

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
 Data File : BF121313.D
 Acq On : 17 Aug 2020 16:49
 Operator : JU/CG
 Sample : L3500-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081420

Quant Time: Aug 17 17:23:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 10:52:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	94121	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	369379	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	192254	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	366924	20.00	ng	0.00
76) Chrysene-d12	13.86	240	264039	20.00	ng	0.00
86) Perylene-d12	15.27	264	273484	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	417021	67.17	ng	0.00
7) Phenol-d6	6.35	99	510155	63.77	ng	0.00
23) Nitrobenzene-d5	7.27	82	327516	48.46	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	154697	65.35	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	667249	48.01	ng	0.00
79) Terphenyl-d14	12.80	244	667112	49.25	ng	0.00

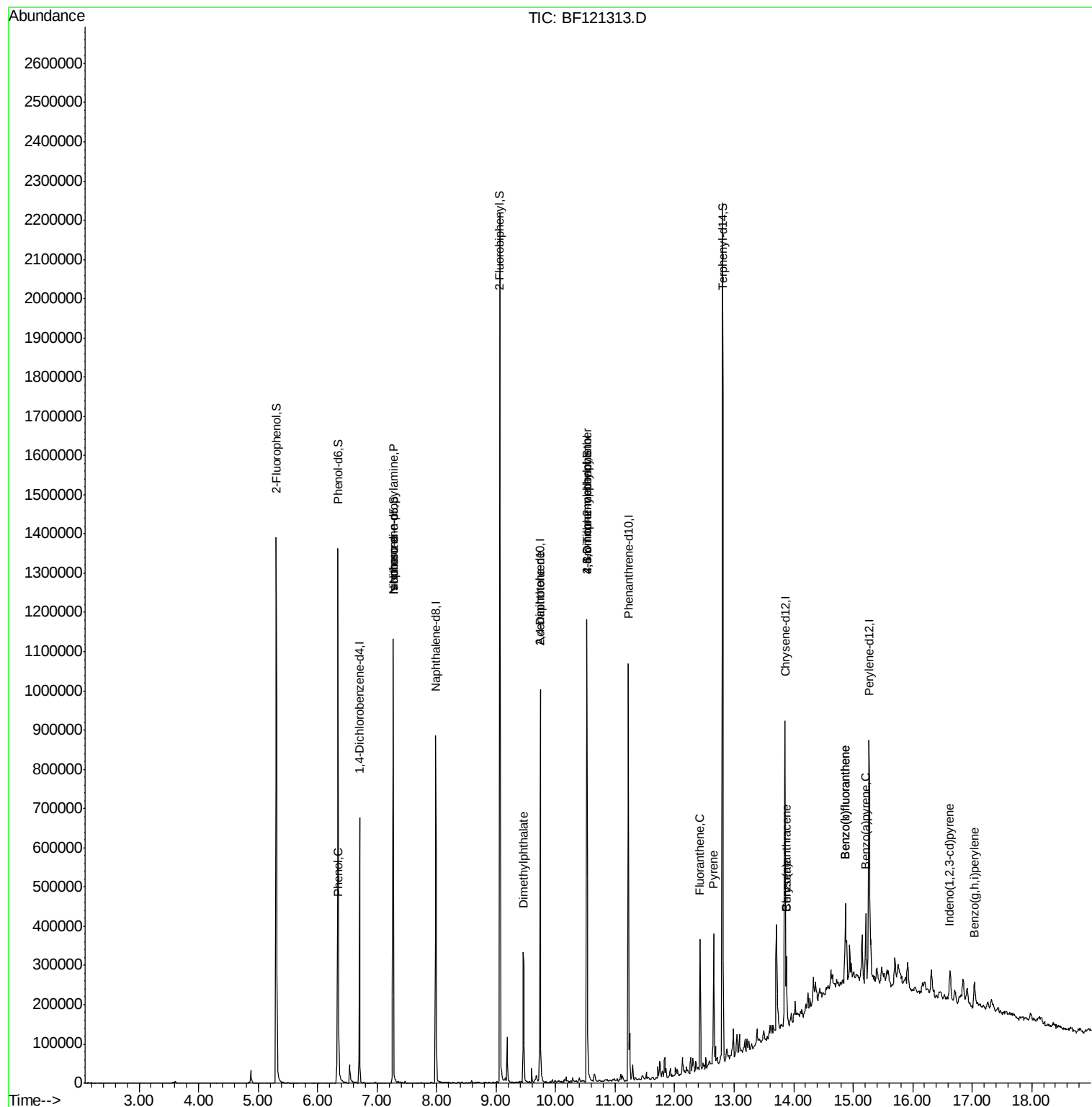
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	21968	2.531	ng	# 76
19) n-Nitroso-di-n-propylamine	7.27	70	42366	9.531	ng	# 78
25) Isophorone	7.27	82	327513	24.136	ng	# 63
50) Dimethylphthalate	9.46	163	142025	9.817	ng	99
57) 2,4-Dinitrotoluene	9.74	165	24581	5.808	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.53	198	118	5.979	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	8767	2.048	ng	# 1
75) Fluoranthene	12.43	202	136049	5.821	ng	99
78) Pyrene	12.66	202	127088	6.464	ng	99
81) Benzo(a)anthracene	13.88	228	65447	3.655	ng	95
83) Chrysene	13.88	228	65447	3.579	ng	97
87) Indeno(1,2,3-cd)pyrene	16.63	276	51828	2.549	ng	97
88) Benzo(b)fluoranthene	14.87	252	137521	7.505	ng	# 94
89) Benzo(k)fluoranthene	14.87	252	137521	8.082	ng	# 96
90) Benzo(a)pyrene	15.21	252	75775	4.582	ng	98
92) Benzo(g,h,i)perylene	17.04	276	50620	2.944	ng	96

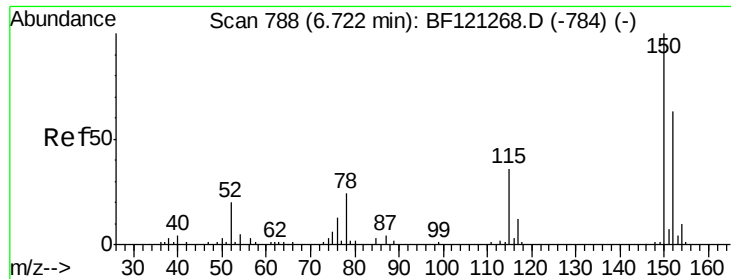
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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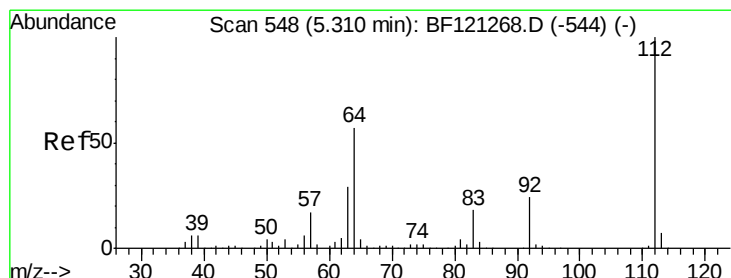
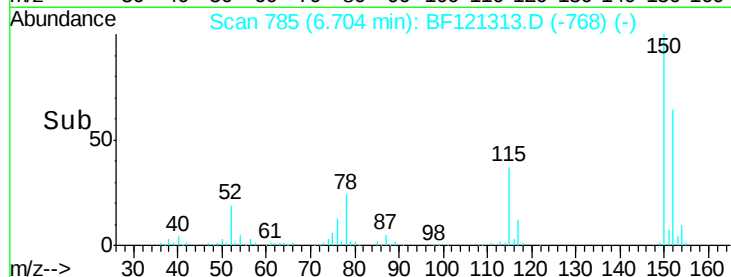
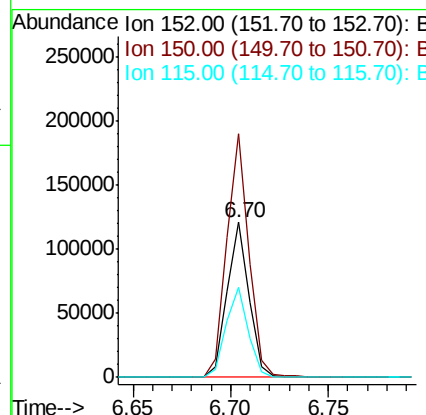
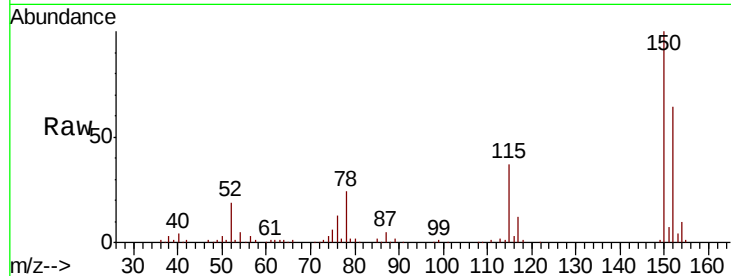


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Instrument :
BNA_F
ClientSampleId :
CL-02-081420

