

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
 Data File : BF115914.D
 Acq On : 1 Aug 2019 18:49
 Operator : HP/JU
 Sample : K3618-10MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Manual Integrations
 APPROVED

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 8/5/2019 1:48:10 PM

Quant Time: Aug 02 06:37:27 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	6.86	152	145286	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	543774	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	278590	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	434705	20.00	ng	0.00
76) Chrysene-d12	14.03	240	279019	20.00	ng	0.00
87) Perylene-d12	15.49	264	360044	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1006067	115.92	ng	0.02
7) Phenol-d6	6.50	99	1217163	111.16	ng	0.01
23) Nitrobenzene-d5	7.42	82	905160	96.09	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	345520	127.92	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1532323	103.02	ng	0.00
79) Terphenyl-d14	12.97	244	1406085	106.19	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.80	88	151195	34.485	ng	# 86
3) Pyridine	3.52	79	195155	15.934	ng	99
4) n-Nitrosodimethylamine	3.43	42	180673	37.381	ng	99
6) Aniline	6.52	93	123541	7.878	ng	# 84
8) 2-Chlorophenol	6.65	128	394123	41.068	ng	99
9) Benzaldehyde	6.40	77	122995	16.280	ng	98
10) Phenol	6.51	94	435951	33.810	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	389578	41.095	ng	97
12) 1,3-Dichlorobenzene	6.80	146	443578	39.994	ng	99
13) 1,4-Dichlorobenzene	6.87	146	449672	40.493	ng	97
14) 1,2-Dichlorobenzene	7.03	146	404974	39.605	ng	98
15) Benzyl Alcohol	7.00	79	346562	41.706	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	505934	39.126	ng	93
17) 2-Methylphenol	7.11	107	330297	40.646	ng	99
18) Hexachloroethane	7.37	117	167820	41.046	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	275780	40.644	ng	99
20) 3+4-Methylphenols	7.26	107	389485	40.503	ng	# 76
22) Acetophenone	7.26	105	546490	45.825	ng	99
24) Nitrobenzene	7.43	77	454045	44.637	ng	99
25) Isophorone	7.67	82	786836	43.681	ng	100
26) 2-Nitrophenol	7.75	139	217723	45.408	ng	99
27) 2,4-Dimethylphenol	7.79	122	361677	50.137	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	482532	43.219	ng	99
29) 2,4-Dichlorophenol	8.00	162	346161	45.448	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	379827	43.747	ng	99
31) Naphthalene	8.16	128	1154800	45.129	ng	100
32) Benzoic acid	7.93	122	186553	36.680	ng	99
33) 4-Chloroaniline	8.21	127	42687	3.734	ng	98
34) Hexachlorobutadiene	8.27	225	222473	44.486	ng	98
35) Caprolactam	8.58	113	79156m	32.132	ng	
36) 4-Chloro-3-methylphenol	8.70	107	358142	45.198	ng	97
37) 2-Methylnaphthalene	8.85	142	772310	45.828	ng	99
38) 1-Methylnaphthalene	8.95	142	723216	45.362	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	360586	48.415	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	165972	51.887	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	232478	45.349	ng	98
44) 2,4,5-Trichlorophenol	9.18	196	246870	46.586	ng	97
46) 1,1'-Biphenyl	9.32	154	936902	47.635	ng	100
47) 2-Chloronaphthalene	9.35	162	741168	45.276	ng	100
48) 2-Nitroaniline	9.44	65	229395	42.395	ng	95
49) Acenaphthylene	9.76	152	1116530	46.752	ng	100
50) Dimethylphthalate	9.62	163	914426	48.207	ng	100
51) 2,6-Dinitrotoluene	9.68	165	189978	46.086	ng	93
52) Acenaphthene	9.93	154	669099	45.668	ng	99
53) 3-Nitroaniline	9.85	138	62629	12.296	ng	88
54) 2,4-Dinitrophenol	9.96	184	127028	62.482	ng	99
55) Dibenzofuran	10.10	168	1000391	46.952	ng	98
56) 4-Nitrophenol	10.02	139	264681	81.117	ng	96
57) 2,4-Dinitrotoluene	10.09	165	246935	44.992	ng	98
58) Fluorene	10.45	166	769449	46.938	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	203943	45.745	ng	98
60) Diethylphthalate	10.32	149	794601	44.868	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	386543	46.559	ng	98
62) 4-Nitroaniline	10.47	138	184018	34.958	ng	99
63) Azobenzene	10.60	77	837376	45.970	ng	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	94231	40.905	ng	96
66) n-Nitrosodiphenylamine	10.56	169	666105	50.909	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	236659	50.856	ng	93
68) Hexachlorobenzene	11.00	284	266903	49.601	ng	97
69) Atrazine	11.08	200	175922	40.870	ng	99
70) Pentachlorophenol	11.20	266	243304	93.131	ng	98
71) Phenanthrene	11.41	178	1073084	48.287	ng	99
72) Anthracene	11.46	178	1132162	50.339	ng	99
73) Carbazole	11.62	167	920130	45.094	ng	99
74) Di-n-butylphthalate	11.94	149	1135167	47.690	ng	99
75) Fluoranthene	12.60	202	980913	42.162	ng	100
77) Benzidine	12.72	184	13759	1.460	ng	99
78) Pyrene	12.83	202	978438	46.520	ng	100
80) Butylbenzylphthalate	13.43	149	392835	44.154	ng	95
81) Benzo(a)anthracene	14.02	228	898918	50.405	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	180785	29.179	ng #	98
83) Chrysene	14.05	228	905944	52.325	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	516861	44.705	ng	100
85) Di-n-octyl phthalate	14.60	149	906255	49.350	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	939341	64.596	ng	99
88) Benzo(b)fluoranthene	15.07	252	991679	47.635	ng	97
89) Benzo(k)fluoranthene	15.10	252	979601	48.311	ng	100
90) Benzo(a)pyrene	15.44	252	977557	52.529	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	816726	50.701	ng	98
92) Benzo(g,h,i)perylene	17.42	276	721445	45.602	ng	99

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



#1

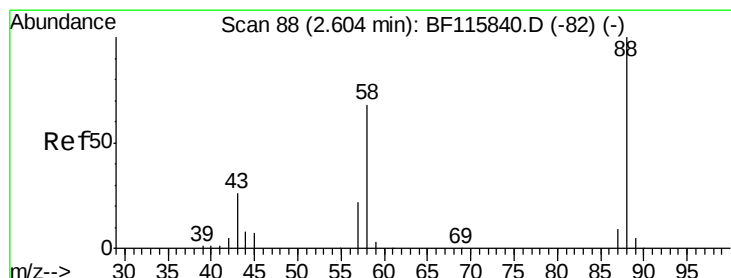
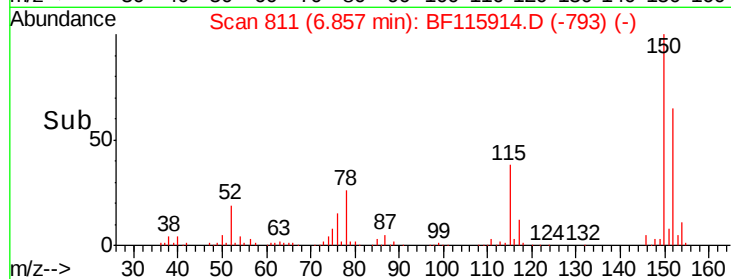
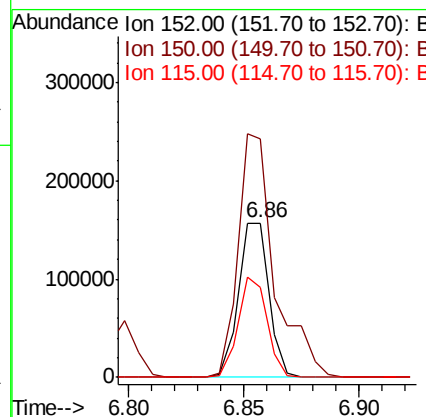
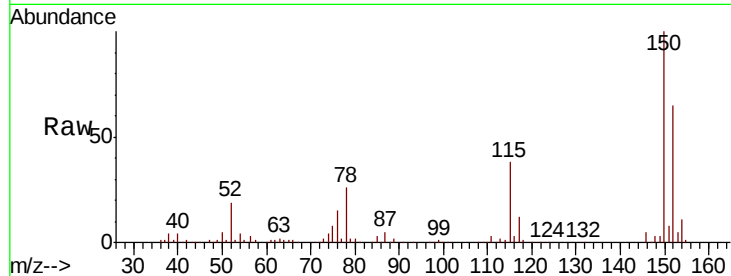
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
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ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.4	191.0
115	58.5	51.8	77.8

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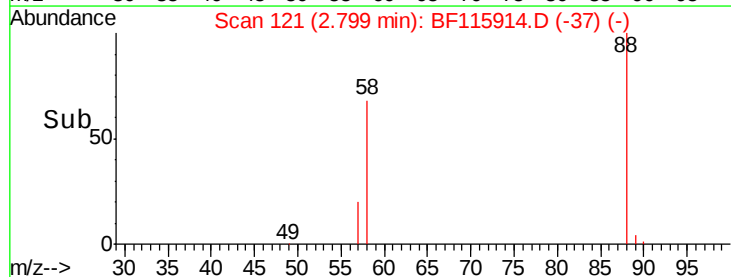
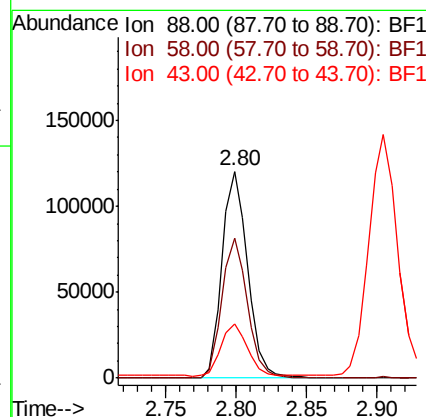
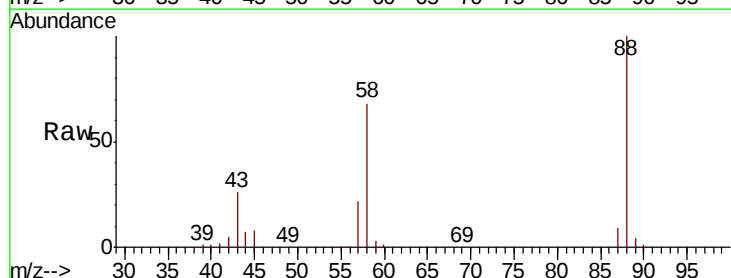
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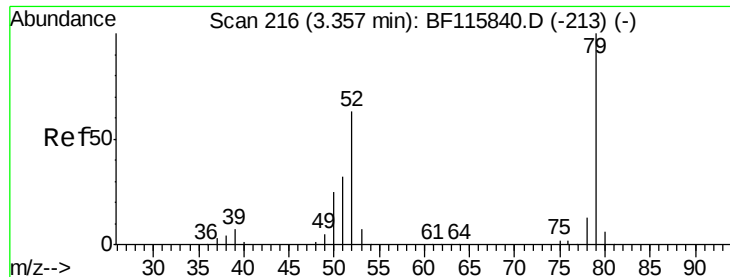


#2

1,4-Dioxane
Concen: 34.485 ng
RT: 2.80 min Scan# 121
Delta R.T. 0.19 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.1	81.1
43	0.0	20.7	31.1#





#3

Pvridine

Concen: 15.934 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.16 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

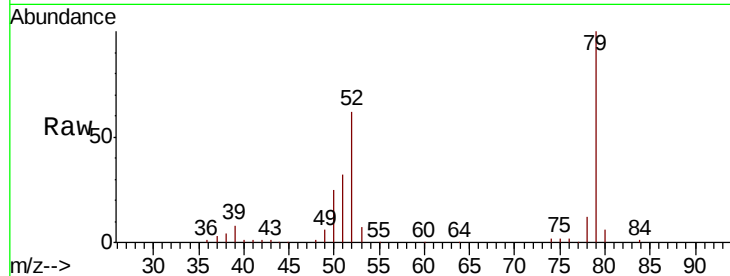
ClientSampleId :

HD-01-073019MSD

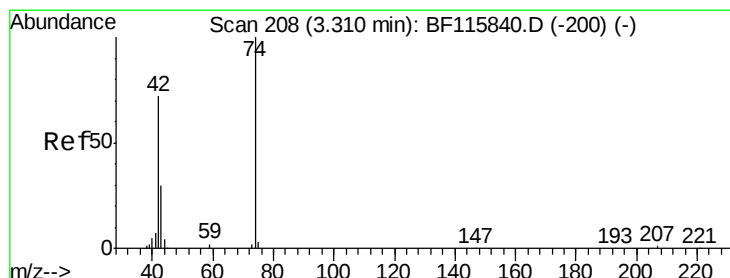
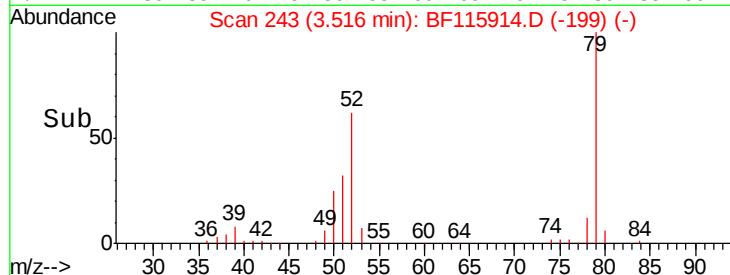
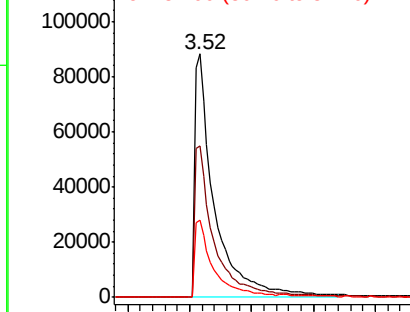
Tot Ion:	79	Resp:	195155
Ion	Ratio	Lower	Upper
79	100		
52	62.4	50.2	75.4
51	31.8	25.8	38.6

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 37.381 ng

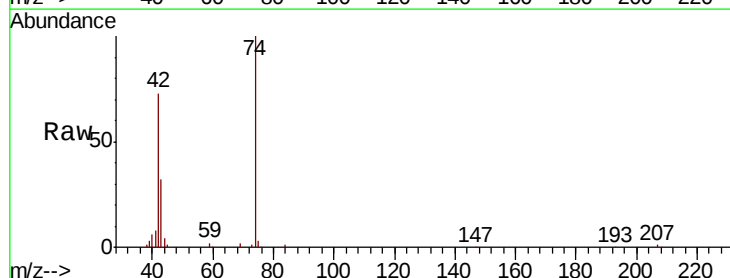
RT: 3.43 min Scan# 229

Delta R.T. 0.12 min

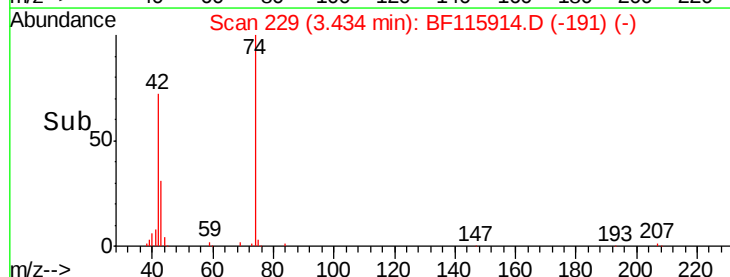
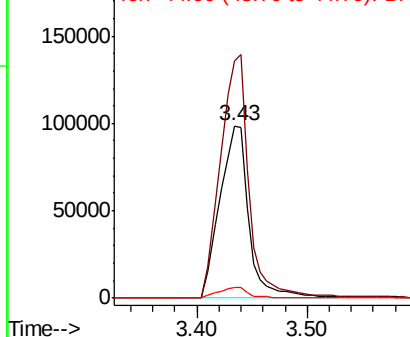
Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion:	42	Resp:	180673
Ion	Ratio	Lower	Upper
42	100		
74	137.8	111.0	166.4
44	6.1	4.7	7.1



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 115.924 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.02 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

ClientSampleId :

HD-01-073019MSD

Tot Ion:112 Resp: 1006067

Ion Ratio Lower Upper

112 100

64 58.4 46.8 70.2

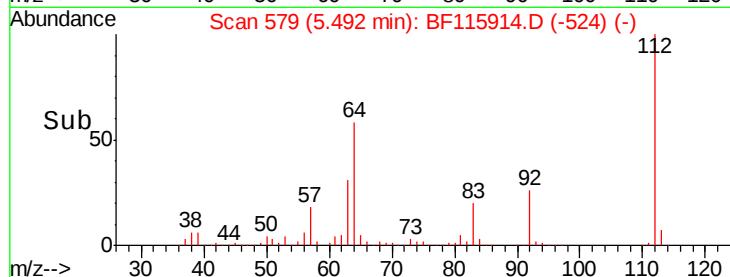
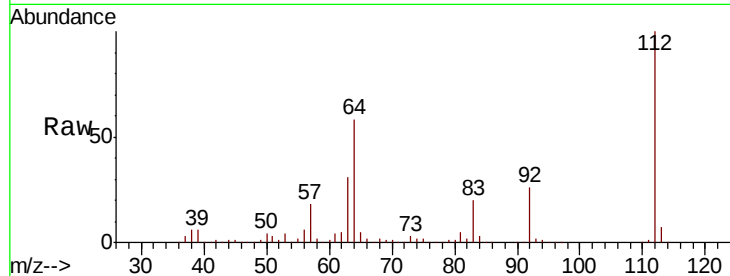
63 30.8 24.2 36.2

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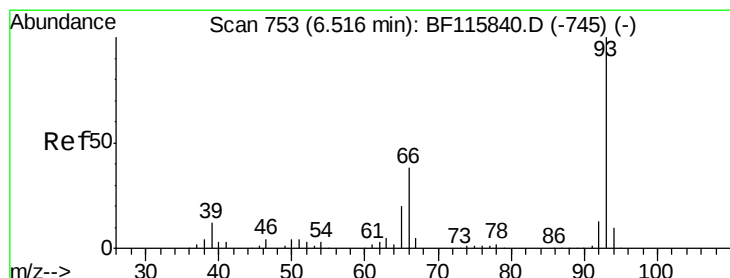
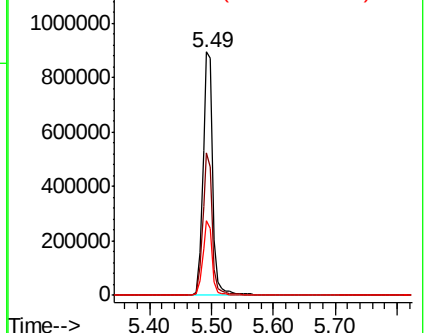
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.878 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

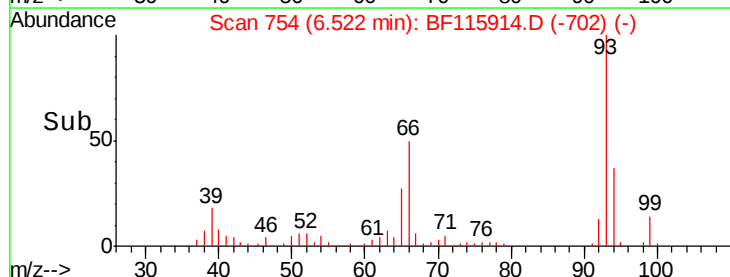
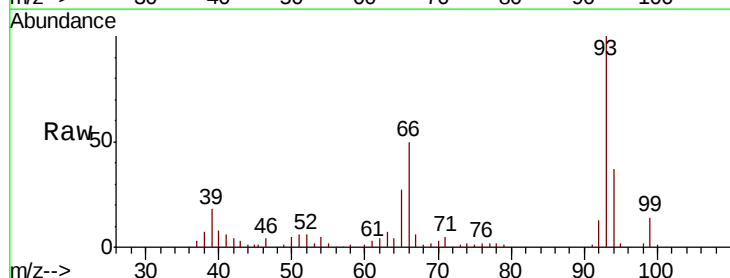
Tgt Ion: 93 Resp: 123541

Ion Ratio Lower Upper

93 100

66 49.7 31.4 47.0#

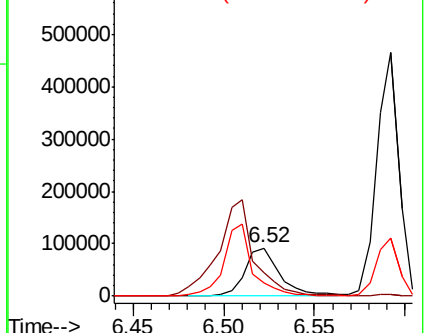
65 27.1 16.5 24.7#



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: 111.160 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1217163

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

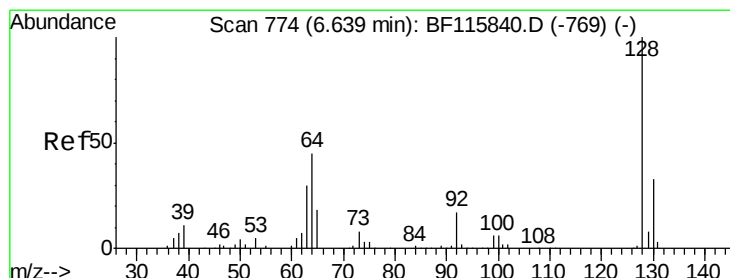
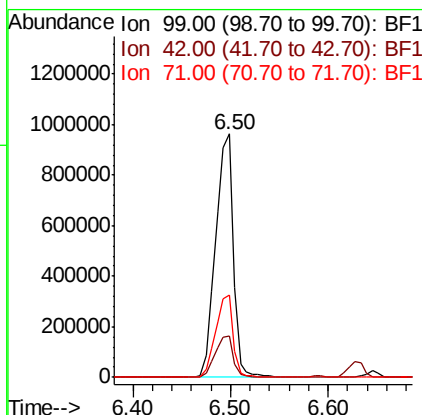
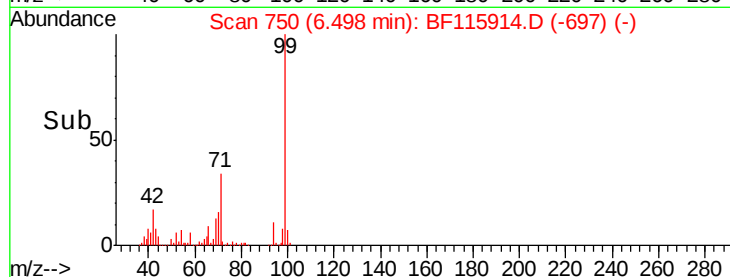
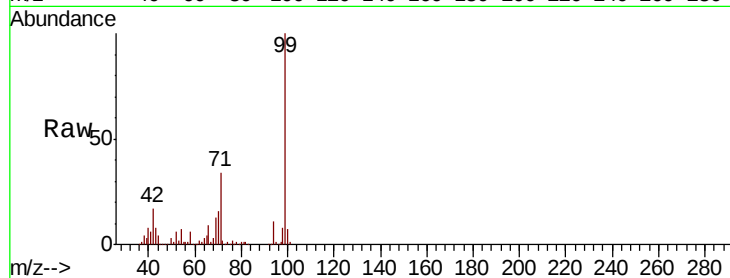
71 33.9 27.1 40.7

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#8

2-Chlorophenol

Concen: 41.068 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

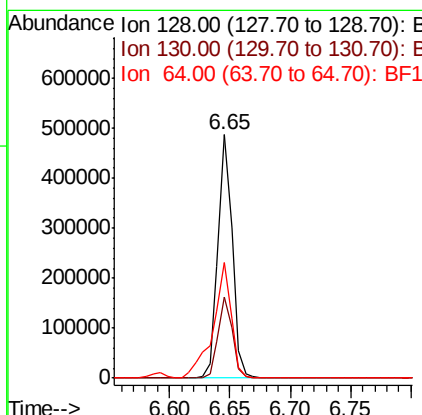
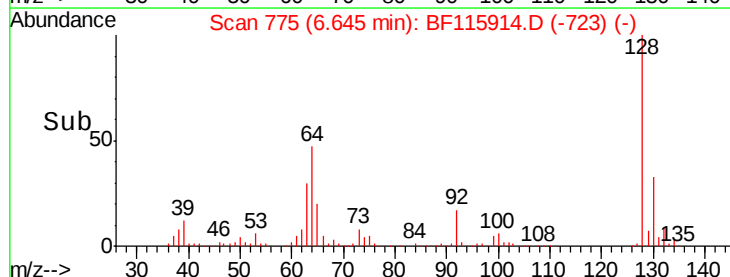
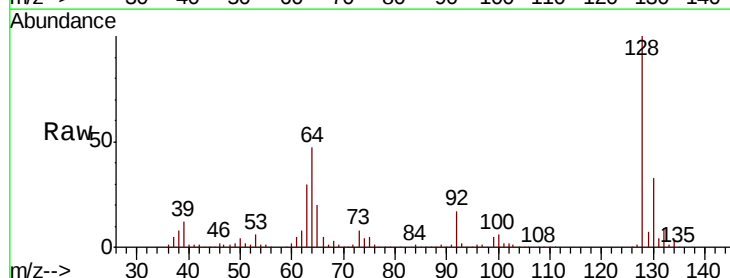
Tgt Ion: 128 Resp: 394123

Ion Ratio Lower Upper

128 100

130 33.0 12.9 52.9

64 47.5 26.1 66.1





#9

Benzaldehyde

Concen: 16.280 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

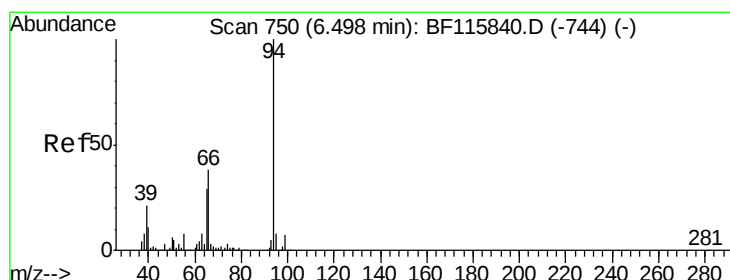
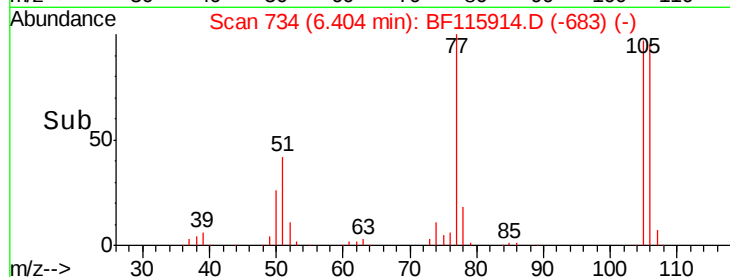
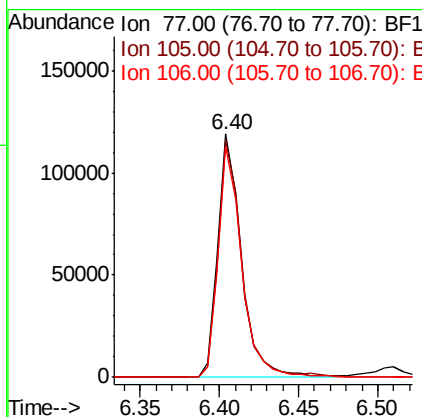
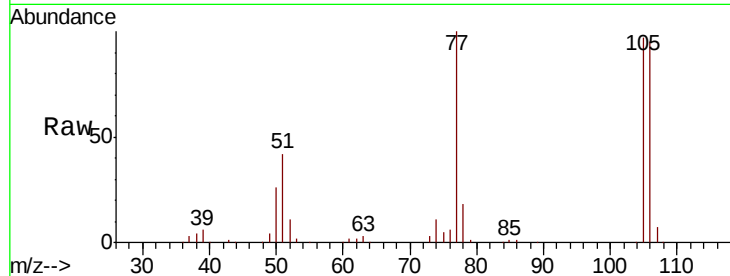
ClientSampleId :

HD-01-073019MSD

Tot Ion:	77	Resp:	122995
Ion	Ratio	Lower	Upper
77	100		
105	97.2	79.0	119.0
106	94.9	76.2	116.2

Manual Integrations
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#10

Phenol

Concen: 33.810 ng

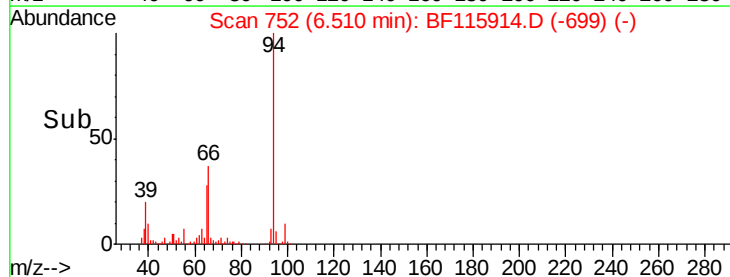
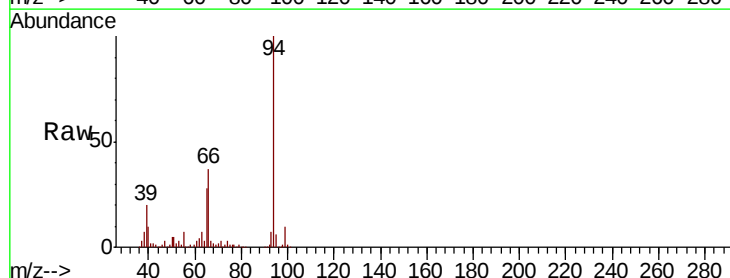
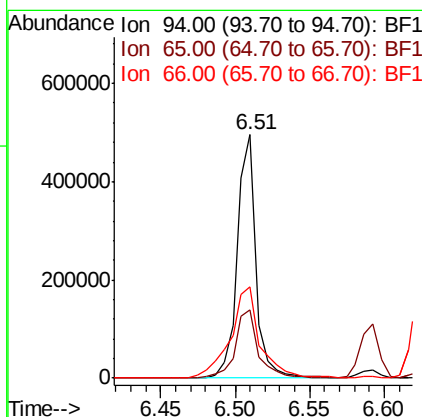
RT: 6.51 min Scan# 752

