

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127187.D
 Acq On : 03 Mar 2022 22:49
 Operator : CG\JU
 Sample : N1726-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 279

Quant Time: Mar 04 02:15:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

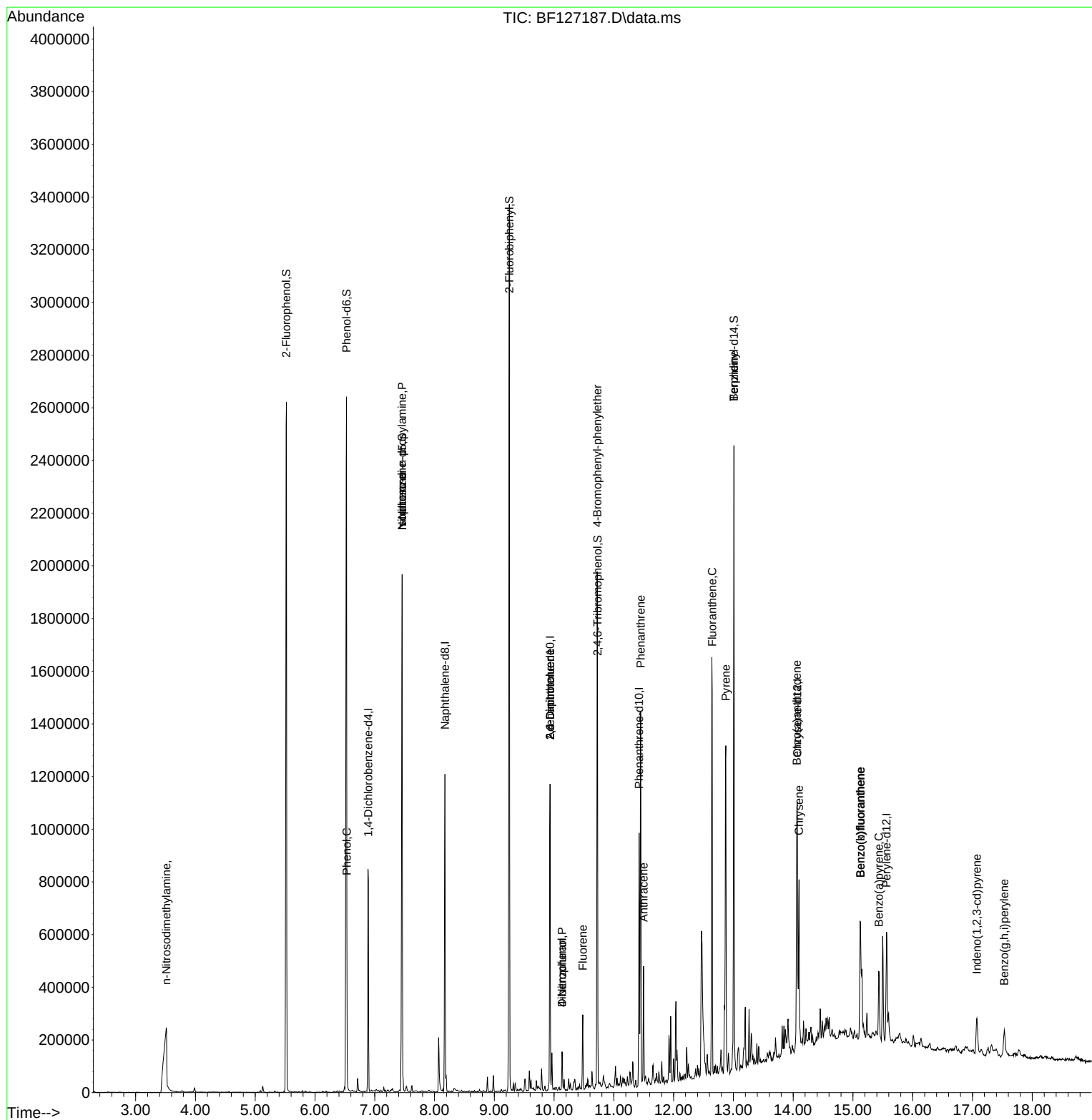
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	117015	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	463676	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	220559	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	324208	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	198389	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	171813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	710824	93.888	ng	0.01
7) Phenol-d6	6.528	99	917680	89.828	ng	0.00
23) Nitrobenzene-d5	7.457	82	622390	60.588	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	216018	85.065	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	932353	62.231	ng	0.00
79) Terphenyl-d14	13.010	244	720444	53.384	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.516	42	20115	4.519	ng	# 1
10) Phenol	6.534	94	27298	2.645	ng	# 55
19) n-Nitroso-di-n-propyla...	7.457	70	85974	13.060	ng	# 78
25) Isophorone	7.457	82	619713	36.457	ng	# 69
51) 2,6-Dinitrotoluene	9.933	165	29074	9.064	ng	# 22
55) Dibenzofuran	10.133	168	42822	2.275	ng	92
56) 4-Nitrophenol	10.133	139	17805	6.149	ng	# 8
57) 2,4-Dinitrotoluene	9.933	165	29074	6.704	ng	# 16
58) Fluorene	10.480	166	69859	4.764	ng	98
67) 4-Bromophenyl-phenylether	10.722	248	12717	3.511	ng	# 1
71) Phenanthrene	11.451	178	521495	28.738	ng	99
72) Anthracene	11.498	178	144639	8.007	ng	99
75) Fluoranthene	12.645	202	610408	35.427	ng	94
77) Benzidine	13.010	184	11601	2.152	ng	# 95
78) Pyrene	12.874	202	500013	29.010	ng	100
81) Benzo(a)anthracene	14.063	228	252467	18.877	ng	95
83) Chrysene	14.098	228	225265	17.911	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	85962	7.630	ng	# 85
88) Benzo(b)fluoranthene	15.127	252	350352	30.361	ng	# 96
89) Benzo(k)fluoranthene	15.127	252	350352	31.477	ng	97
90) Benzo(a)pyrene	15.433	252	113189	12.558	ng	98
92) Benzo(g,h,i)perylene	17.533	276	75034	8.168	ng	# 89

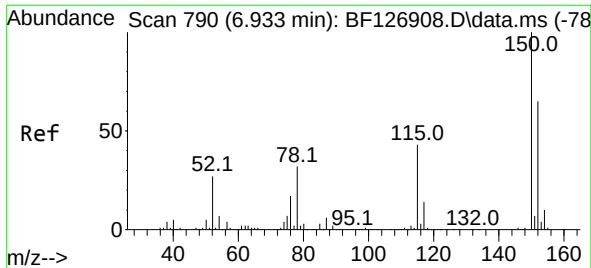
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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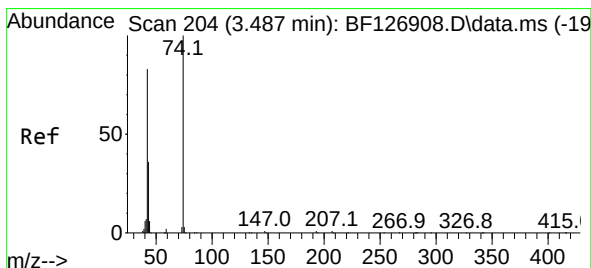
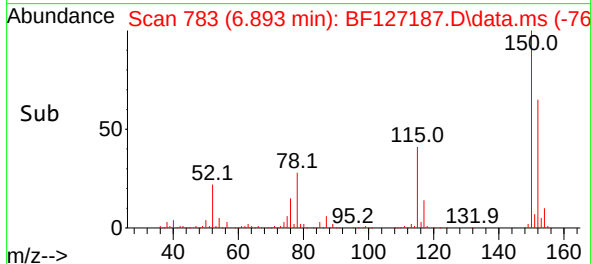
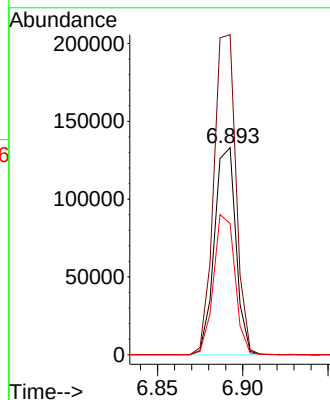
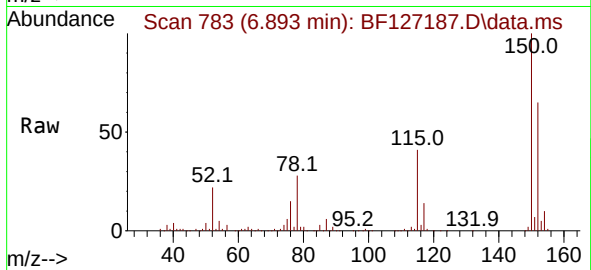




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

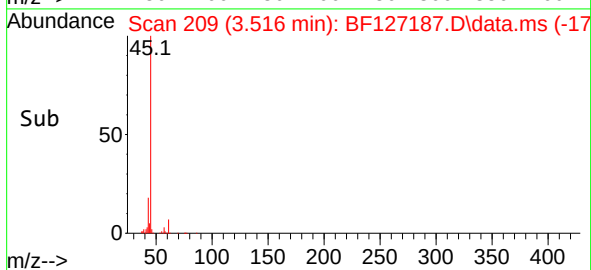
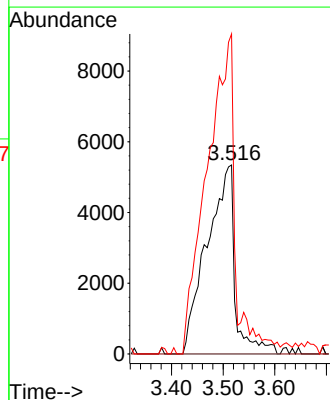
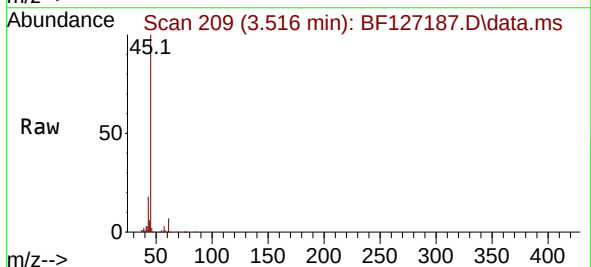
Instrument :
BNA_F
ClientSampleId :
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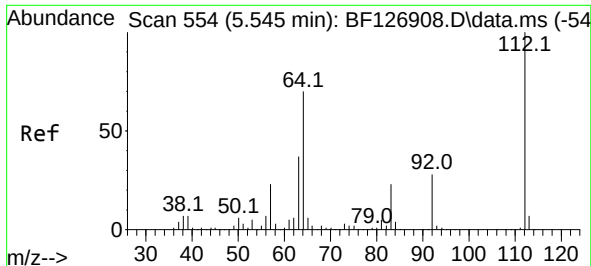
Tgt Ion:152 Resp: 117015
Ion Ratio Lower Upper
152 100
150 154.5 128.1 192.1
115 63.3 56.7 85.1



