

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135108.D
 Acq On : 05 Sep 2023 22:59
 Operator : CG\JU
 Sample : 04257-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-2-083123

Quant Time: Sep 06 01:58:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

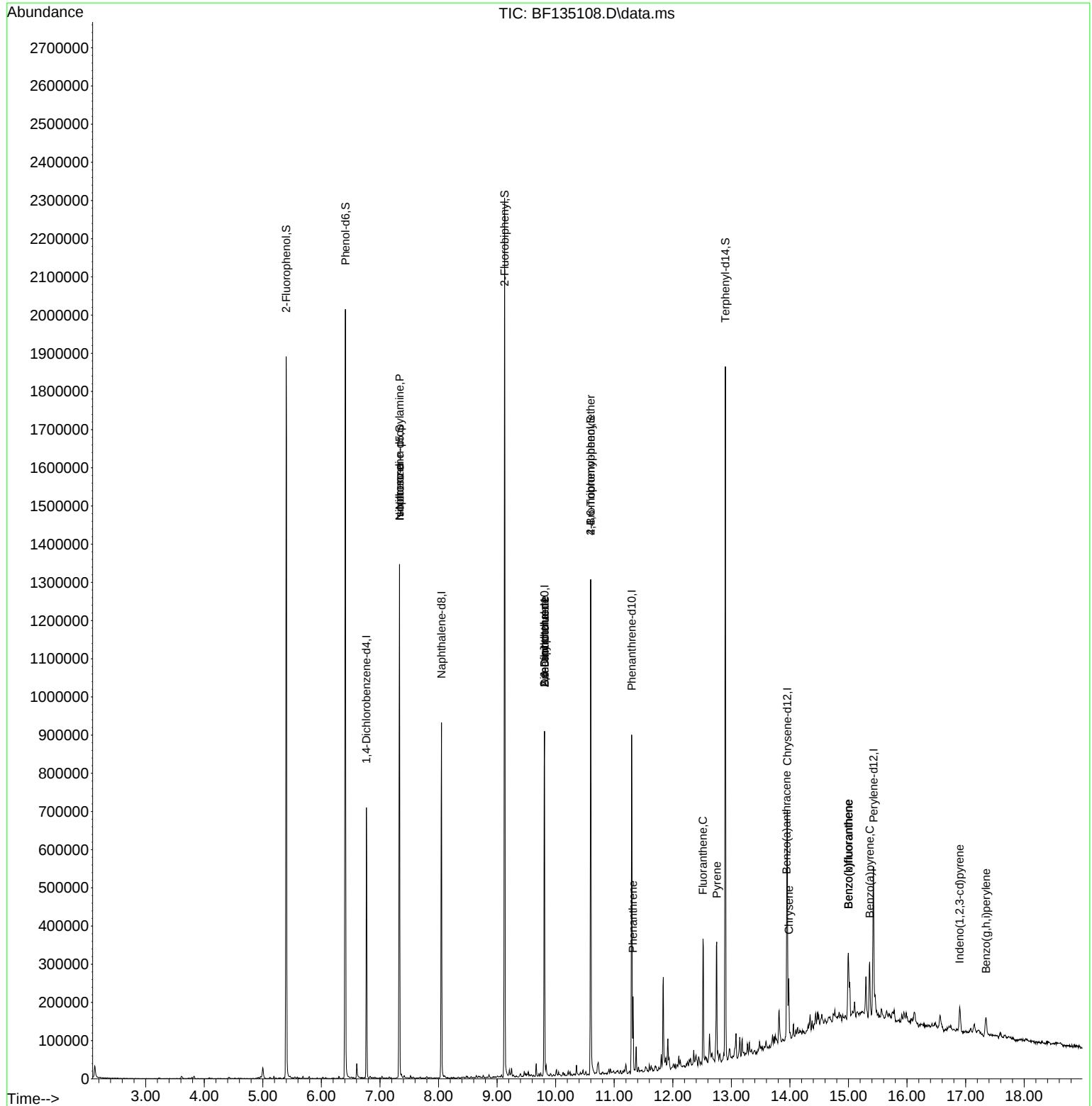
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	97755	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	387761	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	188382	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	314716	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	187302	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	186655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	515981	81.530	ng	0.00
7) Phenol-d6	6.410	99	628454	79.668	ng	0.00
23) Nitrobenzene-d5	7.334	82	382634	55.438	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	143900	72.010	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	675875	58.413	ng	-0.01
79) Terphenyl-d14	12.898	244	583235	50.815	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	52298	11.161	ng	# 78
25) Isophorone	7.334	82	382685	29.244	ng	# 65
50) Dimethylphthalate	9.810	163	38858	2.946	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	25447	8.792	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25447	7.055	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	8955	2.683	ng	# 1
71) Phenanthrene	11.322	178	64394	3.966	ng	97
75) Fluoranthene	12.516	202	132437	8.068	ng	99
78) Pyrene	12.751	202	133752	7.521	ng	98
81) Benzo(a)anthracene	13.945	228	71433	5.591	ng	95
83) Chrysene	13.980	228	58693	4.674	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	43303	3.444	ng	93
88) Benzo(b)fluoranthene	14.998	252	121892	10.495	ng	97
89) Benzo(k)fluoranthene	14.998	252	121892	10.864	ng	96
90) Benzo(a)pyrene	15.363	252	68459	6.345	ng	97
92) Benzo(g,h,i)perylene	17.351	276	42012	3.967	ng	96

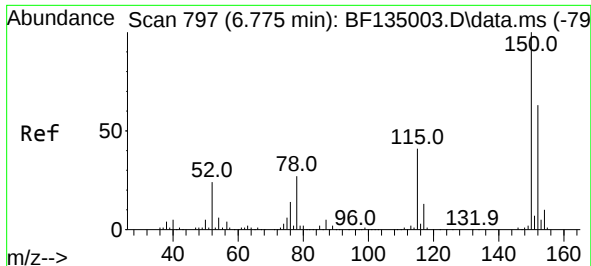
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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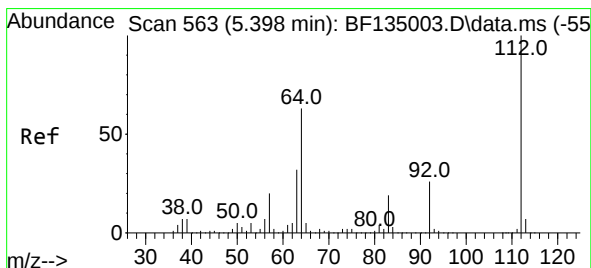
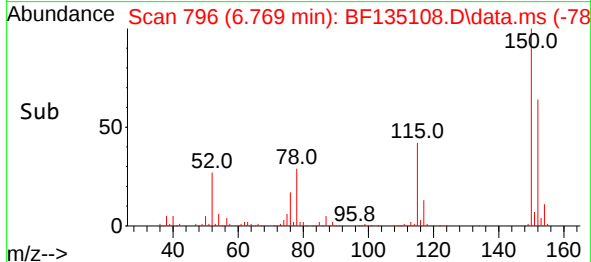
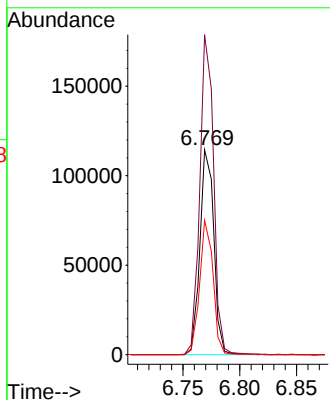
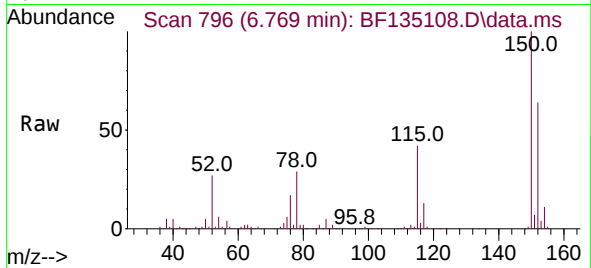




