

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
 Data File : BF122447.D
 Acq On : 23 Nov 2020 15:11
 Operator : JU/CG
 Sample : L4836-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08

Quant Time: Nov 23 15:39:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

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

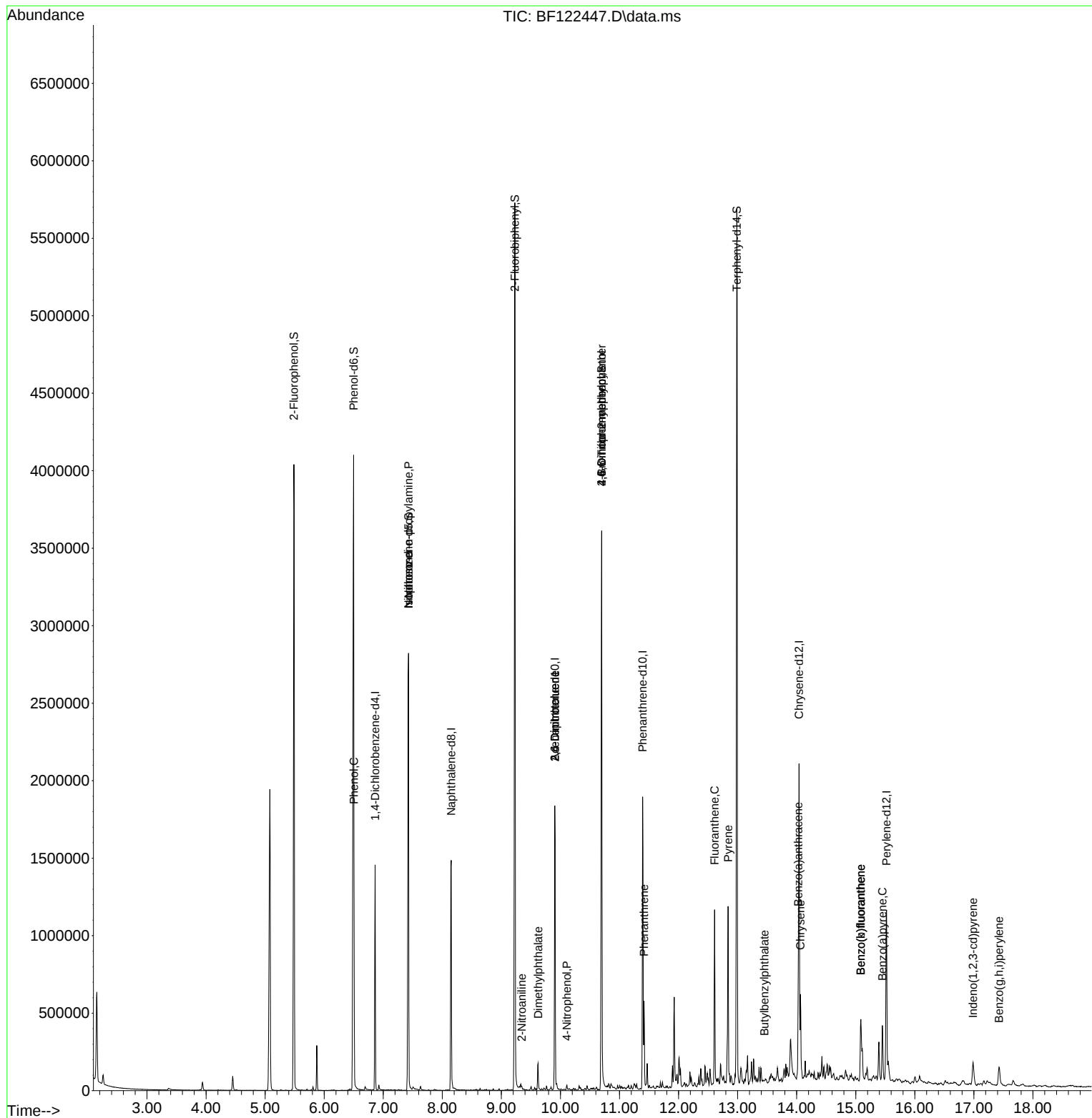
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	193067	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	721272	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	391651	20.00	ng	-0.01
64) Phenanthrene-d10	11.392	188	714806	20.00	ng	-0.01
76) Chrysene-d12	14.039	240	616576	20.00	ng	-0.01
86) Perylene-d12	15.521	264	540380	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1255271	99.83	ng	0.00
7) Phenol-d6	6.498	99	1589550	96.64	ng	-0.01
23) Nitrobenzene-d5	7.428	82	1019261	86.51	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	497530	118.36	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1849721	73.79	ng	0.00
79) Terphenyl-d14	12.986	244	1971262	67.73	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	617	Below Cal	#	82
10) Phenol	6.504	94	132308	8.17	ng	91
19) n-Nitroso-di-n-propyla...	7.428	70	138398	14.08	ng	# 73
25) Isophorone	7.428	82	1007803	38.37	ng	# 67
48) 2-Nitroaniline	9.345	65	223	5.20	ng	# 6
50) Dimethylphthalate	9.622	163	80965	2.91	ng	98
51) 2,6-Dinitrotoluene	9.904	165	50424	11.31	ng	# 20
56) 4-Nitrophenol	10.110	139	1912	5.70	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	50424	10.54	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.698	198	1079	6.59	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	31852	3.79	ng	# 1
71) Phenanthrene	11.416	178	194842	4.80	ng	99
75) Fluoranthene	12.610	202	417690	9.87	ng	97
78) Pyrene	12.839	202	447018	10.32	ng	99
80) Butylbenzylphthalate	13.457	149	963	3.34	ng	# 46
81) Benzo(a)anthracene	14.027	228	241008	6.29	ng	98
83) Chrysene	14.063	228	219504	5.68	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	100975	3.11	ng	99
88) Benzo(b)fluoranthene	15.086	252	309226	8.84	ng	99
89) Benzo(k)fluoranthene	15.086	252	309226	9.06	ng	100
90) Benzo(a)pyrene	15.451	252	175261	5.74	ng	98
92) Benzo(g,h,i)perylene	17.427	276	106820	4.04	ng	98

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

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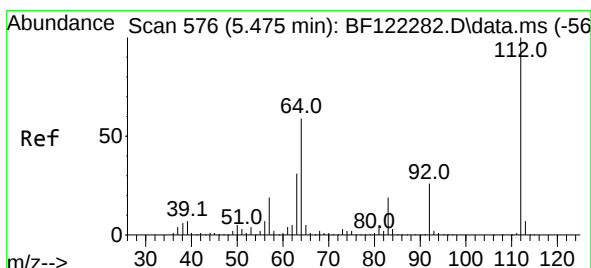
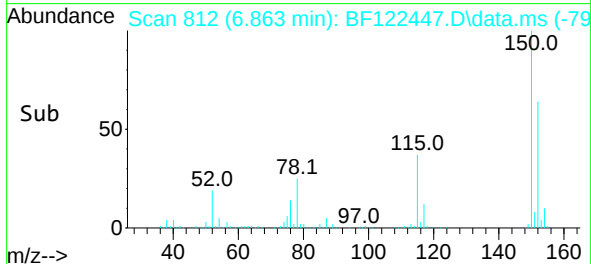
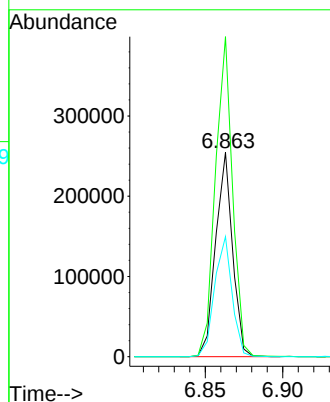
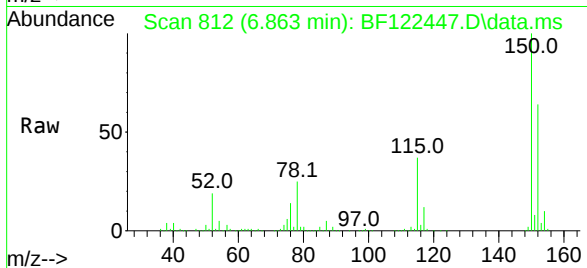




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

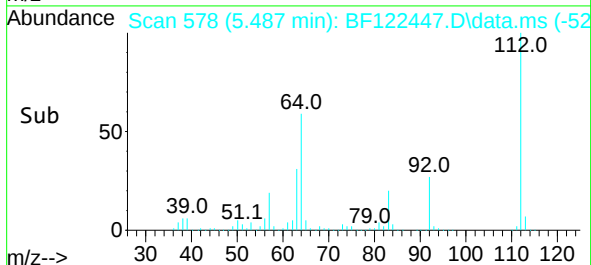
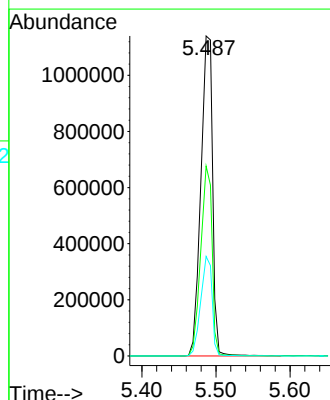
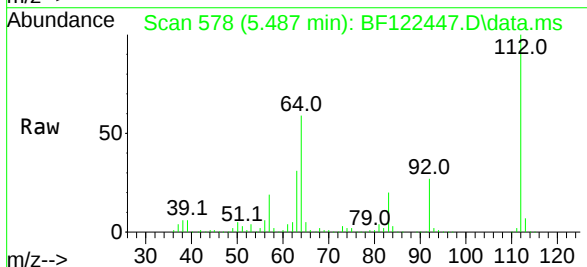
Instrument :
BNA_F
ClientSampleId :
SB-08