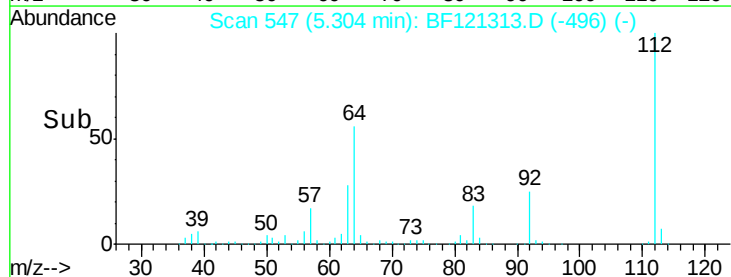
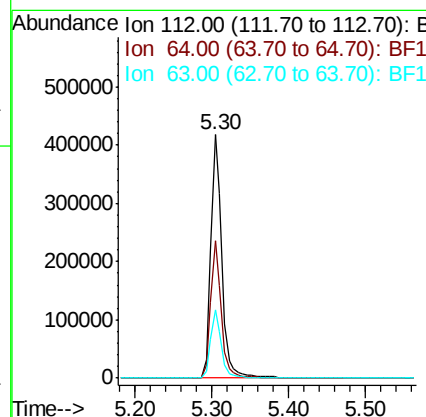
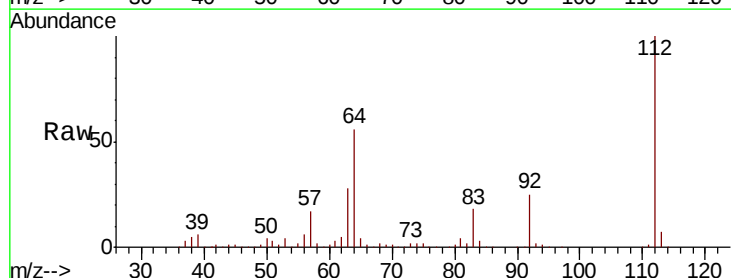
Tot Ion:152 Resp: 94121
Ion Ratio Lower Upper
152 100
150 156.8 123.9 185.9
115 57.7 47.3 70.9

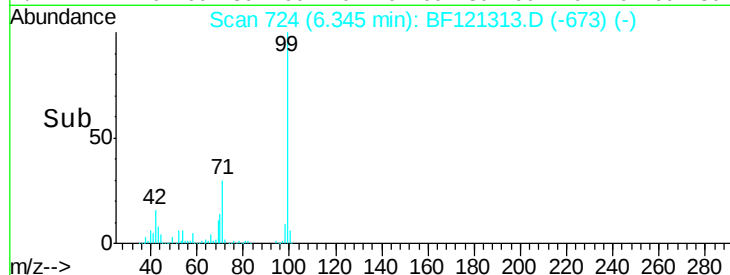
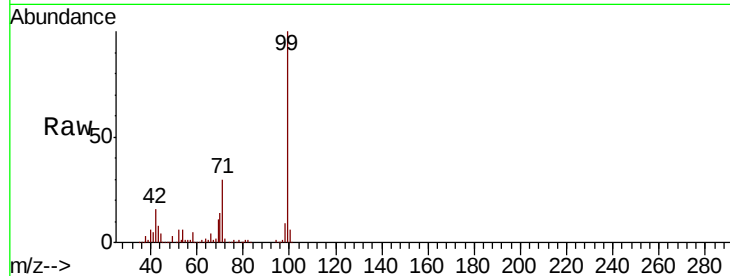
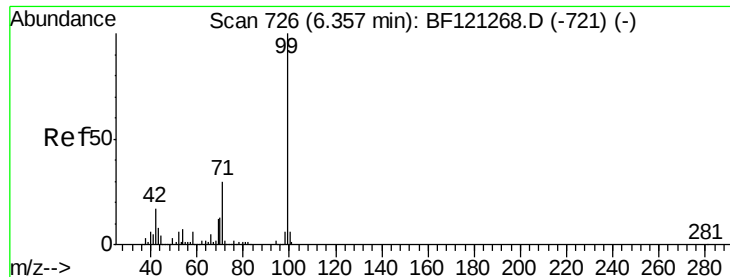


#5

2-Fluorophenol
Concen: 67.172 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt Ion:112 Resp: 417021
Ion Ratio Lower Upper
112 100
64 56.2 42.9 64.3
63 28.1 22.2 33.2





#7

Phenol-d6

Concen: 63.768 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

Instrument :

BNA_F

ClientSampleId :

CL-02-081420

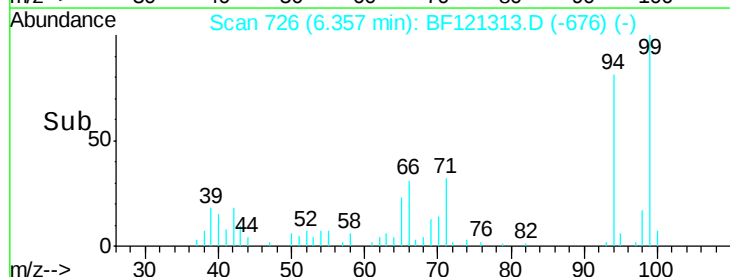
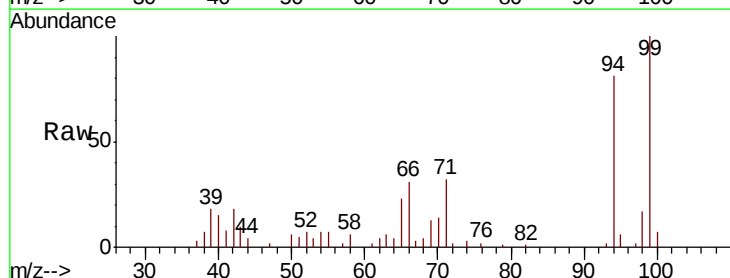
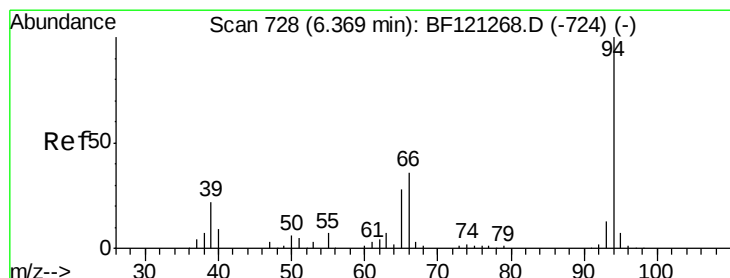
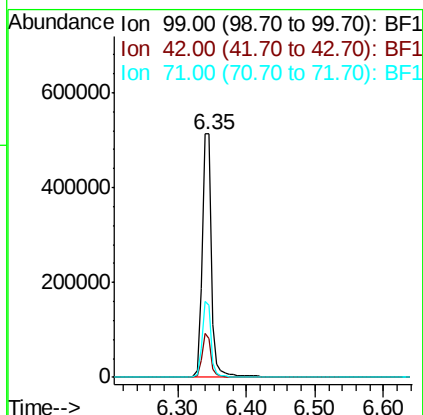
Tot Ion: 99 Resp: 510155

Ion Ratio Lower Upper

99 100

42 16.1 13.8 20.8

71 29.8 24.8 37.2



#10

Phenol

Concen: 2.531 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

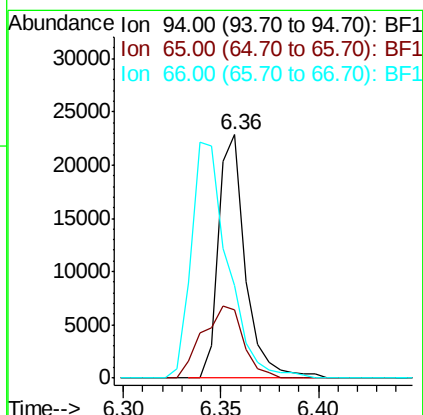
Tgt Ion: 94 Resp: 21968

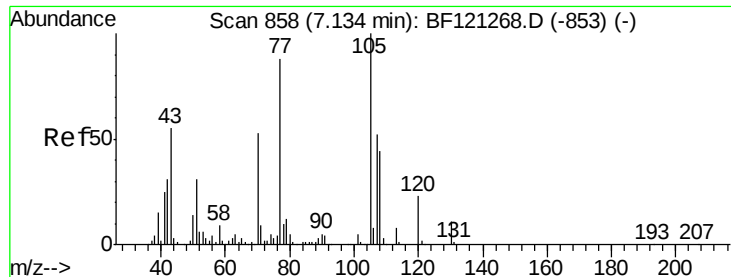
Ion Ratio Lower Upper

94 100

65 28.3 19.2 59.2

66 37.9 39.6 79.6#

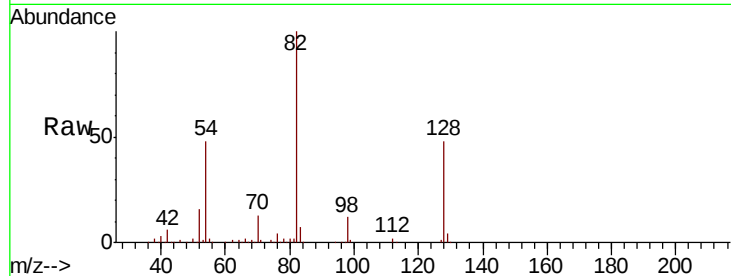




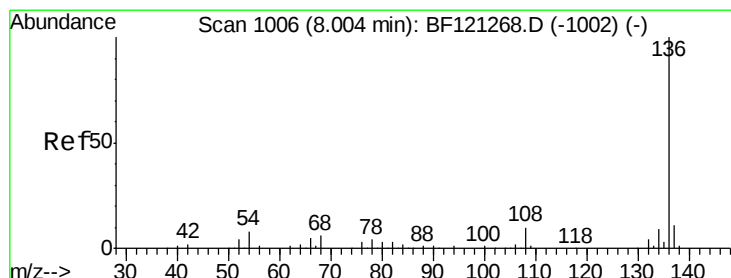
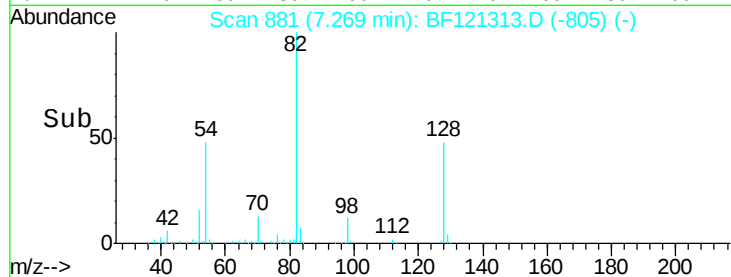
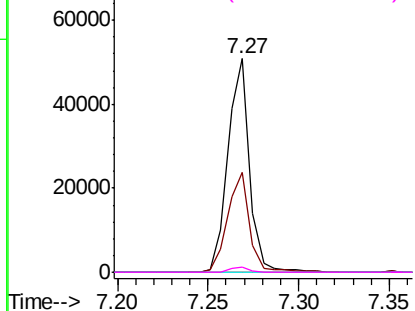
#19
n-Nitroso-di-n-propylamine
Concen: 9.531 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.15 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Instrument :
BNA_F
ClientSampleId :
CL-02-081420

