

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135860.D
 Acq On : 18 Oct 2023 21:56
 Operator : CG\JU
 Sample : 04846-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Quant Time: Oct 19 02:09:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

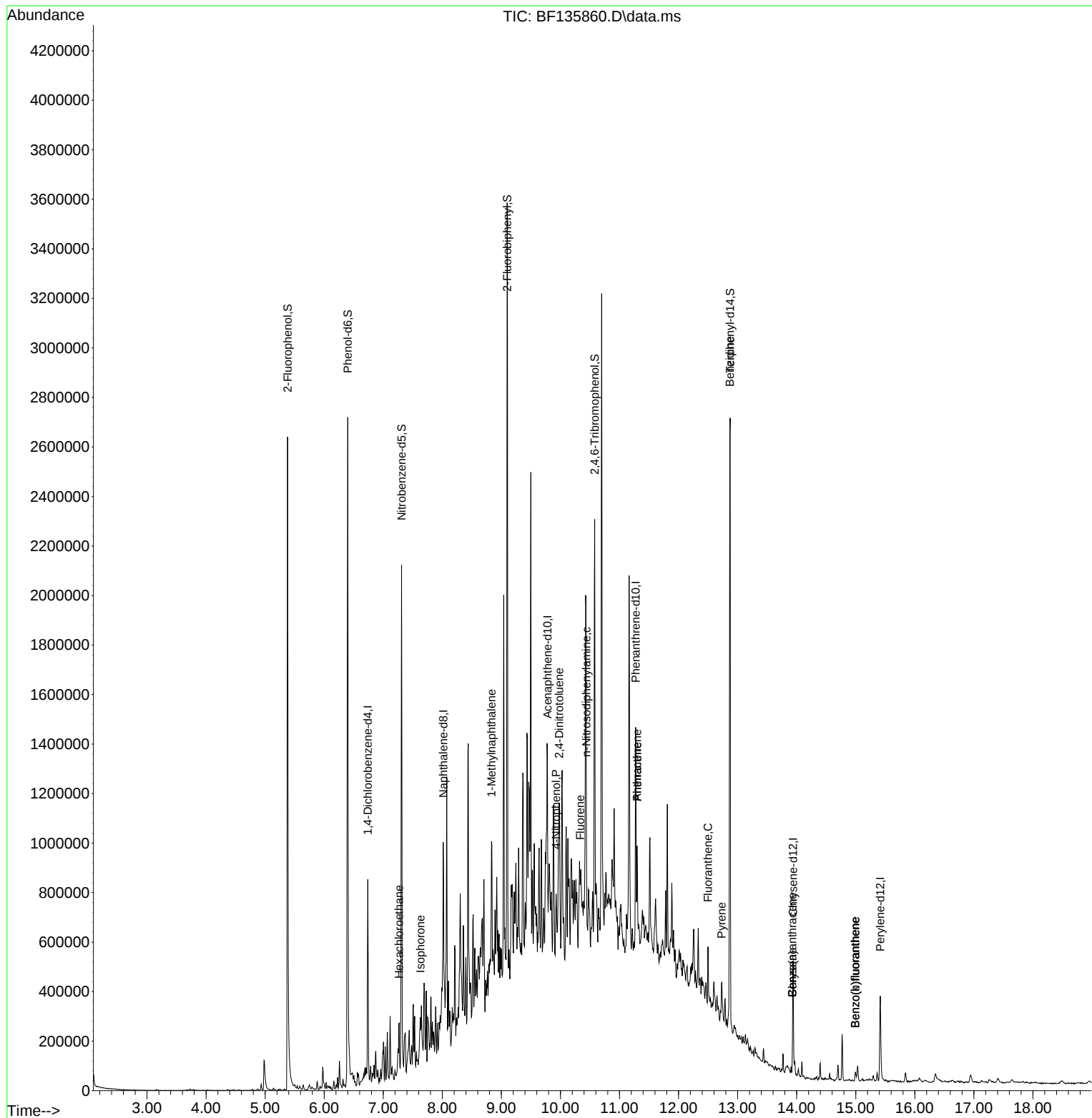
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	88997	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	325079	20.000	ng	0.00
39) Acenaphthene-d10	9.781	164	153007	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	275091	20.000	ng	0.00
76) Chrysene-d12	13.939	240	155450	20.000	ng	-0.01
86) Perylene-d12	15.415	264	167757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	763616	137.949	ng	0.00
7) Phenol-d6	6.398	99	939716	136.057	ng	0.00
23) Nitrobenzene-d5	7.310	82	582808	98.604	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	229708	156.453	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1018549	104.081	ng	0.00
79) Terphenyl-d14	12.874	244	1003079	119.499	ng	0.00
Target Compounds						
18) Hexachloroethane	7.269	117	8336	3.750	ng	# 1
25) Isophorone	7.628	82	33188	2.976	ng	# 68
38) 1-Methylnaphthalene	8.834	142	118900	12.340	ng	99
56) 4-Nitrophenol	9.928	139	1740	6.791	ng	# 13
57) 2,4-Dinitrotoluene	9.981	165	5774	2.043	ng	# 56
58) Fluorene	10.333	166	35817	3.619	ng	# 95
66) n-Nitrosodiphenylamine	10.439	169	44403	5.296	ng	# 51
71) Phenanthrene	11.298	178	133534	10.133	ng	# 96
72) Anthracene	11.298	178	133352	9.765	ng	95
75) Fluoranthene	12.498	202	72918	4.985	ng	98
77) Benzidine	12.869	184	13141	3.874	ng	97
78) Pyrene	12.727	202	71922	5.822	ng	98
81) Benzo(a)anthracene	13.927	228	21055	2.062	ng	95
83) Chrysene	13.927	228	21055	2.129	ng	98
88) Benzo(b)fluoranthene	14.992	252	28277	3.012	ng	# 96
89) Benzo(k)fluoranthene	14.992	252	28277	3.102	ng	94

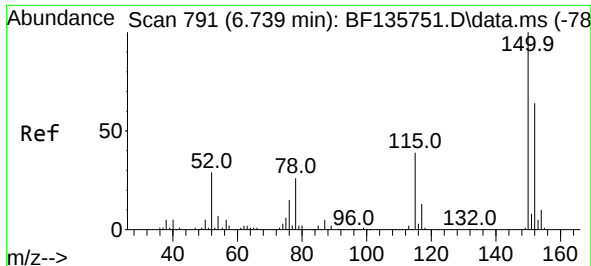
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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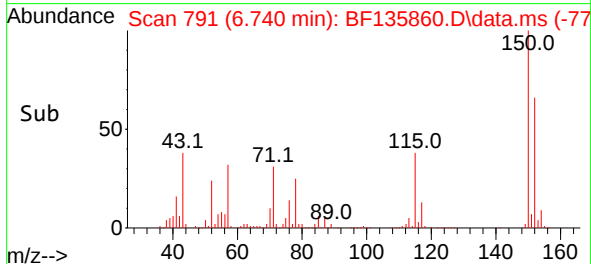
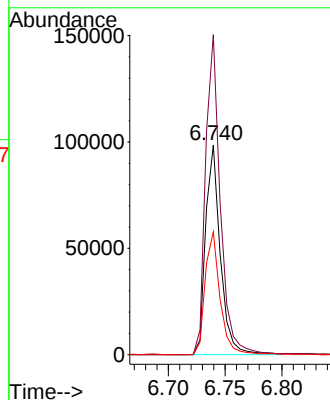
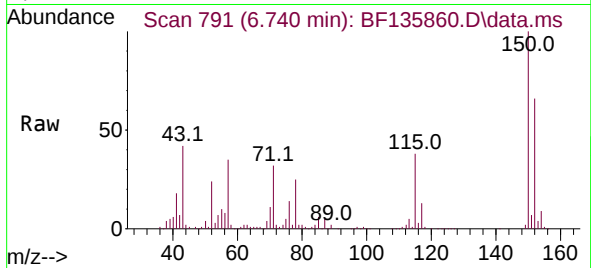




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135860.D
 Acq: 18 Oct 2023 21:56