#4
n-Nitrosodimethylamine
Concen: 4.519 ng
RT: 3.516 min Scan# 209
Delta R.T. 0.100 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion: 42 Resp: 20115
Ion Ratio Lower Upper
42 100
74 0.0 125.6 188.4#
44 169.3 5.7 8.5#

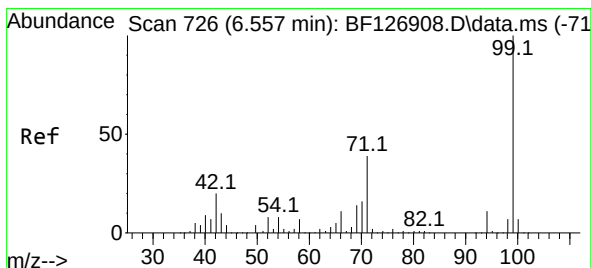
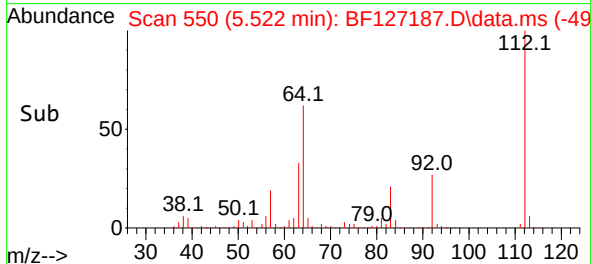
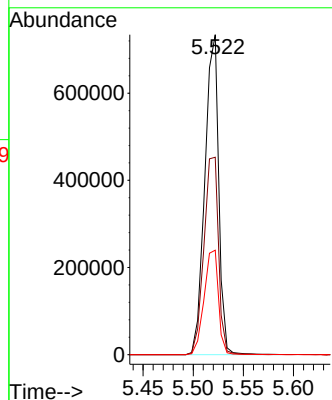
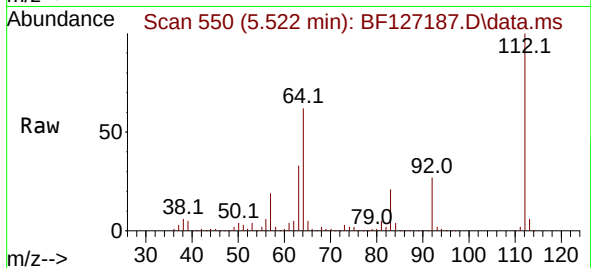




#5
2-Fluorophenol
Concen: 93.888 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

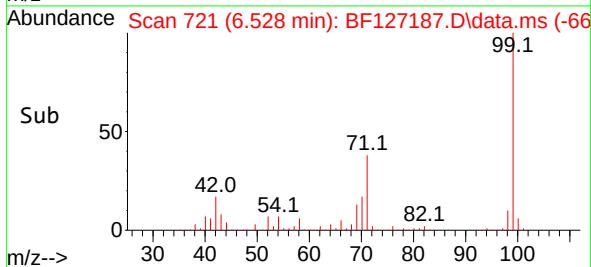
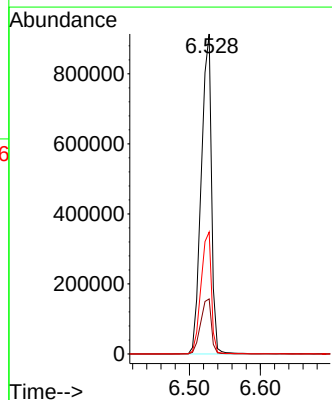
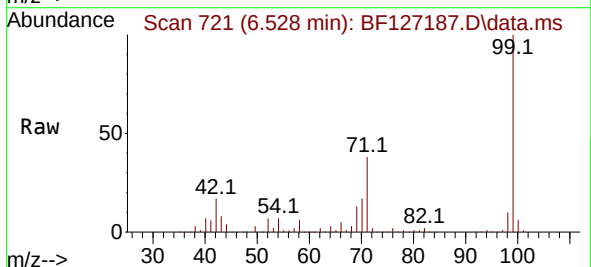
Instrument :
BNA_F
ClientSampleId :
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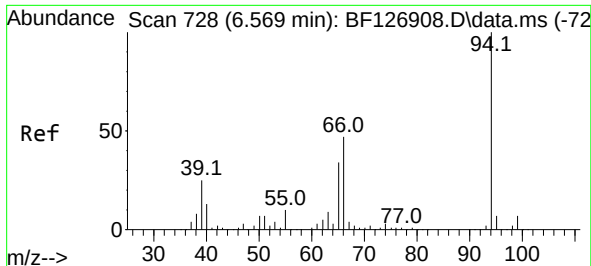
Tgt Ion:112 Resp: 710824
Ion Ratio Lower Upper
112 100
64 61.7 49.5 74.3
63 32.7 23.9 35.9



#7
Phenol-d6
Concen: 89.828 ng
RT: 6.528 min Scan# 721
Delta R.T. 0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion: 99 Resp: 917680
Ion Ratio Lower Upper
99 100
42 17.2 14.2 21.4
71 38.1 24.3 36.5#

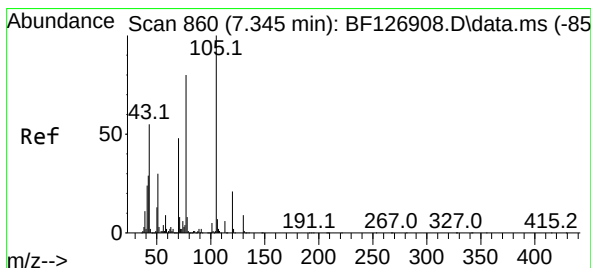
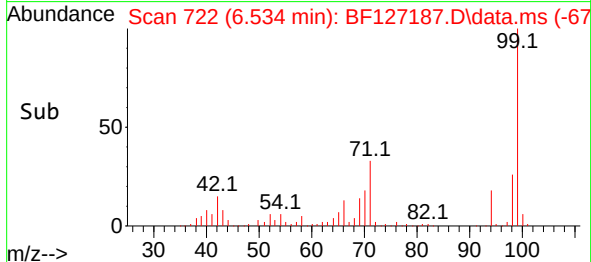
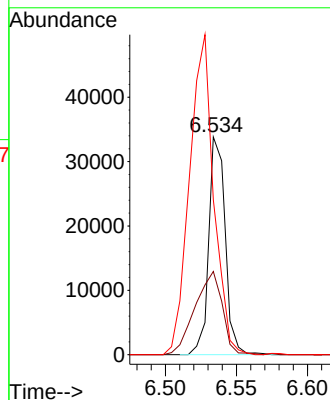
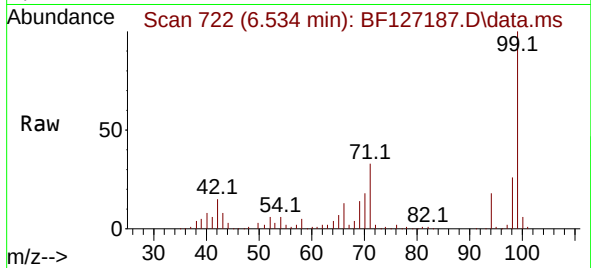




#10
Phenol
Concen: 2.645 ng
RT: 6.534 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

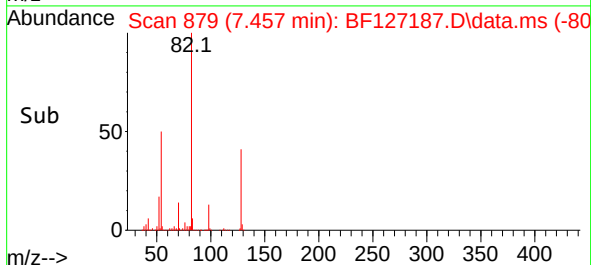
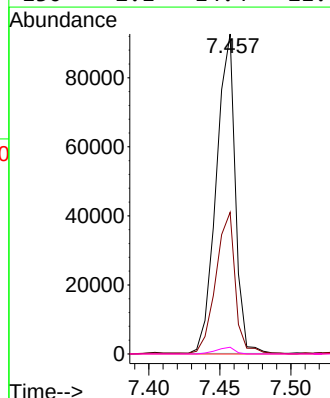
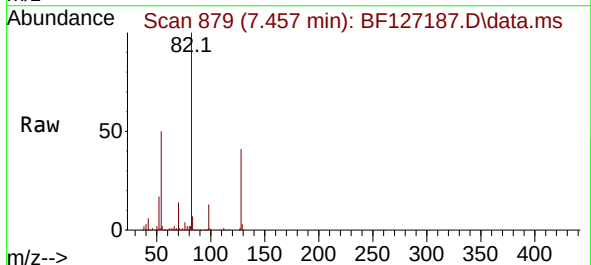
Instrument :
BNA_F
ClientSampleId :
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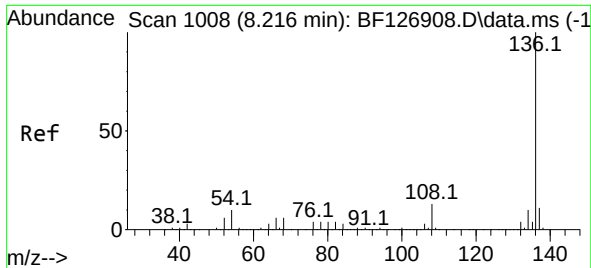
Tgt Ion: 94 Resp: 27298
Ion Ratio Lower Upper
94 100
65 38.2 7.2 47.2
66 71.2 14.5 54.5#



#19
n-Nitroso-di-n-propylamine
Concen: 13.060 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.153 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion: 70 Resp: 85974
Ion Ratio Lower Upper
70 100
42 44.3 45.8 68.8#
101 0.0 6.9 10.3#
130 2.1 14.4 21.6#

