

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133716.D
 Acq On : 12 Jun 2023 21:47
 Operator : CG\JU
 Sample : 03044-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-5.0-7.0

Quant Time: Jun 12 22:35:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

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

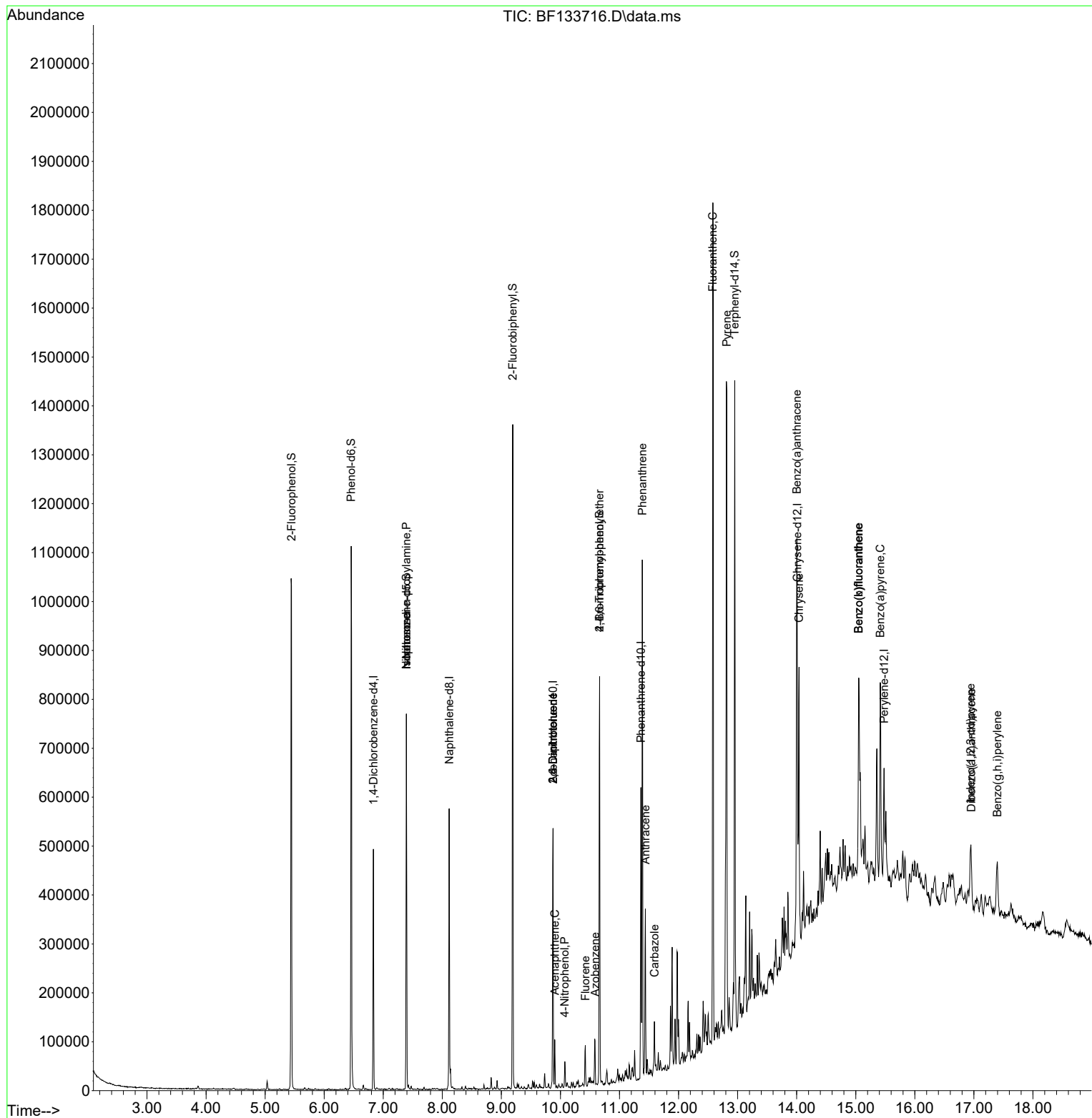
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	62753	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	213655	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	97785	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	199724	20.000	ng	0.00
76) Chrysene-d12	14.010	240	111445	20.000	ng	0.00
86) Perylene-d12	15.480	264	98560	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	266679	73.982	ng	0.00
7) Phenol-d6	6.457	99	314721	67.076	ng	-0.01
23) Nitrobenzene-d5	7.392	82	194199	49.507	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	86849	70.165	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	365659	53.156	ng	0.00
79) Terphenyl-d14	12.951	244	395615	54.929	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	27165	9.100	ng	# 80
25) Isophorone	7.392	82	194194	26.966	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	12625	8.380	ng	# 30
52) Acenaphthene	9.904	154	16718	2.901	ng	93
56) 4-Nitrophenol	10.075	139	6120	4.946	ng	# 13
57) 2,4-Dinitrotoluene	9.875	165	12625	6.589	ng	# 21
58) Fluorene	10.422	166	21448	3.189	ng	97
63) Azobenzene	10.586	77	14462	2.056	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	5432	2.437	ng	# 1
71) Phenanthrene	11.386	178	343313	33.881	ng	99
72) Anthracene	11.439	178	120898	11.443	ng	98
73) Carbazole	11.592	167	35625	3.620	ng	97
75) Fluoranthene	12.580	202	683636	63.532	ng	98
78) Pyrene	12.816	202	610209	58.778	ng	99
81) Benzo(a)anthracene	14.004	228	268098	34.779	ng	96
83) Chrysene	14.039	228	222889	30.570	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	99100	14.615	ng	96
88) Benzo(b)fluoranthene	15.051	252	301555	50.367	ng	# 95
89) Benzo(k)fluoranthene	15.051	252	301555	51.706	ng	95
90) Benzo(a)pyrene	15.415	252	184117	33.135	ng	96
91) Dibenzo(a,h)anthracene	16.956	278	24807	4.419	ng	# 65
92) Benzo(g,h,i)perylene	17.398	276	108720	19.534	ng	97

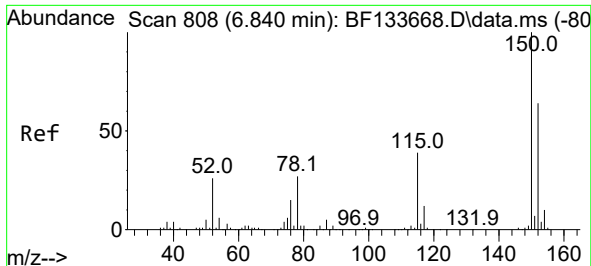
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133716.D
Acq On : 12 Jun 2023 21:47
Operator : CG\JU
Sample : 03044-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

Quant Time: Jun 12 22:35:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 16:32:43 2023
Response via : Initial Calibration

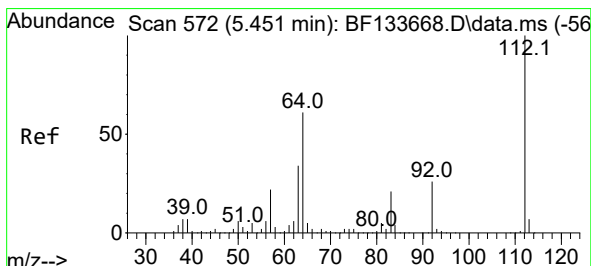
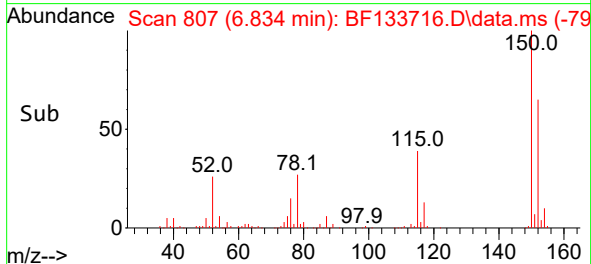
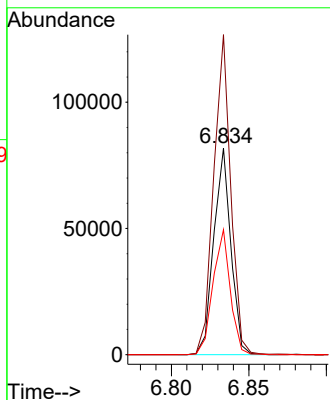
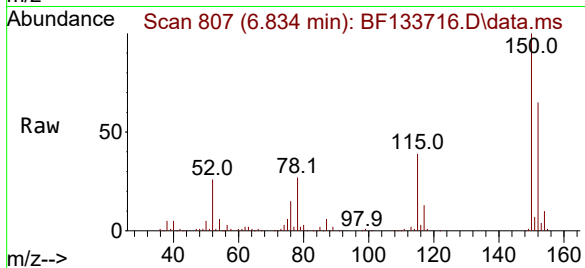




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

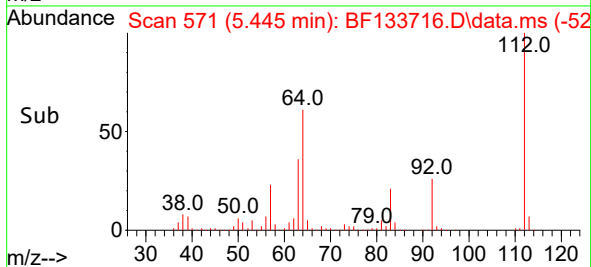
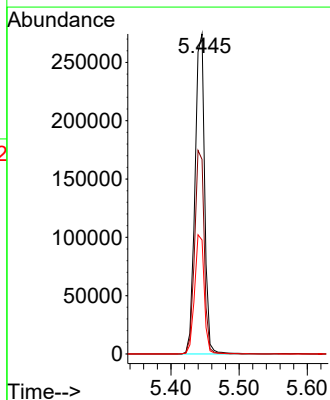
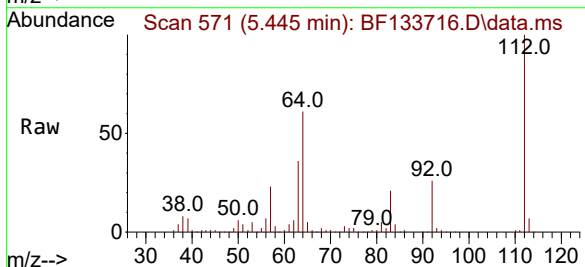
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