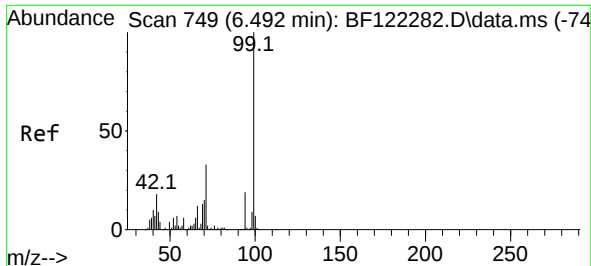
Tgt Ion:152 Resp: 193067
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 58.7 51.9 77.9



#5
2-Fluorophenol
Concen: 99.83 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:112 Resp: 1255271
Ion Ratio Lower Upper
112 100
64 59.3 50.4 75.6
63 31.1 25.8 38.6

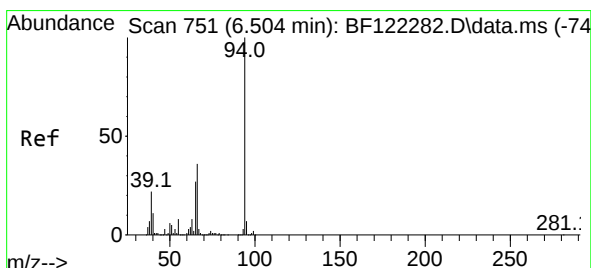
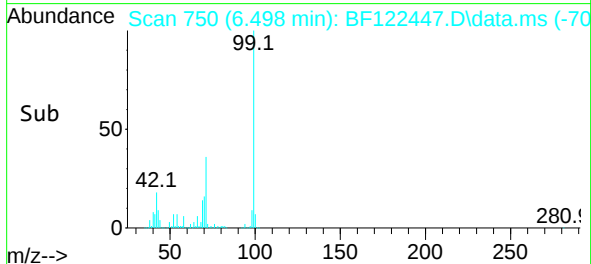
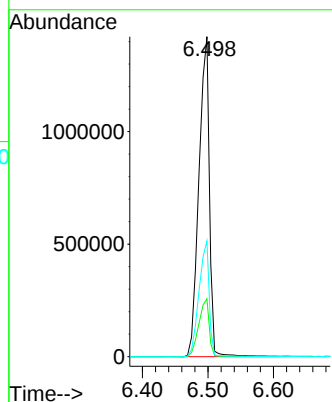
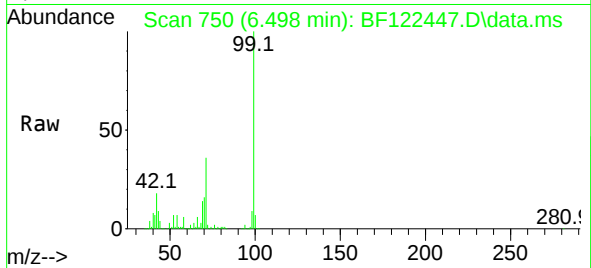




#7
Phenol-d6
Concen: 96.64 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

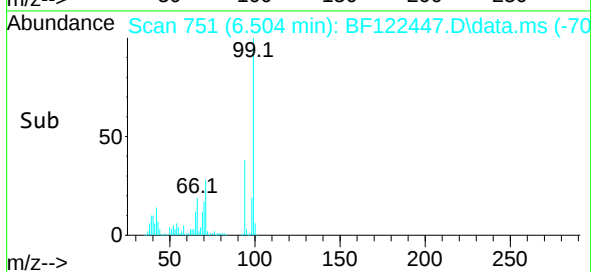
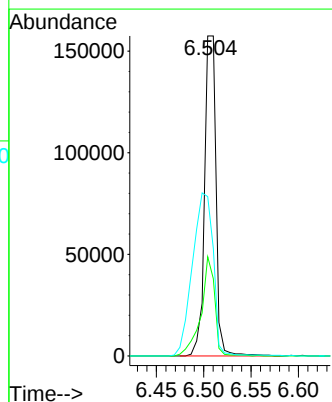
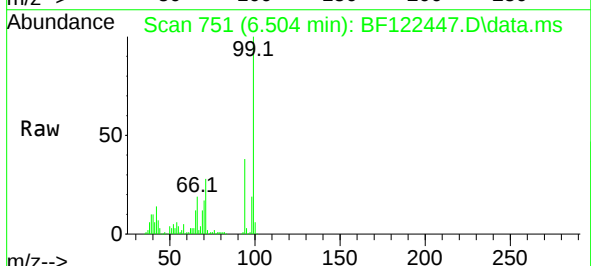
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ClientSampleId :
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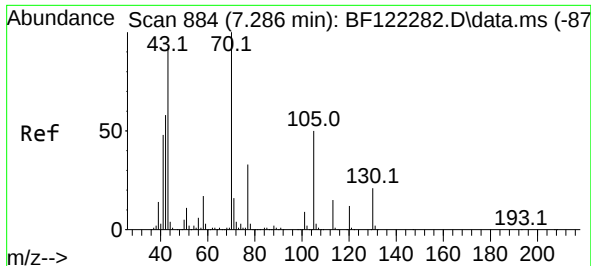
Tgt Ion: 99 Resp: 1589550
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 36.2 27.1 40.7



#10
Phenol
Concen: 8.17 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion: 94 Resp: 132308
Ion Ratio Lower Upper
94 100
65 31.0 17.1 57.1
66 49.8 36.0 76.0

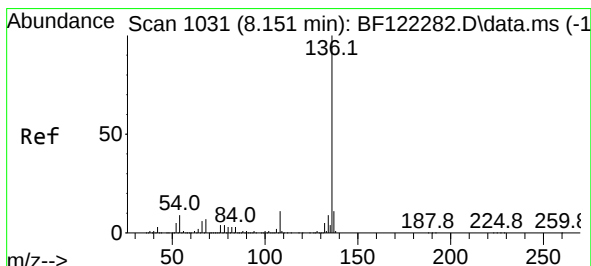
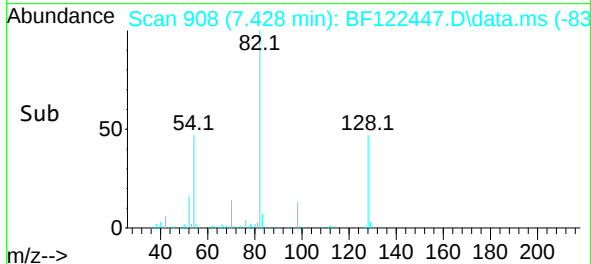
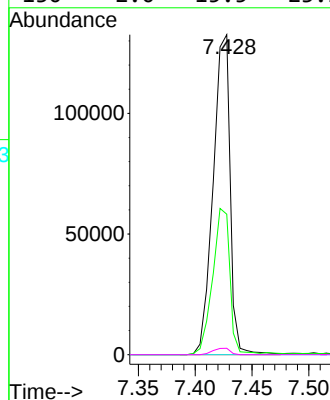
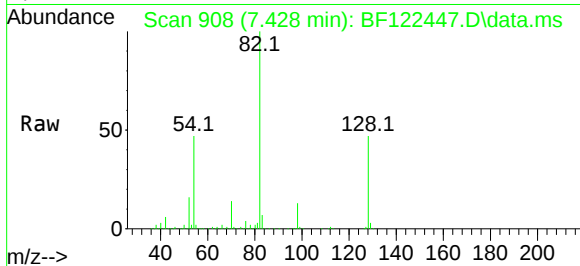




#19
n-Nitroso-di-n-propylamine
Concen: 14.08 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

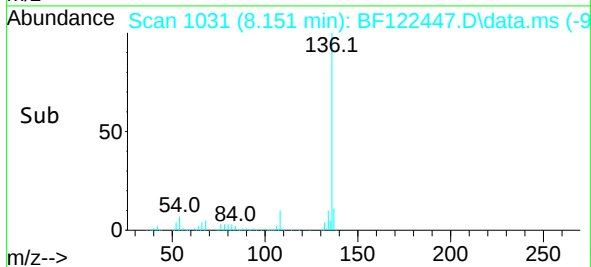
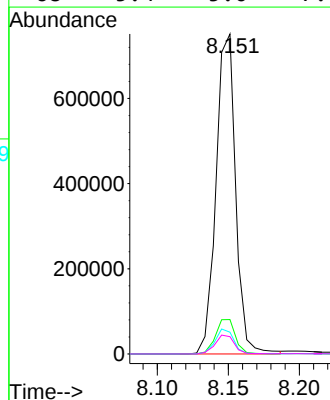
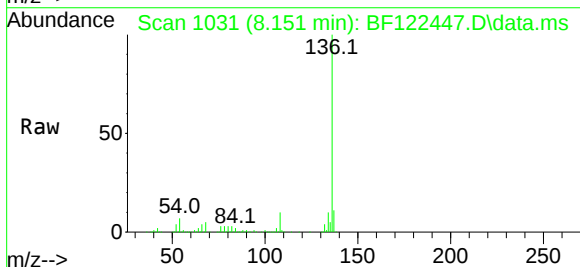
Instrument :
BNA_F
ClientSampleId :
SB-08

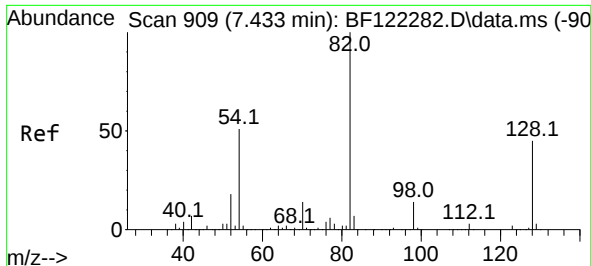
Tgt Ion: 70 Resp: 138398
Ion Ratio Lower Upper
70 100
42 43.9 50.2 75.4#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:136 Resp: 721272
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.8 7.1 10.7#
68 5.4 5.0 7.4