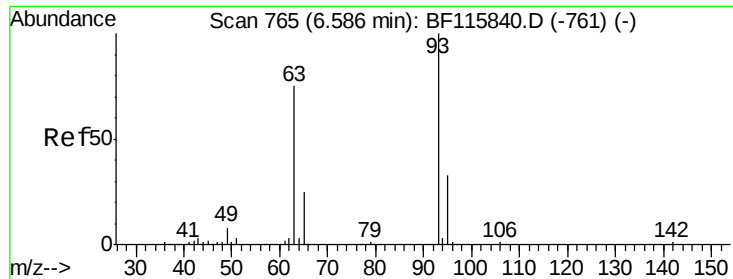
Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion:	94	Resp:	435951
Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.9	48.9
66	37.3	18.0	58.0





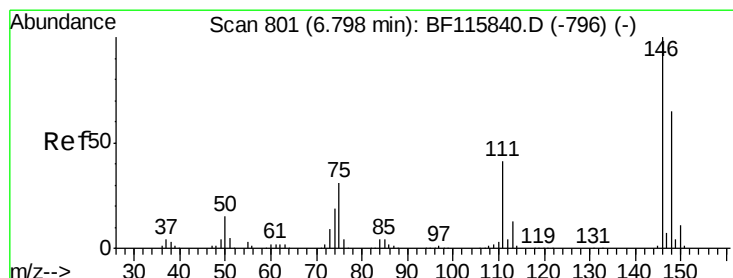
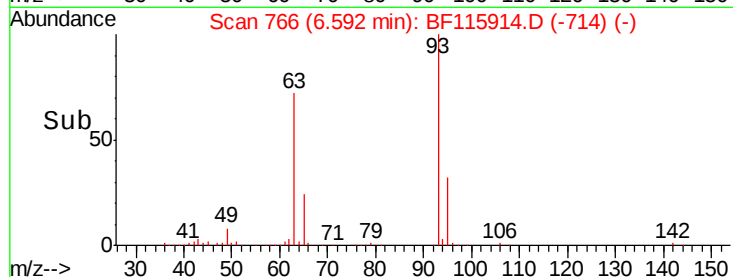
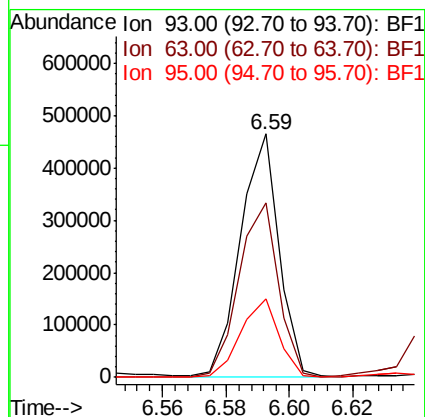
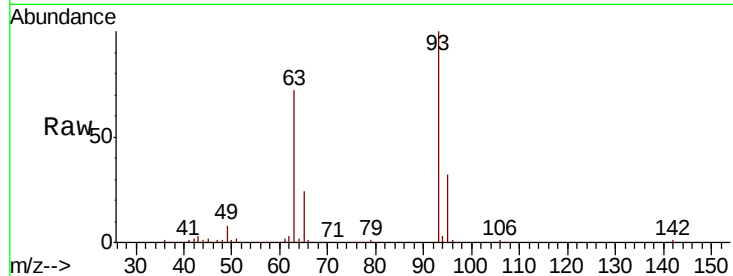
#11
bis(2-Chloroethyl)ether
Concen: 41.095 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion:	93	Resp:	389578
Ion Ratio	Lower	Upper	
93	100		
63	71.9	54.9	94.9
95	32.4	13.3	53.3

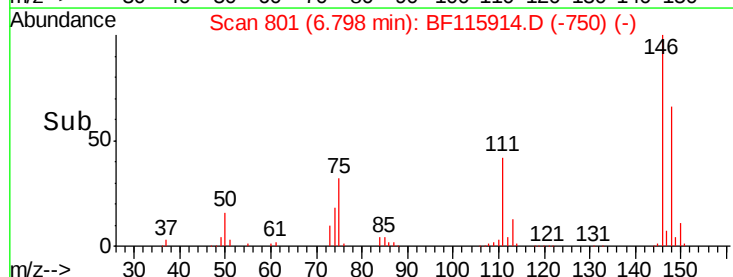
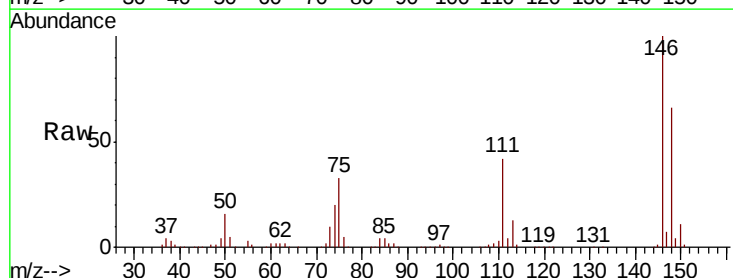
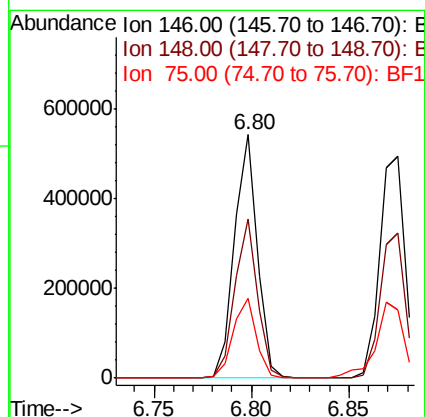
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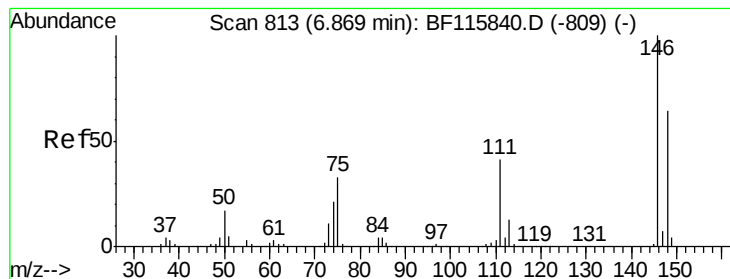
mohammad
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#12
1,3-Dichlorobenzene
Concen: 39.994 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion:	146	Resp:	443578
Ion Ratio	Lower	Upper	
146	100		
148	65.6	52.1	78.1
75	32.7	25.0	37.6





#13

1,4-Dichlorobenzene

Concen: 40.493 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

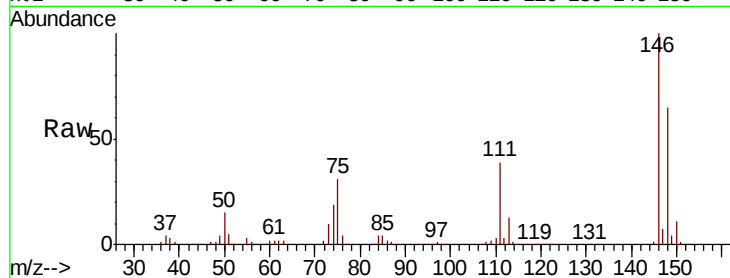
ClientSampleId :

HD-01-073019MSD

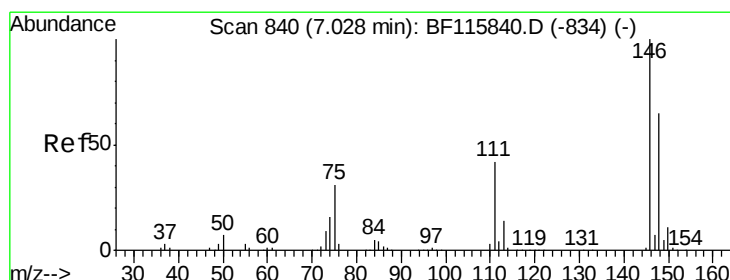
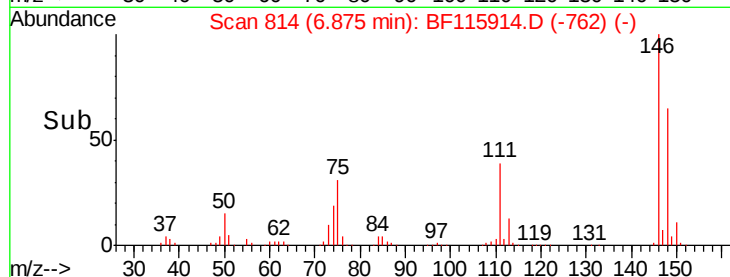
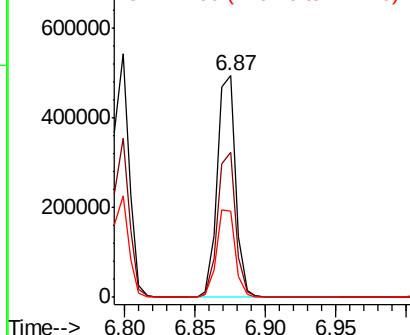
Tot Ion:	146	Resp:	449672
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.2	76.8
111	38.6	33.2	49.8

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.605 ng

RT: 7.03 min Scan# 840

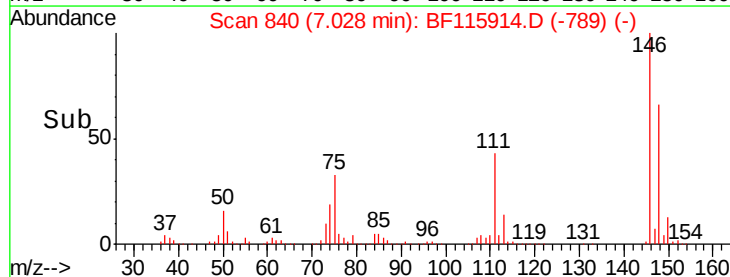
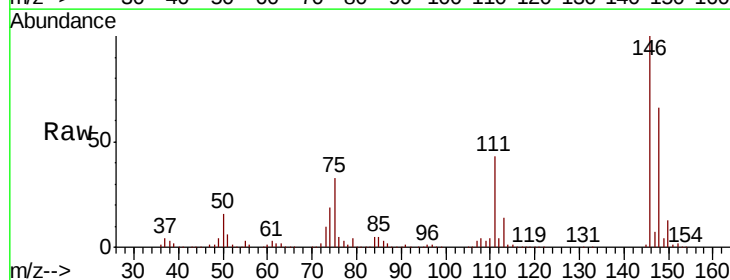
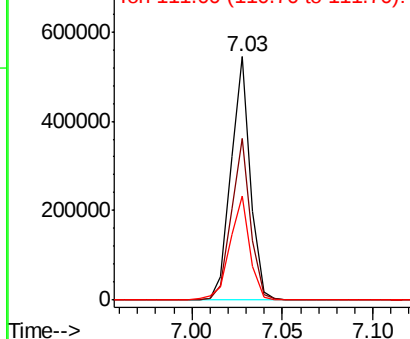
Delta R.T. 0.00 min

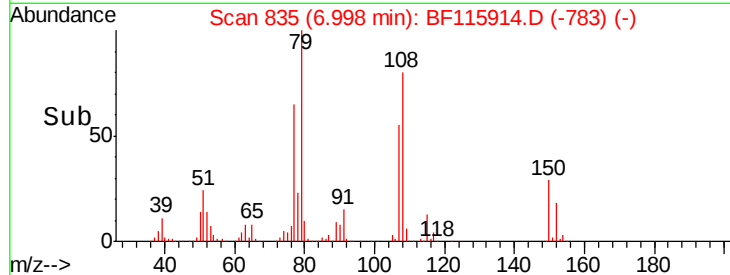
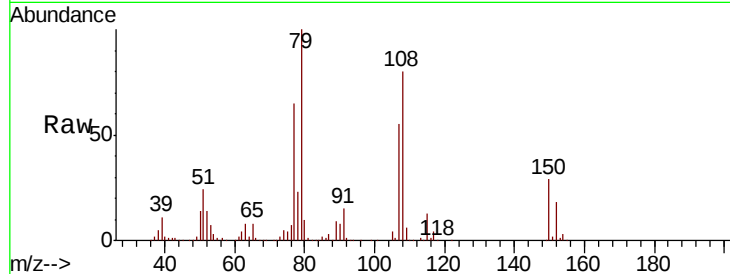
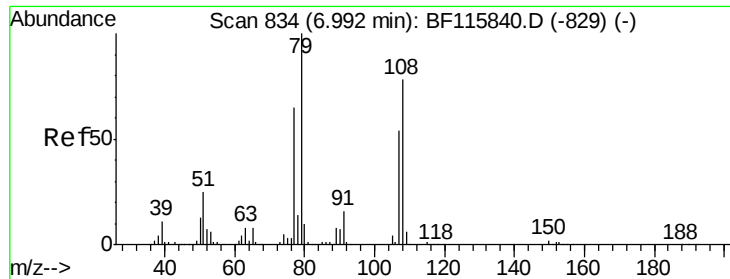
Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion:	146	Resp:	404974
Ion Ratio	Lower	Upper	
146	100		
148	66.4	51.6	77.4
111	43.0	33.6	50.4

Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





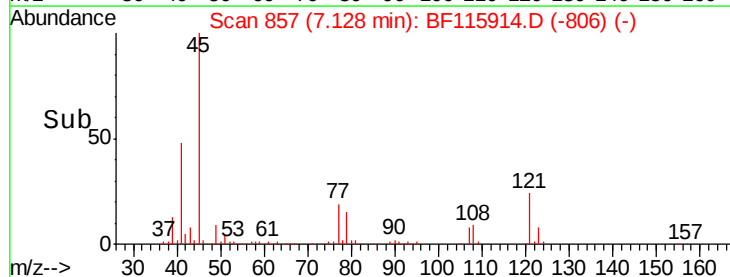
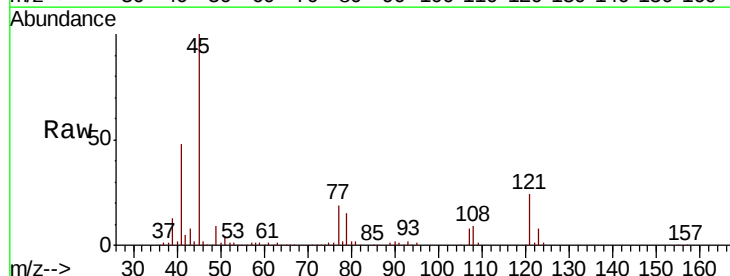
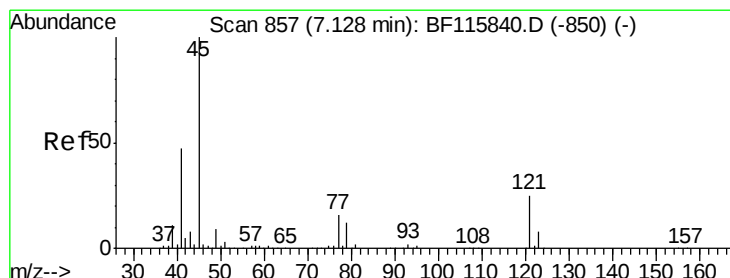
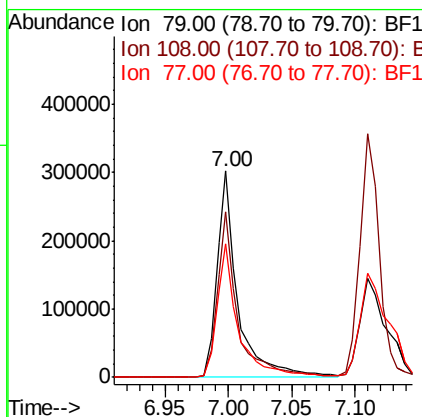
#15
Benzyl Alcohol
Concen: 41.706 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.3	62.8	94.2
77	64.6	52.0	78.0

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

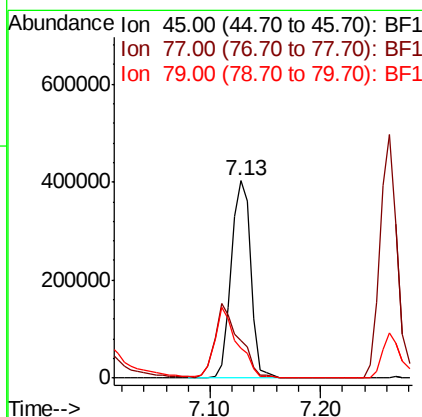
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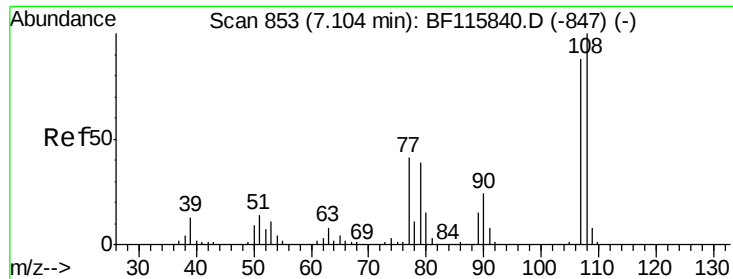
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.126 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	36.3
79	15.4	0.0	32.5





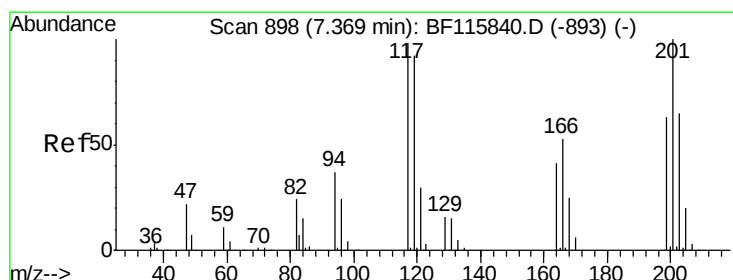
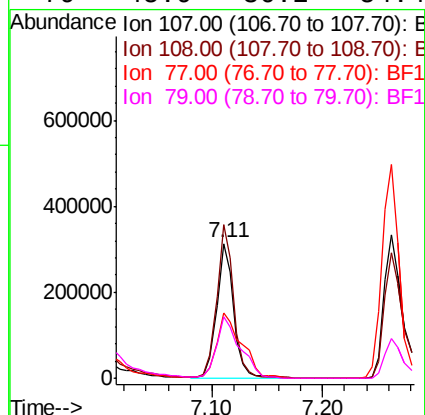
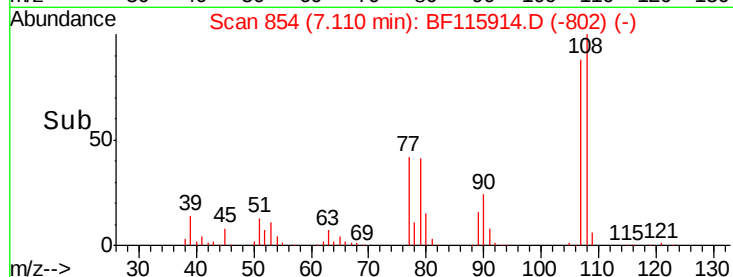
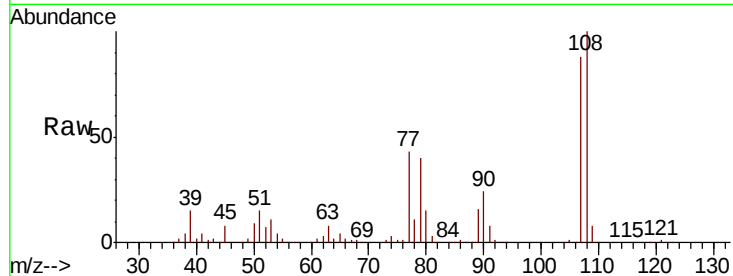
#17
2-Methylphenol
Concen: 40.646 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion:	107	Resp:	330297
Ion Ratio	Lower	Upper	
107	100		
108	113.7	91.4	137.0
77	48.4	37.6	56.4
79	45.9	36.2	54.4

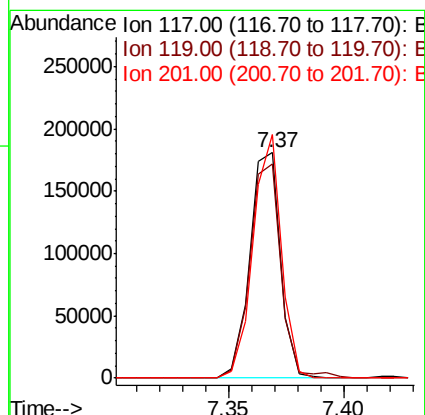
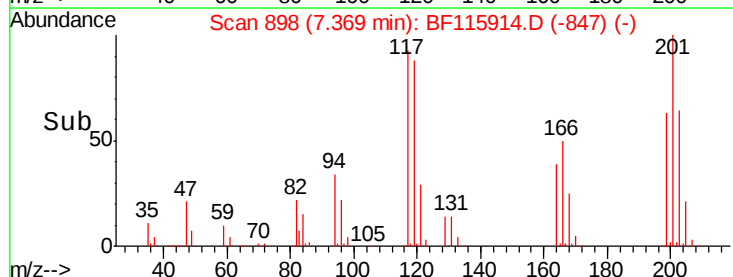
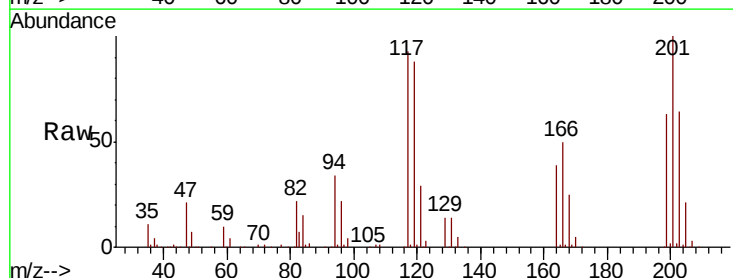
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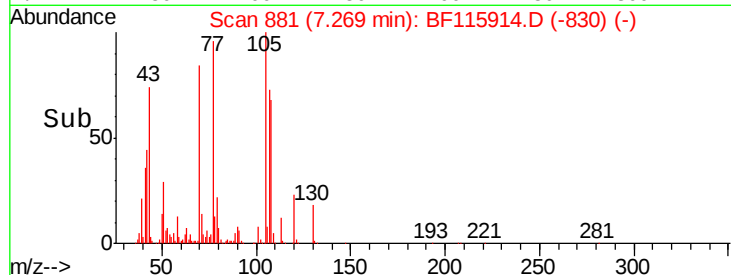
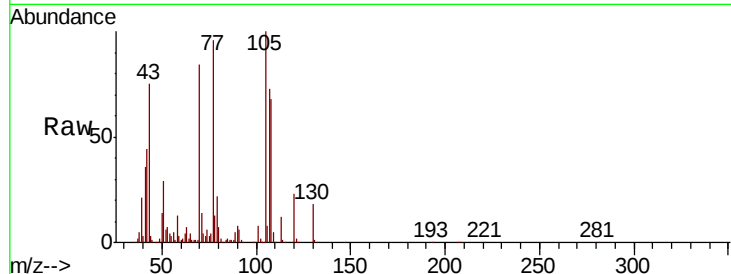
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#18
Hexachloroethane
Concen: 41.046 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion:	117	Resp:	167820
Ion Ratio	Lower	Upper	
117	100		
119	95.1	75.8	113.6
201	108.0	82.0	123.0





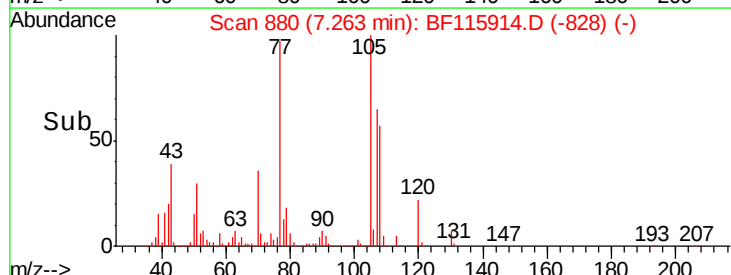
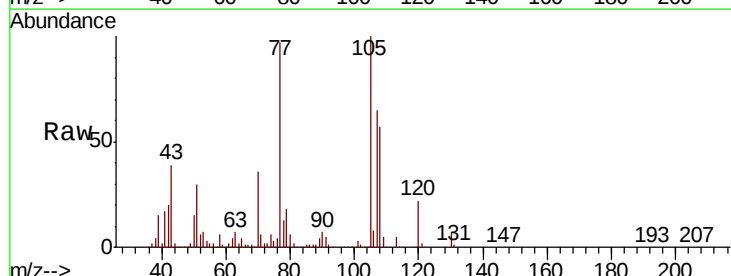
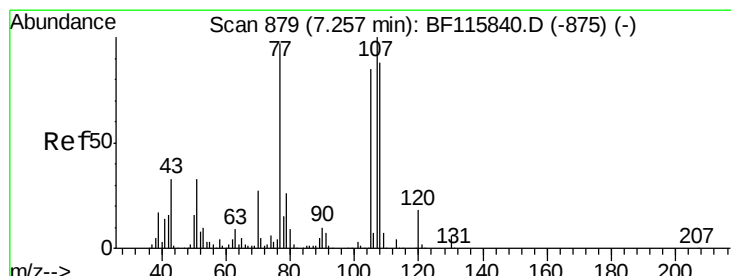
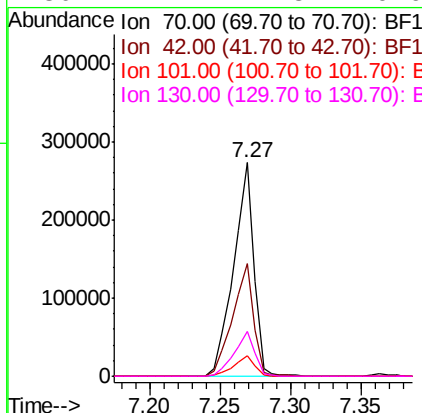
#19
n-Nitroso-di-n-propylamine
Concen: 40.644 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.7	41.8	62.8	
101	9.5	7.7	11.5	
130	21.2	17.8	26.6	

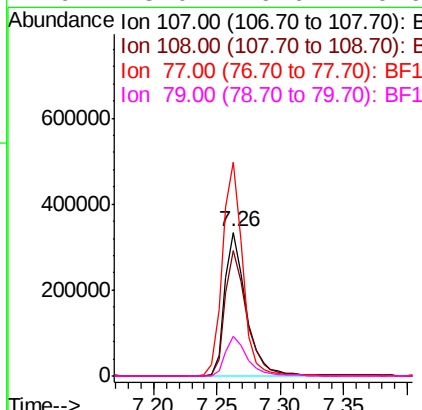
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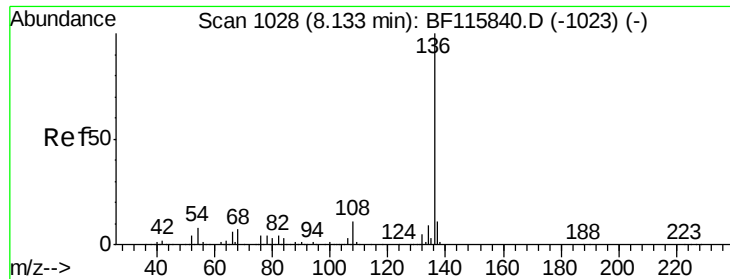
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#20
3+4-Methylphenols
Concen: 40.503 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.7	67.9	107.9	
77	148.6	77.3	117.3#	
79	28.0	6.6	46.6	





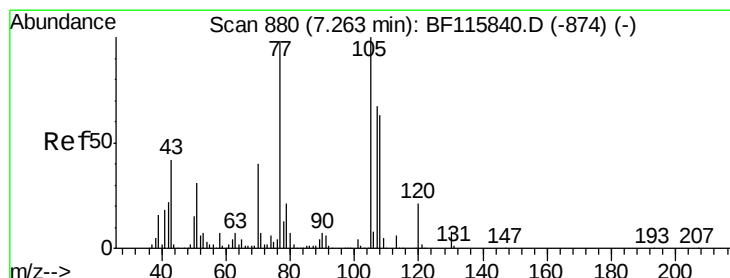
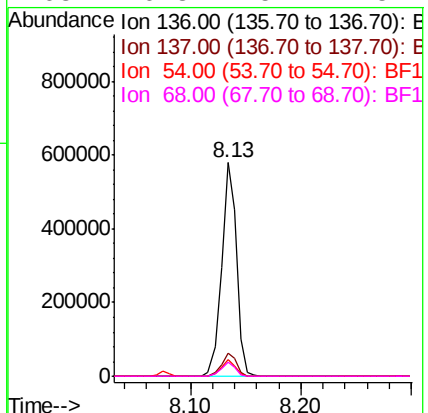
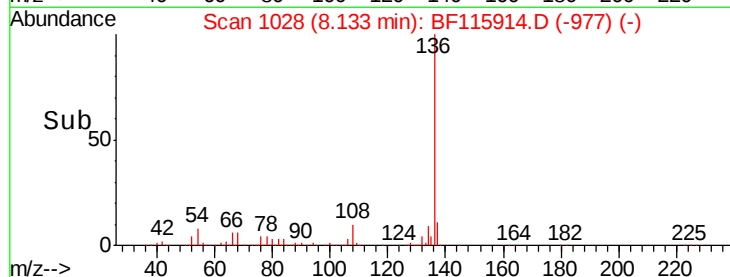
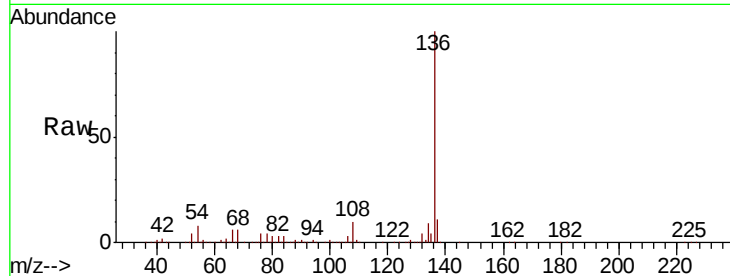
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		543774		
137	11.0	9.1	13.7		
54	7.6	6.1	9.1		
68	6.3	5.4	8.2		