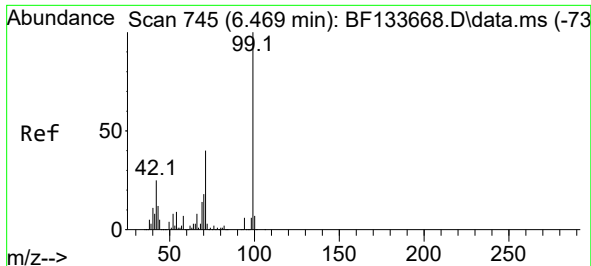
Tgt Ion:152 Resp: 62753
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 60.5 48.5 72.7



#5
2-Fluorophenol
Concen: 73.982 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:112 Resp: 266679
Ion Ratio Lower Upper
112 100
64 60.8 49.0 73.4
63 35.6 26.8 40.2

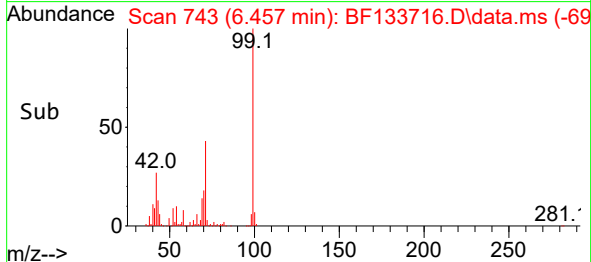
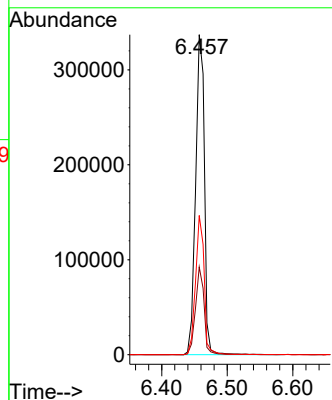
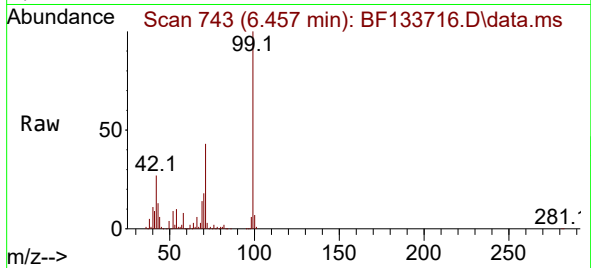




#7
Phenol-d6
Concen: 67.076 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

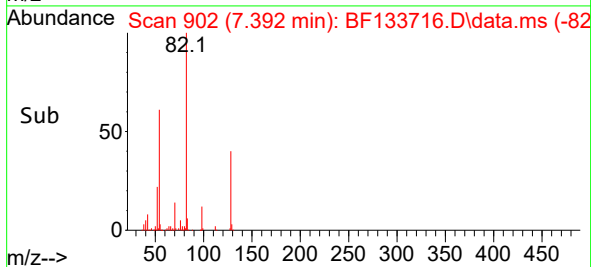
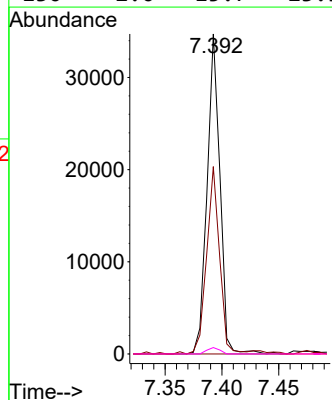
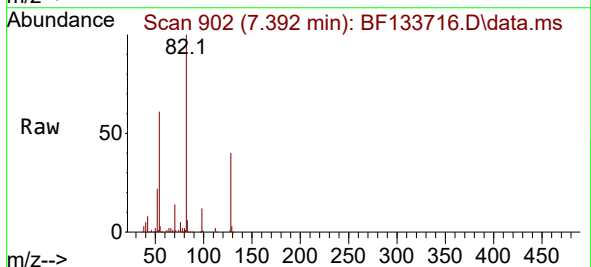
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

Tgt Ion: 99 Resp: 314721
Ion Ratio Lower Upper
99 100
42 27.4 19.9 29.9
71 43.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.100 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion: 70 Resp: 27165
Ion Ratio Lower Upper
70 100
42 58.6 55.8 83.8
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#

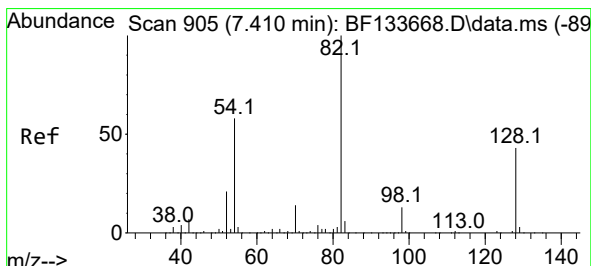
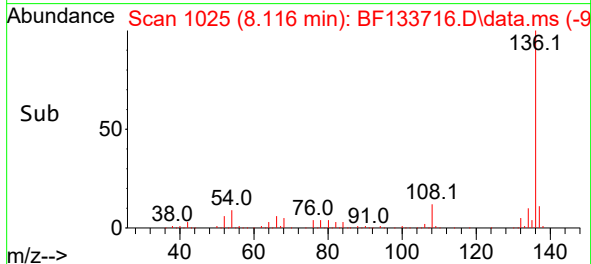
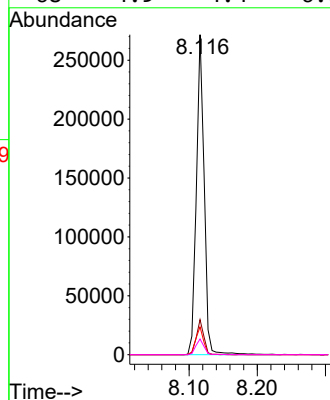
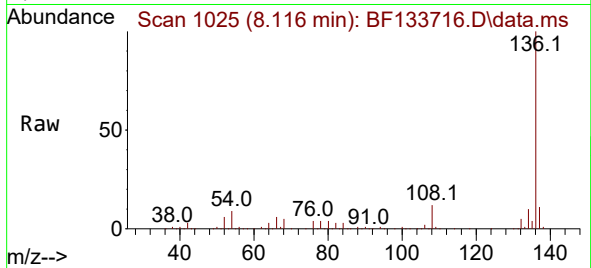




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

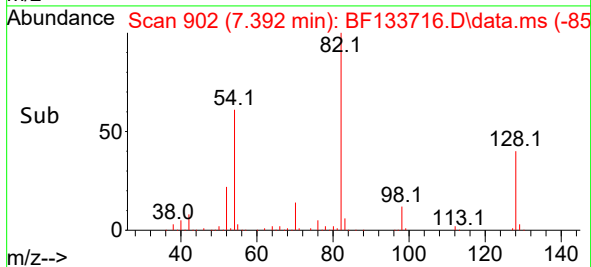
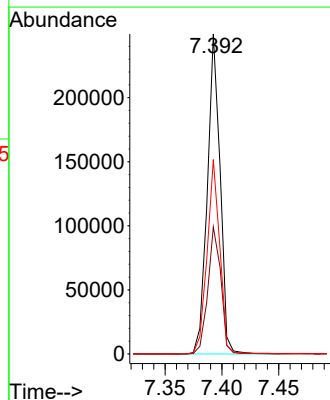
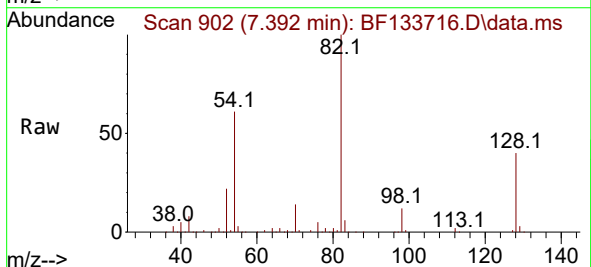
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

Tgt Ion:136 Resp: 213655
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.7 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 49.507 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion: 82 Resp: 194199
Ion Ratio Lower Upper
82 100
128 39.7 34.2 51.2
54 60.8 46.5 69.7

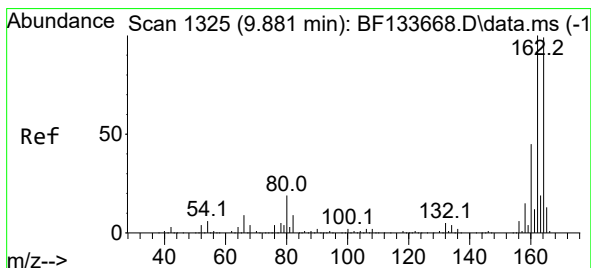
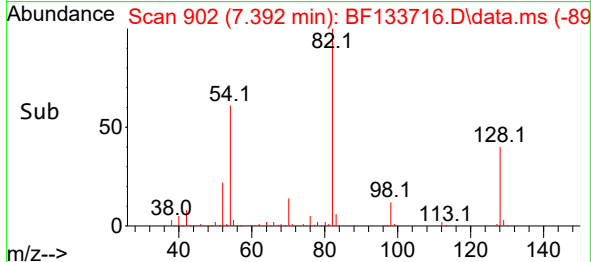
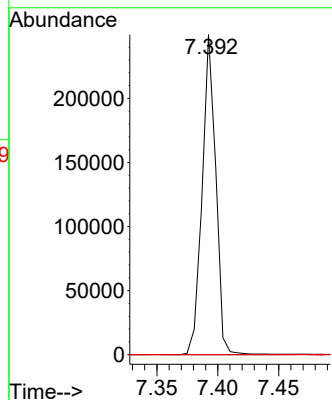
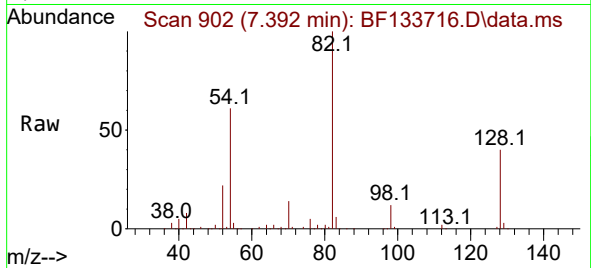




