

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134711.D
 Acq On : 10 Aug 2023 16:17
 Operator : CG\JU
 Sample : 03932-02DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z20-22DL

Quant Time: Aug 11 03:55:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

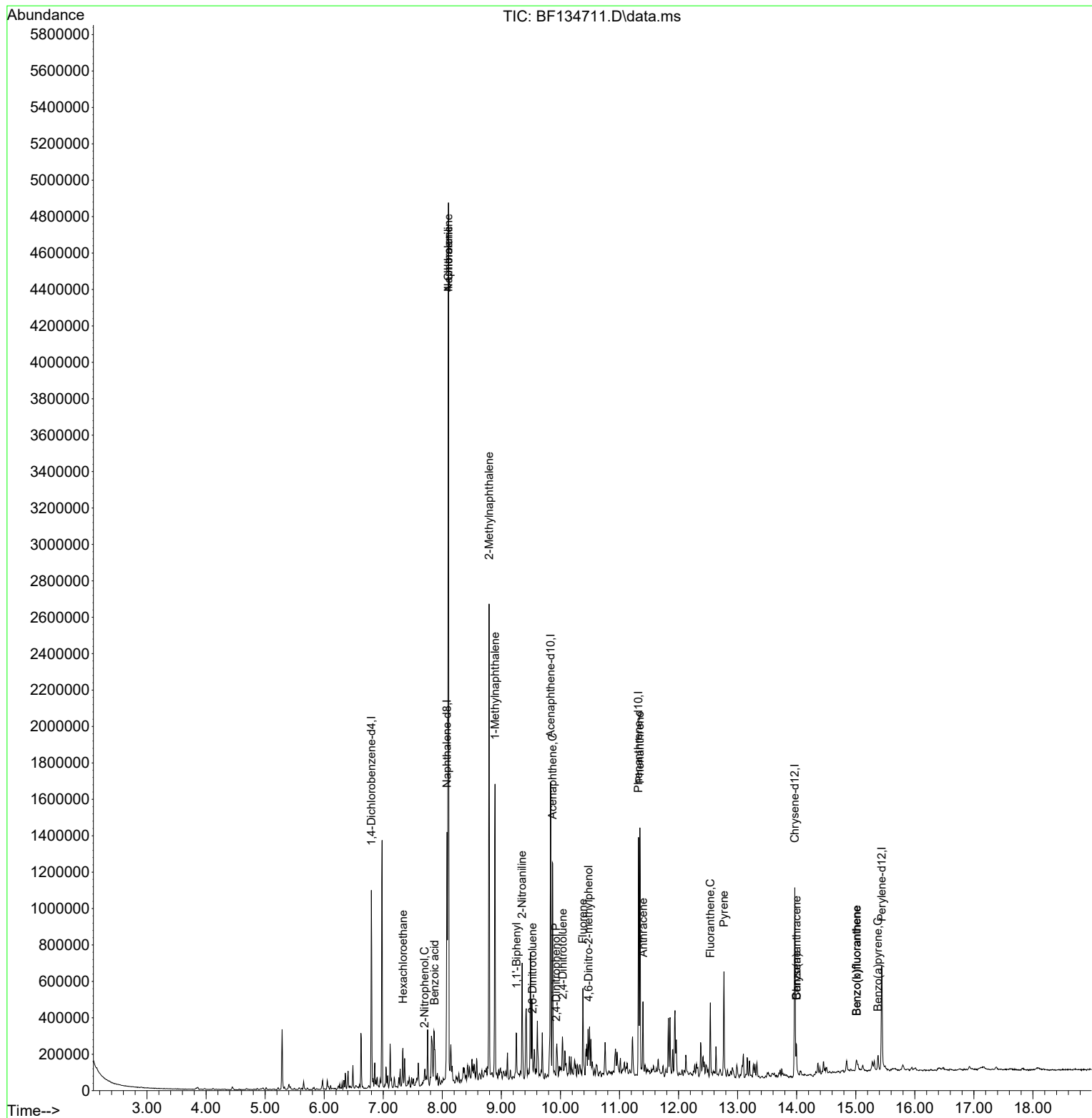
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149238	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593132	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	286062	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	469441	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	307344	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	297409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	4971	0.506	ng	0.00
7) Phenol-d6	6.434	99	4508	0.359	ng	0.00
23) Nitrobenzene-d5	7.263	82	328	0.035	ng	-0.11
42) 2,4,6-Tribromophenol	10.622	330	1121	0.384	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	13258	0.771	ng	-0.01
79) Terphenyl-d14	12.916	244	12407	0.712	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	3229	Below Cal	#	1
18) Hexachloroethane	7.334	117	9104	2.526	ng	# 1
26) 2-Nitrophenol	7.698	139	134	4.820	ng	# 1
31) Naphthalene	8.104	128	2062971	69.205	ng	98
32) Benzoic acid	7.869	122	194	7.894	ng	# 1
33) 4-Chloroaniline	8.104	127	276101	20.787	ng	# 32
37) 2-Methylnaphthalene	8.792	142	650615	32.928	ng	99
38) 1-Methylnaphthalene	8.892	142	412190	22.434	ng	97
46) 1,1'-Biphenyl	9.257	154	77695	3.493	ng	96
48) 2-Nitroaniline	9.351	65	3144	3.731	ng	# 37
51) 2,6-Dinitrotoluene	9.528	165	1805	2.924	ng	# 83
52) Acenaphthene	9.869	154	259863	15.305	ng	98
54) 2,4-Dinitrophenol	9.928	184	69	6.838	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	2217	3.283	ng	# 63
58) Fluorene	10.380	166	119233	6.772	ng	95
65) 4,6-Dinitro-2-methylph...	10.475	198	56	8.723	ng	# 1
71) Phenanthrene	11.345	178	486401	19.507	ng	99
72) Anthracene	11.398	178	141474	5.555	ng	99
75) Fluoranthene	12.539	202	149162	5.663	ng	97
78) Pyrene	12.769	202	224578	8.444	ng	98
81) Benzo(a)anthracene	13.998	228	73133	3.328	ng	97
83) Chrysene	13.998	228	73133	3.416	ng	97
88) Benzo(b)fluoranthene	15.015	252	47568	2.622	ng	# 93
89) Benzo(k)fluoranthene	15.015	252	47568	2.633	ng	# 94
90) Benzo(a)pyrene	15.374	252	42786	2.530	ng	# 94

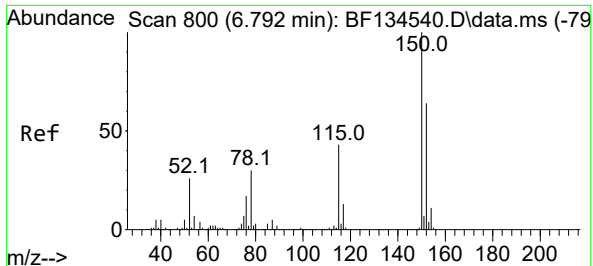
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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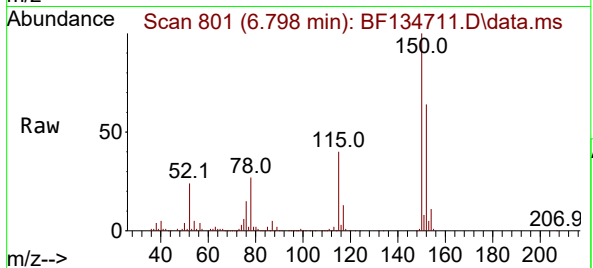
Quant Time: Aug 11 03:55:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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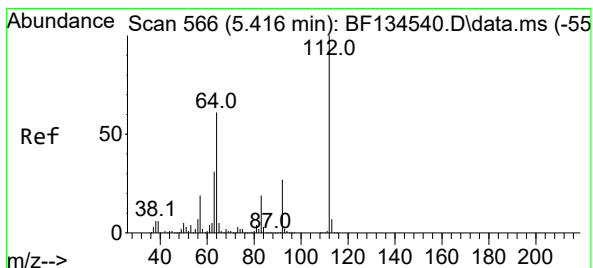
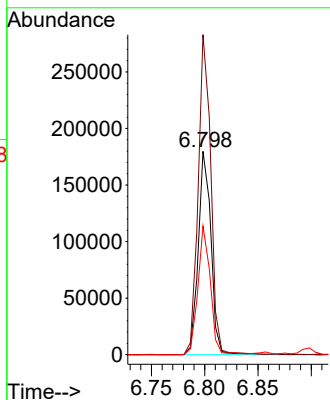
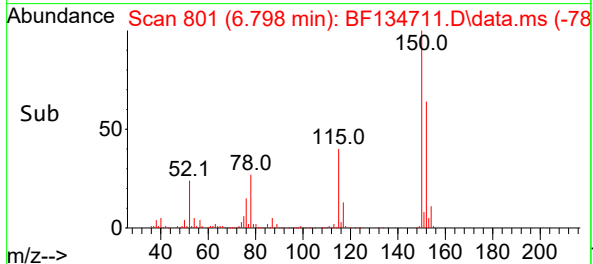


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

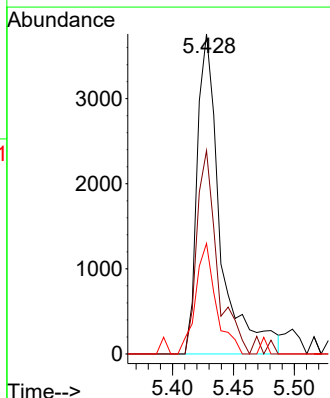
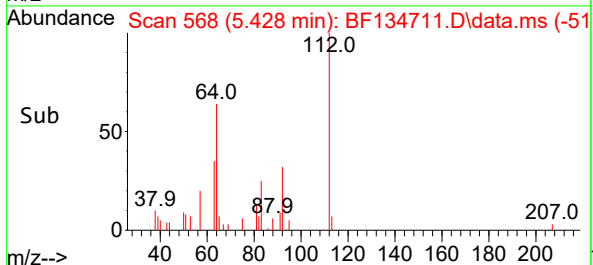
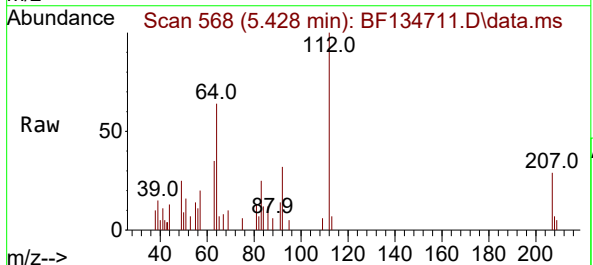