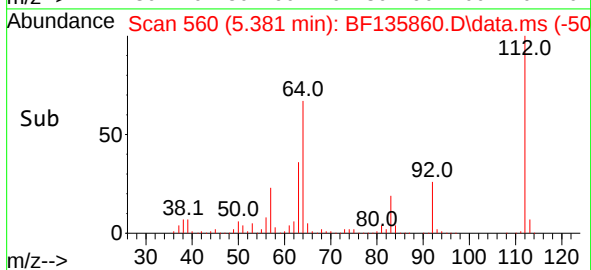
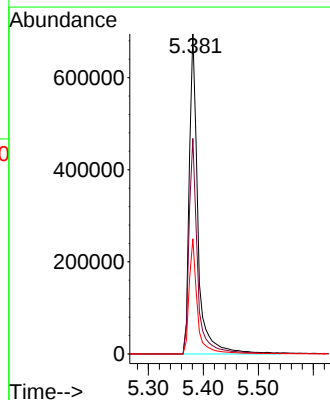
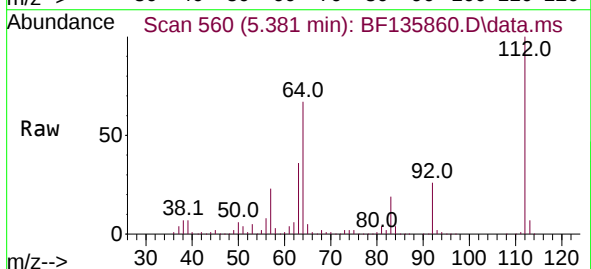
Instrument :
 BNA_F
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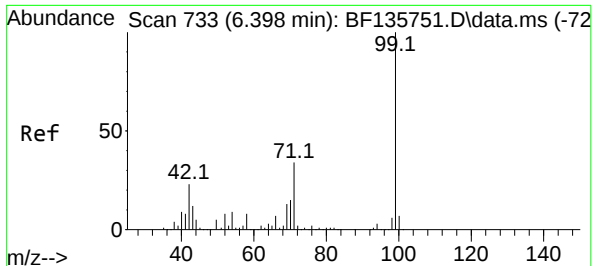
Tgt Ion:152 Resp: 88997
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.5 186.7
 115 58.6 49.0 73.4



#5
 2-Fluorophenol
 Concen: 137.949 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135860.D
 Acq: 18 Oct 2023 21:56

Tgt Ion:112 Resp: 763616
 Ion Ratio Lower Upper
 112 100
 64 67.4 51.2 76.8
 63 36.0 26.1 39.1

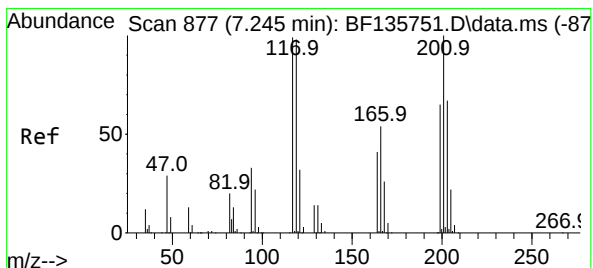
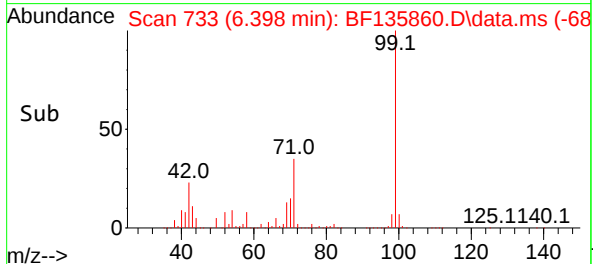
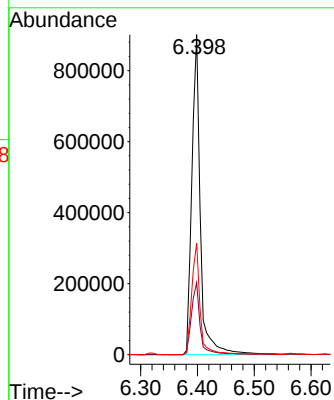
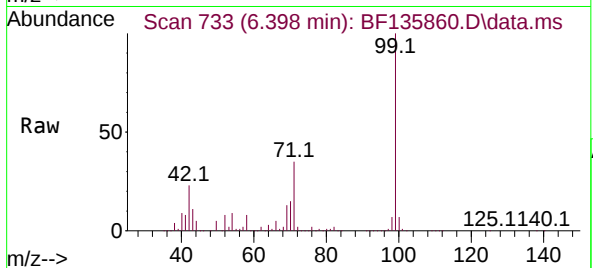




#7
Phenol-d6
Concen: 136.057 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

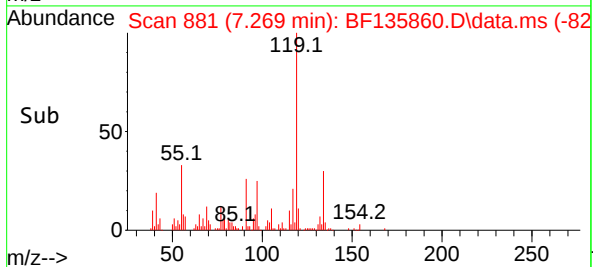
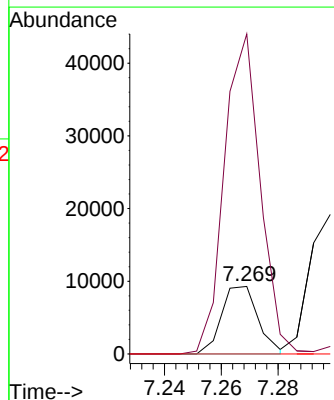
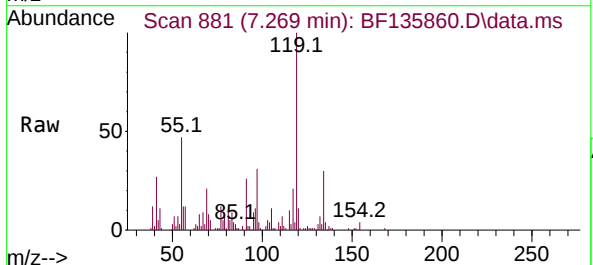
Instrument :
BNA_F
ClientSampleId :
WASTE

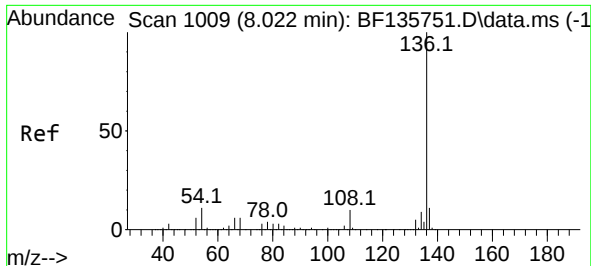
Tgt Ion: 99 Resp: 939716
Ion Ratio Lower Upper
99 100
42 22.5 18.4 27.6
71 34.9 27.2 40.8



#18
Hexachloroethane
Concen: 3.750 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.023 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion: 117 Resp: 8336
Ion Ratio Lower Upper
117 100
119 473.4 79.5 119.3#
201 0.0 80.9 121.3#

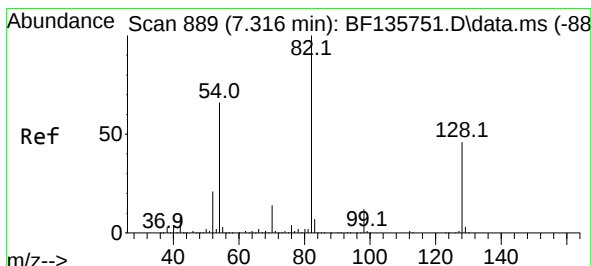
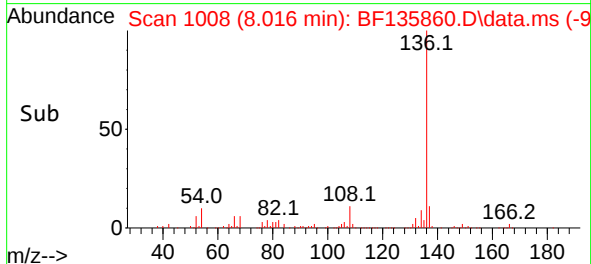
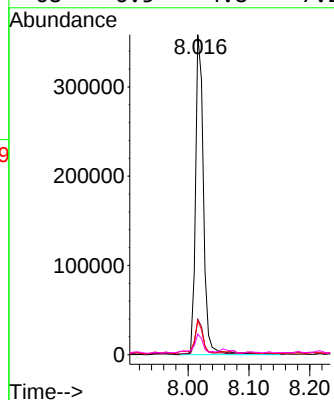
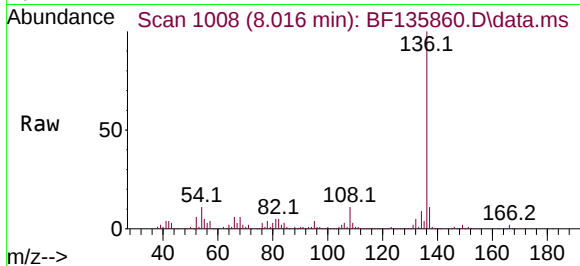