#25
Isophorone
Concen: 26.966 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

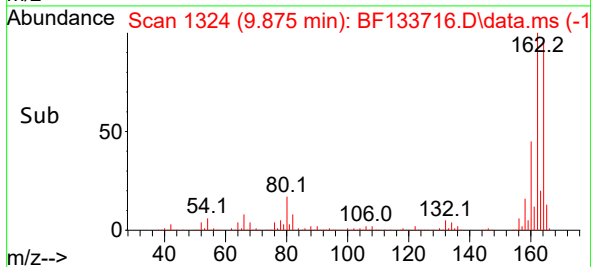
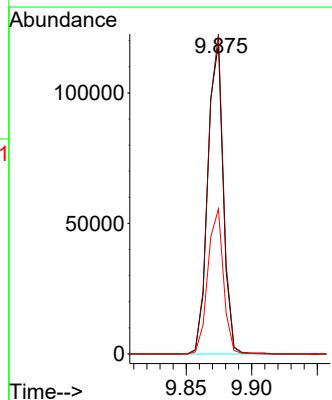
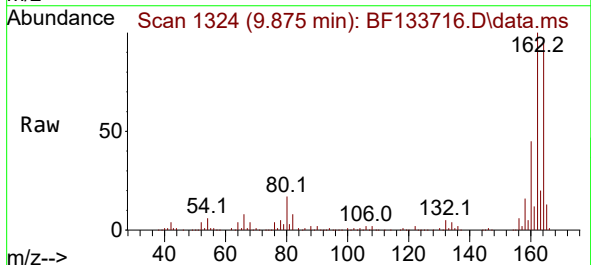
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

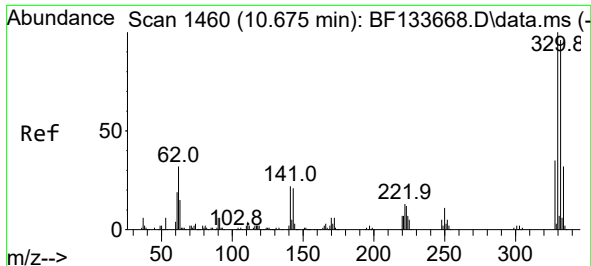
Tgt Ion: 82 Resp: 194194
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:164 Resp: 97785
Ion Ratio Lower Upper
164 100
162 103.1 80.8 121.2
160 46.8 36.7 55.1

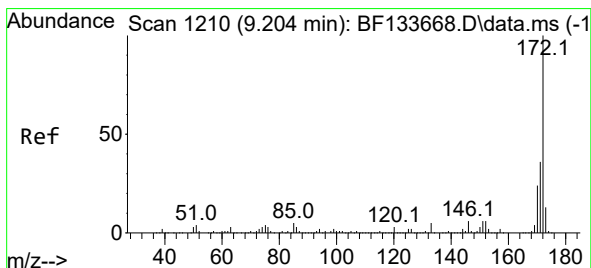
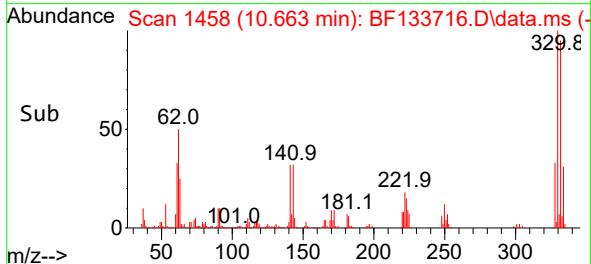
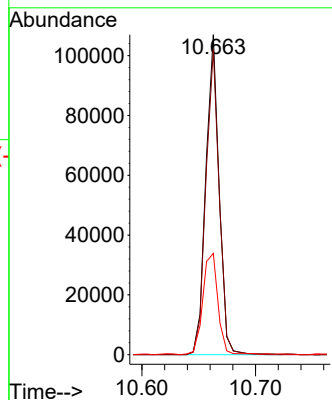
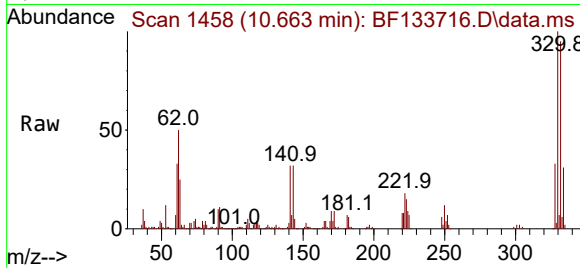




#42
2,4,6-Tribromophenol
Concen: 70.165 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

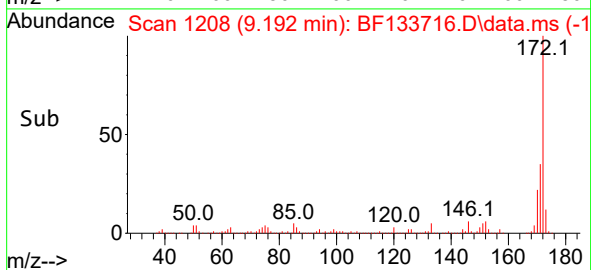
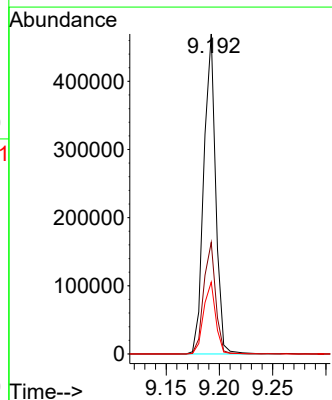
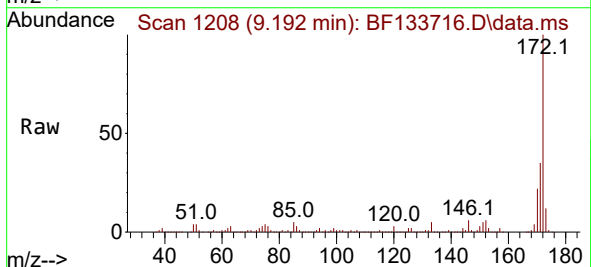
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

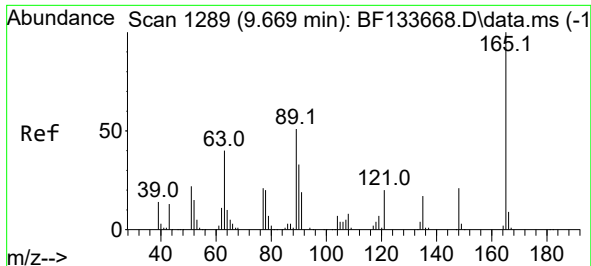
Tgt Ion:330 Resp: 86849
Ion Ratio Lower Upper
330 100
332 95.8 77.2 115.8
141 36.5 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 53.156 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:172 Resp: 365659
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 22.5 19.1 28.7

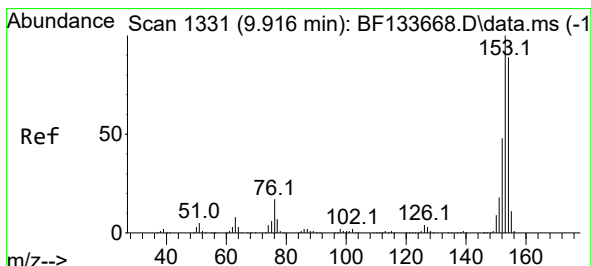
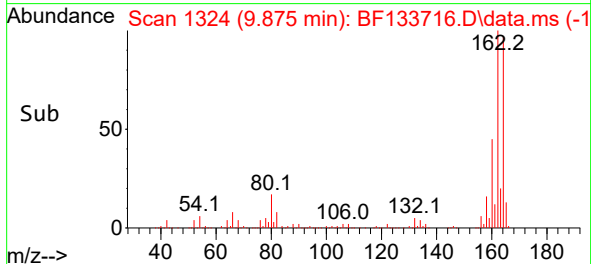
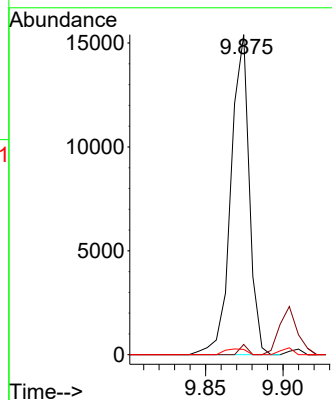
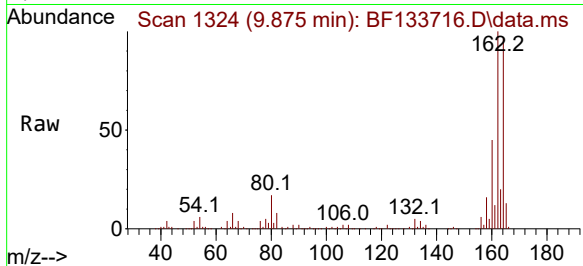




#51
2,6-Dinitrotoluene
Concen: 8.380 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