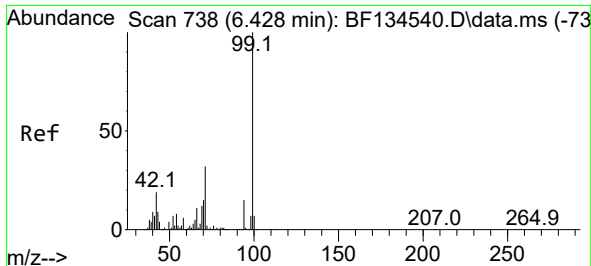
Tgt Ion:152 Resp: 149238
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 63.2 52.4 78.6



#5
2-Fluorophenol
Concen: 0.506 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:112 Resp: 4971
Ion Ratio Lower Upper
112 100
64 63.5 44.9 67.3
63 34.5 25.4 38.0

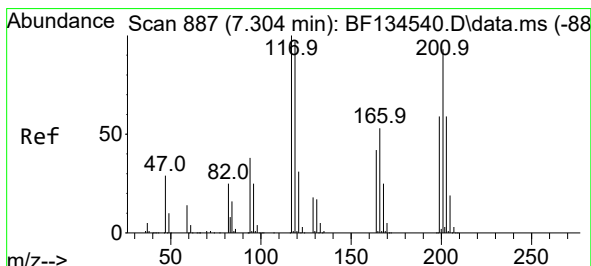
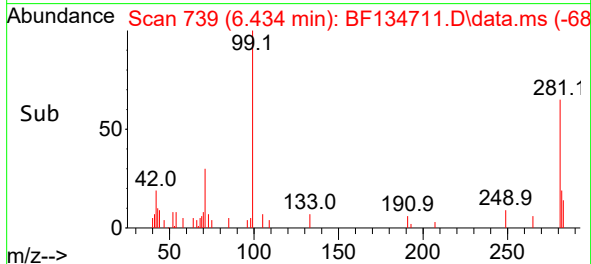
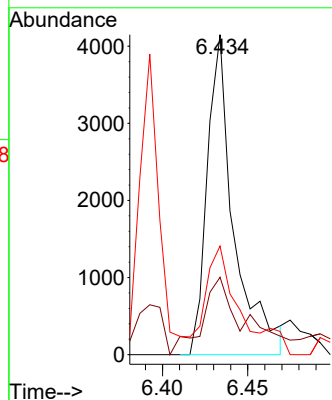
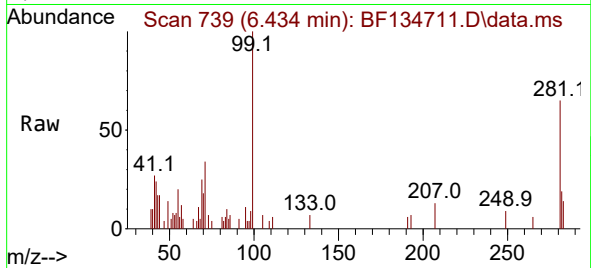




#7
Phenol-d6
Concen: 0.359 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

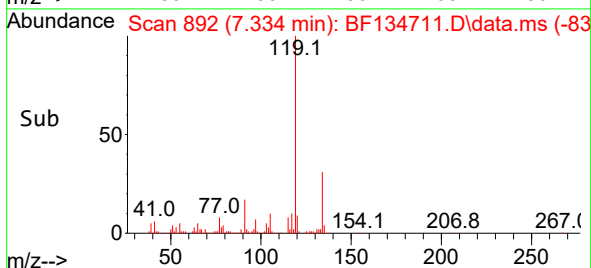
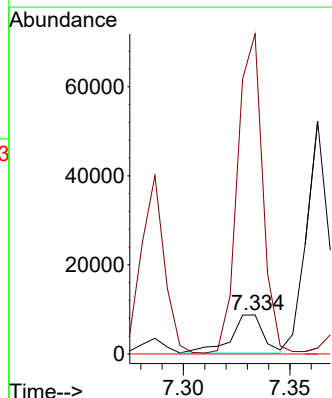
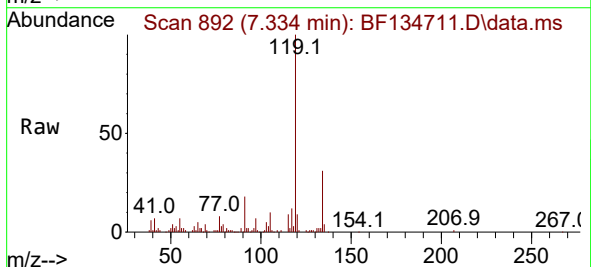
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

Tgt Ion: 99 Resp: 4508
Ion Ratio Lower Upper
99 100
42 24.2 18.7 28.1
71 34.0 36.4 54.6#



#18
Hexachloroethane
Concen: 2.526 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.024 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion: 117 Resp: 9104
Ion Ratio Lower Upper
117 100
119 818.2 75.8 113.8#
201 0.0 73.6 110.4#

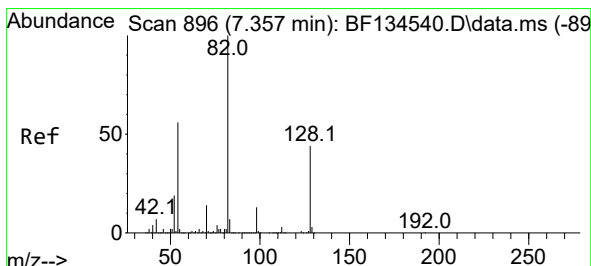
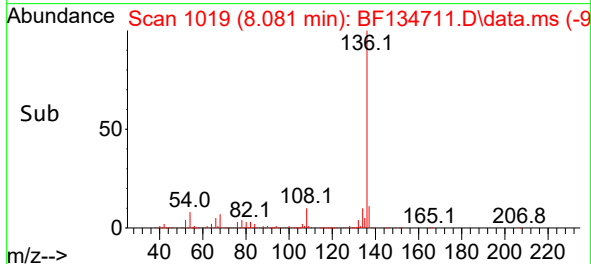
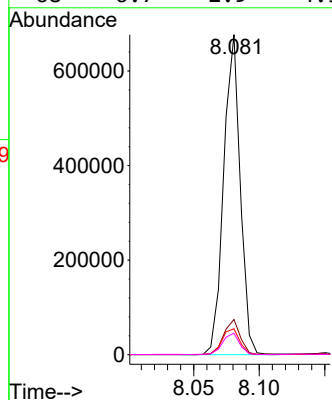
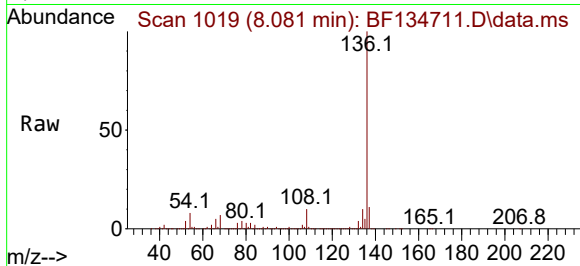




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

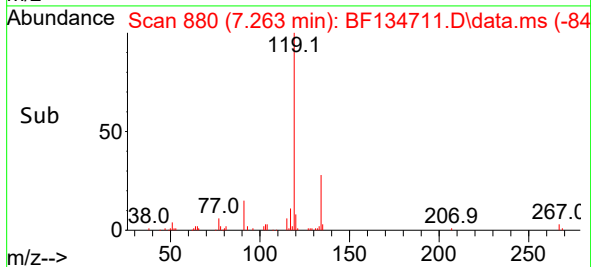
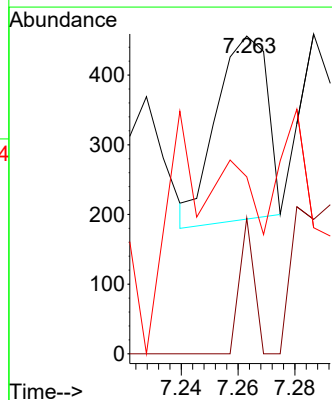
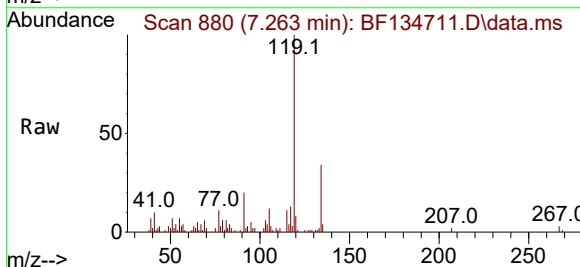
Instrument :
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ClientSampleId :
NEVINS-SB-01-Z20-22DL

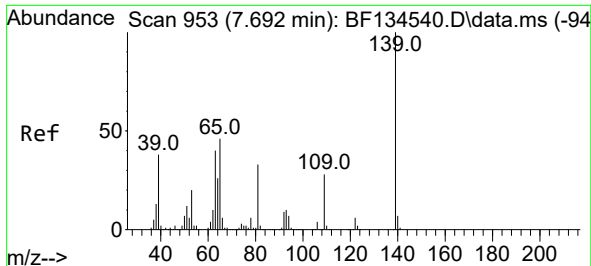
Tgt Ion:136 Resp: 593132
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.1 5.2 7.8#
68 6.7 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 0.035 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.106 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion: 82 Resp: 328
Ion Ratio Lower Upper
82 100
128 42.8 34.3 51.5
54 55.7 43.8 65.6

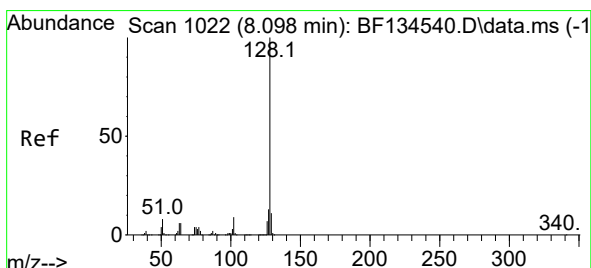
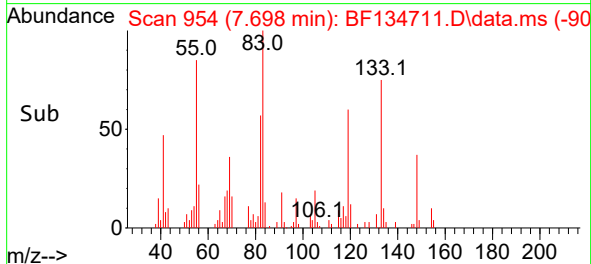
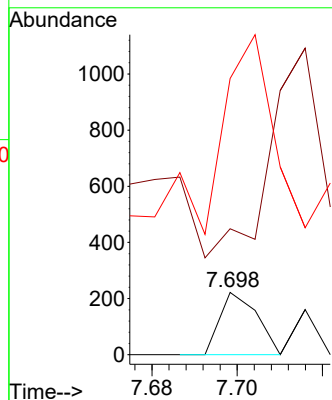
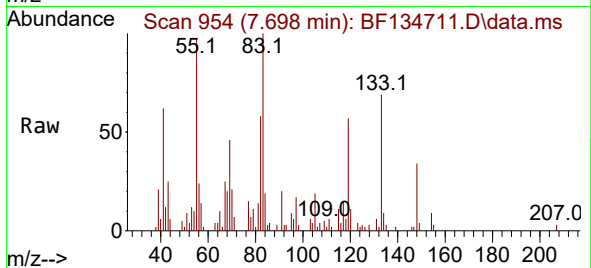




