

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136432.D
 Acq On : 06 Dec 2023 17:13
 Operator : CG\JU
 Sample : 05602-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 00:53:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

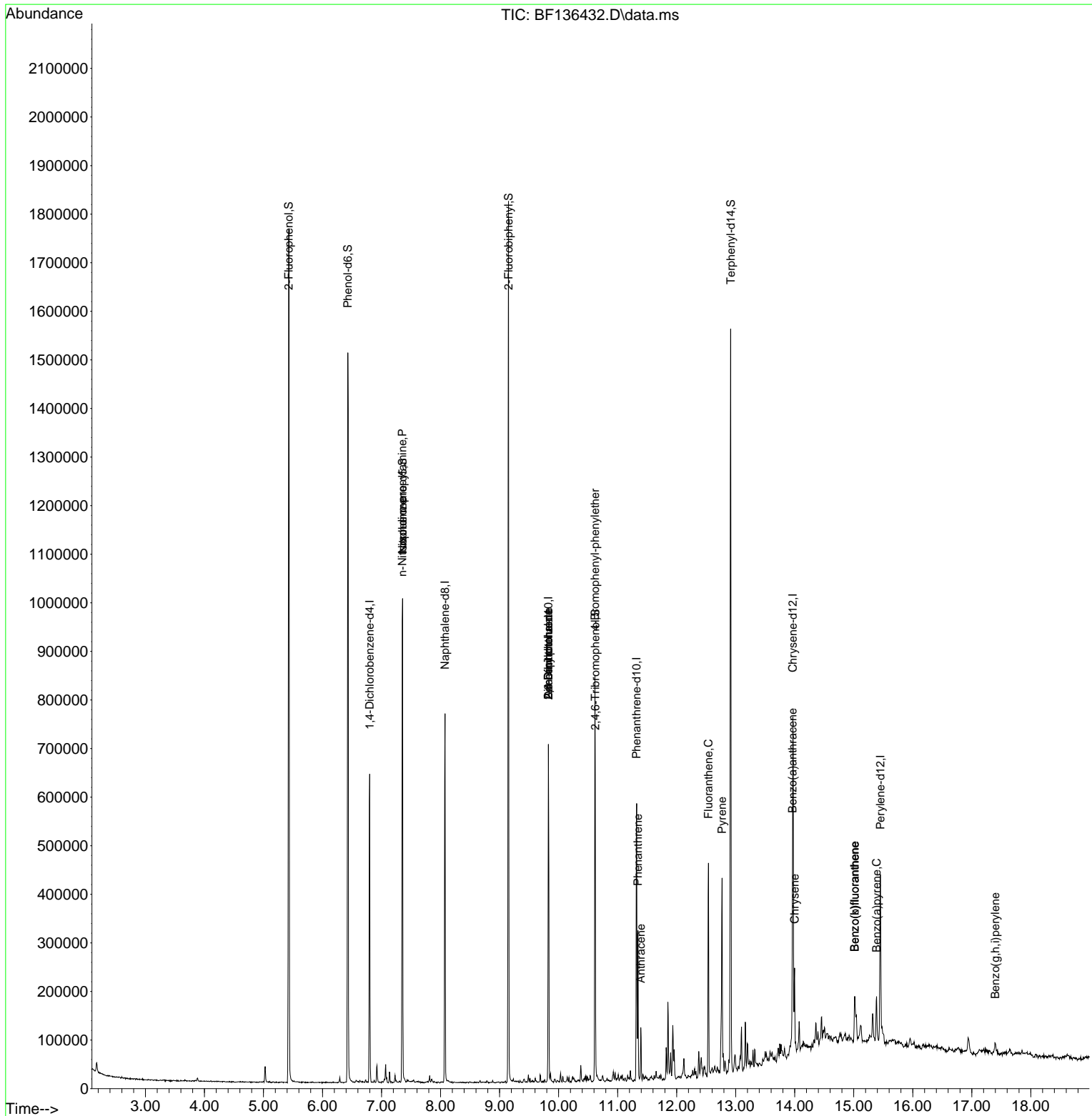
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.799	152	92745	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	328029	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	129079	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	217313	20.000	ng	0.00
76) Chrysene-d12	13.969	240	202659	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	162172	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	477921	76.102	ng	0.00
7) Phenol-d6	6.428	99	558747	71.312	ng	-0.02
23) Nitrobenzene-d5	7.357	82	322506	53.150	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	101022	63.474	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	516287	54.577	ng	-0.01
79) Terphenyl-d14	12.916	244	542753	35.299	ng	0.00
Target Compounds						
9) Benzaldehyde	6.434	77	771	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	41378	9.155	ng	# 78
25) Isophorone	7.357	82	322503	29.583	ng	# 65
50) Dimethylphthalate	9.828	163	24842	2.614	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	16746	7.833	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	16746	5.921	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	6091	2.411	ng	# 1
71) Phenanthrene	11.345	178	118556	9.926	ng	98
72) Anthracene	11.392	178	40606	3.375	ng	98
75) Fluoranthene	12.539	202	170614	13.630	ng	98
77) Benzidine	12.916	184	6472	Below Cal	#	91
78) Pyrene	12.769	202	163292	8.227	ng	97
81) Benzo(a)anthracene	13.963	228	73219	5.187	ng	96
83) Chrysene	13.998	228	66459	4.785	ng	97
88) Benzo(b)fluoranthene	15.016	252	75564	6.815	ng	# 93
89) Benzo(k)fluoranthene	15.016	252	75564	7.231	ng	# 93
90) Benzo(a)pyrene	15.386	252	42261	4.615	ng	98
92) Benzo(g,h,i)perylene	17.398	276	19371	2.045	ng	96

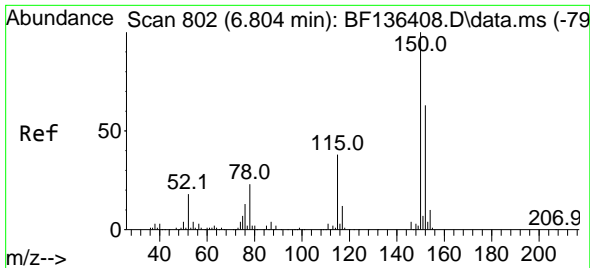
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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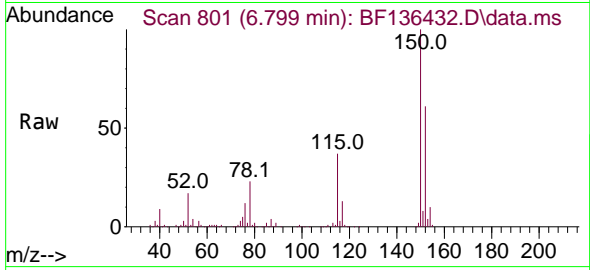
Quant Time: Dec 07 00:53:22 2023
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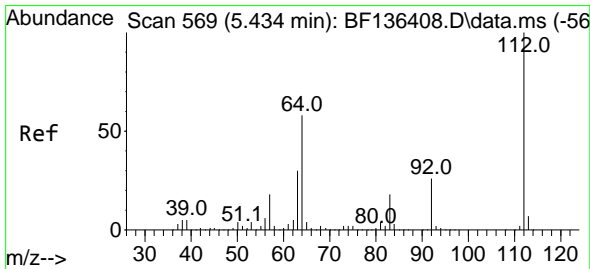
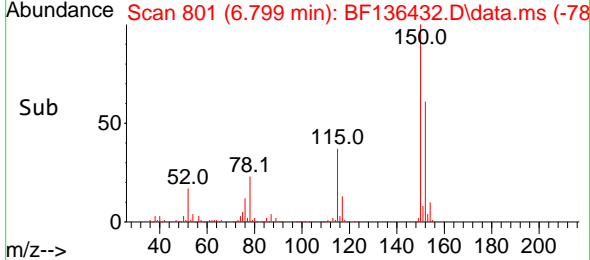
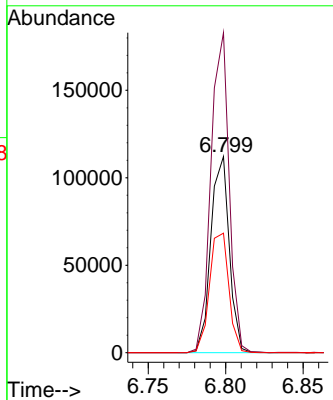


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.799 min Scan# 801
 Delta R.T. -0.005 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :

