

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
 Data File : BF115913.D
 Acq On : 1 Aug 2019 18:22
 Operator : HP/JU
 Sample : K3618-10MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Manual Integrations
 APPROVED

mohammad
 8/5/2019 1:48:08 PM

Quant Time: Aug 02 06:31:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	135142	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514809	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	267645	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	424749	20.00	ng	0.00
76) Chrysene-d12	14.03	240	275086	20.00	ng	0.00
87) Perylene-d12	15.49	264	347431	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	949046	117.56	ng	0.02
7) Phenol-d6	6.49	99	1167086	114.59	ng	0.00
23) Nitrobenzene-d5	7.42	82	840805	94.28	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	319546	123.14	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1375200	96.24	ng	0.00
79) Terphenyl-d14	12.96	244	1220151	93.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.79	88	151879	37.241	ng	# 85
3) Pyridine	3.50	79	237860	20.879	ng	99
4) n-Nitrosodimethylamine	3.43	42	183435	40.801	ng	100
6) Aniline	6.52	93	96455	6.613	ng	# 81
8) 2-Chlorophenol	6.65	128	387122	43.366	ng	100
9) Benzaldehyde	6.40	77	170990	24.331	ng	100
10) Phenol	6.51	94	434439	36.221	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	383350	43.473	ng	97
12) 1,3-Dichlorobenzene	6.80	146	426979	41.387	ng	100
13) 1,4-Dichlorobenzene	6.87	146	434328	42.047	ng	98
14) 1,2-Dichlorobenzene	7.03	146	400562	42.113	ng	99
15) Benzyl Alcohol	7.00	79	346917	44.882	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	502507	41.778	ng	94
17) 2-Methylphenol	7.11	107	324058	42.872	ng	99
18) Hexachloroethane	7.36	117	154693	40.675	ng	94
19) n-Nitroso-di-n-propylamine	7.27	70	267492	42.382	ng	100
20) 3+4-Methylphenols	7.26	107	386686	43.230	ng	# 75
22) Acetophenone	7.26	105	539377	47.773	ng	99
24) Nitrobenzene	7.43	77	443965	46.102	ng	99
25) Isophorone	7.67	82	774962	45.442	ng	99
26) 2-Nitrophenol	7.75	139	213268	46.981	ng	100
27) 2,4-Dimethylphenol	7.79	122	347411	50.869	ng	100
28) bis(2-Chloroethoxy)methane	7.88	93	472283	44.681	ng	99
29) 2,4-Dichlorophenol	8.00	162	338483	46.940	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	364766	44.376	ng	99
31) Naphthalene	8.16	128	1139551	47.039	ng	100
32) Benzoic acid	7.93	122	171335	35.584	ng	97
33) 4-Chloroaniline	8.21	127	49104	4.536	ng	99
34) Hexachlorobutadiene	8.27	225	202826	42.839	ng	99
35) Caprolactam	8.58	113	80119m	34.353	ng	
36) 4-Chloro-3-methylphenol	8.70	107	344310	45.897	ng	97
37) 2-Methylnaphthalene	8.85	142	753873	47.251	ng	98
38) 1-Methylnaphthalene	8.95	142	707453	46.870	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	335913	46.946	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	137206	45.474	nq	99
43) 2,4,6-Trichlorophenol	9.13	196	225658	45.818	nq	98
44) 2,4,5-Trichlorophenol	9.18	196	235752	46.307	nq	99
46) 1,1'-Biphenyl	9.32	154	896823	47.462	nq	100
47) 2-Chloronaphthalene	9.35	162	715215	45.478	nq	99
48) 2-Nitroaniline	9.44	65	223587	43.012	nq	95
49) Acenaphthylene	9.76	152	1076030	46.898	nq	99
50) Dimethylphthalate	9.62	163	859026	47.138	nq	100
51) 2,6-Dinitrotoluene	9.68	165	178987	45.195	nq	96
52) Acenaphthene	9.93	154	640787	45.524	nq	99
53) 3-Nitroaniline	9.85	138	66971	13.686	nq	88
54) 2,4-Dinitrophenol	9.96	184	109078	56.677	nq	97
55) Dibenzofuran	10.10	168	937186	45.784	nq	98
56) 4-Nitrophenol	10.02	139	255507	81.508	nq	97
57) 2,4-Dinitrotoluene	10.09	165	230923	43.795	nq	90
58) Fluorene	10.45	166	720776	45.767	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	191610	44.736	nq	98
60) Diethylphthalate	10.32	149	748579	43.998	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	356337	44.676	nq	100
62) 4-Nitroaniline	10.46	138	180321	35.657	nq	98
63) Azobenzene	10.59	77	768095	43.891	nq	100
65) 4,6-Dinitro-2-methylphenol	10.50	198	81208	36.078	nq	89
66) n-Nitrosodiphenylamine	10.55	169	634308	49.615	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	213961	47.056	nq	99
68) Hexachlorobenzene	11.00	284	229180	43.589	nq	98
69) Atrazine	11.08	200	184869	43.955	nq	99
70) Pentachlorophenol	11.19	266	227590	89.158	nq	98
71) Phenanthrene	11.41	178	991307	45.653	nq	100
72) Anthracene	11.46	178	1016878	46.273	nq	100
73) Carbazole	11.61	167	883796	44.329	nq	99
74) Di-n-butylphthalate	11.94	149	1077699	46.337	nq	100
75) Fluoranthene	12.60	202	900408	39.609	nq	99
77) Benzidine	12.72	184	45842	4.933	nq	96
78) Pyrene	12.83	202	882906	42.578	nq	100
80) Butylbenzylphthalate	13.43	149	370477	42.236	nq	96
81) Benzo(a)anthracene	14.02	228	764157	43.461	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	175412	28.716	nq	# 98
83) Chrysene	14.05	228	761135	44.589	nq	100
84) Bis(2-ethylhexyl)phthalate	14.00	149	486008	42.637	nq	100
85) Di-n-octyl phthalate	14.60	149	821868	45.394	nq	100
86) Indeno(1,2,3-cd)pyrene	16.98	276	801835	55.928	nq	99
88) Benzo(b)fluoranthene	15.07	252	846743	42.150	nq	98
89) Benzo(k)fluoranthene	15.10	252	810883	41.442	nq	98
90) Benzo(a)pyrene	15.43	252	811740	45.202	nq	99
91) Dibenzo(a,h)anthracene	16.99	278	687553	44.231	nq	98
92) Benzo(g,h,i)perylene	17.42	276	620349	40.636	nq	98

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

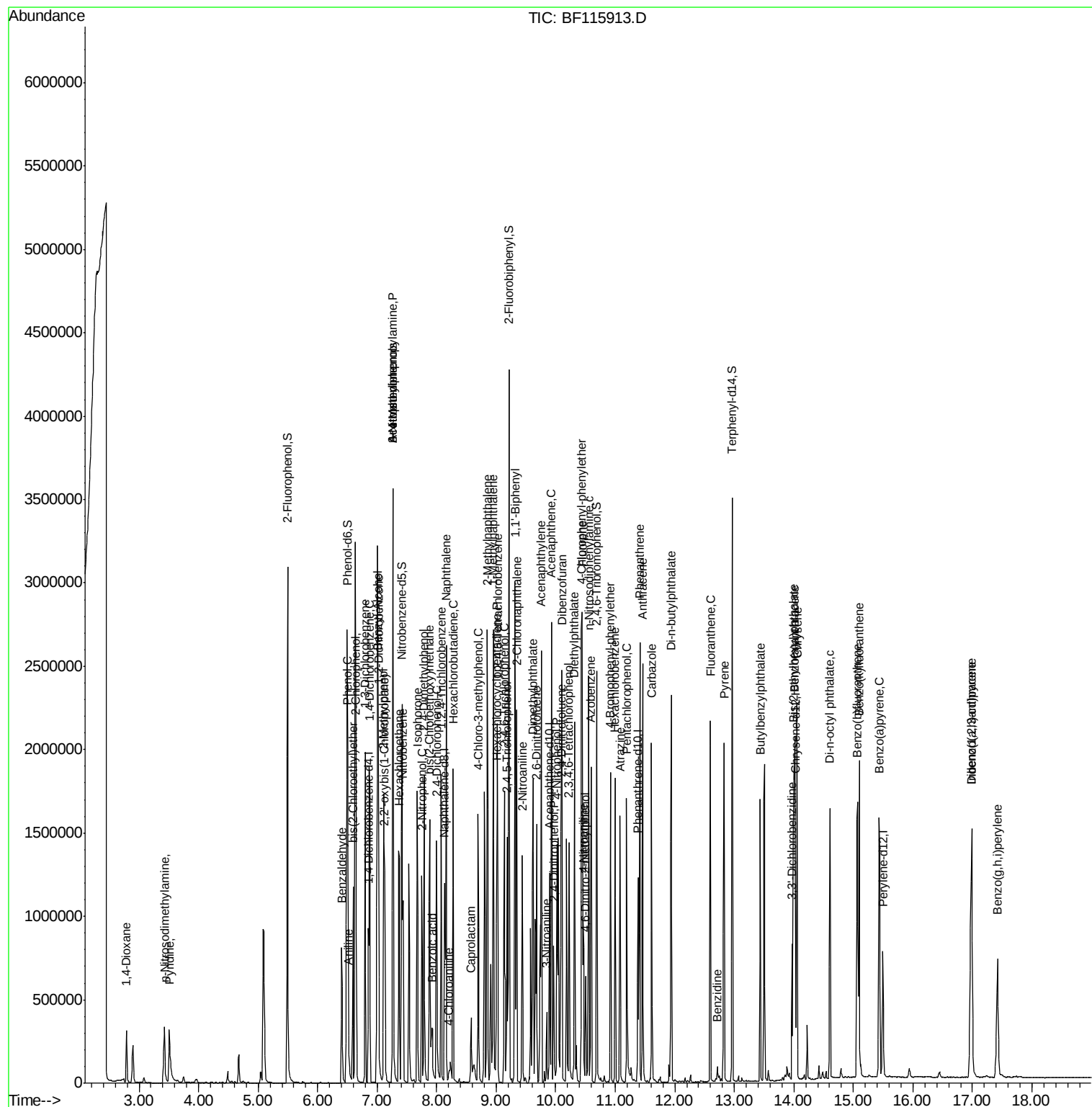
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

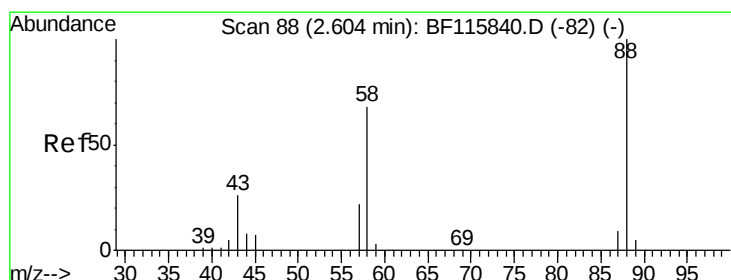
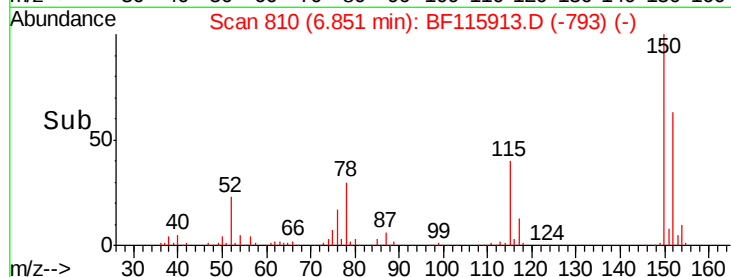
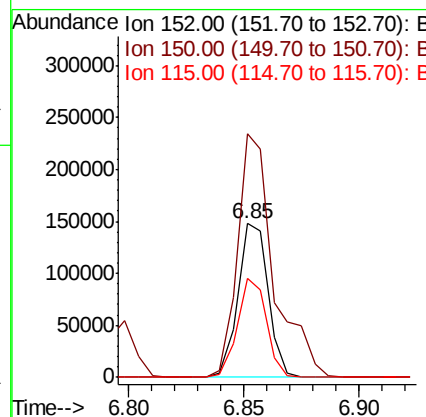
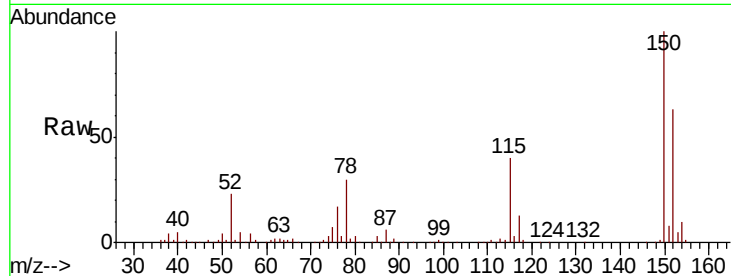
ClientSampleId :

HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.4	191.0
115	64.0	51.8	77.8

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#2

1,4-Dioxane

Concen: 37.241 ng

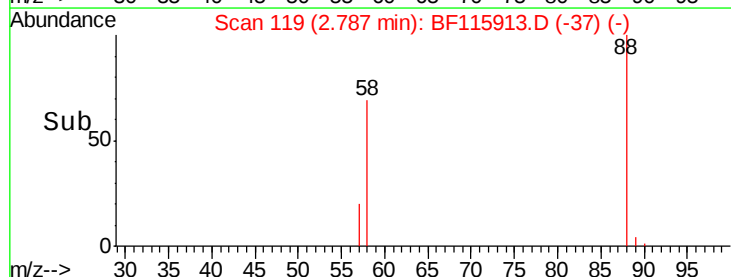
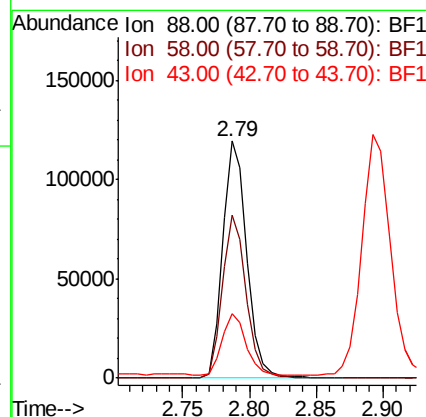
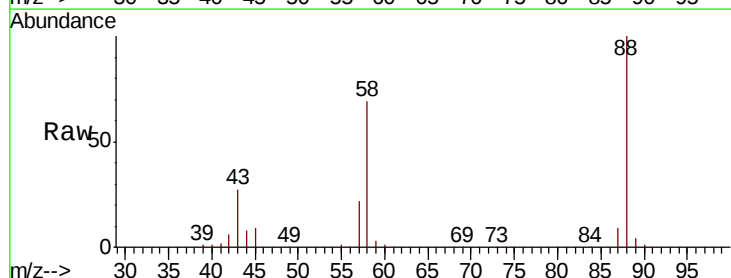
RT: 2.79 min Scan# 119

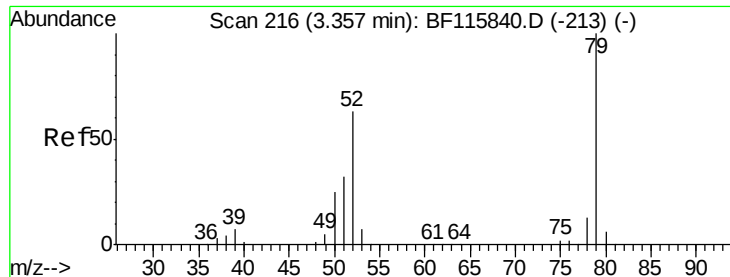
Delta R.T. 0.18 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	0.0	20.7	31.1#





#3

Pvridine

Concen: 20.879 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.15 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

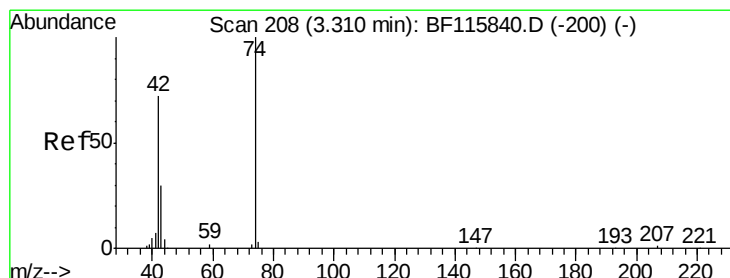
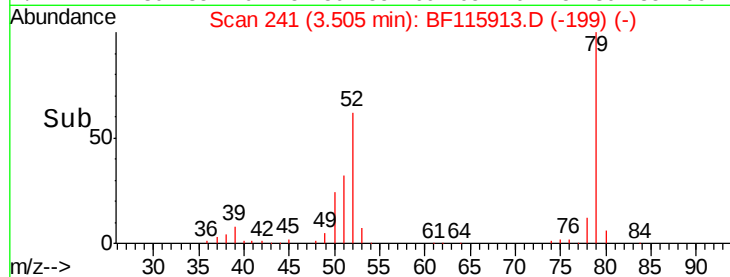
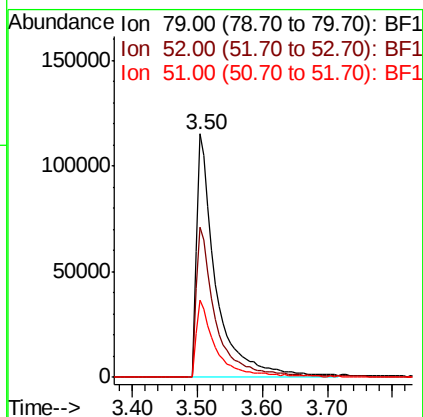
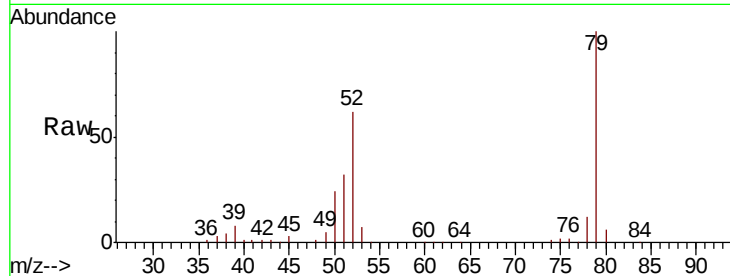
ClientSampleId :

HD-01-073019MS

Tot Ion:	79	Resp:	237860
Ion	Ratio	Lower	Upper
79	100		
52	61.9	50.2	75.4
51	31.6	25.8	38.6

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#4

n-Nitrosodimethylamine

Concen: 40.801 ng

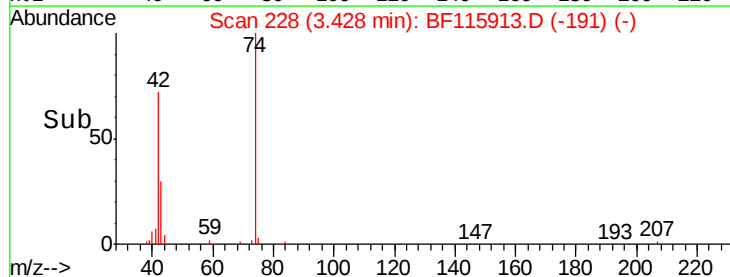
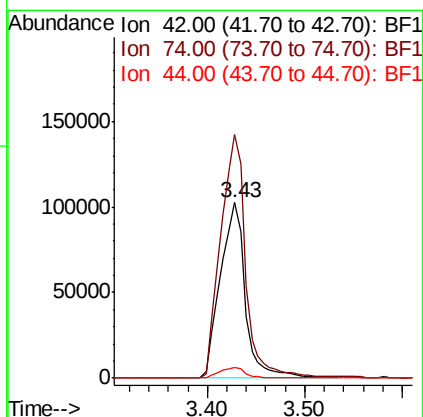
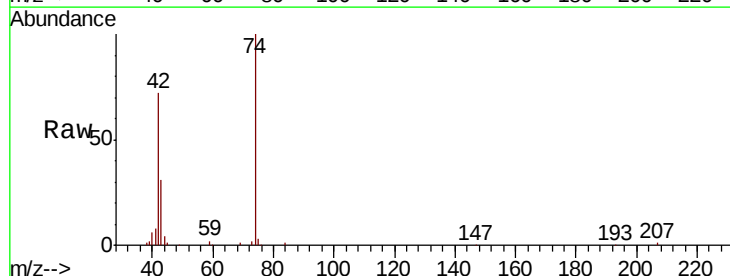
RT: 3.43 min Scan# 228

Delta R.T. 0.12 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion:	42	Resp:	183435
Ion	Ratio	Lower	Upper
42	100		
74	138.9	111.0	166.4
44	6.2	4.7	7.1





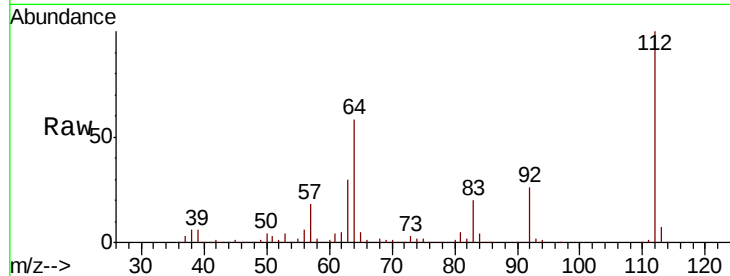
#5
2-Fluorophenol
Concen: 117.562 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.02 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
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ClientSampleId :
HD-01-073019MS

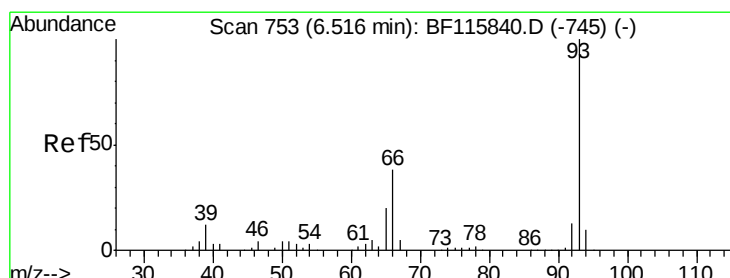
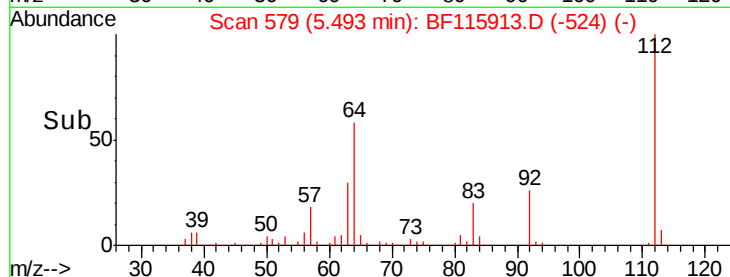
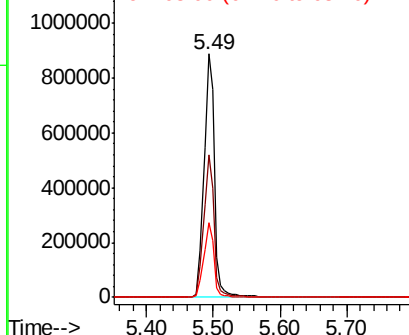
Tot Ion:	112	Resp:	949046
Ion Ratio	Lower	Upper	
112	100		
64	58.4	46.8	70.2
63	30.5	24.2	36.2

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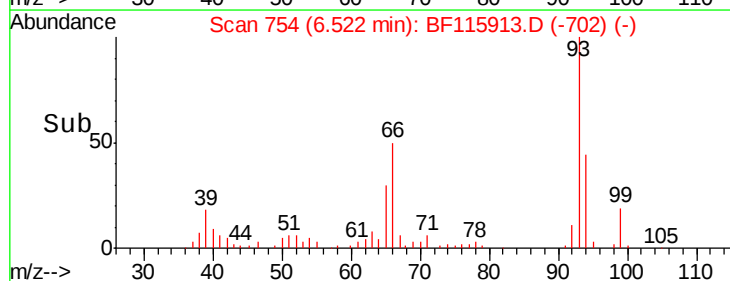
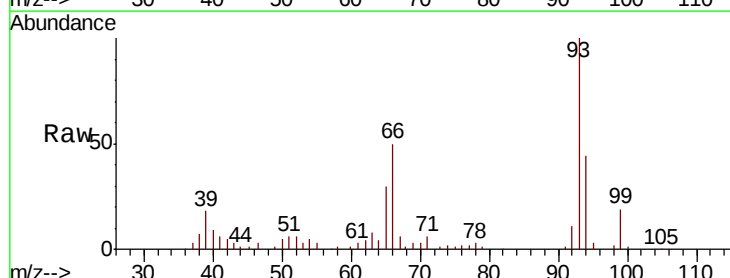
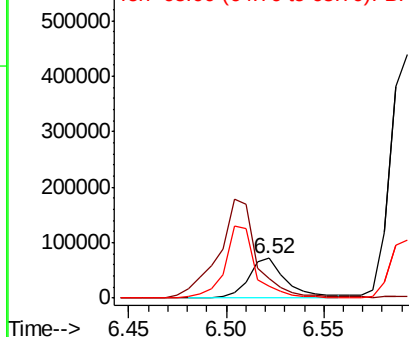
Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6
Aniline
Concen: 6.613 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion:	93	Resp:	96455
Ion Ratio	Lower	Upper	
93	100		
66	50.4	31.4	47.0#
65	29.6	16.5	24.7#

Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.587 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

ClientSampleId :

HD-01-073019MS

Tot Ion: 99 Resp: 1167086

Ion Ratio Lower Upper

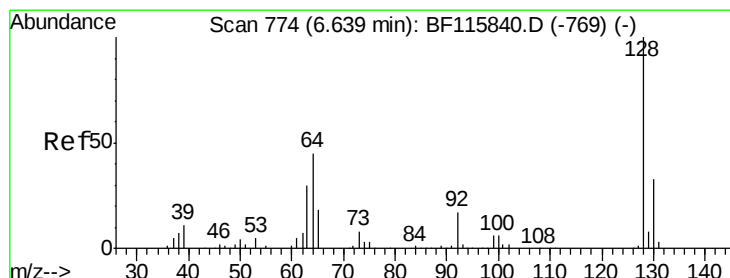
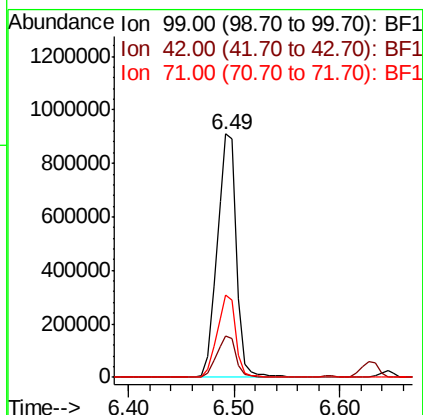
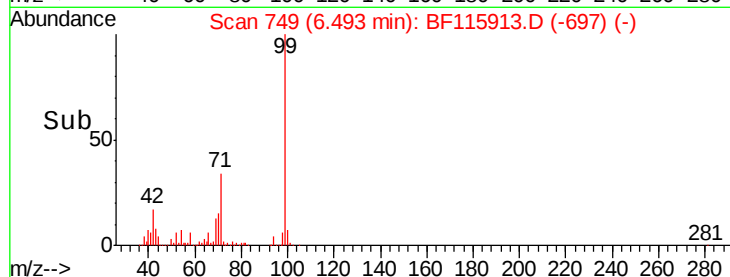
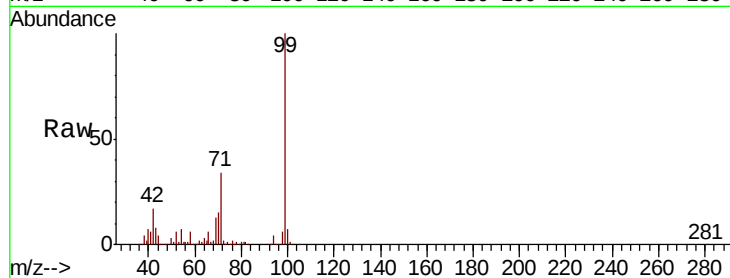
99 100

42 17.2 13.8 20.6

71 33.7 27.1 40.7

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#8

2-Chlorophenol

Concen: 43.366 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

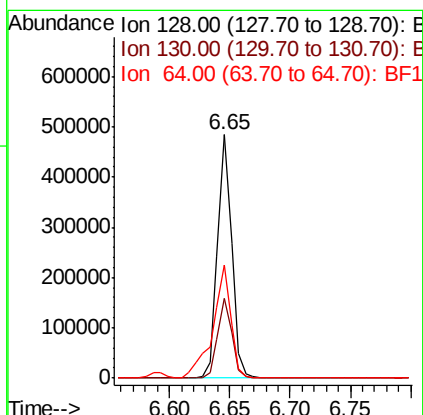
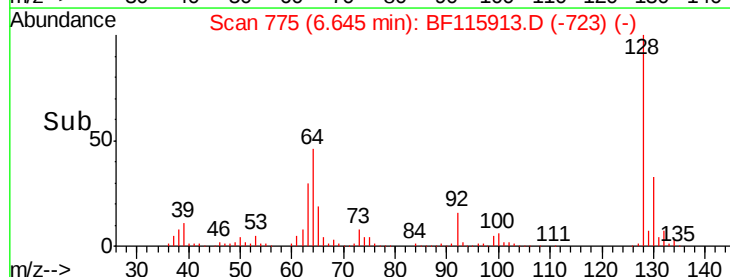
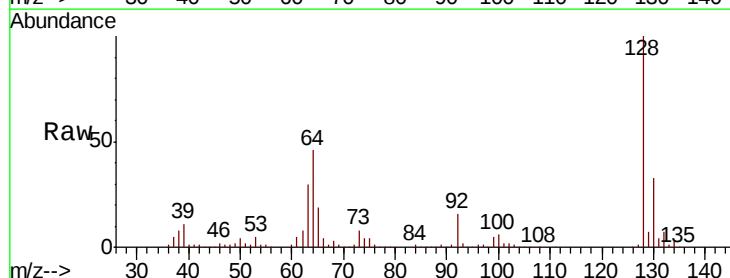
Tgt Ion: 128 Resp: 387122