#26
2-Nitrophenol
Concen: 4.820 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

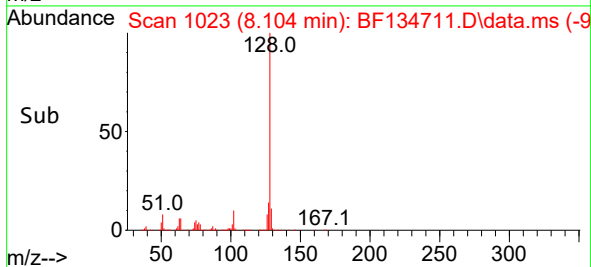
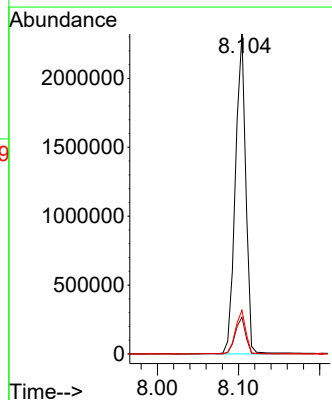
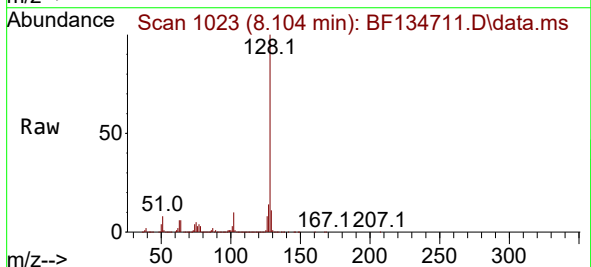
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

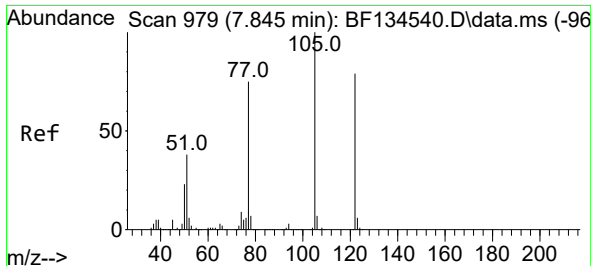
Tgt Ion:139 Resp: 134
Ion Ratio Lower Upper
139 100
109 202.3 29.8 44.6#
65 443.2 45.4 68.2#



#31
Naphthalene
Concen: 69.205 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:128 Resp: 2062971
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 13.7 10.7 16.1

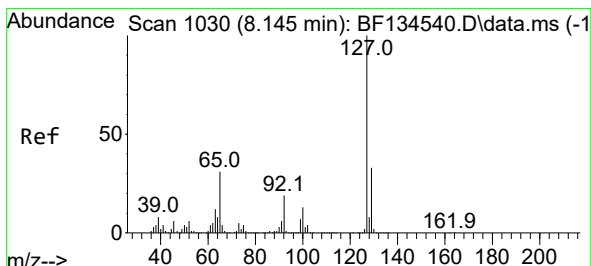
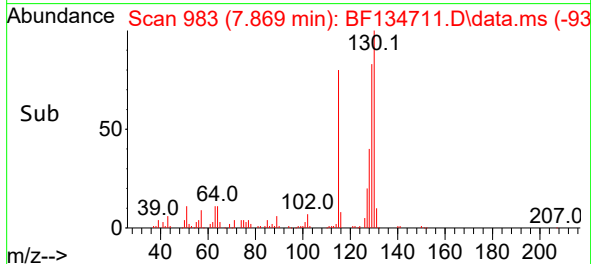
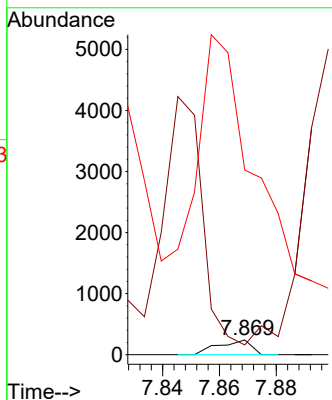
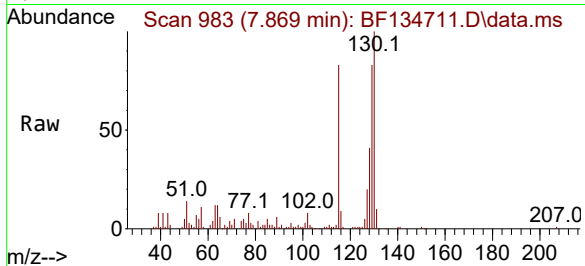




#32
Benzoic acid
Concen: 7.894 ng
RT: 7.869 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

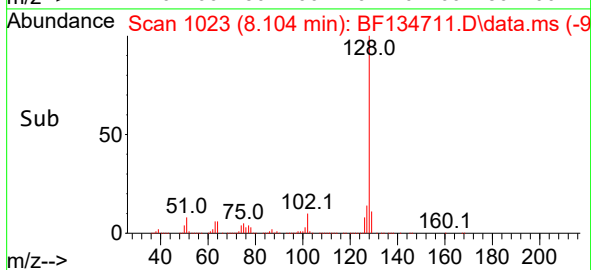
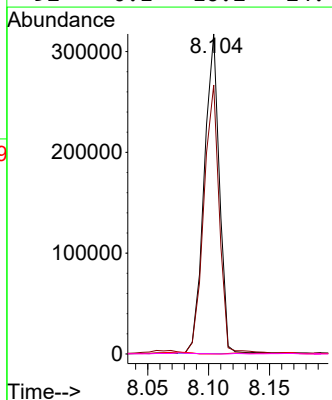
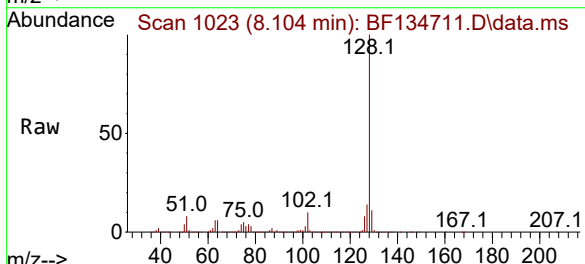
Instrument :
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NEVINS-SB-01-Z20-22DL

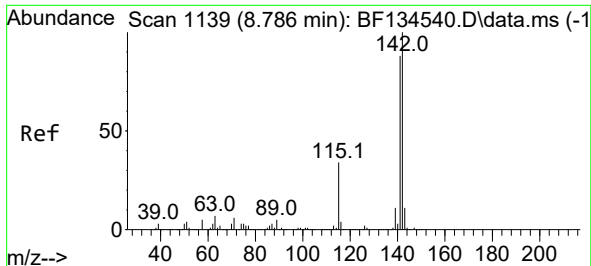
Tgt Ion:122 Resp: 194
Ion Ratio Lower Upper
122 100
105 66.1 87.5 127.5#
77 1249.2 71.4 111.4#



#33
4-Chloroaniline
Concen: 20.787 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:127 Resp: 276101
Ion Ratio Lower Upper
127 100
129 84.1 25.6 38.4#
65 0.0 25.4 38.0#
92 0.1 16.2 24.4#

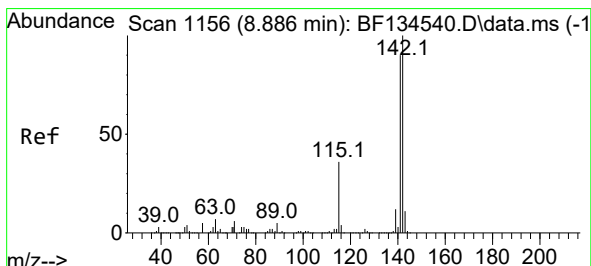
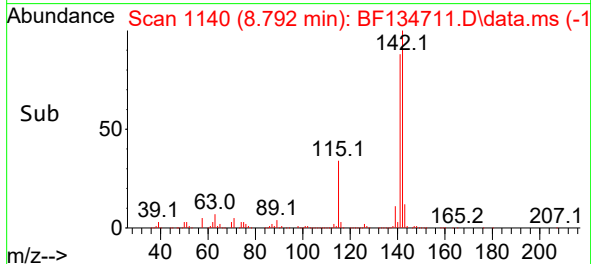
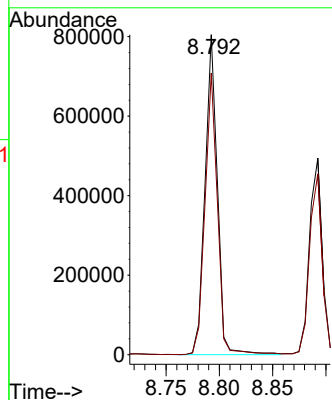
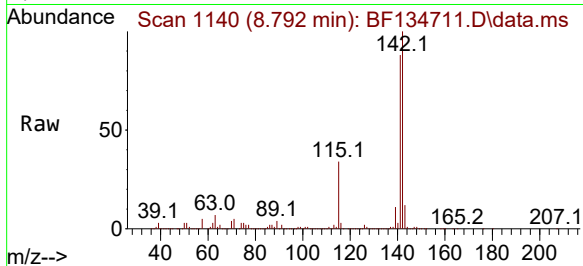




#37
2-Methylnaphthalene
Concen: 32.928 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