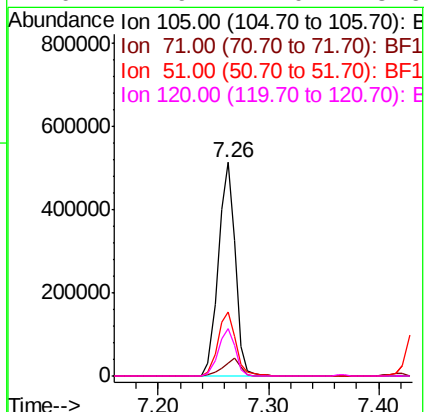
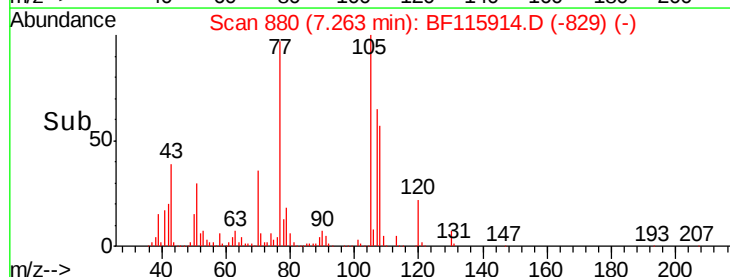
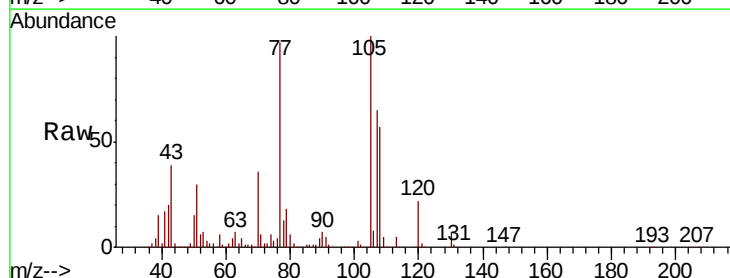
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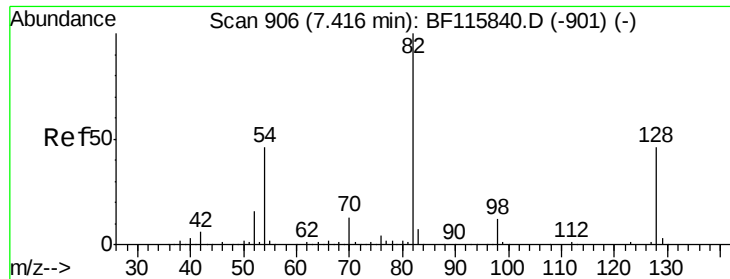
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#22
Acetophenone
Concen: 45.825 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		546490		
71	6.1	5.4	8.0		
51	30.1	24.6	36.8		
120	21.9	17.0	25.6		





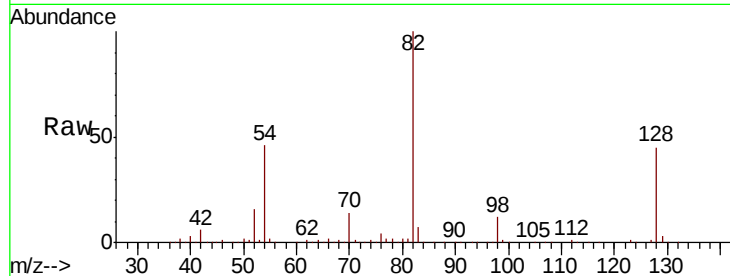
#23
 Nitrobenzene-d5
 Concen: 96.085 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

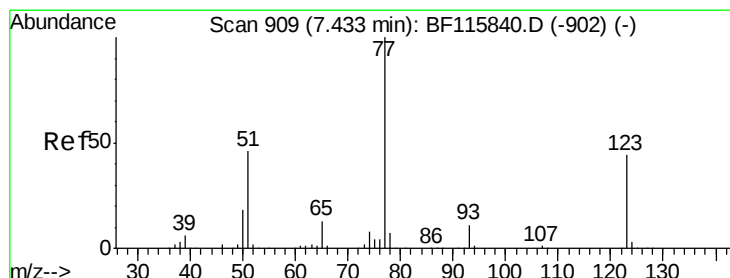
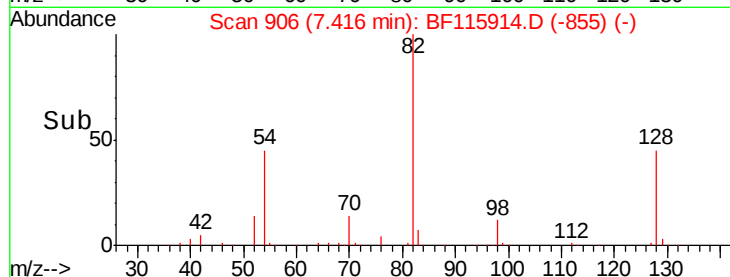
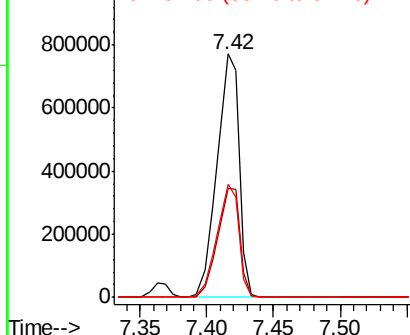
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.6	55.0
54	46.4	36.6	55.0

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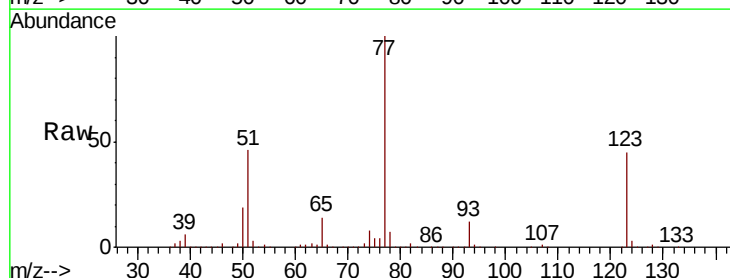


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

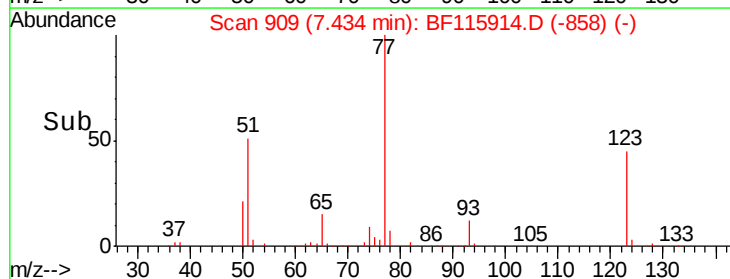
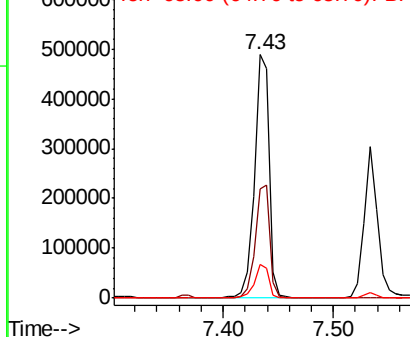


#24
 Nitrobenzene
 Concen: 44.637 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.5	53.3
65	13.6	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





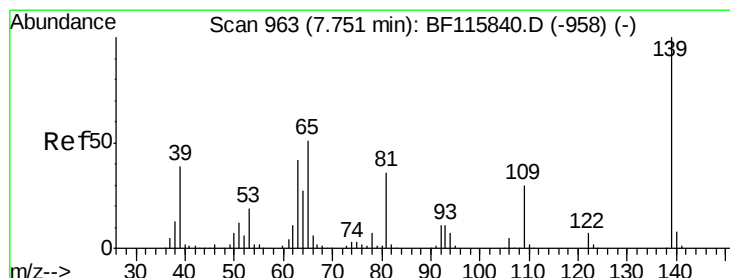
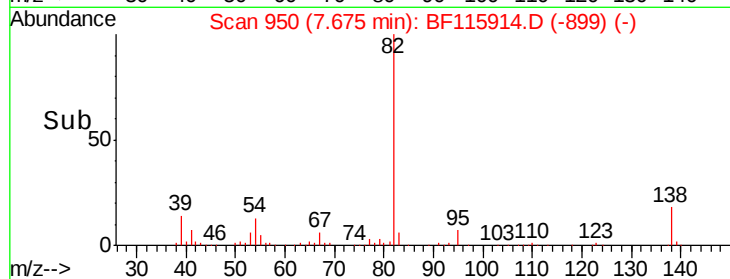
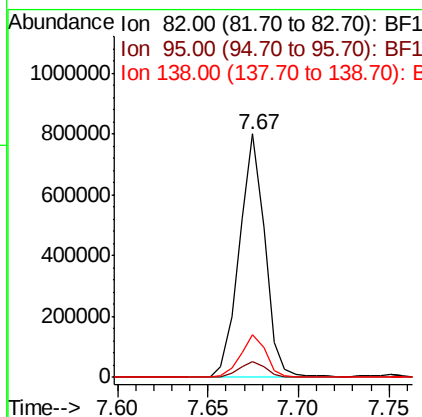
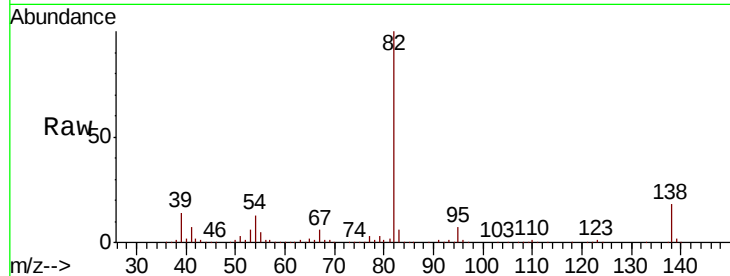
#25
Isophorone
Concen: 43.681 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	786836		
95	6.7		5.5	8.3
138	17.6		13.9	20.9

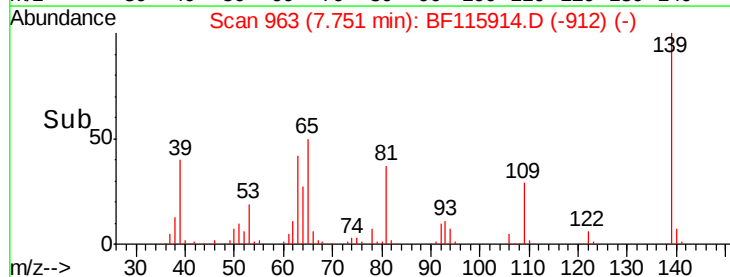
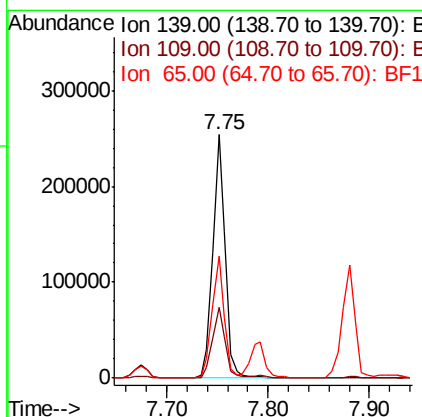
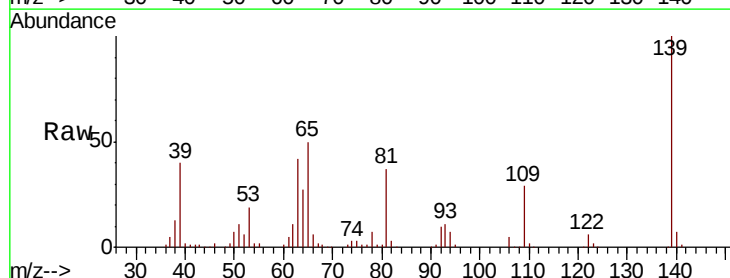
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#26
2-Nitrophenol
Concen: 45.408 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	217723		
109	29.1		23.6	35.4
65	50.3		40.6	60.8





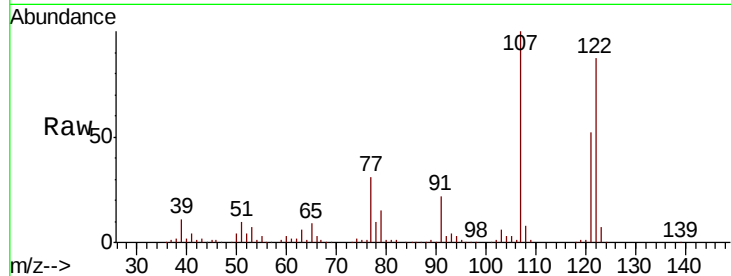
#27
2,4-Dimethylphenol
Concen: 50.137 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	361677		
107	114.7	91.7	137.5	
121	59.5	46.6	70.0	

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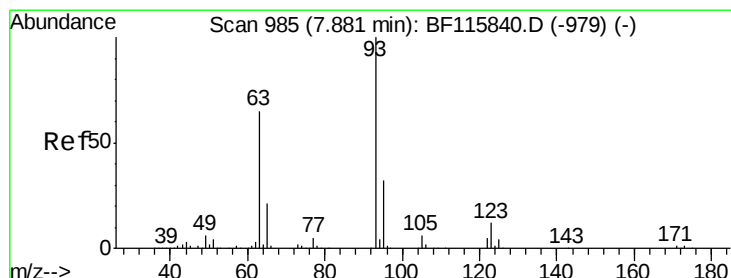
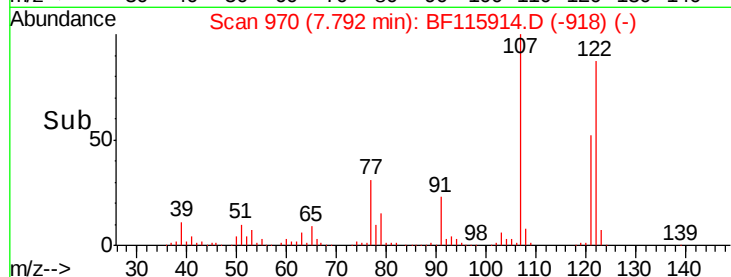
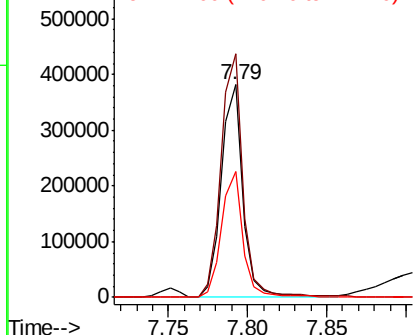


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 43.219 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

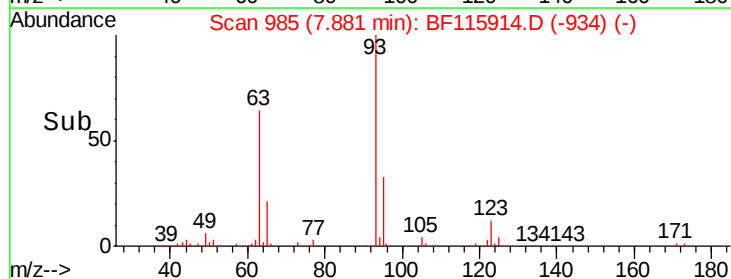
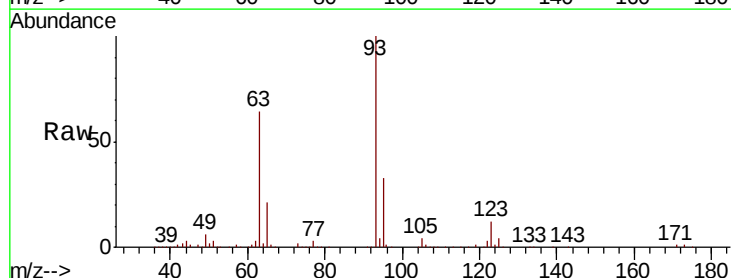
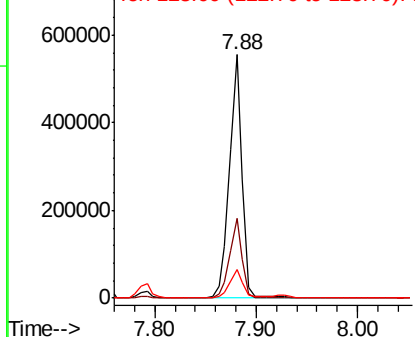
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	482532		
95	33.0	26.0	39.0	
123	11.6	9.5	14.3	

Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





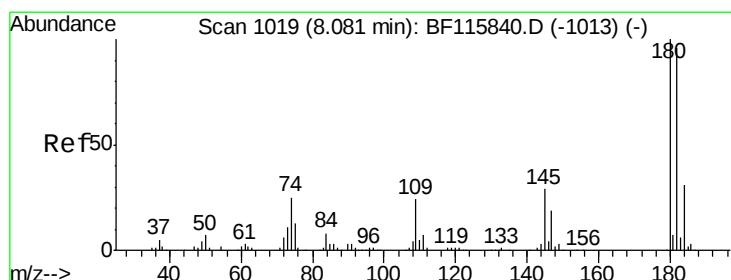
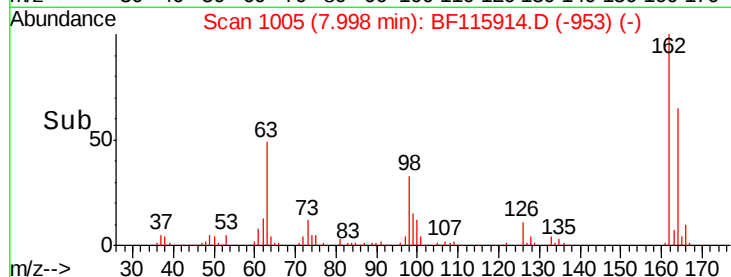
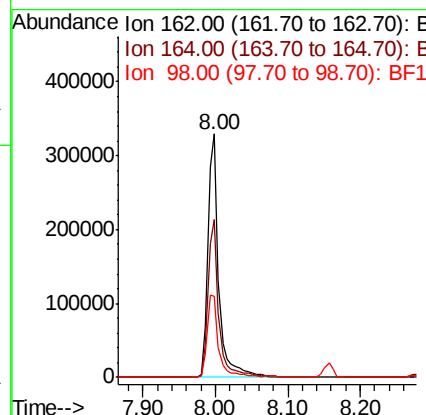
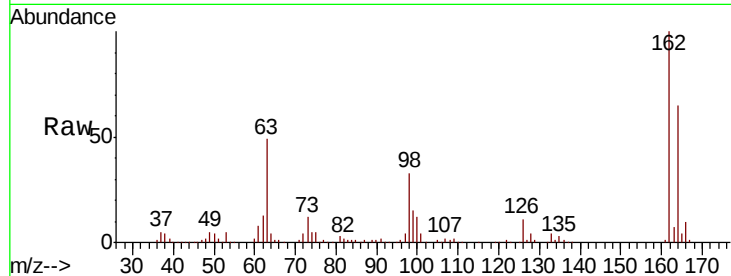
#29
2,4-Dichlorophenol
Concen: 45.448 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	346161		
164	64.8	43.2	83.2	
98	33.4	17.3	57.3	

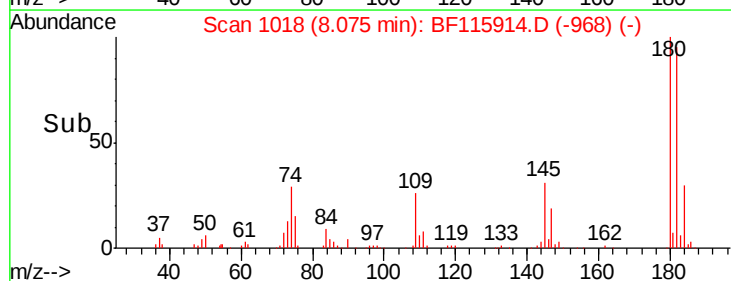
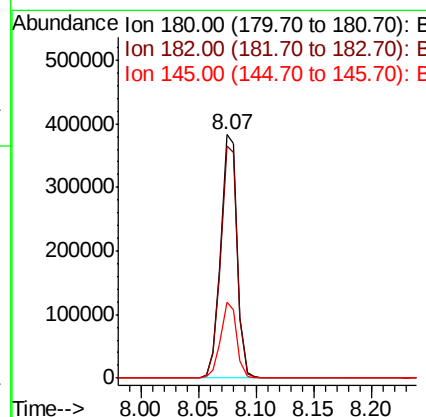
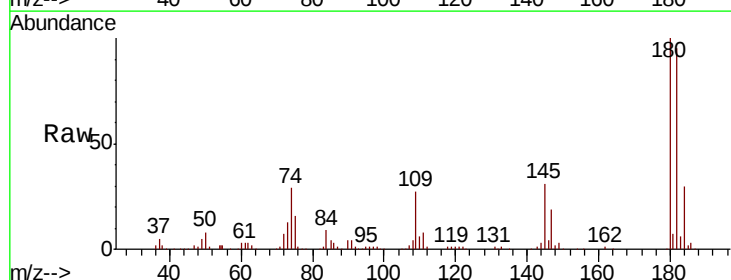
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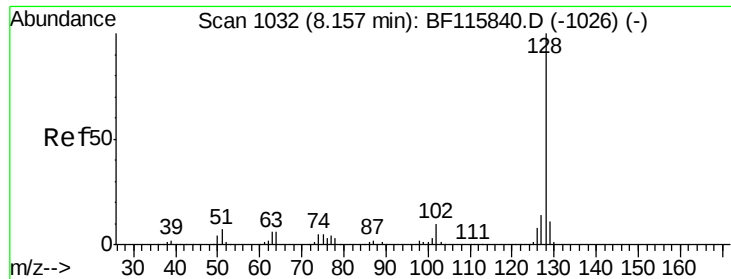
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#30
1,2,4-Trichlorobenzene
Concen: 43.747 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	379827		
182	95.3	76.6	114.8	
145	31.1	23.2	34.8	





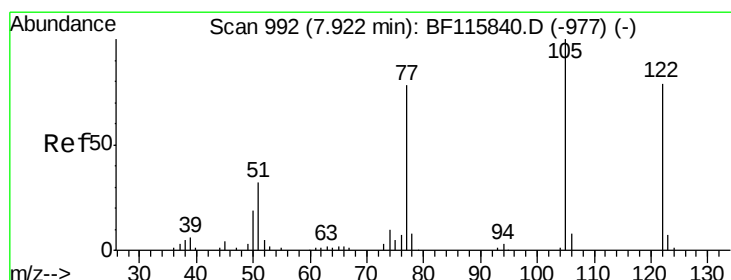
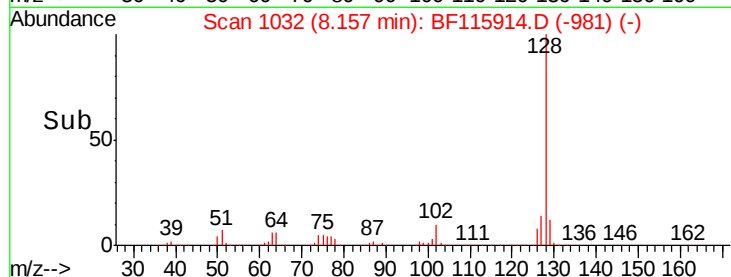
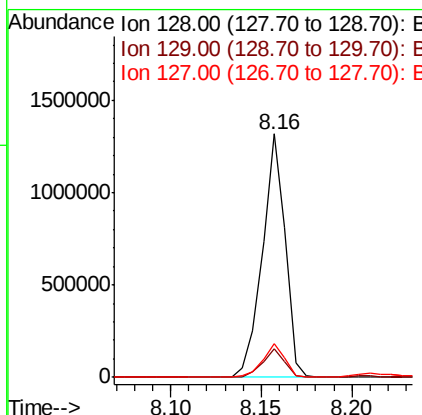
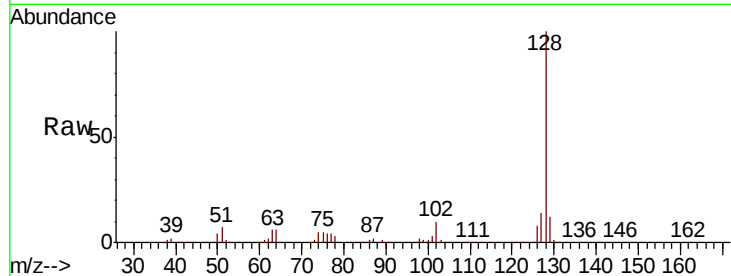
#31
Naphthalene
Concen: 45.129 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.7	11.0	16.4

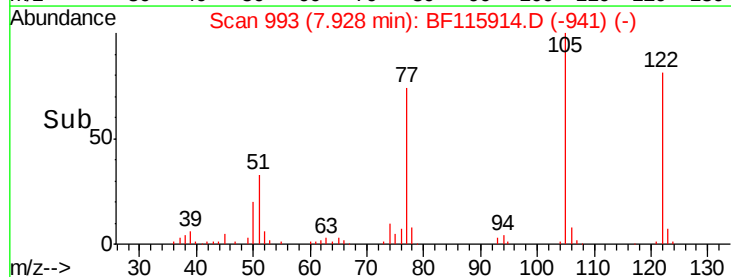
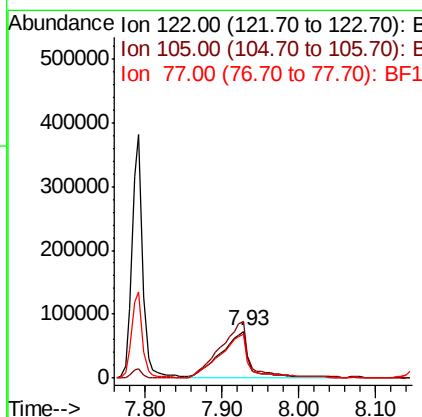
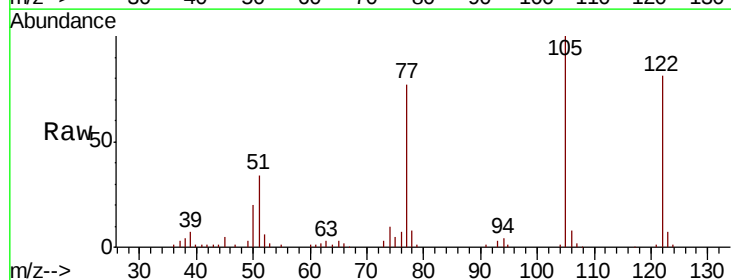
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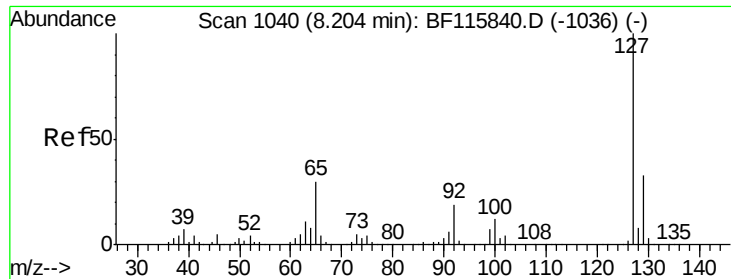
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#32
Benzoic acid
Concen: 36.680 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.8	103.1	143.1
77	94.6	76.8	116.8





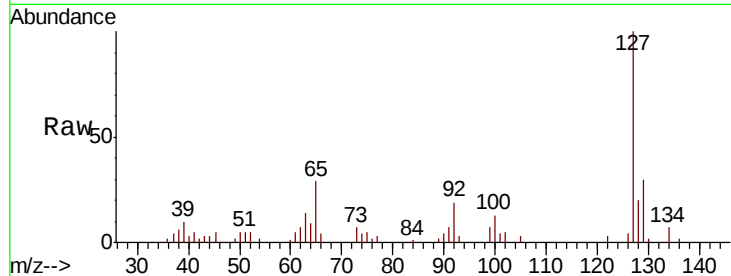
#33
4-Chloroaniline
Concen: 3.734 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

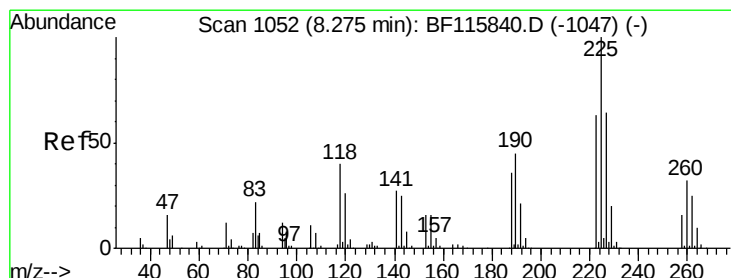
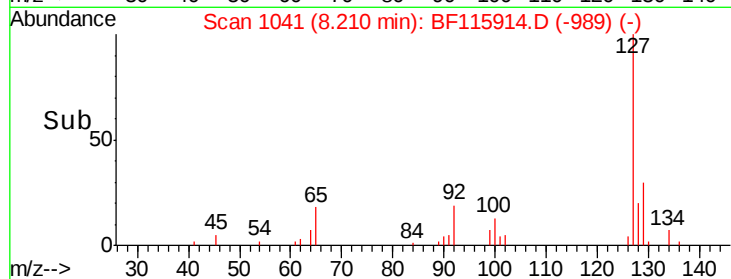
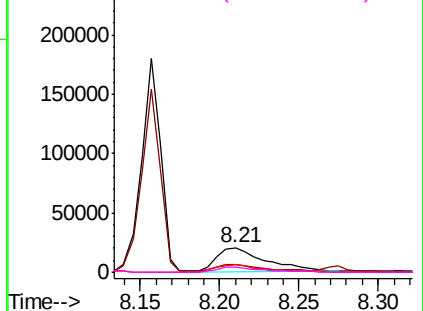
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		42687		
129	30.4	26.0	39.0		
65	28.9	23.9	35.9		
92	18.8	14.9	22.3		