Ion Ratio Lower Upper

128 100

130 32.8 12.9 52.9

64 46.2 26.1 66.1





#9

Benzaldehyde

Concen: 24.331 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

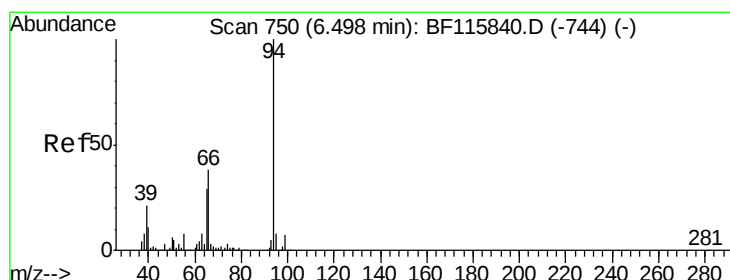
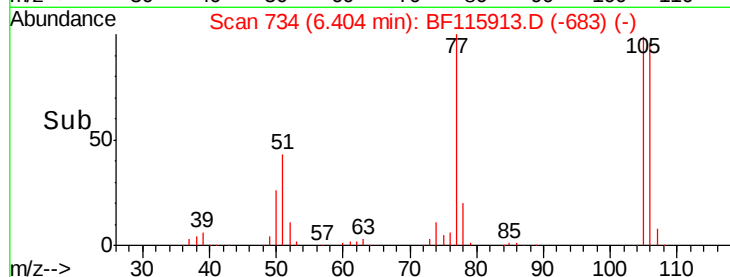
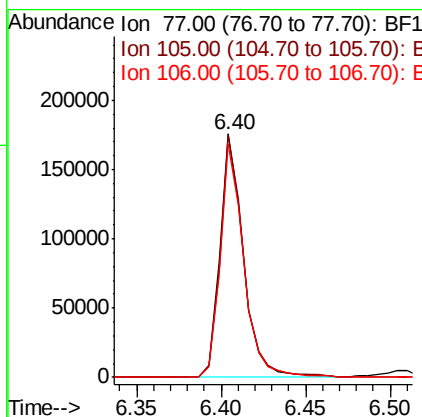
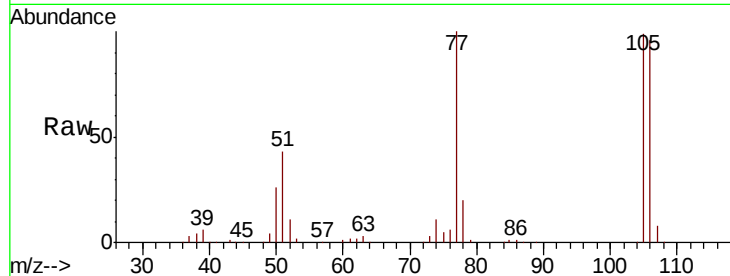
ClientSampleId :

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Tot Ion:	77	Resp:	170990
Ion	Ratio	Lower	Upper
77	100		
105	99.3	79.0	119.0
106	95.7	76.2	116.2

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#10

Phenol

Concen: 36.221 ng

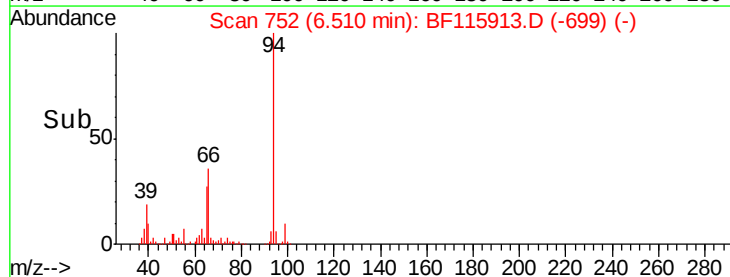
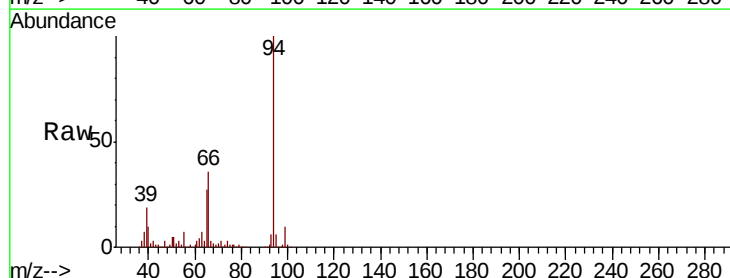
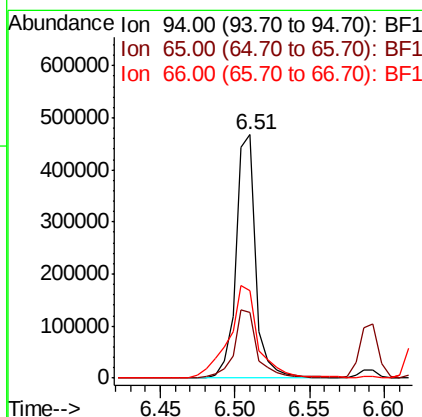
RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion:	94	Resp:	434439
Ion	Ratio	Lower	Upper
94	100		
65	27.0	8.9	48.9
66	36.0	18.0	58.0





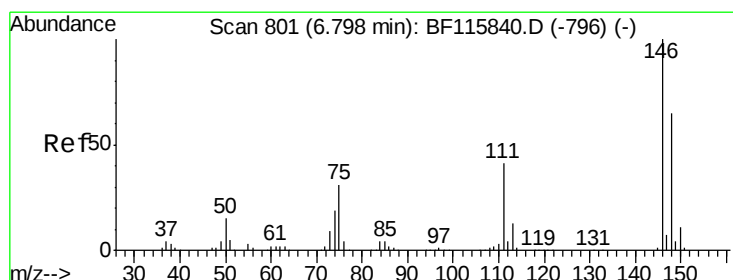
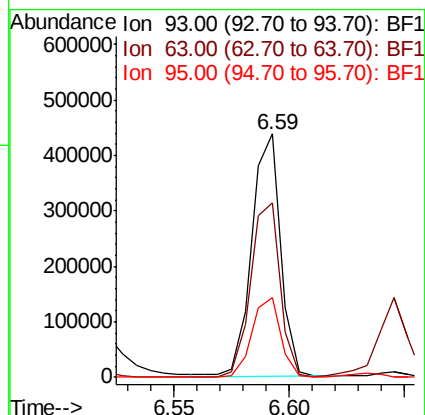
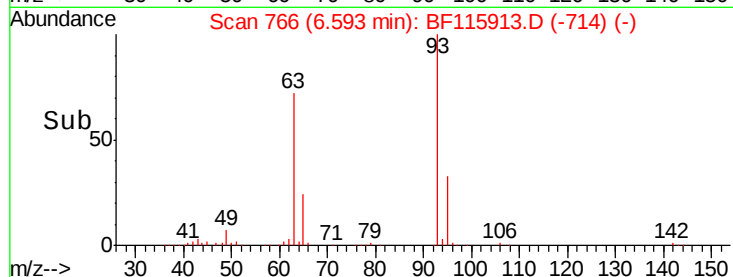
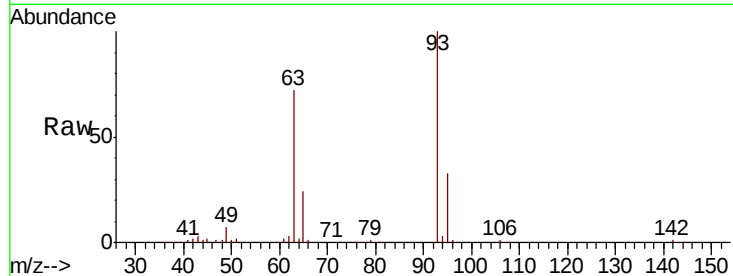
#11
bis(2-Chloroethyl)ether
Concen: 43.473 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	71.7	54.9	94.9	
95	32.8	13.3	53.3	

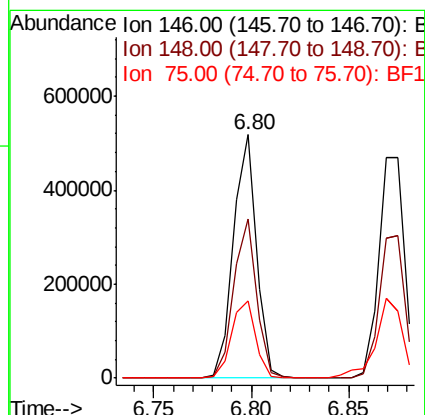
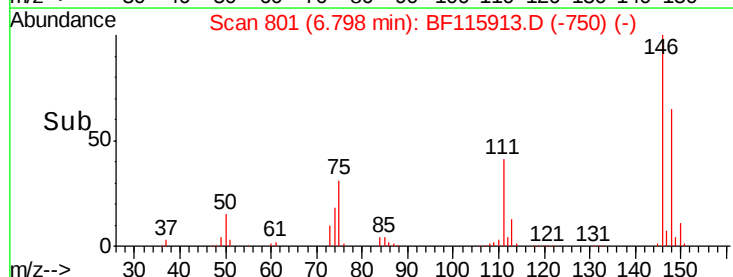
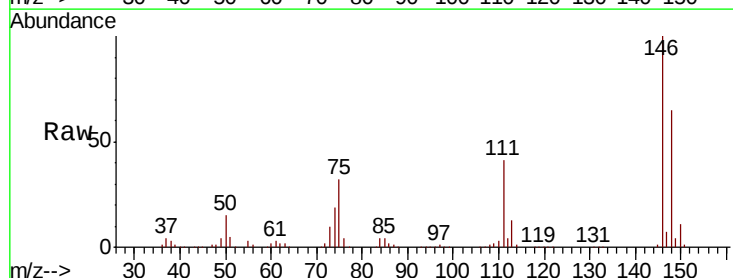
Manual Integrations
APPROVED

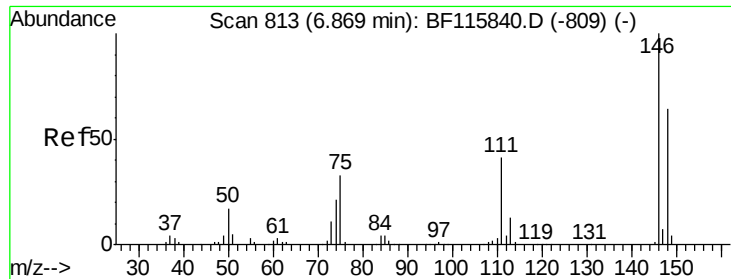
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.387 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	65.2	52.1	78.1	
75	31.5	25.0	37.6	





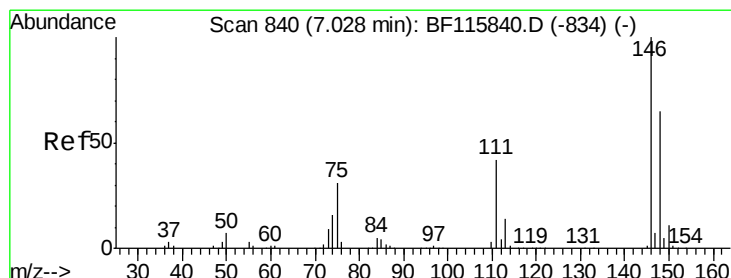
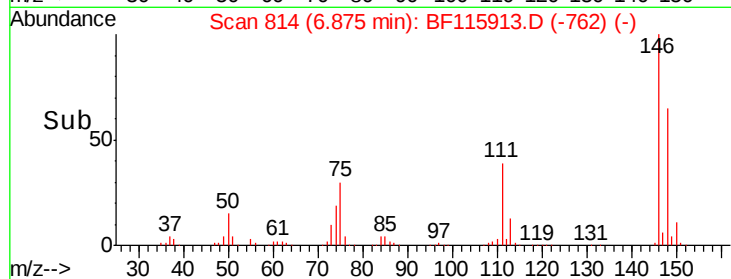
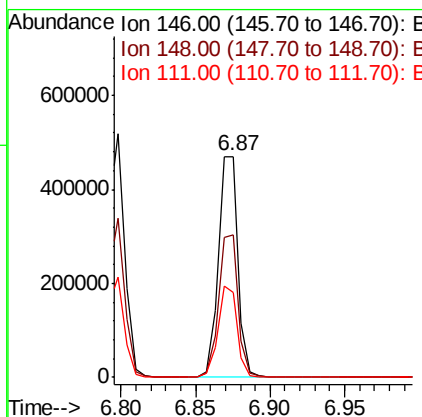
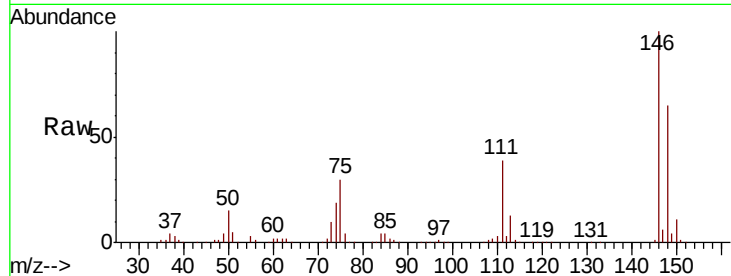
#13
 1,4-Dichlorobenzene
 Concen: 42.047 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	38.6	33.2	49.8

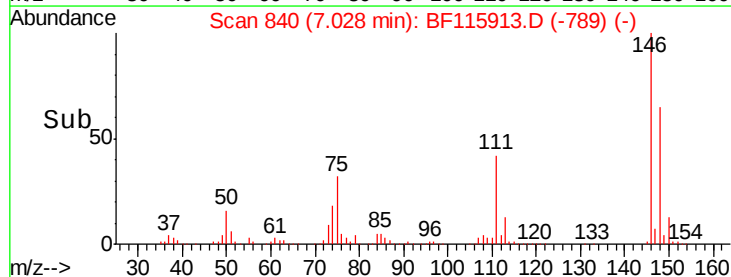
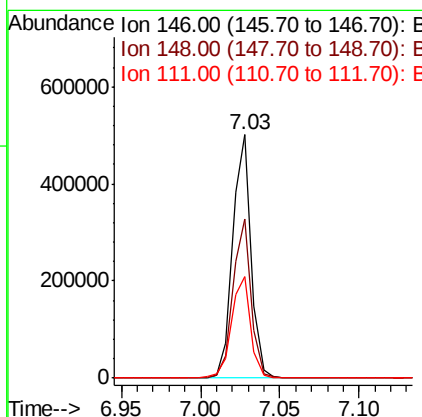
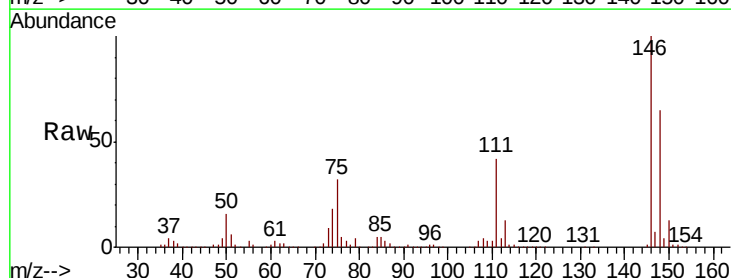
Manual Integrations
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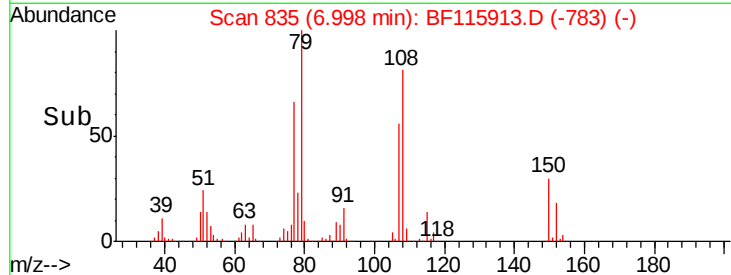
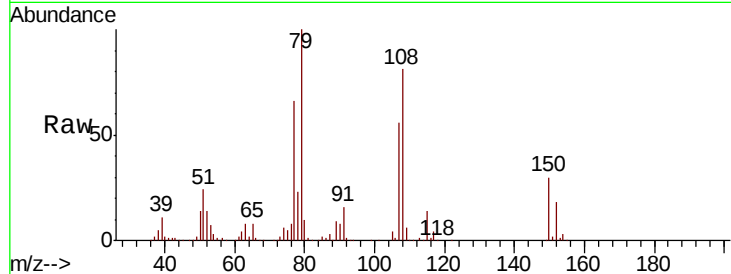
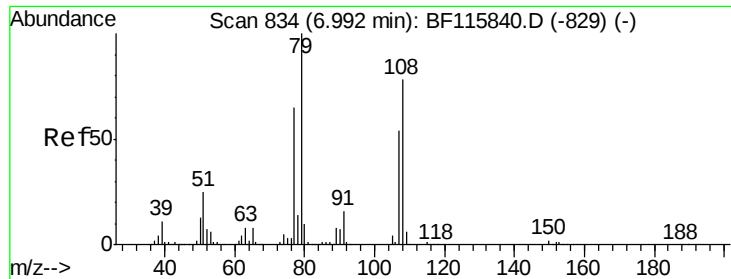
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 42.113 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.6	77.4
111	41.7	33.6	50.4





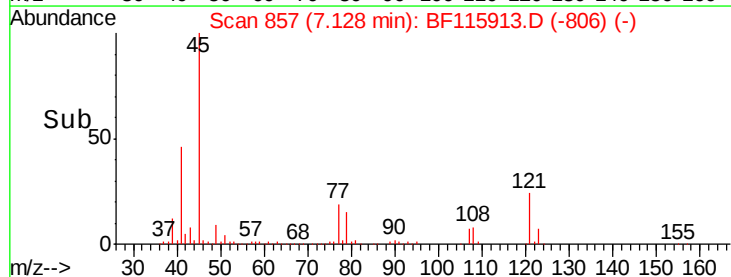
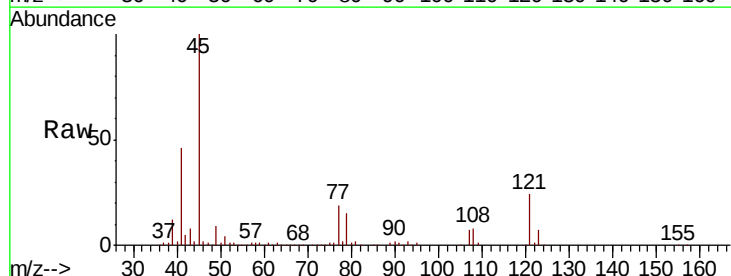
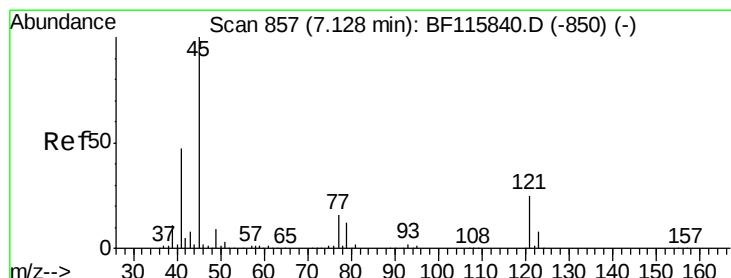
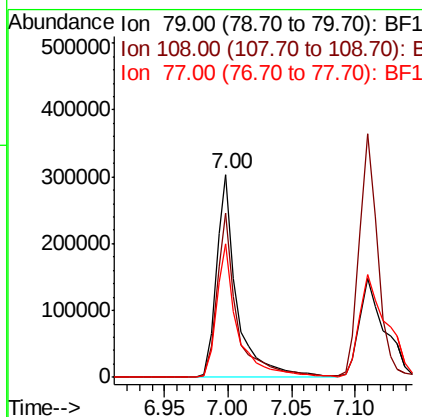
#15
Benzyl Alcohol
Concen: 44.882 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	81.1	62.8	94.2	
77	66.1	52.0	78.0	

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

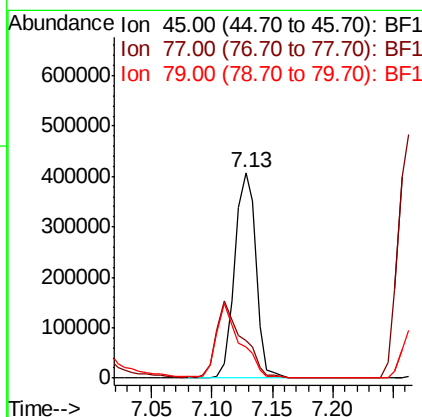
Manual Integrations
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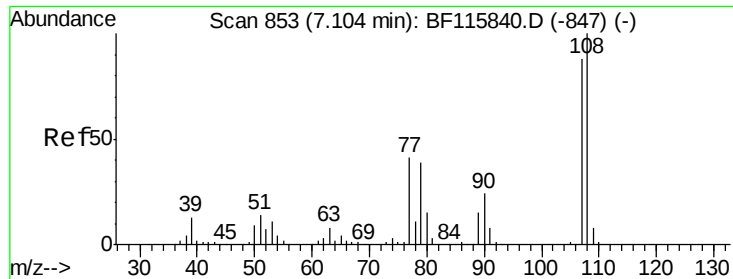
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.778 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	18.6	0.0	36.3	
79	15.0	0.0	32.5	





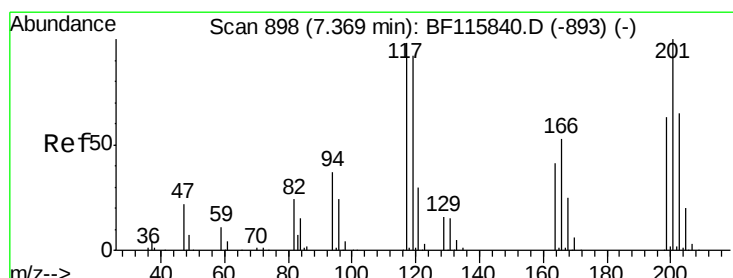
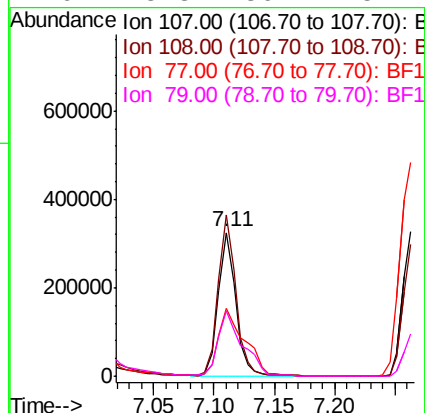
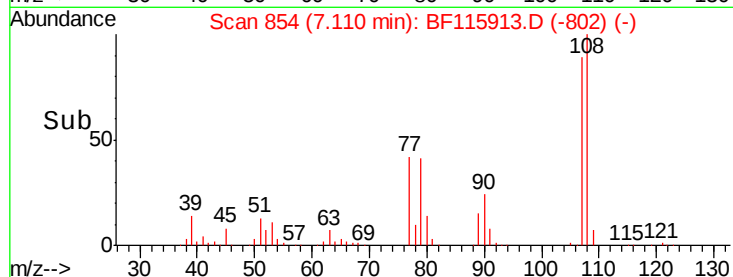
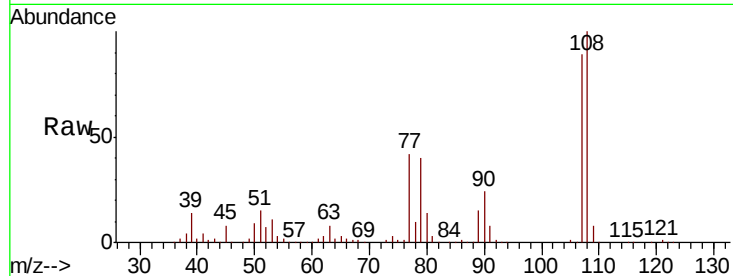
#17
2-Methylphenol
Concen: 42.872 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	91.4	137.0	
77	47.1	37.6	56.4	
79	45.3	36.2	54.4	

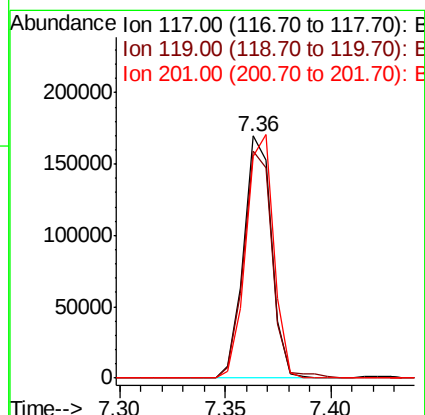
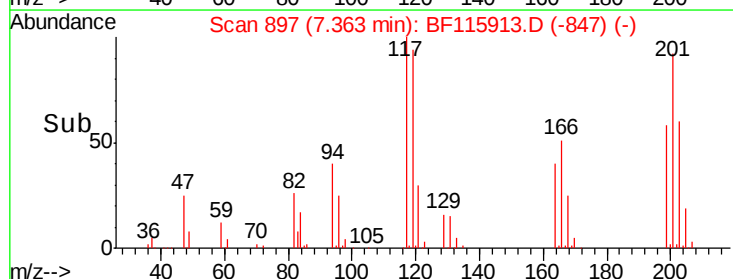
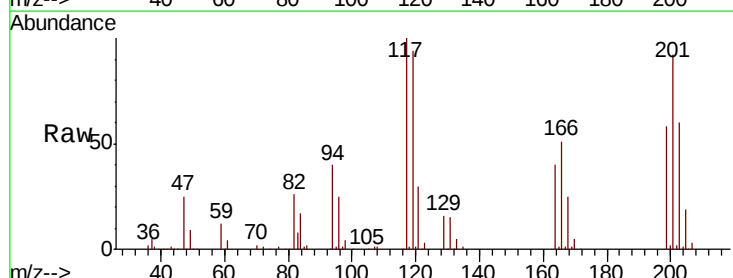
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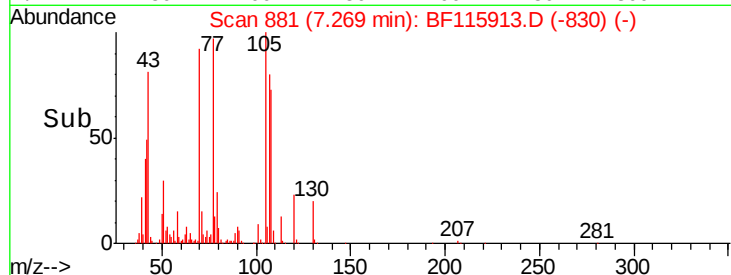
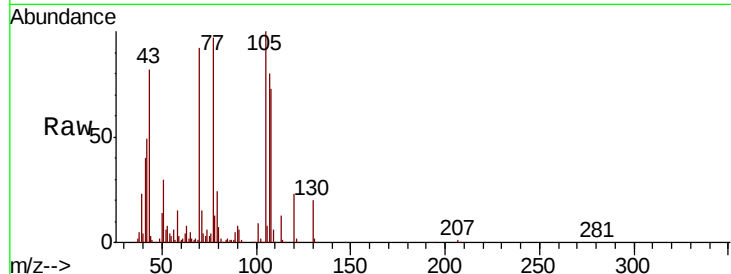
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#18
Hexachloroethane
Concen: 40.675 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.0	75.8	113.6	
201	91.7	82.0	123.0	





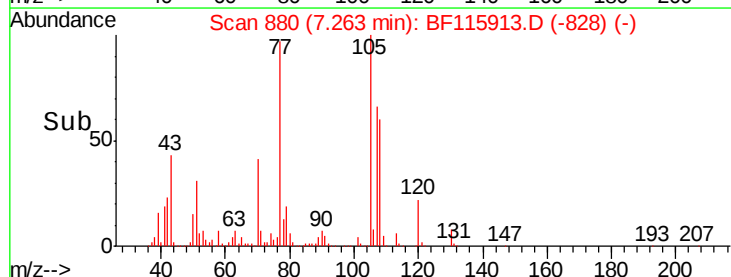
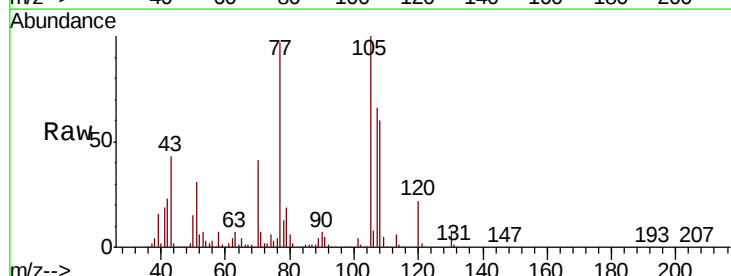
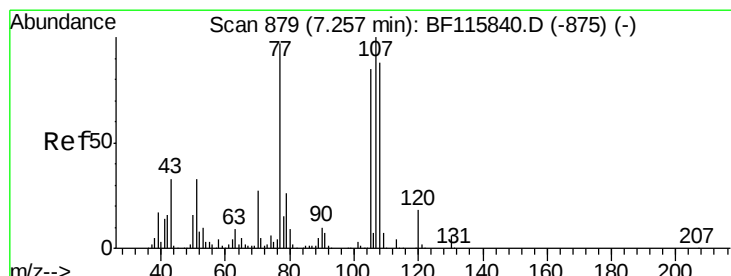
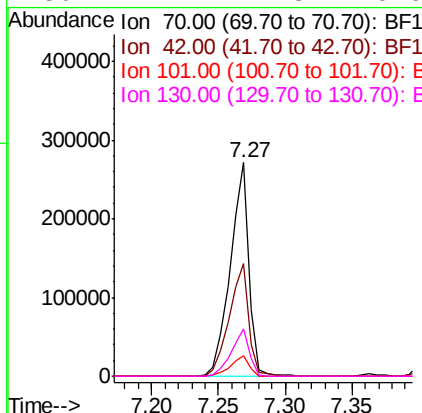
#19
n-Nitroso-di-n-propylamine
Concen: 42.382 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.6	41.8	62.8	
101	9.9	7.7	11.5	
130	22.1	17.8	26.6	

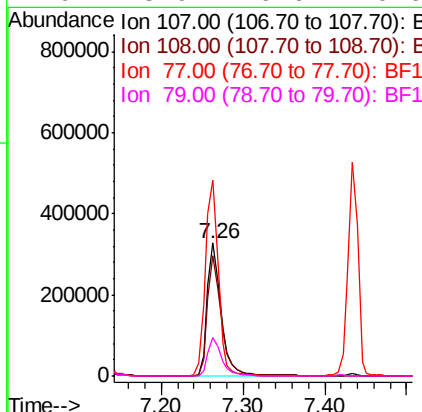
Manual Integrations
APPROVED

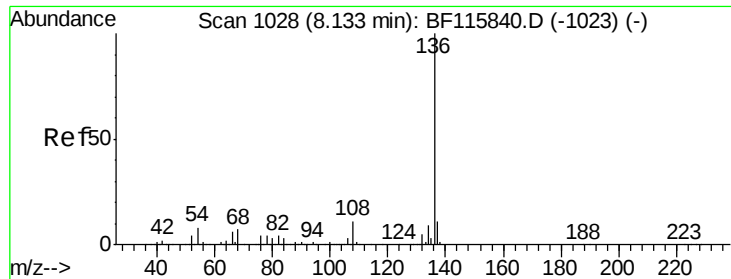
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#20
3+4-Methylphenols
Concen: 43.230 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.6	67.9	107.9	
77	147.4	77.3	117.3	
79	28.9	6.6	46.6	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