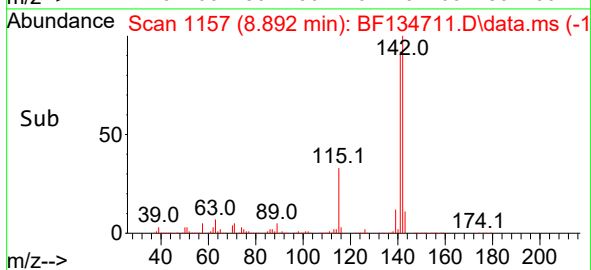
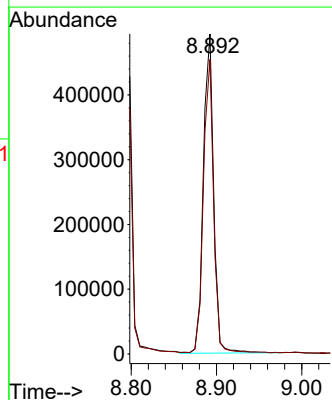
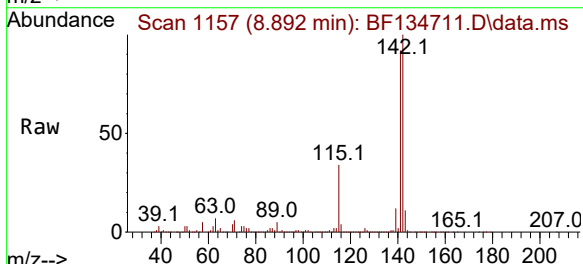
Instrument :
BNA_F
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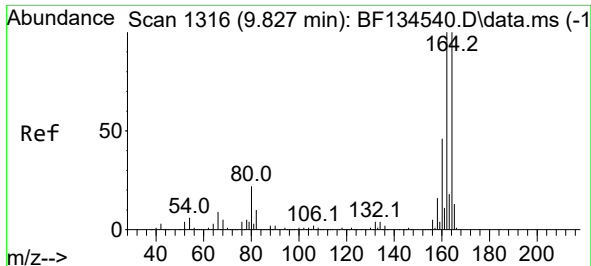
Tgt Ion:142 Resp: 650615
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2



#38
1-Methylnaphthalene
Concen: 22.434 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:142 Resp: 412190
Ion Ratio Lower Upper
142 100
141 92.0 71.4 107.2

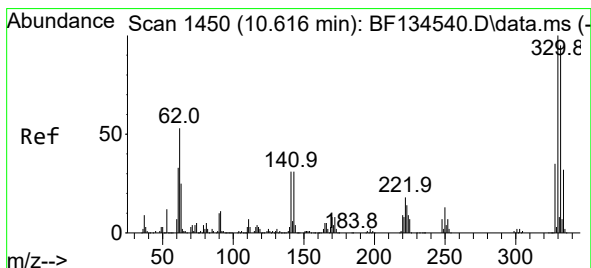
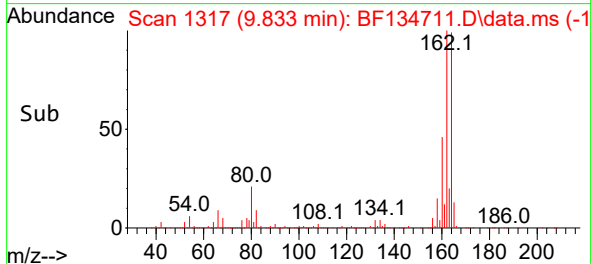
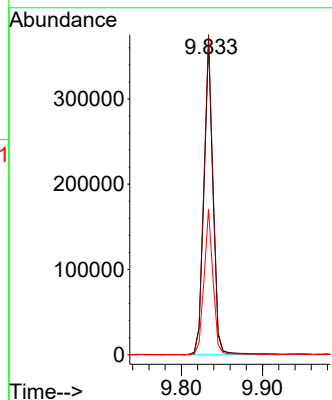
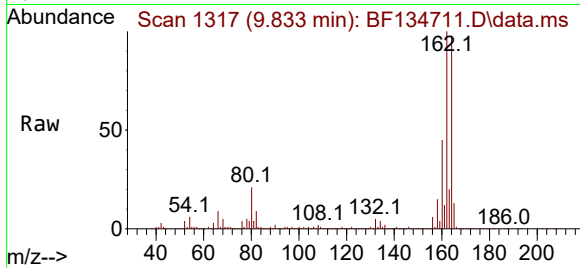




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

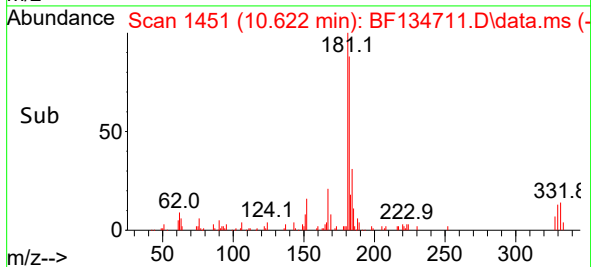
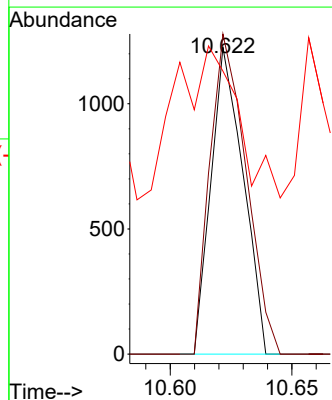
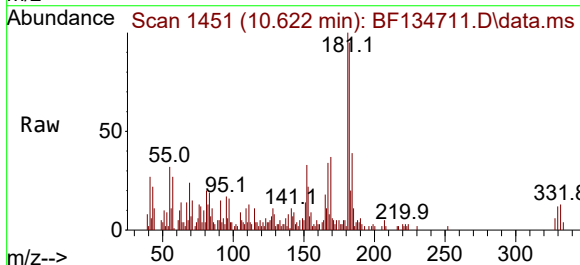
Instrument :
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ClientSampleId :
NEVINS-SB-01-Z20-22DL

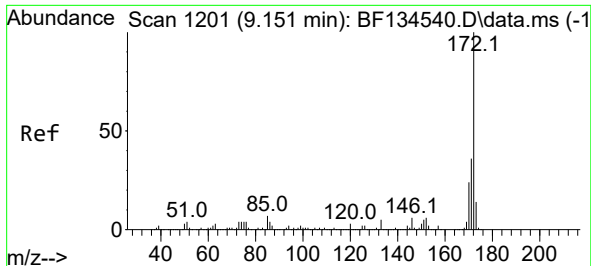
Tgt Ion:164 Resp: 286062
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 46.3 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:330 Resp: 1121
Ion Ratio Lower Upper
330 100
332 117.9 78.8 118.2
141 96.3 25.4 38.2#

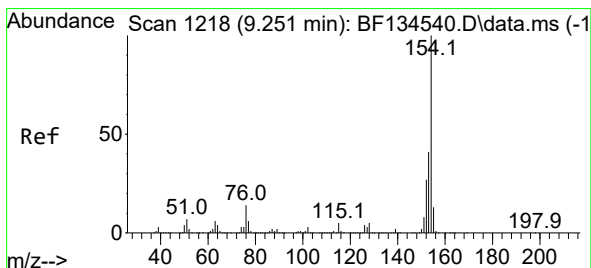
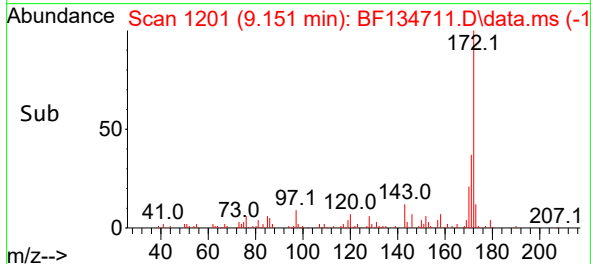
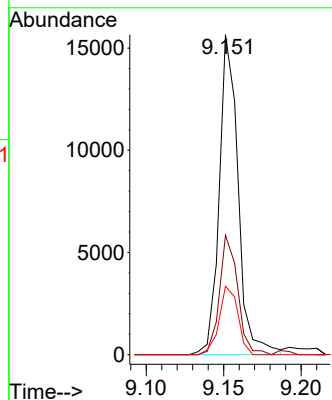
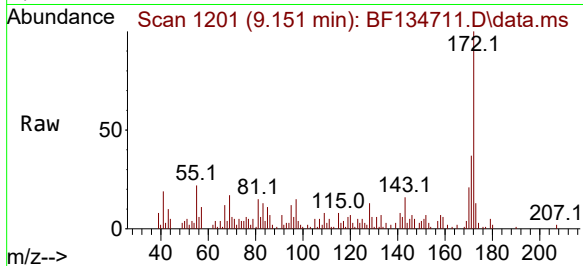




#45
2-Fluorobiphenyl
Concen: 0.771 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

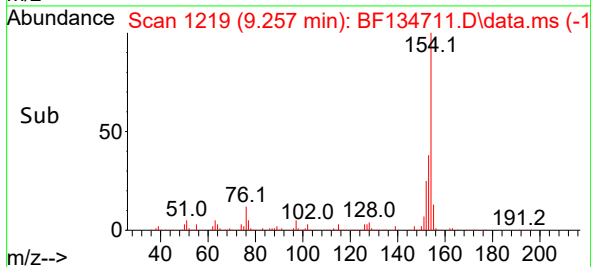
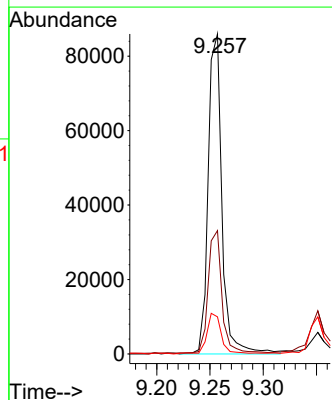
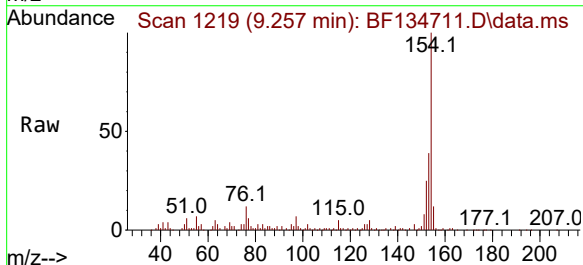
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

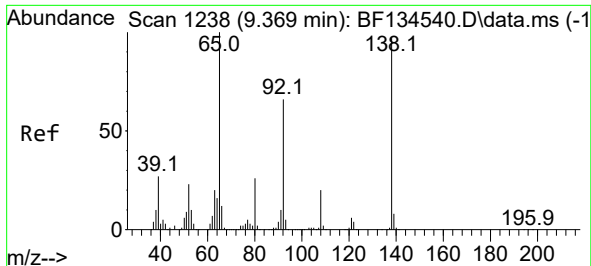
Tgt Ion:172	Resp:	13258
Ion Ratio	Lower	Upper
172	100	
171	37.4	28.8 43.2
170	21.4	18.7 28.1



#46
1,1'-Biphenyl
Concen: 3.493 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:154	Resp:	77695
Ion Ratio	Lower	Upper
154	100	
153	38.6	20.8 60.8
76	11.6	0.0 30.2

