

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126028.D
 Acq On : 3 Nov 2021 19:52
 Operator : JU/CG
 Sample : M4411-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:11:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

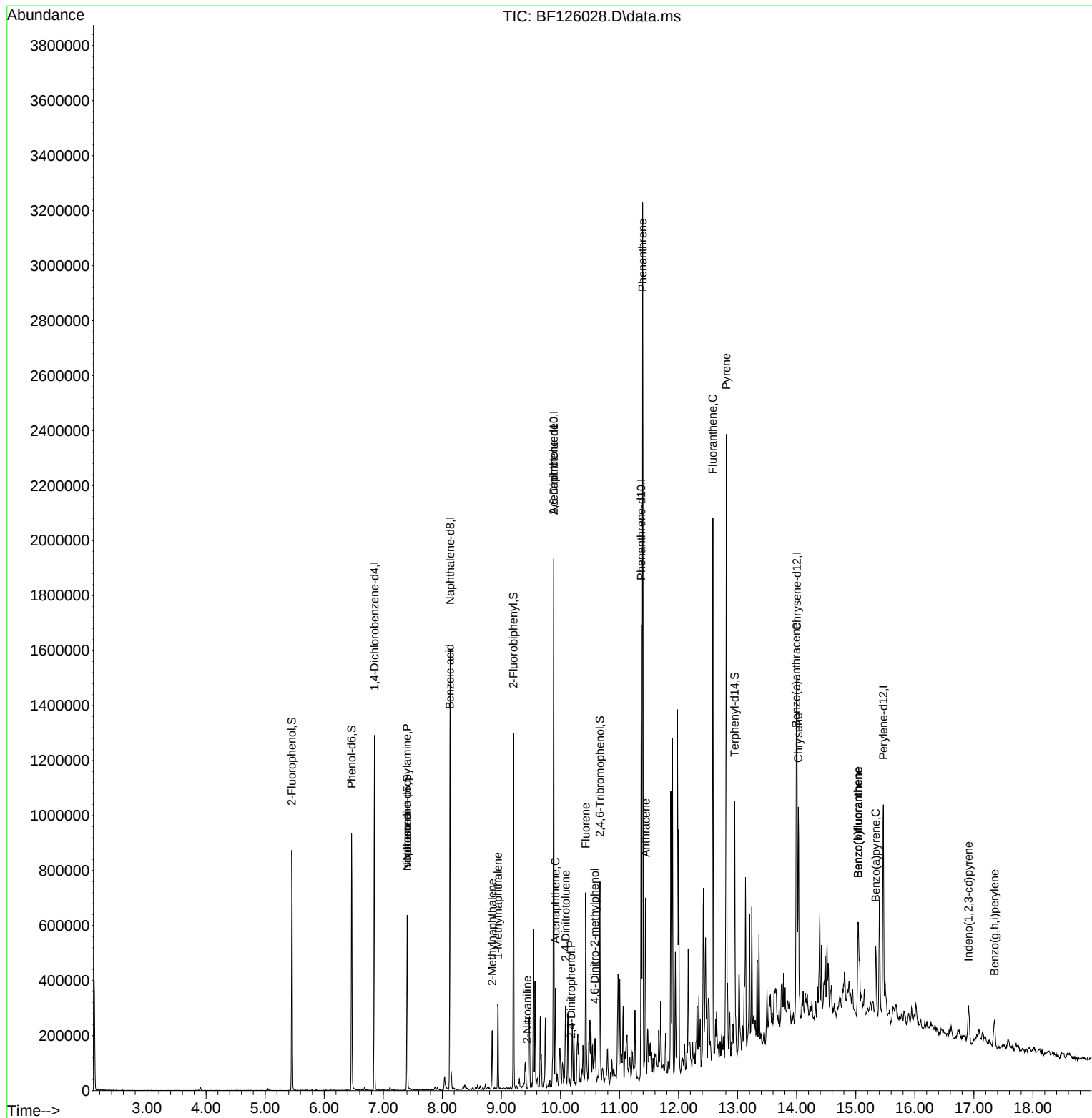
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	156995	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	583728	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	341743	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	543689	20.000	ng	0.00
76) Chrysene-d12	14.004	240	334716	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	348071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	172670	18.887	ng	-0.01
7) Phenol-d6	6.463	99	234372	18.186	ng	-0.02
23) Nitrobenzene-d5	7.404	82	164998	13.330	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	59384	15.163	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	319162	12.621	ng	-0.01
79) Terphenyl-d14	12.951	244	244776	11.792	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.463	77	403	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	24350	2.866	ng	# 67
25) Isophorone	7.404	82	164727	7.392	ng	# 59
32) Benzoic acid	8.128	122	135	9.164	ng	# 1
37) 2-Methylnaphthalene	8.845	142	46061	2.206	ng	97
38) 1-Methylnaphthalene	8.939	142	72156	3.567	ng	98
48) 2-Nitroaniline	9.439	65	127	2.867	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	48729	11.426	ng	# 29
52) Acenaphthene	9.916	154	58574	2.954	ng	94
54) 2,4-Dinitrophenol	10.180	184	140	6.804	ng	# 51
57) 2,4-Dinitrotoluene	10.086	165	2019	3.472	ng	# 3
58) Fluorene	10.428	166	154711	6.455	ng	96
65) 4,6-Dinitro-2-methylph...	10.580	198	110	8.352	ng	# 1
71) Phenanthrene	11.392	178	1054983	35.781	ng	98
72) Anthracene	11.445	178	244189	8.295	ng	98
75) Fluoranthene	12.580	202	636392	19.383	ng	93
78) Pyrene	12.810	202	885328	32.982	ng	97
81) Benzo(a)anthracene	13.992	228	299382	13.020	ng	94
83) Chrysene	14.027	228	291834	13.640	ng	95
87) Indeno(1,2,3-cd)pyrene	16.909	276	81309	3.947	ng	# 83
88) Benzo(b)fluoranthene	15.039	252	270074	11.929	ng	# 92
89) Benzo(k)fluoranthene	15.039	252	270074	12.297	ng	97
90) Benzo(a)pyrene	15.339	252	111808	6.268	ng	97
92) Benzo(g,h,i)perylene	17.351	276	78804	4.856	ng	# 84

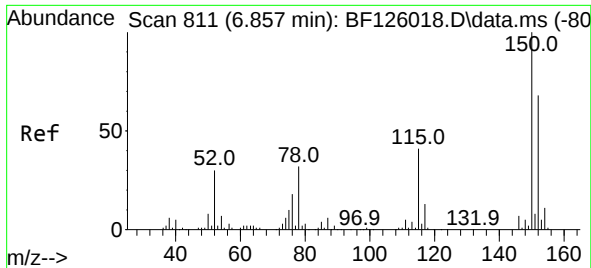
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

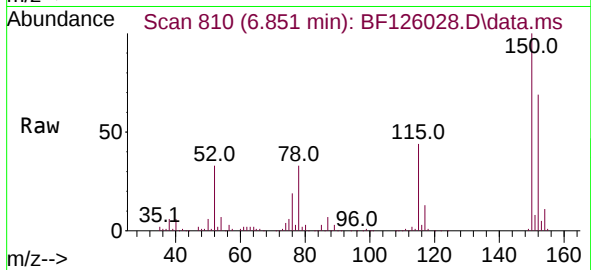
Quant Time: Nov 04 10:11:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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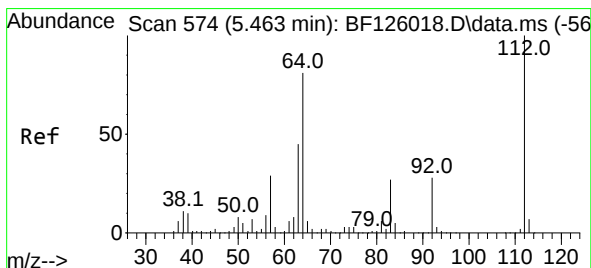
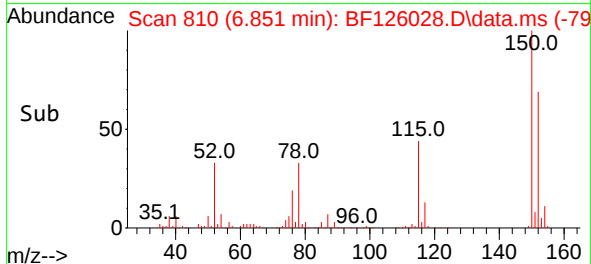
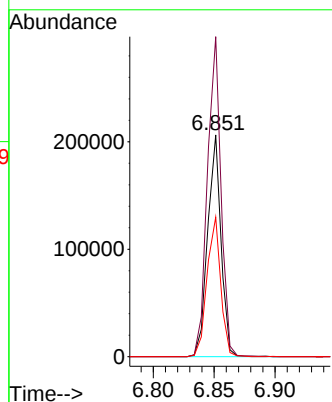


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :
BNA_F
ClientSampleId :

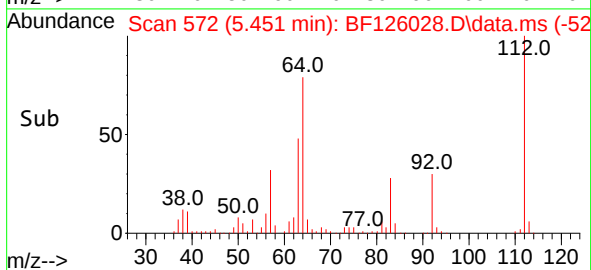
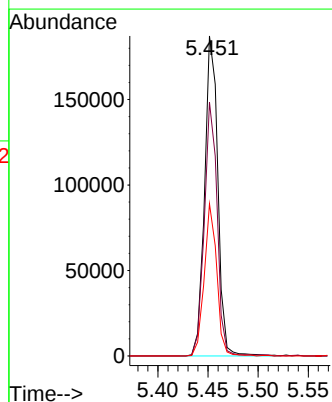
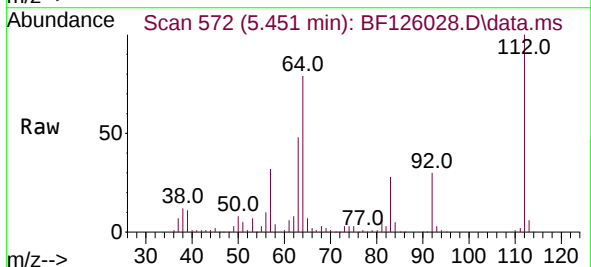