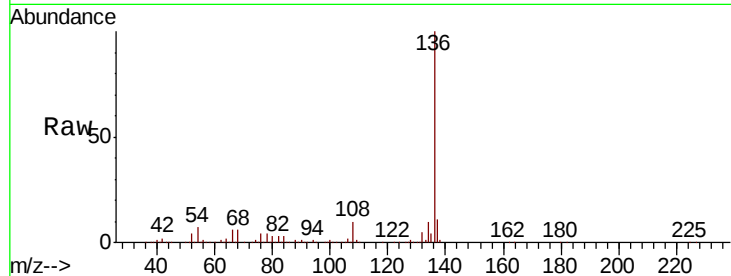
ClientSampleId :

HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		514809		
137	11.3		9.1	13.7	
54	7.2		6.1	9.1	
68	6.3		5.4	8.2	

Manual Integrations
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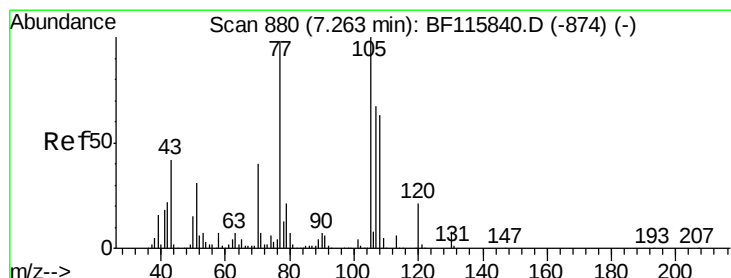
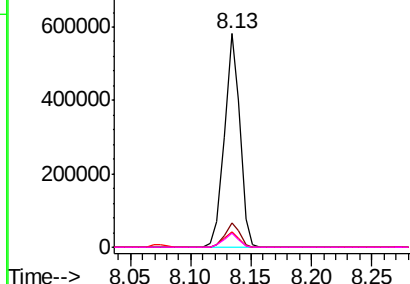
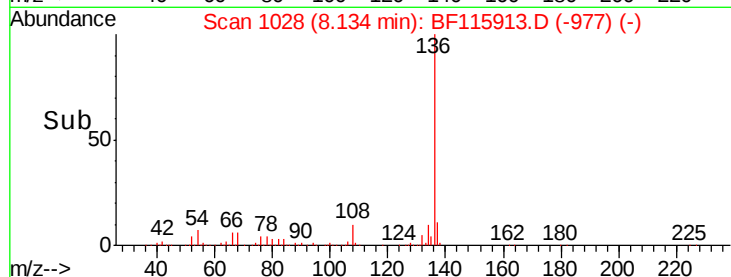
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.773 ng

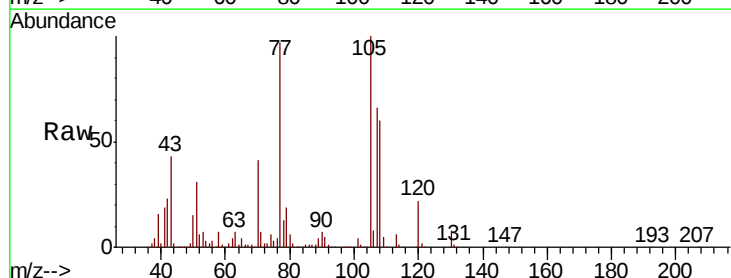
RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		539377		
71	7.0		5.4	8.0	
51	30.8		24.6	36.8	
120	21.8		17.0	25.6	



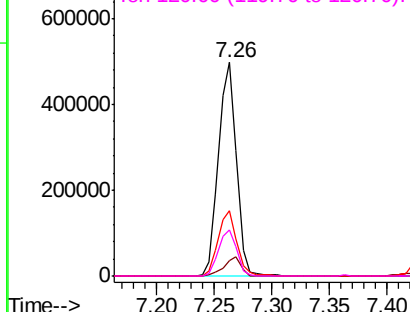
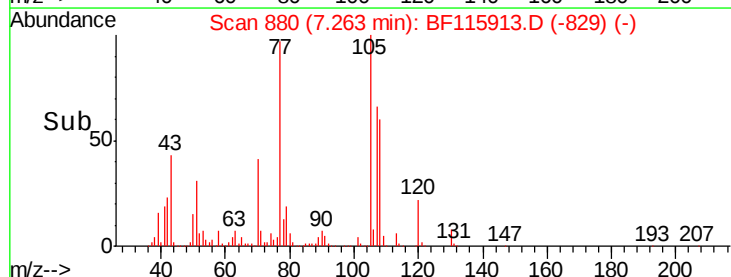
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





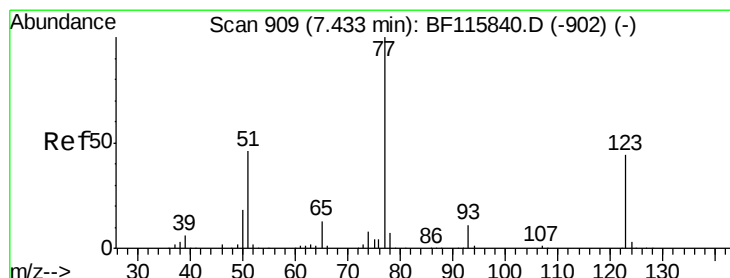
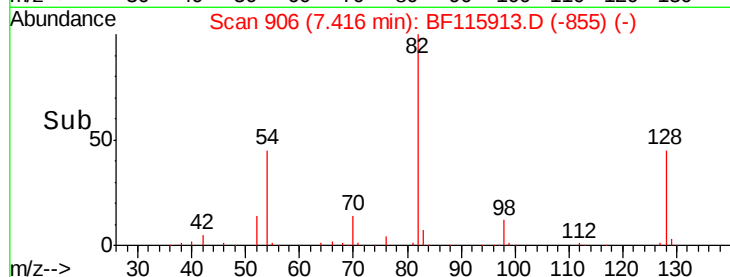
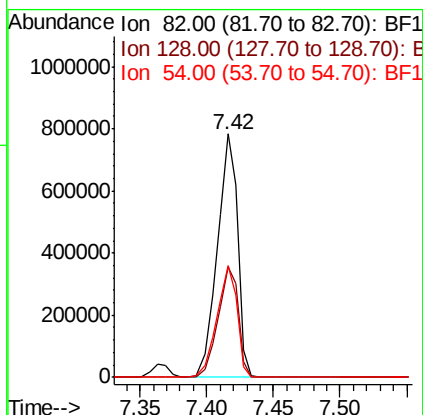
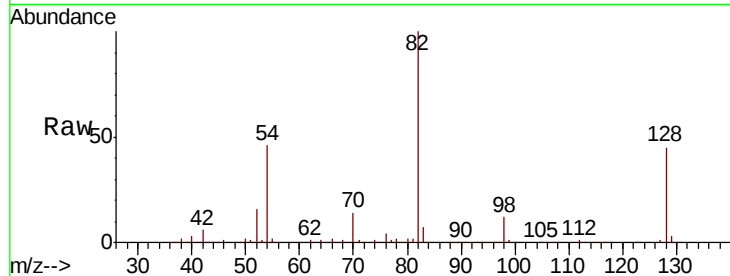
#23
 Nitrobenzene-d5
 Concen: 94.275 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.6	55.0	
54	45.9	36.6	55.0	

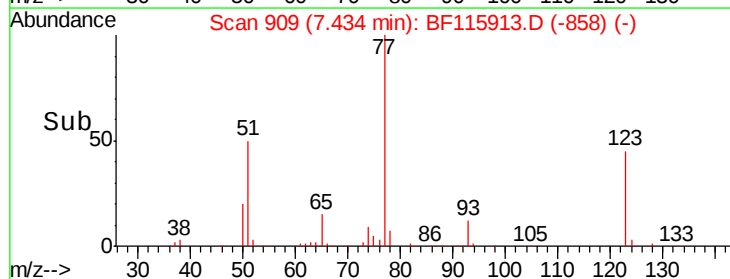
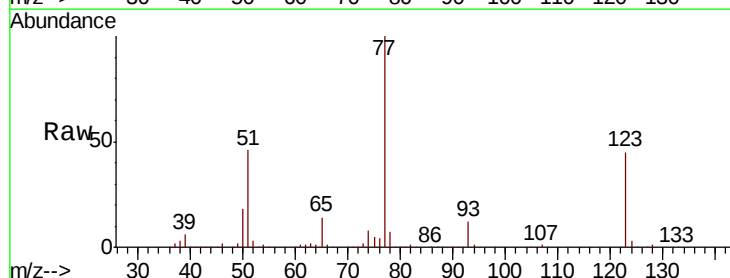
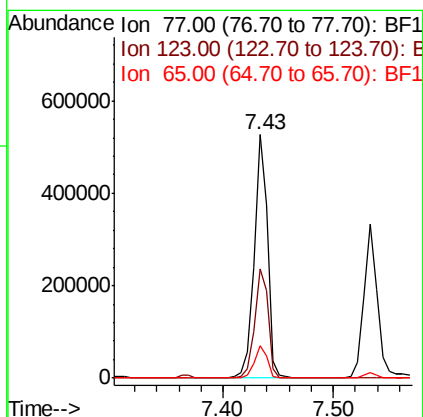
Manual Integrations
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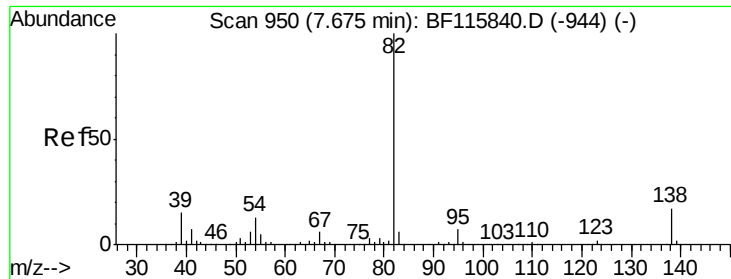
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#24
 Nitrobenzene
 Concen: 46.102 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	44.7	35.5	53.3	
65	13.5	10.6	15.8	





#25

Isophorone

Concen: 45.442 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

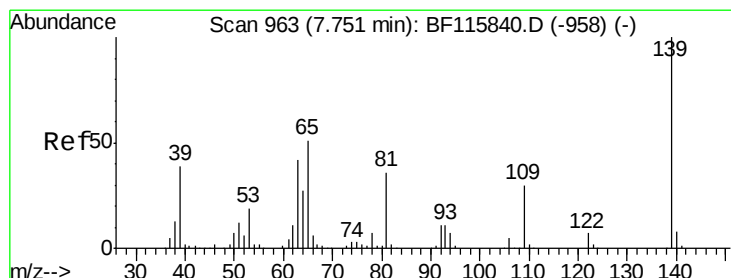
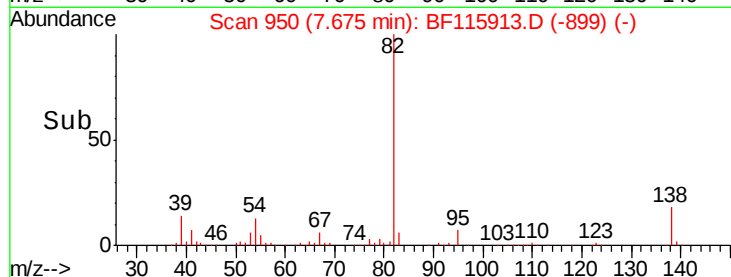
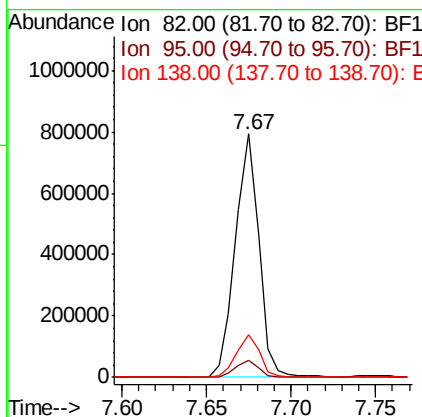
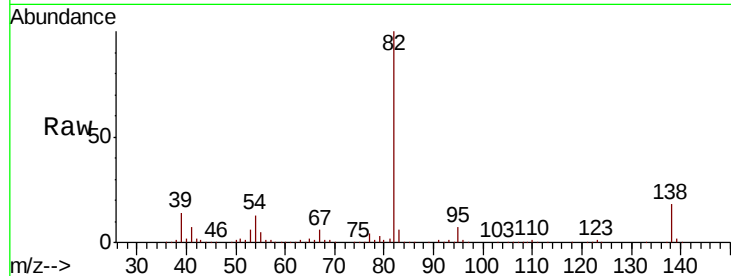
ClientSampleId :

HD-01-073019MS

Tot Ion:	82	Resp:	774962
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	17.7	13.9	20.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 46.981 ng

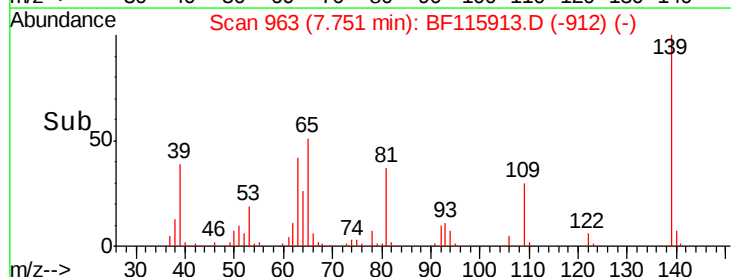
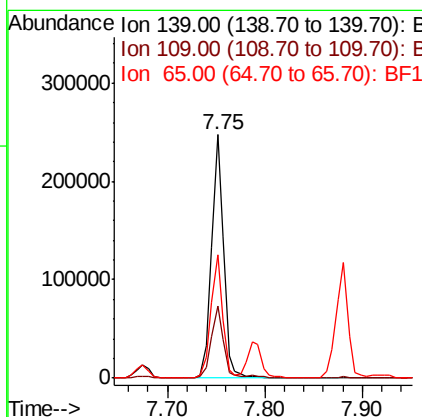
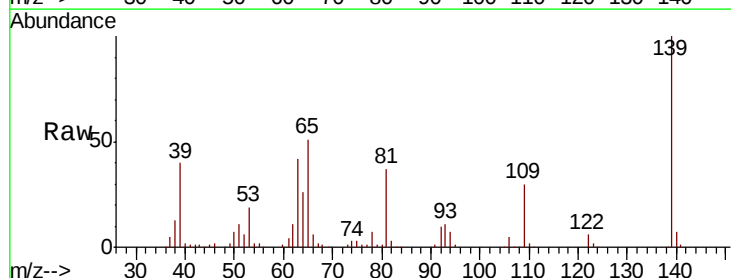
RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion:	139	Resp:	213268
Ion Ratio	Lower	Upper	
139	100		
109	29.8	23.6	35.4
65	50.9	40.6	60.8





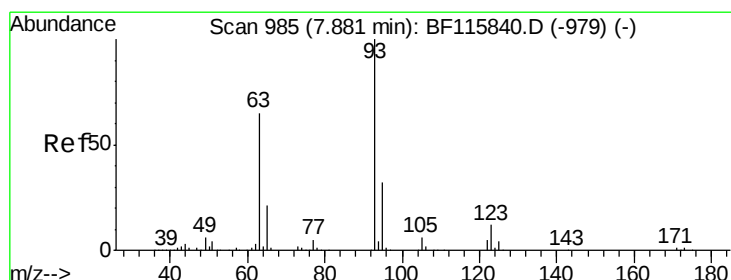
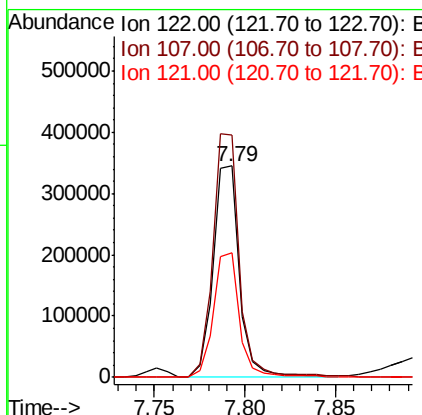
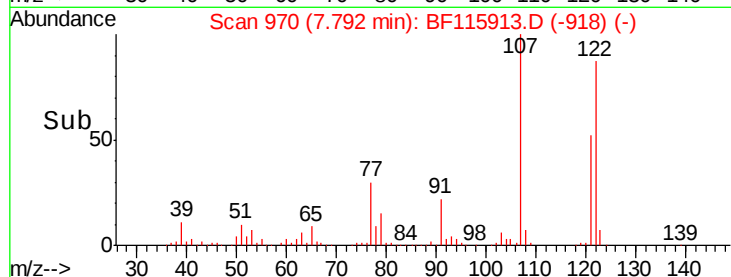
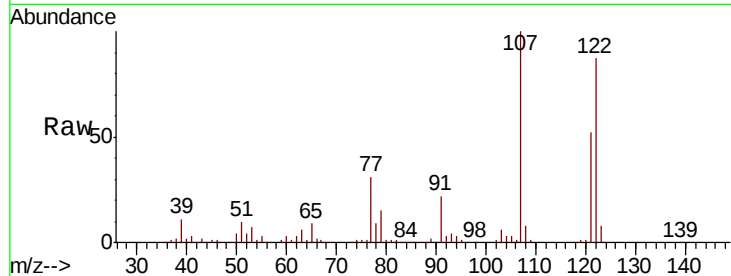
#27
 2,4-Dimethylphenol
 Concen: 50.869 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		347411		
107	114.6	91.7	137.5		
121	59.1	46.6	70.0		

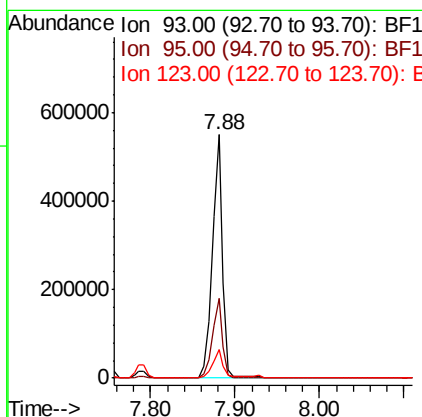
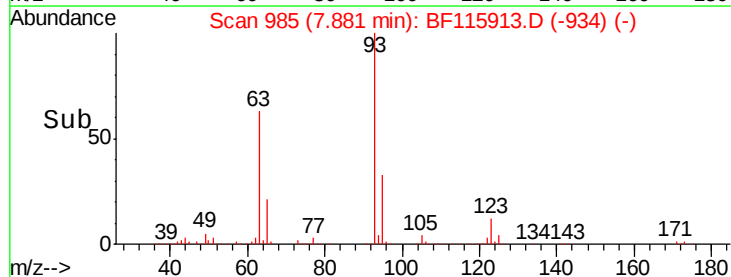
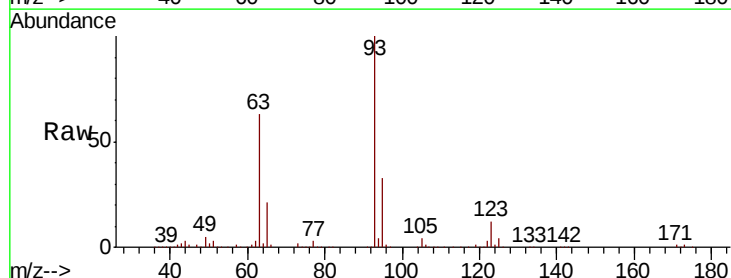
Manual Integrations
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#28
 bis(2-Chloroethoxy)methane
 Concen: 44.681 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		472283		
95	33.0	26.0	39.0		
123	11.8	9.5	14.3		





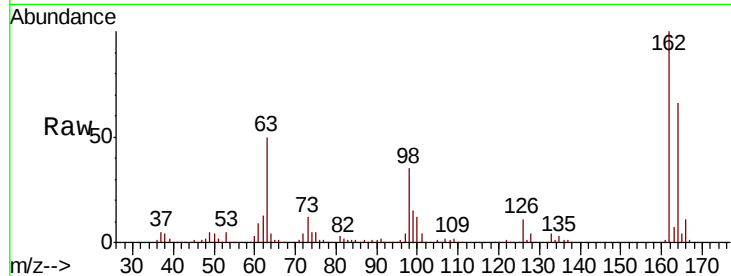
#29
 2,4-Dichlorophenol
 Concen: 46.940 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	338483		
164	65.9	43.2	83.2	
98	34.7	17.3	57.3	

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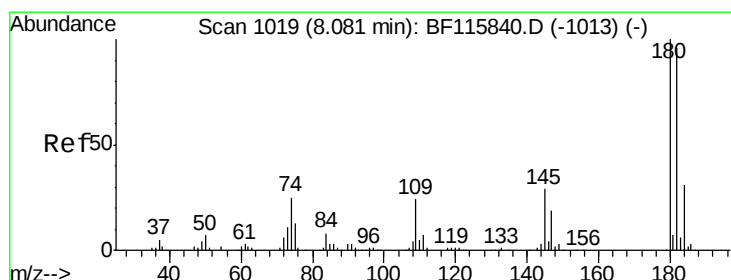
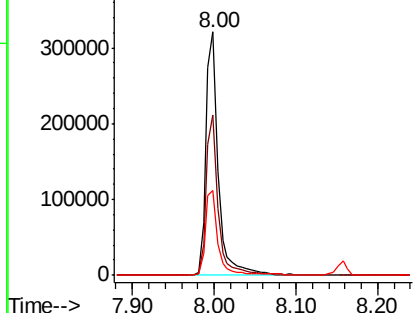
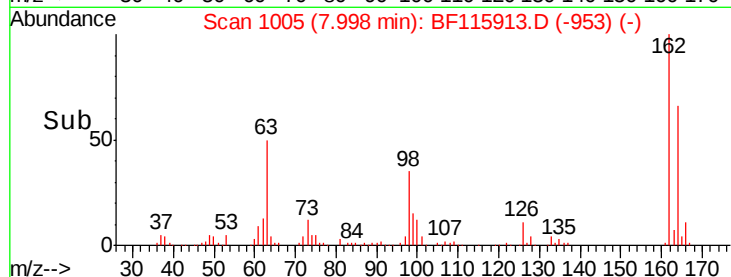


Abundance

Ion 162.00 (161.70 to 162.70): E

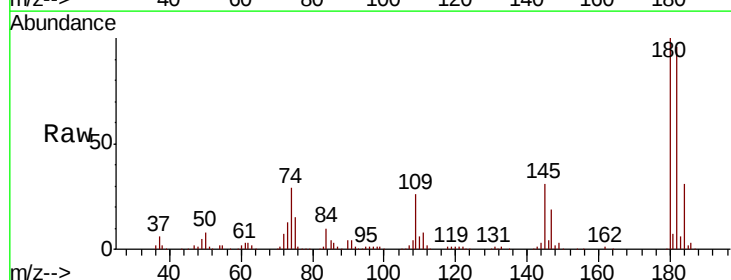
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 44.376 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	364766		
182	95.8	76.6	114.8	
145	30.8	23.2	34.8	

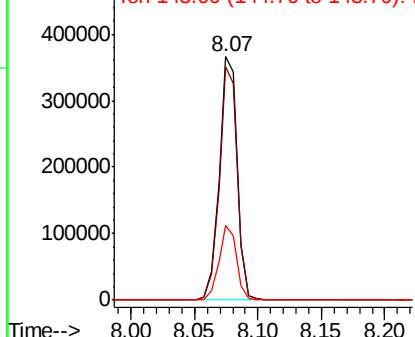
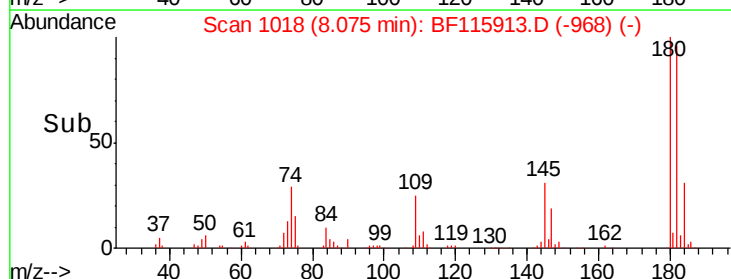


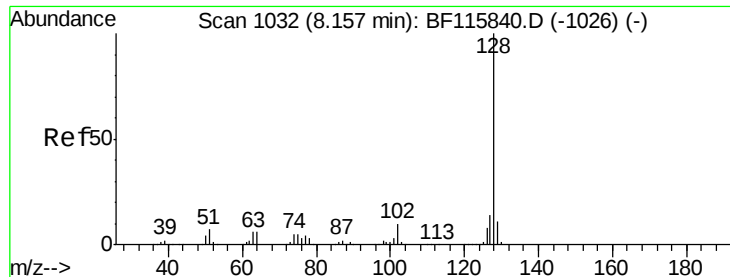
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





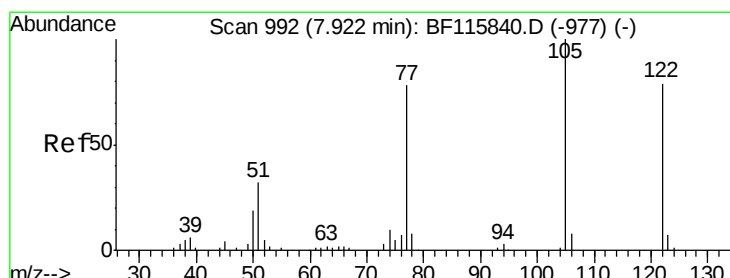
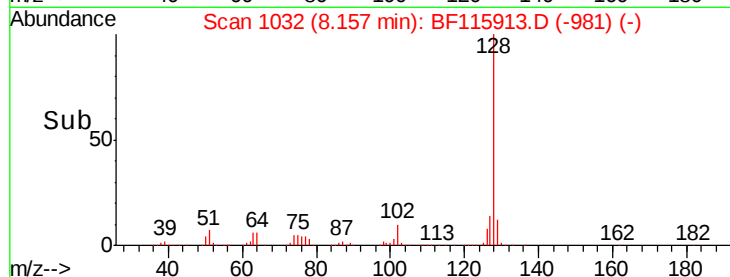
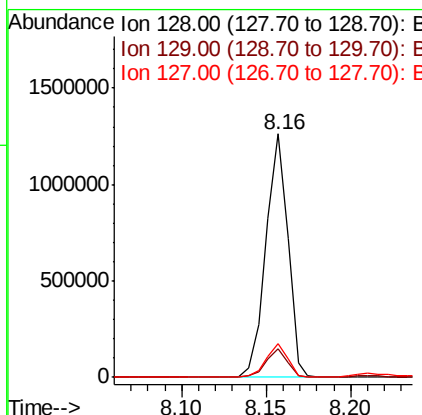
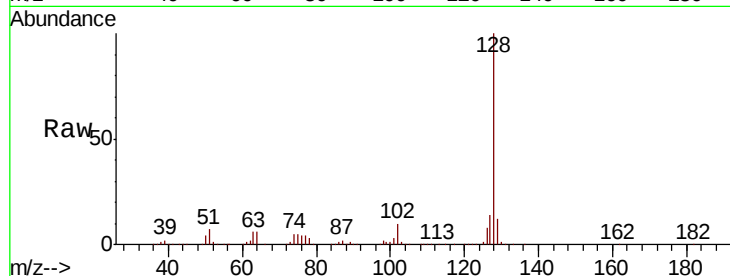
#31
Naphthalene
Concen: 47.039 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.6	11.0	16.4

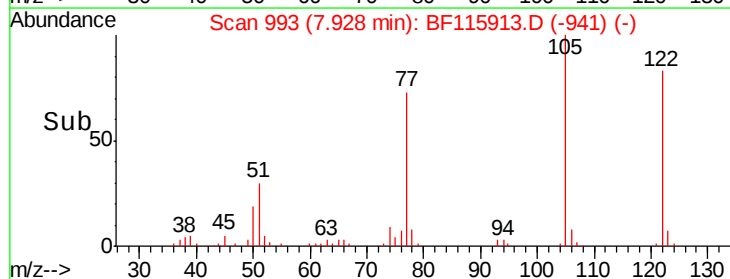
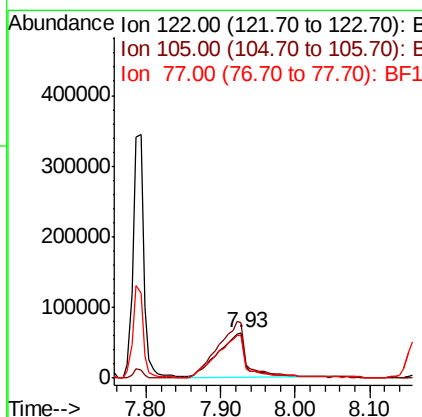
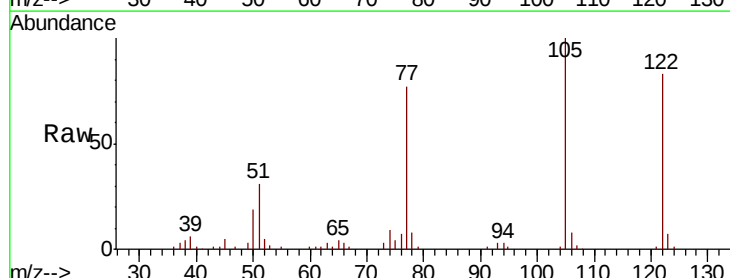
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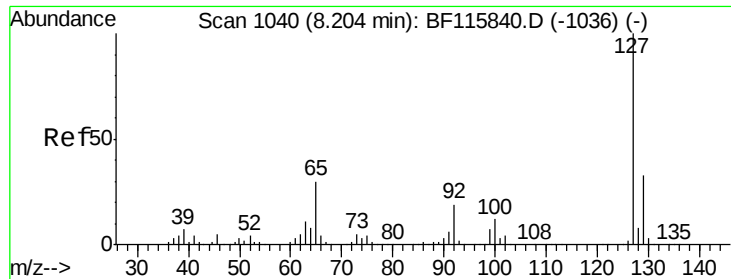
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#32
Benzoic acid
Concen: 35.584 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.2	103.1	143.1
77	93.0	76.8	116.8





