

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
 Data File : BF111789.D
 Acq On : 28 Dec 2018 15:30
 Operator : JU/SJ
 Sample : J6579-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Manual Integrations
 APPROVED

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 1/2/2019 2:51:31 PM

Quant Time: Dec 29 01:27:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	160171	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	610060	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	317683	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	593697	20.00	ng	0.02
76) Chrysene-d12	14.07	240	372745	20.00	ng	0.02
87) Perylene-d12	15.56	264	349872	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1231169	131.02	ng	0.04
7) Phenol-d6	6.56	99	1610767	134.69	ng	0.04
23) Nitrobenzene-d5	7.47	82	1054436	100.61	ng	0.01
42) 2,4,6-Tribromophenol	10.74	330	543347	144.75	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	1933808	88.73	ng	0.00
79) Terphenyl-d14	13.02	244	1921234	97.75	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.77	88	148027	33.482	ng	94
3) Pyridine	3.54	79	385683	33.485	ng	98
4) n-Nitrosodimethylamine	3.47	42	257402	45.663	ng	82
6) Aniline	6.57	93	376098	24.672	ng	# 1
8) 2-Chlorophenol	6.70	128	474937	45.627	ng	98
9) Benzaldehyde	6.45	77	261403	31.782	ng	97
10) Phenol	6.57	94	619959	45.946	ng	81
11) bis(2-Chloroethyl)ether	6.64	93	440943	43.610	ng	97
12) 1,3-Dichlorobenzene	6.85	146	518080	42.947	ng	100
13) 1,4-Dichlorobenzene	6.92	146	526444	43.031	ng	100
14) 1,2-Dichlorobenzene	7.08	146	501366	43.925	ng	97
15) Benzyl Alcohol	7.05	79	441393	46.474	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	734230	39.428	ng	57
17) 2-Methylphenol	7.17	107	385556	46.258	ng	# 87
18) Hexachloroethane	7.42	117	190129	46.118	ng	# 90
19) n-Nitroso-di-n-propylamine	7.32	70	351258	44.228	ng	99
20) 3+4-Methylphenols	7.32	107	497822	47.269	ng	# 69
22) Acetophenone	7.31	105	661142	42.778	ng	# 92
24) Nitrobenzene	7.49	77	521820	47.504	ng	99
25) Isophorone	7.72	82	937580	50.391	ng	98
26) 2-Nitrophenol	7.80	139	265536	59.603	ng	95
27) 2,4-Dimethylphenol	7.85	122	439128	50.002	ng	94
28) bis(2-Chloroethoxy)methane	7.93	93	575786	46.504	ng	98
29) 2,4-Dichlorophenol	8.05	162	442853	46.882	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	467893	44.450	ng	98
31) Naphthalene	8.21	128	1402399	47.843	ng	97
32) Benzoic acid	7.95	122	168315m	28.987	ng	
33) 4-Chloroaniline	8.25	127	154420	12.188	ng	98
34) Hexachlorobutadiene	8.33	225	278888	43.472	ng	98
35) Caprolactam	8.62	113	148759m	46.475	ng	
36) 4-Chloro-3-methylphenol	8.75	107	447669	48.212	ng	99
37) 2-Methylnaphthalene	8.90	142	961168	50.400	ng	97
38) 1-Methylnaphthalene	9.00	142	919757	50.216	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	460305	44.095	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.06	237	555090	109.578	nq	99
43) 2,4,6-Trichlorophenol	9.19	196	325656	46.725	nq	99
44) 2,4,5-Trichlorophenol	9.23	196	343597	48.055	nq	94
46) 1,1'-Biphenyl	9.36	154	1197983	44.672	nq	95
47) 2-Chloronaphthalene	9.39	162	941057	44.291	nq	95
48) 2-Nitroaniline	9.48	65	298185	53.946	nq	99
49) Acenaphthylene	9.81	152	1491758	48.087	nq	96
50) Dimethylphthalate	9.66	163	1612266	69.401	nq	99
51) 2,6-Dinitrotoluene	9.72	165	256217	55.311	nq #	86
52) Acenaphthene	9.98	154	995665	52.039	nq	98
53) 3-Nitroaniline	9.89	138	147633	29.883	nq	97
54) 2,4-Dinitrophenol	10.00	184	227041	146.082	nq #	82
55) Dibenzofuran	10.15	168	1324795	45.831	nq	96
56) 4-Nitrophenol	10.07	139	376341	99.819	nq	91
57) 2,4-Dinitrotoluene	10.13	165	341584	61.354	nq #	97
58) Fluorene	10.49	166	1029884	49.444	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.27	232	297755	49.483	nq	91
60) Diethylphthalate	10.36	149	1095308	48.064	nq	100
61) 4-Chlorophenyl-phenylether	10.48	204	522309	45.387	nq	96
62) 4-Nitroaniline	10.51	138	241634	50.323	nq	85
63) Azobenzene	10.65	77	1017846	44.490	nq	94
65) 4,6-Dinitro-2-methylphenol	10.54	198	154390	60.841	nq	85
66) n-Nitrosodiphenylamine	10.60	169	913483	45.836	nq	99
67) 4-Bromophenyl-phenylether	10.97	248	334713	45.454	nq #	90
68) Hexachlorobenzene	11.05	284	364989	44.454	nq	98
69) Atrazine	11.13	200	315057	45.505	nq	96
70) Pentachlorophenol	11.25	266	363419	71.598	nq	98
71) Phenanthrene	11.46	178	1540726	48.934	nq	95
72) Anthracene	11.51	178	1517170	48.006	nq	96
73) Carbazole	11.66	167	1293564	42.159	nq	96
74) Di-n-butylphthalate	11.99	149	1603034	46.597	nq	97
75) Fluoranthene	12.65	202	1461603	45.841	nq	96
77) Benzidine	12.76	184	241303	17.204	nq	96
78) Pyrene	12.87	202	1414741	53.747	nq	96
80) Butylbenzylphthalate	13.48	149	560999	52.285	nq	93
81) Benzo(a)anthracene	14.06	228	1080715	50.804	nq	98
82) 3,3'-Dichlorobenzidine	14.02	252	193165	22.982	nq #	98
83) Chrysene	14.10	228	1009130	48.266	nq	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	750454	55.527	nq #	98
85) Di-n-octyl phthalate	14.66	149	1153148	55.070	nq	95
86) Indeno(1,2,3-cd)pyrene	17.07	276	1068791	60.134	nq #	87
88) Benzo(b)fluoranthene	15.12	252	1004617	49.130	nq #	96
89) Benzo(k)fluoranthene	15.16	252	881267	45.270	nq #	96
90) Benzo(a)pyrene	15.50	252	927806	49.944	nq #	94
91) Dibenzo(a,h)anthracene	17.09	278	871587	53.578	nq #	92
92) Benzo(g,h,i)perylene	17.53	276	871833	54.885	nq #	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

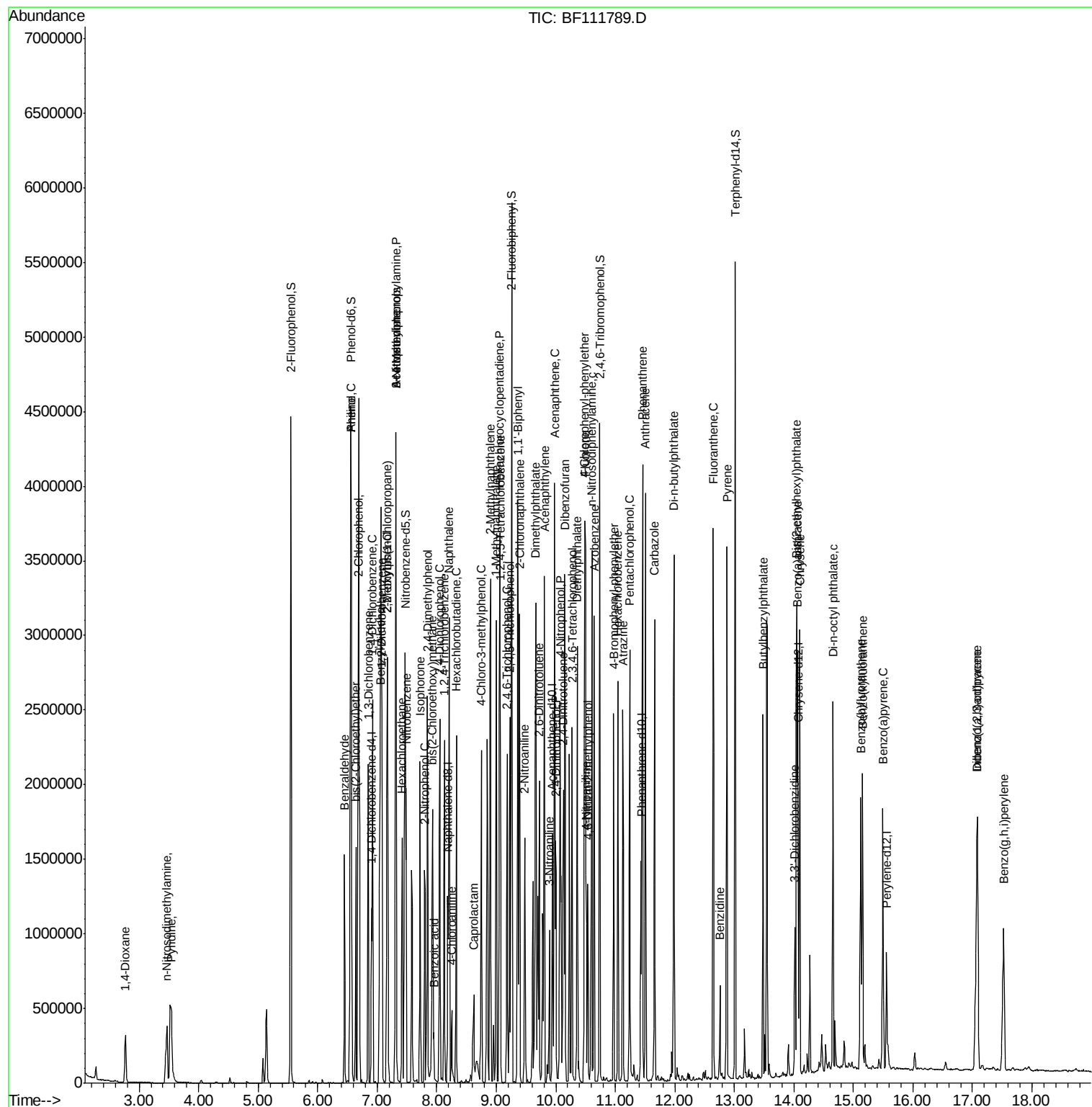
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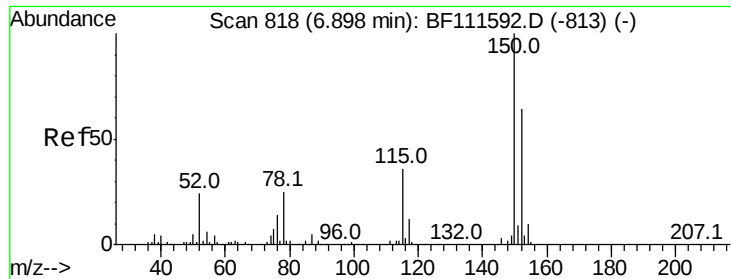
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#1

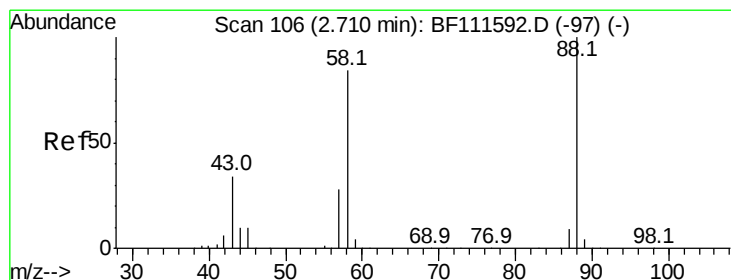
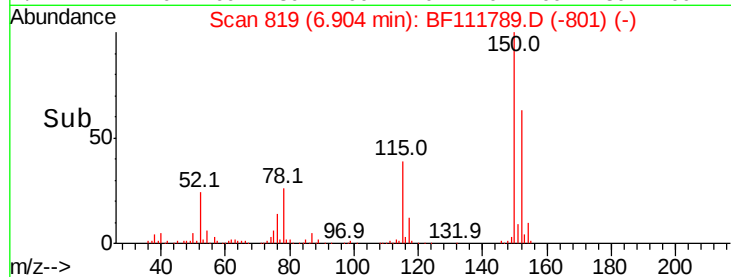
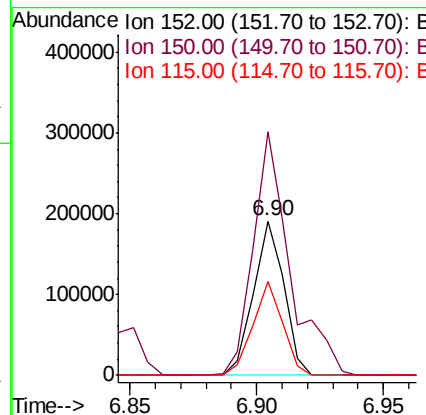
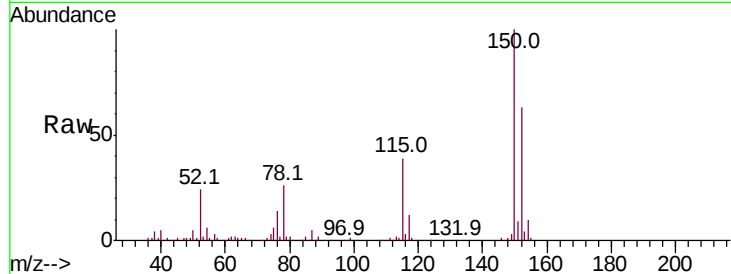
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.6	189.8
115	61.3	50.7	76.1

Manual Integrations
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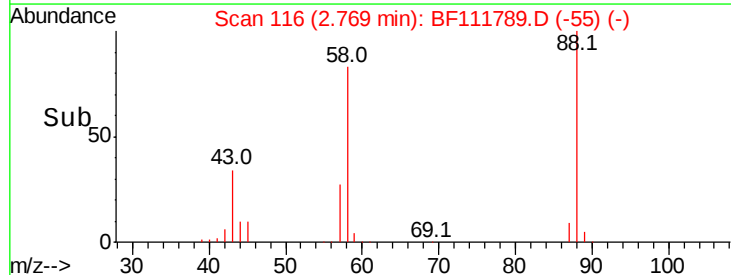
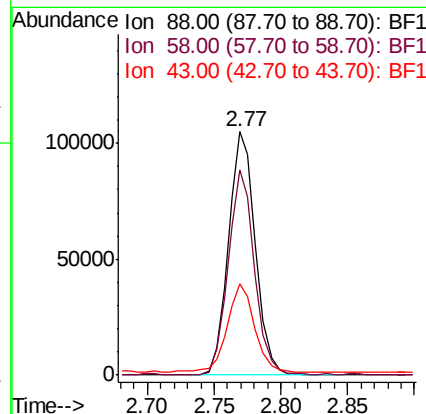
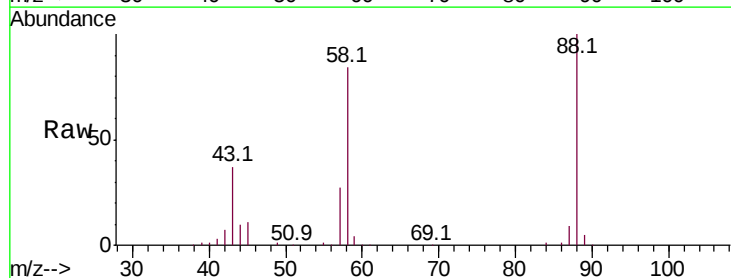
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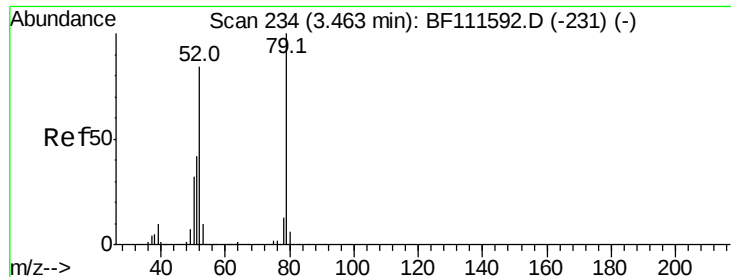


#2

1,4-Dioxane
Concen: 33.482 ng
RT: 2.77 min Scan# 116
Delta R.T. 0.06 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.7	68.9	103.3
43	36.7	25.8	38.6





#3

Pvridine

Concen: 33.485 ng

RT: 3.54 min Scan# 247

Delta R.T. 0.08 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

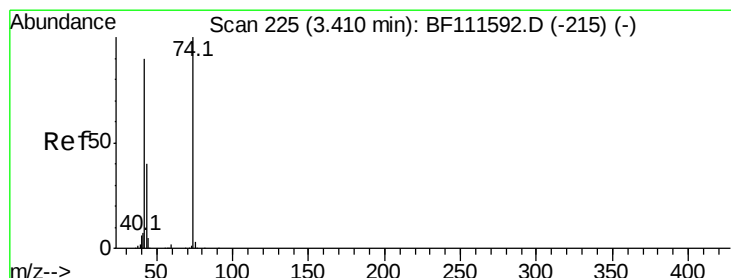
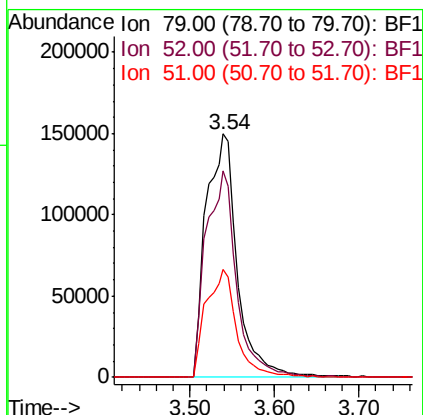
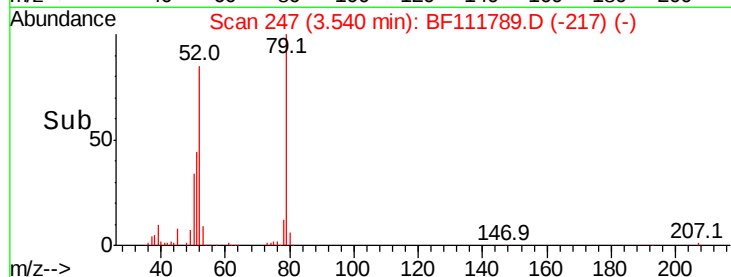
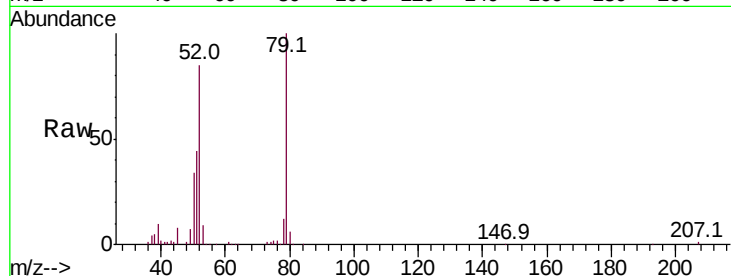
ClientSampleId :

TN-122618-CMSD

Tot Ion:	79	Resp:	385683
Ion Ratio	Lower	Upper	
79	100		
52	85.0	68.3	102.5
51	44.4	32.6	49.0

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#4

n-Nitrosodimethylamine

Concen: 45.663 ng

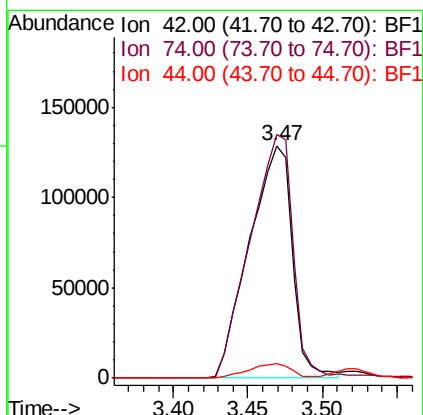
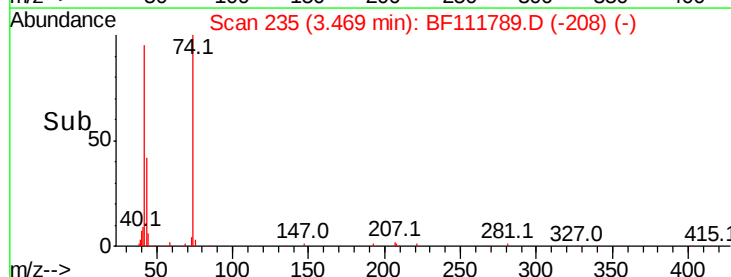
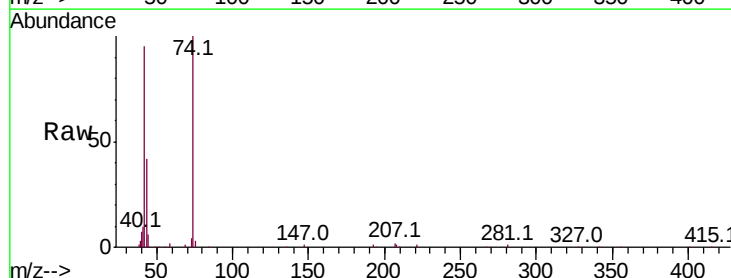
RT: 3.47 min Scan# 235

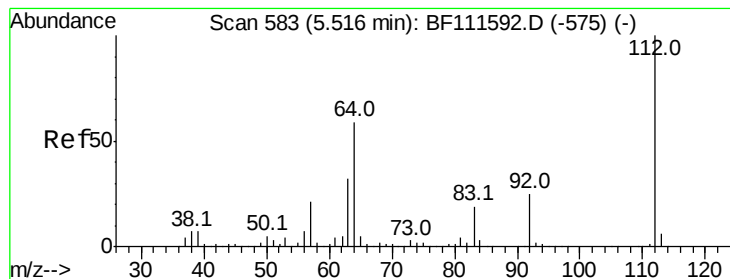
Delta R.T. 0.06 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	42	Resp:	257402
Ion Ratio	Lower	Upper	
42	100		
74	104.8	101.5	152.3
44	6.1	6.0	9.0





#5

2-Fluorophenol

Concen: 131.021 ng

RT: 5.55 min Scan# 589

Delta R.T. 0.04 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

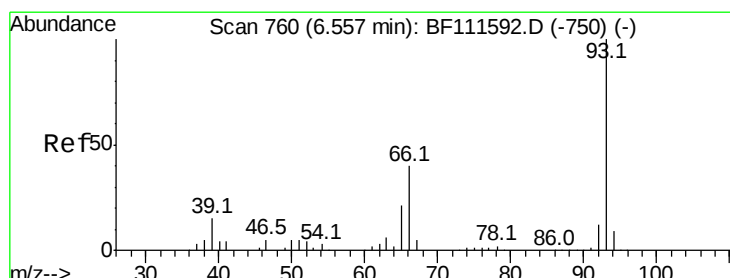
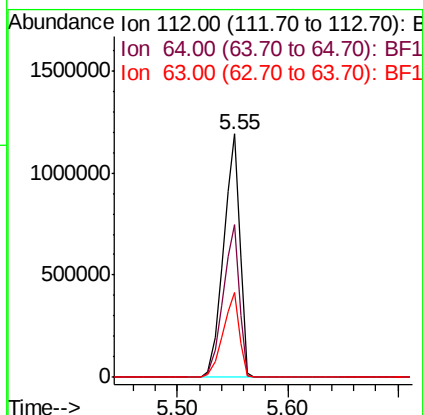
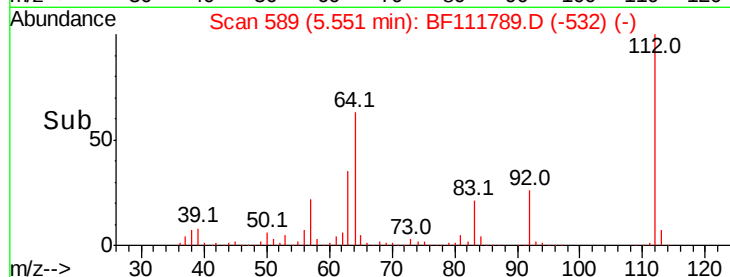
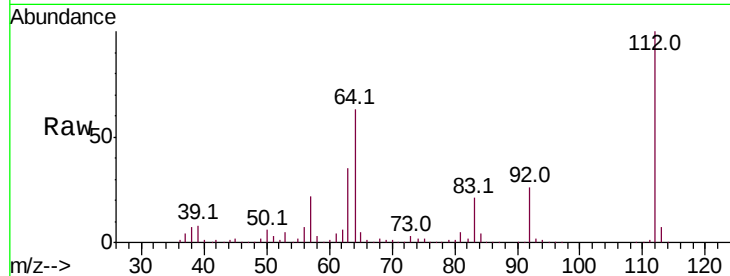
ClientSampleId :

TN-122618-CMSD

Tot Ion:	112	Resp:	1231169
Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.8	77.6
63	34.8	26.8	40.2

Manual Integrations
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#6

Aniline

Concen: 24.672 ng

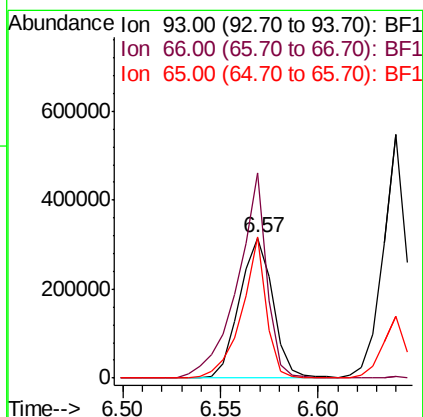
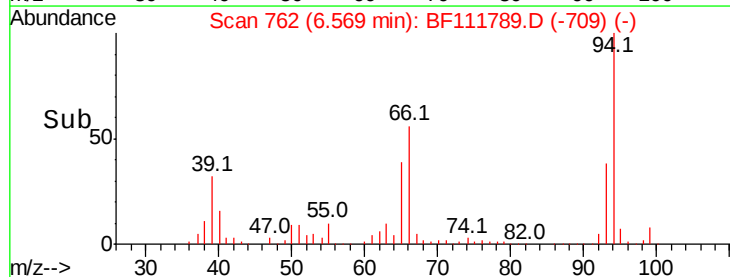
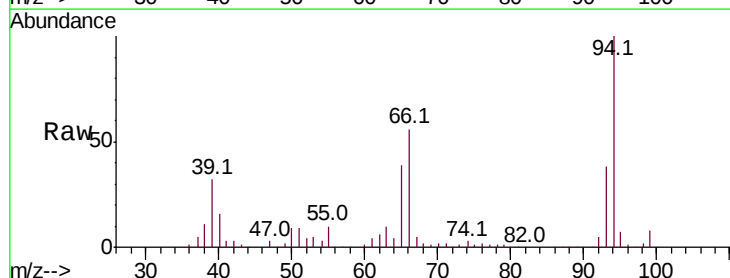
RT: 6.57 min Scan# 762

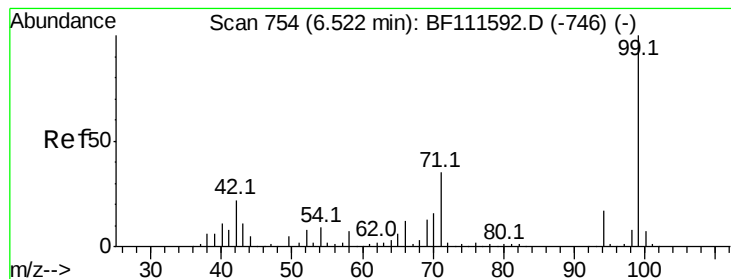
Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	93	Resp:	376098
Ion	Ratio	Lower	Upper
93	100		
66	146.9	33.2	49.8#
65	100.6	17.0	25.4#





#7

Phenol-d6

Concen: 134.693 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.04 min

Lab File: BF111789.D

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ClientSampleId :

TN-122618-CMSD

Tot Ion: 99 Resp: 1610767

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

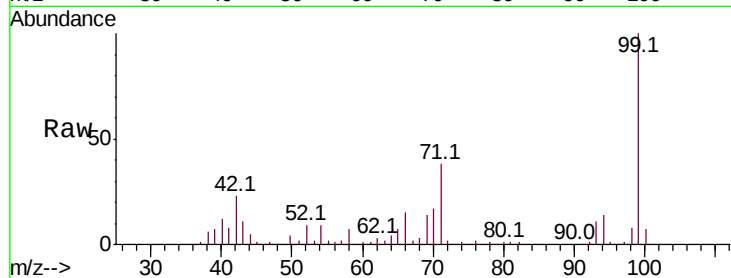
71 37.9 26.1 39.1

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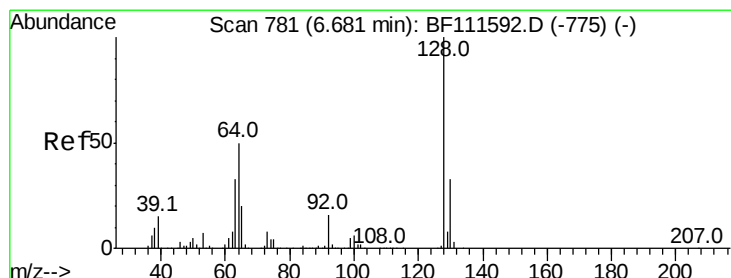
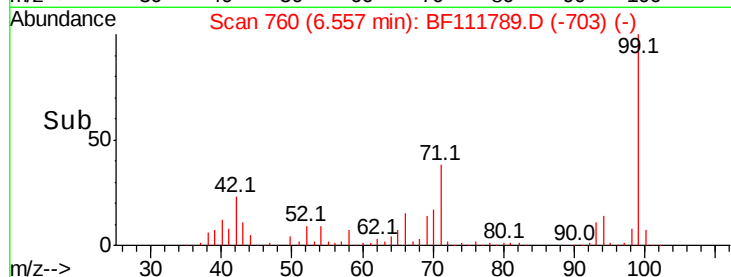
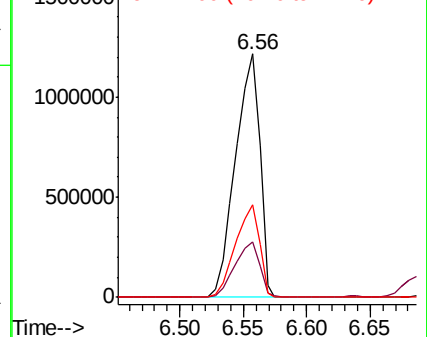
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.627 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

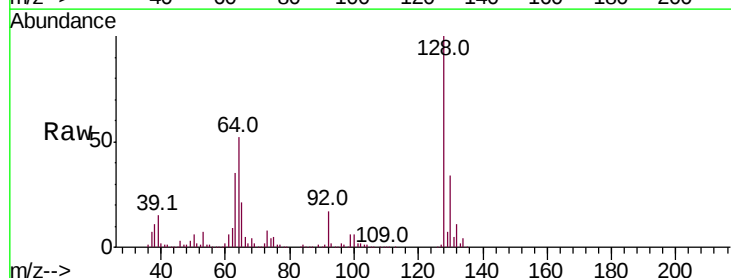
Tgt Ion:128 Resp: 474937

Ion Ratio Lower Upper

128 100

130 33.8 12.7 52.7

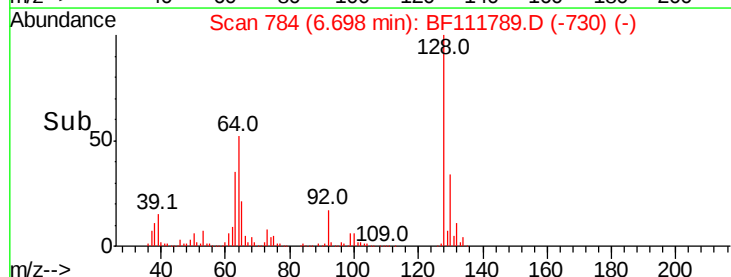
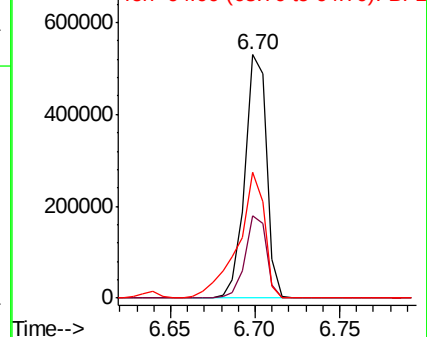
64 51.9 30.0 70.0

