

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135120.D
 Acq On : 06 Sep 2023 05:30
 Operator : CG\JU
 Sample : 04202-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Quant Time: Sep 06 05:59:40 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)

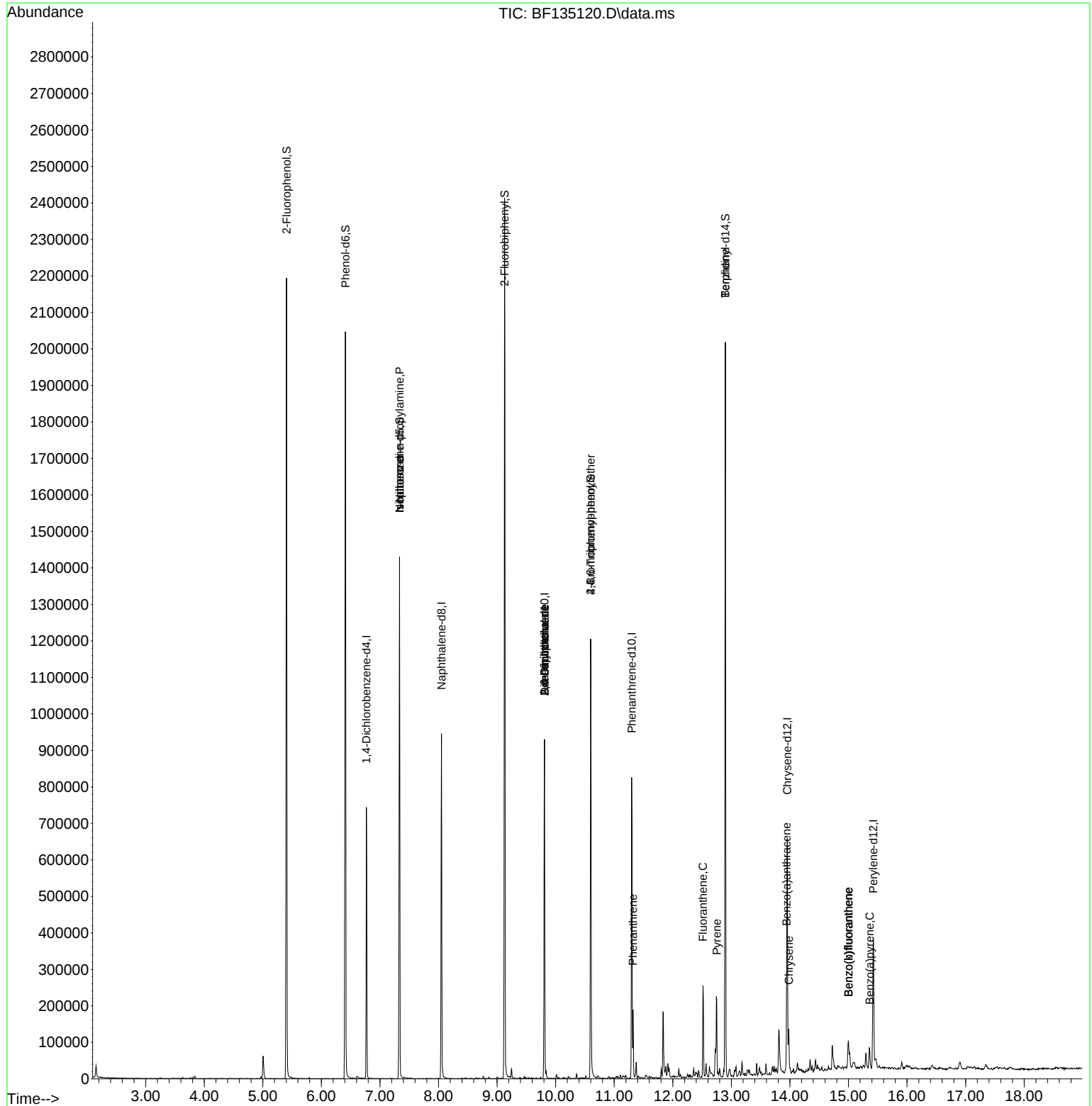
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	101777	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	405722	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	191852	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	296364	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	197209	20.000	ng	0.00
86) Perylene-d12	15.421	264	173019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	557885	84.667	ng	0.00
7) Phenol-d6	6.410	99	677080	82.441	ng	0.00
23) Nitrobenzene-d5	7.334	82	424329	58.757	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	146067	71.772	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	751509	63.775	ng	-0.01
79) Terphenyl-d14	12.898	244	629268	52.072	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	57528	11.792	ng	# 77
25) Isophorone	7.334	82	424323	30.990	ng	# 65
50) Dimethylphthalate	9.810	163	38049	2.832	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	24234	8.221	ng	# 21
57) 2,4-Dinitrotoluene	9.810	165	24234	6.597	ng	# 19
67) 4-Bromophenyl-phenylether	10.598	248	8722	2.775	ng	# 1
71) Phenanthrene	11.322	178	62719	4.102	ng	99
75) Fluoranthene	12.516	202	100027	6.471	ng	97
77) Benzidine	12.898	184	7876	2.215	ng	# 96
78) Pyrene	12.751	202	92473	4.939	ng	99
81) Benzo(a)anthracene	13.945	228	53137	3.950	ng	97
83) Chrysene	13.980	228	41422	3.133	ng	97
88) Benzo(b)fluoranthene	14.998	252	53306	4.952	ng	96
89) Benzo(k)fluoranthene	14.998	252	53306	5.125	ng	95
90) Benzo(a)pyrene	15.363	252	27543	2.754	ng	98

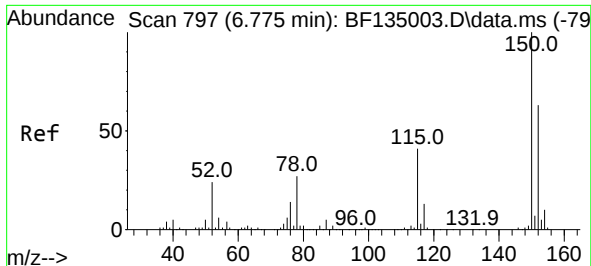
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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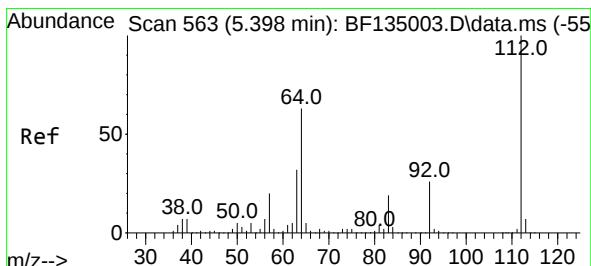
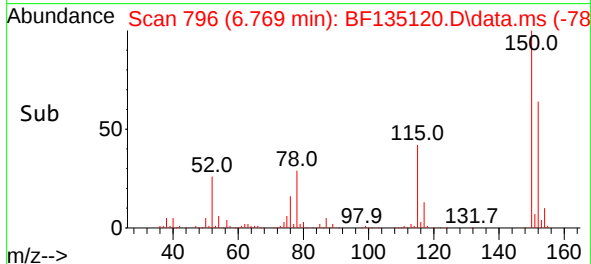
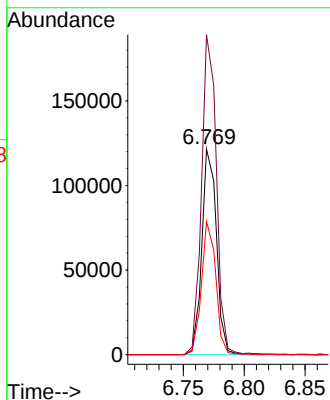
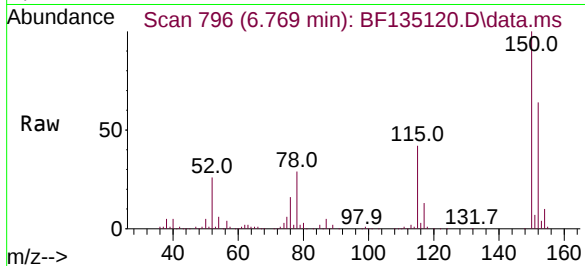




