

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126553.D
 Acq On : 7 Jan 2022 20:19
 Operator : JU/CG
 Sample : N1070-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622

Quant Time: Jan 08 04:40:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

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

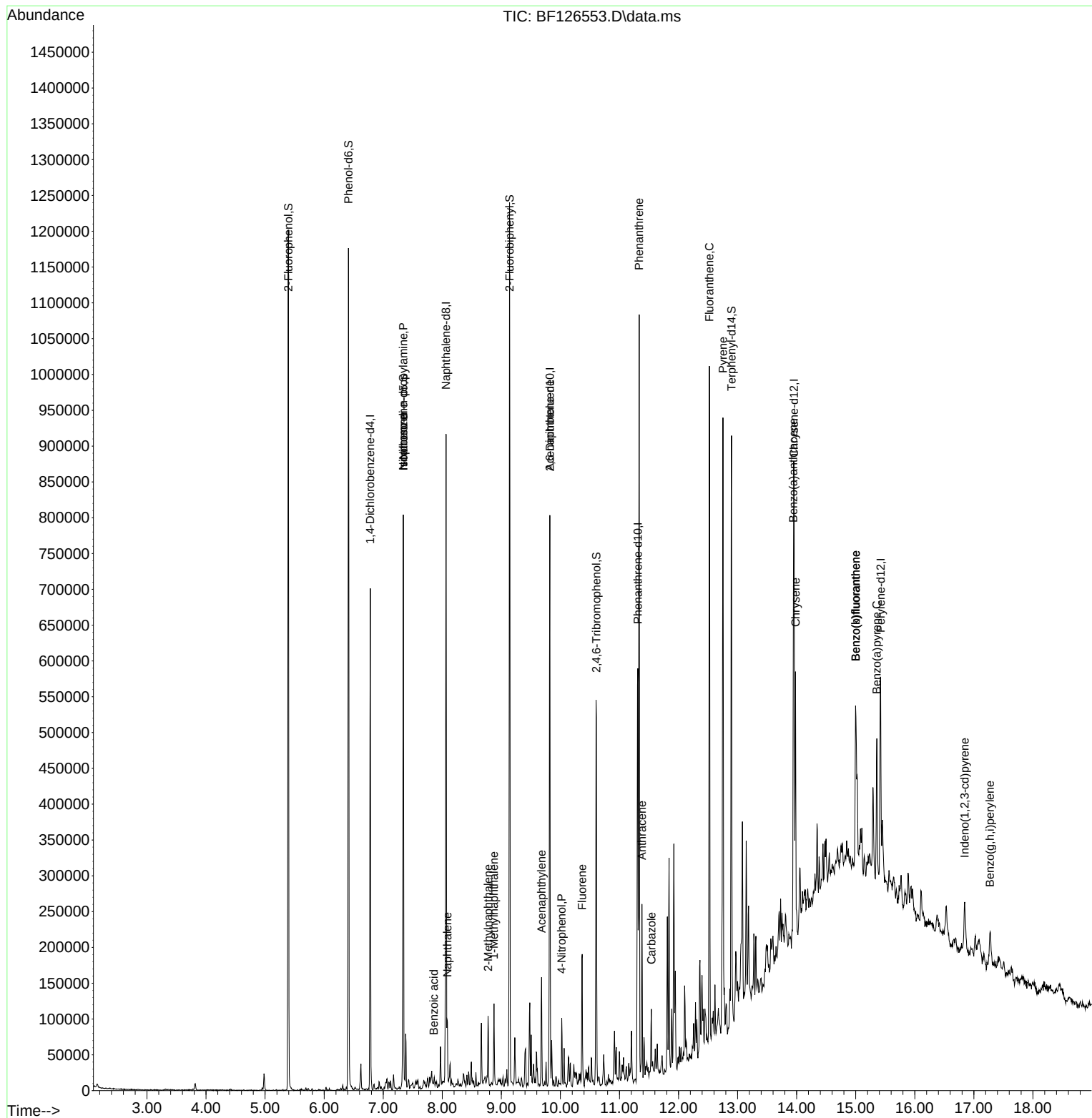
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	96745	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	375099	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	156886	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	223121	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	172058	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	133864	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	330323	49.032	ng	0.00
7) Phenol-d6	6.410	99	411057	47.109	ng	-0.01
23) Nitrobenzene-d5	7.340	82	245976	33.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	64994	53.611	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	365288	40.973	ng	-0.01
79) Terphenyl-d14	12.898	244	278715	31.473	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	31474	6.321	ng	# 81
25) Isophorone	7.340	82	243718	18.636	ng	# 69
31) Naphthalene	8.087	128	39390	2.225	ng	99
32) Benzoic acid	7.857	122	151	7.111	ng	# 28
37) 2-Methylnaphthalene	8.775	142	26857	2.571	ng	93
38) 1-Methylnaphthalene	8.875	142	29198	2.892	ng	99
49) Acenaphthylene	9.681	152	51318	3.882	ng	98
51) 2,6-Dinitrotoluene	9.822	165	21910	10.359	ng	# 20
56) 4-Nitrophenol	10.022	139	7368	3.572	ng	# 9
58) Fluorene	10.369	166	57618	6.956	ng	98
71) Phenanthrene	11.333	178	372569	32.661	ng	98
72) Anthracene	11.380	178	85526	7.493	ng	97
73) Carbazole	11.539	167	33577	3.004	ng	99
75) Fluoranthene	12.522	202	359890	34.568	ng	98
77) Benzidine	12.680	184	113	Below Cal		# 1
78) Pyrene	12.751	202	325608	22.393	ng	99
81) Benzo(a)anthracene	13.945	228	152578	15.420	ng	93
83) Chrysene	13.980	228	129799	12.788	ng	96
87) Indeno(1,2,3-cd)pyrene	16.845	276	41312	4.611	ng	# 87
88) Benzo(b)fluoranthene	14.998	252	165432	20.745	ng	97
89) Benzo(k)fluoranthene	14.998	252	165432	21.415	ng	95
90) Benzo(a)pyrene	15.357	252	90039	13.466	ng	99
92) Benzo(g,h,i)perylene	17.274	276	37263	4.841	ng	96

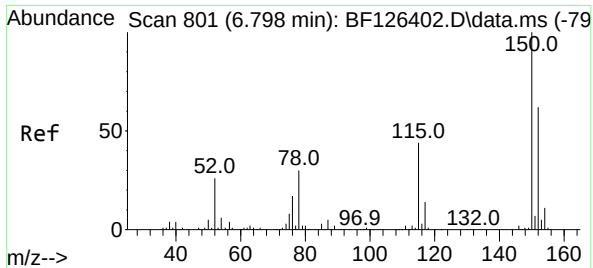
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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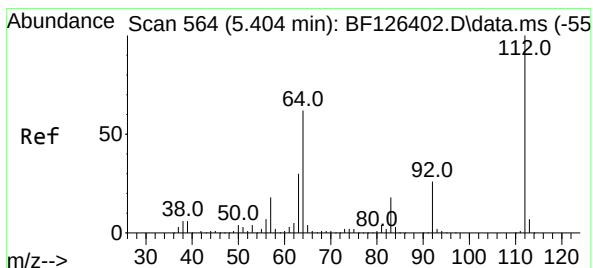
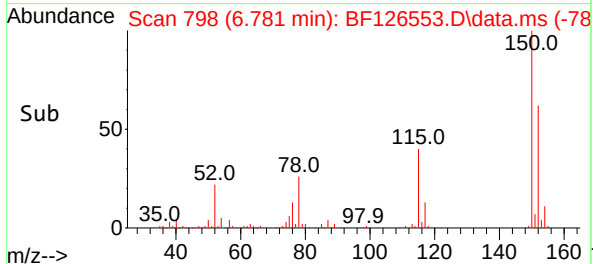
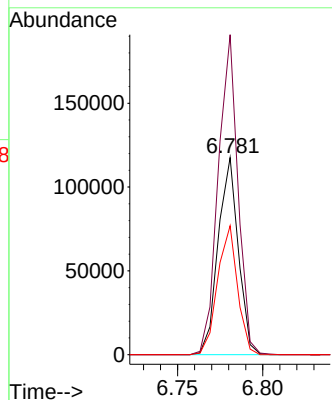
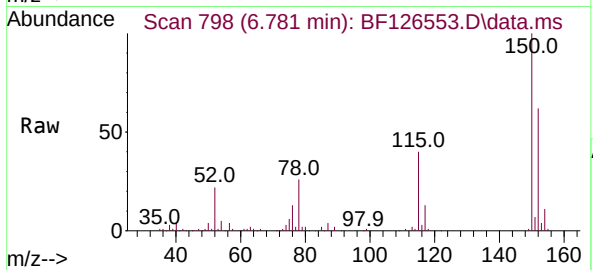




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

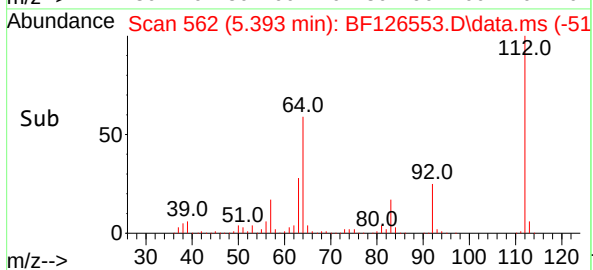
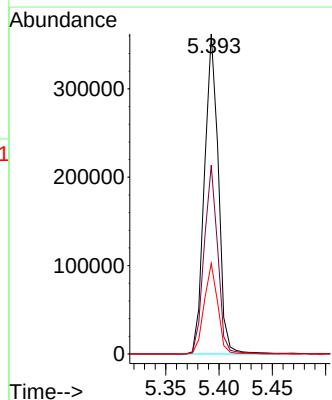
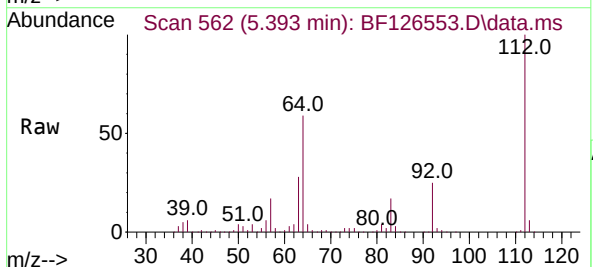
Instrument :
BNA_F
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HR-2-010622