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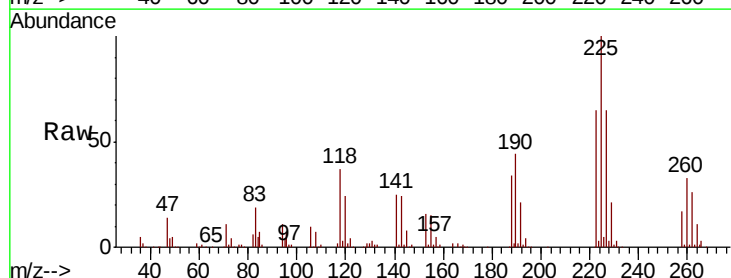


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

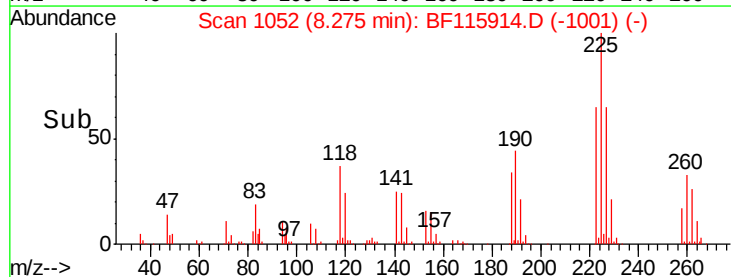
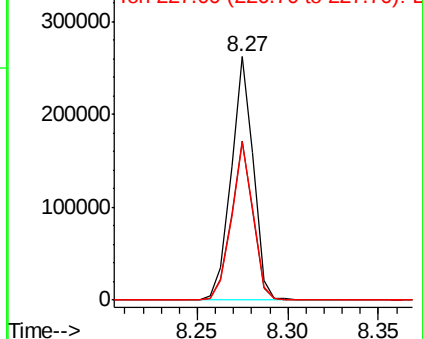


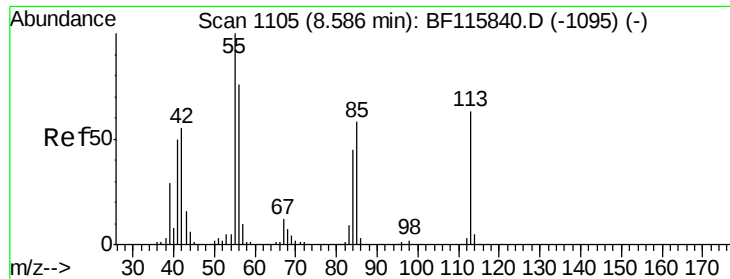
#34
Hexachlorobutadiene
Concen: 44.486 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		222473		
223	65.3	50.4	75.6		
227	64.6	51.6	77.4		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.132 ng/mL

RT: 8.58 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

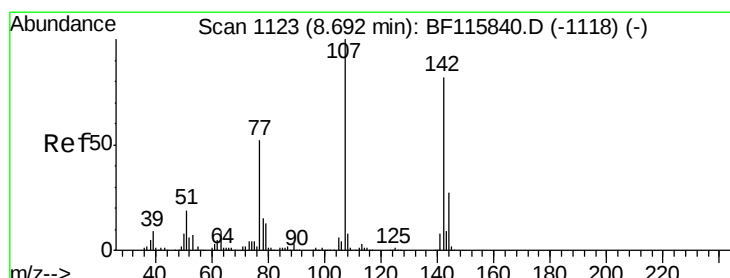
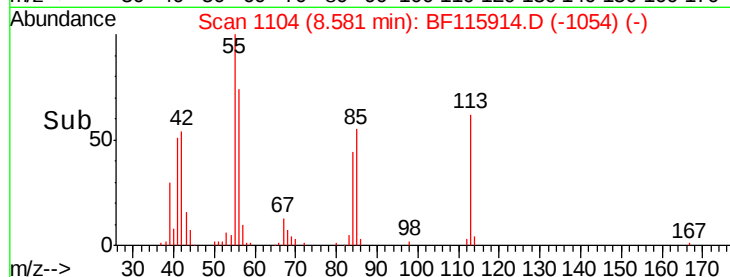
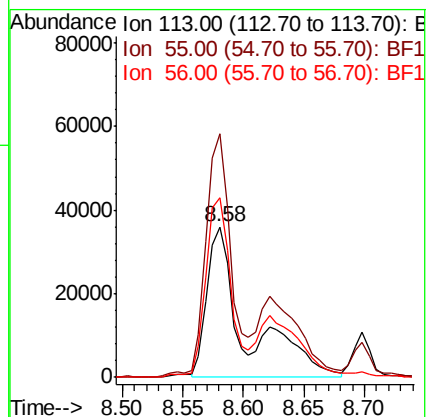
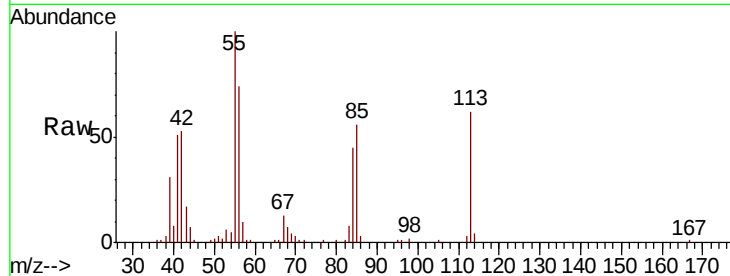
ClientSampleId :

HD-01-073019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	161.4	138.1	178.1		
56	119.2	100.6	140.6		

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#36

4-Chloro-3-methylphenol

Concen: 45.198 ng/mL

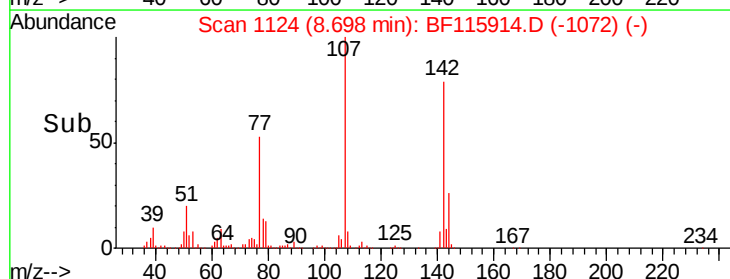
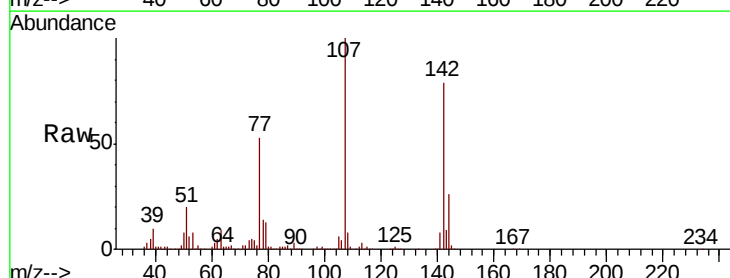
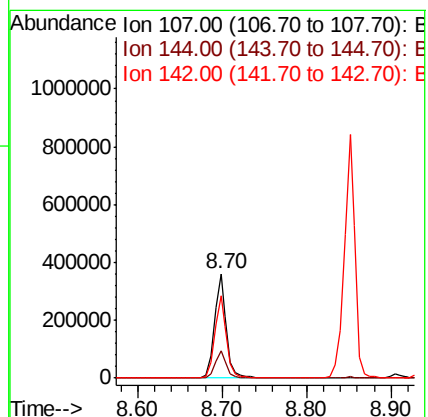
RT: 8.70 min Scan# 1124

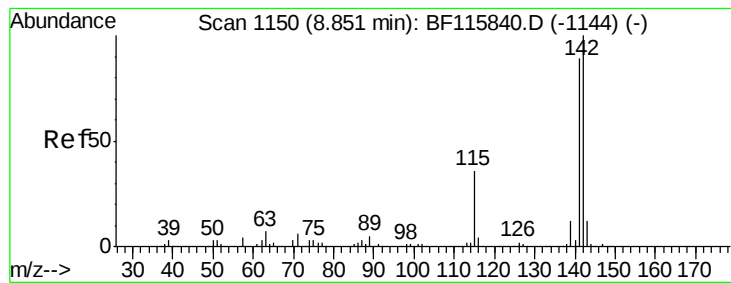
Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.8	21.4	32.0		
142	79.2	65.5	98.3		





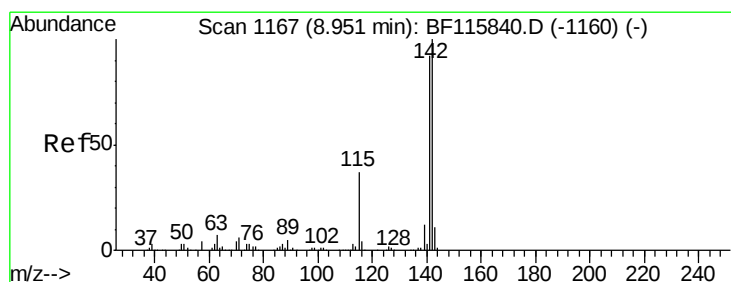
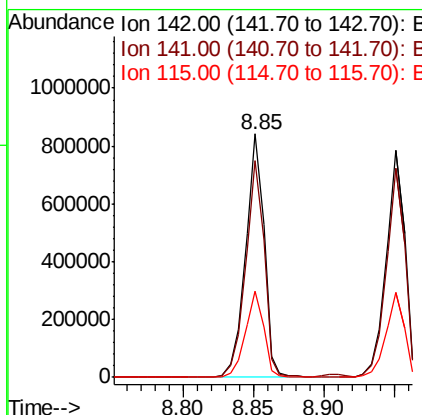
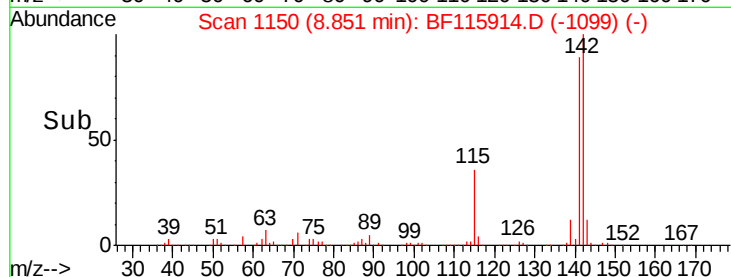
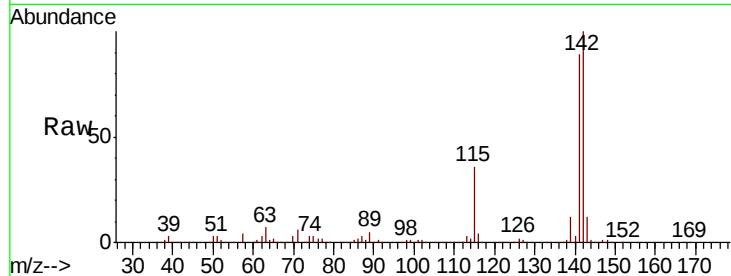
#37
2-Methylnaphthalene
Concen: 45.828 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.4	107.2
115	35.6	28.9	43.3

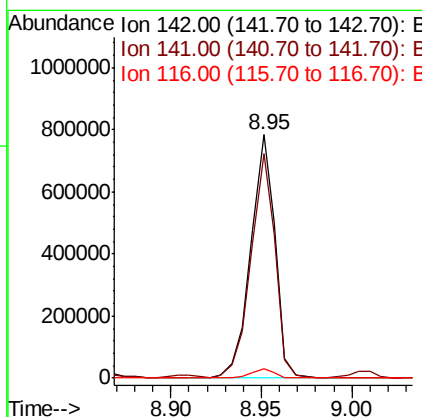
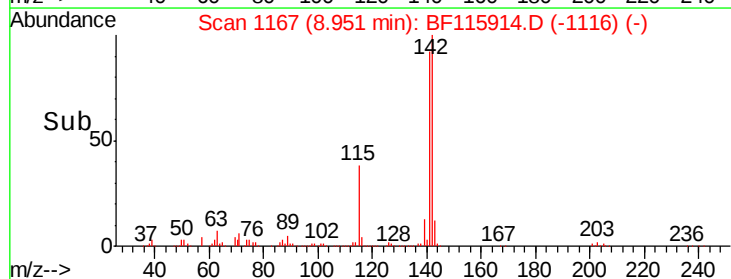
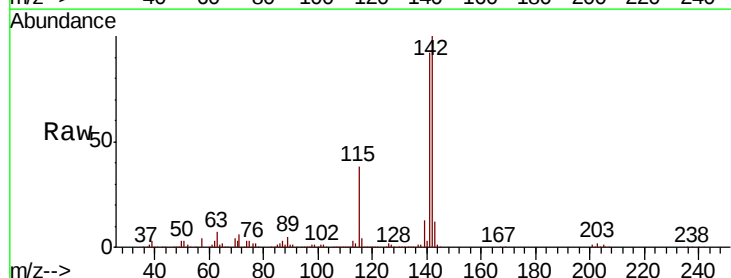
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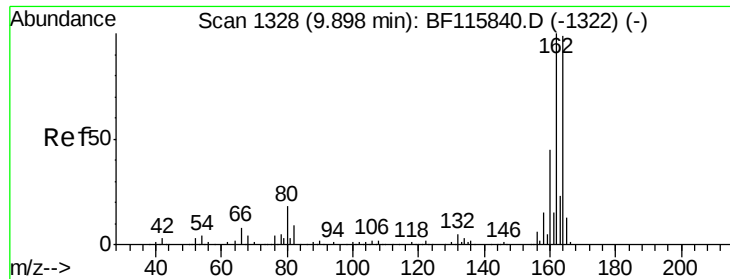
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#38
1-Methylnaphthalene
Concen: 45.362 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.8	110.6
116	3.9	3.1	4.7





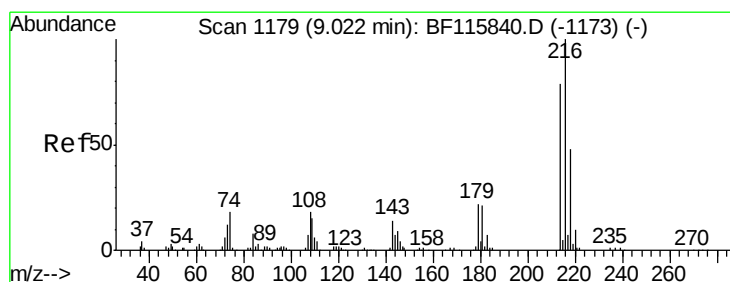
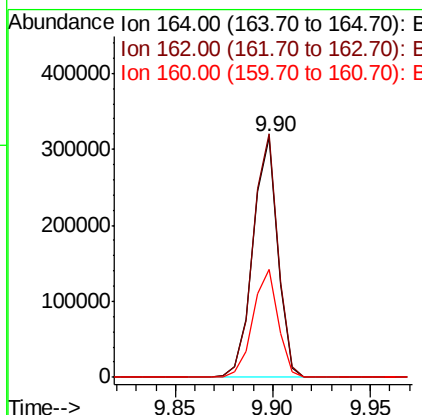
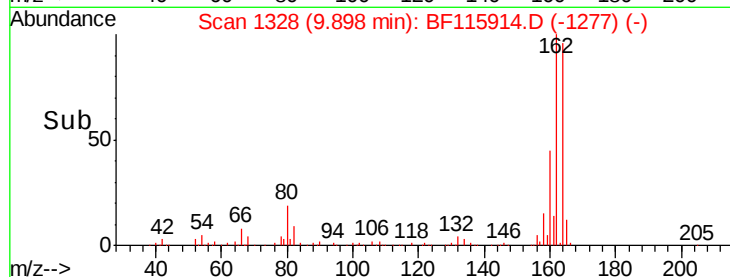
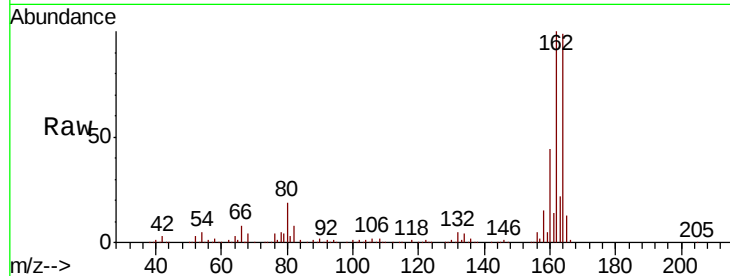
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.8	121.2
160	45.1	36.2	54.4

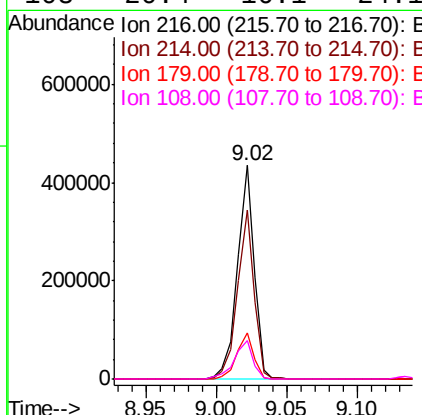
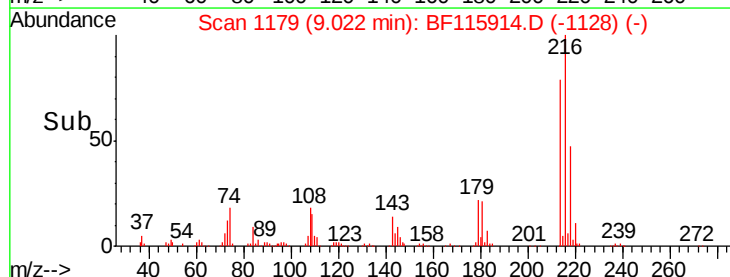
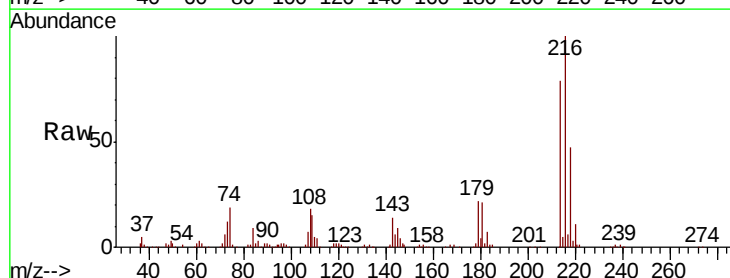
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.415 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	21.6	17.6	26.4
108	20.4	16.1	24.1





#41

Hexachlorocyclopentadiene

Concen: 51.887 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

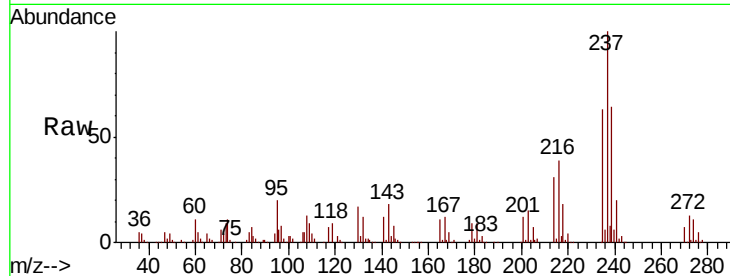
ClientSampleId :

HD-01-073019MSD

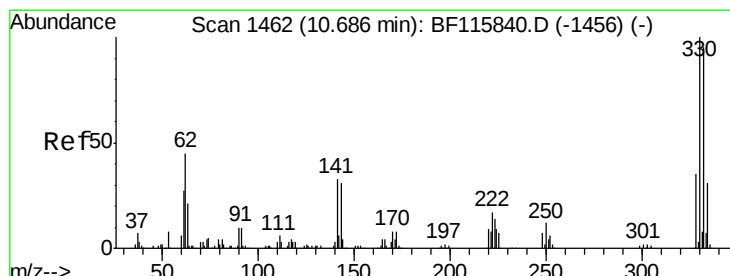
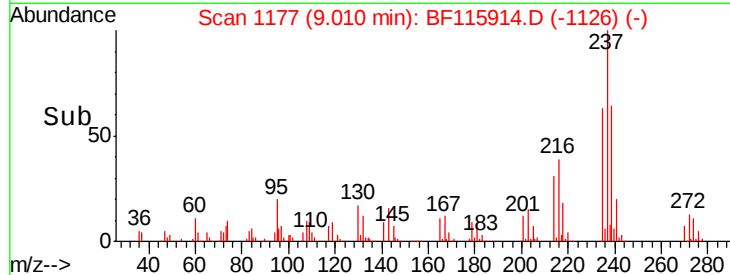
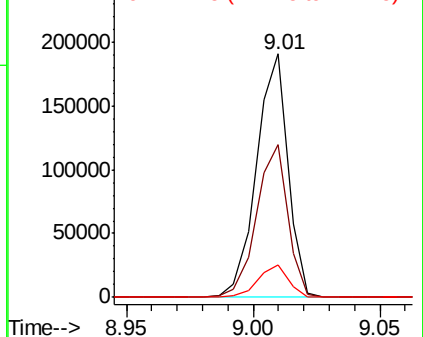
Tot Ion:	237	Resp:	165972
Ion Ratio	Lower	Upper	
237	100		
235	62.7	42.5	82.5
272	13.3	0.0	33.3

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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: 127.923 ng

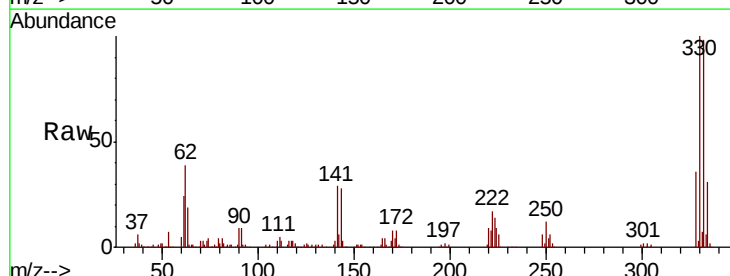
RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

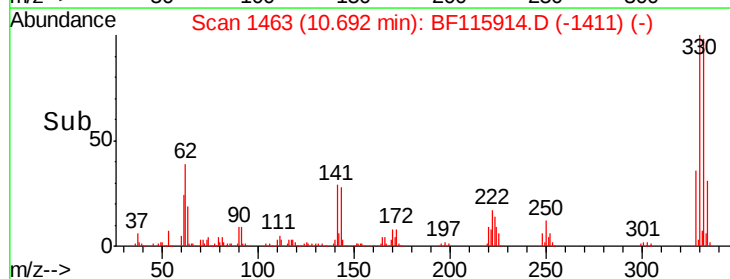
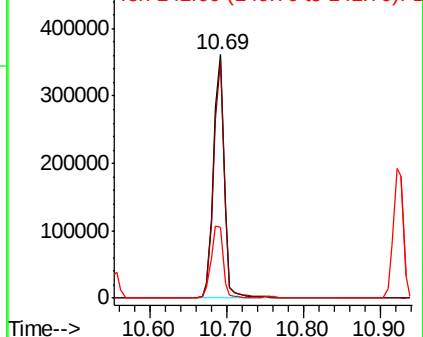
Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion:	330	Resp:	345520
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.7	116.5
141	33.5	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





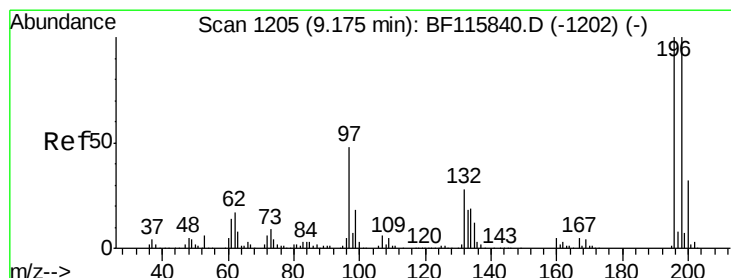
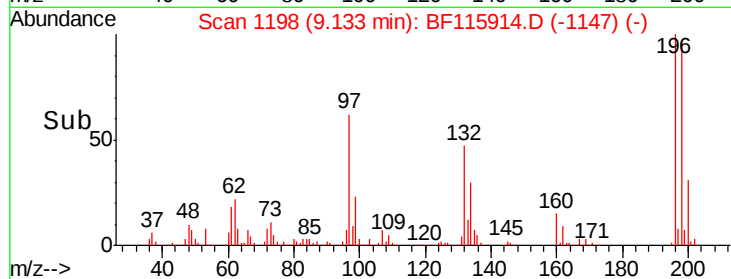
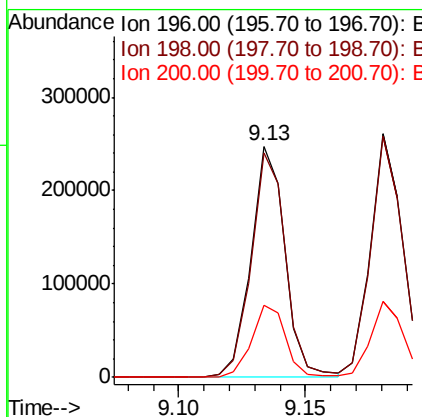
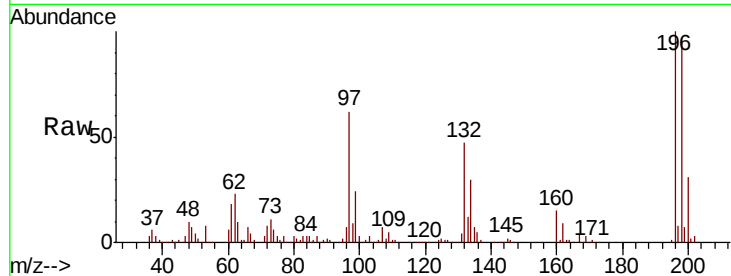
#43
 2,4,6-Trichlorophenol
 Concen: 45.349 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion:	196	Resp:	232478
Ion Ratio	Lower	Upper	
196	100		
198	97.4	79.1	118.7
200	31.1	26.0	39.0

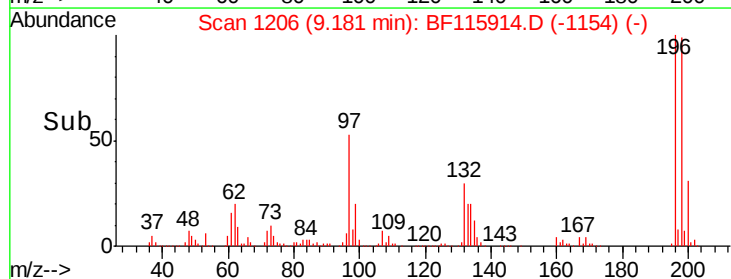
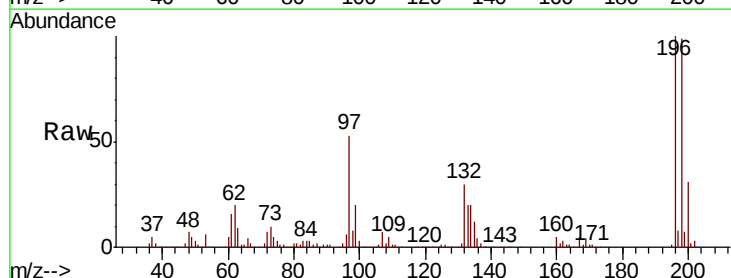
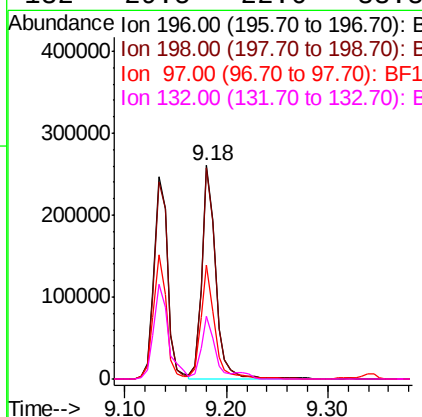
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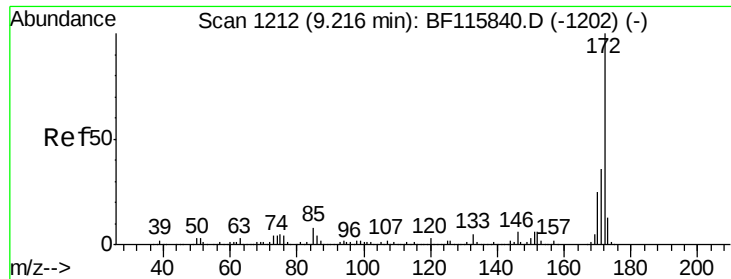
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#44
 2,4,5-Trichlorophenol
 Concen: 46.586 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion:	196	Resp:	246870
Ion Ratio	Lower	Upper	
196	100		
198	99.0	80.1	120.1
97	53.2	38.9	58.3
132	29.5	22.6	33.8





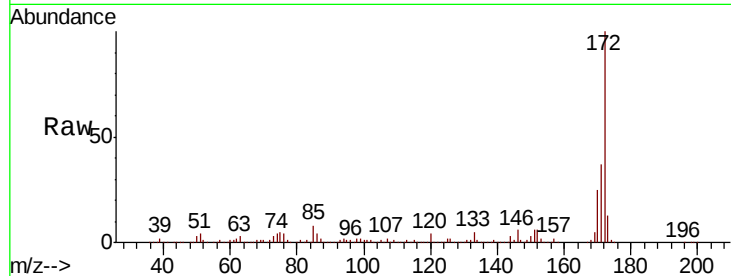
#45
2-Fluorobiphenyl
Concen: 103.024 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