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

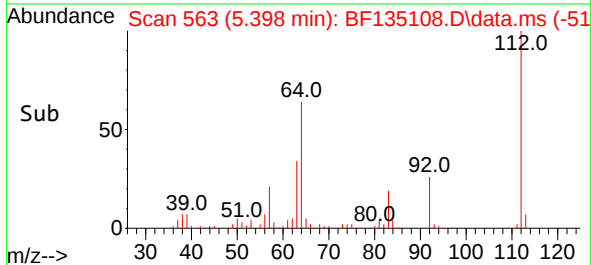
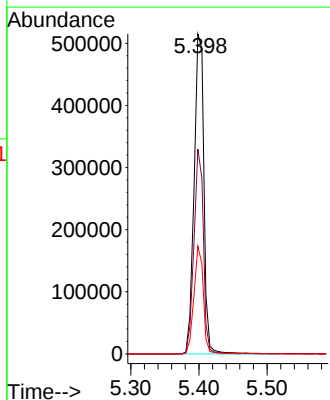
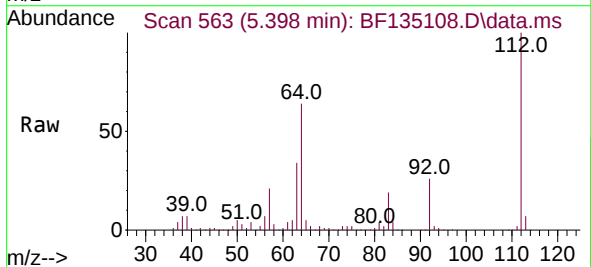
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

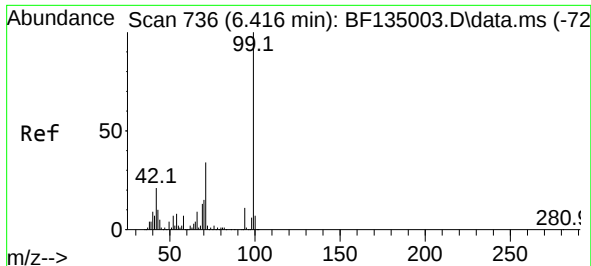
Tgt Ion:152 Resp: 97755
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.4
115 65.5 51.2 76.8



#5
2-Fluorophenol
Concen: 81.530 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:112 Resp: 515981
Ion Ratio Lower Upper
112 100
64 64.0 50.5 75.7
63 33.7 25.9 38.9

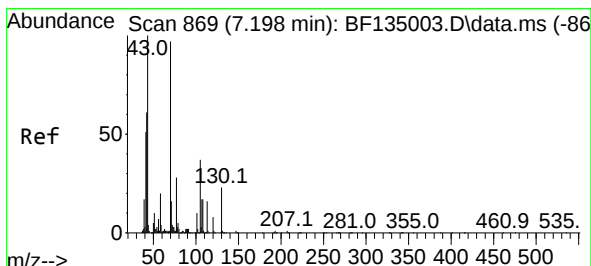
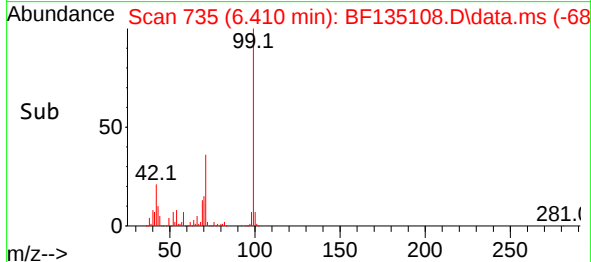
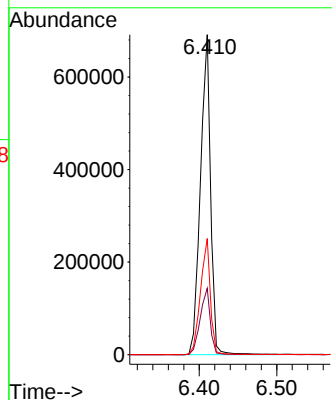
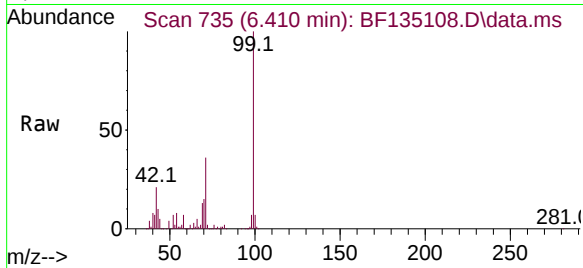




#7
Phenol-d6
Concen: 79.668 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

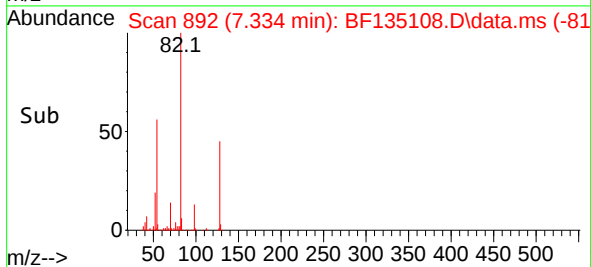
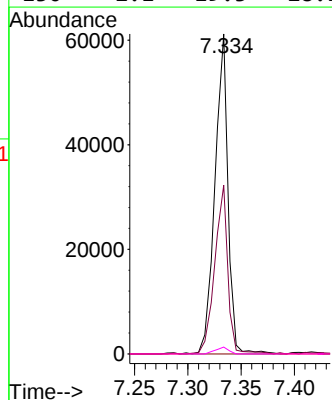
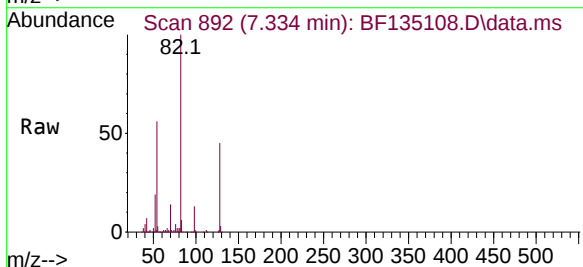
Instrument :
BNA_F
ClientSampleId :
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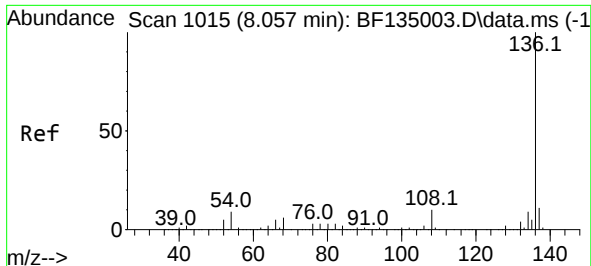
Tgt Ion: 99 Resp: 628454
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 36.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.161 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion: 70 Resp: 52298
Ion Ratio Lower Upper
70 100
42 52.7 50.2 75.4
101 0.0 8.1 12.1#
130 2.1 19.3 28.9#

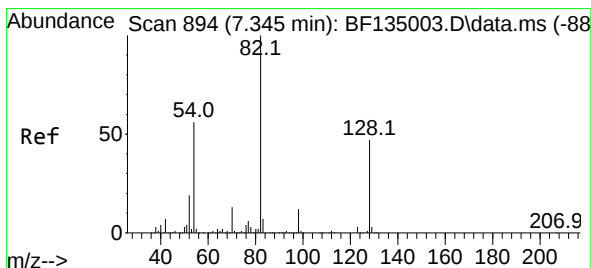
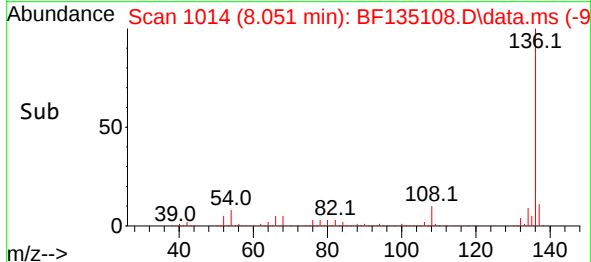
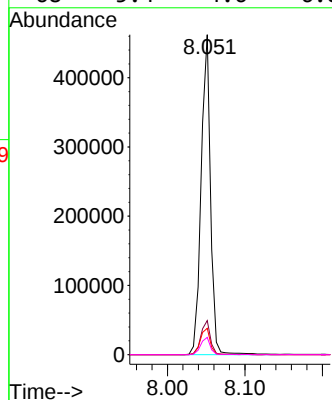
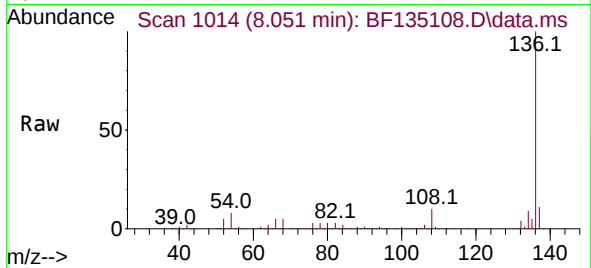