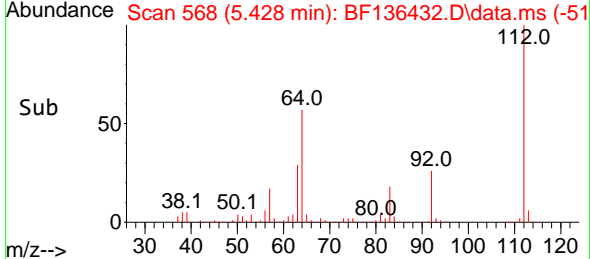
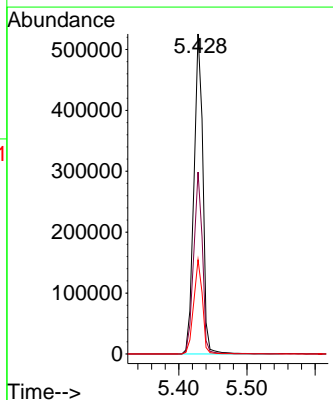
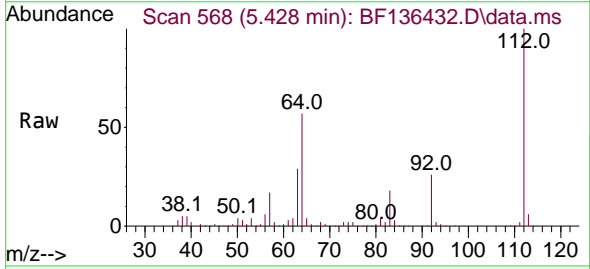


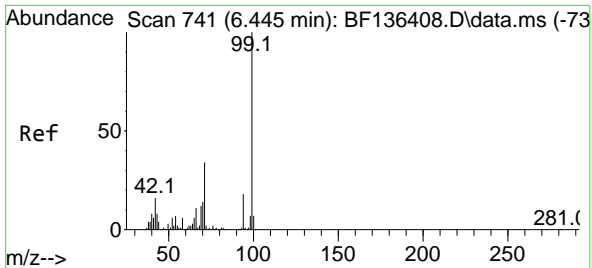
Tgt Ion:152 Resp: 92745
 Ion Ratio Lower Upper
 152 100
 150 163.1 126.4 189.6
 115 60.9 48.2 72.4



#5
 2-Fluorophenol
 Concen: 76.102 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

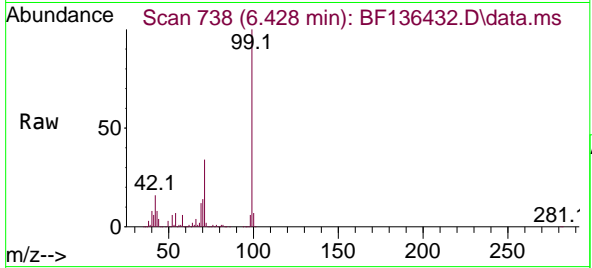
Tgt Ion:112 Resp: 477921
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.5 69.7
 63 29.5 23.9 35.9



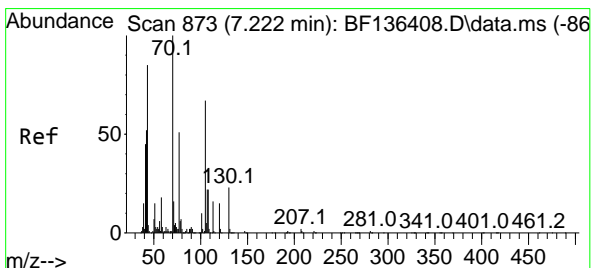
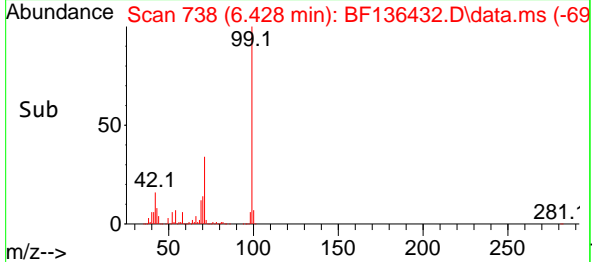
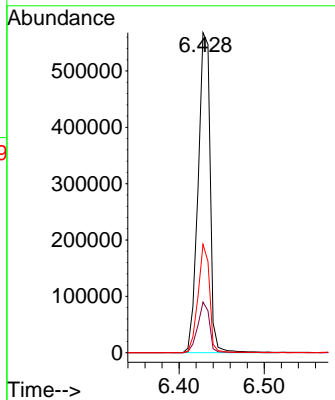


#7
 Phenol-d6
 Concen: 71.312 ng
 RT: 6.428 min Scan# 713
 Delta R.T. -0.017 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :

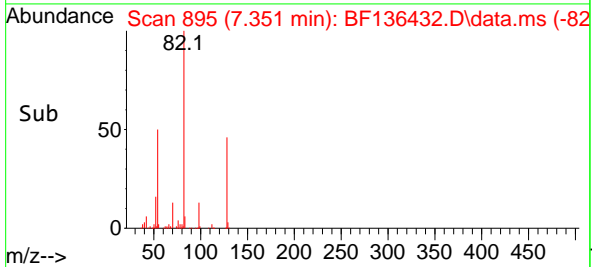
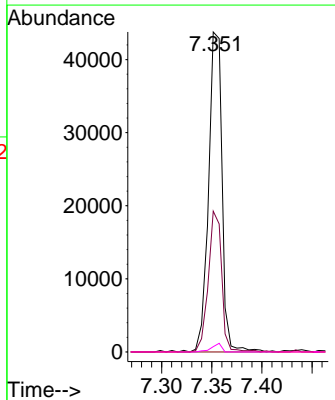
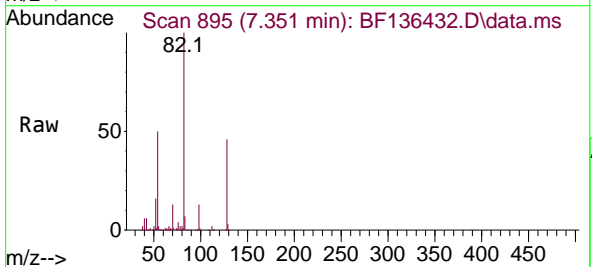


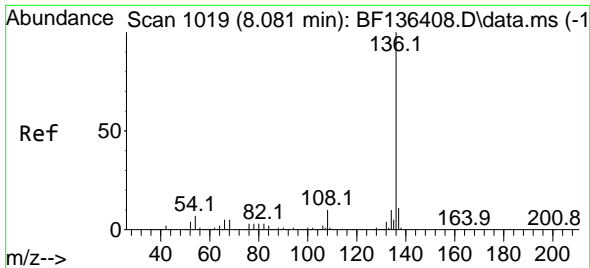
Tgt Ion	Resp	Ion Ratio	Lower	Upper
99	558747	100		
42		15.8	12.8	19.2
71		33.9	27.0	40.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 9.155 ng
 RT: 7.351 min Scan# 895
 Delta R.T. 0.130 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

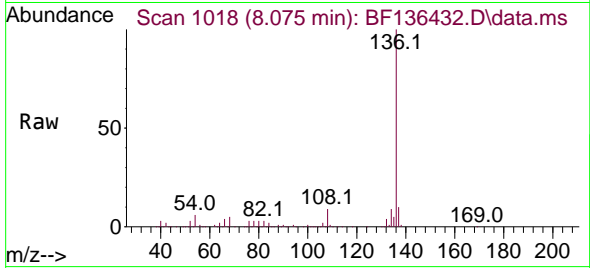
Tgt Ion	Resp	Ion Ratio	Lower	Upper
70	41378	100		
42		44.0	41.4	62.0
101		0.0	8.2	12.4#
130		1.7	18.6	28.0#





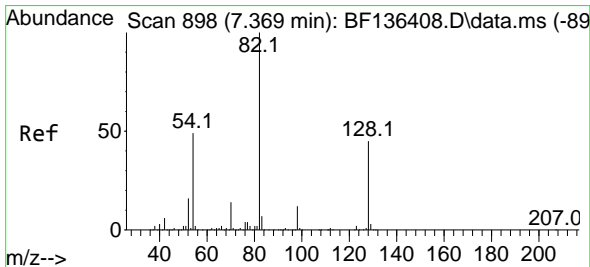
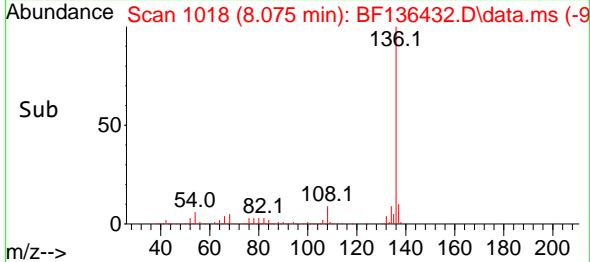
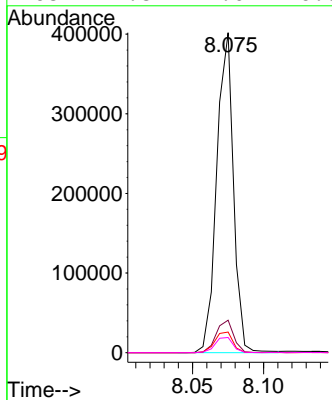
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.075 min Scan# 1019
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :