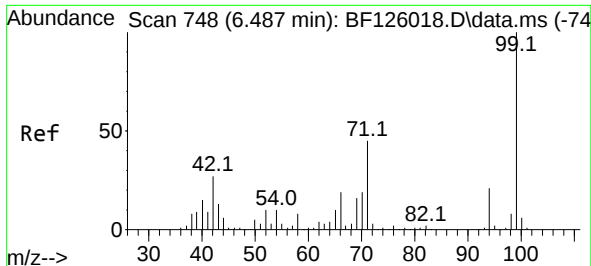
Tgt Ion:152 Resp: 156995
Ion Ratio Lower Upper
152 100
150 144.3 117.6 176.4
115 62.9 47.1 70.7



#5
2-Fluorophenol
Concen: 18.887 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

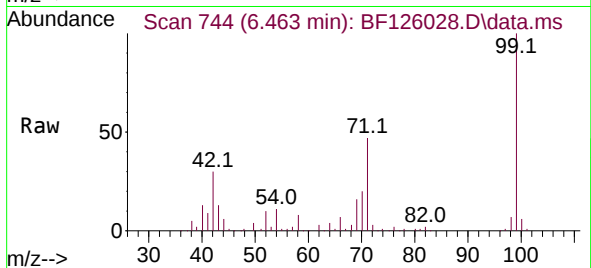
Tgt Ion:112 Resp: 172670
Ion Ratio Lower Upper
112 100
64 79.3 44.2 66.2#
63 47.6 26.2 39.2#



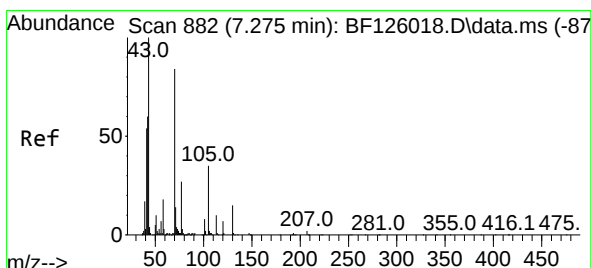
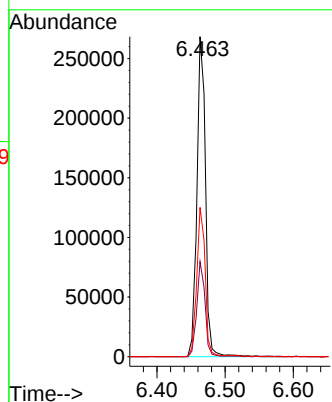
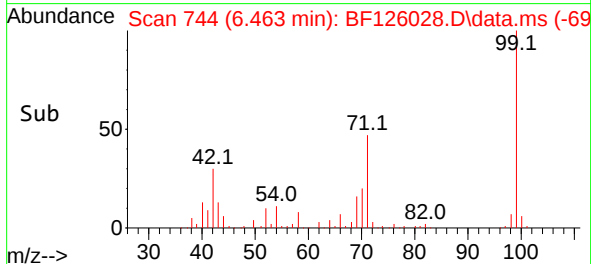


#7
Phenol-d6
Concen: 18.186 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

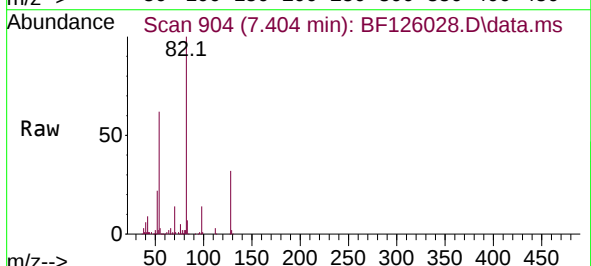
Instrument :
BNA_F
ClientSampleId :



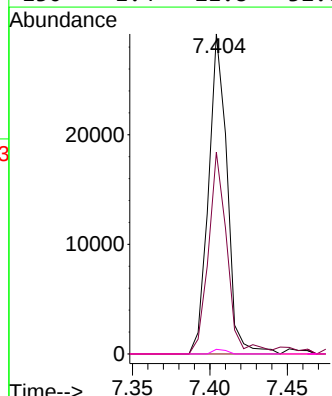
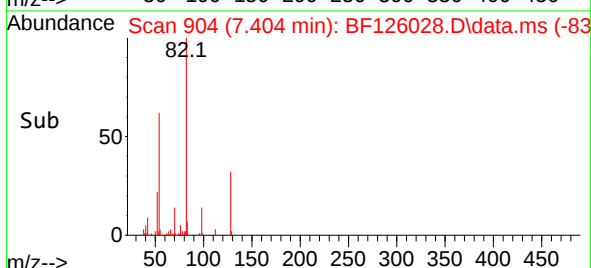
Tgt Ion: 99 Resp: 234372
Ion Ratio Lower Upper
99 100
42 29.7 23.5 35.3
71 46.7 25.6 38.4#

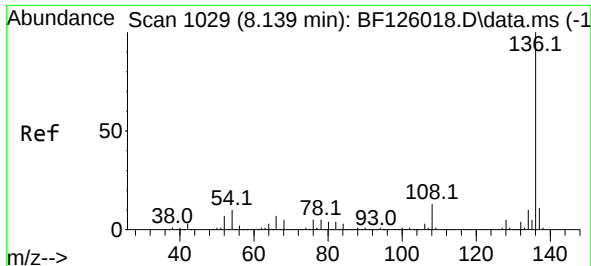


#19
n-Nitroso-di-n-propylamine
Concen: 2.866 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



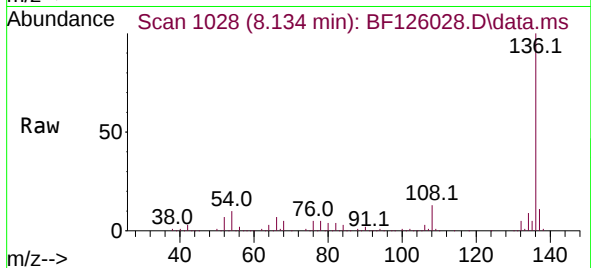
Tgt Ion: 70 Resp: 24350
Ion Ratio Lower Upper
70 100
42 63.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#



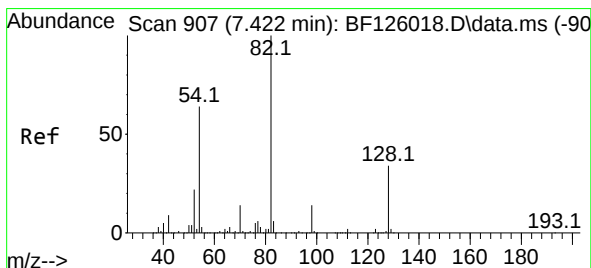
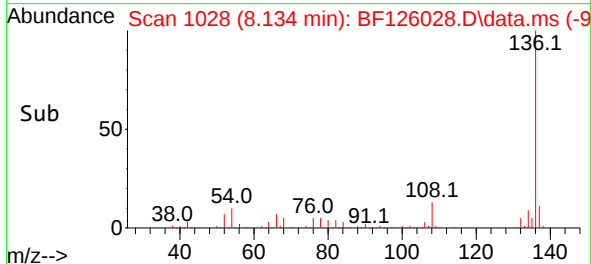
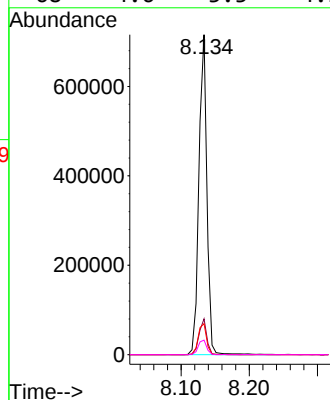


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :
BNA_F
ClientSampleId :

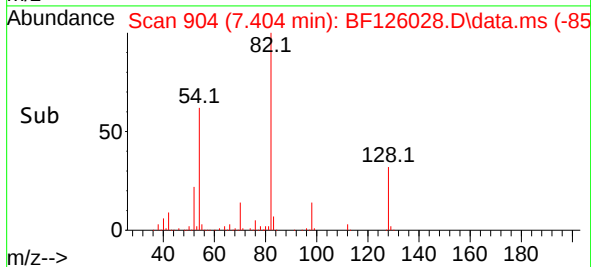
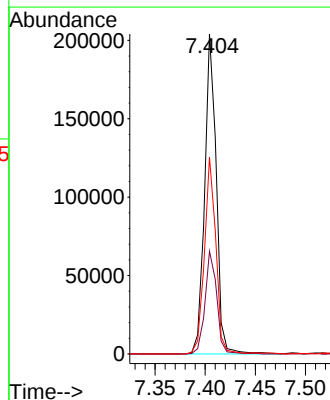
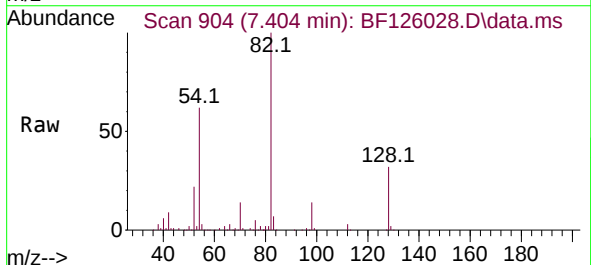


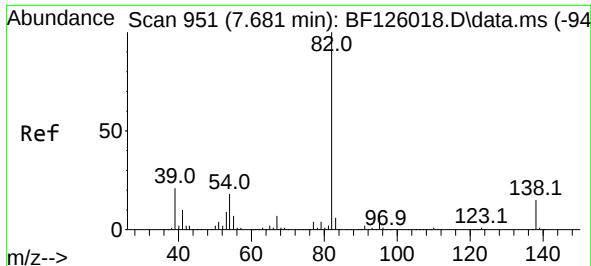
Tgt Ion:136 Resp: 583728
Ion Ratio Lower Upper
136 100
137 11.2 9.8 14.6
54 9.7 6.4 9.6#
68 4.6 3.3 4.9



#23
Nitrobenzene-d5
Concen: 13.330 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion: 82 Resp: 164998
Ion Ratio Lower Upper
82 100
128 32.2 40.6 60.8#
54 61.6 49.6 74.4