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

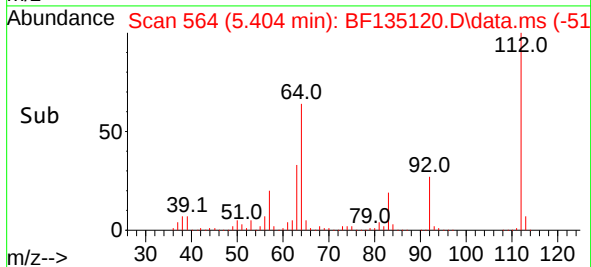
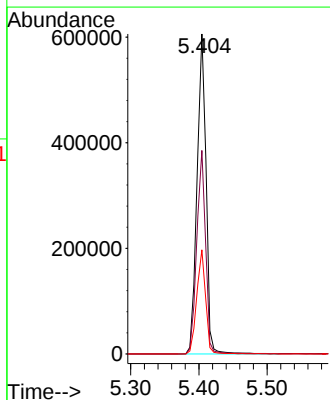
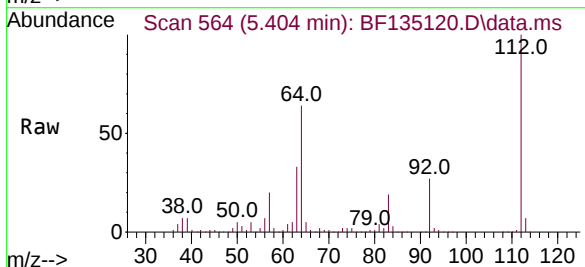
Instrument :
BNA_F
ClientSampleId :
C-1

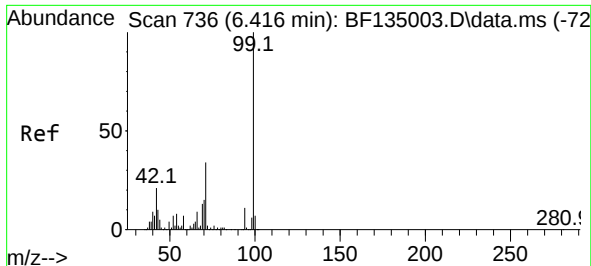
Tgt Ion:152 Resp: 101777
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.4
115 64.8 51.2 76.8



#5
2-Fluorophenol
Concen: 84.667 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion:112 Resp: 557885
Ion Ratio Lower Upper
112 100
64 63.6 50.5 75.7
63 32.5 25.9 38.9

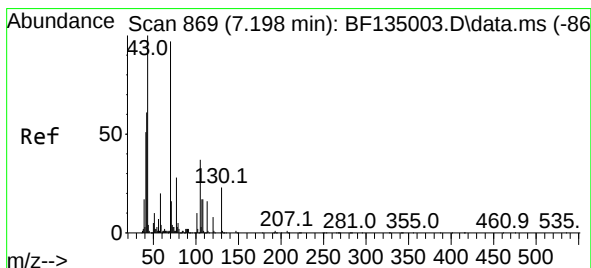
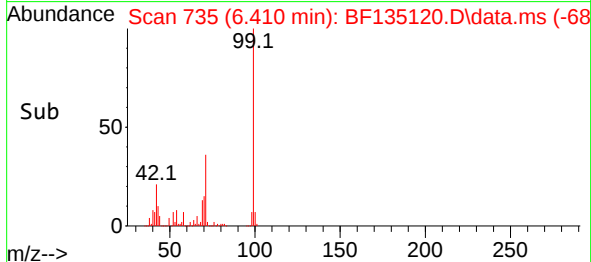
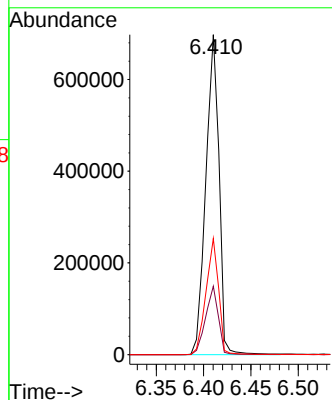
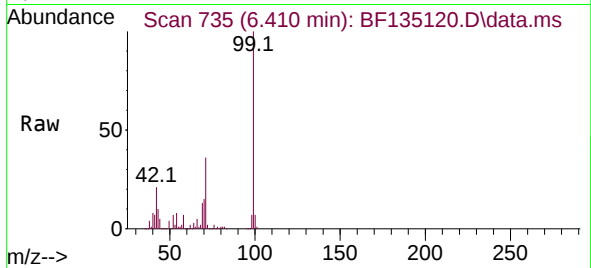




#7
Phenol-d6
Concen: 82.441 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

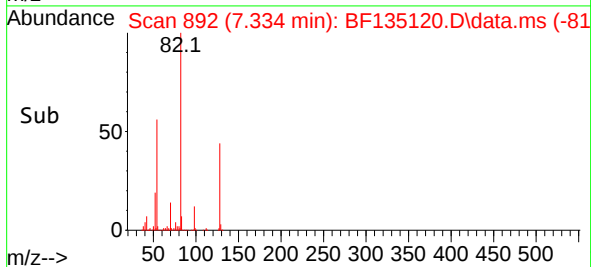
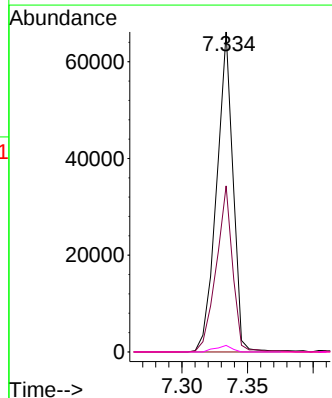
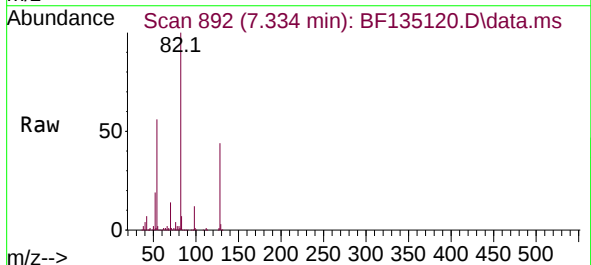
Instrument :
BNA_F
ClientSampleId :
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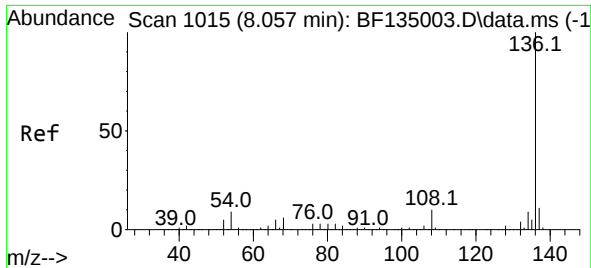
Tgt Ion: 99 Resp: 677080
Ion Ratio Lower Upper
99 100
42 21.4 16.6 25.0
71 36.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.792 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion: 70 Resp: 57528
Ion Ratio Lower Upper
70 100
42 51.9 50.2 75.4
101 0.0 8.1 12.1#
130 2.0 19.3 28.9#

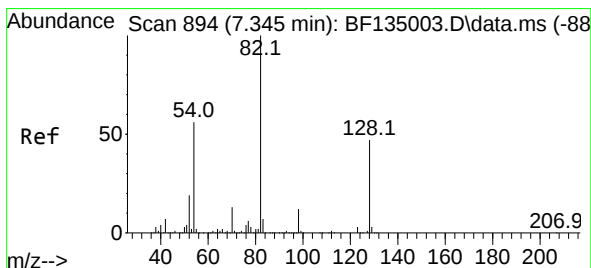
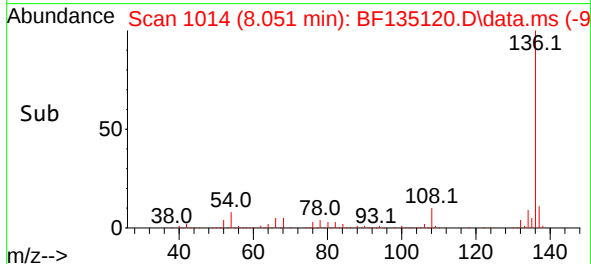
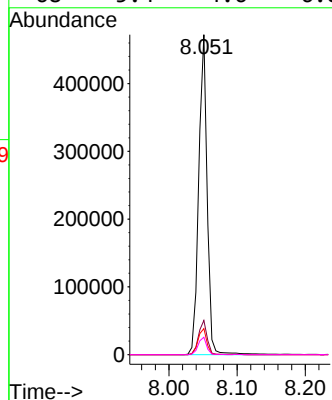
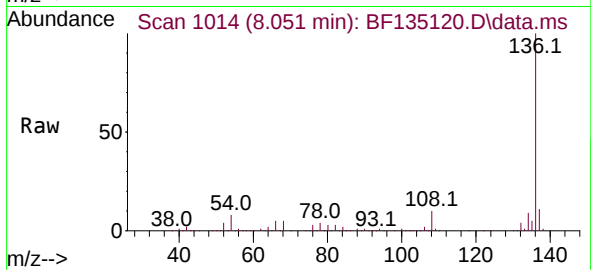