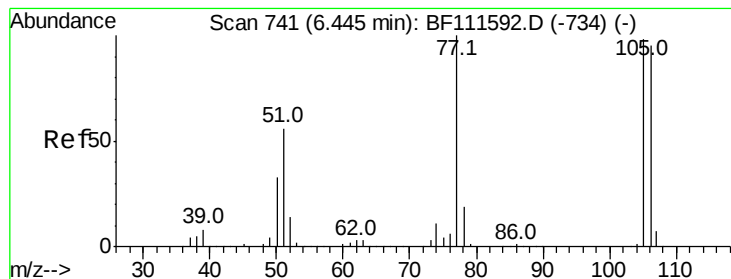


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 31.782 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

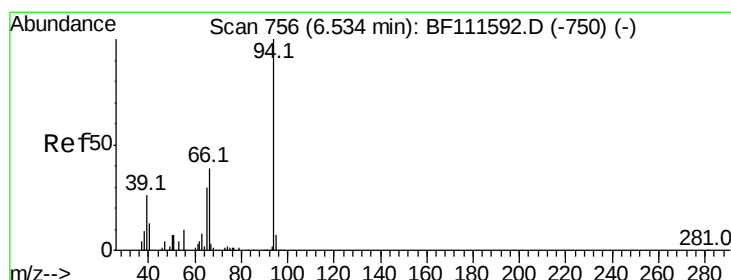
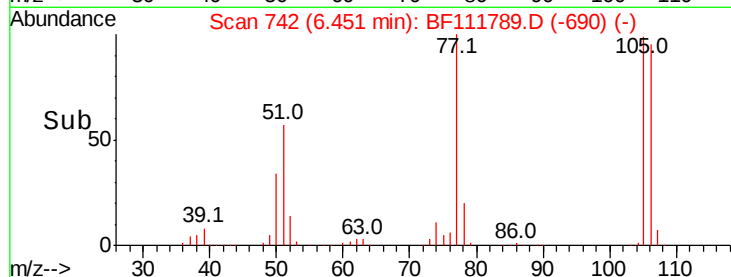
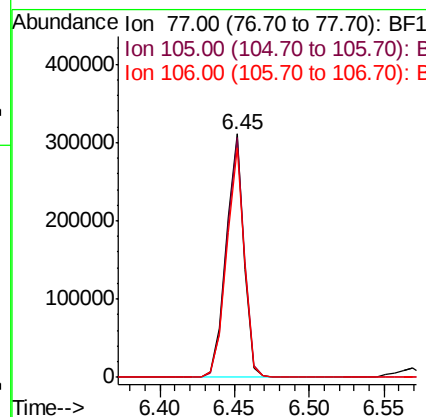
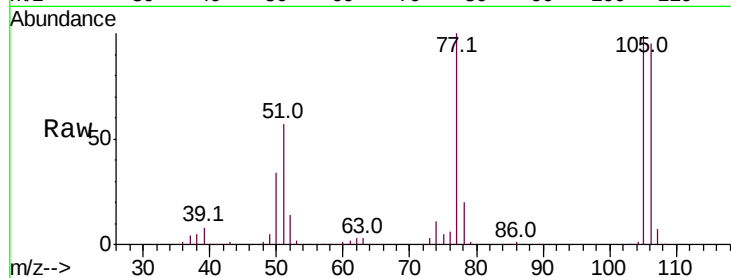
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Tot Ion:	77	Resp:	261403
Ion Ratio	Lower	Upper	
77	100		
105	98.6	81.4	121.4
106	94.5	77.9	117.9

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#10

Phenol

Concen: 45.946 ng

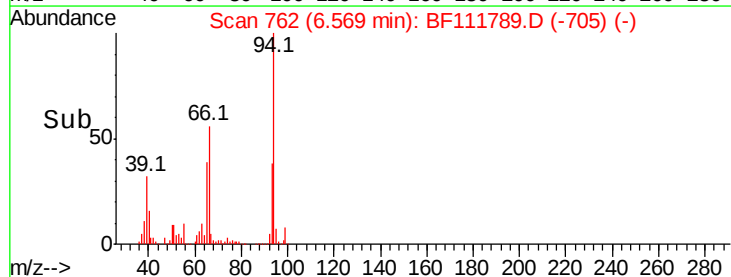
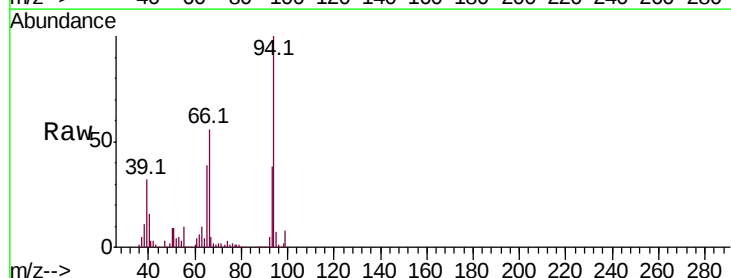
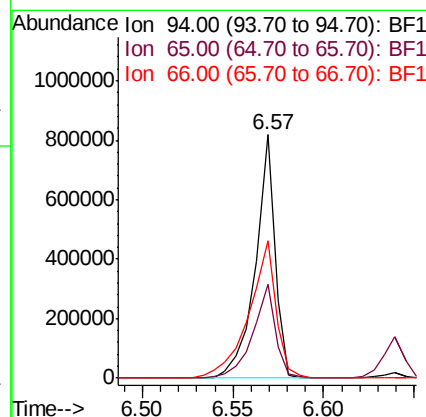
RT: 6.57 min Scan# 762

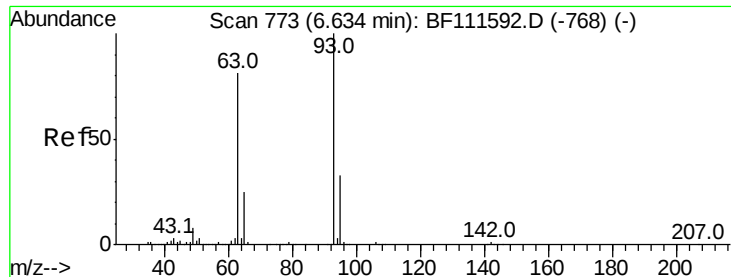
Delta R.T. 0.04 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	94	Resp:	619959
Ion Ratio	Lower	Upper	
94	100		
65	38.7	11.7	51.7
66	56.5	21.0	61.0





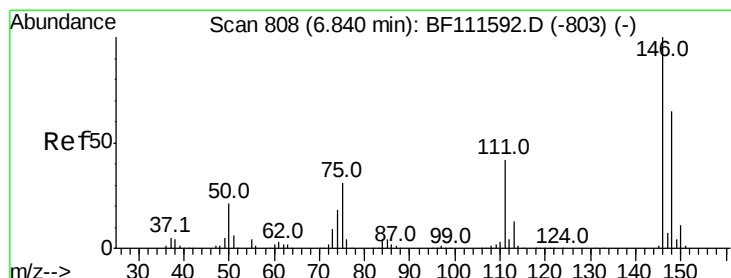
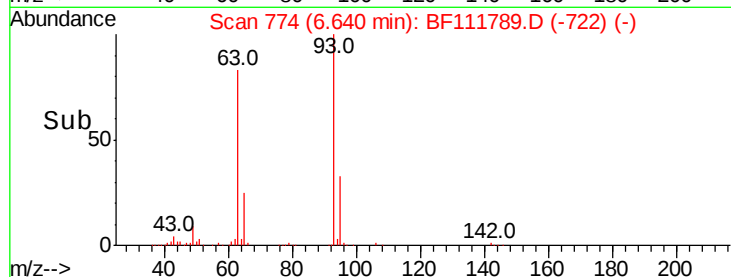
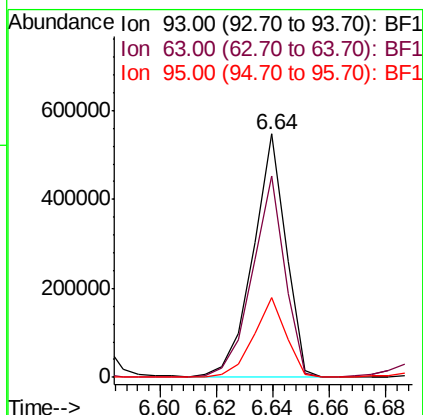
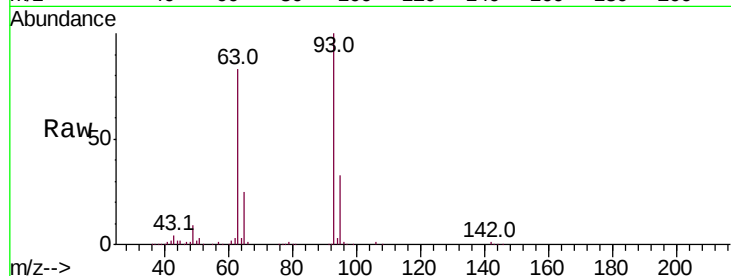
#11
bis(2-Chloroethyl)ether
Concen: 43.610 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.8	60.0	100.0
95	32.8	13.4	53.4

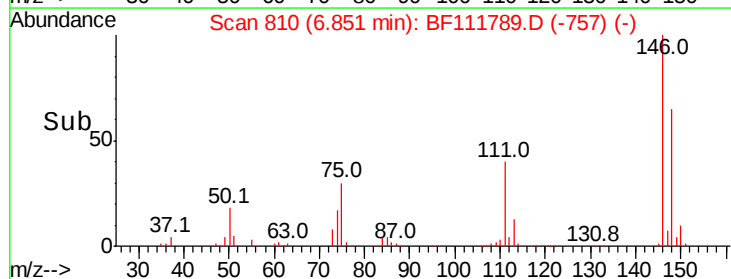
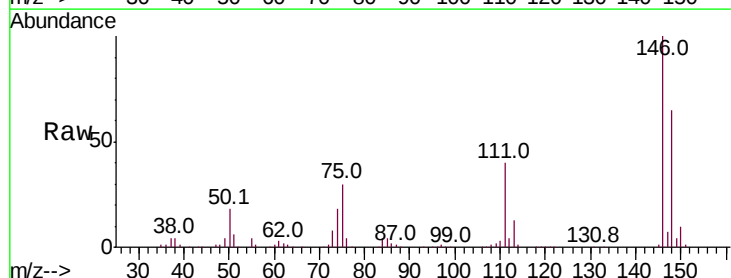
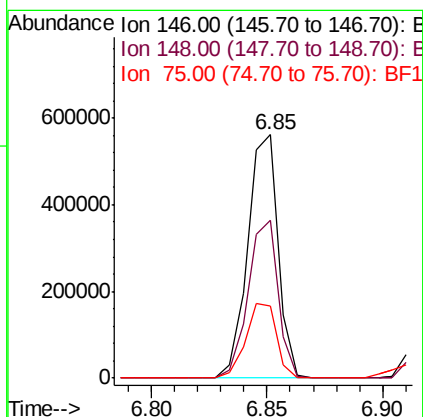
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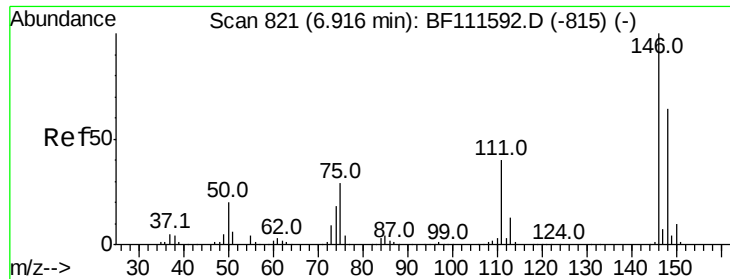
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#12
1,3-Dichlorobenzene
Concen: 42.947 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.1	78.1
75	29.7	23.9	35.9





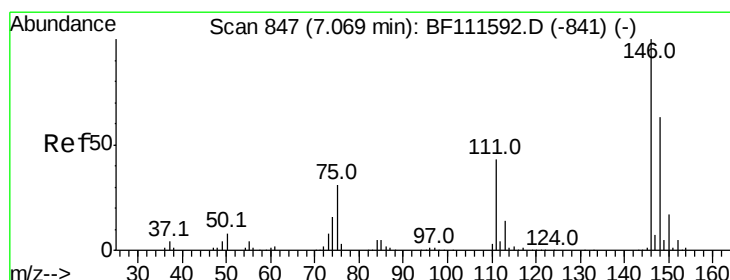
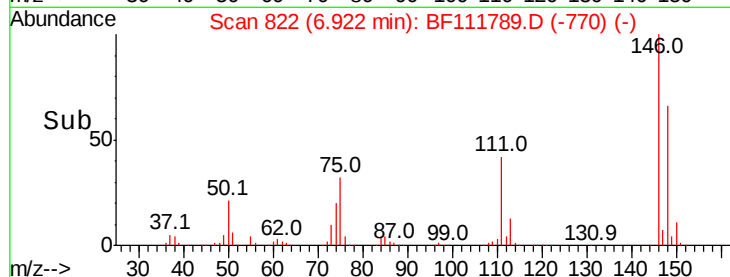
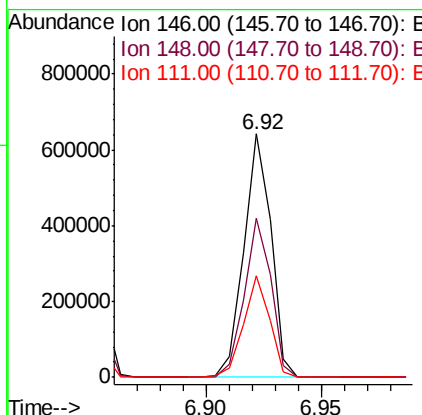
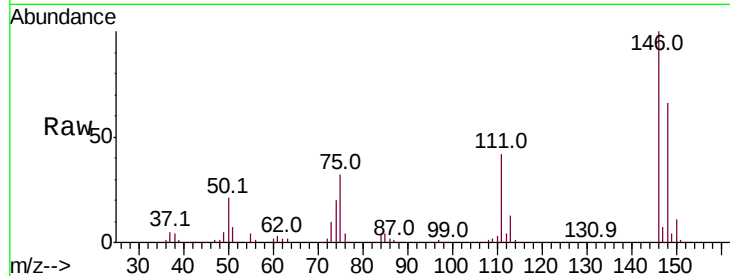
#13
 1,4-Dichlorobenzene
 Concen: 43.031 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.8	79.2
111	41.7	33.4	50.0

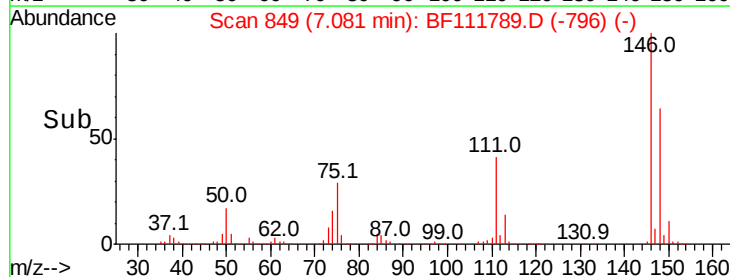
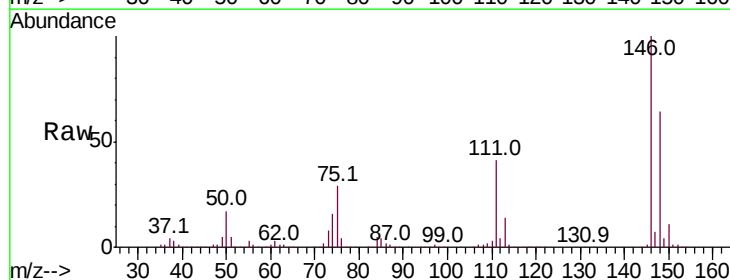
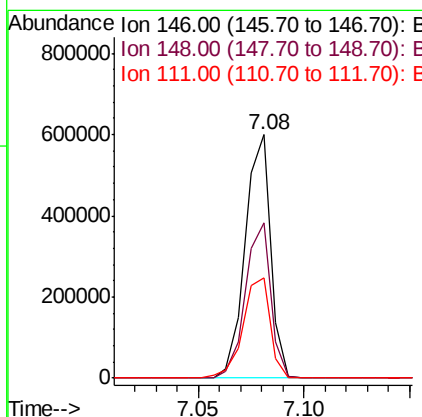
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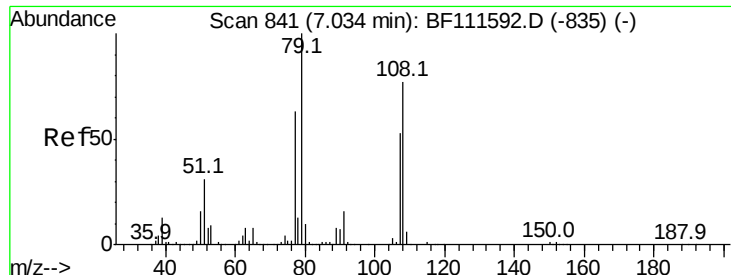
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#14
 1,2-Dichlorobenzene
 Concen: 43.925 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
111	41.2	36.2	54.4





#15

Benzyl Alcohol

Concen: 46.474 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

ClientSampleId :

TN-122618-CMSD

Tot Ion: 79 Resp: 441393

Ion Ratio Lower Upper

79 100

108 74.1 69.4 104.2

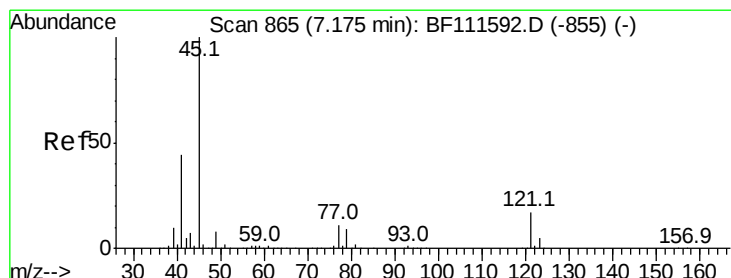
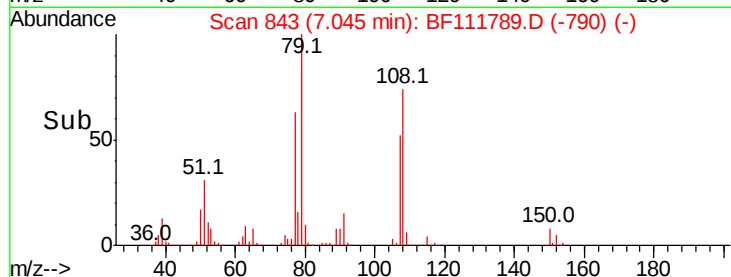
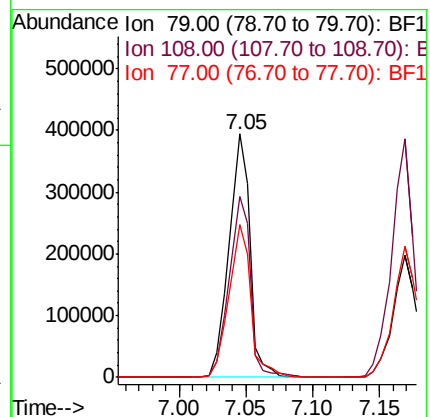
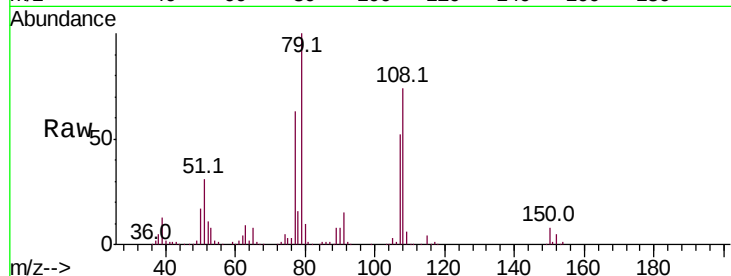
77 62.7 49.7 74.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.428 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

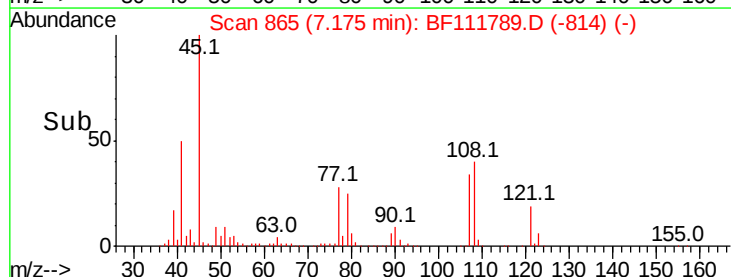
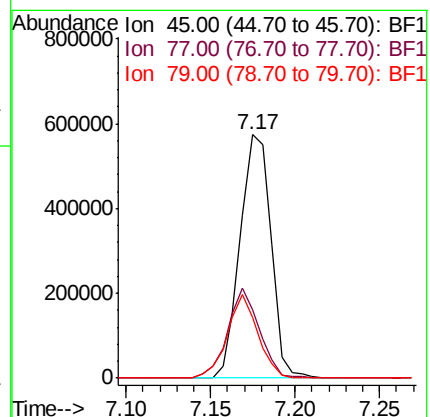
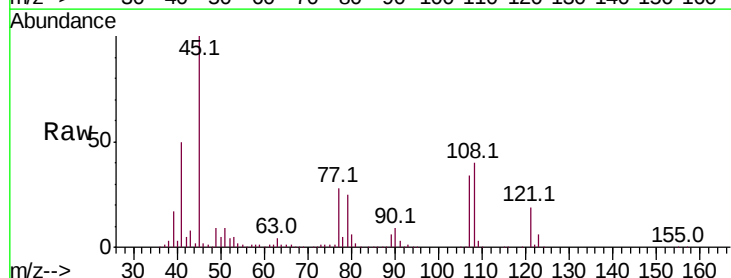
Tgt Ion: 45 Resp: 734230

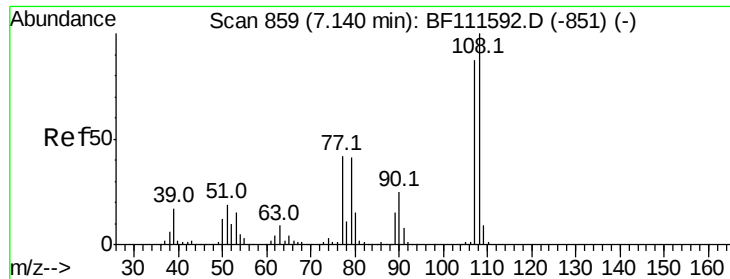
Ion Ratio Lower Upper

45 100

77 27.8 0.0 31.5

79 25.0 0.0 28.9





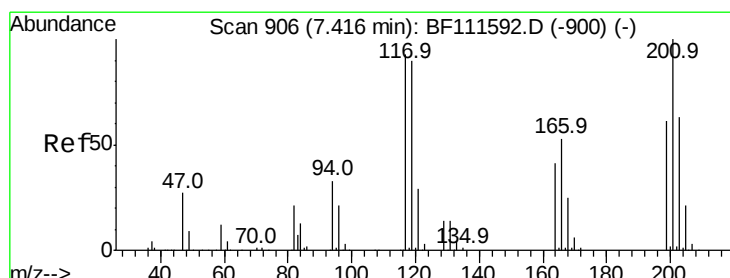
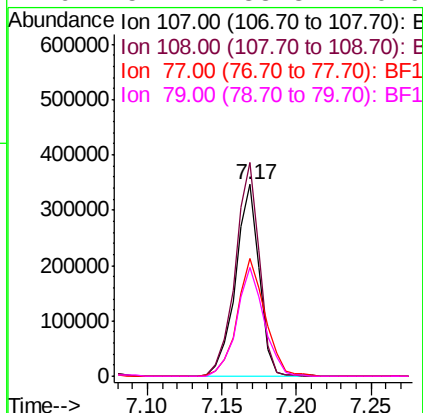
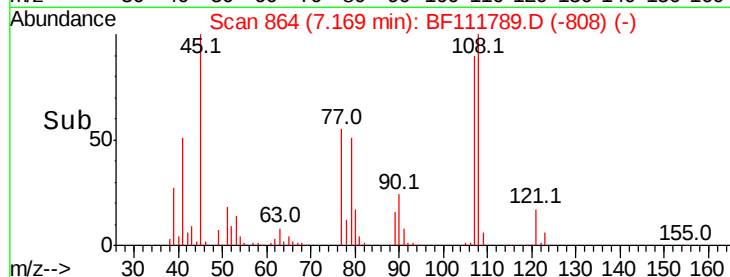
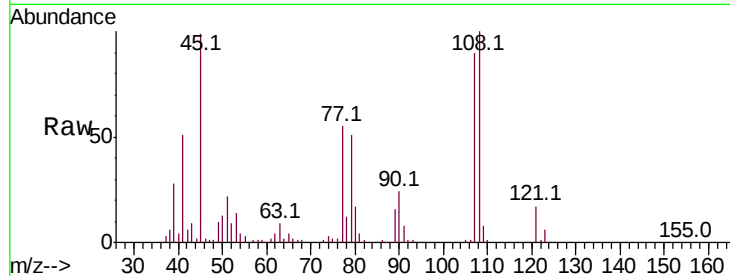
#17
2-Methylphenol
Concen: 46.258 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.03 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp Lower	Upper
107	100		
108	111.5	91.0	136.4
77	61.5	33.5	50.3#
79	57.1	33.3	49.9#

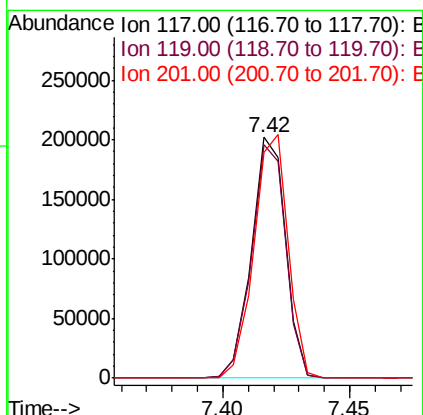
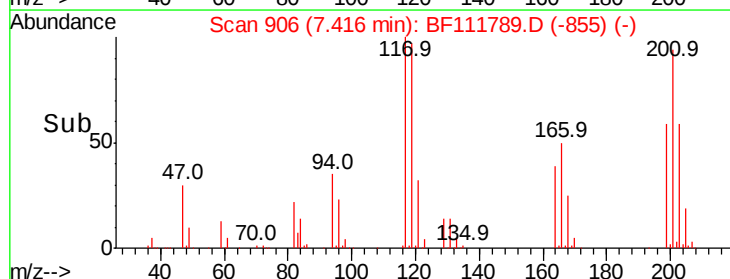
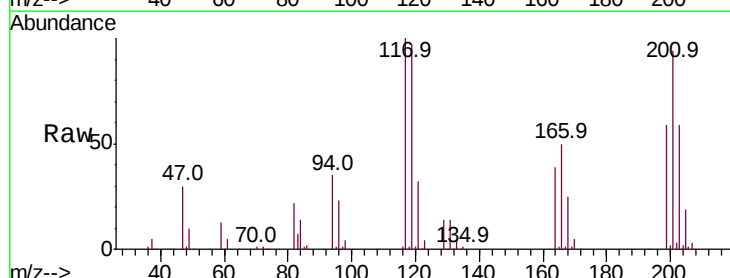
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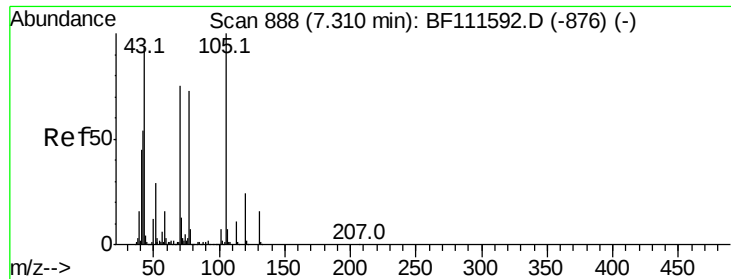
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#18
Hexachloroethane
Concen: 46.118 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
119	97.0	75.4	113.0
201	93.7	62.4	93.6#





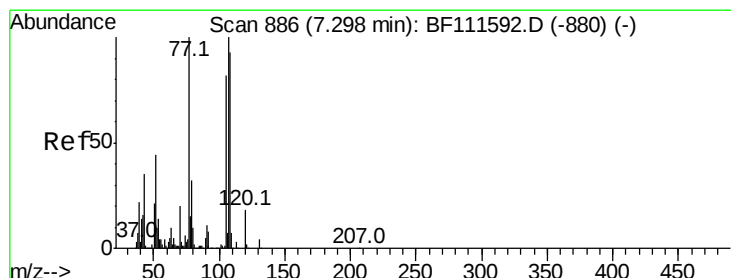
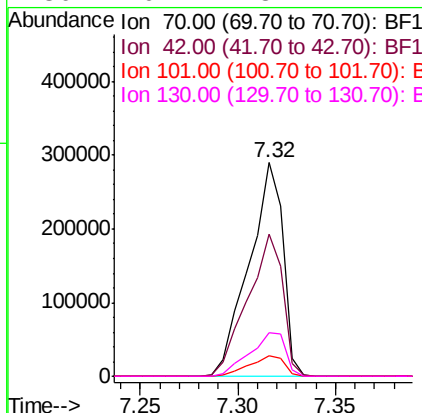
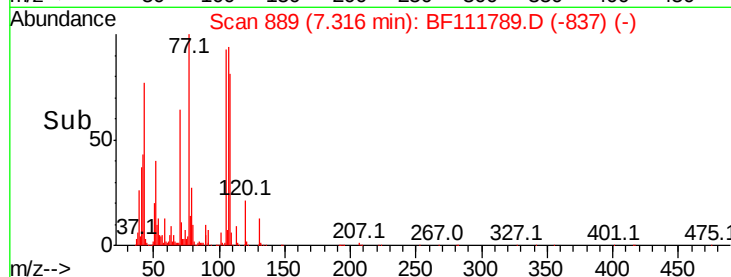
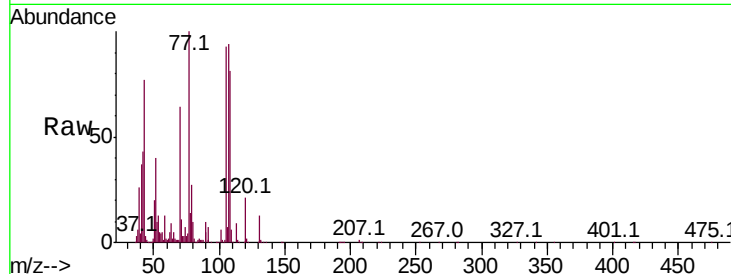
#19
n-Nitroso-di-n-propylamine
Concen: 44.228 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.5	53.2	79.8
101	9.6	8.2	12.4
130	20.1	18.1	27.1