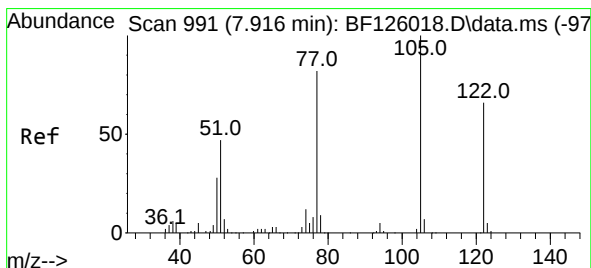
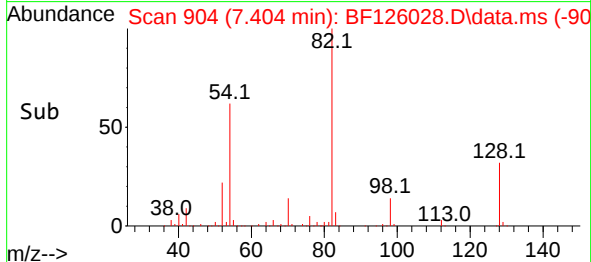
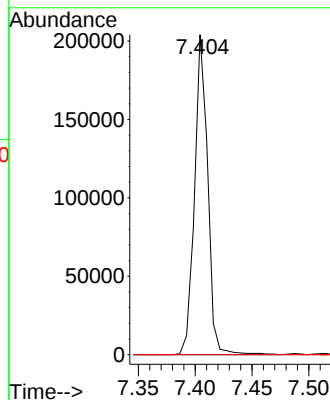
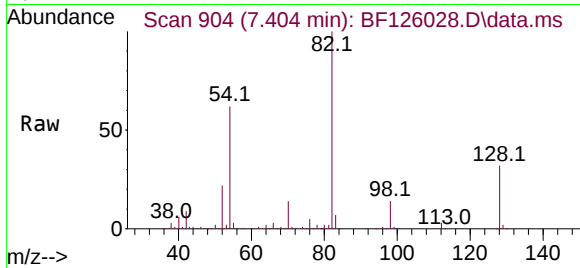




#25
Isophorone
Concen: 7.392 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

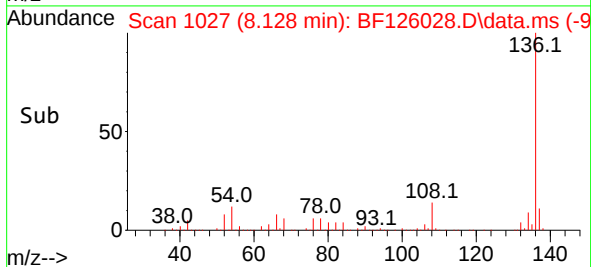
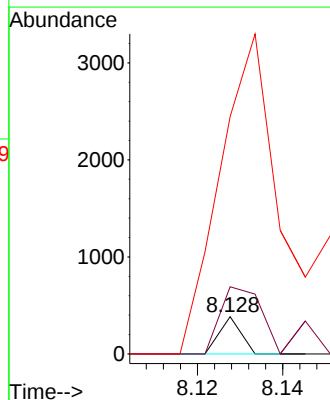
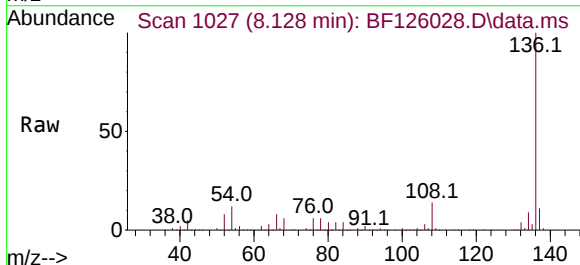
Instrument :
BNA_F
ClientSampleId :

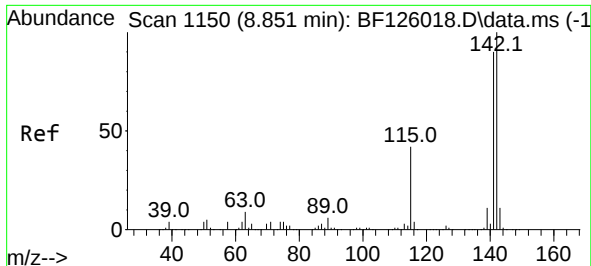
Tgt Ion: 82 Resp: 164727
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.164 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.212 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 180.2 97.6 137.6#
77 636.7 59.6 99.6#





#37

2-Methylnaphthalene

Concen: 2.206 ng

RT: 8.845 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

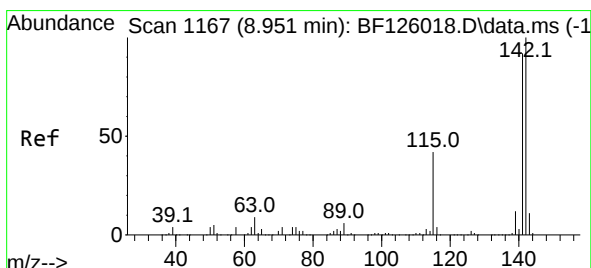
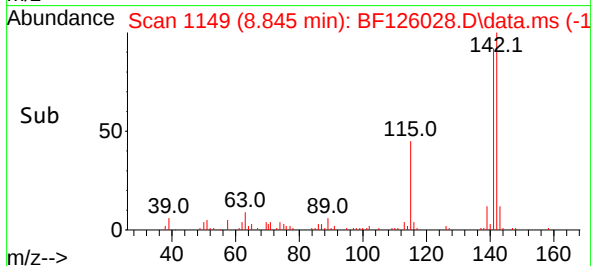
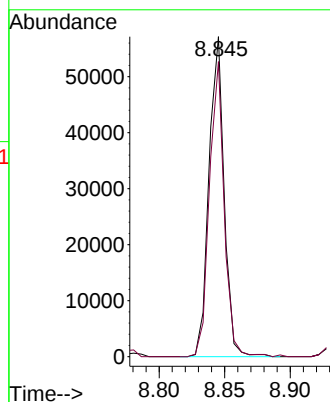
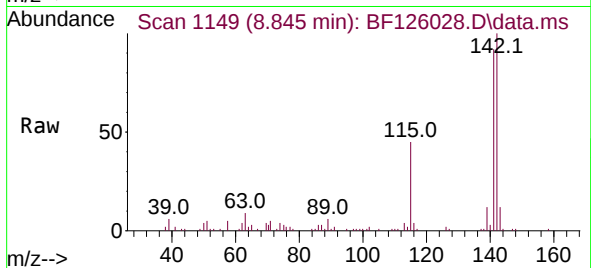
ClientSampleId :

Tgt Ion:142 Resp: 46061

Ion Ratio Lower Upper

142 100

141 92.2 71.2 106.8



#38

1-Methylnaphthalene

Concen: 3.567 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF126028.D

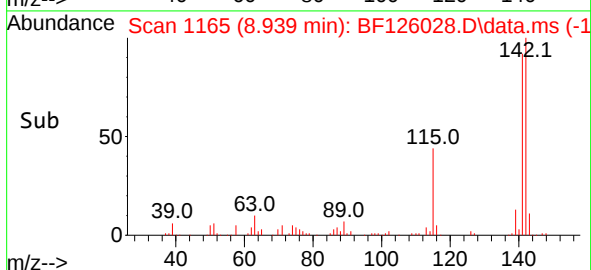
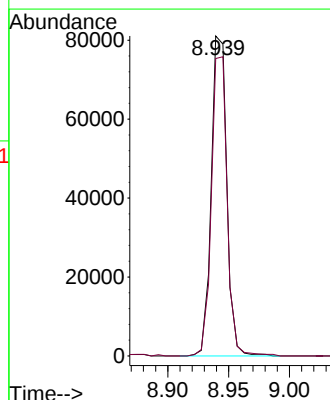
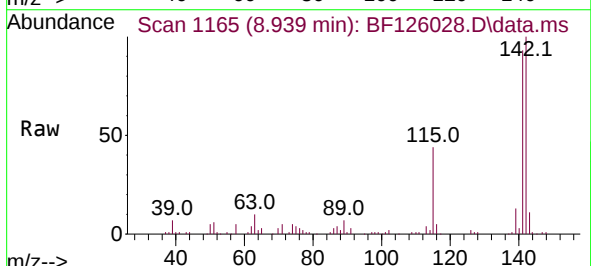
Acq: 3 Nov 2021 19:52

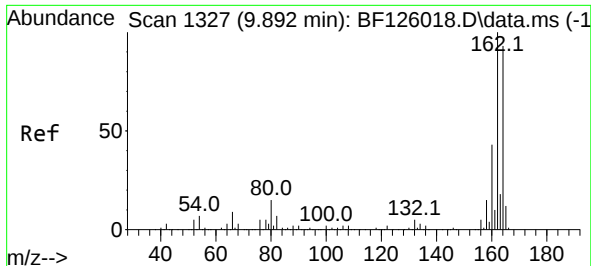
Tgt Ion:142 Resp: 72156

Ion Ratio Lower Upper

142 100

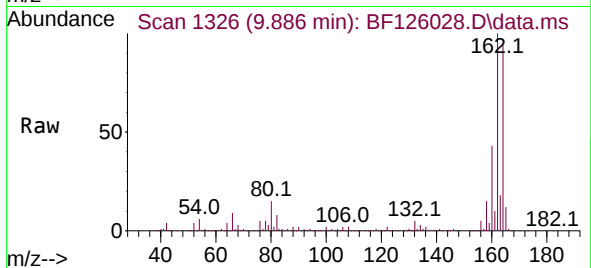
141 93.0 76.0 114.0



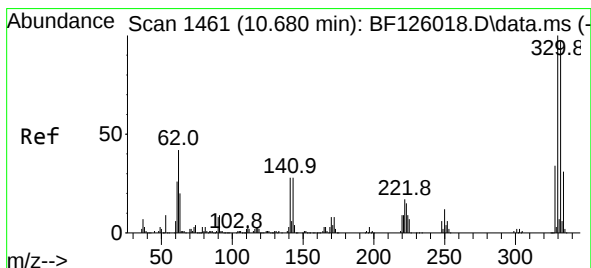
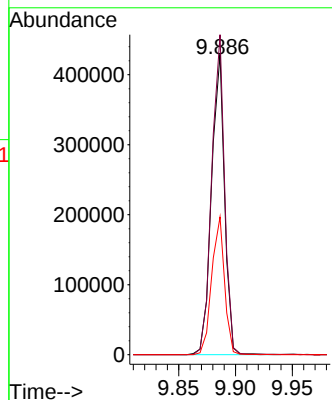
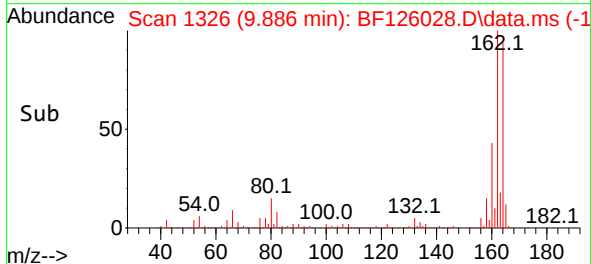