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

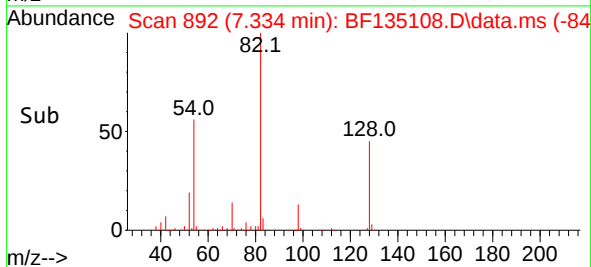
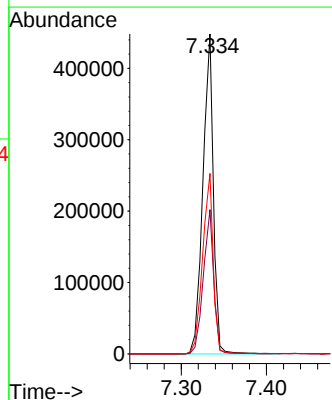
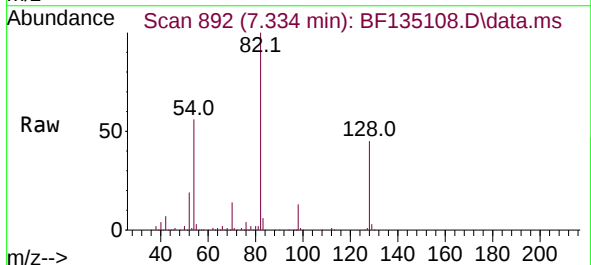
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

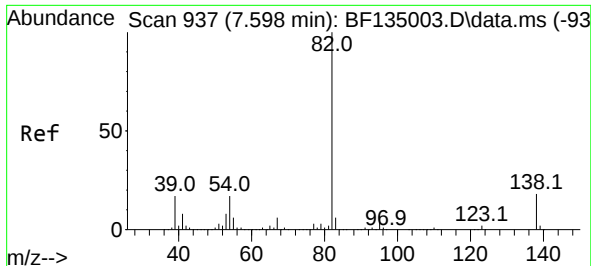
Tgt	Ion:136	Resp:	387761
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.2	7.0	10.4
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 55.438 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion: 82	Resp: 382634
Ion Ratio	Lower Upper
82 100	
128 45.1	37.8 56.8
54 56.4	45.0 67.6

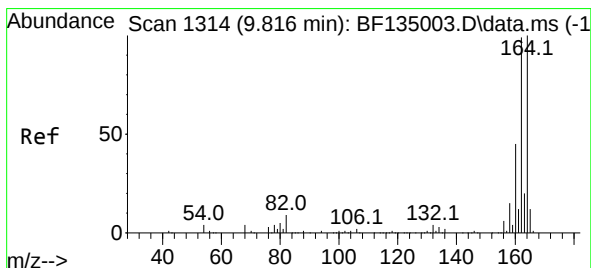
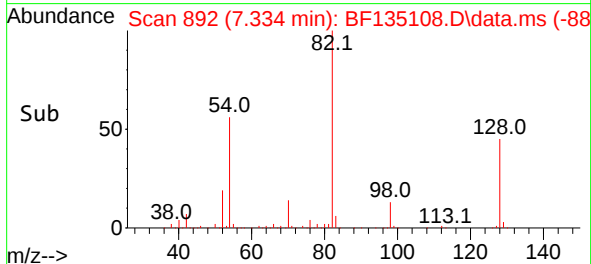
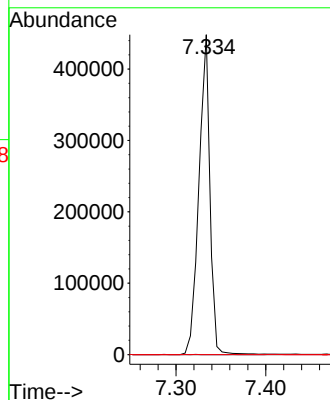
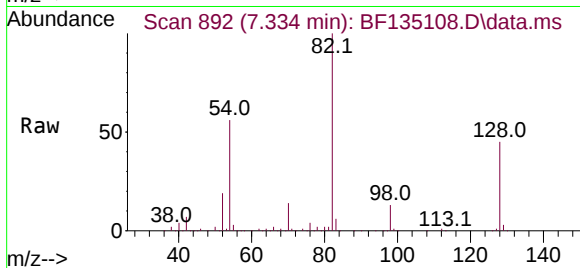




#25
Isophorone
Concen: 29.244 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

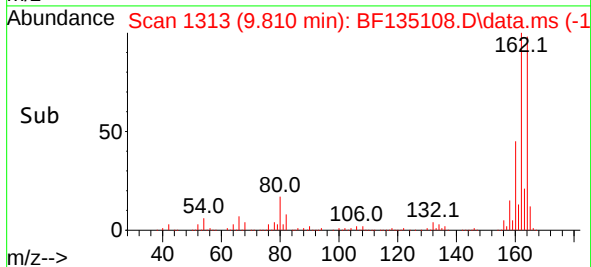
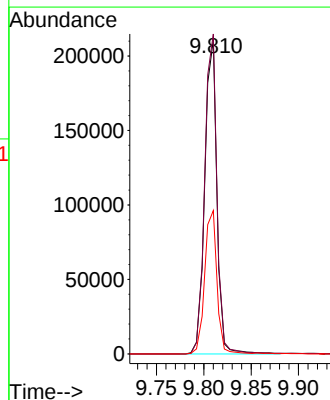
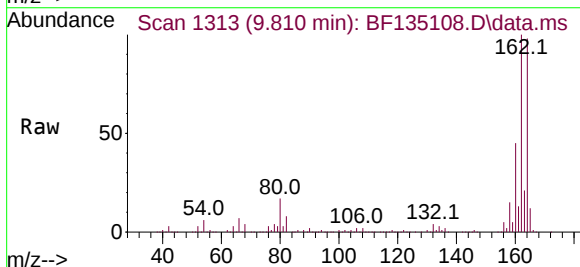
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

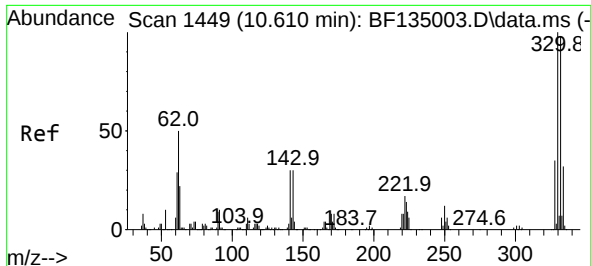
Tgt Ion: 82 Resp: 382685
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion: 164 Resp: 188382
Ion Ratio Lower Upper
164 100
162 102.0 79.5 119.3
160 45.6 36.0 54.0

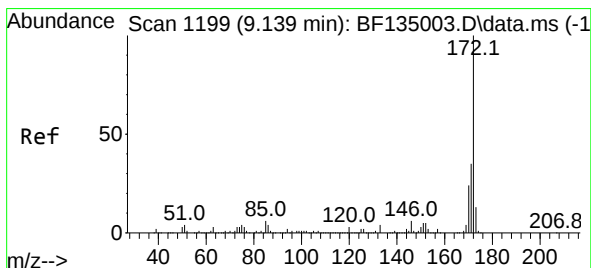
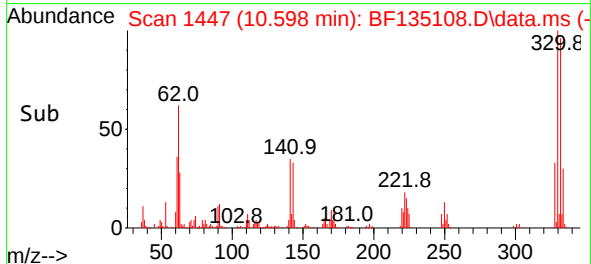
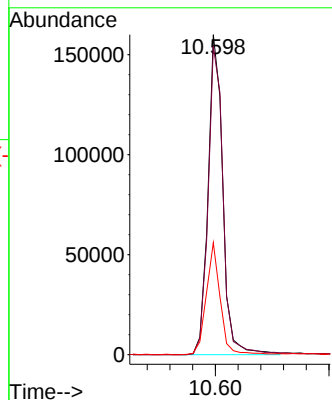
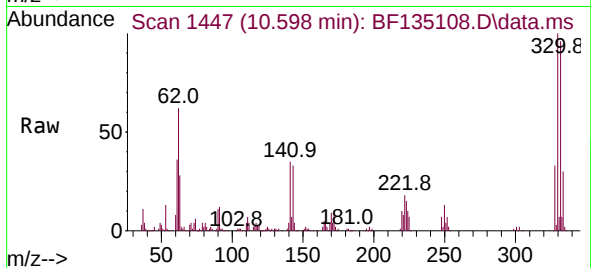