Tgt Ion:136 Resp: 328029

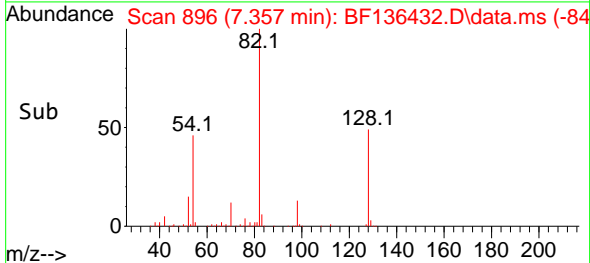
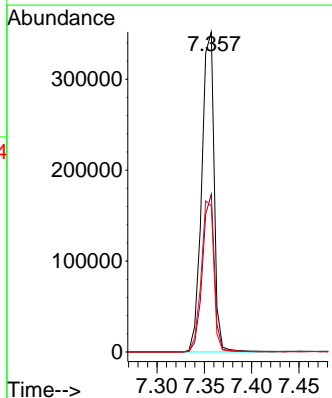
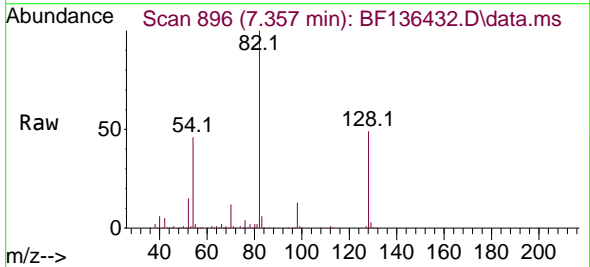
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	12.8
54	6.5	5.7	8.5
68	4.8	4.0	6.0

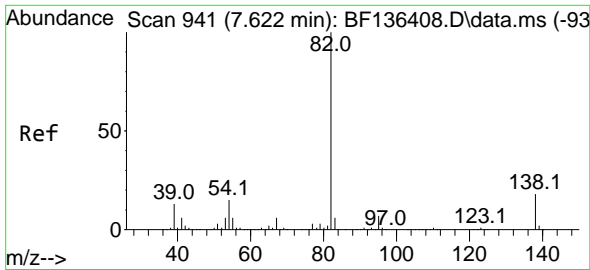


#23
 Nitrobenzene-d5
 Concen: 53.150 ng
 RT: 7.357 min Scan# 896
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Tgt Ion: 82 Resp: 322506

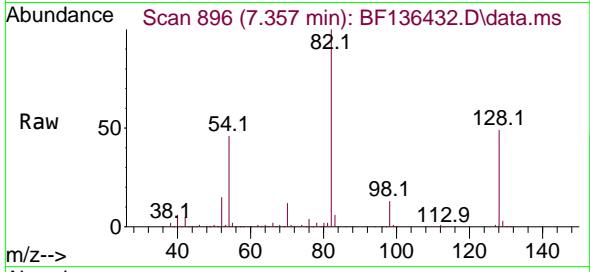
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.3	54.5
54	45.6	39.0	58.6



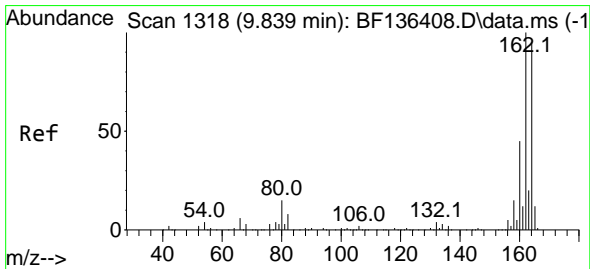
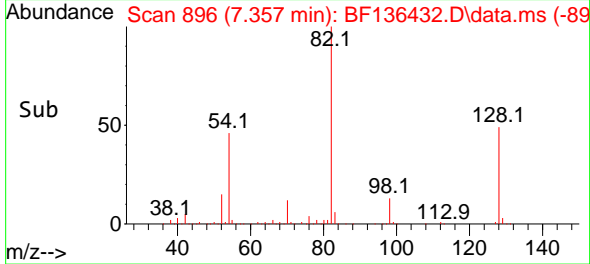
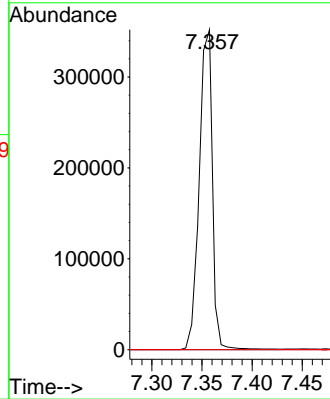


#25
 Isophorone
 Concen: 29.583 ng
 RT: 7.357 min Scan# 89
 Delta R.T. -0.264 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument :
 BNA_F
 ClientSampleId :

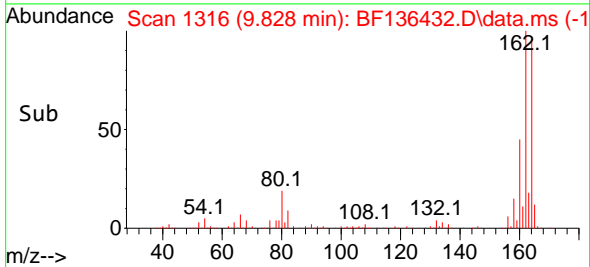
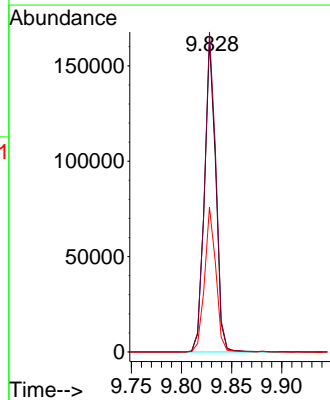
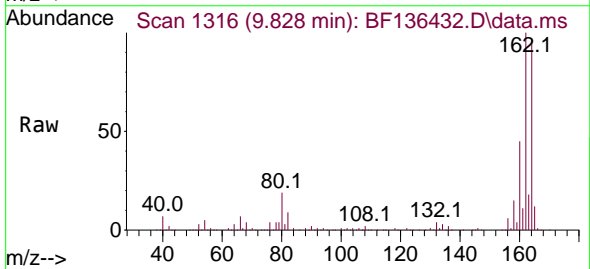


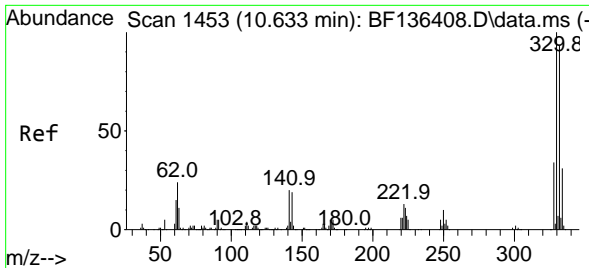
Tgt Ion: 82 Resp: 322503
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 14.5 21.7#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.828 min Scan# 1316
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

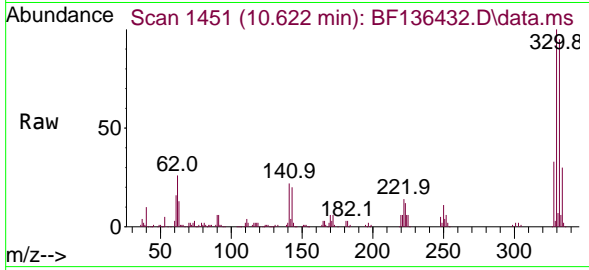
Tgt Ion: 164 Resp: 129079
 Ion Ratio Lower Upper
 164 100
 162 102.6 84.4 126.6
 160 46.5 37.6 56.4