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

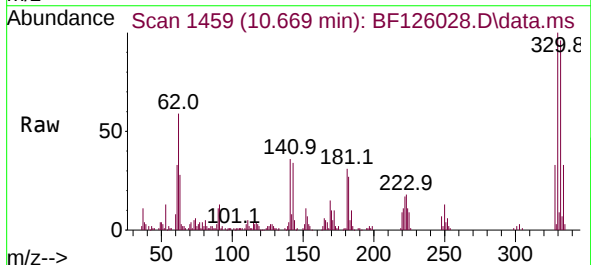
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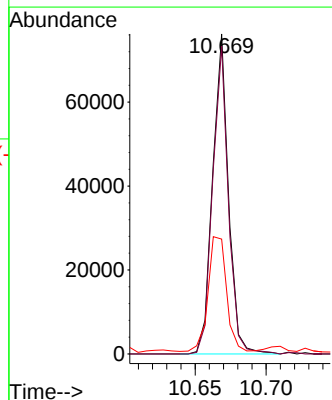
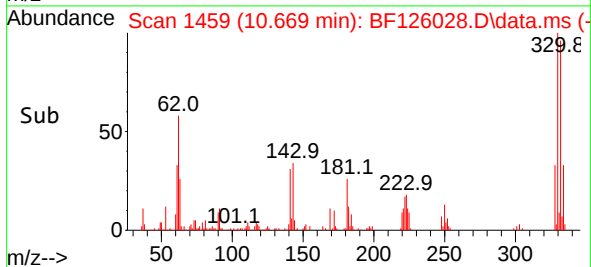
Tgt Ion:164 Resp: 341743
Ion Ratio Lower Upper
164 100
162 106.5 81.3 121.9
160 45.8 38.0 57.0

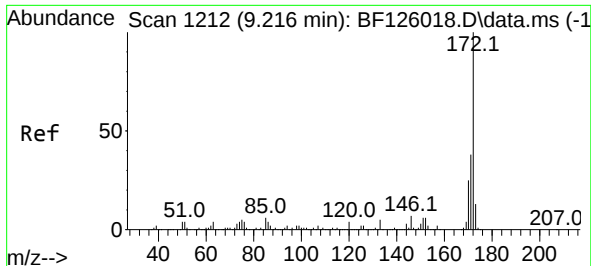


#42
2,4,6-Tribromophenol
Concen: 15.163 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



Tgt Ion:330 Resp: 59384
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 41.5 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 12.621 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.012 min

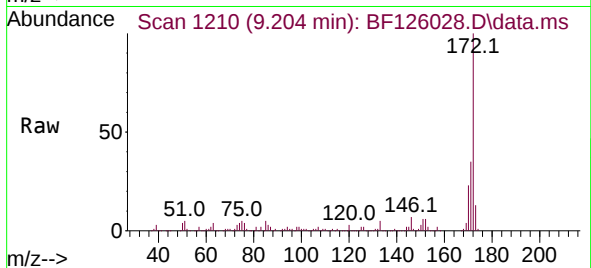
Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :



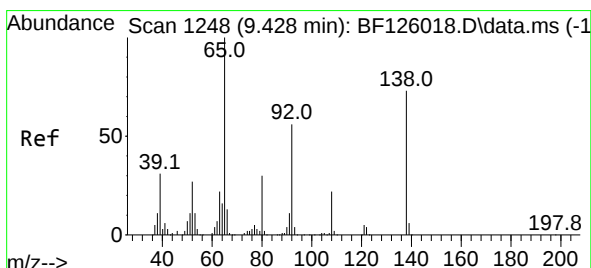
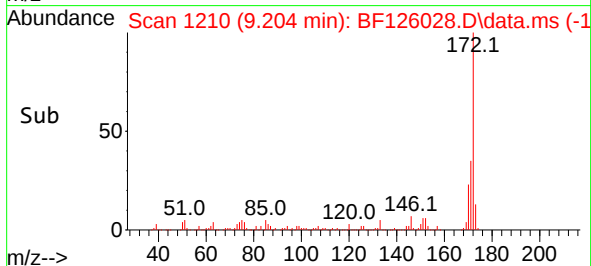
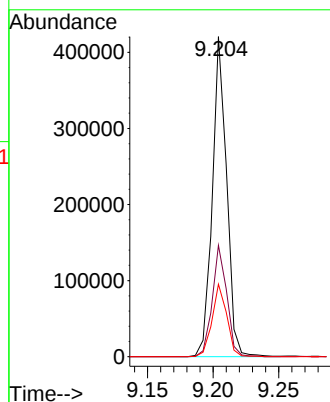
Tgt Ion:172 Resp: 319162

Ion Ratio Lower Upper

172 100

171 34.8 26.5 39.7

170 22.6 18.8 28.2



#48

2-Nitroaniline

Concen: 2.867 ng

RT: 9.439 min Scan# 1250

Delta R.T. 0.011 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

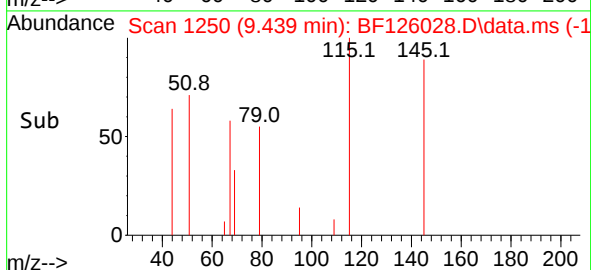
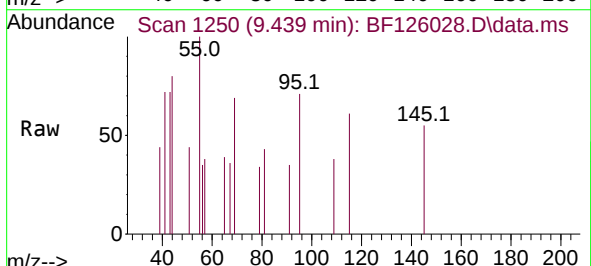
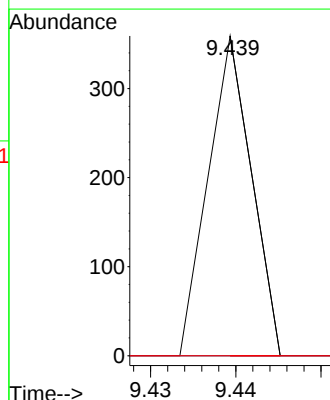
Tgt Ion: 65 Resp: 127

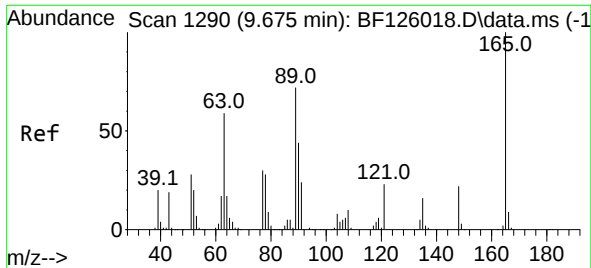
Ion Ratio Lower Upper

65 100

92 0.0 55.5 83.3#

138 0.0 93.5 140.3#

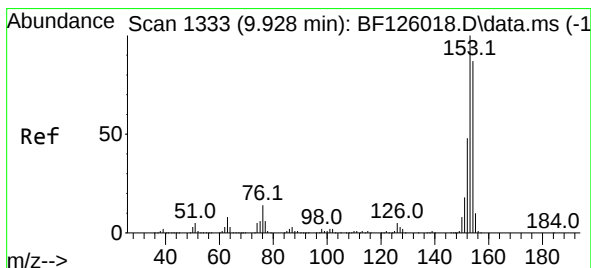
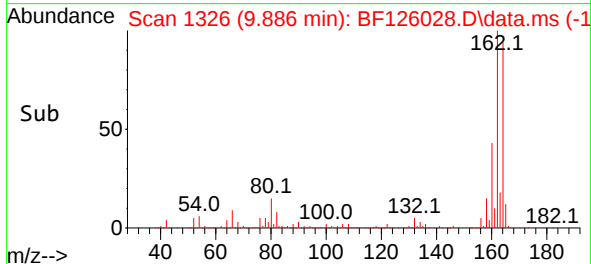
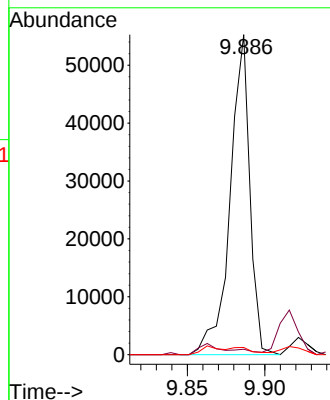
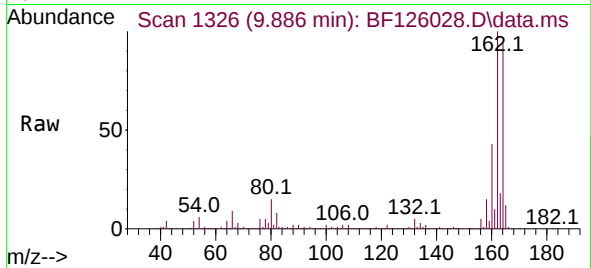




#51
2,6-Dinitrotoluene
Concen: 11.426 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

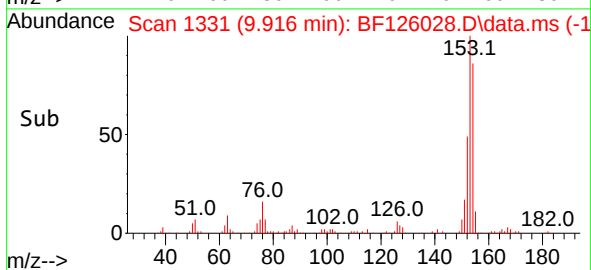
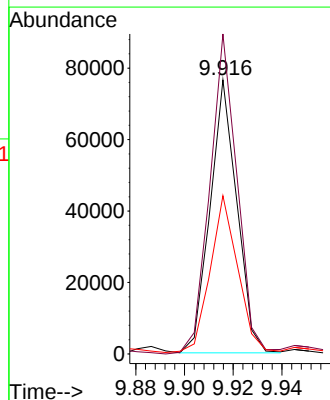
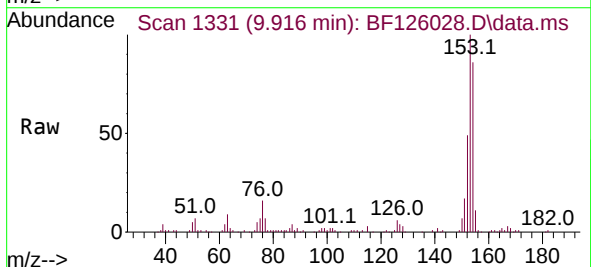
Instrument :
BNA_F
ClientSampleId :