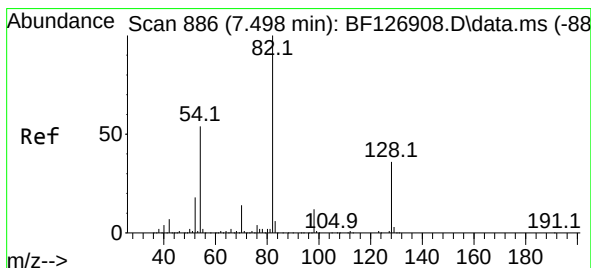
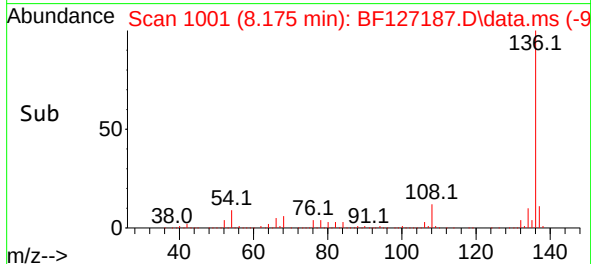
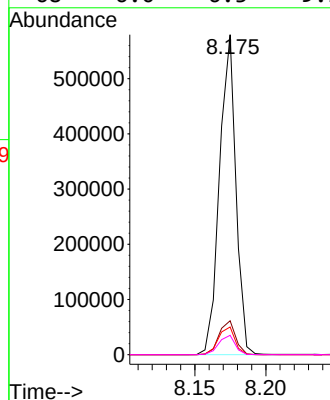
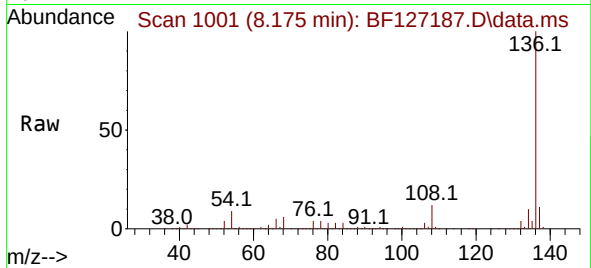




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

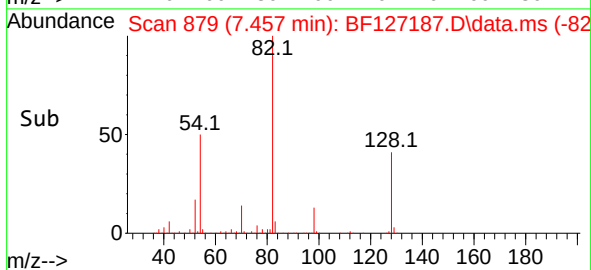
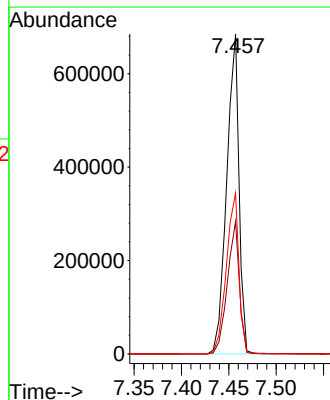
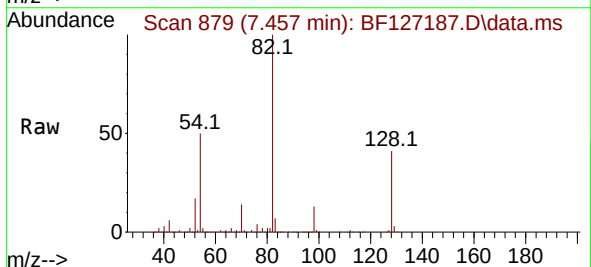
Instrument :
BNA_F
ClientSampleId :
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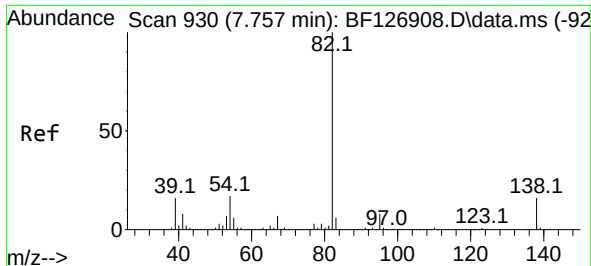
Tgt Ion:136 Resp: 463676
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.7 7.8 11.6
68 6.0 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 60.588 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion: 82 Resp: 622390
Ion Ratio Lower Upper
82 100
128 41.4 32.7 49.1
54 50.3 41.7 62.5

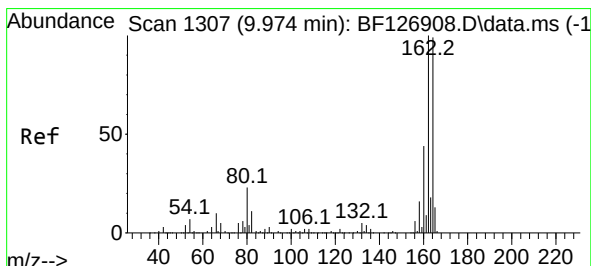
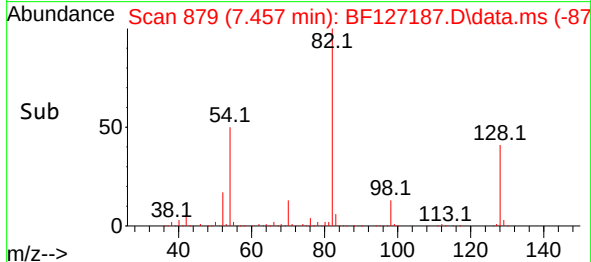
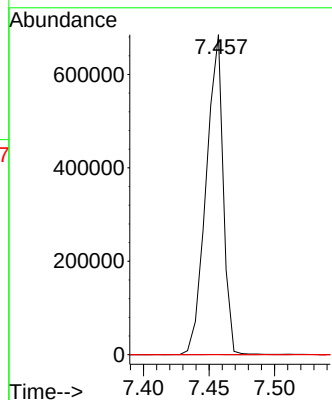
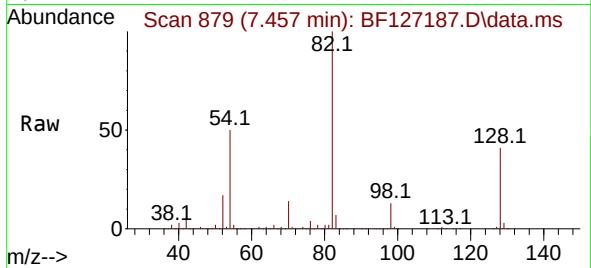




#25
Isophorone
Concen: 36.457 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

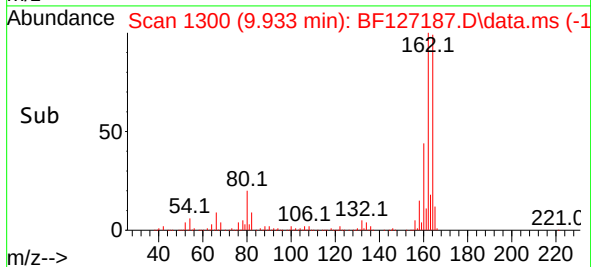
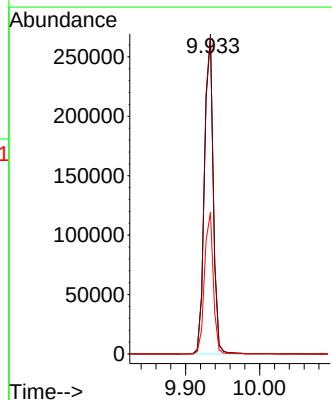
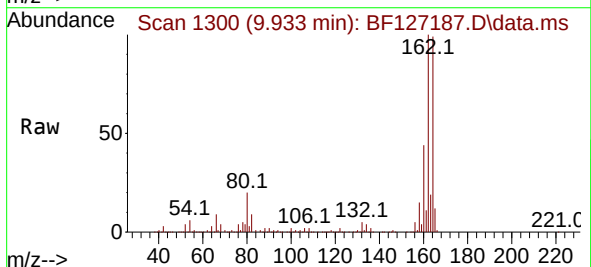
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ClientSampleId :
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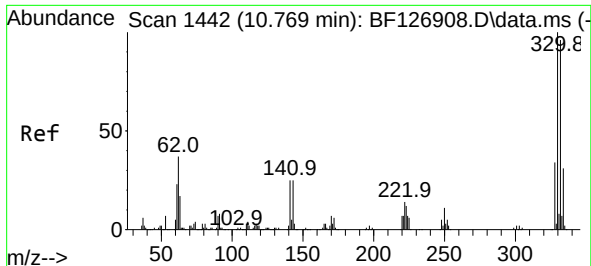
Tgt Ion: 82 Resp: 619713
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:164 Resp: 220559
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 44.7 36.6 54.8

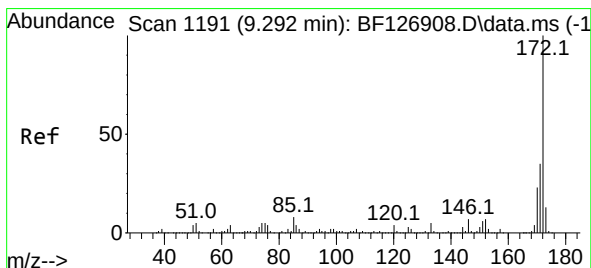
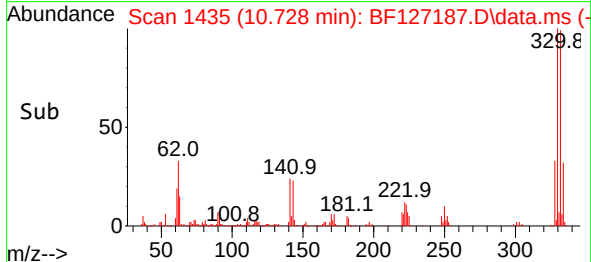
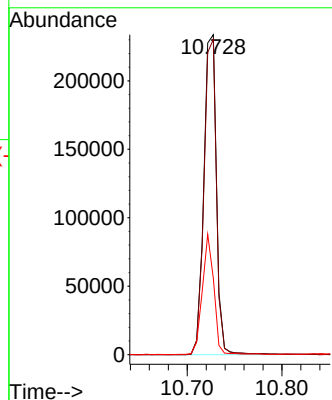
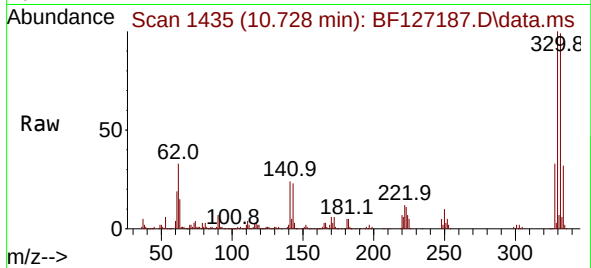