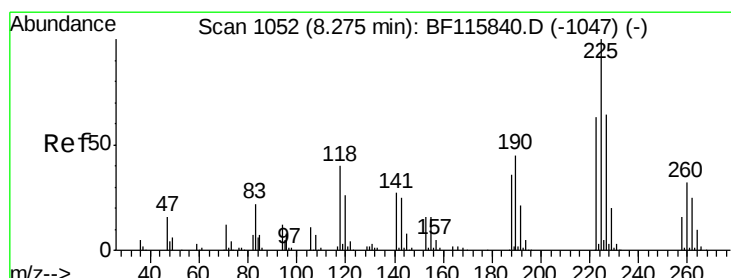
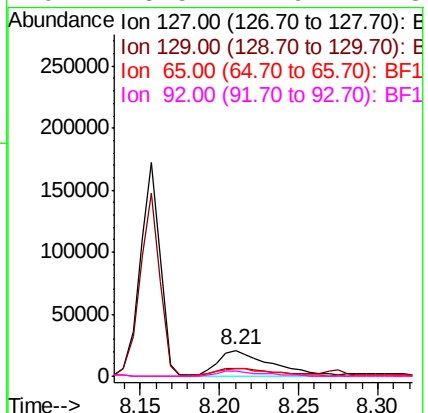
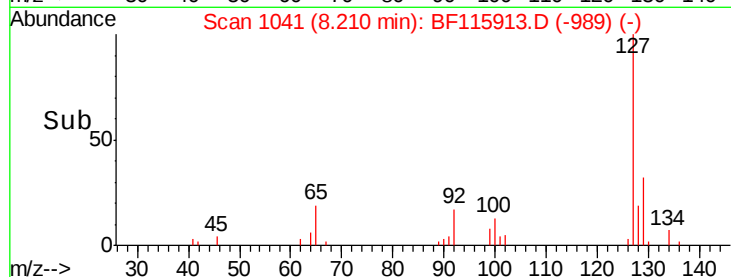
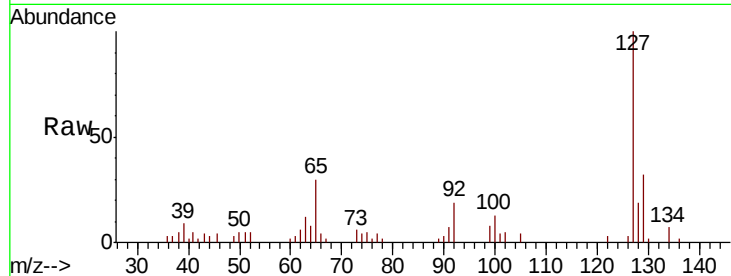
#33
 4-Chloroaniline
 Concen: 4.536 ng
 RT: 8.21 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		49104		
129	31.6	26.0	39.0		
65	29.9	23.9	35.9		
92	18.5	14.9	22.3		

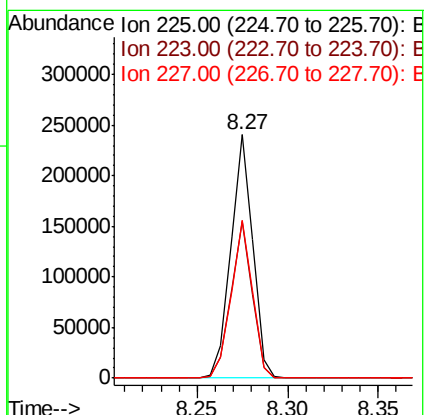
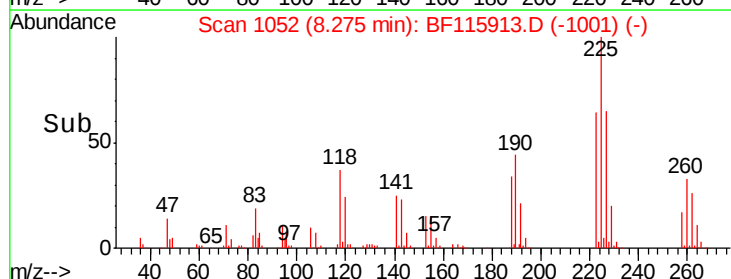
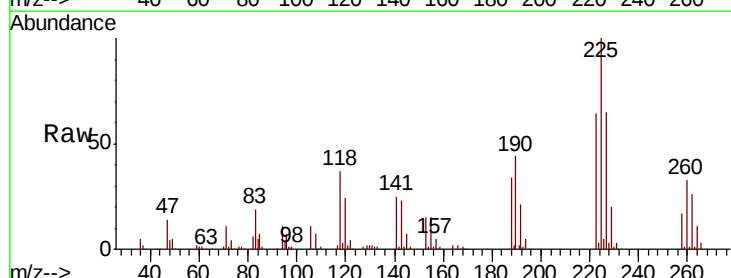
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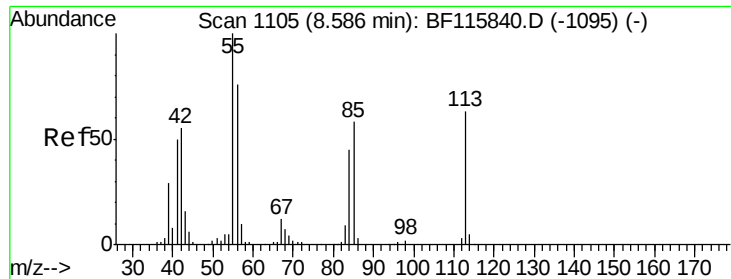
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#34
 Hexachlorobutadiene
 Concen: 42.839 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		202826		
223	64.2	50.4	75.6		
227	64.8	51.6	77.4		





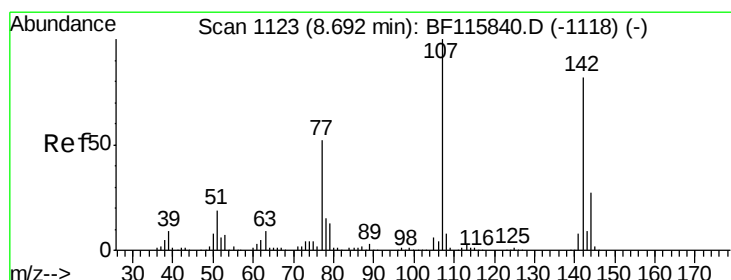
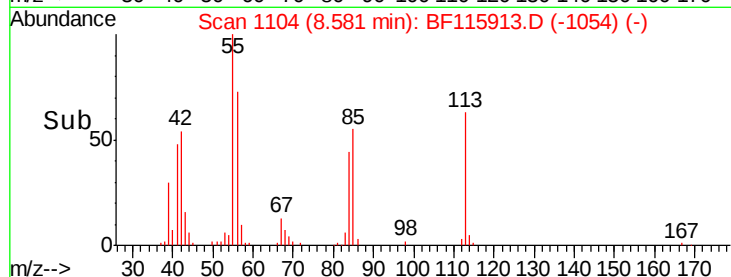
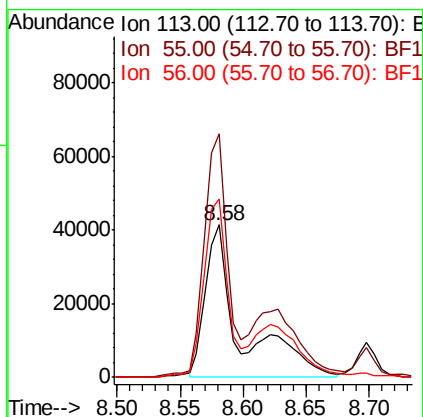
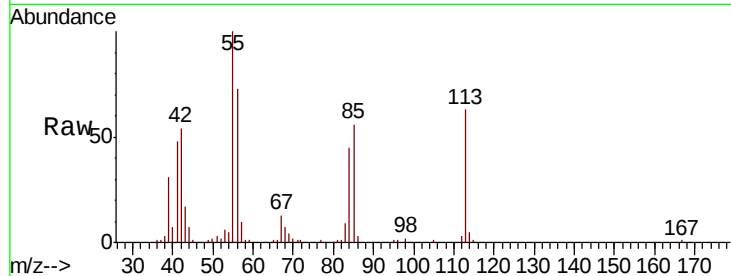
#35
Caprolactam
Concen: 34.353 ng m
RT: 8.58 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	159.4	138.1	178.1
56	116.5	100.6	140.6

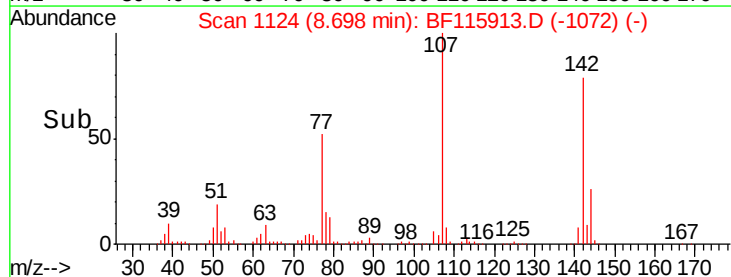
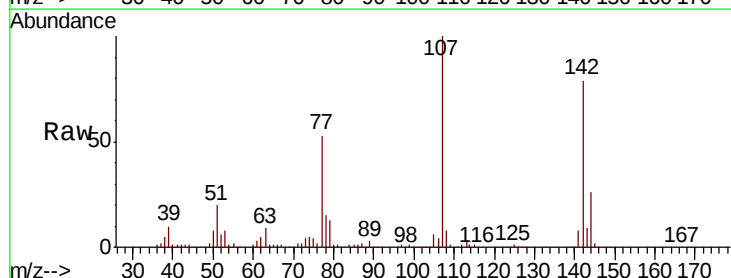
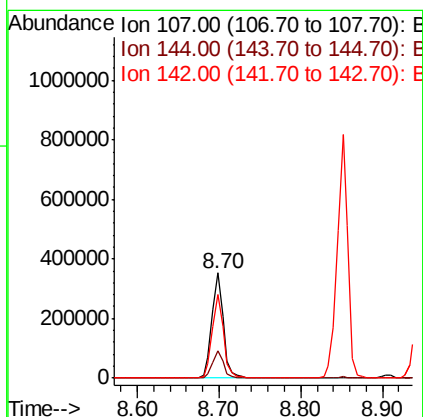
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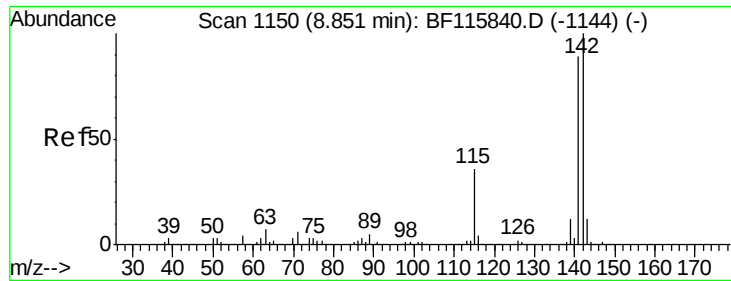
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#36
4-Chloro-3-methylphenol
Concen: 45.897 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.4	32.0
142	79.1	65.5	98.3





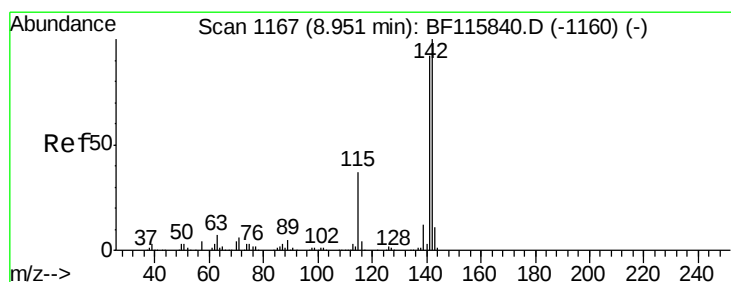
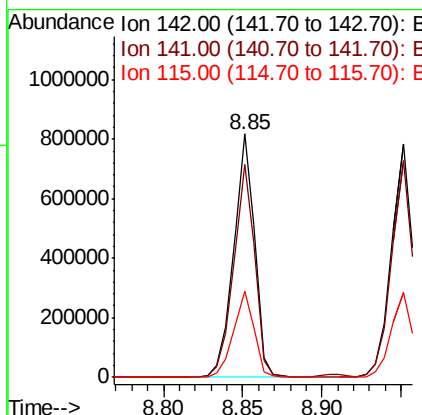
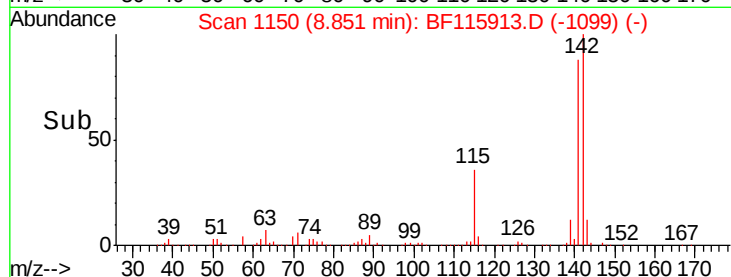
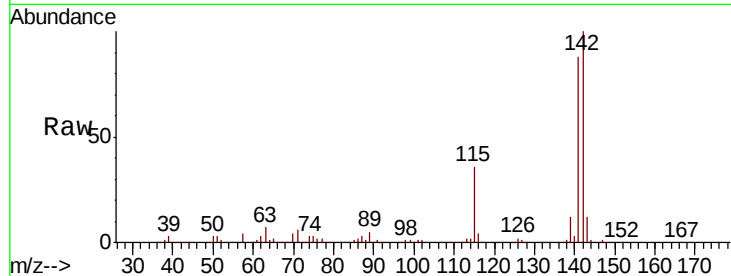
#37
2-Methylnaphthalene
Concen: 47.251 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.4	107.2
115	35.6	28.9	43.3

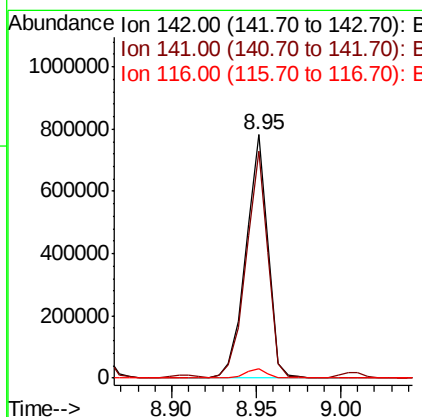
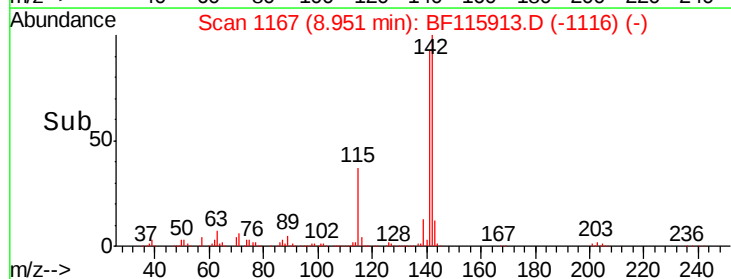
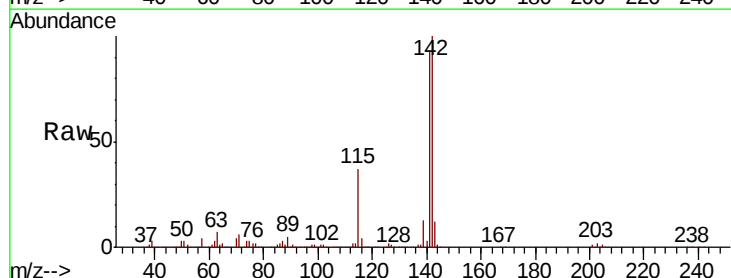
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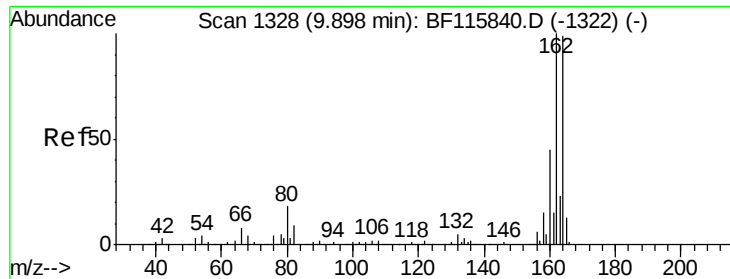
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#38
1-Methylnaphthalene
Concen: 46.870 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.8	110.6
116	3.8	3.1	4.7





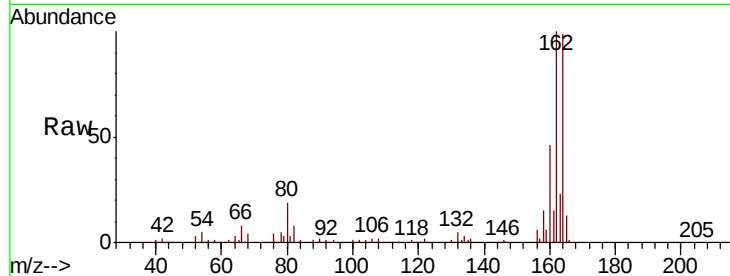
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion:	164	Resp:	267645
Ion Ratio	Lower	Upper	
164	100		
162	101.3	80.8	121.2
160	46.9	36.2	54.4

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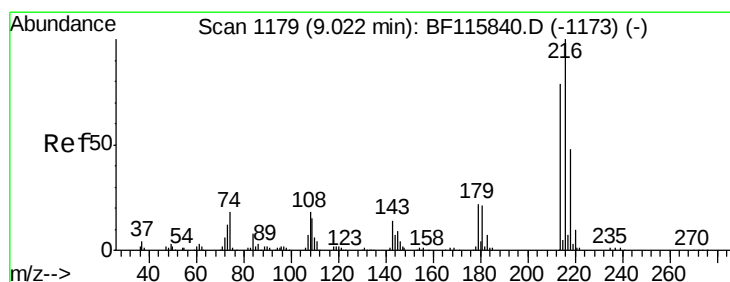
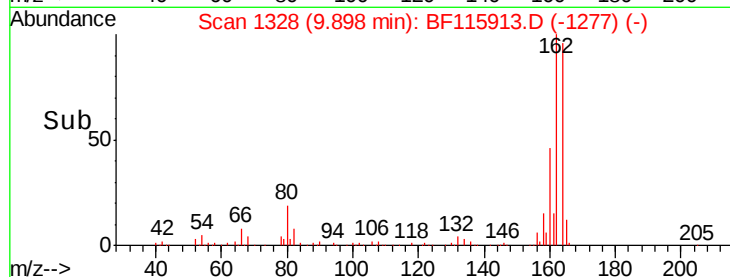
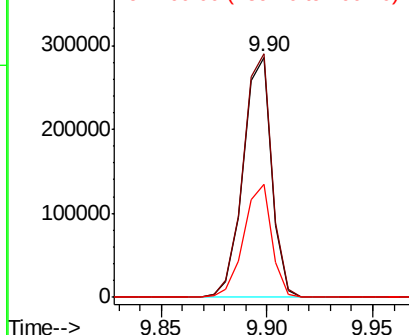


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.946 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion:	216	Resp:	335913
Ion Ratio	Lower	Upper	
216	100		
214	80.1	62.8	94.2
179	22.2	17.6	26.4
108	20.8	16.1	24.1

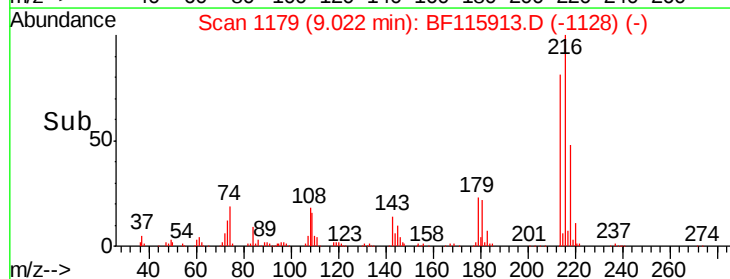
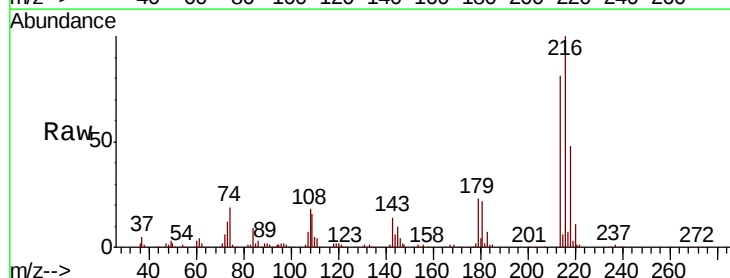
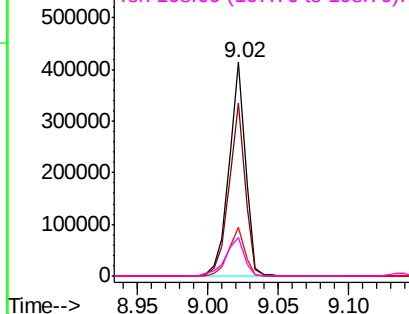
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





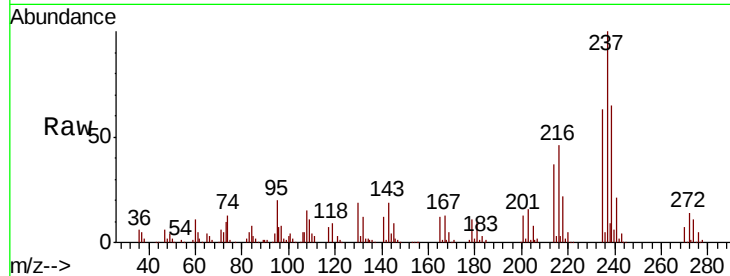
#41
Hexachlorocyclopentadiene
Concen: 45.474 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

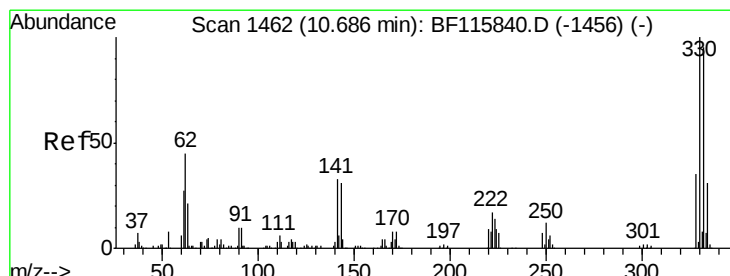
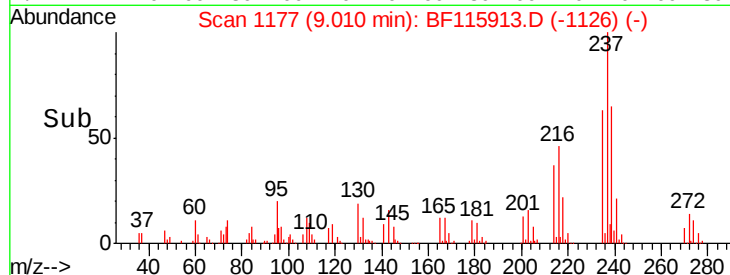
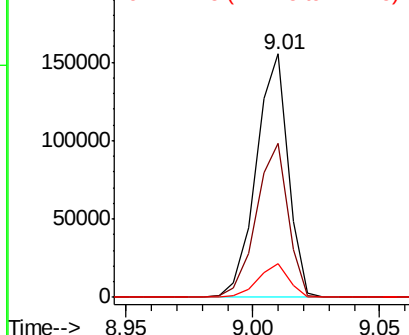
Tot Ion:	237	Resp:	137206
Ion Ratio	Lower	Upper	
237	100		
235	63.3	42.5	82.5
272	13.6	0.0	33.3

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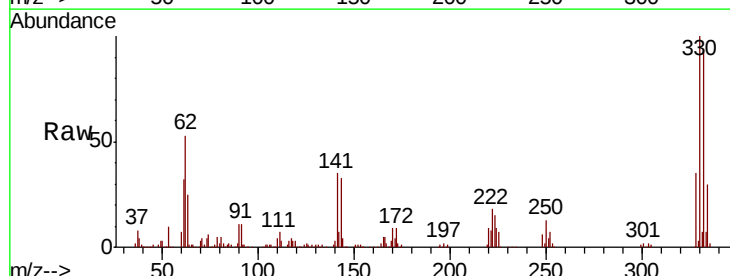


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

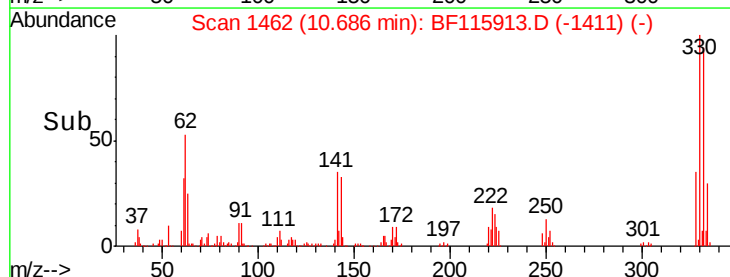
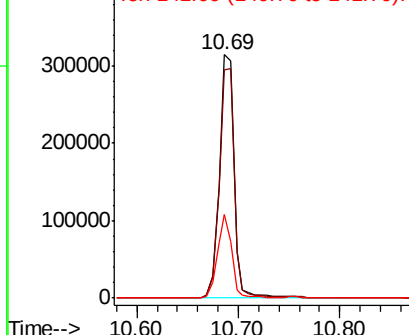


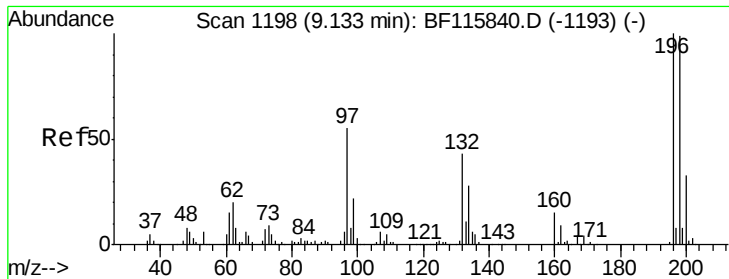
#42
2,4,6-Tribromophenol
Concen: 123.144 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion:	330	Resp:	319546
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.7	116.5
141	33.2	28.1	42.1



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





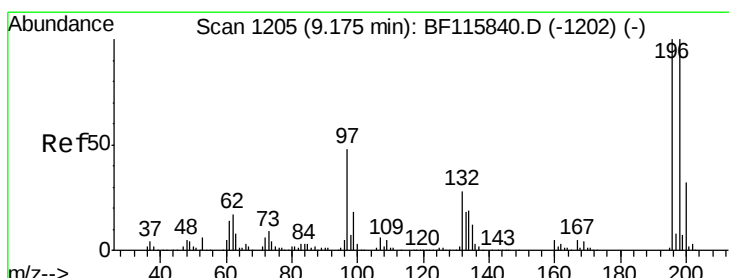
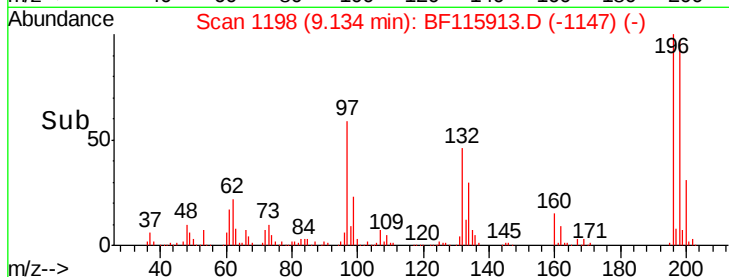
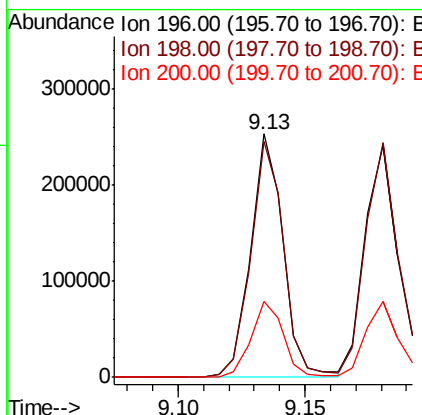
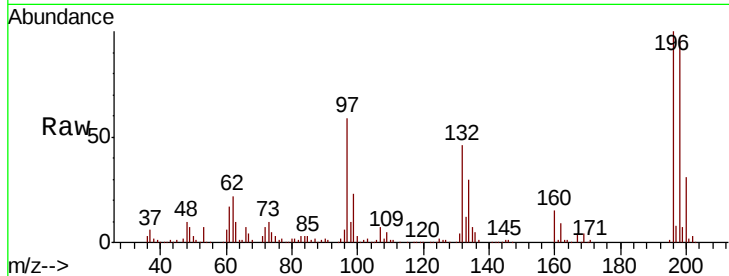
#43
 2,4,6-Trichlorophenol
 Concen: 45.818 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion:	196	Resp:	225658
Ion Ratio	Lower	Upper	
196	100		
198	96.9	79.1	118.7
200	31.4	26.0	39.0

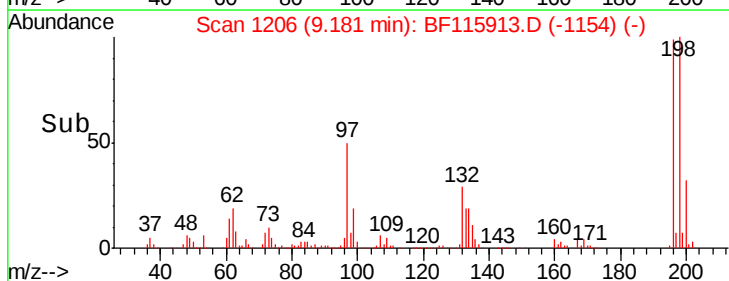
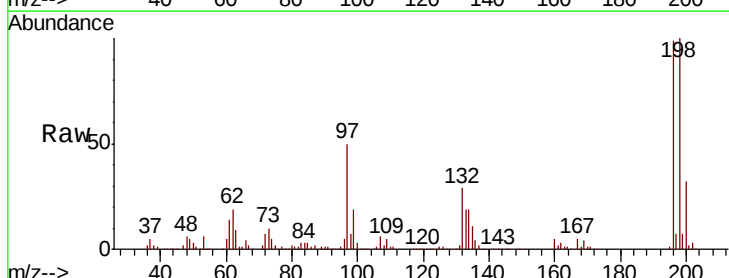
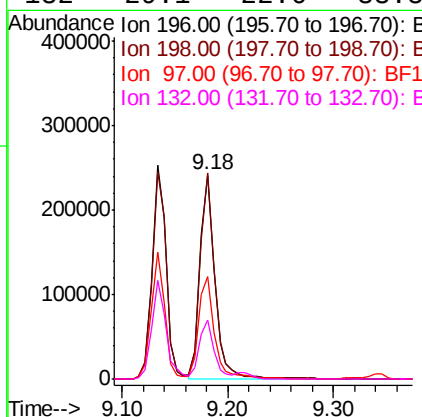
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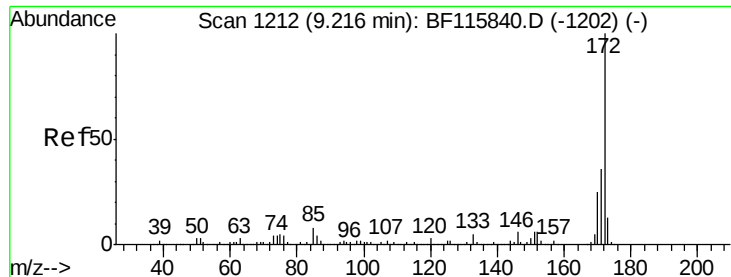
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 46.307 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion:	196	Resp:	235752
Ion Ratio	Lower	Upper	
196	100		
198	100.8	80.1	120.1
97	49.9	38.9	58.3
132	29.1	22.6	33.8