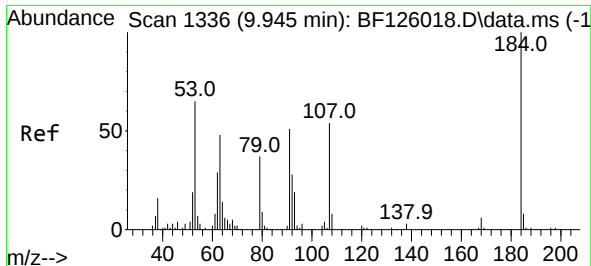
Tgt Ion:165 Resp: 48729
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 2.3 40.6 60.8#



#52
Acenaphthene
Concen: 2.954 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:154 Resp: 58574
Ion Ratio Lower Upper
154 100
153 116.8 89.4 134.2
152 57.7 40.5 60.7





#54

2,4-Dinitrophenol

Concen: 6.804 ng

RT: 10.180 min Scan# 1

Delta R.T. 0.235 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

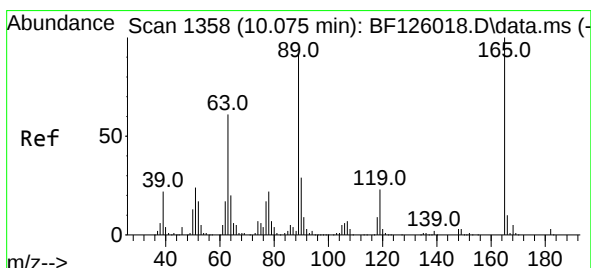
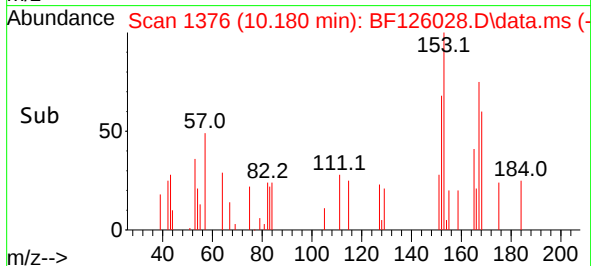
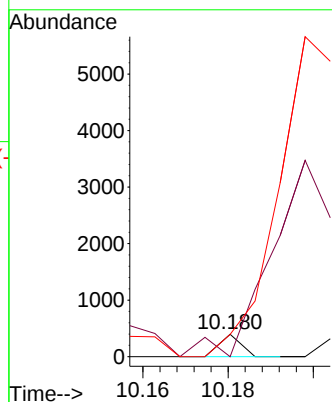
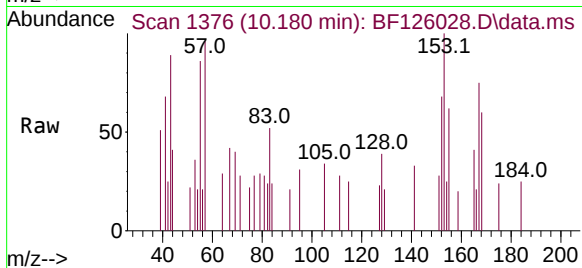
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:184 Resp: 140

Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.3	88.9#
154	99.2	68.6	102.8



#57

2,4-Dinitrotoluene

Concen: 3.472 ng

RT: 10.086 min Scan# 1360

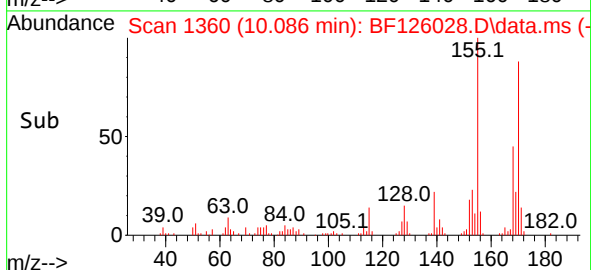
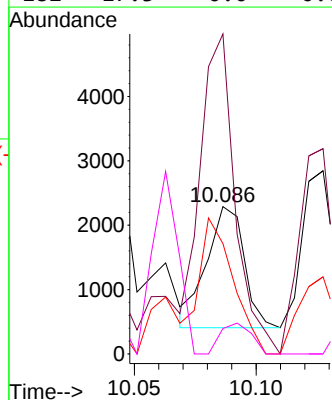
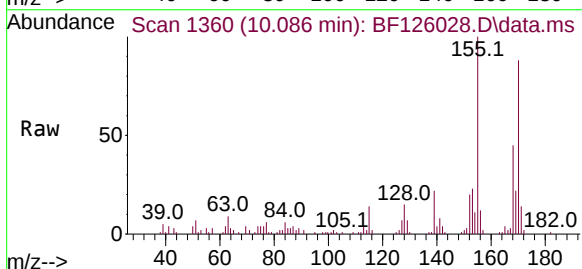
Delta R.T. 0.011 min

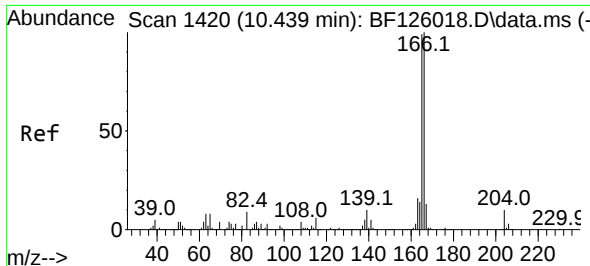
Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Tgt Ion:165 Resp: 2019

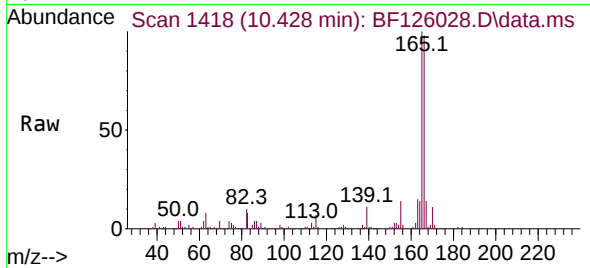
Ion	Ratio	Lower	Upper
165	100		
63	217.2	40.9	61.3#
89	74.9	59.7	89.5
182	17.3	0.0	0.0#



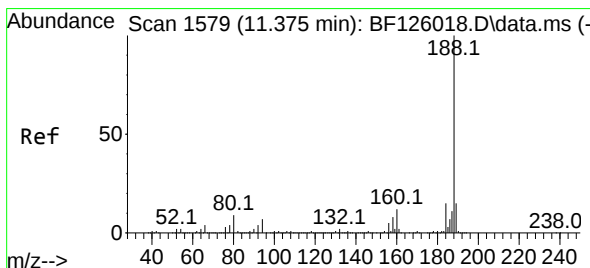
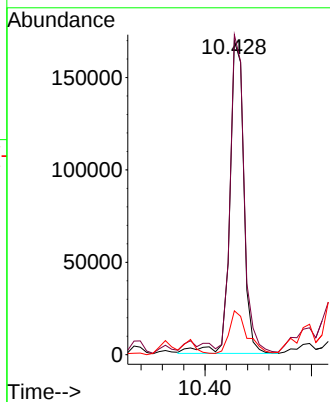
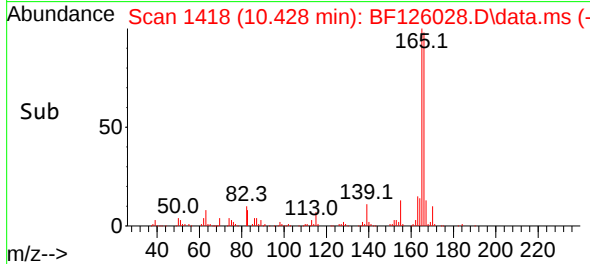


#58
Fluorene
Concen: 6.455 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.011 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :
BNA_F
ClientSampleId :

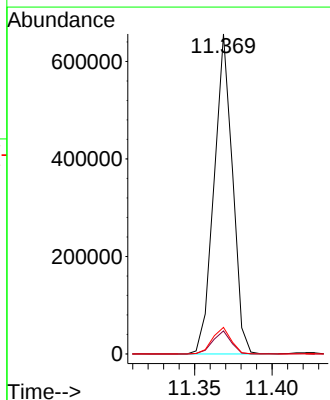
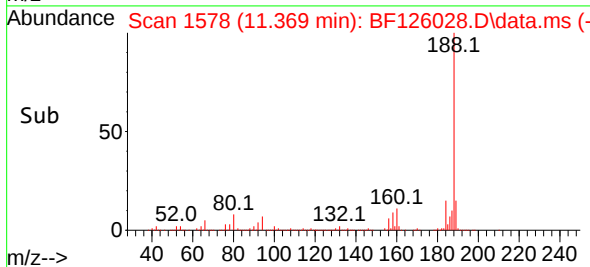
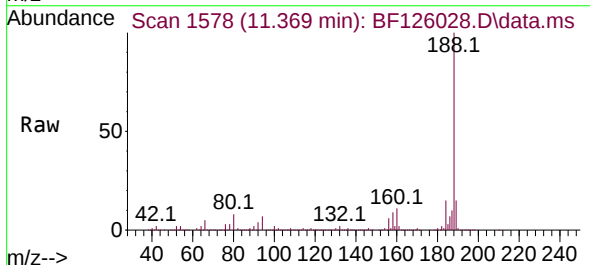


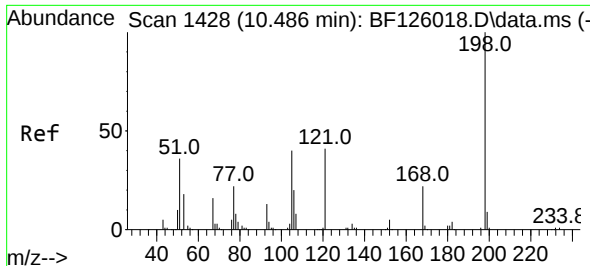
Tgt Ion:166 Resp: 154711
Ion Ratio Lower Upper
166 100
165 101.9 78.1 117.1
167 14.0 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:188 Resp: 543689
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 8.3 7.5 11.3