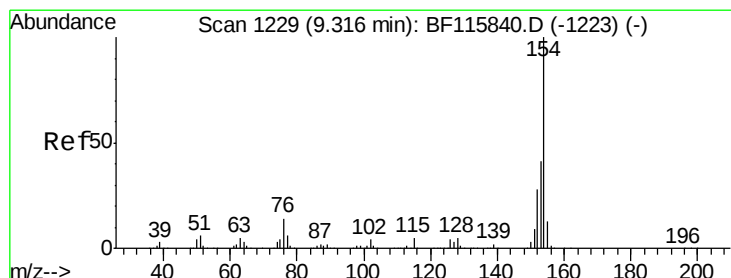
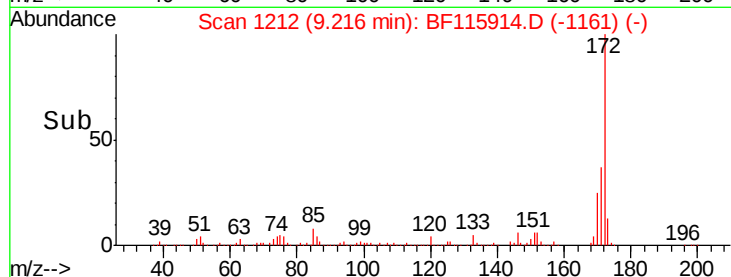
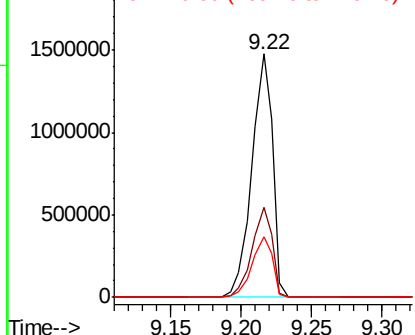
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.1	43.7
170	25.0	20.1	30.1

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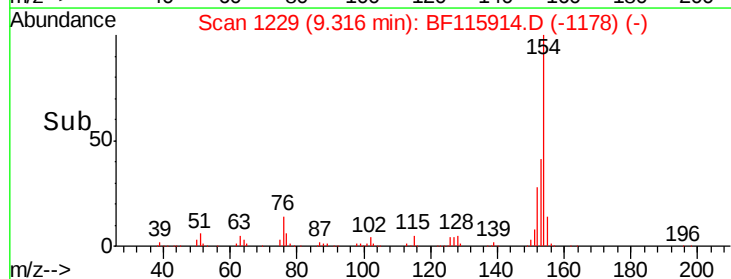
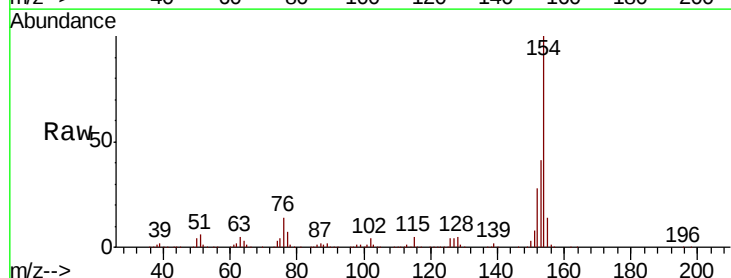
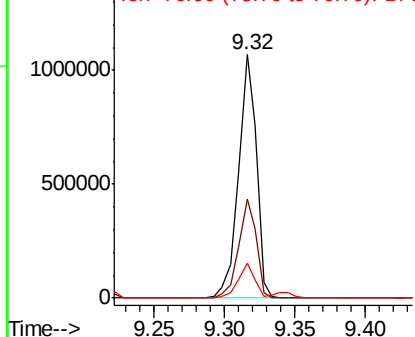
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

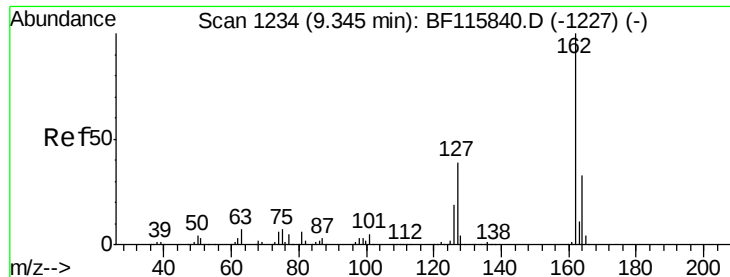


#46
1,1'-Biphenyl
Concen: 47.635 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	14.2	0.0	34.3

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





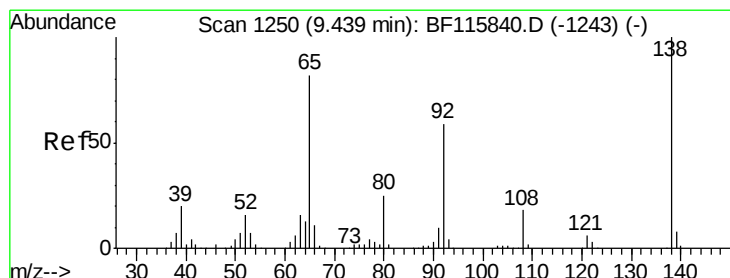
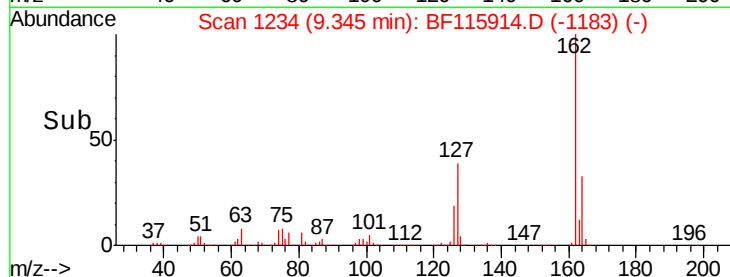
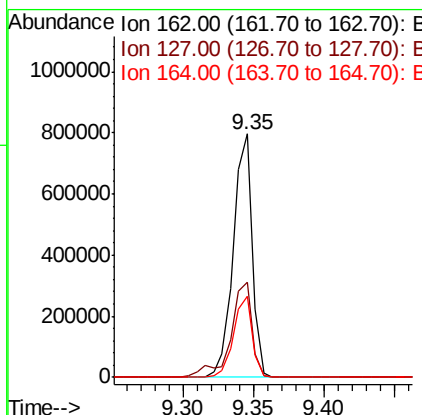
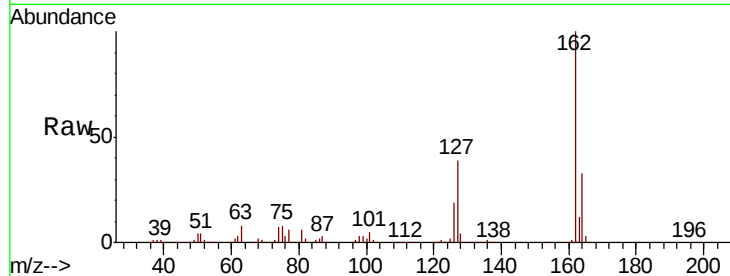
#47
 2-Chloronaphthalene
 Concen: 45.276 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.0	31.3	46.9		
164	33.4	26.6	40.0		

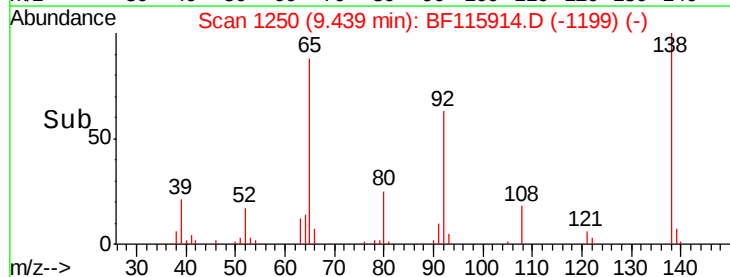
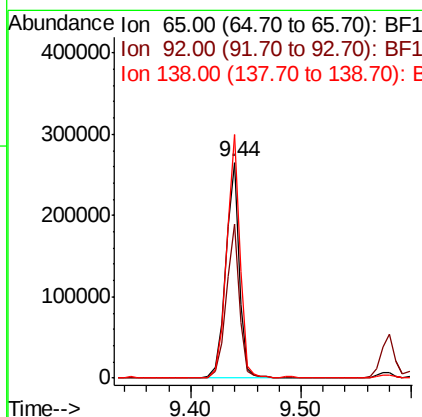
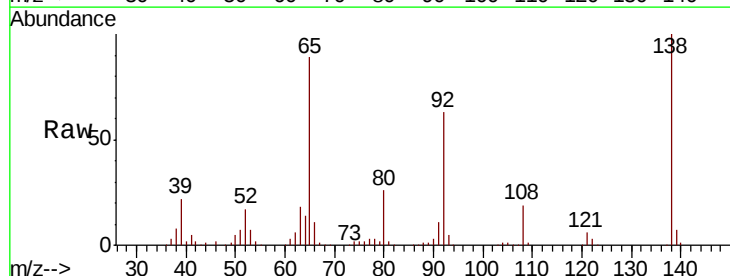
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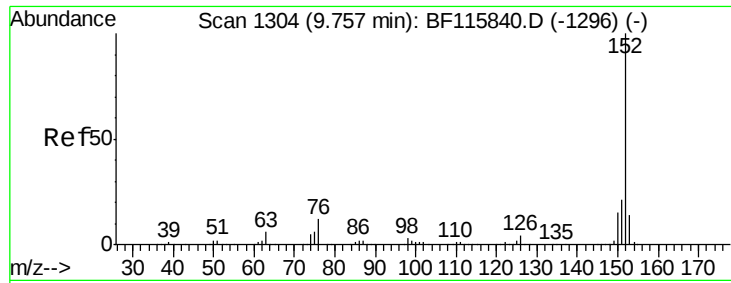
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#48
 2-Nitroaniline
 Concen: 42.395 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	71.2	57.1	85.7		
138	112.8	97.1	145.7		





#49

Acenaphthylene

Concen: 46.752 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

ClientSampleId :

HD-01-073019MSD

Tot Ion:152 Resp: 1116530

Ion Ratio Lower Upper

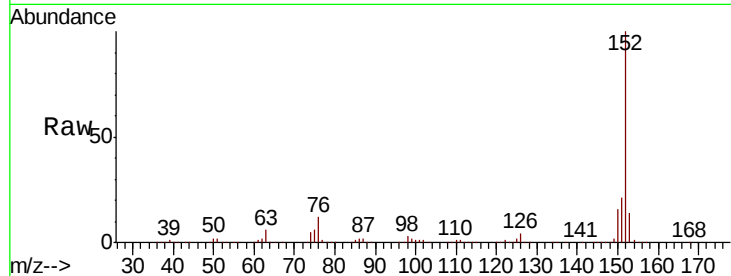
152 100

151 21.2 16.8 25.2

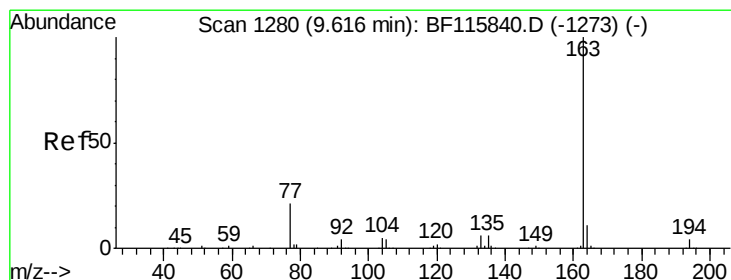
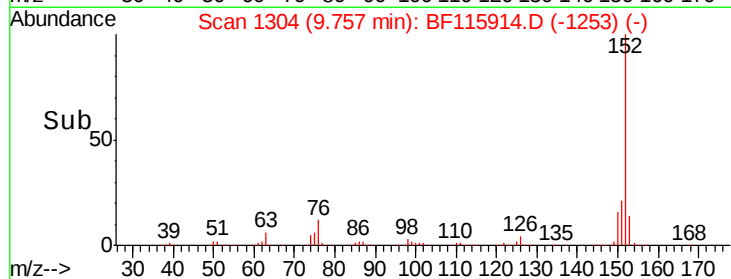
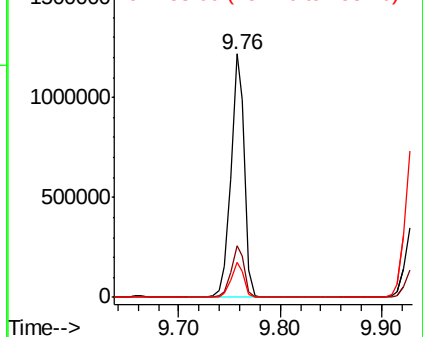
153 14.4 11.6 17.4

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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: 48.207 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

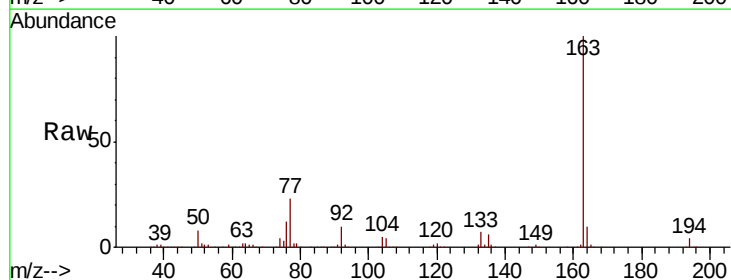
Tgt Ion:163 Resp: 914426

Ion Ratio Lower Upper

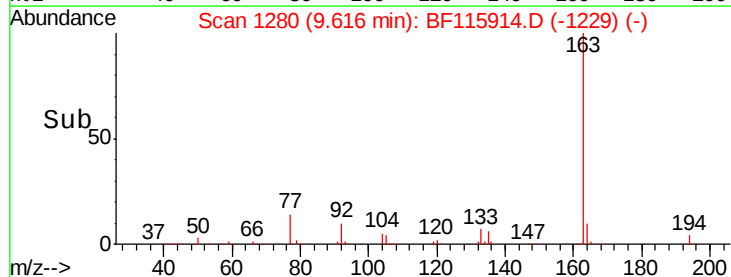
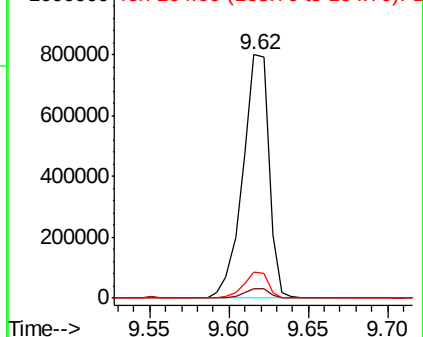
163 100

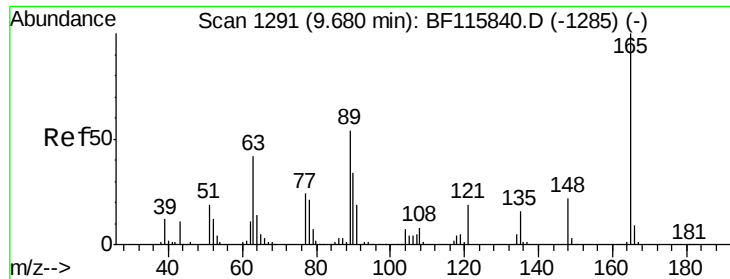
194 3.7 3.0 4.6

164 10.5 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: 46.086 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

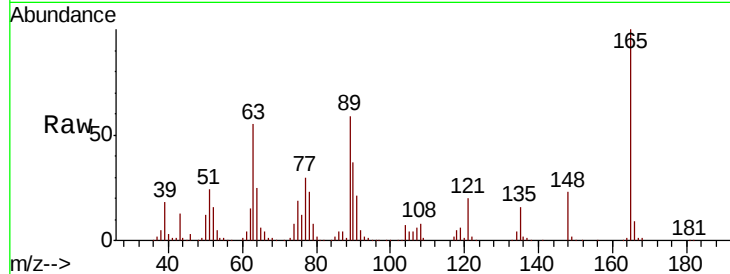
ClientSampleId :

HD-01-073019MSD

Tot Ion:	165	Resp:	189978
Ion Ratio	Lower	Upper	
165	100		
63	54.6	39.4	59.2
89	58.9	43.0	64.6

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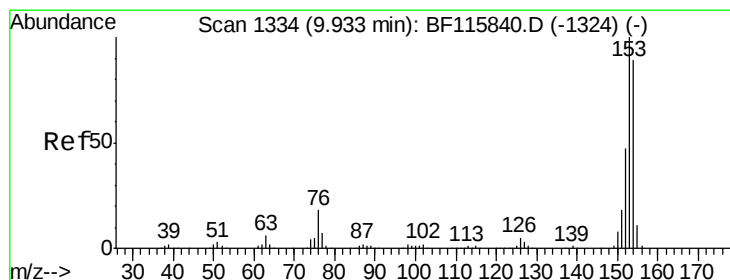
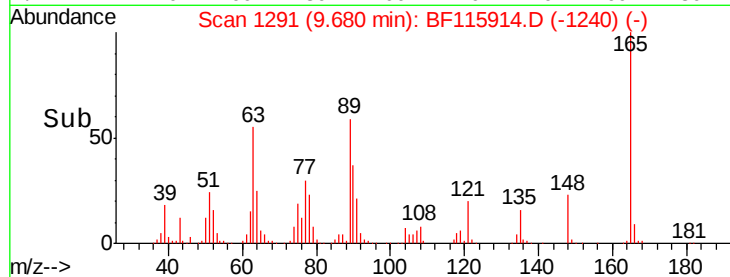
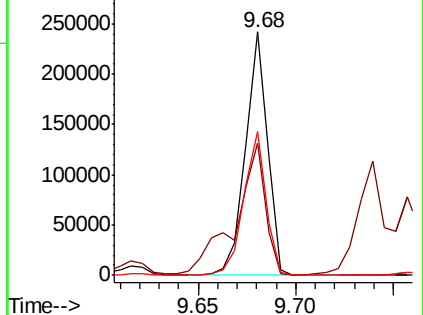
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 45.668 ng

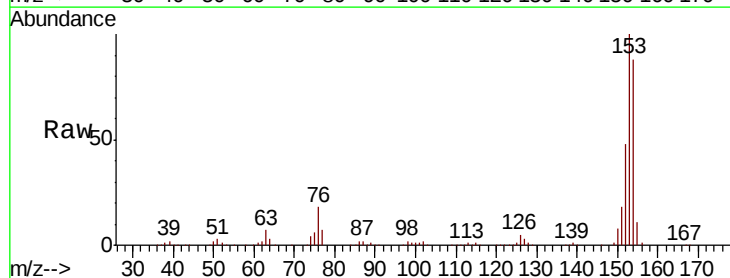
RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

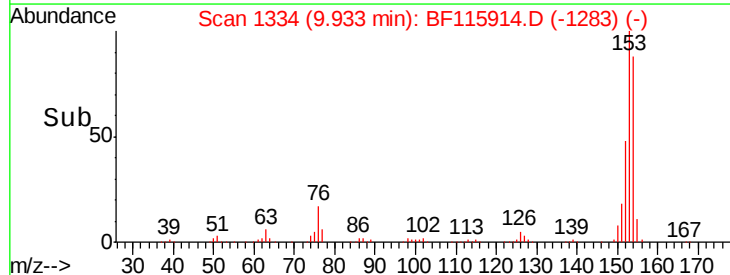
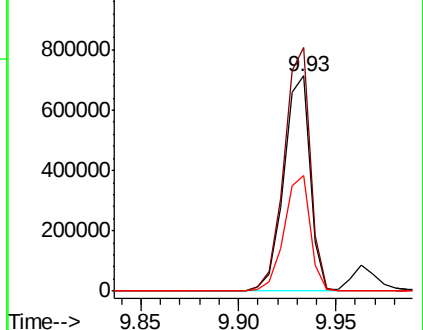
Tgt Ion:	154	Resp:	669099
Ion Ratio	Lower	Upper	
154	100		
153	113.1	90.1	135.1
152	53.8	42.6	63.8

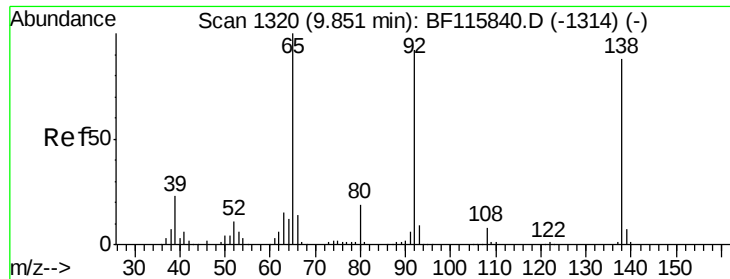


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





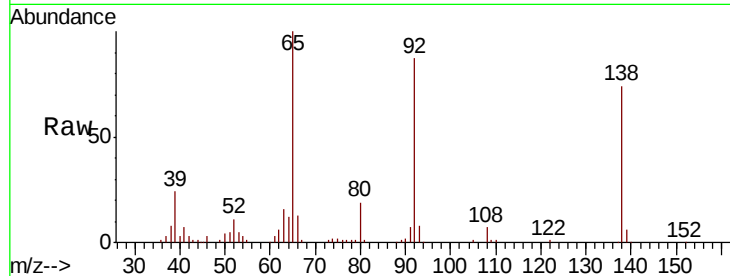
#53
3-Nitroaniline
Concen: 12.296 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

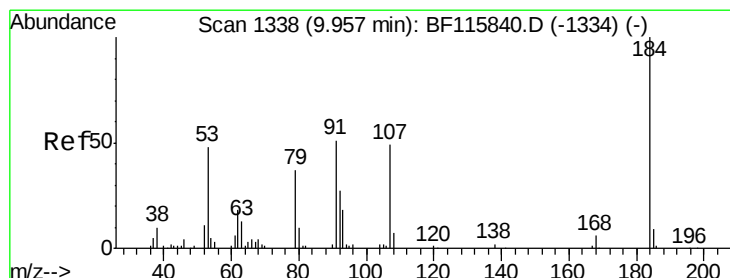
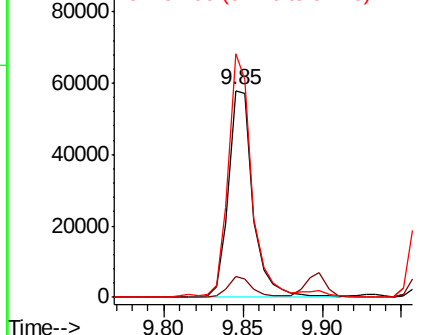
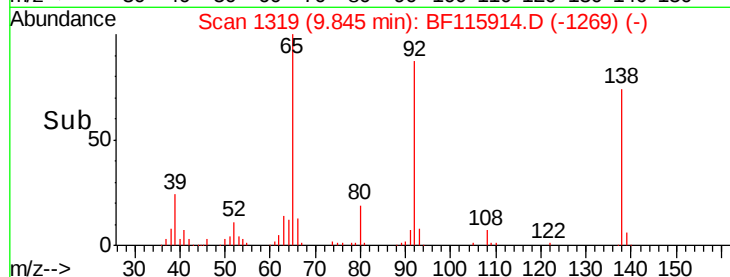
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.4	11.2
92	117.6	83.9	125.9

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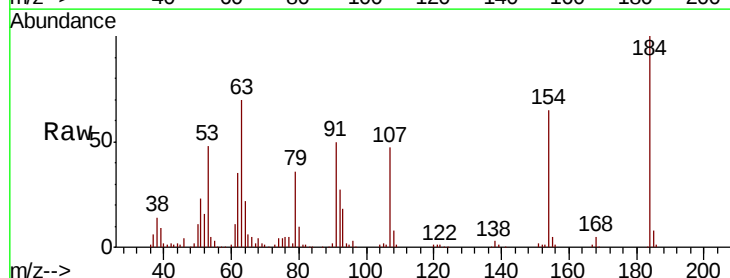


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

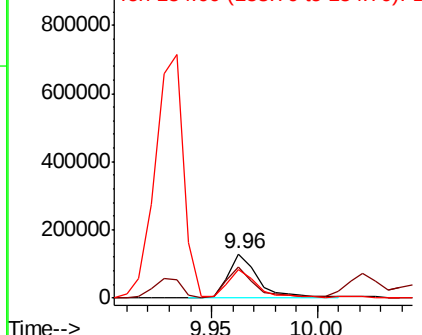
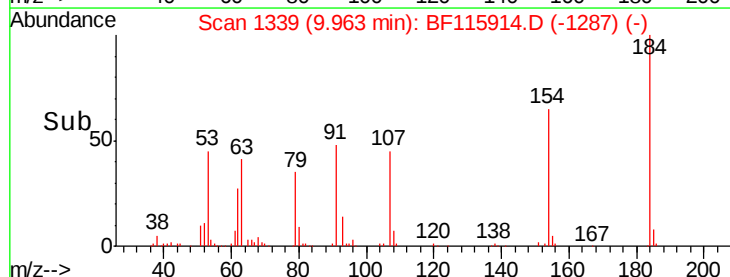


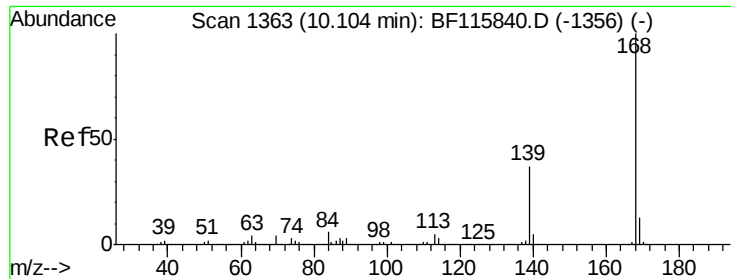
#54
2,4-Dinitrophenol
Concen: 62.482 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.1	56.7	85.1
154	65.4	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





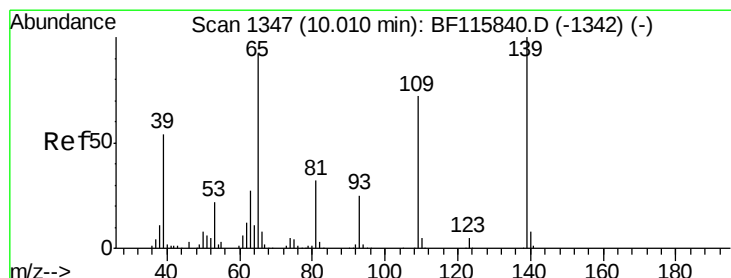
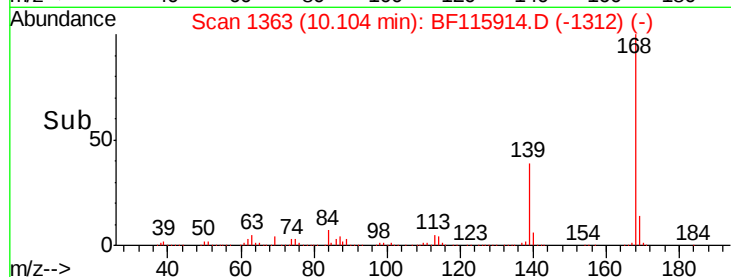
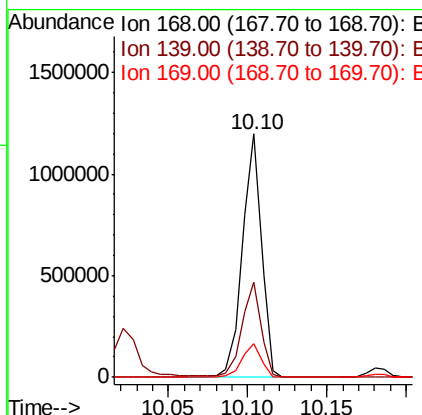
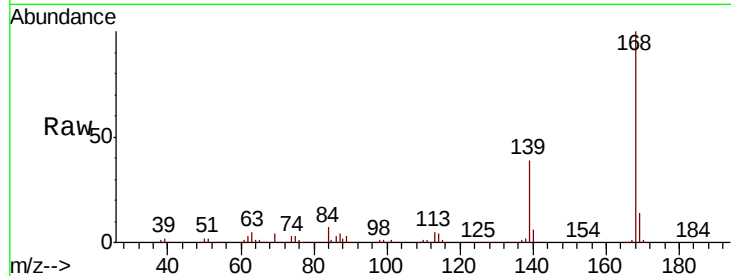
#55
Dibenzofuran
Concen: 46.952 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.2	45.2
169	13.9	10.8	16.2

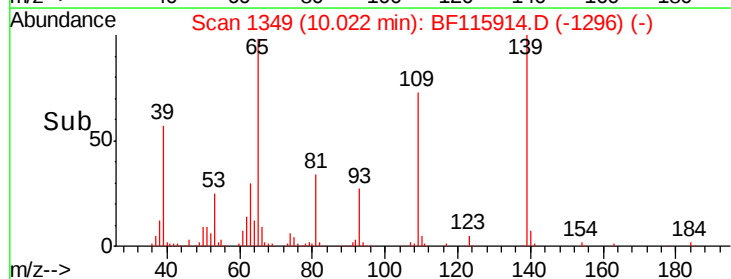
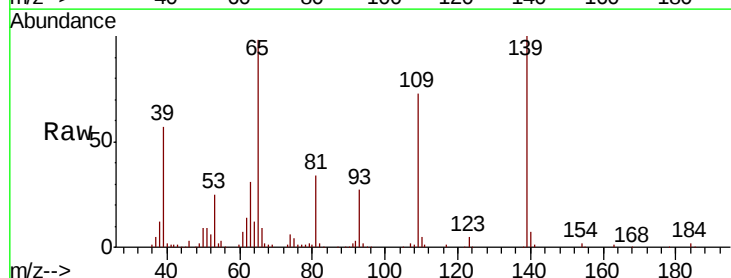
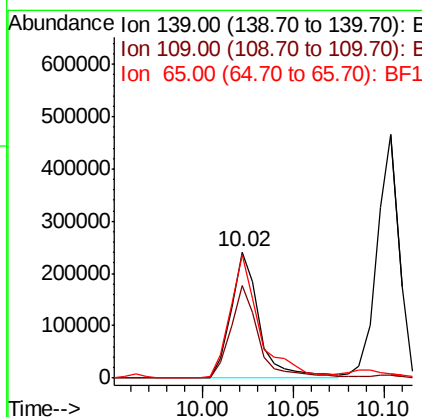
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#56
4-Nitrophenol
Concen: 81.117 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.9	52.0	92.0
65	98.1	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 44.992 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