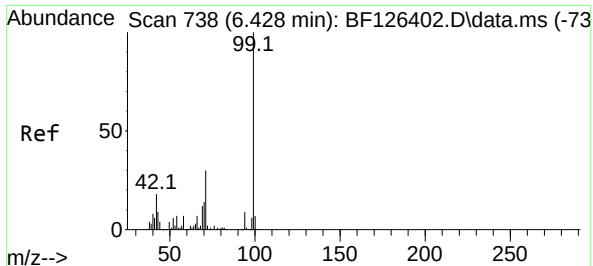
Tgt Ion:152 Resp: 96745
Ion Ratio Lower Upper
152 100
150 162.4 128.1 192.1
115 65.5 56.7 85.1



#5
2-Fluorophenol
Concen: 49.032 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:112 Resp: 330323
Ion Ratio Lower Upper
112 100
64 58.9 49.5 74.3
63 28.2 23.9 35.9

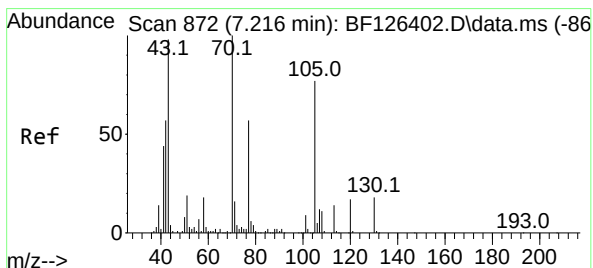
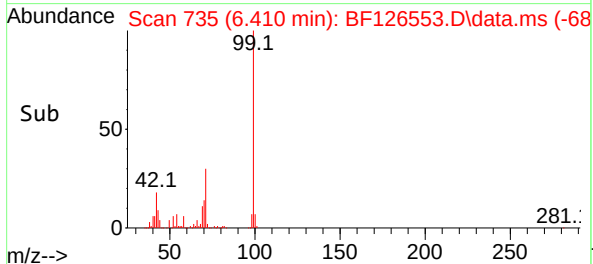
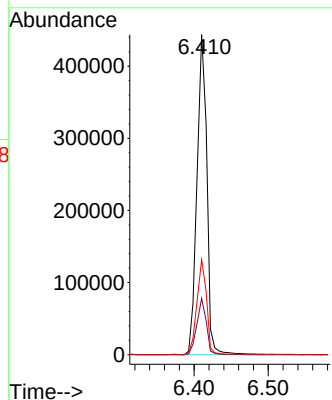
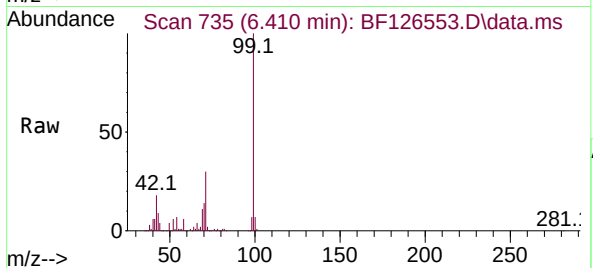




#7
Phenol-d6
Concen: 47.109 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

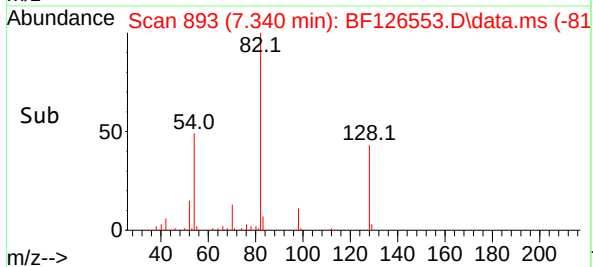
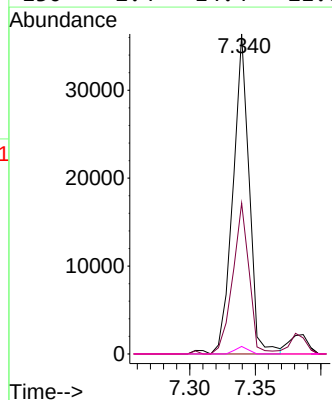
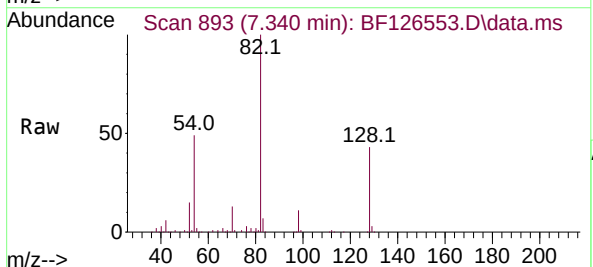
Instrument :
BNA_F
ClientSampleId :
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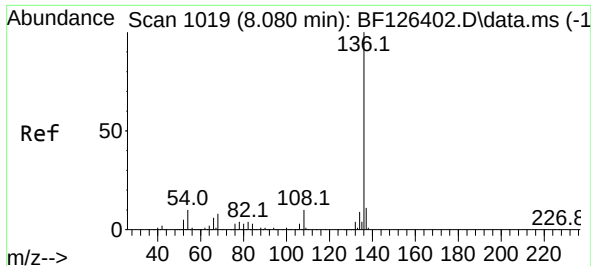
Tgt Ion: 99 Resp: 411057
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 29.8 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 6.321 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion: 70 Resp: 31474
Ion Ratio Lower Upper
70 100
42 47.2 45.8 68.8
101 0.0 6.9 10.3#
130 2.4 14.4 21.6#



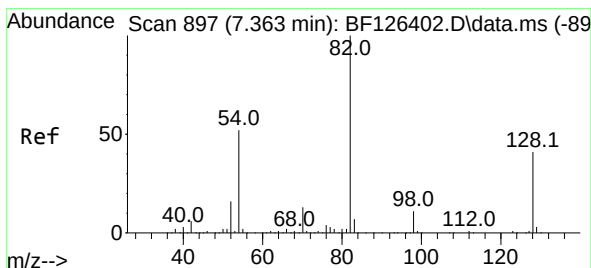
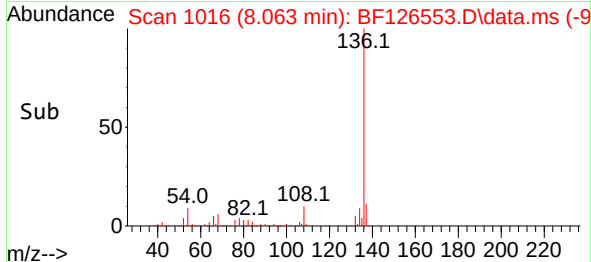
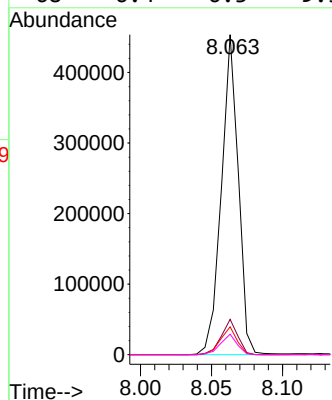
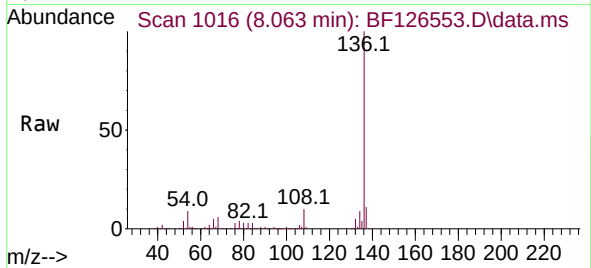


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Instrument :
BNA_F
ClientSampleId :
HR-2-010622

Tgt Ion:136 Resp: 375099

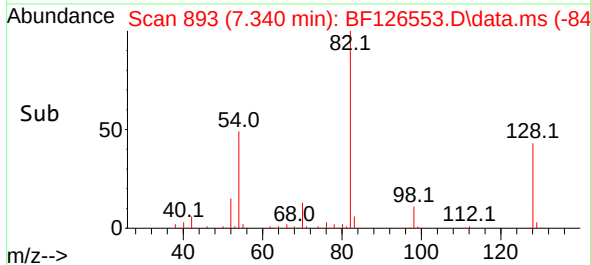
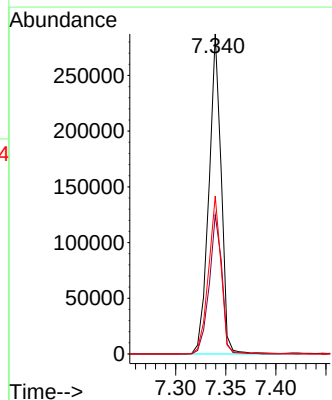
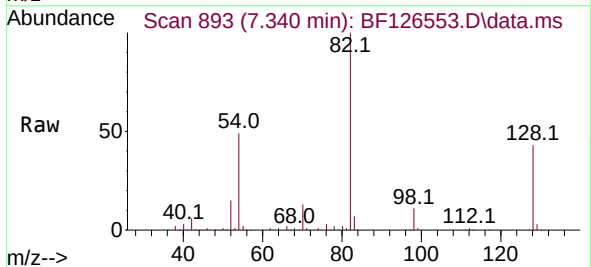
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.7	7.8	11.6
68	6.4	6.3	9.5

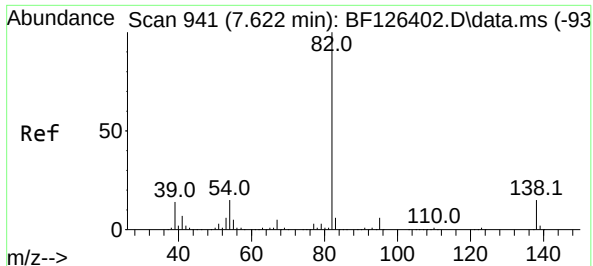


#23
Nitrobenzene-d5
Concen: 33.671 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion: 82 Resp: 245976