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

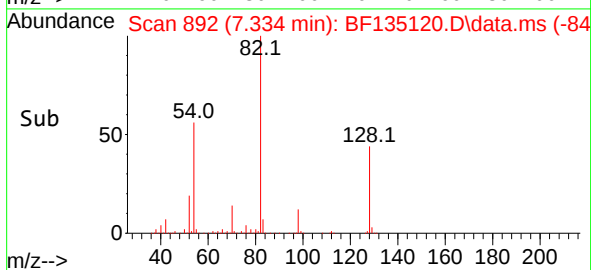
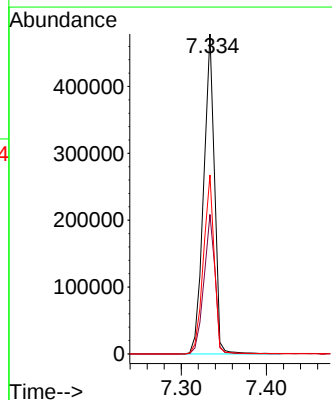
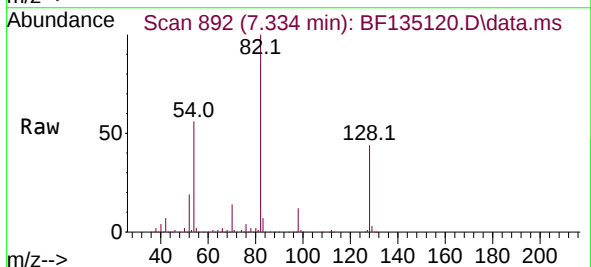
Instrument :
BNA_F
ClientSampleId :
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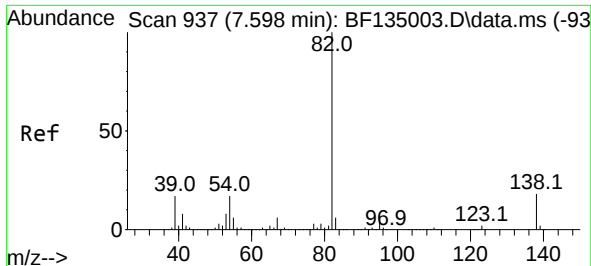
Tgt Ion:136 Resp: 405722
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.1 7.0 10.4
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 58.757 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion: 82 Resp: 424329
Ion Ratio Lower Upper
82 100
128 43.6 37.8 56.8
54 55.9 45.0 67.6

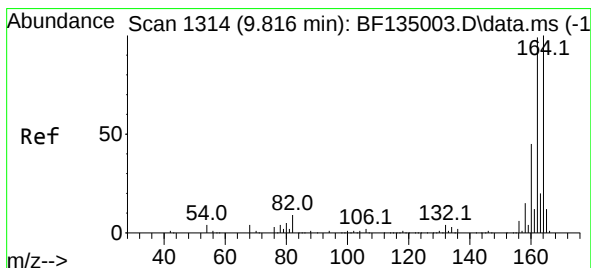
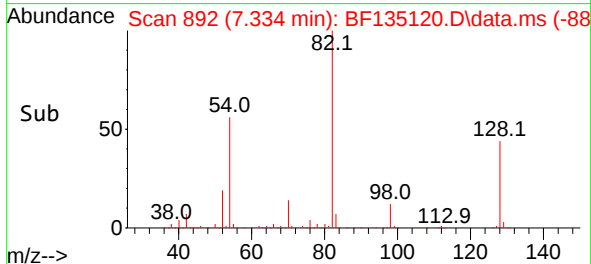
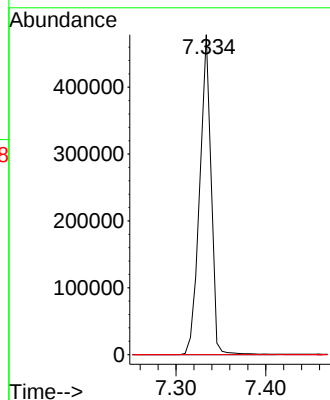
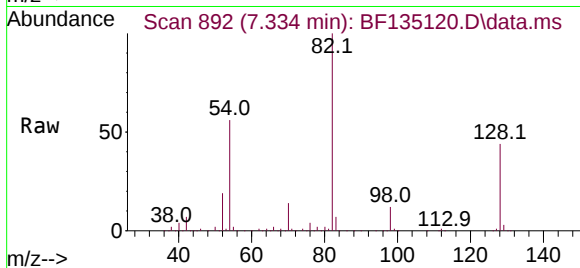




#25
Isophorone
Concen: 30.990 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

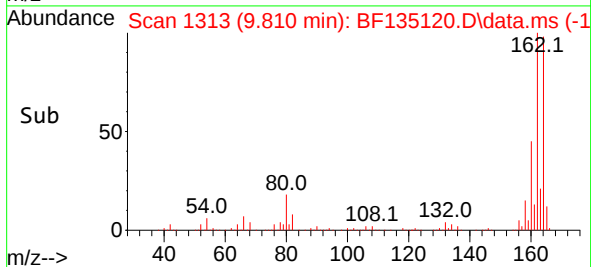
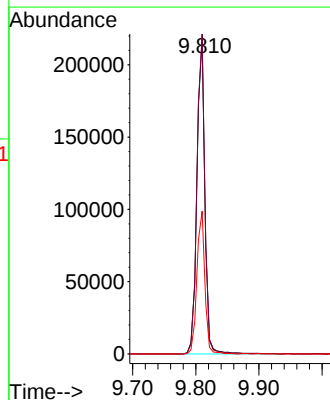
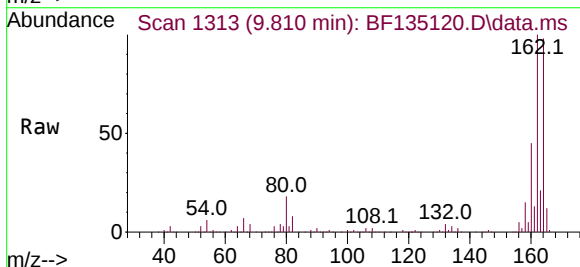
Instrument :
BNA_F
ClientSampleId :
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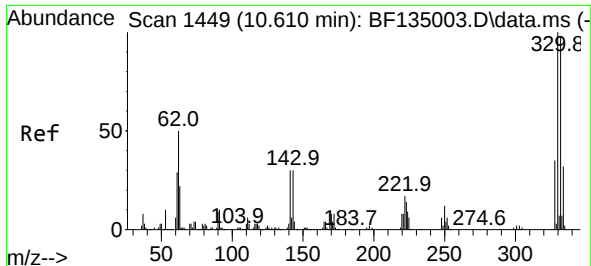
Tgt Ion: 82 Resp: 424323
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion: 164 Resp: 191852
Ion Ratio Lower Upper
164 100
162 101.8 79.5 119.3
160 45.3 36.0 54.0