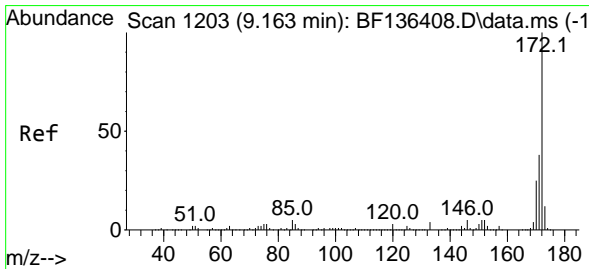
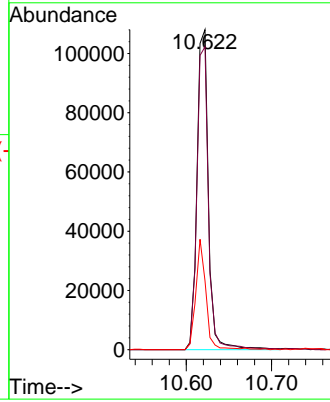
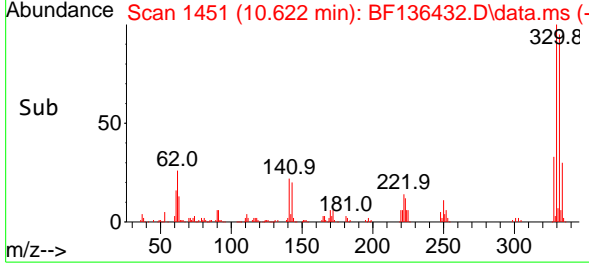


#42
 2,4,6-Tribromophenol
 Concen: 63.474 ng
 RT: 10.622 min Scan# 14
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

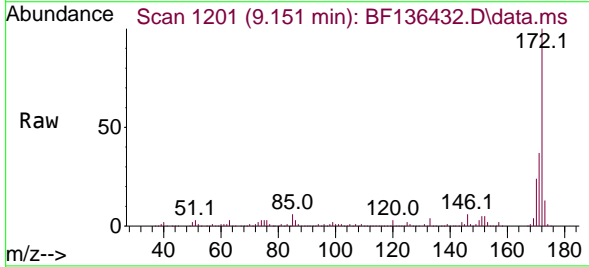
Instrument :
 BNA_F
 ClientSampleId :



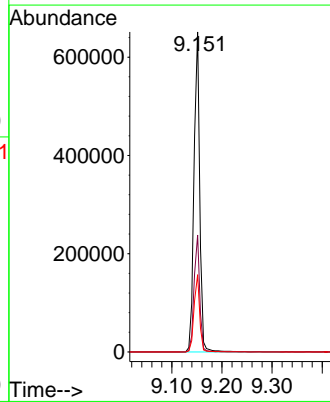
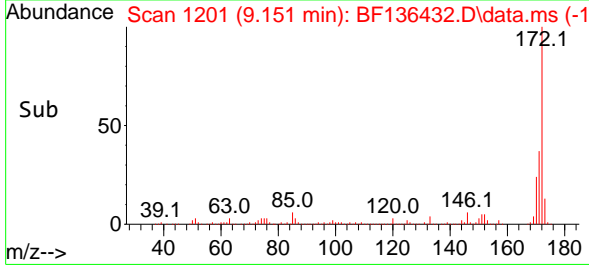
Tgt Ion:330 Resp: 101022
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.4 114.6
 141 30.6 23.4 35.2

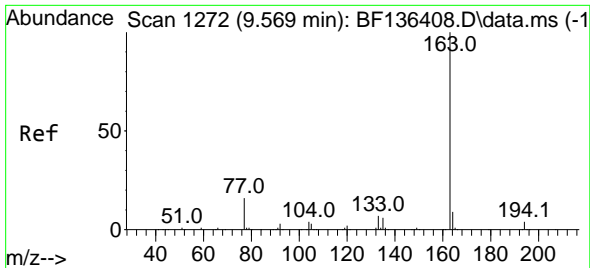


#45
 2-Fluorobiphenyl
 Concen: 54.577 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13



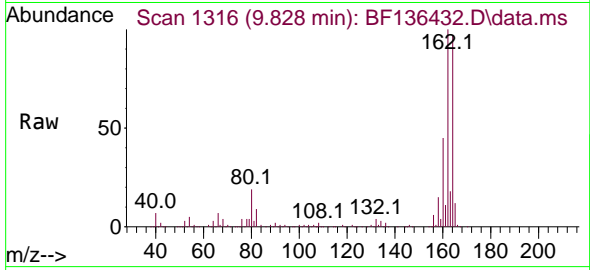
Tgt Ion:172 Resp: 516287
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.5 45.7
 170 24.2 19.9 29.9





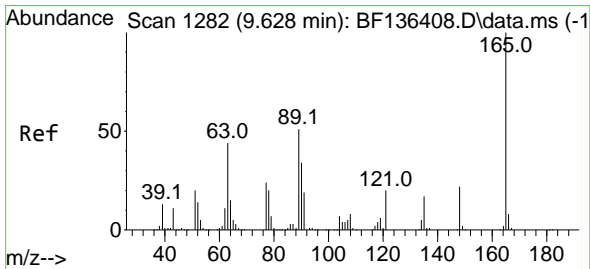
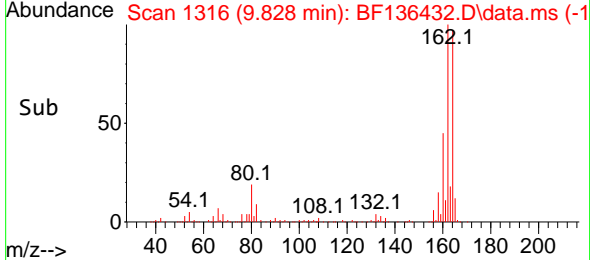
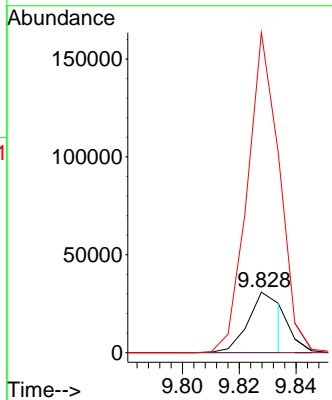
#50
 Dimethylphthalate
 Concen: 2.614 ng
 RT: 9.828 min Scan# 1316
 Delta R.T. 0.259 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :



Tgt Ion:163 Resp: 24842

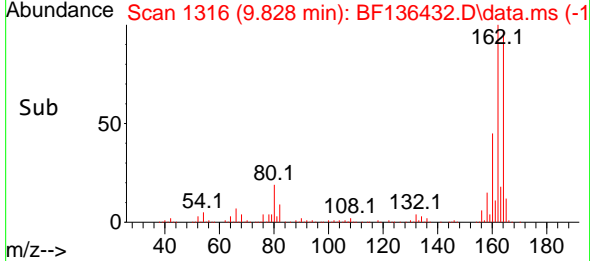
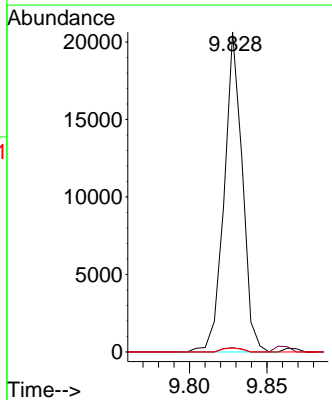
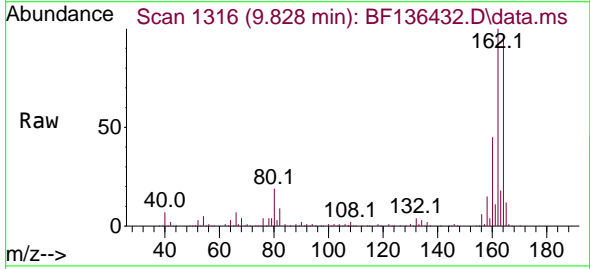
Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.0	4.6#
164	529.3	7.4	11.2#

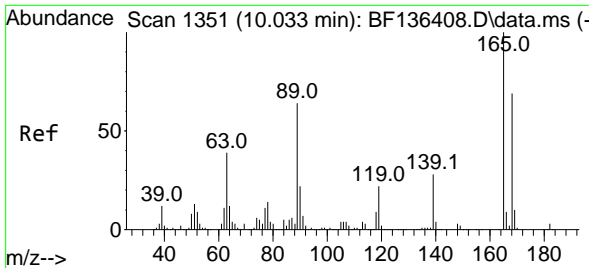


#51
 2,6-Dinitrotoluene
 Concen: 7.833 ng
 RT: 9.828 min Scan# 1316
 Delta R.T. 0.200 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Tgt Ion:165 Resp: 16746