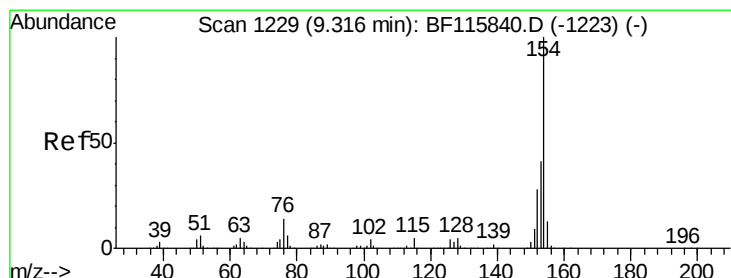
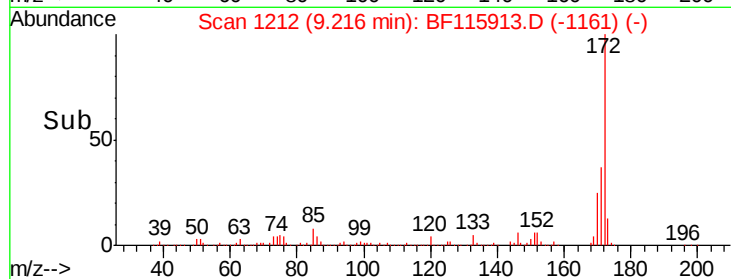
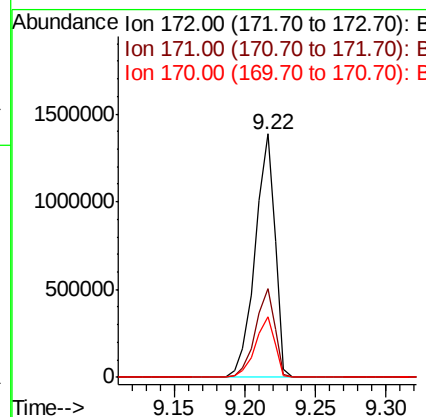
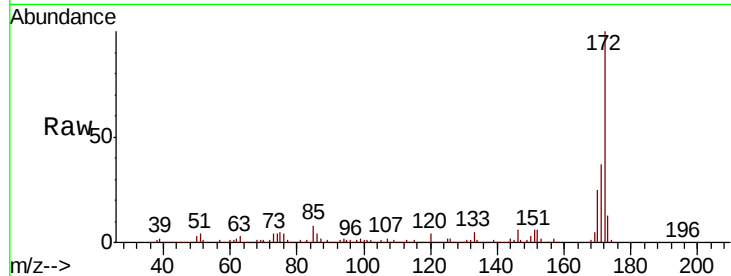
#45
2-Fluorobiphenyl
Concen: 96.241 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.1	43.7
170	25.0	20.1	30.1

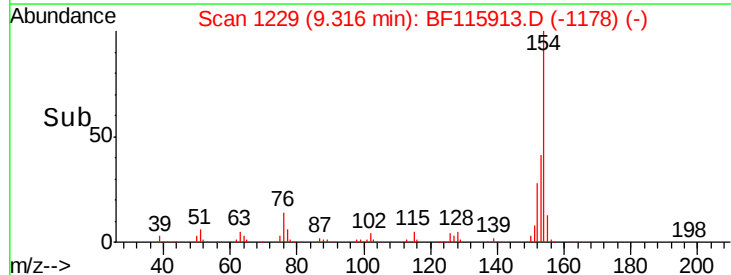
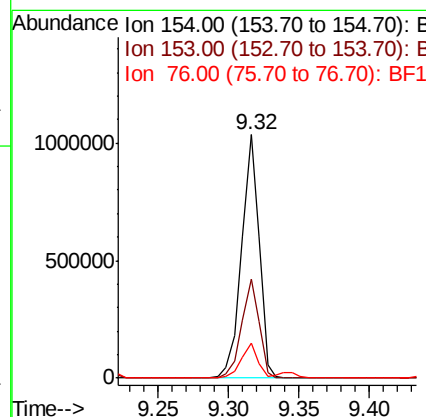
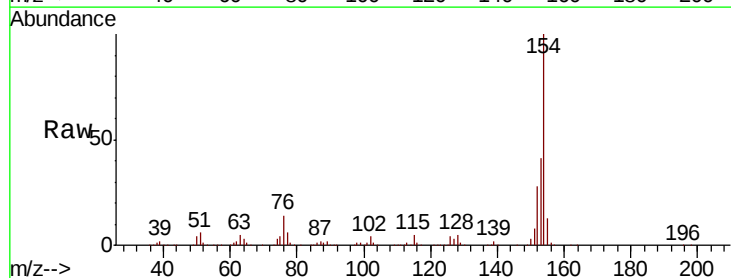
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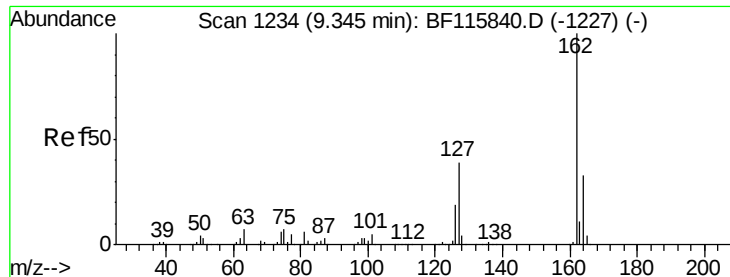
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#46
1,1'-Biphenyl
Concen: 47.462 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	14.3	0.0	34.3





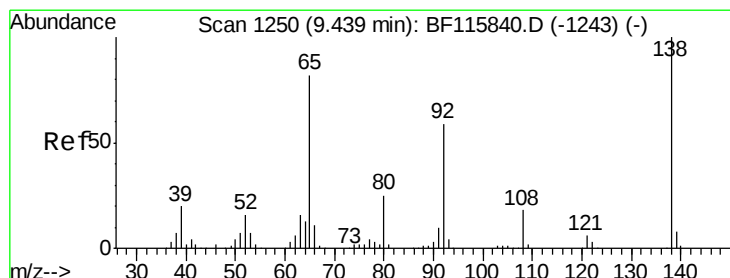
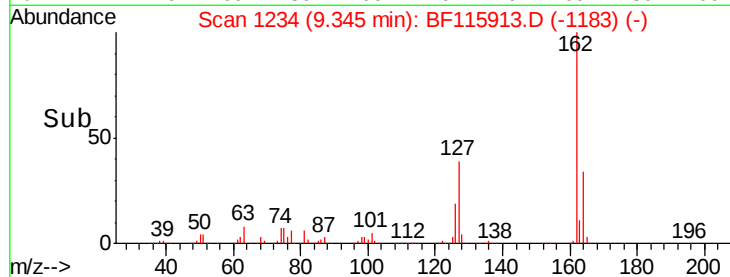
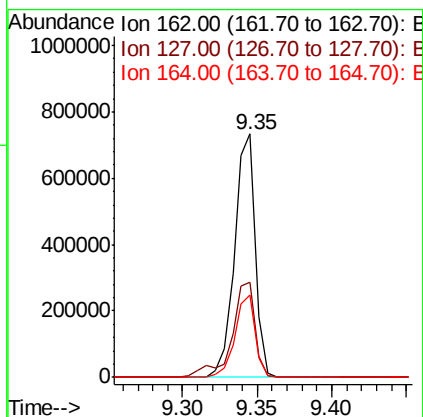
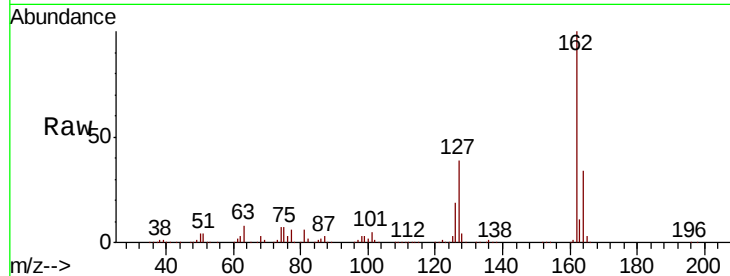
#47
 2-Chloronaphthalene
 Concen: 45.478 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleID :
 HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.0		31.3	46.9	
164	33.9		26.6	40.0	

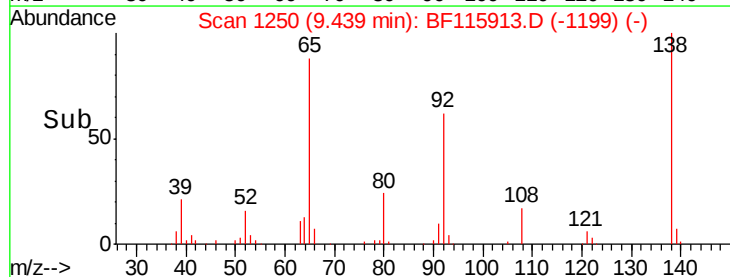
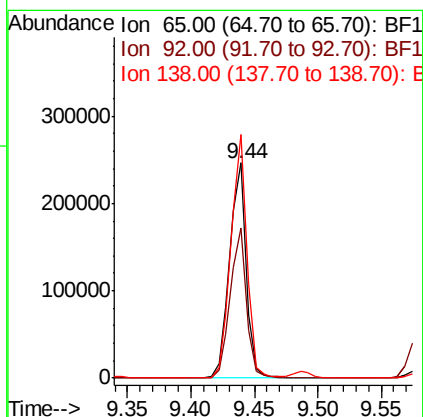
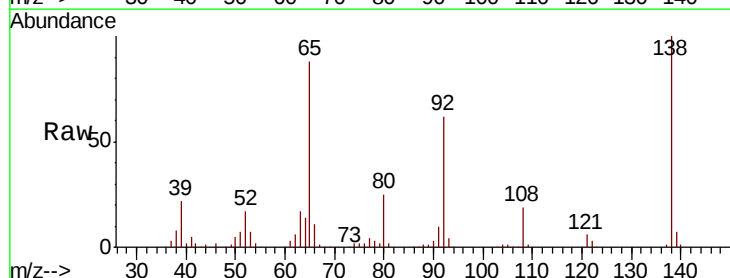
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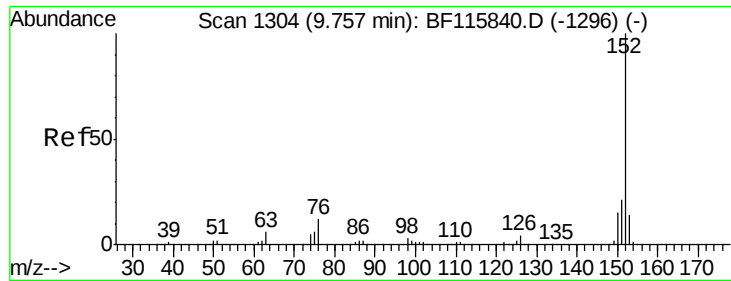
mohammad
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#48
 2-Nitroaniline
 Concen: 43.012 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	69.8		57.1	85.7	
138	113.1		97.1	145.7	





#49

Acenaphthylene

Concen: 46.898 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

ClientSampleId :

HD-01-073019MS

Tot Ion:152 Resp: 1076030

Ion Ratio Lower Upper

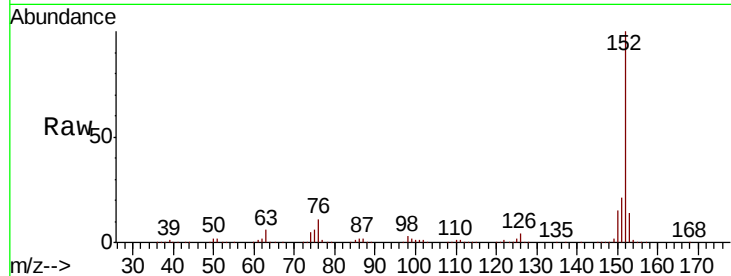
152 100

151 20.8 16.8 25.2

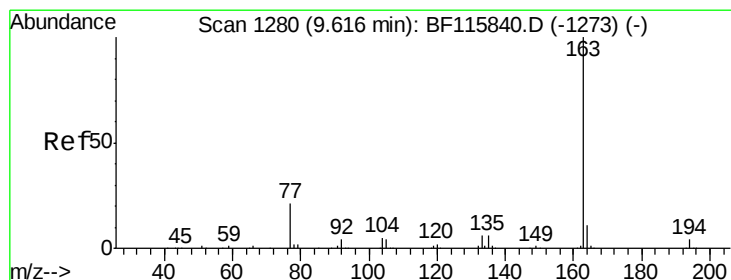
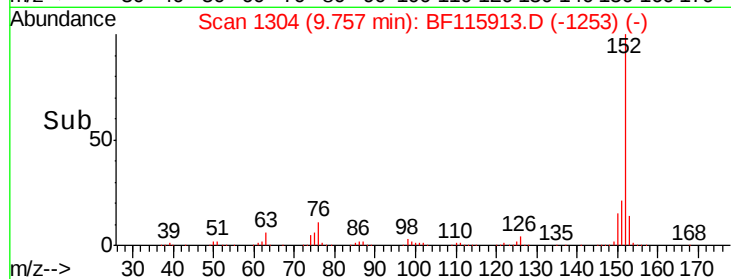
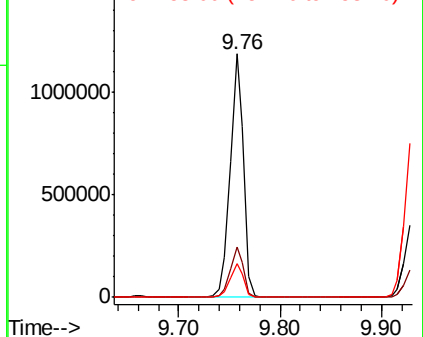
153 14.0 11.6 17.4

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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: 47.138 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

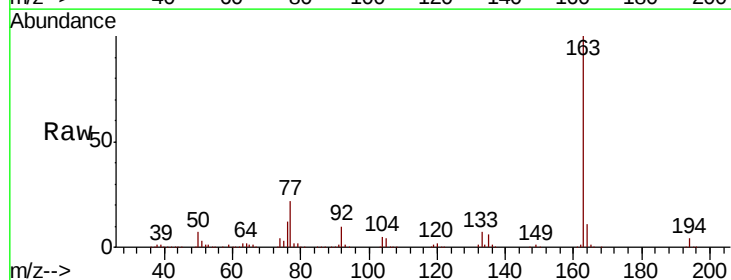
Tgt Ion:163 Resp: 859026

Ion Ratio Lower Upper

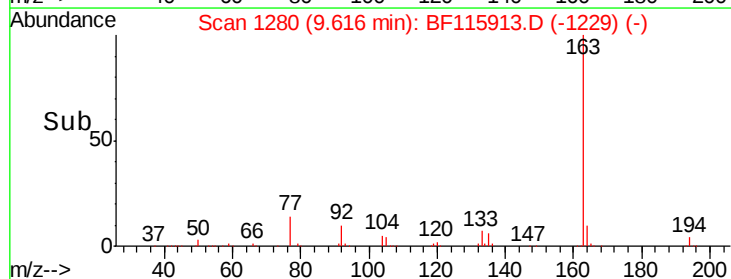
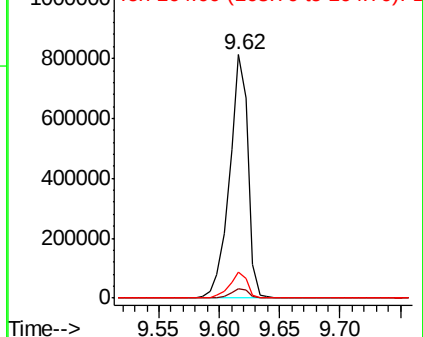
163 100

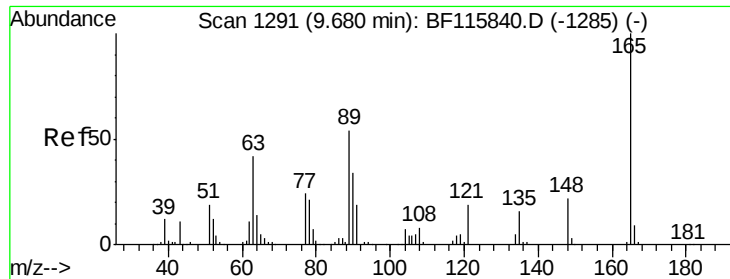
194 3.8 3.0 4.6

164 10.6 8.4 12.6



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





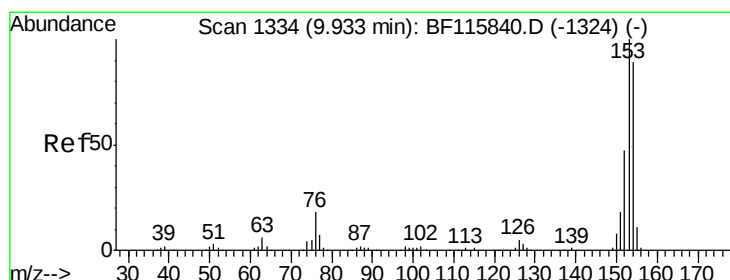
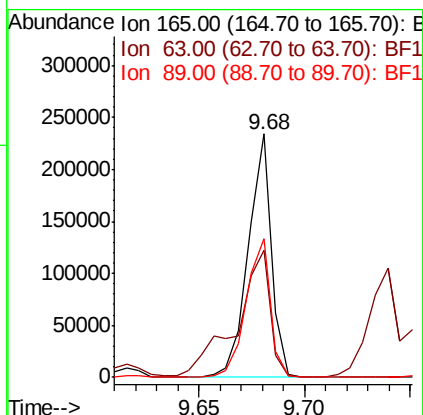
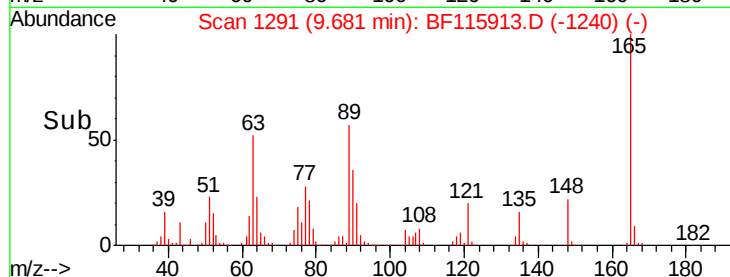
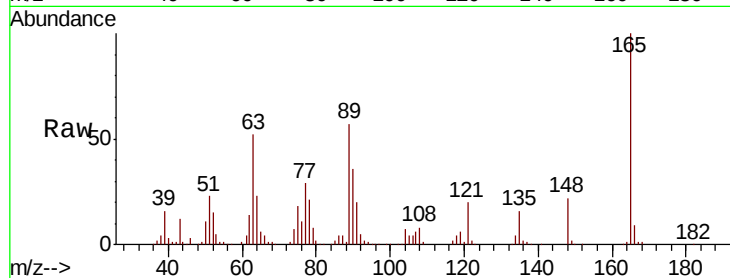
#51
 2,6-Dinitrotoluene
 Concen: 45.195 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		178987		
63	52.1	39.4	59.2		
89	57.1	43.0	64.6		

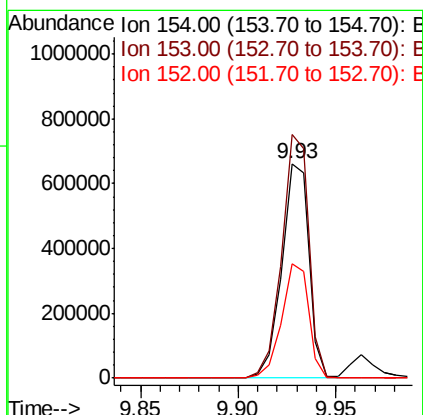
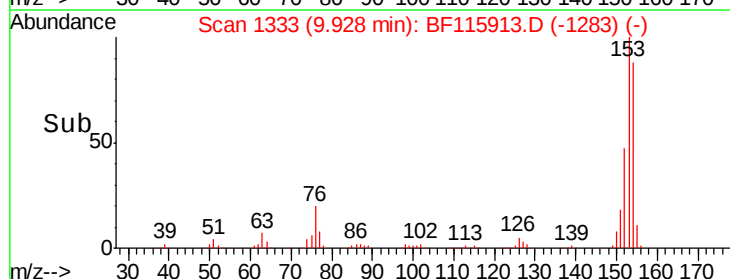
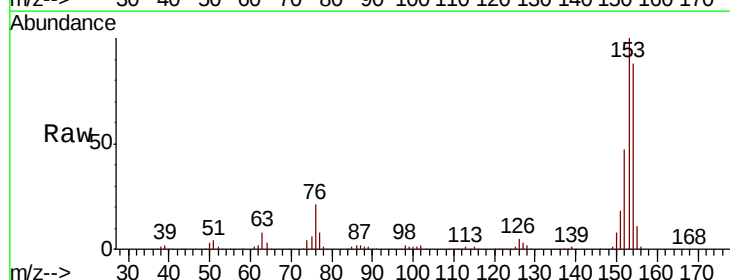
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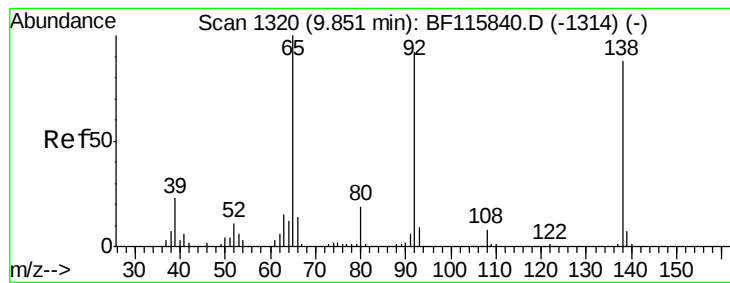
mohammad
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#52
 Acenaphthene
 Concen: 45.524 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		640787		
153	113.5	90.1	135.1		
152	53.3	42.6	63.8		





#53

3-Nitroaniline

Concen: 13.686 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

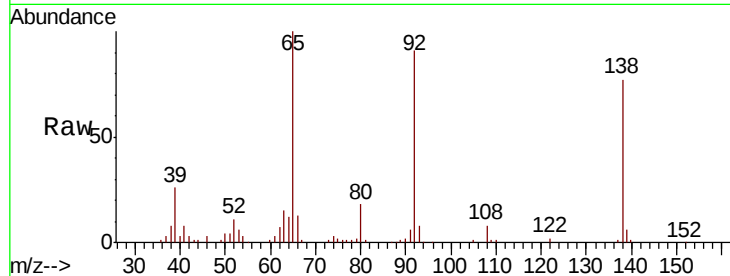
ClientSampleId :

HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	7.4	11.2
92	118.0	83.9	125.9

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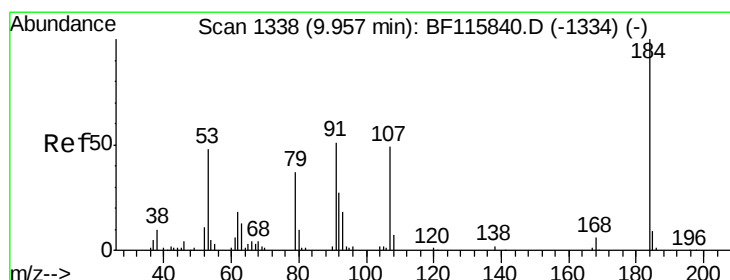
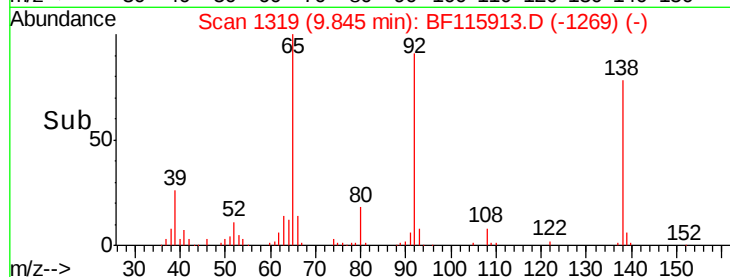
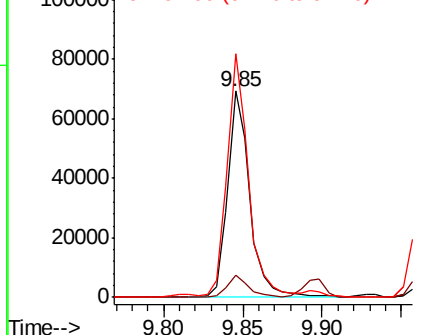


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 56.677 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

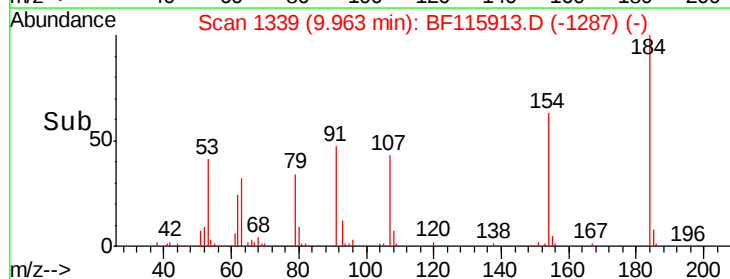
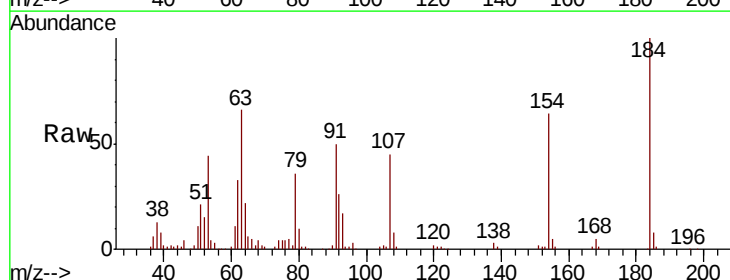
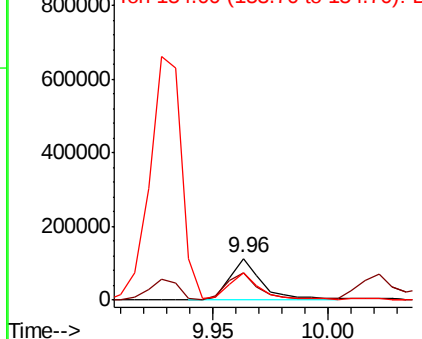
Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.3	56.7	85.1
154	64.1	51.9	77.9

Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





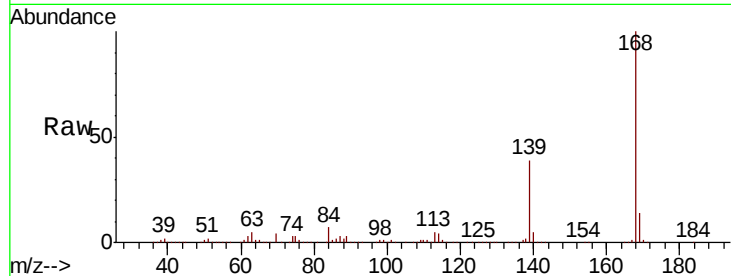
#55
Dibenzenofuran
Concen: 45.784 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	937186		
139	39.0		30.2	45.2
169	13.7		10.8	16.2

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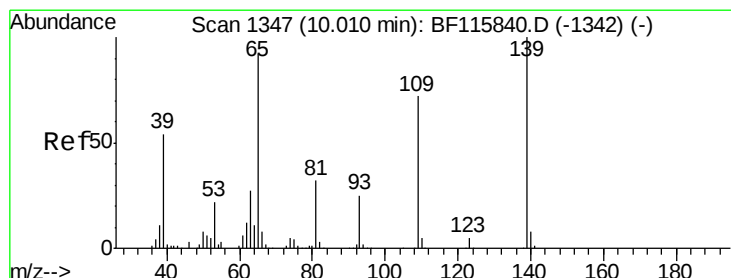
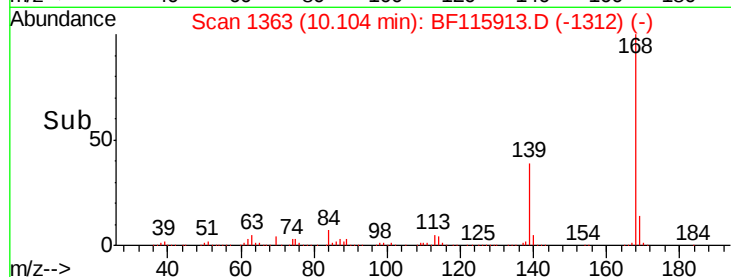
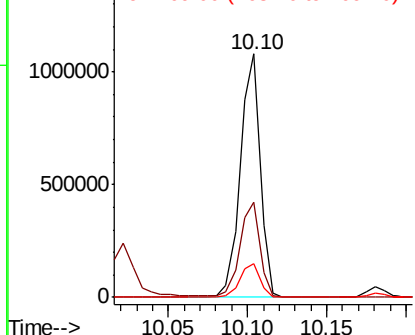


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 81.508 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