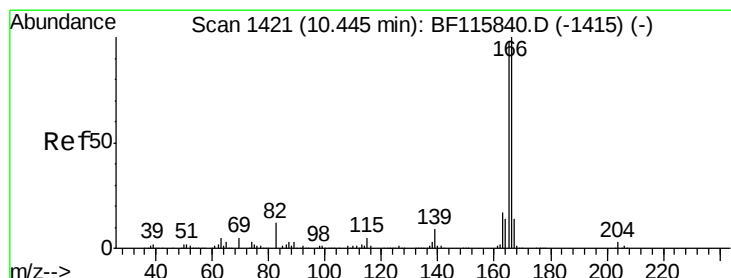
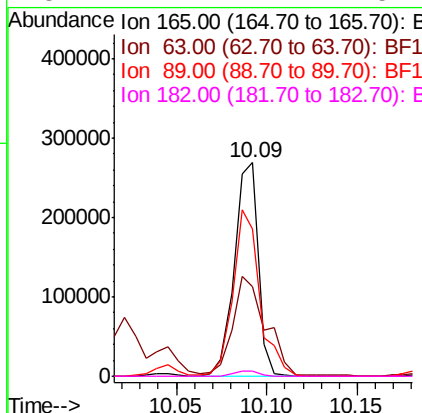
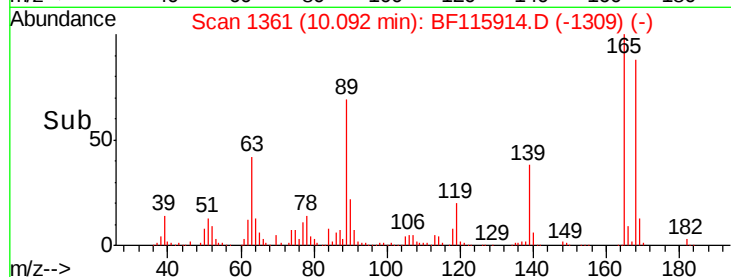
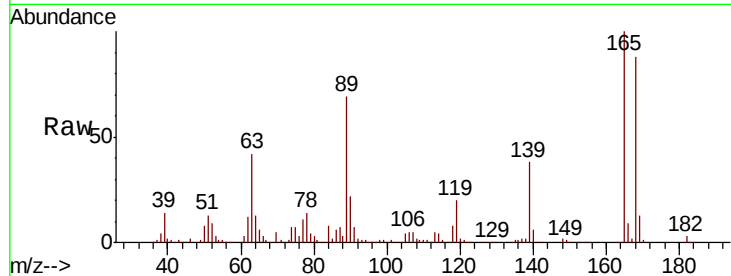
ClientSampleId :

HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	246935		
63	41.9	33.2	49.8	
89	68.7	57.3	85.9	
182	2.7	2.1	3.1	

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#58

Fluorene

Concen: 46.938 ng

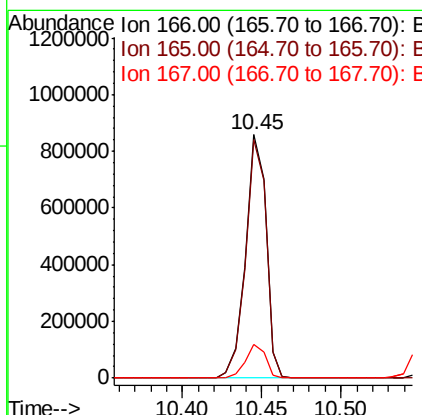
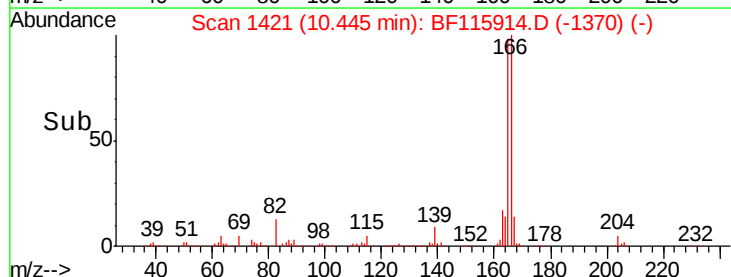
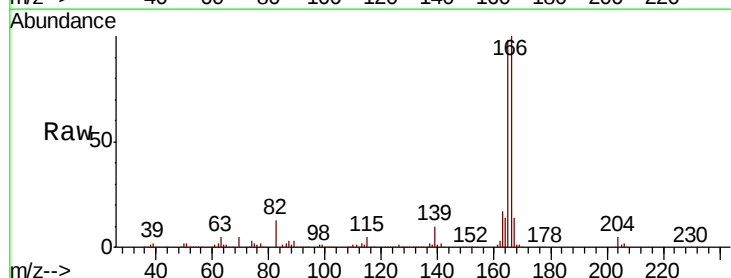
RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	769449		
165	98.2	78.6	118.0	
167	14.0	10.9	16.3	





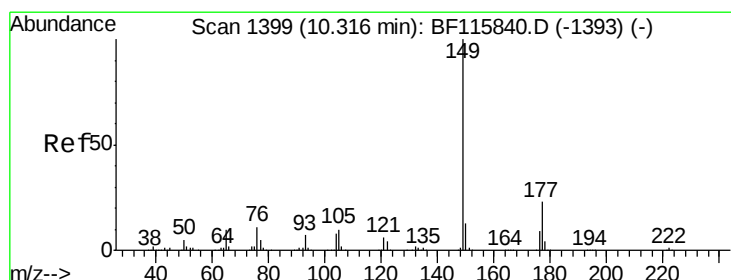
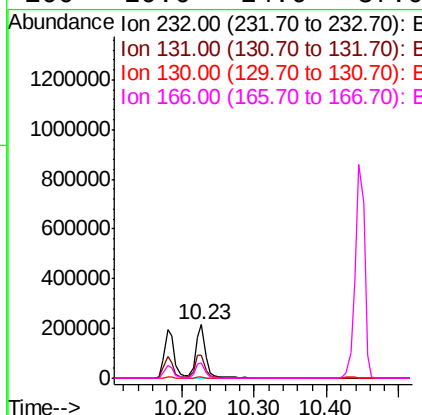
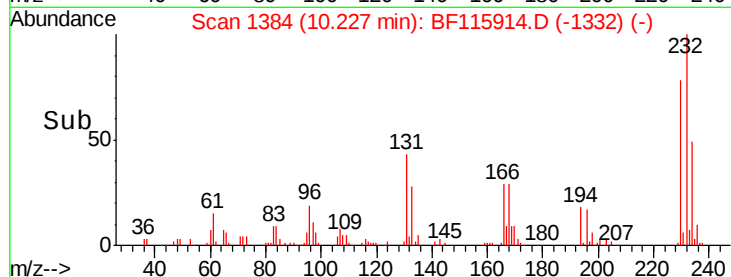
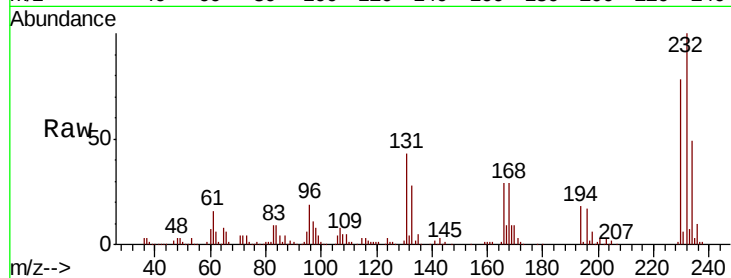
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.745 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.6	56.4
130	2.5	1.8	2.8
166	29.6	24.6	37.0

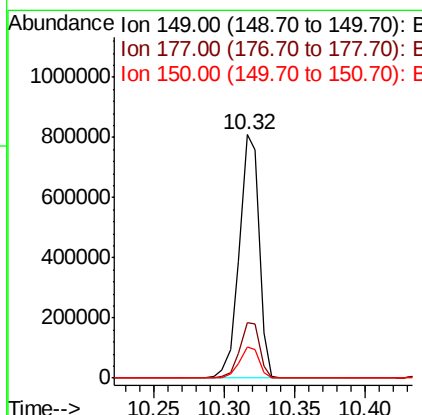
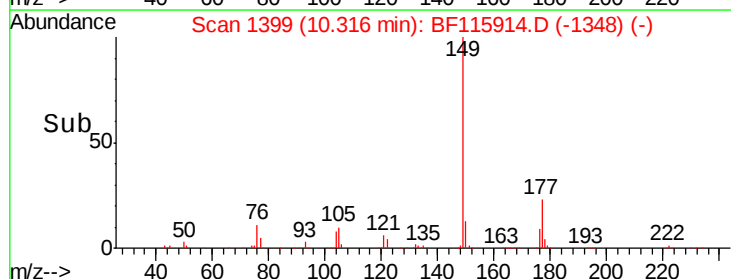
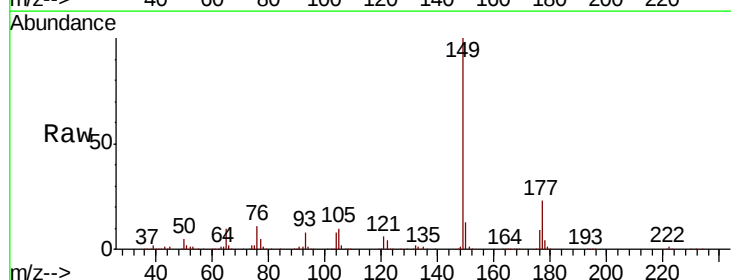
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#60
 Diethylphthalate
 Concen: 44.868 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.9	10.1	15.1





#61

4-Chlorophenyl-phenylether

Concen: 46.559 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

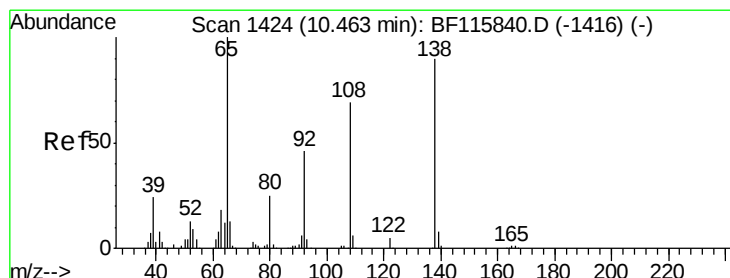
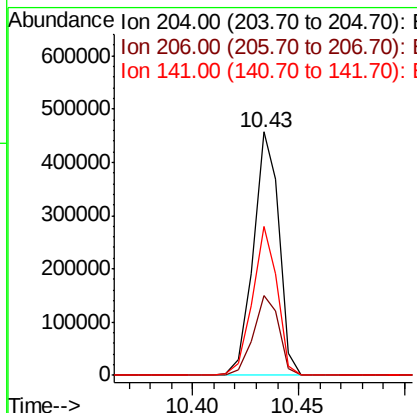
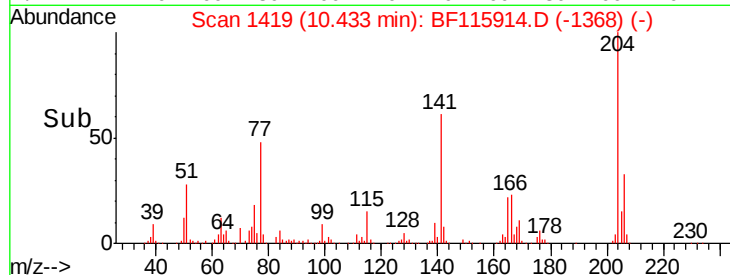
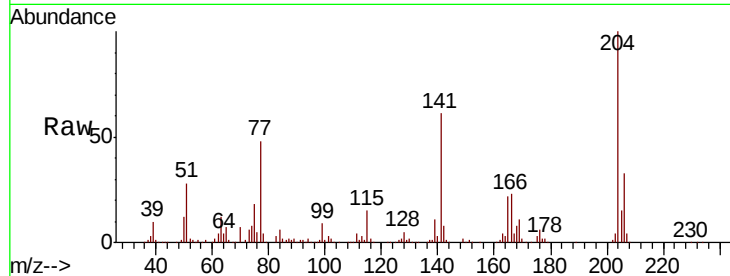
ClientSampleId :

HD-01-073019MSD

Tot Ion:	204	Resp:	386543
Ion Ratio	Lower	Upper	
204	100		
206	32.9	26.4	39.6
141	61.2	47.0	70.4

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#62

4-Nitroaniline

Concen: 34.958 ng

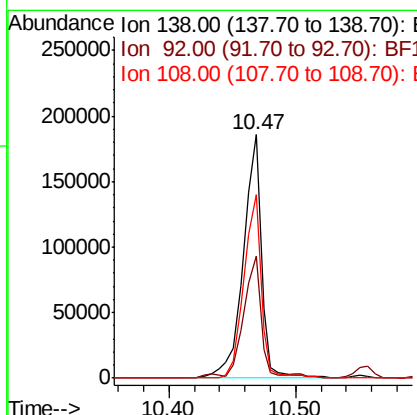
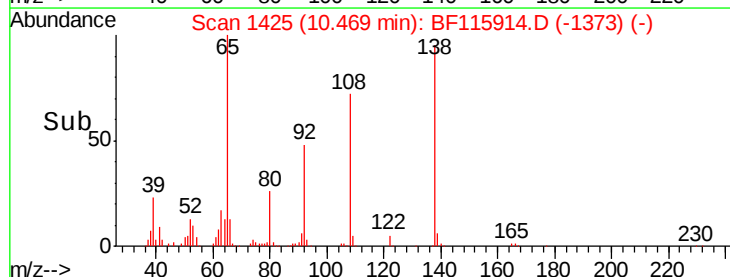
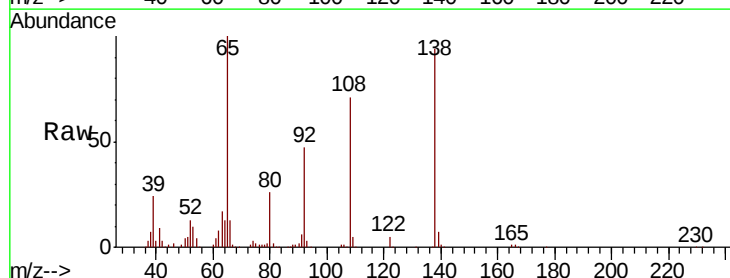
RT: 10.47 min Scan# 1425

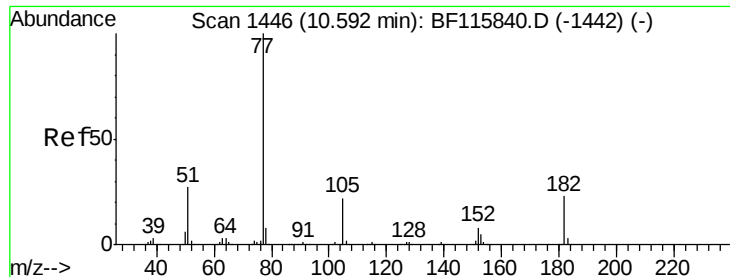
Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Tgt Ion:	138	Resp:	184018
Ion Ratio	Lower	Upper	
138	100		
92	50.3	31.0	71.0
108	75.3	56.7	96.7





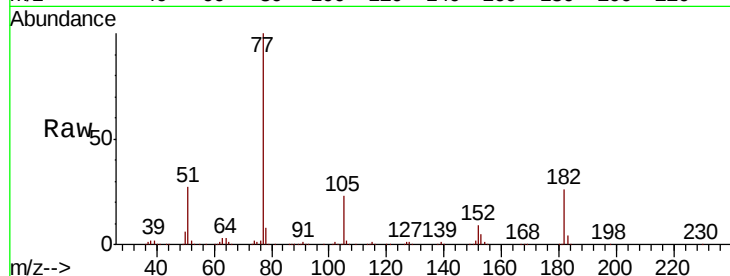
#63
Azobenzene
Concen: 45.970 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

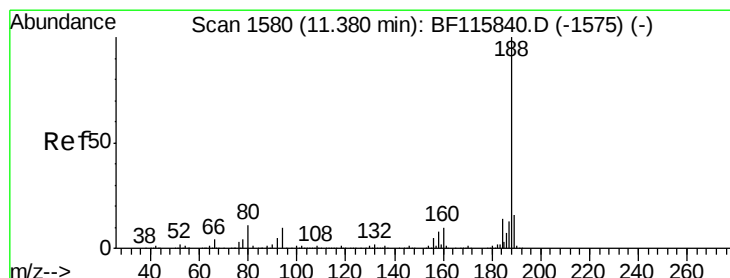
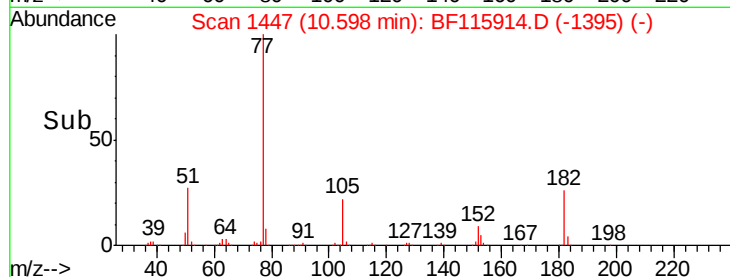
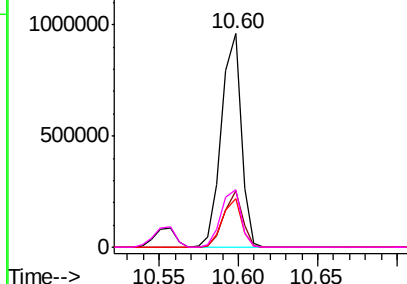
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.3	2.6	42.6
105	22.5	1.6	41.6
51	26.8	7.4	47.4

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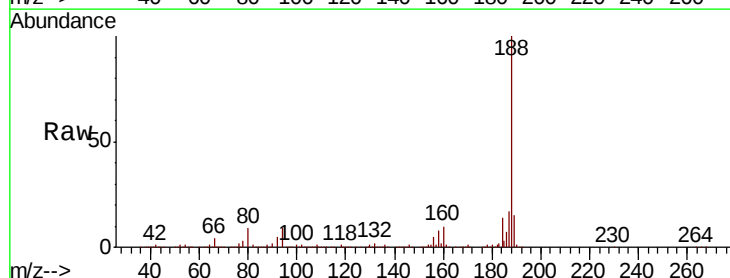


Abundance Ion 77.00 (76.70 to 77.70): BF1
1500000
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

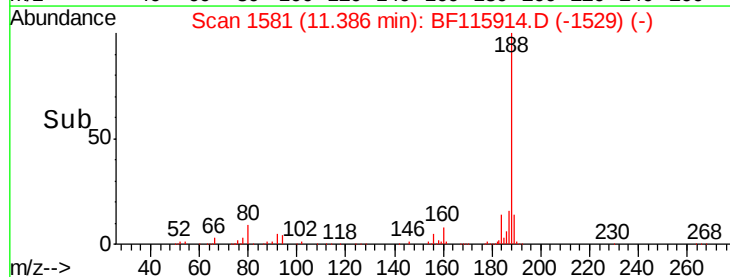
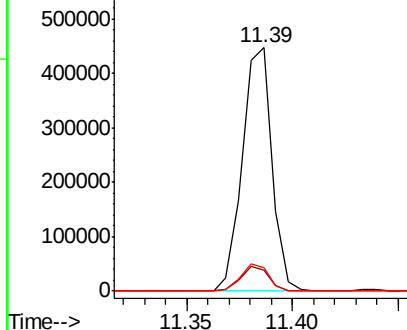


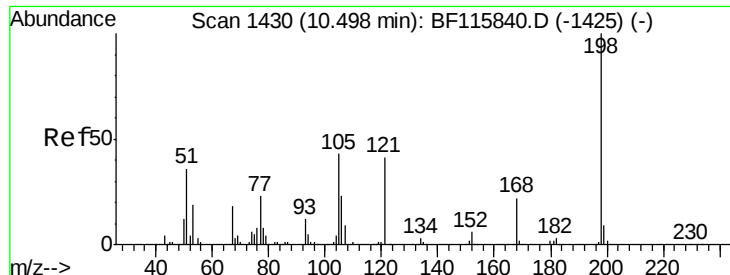
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.0	12.0
80	9.5	8.6	12.8



Abundance Ion 188.00 (187.70 to 188.70): E
600000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





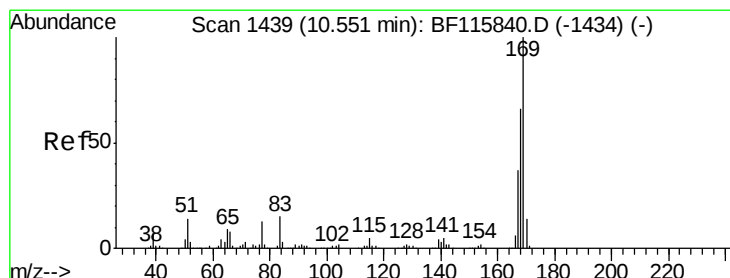
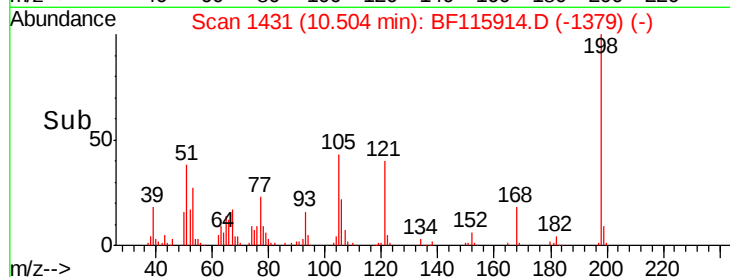
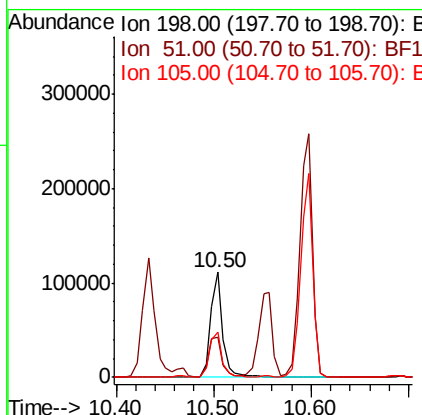
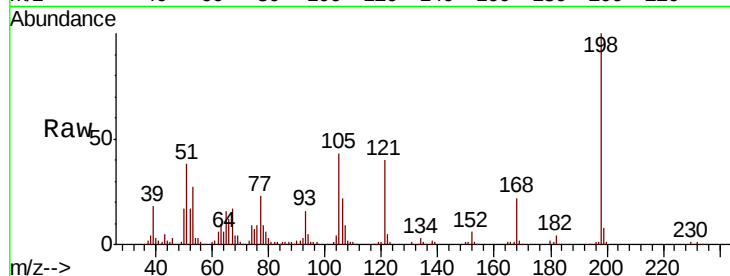
#65
 4,6-Dinitro-2-methylphenol
 Concen: 40.905 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	94231		
51	38.2	21.1	61.1	
105	42.7	24.5	64.5	

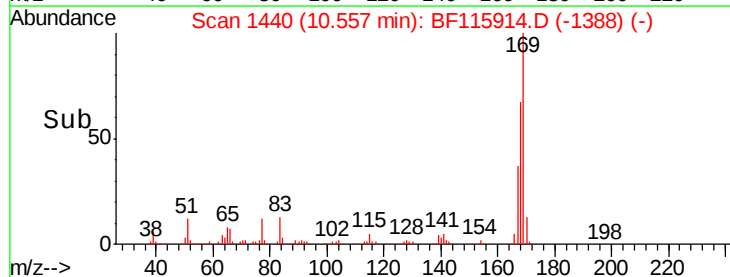
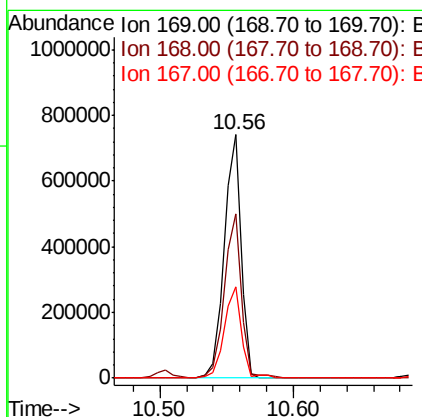
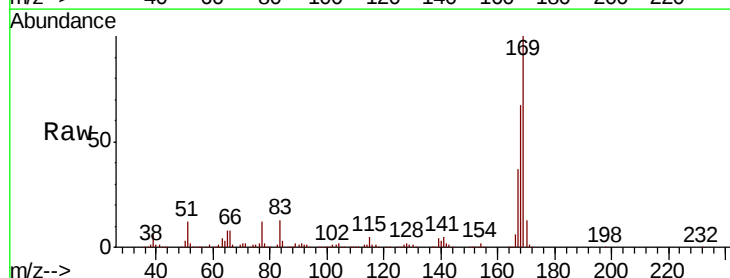
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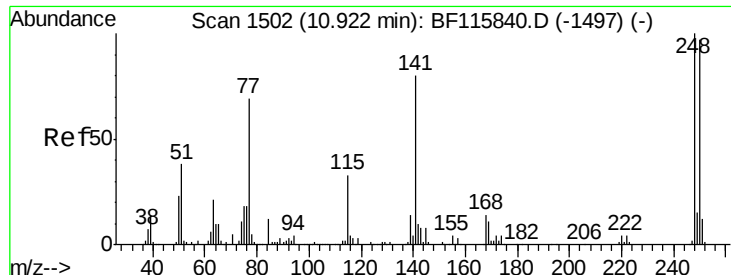
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#66
 n-Nitrosodiphenylamine
 Concen: 50.909 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	666105		
168	67.5	53.0	79.6	
167	37.3	29.9	44.9	





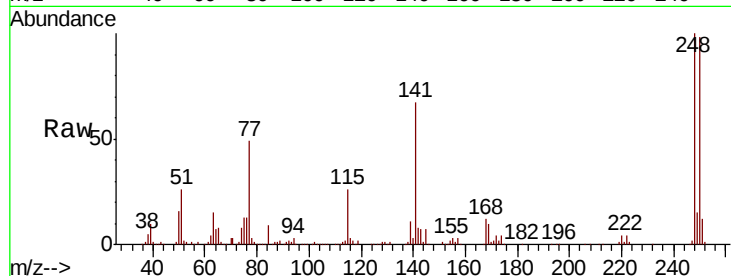
#67
4-Bromophenyl-phenylether
Concen: 50.856 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.6
141	67.0	64.3	96.5

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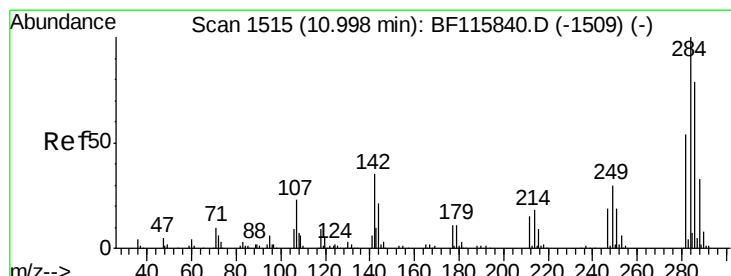
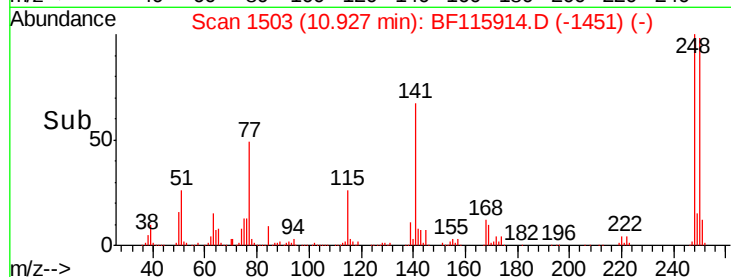
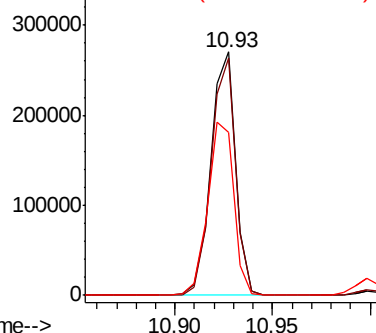


Abundance

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: 49.601 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

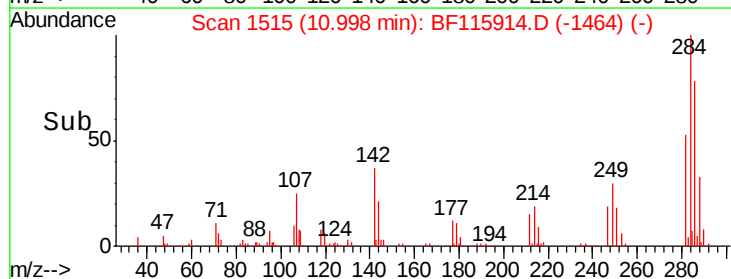
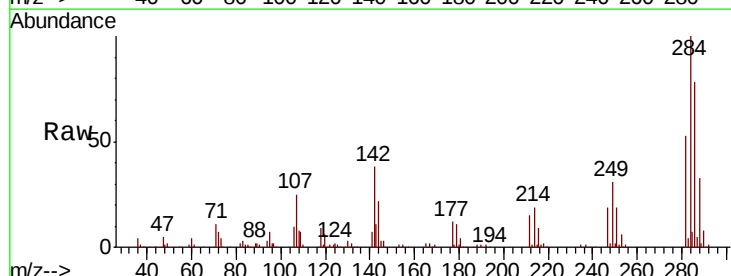
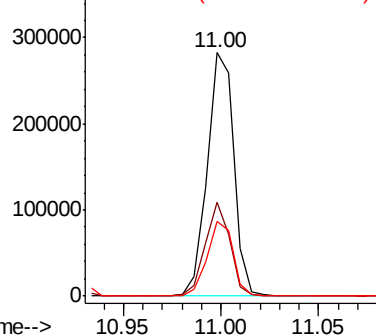
Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.4	28.2	42.2
249	30.5	24.0	36.0