#42
2,4,6-Tribromophenol
Concen: 85.065 ng
RT: 10.728 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

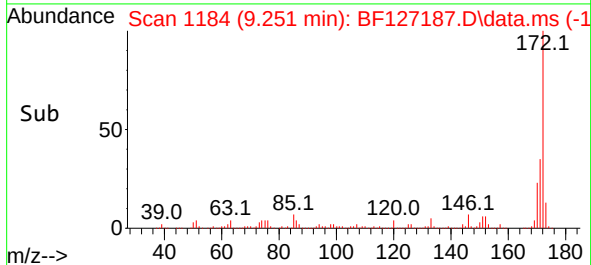
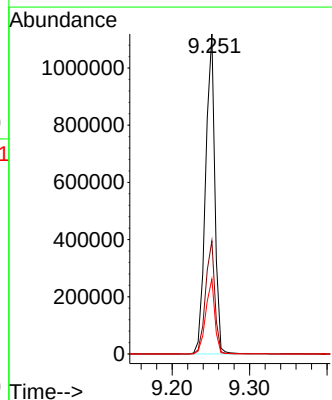
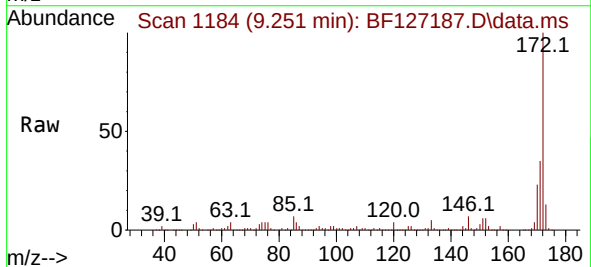
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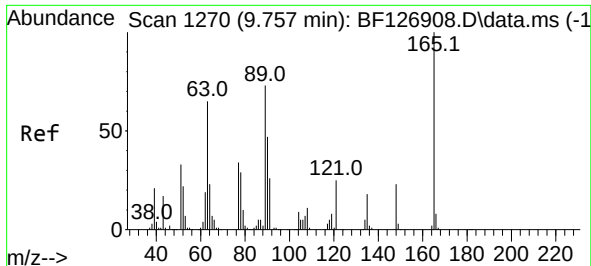
Tgt Ion:330 Resp: 216018
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 34.7 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 62.231 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:172 Resp: 932353
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.4 19.0 28.6

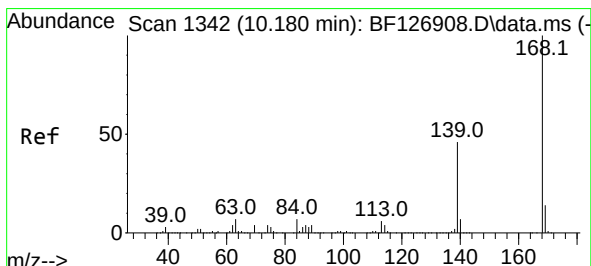
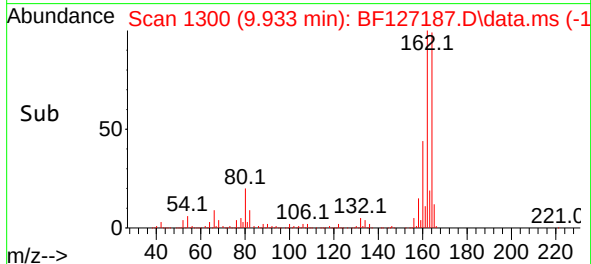
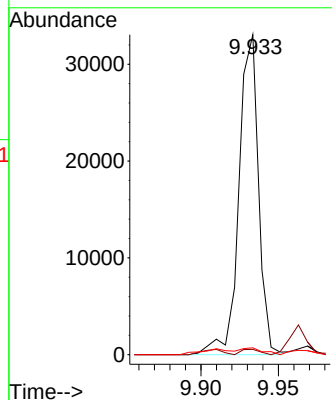
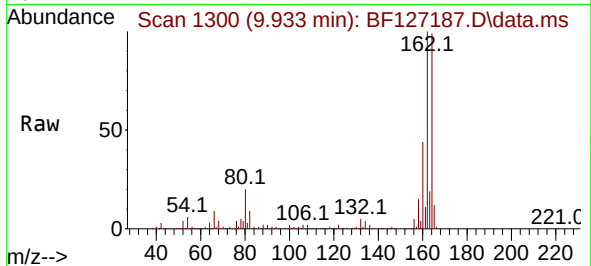




#51
2,6-Dinitrotoluene
Concen: 9.064 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

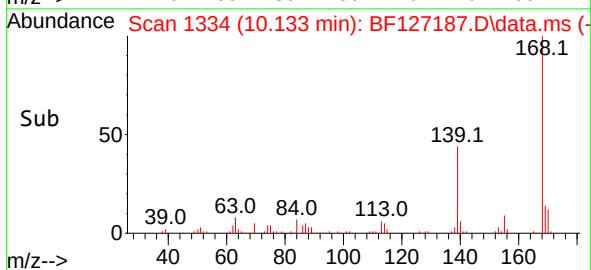
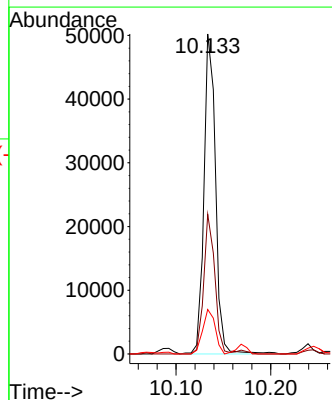
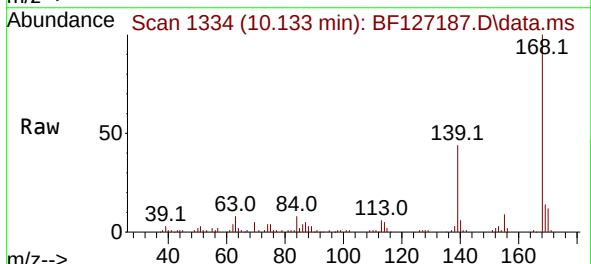
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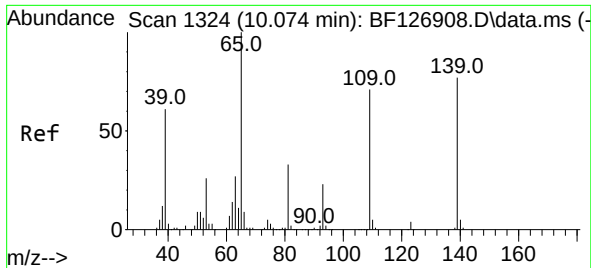
Tgt Ion:165 Resp: 29074
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 2.1 50.5 75.7#



#55
Dibenzofuran
Concen: 2.275 ng
RT: 10.133 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:168 Resp: 42822
Ion Ratio Lower Upper
168 100
139 43.7 30.6 46.0
169 13.9 10.0 15.0

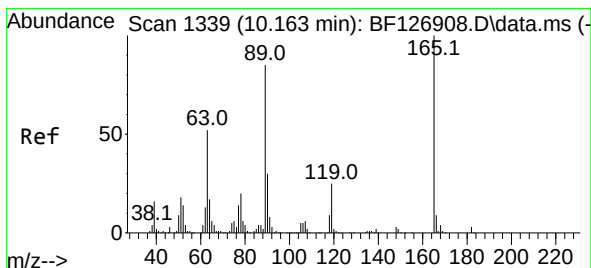
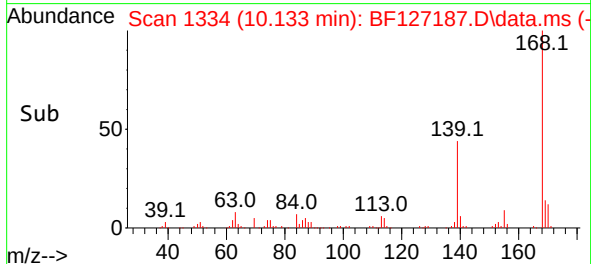
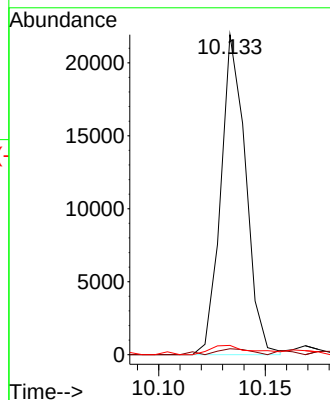
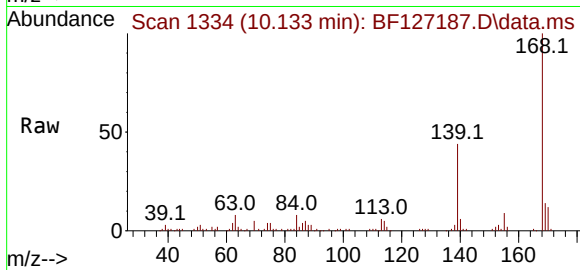




#56
4-Nitrophenol
Concen: 6.149 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

