

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
 Data File : BF122059.D
 Acq On : 21 Oct 2020 17:13
 Operator : JU/CG
 Sample : L4467-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-15242

Quant Time: Oct 21 17:40:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

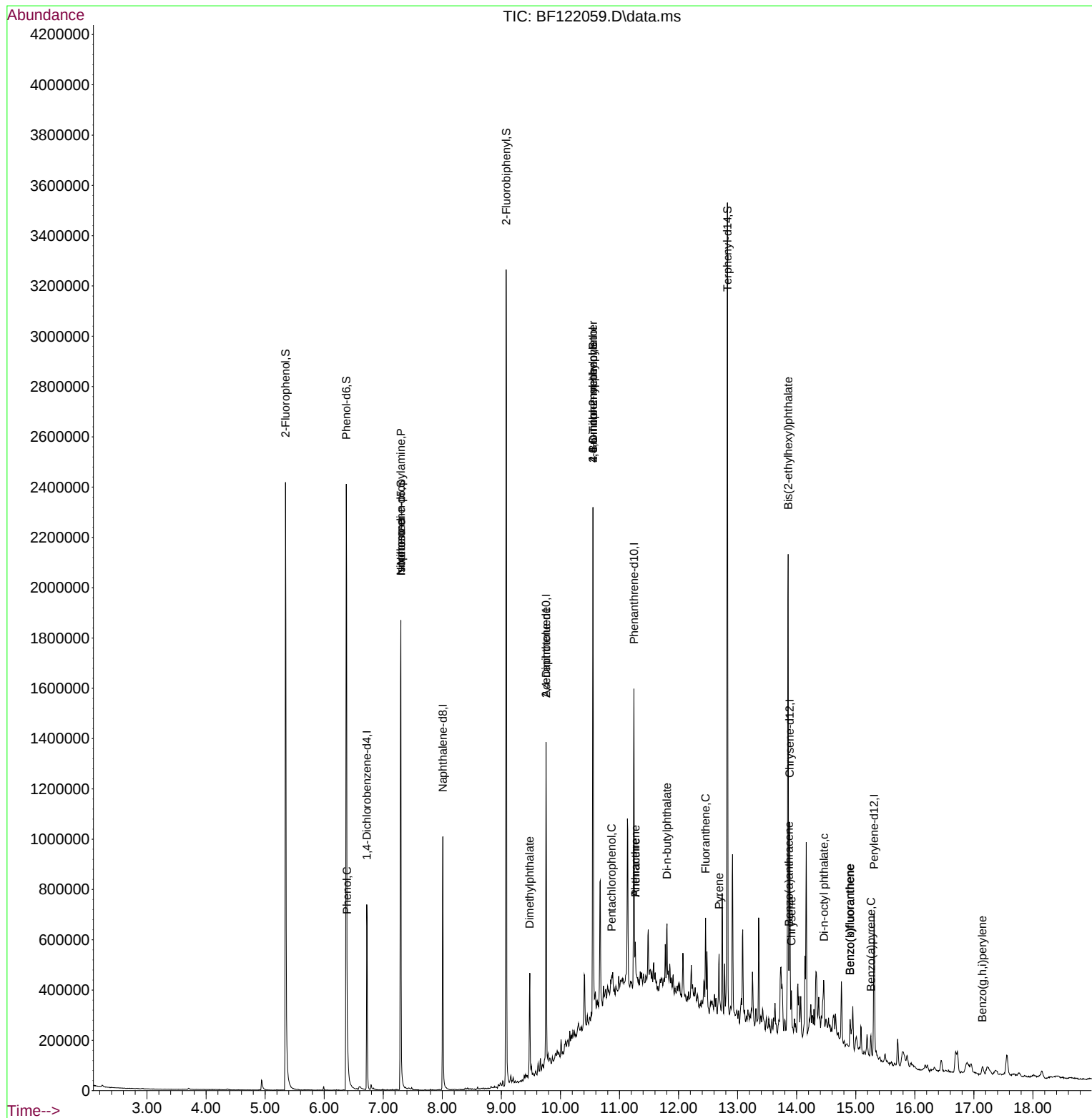
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	110516	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	439519	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	225369	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	391485	20.00	ng	0.00
76) Chrysene-d12	13.880	240	262755	20.00	ng	0.00
86) Perylene-d12	15.310	264	245366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	724307	96.73	ng	0.00
7) Phenol-d6	6.375	99	915554	94.98	ng	0.00
23) Nitrobenzene-d5	7.298	82	626456	73.10	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	266079	95.44	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1051094	68.62	ng	0.00
79) Terphenyl-d14	12.827	244	962034	69.78	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.328	77	119	Below Cal	#	33
10) Phenol	6.387	94	20185	2.03 ng	#	69
19) n-Nitroso-di-n-propyla...	7.298	70	84232	15.35 ng	#	76
25) Isophorone	7.298	82	621930	38.38 ng	#	67
50) Dimethylphthalate	9.480	163	142732	8.66 ng		99
57) 2,4-Dinitrotoluene	9.757	165	32124	7.22 ng	#	21
65) 4,6-Dinitro-2-methylph...	10.551	198	791	4.71 ng	#	1
67) 4-Bromophenyl-phenylether	10.551	248	15668	3.46 ng	#	1
70) Pentachlorophenol	10.869	266	510	8.17 ng	#	18
71) Phenanthrene	11.269	178	48489	2.26 ng		98
72) Anthracene	11.269	178	48489	2.18 ng		99
74) Di-n-butylphthalate	11.804	149	126139	5.54 ng		99
75) Fluoranthene	12.457	202	114498	4.97 ng		98
78) Pyrene	12.686	202	99392	4.96 ng		98
81) Benzo(a)anthracene	13.868	228	45664	2.65 ng		99
83) Chrysene	13.910	228	49104	2.90 ng		98
84) Bis(2-ethylhexyl)phtha...	13.857	149	570009	52.88 ng		100
85) Di-n-octyl phthalate	14.463	149	146916	8.42 ng	#	85
88) Benzo(b)fluoranthene	14.904	252	82810	4.99 ng	#	95
89) Benzo(k)fluoranthene	14.904	252	82355	5.23 ng	#	94
90) Benzo(a)pyrene	15.257	252	40238	2.81 ng		97
92) Benzo(g,h,i)perylene	17.145	276	27691	2.11 ng		98

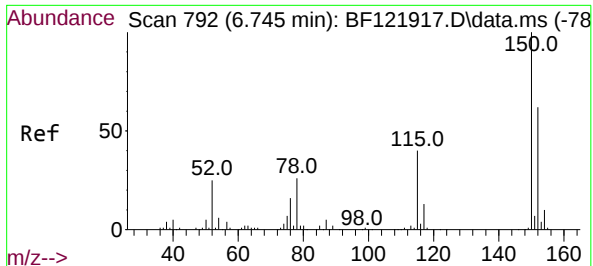
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
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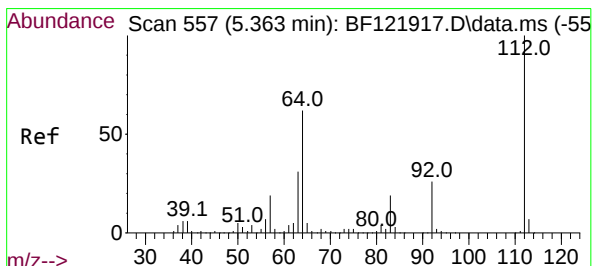
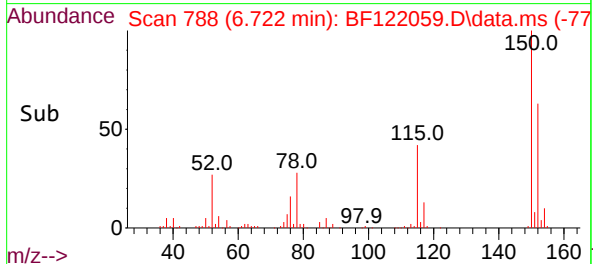
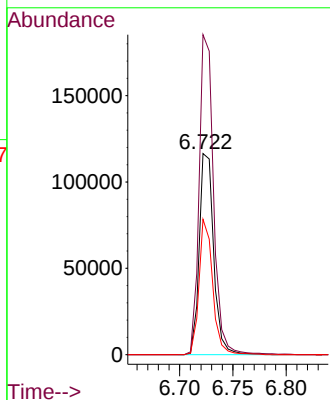
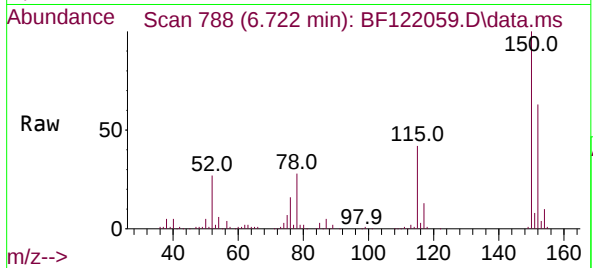




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

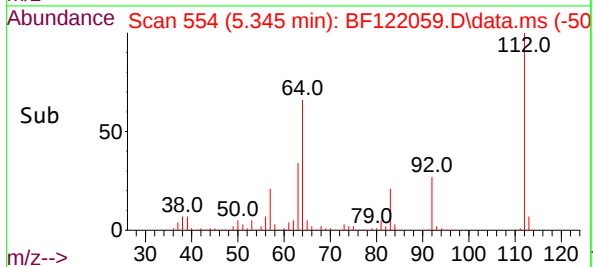
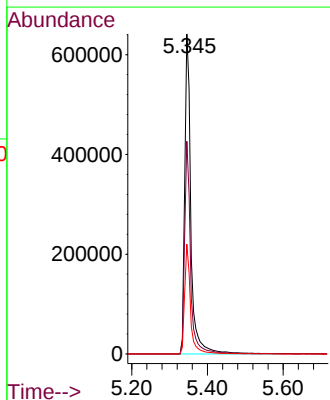
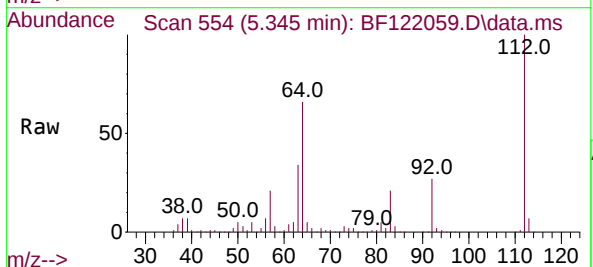
Instrument :
BNA_F
ClientSampleId :
VB-15242