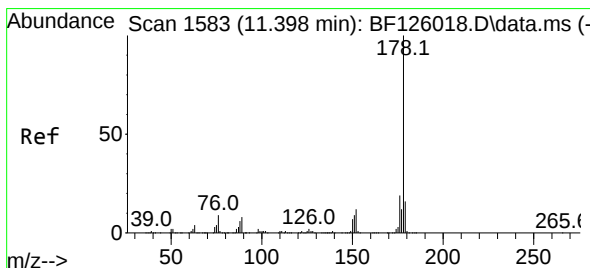
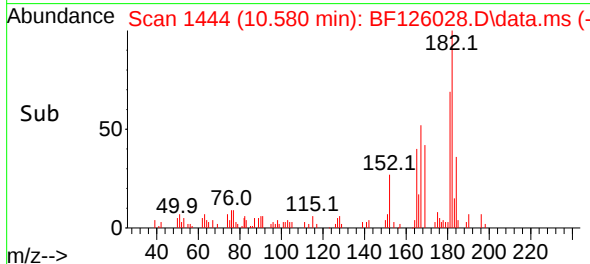
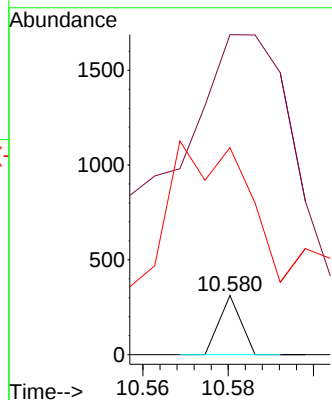
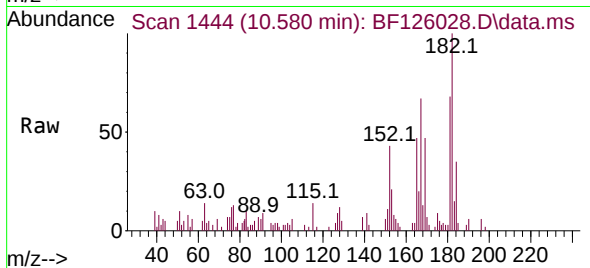




#65
4,6-Dinitro-2-methylphenol
Concen: 8.352 ng
RT: 10.580 min Scan# 1428
Delta R.T. 0.094 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

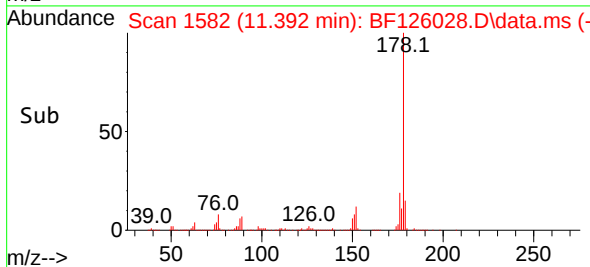
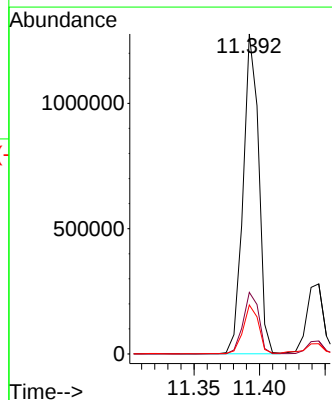
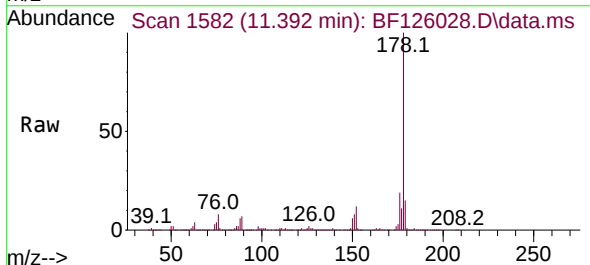
Instrument :
BNA_F
ClientSampleId :

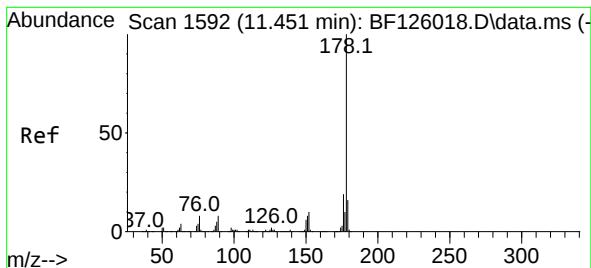
Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 541.0 45.3 85.3#
105 350.0 30.6 70.6#



#71
Phenanthrene
Concen: 35.781 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:178 Resp: 1054983
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.3 11.5 17.3





#72

Anthracene

Concen: 8.295 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

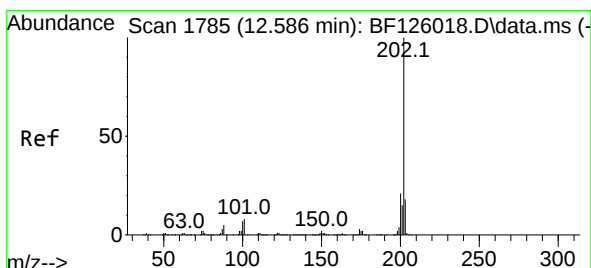
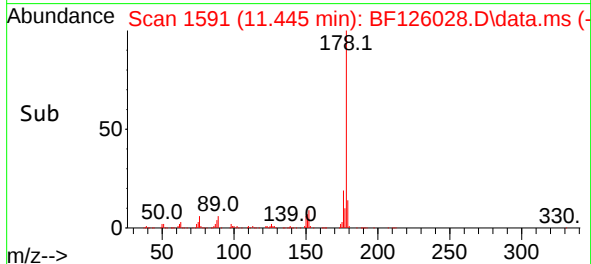
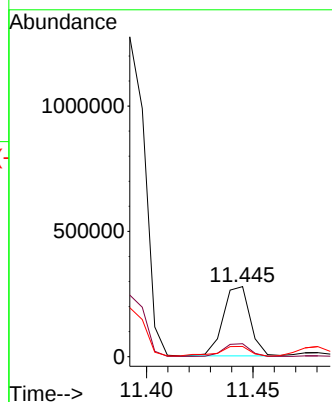
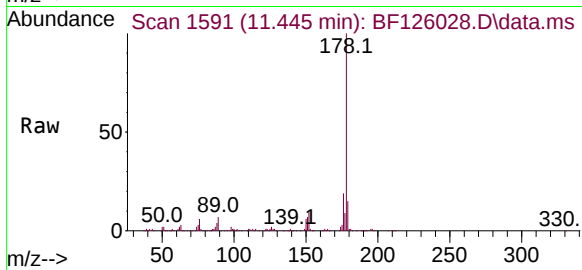
Tgt Ion:178 Resp: 244189

Ion Ratio Lower Upper

178 100

176 18.6 14.3 21.5

179 14.6 12.2 18.4



#75

Fluoranthene

Concen: 19.383 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

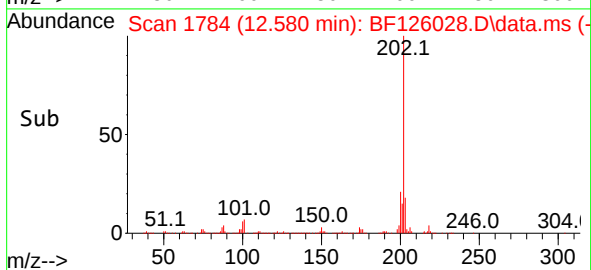
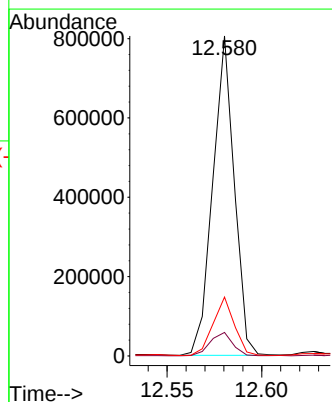
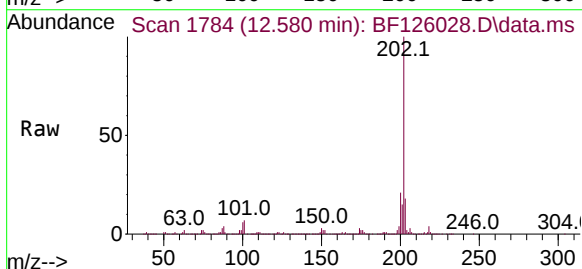
Tgt Ion:202 Resp: 636392

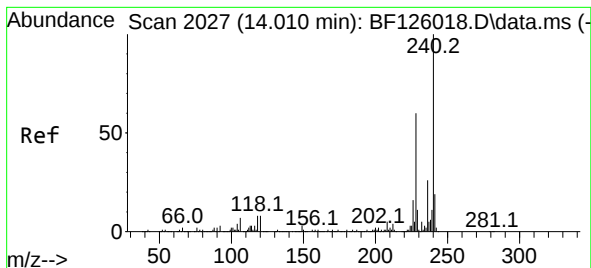
Ion Ratio Lower Upper

202 100

101 7.4 0.0 30.7

203 18.4 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

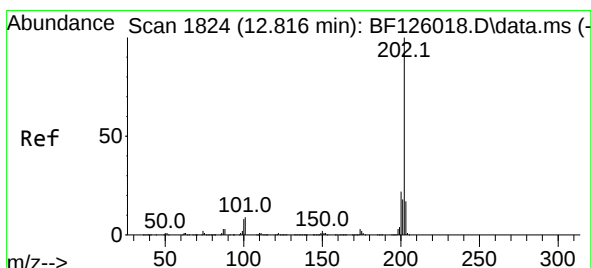
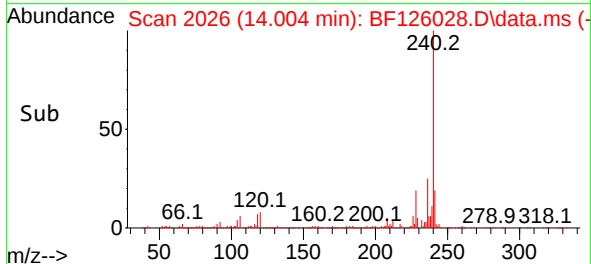
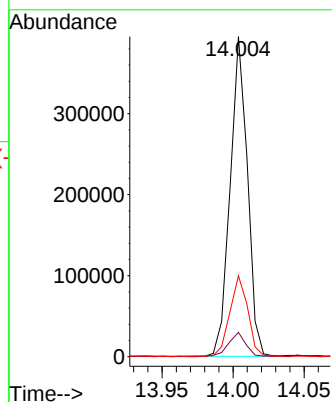
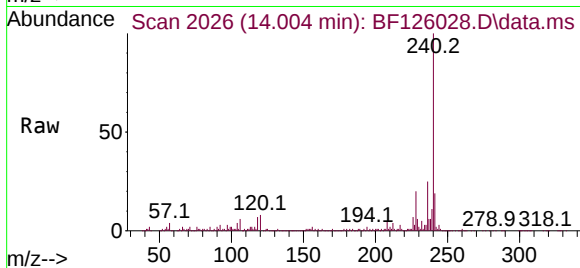
Tgt Ion:240 Resp: 334716