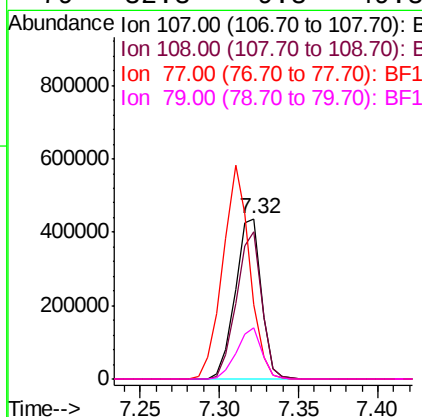
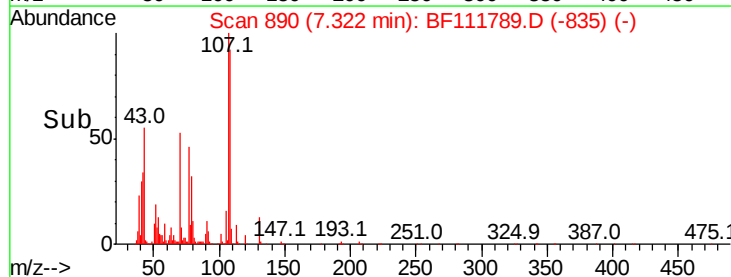
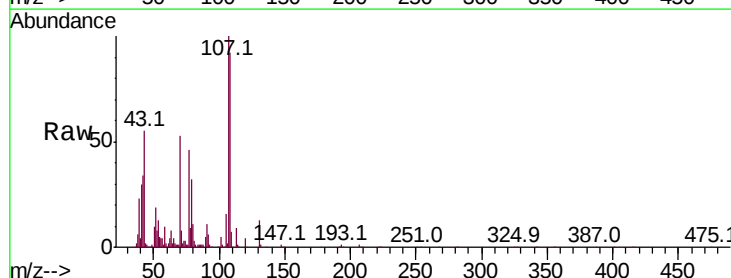
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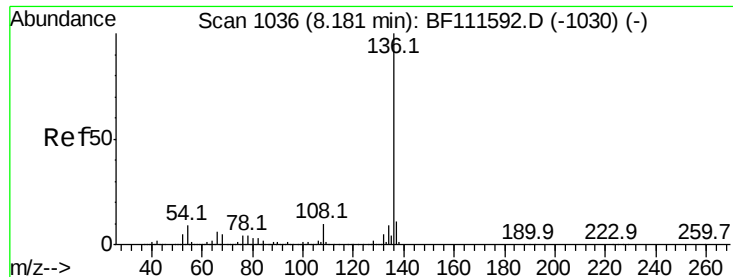
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#20
3+4-Methylphenols
Concen: 47.269 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.1	112.1
77	46.3	94.1	134.1#
79	32.3	9.8	49.8





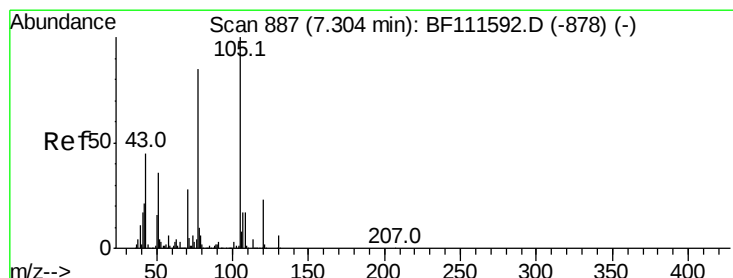
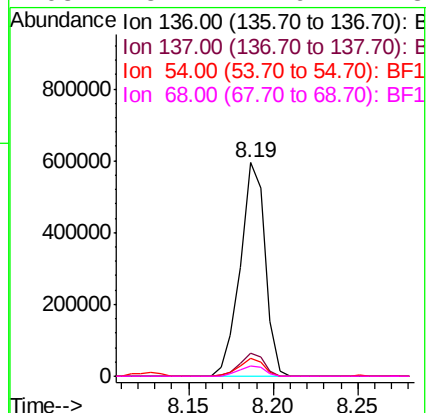
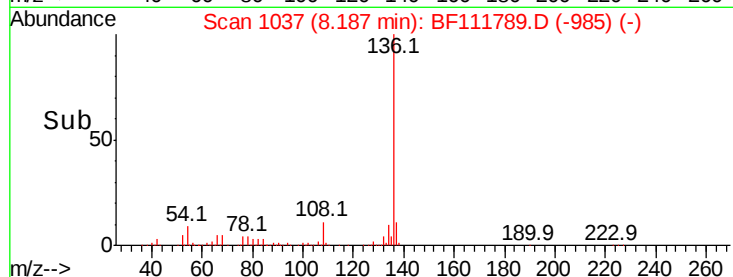
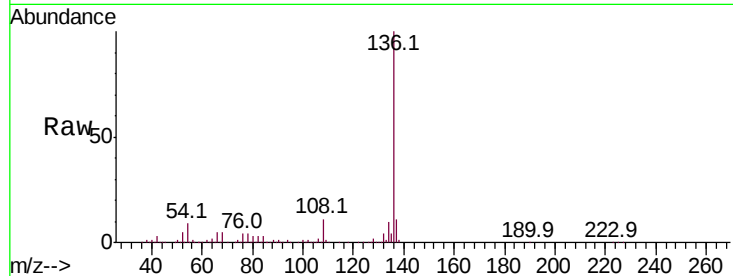
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	8.7	7.7	11.5	
68	5.1	4.9	7.3	

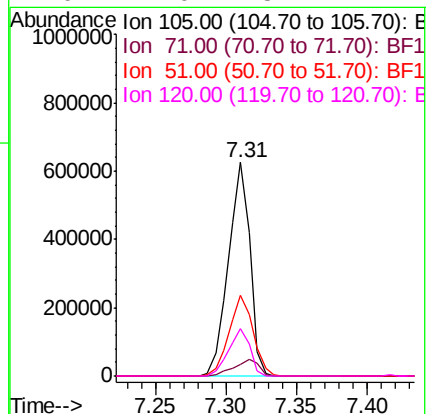
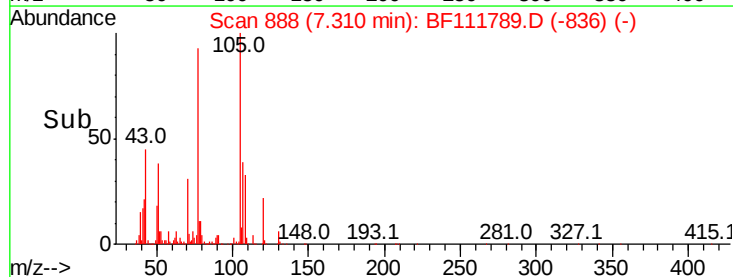
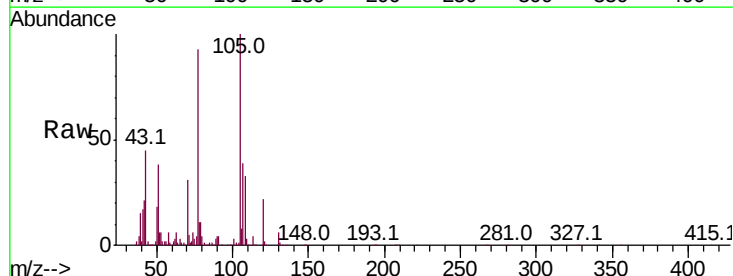
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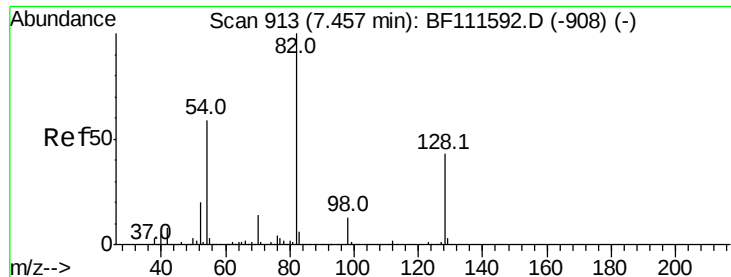
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#22
Acetophenone
Concen: 42.778 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.2	3.1	4.7#	
51	37.7	36.6	54.8	
120	22.0	18.2	27.4	





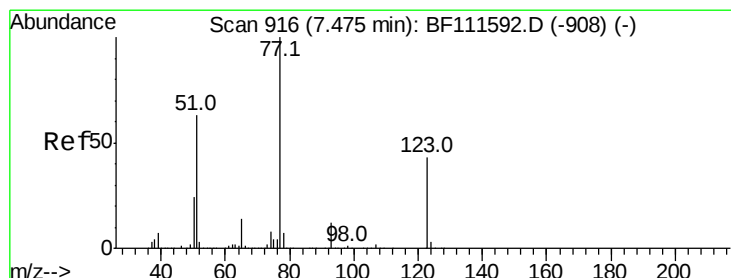
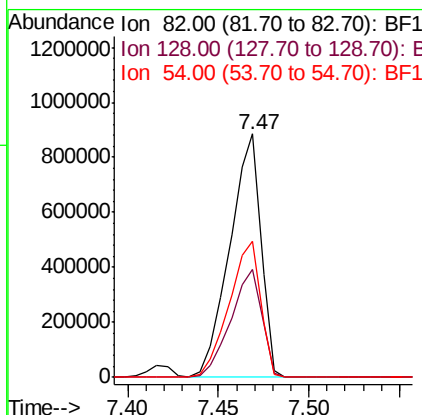
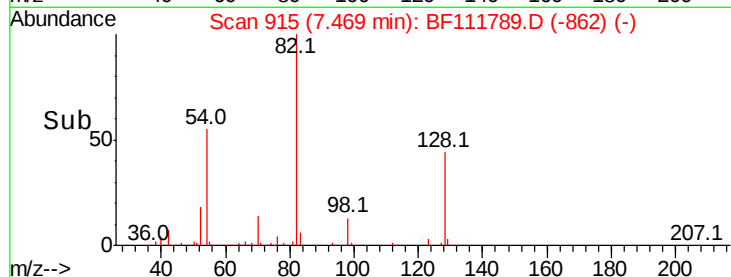
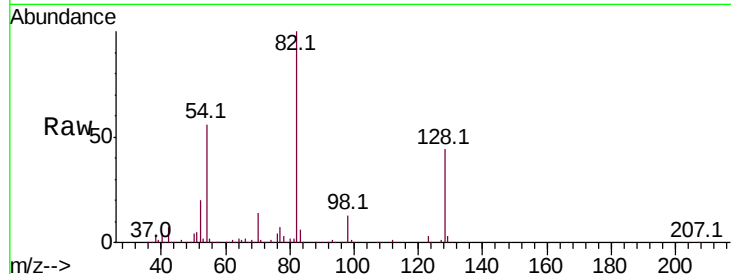
#23
Nitrobenzene-d5
Concen: 100.607 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion: 82 Resp: 1054436
Ion Ratio Lower Upper
82 100
128 44.4 37.4 56.2
54 56.0 47.6 71.4

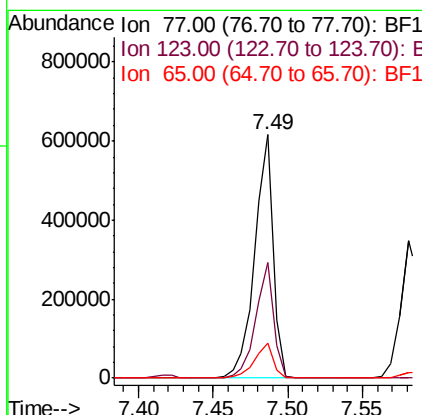
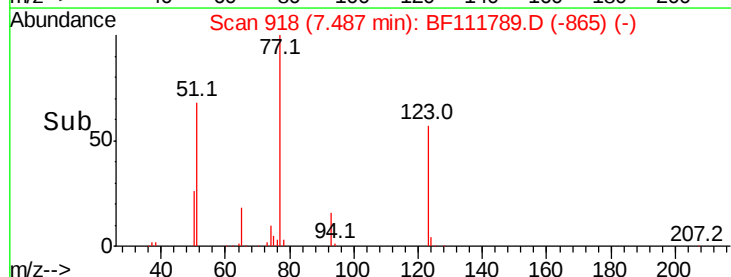
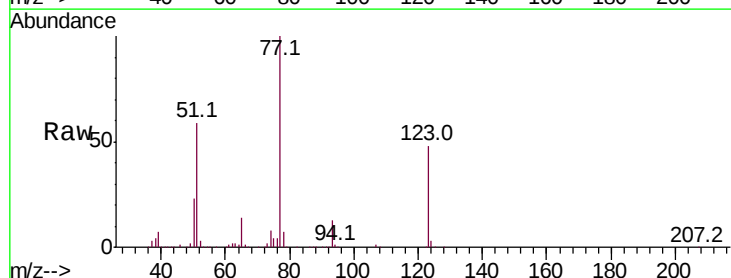
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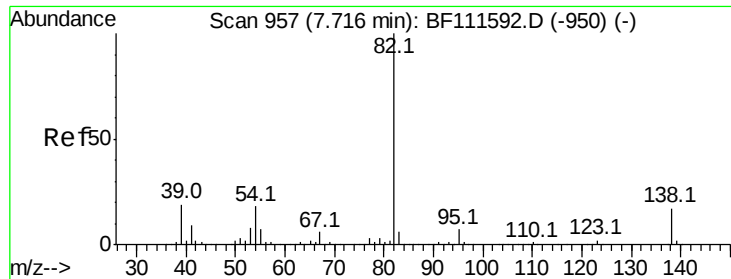
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#24
Nitrobenzene
Concen: 47.504 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion: 77 Resp: 521820
Ion Ratio Lower Upper
77 100
123 47.7 37.2 55.8
65 14.5 11.5 17.3





#25

Isophorone

Concen: 50.391 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

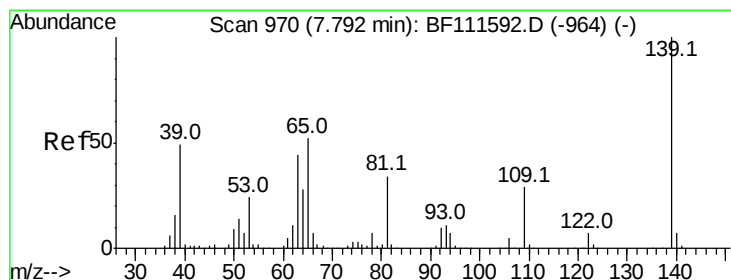
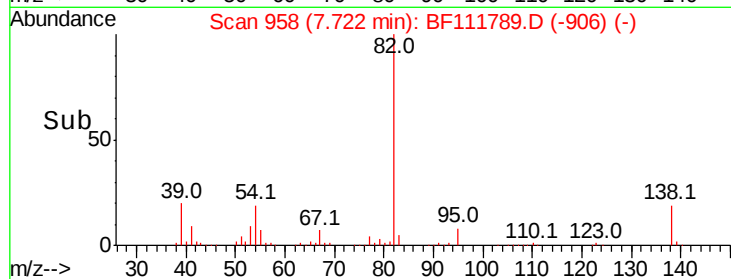
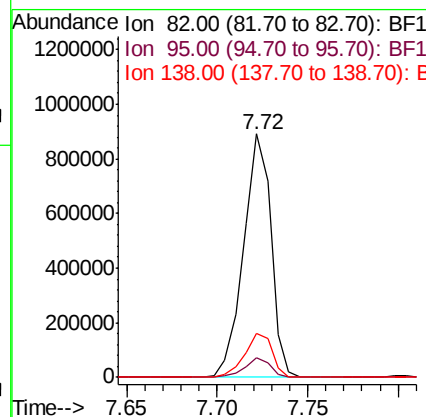
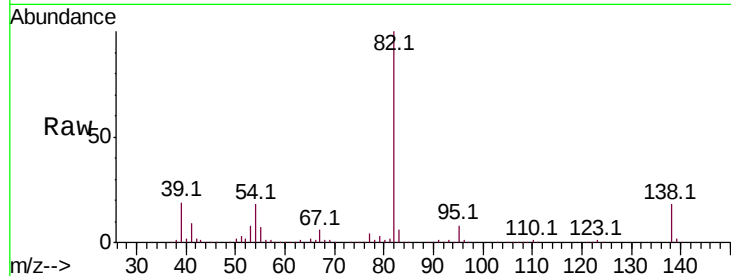
ClientSampleId :

TN-122618-CMSD

Tot Ion:	82	Resp:	937580
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.4	8.2
138	18.1	15.1	22.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 59.603 ng

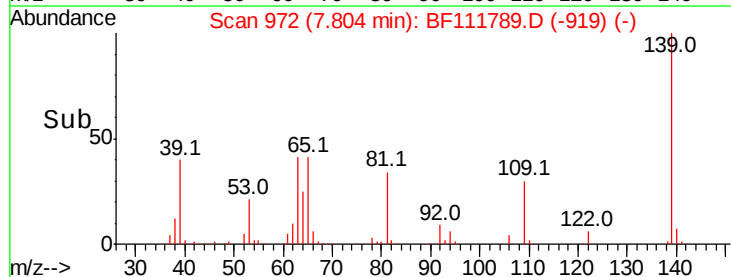
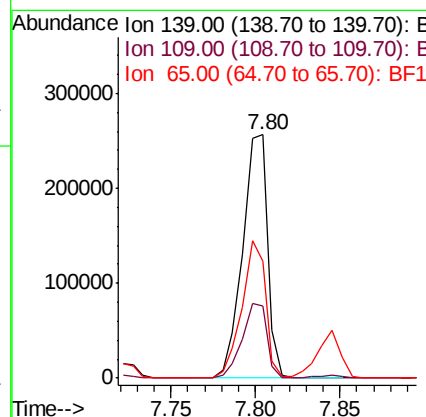
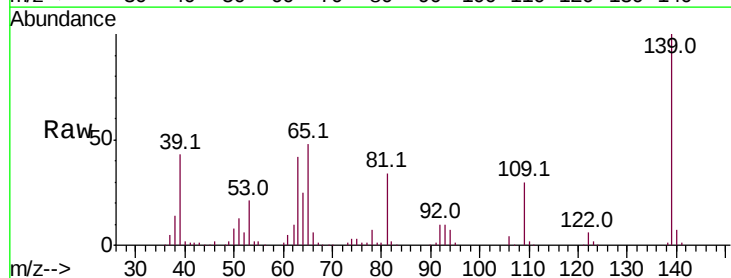
RT: 7.80 min Scan# 972

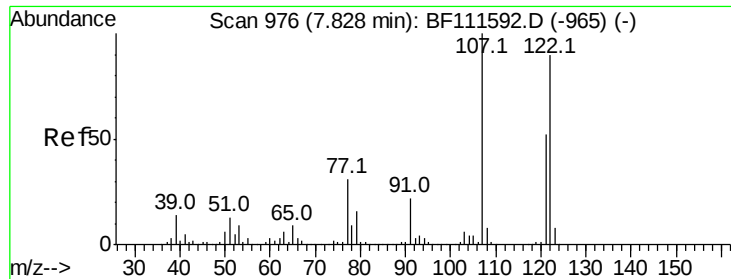
Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	139	Resp:	265536
Ion Ratio	Lower	Upper	
139	100		
109	29.6	20.2	30.4
65	48.1	40.7	61.1





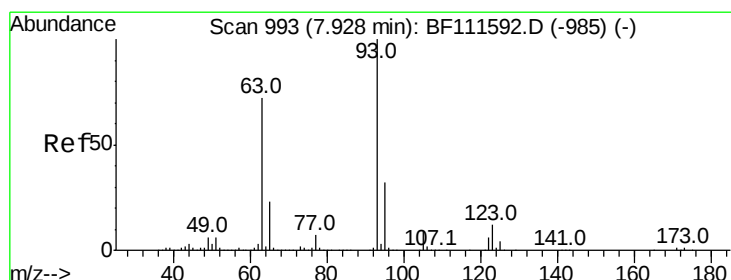
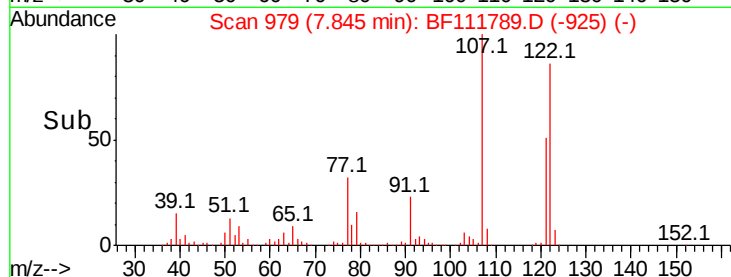
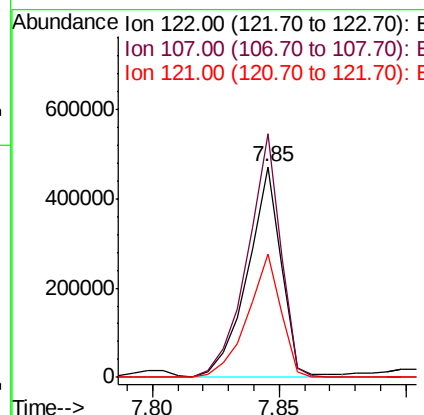
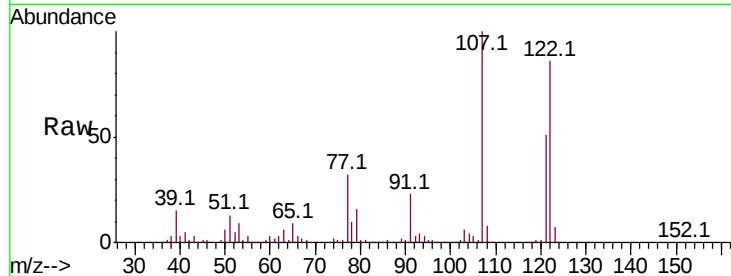
#27
2,4-Dimethylphenol
Concen: 50.002 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.7	85.5	128.3
121	58.8	46.6	70.0

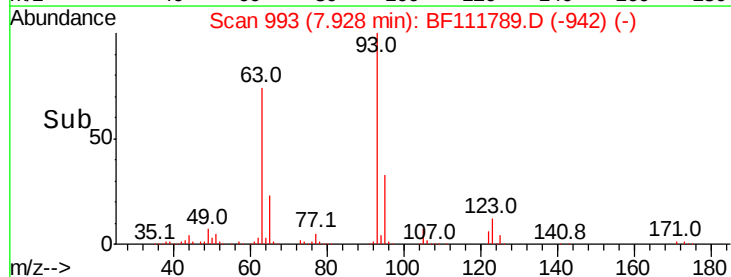
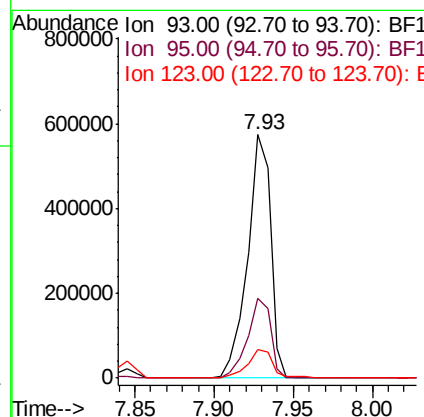
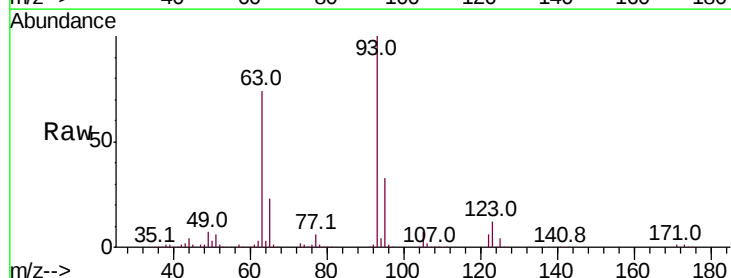
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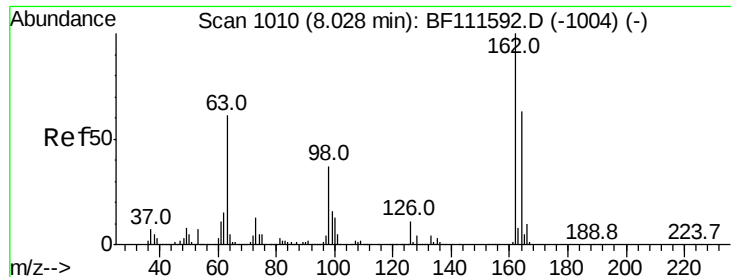
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#28
bis(2-Chloroethoxy)methane
Concen: 46.504 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	27.1	40.7
123	11.6	9.9	14.9





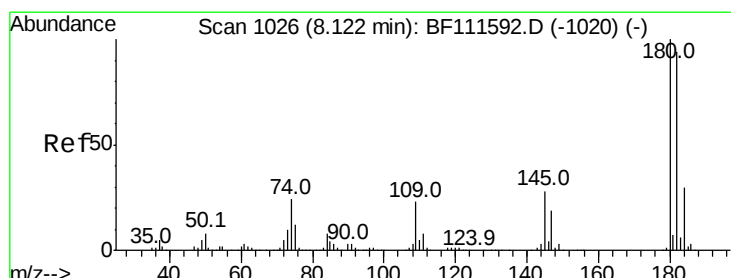
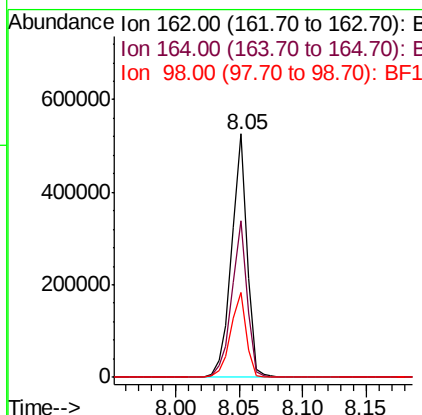
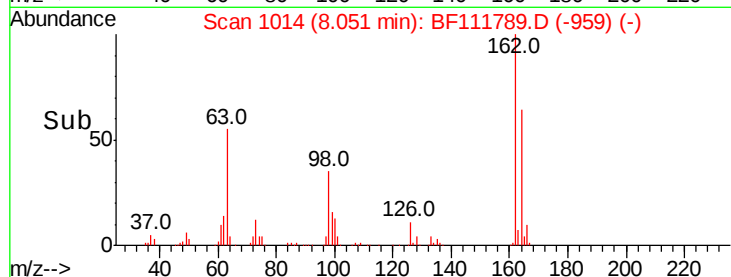
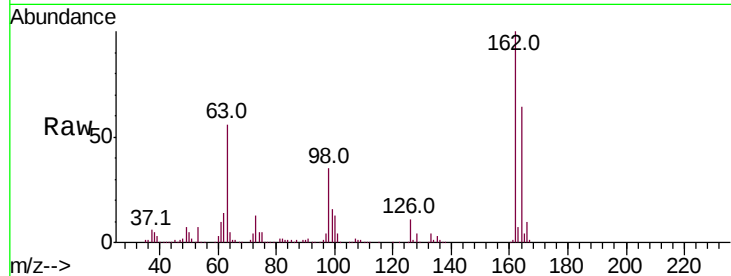
#29
2,4-Dichlorophenol
Concen: 46.882 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.3	44.4	84.4
98	35.0	20.3	60.3

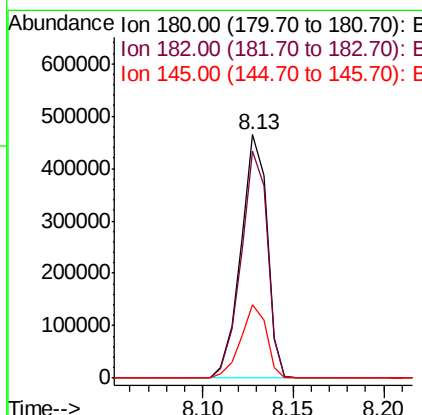
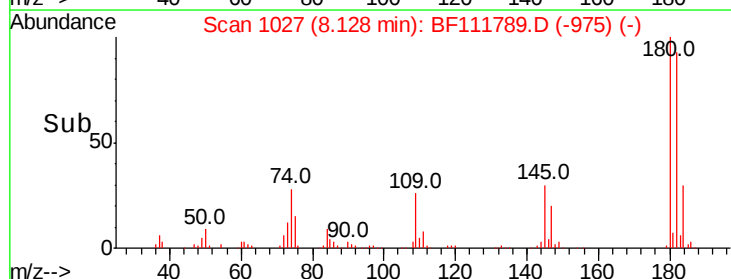
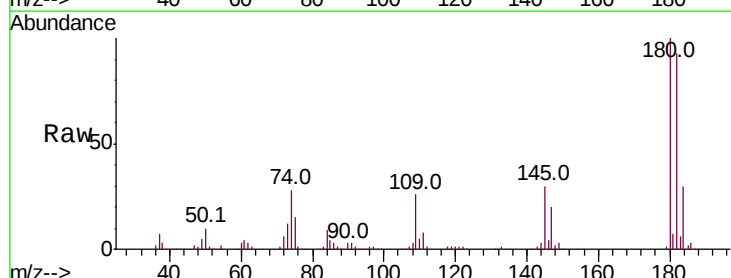
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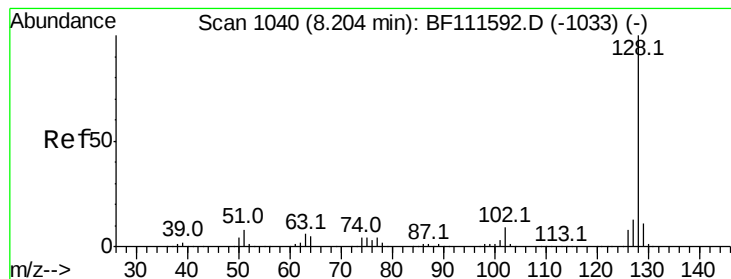
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#30
1,2,4-Trichlorobenzene
Concen: 44.450 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.3	75.6	113.4
145	30.1	26.7	40.1





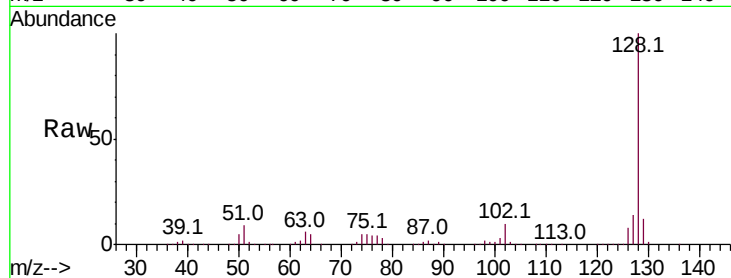
#31
Naphthalene
Concen: 47.843 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

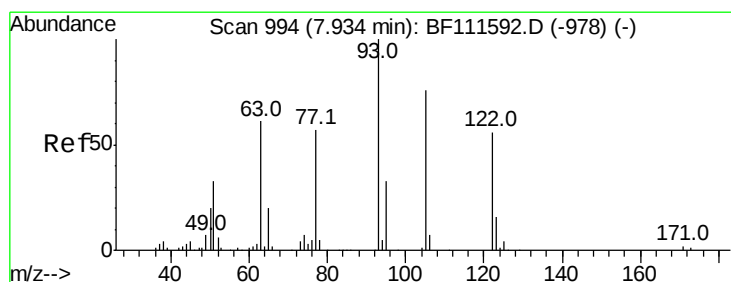
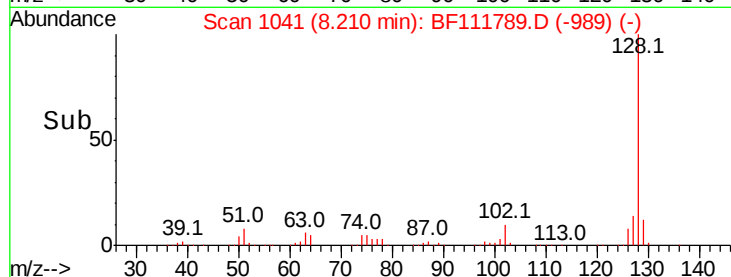
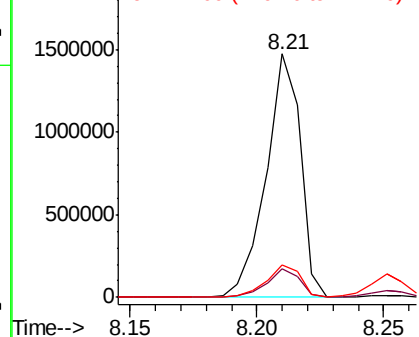
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.8	14.8
127	13.6	12.0	18.0

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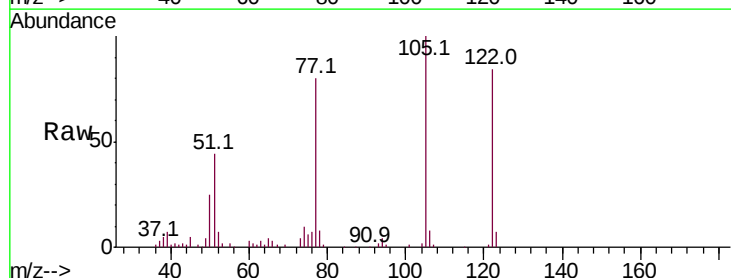


Abundance Ion 128.00 (127.70 to 128.70): E
2000000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