#42
2,4,6-Tribromophenol
Concen: 72.010 ng
RT: 10.598 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

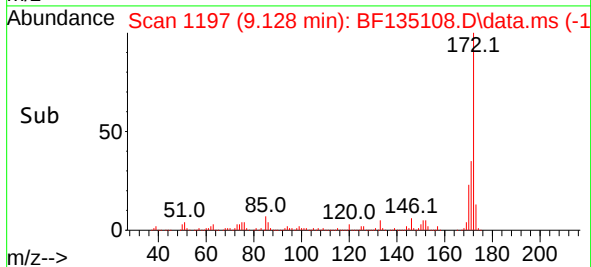
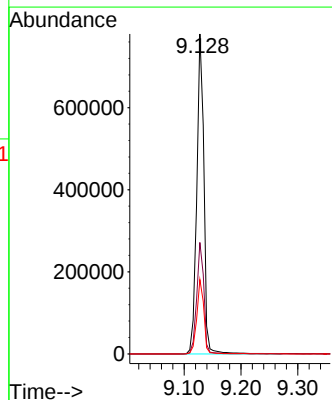
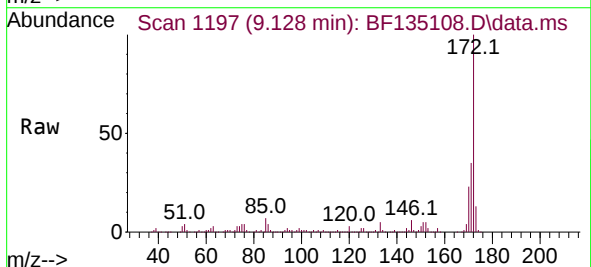
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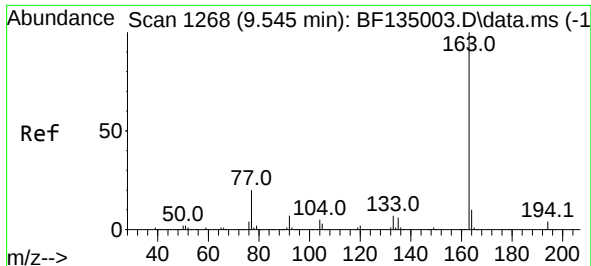
Tgt Ion:330 Resp: 143900
Ion Ratio Lower Upper
330 100
332 99.1 77.6 116.4
141 33.2 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 58.413 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:172 Resp: 675875
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.2 19.0 28.4

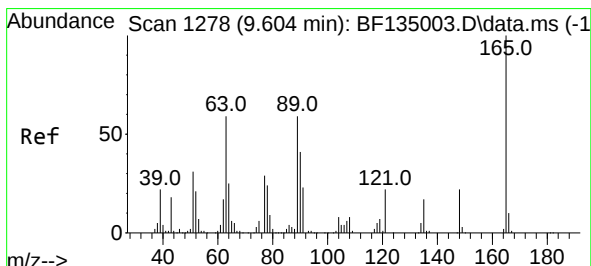
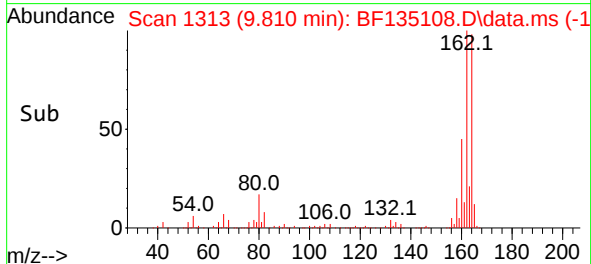
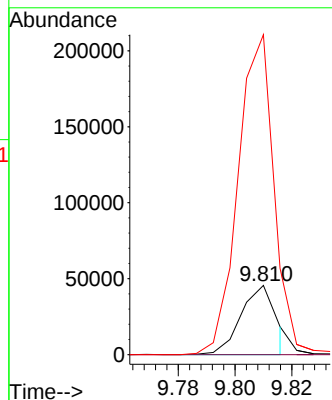
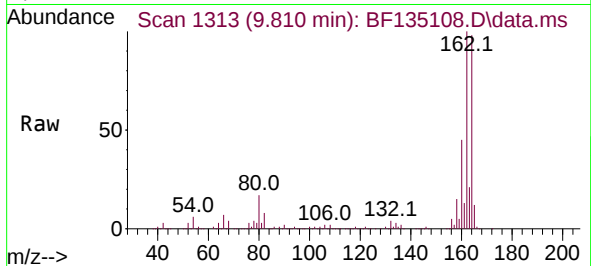




#50
Dimethylphthalate
Concen: 2.946 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

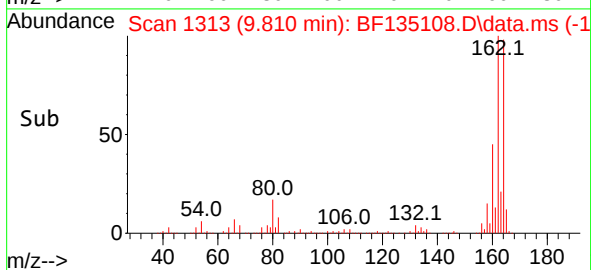
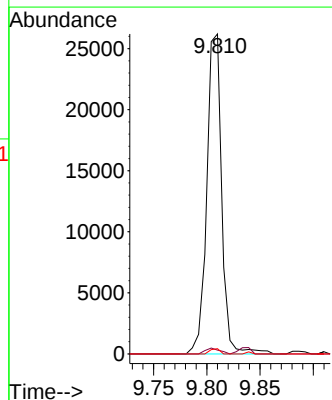
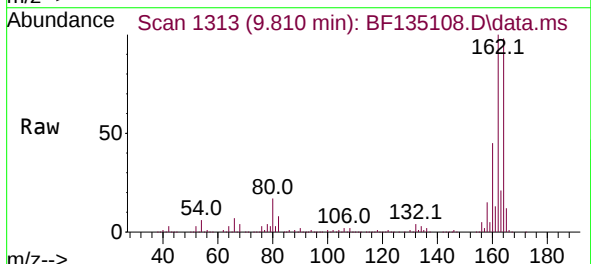
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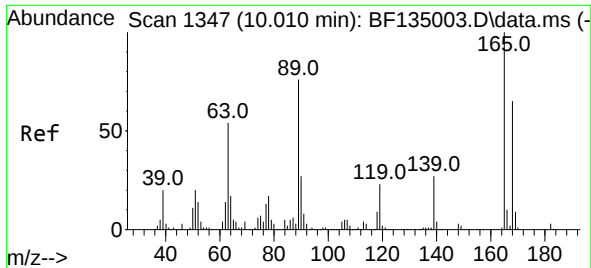
Tgt Ion:163 Resp: 38858
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 462.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.792 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:165 Resp: 25447
Ion Ratio Lower Upper
165 100
63 1.2 50.4 75.6#
89 1.6 47.1 70.7#