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

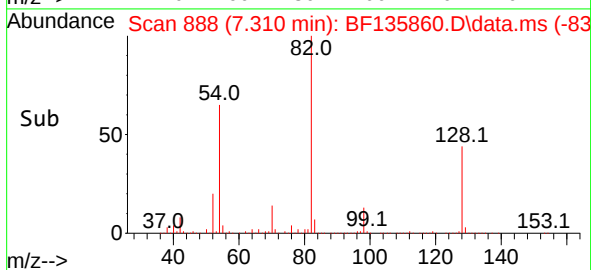
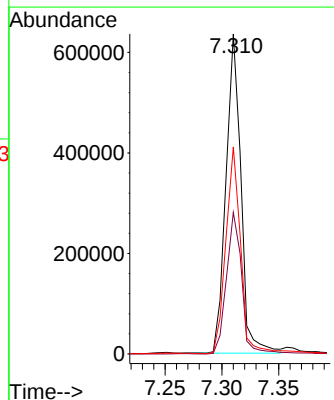
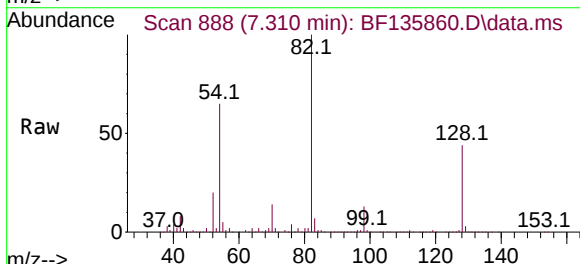
Instrument :
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ClientSampleId :
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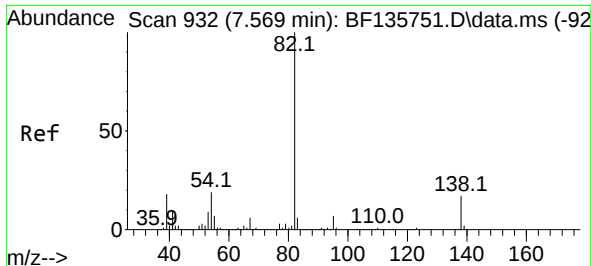
Tgt Ion:136 Resp: 325079
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.7 8.5 12.7
68 6.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 98.604 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion: 82 Resp: 582808
Ion Ratio Lower Upper
82 100
128 44.3 37.0 55.6
54 64.7 52.8 79.2

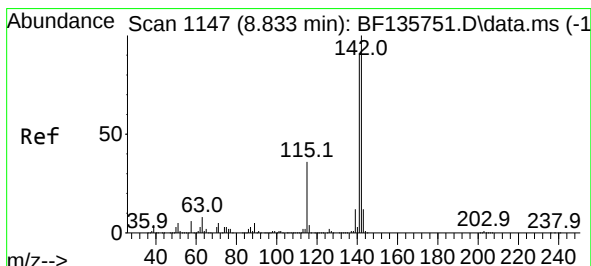
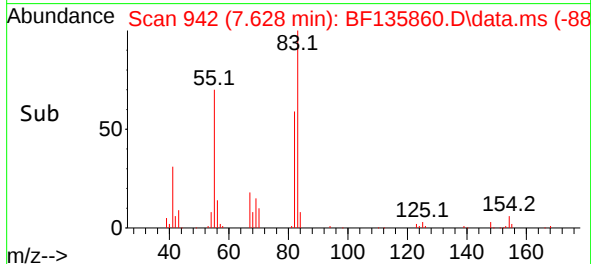
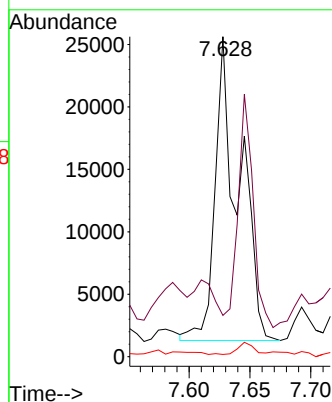
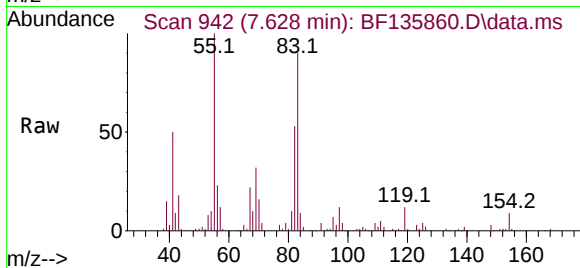




#25
Isophorone
Concen: 2.976 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.059 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

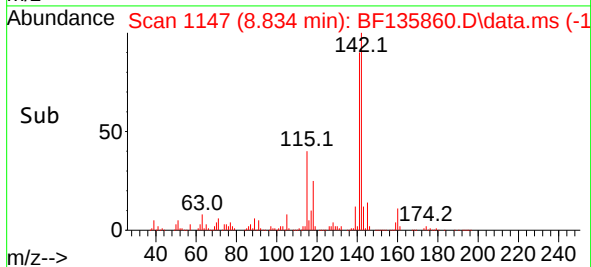
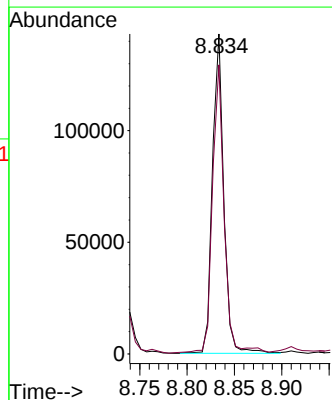
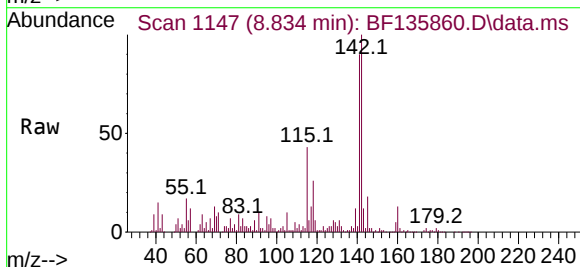
Instrument :
BNA_F
ClientSampleId :
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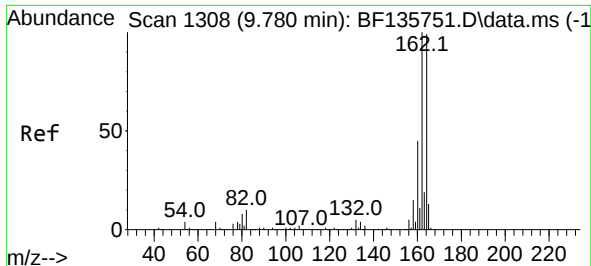
Tgt Ion: 82 Resp: 33188
Ion Ratio Lower Upper
82 100
95 12.9 5.5 8.3#
138 0.7 13.9 20.9#



#38
1-Methylnaphthalene
Concen: 12.340 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion: 142 Resp: 118900
Ion Ratio Lower Upper
142 100
141 90.4 72.7 109.1

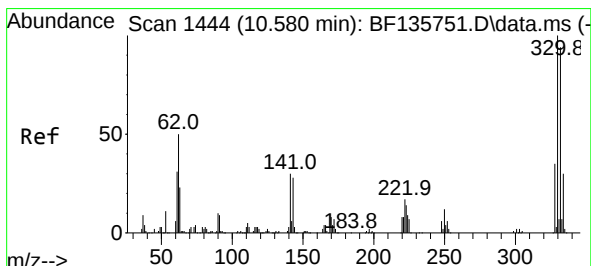
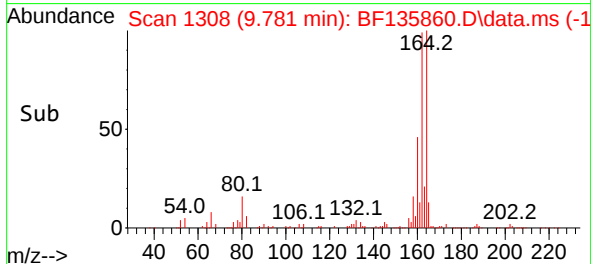
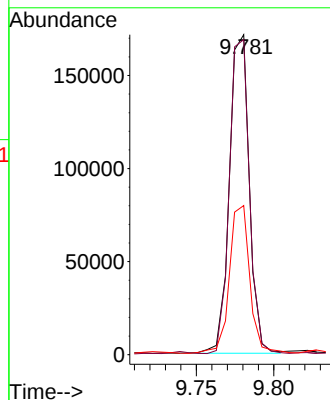
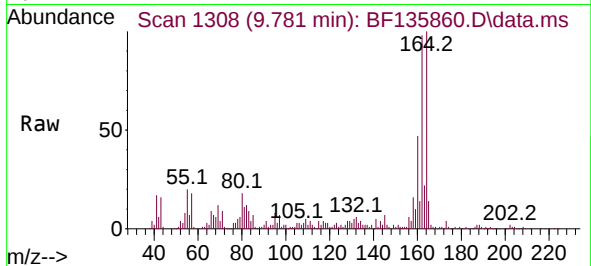