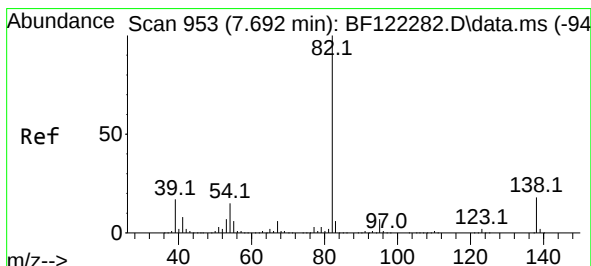
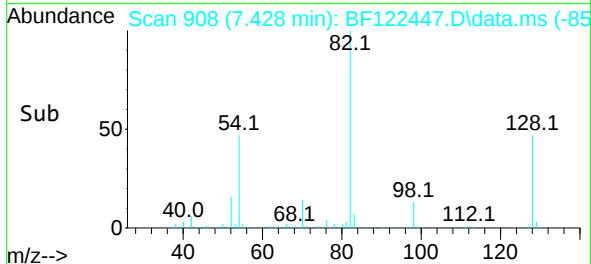
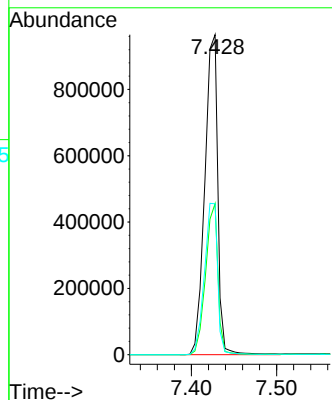
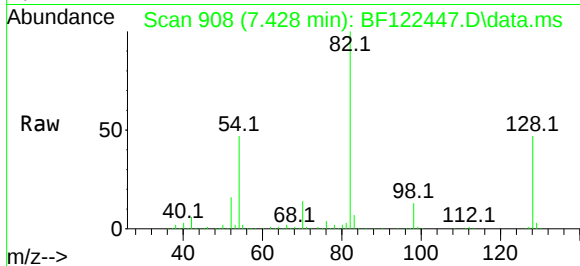




#23
Nitrobenzene-d5
Concen: 86.51 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

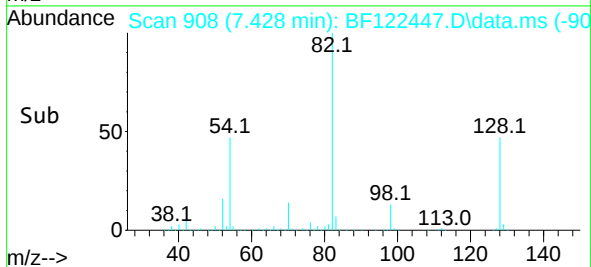
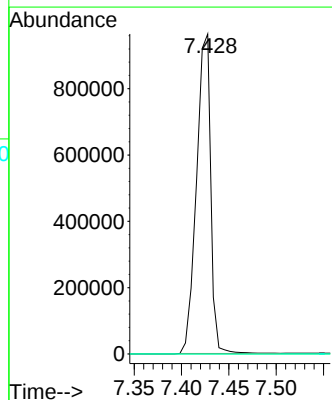
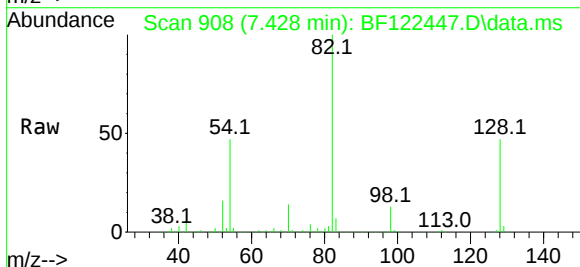
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ClientSampleId :
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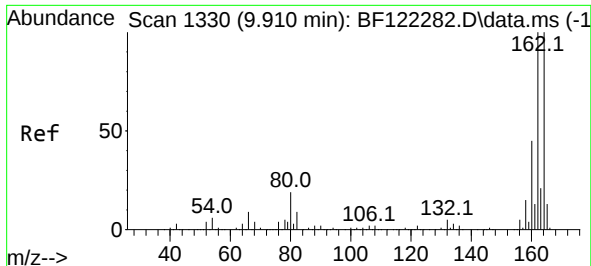
Tgt Ion: 82 Resp: 1019261
Ion Ratio Lower Upper
82 100
128 47.2 35.0 52.4
54 47.1 43.9 65.9



#25
Isophorone
Concen: 38.37 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion: 82 Resp: 1007803
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

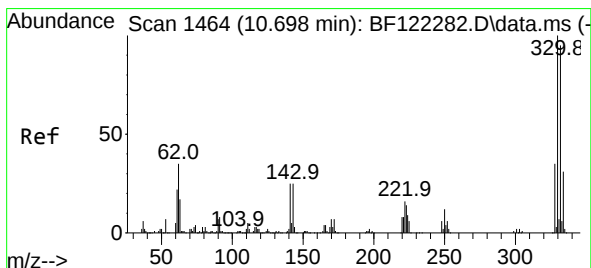
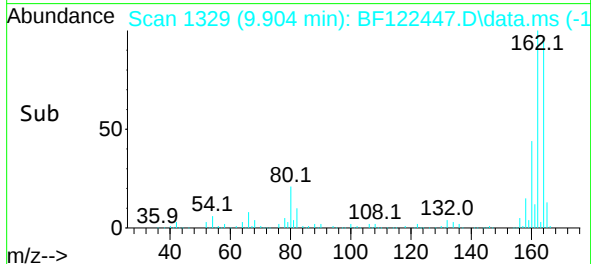
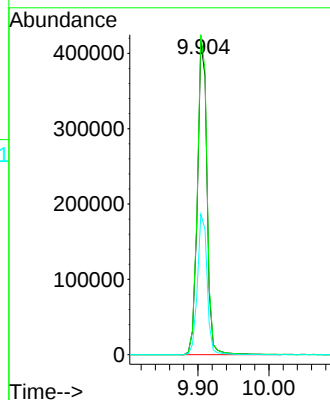
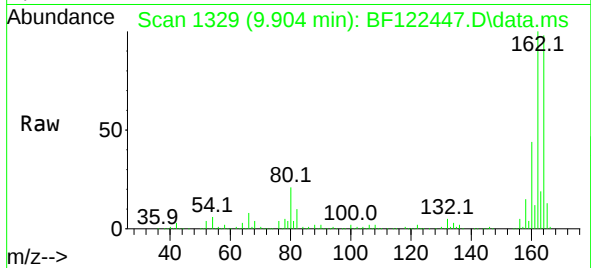




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

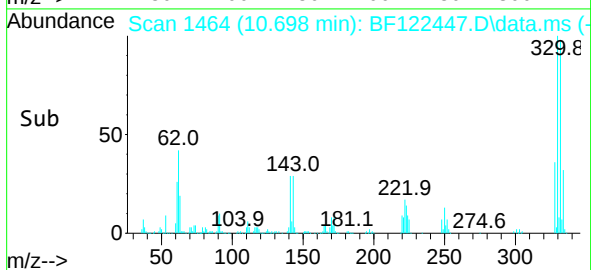
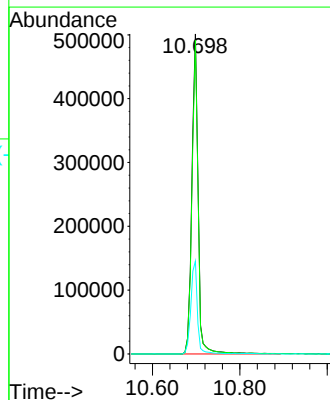
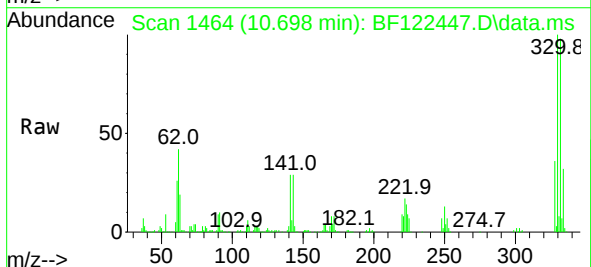
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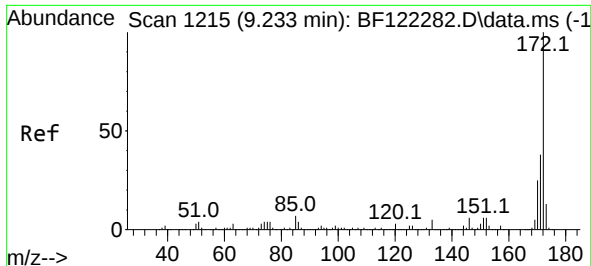
Tgt Ion:164 Resp: 391651
Ion Ratio Lower Upper
164 100
162 102.1 83.2 124.8
160 44.8 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 118.36 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:330 Resp: 497530
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 30.5 22.3 33.5

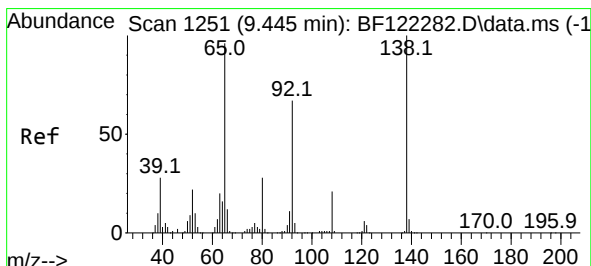
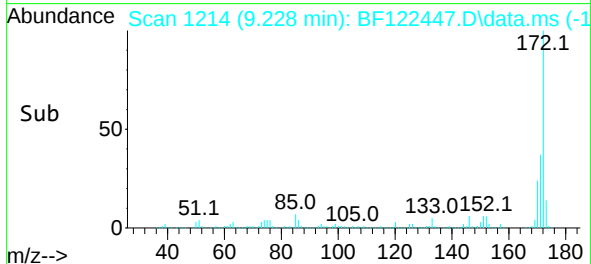
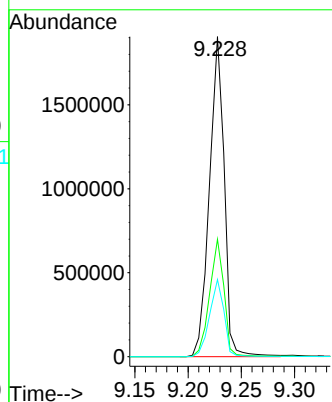
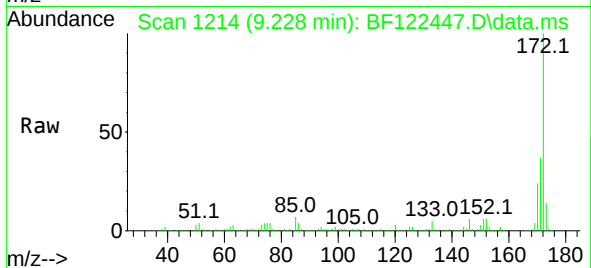