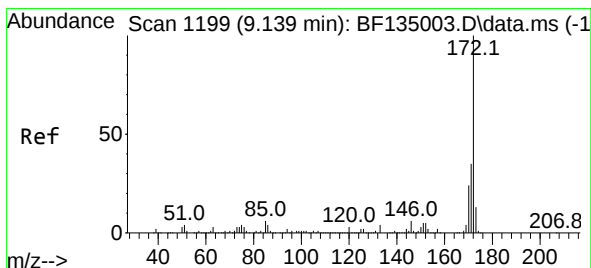
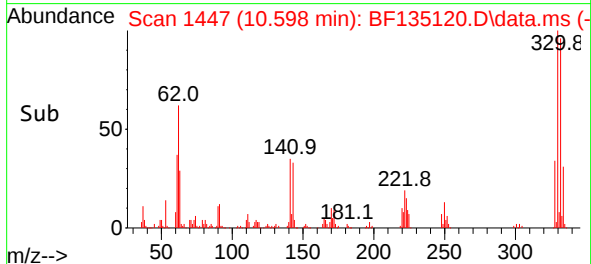
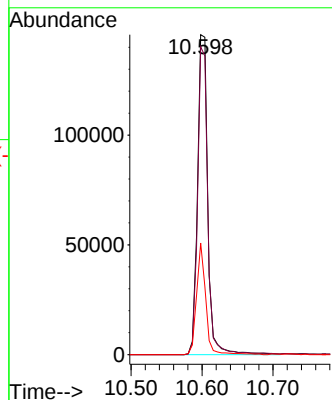
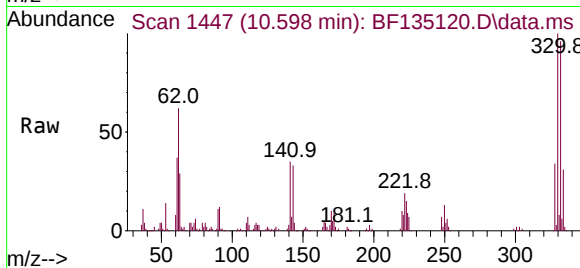




#42
 2,4,6-Tribromophenol
 Concen: 71.772 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF135120.D
 Acq: 06 Sep 2023 05:30

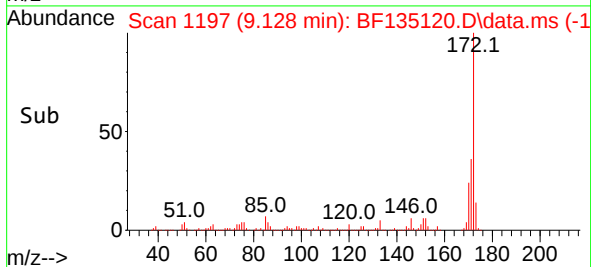
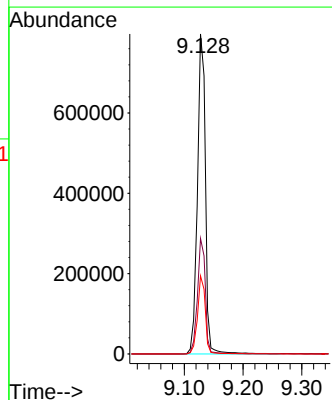
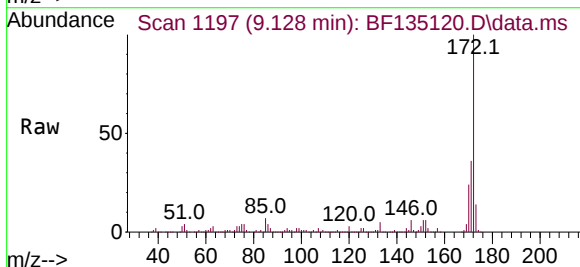
Instrument :
 BNA_F
 ClientSampleId :
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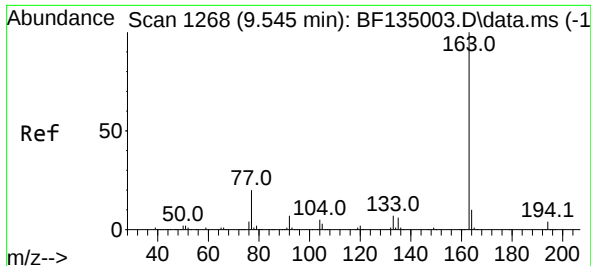
Tgt Ion: 330 Resp: 146067
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.6 116.4
 141 30.9 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 63.775 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135120.D
 Acq: 06 Sep 2023 05:30

Tgt Ion: 172 Resp: 751509
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.2 42.2
 170 24.4 19.0 28.4

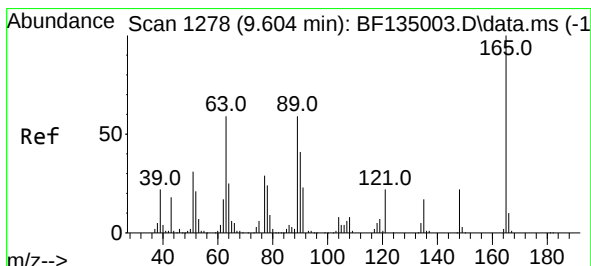
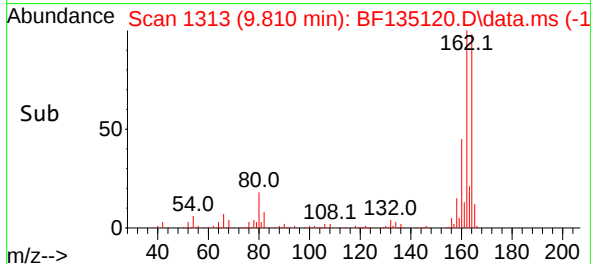
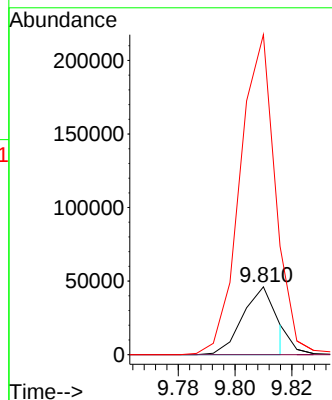
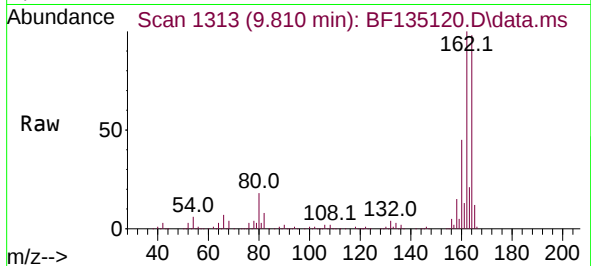




#50
Dimethylphthalate
Concen: 2.832 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

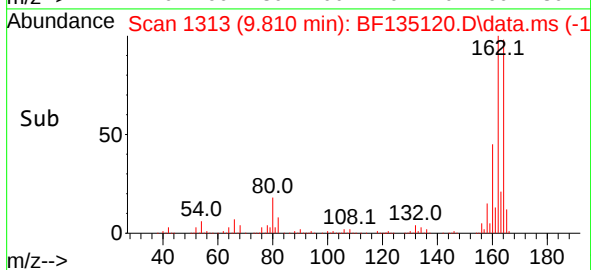
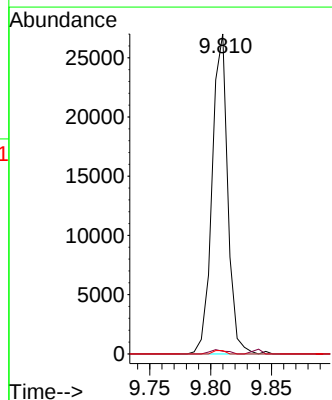
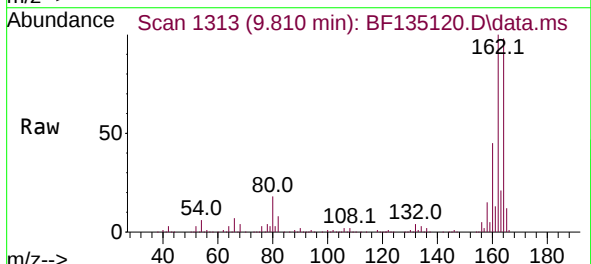
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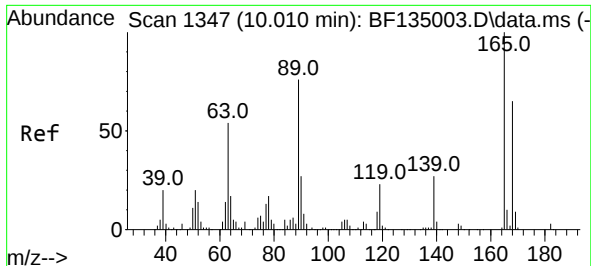
Tgt Ion:163 Resp: 38049
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 472.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.221 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion:165 Resp: 24234
Ion Ratio Lower Upper
165 100
63 0.8 50.4 75.6#
89 1.0 47.1 70.7#