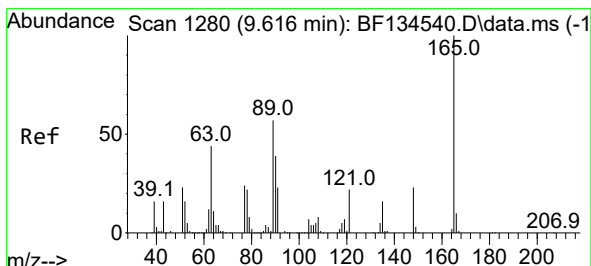
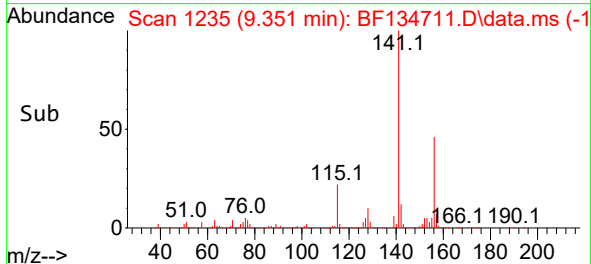
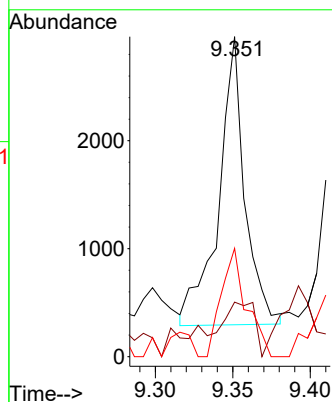
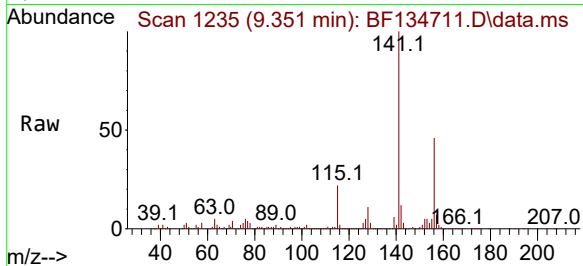




#48
2-Nitroaniline
Concen: 3.731 ng
RT: 9.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

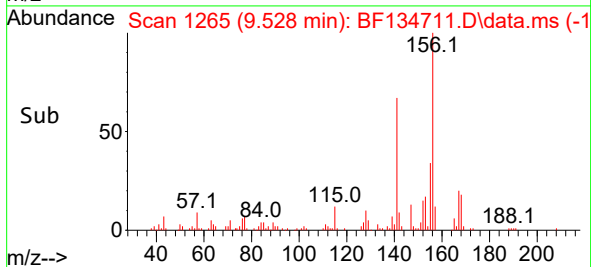
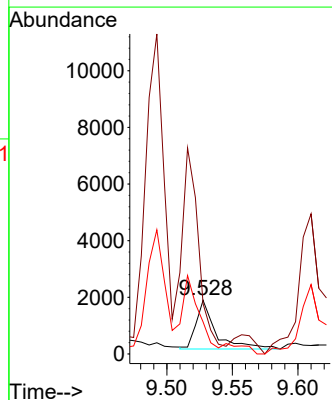
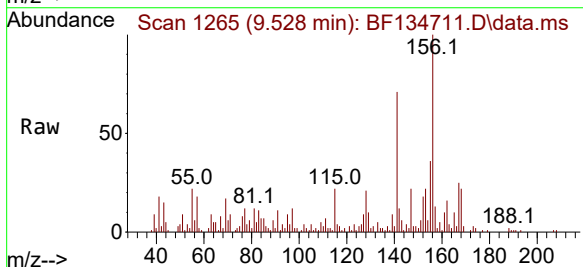
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

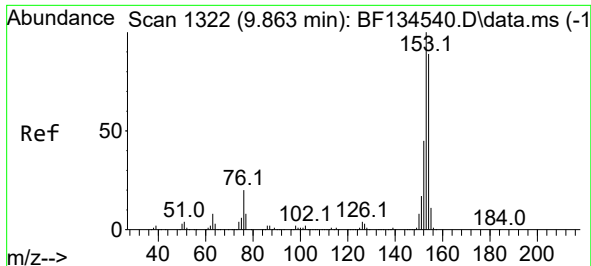
Tgt Ion: 65 Resp: 3144
Ion Ratio Lower Upper
65 100
92 17.1 50.7 76.1#
138 33.9 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 2.924 ng
RT: 9.528 min Scan# 1265
Delta R.T. -0.100 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion: 165 Resp: 1805
Ion Ratio Lower Upper
165 100
63 93.7 57.8 86.6#
89 59.9 51.8 77.8

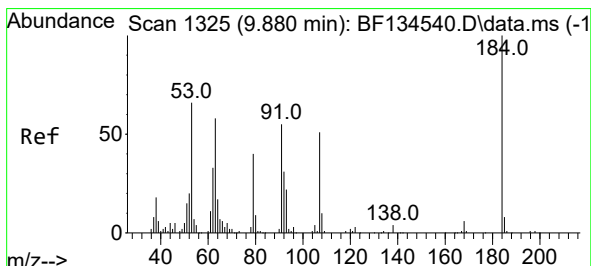
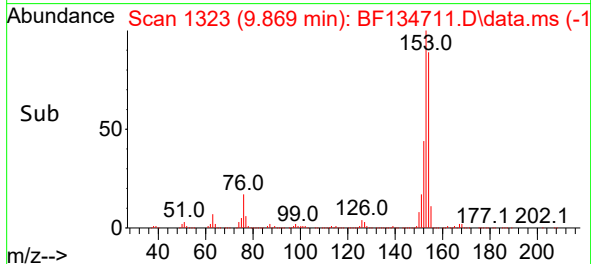
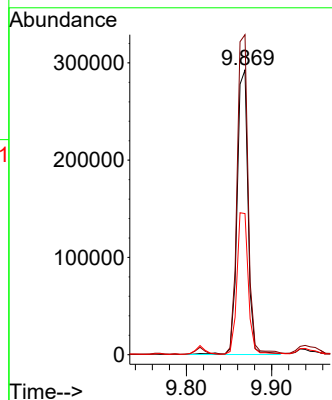
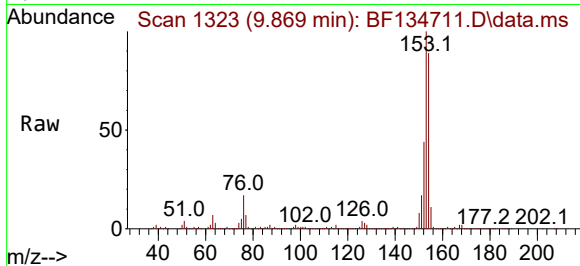




#52
Acenaphthene
Concen: 15.305 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

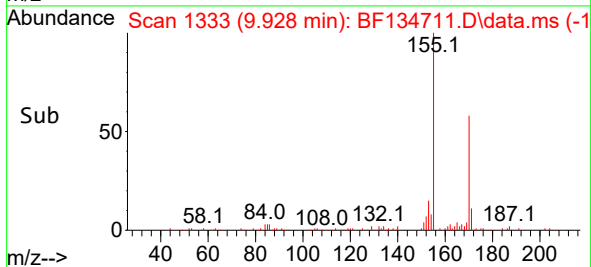
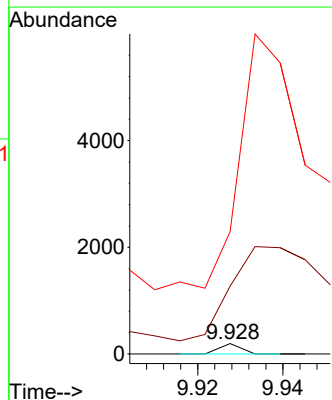
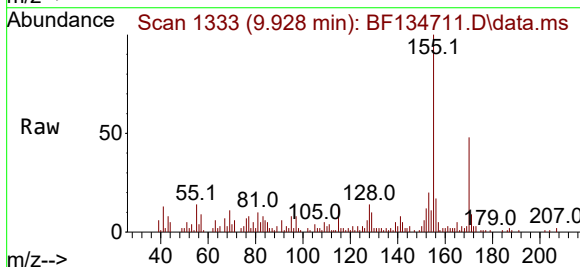
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

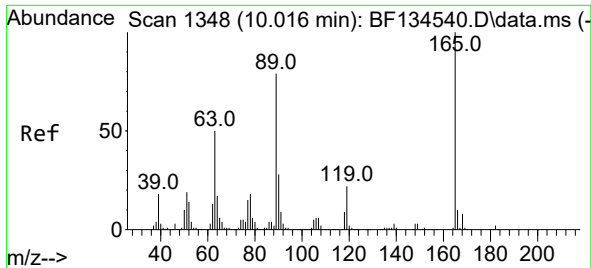
Tgt Ion:154 Resp: 259863
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 49.6 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.838 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.030 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 649.5 57.1 85.7#
154 1170.4 59.1 88.7#

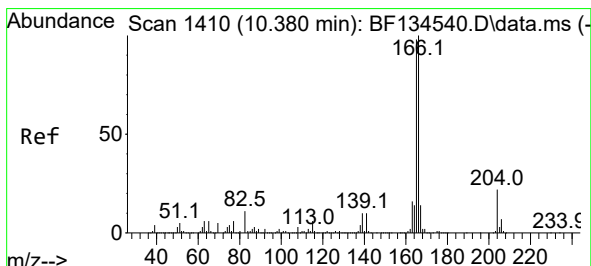
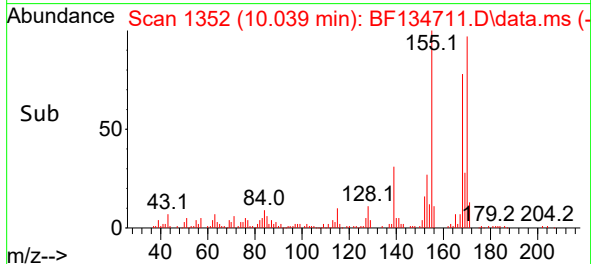
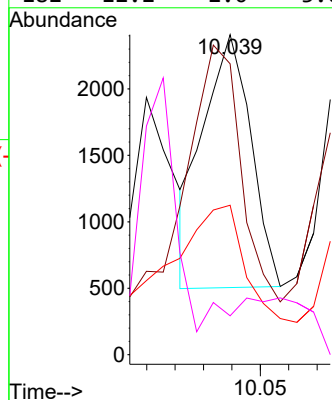
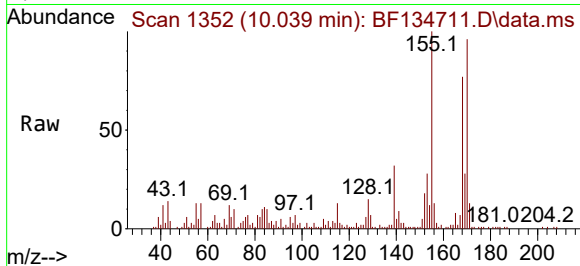