#45
2-Fluorobiphenyl
Concen: 73.79 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

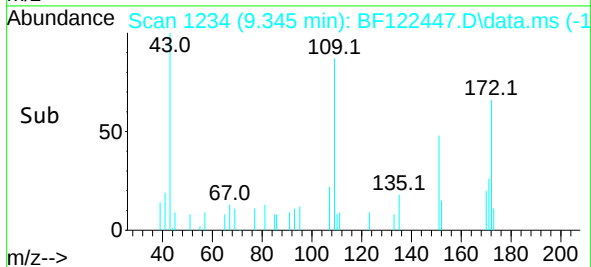
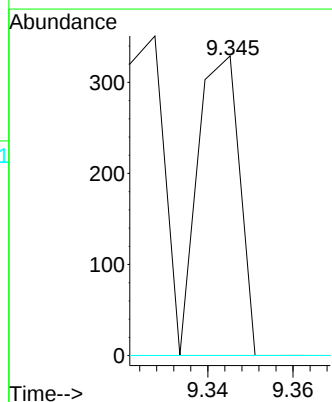
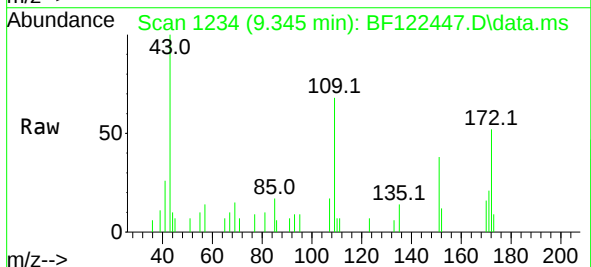
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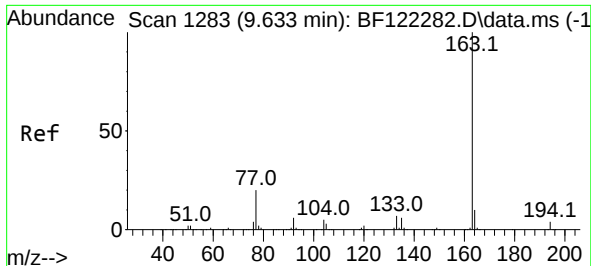
Tgt Ion:172 Resp: 1849721
Ion Ratio Lower Upper
172 100
171 36.7 29.1 43.7
170 24.1 19.8 29.6



#48
2-Nitroaniline
Concen: 5.20 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.112 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion: 65 Resp: 223
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#

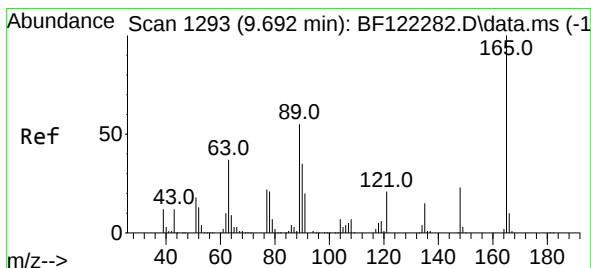
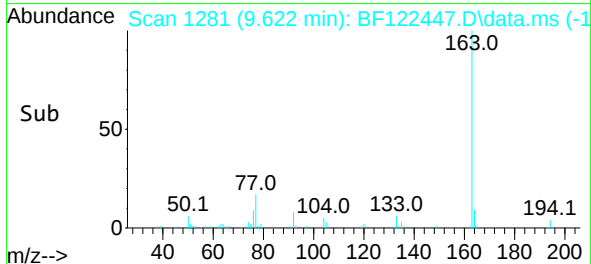
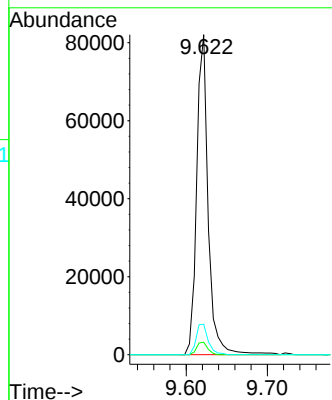
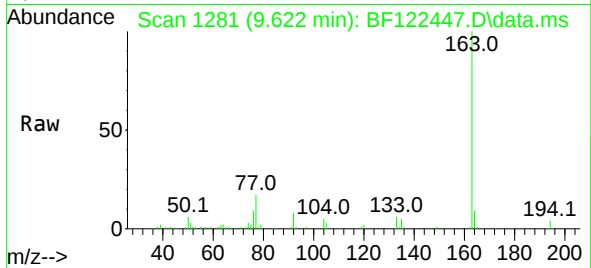




#50
Dimethylphthalate
Concen: 2.91 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.018 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

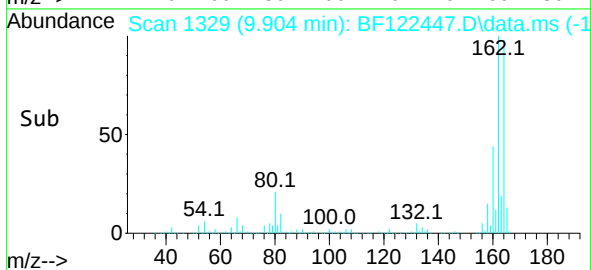
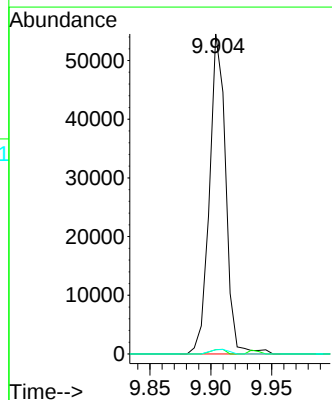
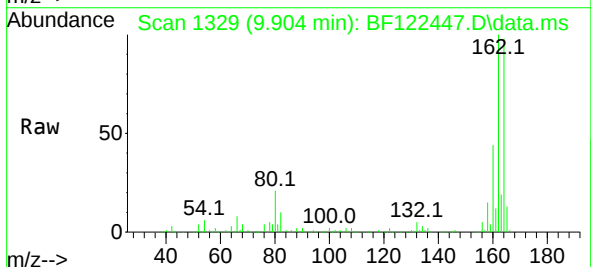
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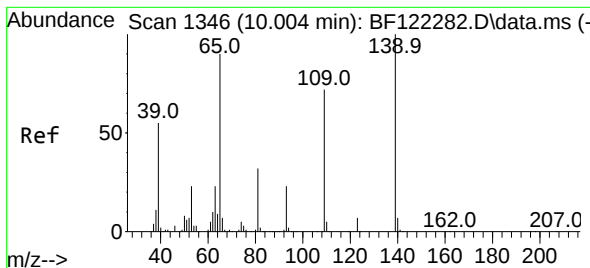
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Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.5 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 11.31 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:165 Resp: 50424
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.3 49.0 73.6#

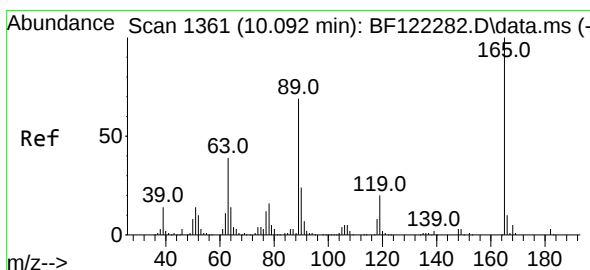
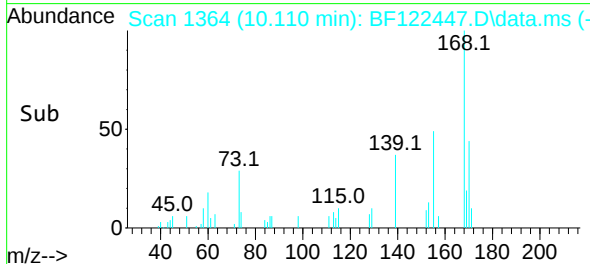
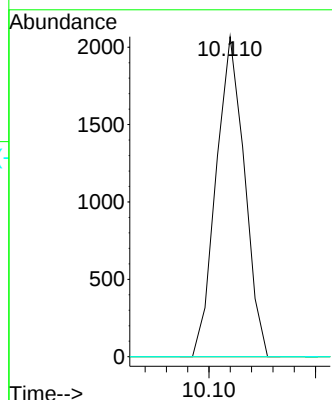
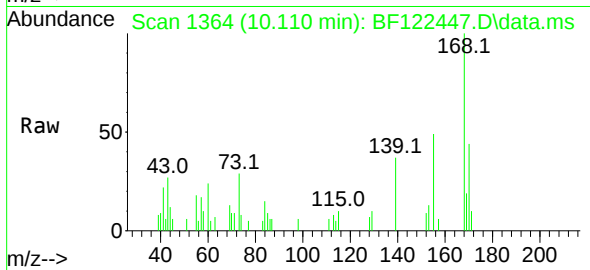