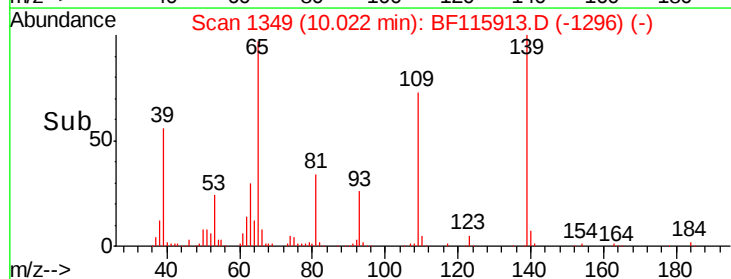
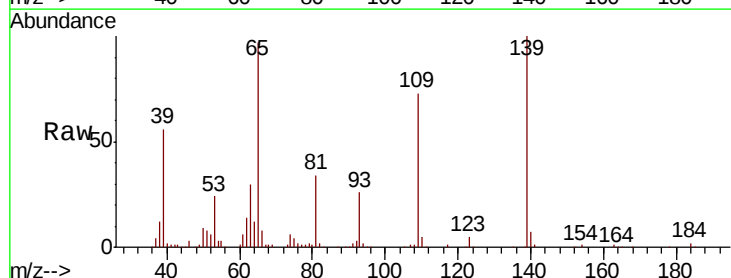
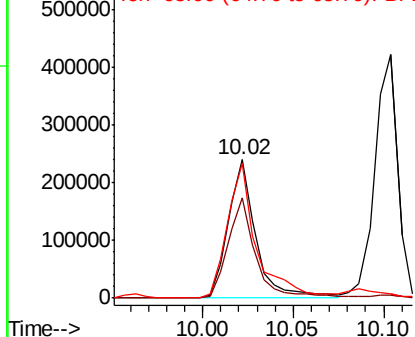
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	255507		
109	72.7		52.0	92.0
65	97.3		72.6	112.6

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





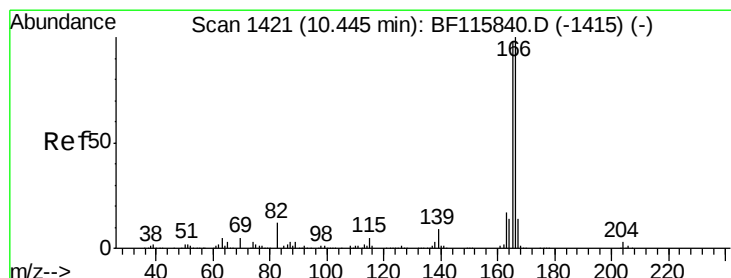
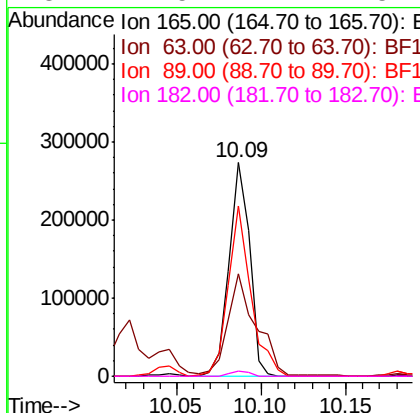
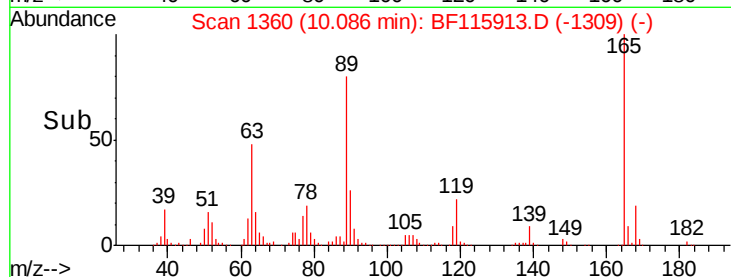
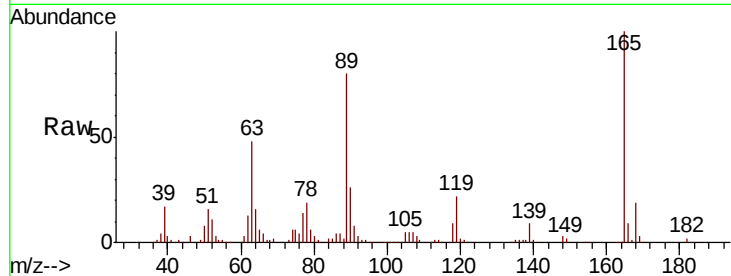
#57
 2,4-Dinitrotoluene
 Concen: 43.795 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		230923		
63	47.8	33.2	49.8		
89	79.6	57.3	85.9		
182	2.5	2.1	3.1		

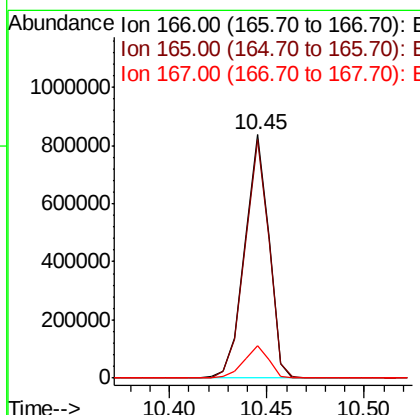
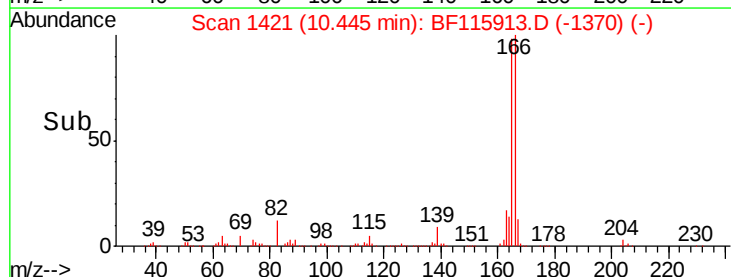
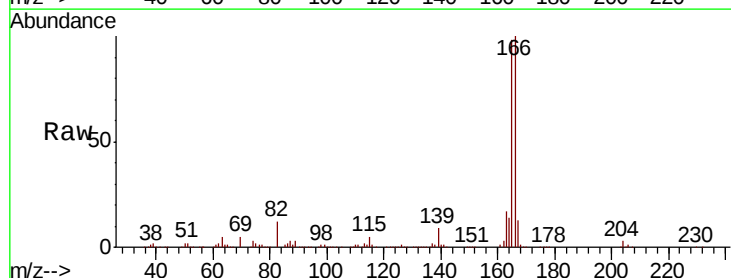
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#58
 Fluorene
 Concen: 45.767 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		720776		
165	98.1	78.6	118.0		
167	13.5	10.9	16.3		





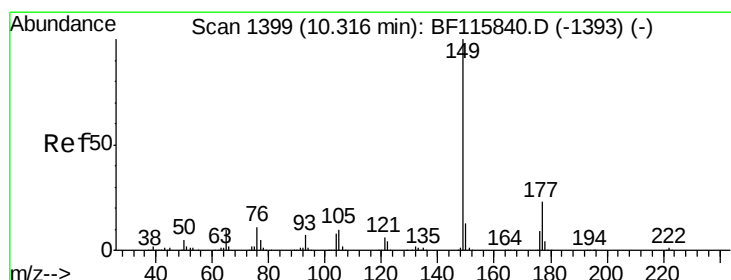
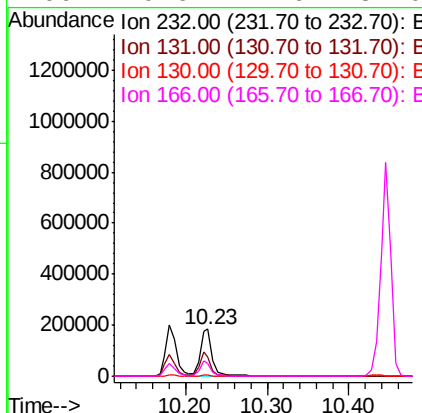
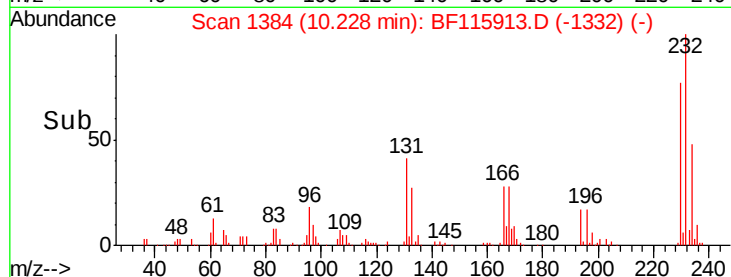
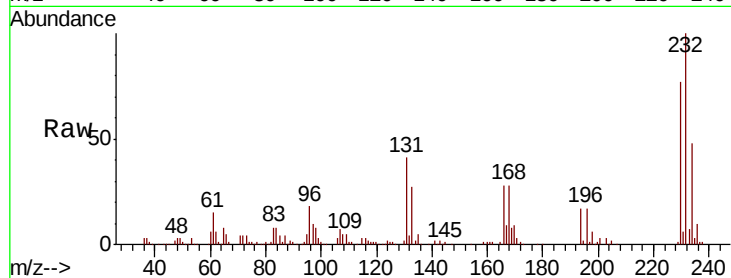
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.736 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.6	56.4
130	2.4	1.8	2.8
166	29.6	24.6	37.0

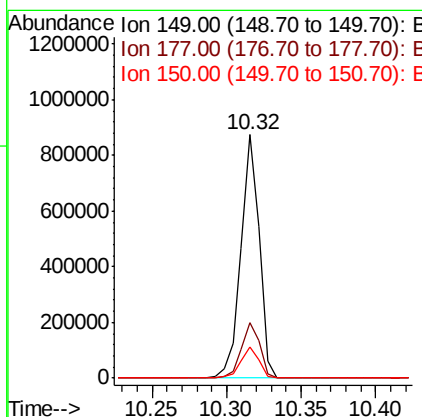
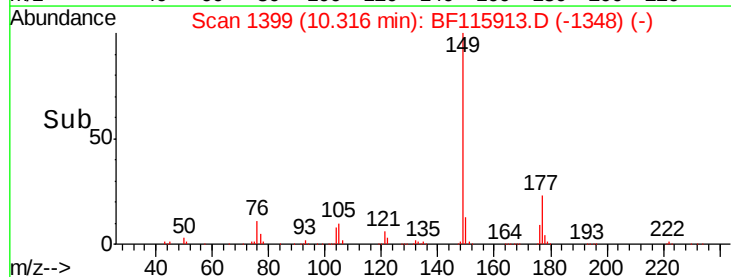
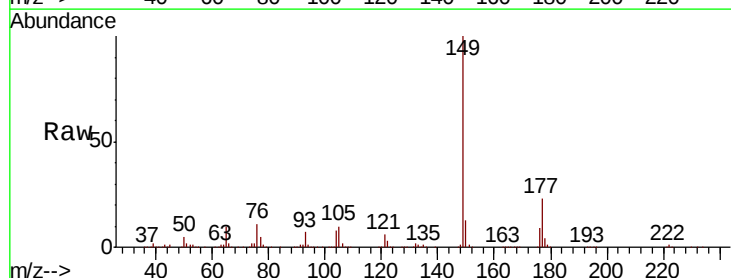
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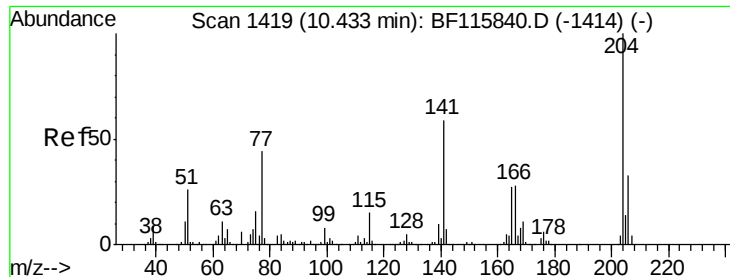
mohammad
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#60
 Diethylphthalate
 Concen: 43.998 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	13.0	10.1	15.1





#61

4-Chlorophenyl-phenylether

Concen: 44.676 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

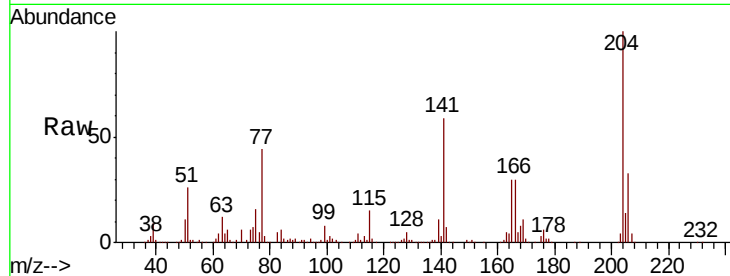
ClientSampleId :

HD-01-073019MS

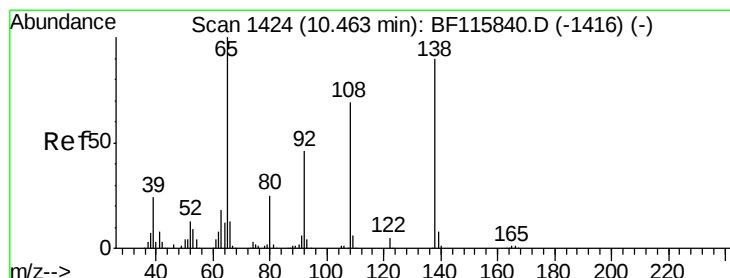
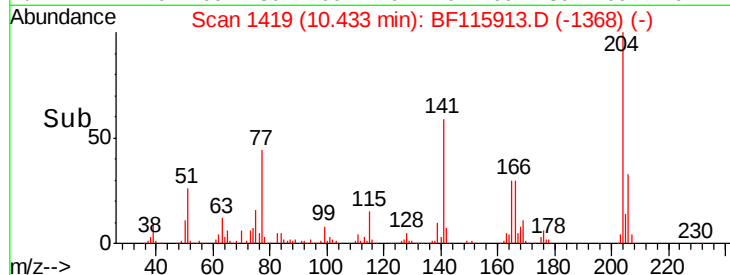
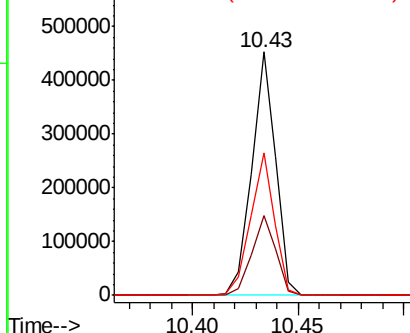
Tot Ion:	204	Resp:	356337
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.4	39.6
141	58.6	47.0	70.4

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Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 35.657 ng

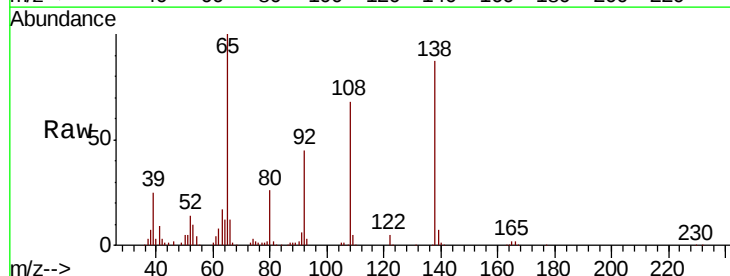
RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

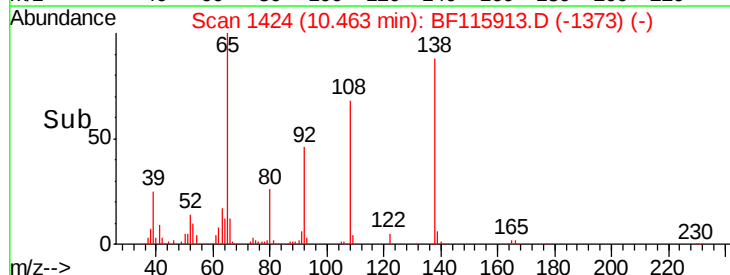
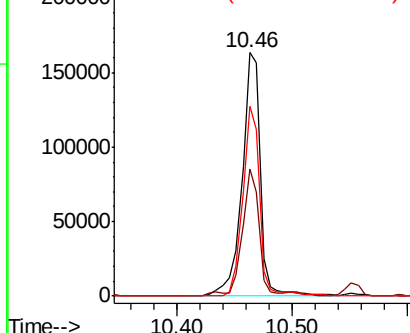
Lab File: BF115913.D

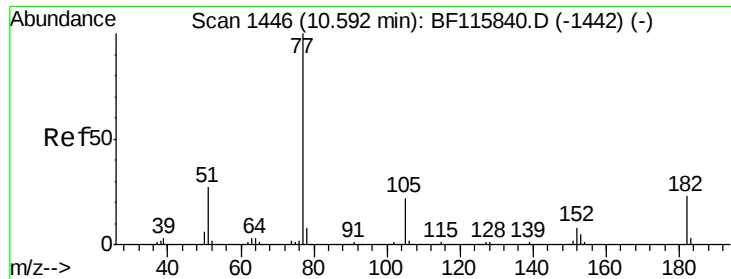
Acq: 1 Aug 2019 18:22

Tgt Ion:	138	Resp:	180321
Ion Ratio	Lower	Upper	
138	100		
92	52.2	31.0	71.0
108	78.0	56.7	96.7



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





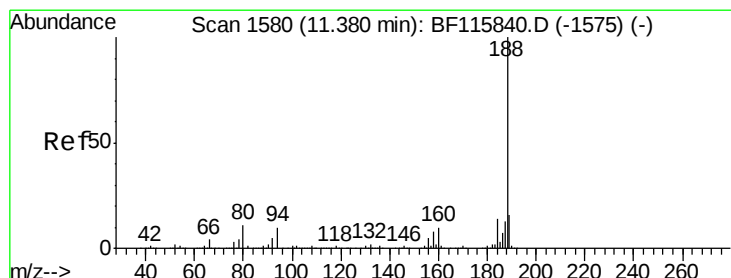
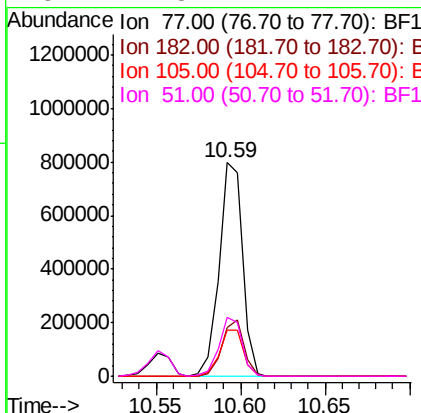
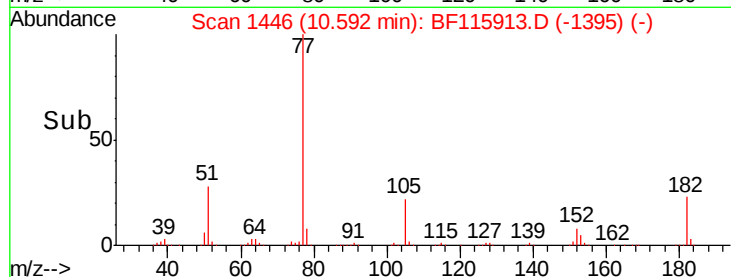
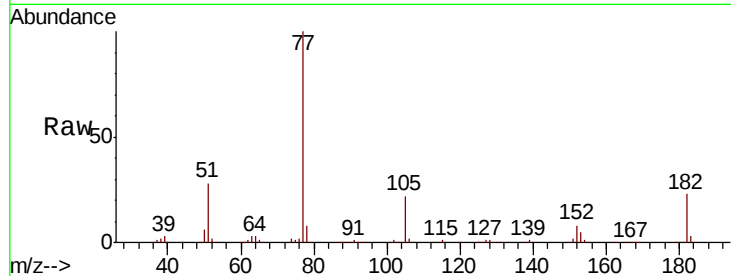
#63
Azobenzene
Concen: 43.891 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		768095		
182	22.7	2.6	42.6		
105	21.7	1.6	41.6		
51	27.8	7.4	47.4		

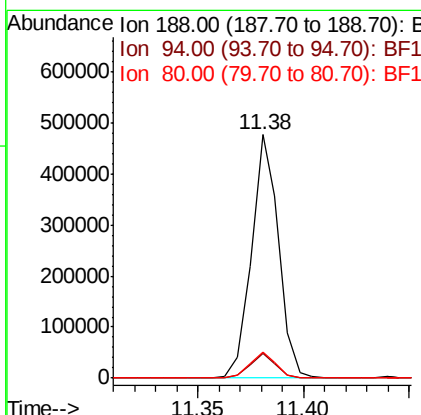
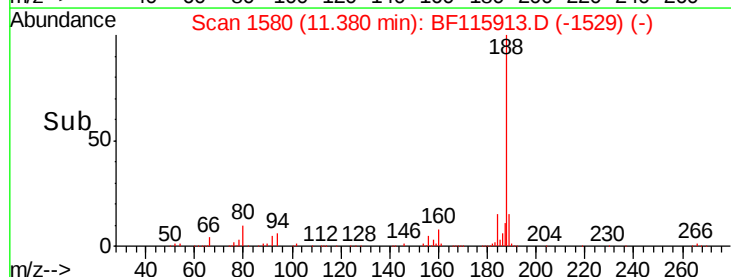
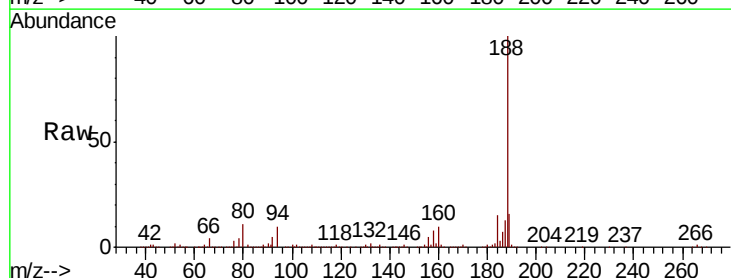
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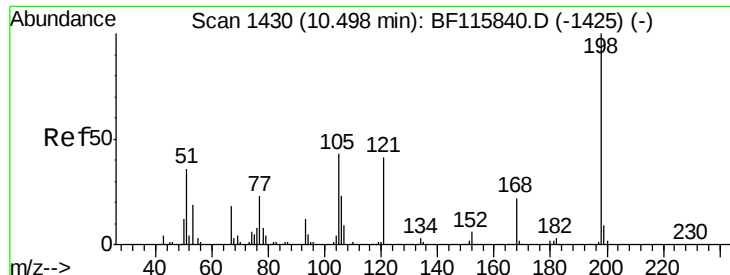
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		424749		
94	10.2	8.0	12.0		
80	10.8	8.6	12.8		





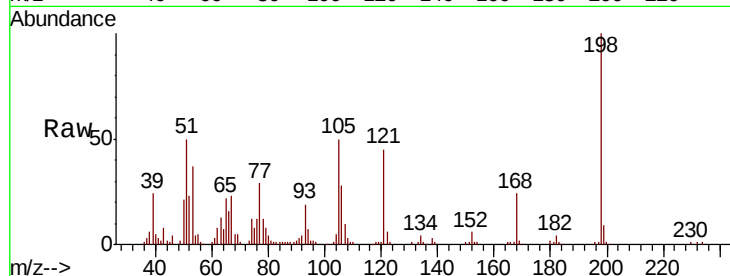
#65
4,6-Dinitro-2-methylphenol
Concen: 36.078 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

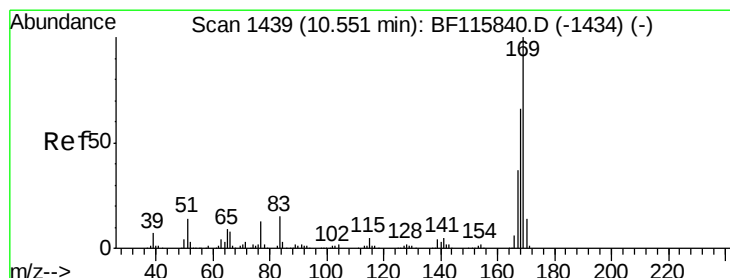
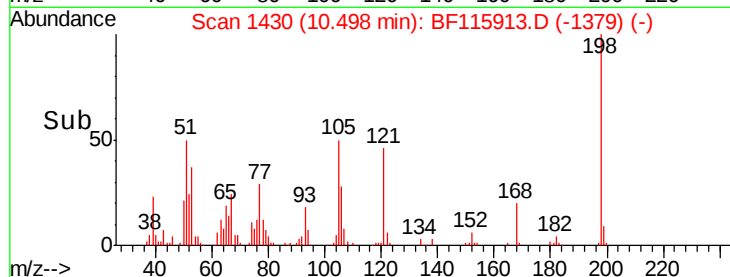
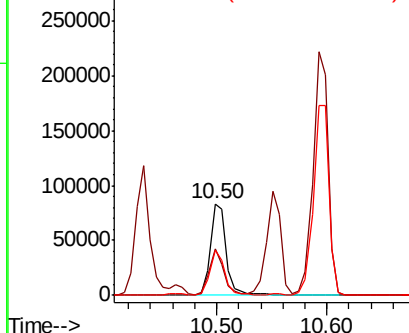
Tot Ion	Ratio	Resp	Lower	Upper
198	100	81208		
51	50.0	21.1	61.1	
105	49.6	24.5	64.5	

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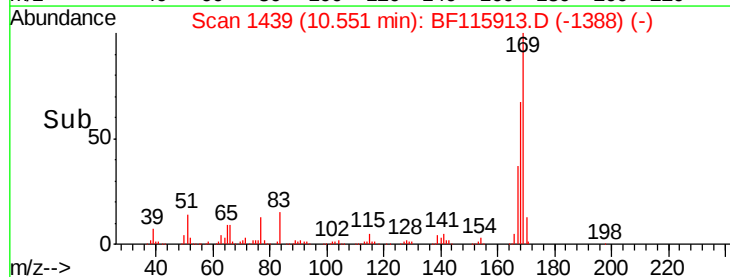
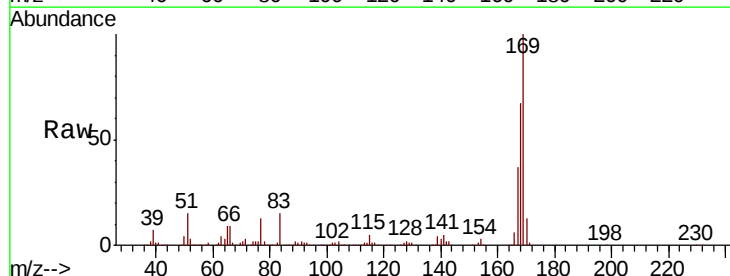
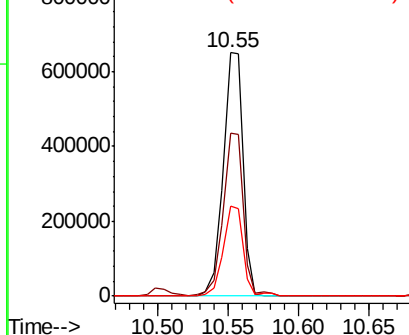
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

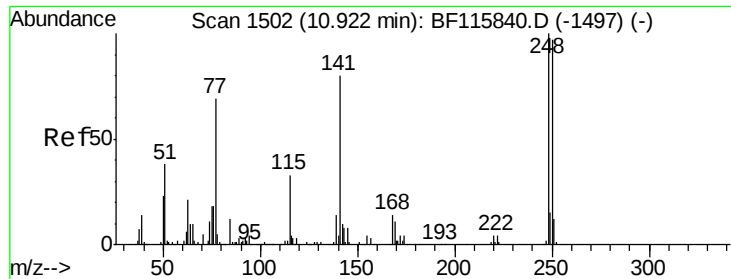


#66
n-Nitrosodiphenylamine
Concen: 49.615 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	634308		
168	66.9	53.0	79.6	
167	37.2	29.9	44.9	

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





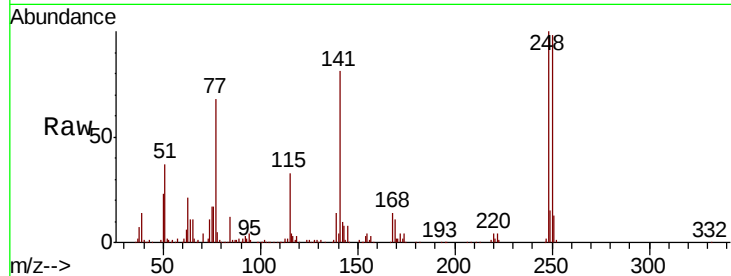
#67
4-Bromophenyl-phenylether
Concen: 47.056 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.8	116.6
141	81.0	64.3	96.5

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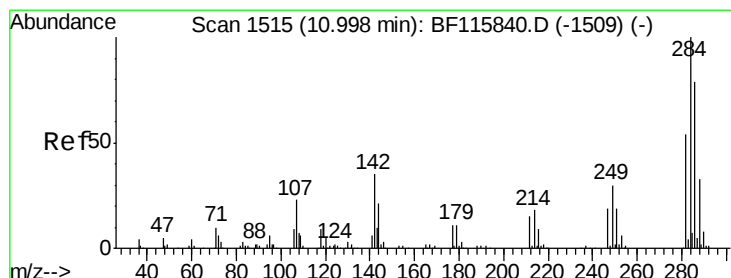
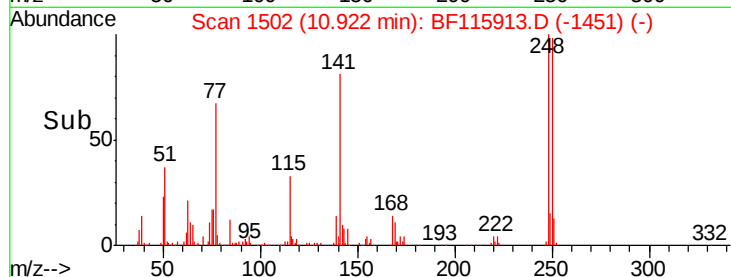
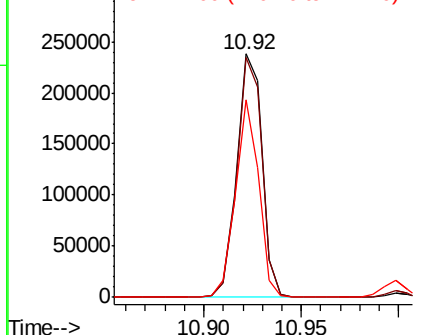