#57
2,4-Dinitrotoluene
Concen: 3.283 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

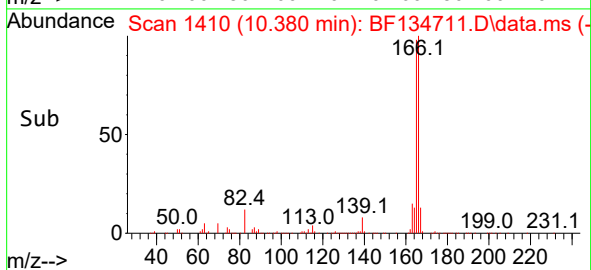
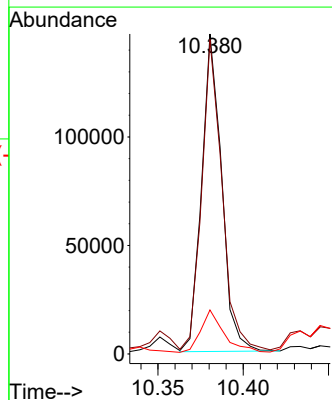
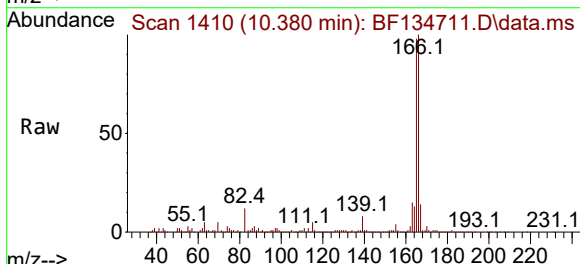
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

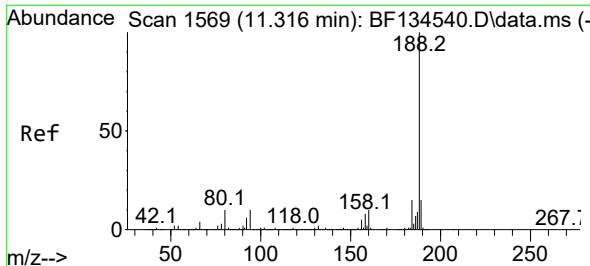
Tgt Ion:165 Resp: 2217
Ion Ratio Lower Upper
165 100
63 90.9 48.9 73.3#
89 46.7 61.7 92.5#
182 12.2 2.0 3.0#



#58
Fluorene
Concen: 6.772 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:166 Resp: 119233
Ion Ratio Lower Upper
166 100
165 98.3 74.5 111.7
167 13.8 10.6 16.0

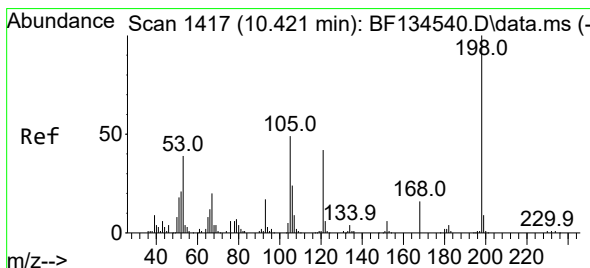
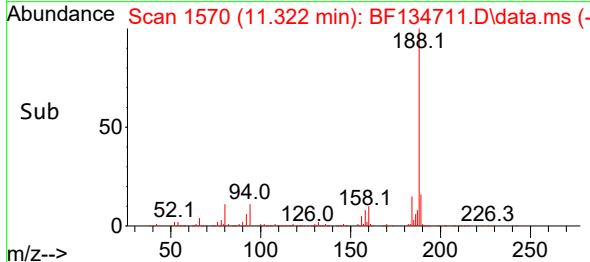
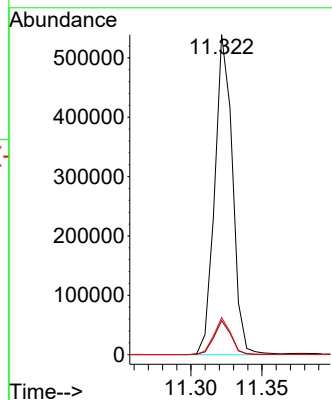
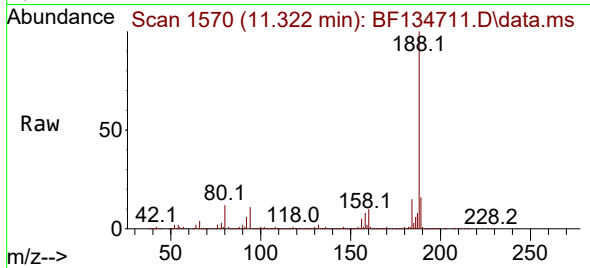




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

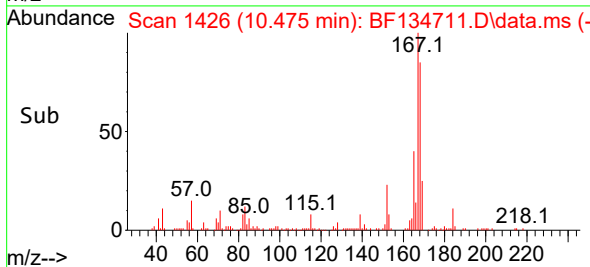
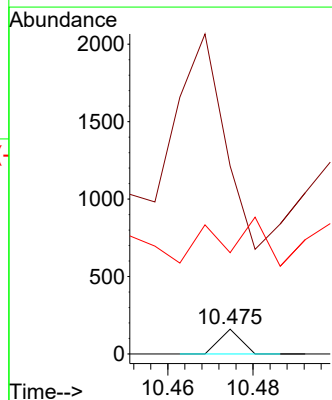
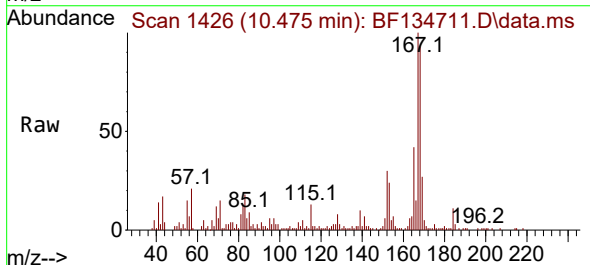
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

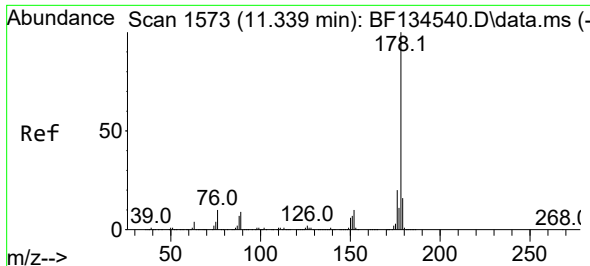
Tgt Ion:188 Resp: 469441
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7#
80 11.5 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.723 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.035 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 758.8 38.6 78.6#
105 408.7 27.9 67.9#

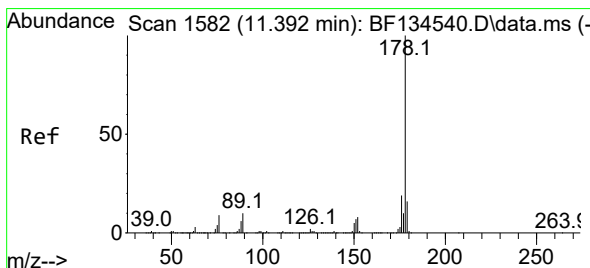
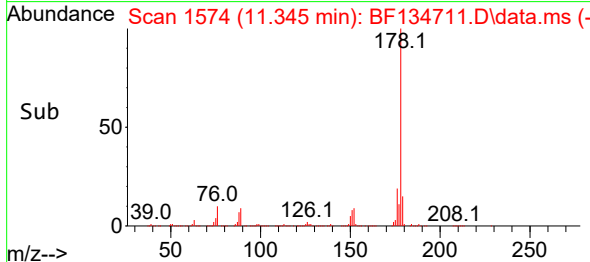
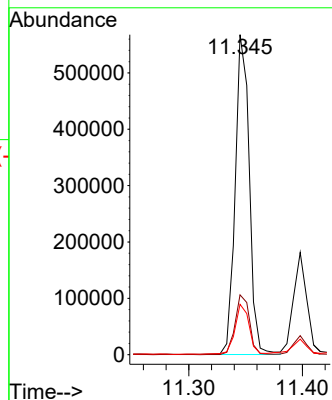
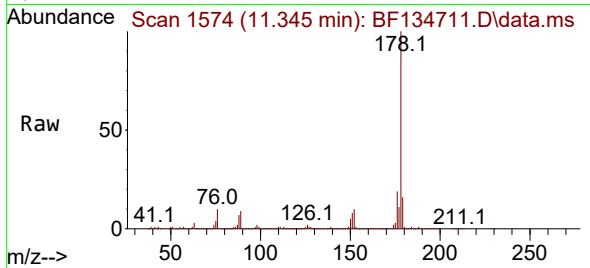




#71
Phenanthrene
Concen: 19.507 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

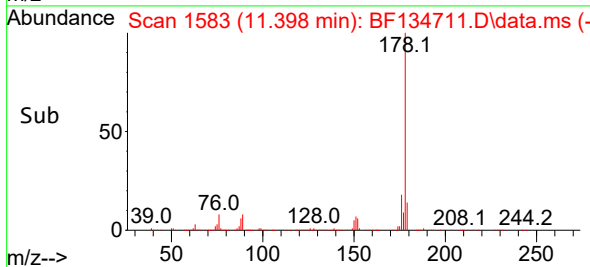
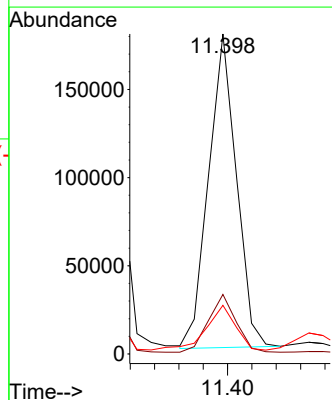
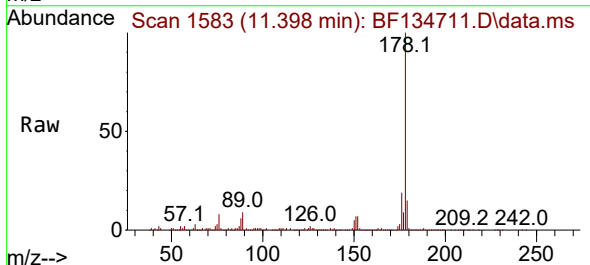
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