Tgt Ion:152 Resp: 110516
Ion Ratio Lower Upper
152 100
150 159.1 125.3 187.9
115 67.3 51.9 77.9



#5
2-Fluorophenol
Concen: 96.73 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:112 Resp: 724307
Ion Ratio Lower Upper
112 100
64 66.4 50.4 75.6
63 34.3 25.8 38.6

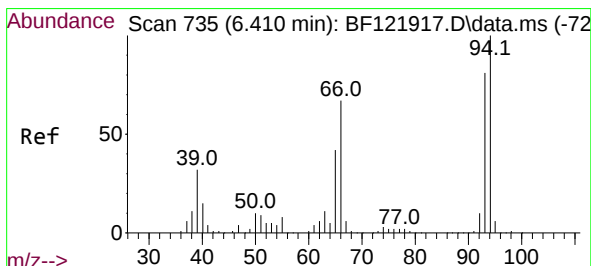
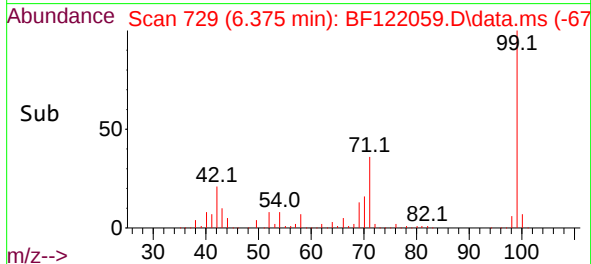
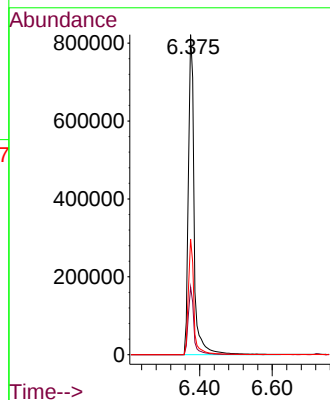
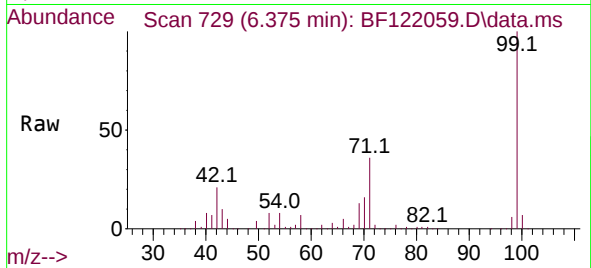




#7
Phenol-d6
Concen: 94.98 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

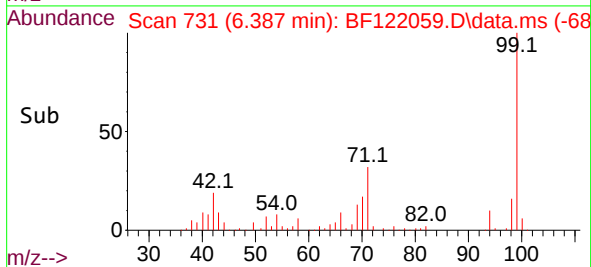
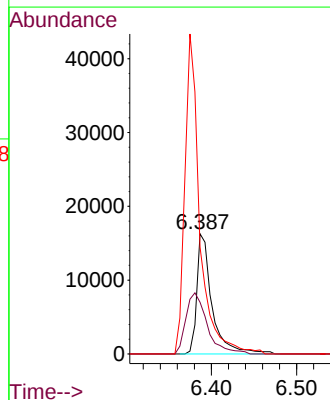
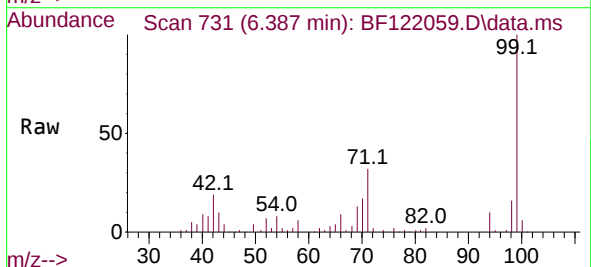
Instrument :
BNA_F
ClientSampleId :
VB-15242

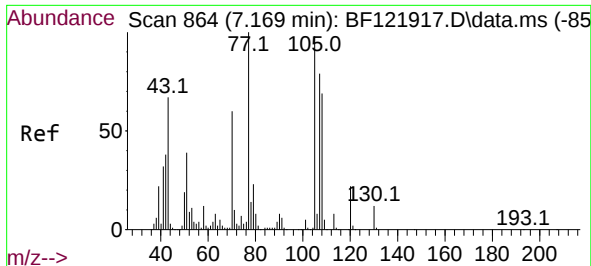
Tgt Ion: 99 Resp: 915554
Ion Ratio Lower Upper
99 100
42 21.2 15.9 23.9
71 36.1 27.1 40.7



#10
Phenol
Concen: 2.03 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion: 94 Resp: 20185
Ion Ratio Lower Upper
94 100
65 43.0 17.1 57.1
66 88.9 36.0 76.0#

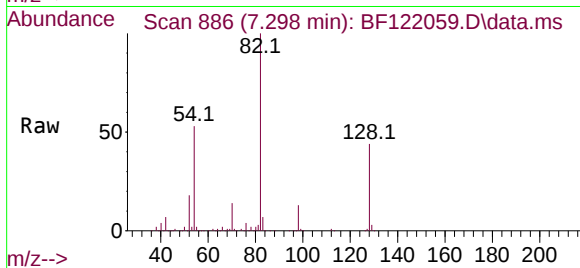




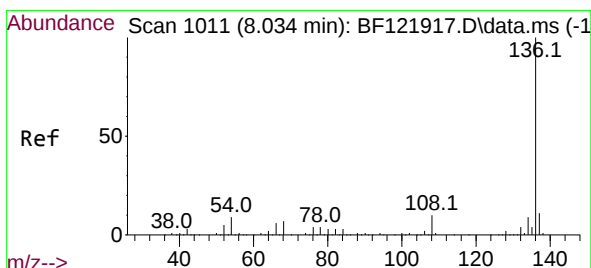
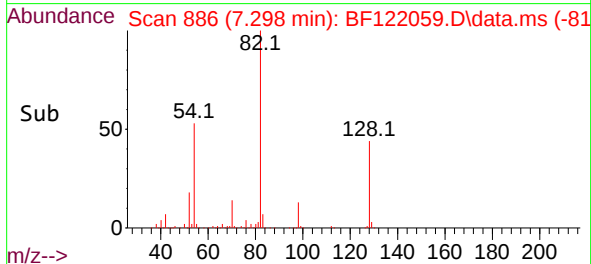
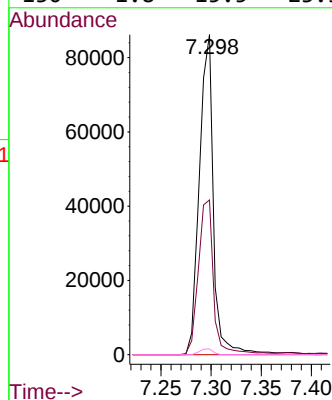
#19

n-Nitroso-di-n-propylamine
Concen: 15.35 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Instrument :
BNA_F
ClientSampleId :
VB-15242

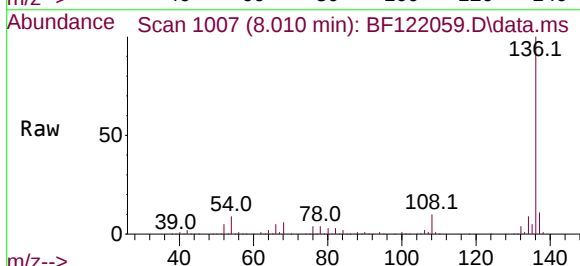


Tgt Ion:	70	Resp:	84232
Ion	Ratio	Lower	Upper
70	100		
42	48.3	50.2	75.4#
101	0.0	7.5	11.3#
130	1.8	15.5	23.3#

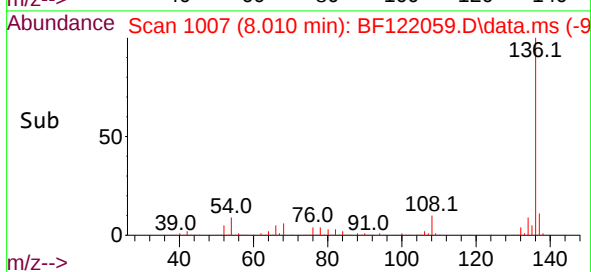
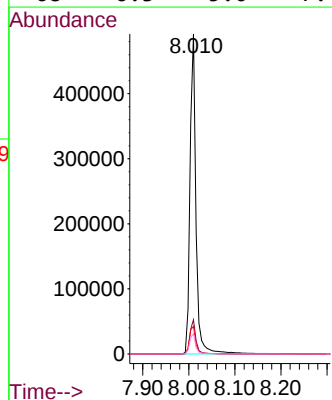


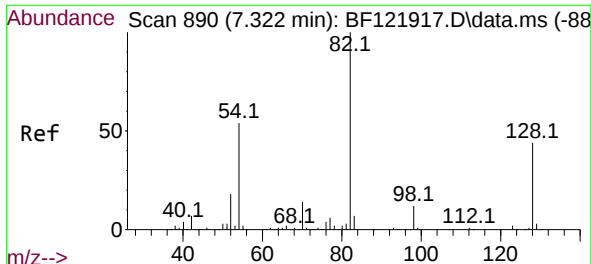
#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13