Tot Ion: 70 Resp: 42366
Ion Ratio Lower Upper
70 100
42 47.0 47.0 70.6#
101 0.0 7.6 11.4#
130 2.5 16.9 25.3#

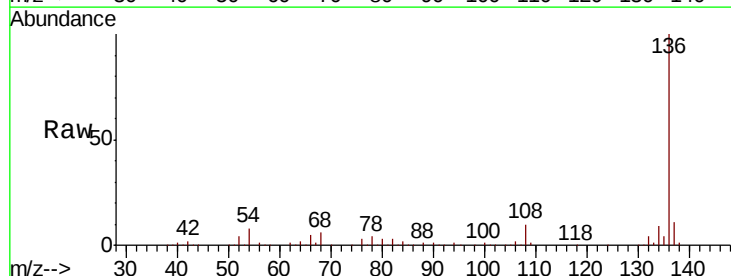


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

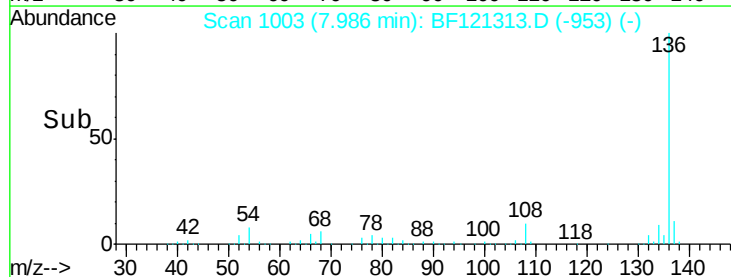
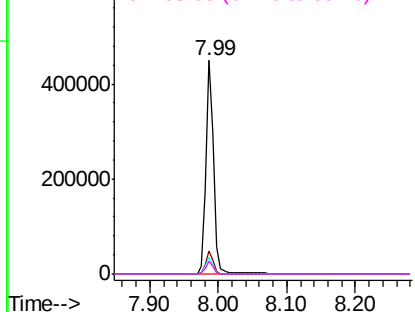


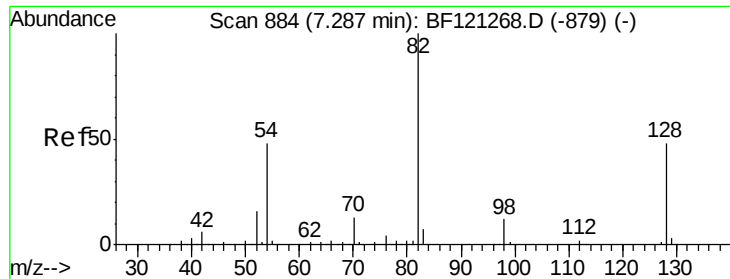
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt Ion: 136 Resp: 369379
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.6 5.4 8.2
68 5.8 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

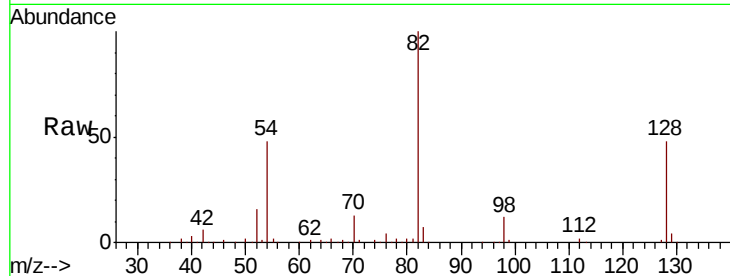




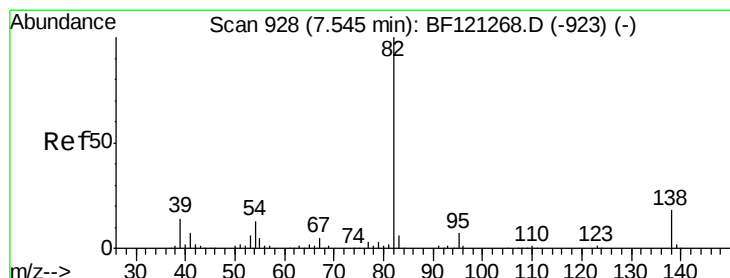
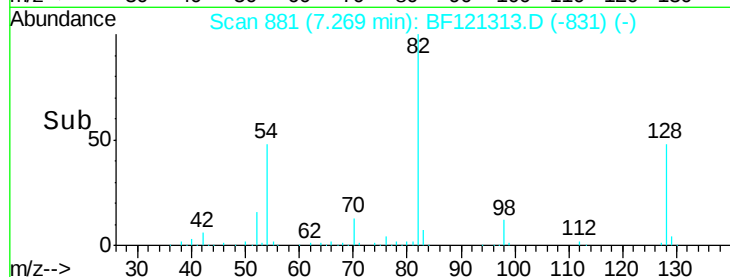
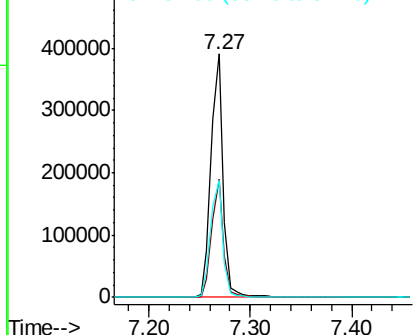
#23
 Nitrobenzene-d5
 Concen: 48.459 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081420

Tot Ion	82	Resp	327516
Ion Ratio	Lower	Upper	
82	100		
128	48.5	38.2	57.2
54	47.8	38.2	57.4

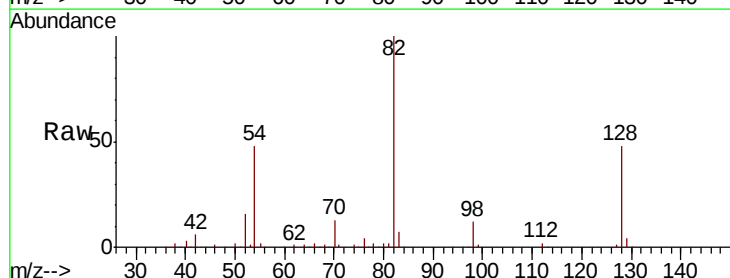


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

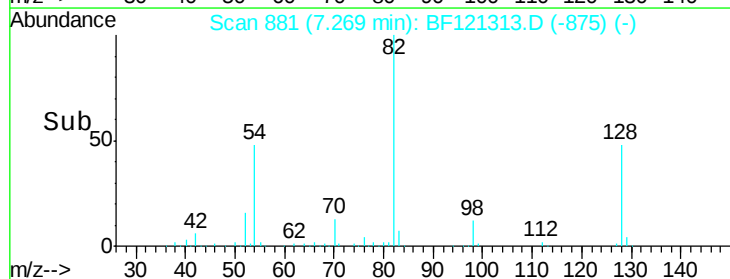
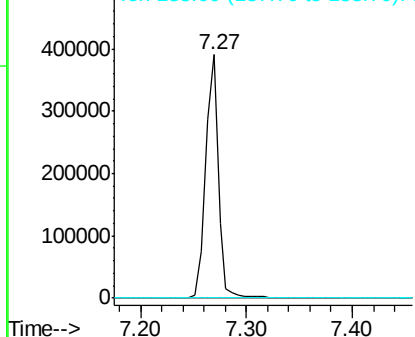


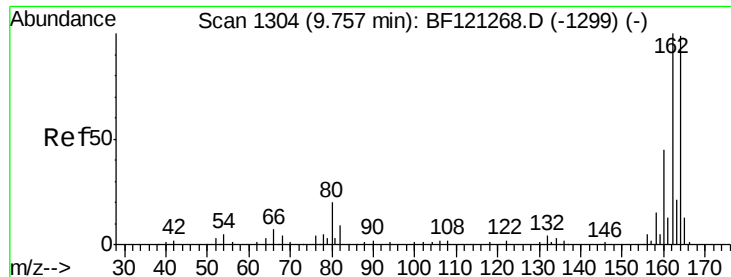
#25
 Isophorone
 Concen: 24.136 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.26 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Tgt Ion	82	Resp	327513
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	15.6	23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

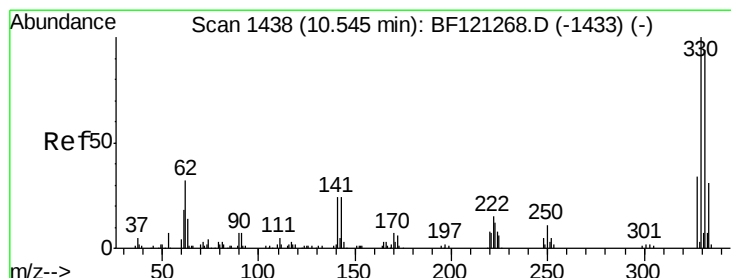
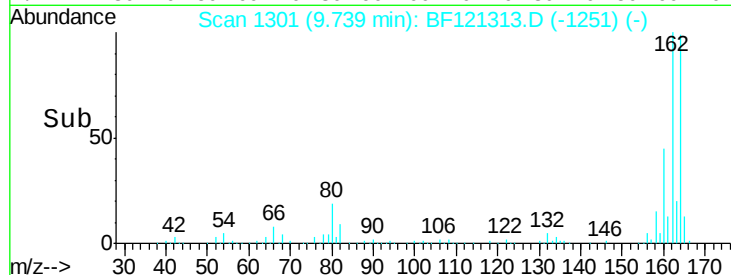
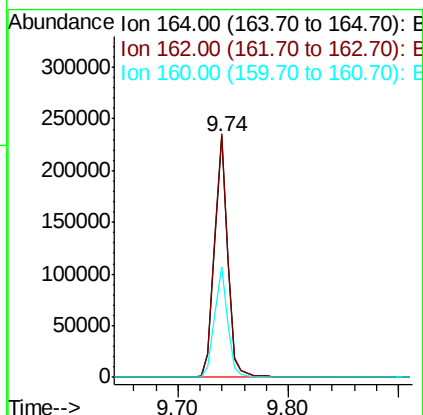
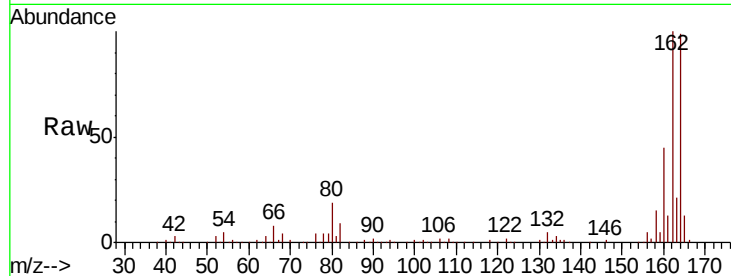