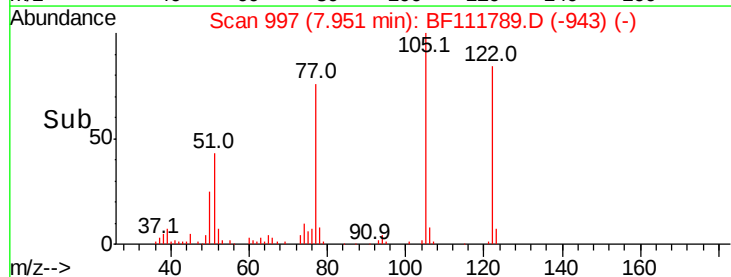
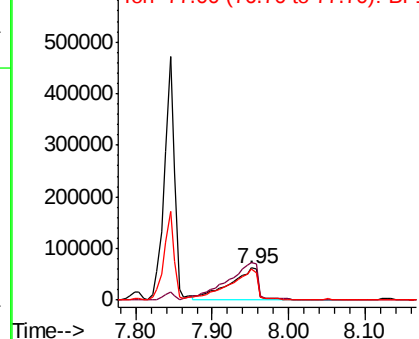


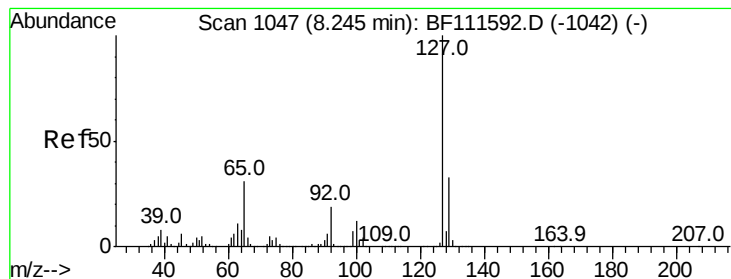
#32
Benzoic acid
Concen: 28.987 ng m
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.0	97.0	137.0
77	95.3	65.7	105.7



Abundance Ion 122.00 (121.70 to 122.70): E
600000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 12.188 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

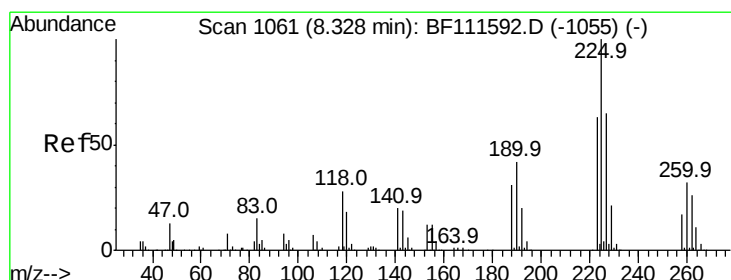
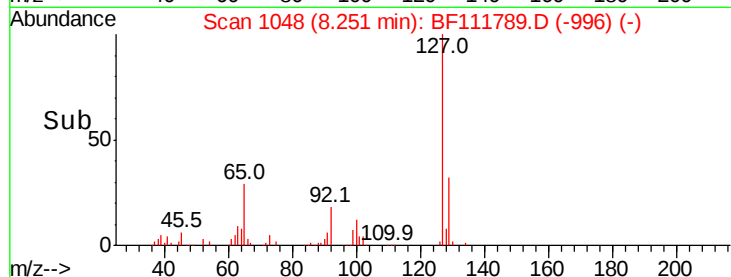
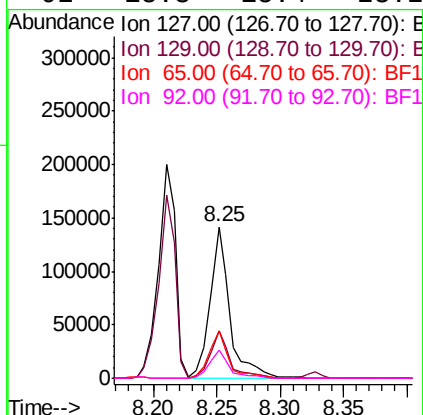
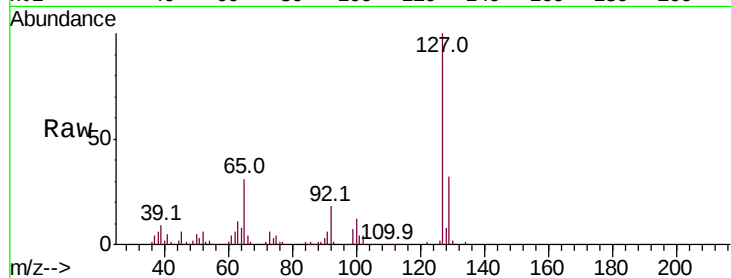
ClientSampleId :

TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	154420		
129	31.6	26.6	39.8	
65	31.1	25.7	38.5	
92	18.3	15.4	23.2	

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#34

Hexachlorobutadiene

Concen: 43.472 ng

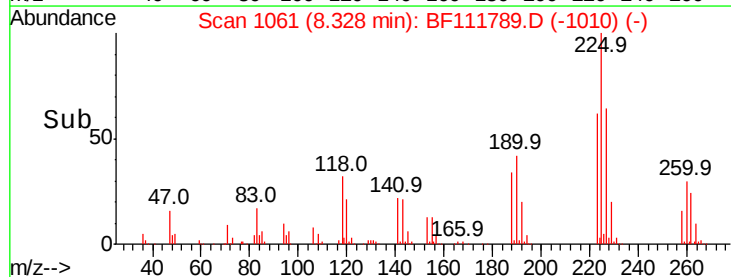
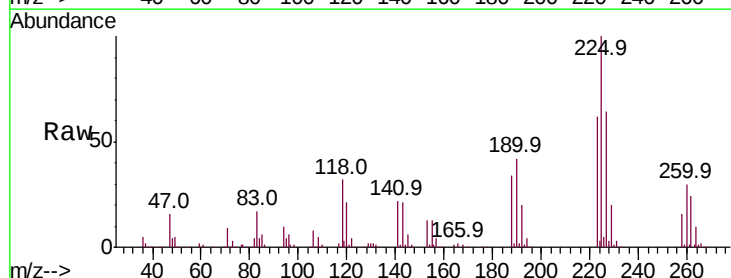
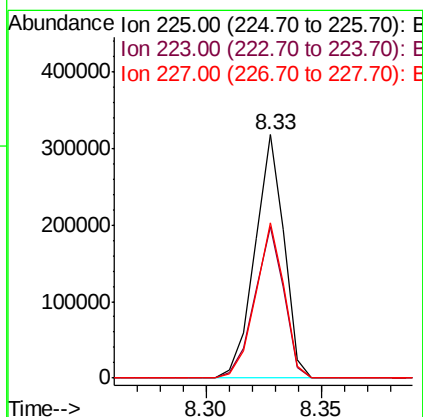
RT: 8.33 min Scan# 1061

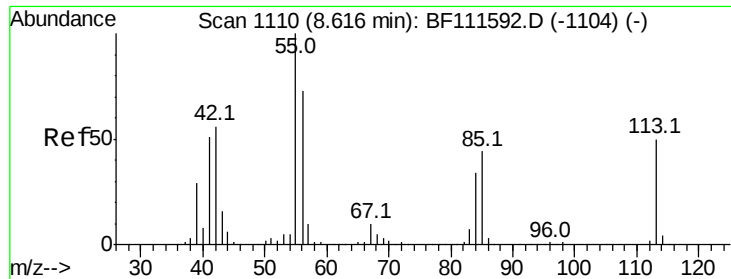
Delta R.T. -0.00 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	278888		
223	62.3	50.7	76.1	
227	63.7	52.6	78.8	





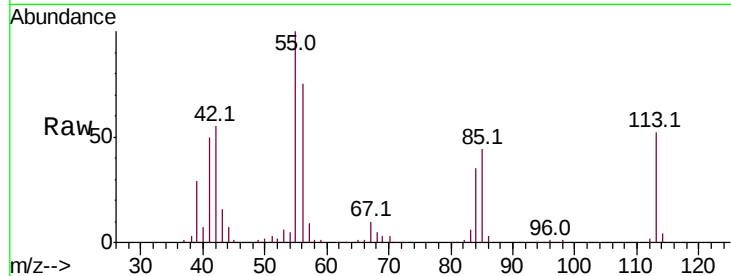
#35
Caprolactam
Concen: 46.475 ng/ml
RT: 8.62 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	190.6	184.1	224.1
56	142.8	126.0	166.0

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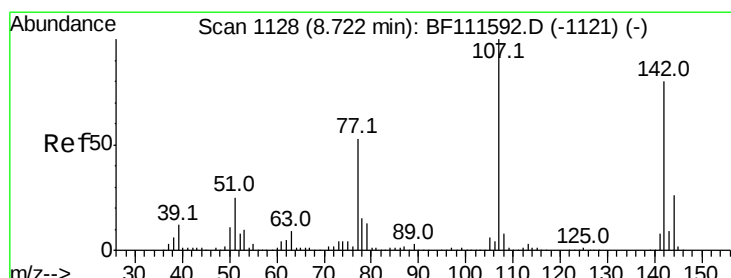
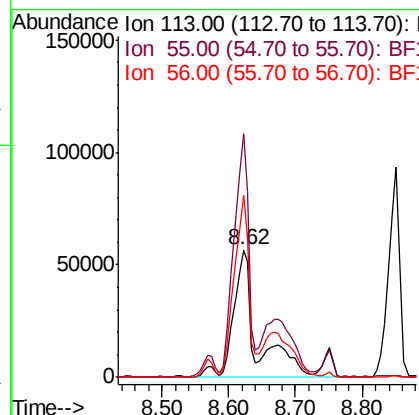
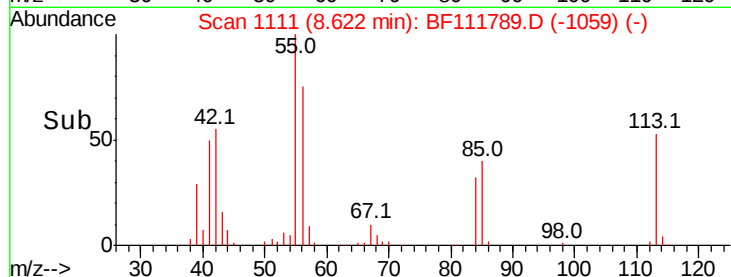


Abundance

Ion 113.00 (112.70 to 113.70): E

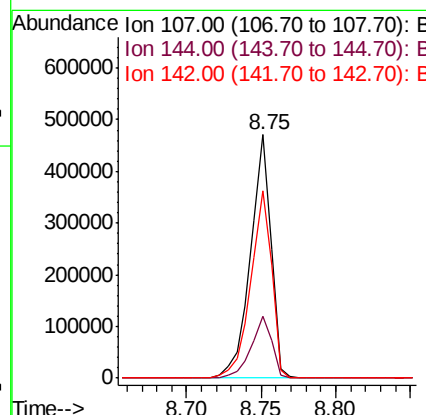
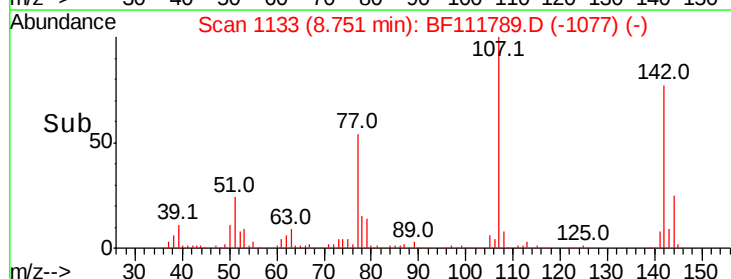
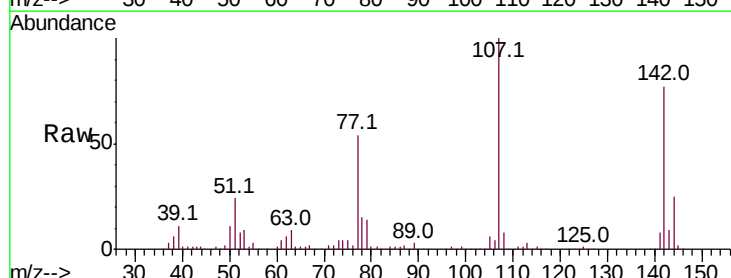
Ion 55.00 (54.70 to 55.70): BF1

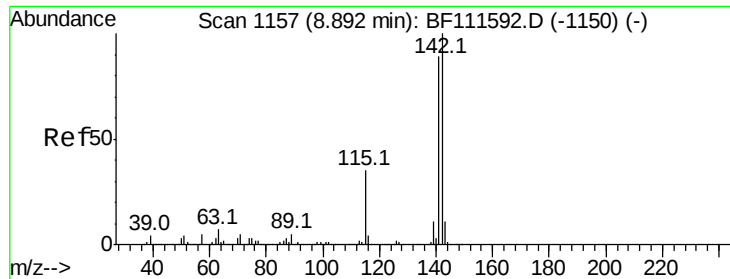
Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 48.212 ng/ml
RT: 8.75 min Scan# 1133
Delta R.T. 0.03 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.8	29.6
142	77.0	62.3	93.5





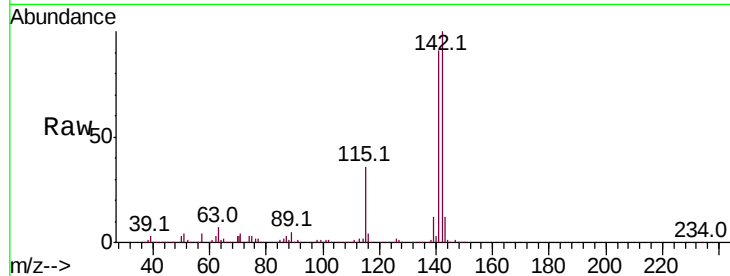
#37
2-Methylnaphthalene
Concen: 50.400 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	961168		
141	90.5	70.6	105.8	
115	36.0	27.0	40.6	

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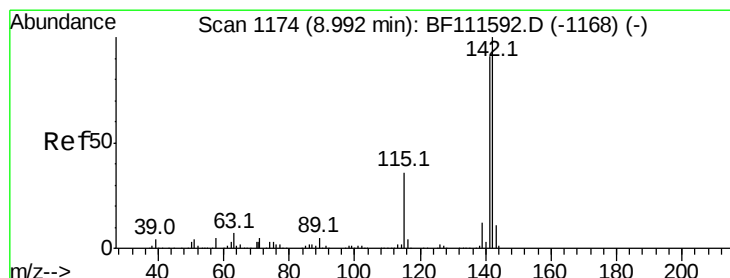
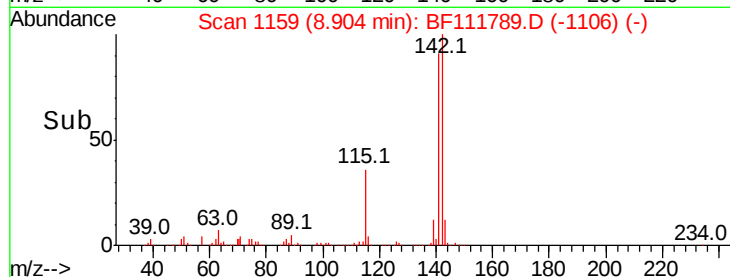
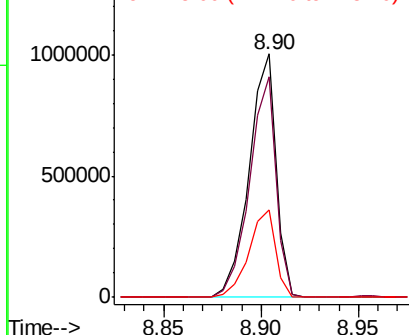


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 50.216 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

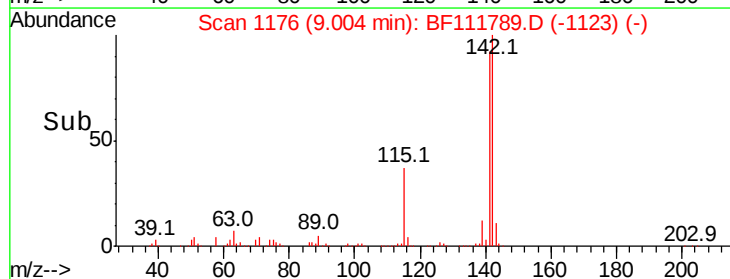
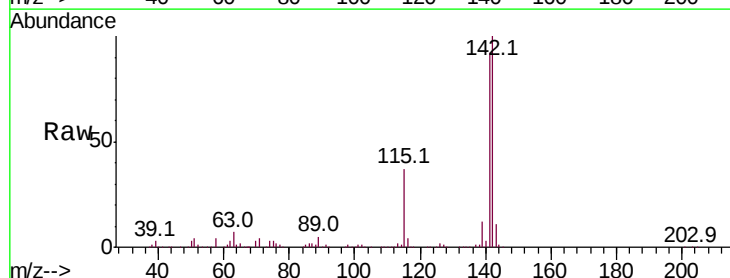
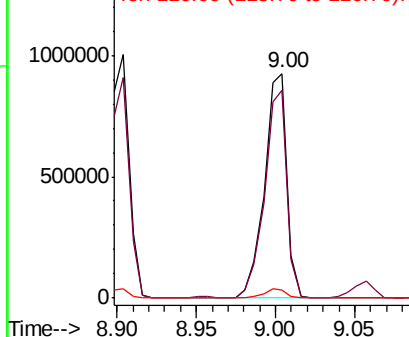
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	919757		
141	92.4	74.2	111.4	
116	3.7	2.9	4.3	

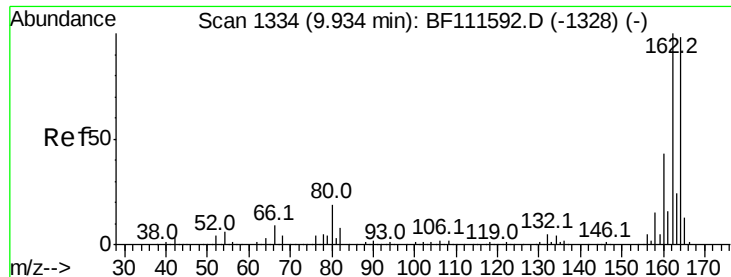
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





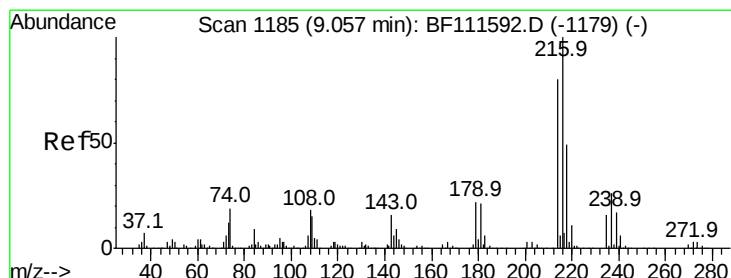
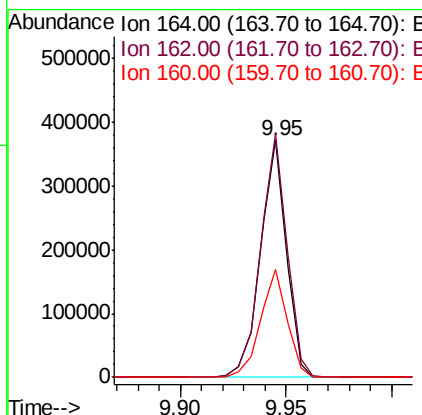
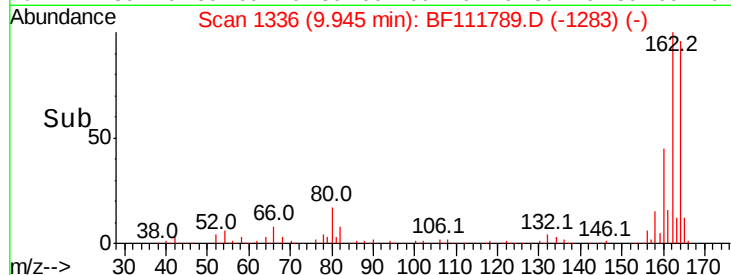
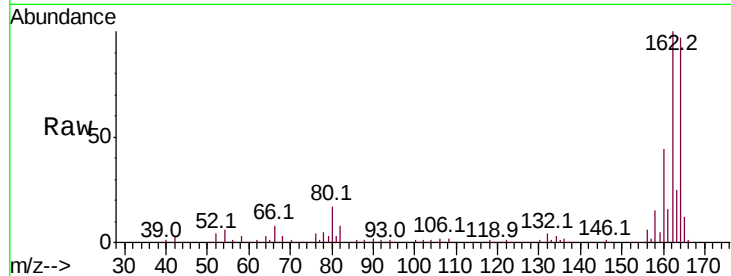
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	81.4	122.0	
160	45.7	35.7	53.5	

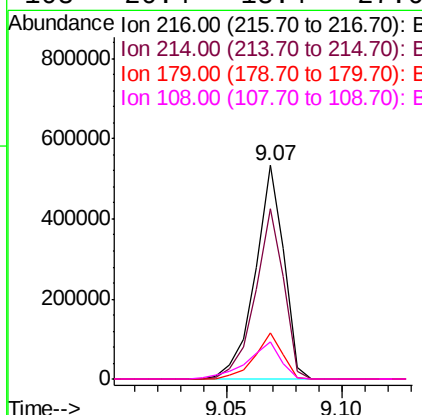
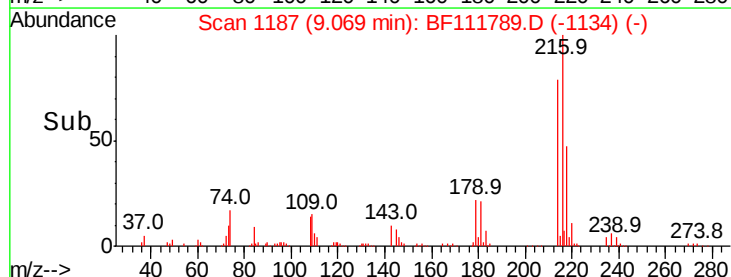
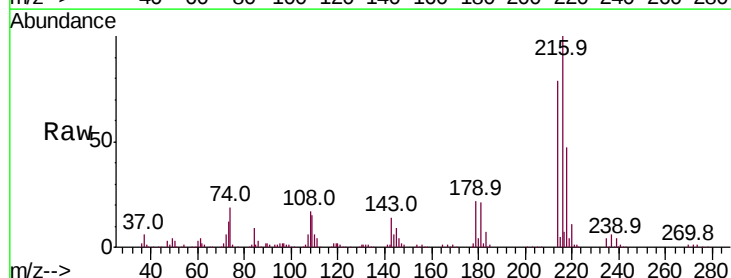
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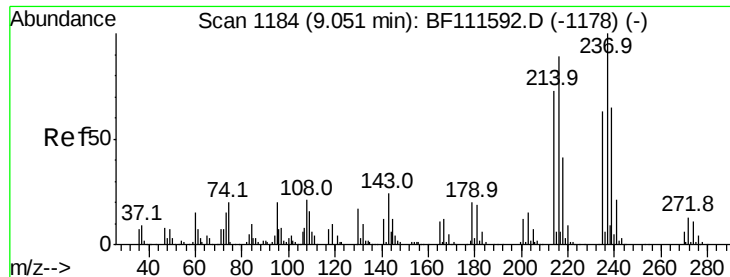
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.095 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.8	95.8	
179	20.9	17.9	26.9	
108	20.4	18.4	27.6	





#41

Hexachlorocyclopentadiene

Concen: 109.578 ng

RT: 9.06 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

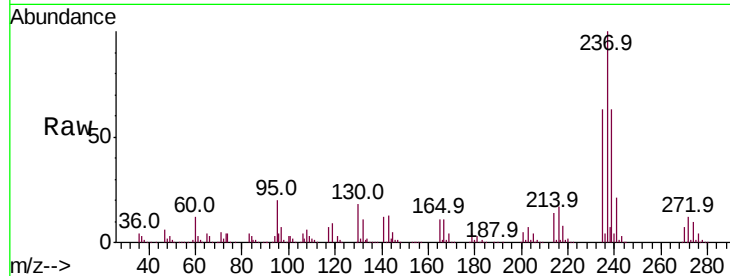
ClientSampleId :

TN-122618-CMSD

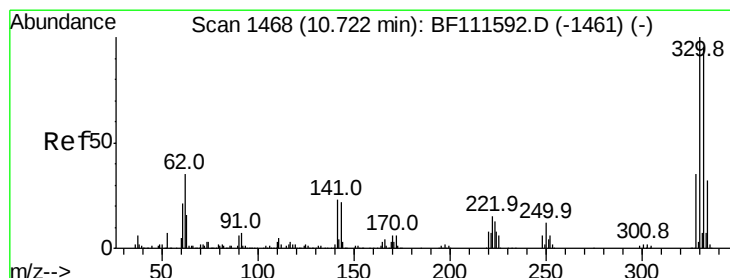
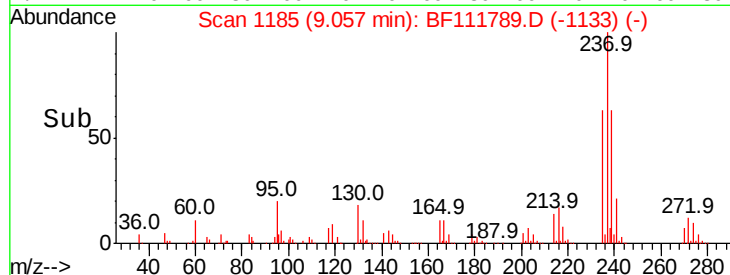
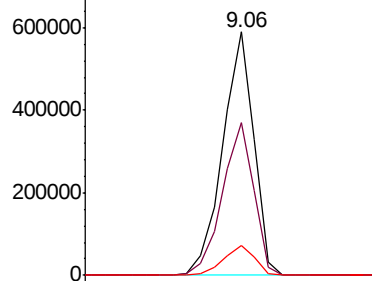
Tot Ion:	237	Resp:	555090
Ion Ratio		Lower	Upper
237	100		
235	62.8	43.1	83.1
272	12.5	0.0	33.0

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Abundance Ion 236.80 (236.50 to 237.50): E
800000 Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 144.751 ng

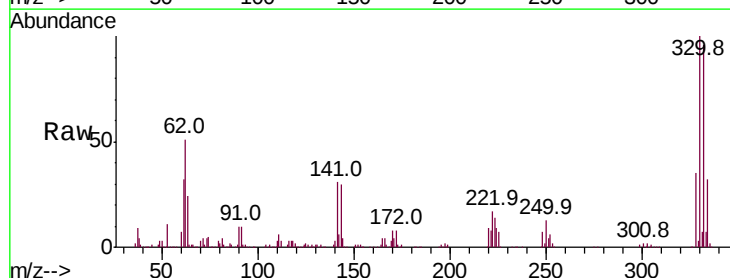
RT: 10.74 min Scan# 1471

Delta R.T. 0.02 min

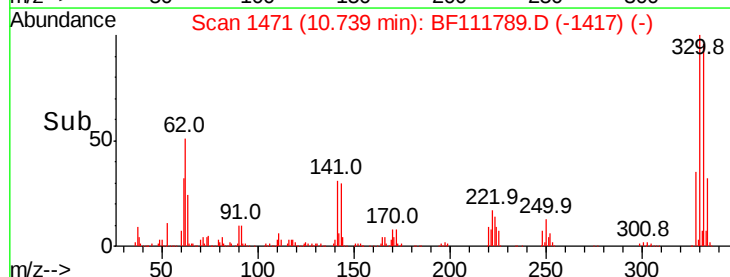
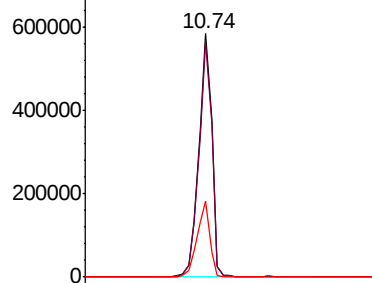
Lab File: BF111789.D

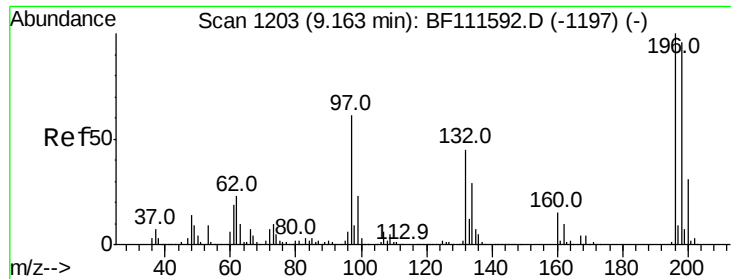
Acq: 28 Dec 2018 15:30

Tgt Ion:	330	Resp:	543347
Ion Ratio		Lower	Upper
330	100		
332	96.5	76.0	114.0
141	30.1	31.0	46.6#



Abundance Ion 329.80 (329.50 to 330.50): E
800000 Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





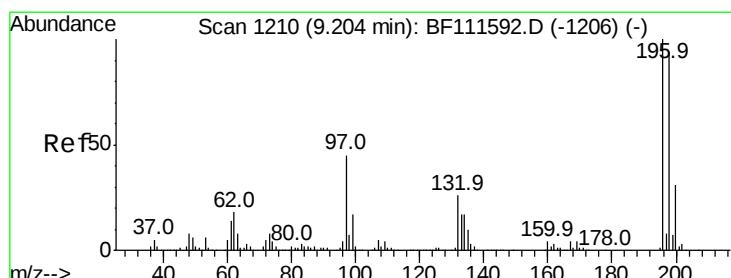
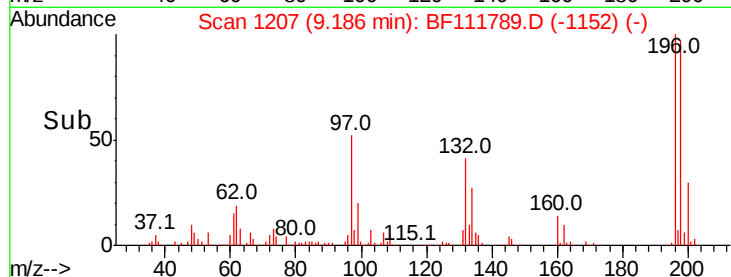
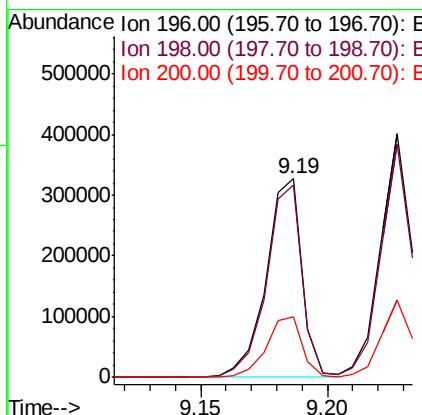
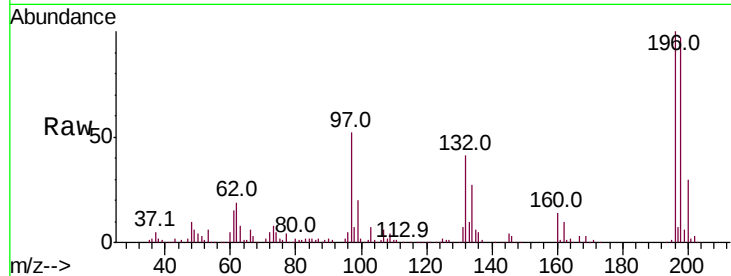
#43
 2,4,6-Trichlorophenol
 Concen: 46.725 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	325656		
198	97.0	76.3	114.5	
200	30.5	24.9	37.3	