Tgt Ion:	136	Resp:	439519
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.6	7.1	10.7
68	6.3	5.0	7.4

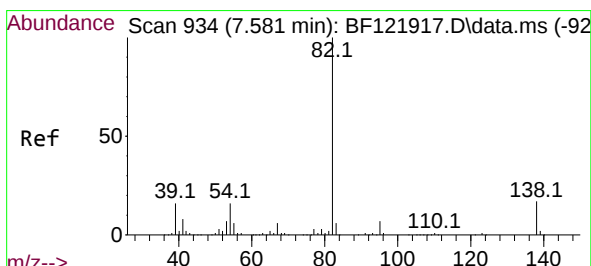
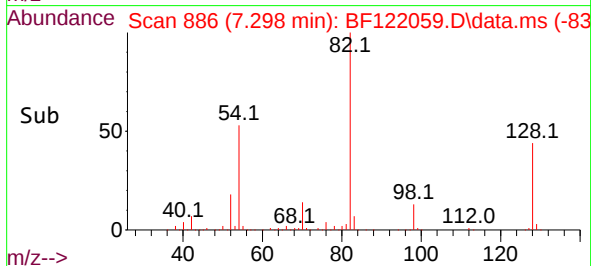
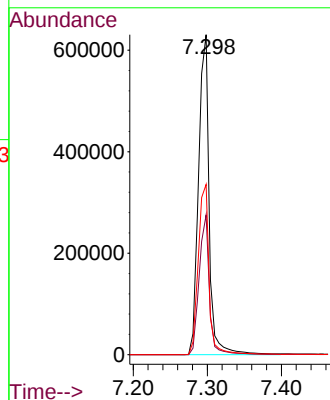
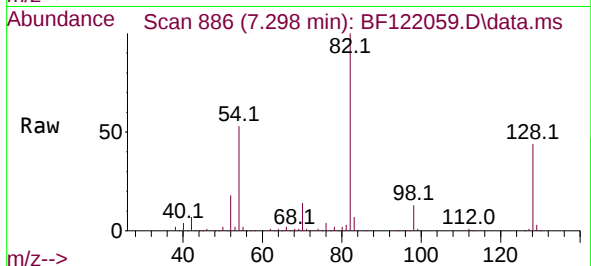




#23
Nitrobenzene-d5
Concen: 73.10 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

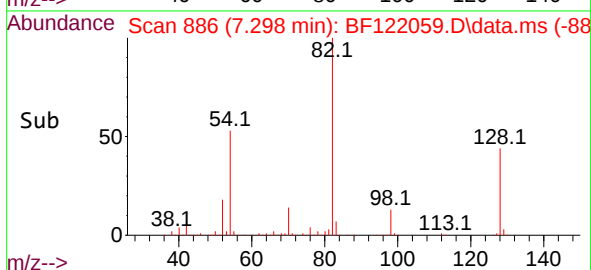
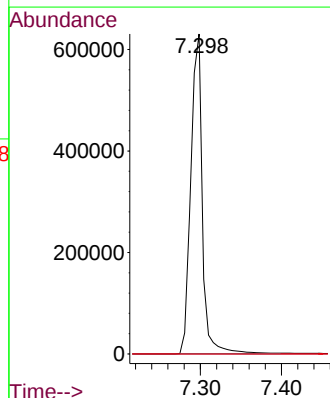
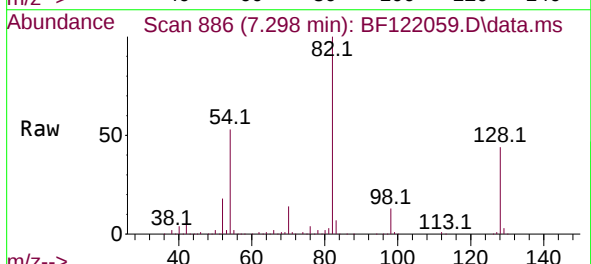
Instrument :
BNA_F
ClientSampleId :
VB-15242

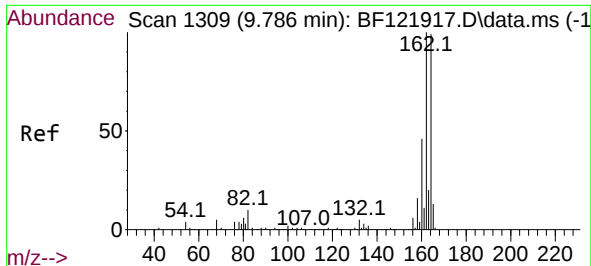
Tgt Ion: 82 Resp: 626456
Ion Ratio Lower Upper
82 100
128 43.7 35.0 52.4
54 53.2 43.9 65.9



#25
Isophorone
Concen: 38.38 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.265 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion: 82 Resp: 621930
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF122059.D

Acq: 21 Oct 2020 17:13

Tgt Ion:164 Resp: 225369

Ion Ratio Lower Upper

164 100

162 101.5 83.2 124.8

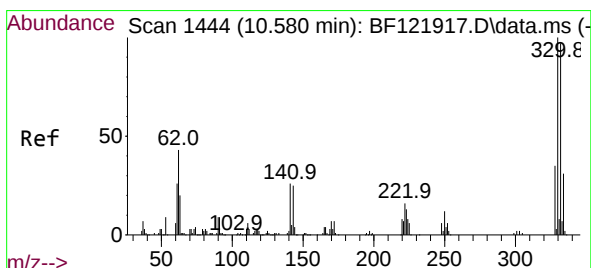
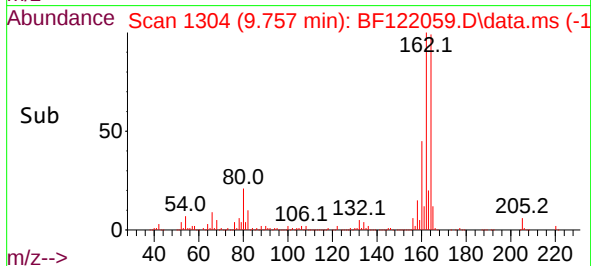
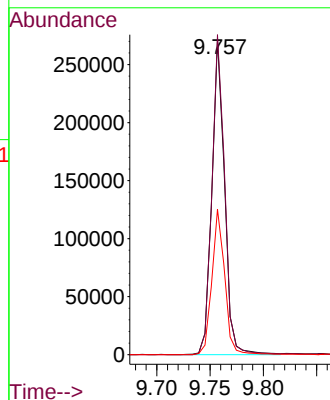
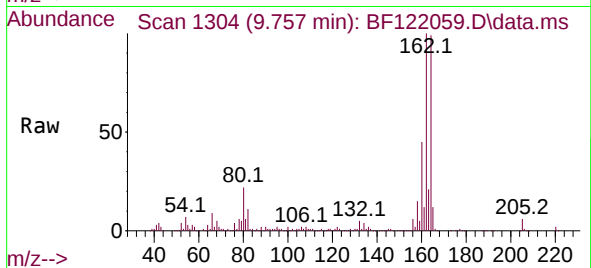
160 46.1 37.5 56.3

Instrument :

BNA_F

ClientSampleId :

VB-15242



#42

2,4,6-Tribromophenol

Concen: 95.44 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF122059.D

Acq: 21 Oct 2020 17:13

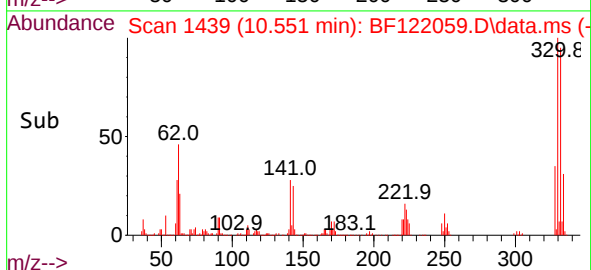
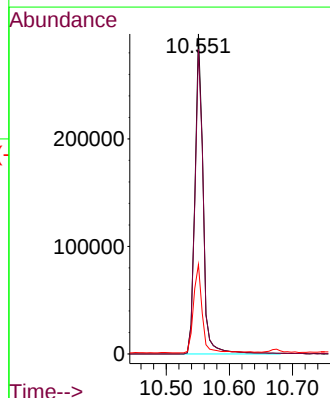
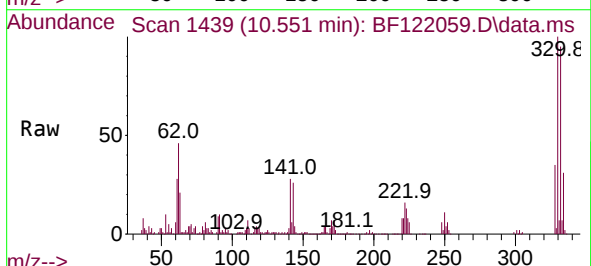
Tgt Ion:330 Resp: 266079

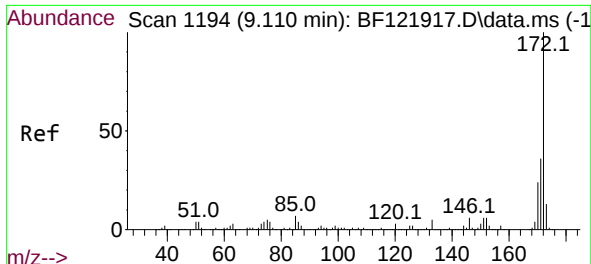
Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 29.4 22.3 33.5