Ion Ratio Lower Upper

240 100

120 7.6 10.8 16.2#

236 25.3 21.6 32.4



#78

Pyrene

Concen: 32.982 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

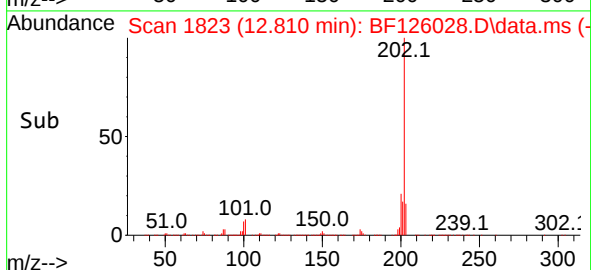
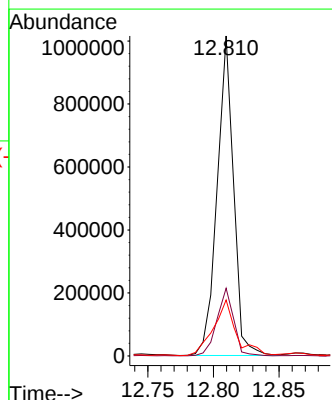
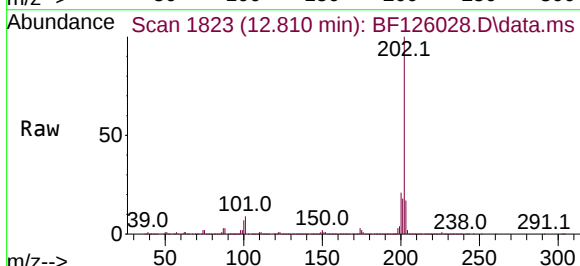
Tgt Ion:202 Resp: 885328

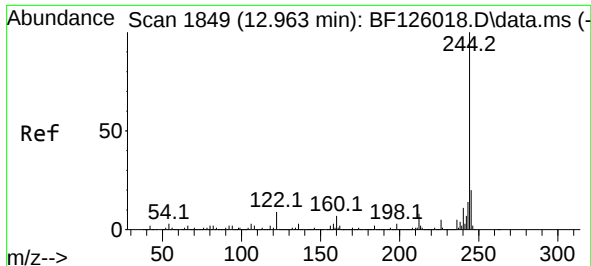
Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 17.5 13.4 20.0

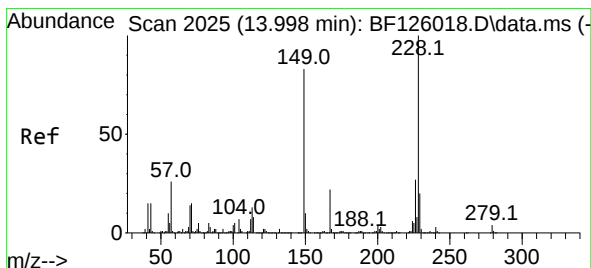
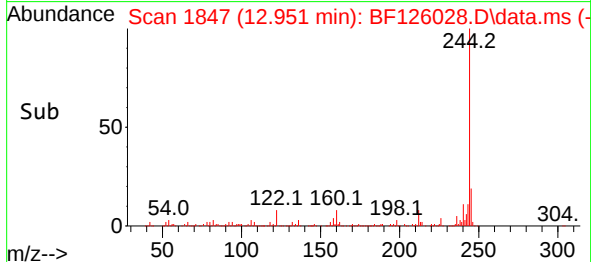
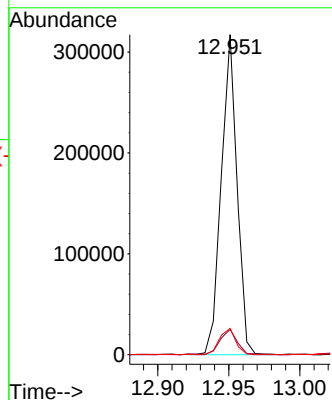
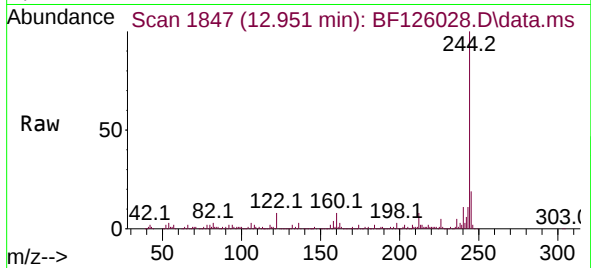




#79
 Terphenyl-d14
 Concen: 11.792 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

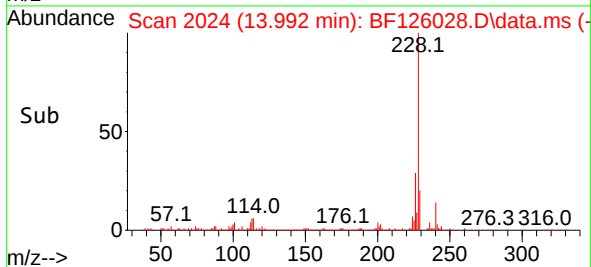
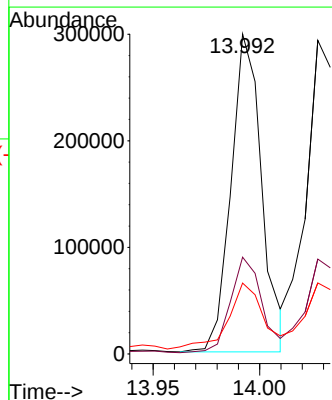
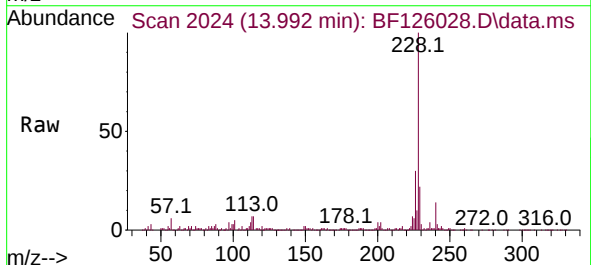
Instrument :
 BNA_F
 ClientSampleId :

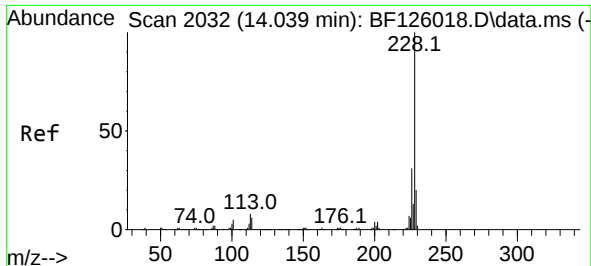
Tgt Ion:244 Resp: 244776
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 8.2 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 13.020 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

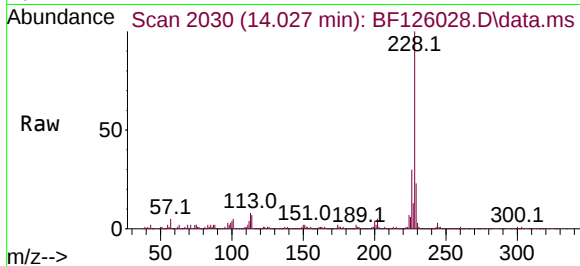
Tgt Ion:228 Resp: 299382
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.6 32.4
 229 22.1 15.6 23.4



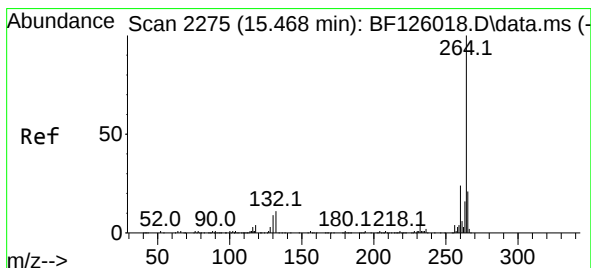
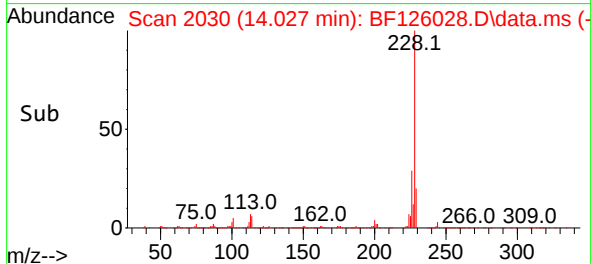
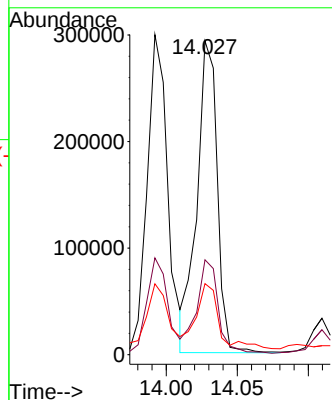


#83
Chrysene
Concen: 13.640 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :
BNA_F
ClientSampleId :

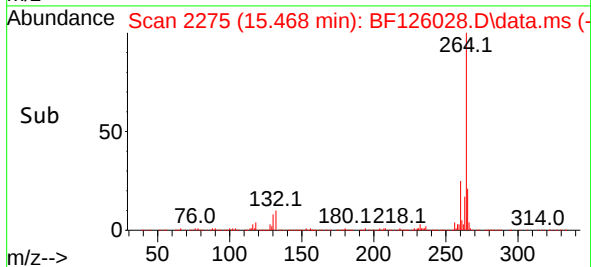
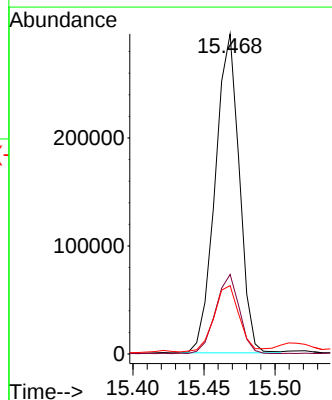
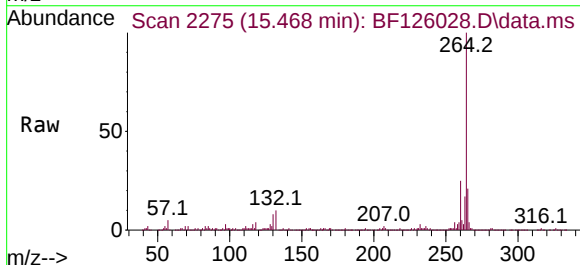