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.7	49.1
54	49.4	41.7	62.5

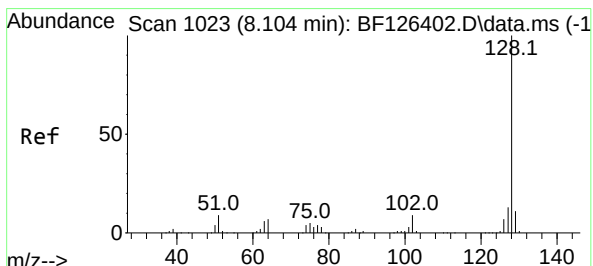
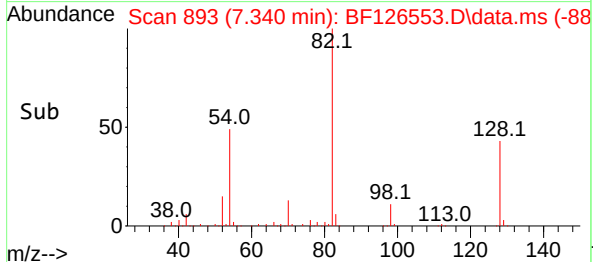
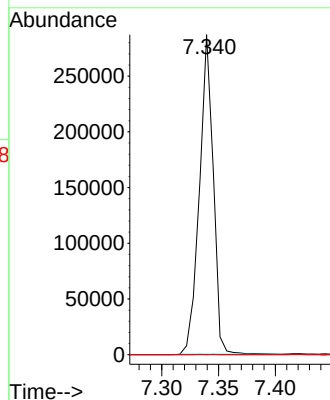
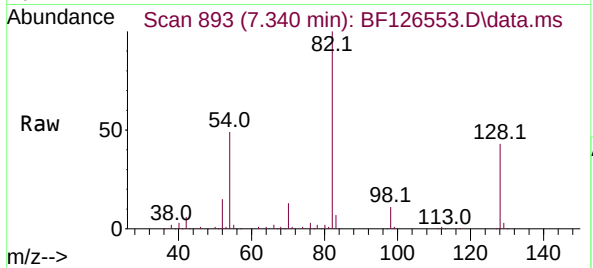




#25
Isophorone
Concen: 18.636 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

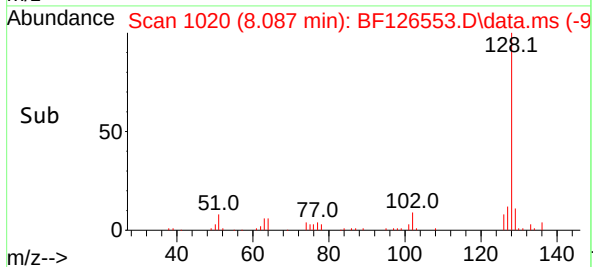
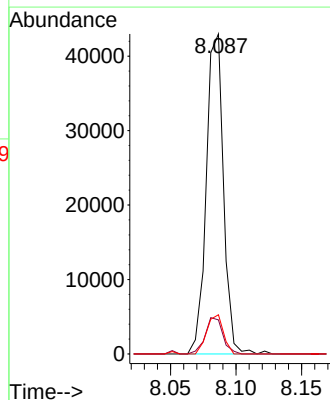
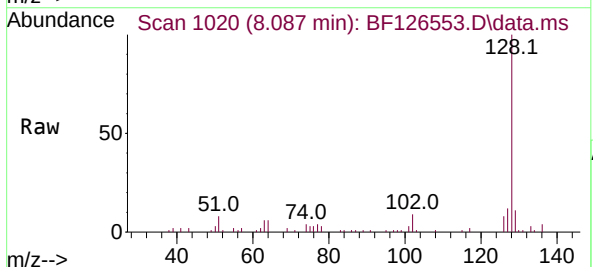
Instrument :
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ClientSampleId :
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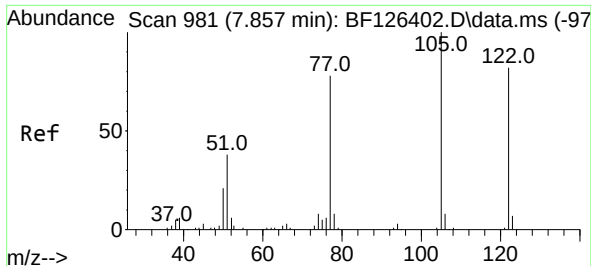
Tgt Ion: 82 Resp: 243718
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#31
Naphthalene
Concen: 2.225 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion: 128 Resp: 39390
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.2 10.3 15.5

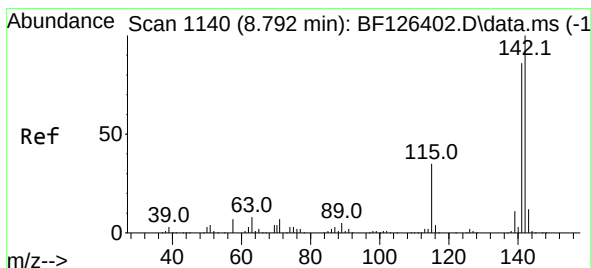
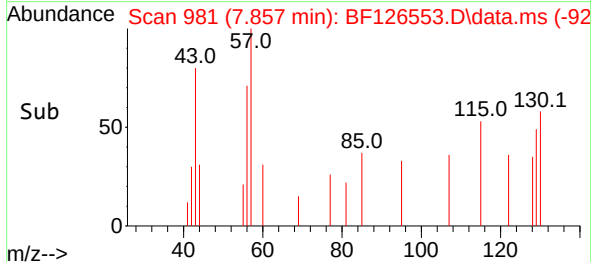
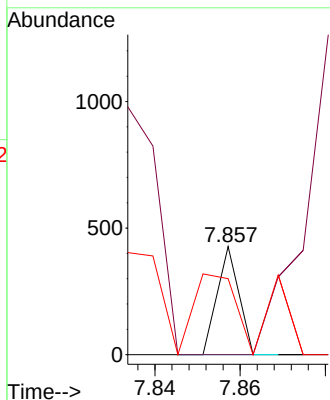
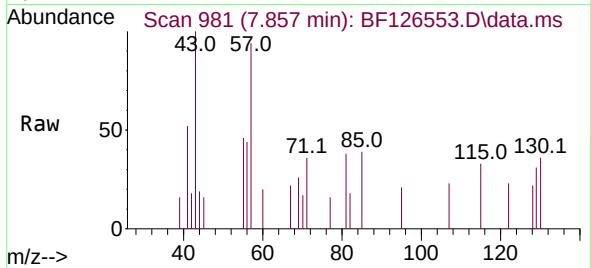




#32
Benzoic acid
Concen: 7.111 ng
RT: 7.857 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

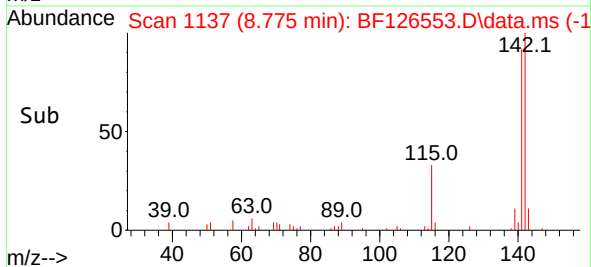
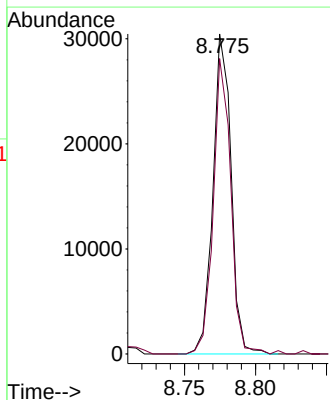
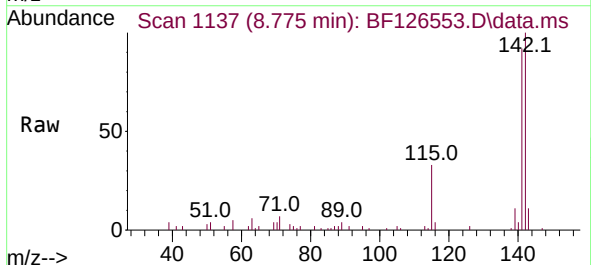
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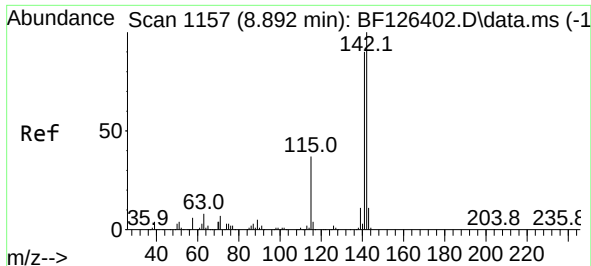
Tgt Ion:122 Resp: 151
Ion Ratio Lower Upper
122 100
105 0.0 101.0 141.0#
77 70.3 74.5 114.5#



#37
2-Methylnaphthalene
Concen: 2.571 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:142 Resp: 26857
Ion Ratio Lower Upper
142 100
141 92.3 68.6 102.8

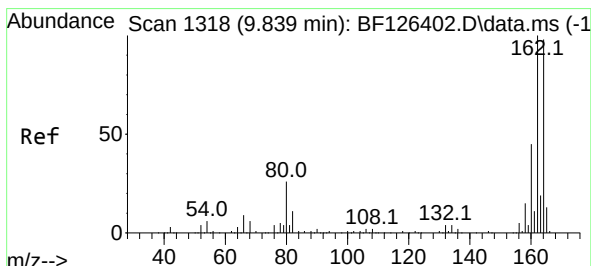
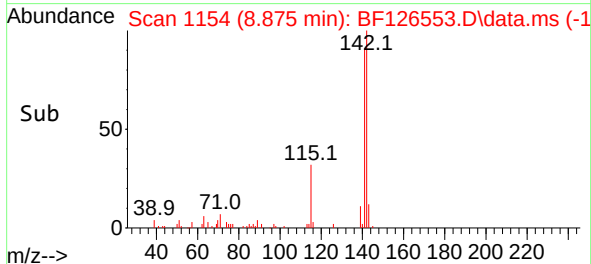
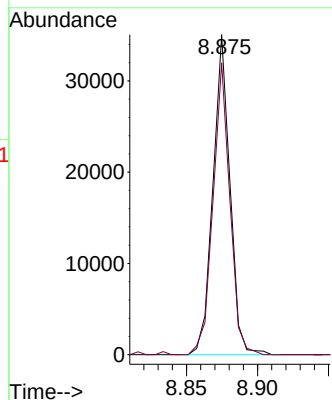
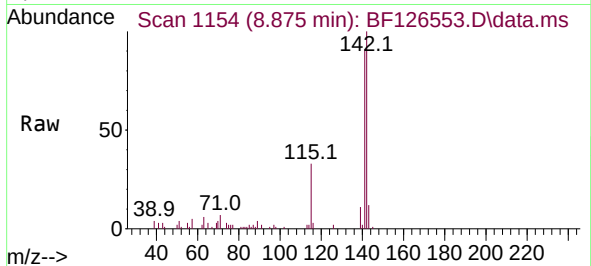