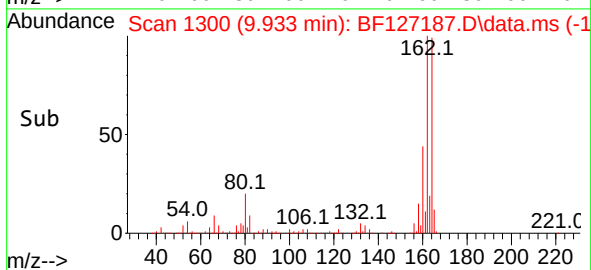
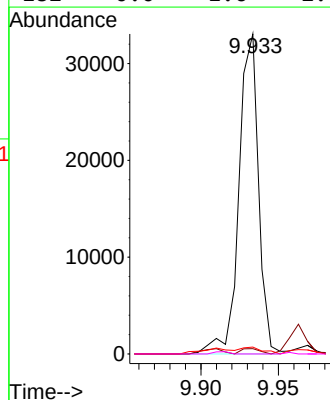
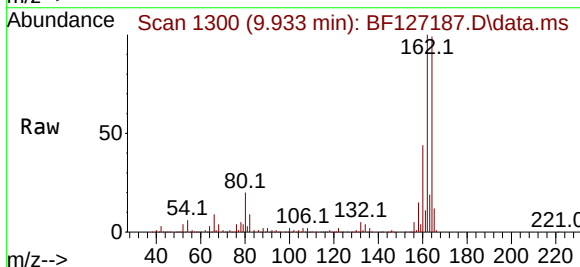
Instrument :
BNA_F
ClientSampleId :
279

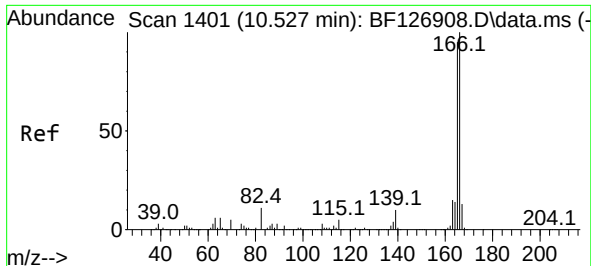
Tgt Ion:139 Resp: 17805
Ion Ratio Lower Upper
139 100
109 1.9 44.1 84.1#
65 2.9 85.5 125.5#



#57
2,4-Dinitrotoluene
Concen: 6.704 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.194 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:165 Resp: 29074
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 2.1 71.0 106.4#
182 0.0 1.6 2.4#

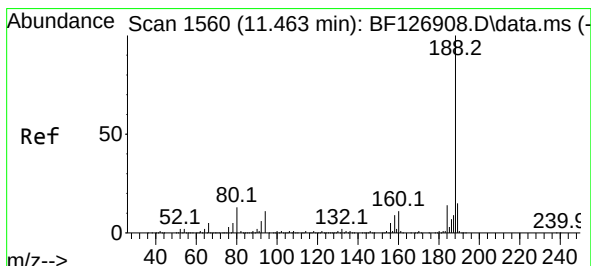
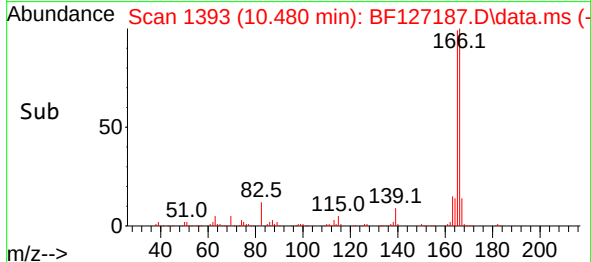
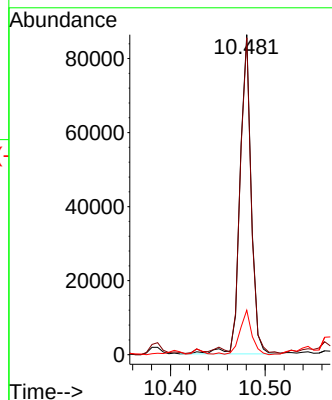
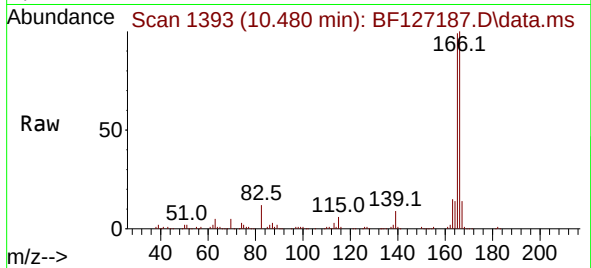




#58
 Fluorene
 Concen: 4.764 ng
 RT: 10.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127187.D
 Acq: 03 Mar 2022 22:49

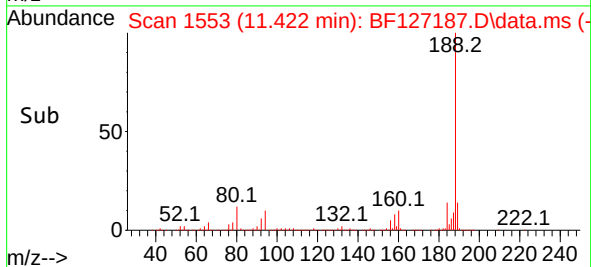
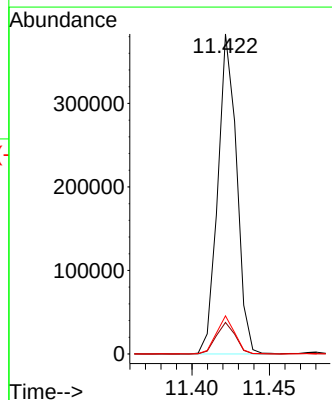
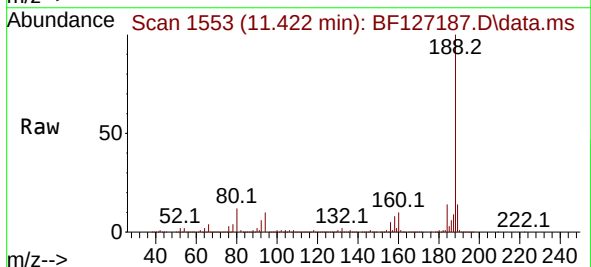
Instrument :
 BNA_F
 ClientSampleId :
 279

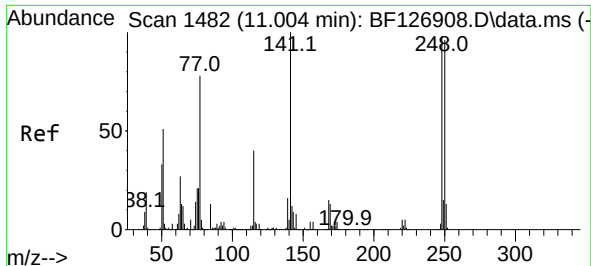
Tgt Ion:166 Resp: 69859
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.7 116.5
 167 13.9 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. -0.006 min
 Lab File: BF127187.D
 Acq: 03 Mar 2022 22:49

Tgt Ion:188 Resp: 324208
 Ion Ratio Lower Upper
 188 100
 94 9.9 10.1 15.1#
 80 11.9 11.8 17.6





#67

4-Bromophenyl-phenylether

Concen: 3.511 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.247 min

Lab File: BF127187.D

Acq: 03 Mar 2022 22:49

Instrument :

BNA_F

ClientSampleId :

279

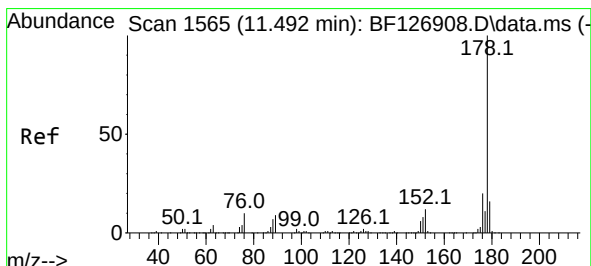
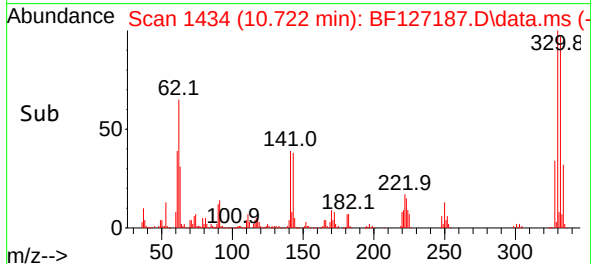
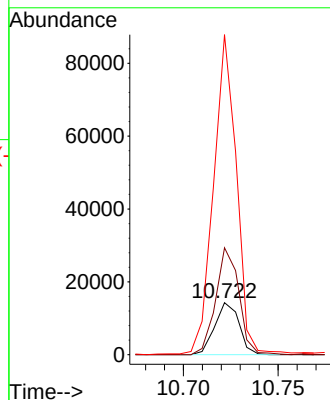
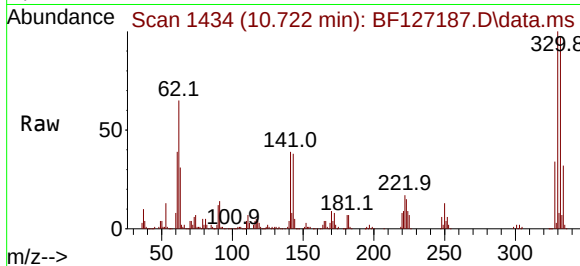
Tgt Ion:248 Resp: 12717

Ion Ratio Lower Upper

248 100

250 205.5 76.2 114.4#

141 615.3 66.2 99.4#



#71

Phenanthrene

Concen: 28.738 ng

RT: 11.451 min Scan# 1558

Delta R.T. -0.000 min

Lab File: BF127187.D

Acq: 03 Mar 2022 22:49

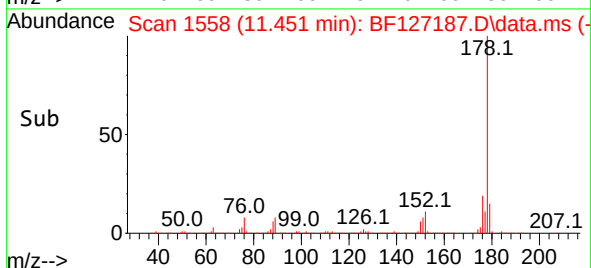
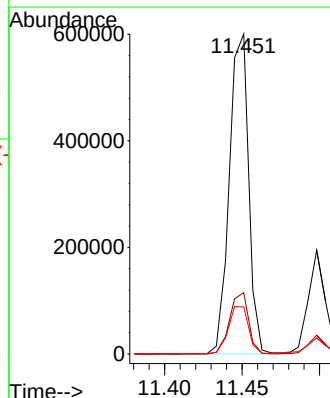
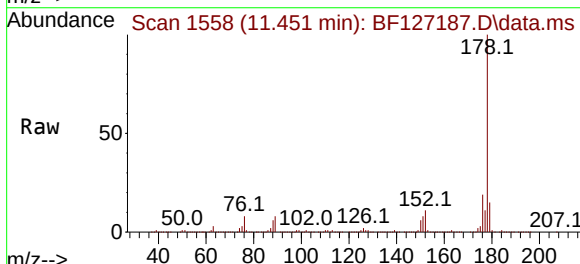
Tgt Ion:178 Resp: 521495