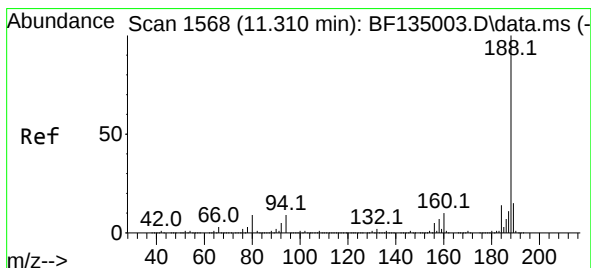
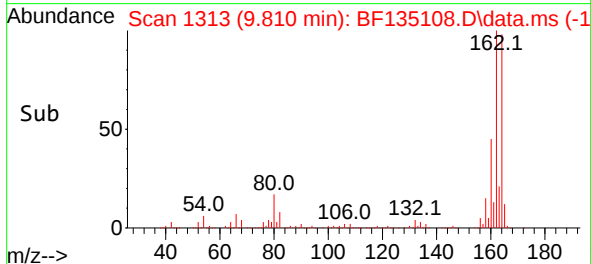
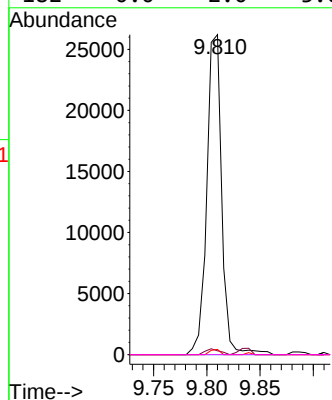
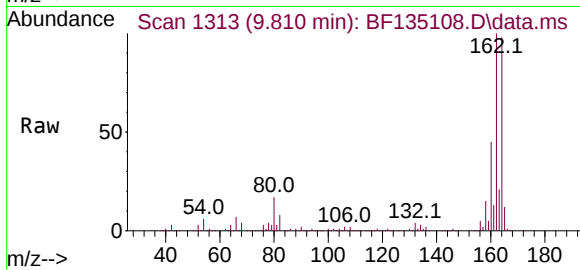




#57
2,4-Dinitrotoluene
Concen: 7.055 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

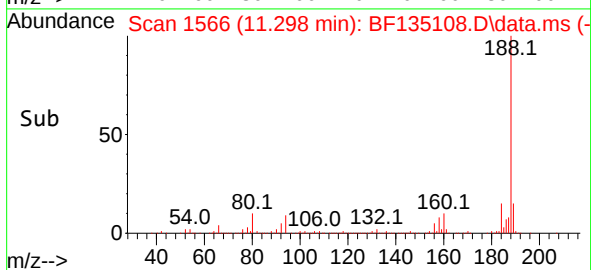
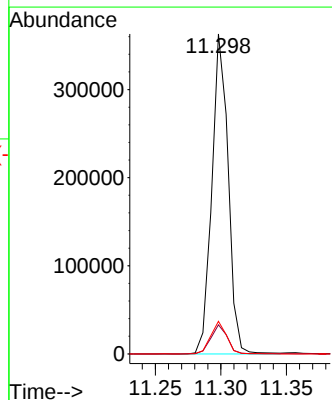
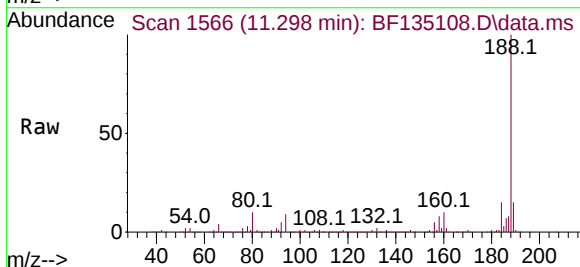
Instrument :
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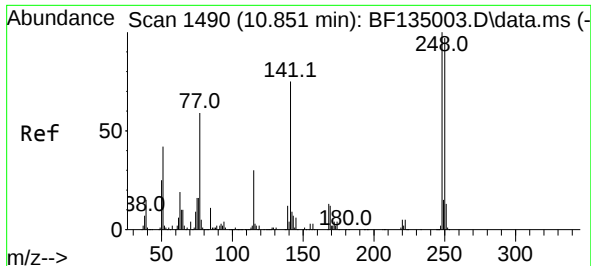
Tgt Ion:165 Resp: 25447
Ion Ratio Lower Upper
165 100
63 1.2 43.2 64.8#
89 1.6 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:188 Resp: 314716
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.2 7.4 11.2

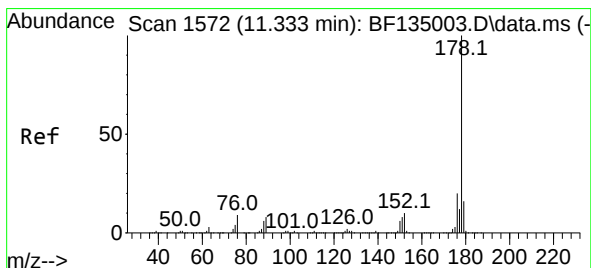
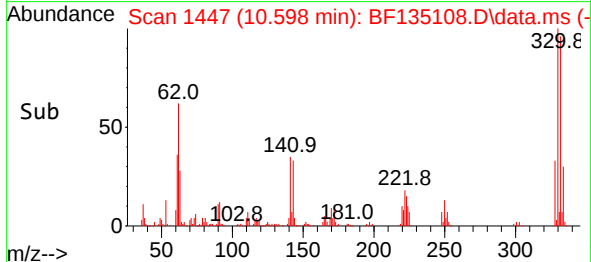
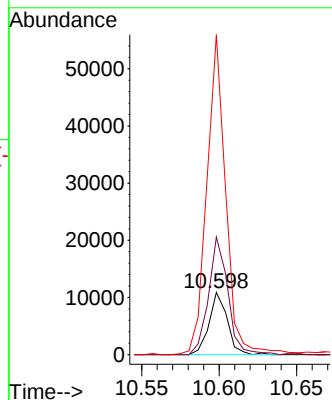
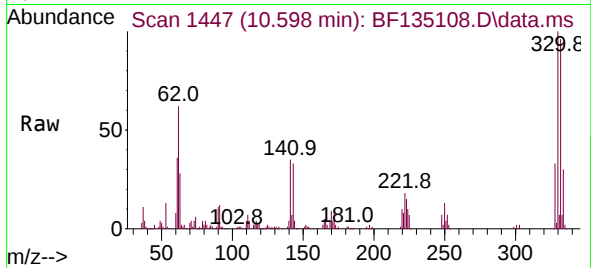




#67
4-Bromophenyl-phenylether
Concen: 2.683 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

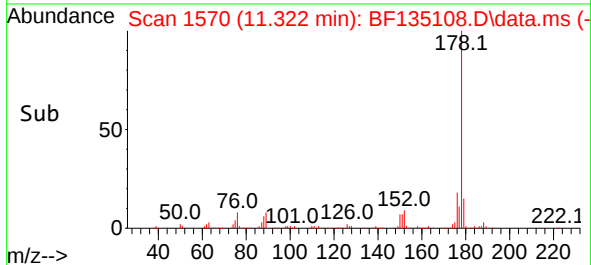
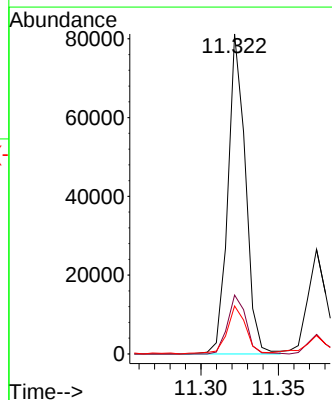
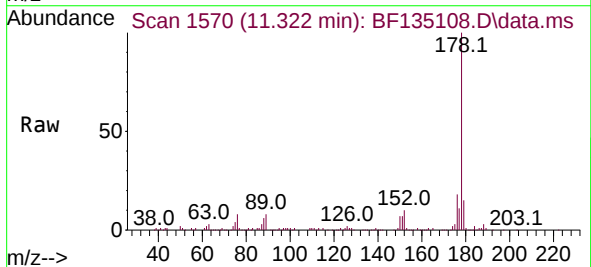
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

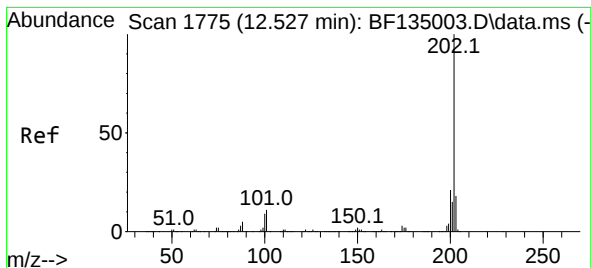
Tgt Ion:248 Resp: 8955
Ion Ratio Lower Upper
248 100
250 189.0 77.9 116.9#
141 514.7 59.8 89.8#