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

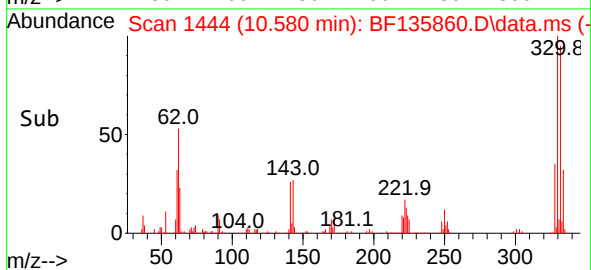
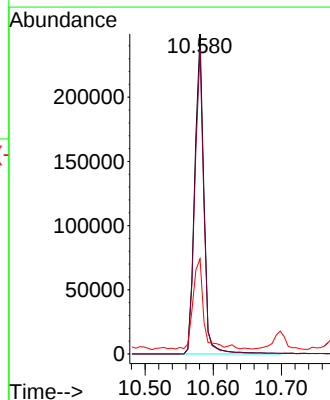
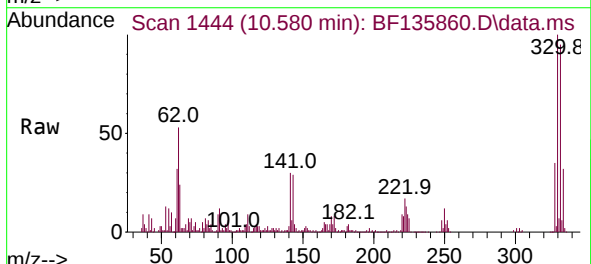
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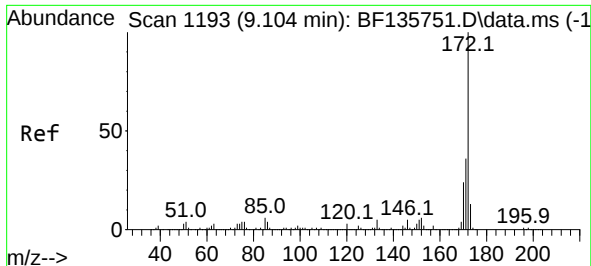
Tgt Ion:164 Resp: 153007
Ion Ratio Lower Upper
164 100
162 98.5 80.8 121.2
160 46.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 156.453 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:330 Resp: 229708
Ion Ratio Lower Upper
330 100
332 93.8 75.0 112.4
141 31.7 25.8 38.6

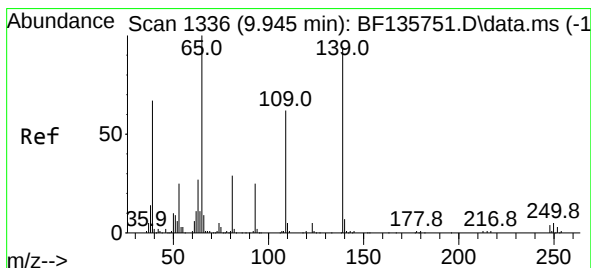
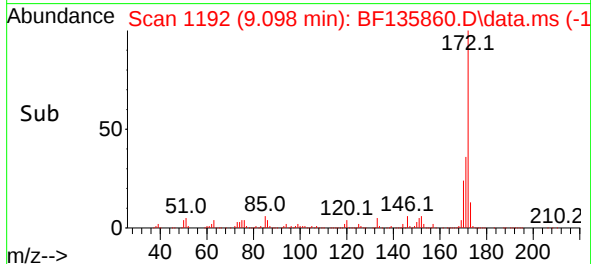
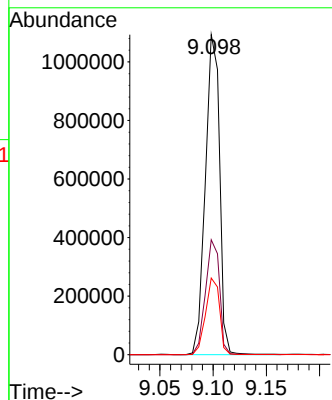
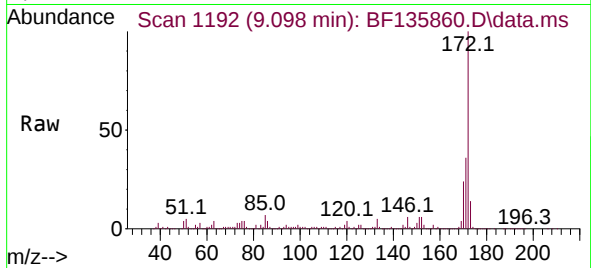




#45
2-Fluorobiphenyl
Concen: 104.081 ng
RT: 9.098 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

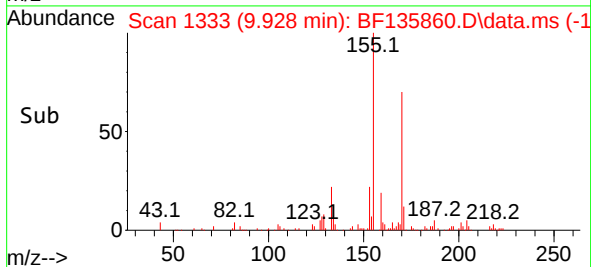
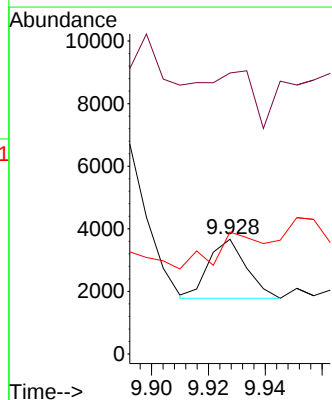
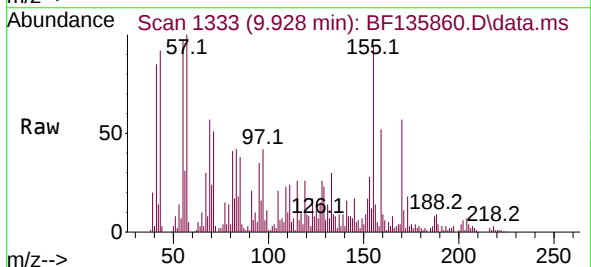
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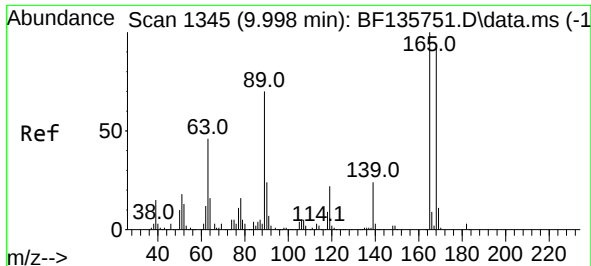
Tgt Ion:172 Resp: 1018549
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.9 18.8 28.2



#56
4-Nitrophenol
Concen: 6.791 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:139 Resp: 1740
Ion Ratio Lower Upper
139 100
109 244.9 45.6 85.6#
65 106.2 87.5 127.5