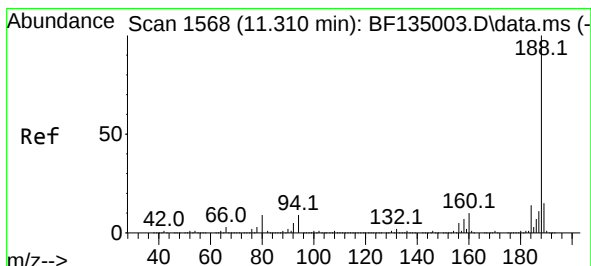
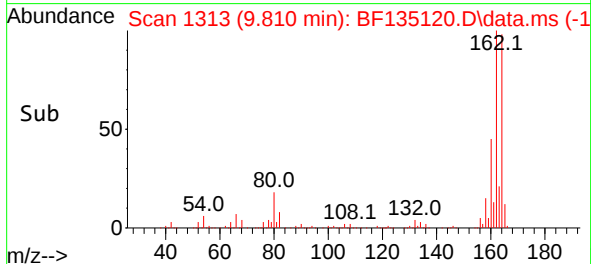
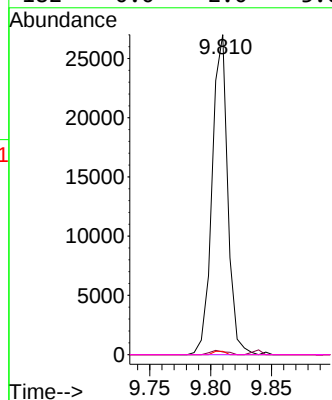
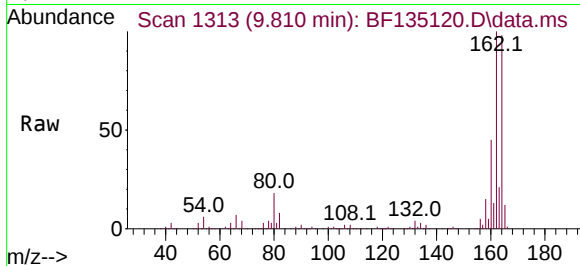




#57
2,4-Dinitrotoluene
Concen: 6.597 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

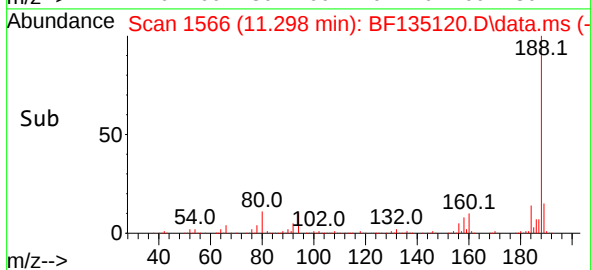
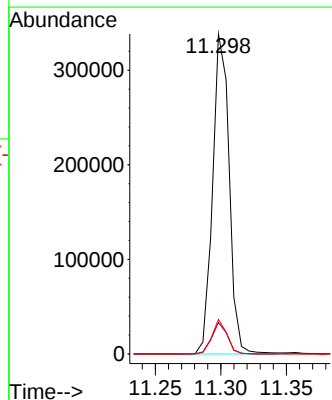
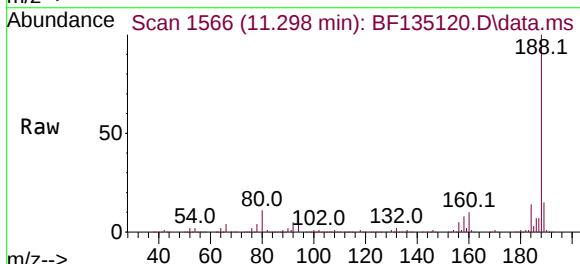
Instrument :
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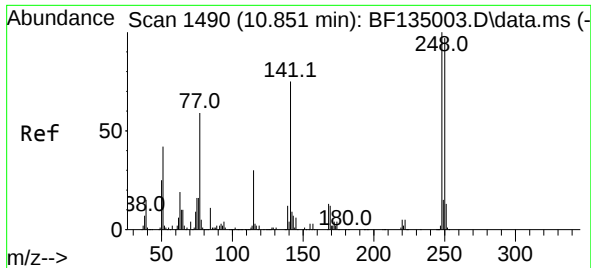
Tgt Ion:	165	Resp:	24234
Ion Ratio	Lower	Upper	
165	100		
63	0.8	43.2	64.8#
89	1.0	60.8	91.2#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion:	188	Resp:	296364
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.0	10.4
80	10.8	7.4	11.2

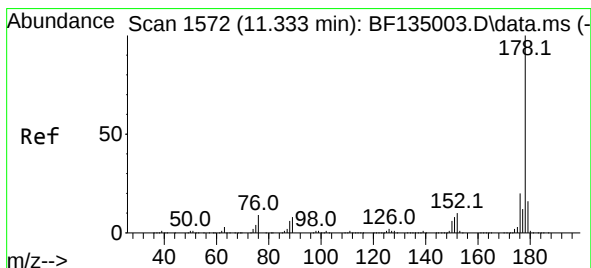
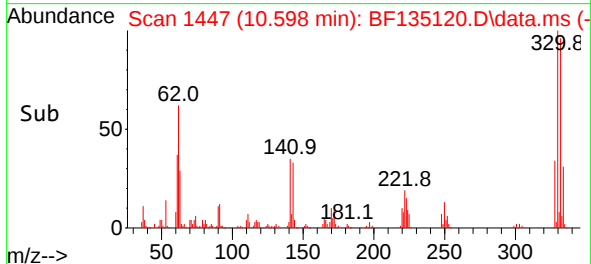
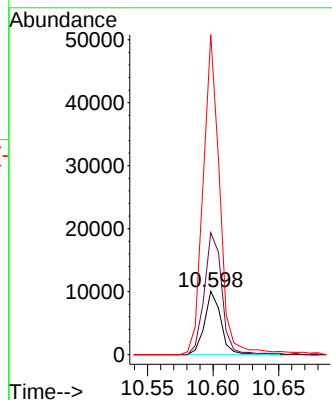
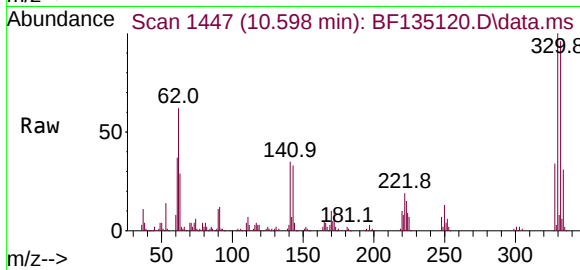




#67
4-Bromophenyl-phenylether
Concen: 2.775 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

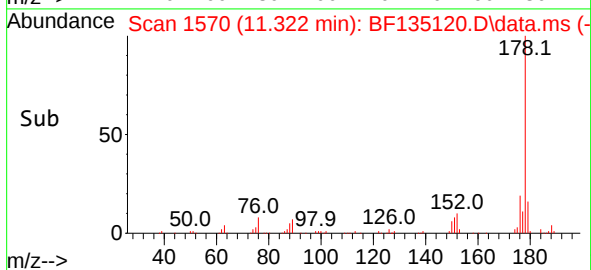
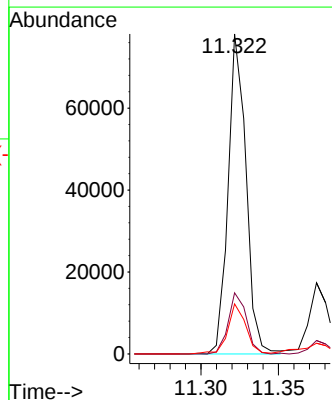
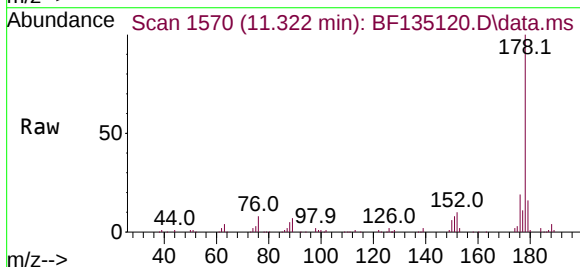
Instrument :
BNA_F
ClientSampleId :
C-1