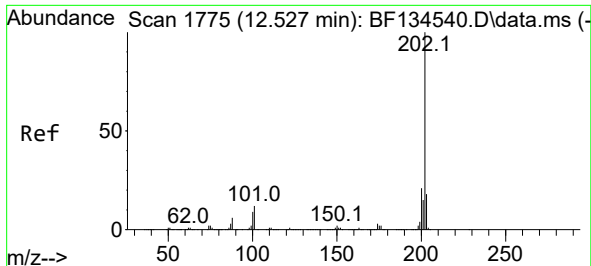
Tgt Ion:178 Resp: 486401
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 5.555 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:178 Resp: 141474
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.2 12.3 18.5

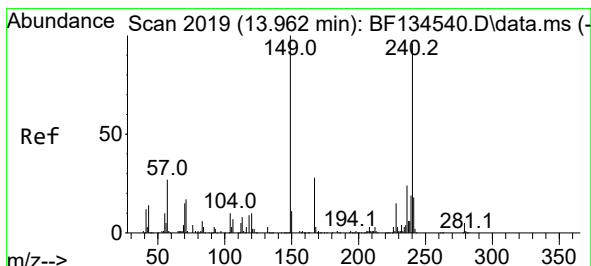
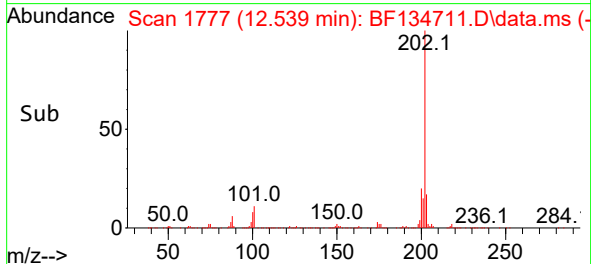
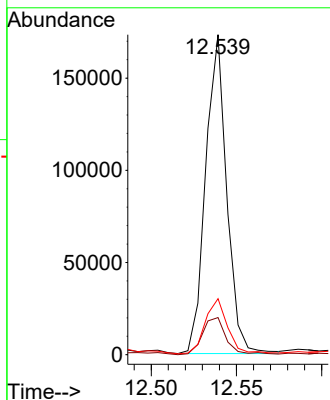
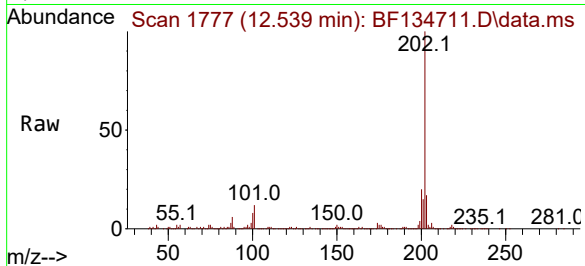




#75
Fluoranthene
Concen: 5.663 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

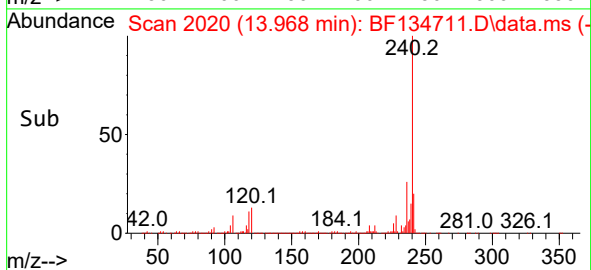
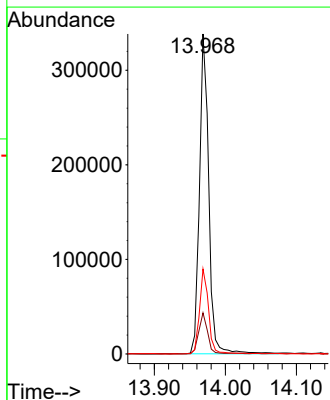
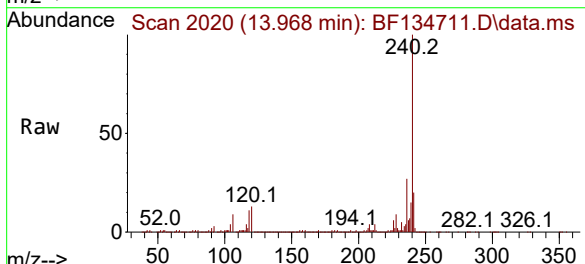
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

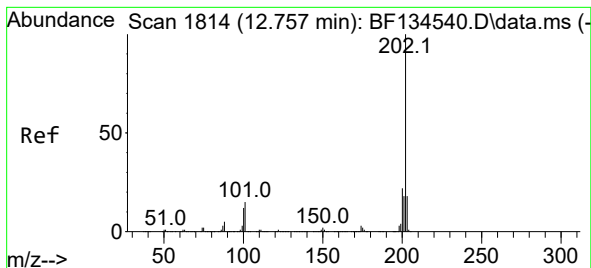
Tgt Ion:202 Resp: 149162
Ion Ratio Lower Upper
202 100
101 11.6 0.0 28.5
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:240 Resp: 307344
Ion Ratio Lower Upper
240 100
120 12.9 6.6 10.0#
236 26.5 20.2 30.2





#78

Pyrene

Concen: 8.444 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL

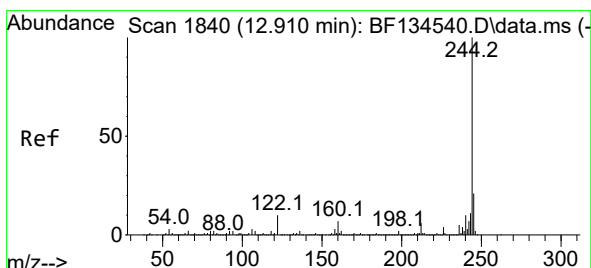
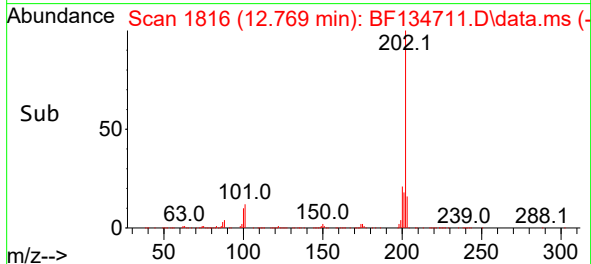
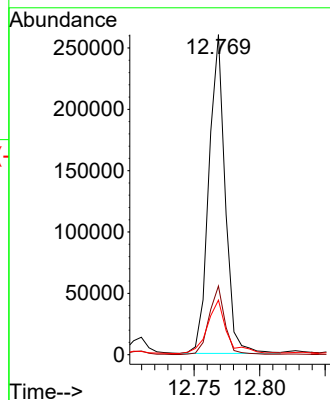
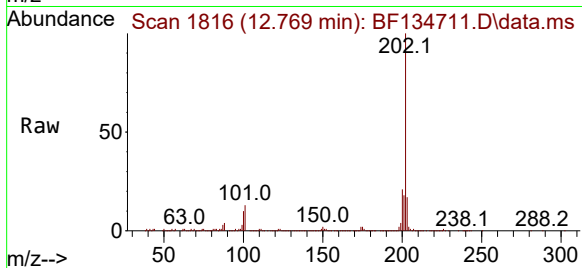
Tgt Ion:202 Resp: 224578

Ion Ratio Lower Upper

202 100

200 21.5 15.8 23.8

203 17.0 13.5 20.3



#79

Terphenyl-d14

Concen: 0.712 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

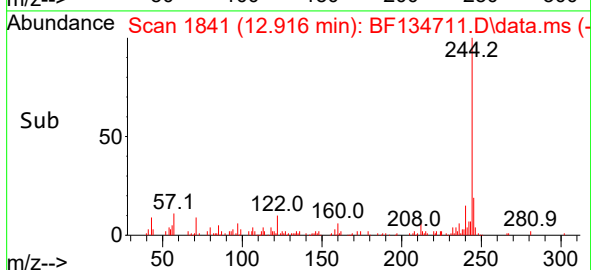
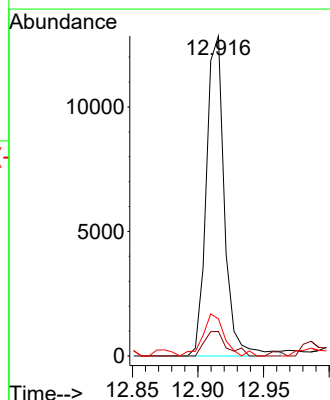
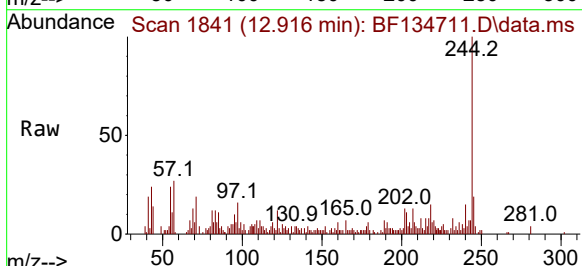
Tgt Ion:244 Resp: 12407