#38
1-Methylnaphthalene
Concen: 2.892 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

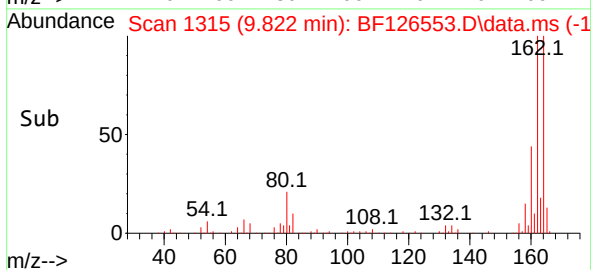
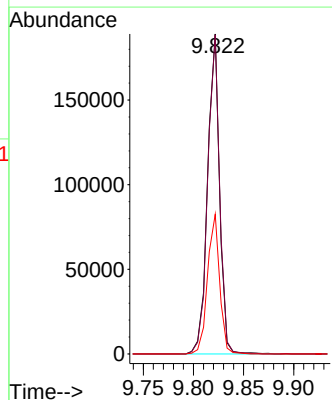
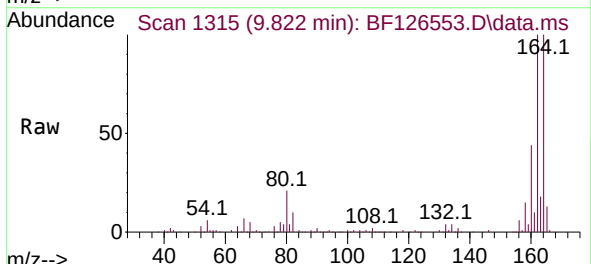
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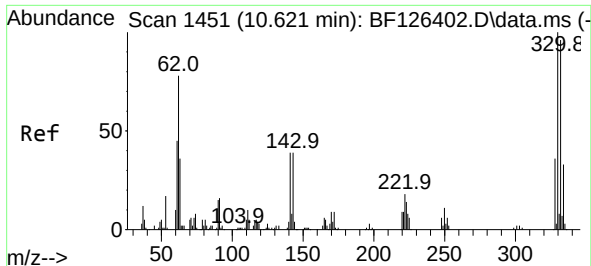
Tgt Ion:142 Resp: 29198
Ion Ratio Lower Upper
142 100
141 91.2 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:164 Resp: 156886
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 43.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 53.611 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF126553.D

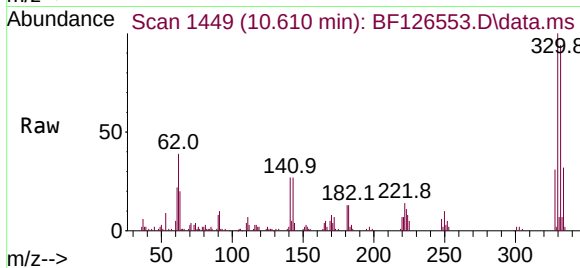
Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622



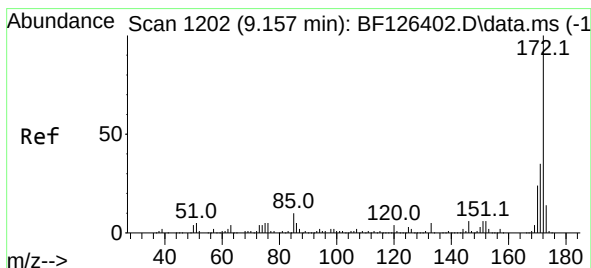
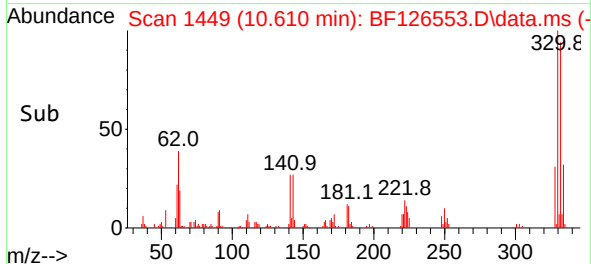
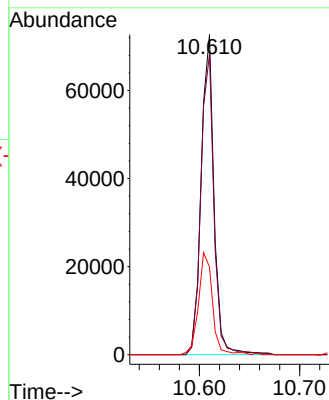
Tgt Ion:330 Resp: 64994

Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

141 34.7 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 40.973 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

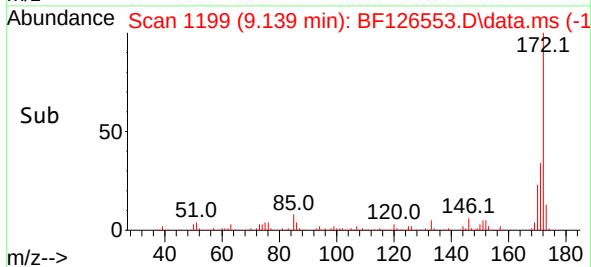
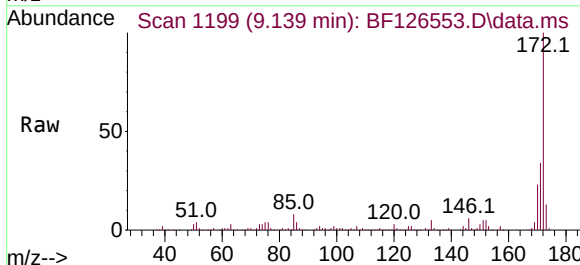
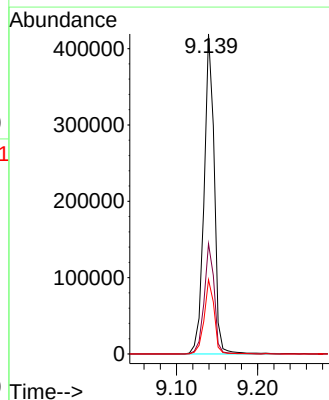
Tgt Ion:172 Resp: 365288

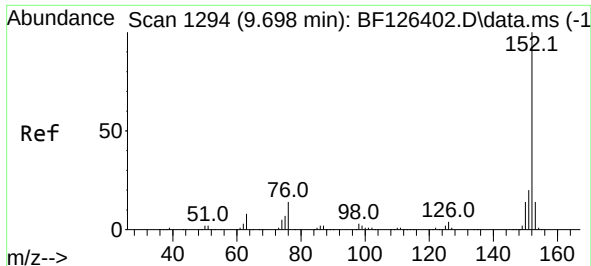
Ion Ratio Lower Upper

172 100

171 34.4 28.3 42.5

170 23.2 19.0 28.6





#49

Acenaphthylene

Concen: 3.882 ng

RT: 9.681 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

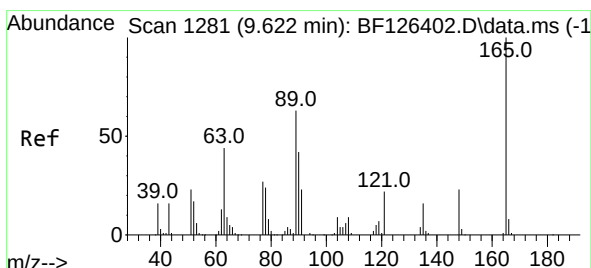
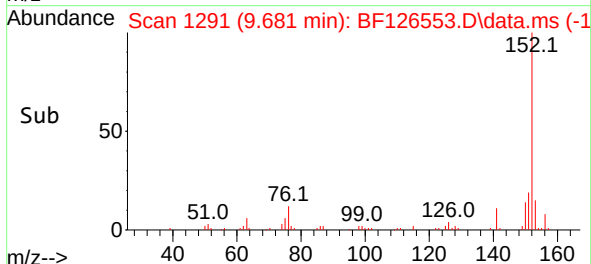
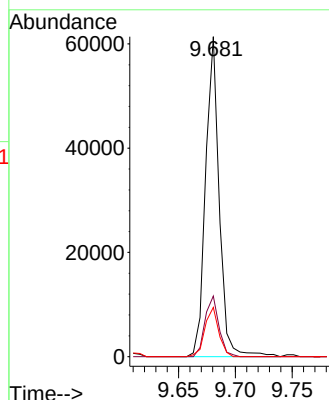
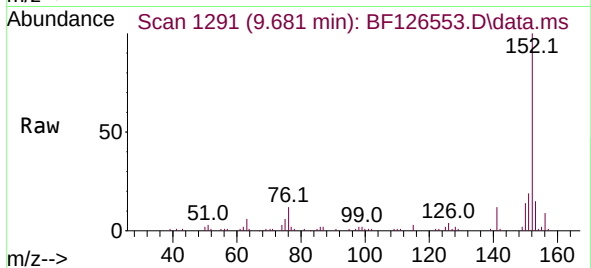
Tgt Ion:152 Resp: 51318

Ion Ratio Lower Upper

152 100

151 19.0 15.7 23.5

153 15.4 11.4 17.0



#51

2,6-Dinitrotoluene

Concen: 10.359 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.212 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

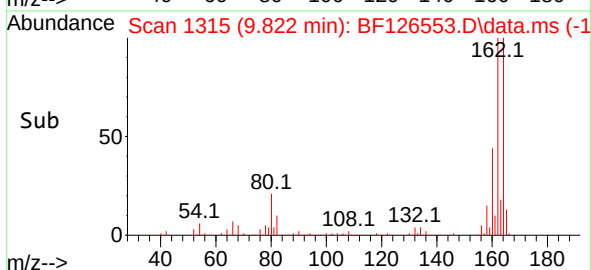
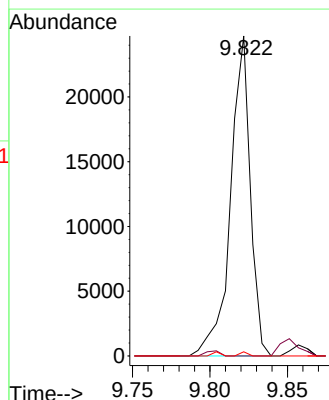
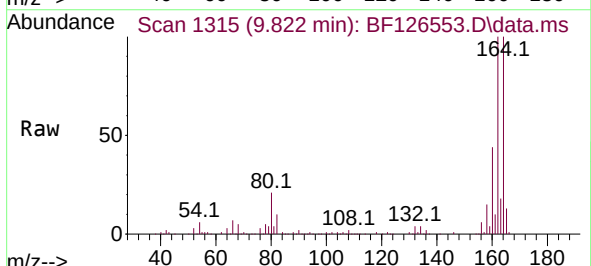
Tgt Ion:165 Resp: 21910