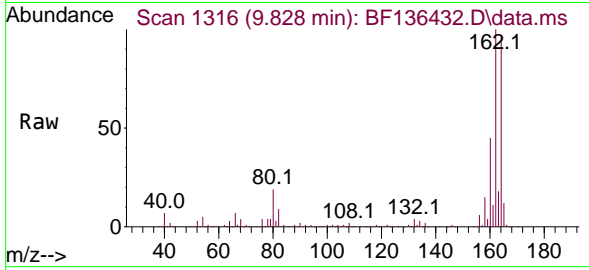
Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.4	60.6#
89	1.2	40.6	60.8#





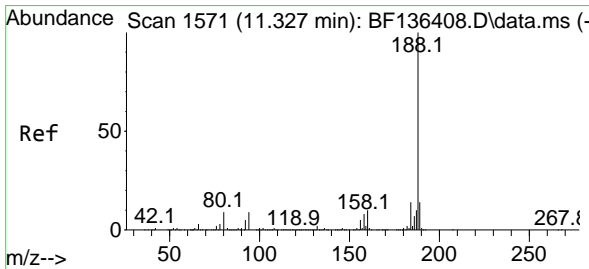
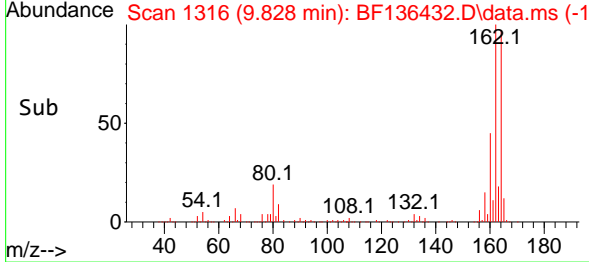
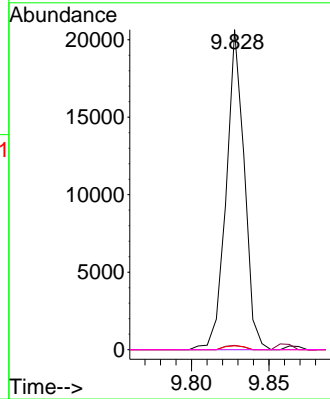
#57
 2,4-Dinitrotoluene
 Concen: 5.921 ng
 RT: 9.828 min Scan# 11
 Delta R.T. -0.206 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:165 Resp: 16746

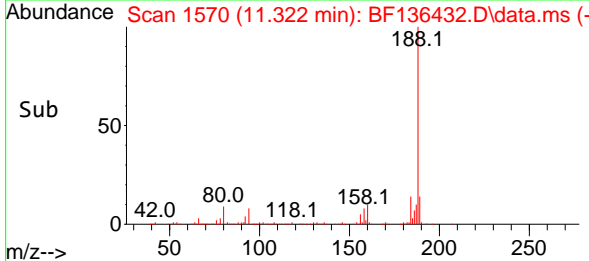
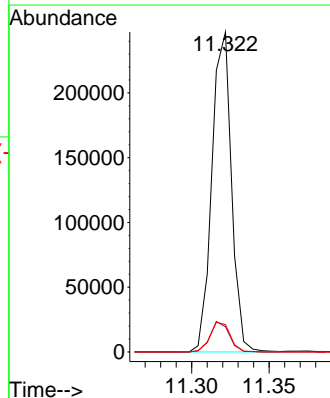
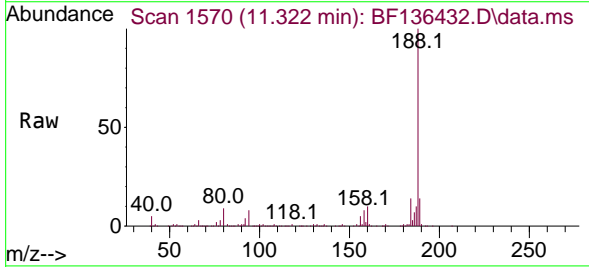
Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.4	47.2#
89	1.2	51.7	77.5#
182	0.0	2.2	3.2#

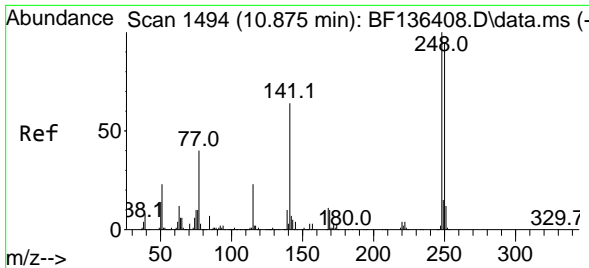


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.322 min Scan# 1570
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Tgt Ion:188 Resp: 217313

Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.2	10.8
80	8.6	7.2	10.8

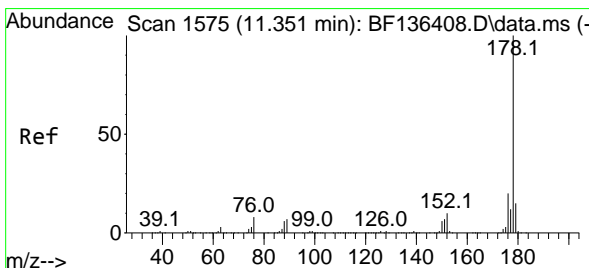
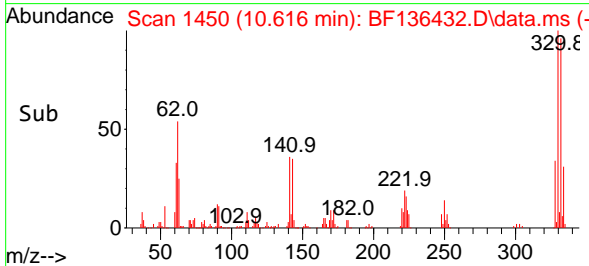
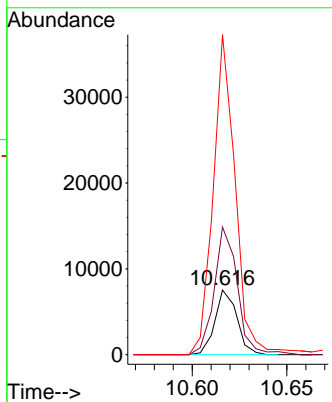
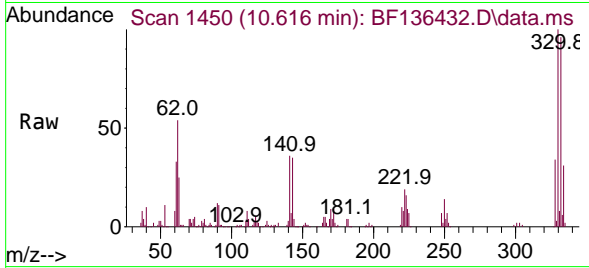




#67
 4-Bromophenyl-phenylether
 Concen: 2.411 ng
 RT: 10.616 min Scan# 14
 Delta R.T. -0.259 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

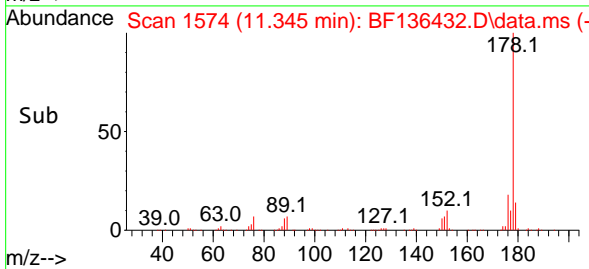
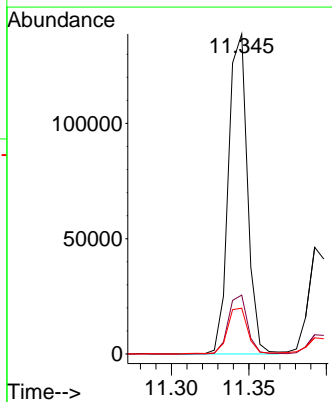
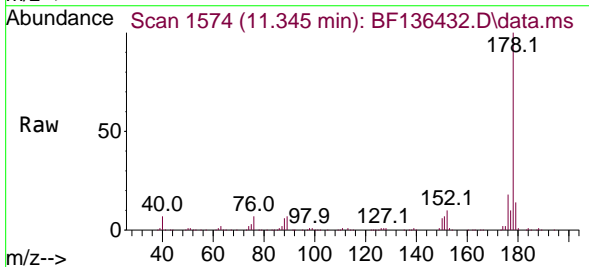
Instrument :
 BNA_F
 ClientSampleId :

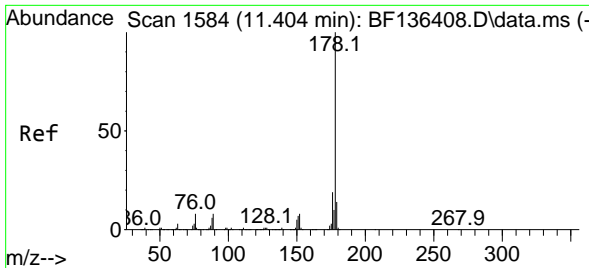
Tgt Ion:248 Resp: 6091
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.2 114.2#
 141 494.9 51.0 76.4#