#56
4-Nitrophenol
Concen: 5.70 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.082 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

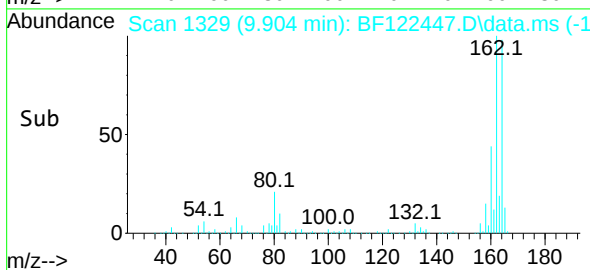
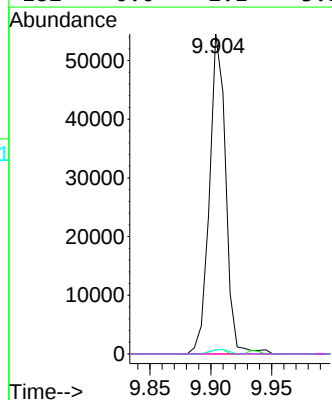
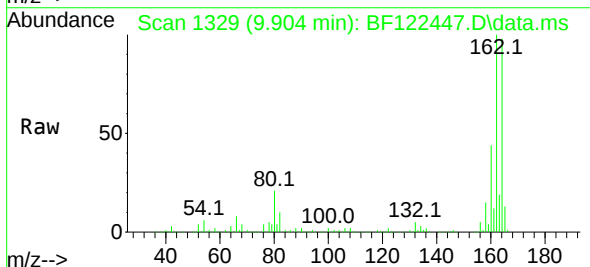
Instrument :
BNA_F
ClientSampleId :
SB-08

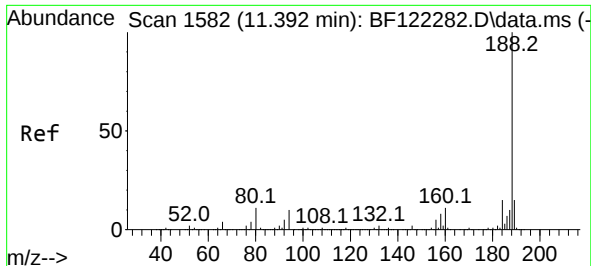
Tgt Ion:139 Resp: 1912
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.54 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:165 Resp: 50424
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#

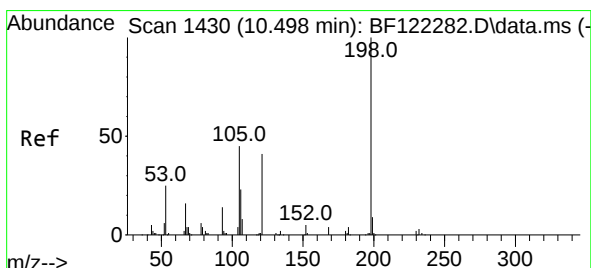
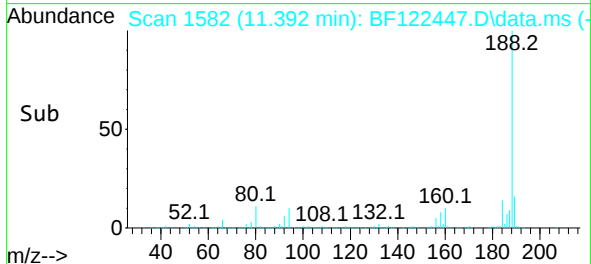
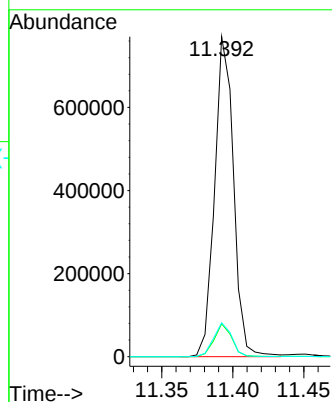
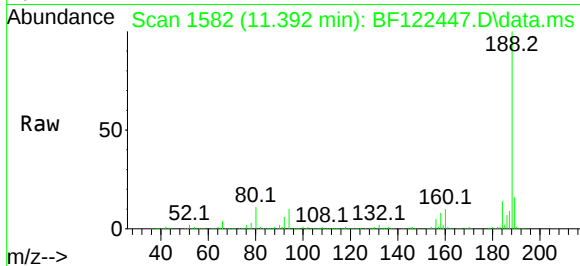




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

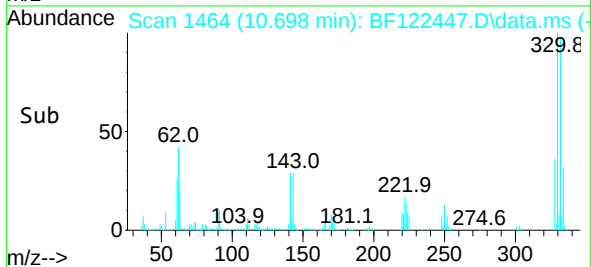
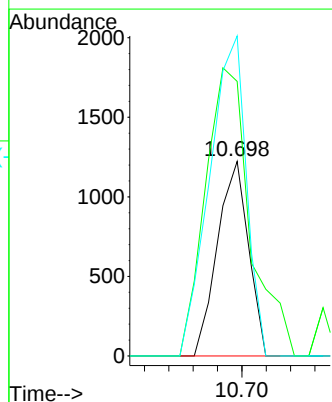
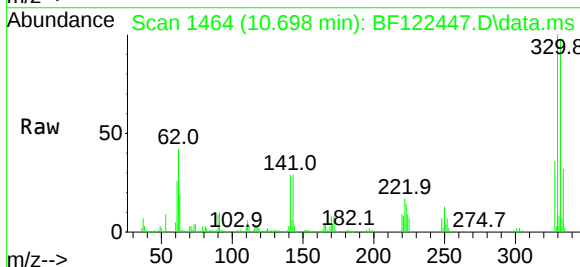
Instrument :
BNA_F
ClientSampleId :
SB-08

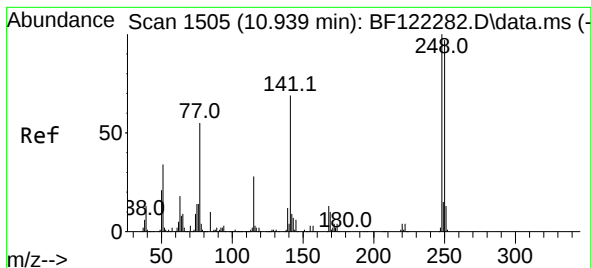
Tgt Ion:188 Resp: 714806
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.6 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.59 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:198 Resp: 1079
Ion Ratio Lower Upper
198 100
51 141.1 29.6 69.6#
105 164.4 24.4 64.4#

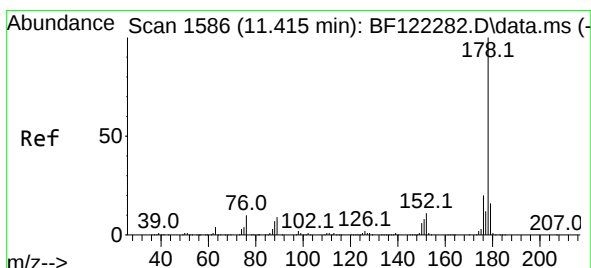
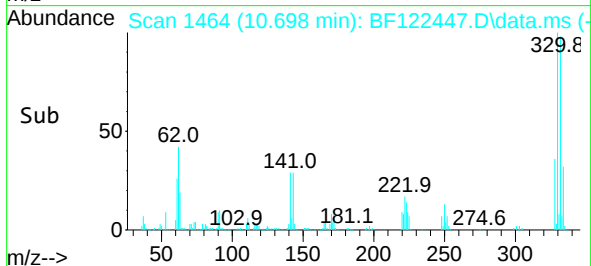
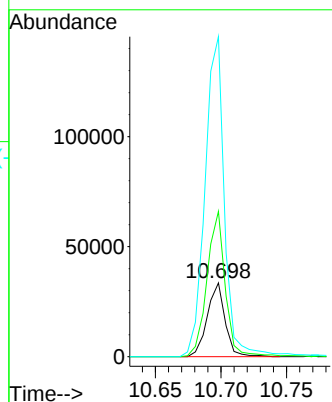
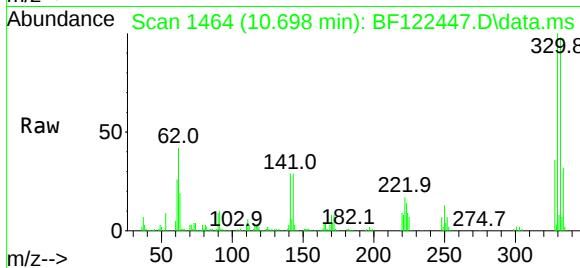




#67
4-Bromophenyl-phenylether
Concen: 3.79 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

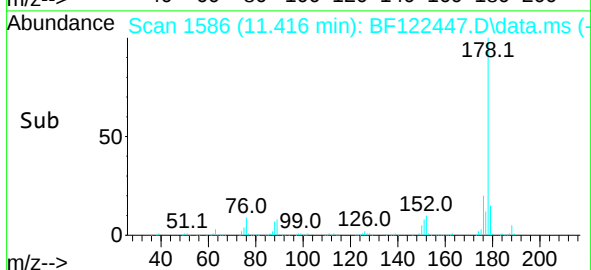
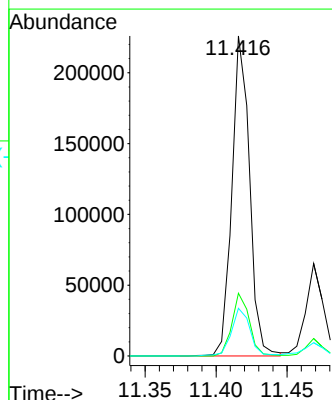
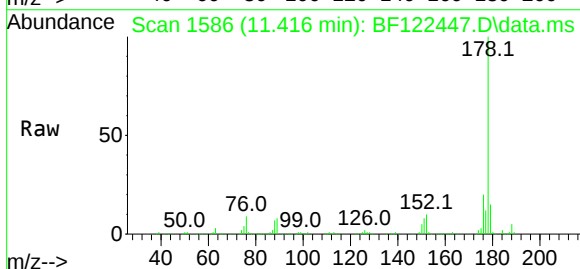
Instrument :
BNA_F
ClientSampled :
SB-08