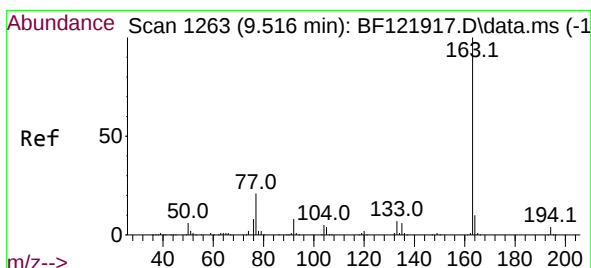
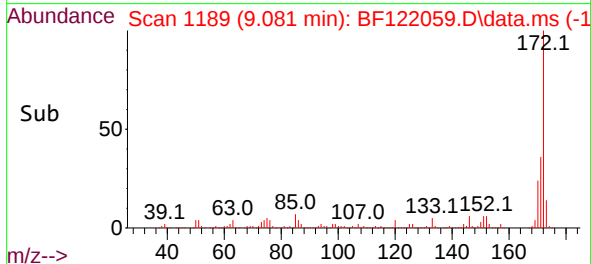
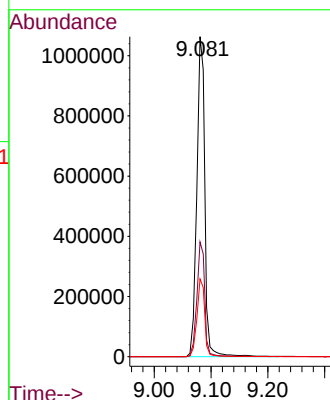
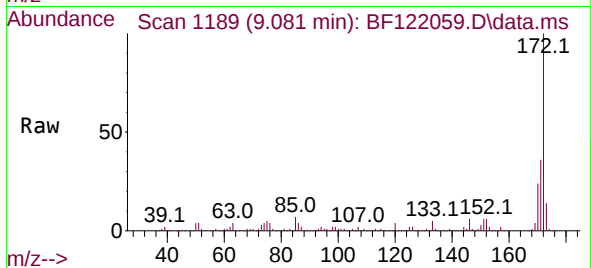




#45
2-Fluorobiphenyl
Concen: 68.62 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

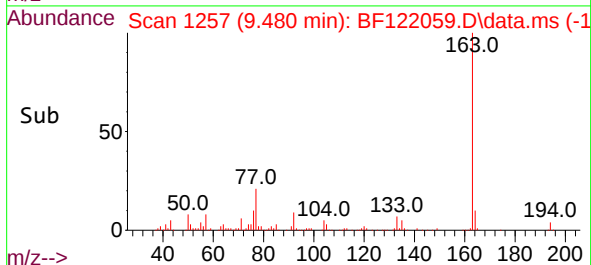
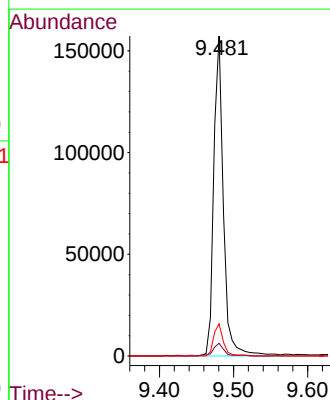
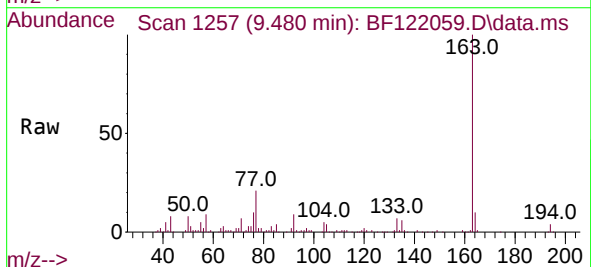
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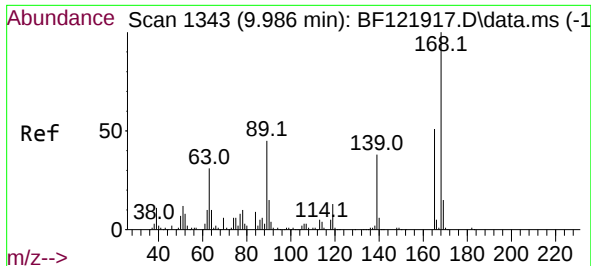
Tgt Ion:172 Resp: 1051094
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.3 19.8 29.6



#50
Dimethylphthalate
Concen: 8.66 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:163 Resp: 142732
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.2 12.4

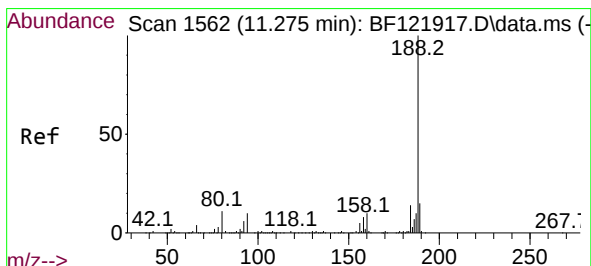
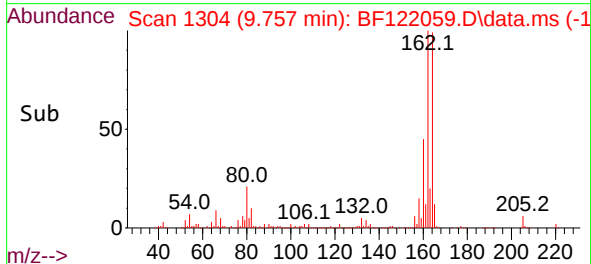
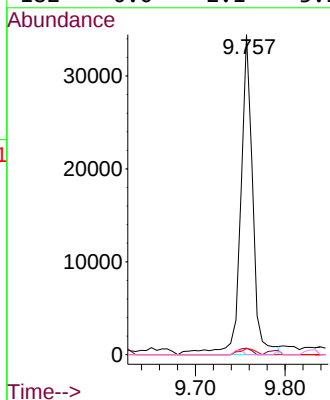
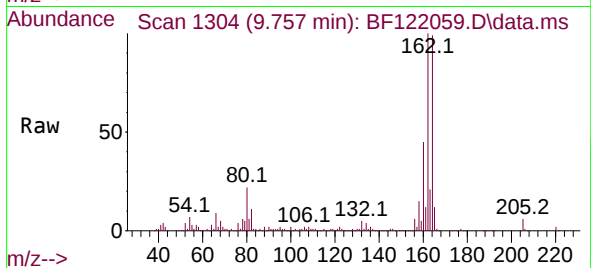




#57
2,4-Dinitrotoluene
Concen: 7.22 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

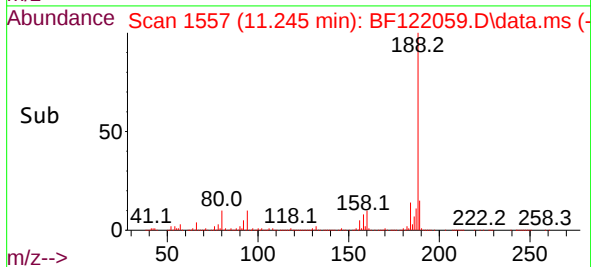
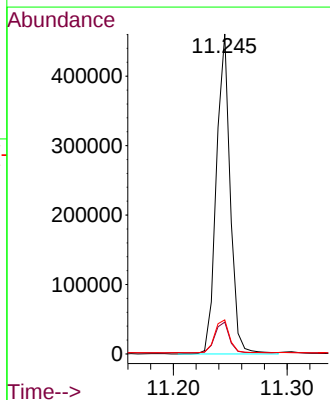
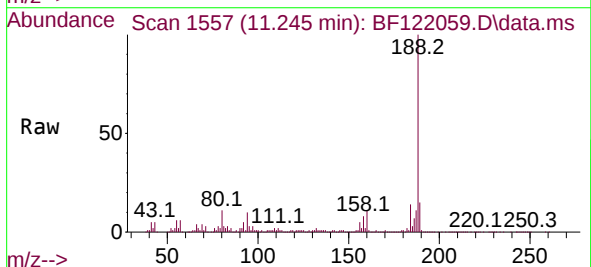
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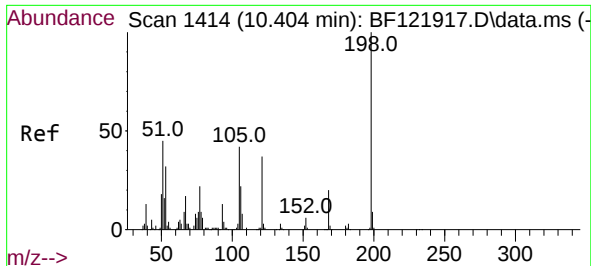
Tgt Ion:165 Resp: 32124
Ion Ratio Lower Upper
165 100
63 2.0 41.3 61.9#
89 1.9 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:188 Resp: 391485
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.7 9.1 13.7

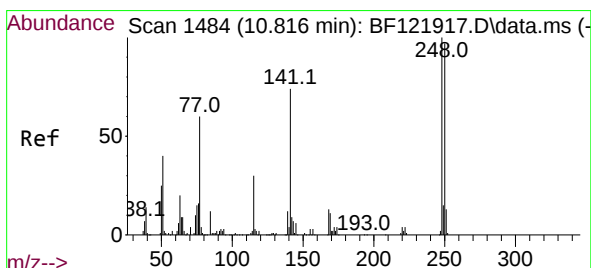
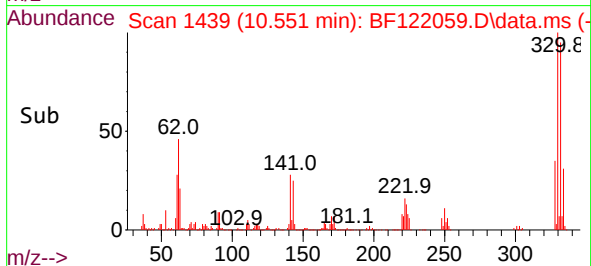
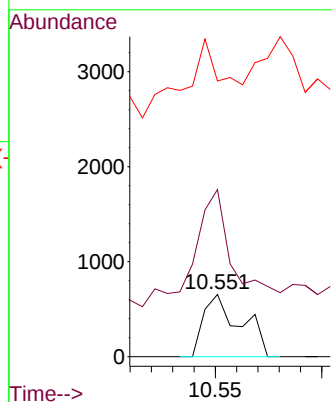
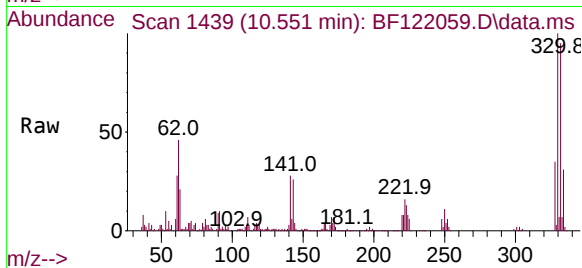