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

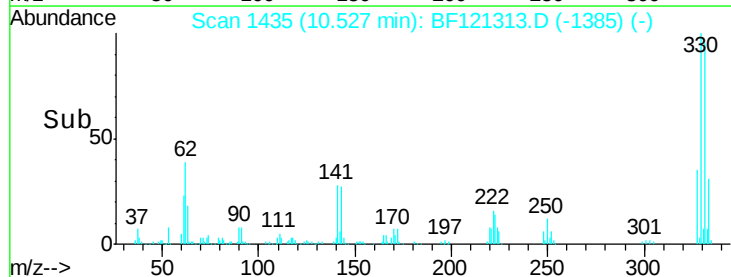
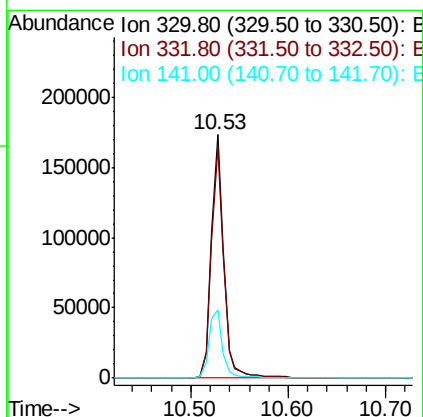
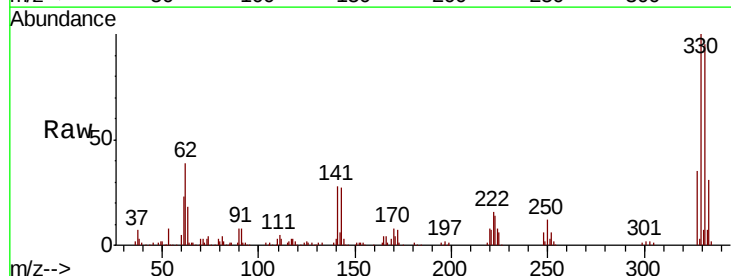
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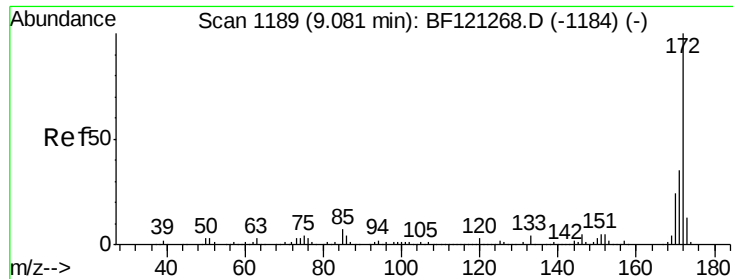
Tot Ion:164 Resp: 192254
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.2 120.2
 160 46.0 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 65.355 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Tgt Ion:330 Resp: 154697
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.4 116.0
 141 30.5 24.2 36.4

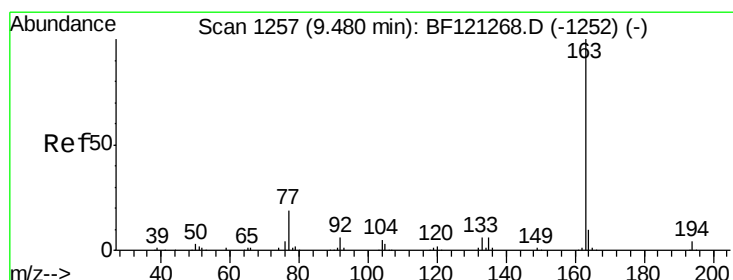
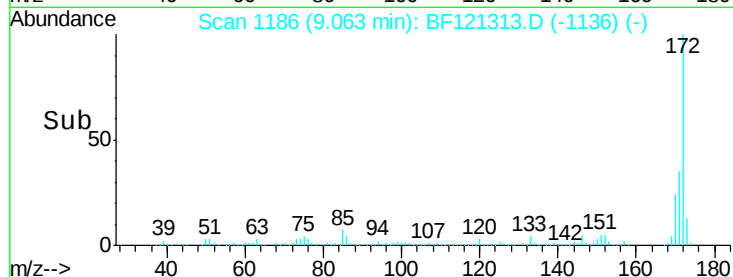
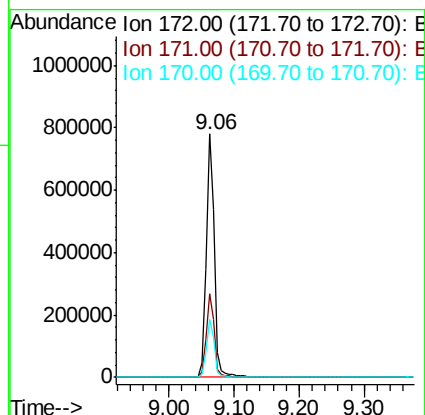
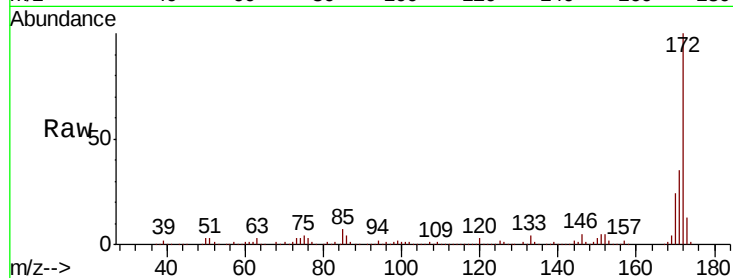




#45
 2-Fluorobiphenyl
 Concen: 48.009 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

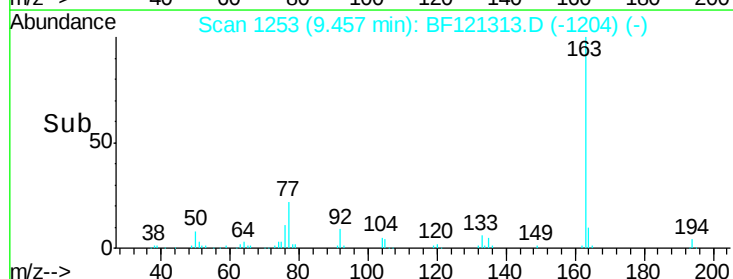
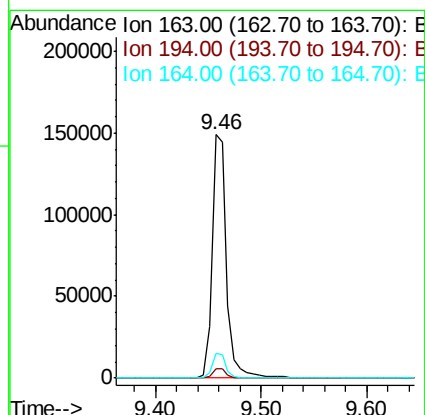
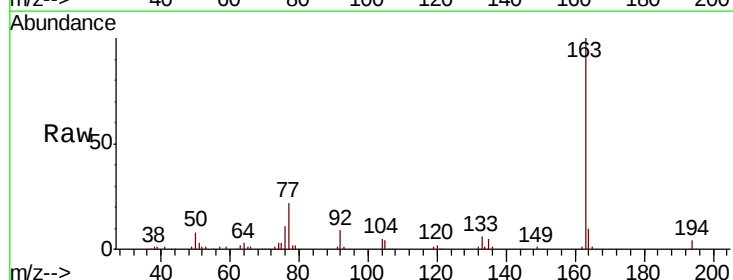
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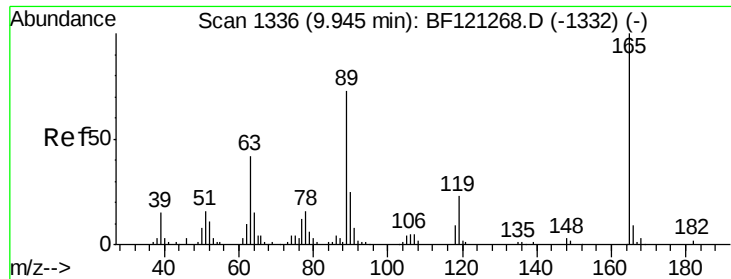
Tot Ion:172 Resp: 667249
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.8 43.2
 170 23.6 19.3 28.9



#50
 Dimethylphthalate
 Concen: 9.817 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Tgt Ion:163 Resp: 142025
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.9 4.3
 164 10.1 8.4 12.6