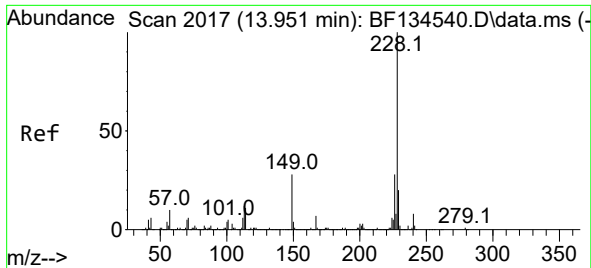
Ion Ratio Lower Upper

244 100

212 7.6 5.6 8.4

122 11.6 8.0 12.0

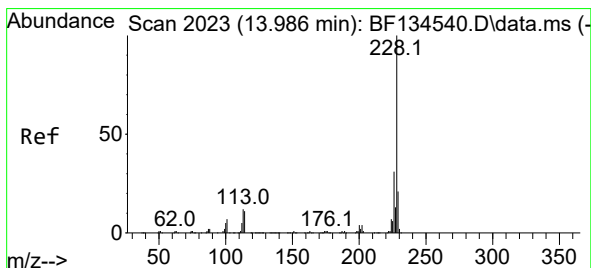
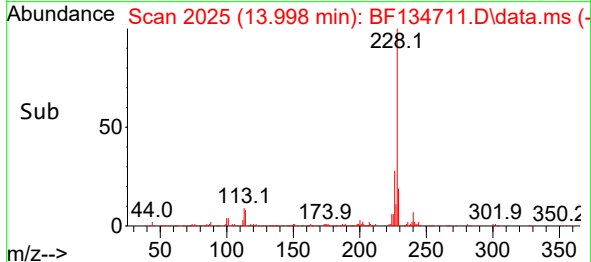
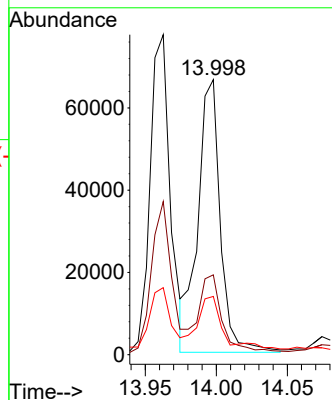
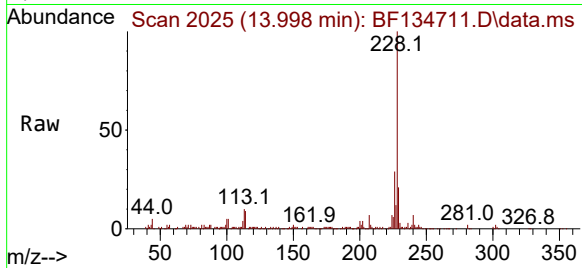




#81
Benzo(a)anthracene
Concen: 3.328 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

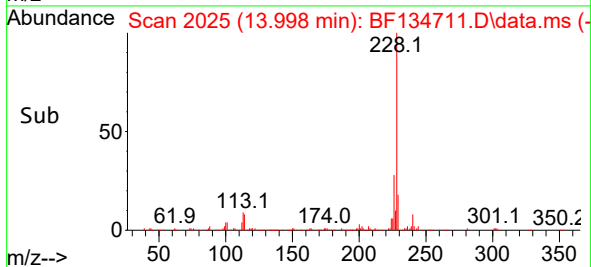
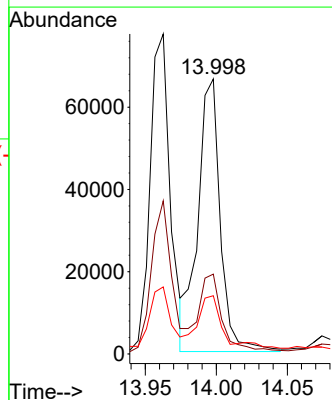
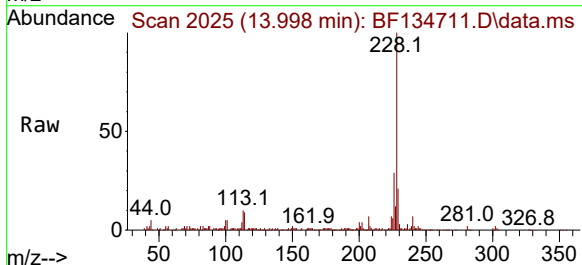
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

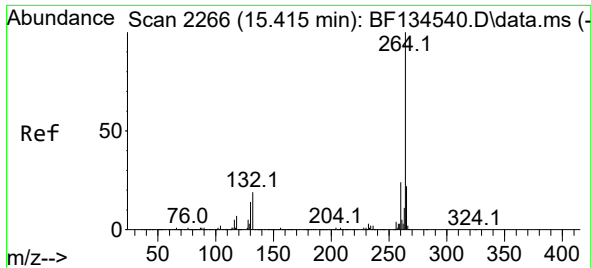
Tgt Ion:228 Resp: 73133
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 21.1 15.8 23.6



#83
Chrysene
Concen: 3.416 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:228 Resp: 73133
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 21.1 15.8 23.8

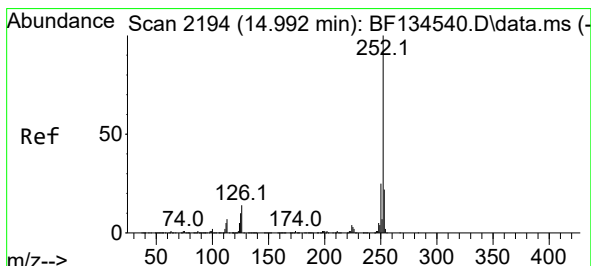
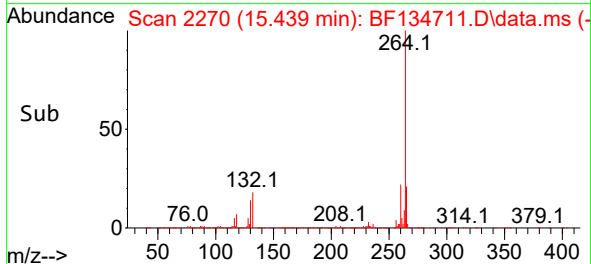
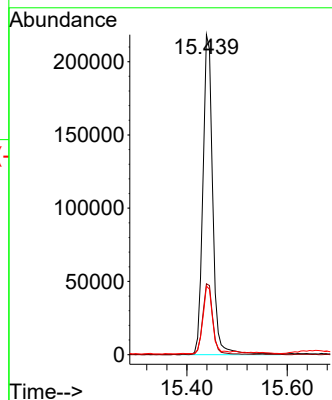
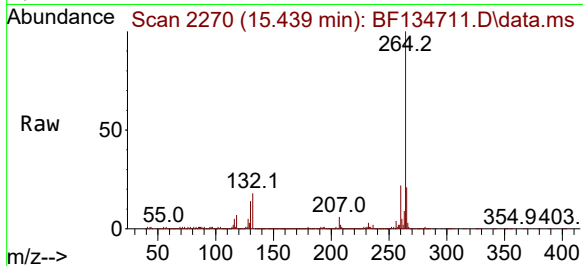




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2198
 Delta R.T. 0.000 min
 Lab File: BF134711.D
 Acq: 10 Aug 2023 16:17

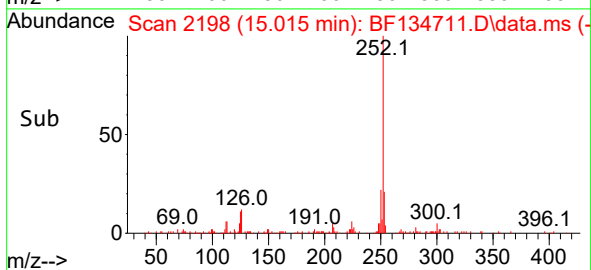
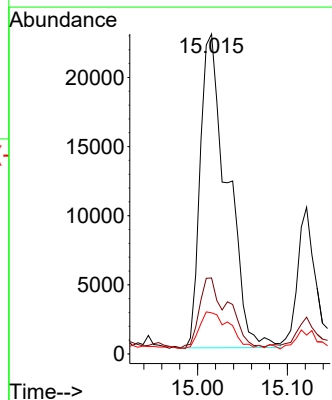
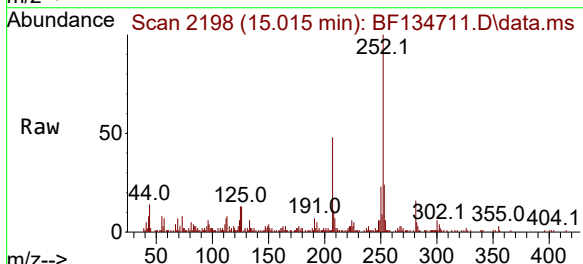
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z20-22DL

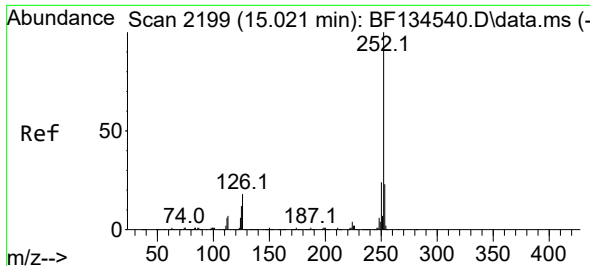
Tgt Ion:264 Resp: 297409
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.4 27.6
 265 21.4 15.8 23.8



#88
 Benzo(b)fluoranthene
 Concen: 2.622 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. 0.006 min
 Lab File: BF134711.D
 Acq: 10 Aug 2023 16:17

Tgt Ion:252 Resp: 47568
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.3 25.9
 125 12.9 6.0 9.0#

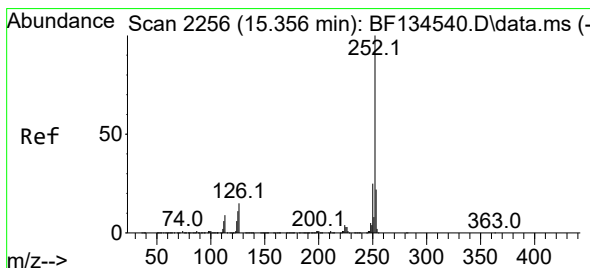
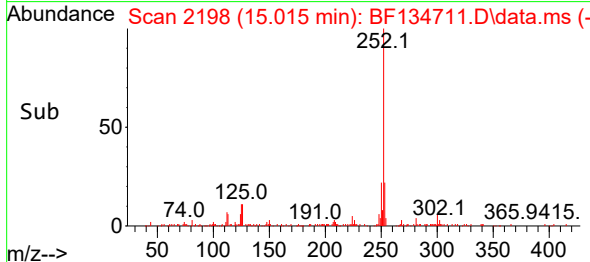
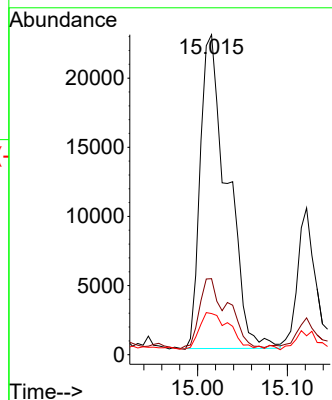
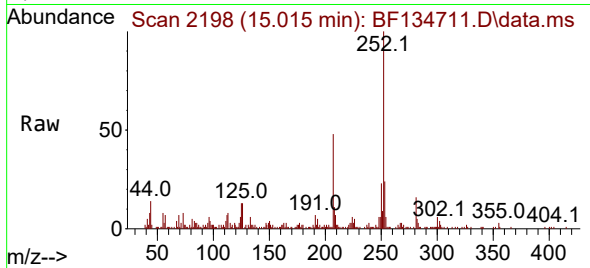




#89
Benzo(k)fluoranthene
Concen: 2.633 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

Tgt Ion:252 Resp: 47568
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 12.9 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 2.530 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:252 Resp: 42786
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 12.6 6.2 9.4#