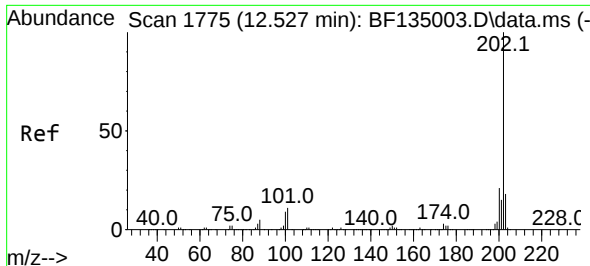
Tgt Ion:248 Resp: 8722
Ion Ratio Lower Upper
248 100
250 192.5 77.9 116.9#
141 505.7 59.8 89.8#



#71
Phenanthrene
Concen: 4.102 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion:178 Resp: 62719
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.6 12.5 18.7

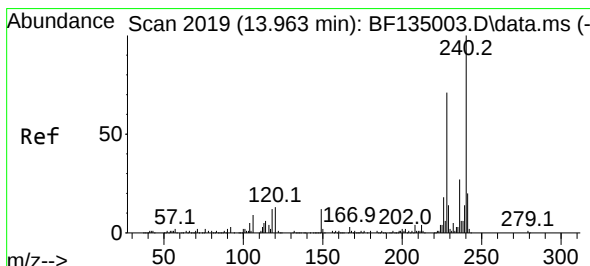
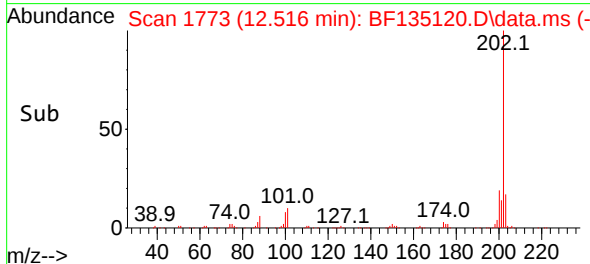
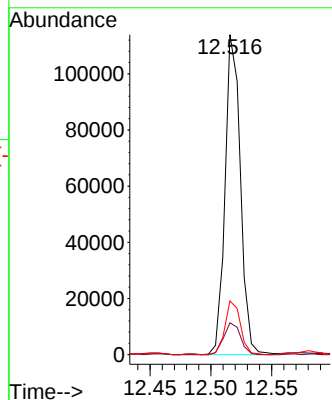
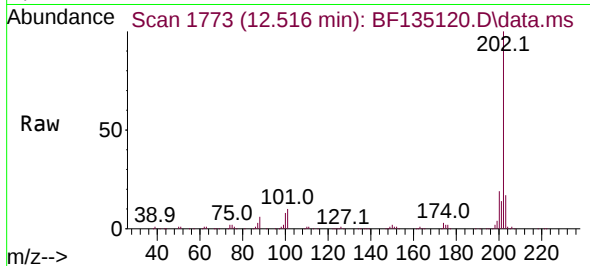




#75
Fluoranthene
Concen: 6.471 ng
RT: 12.516 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

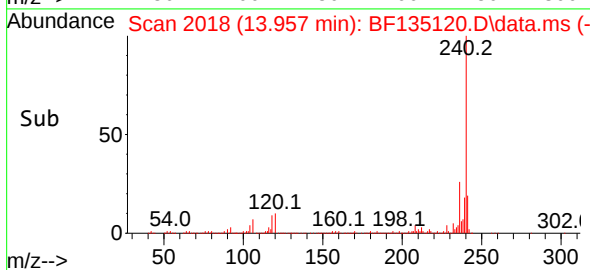
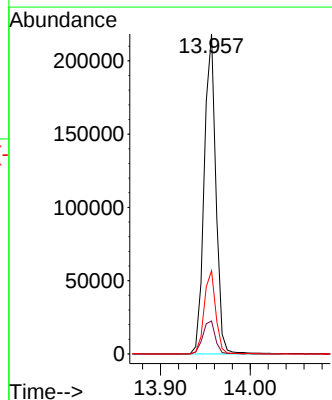
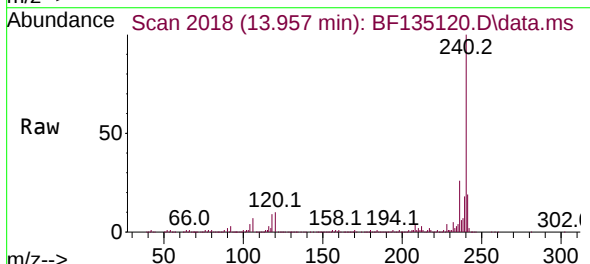
Instrument :
BNA_F
ClientSampleId :
C-1

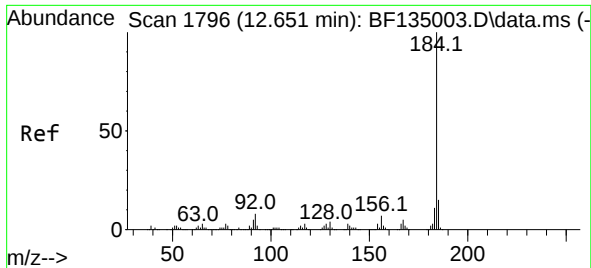
Tgt Ion:202 Resp: 100027
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 16.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

Tgt Ion:240 Resp: 197209
Ion Ratio Lower Upper
240 100
120 10.3 10.2 15.2
236 26.0 21.3 31.9

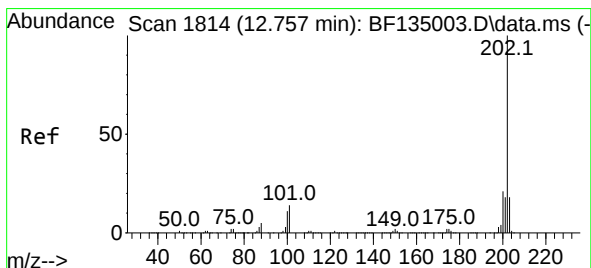
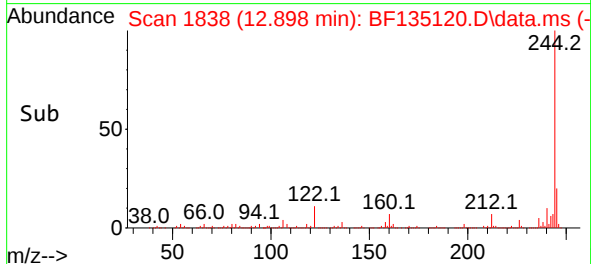
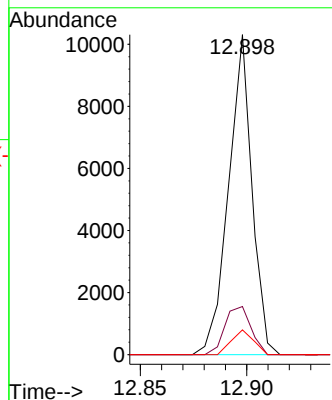
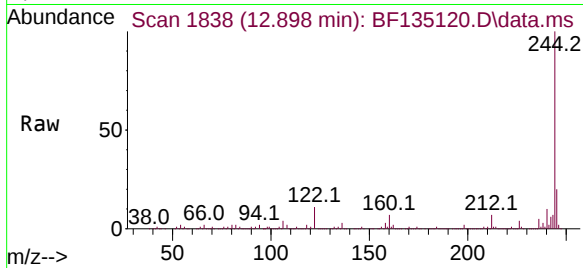




#77
Benzidine
Concen: 2.215 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.247 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