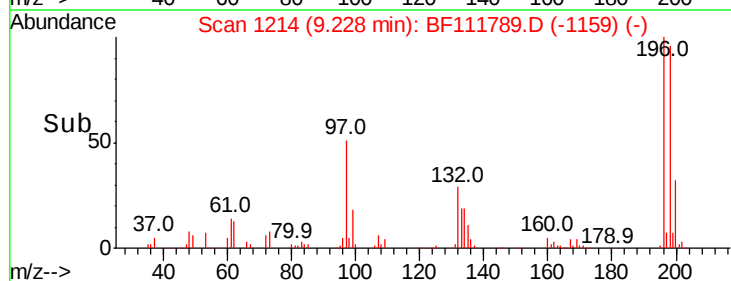
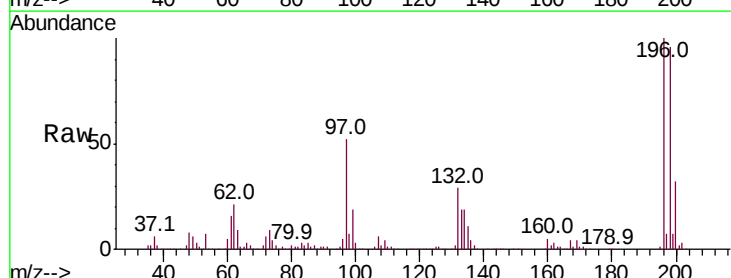
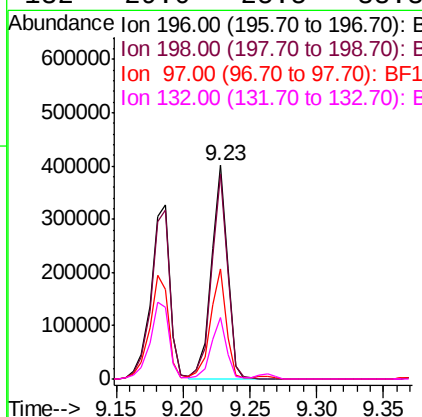
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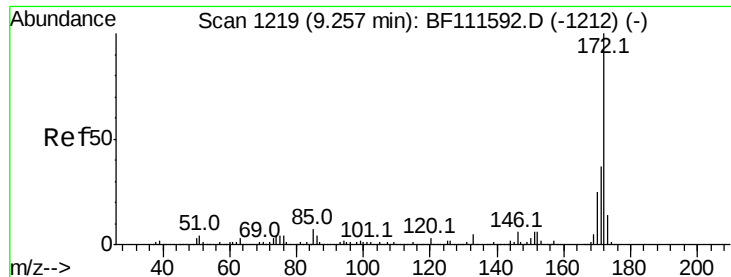
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#44
 2,4,5-Trichlorophenol
 Concen: 48.055 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	343597		
198	96.0	72.9	109.3	
97	51.6	45.3	67.9	
132	29.0	25.5	38.3	





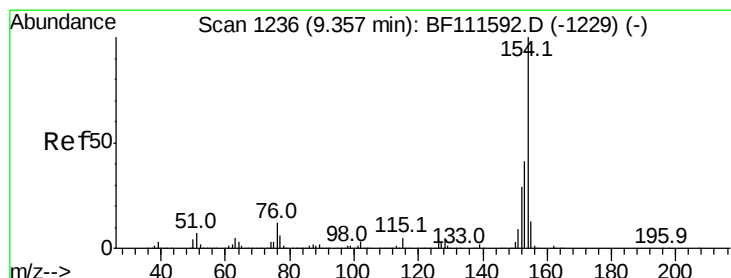
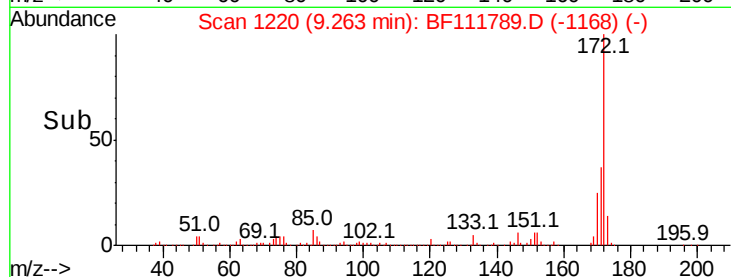
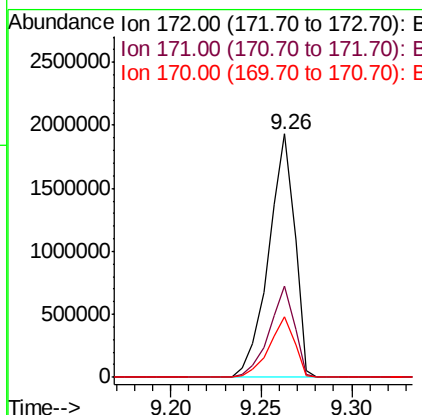
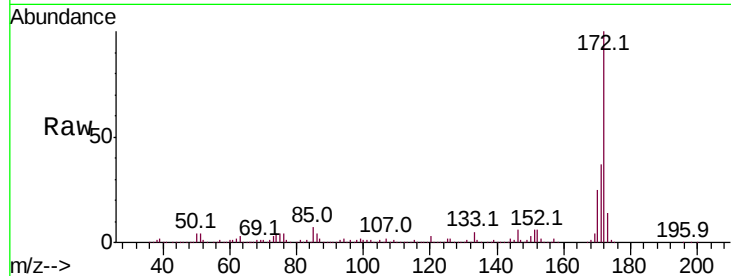
#45
2-Fluorobiphenyl
Concen: 88.726 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion:172 Resp: 1933808
Ion Ratio Lower Upper
172 100
171 37.3 33.0 49.4
170 24.7 22.3 33.5

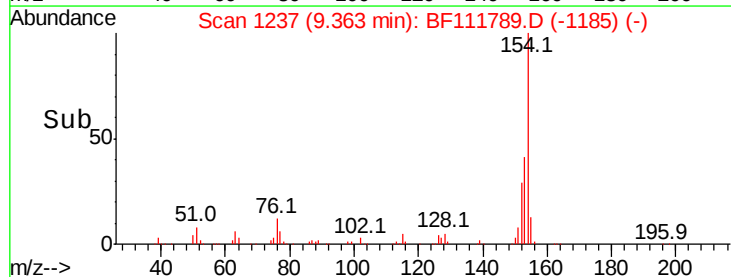
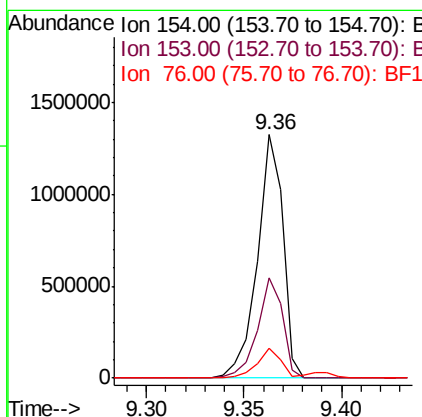
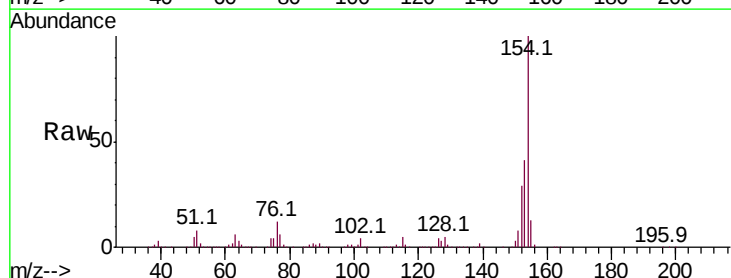
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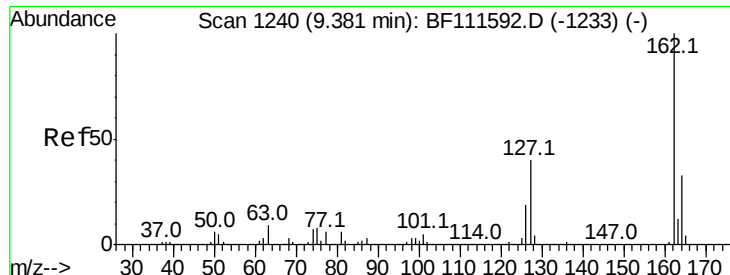
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#46
1,1'-Biphenyl
Concen: 44.672 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion:154 Resp: 1197983
Ion Ratio Lower Upper
154 100
153 41.2 23.7 63.7
76 12.2 0.0 35.0





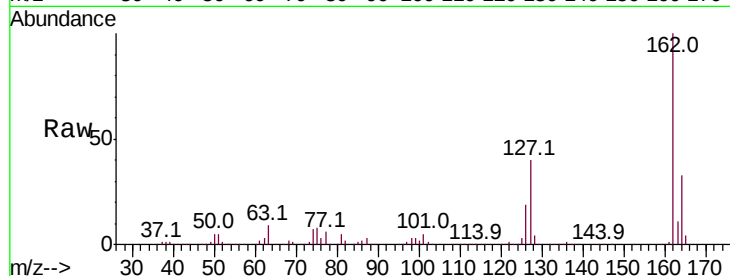
#47
2-Chloronaphthalene
Concen: 44.291 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

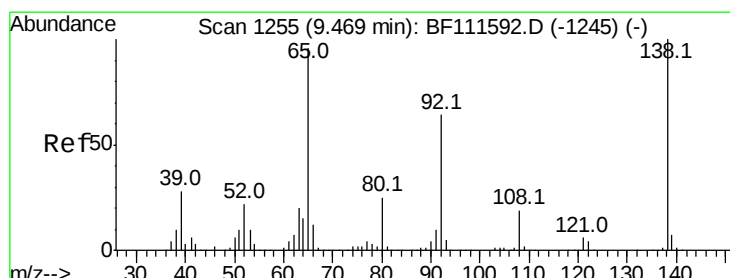
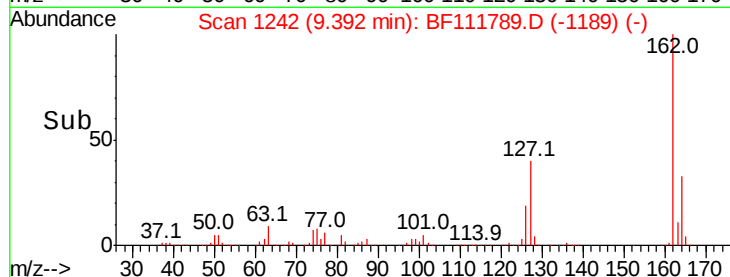
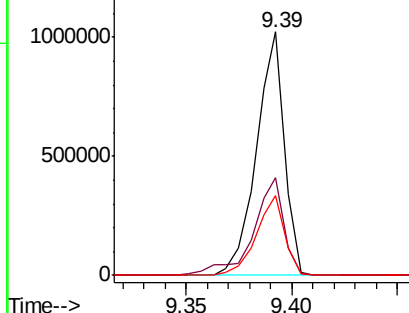
Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	39.9	35.0	52.4
164	32.9	28.4	42.6

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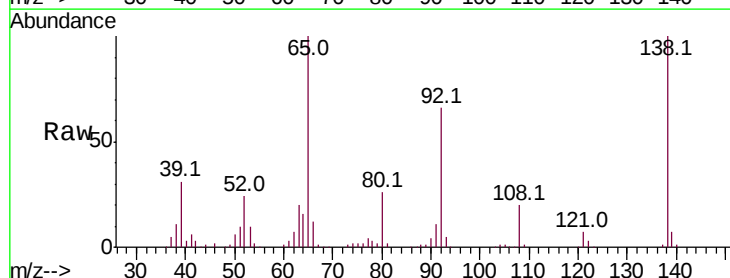


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

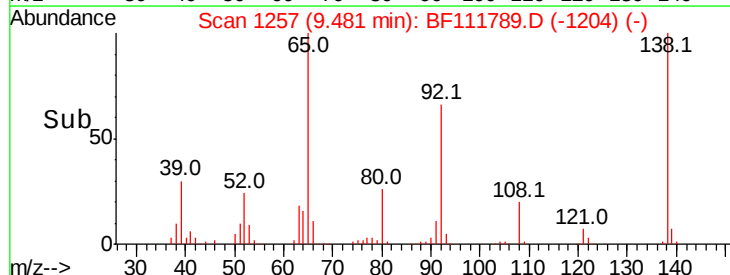
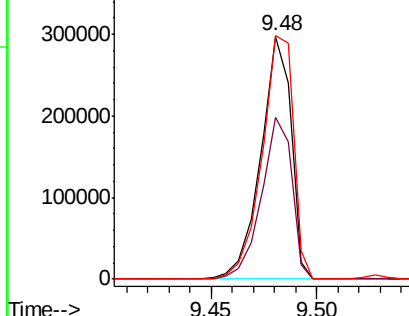


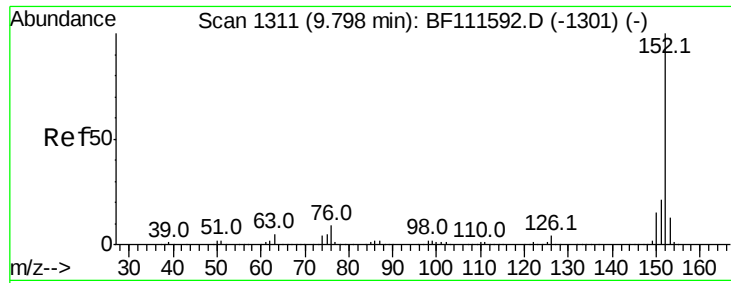
#48
2-Nitroaniline
Concen: 53.946 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	66.5	53.5	80.3
138	100.2	80.9	121.3



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.087 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

ClientSampleId :

TN-122618-CMSD

Tot Ion:152 Resp: 1491758

Ion Ratio Lower Upper

152 100

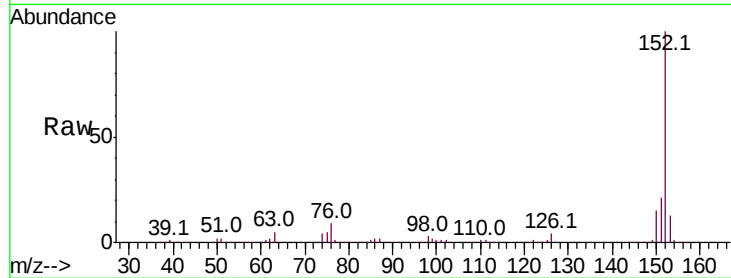
151 20.7 18.0 27.0

153 13.2 12.3 18.5

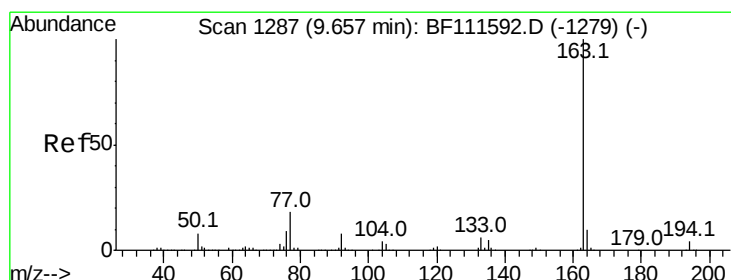
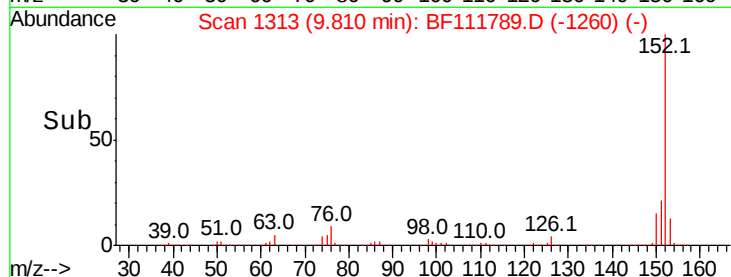
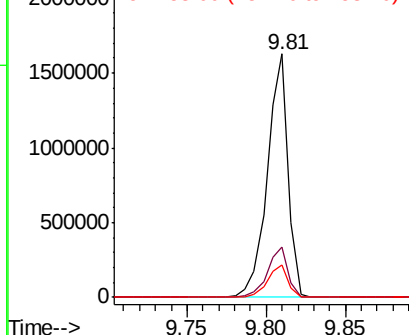
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 69.401 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

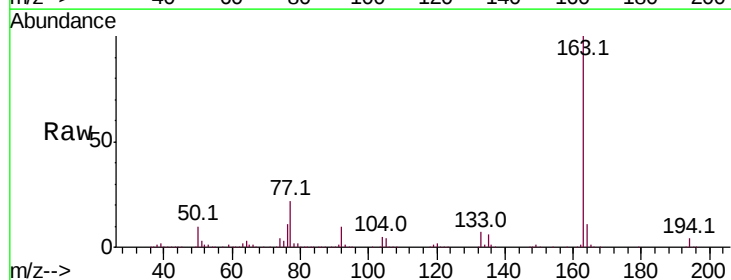
Tgt Ion:163 Resp: 1612266

Ion Ratio Lower Upper

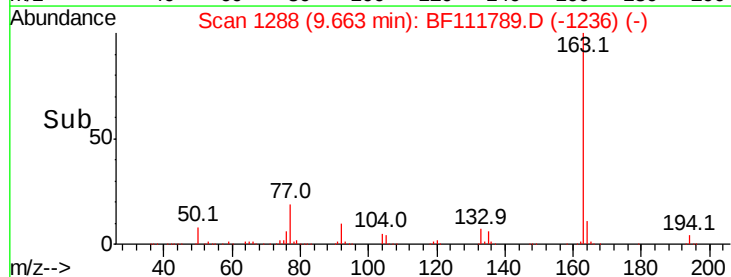
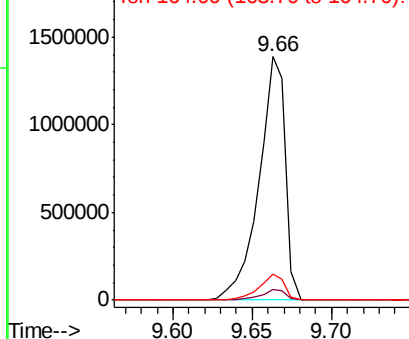
163 100

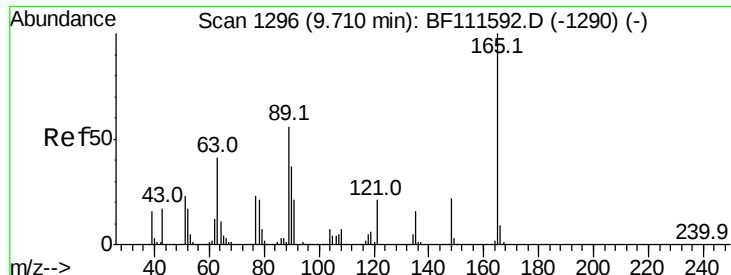
194 4.2 3.0 4.6

164 10.7 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 55.311 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

ClientSampleId :

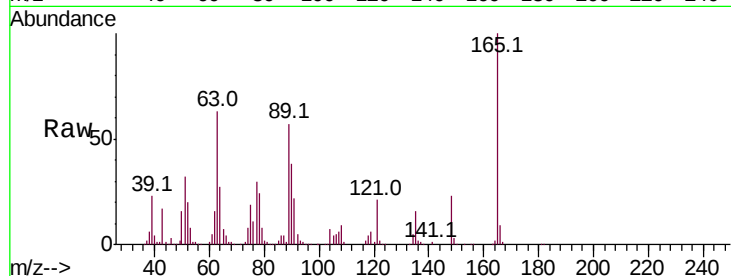
TN-122618-CMSD

Tot Ion:165 Resp: 256217
Ion Ratio Lower Upper

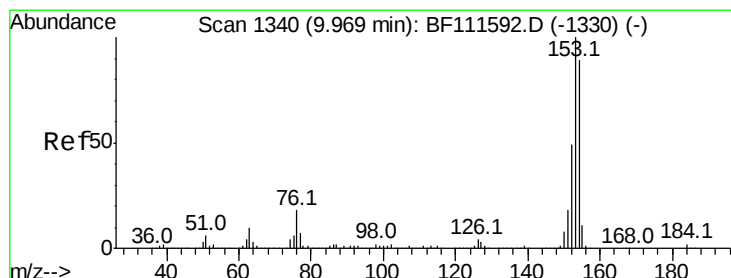
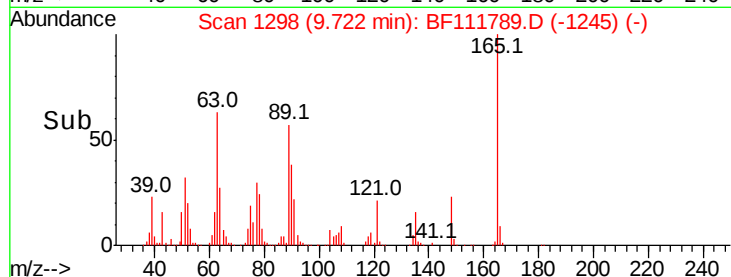
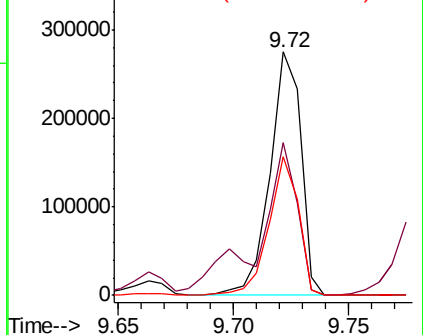
165	100		
63	62.8	40.5	60.7#
89	56.8	40.0	60.0

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 52.039 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

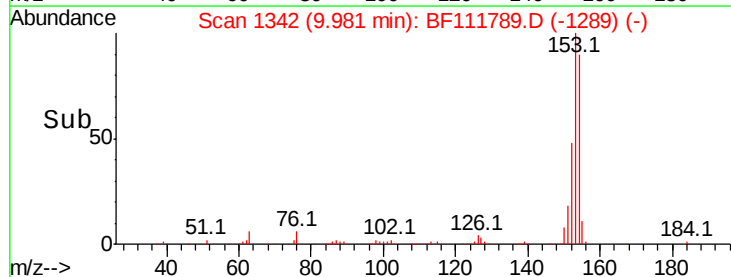
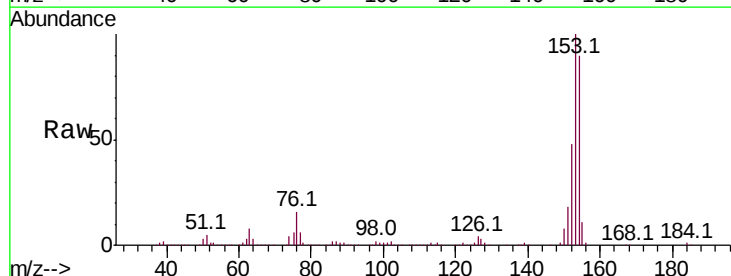
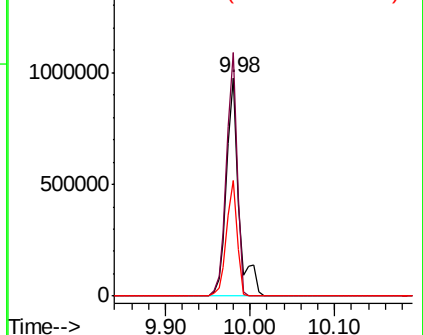
Lab File: BF111789.D

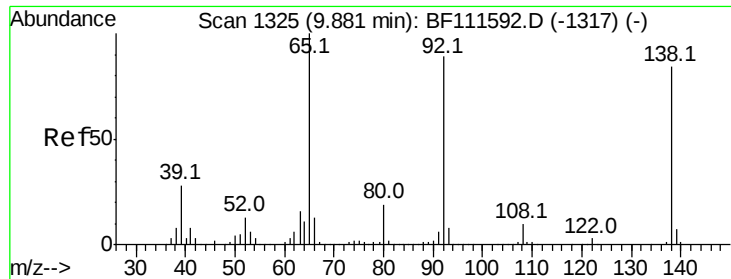
Acq: 28 Dec 2018 15:30

Tgt Ion:154 Resp: 995665
Ion Ratio Lower Upper

154	100		
153	111.6	87.8	131.8
152	53.2	43.4	65.2

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





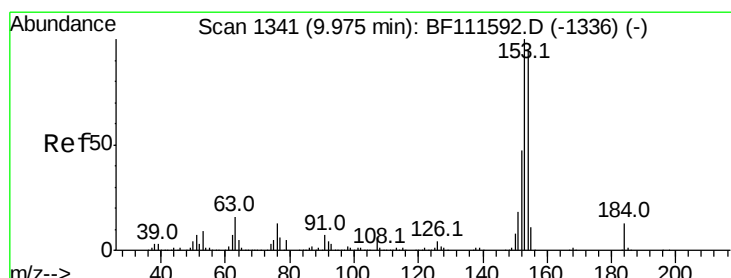
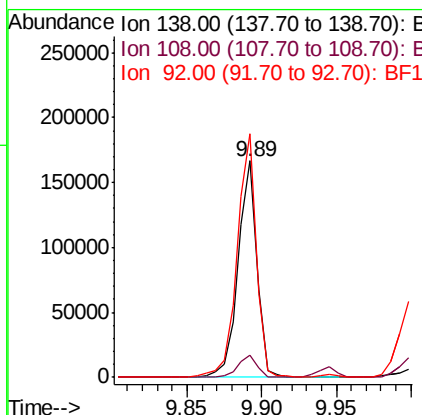
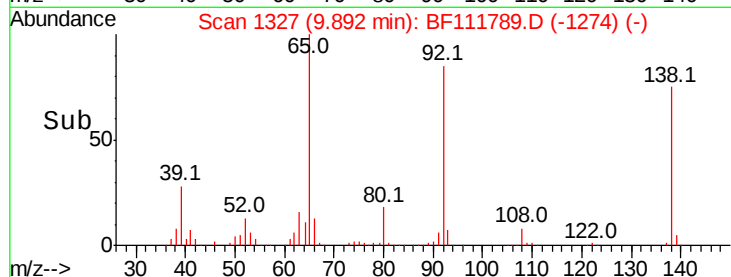
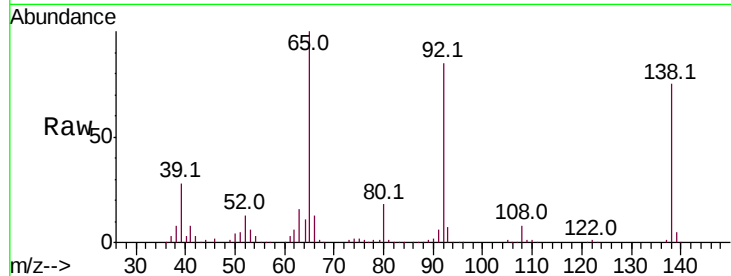
#53
3-Nitroaniline
Concen: 29.883 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.2	12.4
92	112.6	93.4	140.2

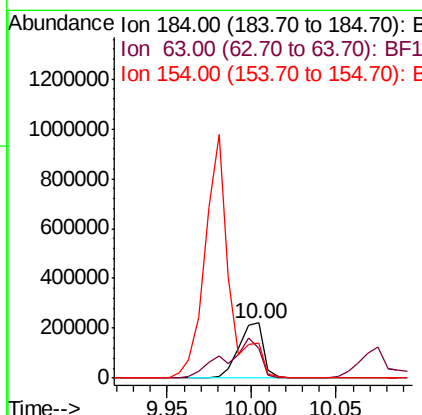
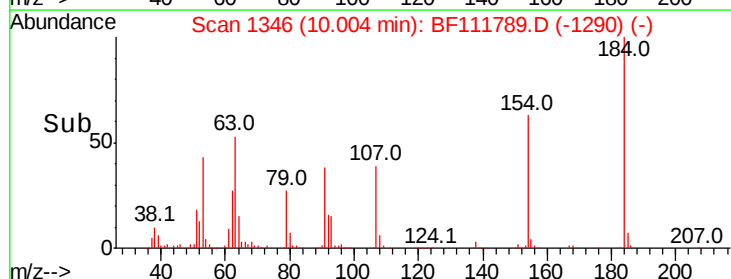
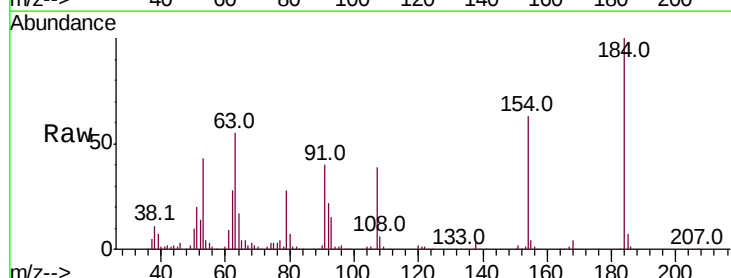
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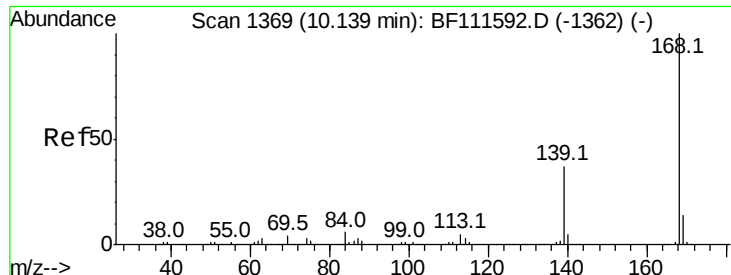
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#54
2,4-Dinitrophenol
Concen: 146.082 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.03 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.4	62.3	93.5#
154	63.2	56.2	84.2





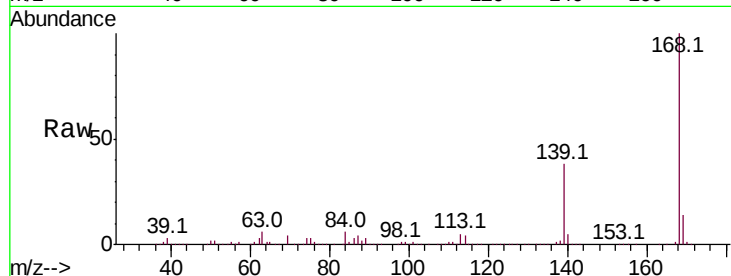
#55
Dibenzenofuran
Concen: 45.831 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampled :
TN-122618-CMSD

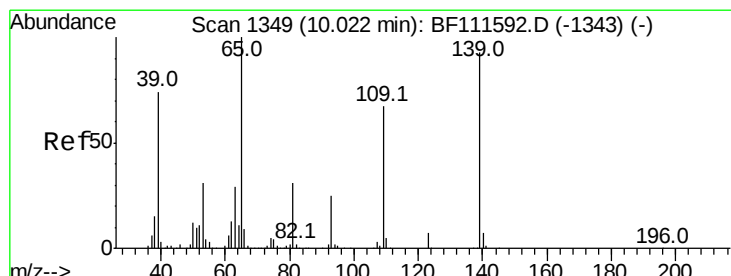
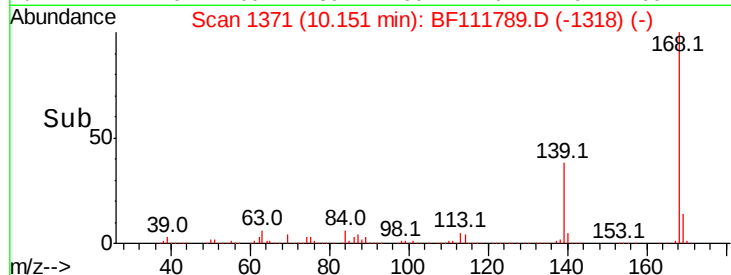
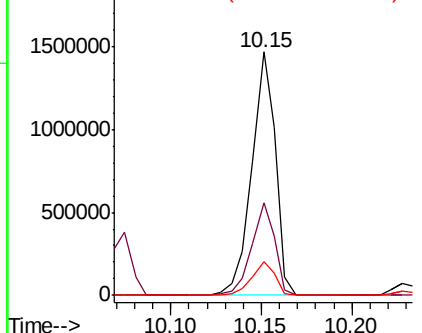
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.6	49.0
169	13.7	11.8	17.6

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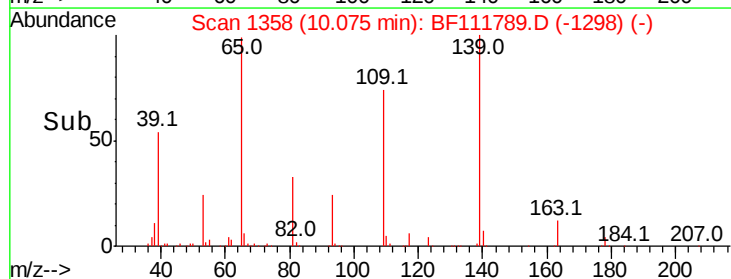
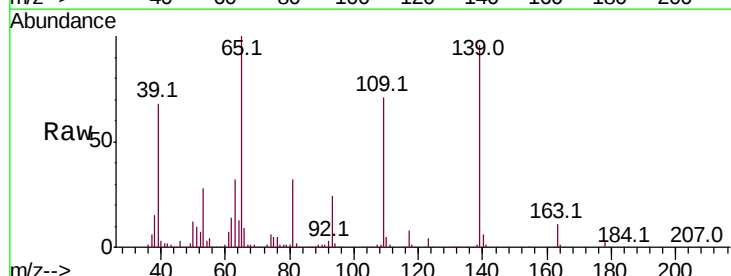
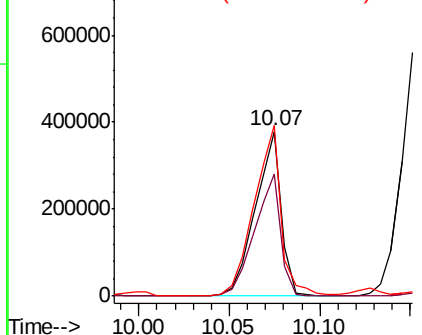
Abundance Ion 168.00 (167.70 to 168.70): E
2000000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