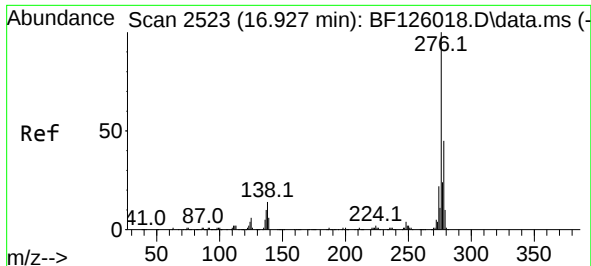
Tgt Ion:228 Resp: 291834
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 22.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:264 Resp: 348071
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 21.3 17.2 25.8

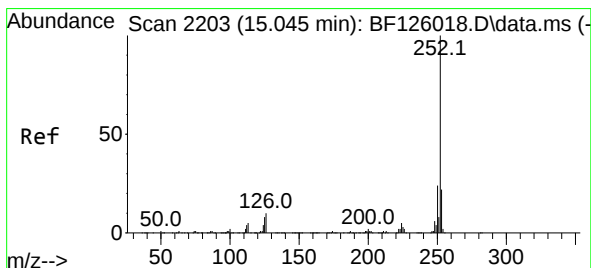
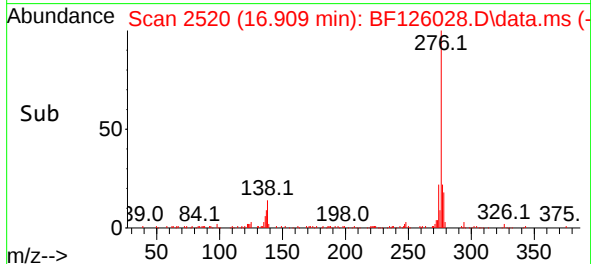
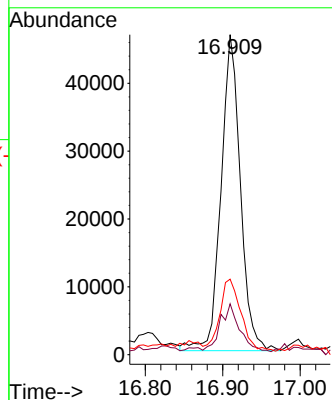
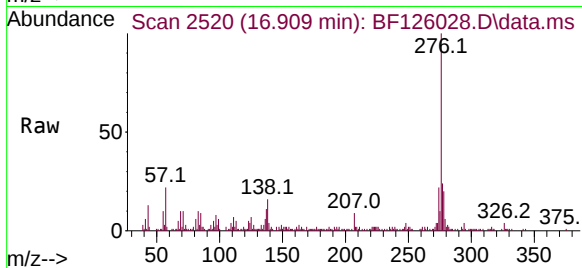




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.947 ng
RT: 16.909 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

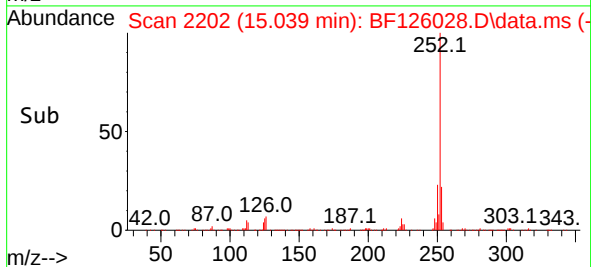
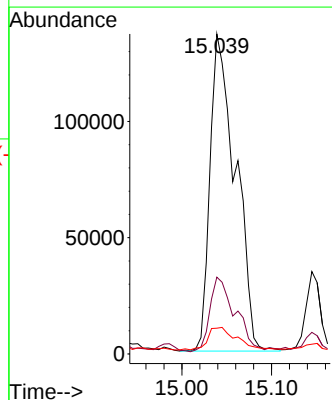
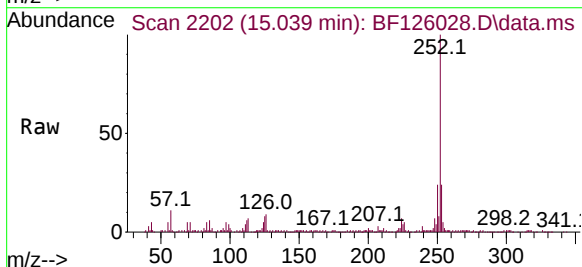
Instrument :
BNA_F
ClientSampleId :

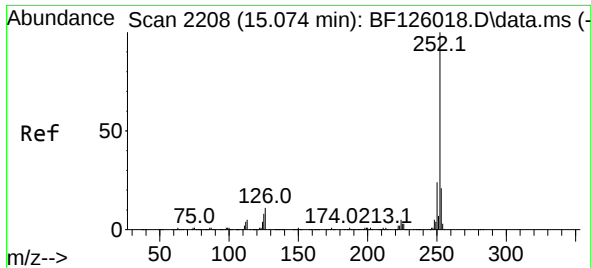
Tgt Ion:276 Resp: 81309
Ion Ratio Lower Upper
276 100
138 15.1 24.1 36.1#
277 24.9 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 11.929 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

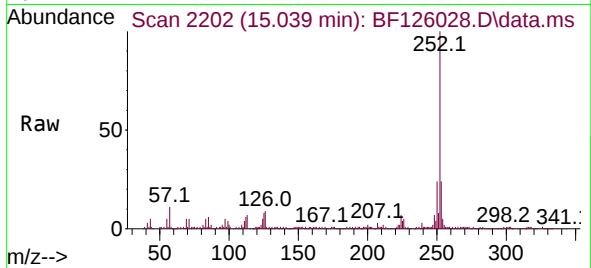
Tgt Ion:252 Resp: 270074
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 8.0 9.8 14.8#



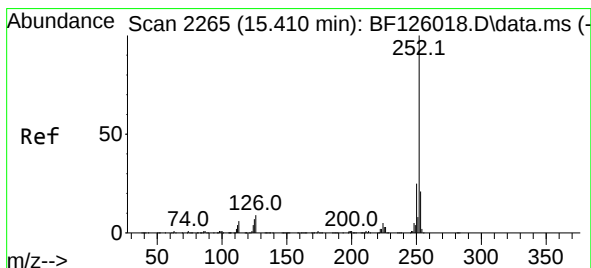
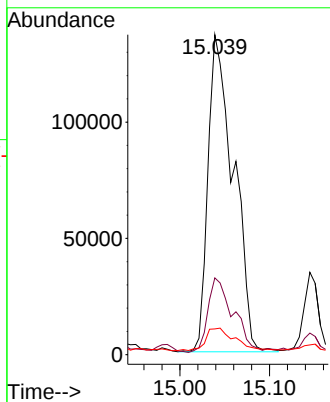
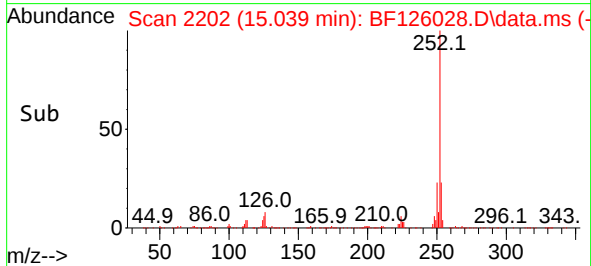


#89
Benzo(k)fluoranthene
Concen: 12.297 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

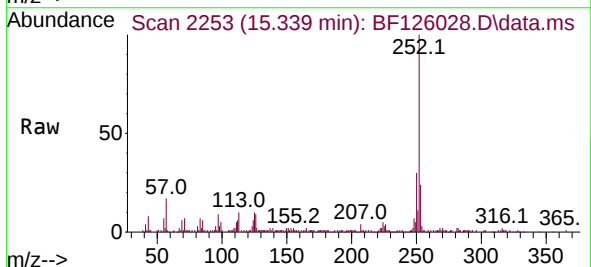
Instrument :
BNA_F
ClientSampleId :



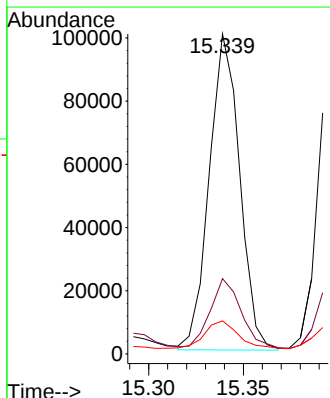
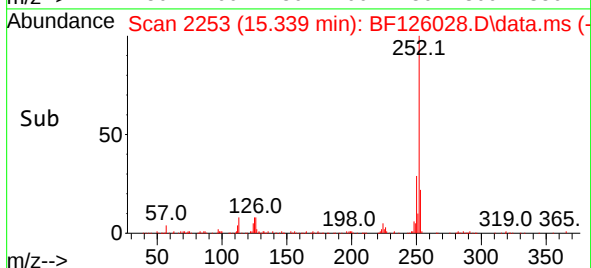
Tgt Ion:252 Resp: 270074
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 8.0 7.2 10.8

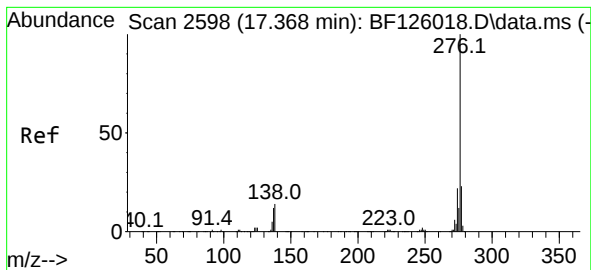


#90
Benzo(a)pyrene
Concen: 6.268 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.071 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



Tgt Ion:252 Resp: 111808
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 10.3 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 4.856 ng

RT: 17.351 min Scan# 21

Delta R.T. -0.017 min

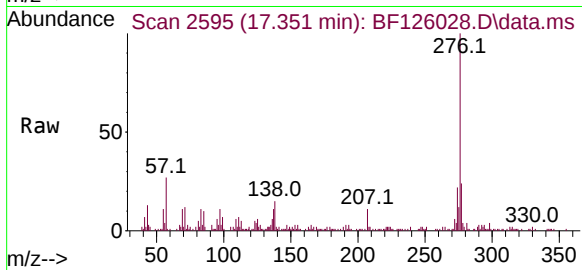
Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 78804

Ion Ratio Lower Upper

276 100

277 24.1 22.0 33.0

138 14.9 22.2 33.4#