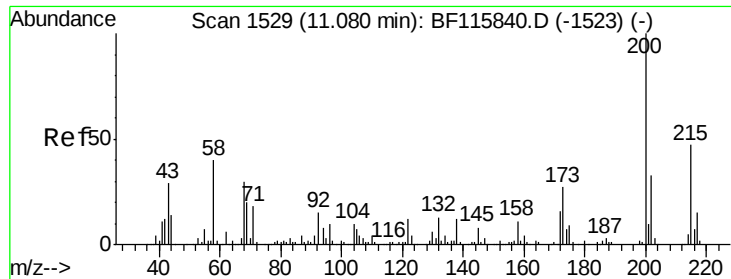
Abundance

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





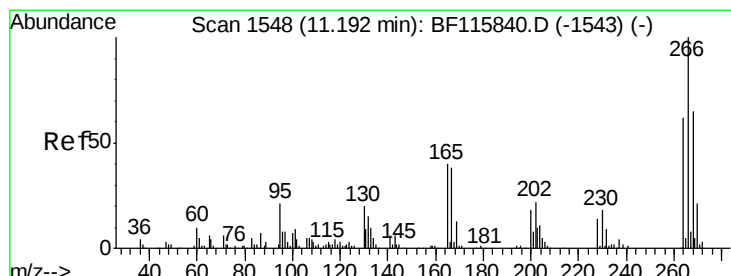
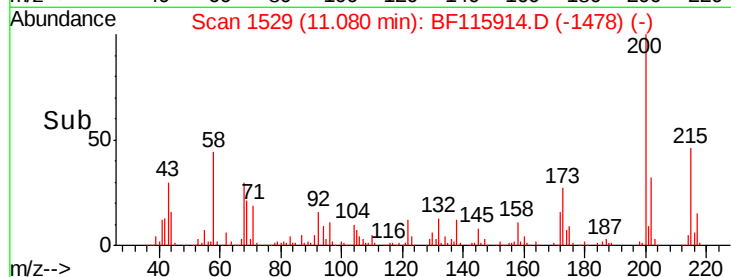
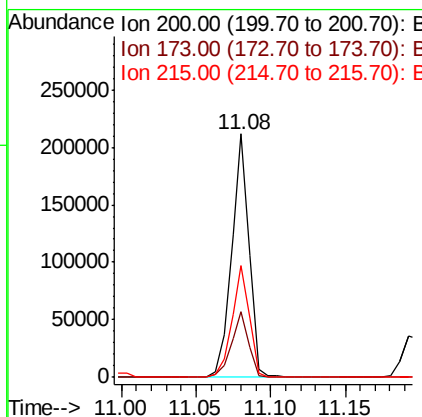
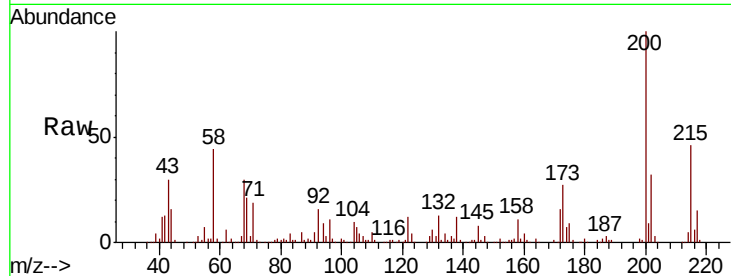
#69
 Atrazine
 Concen: 40.870 ng
 RT: 11.08 min Scan# 1529
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	175922		
173	26.8	7.3	47.3	
215	45.8	26.9	66.9	

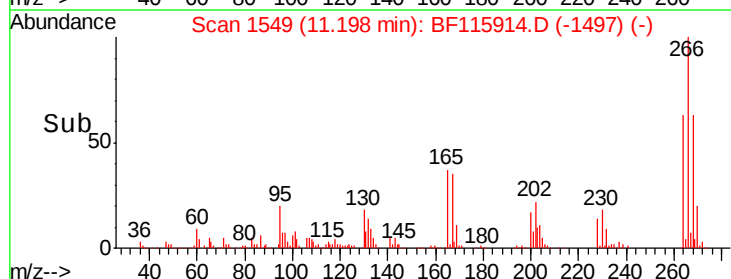
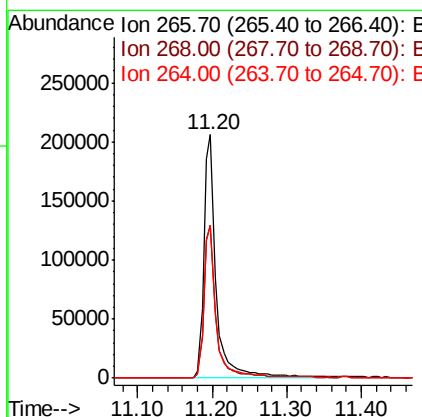
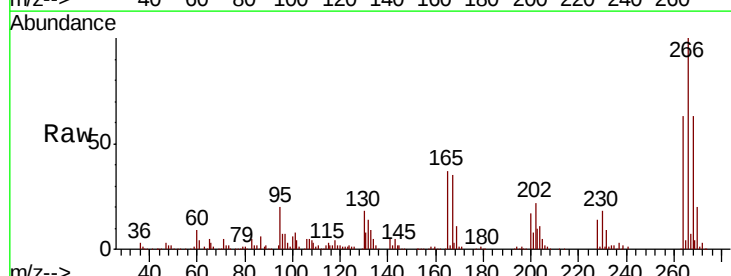
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#70
 Pentachlorophenol
 Concen: 93.131 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	243304		
268	62.6	51.6	77.4	
264	62.6	49.4	74.0	





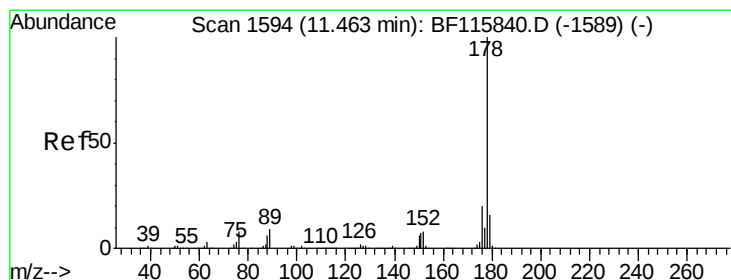
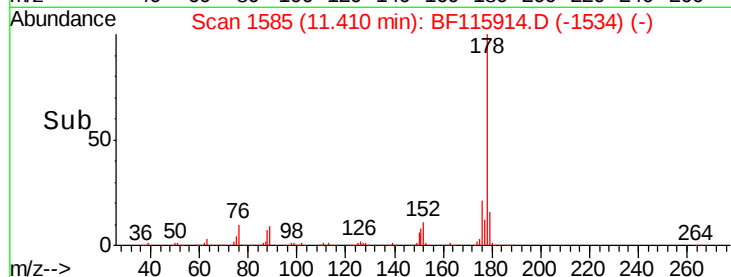
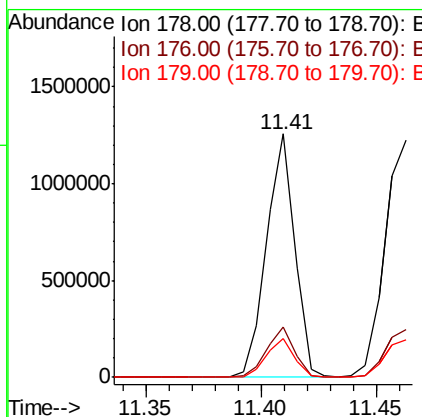
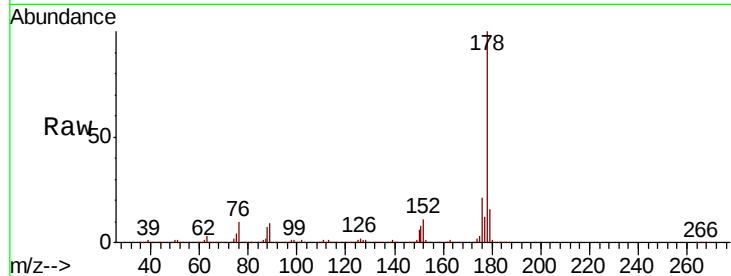
#71
Phenanthrene
Concen: 48.287 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion:178 Resp: 1073084
Ion Ratio Lower Upper
178 100
176 20.7 16.5 24.7
179 16.1 12.6 18.8

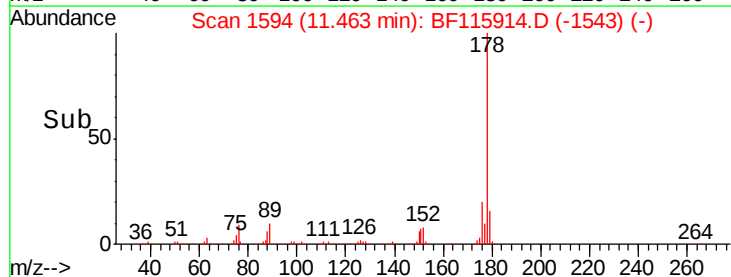
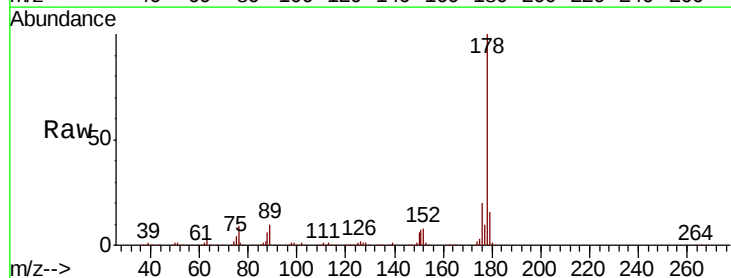
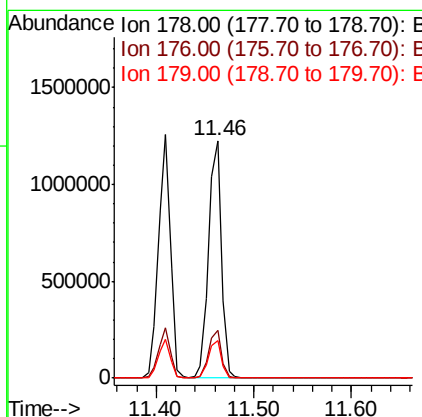
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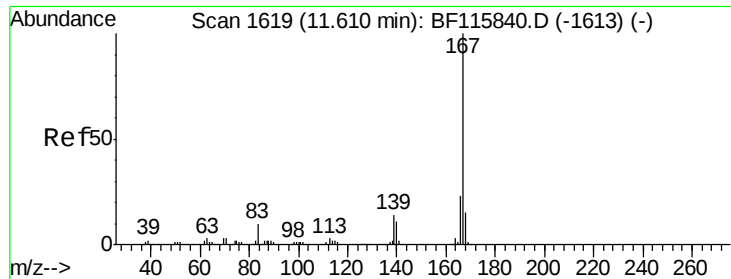
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#72
Anthracene
Concen: 50.339 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion:178 Resp: 1132162
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 16.0 12.4 18.6





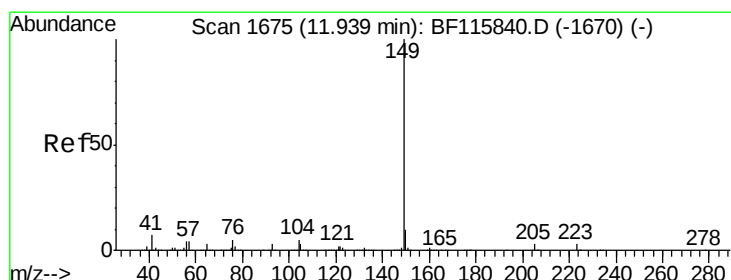
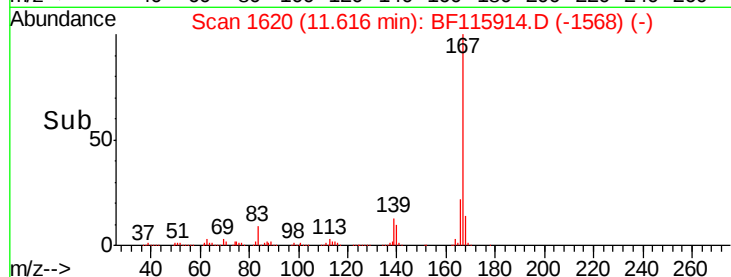
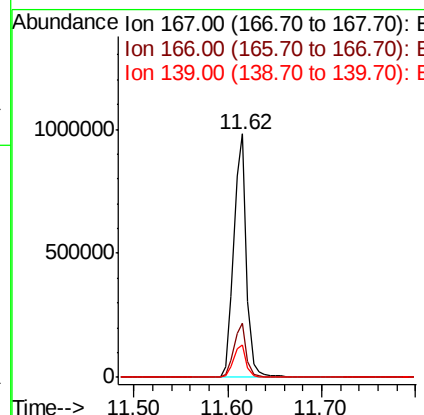
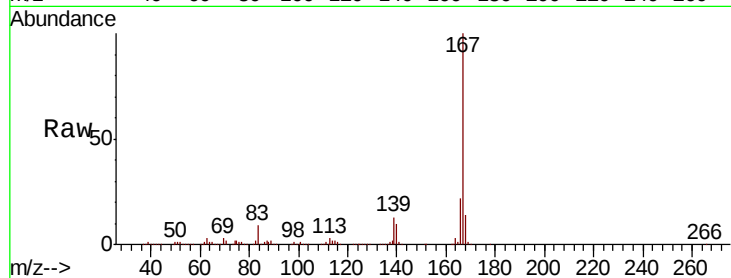
#73
 Carbazole
 Concen: 45.094 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.4	11.4	17.2

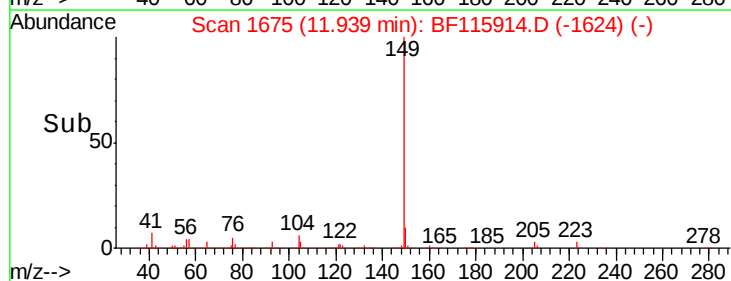
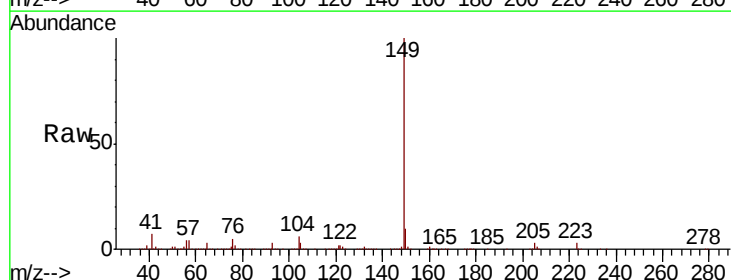
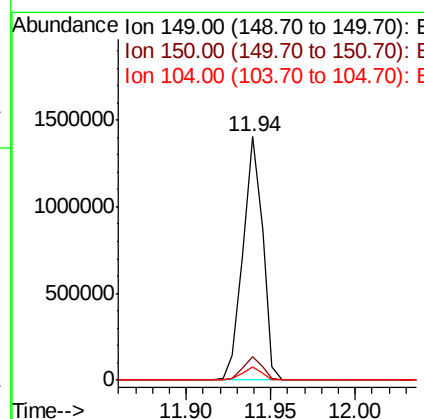
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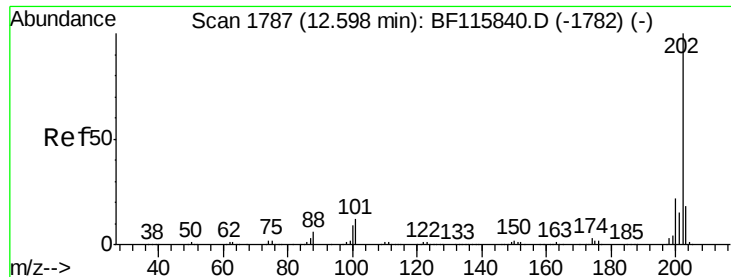
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#74
 Di-n-butylphthalate
 Concen: 47.690 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.6	4.3	6.5





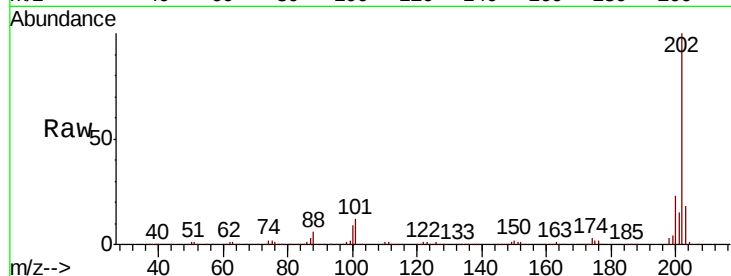
#75
 Fluoranthene
 Concen: 42.162 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

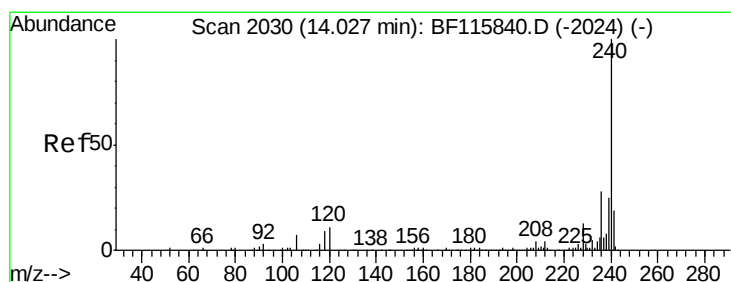
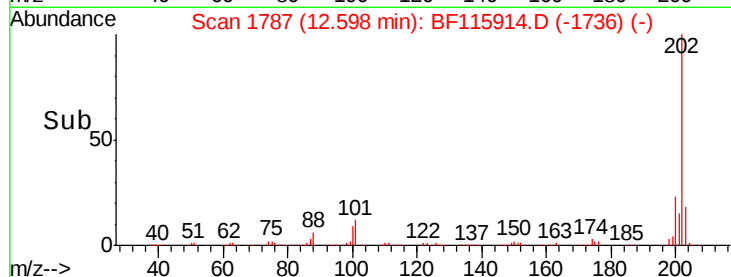
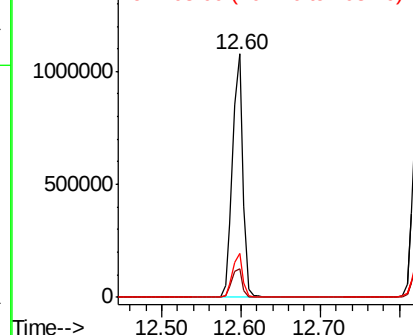
Tot Ion	Ratio	Resp	Lower	Upper
202	100	980913		
101	11.7	0.0	31.5	
203	17.9	0.0	37.9	

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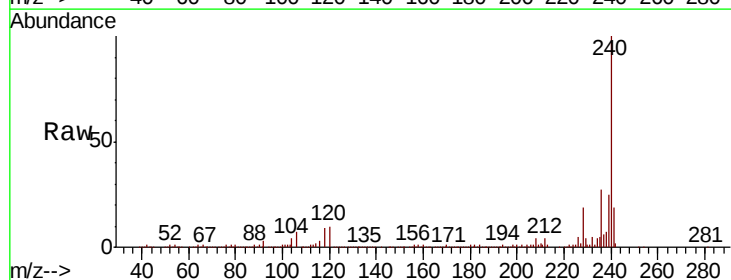


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

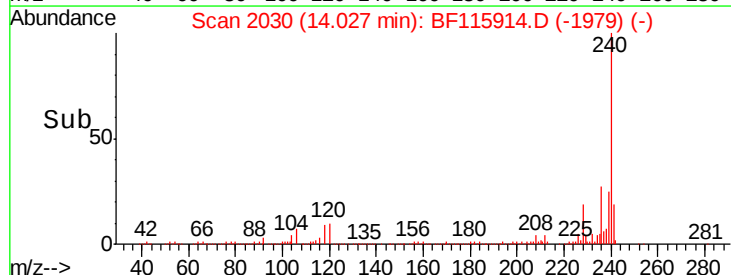
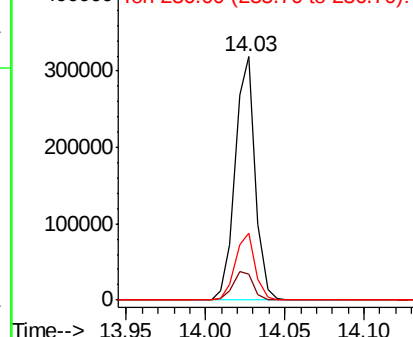


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	279019		
120	10.4	8.5	12.7	
236	27.3	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: 1.460 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

Instrument :

BNA_F

ClientSampleId :

HD-01-073019MSD

Tot Ion:184 Resp: 13759

Ion Ratio Lower Upper

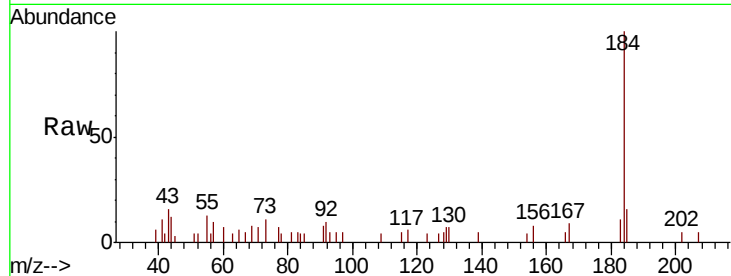
184 100

185 16.5 13.4 20.2

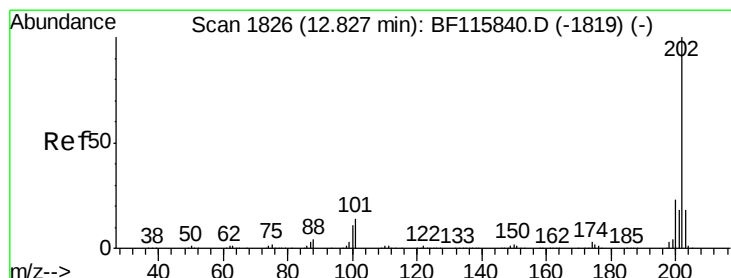
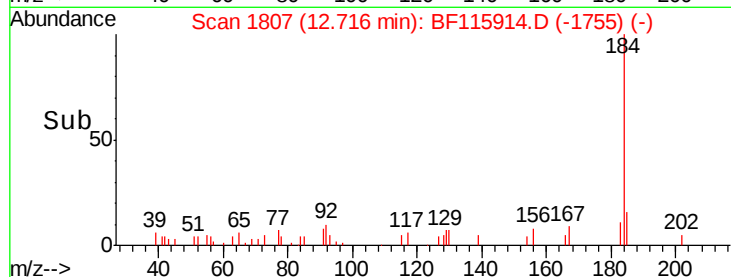
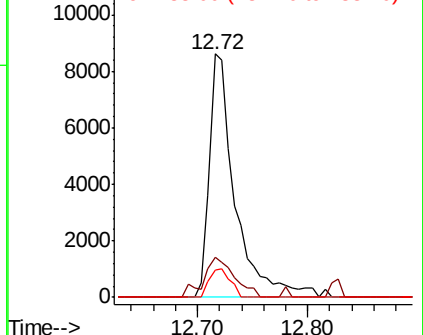
183 11.2 9.1 13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.520 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115914.D

Acq: 1 Aug 2019 18:49

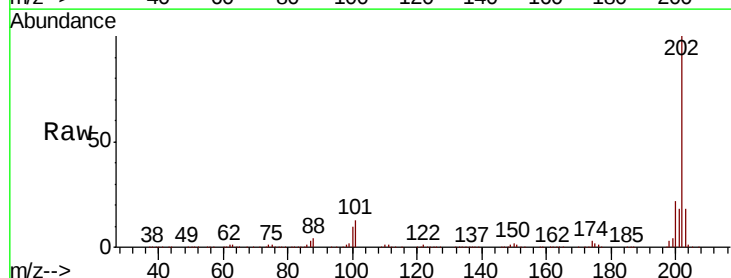
Tgt Ion:202 Resp: 978438

Ion Ratio Lower Upper

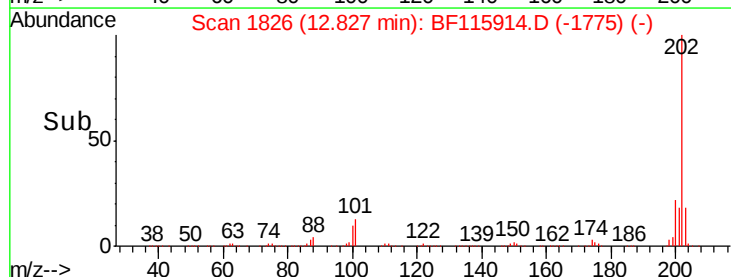
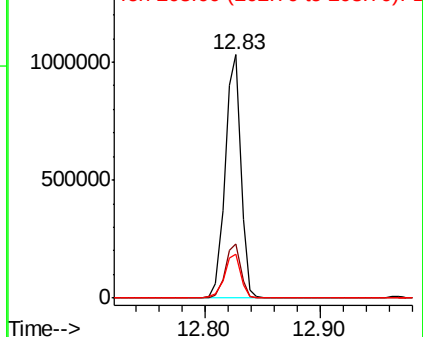
202 100

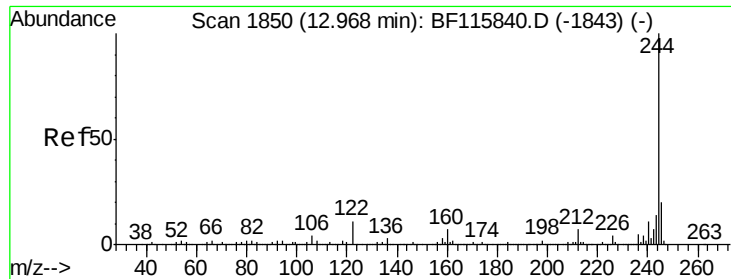
200 22.4 18.2 27.2

203 18.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





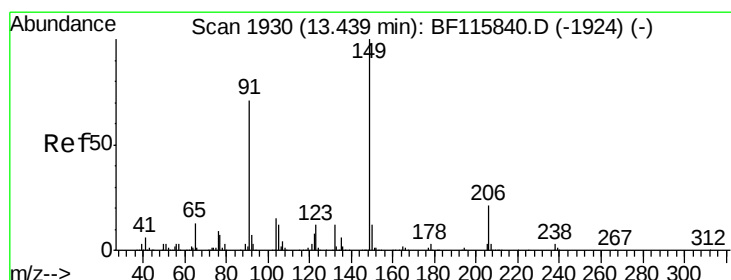
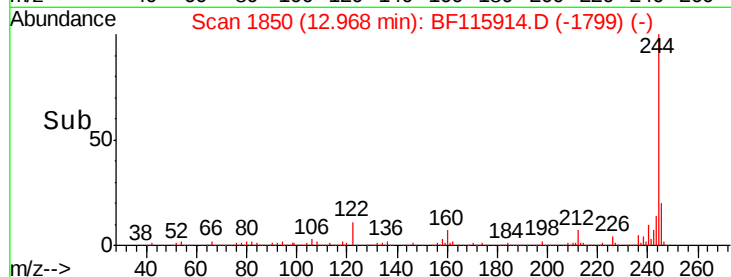
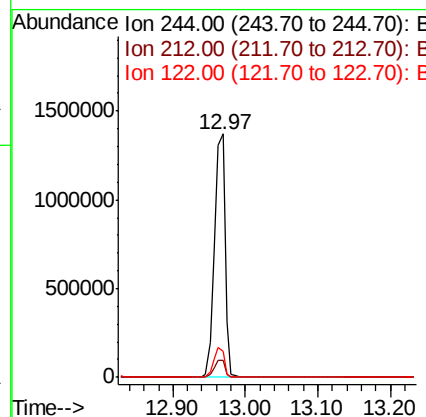
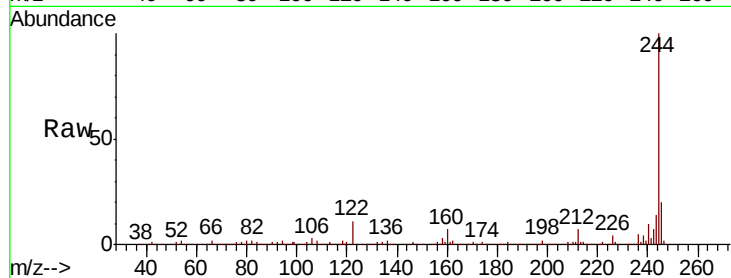
#79
 Terphenyl-d14
 Concen: 106.188 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.6	8.6	13.0