#65
4,6-Dinitro-2-methylphenol
Concen: 4.71 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.165 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

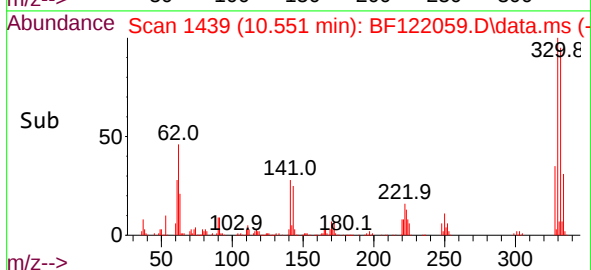
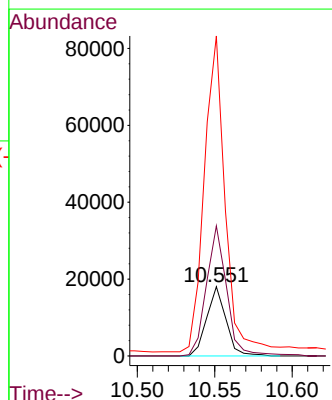
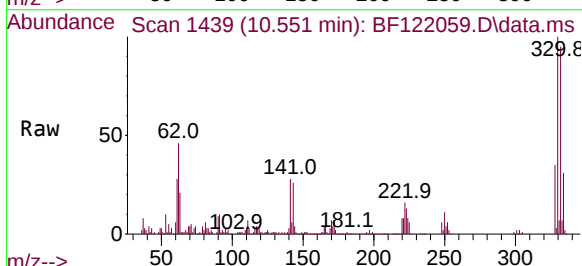
Instrument :
BNA_F
ClientSampleId :
VB-15242

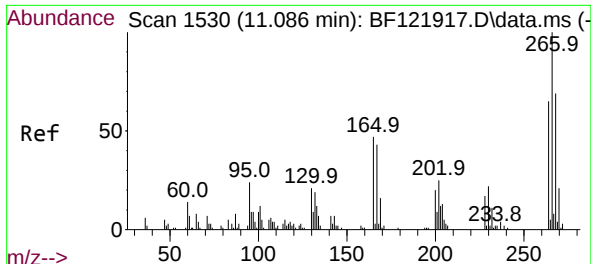
Tgt Ion:198	Resp:	791
Ion	Ratio	Lower Upper
198	100	
51	268.3	29.6 69.6#
105	442.4	24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:248	Resp:	15668
Ion	Ratio	Lower Upper
248	100	
250	187.8	77.0 115.6#
141	461.7	53.7 80.5#

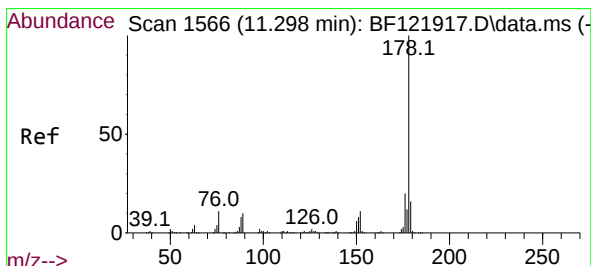
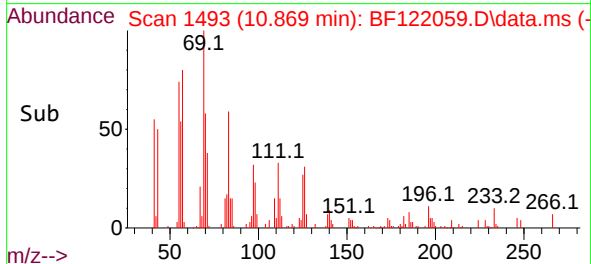
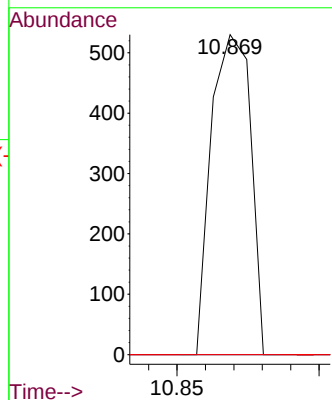
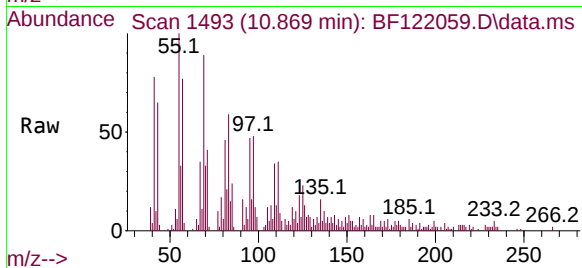




#70
Pentachlorophenol
Concen: 8.17 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.194 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

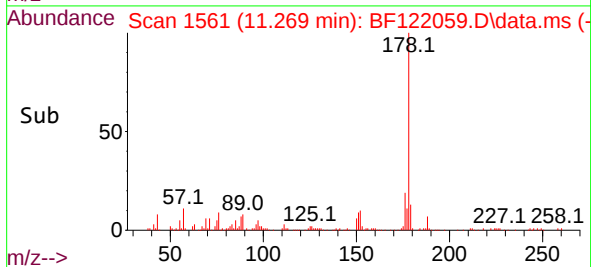
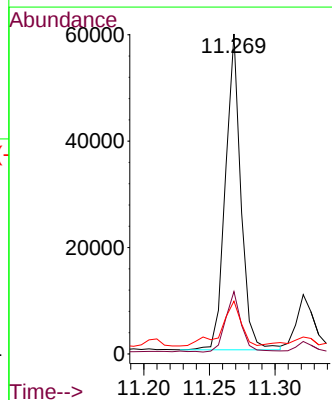
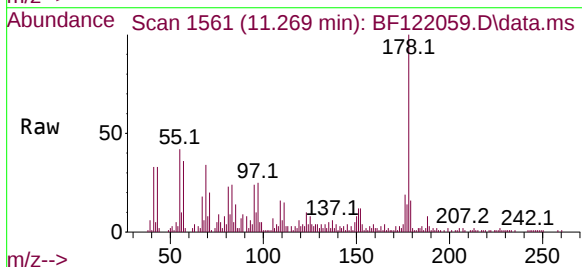
Instrument :
BNA_F
ClientSampleId :
VB-15242

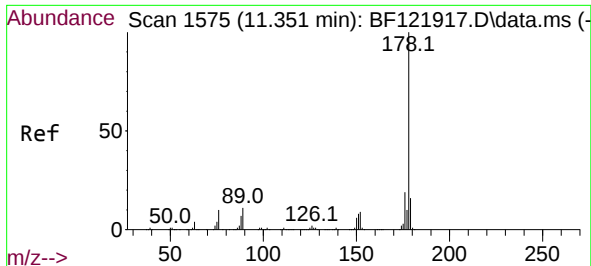
Tgt Ion:266 Resp: 510
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 0.0 49.9 74.9#



#71
Phenanthrene
Concen: 2.26 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:178 Resp: 48489
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 16.5 12.2 18.4

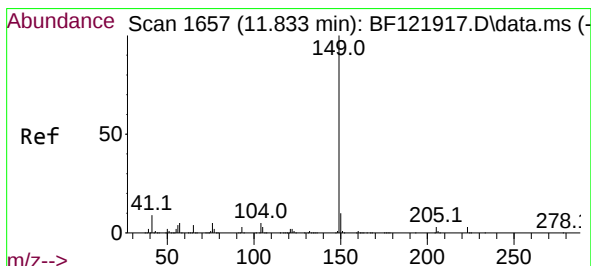
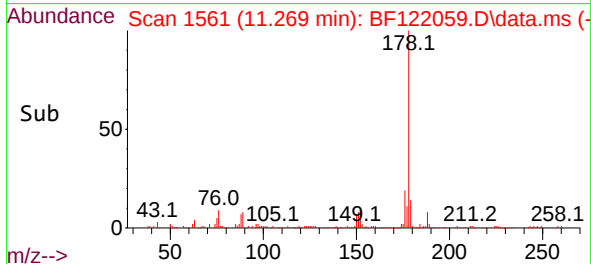
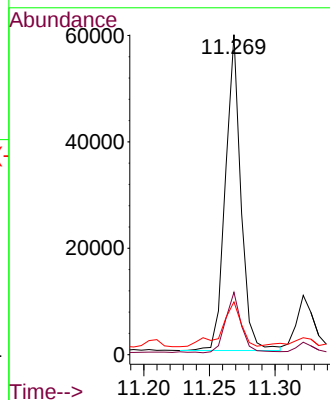
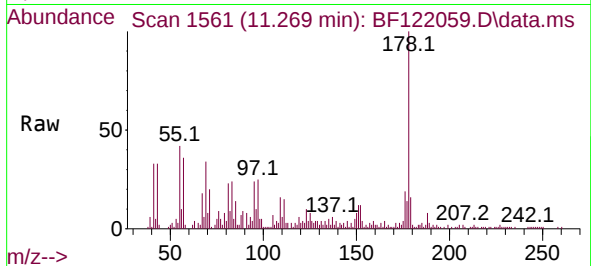




#72
 Anthracene
 Concen: 2.18 ng
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.059 min
 Lab File: BF122059.D
 Acq: 21 Oct 2020 17:13