#71
Phenanthrene
Concen: 3.966 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:178 Resp: 64394
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.0 12.5 18.7





#75

Fluoranthene

Concen: 8.068 ng

RT: 12.516 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

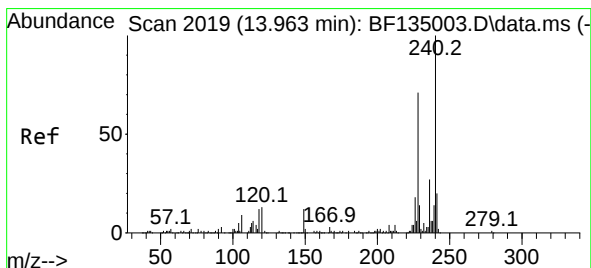
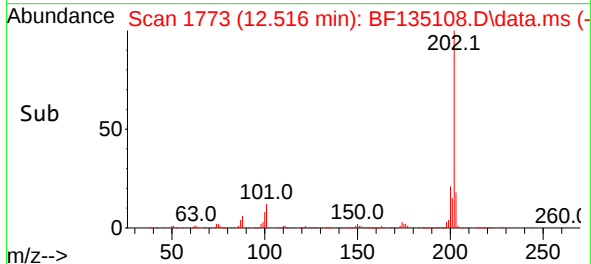
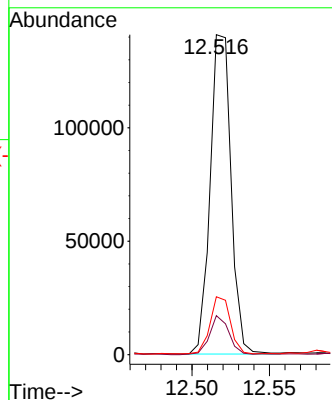
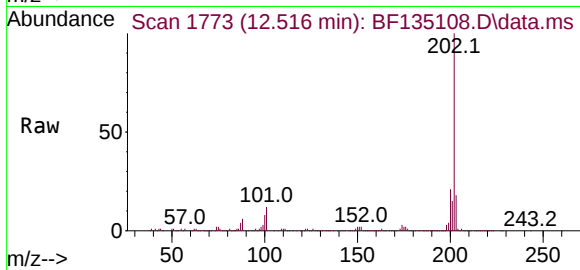
Tgt Ion:202 Resp: 132437

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.5

203 18.1 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

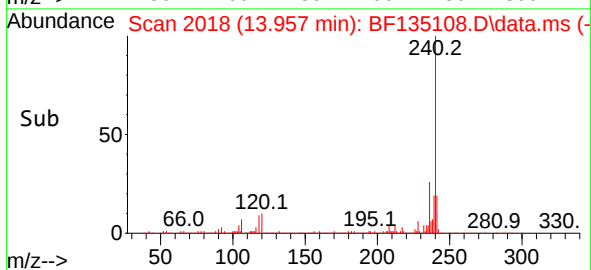
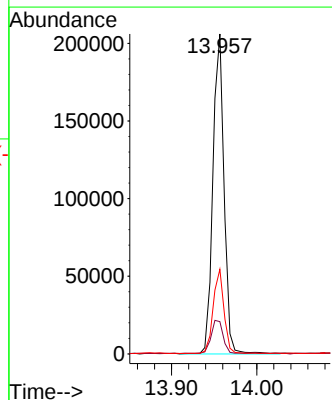
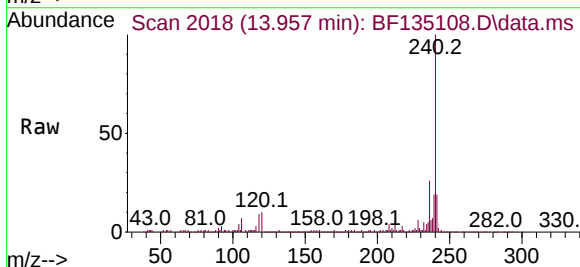
Tgt Ion:240 Resp: 187302

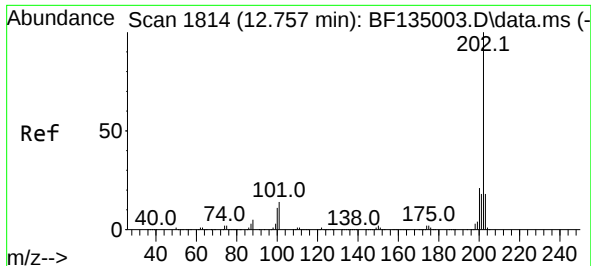
Ion Ratio Lower Upper

240 100

120 10.1 10.2 15.2#

236 26.4 21.3 31.9

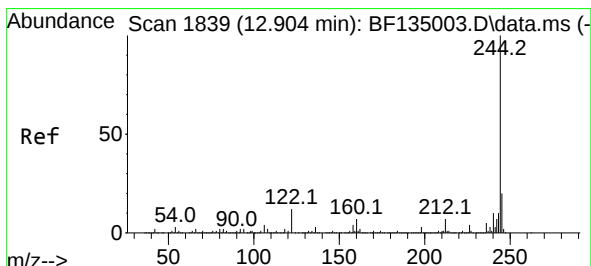
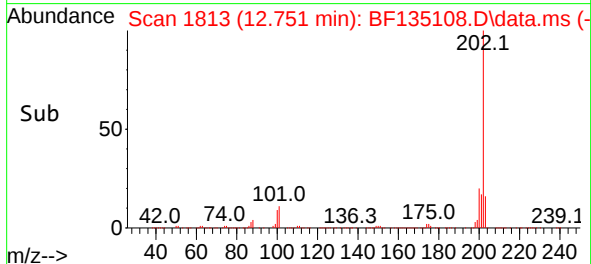
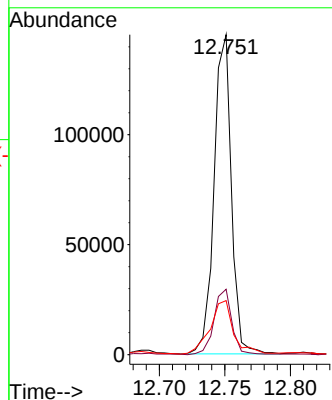
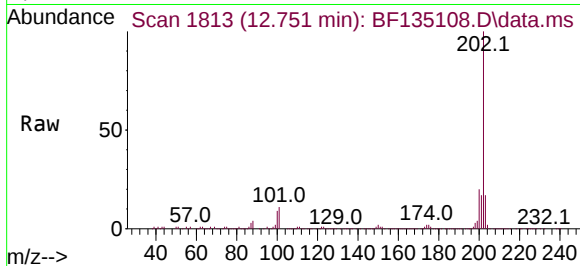




#78
Pyrene
Concen: 7.521 ng
RT: 12.751 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

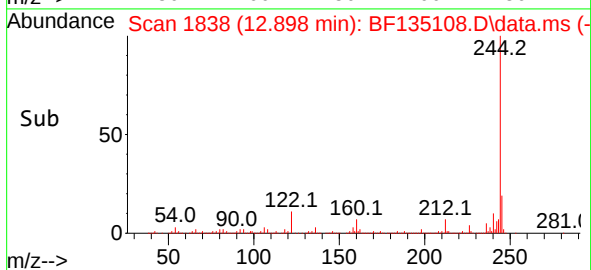
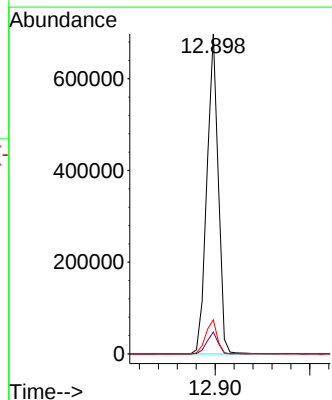
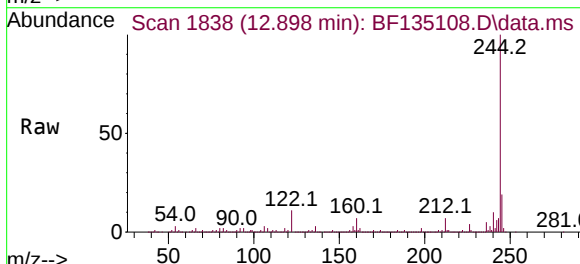
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