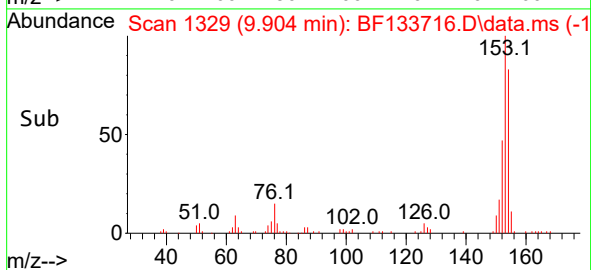
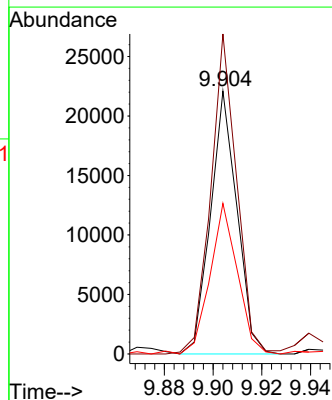
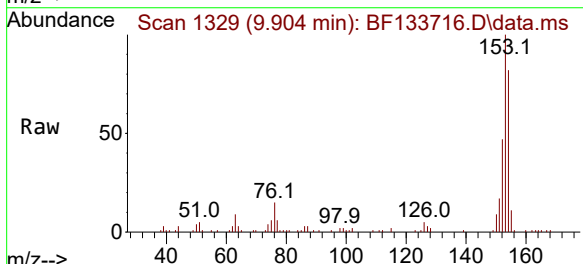
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

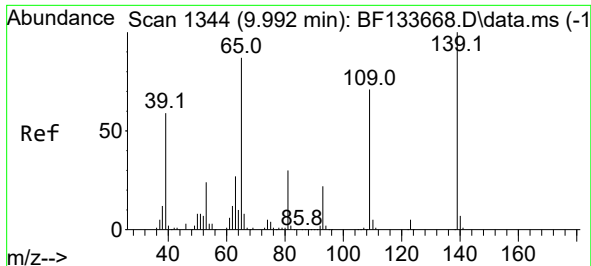
Tgt Ion:165 Resp: 12625
Ion Ratio Lower Upper
165 100
63 3.2 42.1 63.1#
89 1.7 40.9 61.3#



#52
Acenaphthene
Concen: 2.901 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:154 Resp: 16718
Ion Ratio Lower Upper
154 100
153 121.7 89.8 134.8
152 57.3 43.4 65.2

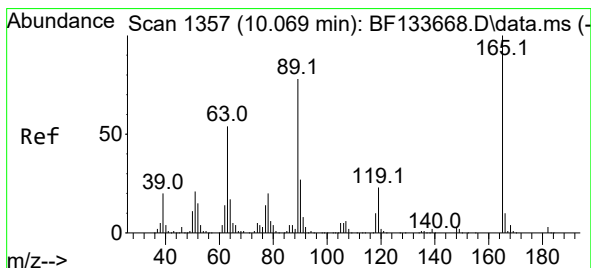
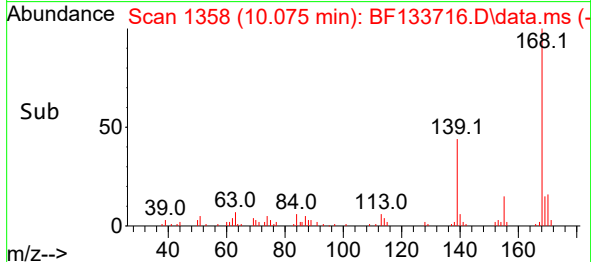
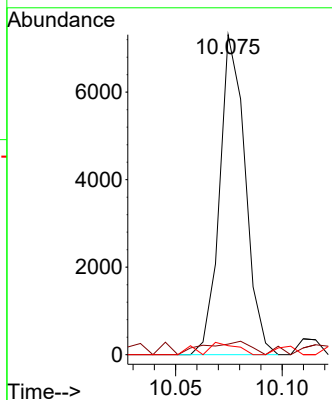
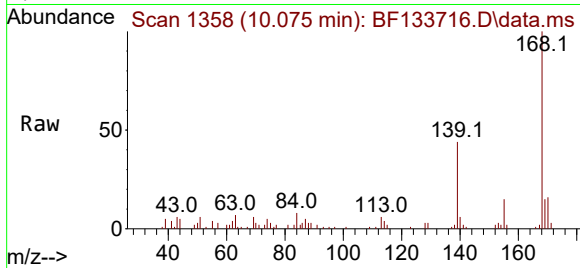




#56
4-Nitrophenol
Concen: 4.946 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

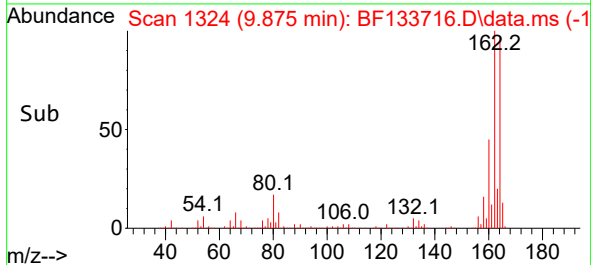
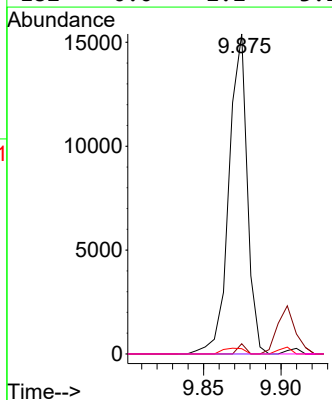
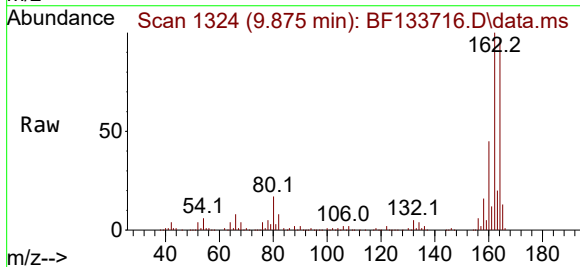
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

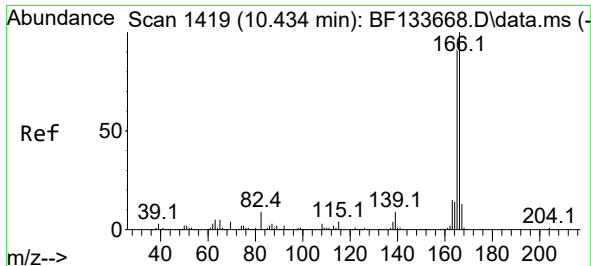
Tgt Ion:139 Resp: 6120
Ion Ratio Lower Upper
139 100
109 3.3 50.7 90.7#
65 2.8 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 6.589 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:165 Resp: 12625
Ion Ratio Lower Upper
165 100
63 3.2 43.0 64.6#
89 1.7 62.6 93.8#
182 0.0 2.2 3.2#

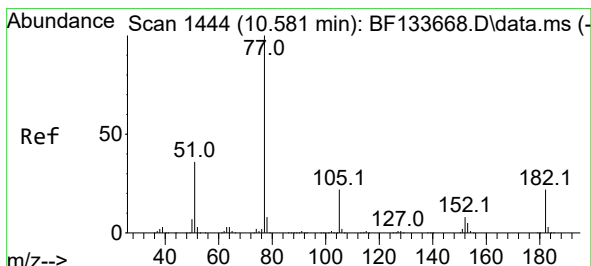
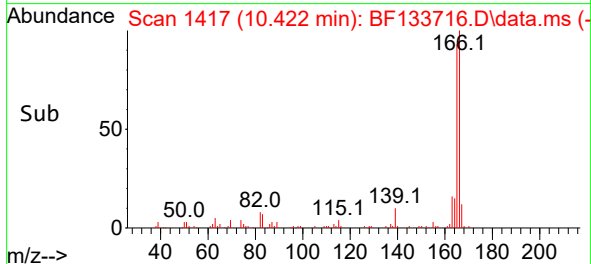
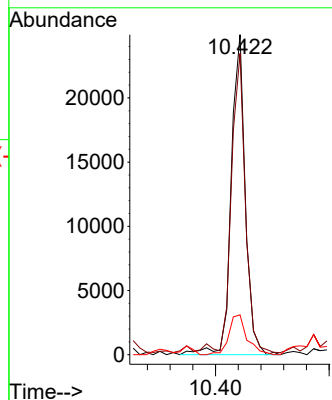
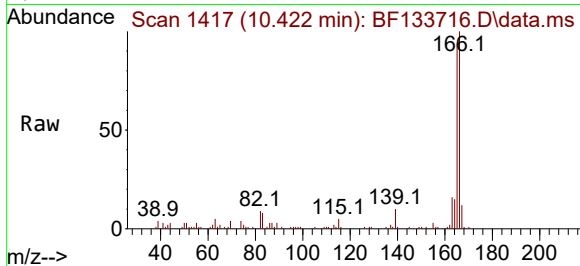




#58
Fluorene
Concen: 3.189 ng
RT: 10.422 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

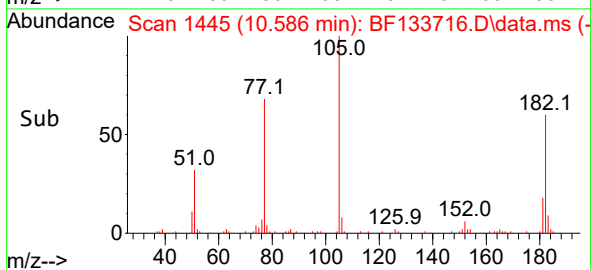
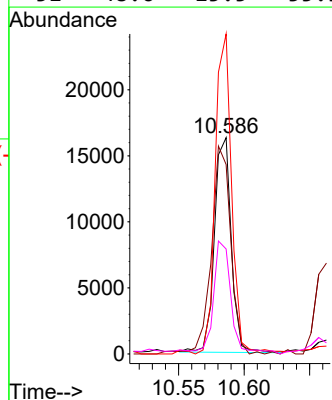
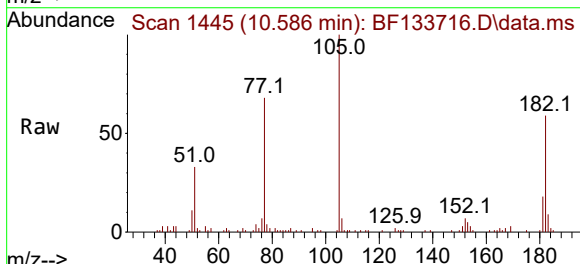
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