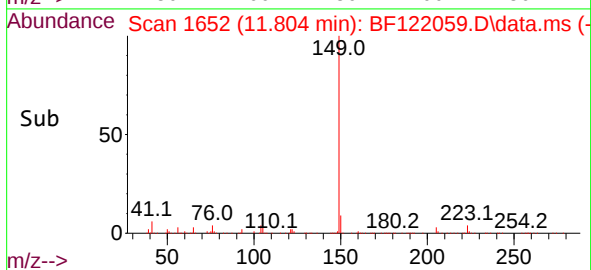
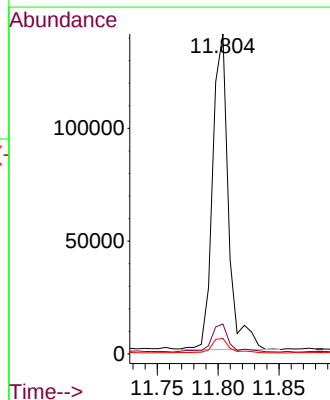
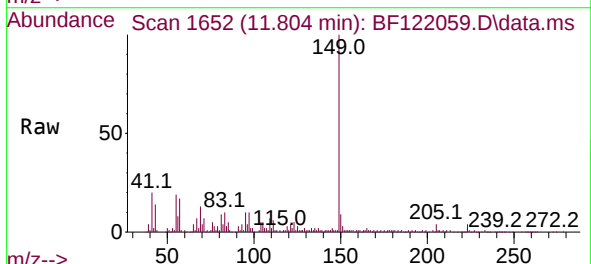
Instrument :
 BNA_F
 ClientSampleId :
 VB-15242

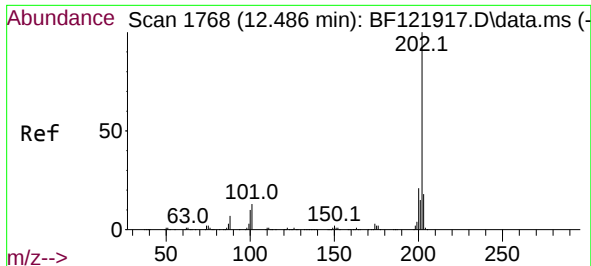
Tgt Ion:178	Resp:	48489
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.7 23.5
179	16.5	12.7 19.1



#74
 Di-n-butylphthalate
 Concen: 5.54 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF122059.D
 Acq: 21 Oct 2020 17:13

Tgt Ion:149	Resp:	126139
Ion Ratio	Lower	Upper
149	100	
150	9.4	7.7 11.5
104	4.8	4.2 6.2

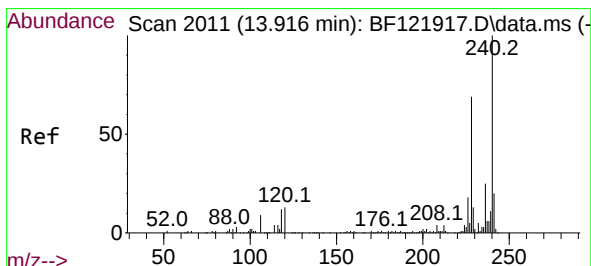
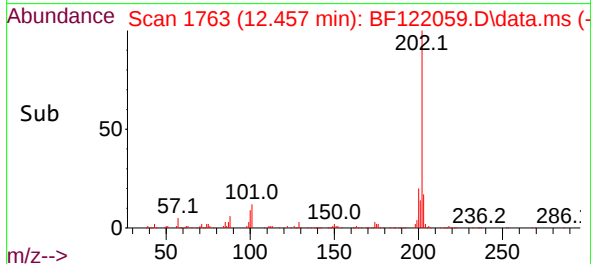
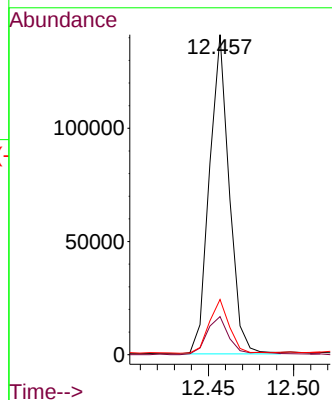
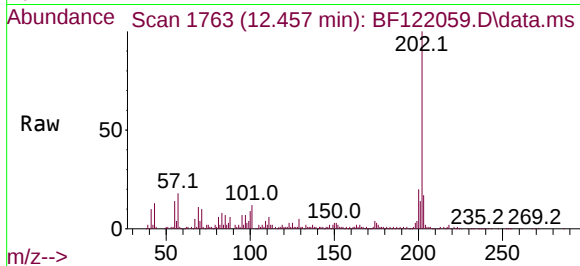




#75
Fluoranthene
Concen: 4.97 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

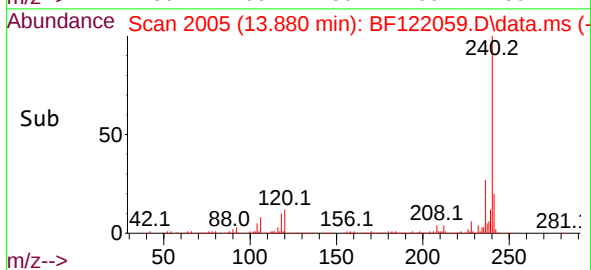
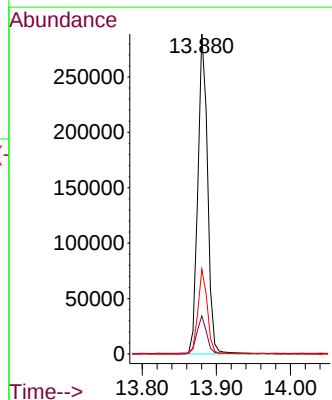
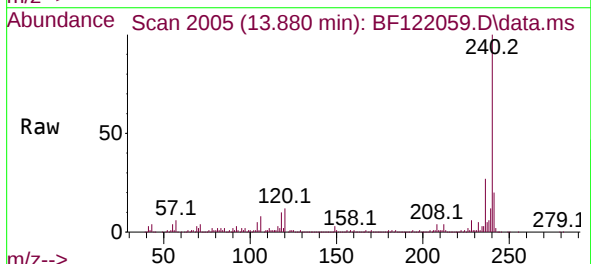
Instrument :
BNA_F
ClientSampleId :
VB-15242

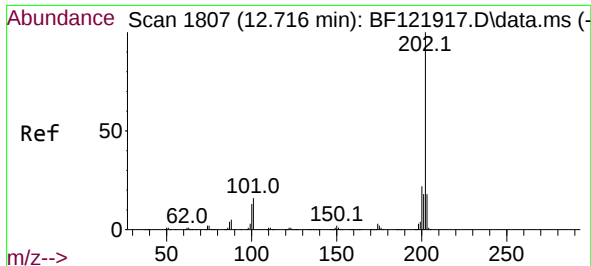
Tgt Ion:202 Resp: 114498
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.4
203 17.3 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:240 Resp: 262755
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 26.5 20.9 31.3

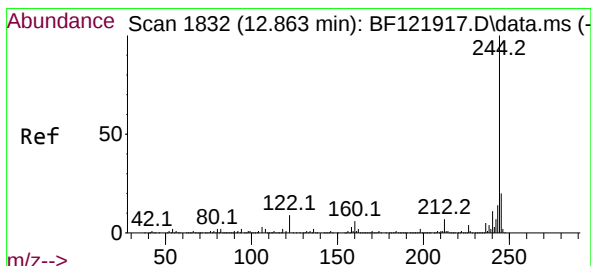
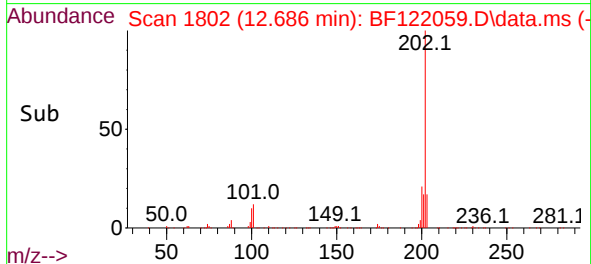
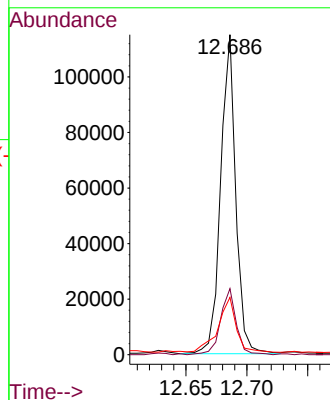
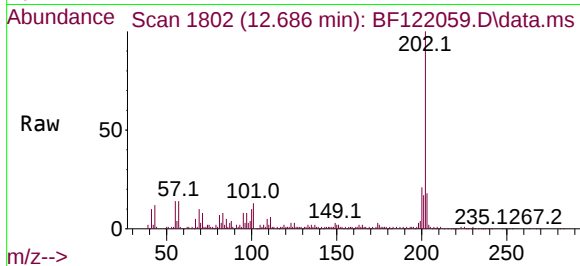




#78
Pyrene
Concen: 4.96 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

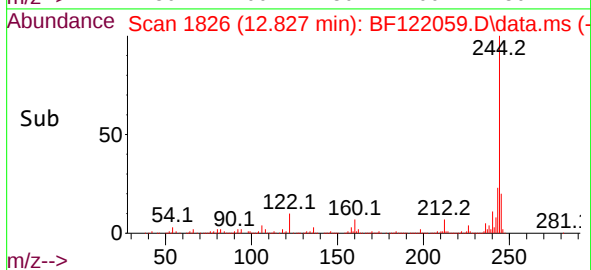
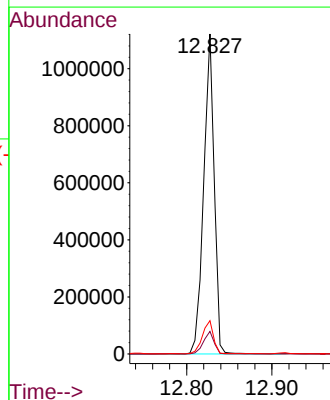
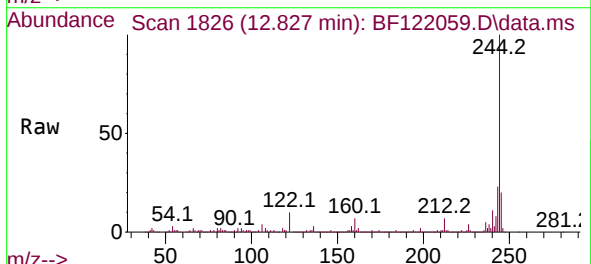
Instrument :
BNA_F
ClientSampleId :
VB-15242