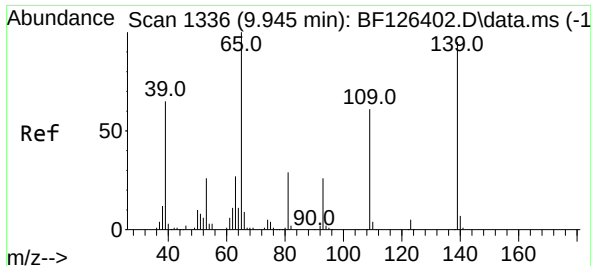
Ion Ratio Lower Upper

165 100

63 0.0 48.4 72.6#

89 1.3 50.5 75.7#

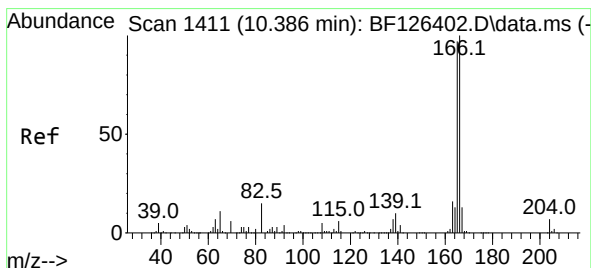
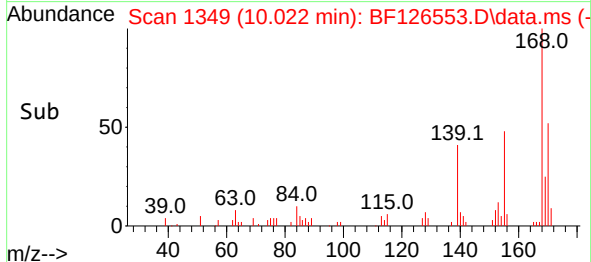
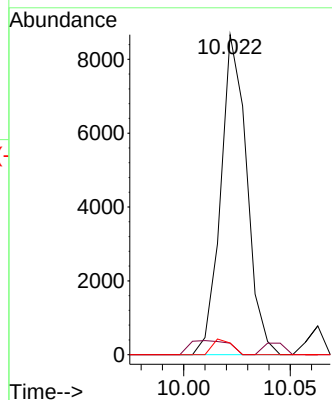
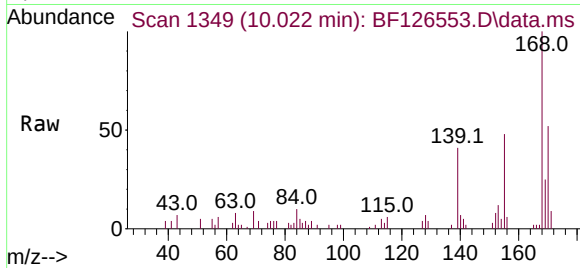




#56
4-Nitrophenol
Concen: 3.572 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

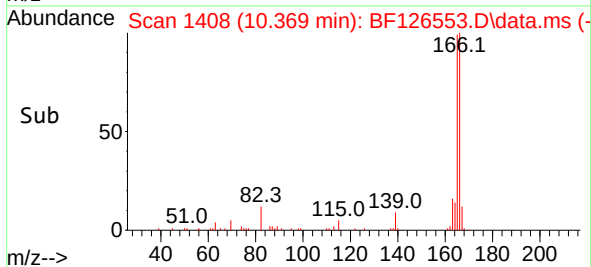
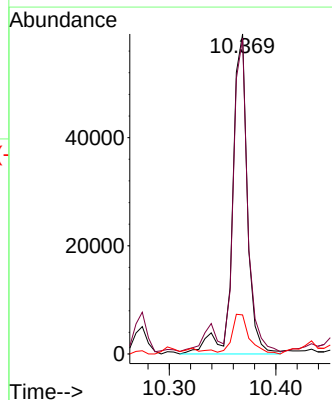
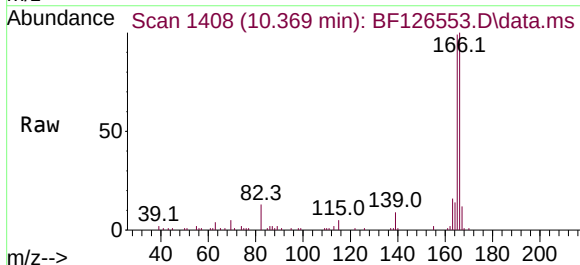
Instrument :
BNA_F
ClientSampleId :
HR-2-010622

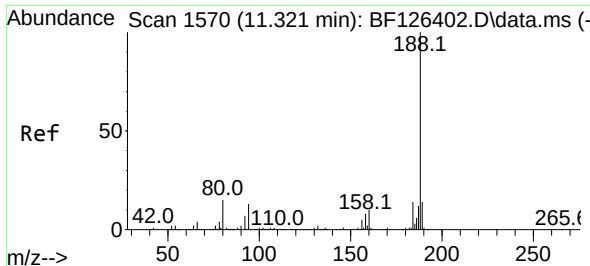
Tgt Ion:139 Resp: 7368
Ion Ratio Lower Upper
139 100
109 3.6 44.1 84.1#
65 3.7 85.5 125.5#



#58
Fluorene
Concen: 6.956 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:166 Resp: 57618
Ion Ratio Lower Upper
166 100
165 98.6 77.7 116.5
167 12.2 10.7 16.1

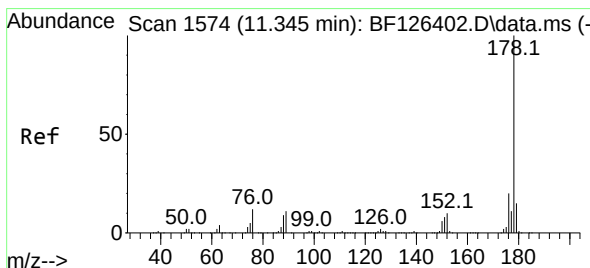
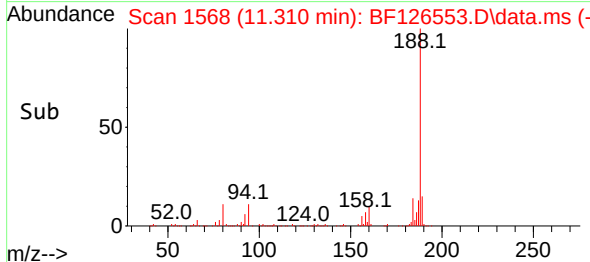
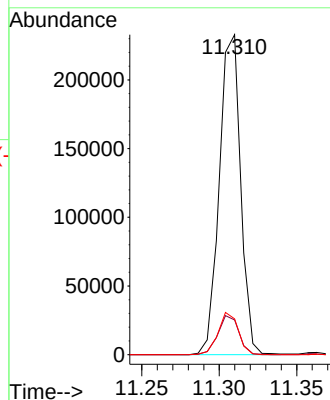
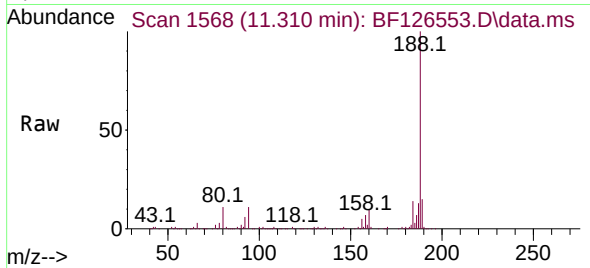




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

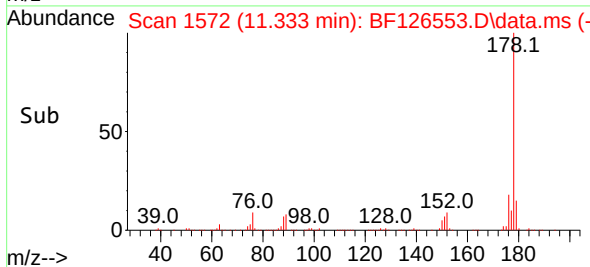
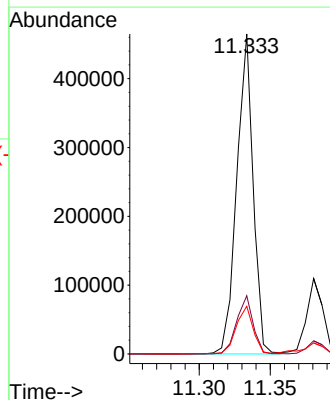
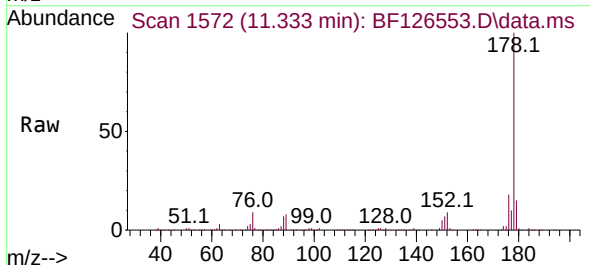
Instrument :
BNA_F
ClientSampleId :
HR-2-010622

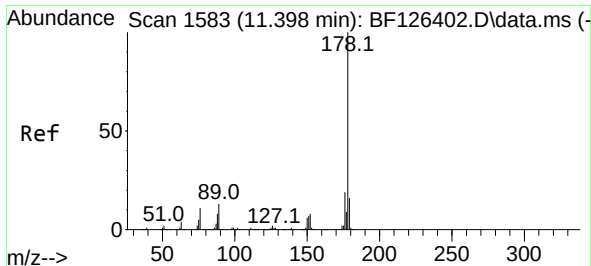
Tgt Ion:188 Resp: 223121
Ion Ratio Lower Upper
188 100
94 10.9 10.1 15.1
80 11.2 11.8 17.6#



#71
Phenanthrene
Concen: 32.661 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:178 Resp: 372569
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.9 12.3 18.5