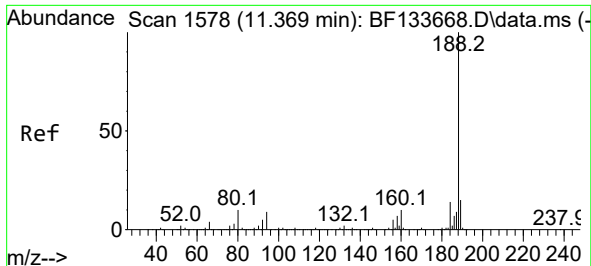
Tgt Ion:166 Resp: 21448
Ion Ratio Lower Upper
166 100
165 94.2 73.1 109.7
167 12.4 10.5 15.7



#63
Azobenzene
Concen: 2.056 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion: 77 Resp: 14462
Ion Ratio Lower Upper
77 100
182 87.6 1.6 41.6#
105 148.0 1.6 41.6#
51 48.6 15.5 55.5

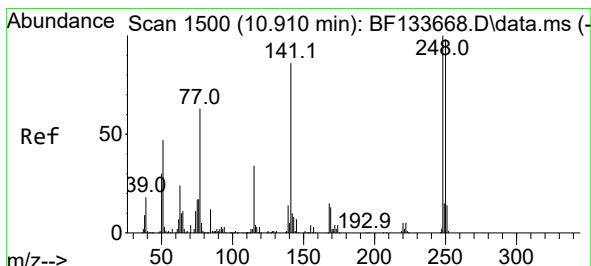
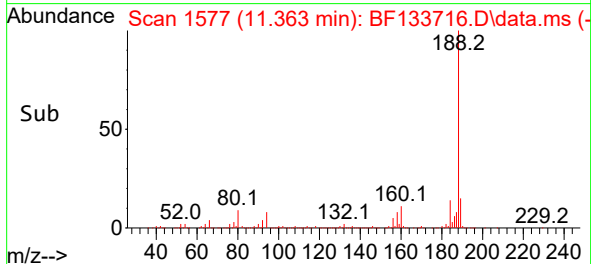
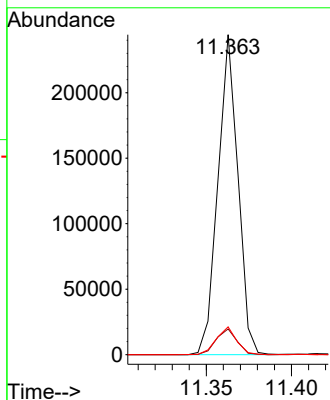
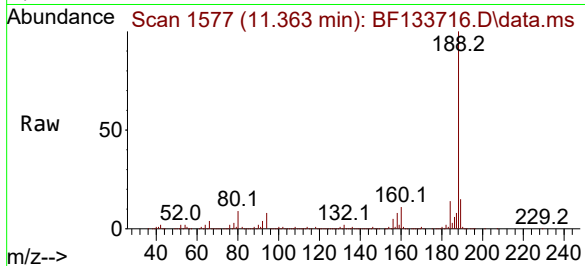




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

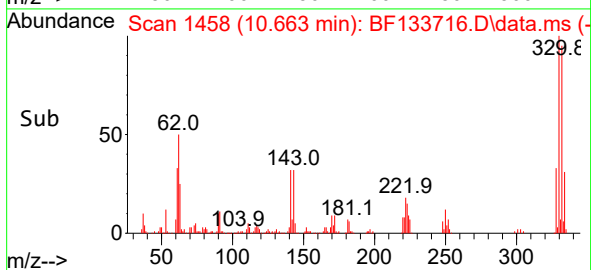
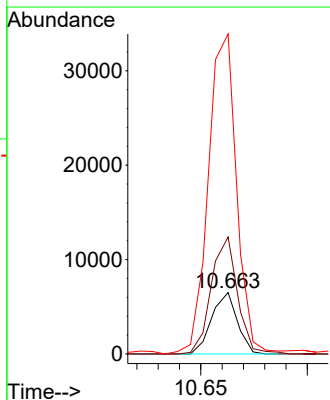
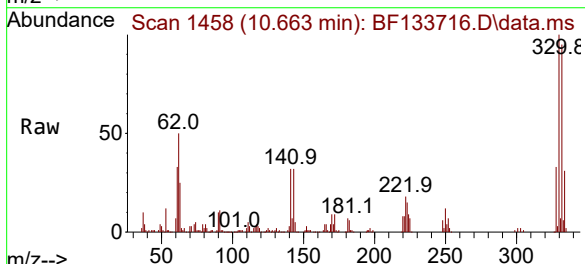
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

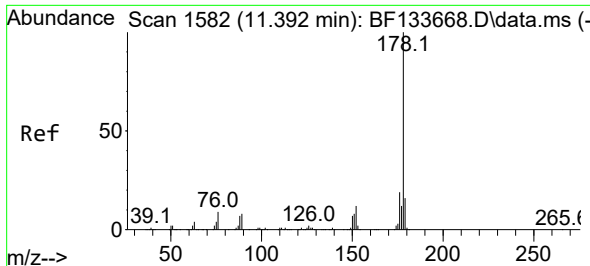
Tgt Ion:188 Resp: 199724
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 2.437 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:248 Resp: 5432
Ion Ratio Lower Upper
248 100
250 190.5 78.3 117.5#
141 521.1 69.0 103.6#

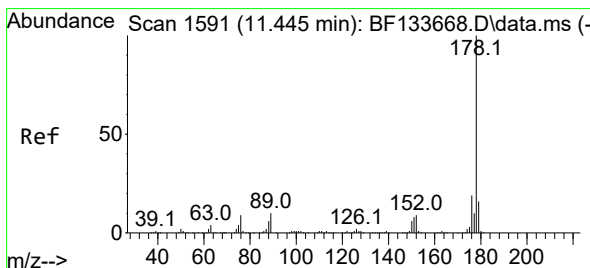
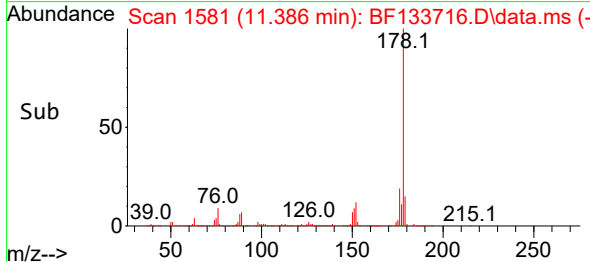
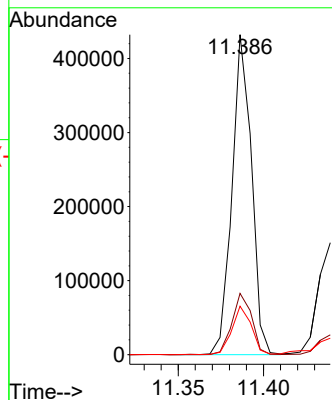
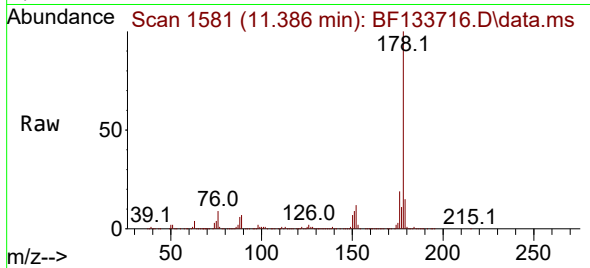




#71
Phenanthrene
Concen: 33.881 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

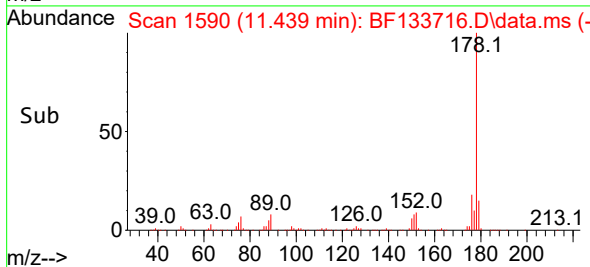
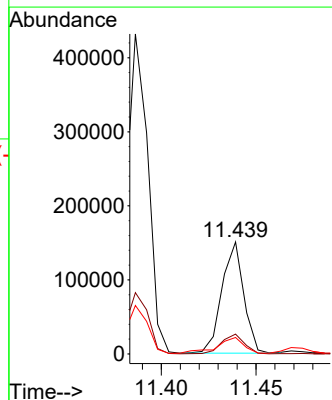
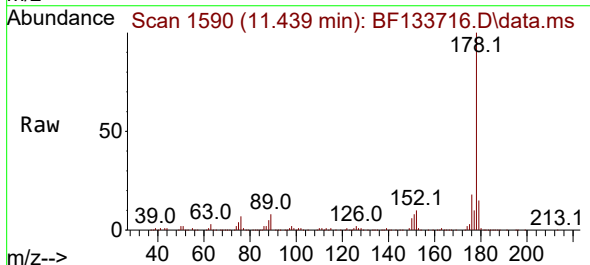
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

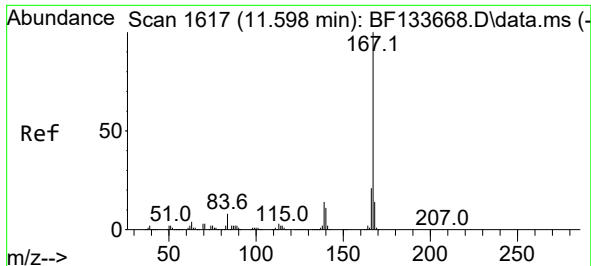
Tgt Ion:178 Resp: 343313
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.1 12.4 18.6