#71
 Phenanthrene
 Concen: 9.926 ng
 RT: 11.345 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

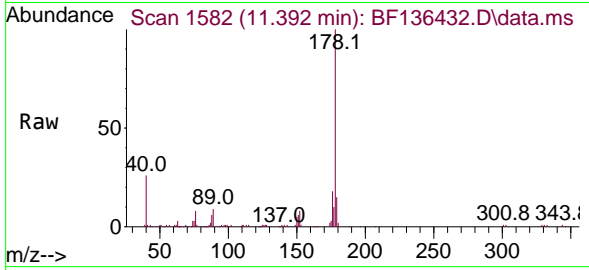
Tgt Ion:178 Resp: 118556
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.9 23.9
 179 14.3 11.8 17.6



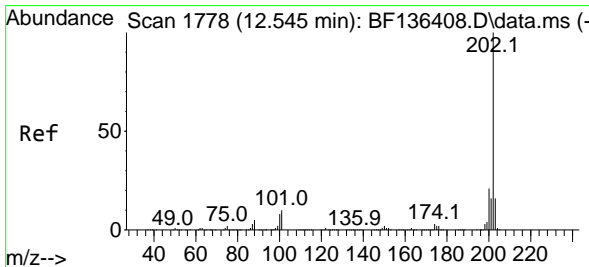
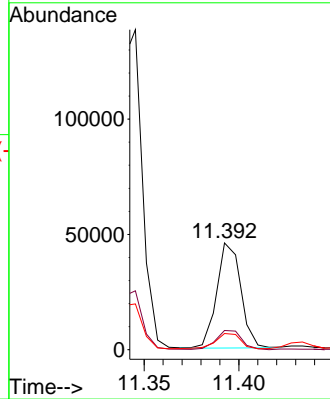
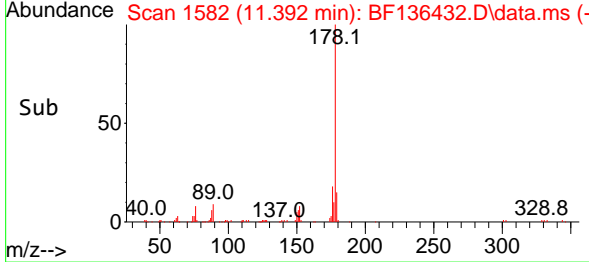


#72
 Anthracene
 Concen: 3.375 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

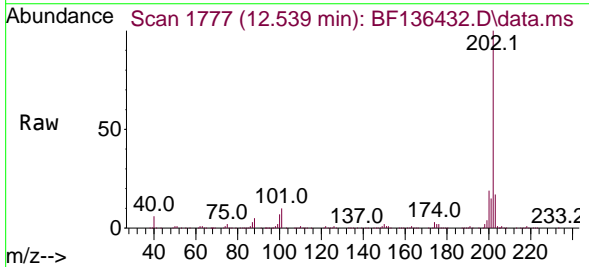
Instrument :
 BNA_F
 ClientSampleId :



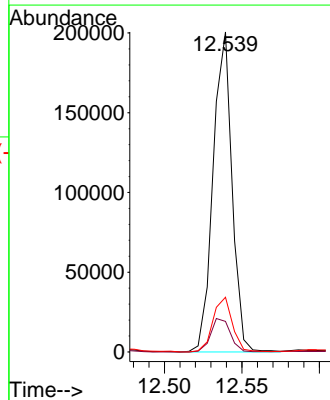
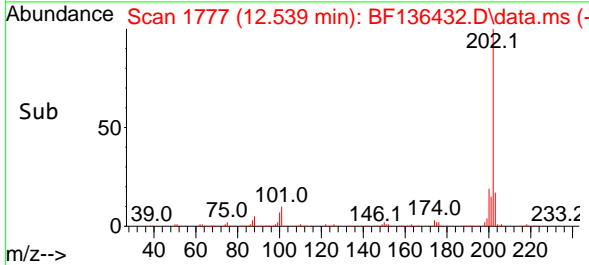
Tgt Ion:178 Resp: 40606
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.3 22.9
 179 15.1 11.4 17.0

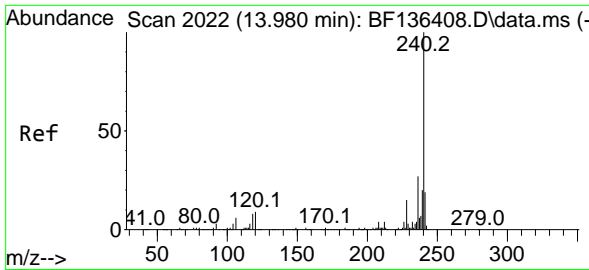


#75
 Fluoranthene
 Concen: 13.630 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13



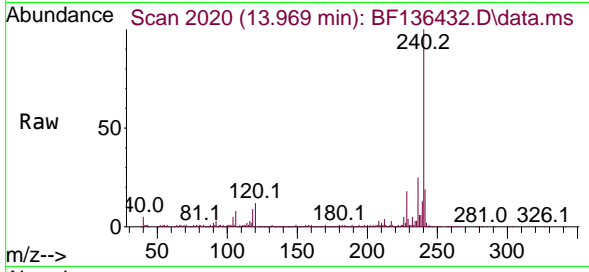
Tgt Ion:202 Resp: 170614
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.9
 203 17.1 0.0 36.3



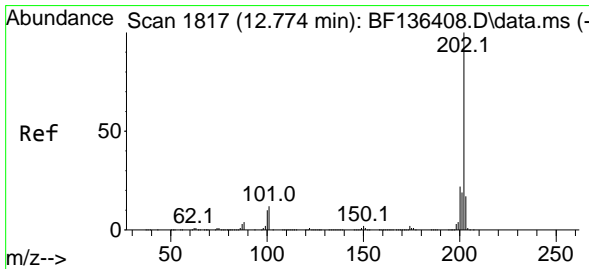
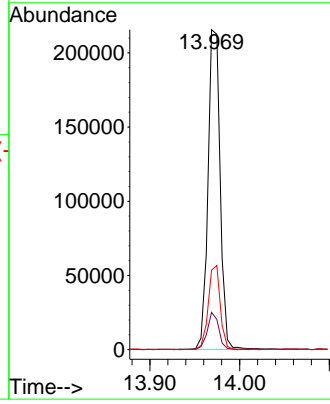
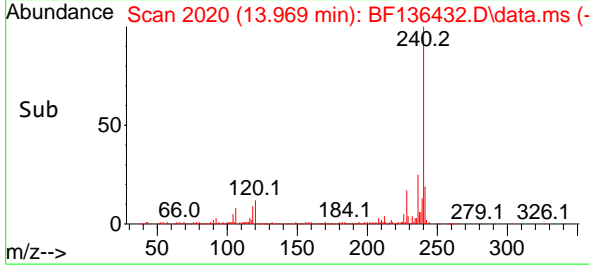


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. -0.012 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :

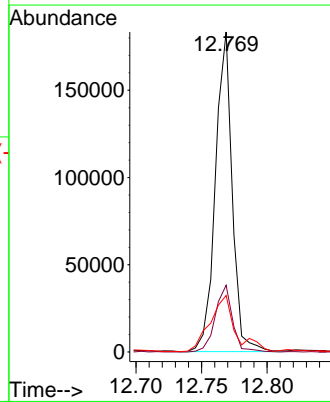
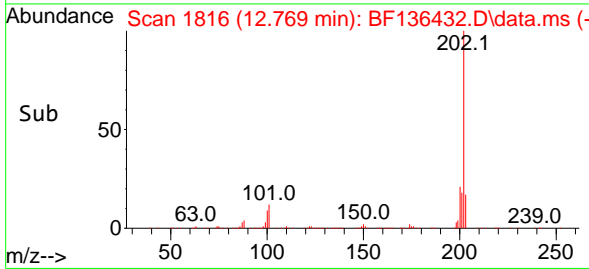
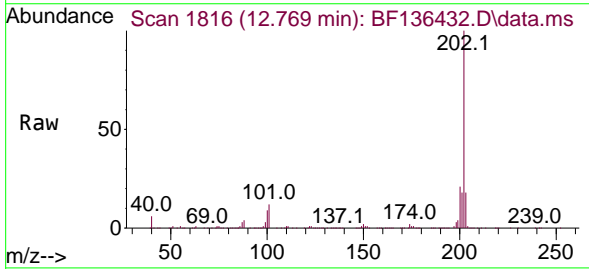