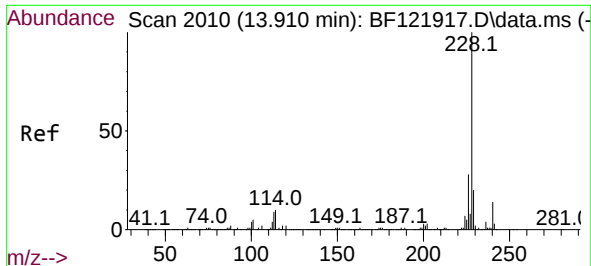
Tgt Ion:202 Resp: 99392
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 69.78 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:244 Resp: 962034
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.4 8.1 12.1

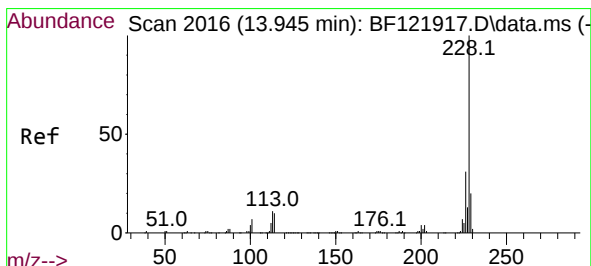
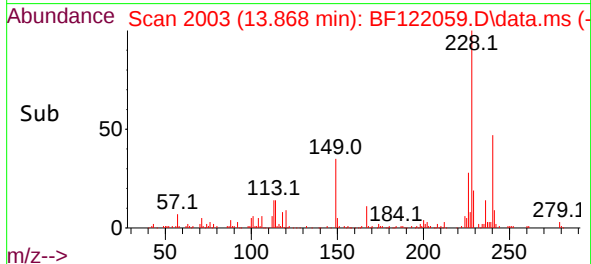
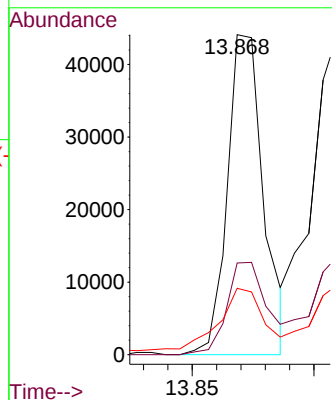
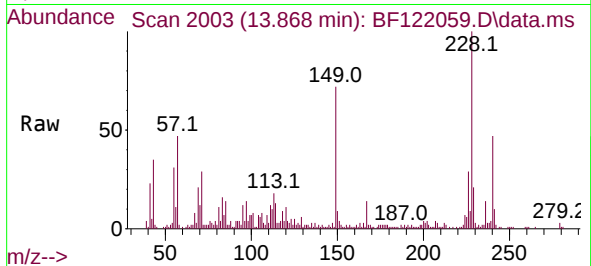




#81
Benzo(a)anthracene
Concen: 2.65 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

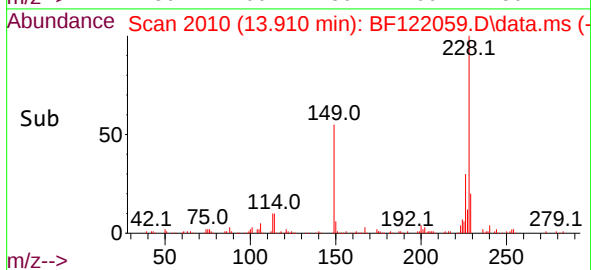
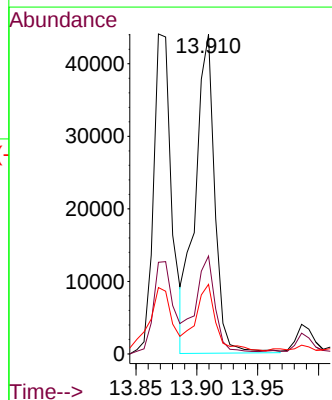
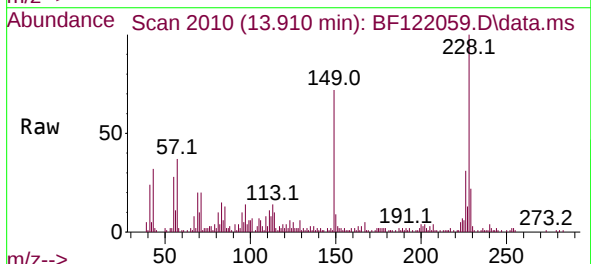
Instrument :
BNA_F
ClientSampled :
VB-15242

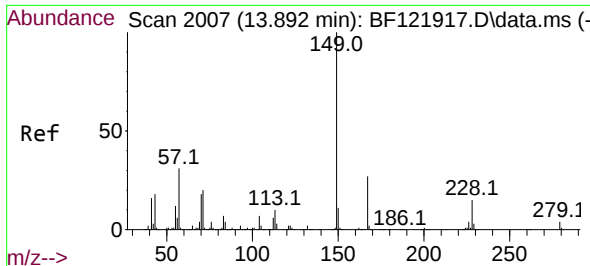
Tgt Ion:228 Resp: 45664
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 20.8 16.2 24.4



#83
Chrysene
Concen: 2.90 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:228 Resp: 49104
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 21.8 15.9 23.9

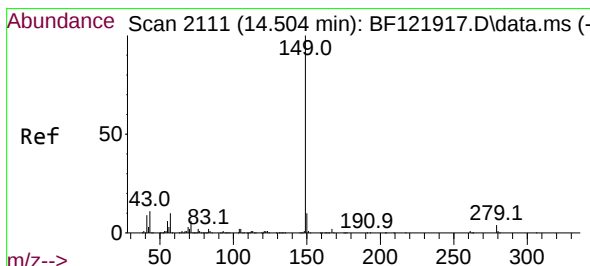
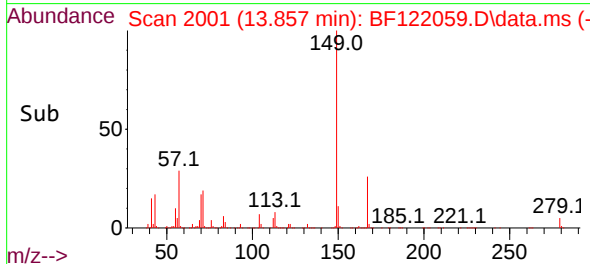
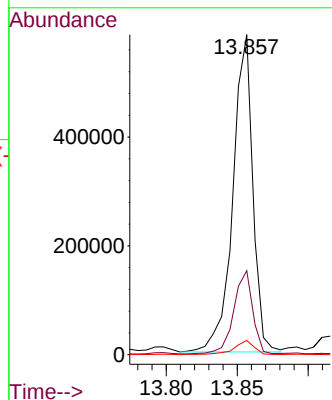
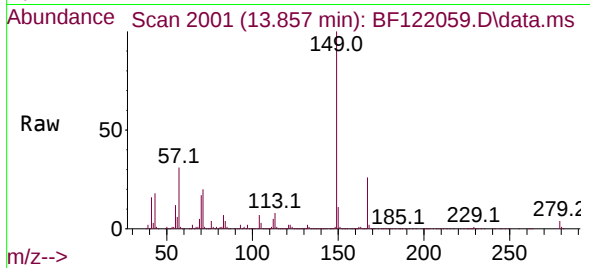




#84
Bis(2-ethylhexyl)phthalate
Concen: 52.88 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

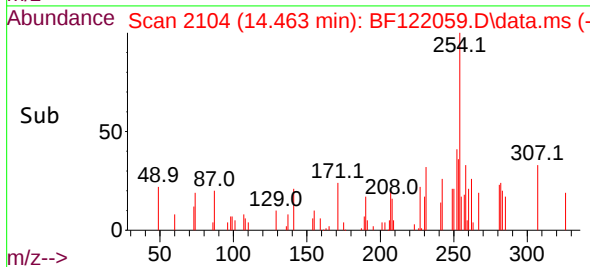
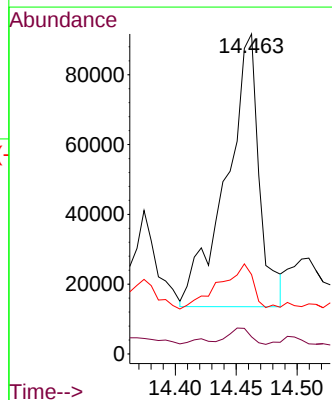
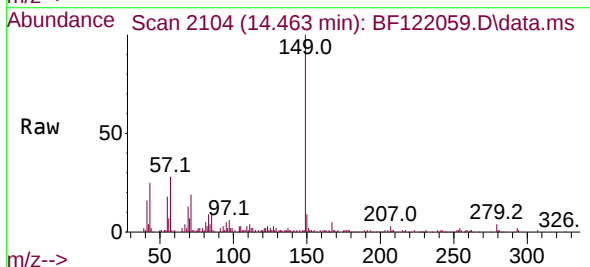
Instrument :
BNA_F
ClientSampleId :
VB-15242