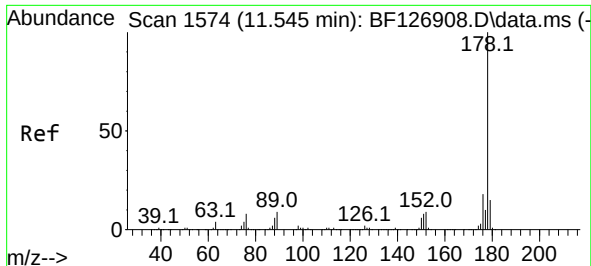
Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 14.7 12.3 18.5

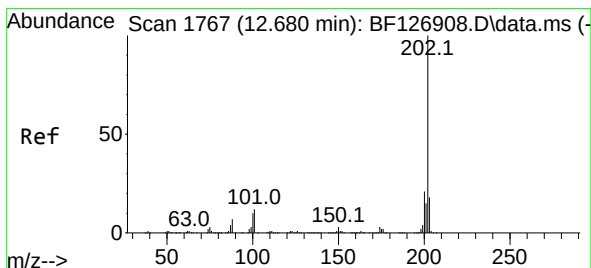
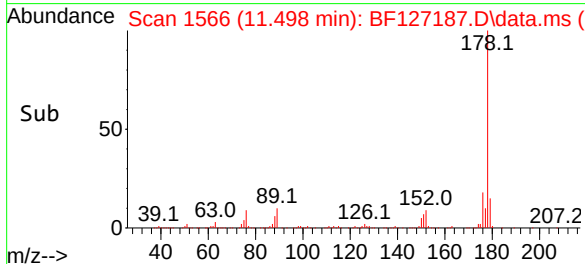
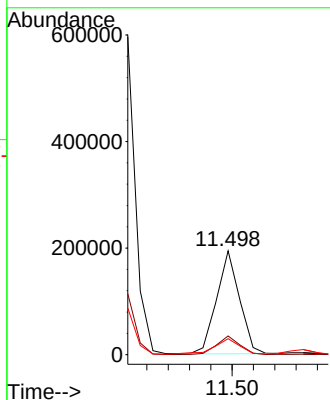
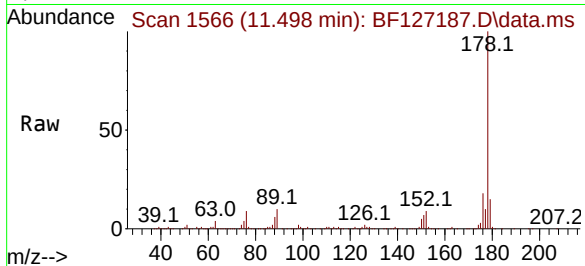




#72
 Anthracene
 Concen: 8.007 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127187.D
 Acq: 03 Mar 2022 22:49

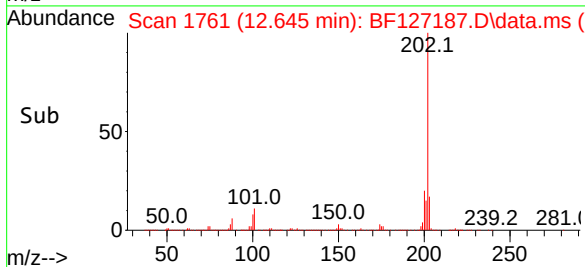
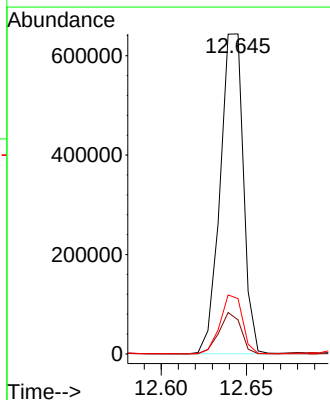
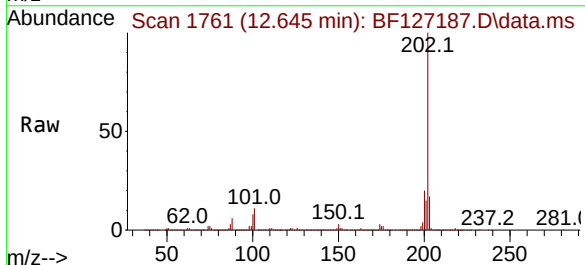
Instrument :
 BNA_F
 ClientSampleId :
 279

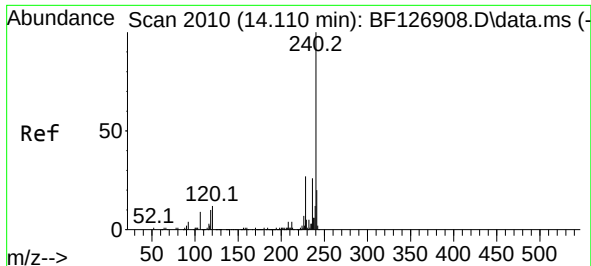
Tgt Ion:178 Resp: 144639
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.6
 179 15.5 12.5 18.7



#75
 Fluoranthene
 Concen: 35.427 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. 0.000 min
 Lab File: BF127187.D
 Acq: 03 Mar 2022 22:49

Tgt Ion:202 Resp: 610408
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 35.7
 203 17.3 0.0 37.1

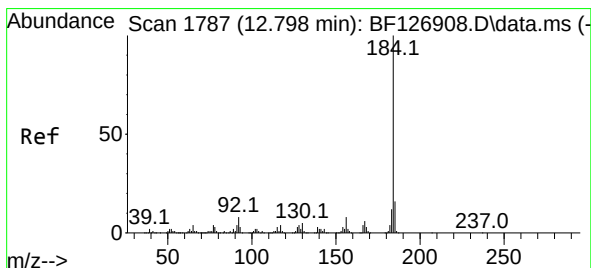
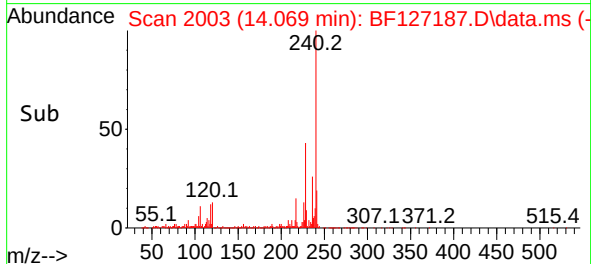
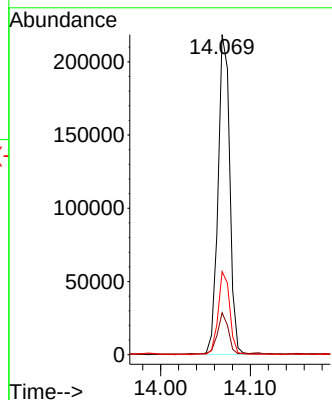
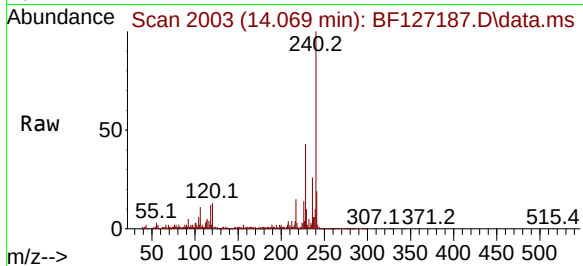




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

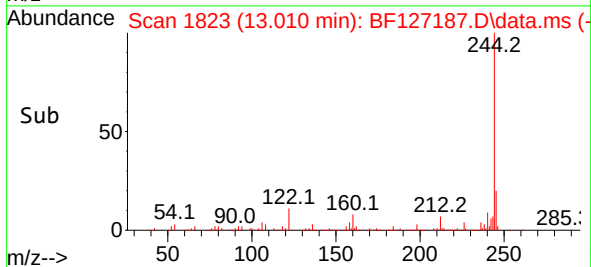
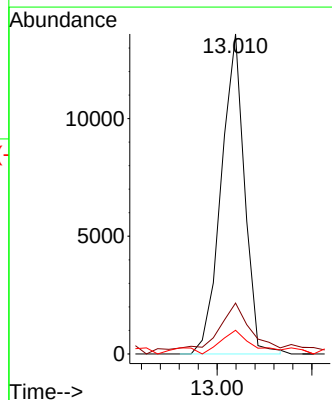
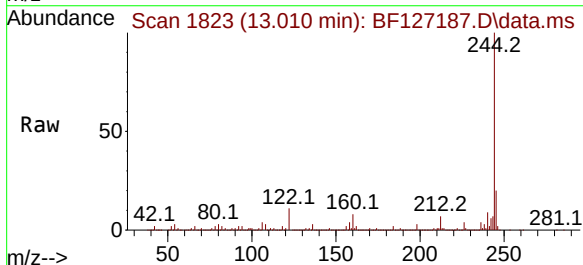
Instrument :
BNA_F
ClientSampleId :
279

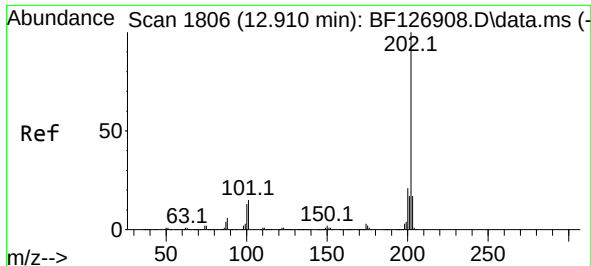
Tgt Ion:240 Resp: 198389
Ion Ratio Lower Upper
240 100
120 13.1 14.4 21.6#
236 25.9 20.5 30.7



#77
Benzidine
Concen: 2.152 ng
RT: 13.010 min Scan# 1823
Delta R.T. 0.247 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:184 Resp: 11601
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.8
183 7.4 8.2 12.2#