#72
Anthracene
Concen: 11.443 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:178 Resp: 120898
Ion Ratio Lower Upper
178 100
176 17.7 15.1 22.7
179 14.7 12.6 18.8

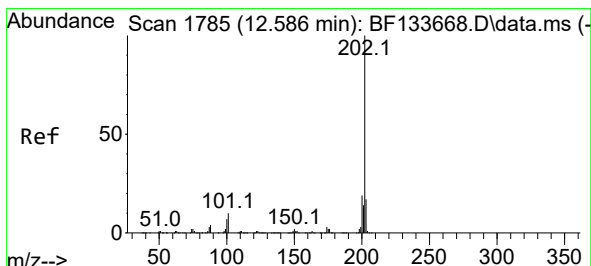
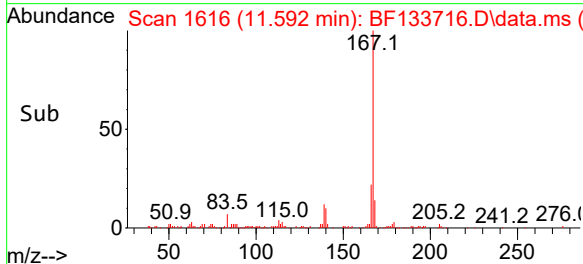
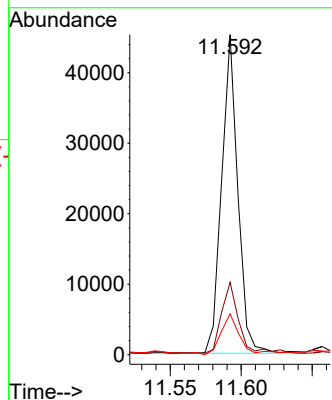
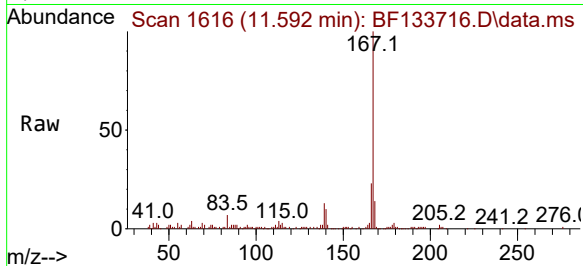




#73
 Carbazole
 Concen: 3.620 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

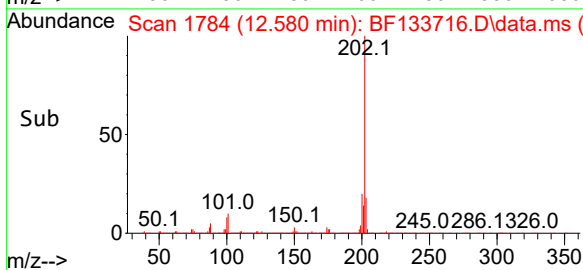
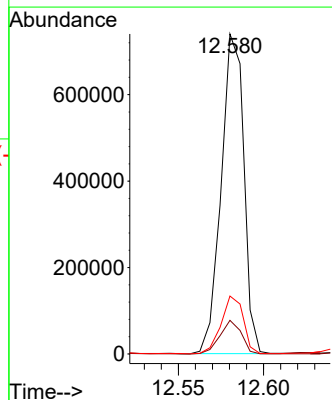
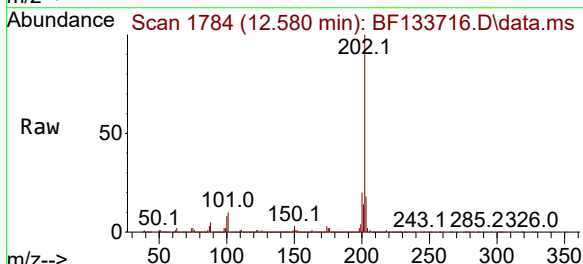
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-5.0-7.0

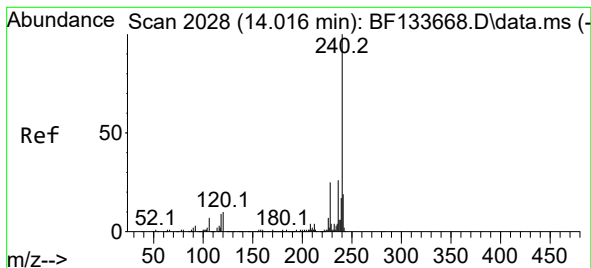
Tgt Ion:167 Resp: 35625
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.0 25.6
 139 12.7 11.2 16.8



#75
 Fluoranthene
 Concen: 63.532 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

Tgt Ion:202 Resp: 683636
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.6
 203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133716.D

Acq: 12 Jun 2023 21:47

Instrument :

BNA_F

ClientSampleId :

SB-03-5.0-7.0

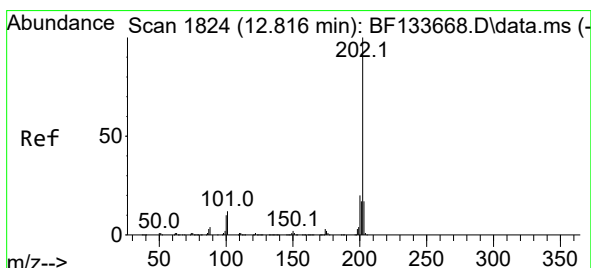
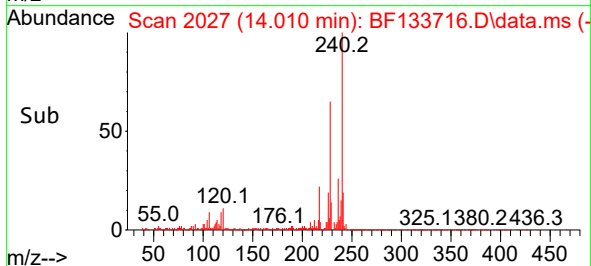
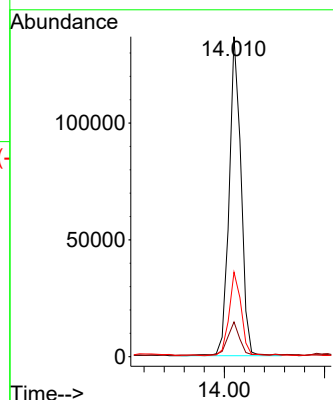
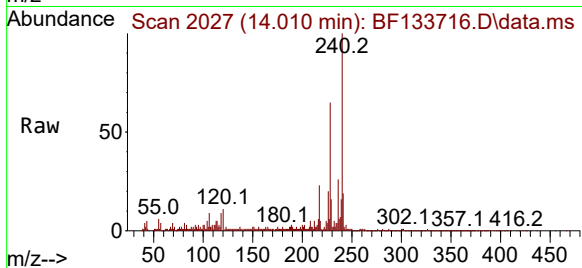
Tgt Ion:240 Resp: 111445

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

236 26.4 20.5 30.7



#78

Pyrene

Concen: 58.778 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.006 min

Lab File: BF133716.D

Acq: 12 Jun 2023 21:47

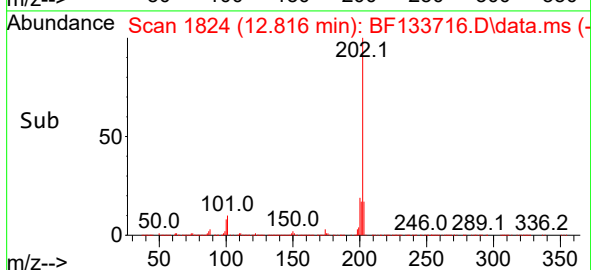
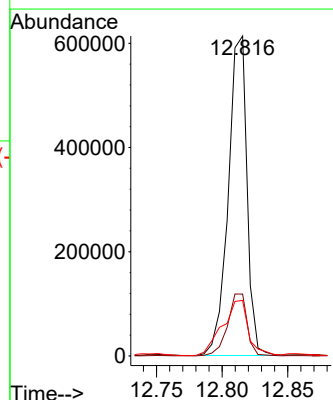
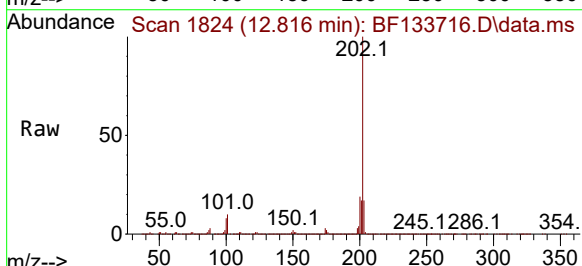
Tgt Ion:202 Resp: 610209

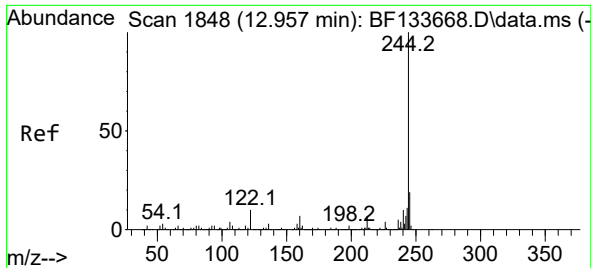
Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