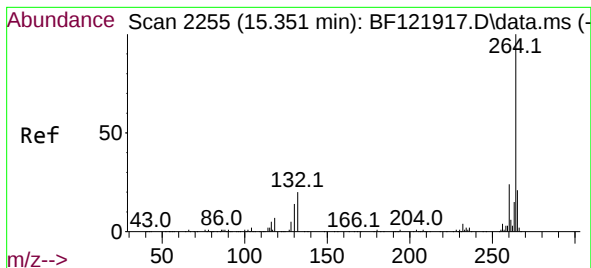
Tgt Ion:149 Resp: 570009
Ion Ratio Lower Upper
149 100
167 26.3 20.9 31.3
279 4.5 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 8.42 ng
RT: 14.463 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:149 Resp: 146916
Ion Ratio Lower Upper
149 100
167 5.0 1.2 1.8#
43 17.2 9.0 13.6#

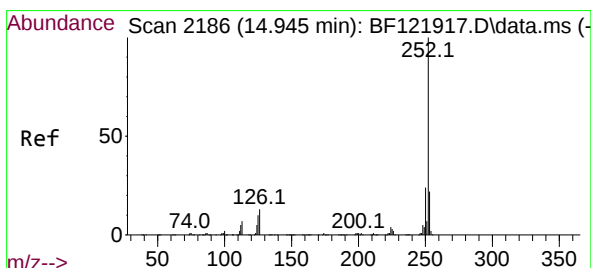
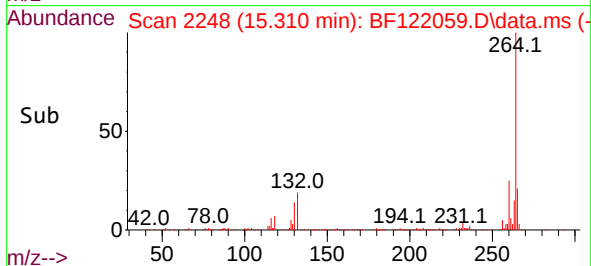
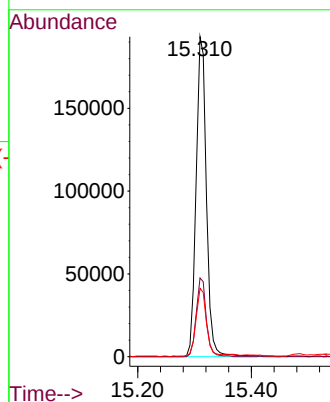
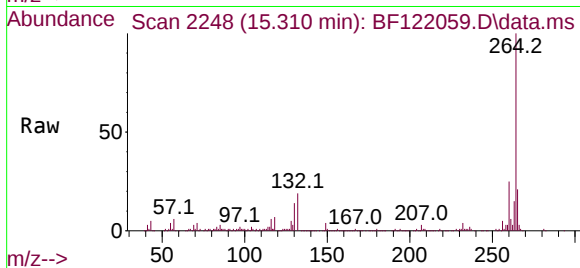




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.310 min Scan# 2248
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

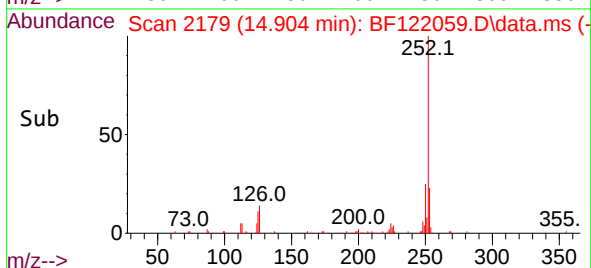
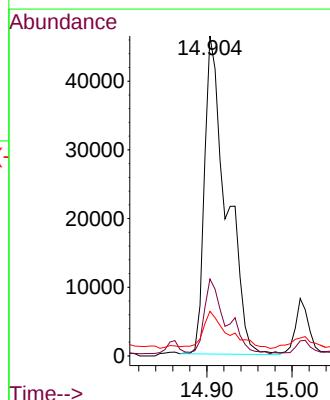
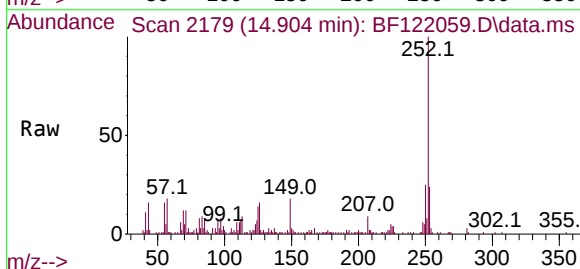
Instrument :
BNA_F
ClientSampleId :
VB-15242

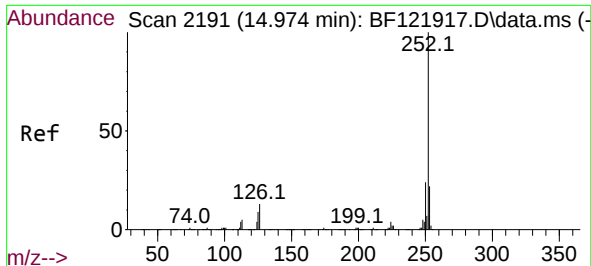
Tgt Ion:264 Resp: 245366
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 21.4 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 4.99 ng
RT: 14.904 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Tgt Ion:252 Resp: 82810
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 14.0 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 5.23 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.029 min

Lab File: BF122059.D

Acq: 21 Oct 2020 17:13

Tgt Ion:252 Resp: 82355

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

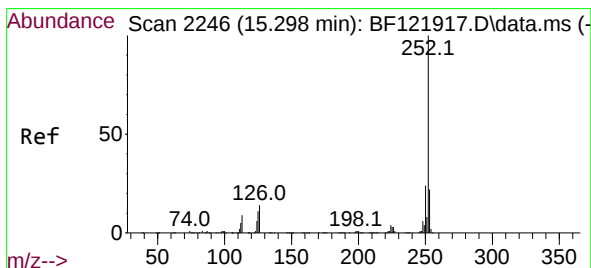
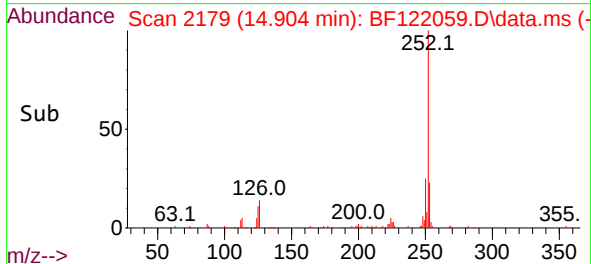
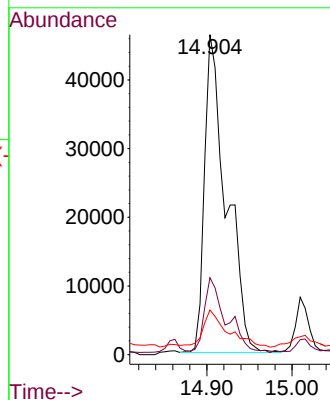
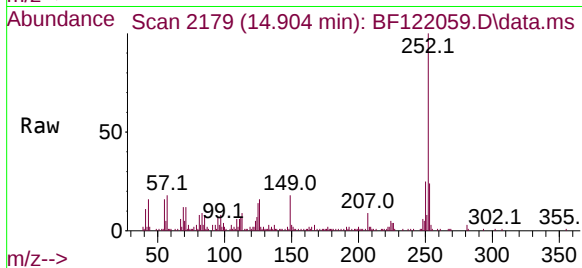
125 14.0 7.7 11.5#

Instrument :

BNA_F

ClientSampleId :

VB-15242



#90

Benzo(a)pyrene

Concen: 2.81 ng

RT: 15.257 min Scan# 2239

Delta R.T. -0.000 min

Lab File: BF122059.D

Acq: 21 Oct 2020 17:13

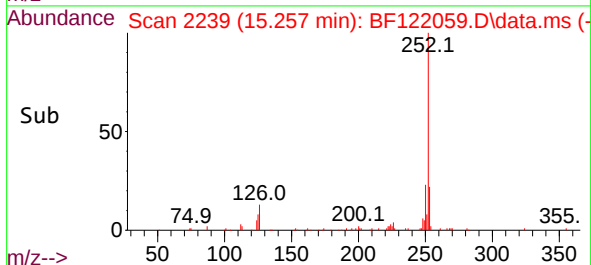
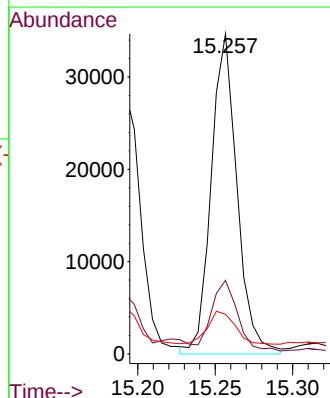
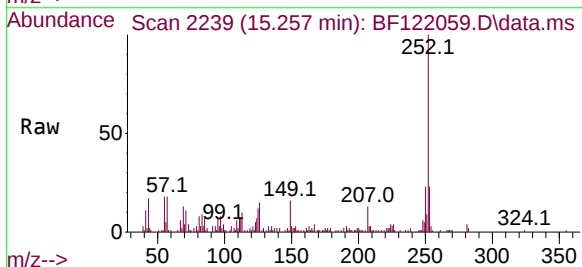
Tgt Ion:252 Resp: 40238

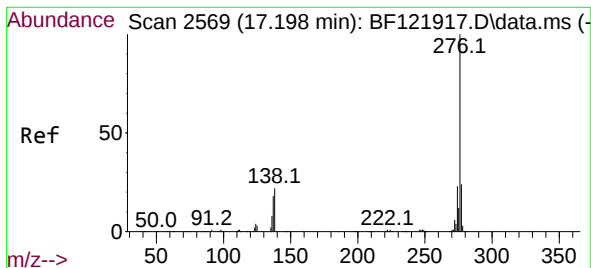
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 12.4 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 2.11 ng
RT: 17.145 min Scan# 2560
Delta R.T. 0.006 min
Lab File: BF122059.D
Acq: 21 Oct 2020 17:13

Instrument :
BNA_F
ClientSampleId :
VB-15242

Tgt Ion:276 Resp: 27691
Ion Ratio Lower Upper
276 100
277 25.3 19.4 29.2
138 23.2 17.8 26.6