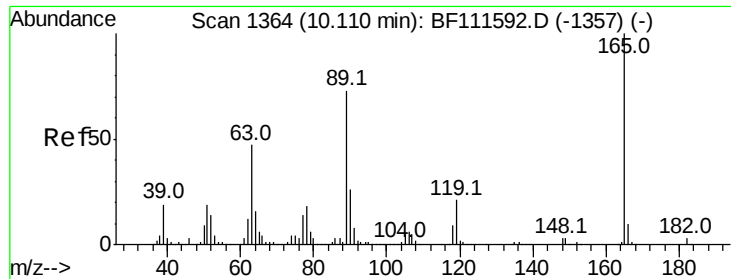


#56
4-Nitrophenol
Concen: 99.819 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.05 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.0	41.8	81.8
65	103.7	79.6	119.6

Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





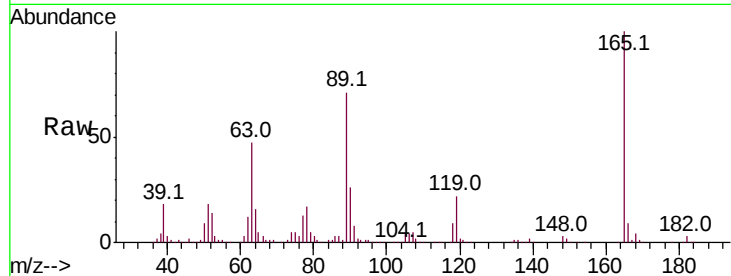
#57
2,4-Dinitrotoluene
Concen: 61.354 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	341584		
63	46.8	34.6	52.0	
89	71.2	56.2	84.4	
182	2.6	1.8	2.6	

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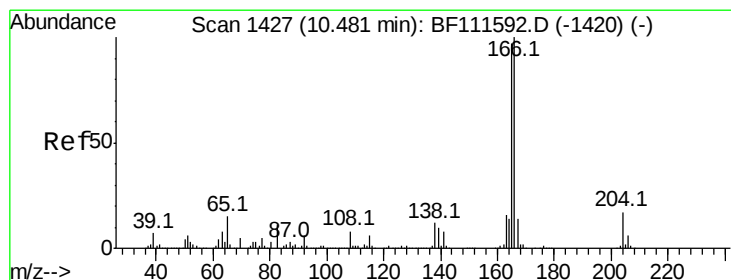
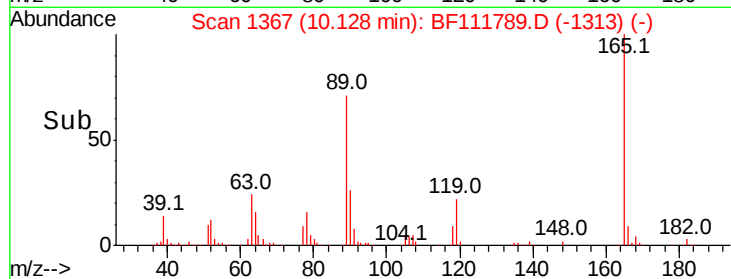
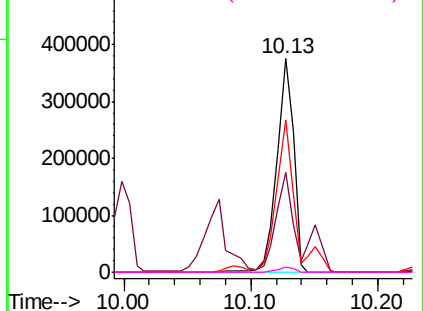
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 49.444 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

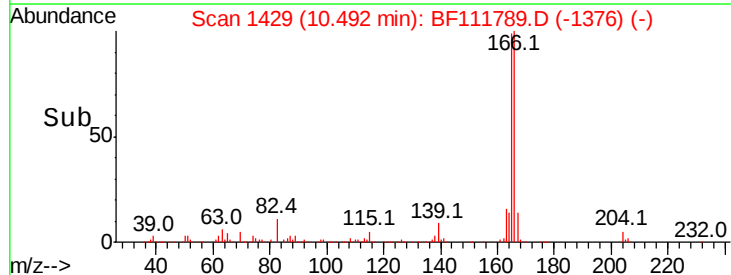
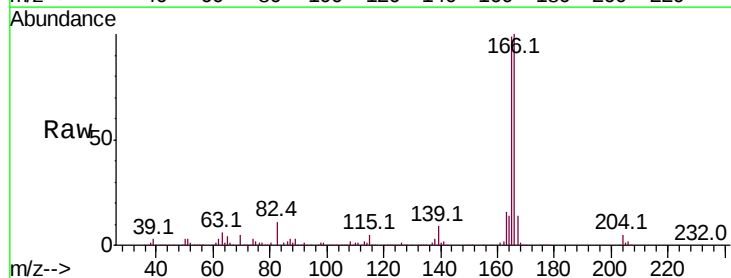
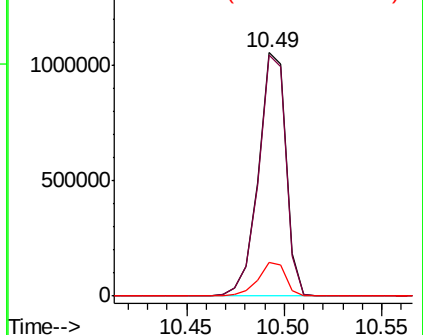
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1029884		
165	98.8	78.4	117.6	
167	13.8	11.2	16.8	

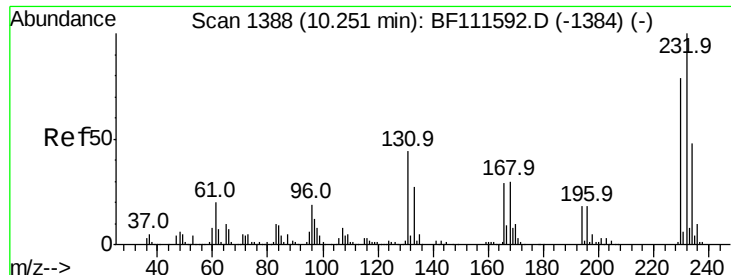
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





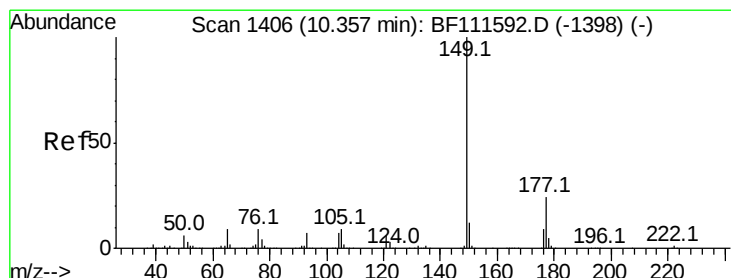
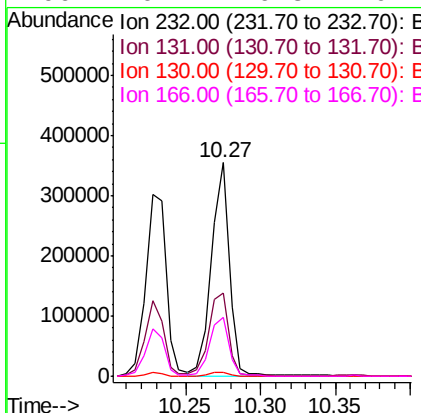
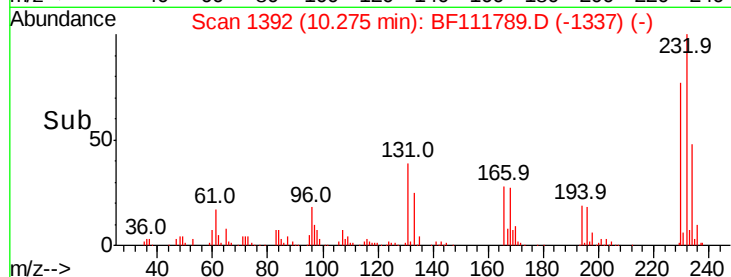
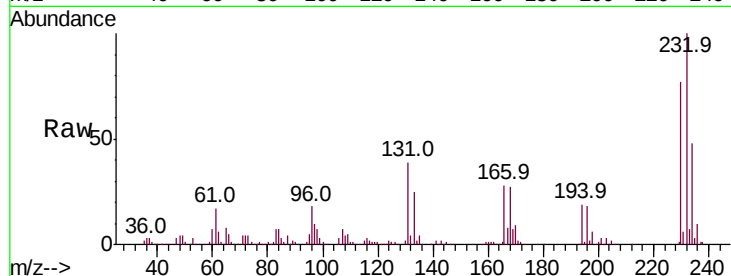
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.483 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	297755		
131	43.2		40.9	61.3
130	2.3		2.0	3.0
166	29.4		26.8	40.2

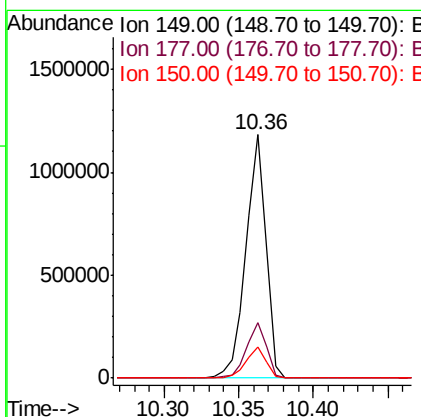
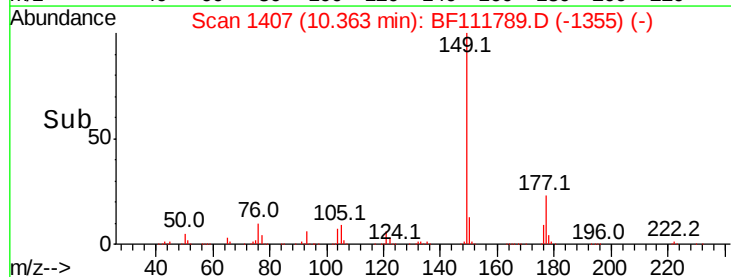
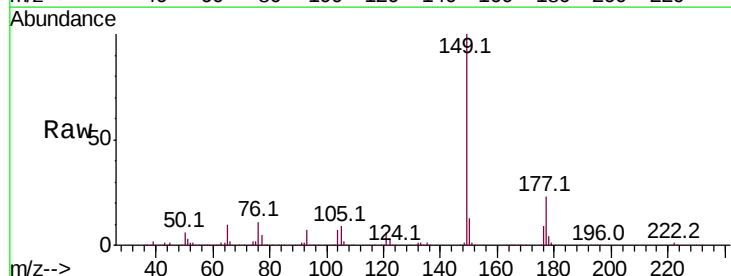
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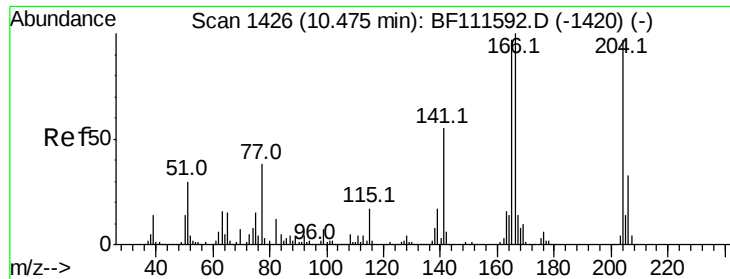
Sohil
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#60
 Diethylphthalate
 Concen: 48.064 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1095308		
177	22.9		18.3	27.5
150	12.8		10.6	15.8





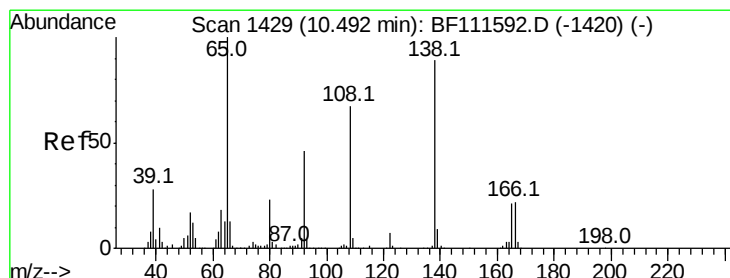
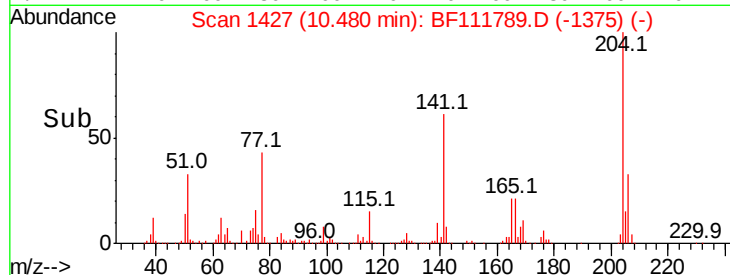
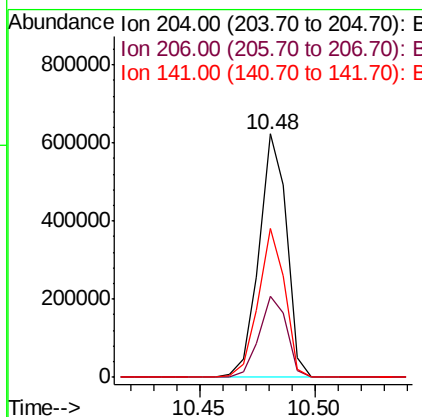
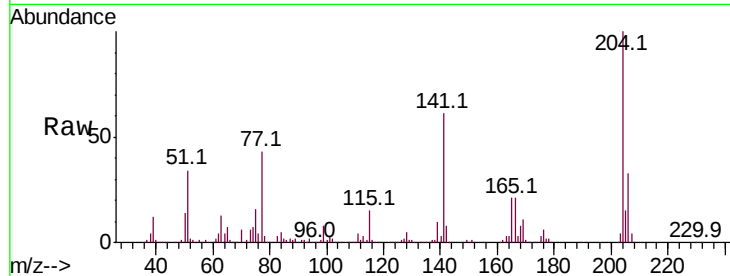
#61
 4-Chlorophenyl-phenylether
 Concen: 45.387 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion:	204	Resp:	522309
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.6	39.8
141	61.0	52.6	78.8

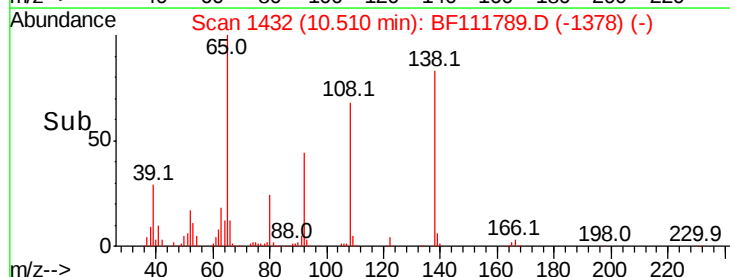
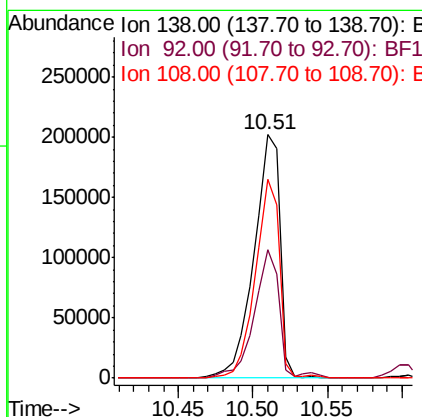
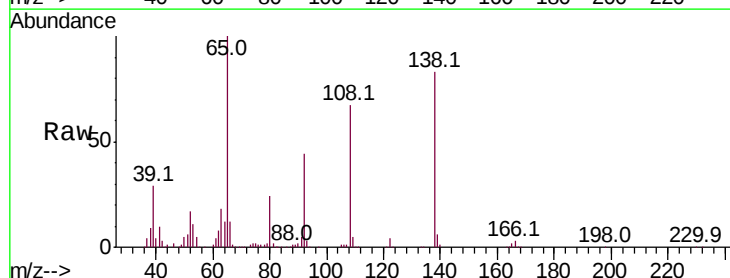
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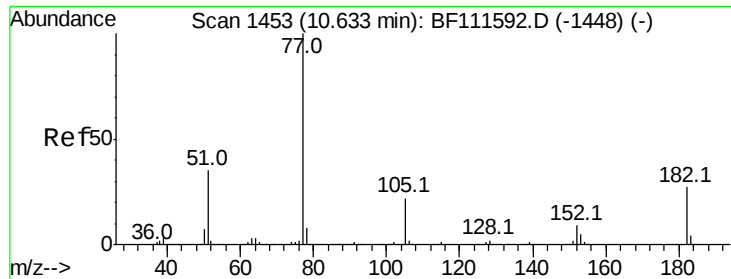
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#62
 4-Nitroaniline
 Concen: 50.323 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion:	138	Resp:	241634
Ion Ratio	Lower	Upper	
138	100		
92	53.0	29.9	69.9
108	81.5	43.2	83.2





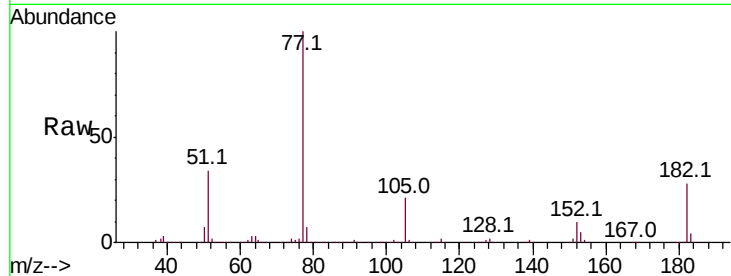
#63
Azobenzene
Concen: 44.490 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.8	4.9	44.9
105	20.6	6.0	46.0
51	33.8	14.7	54.7

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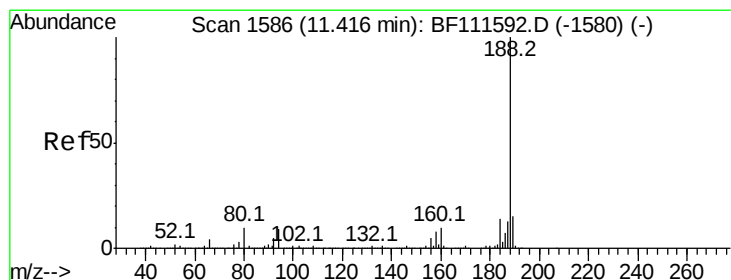
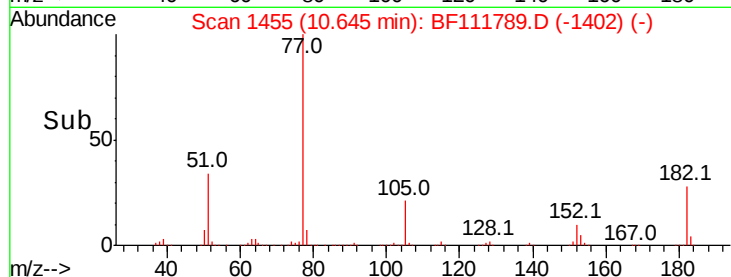
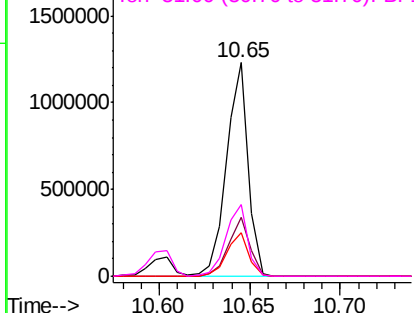
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

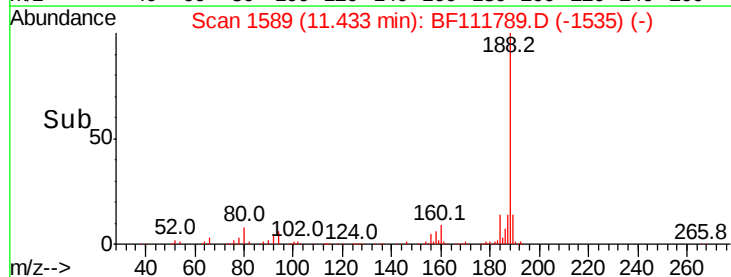
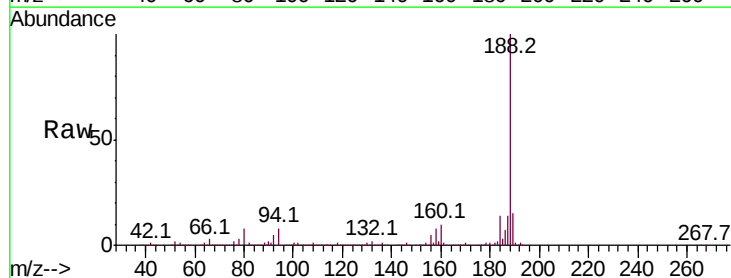
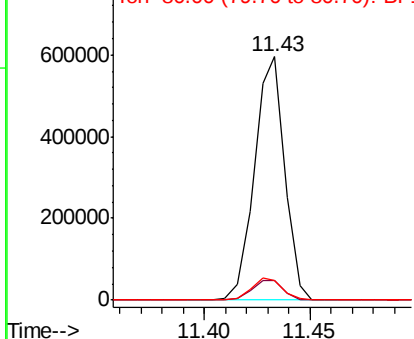
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	9.6	14.4#
80	8.3	9.8	14.6#

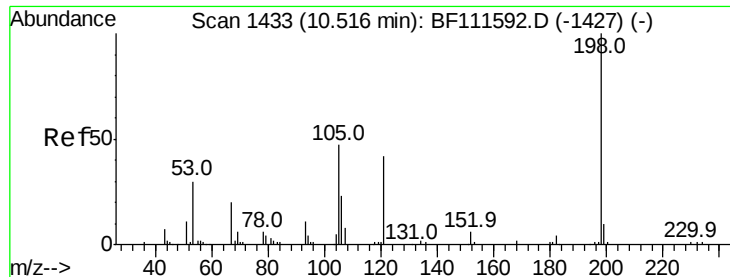
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





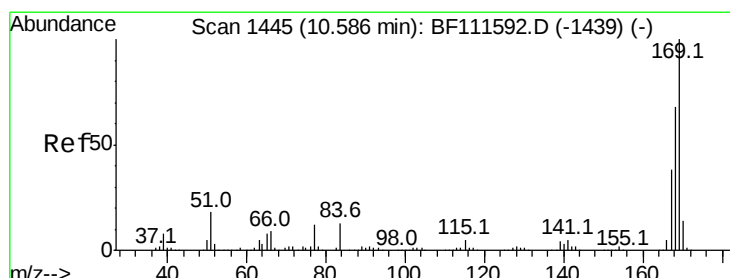
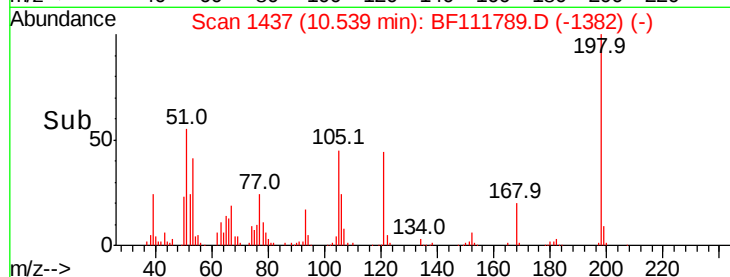
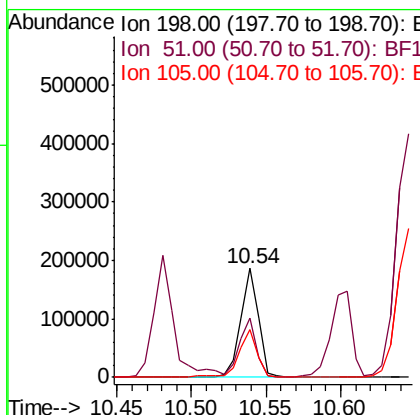
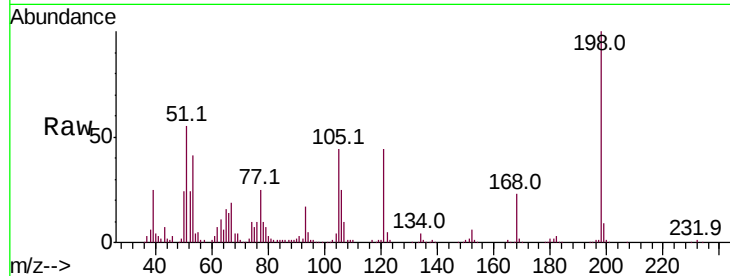
#65
 4,6-Dinitro-2-methylphenol
 Concen: 60.841 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	154390		
51	54.9	48.0	88.0	
105	44.4	34.0	74.0	

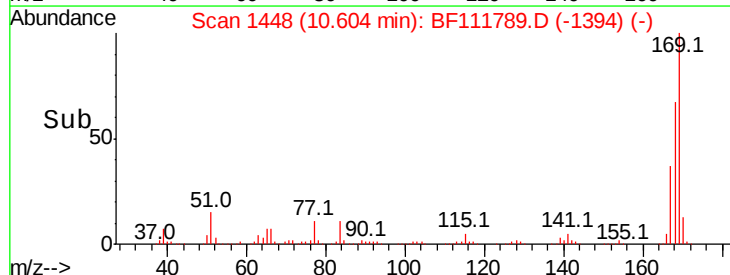
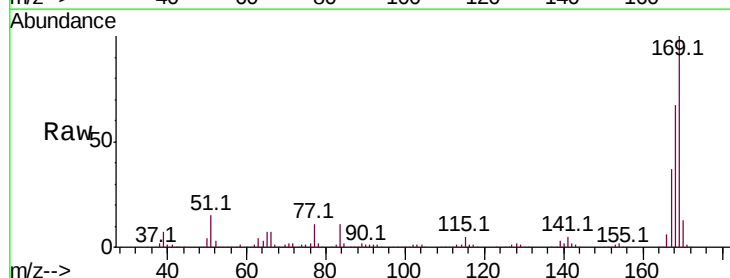
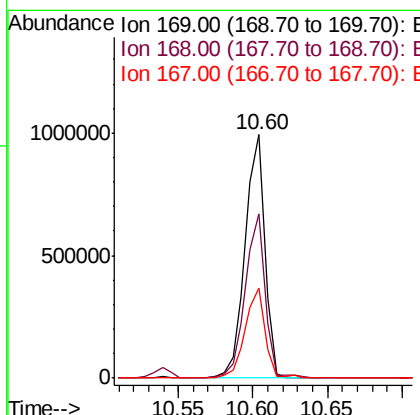
Manual Integrations
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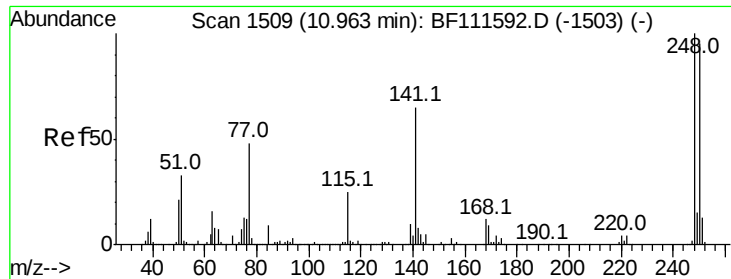
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#66
 n-Nitrosodiphenylamine
 Concen: 45.836 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	913483		
168	67.4	54.4	81.6	
167	37.0	30.5	45.7	





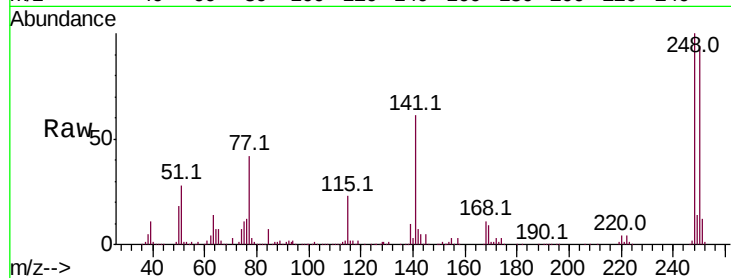
#67
4-Bromophenyl-phenylether
Concen: 45.454 ng
RT: 10.97 min Scan# 1511
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.1	77.0	115.4
141	61.3	63.0	94.6

Manual Integrations
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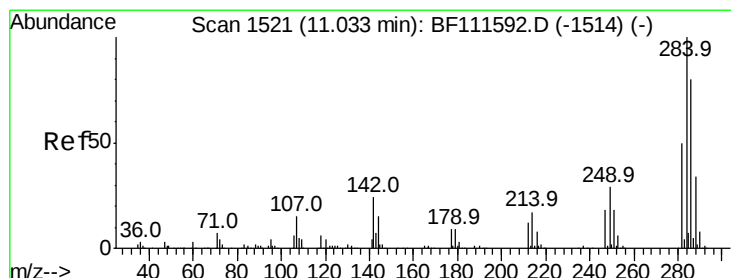
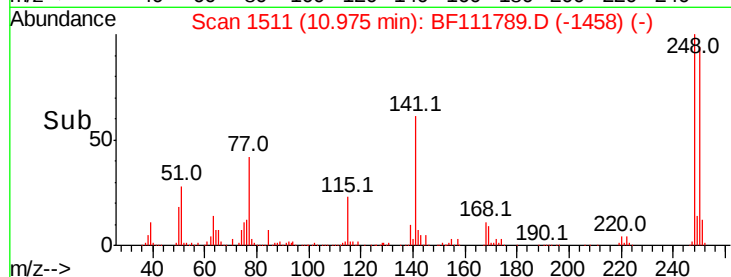
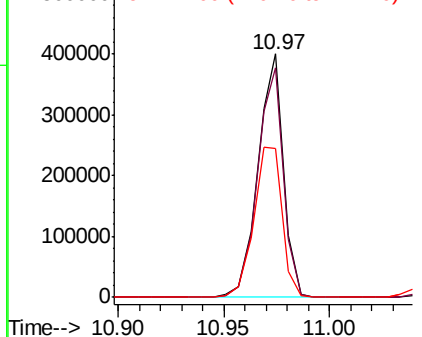


Abundance

Ion 248.00 (247.70 to 248.70): E

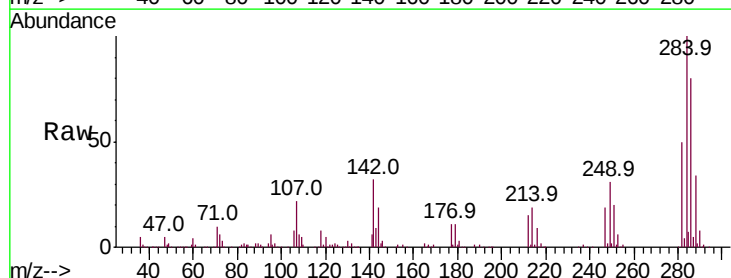
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 44.454 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	27.4	41.2
249	30.8	24.4	36.6