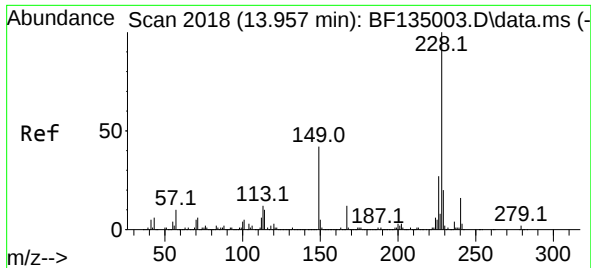
Tgt Ion:202 Resp: 133752
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 16.9 14.2 21.2



#79
Terphenyl-d14
Concen: 50.815 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:244 Resp: 583235
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.6 9.8 14.6

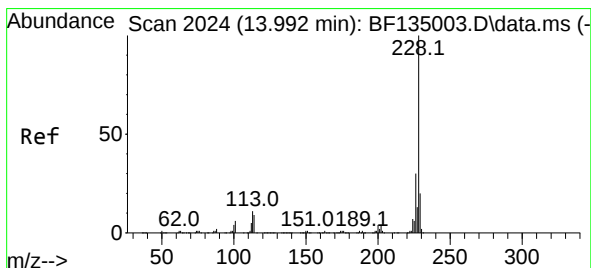
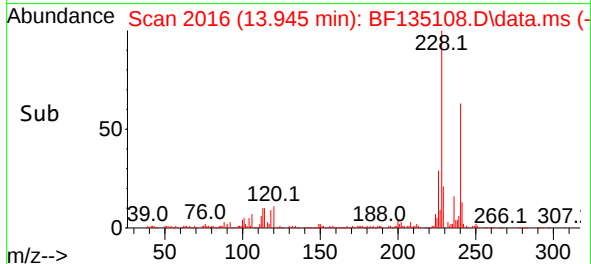
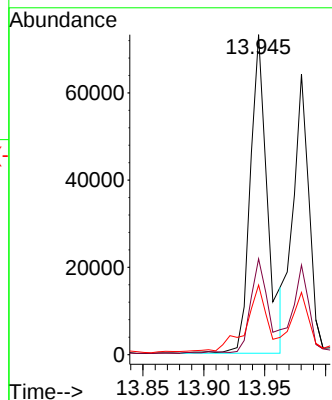
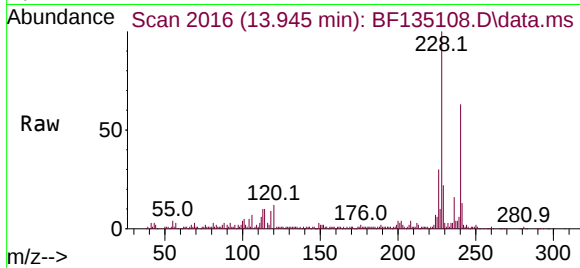




#81
Benzo(a)anthracene
Concen: 5.591 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

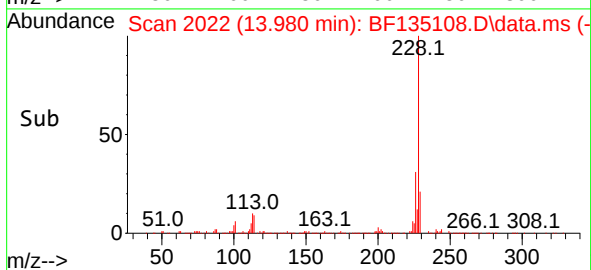
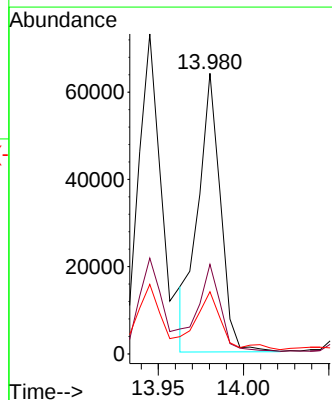
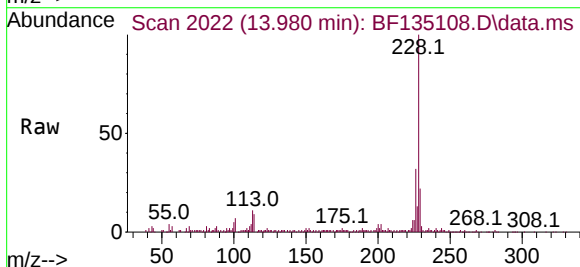
Instrument :
BNA_F
ClientSampleId :
CL-2-083123

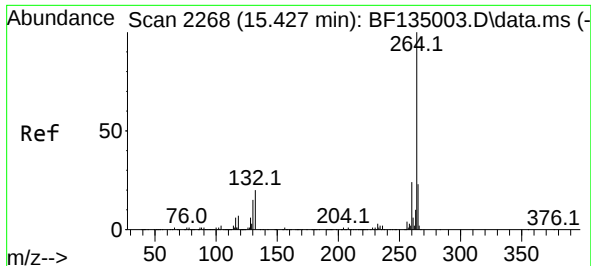
Tgt Ion:228 Resp: 71433
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.7 15.6 23.4



#83
Chrysene
Concen: 4.674 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:228 Resp: 58693
Ion Ratio Lower Upper
228 100
226 31.9 24.2 36.4
229 22.2 15.9 23.9



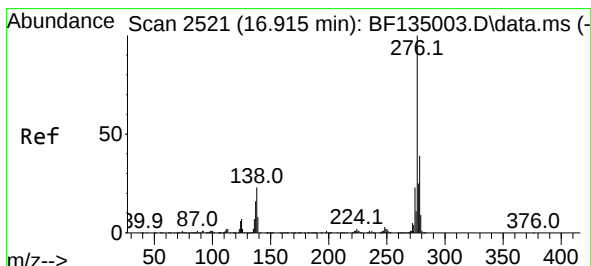
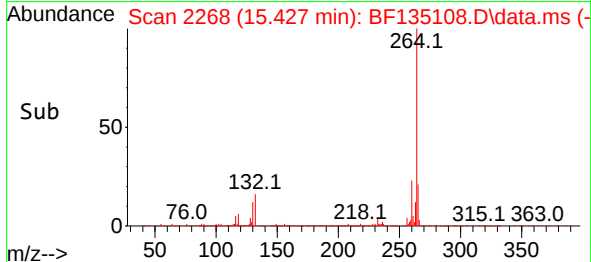
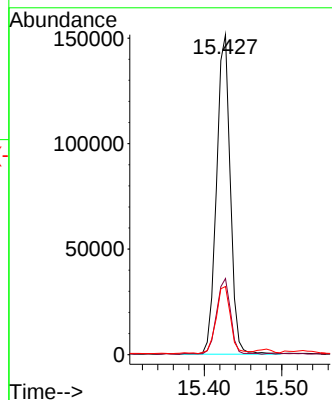
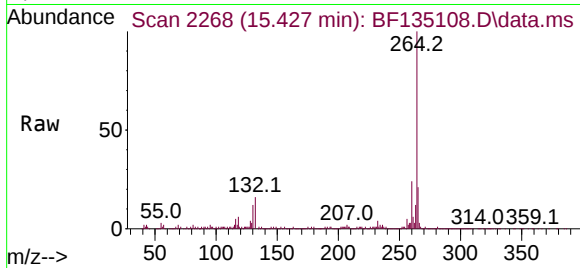


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :
BNA_F
ClientSampleId :
CL-2-083123

Tgt Ion:264 Resp: 186655

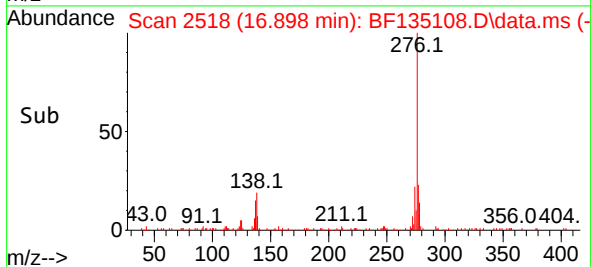
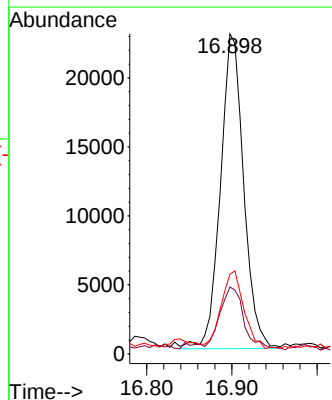
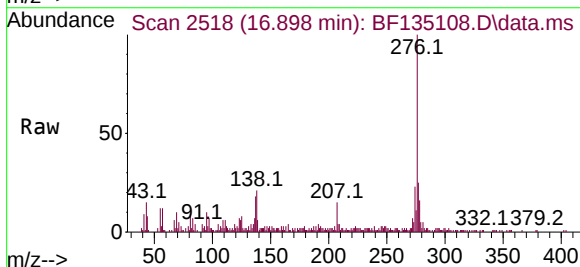
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.3	18.2	27.2