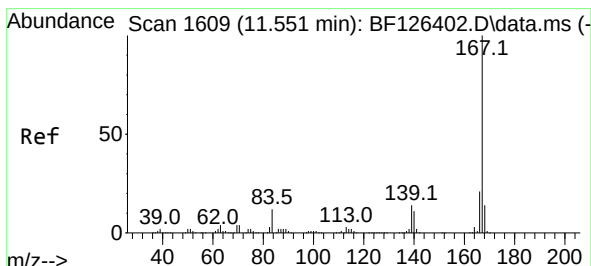
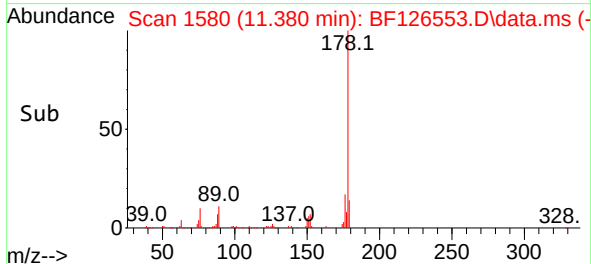
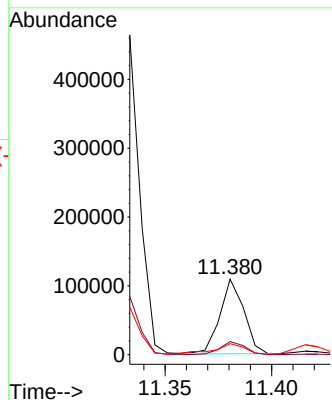
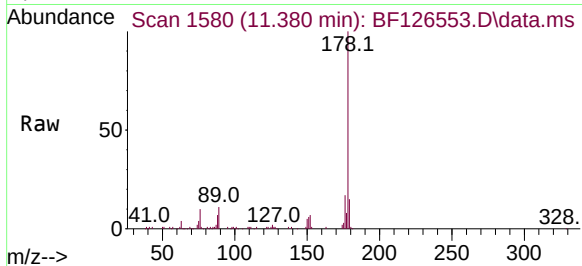




#72
 Anthracene
 Concen: 7.493 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

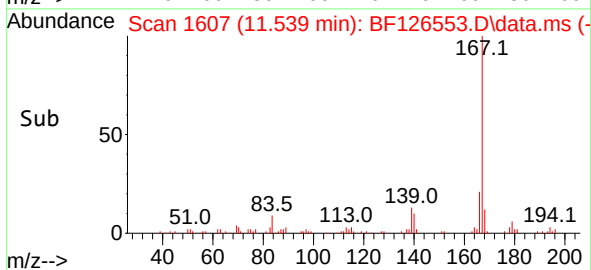
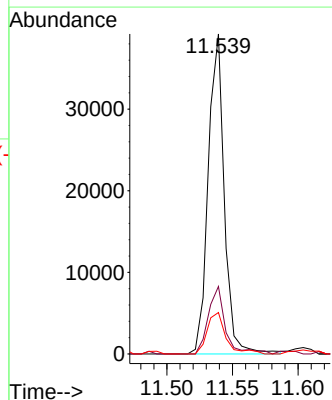
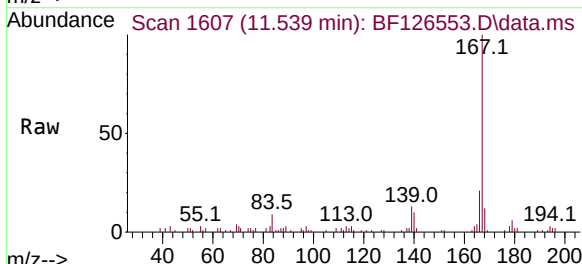
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622

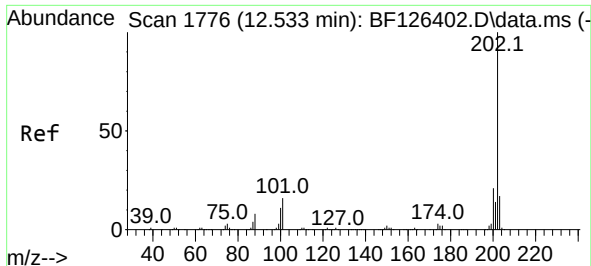
Tgt Ion:178 Resp: 85526
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.0 22.6
 179 14.6 12.5 18.7



#73
 Carbazole
 Concen: 3.004 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

Tgt Ion:167 Resp: 33577
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 12.9 11.3 16.9

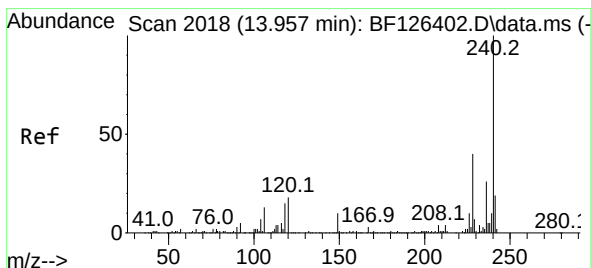
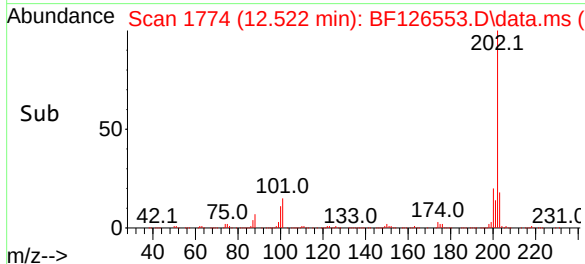
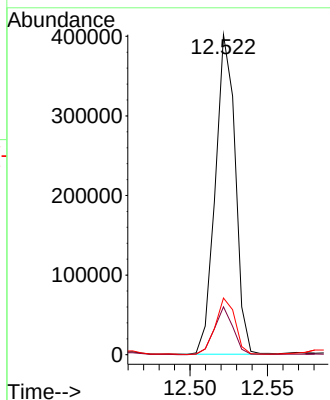
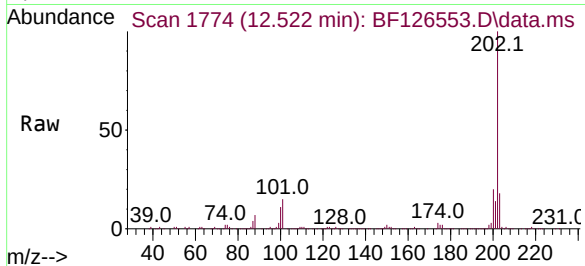




#75
Fluoranthene
Concen: 34.568 ng
RT: 12.522 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

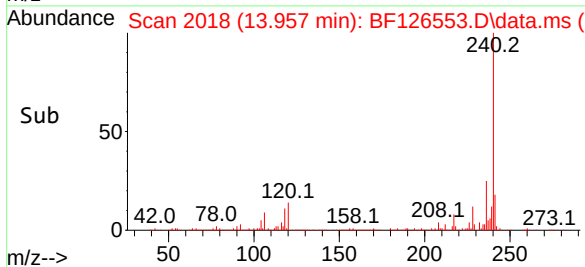
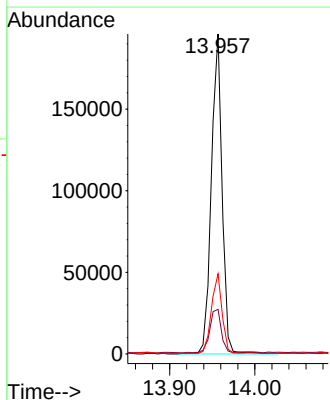
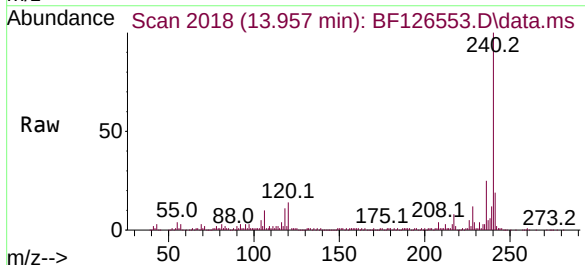
Instrument :
BNA_F
ClientSampleId :
HR-2-010622

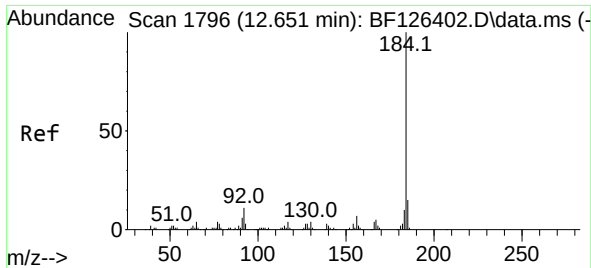
Tgt Ion:202 Resp: 359890
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.7
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:240 Resp: 172058
Ion Ratio Lower Upper
240 100
120 13.9 14.4 21.6#
236 25.0 20.5 30.7

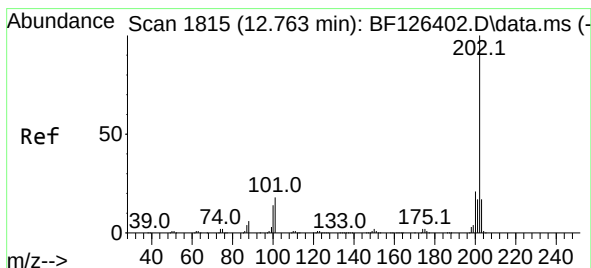
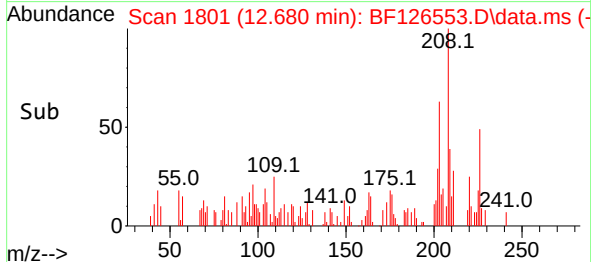
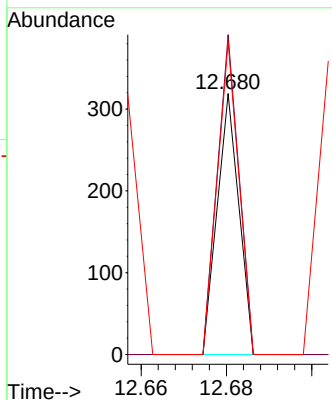
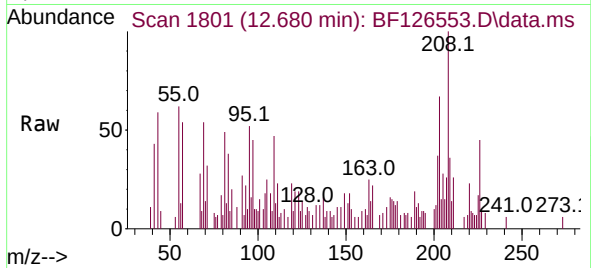