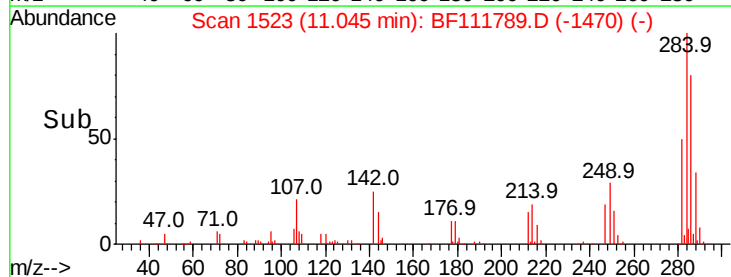
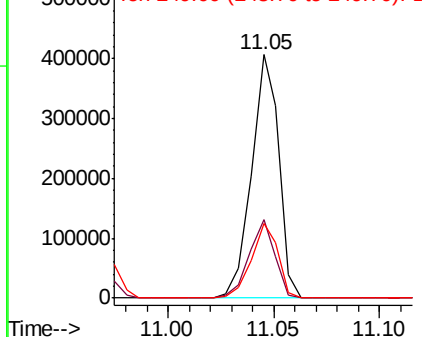


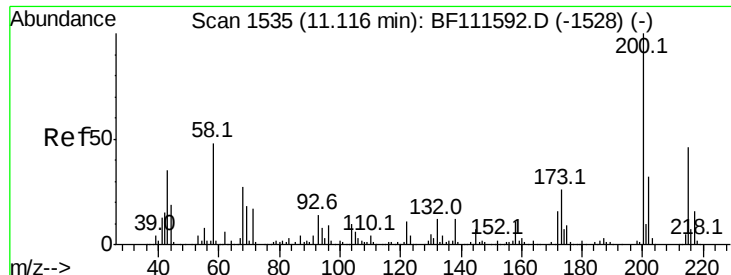
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





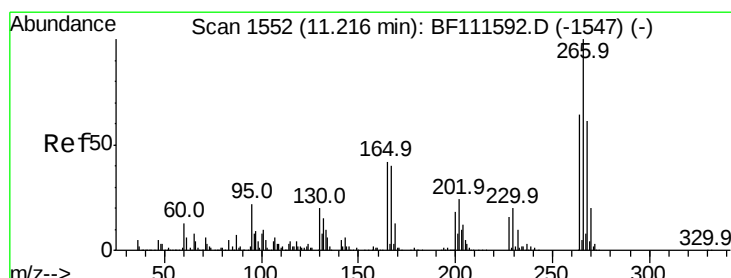
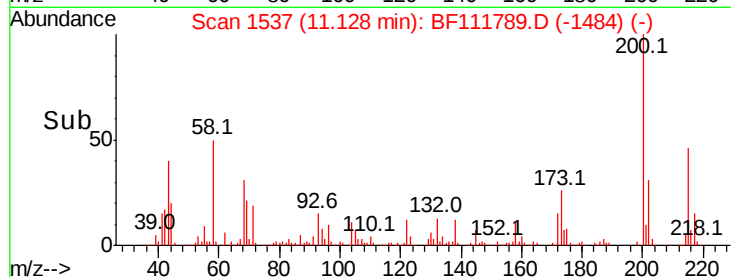
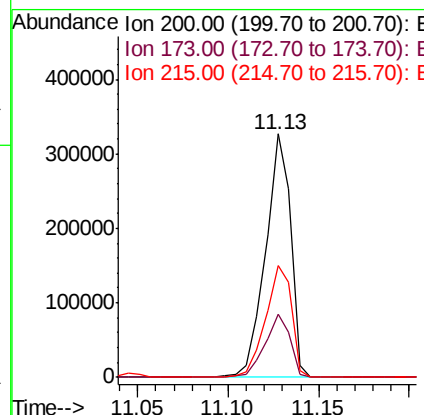
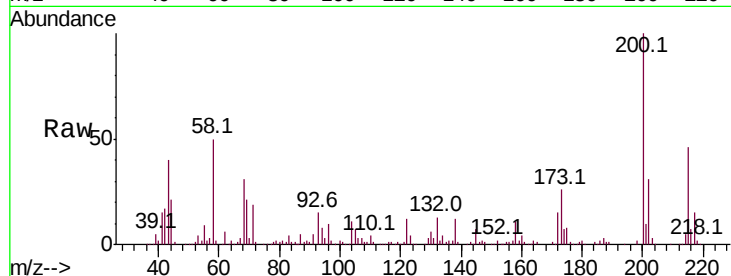
#69
Atrazine
Concen: 45.505 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.8	10.1	50.1
215	45.9	26.9	66.9

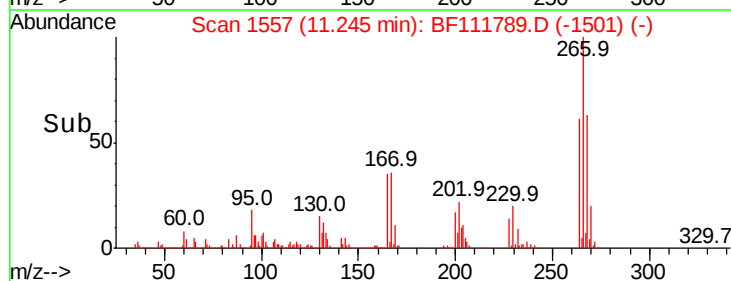
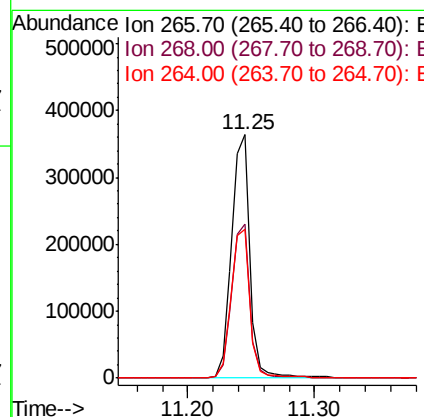
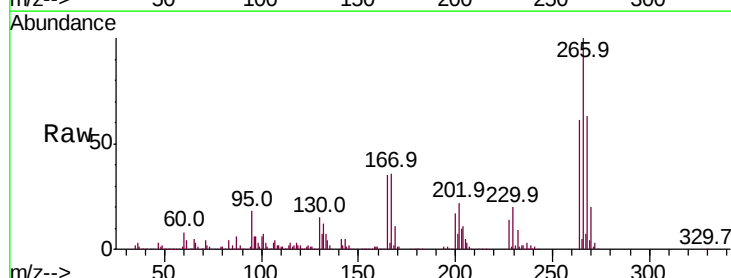
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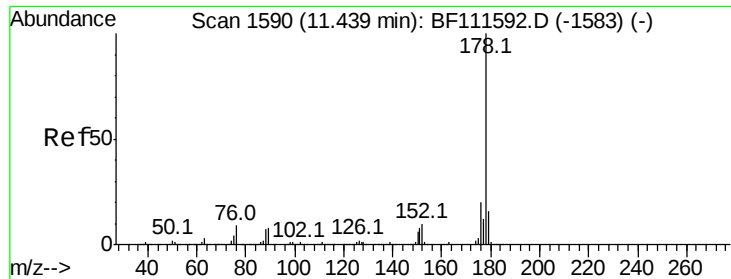
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#70
Pentachlorophenol
Concen: 71.598 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.03 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.3	47.9	71.9
264	61.3	49.1	73.7





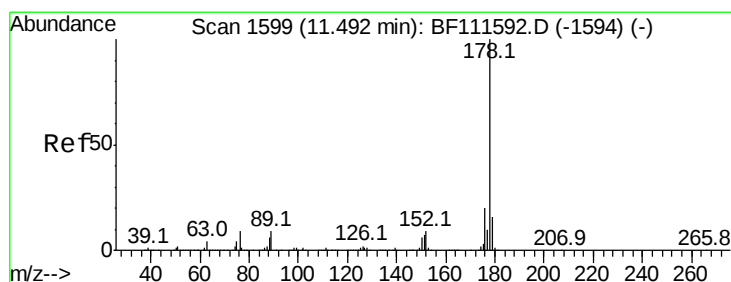
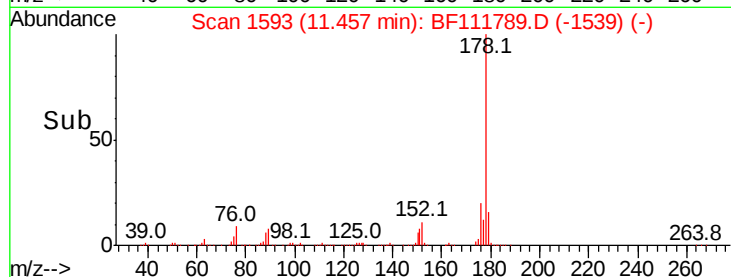
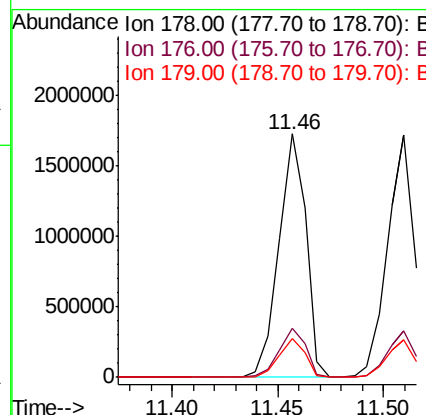
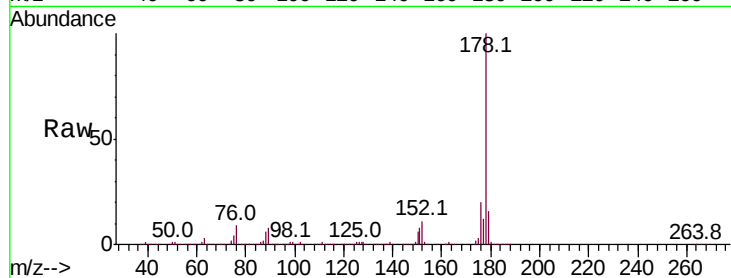
#71
Phenanthrene
Concen: 48.934 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion:178 Resp: 1540726
Ion Ratio Lower Upper
178 100
176 20.2 18.1 27.1
179 15.7 14.0 21.0

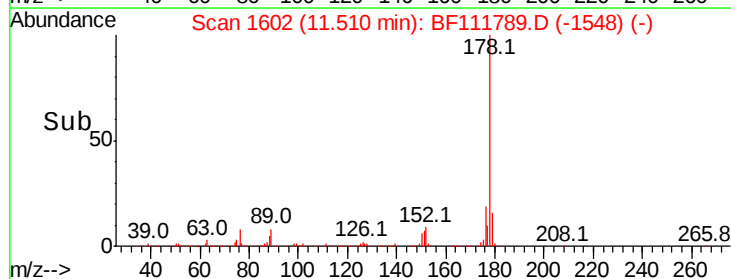
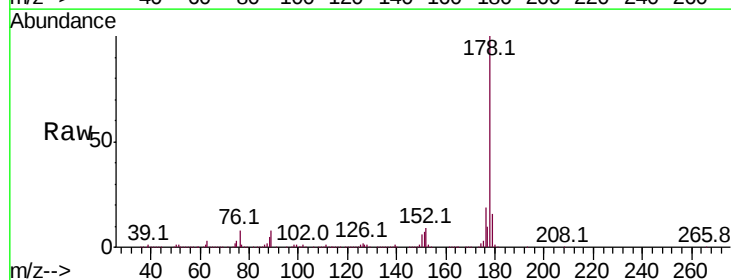
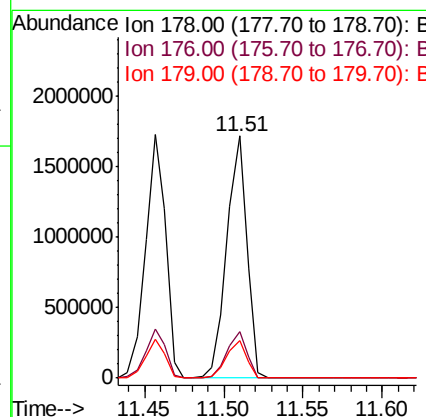
Manual Integrations
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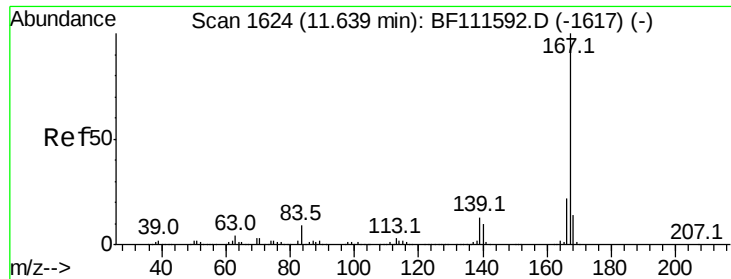
Sohil
1/2/2019 2:51:31 PM



#72
Anthracene
Concen: 48.006 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion:178 Resp: 1517170
Ion Ratio Lower Upper
178 100
176 19.3 17.2 25.8
179 15.8 13.8 20.8





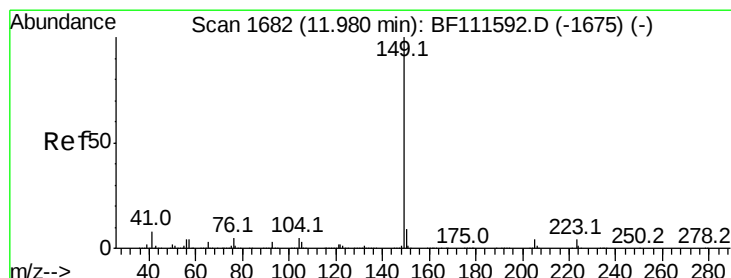
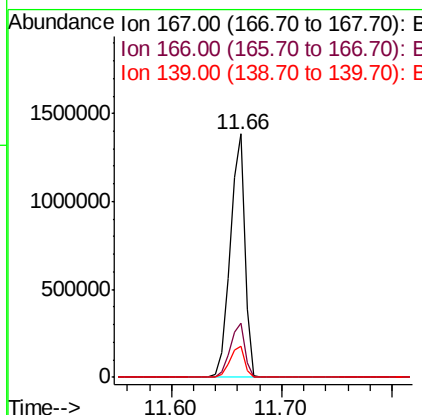
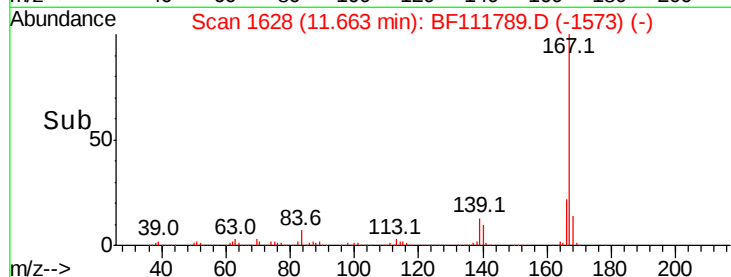
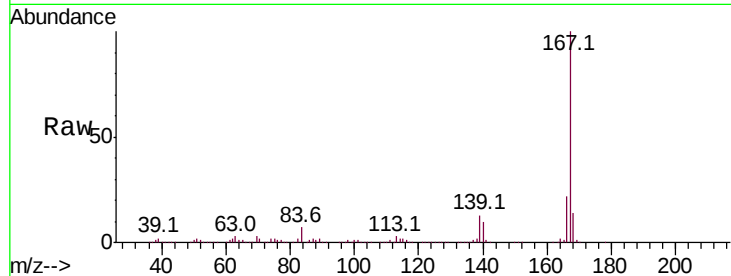
#73
 Carbazole
 Concen: 42.159 ng
 RT: 11.66 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampled :
 TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	19.3	28.9
139	12.9	11.9	17.9

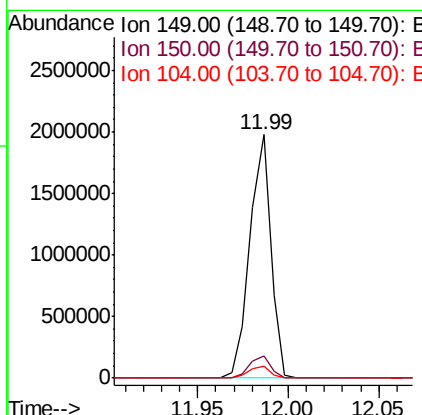
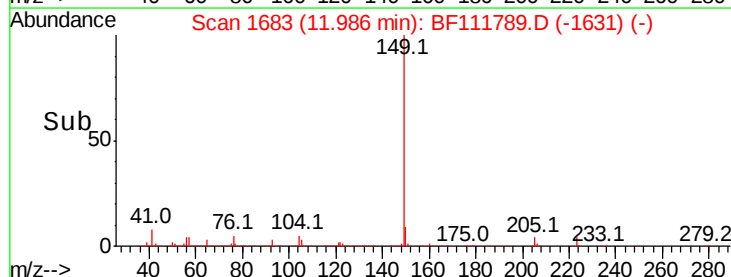
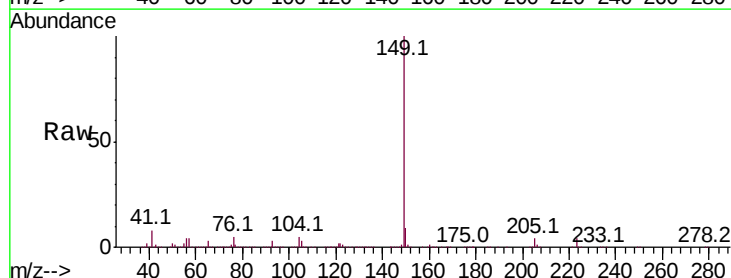
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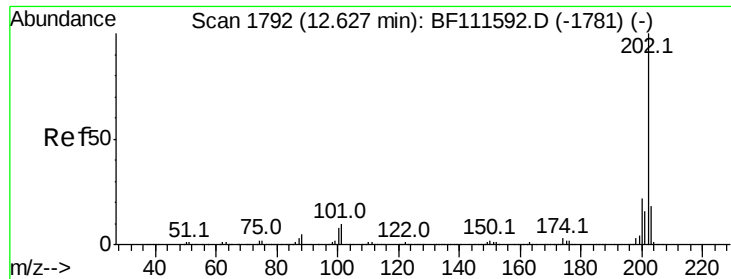
Sohil
 1/2/2019 2:51:31 PM



#74
 Di-n-butylphthalate
 Concen: 46.597 ng
 RT: 11.99 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	8.8	13.2
104	5.1	4.5	6.7





#75

Fluoranthene

Concen: 45.841 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

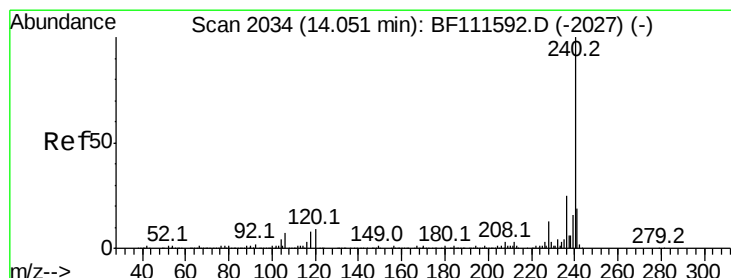
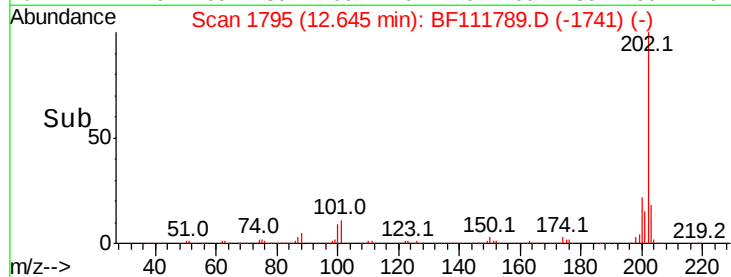
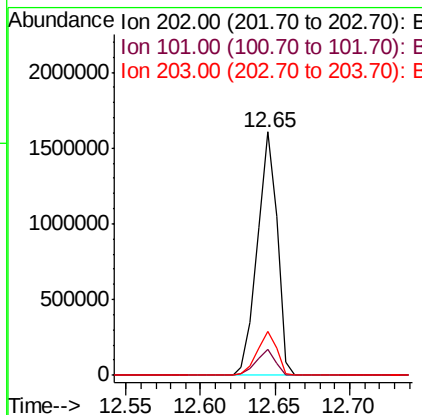
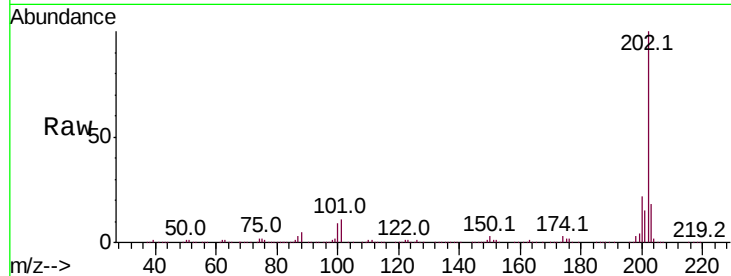
ClientSampleId :

TN-122618-CMSD

Tot Ion:	202	Resp:	1461603
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.8
203	17.9	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

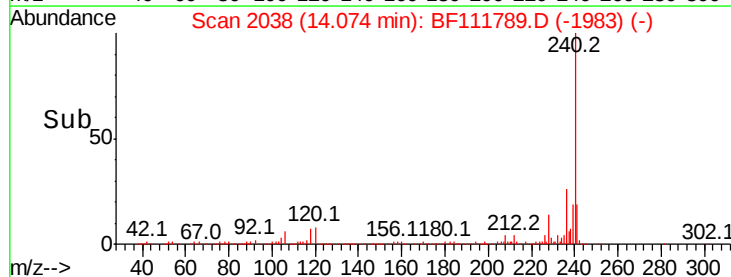
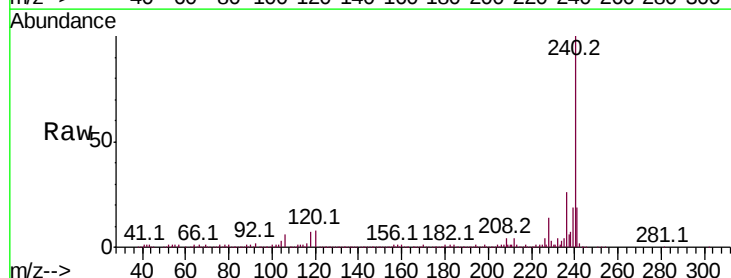
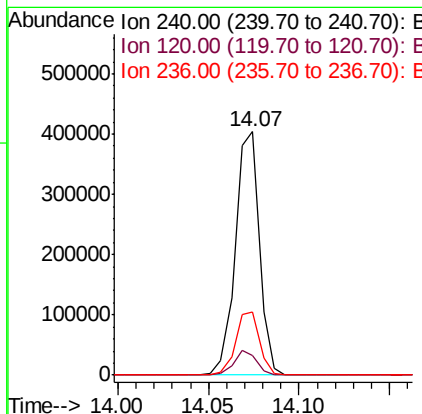
RT: 14.07 min Scan# 2038

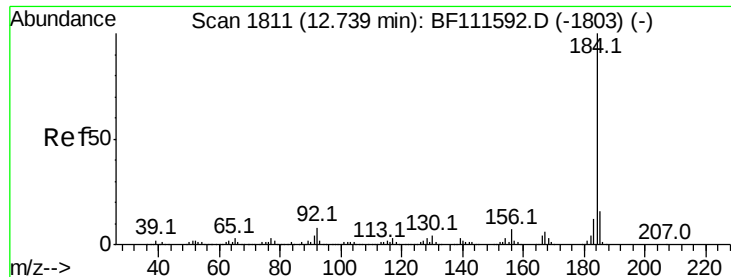
Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	240	Resp:	372745
Ion	Ratio	Lower	Upper
240	100		
120	8.3	12.2	18.2#
236	26.0	20.2	30.2





#77

Benzidine

Concen: 17.204 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

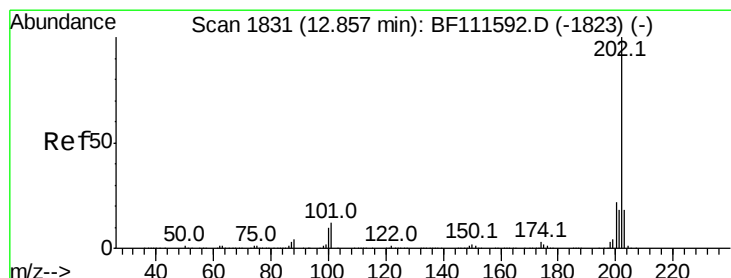
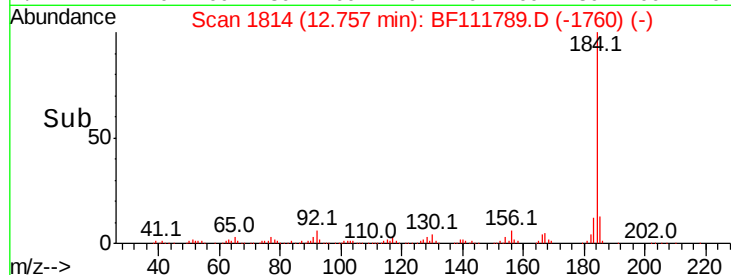
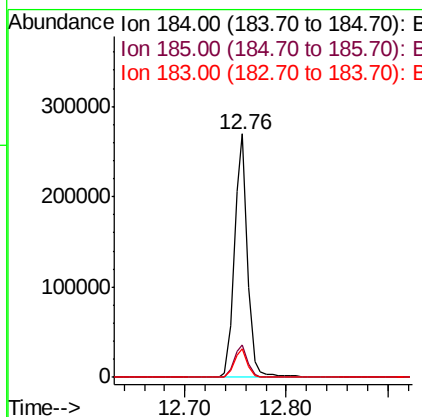
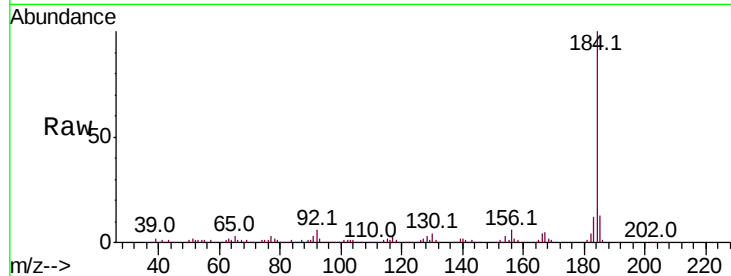
ClientSampleId :

TN-122618-CMSD

Tot Ion:	184	Resp:	241303
Ion Ratio	Lower	Upper	
184	100		
185	13.4	13.0	19.6
183	11.5	9.3	13.9

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#78

Pyrene

Concen: 53.747 ng

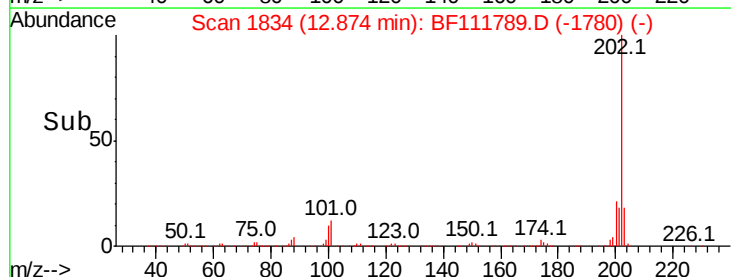
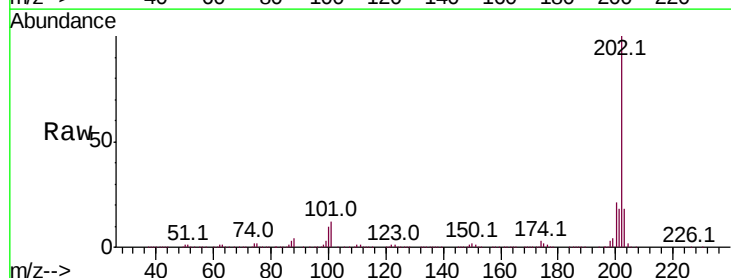
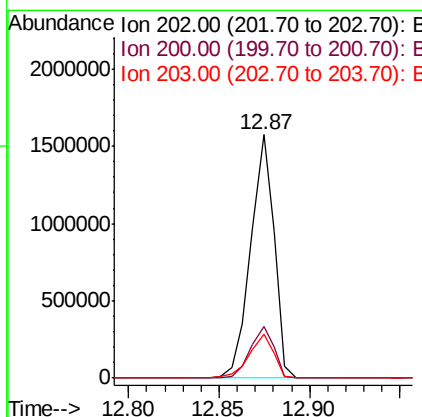
RT: 12.87 min Scan# 1834

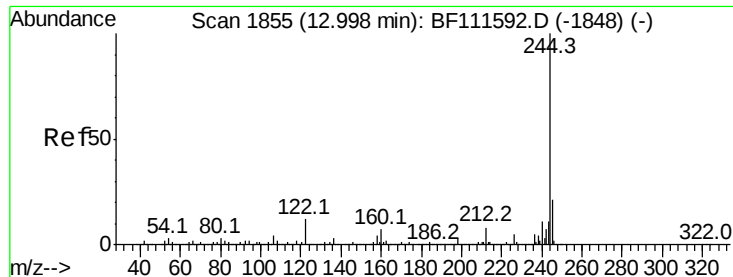
Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	202	Resp:	1414741
Ion Ratio	Lower	Upper	
202	100		
200	21.4	19.0	28.4
203	18.0	15.2	22.8





#79

Terphenyl-d14

Concen: 97.747 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Instrument :

BNA_F

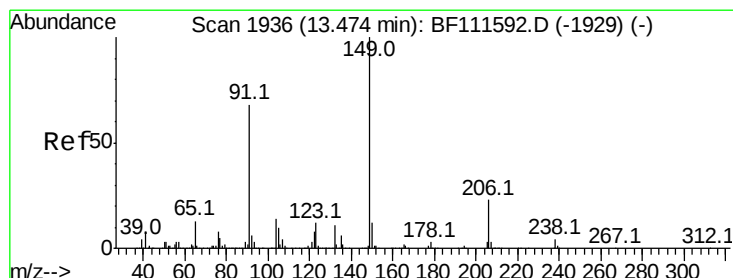
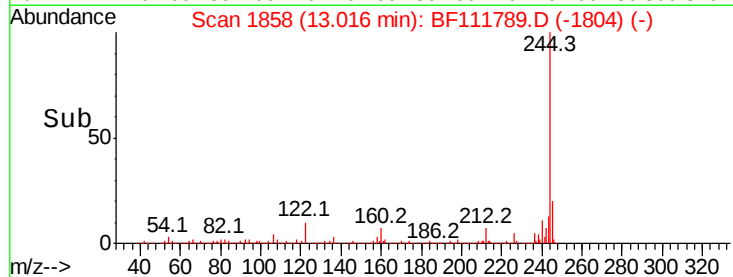
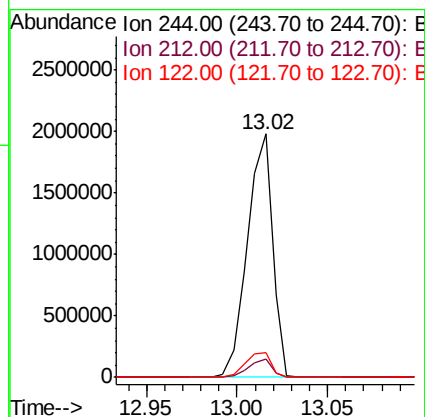
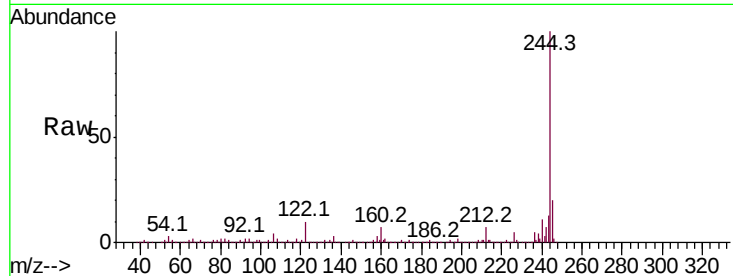
ClientSampleId :

TN-122618-CMSD

Tot Ion:	244	Resp:	1921234
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.7	8.5
122	10.3	13.1	19.7