Abundance

Ion 248.00 (247.70 to 248.70): E

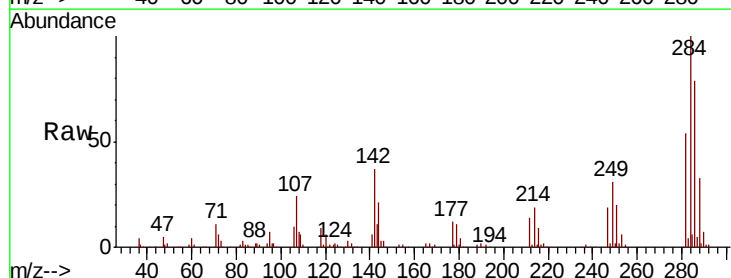
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 43.589 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.7	28.2	42.2
249	30.6	24.0	36.0

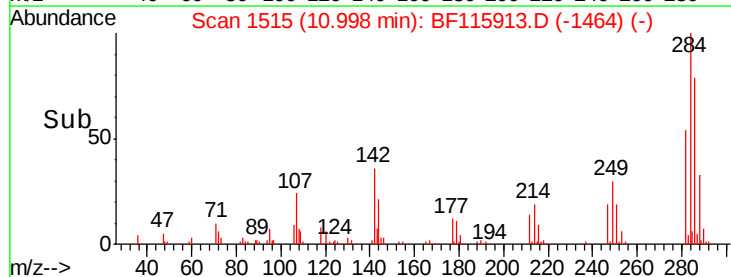
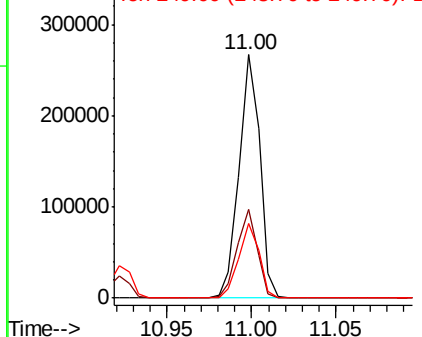


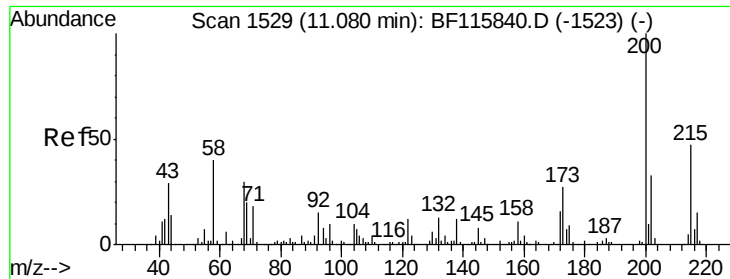
Abundance

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





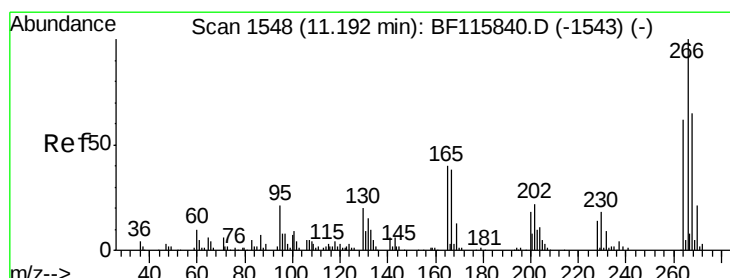
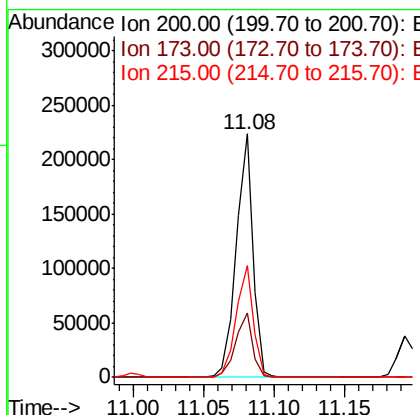
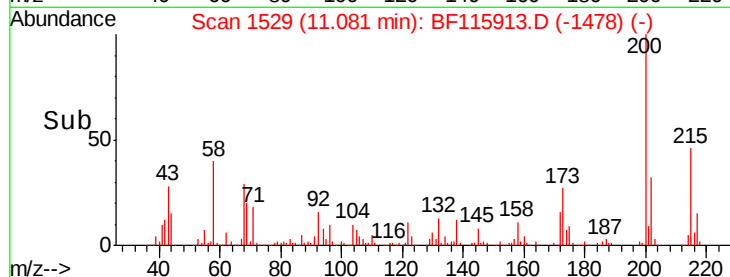
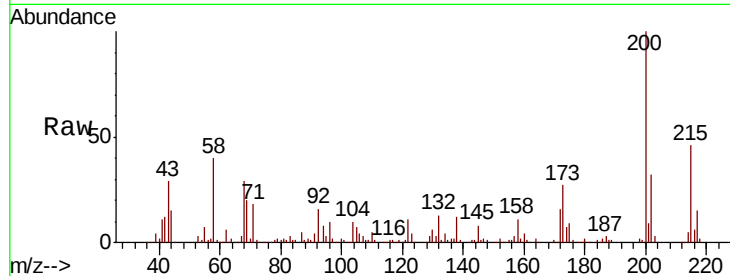
#69
Atrazine
Concen: 43.955 ng
RT: 11.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	184869		
173	26.6	7.3	47.3	
215	46.1	26.9	66.9	

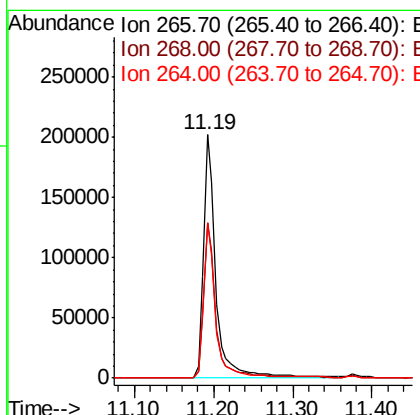
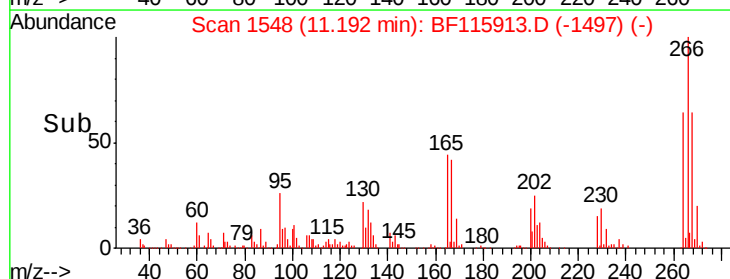
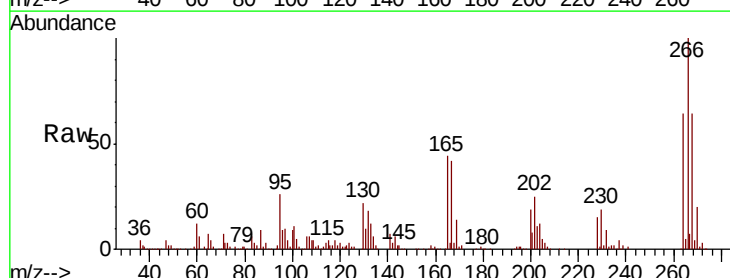
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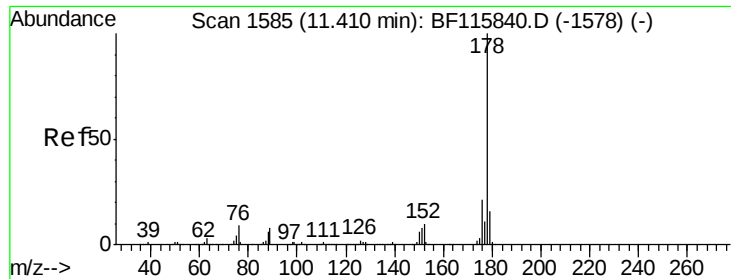
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#70
Pentachlorophenol
Concen: 89.158 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	227590		
268	63.9	51.6	77.4	
264	63.7	49.4	74.0	





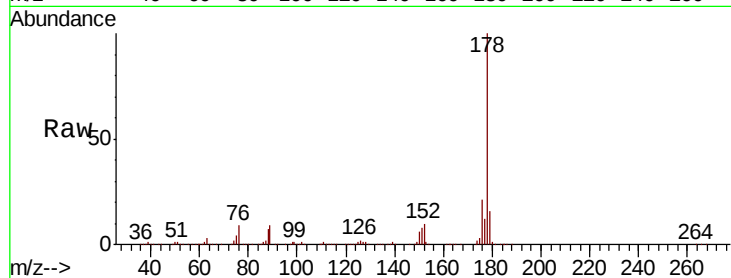
#71
Phenanthrene
Concen: 45.653 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

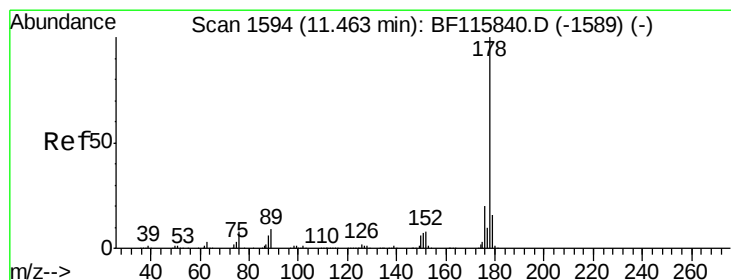
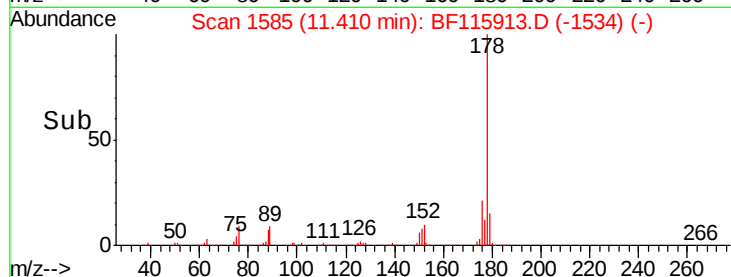
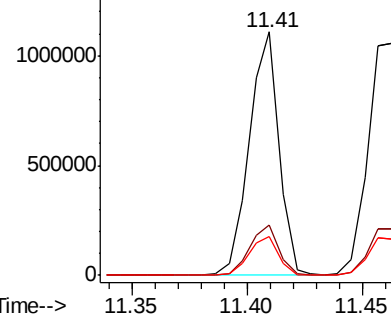
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.5	24.7
179	15.8	12.6	18.8

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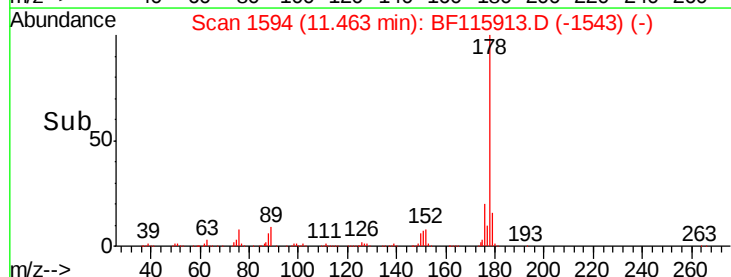
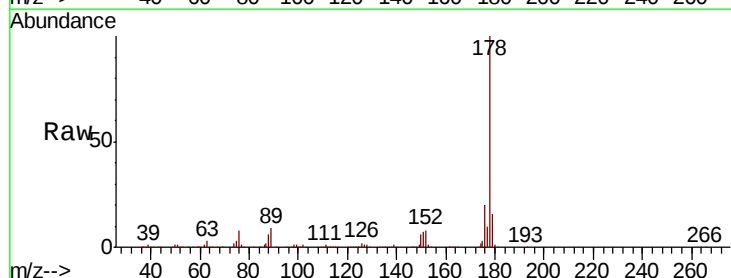
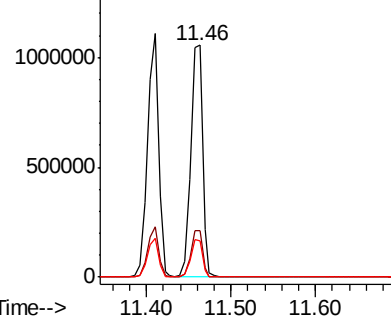
Abundance Ion 178.00 (177.70 to 178.70): E
1500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

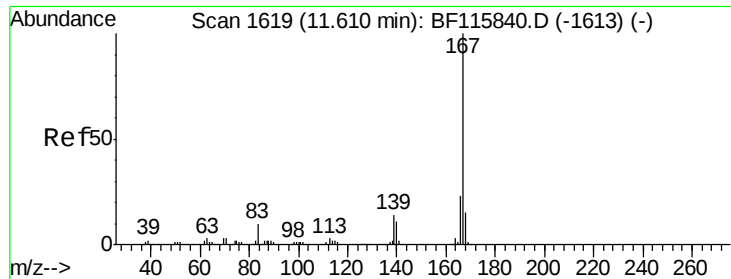


#72
Anthracene
Concen: 46.273 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.6	12.4	18.6

Abundance Ion 178.00 (177.70 to 178.70): E
1500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.329 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

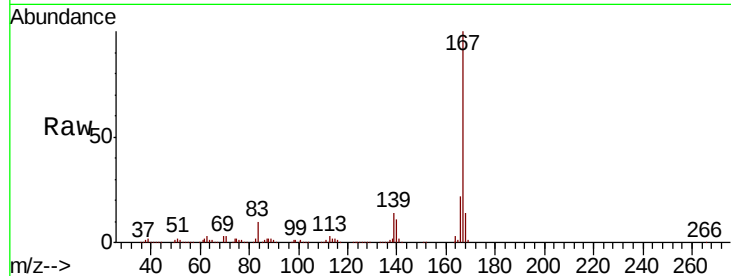
ClientSampleId :

HD-01-073019MS

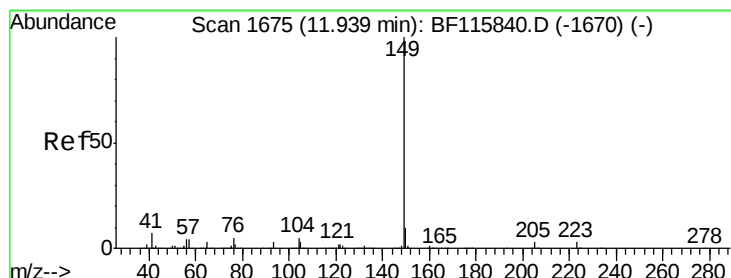
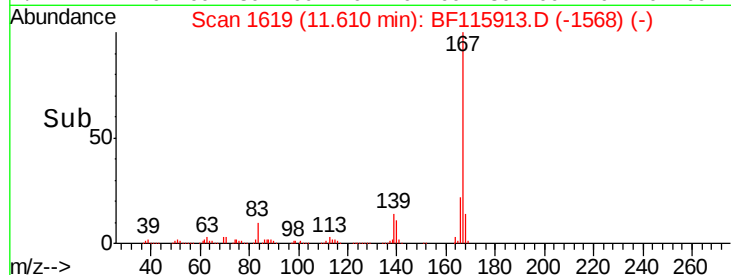
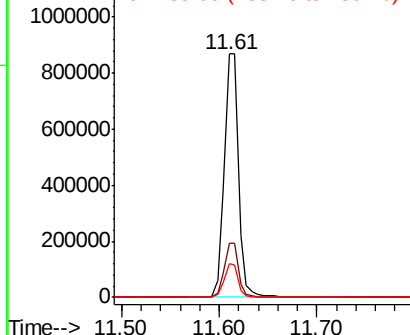
Tot Ion:	167	Resp:	883796
Ion Ratio	Lower	Upper	
167	100		
166	22.2	18.0	27.0
139	13.7	11.4	17.2

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.337 ng

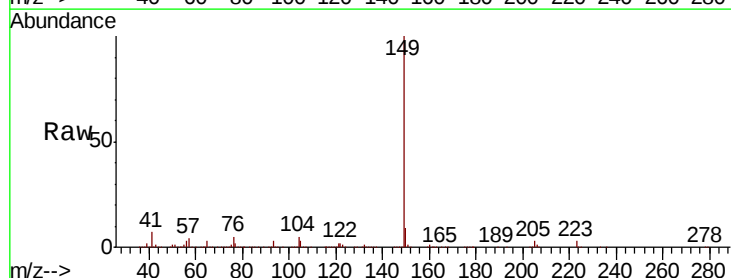
RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

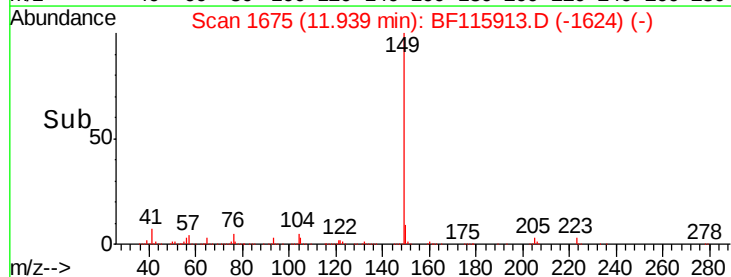
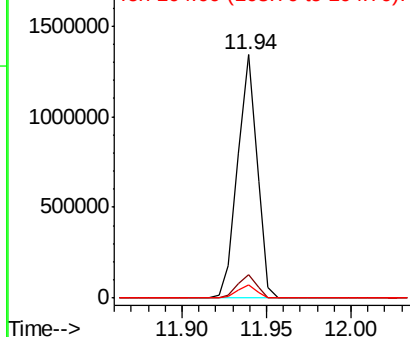
Lab File: BF115913.D

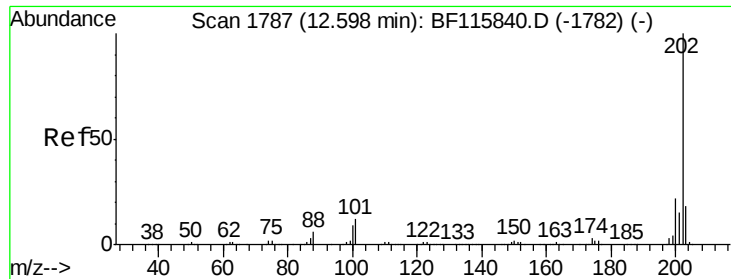
Acq: 1 Aug 2019 18:22

Tgt Ion:	149	Resp:	1077699
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.7	11.5
104	5.2	4.3	6.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





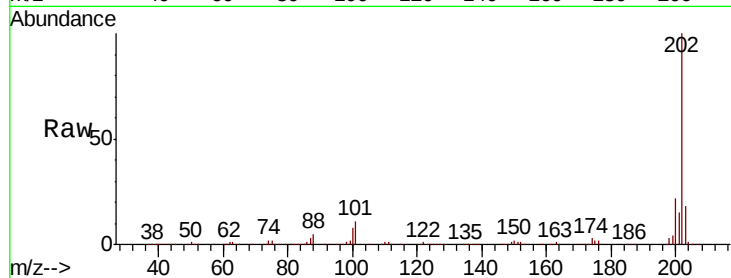
#75
 Fluoranthene
 Concen: 39.609 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	31.5
203	17.9	0.0	37.9

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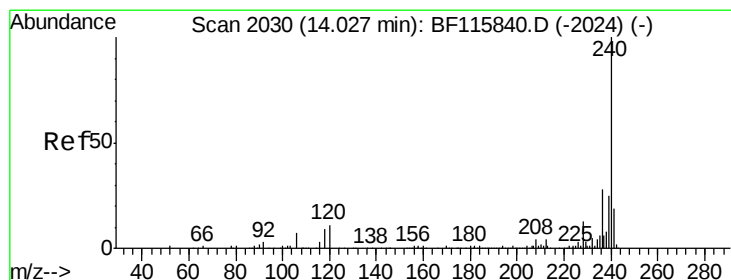
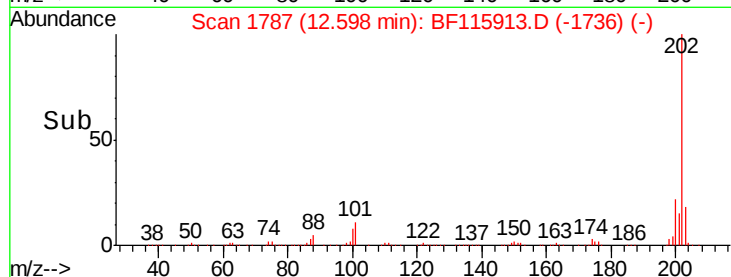
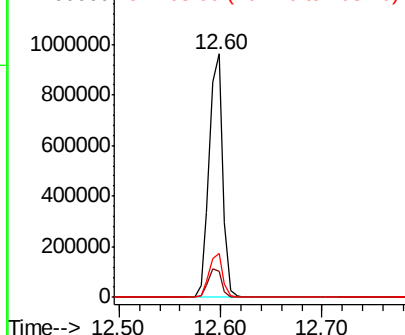


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

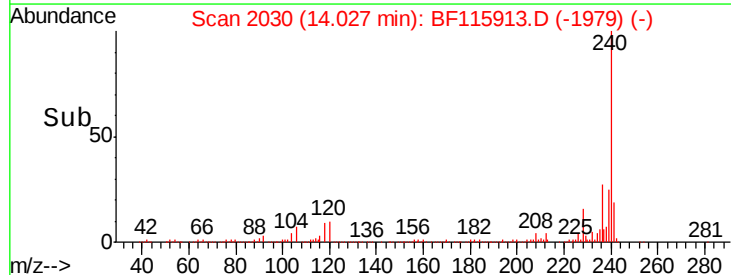
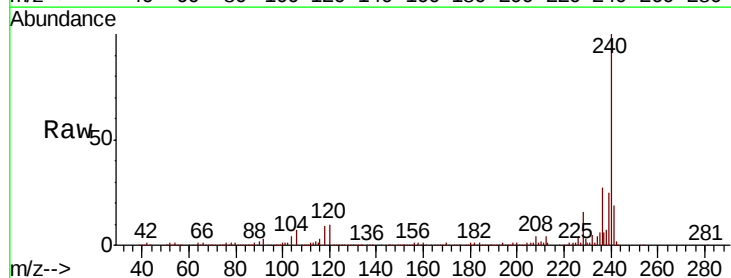
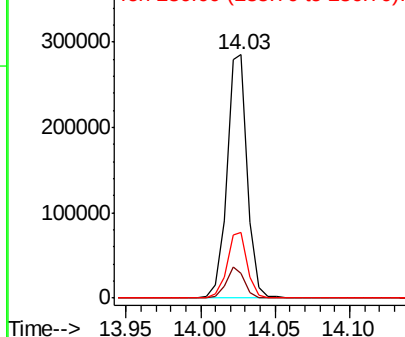
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.2	8.5	12.7
236	27.0	22.2	33.2

Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





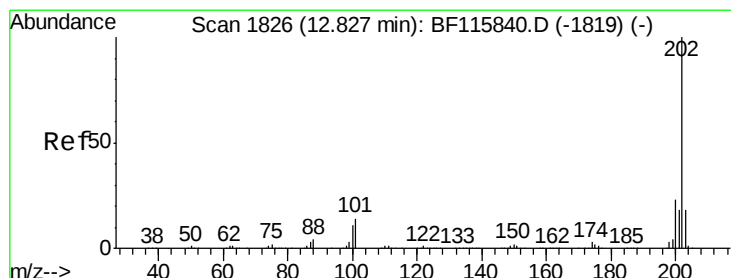
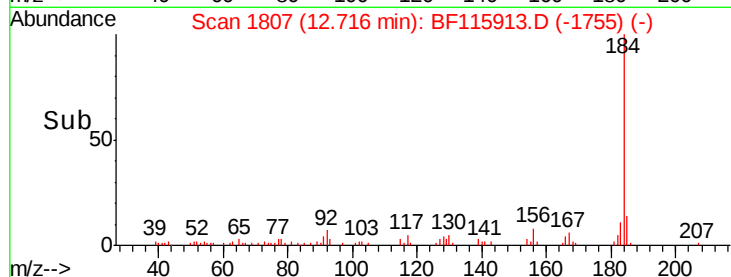
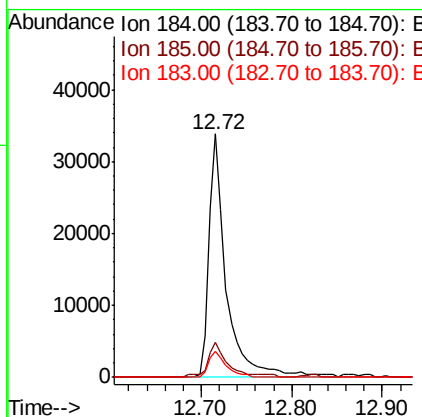
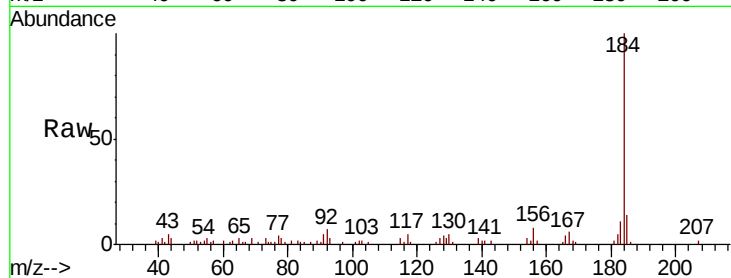
#77
Benzidine
Concen: 4.933 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.3	13.4	20.2
183	10.7	9.1	13.7

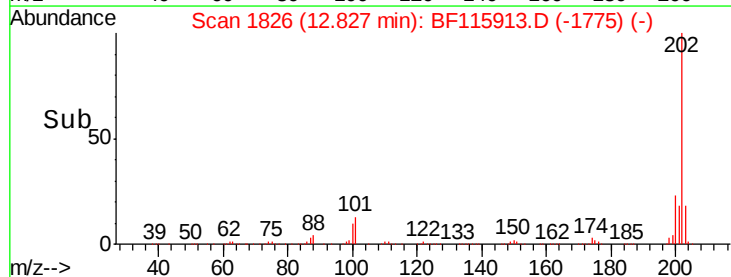
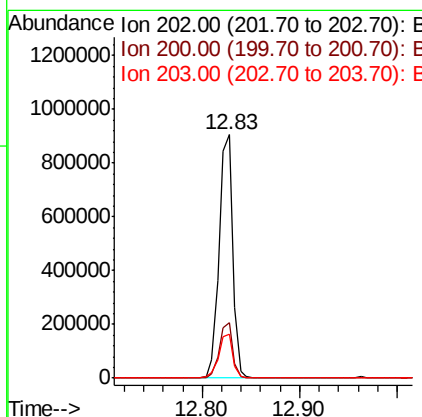
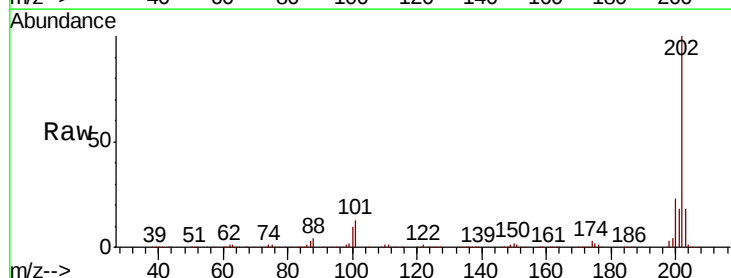
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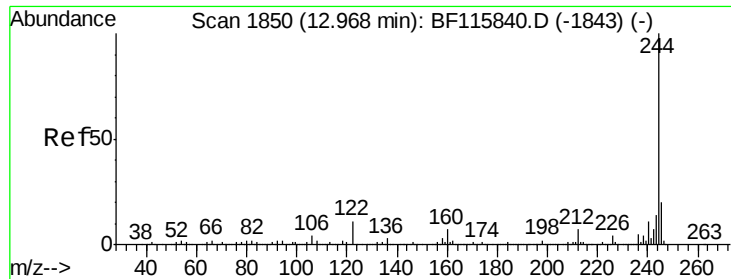
mohammad
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#78
Pyrene
Concen: 42.578 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.2
203	17.9	14.3	21.5





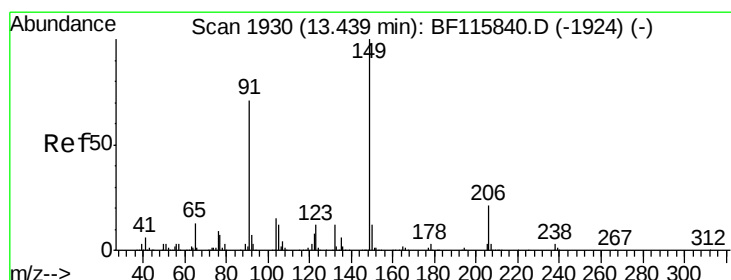
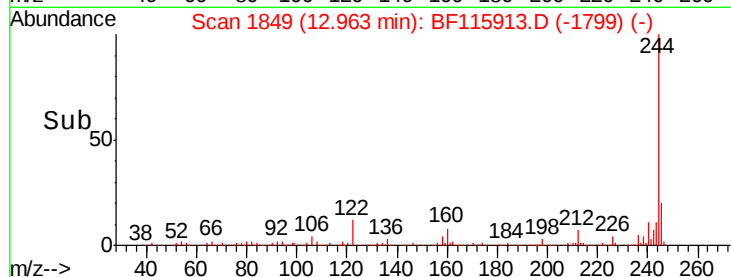
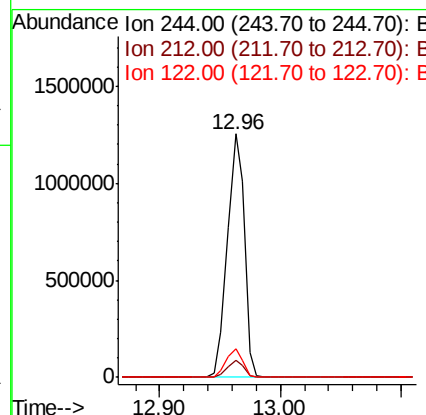
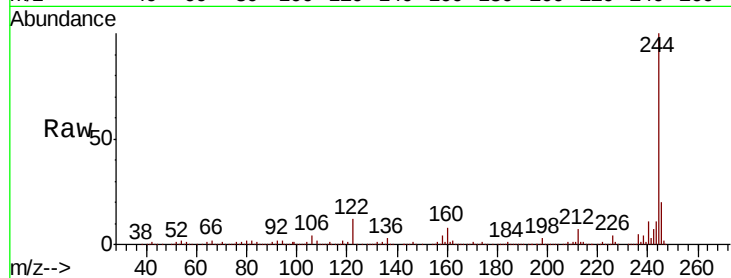
#79
 Terphenyl-d14
 Concen: 93.464 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.0	8.6	13.0