203 17.4 13.9 20.9

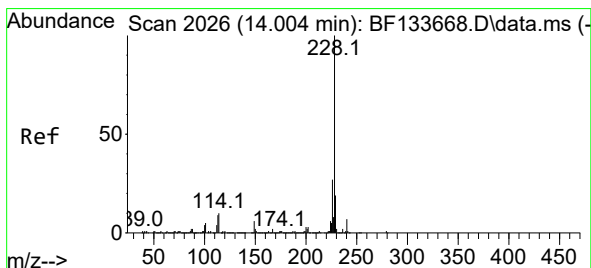
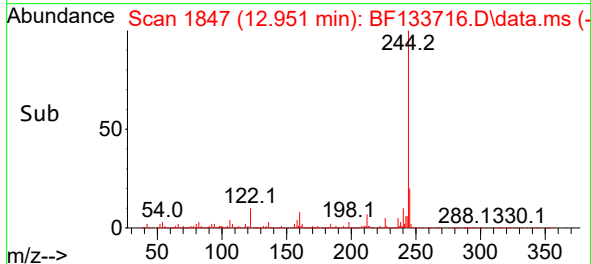
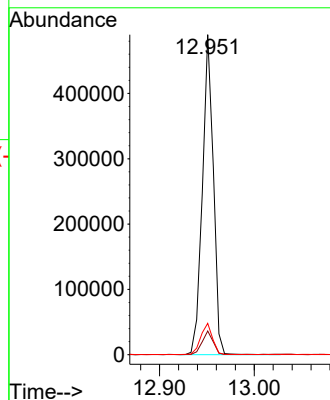
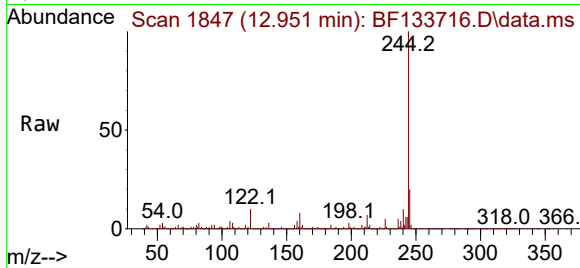




#79
 Terphenyl-d14
 Concen: 54.929 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

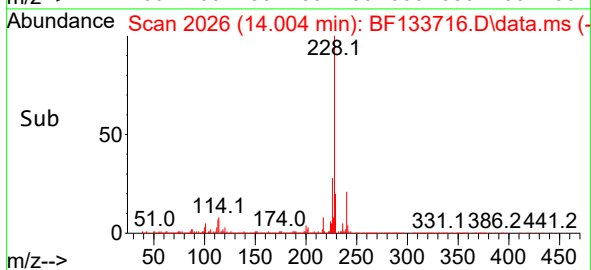
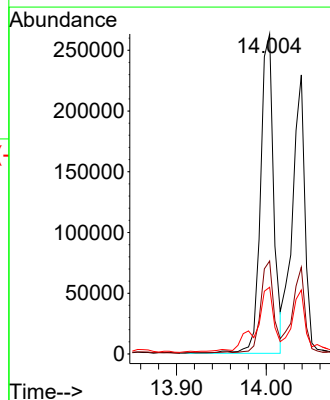
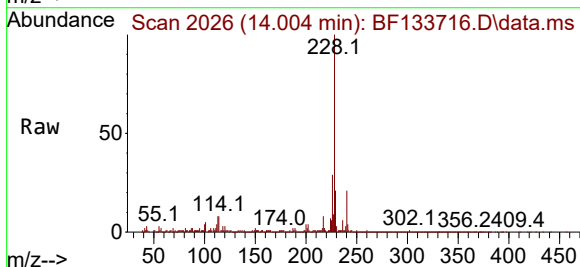
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-5.0-7.0

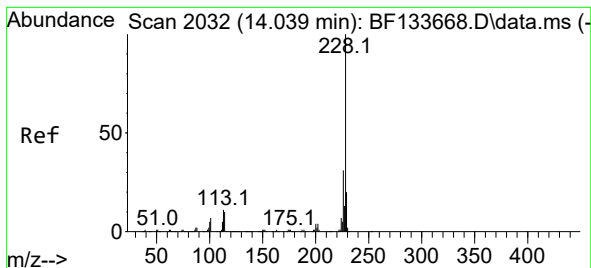
Tgt Ion:244 Resp: 395615
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 9.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 34.779 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

Tgt Ion:228 Resp: 268098
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 20.9 15.4 23.2





#83

Chrysene

Concen: 30.570 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133716.D

Acq: 12 Jun 2023 21:47

Instrument :

BNA_F

ClientSampleId :

SB-03-5.0-7.0

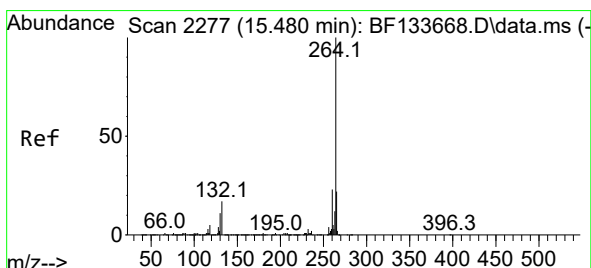
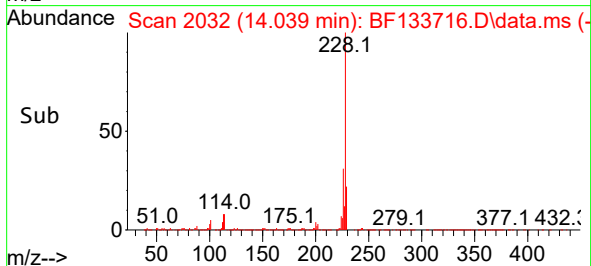
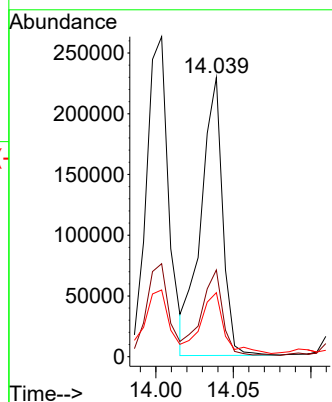
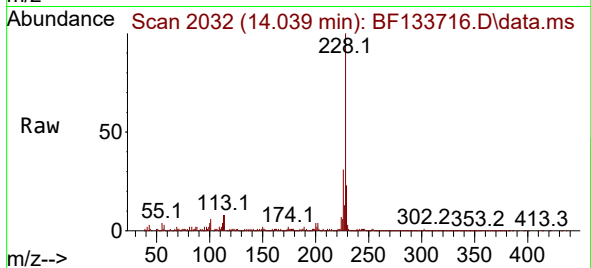
Tgt Ion:228 Resp: 222889

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 22.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF133716.D

Acq: 12 Jun 2023 21:47

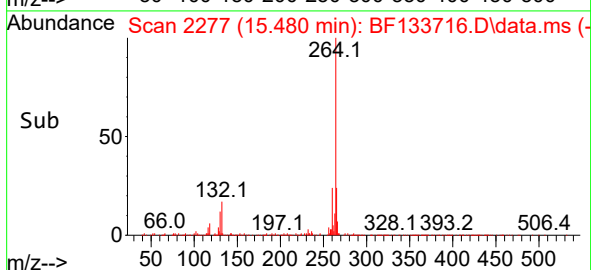
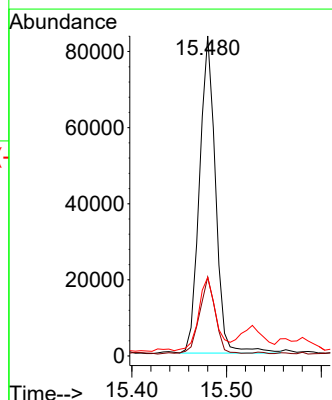
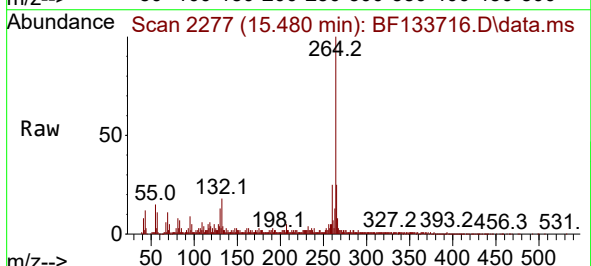
Tgt Ion:264 Resp: 98560

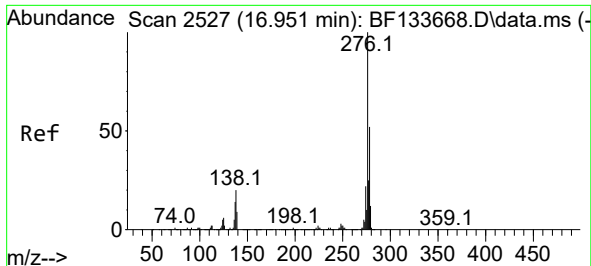
Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 24.5 17.8 26.6

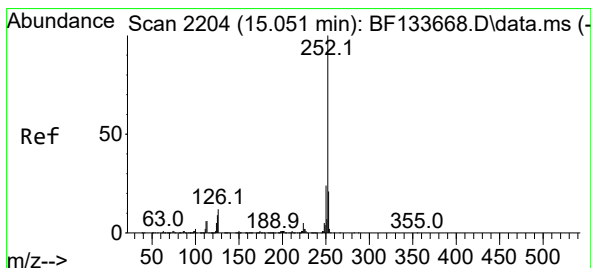
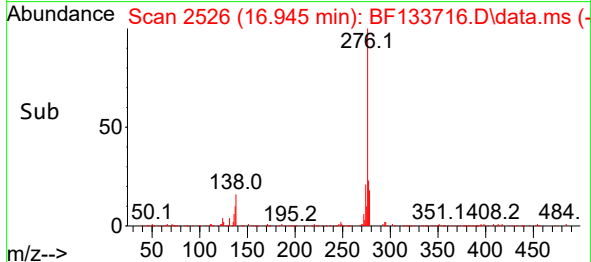
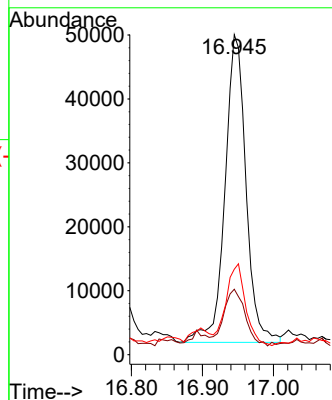
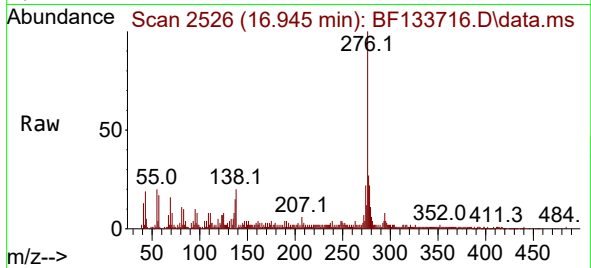