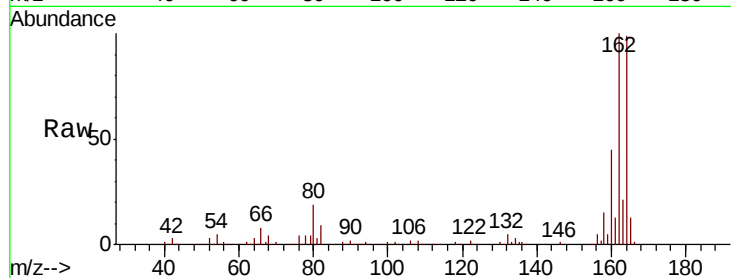




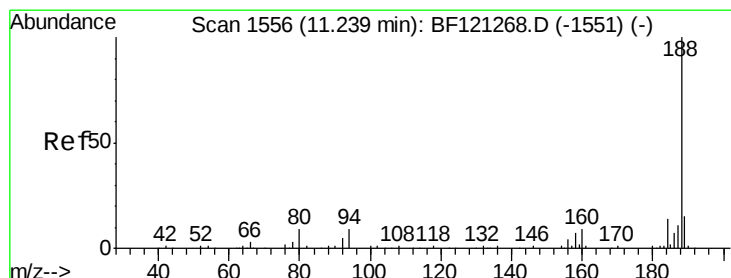
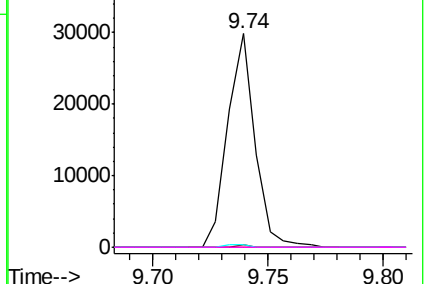
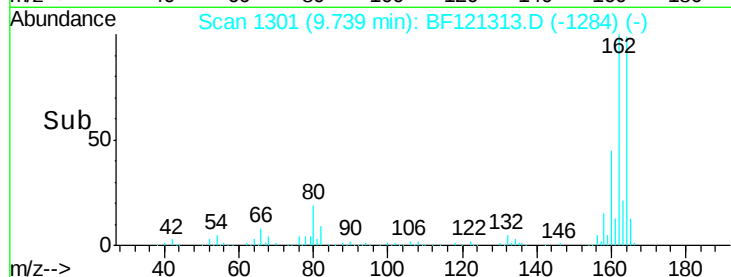
#57
 2,4-Dinitrotoluene
 Concen: 5.808 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081420

Tot Ion:165 Resp: 24581
 Ion Ratio Lower Upper
 165 100
 63 1.0 31.7 47.5#
 89 1.4 52.8 79.2#
 182 0.0 2.1 3.1#

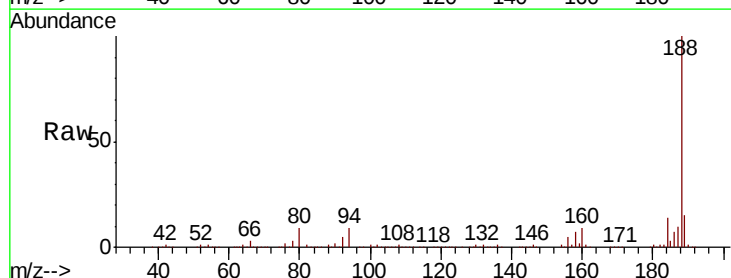


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

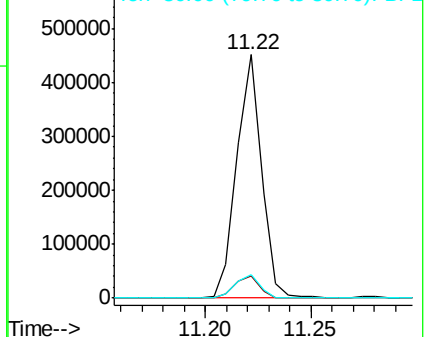
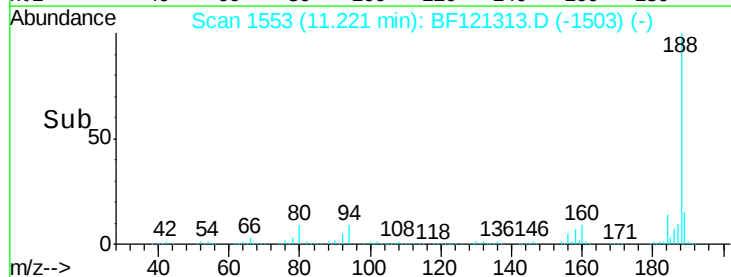


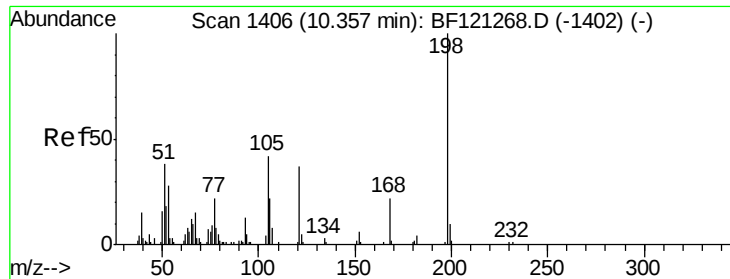
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Tgt Ion:188 Resp: 366924
 Ion Ratio Lower Upper
 188 100
 94 9.2 6.4 9.6
 80 9.5 7.0 10.4



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

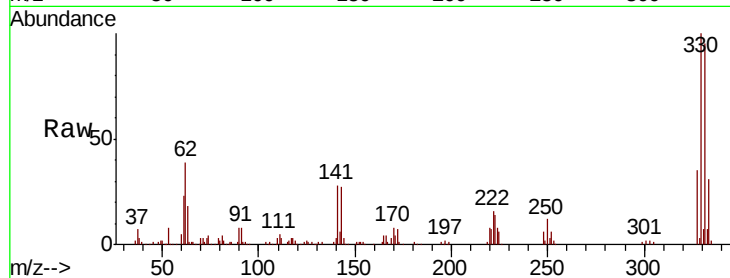




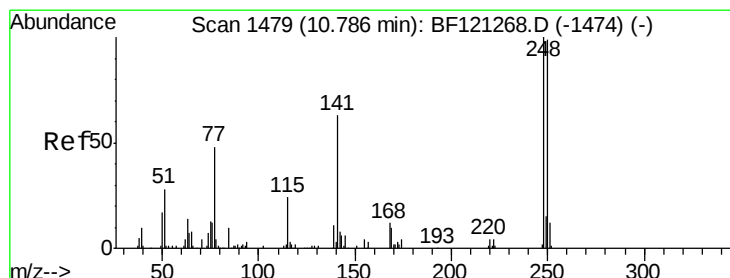
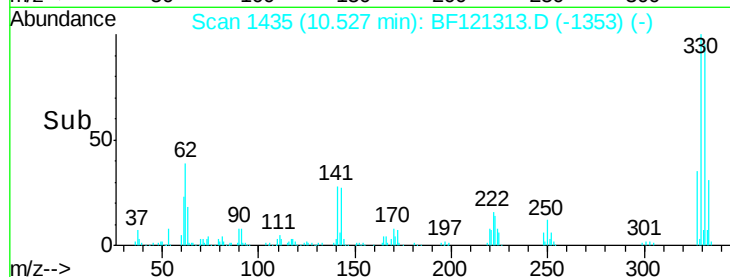
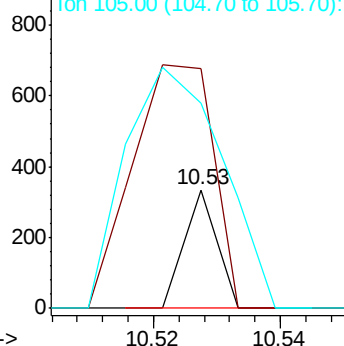
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.979 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.18 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081420

Tot Ion:198 Resp: 118
 Ion Ratio Lower Upper
 198 100
 51 202.7 29.1 69.1#
 105 172.8 28.5 68.5#

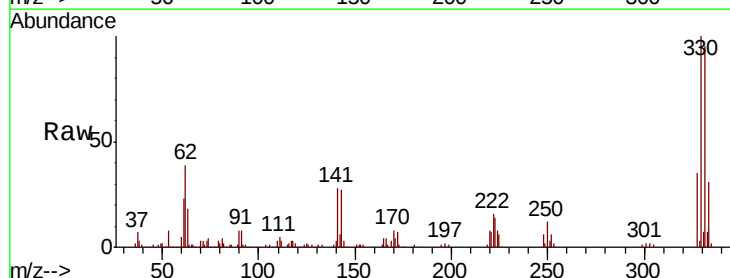


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

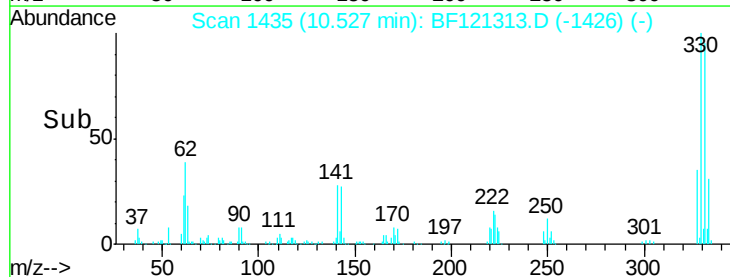
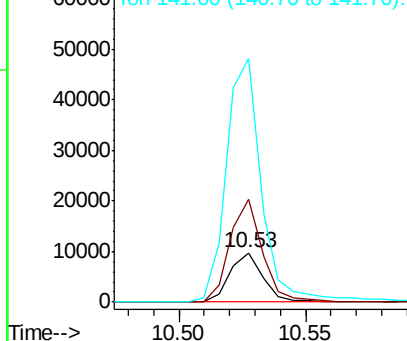


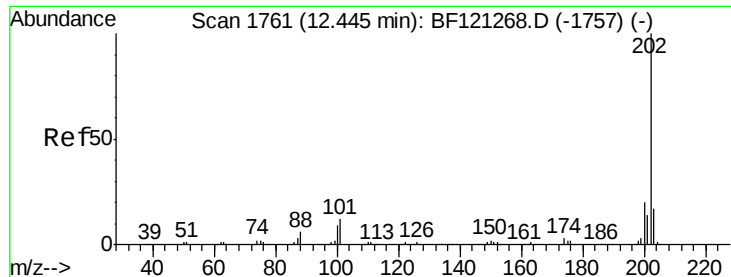
#67
 4-Bromophenyl-phenylether
 Concen: 2.048 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: BF121313.D
 Acq: 17 Aug 2020 16:49

Tgt Ion:248 Resp: 8767
 Ion Ratio Lower Upper
 248 100
 250 208.6 77.4 116.0#
 141 491.7 48.9 73.3#



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





#75

Fluoranthene

Concen: 5.821 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

Instrument :

BNA_F

ClientSampleId :