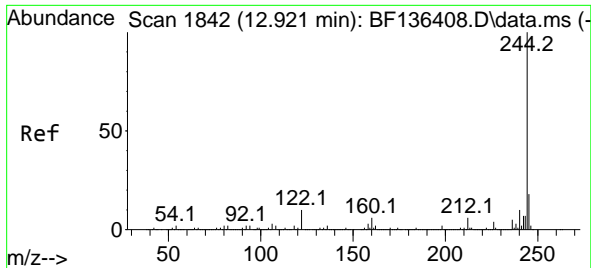
Tgt Ion:240 Resp: 202659
 Ion Ratio Lower Upper
 240 100
 120 11.6 7.3 10.9#
 236 24.9 21.3 31.9



#78
 Pyrene
 Concen: 8.227 ng
 RT: 12.769 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

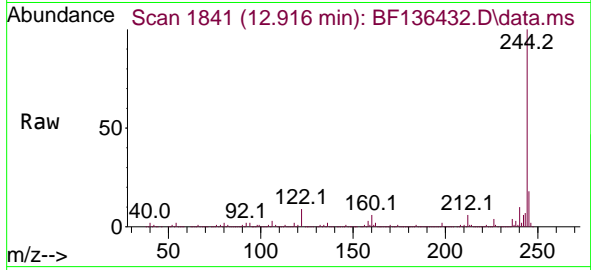
Tgt Ion:202 Resp: 163292
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.0 27.0
 203 17.7 13.5 20.3



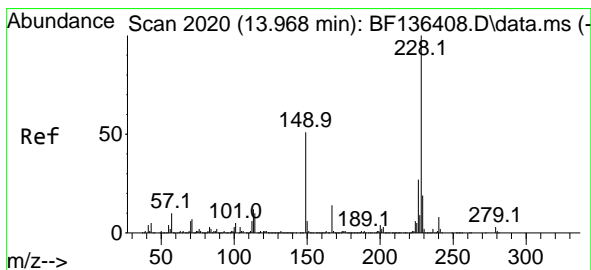
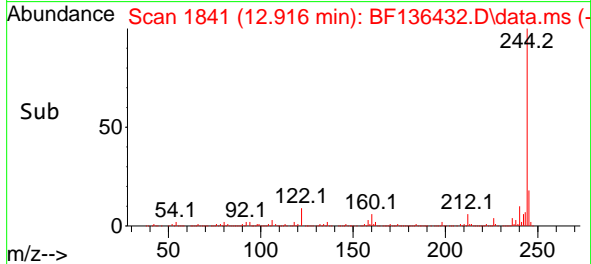
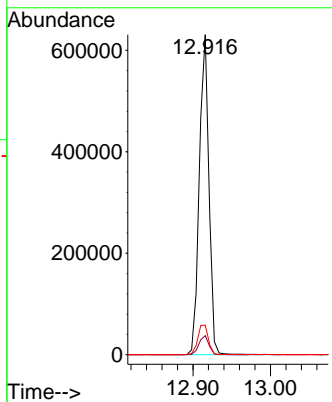


#79
 Terphenyl-d14
 Concen: 35.299 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :

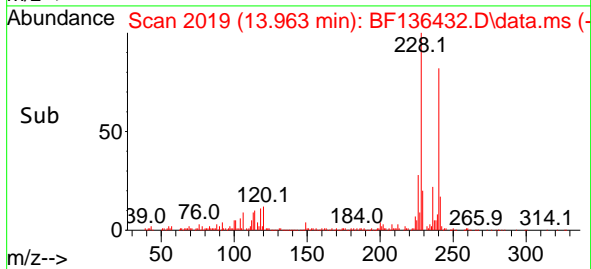
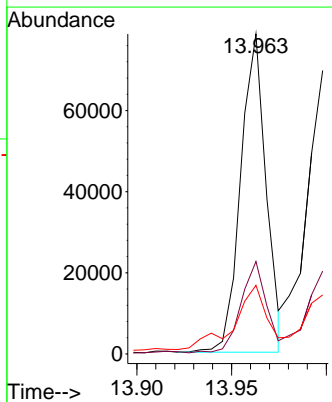
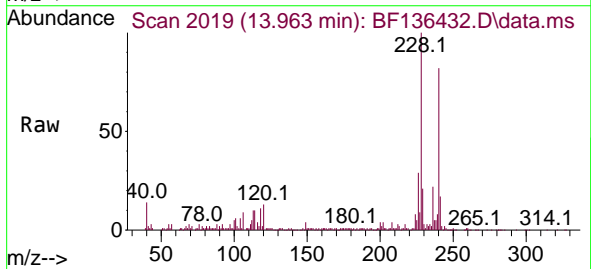


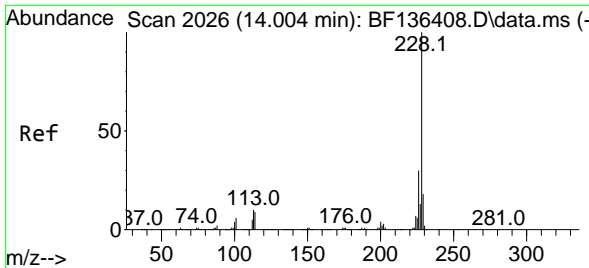
Tgt Ion:244 Resp: 542753
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 9.2 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 5.187 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

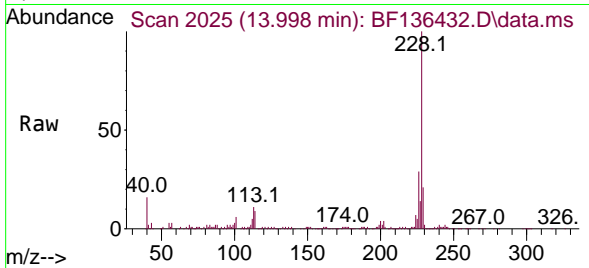
Tgt Ion:228 Resp: 73219
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.8 32.8
 229 21.4 15.0 22.4





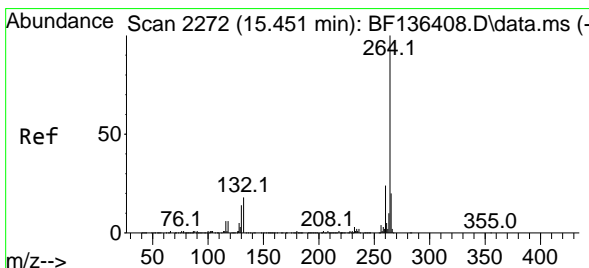
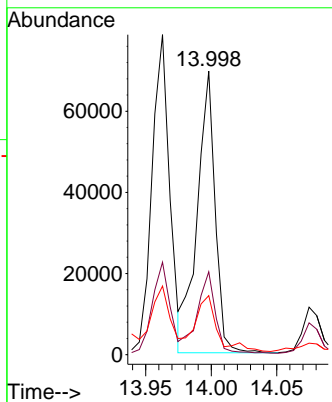
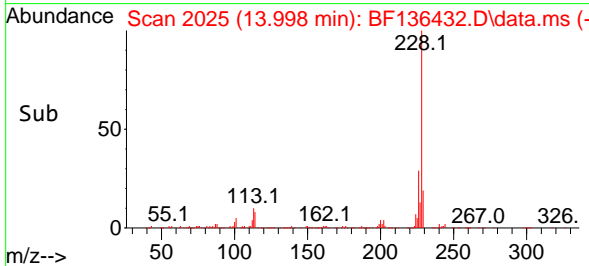
#83
 Chrysene
 Concen: 4.785 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 Client SampleId :

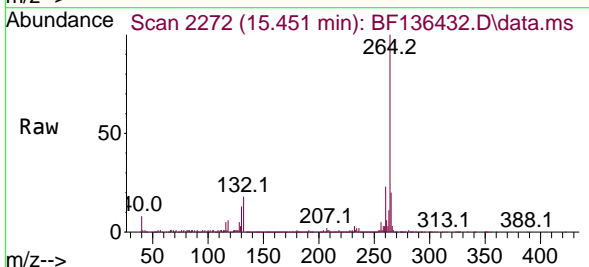


Tgt Ion: 228 Resp: 66459

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	20.9	14.8	22.2

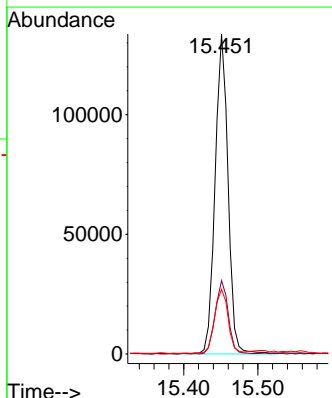
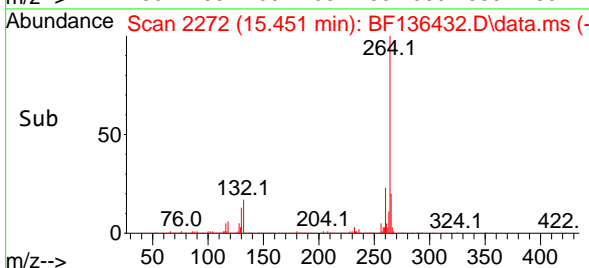