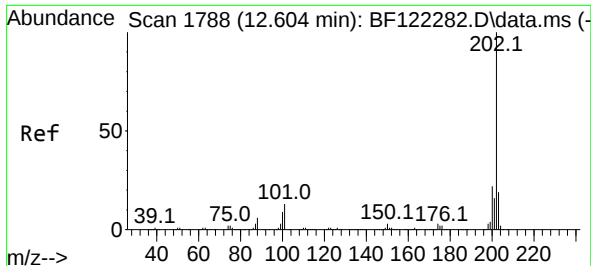
Tgt Ion:248 Resp: 31852
Ion Ratio Lower Upper
248 100
250 197.0 77.0 115.6#
141 433.7 53.7 80.5#



#71
Phenanthrene
Concen: 4.80 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:178 Resp: 194842
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 14.9 12.2 18.4

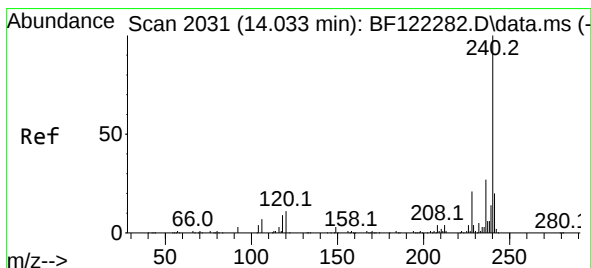
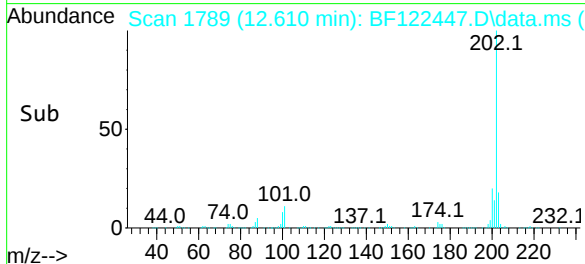
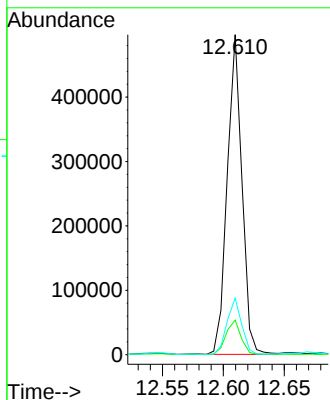
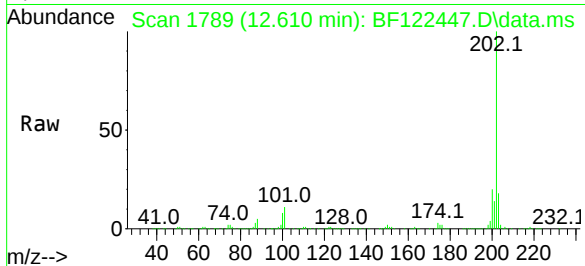




#75
Fluoranthene
Concen: 9.87 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

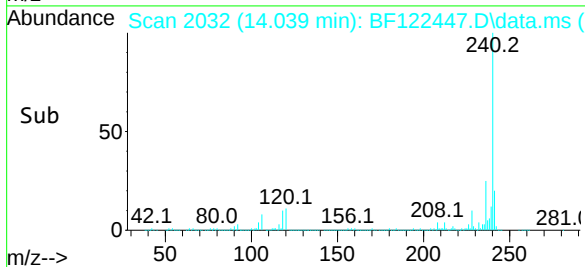
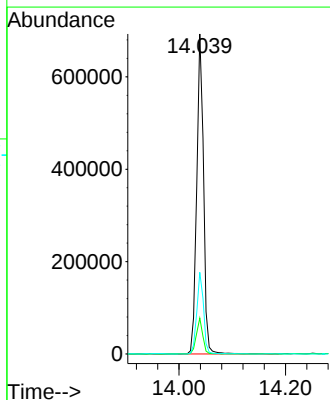
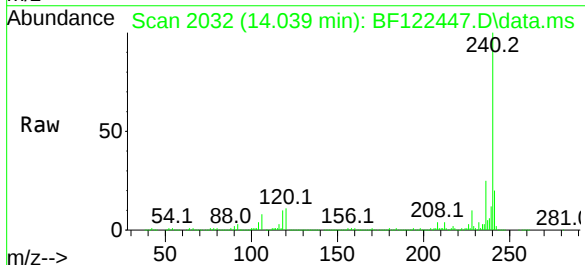
Instrument :
BNA_F
ClientSampleId :
SB-08

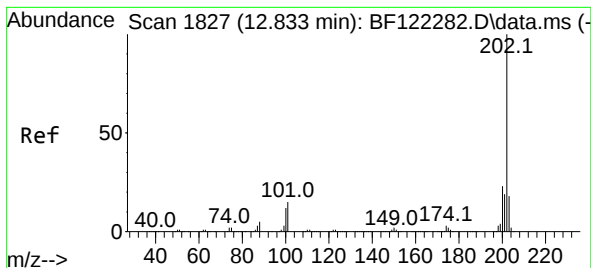
Tgt Ion:202 Resp: 417690
Ion Ratio Lower Upper
202 100
101 10.8 0.0 33.4
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:240 Resp: 616576
Ion Ratio Lower Upper
240 100
120 11.2 9.2 13.8
236 25.5 20.9 31.3





#78

Pyrene

Concen: 10.32 ng

RT: 12.839 min Scan# 1828

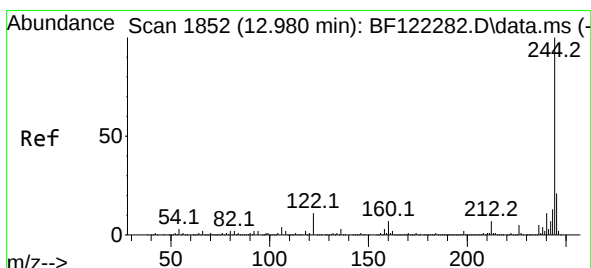
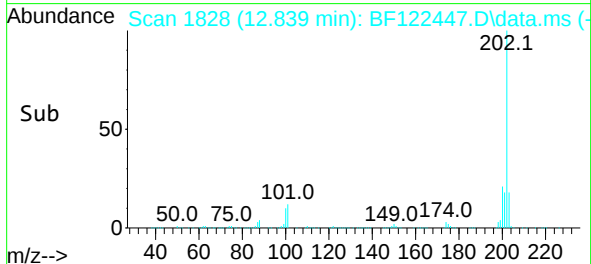
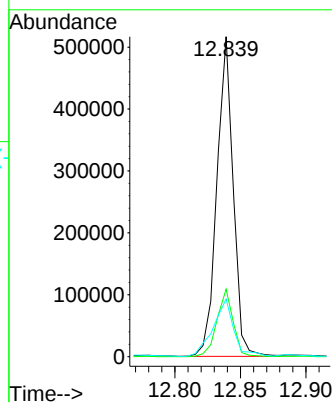
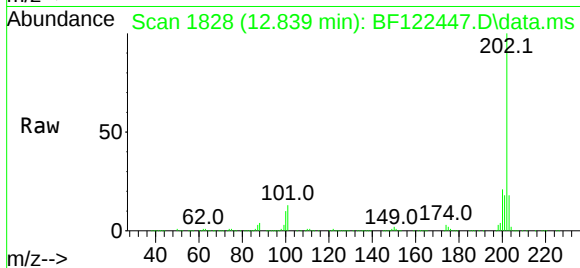
Delta R.T. -0.012 min

Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

Tgt Ion:202 Resp: 447018

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.6	21.8



#79

Terphenyl-d14

Concen: 67.73 ng

RT: 12.986 min Scan# 1853

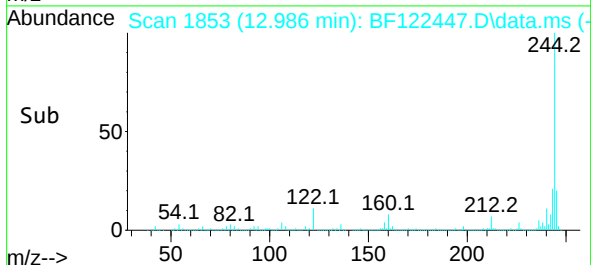
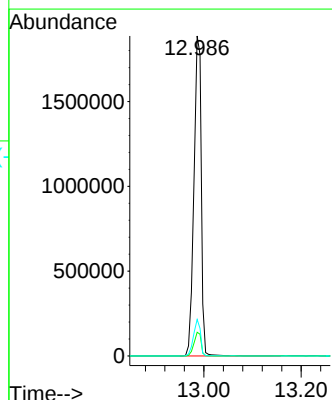
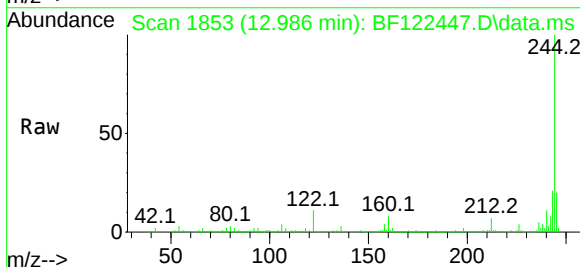
Delta R.T. -0.006 min