CL-02-081420

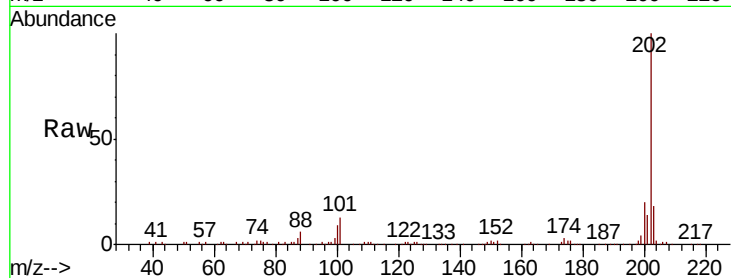
Tot Ion:202 Resp: 136049

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.2

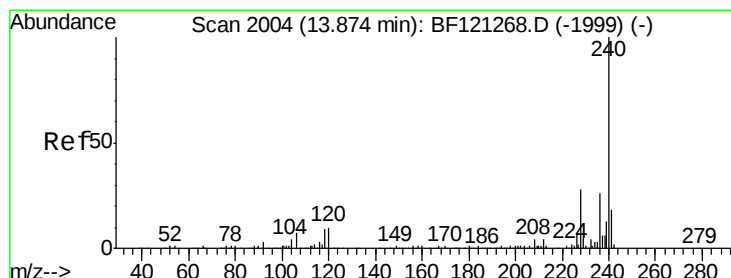
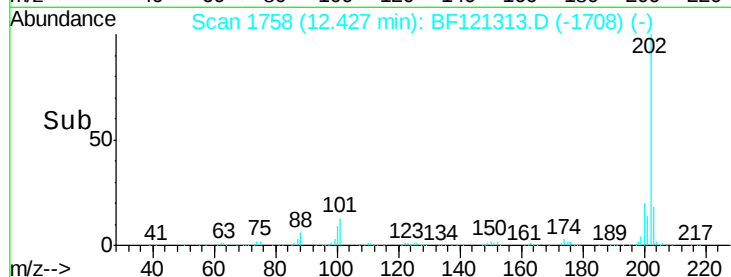
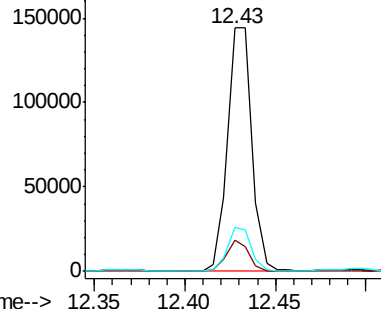
203 17.9 0.0 38.2



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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

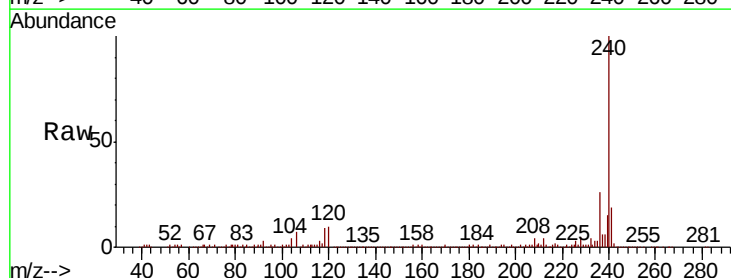
Tgt Ion:240 Resp: 264039

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

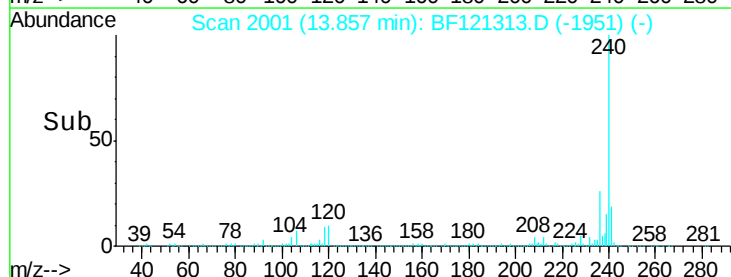
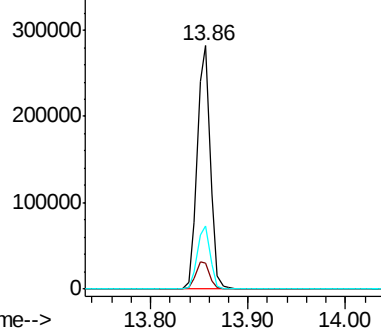
236 26.2 21.2 31.8

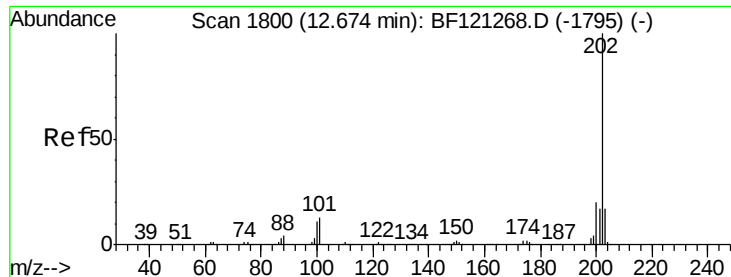


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

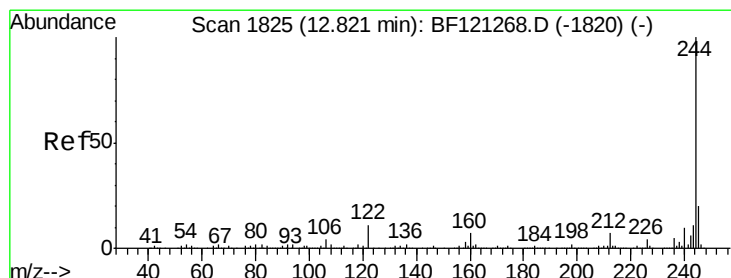
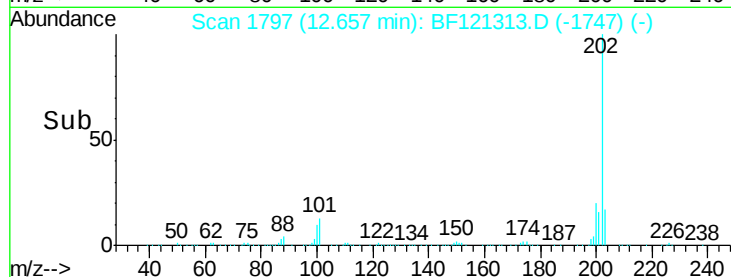
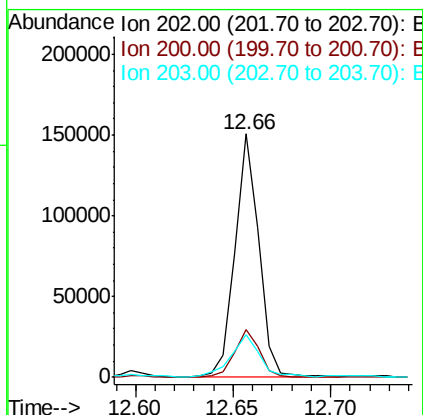
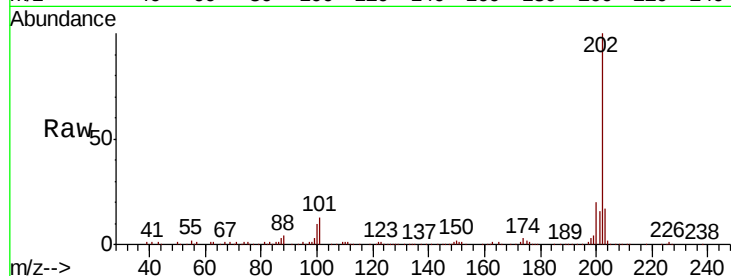




#78
Pvrene
Concen: 6.464 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

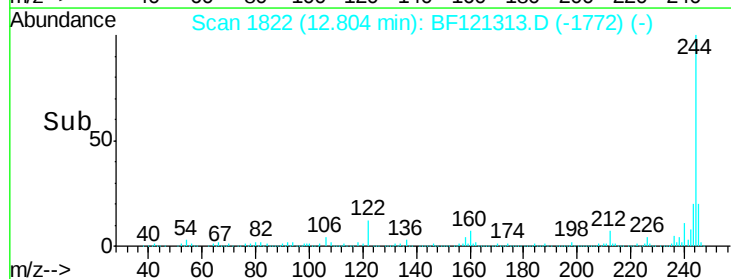
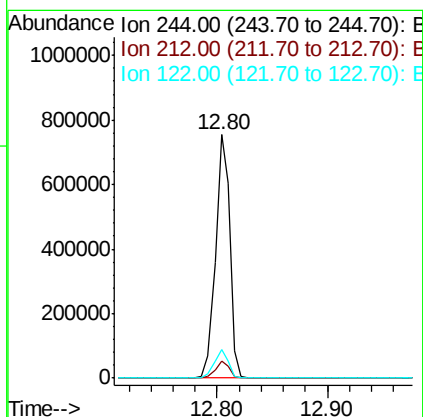
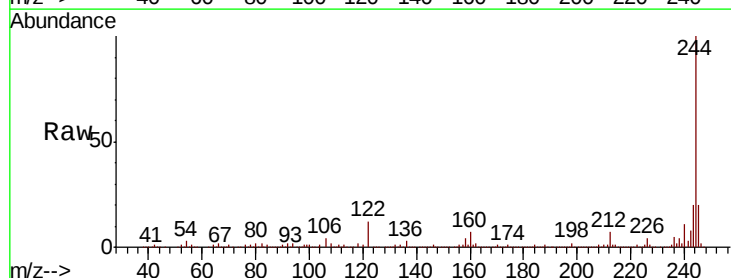
Instrument :
BNA_F
ClientSampleId :
CL-02-081420

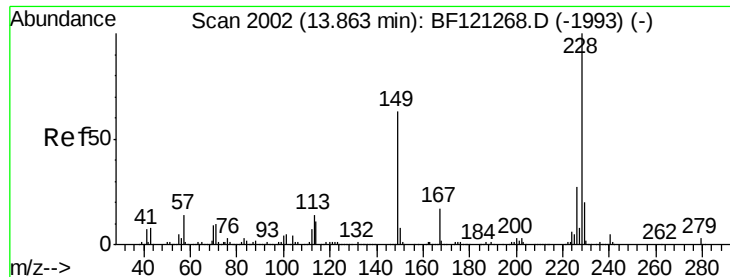
Tot Ion:202 Resp: 127088
Ion Ratio Lower Upper
202 100
200 19.6 16.4 24.6
203 17.4 14.2 21.4