#77
Benzidine
Concen: Below Cal
RT: 12.680 min Scan# 1801
Delta R.T. 0.041 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

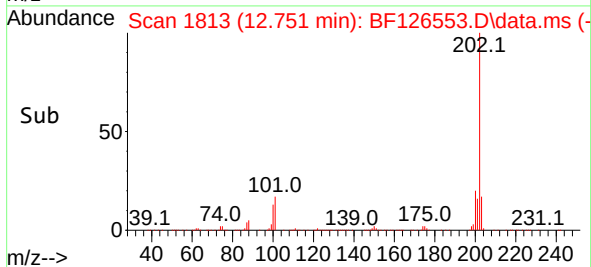
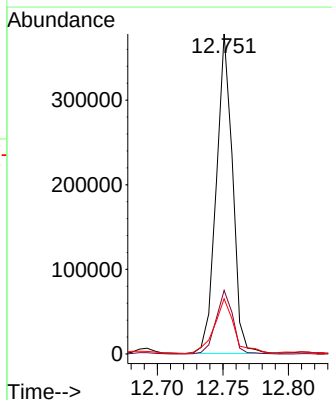
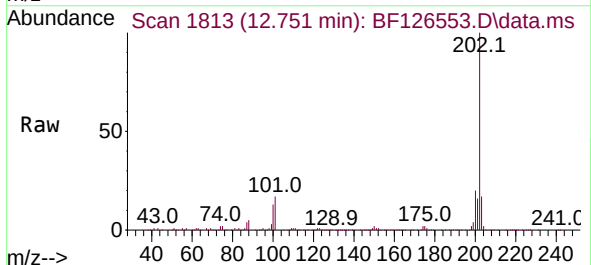
Instrument :
BNA_F
ClientSampleId :
HR-2-010622

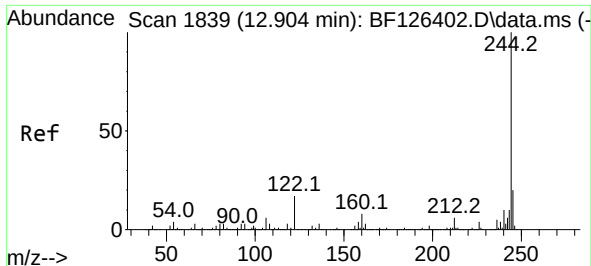
Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
185 122.6 11.8 17.8#
183 119.7 8.2 12.2#



#78
Pyrene
Concen: 22.393 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:202 Resp: 325608
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 17.3 13.8 20.8

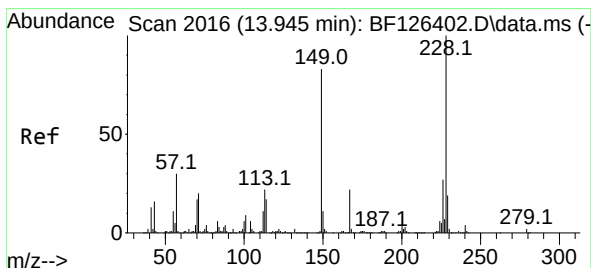
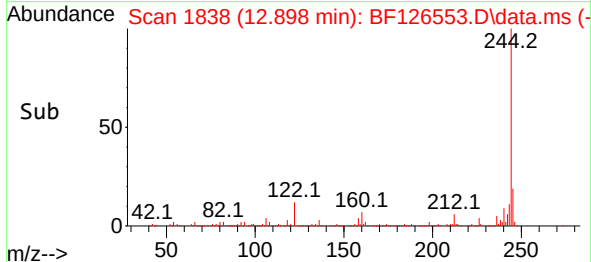
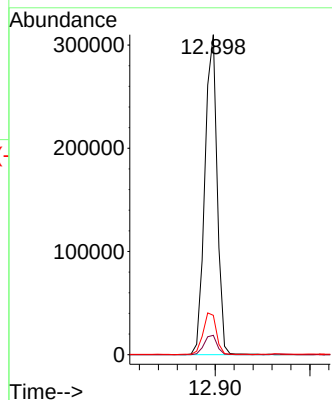
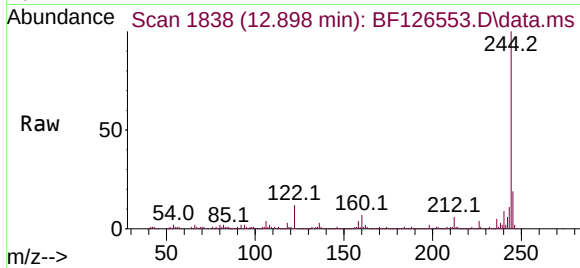




#79
 Terphenyl-d14
 Concen: 31.473 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

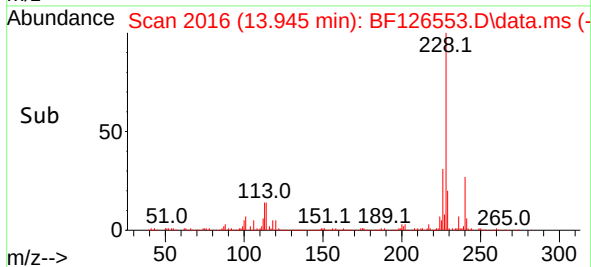
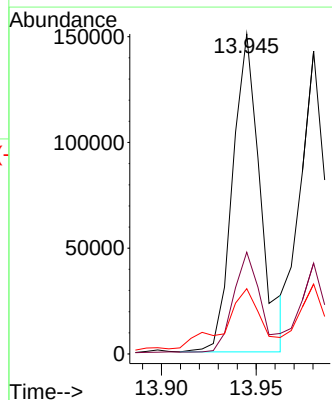
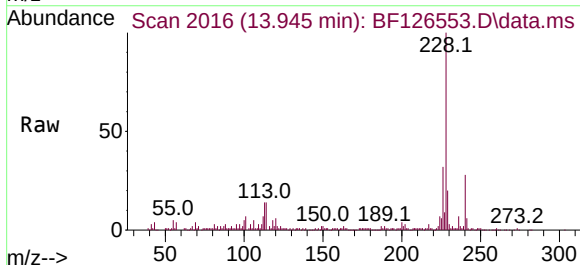
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 HR-2-010622

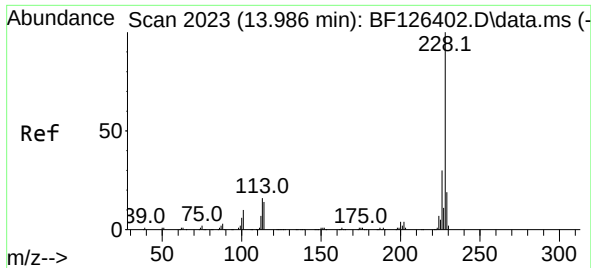
Tgt Ion:244 Resp: 278715
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 12.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 15.420 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

Tgt Ion:228 Resp: 152578
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.4 32.0
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 12.788 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

Instrument :

BNA_F

ClientSampleId :

HR-2-010622

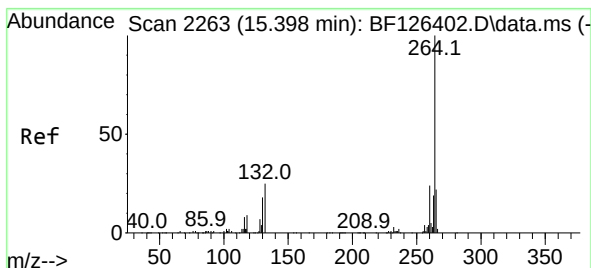
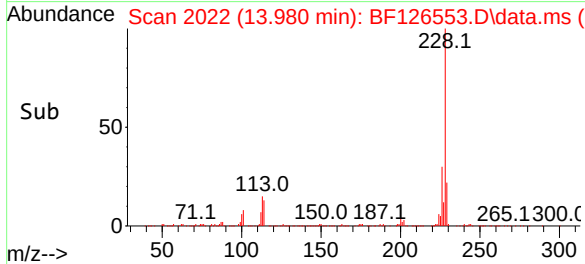
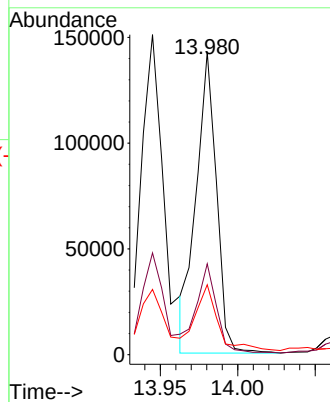
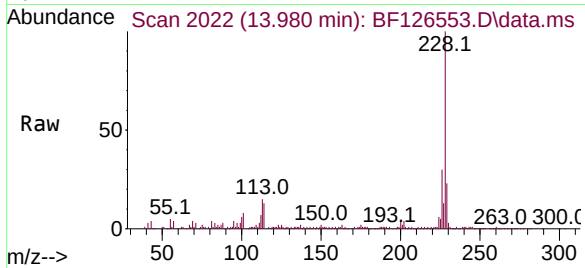
Tgt Ion:228 Resp: 129799

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 23.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.035 min

Lab File: BF126553.D

Acq: 7 Jan 2022 20:19

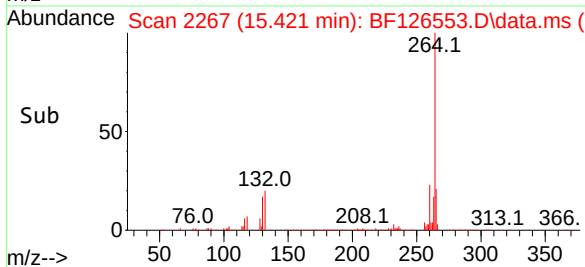
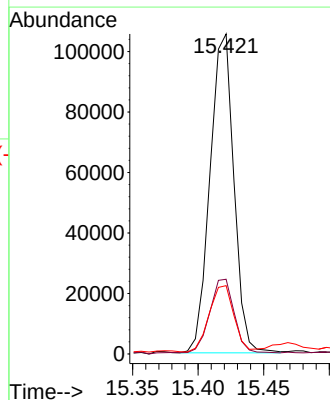
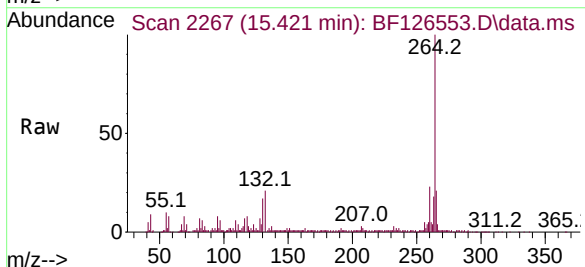
Tgt Ion:264 Resp: 133864