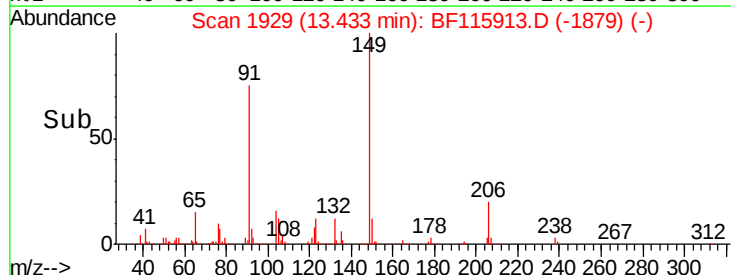
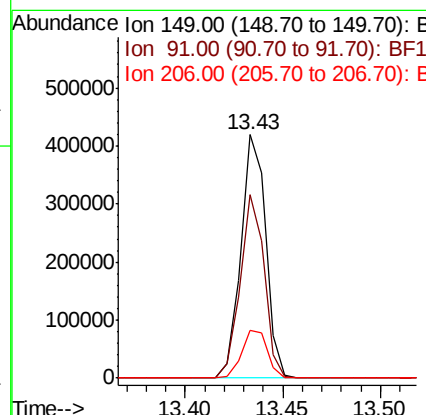
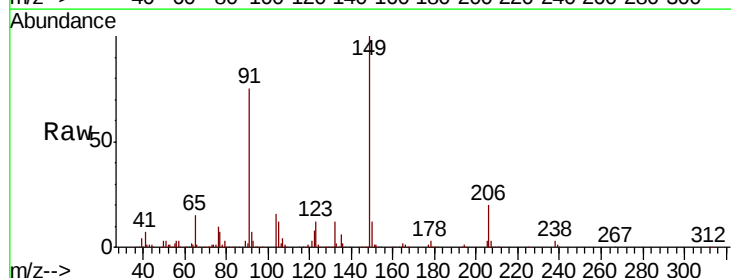
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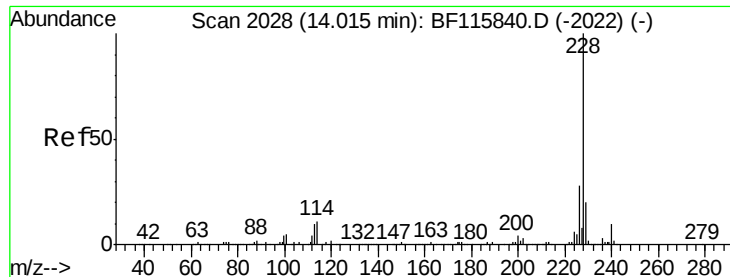
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#80
 Butylbenzylphthalate
 Concen: 42.236 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.4	57.0	85.6
206	19.9	16.9	25.3





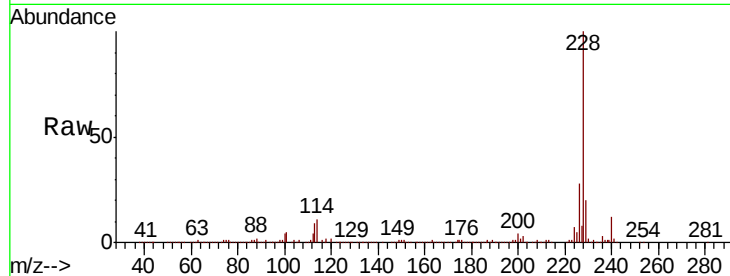
#81
Benzo(a)anthracene
Concen: 43.461 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	19.9	16.1	24.1

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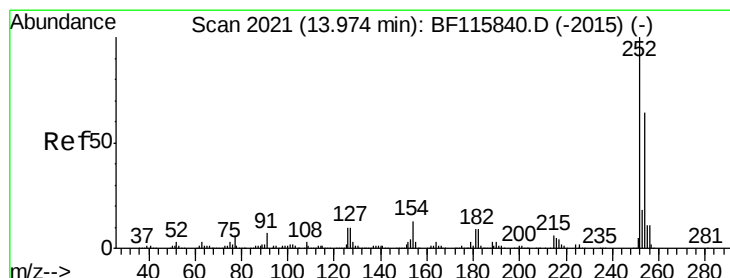
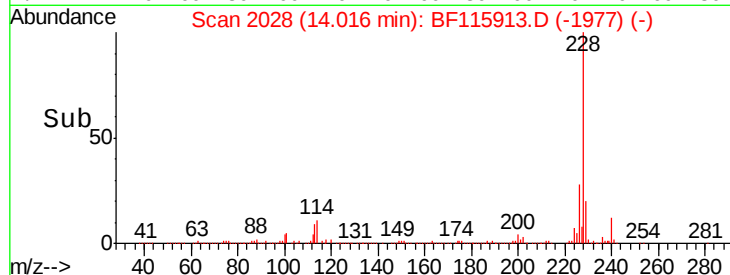
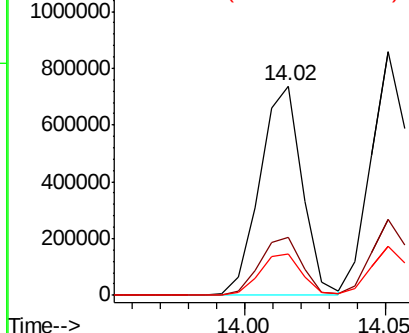


Abundance

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: 28.716 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

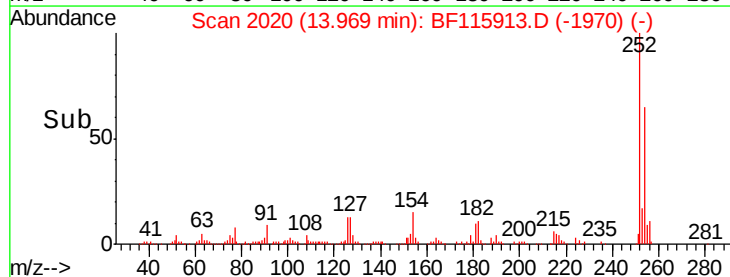
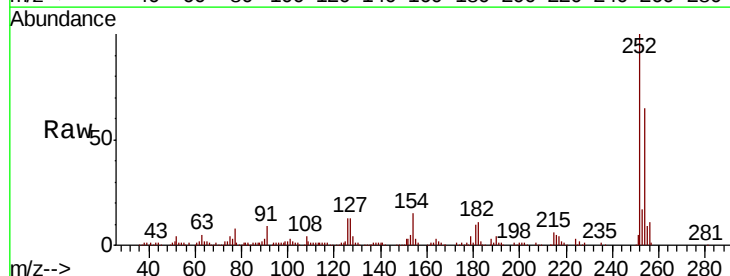
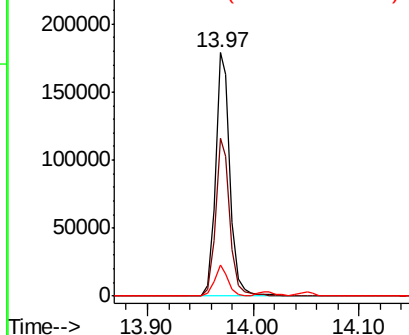
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.2	76.8
126	12.9	8.1	12.1#

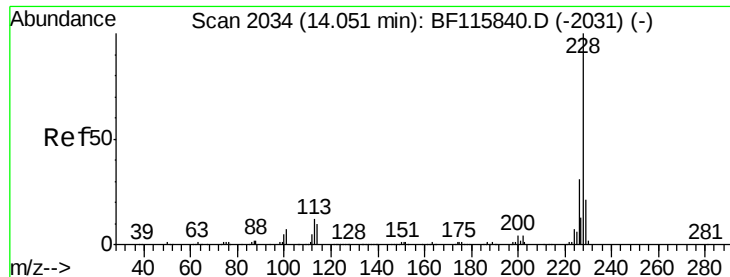
Abundance

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





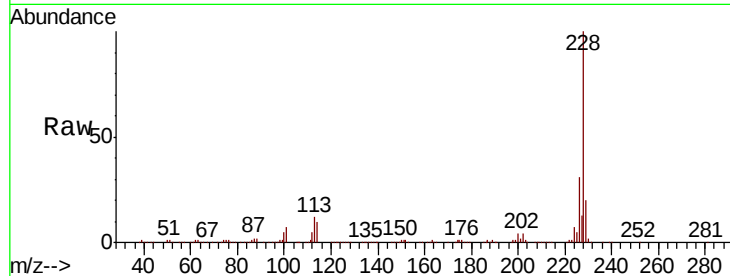
#83
 Chrvsene
 Concen: 44.589 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MS

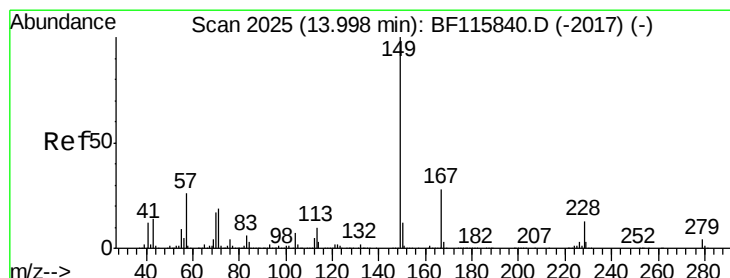
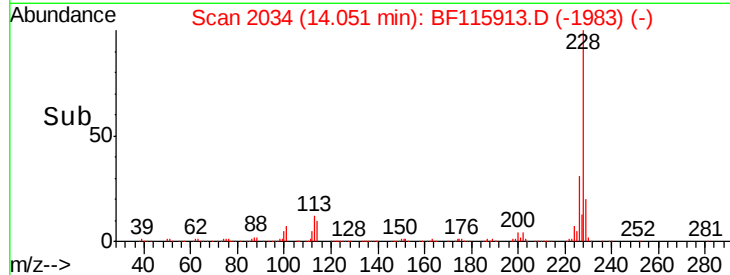
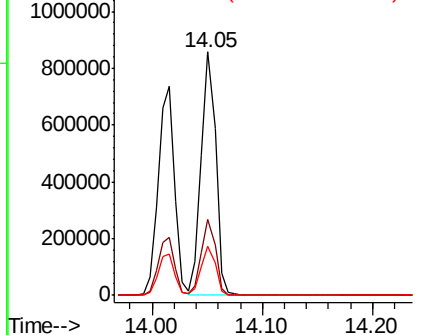
Tot Ion:	228	Resp:	761135
Ion Ratio		Lower	Upper
228	100		
226	31.1	24.8	37.2
229	20.3	16.4	24.6

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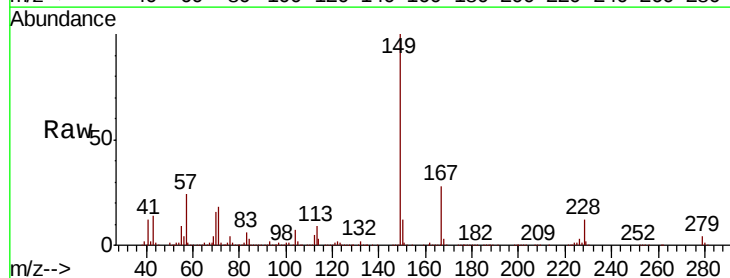


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

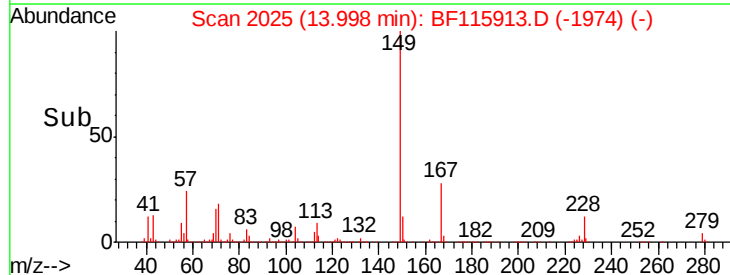
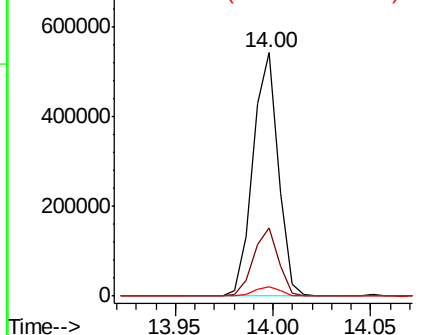


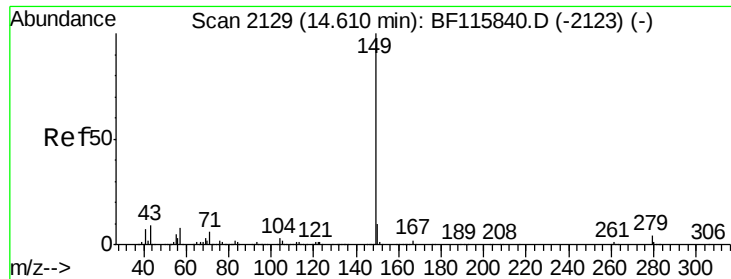
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.637 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115913.D
 Acq: 1 Aug 2019 18:22

Tgt Ion:	149	Resp:	486008
Ion Ratio		Lower	Upper
149	100		
167	27.9	22.4	33.6
279	4.1	3.3	4.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





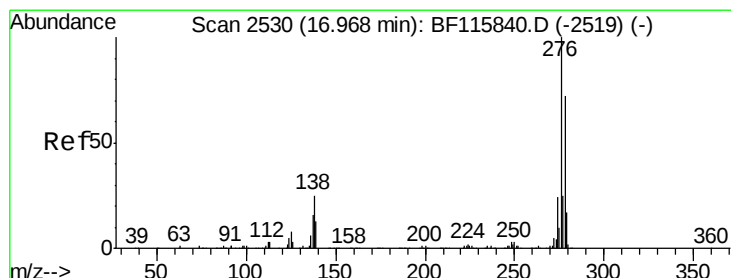
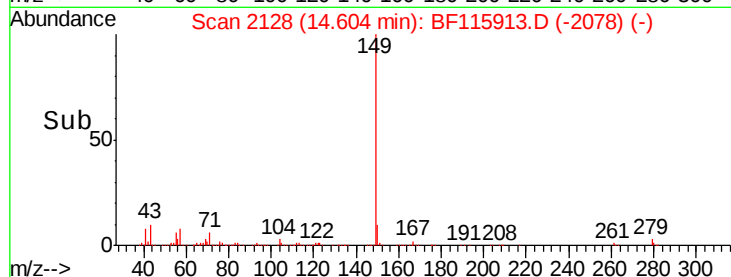
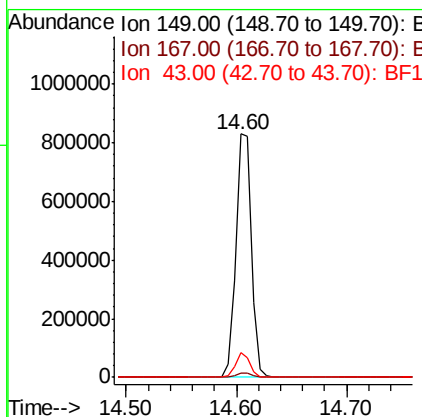
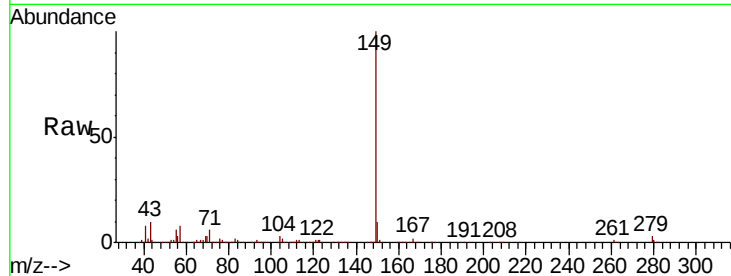
#85
Di-n-octyl phthalate
Concen: 45.394 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	821868		
167	1.6		1.2	1.8
43	9.1		7.4	11.0

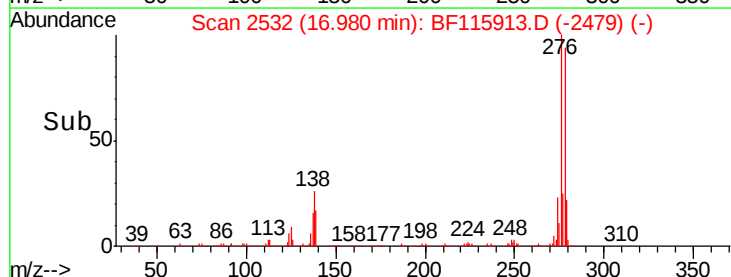
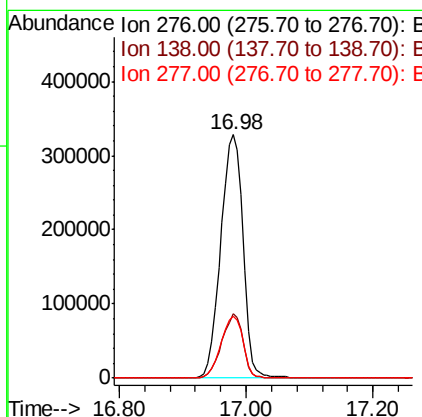
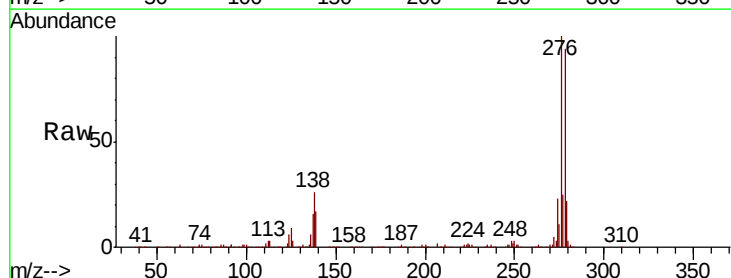
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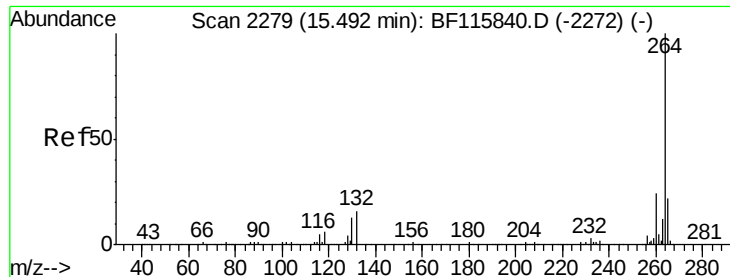
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#86
Indeno(1,2,3-cd)pyrene
Concen: 55.928 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	801835		
138	25.2		19.6	29.4
277	25.2		20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Instrument :

BNA_F

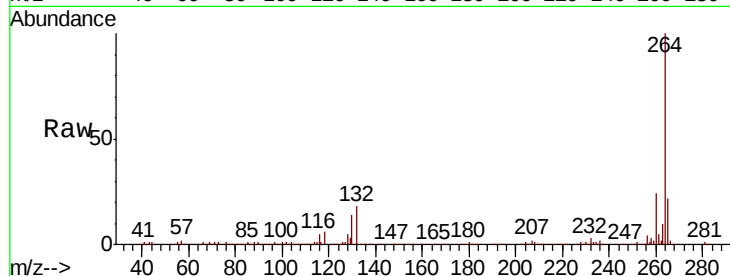
ClientSampleId :

HD-01-073019MS

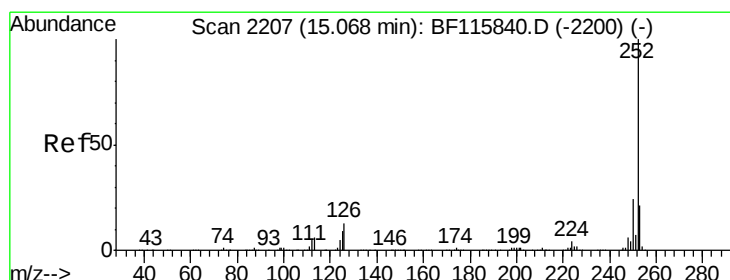
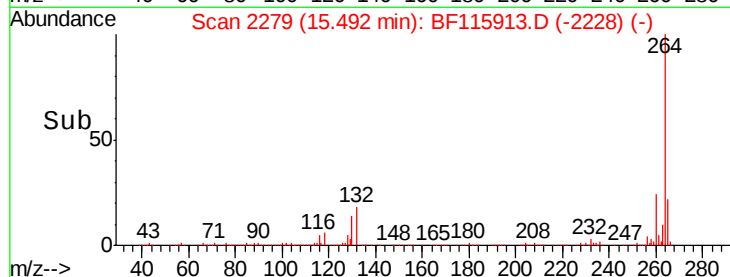
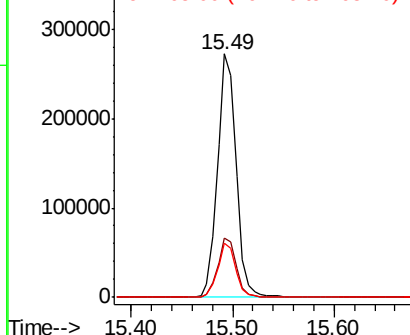
Tot Ion:	264	Resp:	347431
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.4	29.2
265	22.3	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 42.150 ng

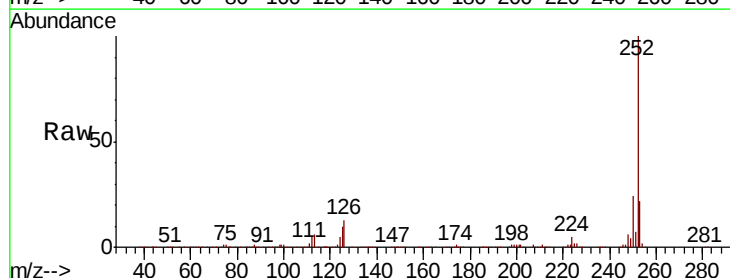
RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

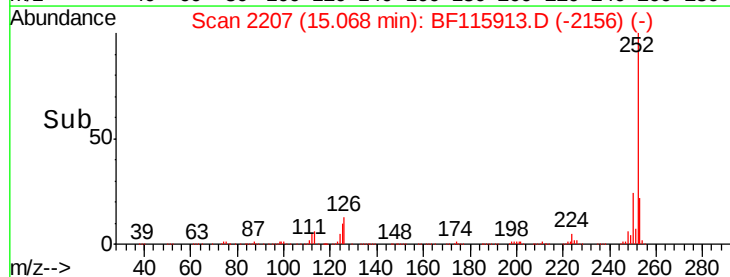
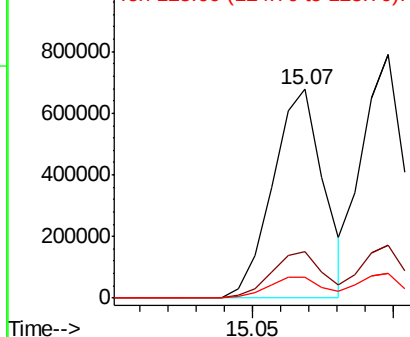
Lab File: BF115913.D

Acq: 1 Aug 2019 18:22

Tgt Ion:	252	Resp:	846743
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	9.8	7.4	11.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





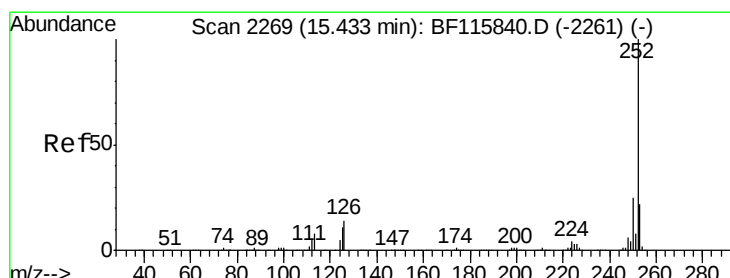
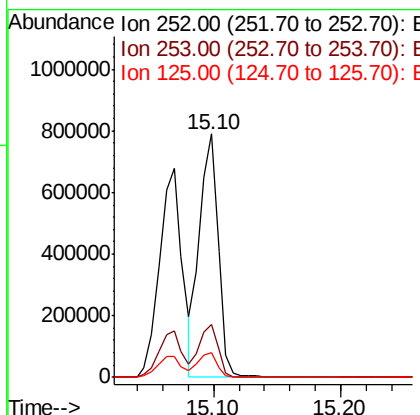
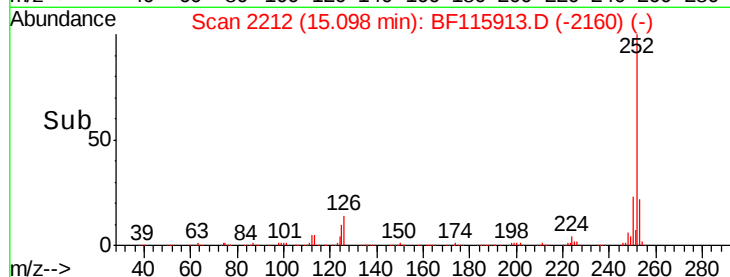
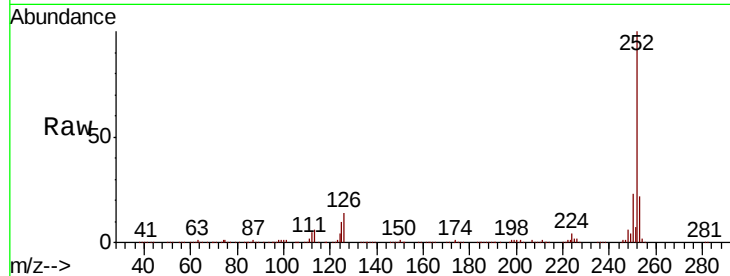
#89
Benzo(k)fluoranthene
Concen: 41.442 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	10.0	8.9	13.3

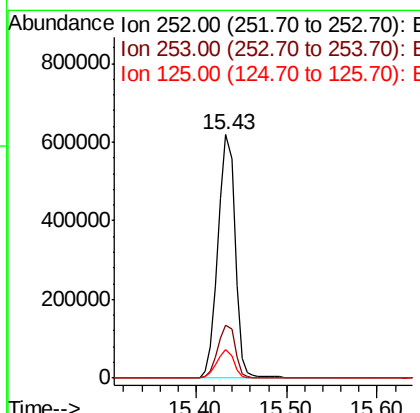
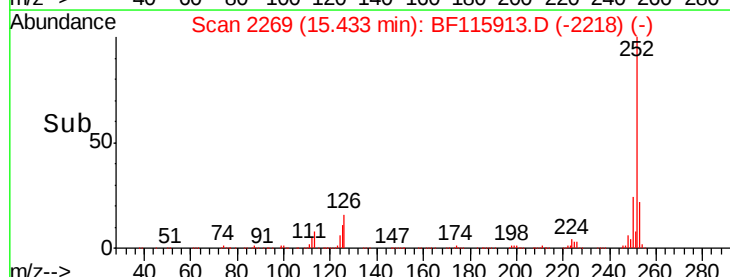
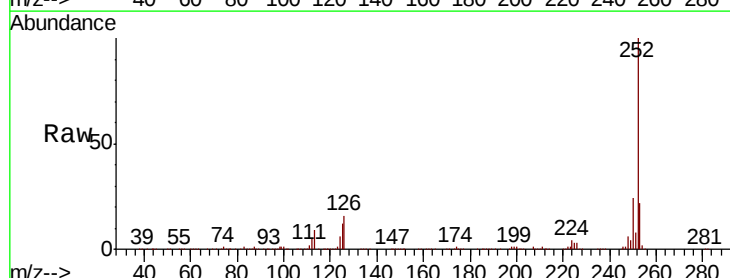
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#90
Benzo(a)pyrene
Concen: 45.202 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.6	8.8	13.2





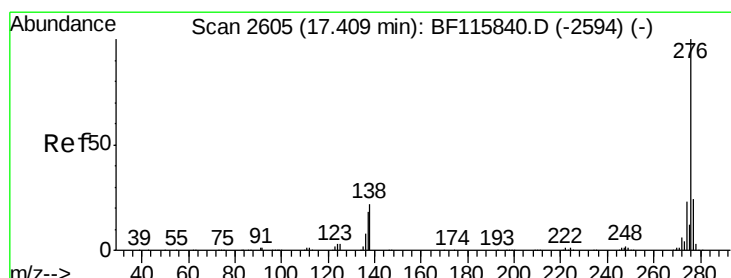
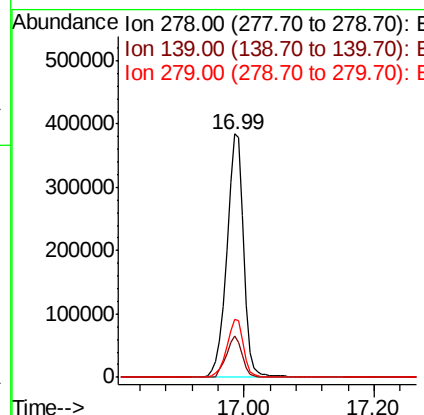
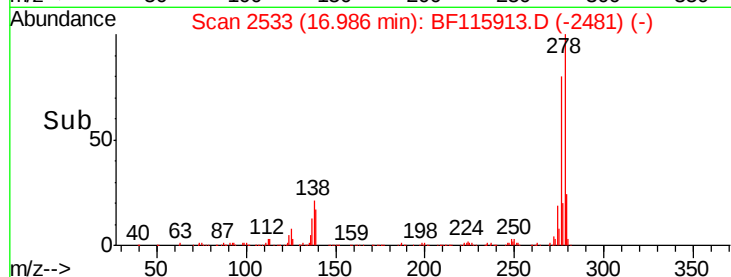
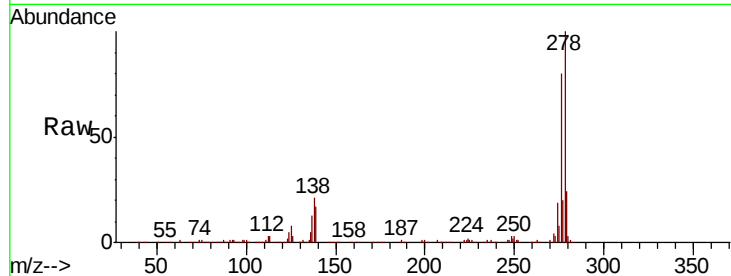
#91
Dibenzo(a,h)anthracene
Concen: 44.231 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.6	19.0
279	23.7	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/5/2019 1:48:08 PM



#92
Benzo(g,h,i)perylene
Concen: 40.636 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF115913.D
Acq: 1 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	21.0	17.8	26.8