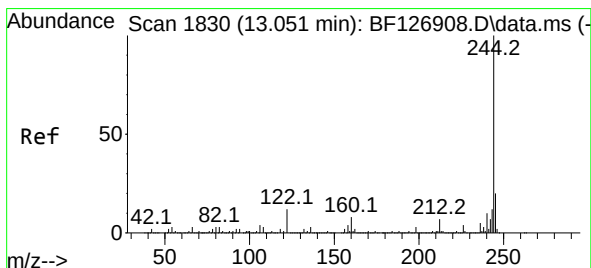
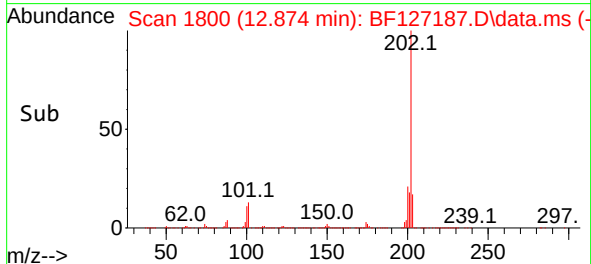
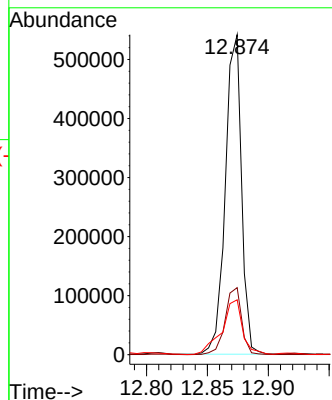
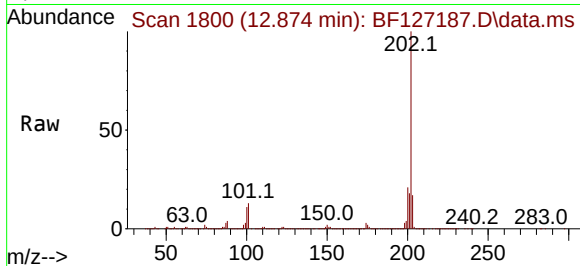




#78
Pyrene
Concen: 29.010 ng
RT: 12.874 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

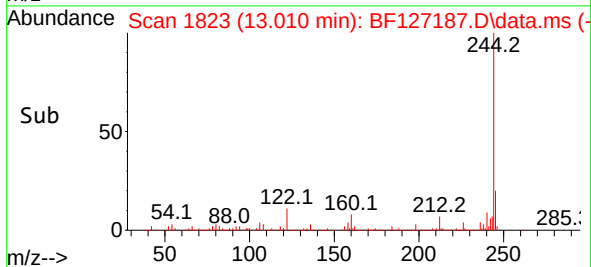
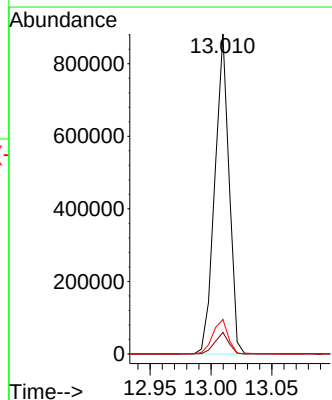
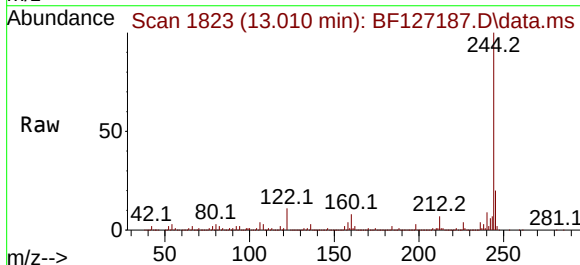
Instrument :
BNA_F
ClientSampleId :
279

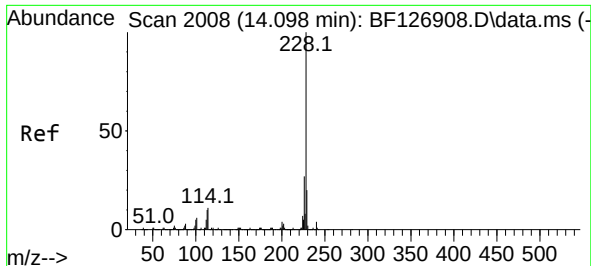
Tgt Ion:202 Resp: 500013
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.1 13.8 20.8



#79
Terphenyl-d14
Concen: 53.384 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:244 Resp: 720444
Ion Ratio Lower Upper
244 100
212 6.8 5.0 7.4
122 10.8 13.3 19.9#

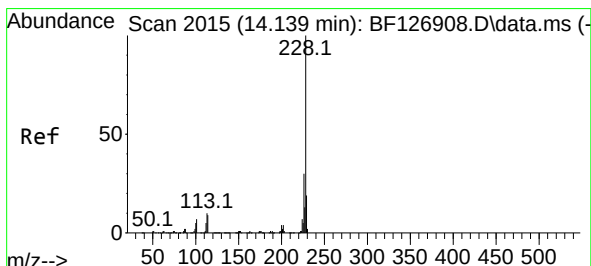
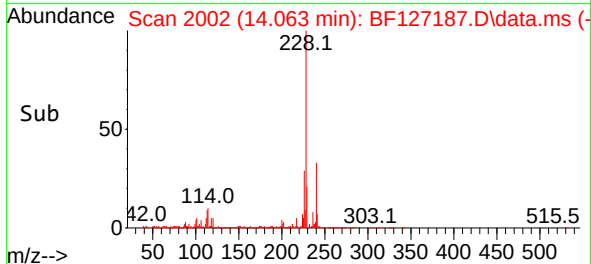
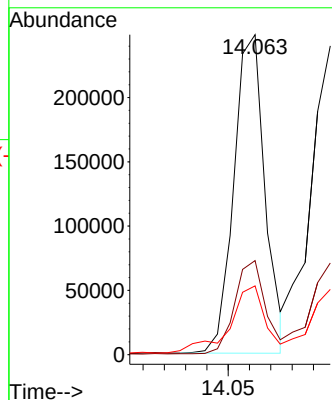
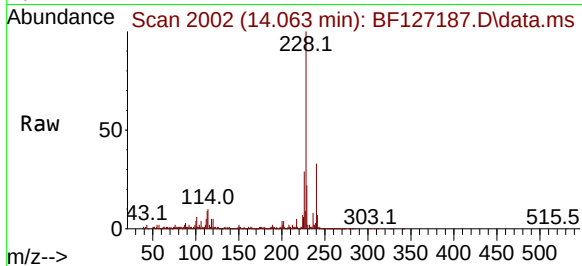




#81
Benzo(a)anthracene
Concen: 18.877 ng
RT: 14.063 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

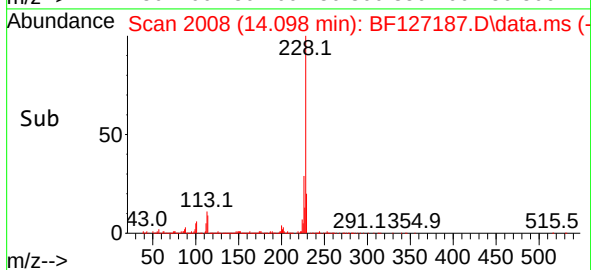
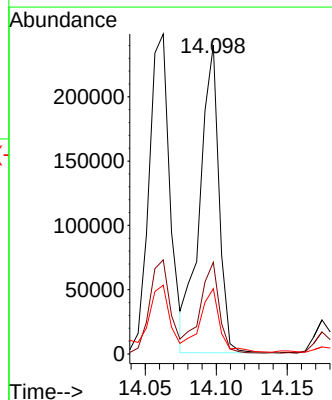
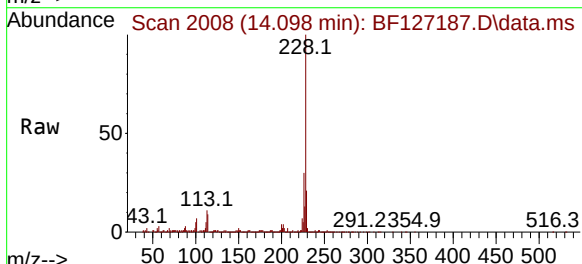
Instrument :
BNA_F
ClientSampleId :
279

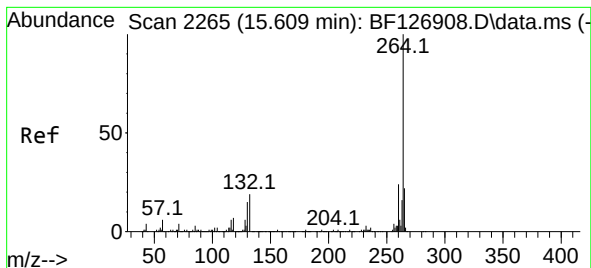
Tgt Ion:228 Resp: 252467
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.0
229 21.5 15.4 23.2



#83
Chrysene
Concen: 17.911 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:228 Resp: 225265
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 21.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127187.D

Acq: 03 Mar 2022 22:49

Instrument :

BNA_F

ClientSampleId :

279

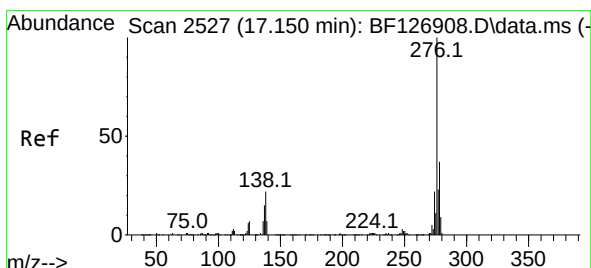
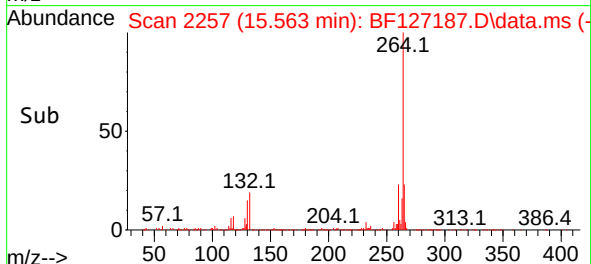
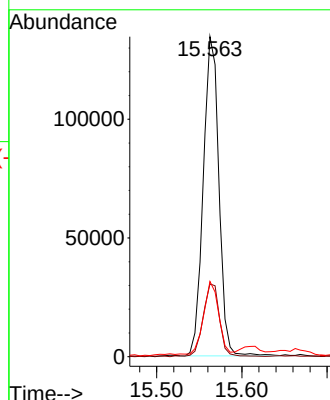
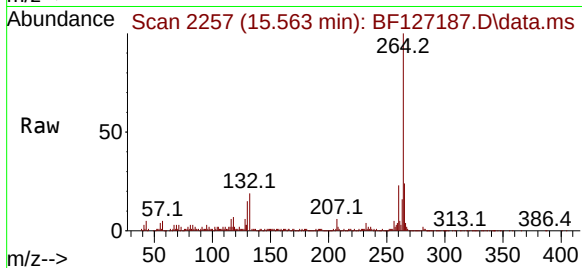
Tgt Ion:264 Resp: 171813