#79
Terphenyl-d14
Concen: 49.252 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt Ion:244 Resp: 667112
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.8 9.0 13.6





#81

Benzo(a)anthracene

Concen: 3.655 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.03 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

Instrument :

BNA_F

ClientSampleId :

CL-02-081420

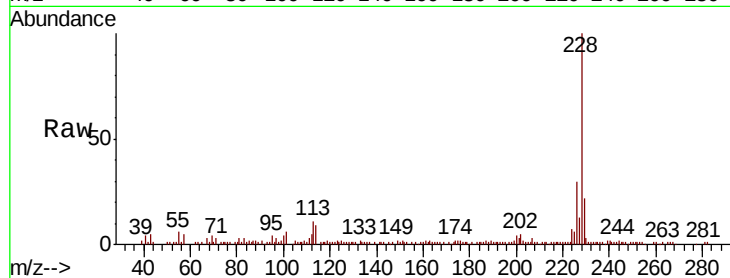
Tot Ion:228 Resp: 65447

Ion Ratio Lower Upper

228 100

226 30.2 22.0 33.0

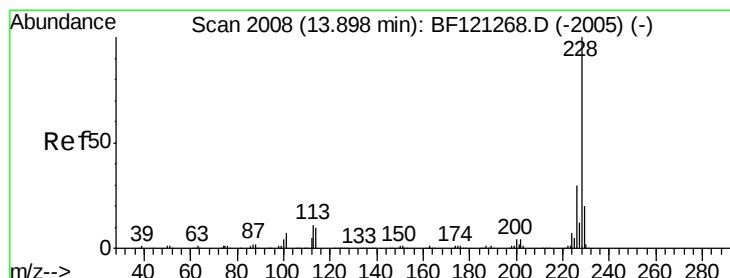
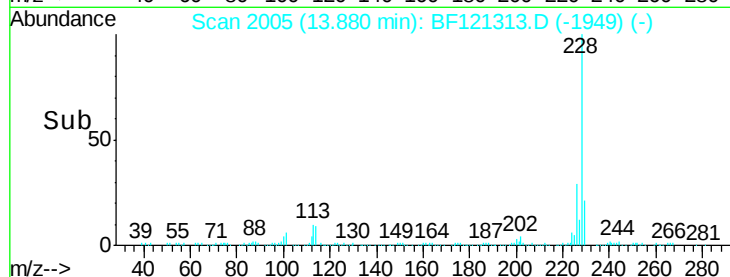
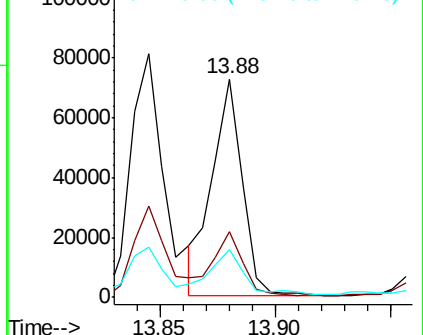
229 22.2 15.8 23.6



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



#83

Chrysene

Concen: 3.579 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF121313.D

Acq: 17 Aug 2020 16:49

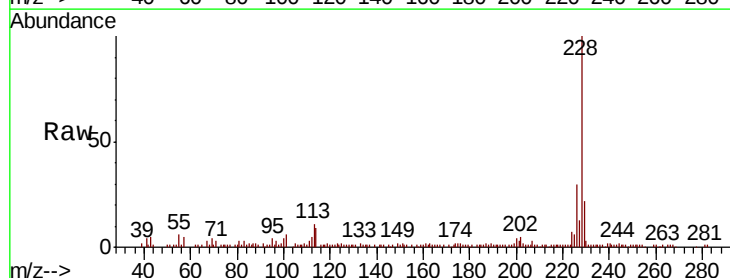
Tgt Ion:228 Resp: 65447

Ion Ratio Lower Upper

228 100

226 30.2 25.3 37.9

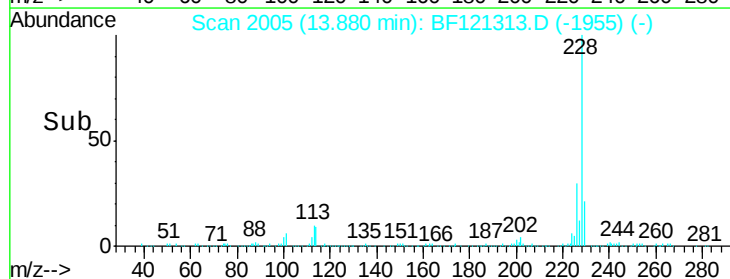
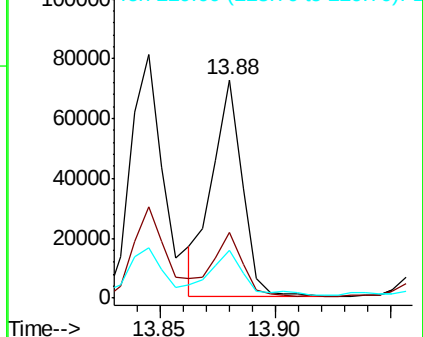
229 22.2 16.3 24.5

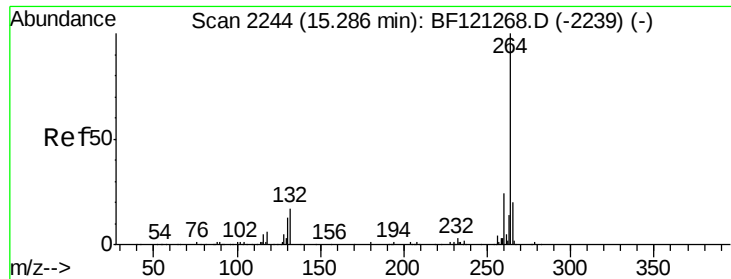


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

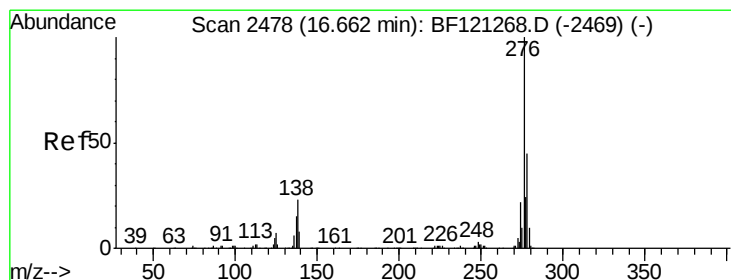
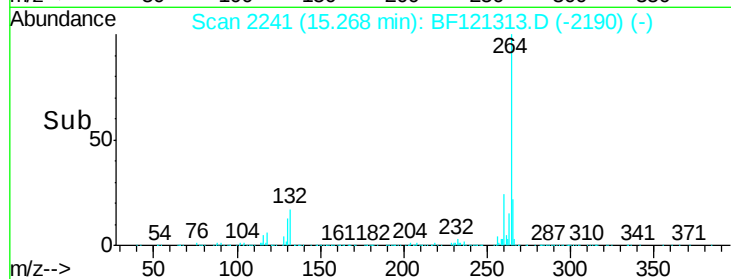
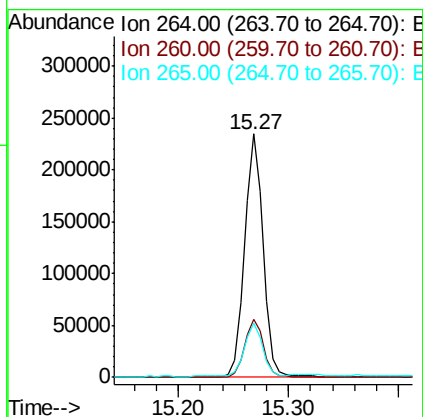
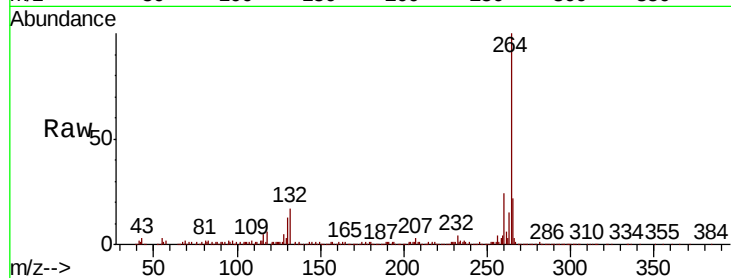




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

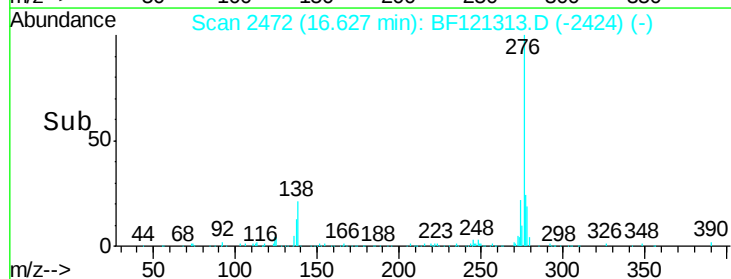
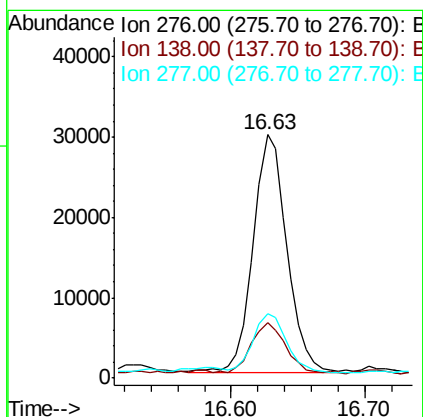
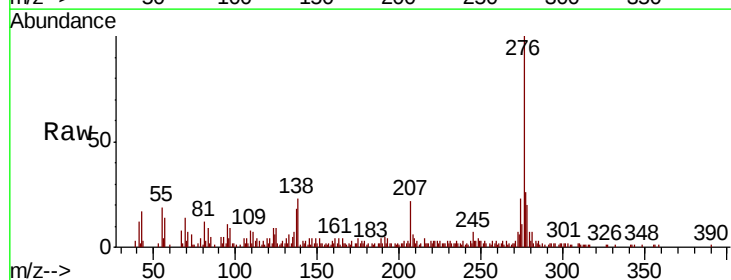
Instrument :
BNA_F
ClientSampleId :
CL-02-081420