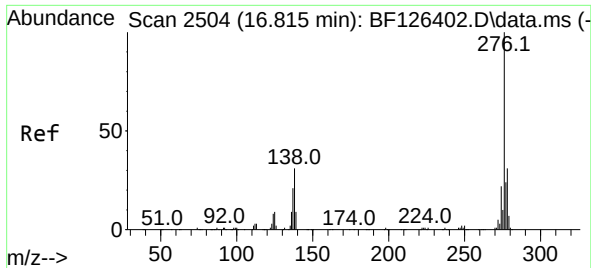
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.4 26.2

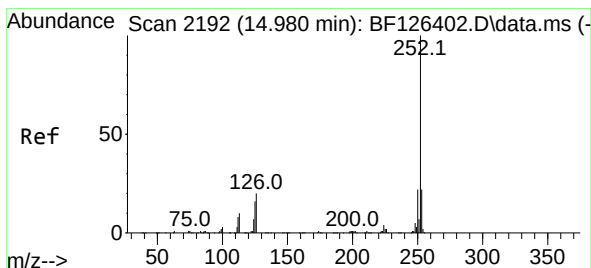
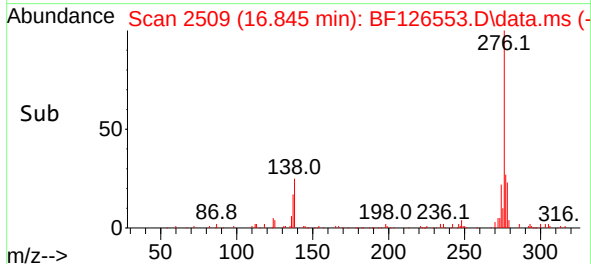
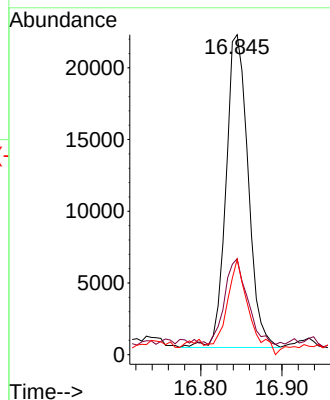
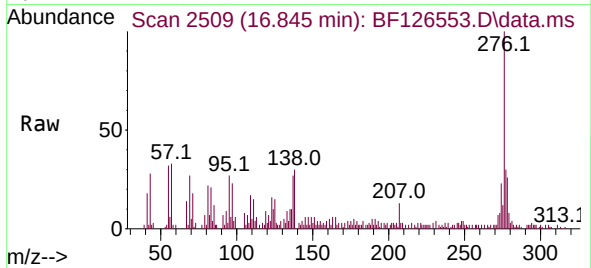




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.611 ng
 RT: 16.845 min Scan# 2109
 Delta R.T. 0.035 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

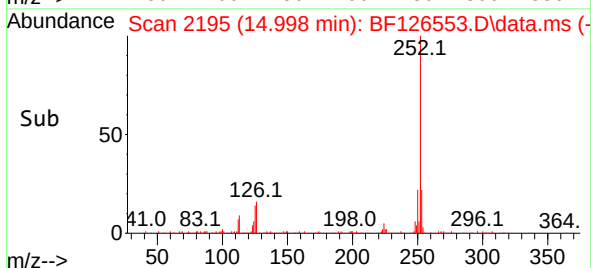
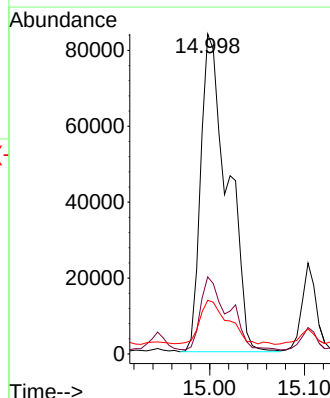
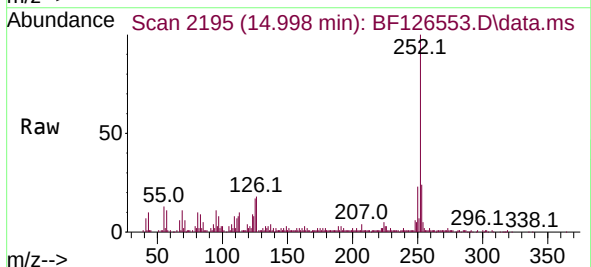
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622

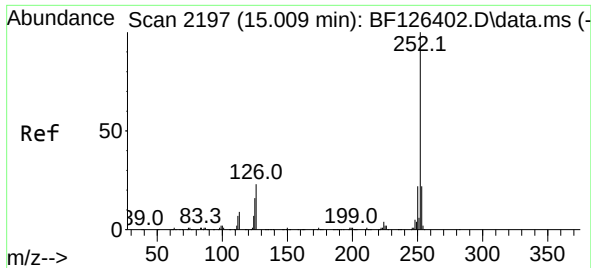
Tgt Ion:276 Resp: 41312
 Ion Ratio Lower Upper
 276 100
 138 28.0 29.2 43.8#
 277 30.2 19.8 29.8#



#88
 Benzo(b)fluoranthene
 Concen: 20.745 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.024 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

Tgt Ion:252 Resp: 165432
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.8 26.8
 125 16.8 12.4 18.6

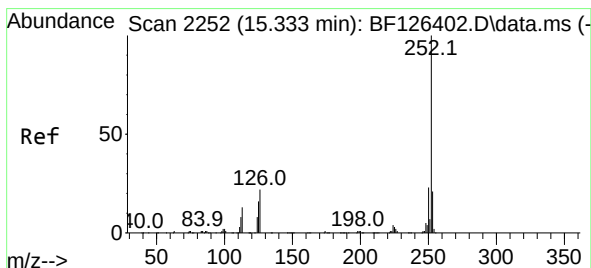
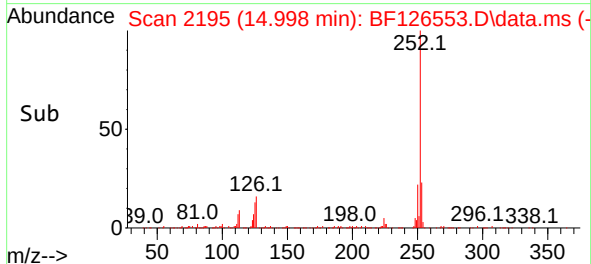
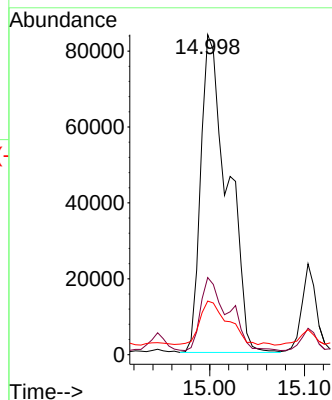
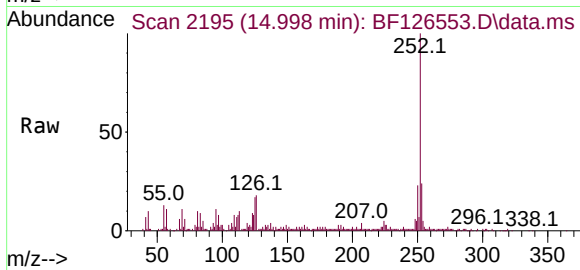




#89
Benzo(k)fluoranthene
Concen: 21.415 ng
RT: 14.998 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

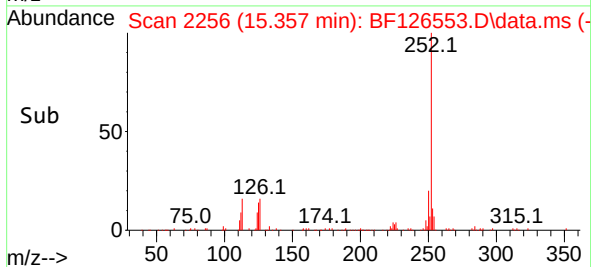
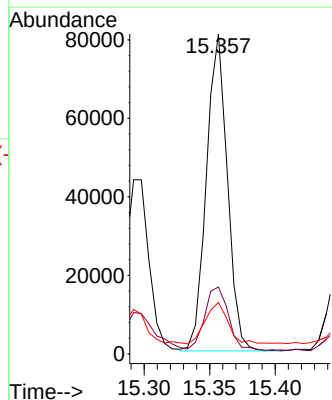
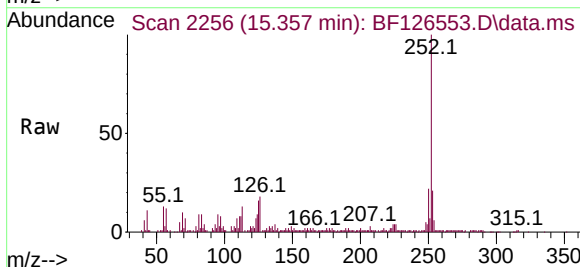
Instrument :
BNA_F
ClientSampleId :
HR-2-010622

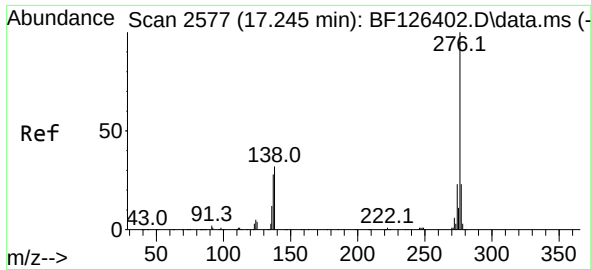
Tgt Ion:252 Resp: 165432
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 16.8 11.8 17.6



#90
Benzo(a)pyrene
Concen: 13.466 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.030 min
Lab File: BF126553.D
Acq: 7 Jan 2022 20:19

Tgt Ion:252 Resp: 90039
Ion Ratio Lower Upper
252 100
253 20.9 17.1 25.7
125 16.1 13.0 19.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.841 ng
 RT: 17.274 min Scan# 21
 Delta R.T. 0.041 min
 Lab File: BF126553.D
 Acq: 7 Jan 2022 20:19

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-010622

Tgt Ion:276 Resp: 37263
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.5 27.7
 138 30.3 25.9 38.9