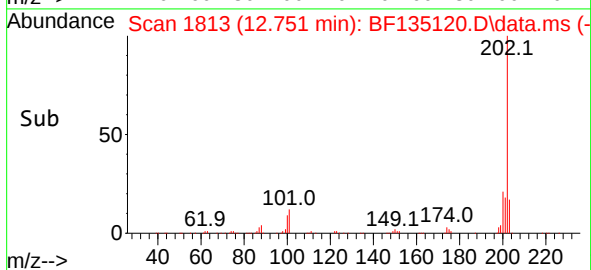
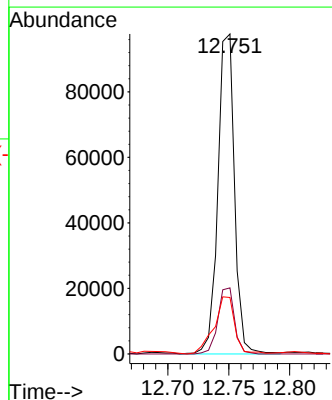
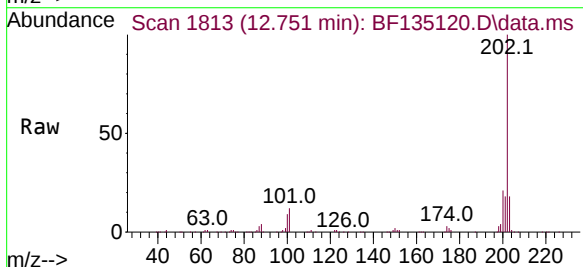
Instrument :
BNA_F
ClientSampleId :
C-1

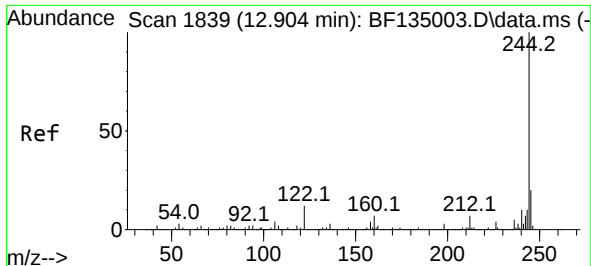
Tgt Ion:184 Resp: 7876
Ion Ratio Lower Upper
184 100
185 15.0 12.0 18.0
183 7.7 9.0 13.6#



#78
Pyrene
Concen: 4.939 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135120.D
Acq: 06 Sep 2023 05:30

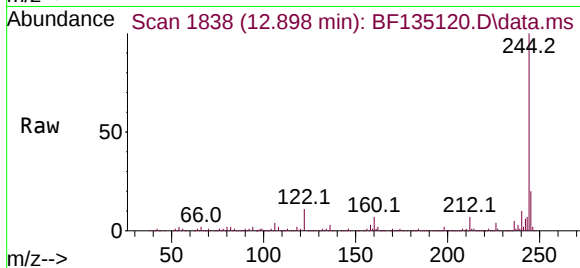
Tgt Ion:202 Resp: 92473
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 17.7 14.2 21.2



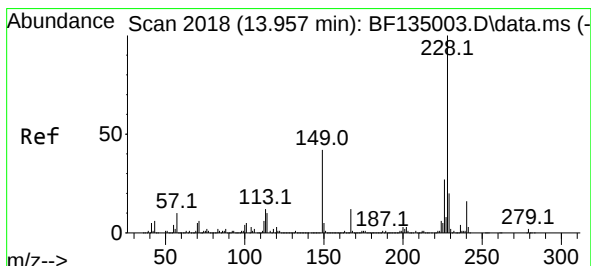
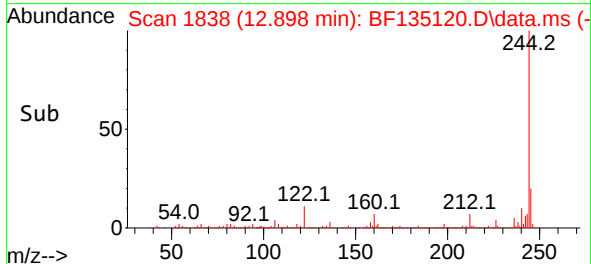
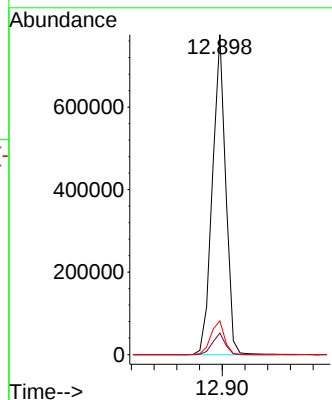


#79
 Terphenyl-d14
 Concen: 52.072 ng
 RT: 12.898 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF135120.D
 Acq: 06 Sep 2023 05:30

Instrument :
 BNA_F
 ClientSampleId :
 C-1

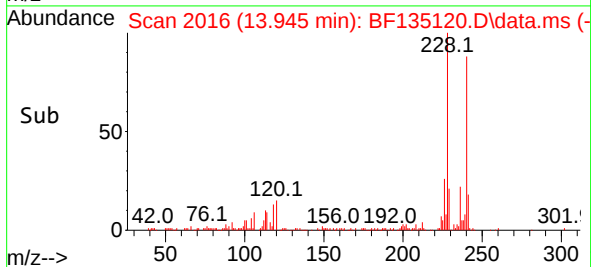
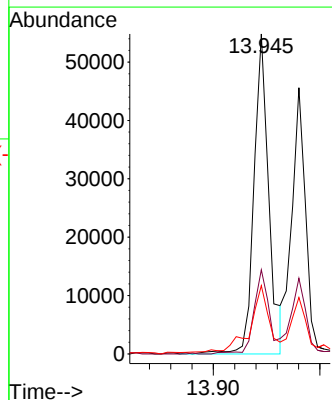
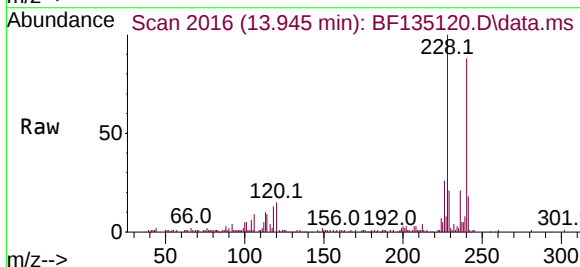


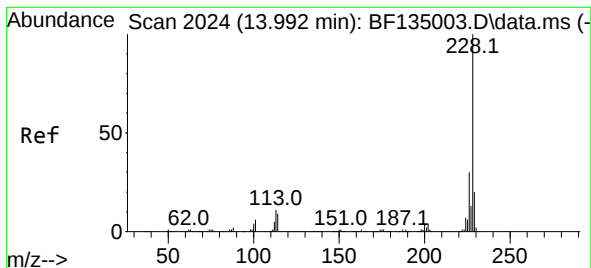
Tgt Ion:244 Resp: 629268
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.5 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 3.950 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF135120.D
 Acq: 06 Sep 2023 05:30

Tgt Ion:228 Resp: 53137
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.6 32.4
 229 21.3 15.6 23.4





#83

Chrysene

Concen: 3.133 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135120.D

Acq: 06 Sep 2023 05:30

Instrument :

BNA_F

ClientSampleId :

C-1

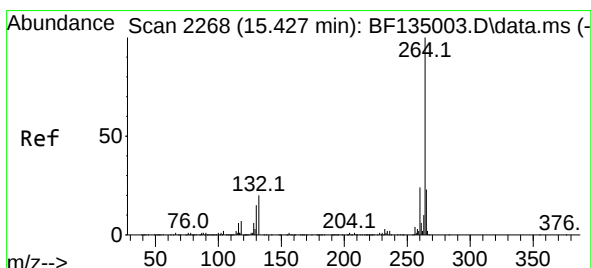
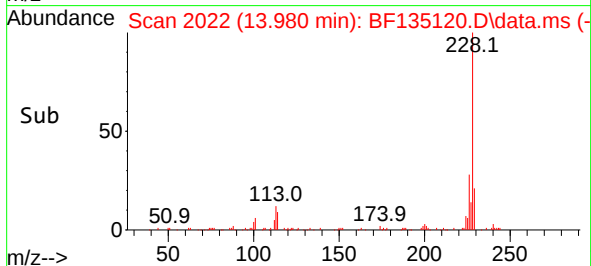
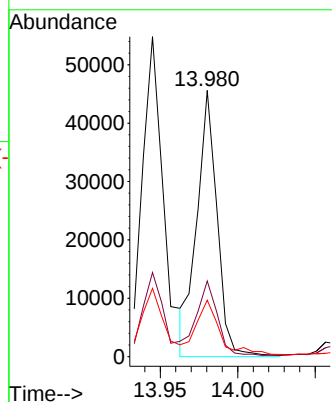
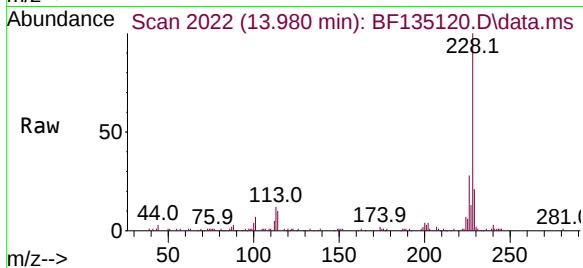
Tgt Ion:228 Resp: 41422