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 23.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.630 ng

RT: 17.074 min Scan# 2514

Delta R.T. -0.012 min

Lab File: BF127187.D

Acq: 03 Mar 2022 22:49

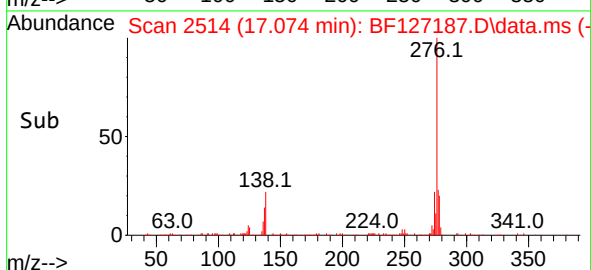
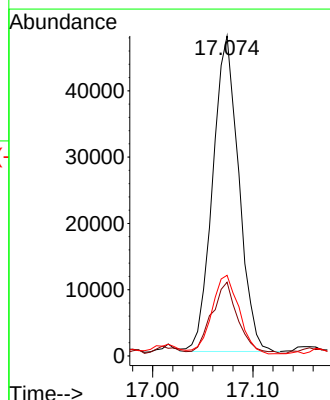
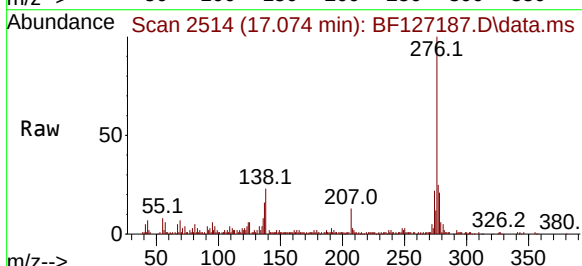
Tgt Ion:276 Resp: 85962

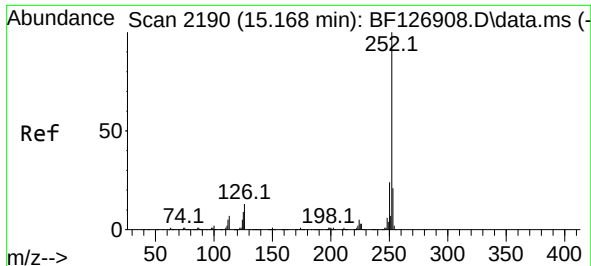
Ion Ratio Lower Upper

276 100

138 22.6 29.2 43.8#

277 26.0 19.8 29.8

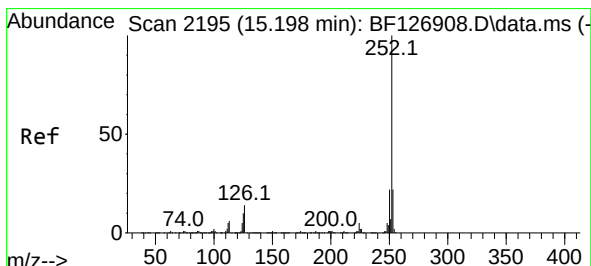
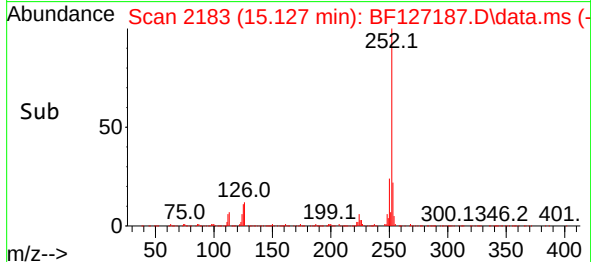
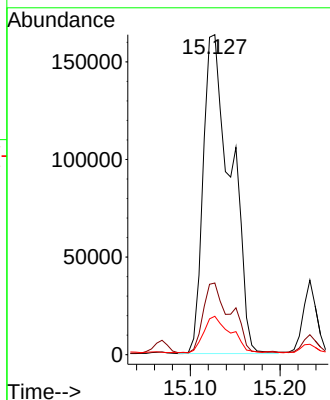
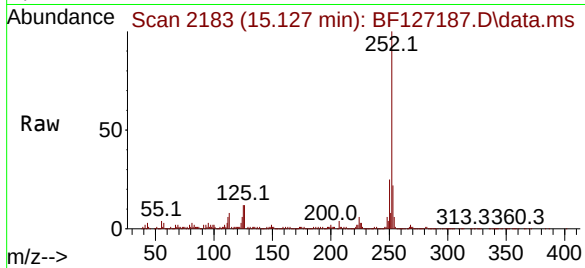




#88
Benzo(b)fluoranthene
Concen: 30.361 ng
RT: 15.127 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

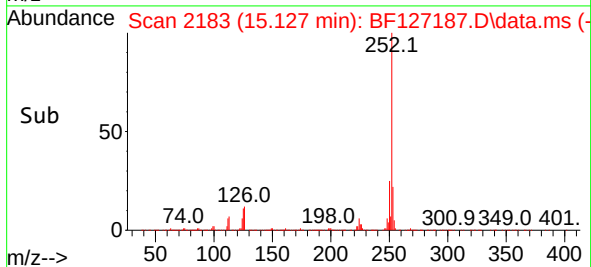
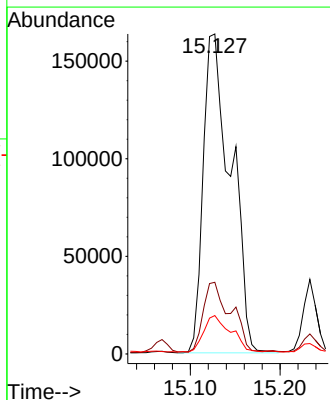
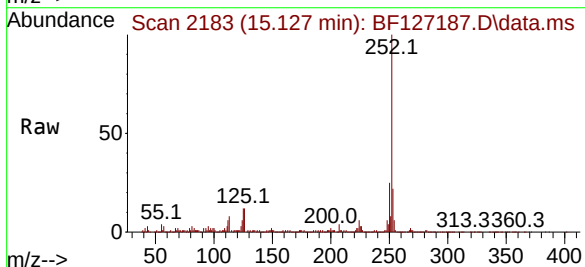
Instrument :
BNA_F
ClientSampleId :
279

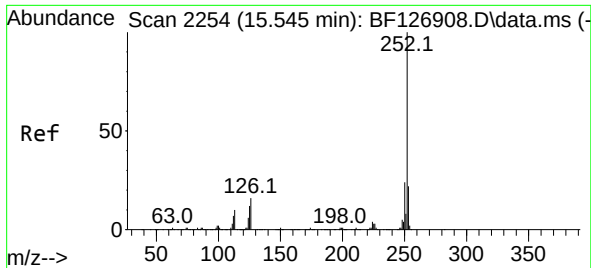
Tgt Ion:252 Resp: 350352
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 12.0 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 31.477 ng
RT: 15.127 min Scan# 2183
Delta R.T. -0.029 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:252 Resp: 350352
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 12.0 11.8 17.6

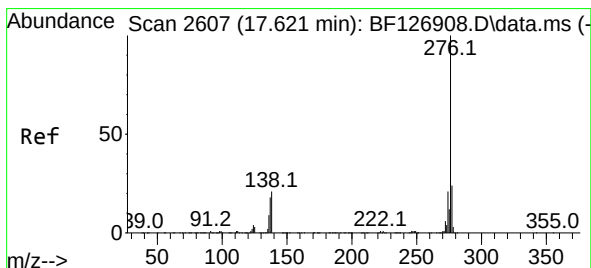
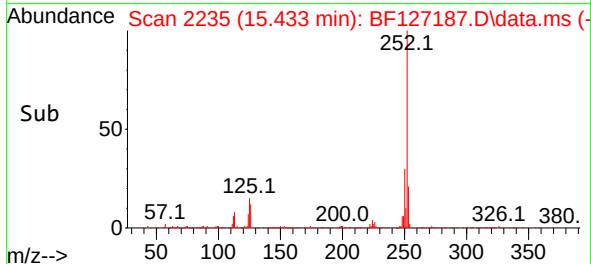
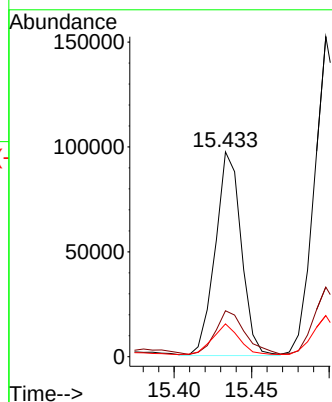
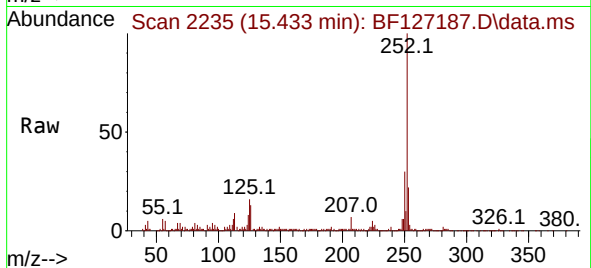




#90
Benzo(a)pyrene
Concen: 12.558 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.071 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion:252 Resp: 113189
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 16.1 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 8.168 ng
RT: 17.533 min Scan# 2592
Delta R.T. -0.018 min
Lab File: BF127187.D
Acq: 03 Mar 2022 22:49

Tgt Ion:276 Resp: 75034
Ion Ratio Lower Upper
276 100
277 23.9 18.5 27.7
138 22.5 25.9 38.9#