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.615 ng
 RT: 16.945 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

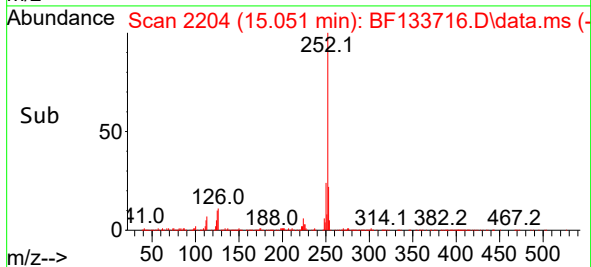
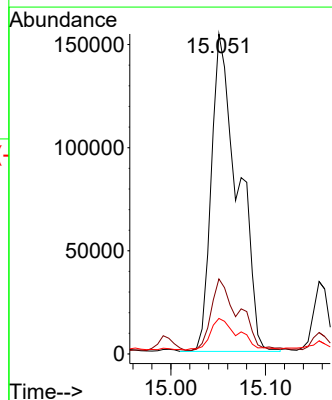
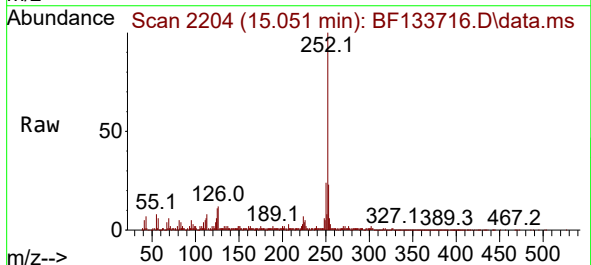
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-5.0-7.0

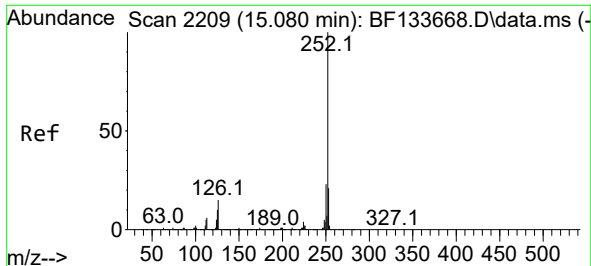
Tgt Ion:276 Resp: 99100
 Ion Ratio Lower Upper
 276 100
 138 18.9 17.9 26.9
 277 24.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 50.367 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. 0.000 min
 Lab File: BF133716.D
 Acq: 12 Jun 2023 21:47

Tgt Ion:252 Resp: 301555
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.0 25.6
 125 11.1 7.3 10.9#

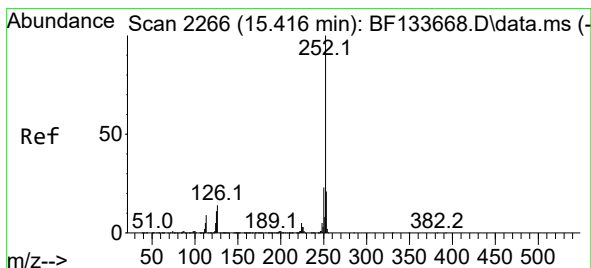
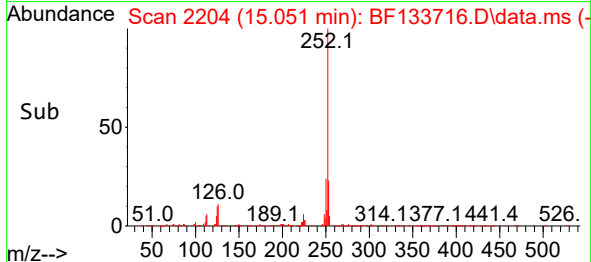
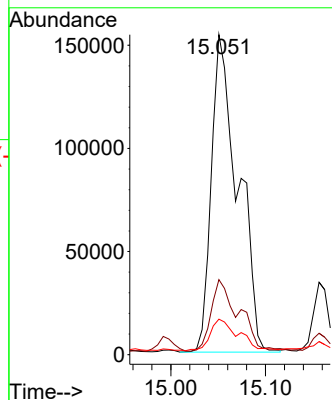
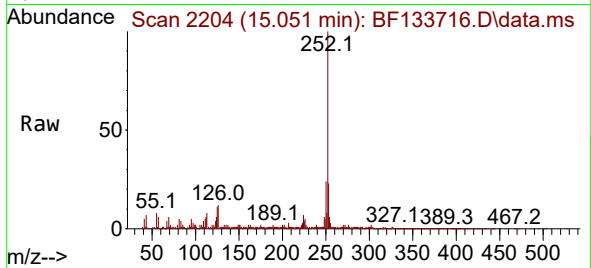




#89
Benzo(k)fluoranthene
Concen: 51.706 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

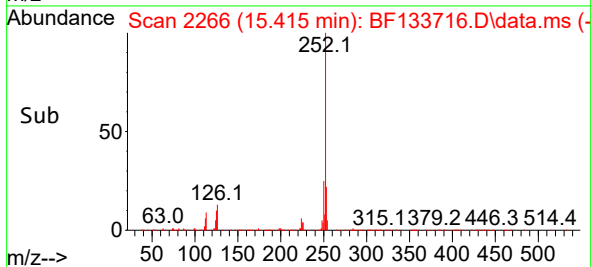
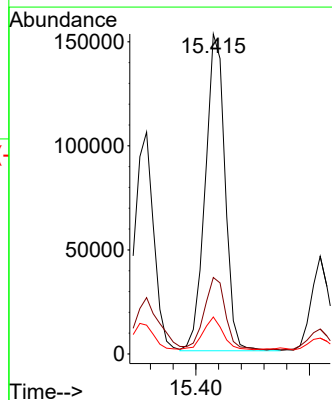
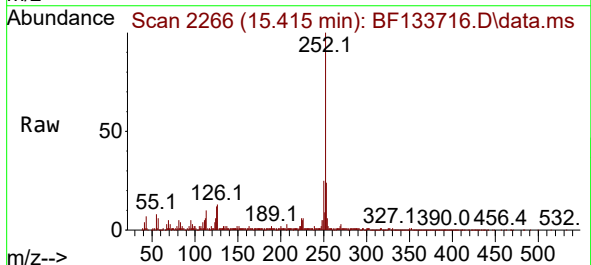
Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

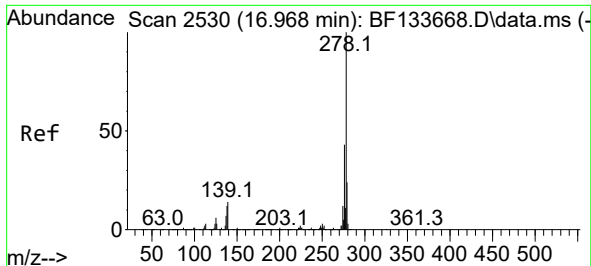
Tgt Ion:252 Resp: 301555
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 11.1 7.8 11.6



#90
Benzo(a)pyrene
Concen: 33.135 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:252 Resp: 184117
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 11.6 8.6 13.0

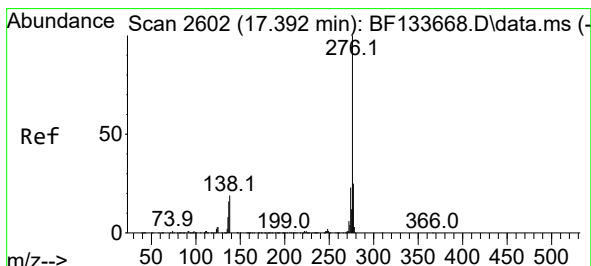
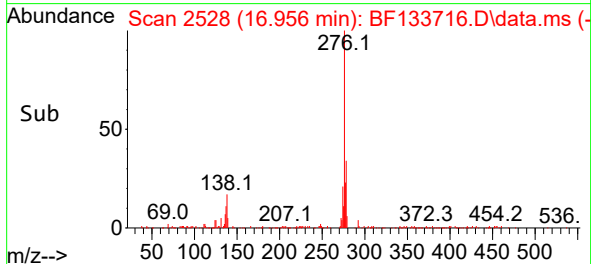
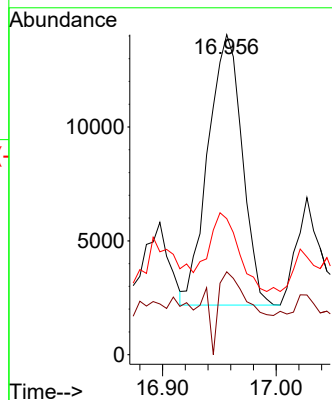
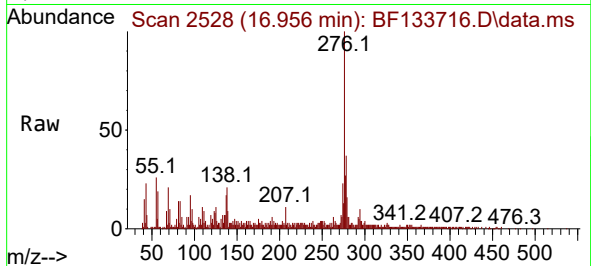




#91
Dibenzo(a,h)anthracene
Concen: 4.419 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Instrument :
BNA_F
ClientSampleId :
SB-03-5.0-7.0

Tgt Ion:278 Resp: 24807
Ion Ratio Lower Upper
278 100
139 25.9 11.4 17.2#
279 42.5 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 19.534 ng
RT: 17.398 min Scan# 2603
Delta R.T. 0.006 min
Lab File: BF133716.D
Acq: 12 Jun 2023 21:47

Tgt Ion:276 Resp: 108720
Ion Ratio Lower Upper
276 100
277 25.6 19.8 29.8
138 20.6 15.0 22.4