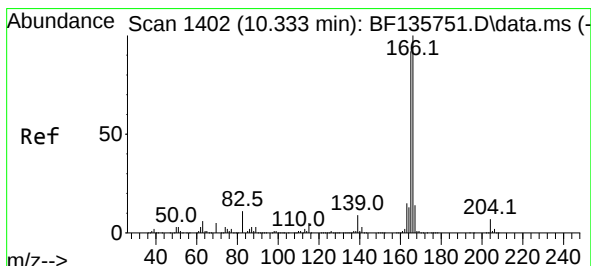
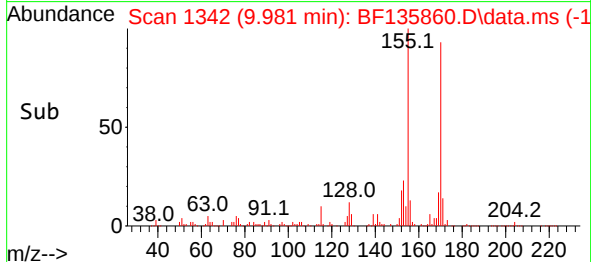
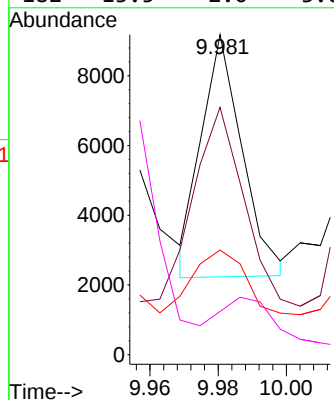
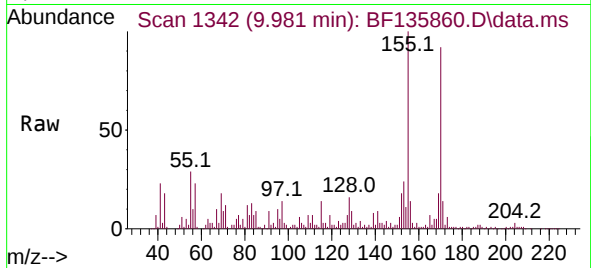




#57
2,4-Dinitrotoluene
Concen: 2.043 ng
RT: 9.981 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

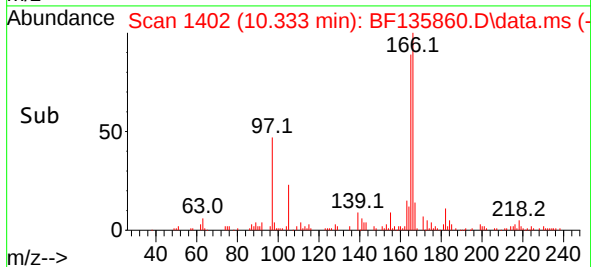
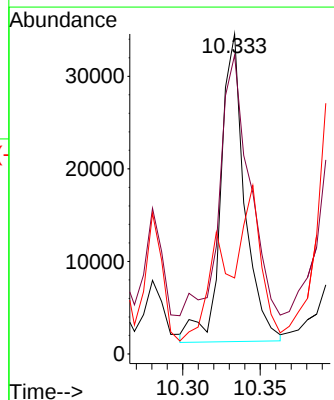
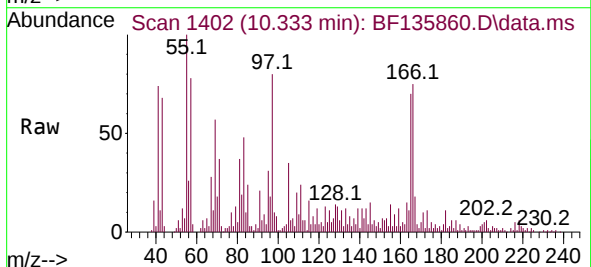
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ClientSampleId :
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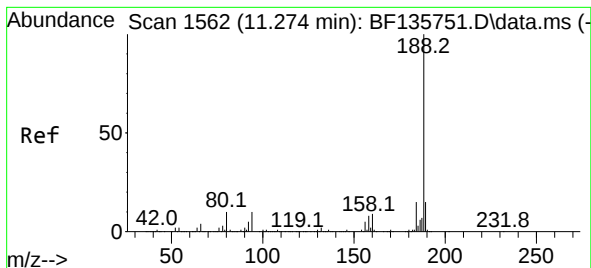
Tgt Ion:165 Resp: 5774
Ion Ratio Lower Upper
165 100
63 77.3 39.0 58.4#
89 32.7 55.9 83.9#
182 13.5 2.0 3.0#



#58
Fluorene
Concen: 3.619 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:166 Resp: 35817
Ion Ratio Lower Upper
166 100
165 93.4 73.4 110.0
167 23.7 11.0 16.6#

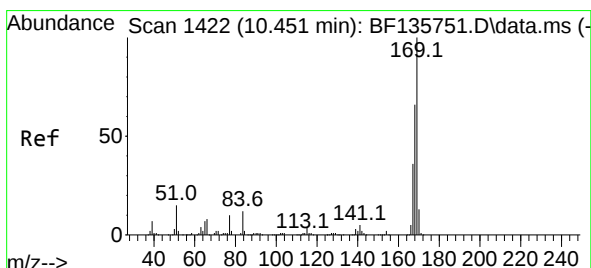
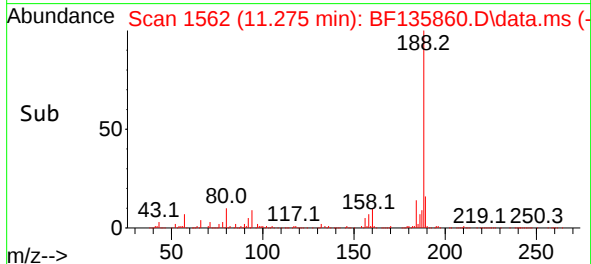
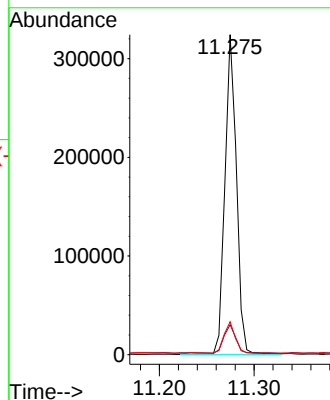
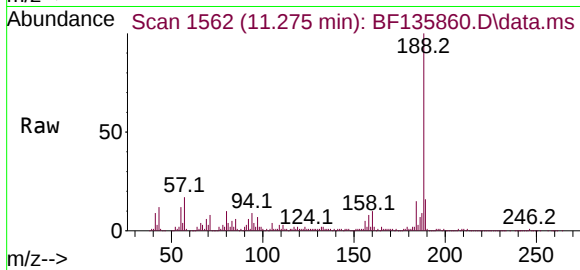




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

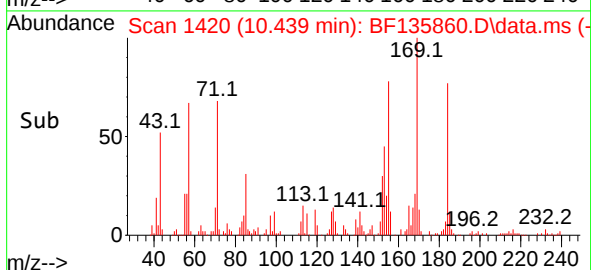
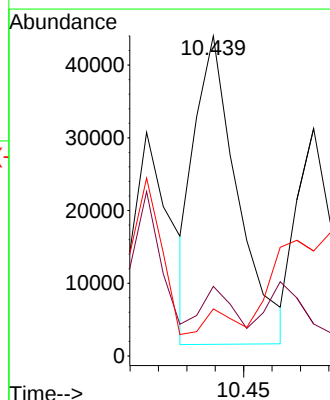
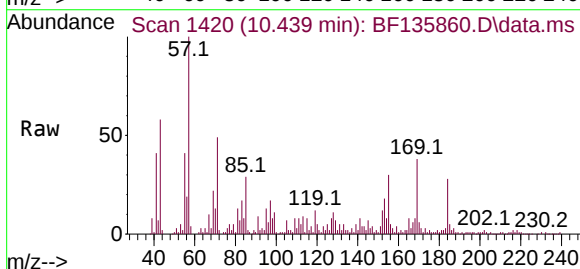
Instrument :
BNA_F
ClientSampleId :
WASTE

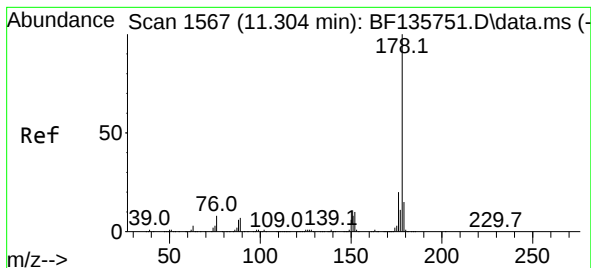
Tgt Ion:188 Resp: 275091
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.3 8.3 12.5