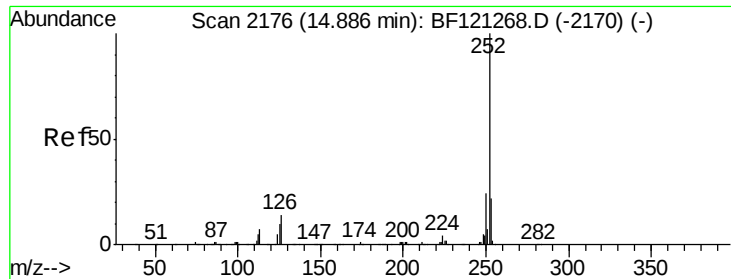
Tot	Ion:264	Resp:	273484
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.2	17.1	25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.549 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.02 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt	Ion:276	Resp:	51828
Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.6	29.4
277	24.7	20.4	30.6

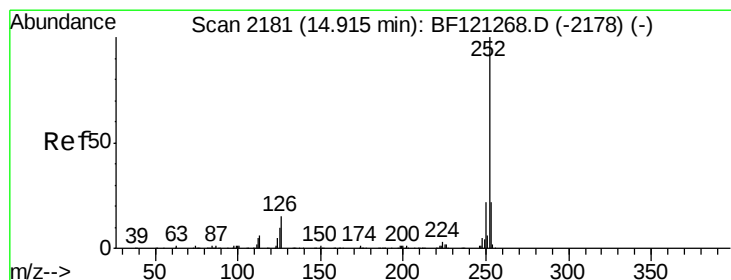
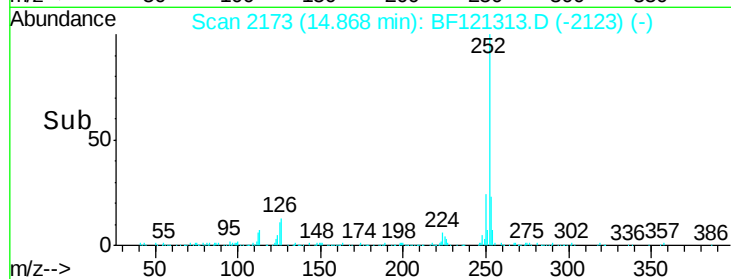
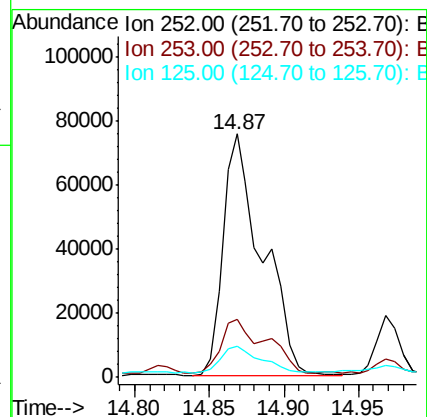
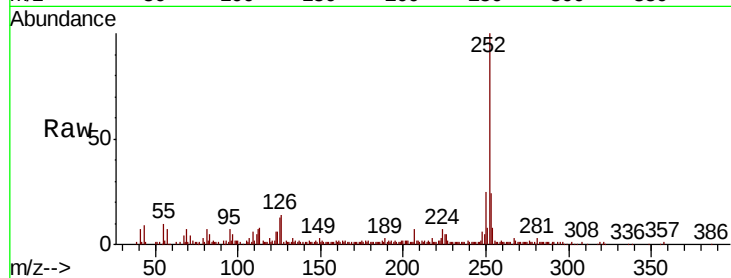




#88
Benzo(b)fluoranthene
Concen: 7.505 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

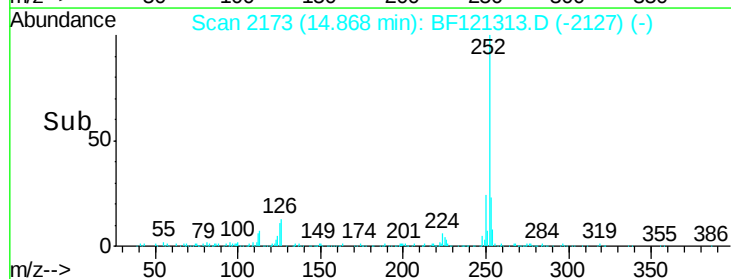
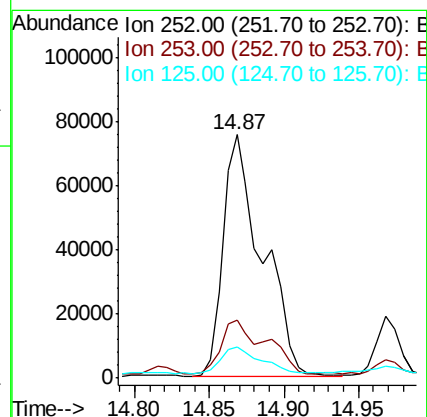
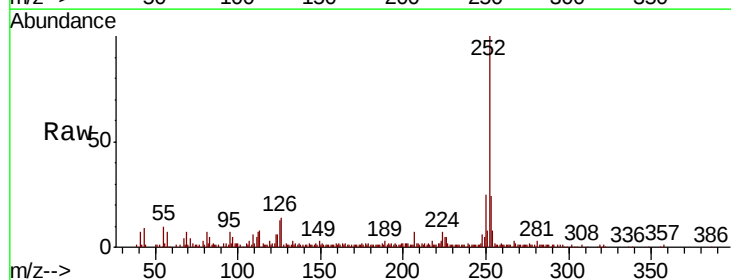
Instrument :
BNA_F
ClientSampleId :
CL-02-081420

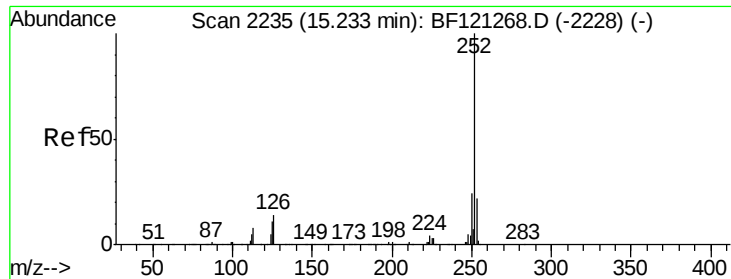
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	12.7	7.5	11.3#



#89
Benzo(k)fluoranthene
Concen: 8.082 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.7	8.2	12.4#

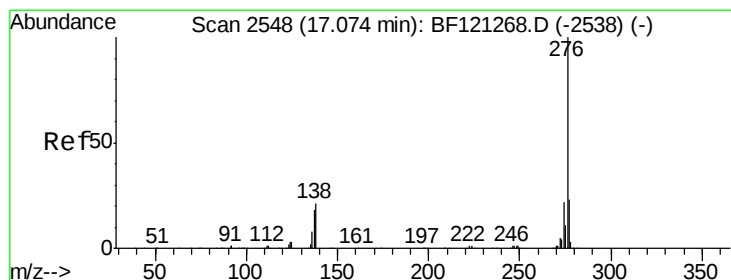
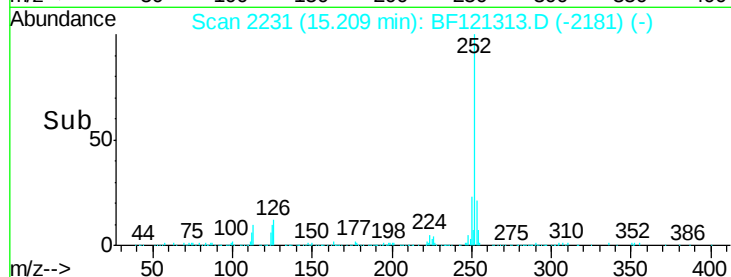
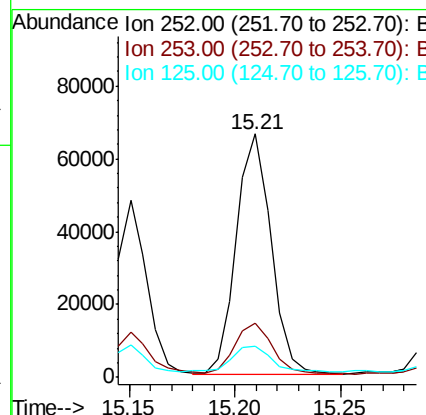
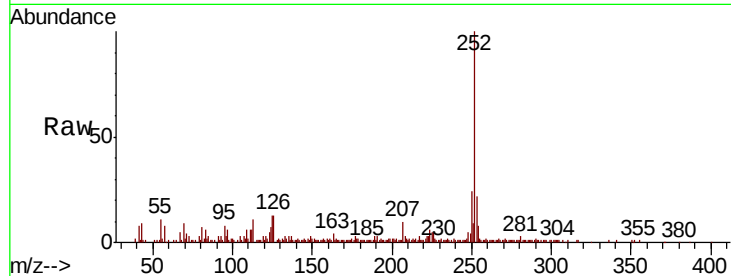




#90
Benzo(a)pyrene
Concen: 4.582 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Instrument :
BNA_F
ClientSampleId :
CL-02-081420

Tot Ion:252 Resp: 75775
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 12.9 8.7 13.1



#92
Benzo(g,h,i)perylene
Concen: 2.944 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF121313.D
Acq: 17 Aug 2020 16:49

Tgt Ion:276 Resp: 50620
Ion Ratio Lower Upper
276 100
277 25.7 19.1 28.7
138 23.1 16.6 24.8