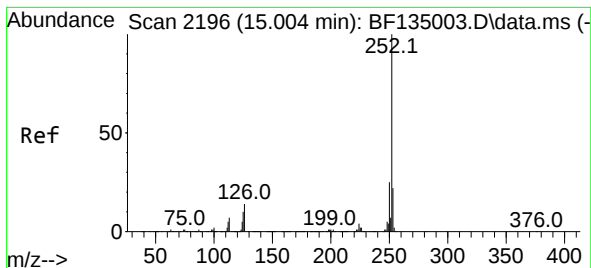


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.444 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.018 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:276 Resp: 43303

Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.2	30.2
277	23.1	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 10.495 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

Instrument :

BNA_F

ClientSampleId :

CL-2-083123

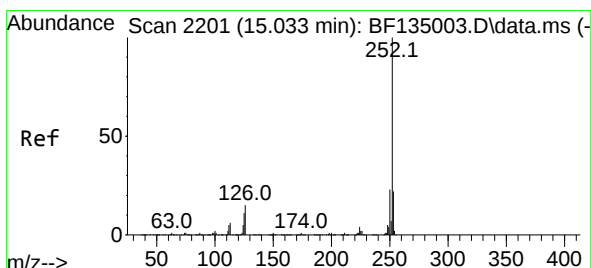
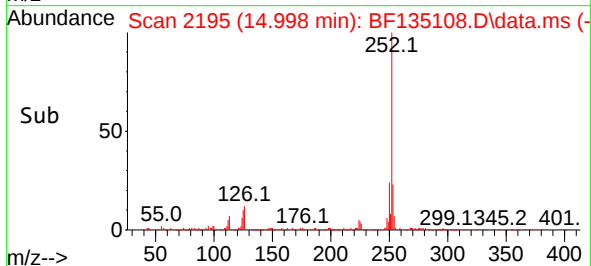
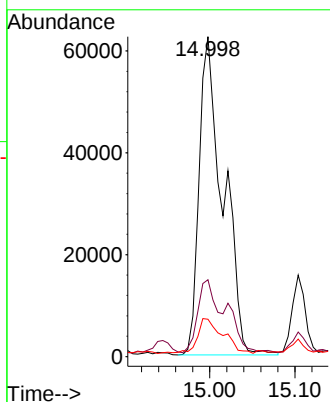
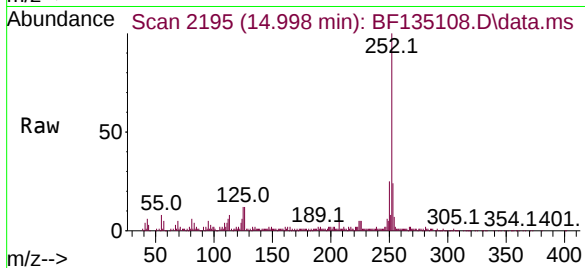
Tgt Ion:252 Resp: 121892

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 11.7 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 10.864 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135108.D

Acq: 05 Sep 2023 22:59

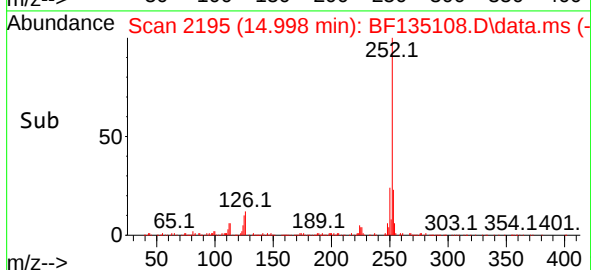
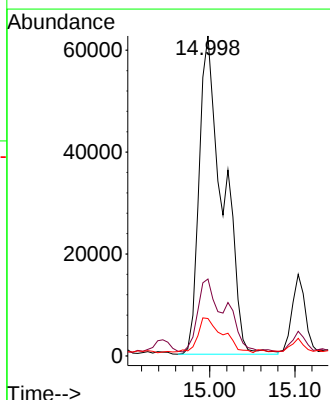
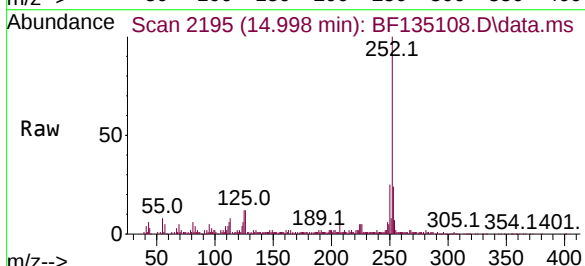
Tgt Ion:252 Resp: 121892

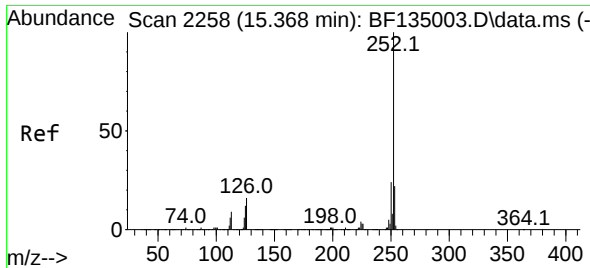
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 11.7 8.5 12.7

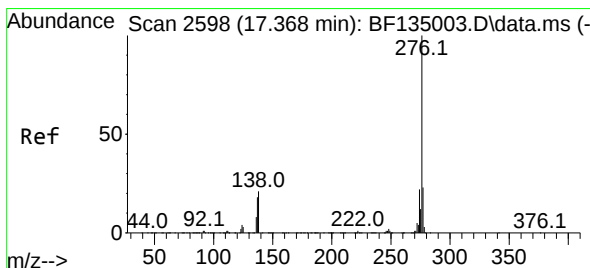
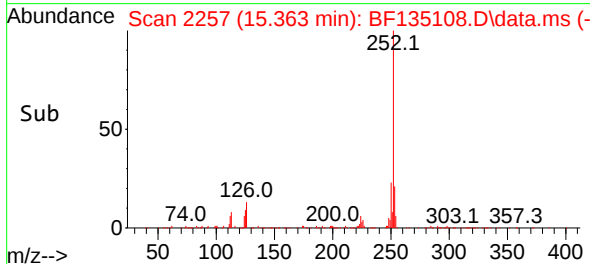
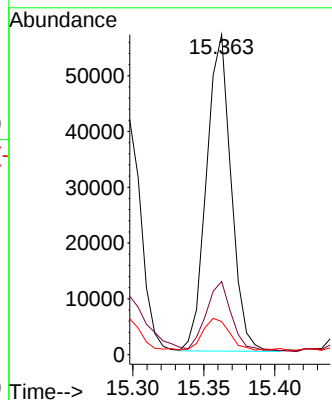
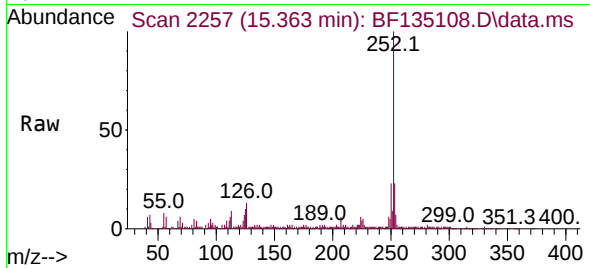




#90
Benzo(a)pyrene
Concen: 6.345 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Instrument :
BNA_F
ClientSampleId :
CL-2-083123

Tgt Ion:252 Resp: 68459
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.3 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 3.967 ng
RT: 17.351 min Scan# 2595
Delta R.T. -0.018 min
Lab File: BF135108.D
Acq: 05 Sep 2023 22:59

Tgt Ion:276 Resp: 42012
Ion Ratio Lower Upper
276 100
277 25.6 18.5 27.7
138 22.4 17.1 25.7