#66
n-Nitrosodiphenylamine
Concen: 5.296 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:169 Resp: 44403
Ion Ratio Lower Upper
169 100
168 21.8 53.4 80.2#
167 14.7 29.2 43.8#





#71

Phenanthrene

Concen: 10.133 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF135860.D

Acq: 18 Oct 2023 21:56

Instrument :

BNA_F

ClientSampleId :

WASTE

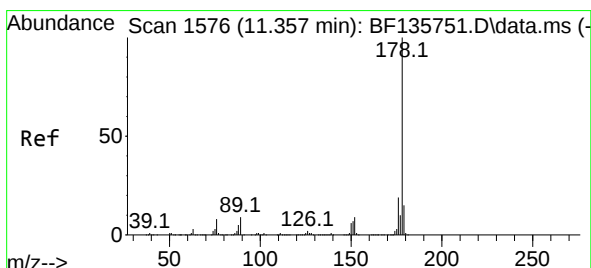
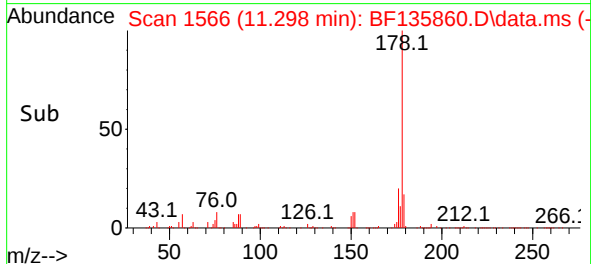
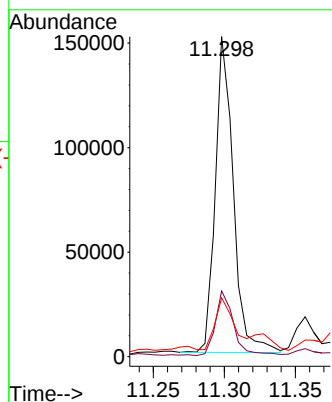
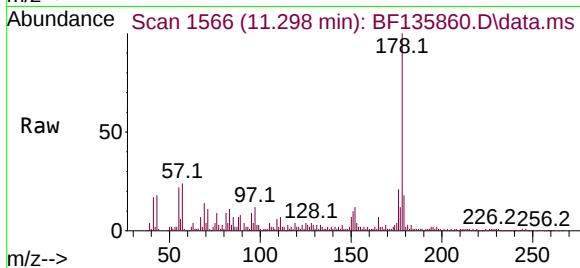
Tgt Ion:178 Resp: 133534

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

179 18.4 12.2 18.4#



#72

Anthracene

Concen: 9.765 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.059 min

Lab File: BF135860.D

Acq: 18 Oct 2023 21:56

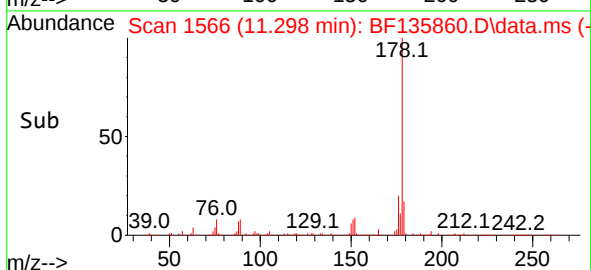
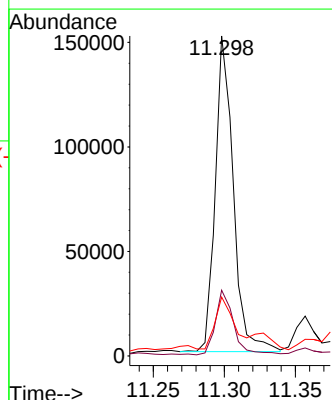
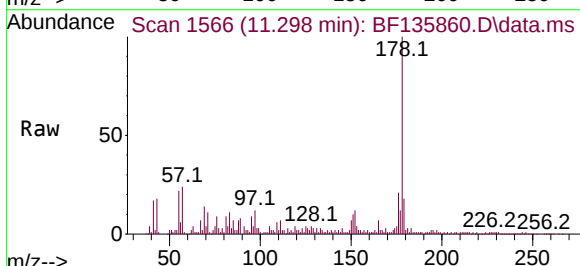
Tgt Ion:178 Resp: 133352

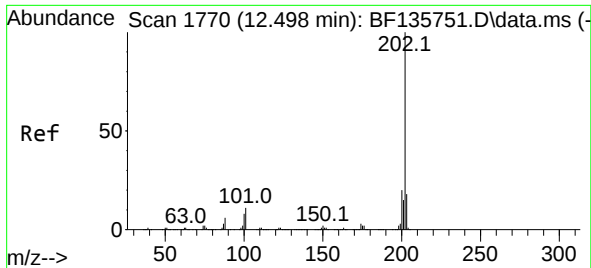
Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

179 18.4 12.3 18.5

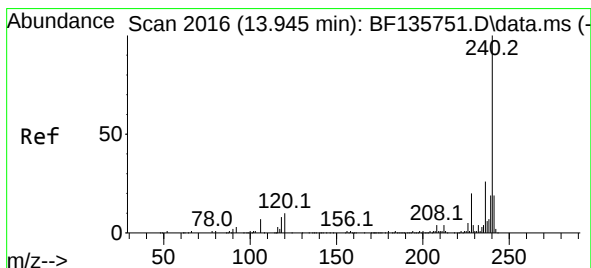
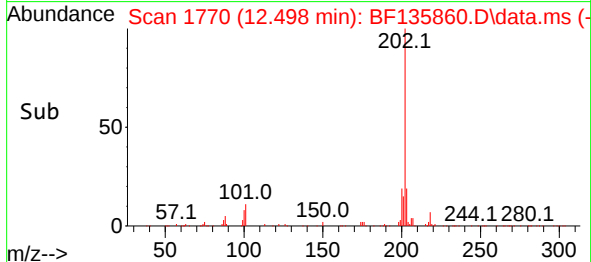
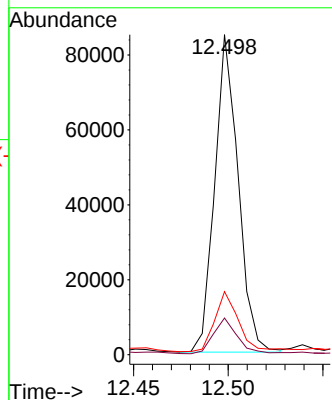
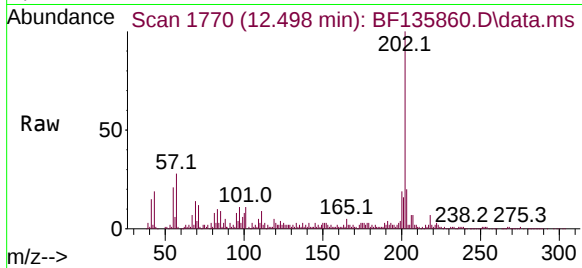




#75
Fluoranthene
Concen: 4.985 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

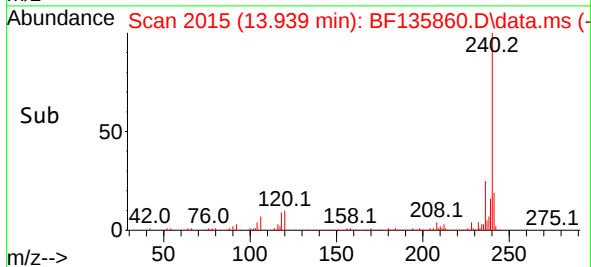
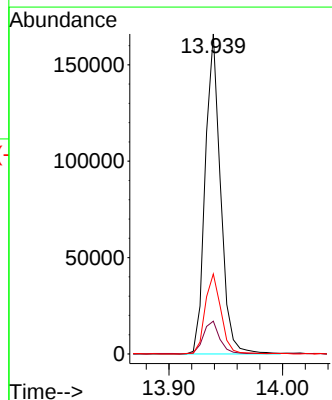
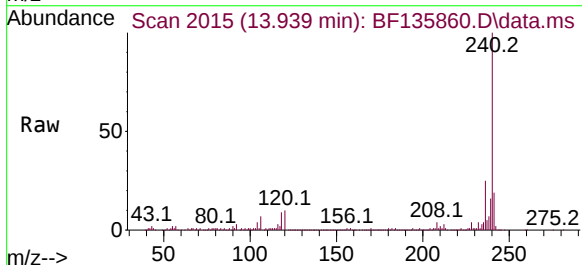
Instrument :
BNA_F
ClientSampleId :
WASTE