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

229 21.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF135120.D

Acq: 06 Sep 2023 05:30

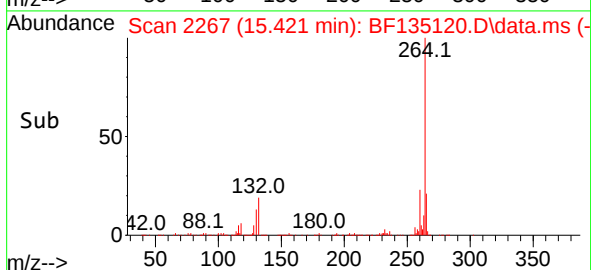
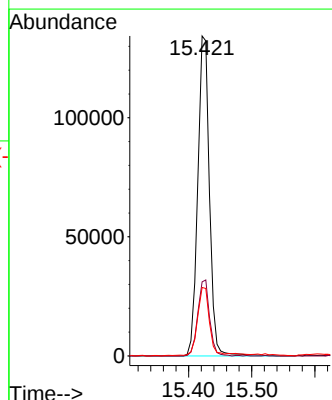
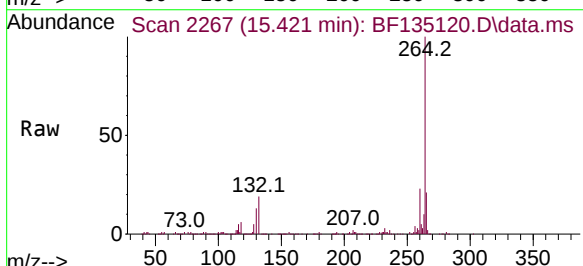
Tgt Ion:264 Resp: 173019

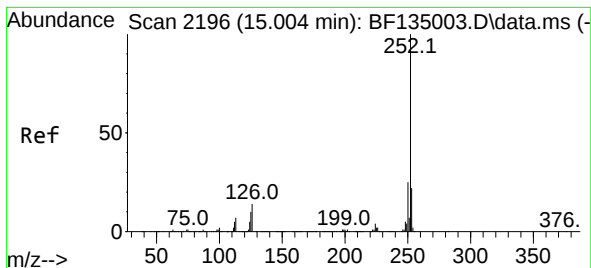
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.4 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 4.952 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135120.D

Acq: 06 Sep 2023 05:30

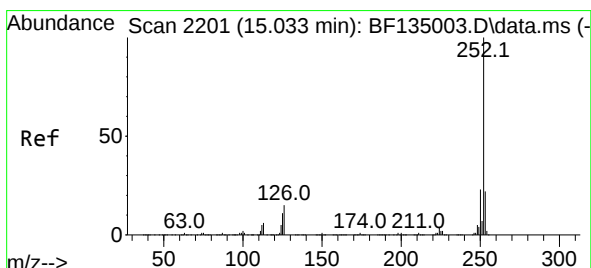
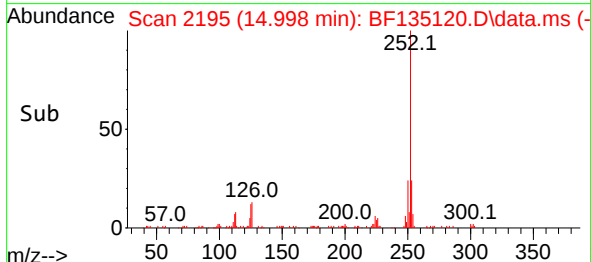
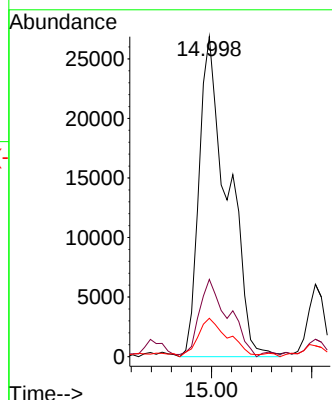
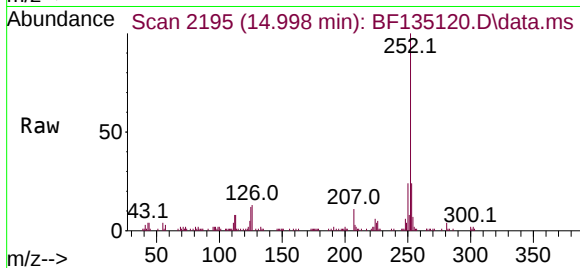
Instrument :

BNA_F

ClientSampleId :

C-1

Tgt Ion:252	Resp:	53306
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.8 26.8
125	12.0	8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 5.125 ng

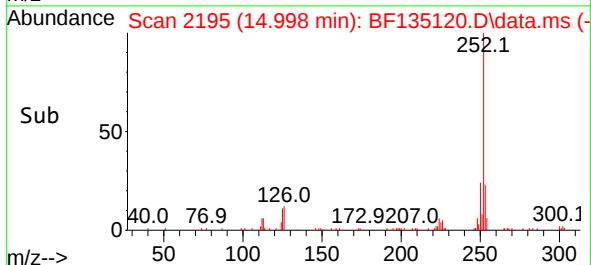
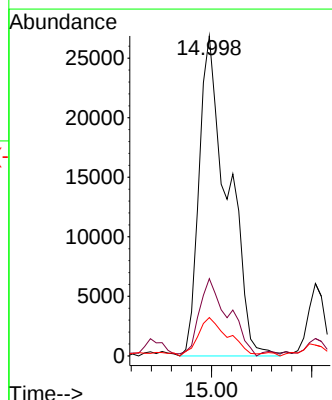
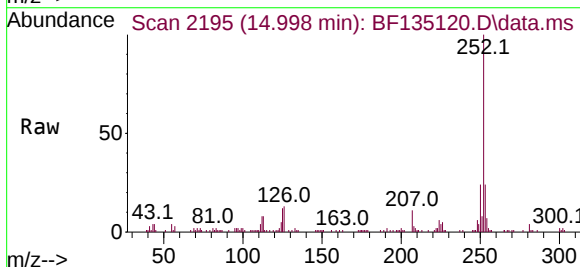
RT: 14.998 min Scan# 2195

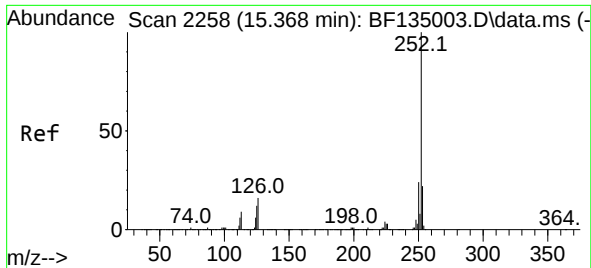
Delta R.T. -0.035 min

Lab File: BF135120.D

Acq: 06 Sep 2023 05:30

Tgt Ion:252	Resp:	53306
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.4 26.0
125	12.0	8.5 12.7





#90

Benzo(a)pyrene

Concen: 2.754 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135120.D

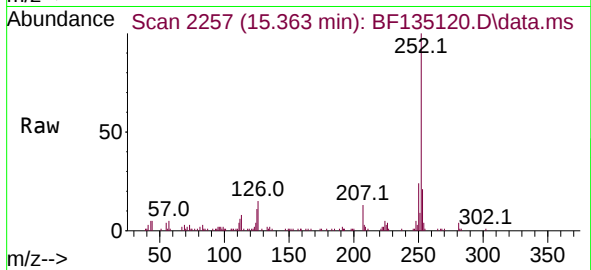
Acq: 06 Sep 2023 05:30

Instrument :

BNA_F

ClientSampleId :

C-1



Tgt Ion:252 Resp: 27543

Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.0

125 11.2 9.5 14.3