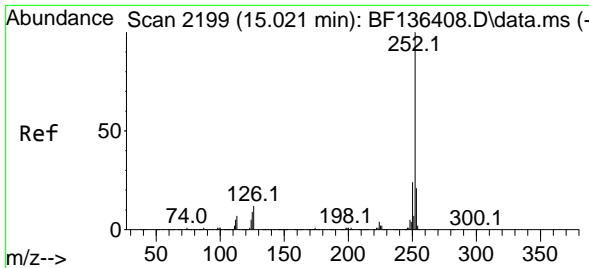
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. 0.000 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13



Tgt Ion: 264 Resp: 162172

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.2	15.9	23.9



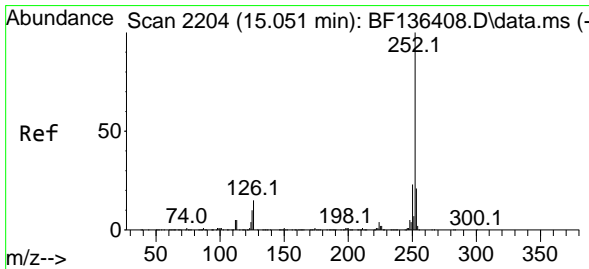
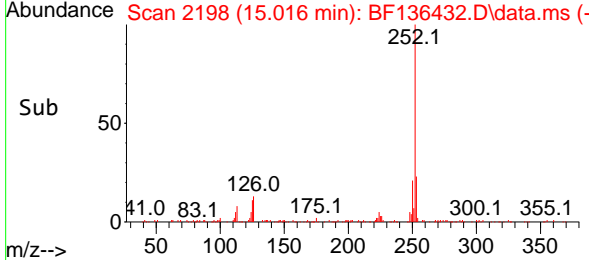
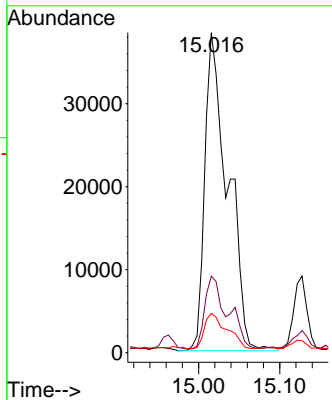
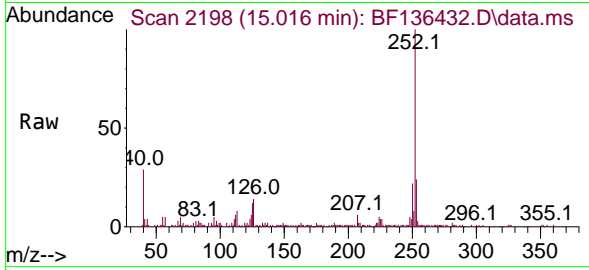


#88
 Benzo(b)fluoranthene
 Concen: 6.815 ng
 RT: 15.016 min Scan# 2198
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:252 Resp: 75564

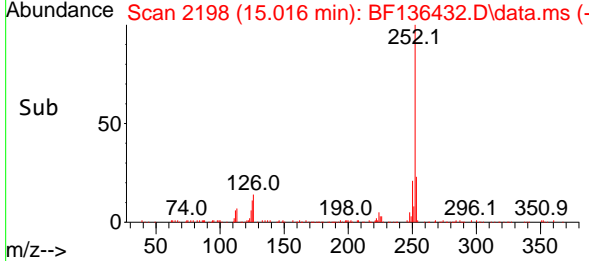
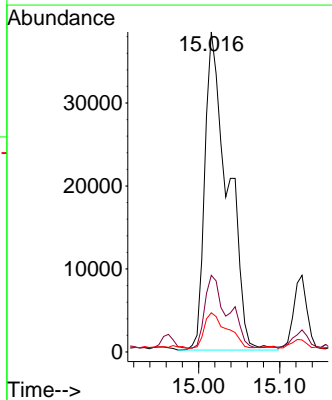
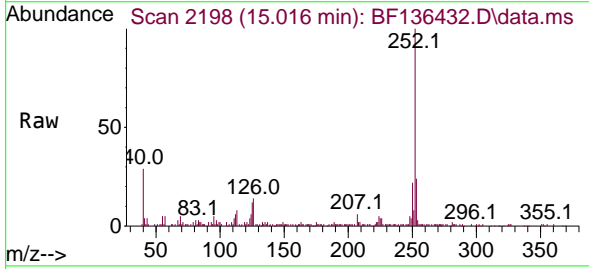
Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.9	25.3
125	12.3	7.4	11.2#

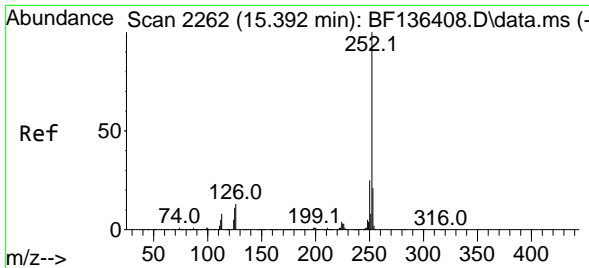


#89
 Benzo(k)fluoranthene
 Concen: 7.231 ng
 RT: 15.016 min Scan# 2198
 Delta R.T. -0.035 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Tgt Ion:252 Resp: 75564

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.9	25.3
125	12.3	7.5	11.3#

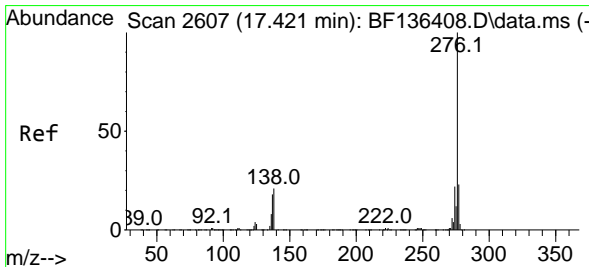
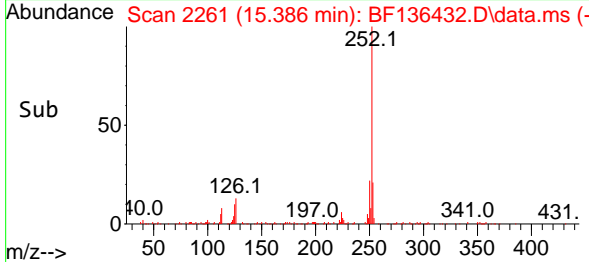
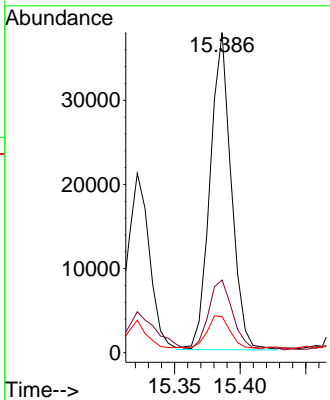
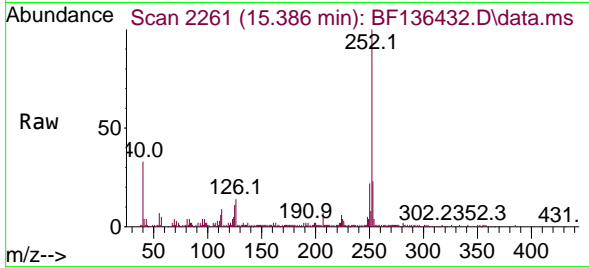




#90
 Benzo(a)pyrene
 Concen: 4.615 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Instrument : BNA_F
 ClientSampleId :

Tgt Ion	Resp	Lower	Upper
252	42261	100	100
253	22.7	17.0	25.4
125	11.2	8.6	13.0



#92
 Benzo(g,h,i)perylene
 Concen: 2.045 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.023 min
 Lab File: BF136432.D
 Acq: 06 Dec 2023 17:13

Tgt Ion	Resp	Lower	Upper
276	19371	100	100
277	23.2	18.7	28.1
138	24.8	16.6	25.0