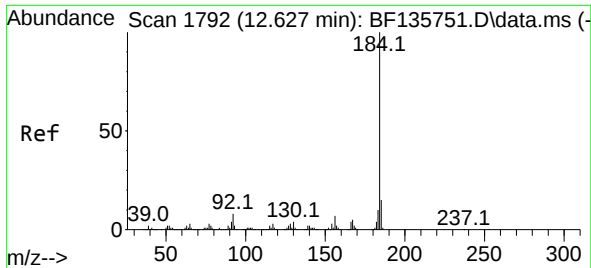
Tgt Ion:202 Resp: 72918
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.5
203 19.7 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:240 Resp: 155450
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.0 21.2 31.8

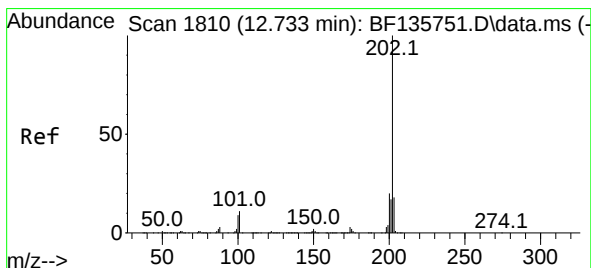
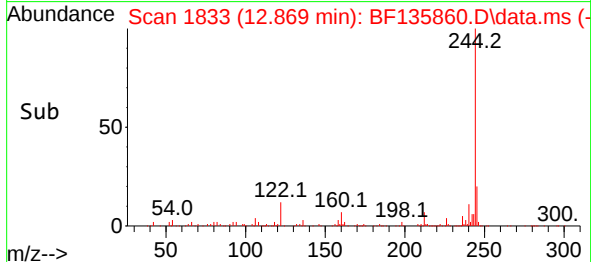
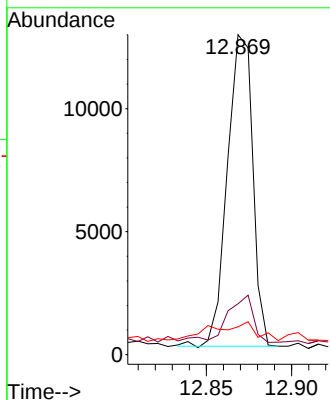
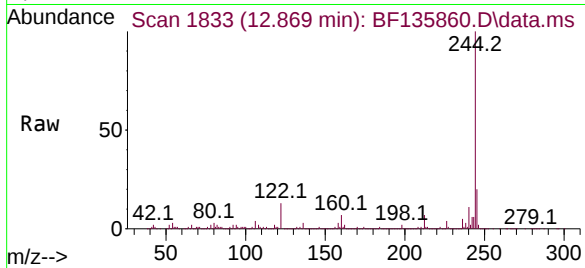




#77
Benzidine
Concen: 3.874 ng
RT: 12.869 min Scan# 1809
Delta R.T. 0.235 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

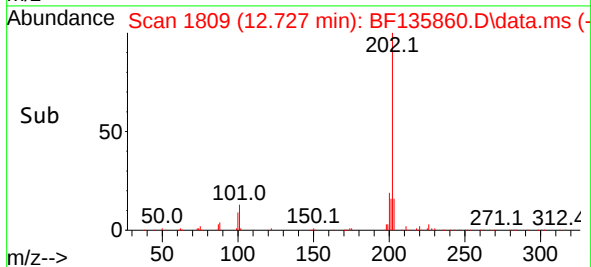
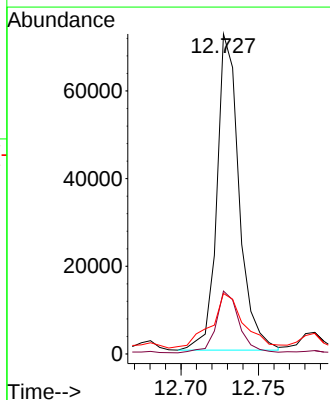
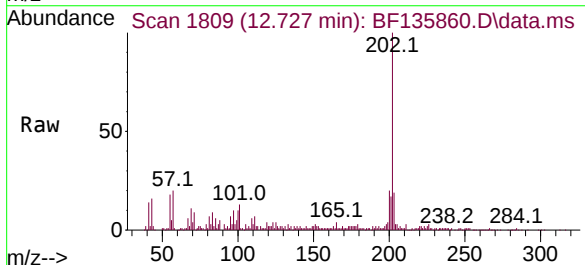
Instrument :
BNA_F
ClientSampleId :
WASTE

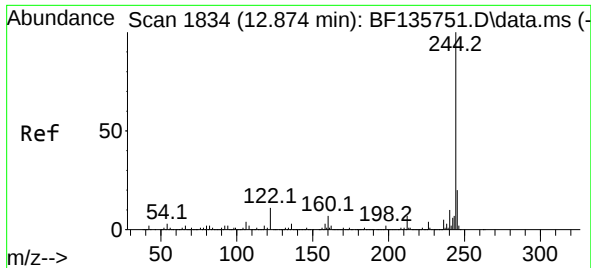
Tgt Ion:184 Resp: 13141
Ion Ratio Lower Upper
184 100
185 15.9 12.0 18.0
183 8.7 8.2 12.2



#78
Pyrene
Concen: 5.822 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:202 Resp: 71922
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 18.9 14.2 21.2

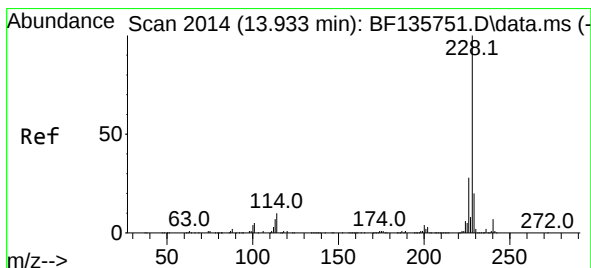
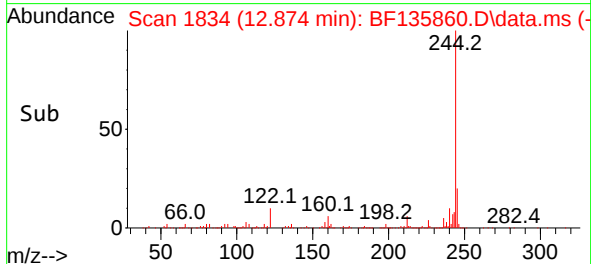
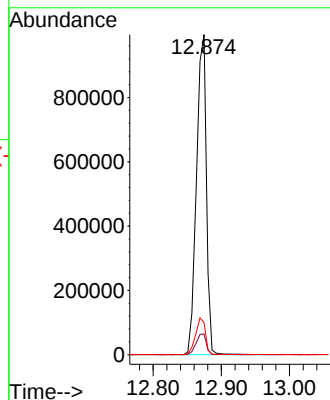
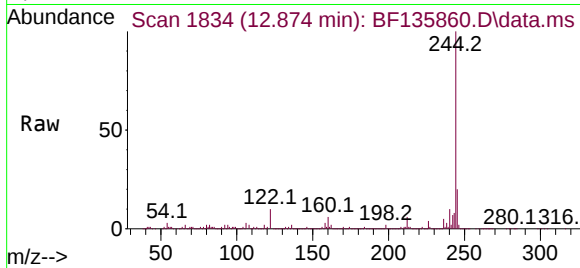




#79
 Terphenyl-d14
 Concen: 119.499 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF135860.D
 Acq: 18 Oct 2023 21:56

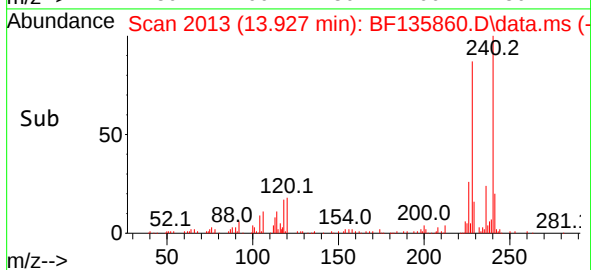
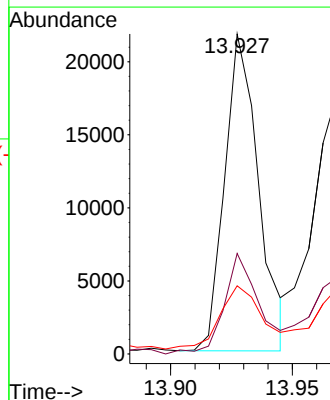
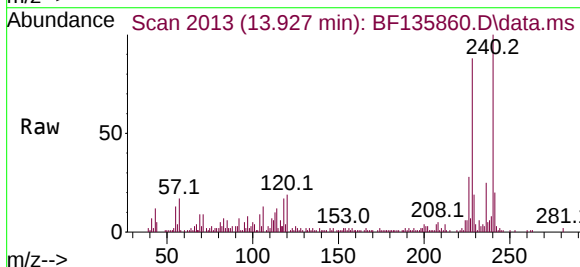
Instrument :
 BNA_F
 ClientSampleId :
 WASTE