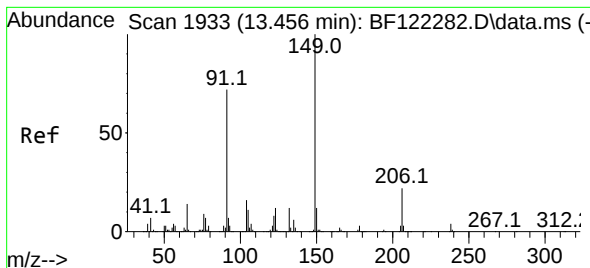
Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

Tgt Ion:244 Resp: 1971262

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	11.4	8.1	12.1

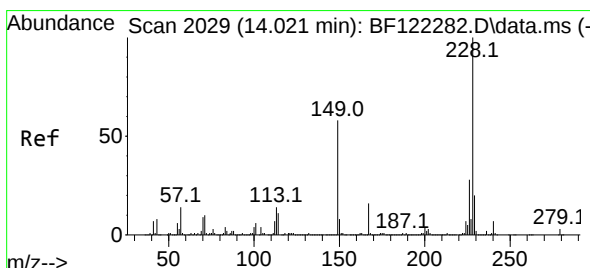
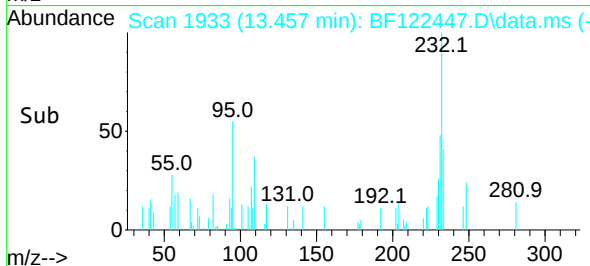
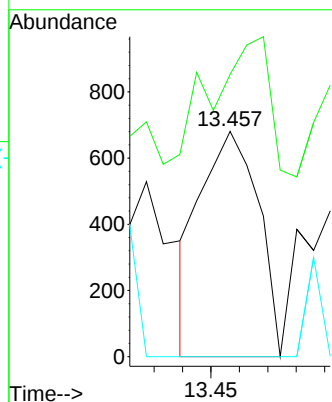
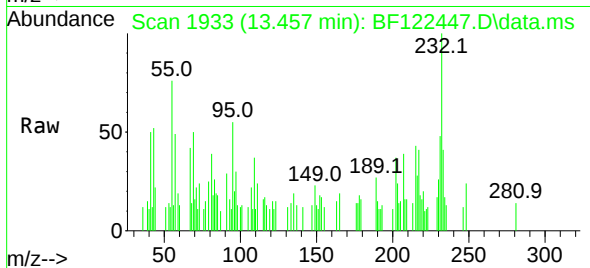




#80
Butylbenzylphthalate
Concen: 3.34 ng
RT: 13.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

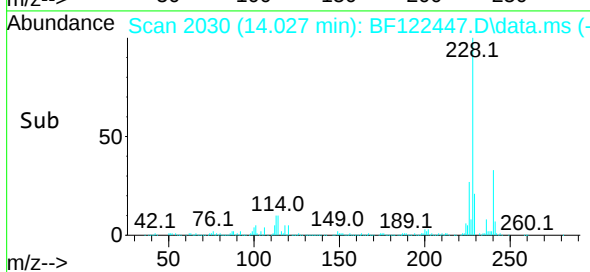
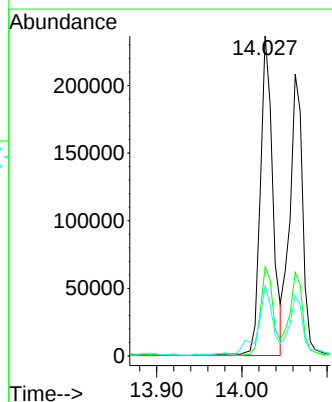
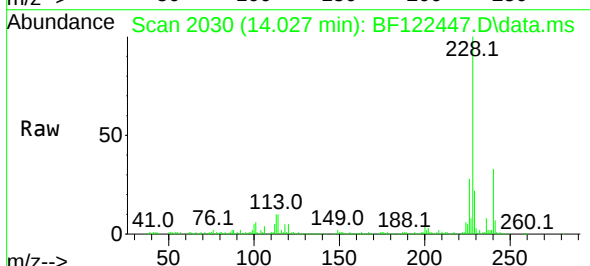
Instrument :
BNA_F
ClientSampled :
SB-08

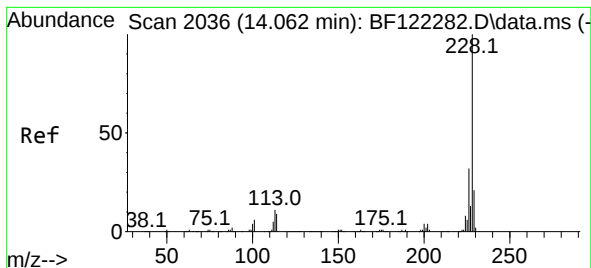
Tgt Ion:	149	Resp:	963
Ion Ratio	Lower	Upper	
149	100		
91	125.3	61.0	91.4#
206	0.0	16.7	25.1#



#81
Benzo(a)anthracene
Concen: 6.29 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

Tgt Ion:	228	Resp:	241008
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.3	33.5
229	21.9	16.2	24.4





#83

Chrysene

Concen: 5.68 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.018 min

Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

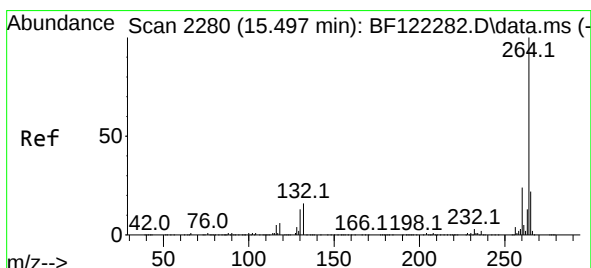
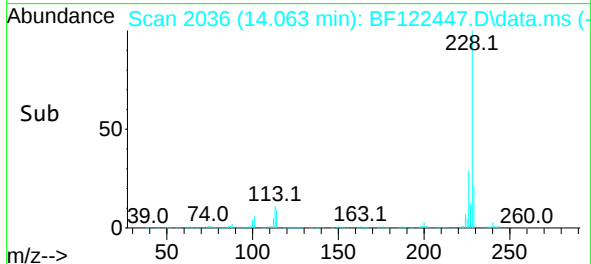
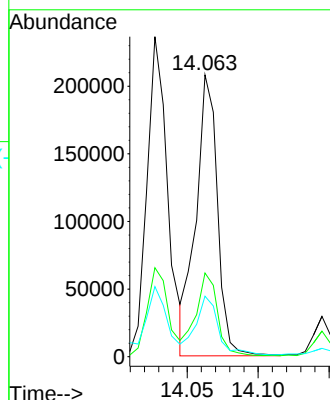
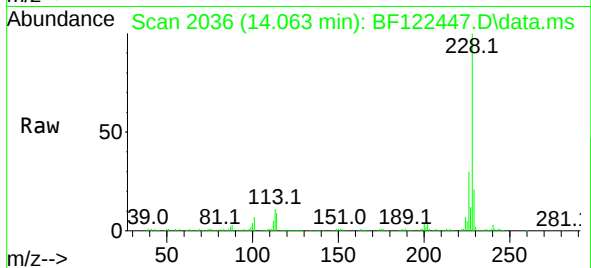
Tgt Ion:228 Resp: 219504

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

229 21.4 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.521 min Scan# 2284

Delta R.T. -0.012 min

Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

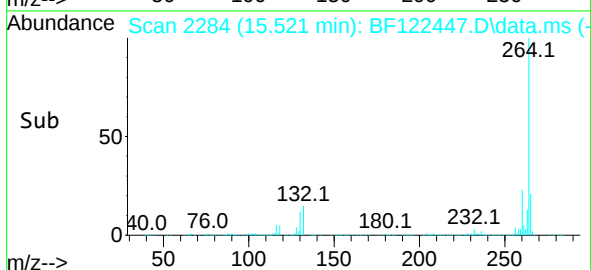
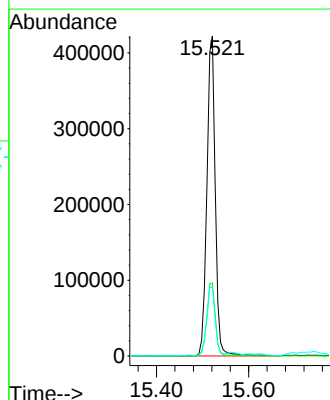
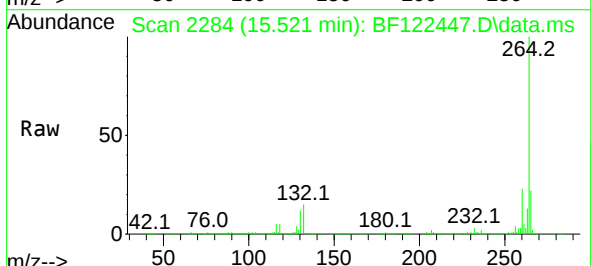
Tgt Ion:264 Resp: 540380

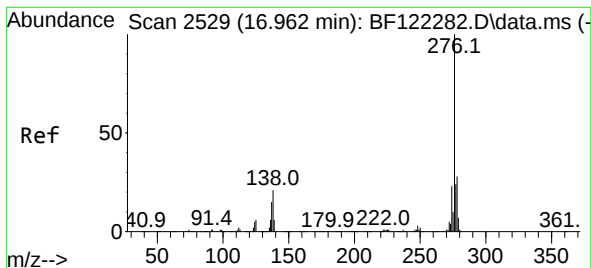
Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.11 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.035 min

Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

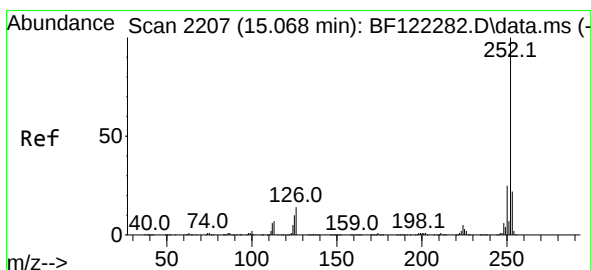
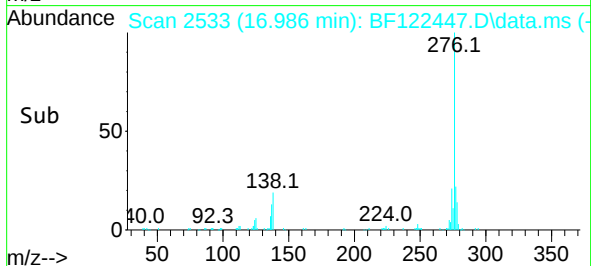
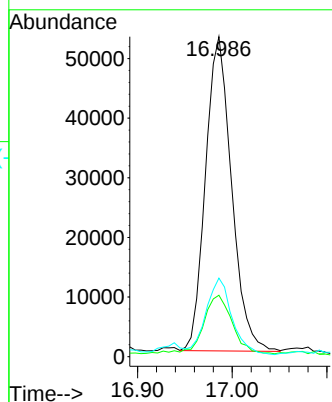
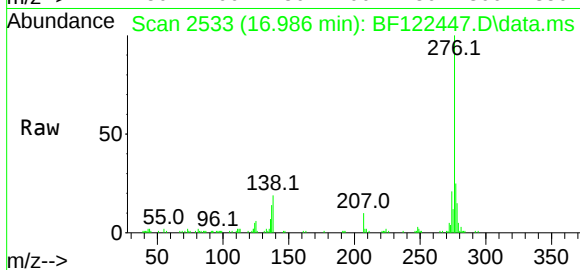
Instrument :

BNA_F

ClientSampled :

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Tgt Ion:	276	Resp:	100975
Ion Ratio	Lower	Upper	
276	100		
138	24.5	19.9	29.9
277	24.7	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 8.84 ng

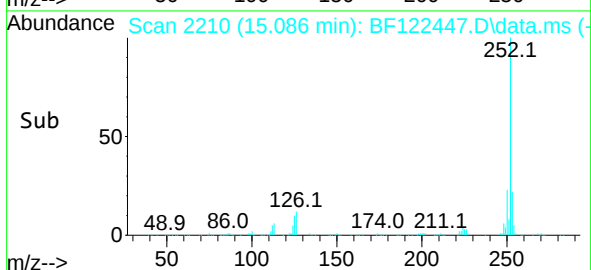
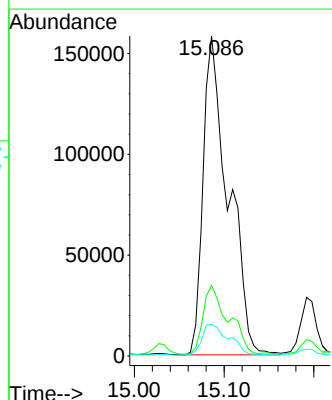
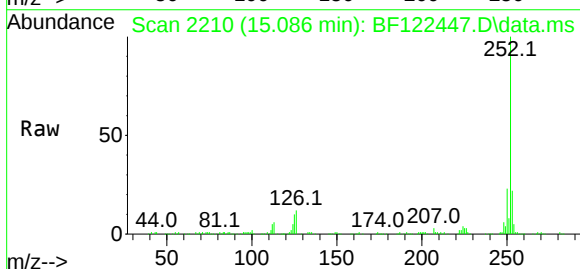
RT: 15.086 min Scan# 2210

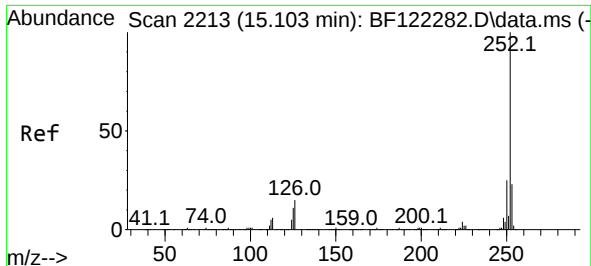
Delta R.T. -0.012 min

Lab File: BF122447.D

Acq: 23 Nov 2020 15:11

Tgt Ion:	252	Resp:	309226
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.2
125	9.9	8.0	12.0

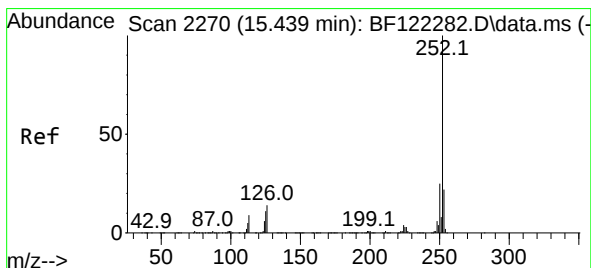
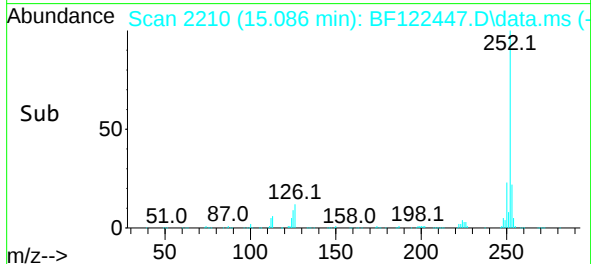
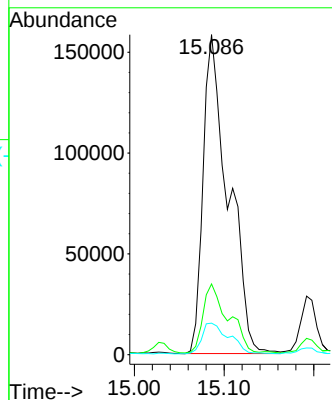
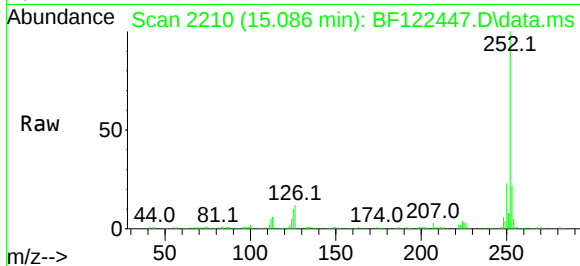




#89
Benzo(k)fluoranthene
Concen: 9.06 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.047 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

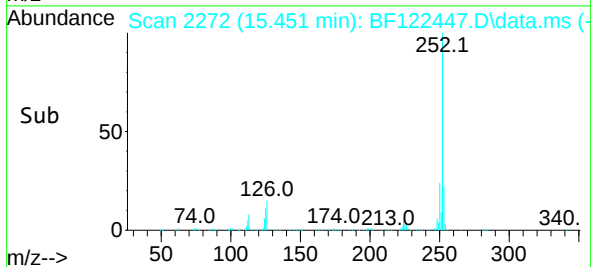
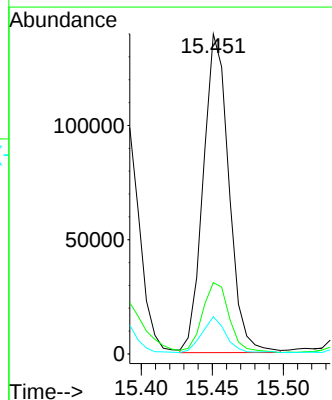
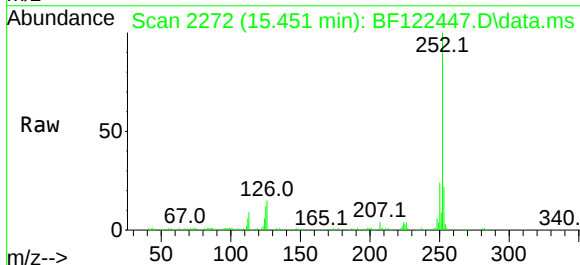
Instrument :
BNA_F
ClientSampleId :
SB-08

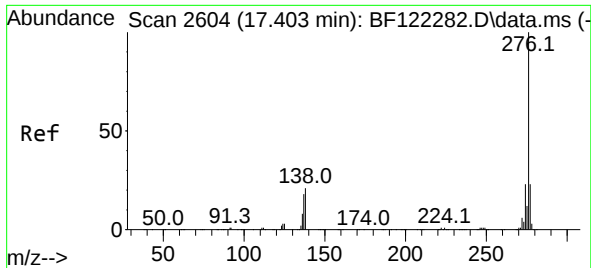
Tgt Ion:252 Resp: 309226
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.9 7.7 11.5



#90
Benzo(a)pyrene
Concen: 5.74 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF122447.D
Acq: 23 Nov 2020 15:11

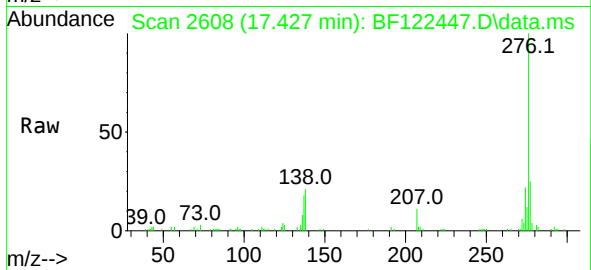
Tgt Ion:252 Resp: 175261
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 11.7 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.04 ng
 RT: 17.427 min Scan# 2608
 Delta R.T. -0.041 min
 Lab File: BF122447.D
 Acq: 23 Nov 2020 15:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-08



Tgt Ion:	276	Resp:	106820
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	20.9	17.8	26.6