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#80

Butylbenzylphthalate

Concen: 52.285 ng

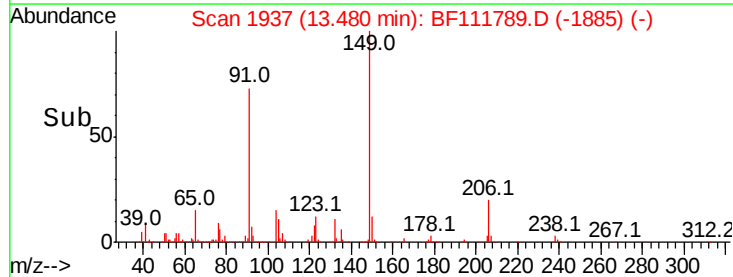
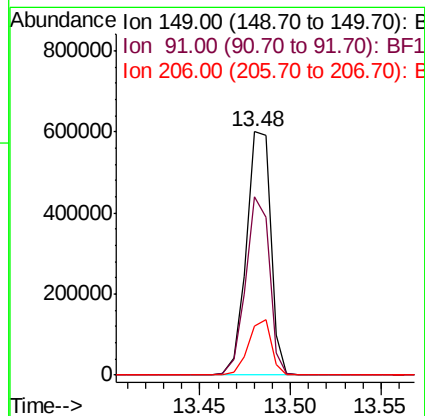
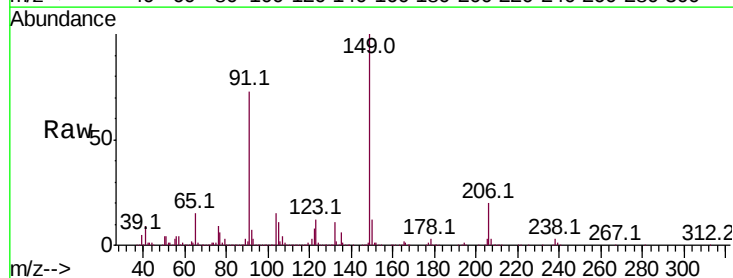
RT: 13.48 min Scan# 1937

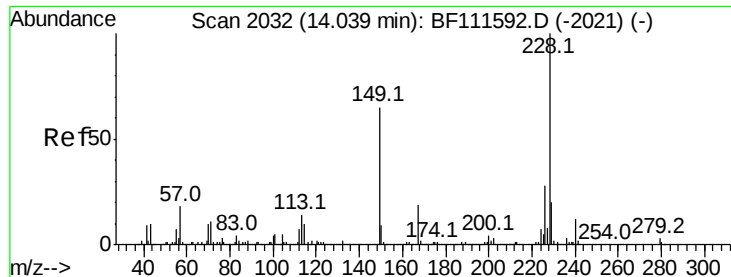
Delta R.T. 0.01 min

Lab File: BF111789.D

Acq: 28 Dec 2018 15:30

Tgt Ion:	149	Resp:	560999
Ion Ratio	Lower	Upper	
149	100		
91	73.1	63.8	95.6
206	20.1	15.1	22.7





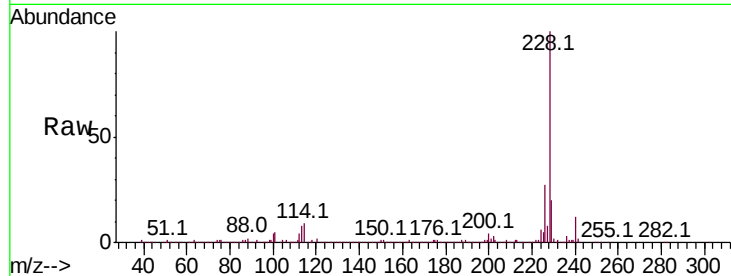
#81
Benzo(a)anthracene
Concen: 50.804 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

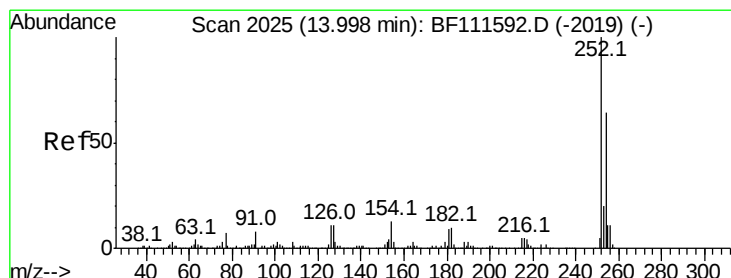
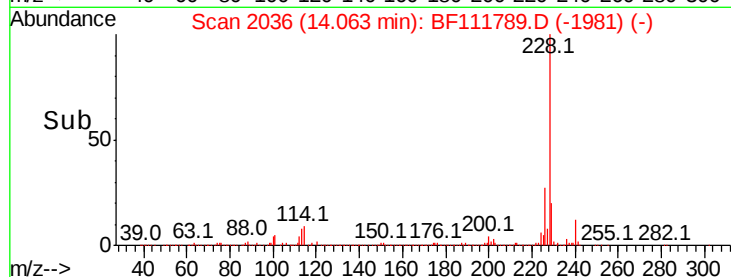
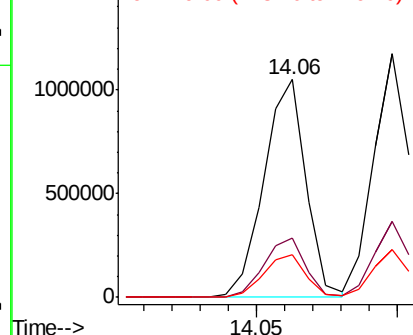
Tot Ion:228 Resp: 1080715
Ion Ratio Lower Upper
228 100
226 27.4 22.6 34.0
229 19.6 16.3 24.5

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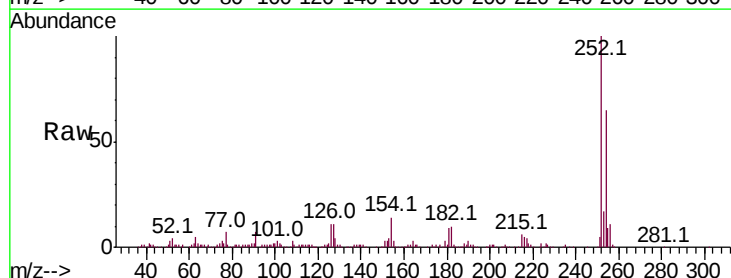


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

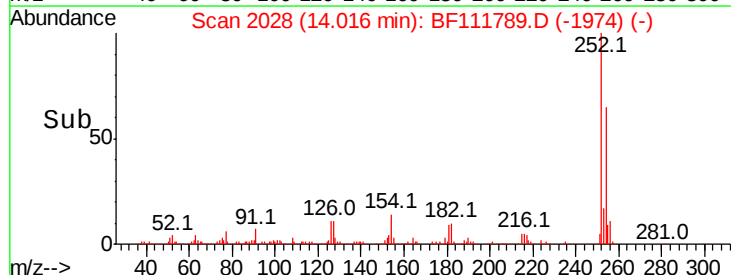
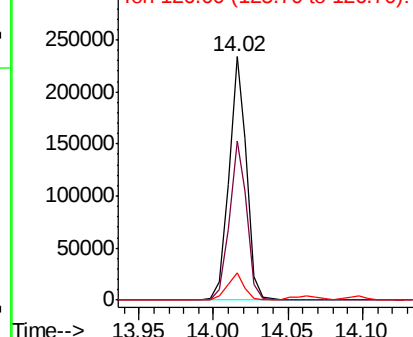


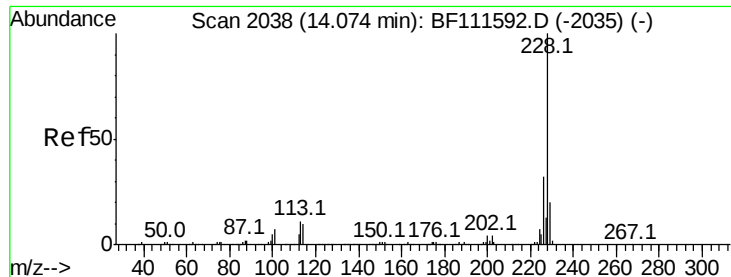
#82
3,3'-Dichlorobenzidine
Concen: 22.982 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion:252 Resp: 193165
Ion Ratio Lower Upper
252 100
254 65.2 52.7 79.1
126 11.1 11.1 16.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





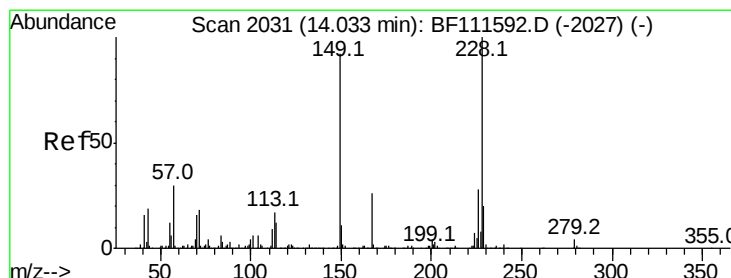
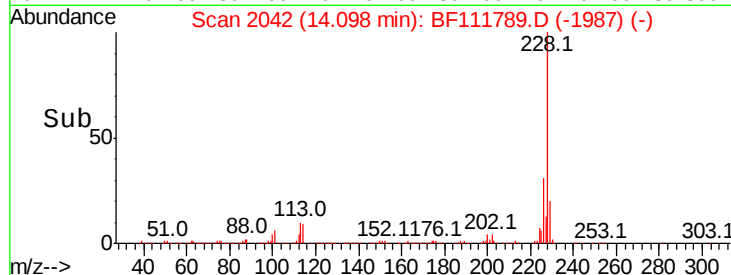
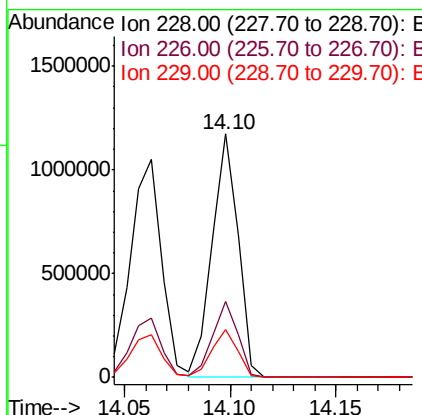
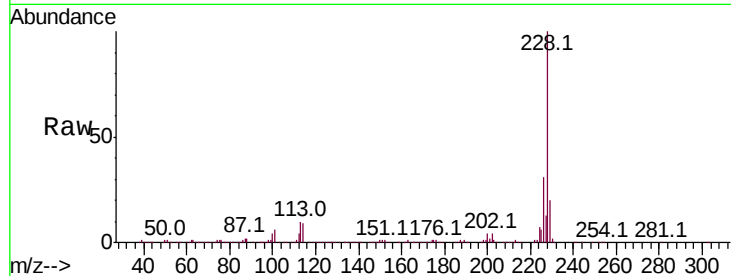
#83
 Chrvsene
 Concen: 48.266 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. 0.02 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :
 TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.3	37.9
229	19.8	17.2	25.8

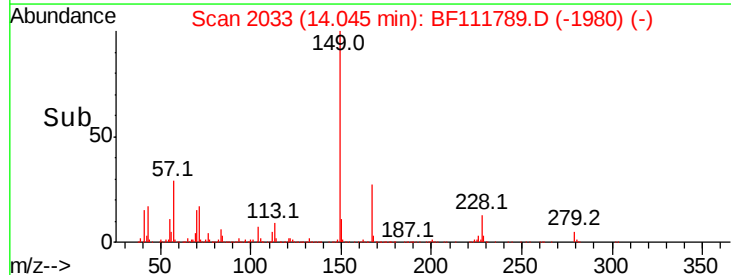
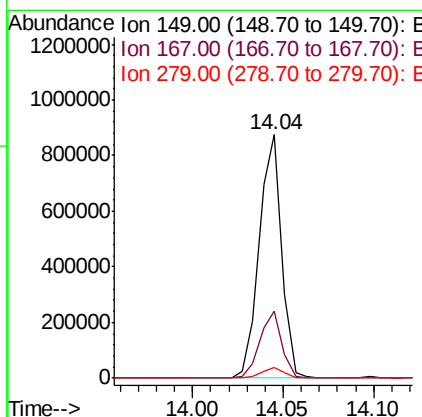
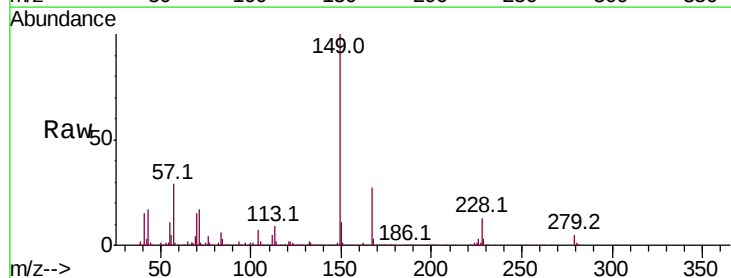
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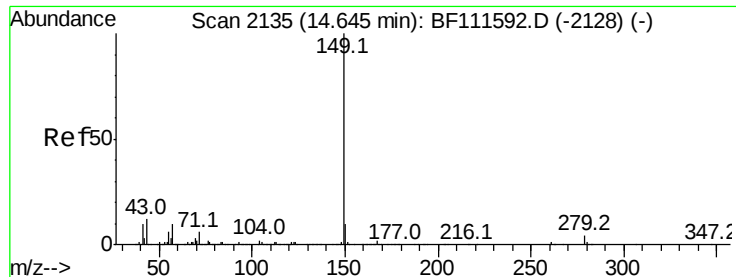
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 55.527 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF111789.D
 Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	4.6	2.6	4.0#





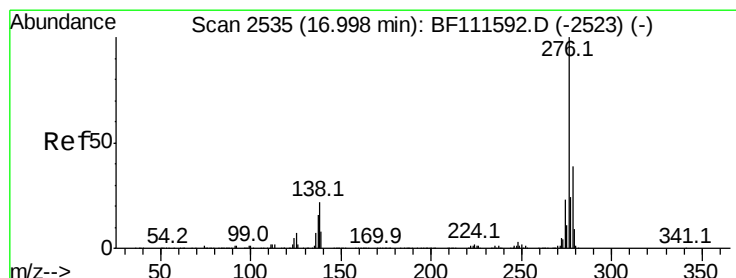
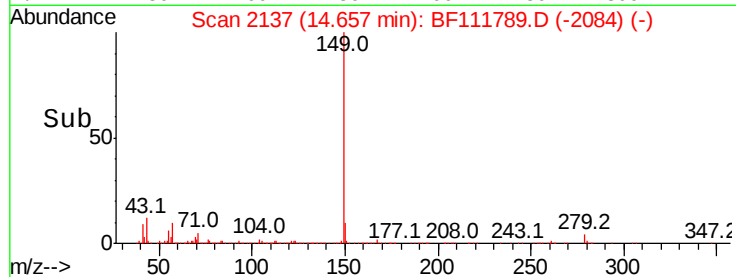
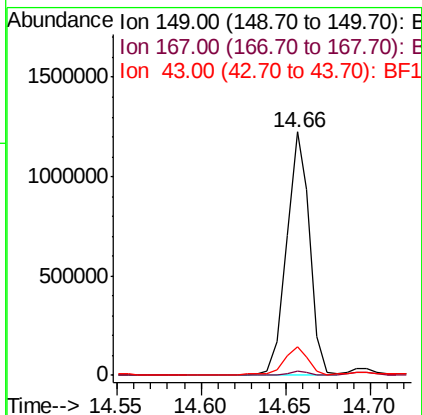
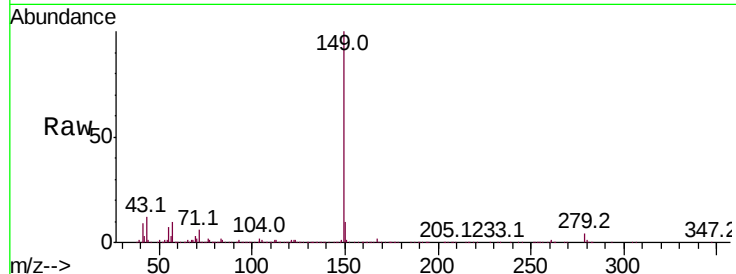
#85
Di-n-octyl phthalate
Concen: 55.070 ng
RT: 14.66 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.4	10.9	16.3

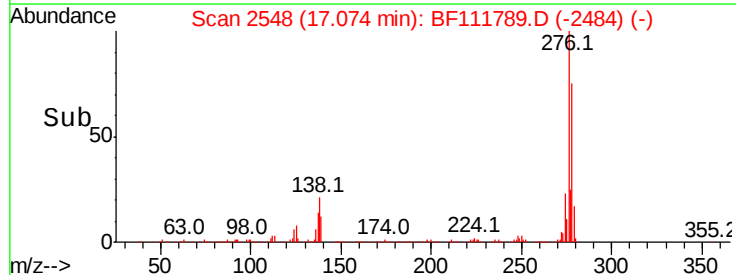
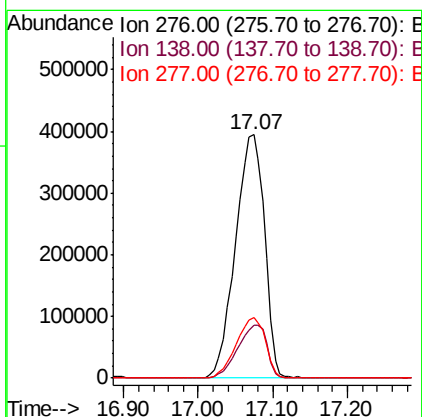
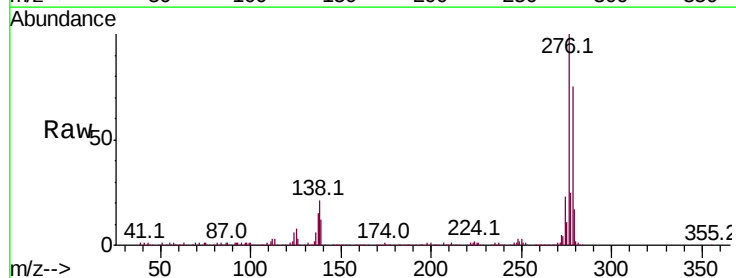
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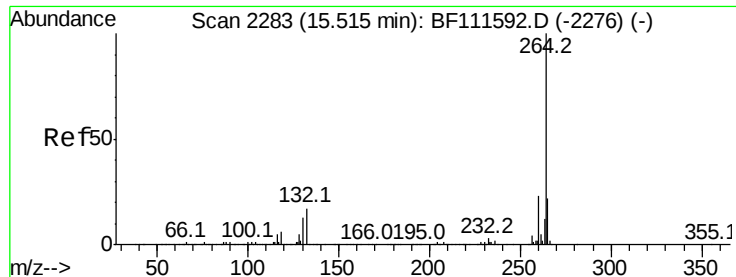
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#86
Indeno(1,2,3-cd)pyrene
Concen: 60.134 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.08 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	27.8	41.6#
277	25.0	20.1	30.1





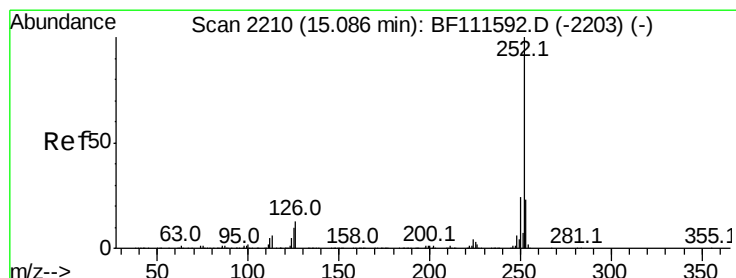
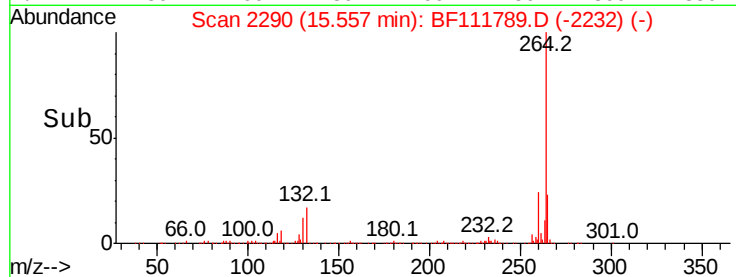
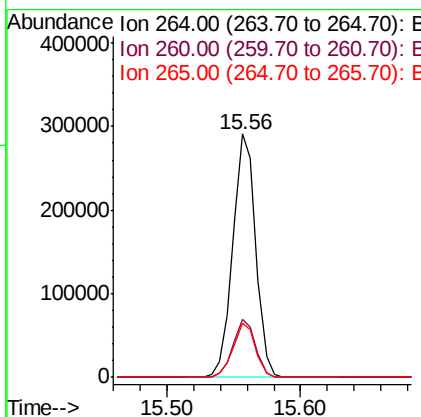
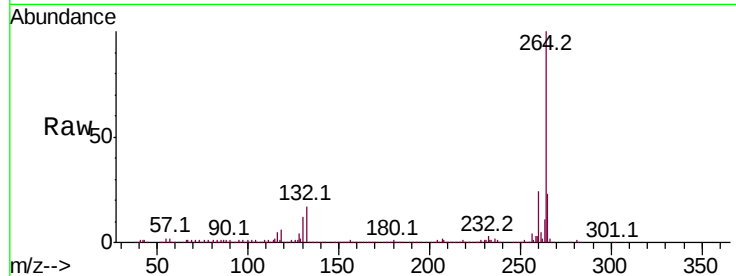
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.04 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.5	17.7	26.5

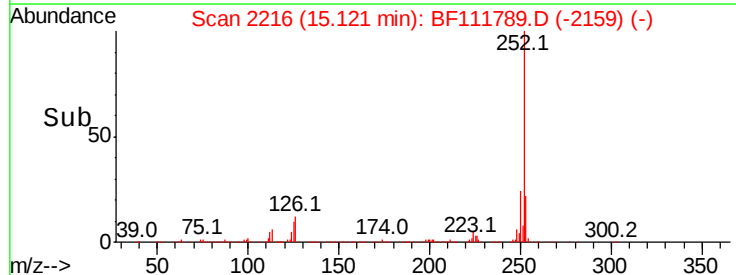
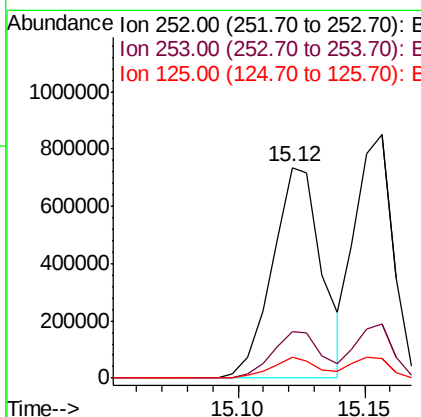
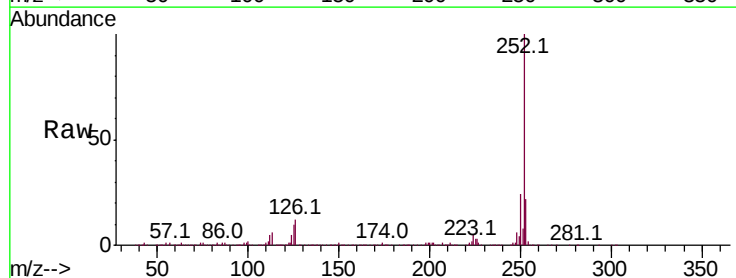
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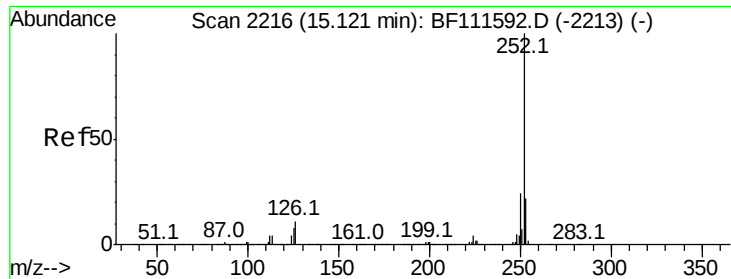
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#88
Benzo(b)fluoranthene
Concen: 49.130 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	9.7	10.4	15.6#





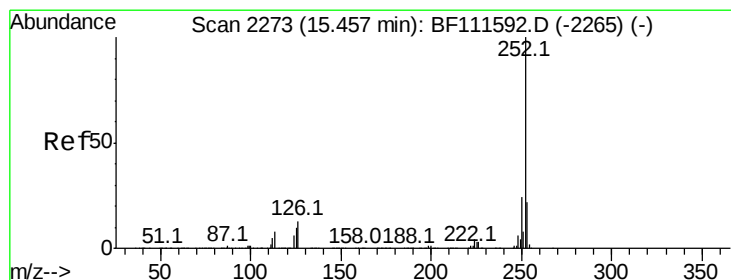
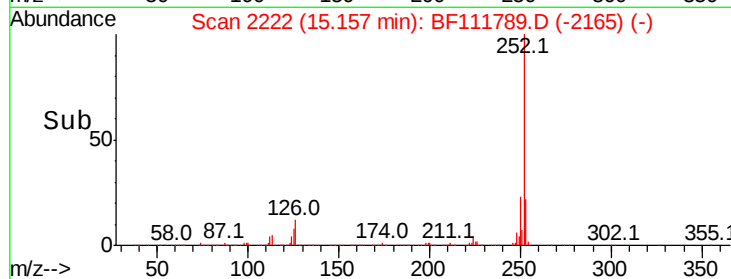
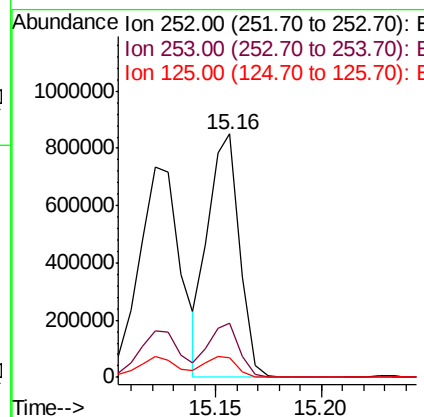
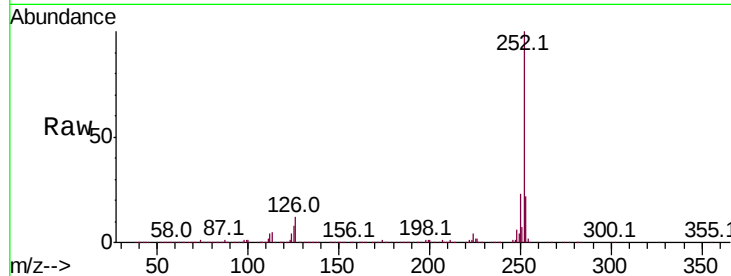
#89
Benzo(k)fluoranthene
Concen: 45.270 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.04 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	8.1	9.8	14.8

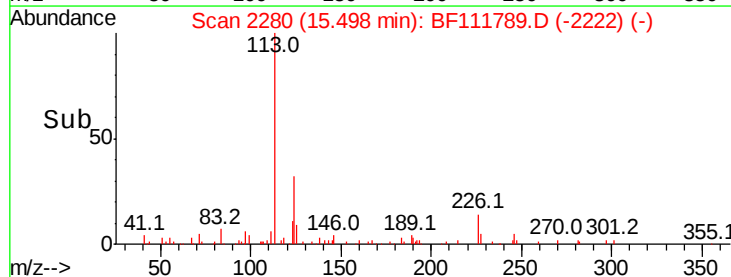
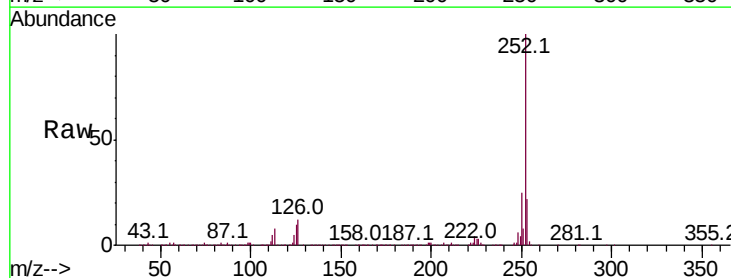
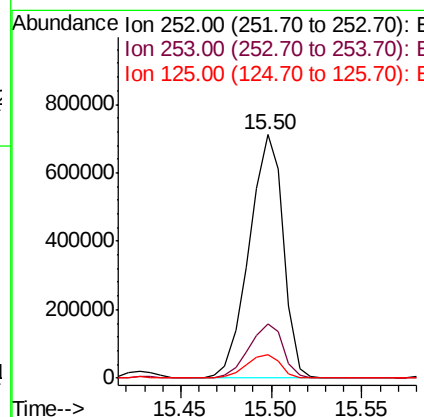
Manual Integrations
APPROVED

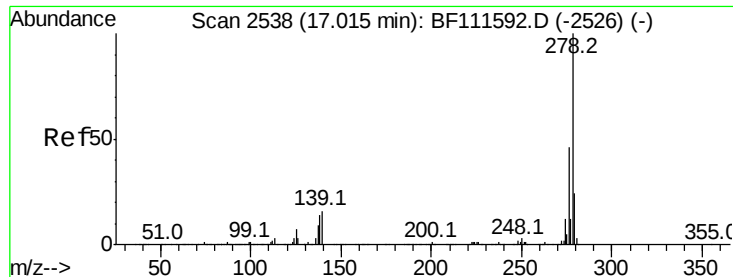
Sohil
1/2/2019 2:51:31 PM



#90
Benzo(a)pyrene
Concen: 49.944 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.8	12.3	18.5





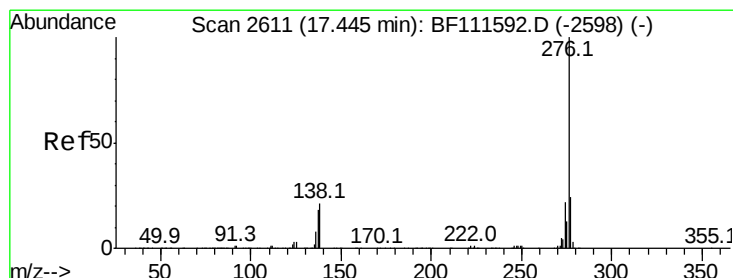
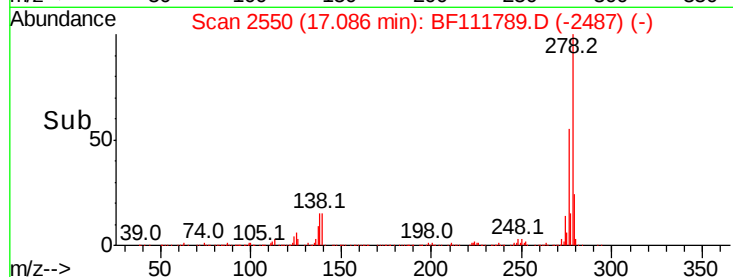
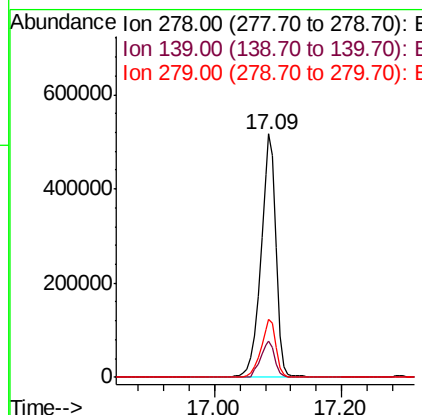
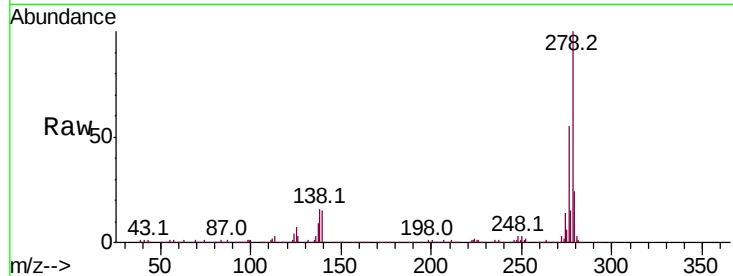
#91
Dibenzo(a,h)anthracene
Concen: 53.578 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.07 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Instrument :
BNA_F
ClientSampleId :
TN-122618-CMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	18.2	27.4#
279	24.0	19.0	28.6

Manual Integrations
APPROVED

Sohil
1/2/2019 2:51:31 PM



#92
Benzo(g,h,i)perylene
Concen: 54.885 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.08 min
Lab File: BF111789.D
Acq: 28 Dec 2018 15:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	19.6	24.9	37.3#