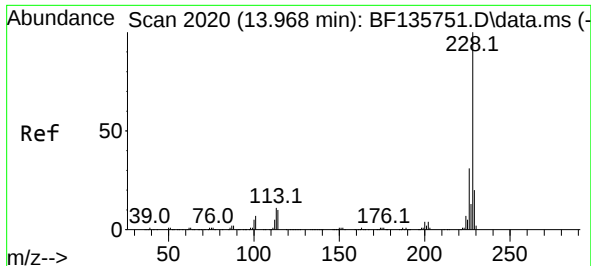
Tgt Ion:244 Resp: 1003079
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.0 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 2.062 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135860.D
 Acq: 18 Oct 2023 21:56

Tgt Ion:228 Resp: 21055
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.2 33.2
 229 21.3 16.1 24.1

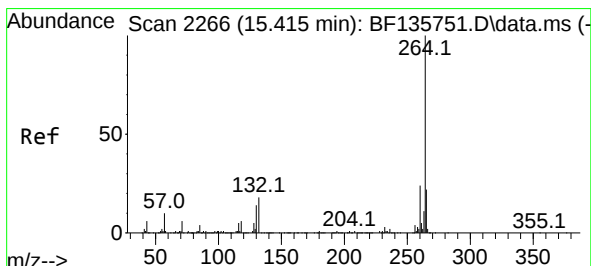
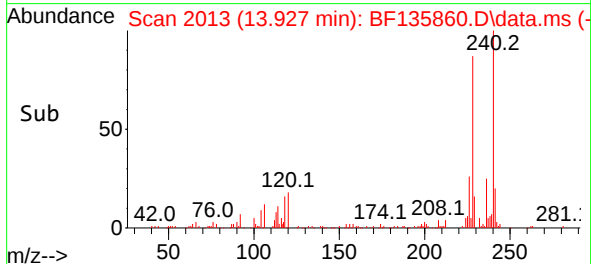
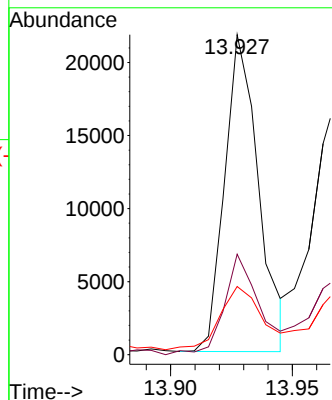
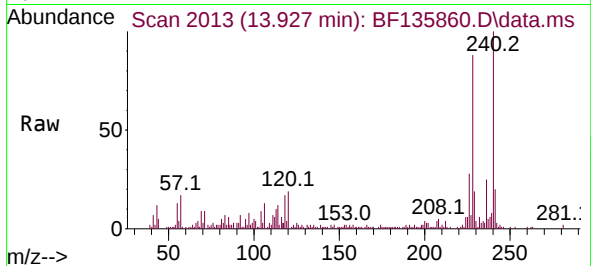




#83
Chrysene
Concen: 2.129 ng
RT: 13.927 min Scan# 2020
Delta R.T. -0.047 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

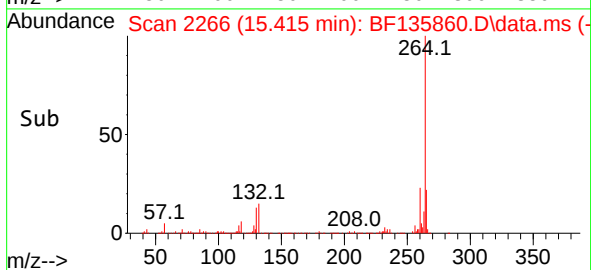
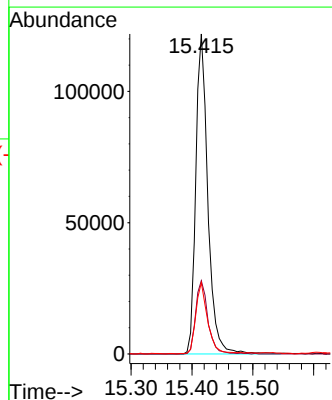
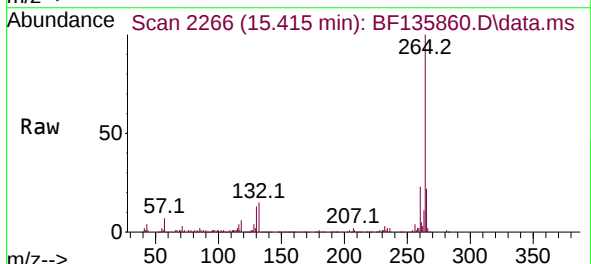
Instrument :
BNA_F
ClientSampleId :
WASTE

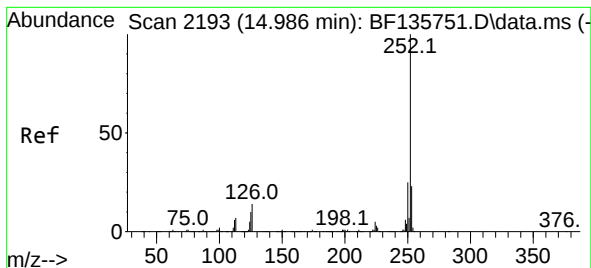
Tgt Ion:228 Resp: 21055
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 21.3 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:264 Resp: 167757
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.012 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135860.D

Acq: 18 Oct 2023 21:56

Instrument :

BNA_F

ClientSampleId :

WASTE

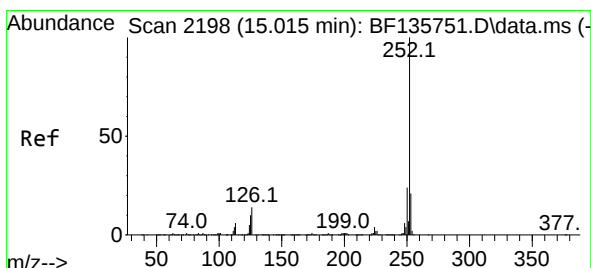
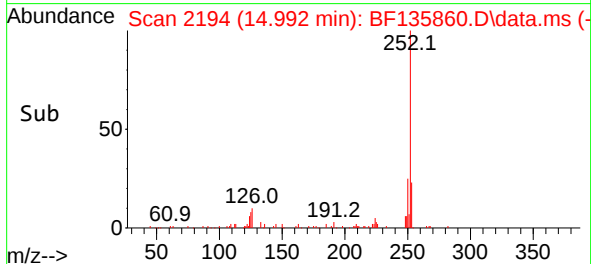
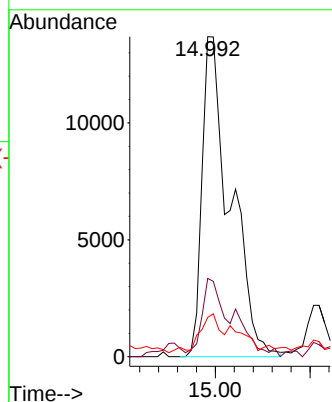
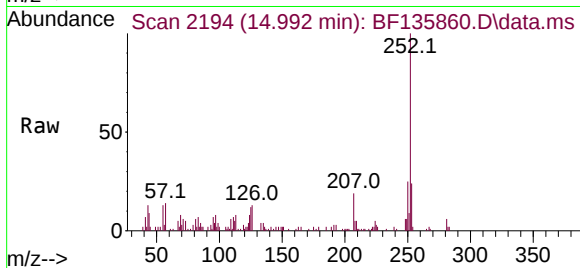
Tgt Ion:252 Resp: 28277

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

125 12.3 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 3.102 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF135860.D

Acq: 18 Oct 2023 21:56

Tgt Ion:252 Resp: 28277

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 12.3 8.3 12.5