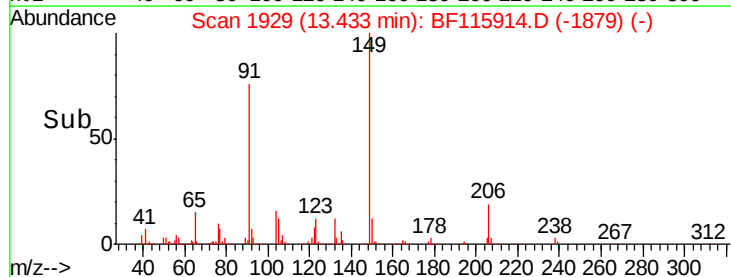
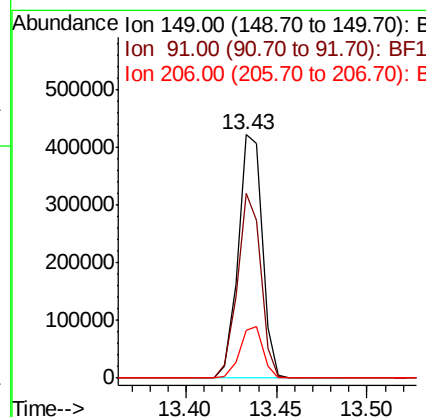
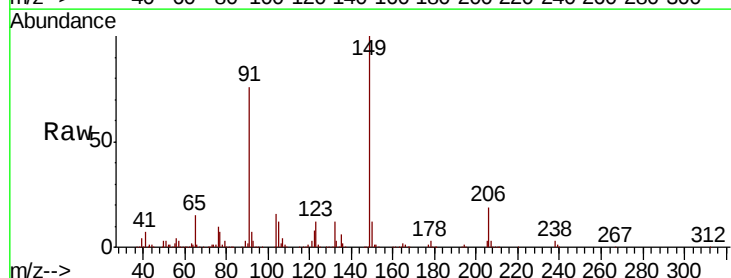
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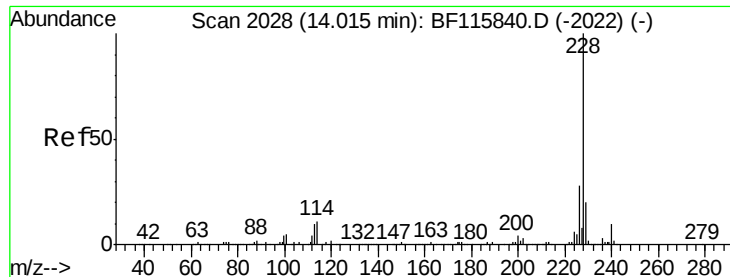
mohammad
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#80
 Butylbenzylphthalate
 Concen: 44.154 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.0	57.0	85.6
206	19.5	16.9	25.3





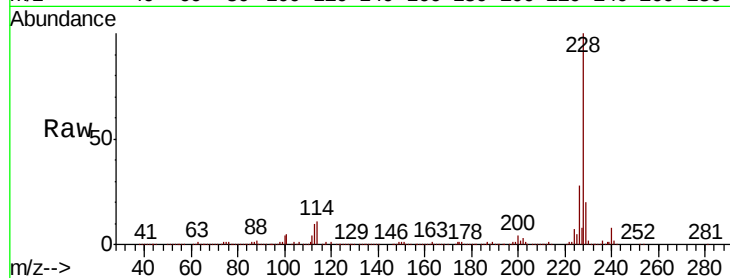
#81
Benzo(a)anthracene
Concen: 50.405 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	19.9	16.1	24.1

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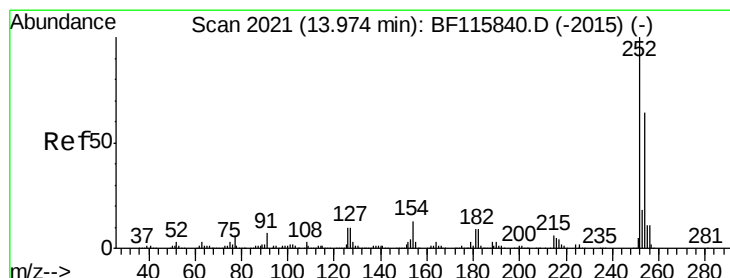
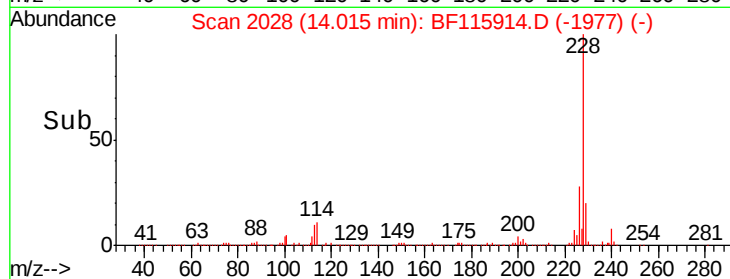
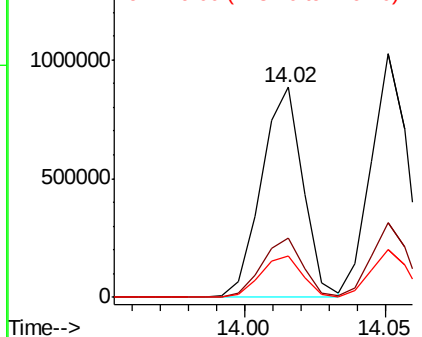


Abundance

Ion 228.00 (227.70 to 228.70): E

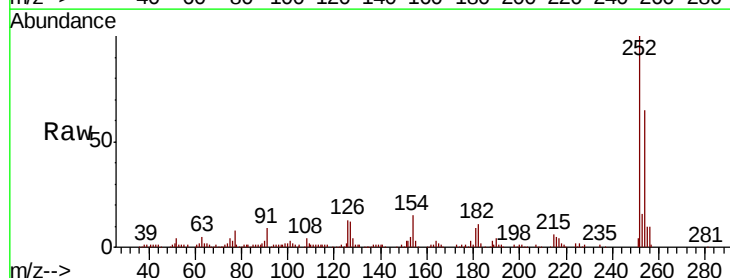
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 29.179 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.2	76.8
126	13.1	8.1	12.1

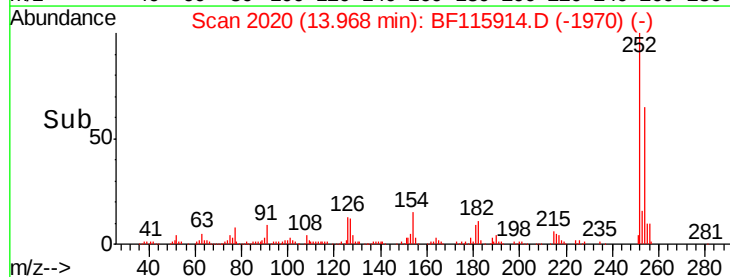
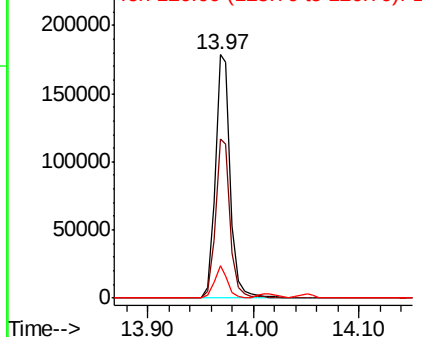


Abundance

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





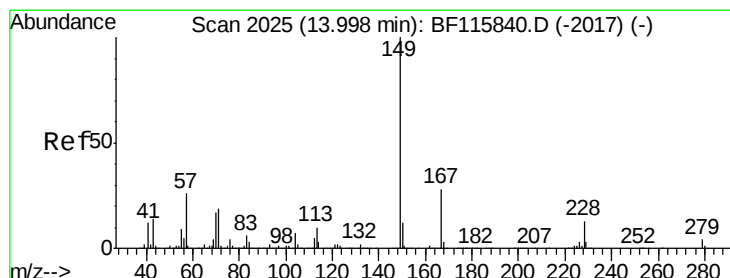
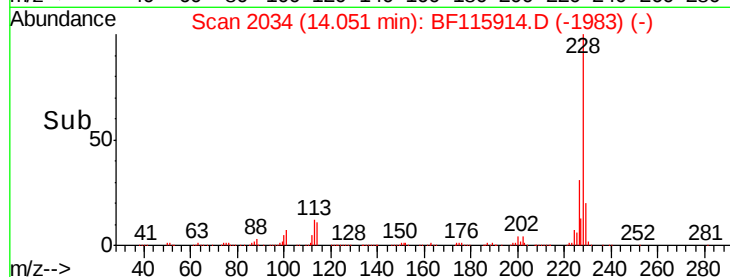
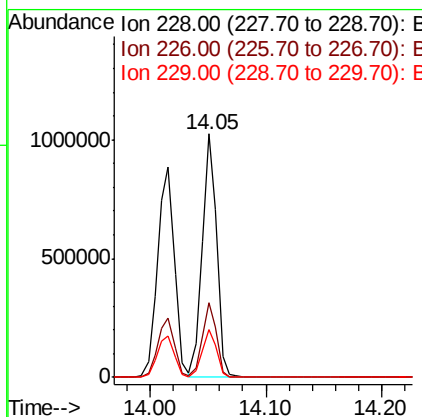
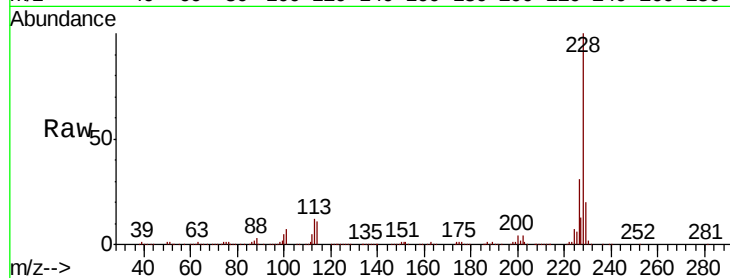
#83
 Chrvsene
 Concen: 52.325 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	19.7	16.4	24.6

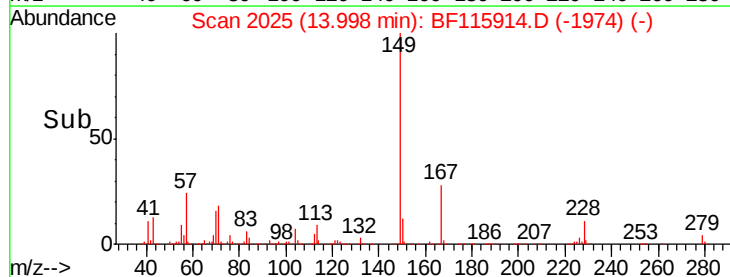
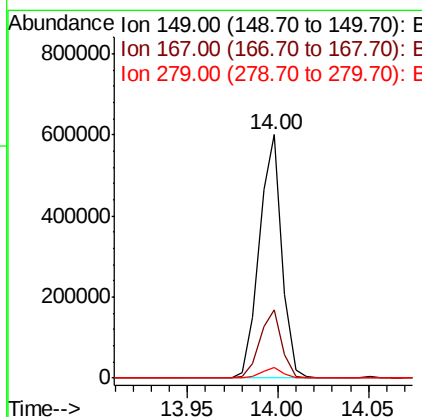
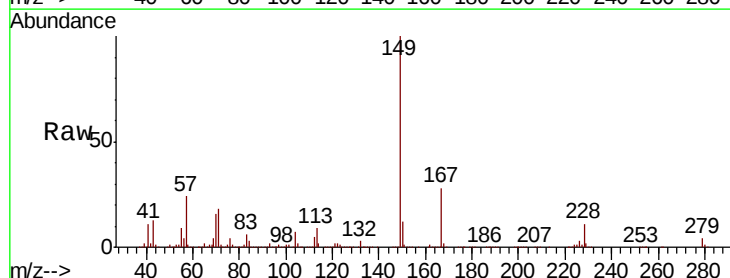
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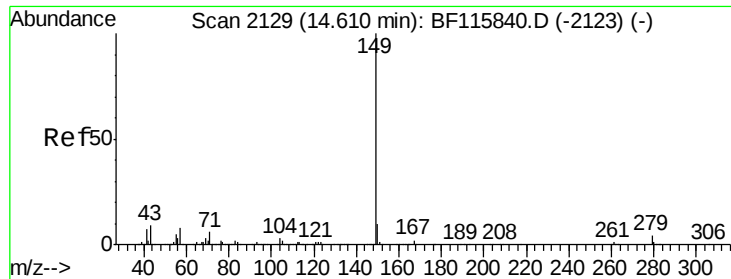
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.705 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115914.D
 Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	4.2	3.3	4.9





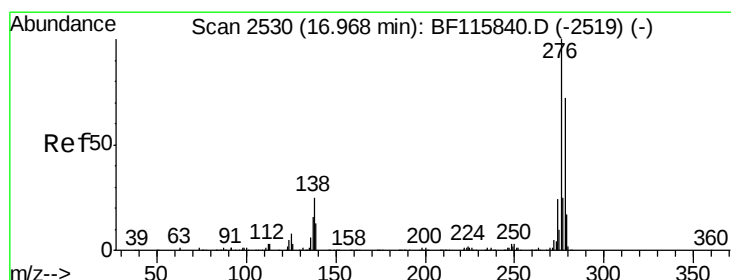
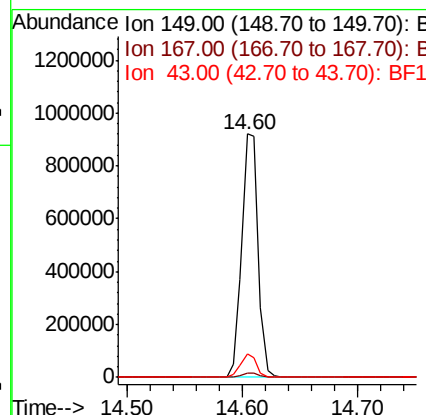
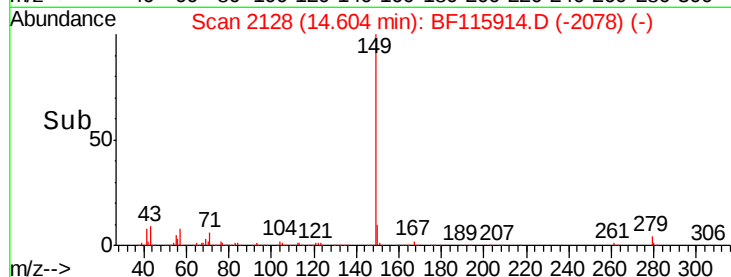
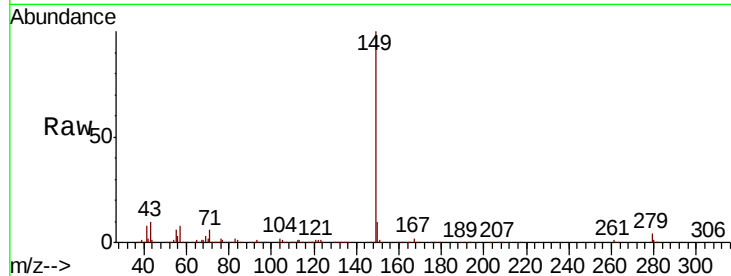
#85
Di-n-octyl phthalate
Concen: 49.350 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	7.4	11.0

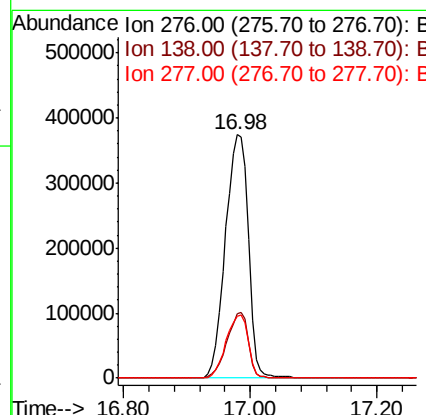
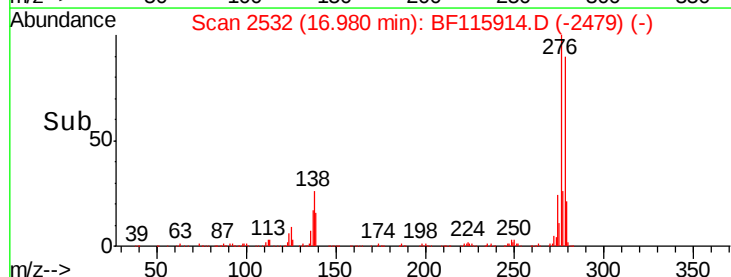
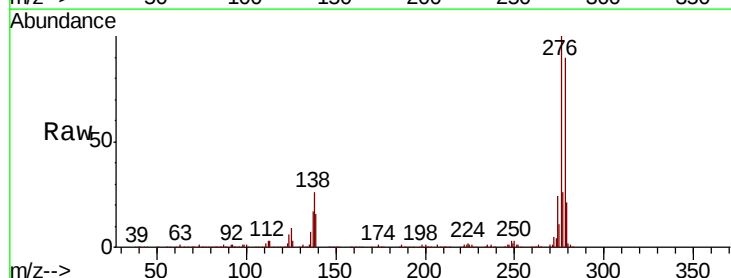
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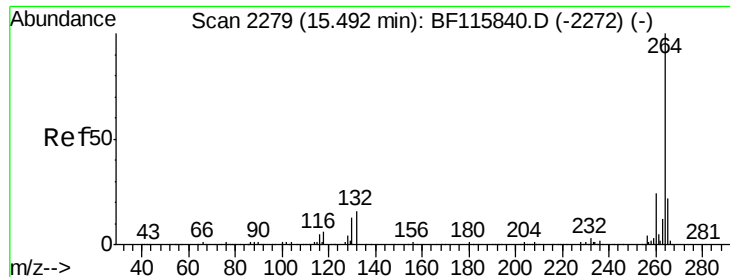
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 64.596 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.1	19.6	29.4
277	25.2	20.1	30.1





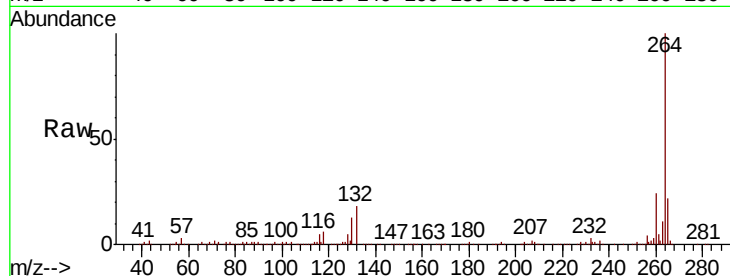
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.5	26.3

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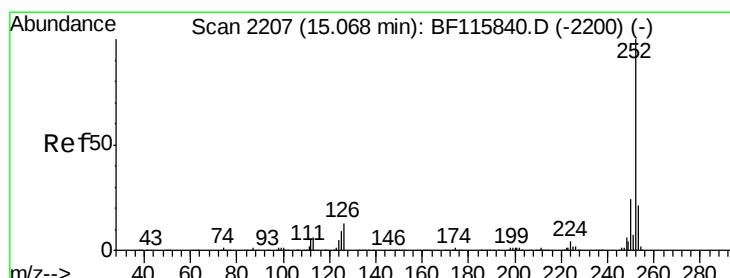
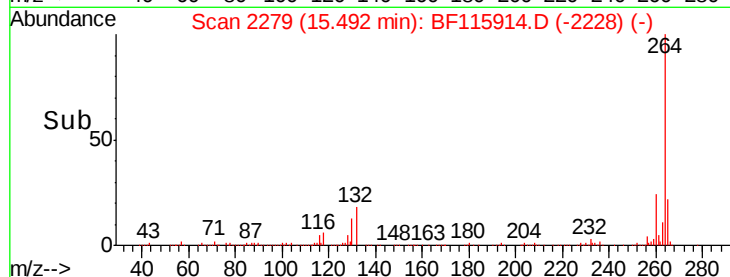
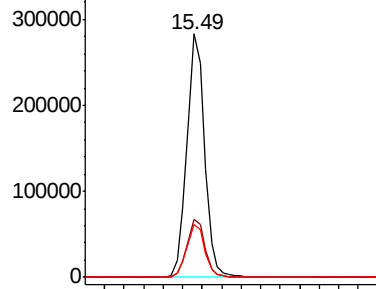


Abundance

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: 47.635 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

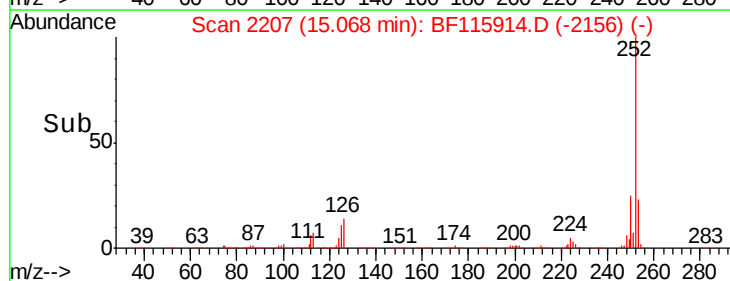
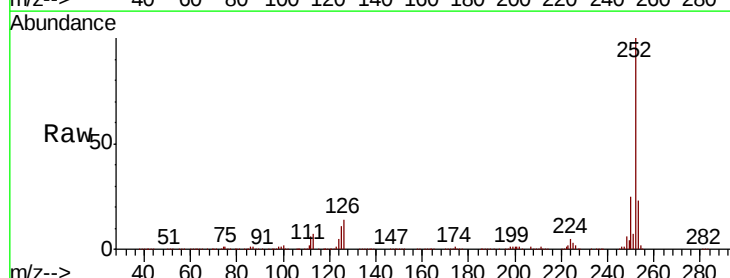
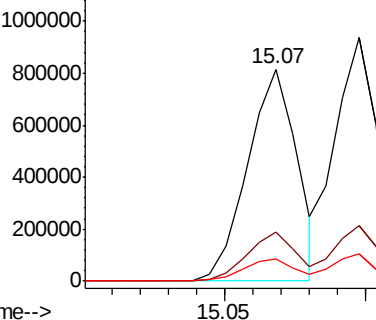
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	10.7	7.4	11.0

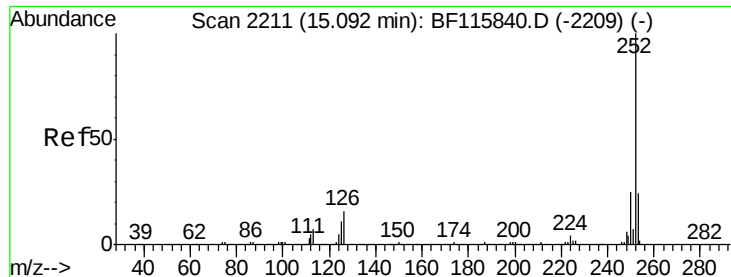
Abundance

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





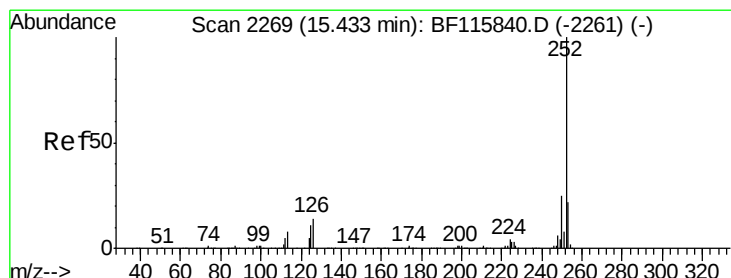
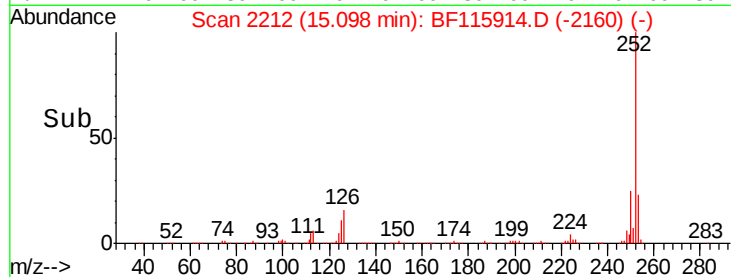
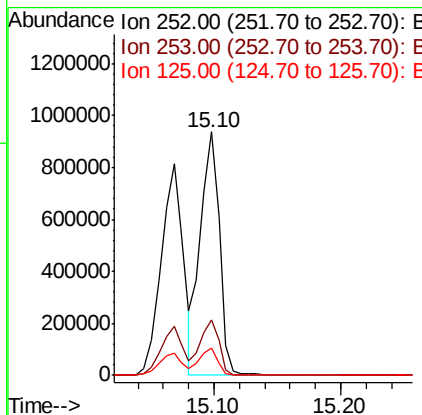
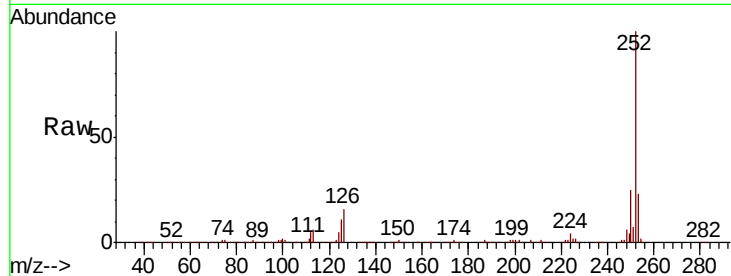
#89
Benzo(k)fluoranthene
Concen: 48.311 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.1	8.9	13.3

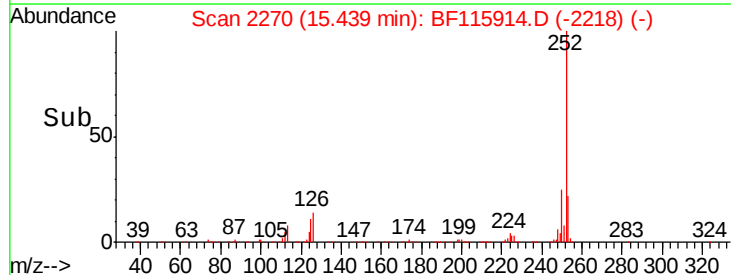
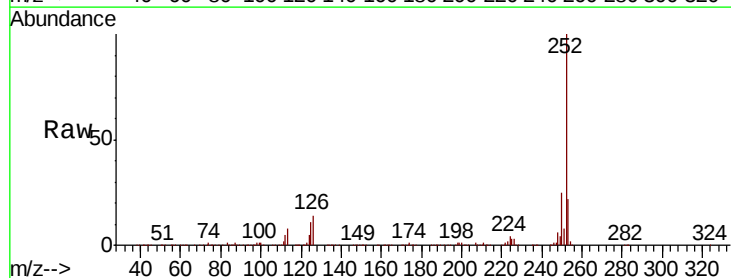
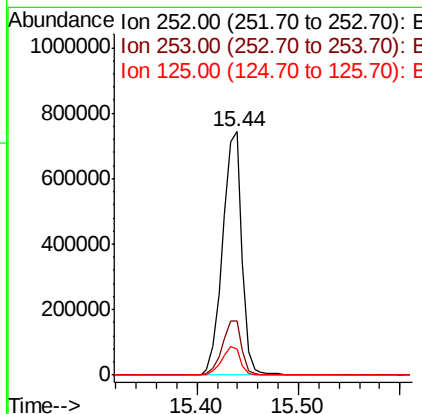
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#90
Benzo(a)pyrene
Concen: 52.529 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.6	8.8	13.2





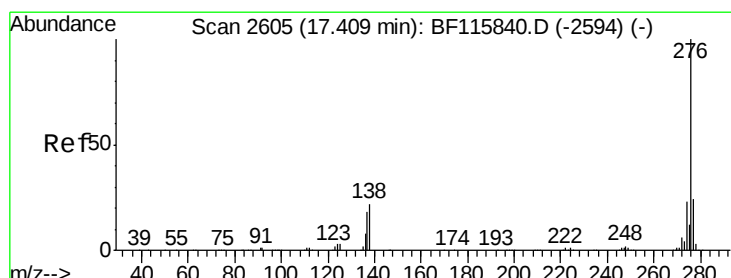
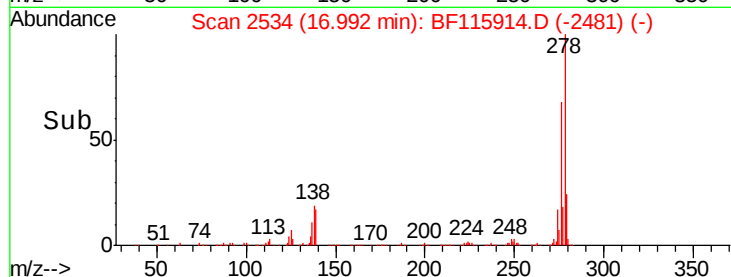
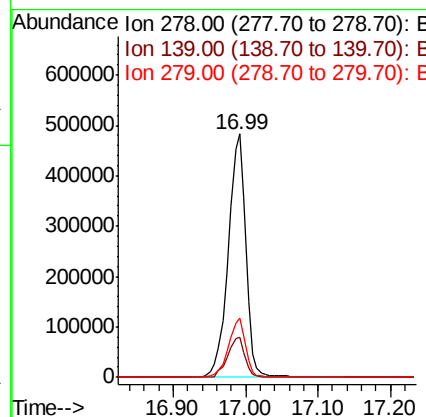
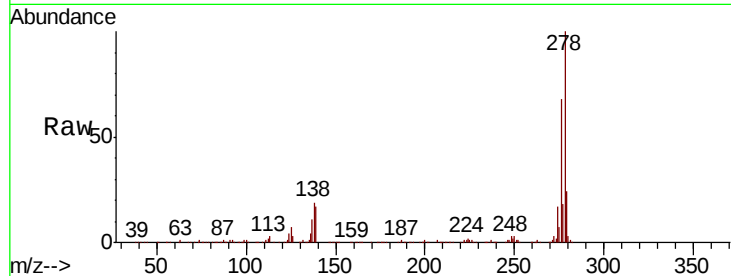
#91
Dibenzo(a,h)anthracene
Concen: 50.701 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Instrument :
BNA_F
ClientSampleId :
HD-01-073019MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.6	19.0
279	24.4	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 45.602 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF115914.D
Acq: 1 Aug 2019 18:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	21.8	17.8	26.8

