

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135209.D
 Acq On : 13 Sep 2023 06:35
 Operator : CG\JU
 Sample : 04333-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 13 07:43:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

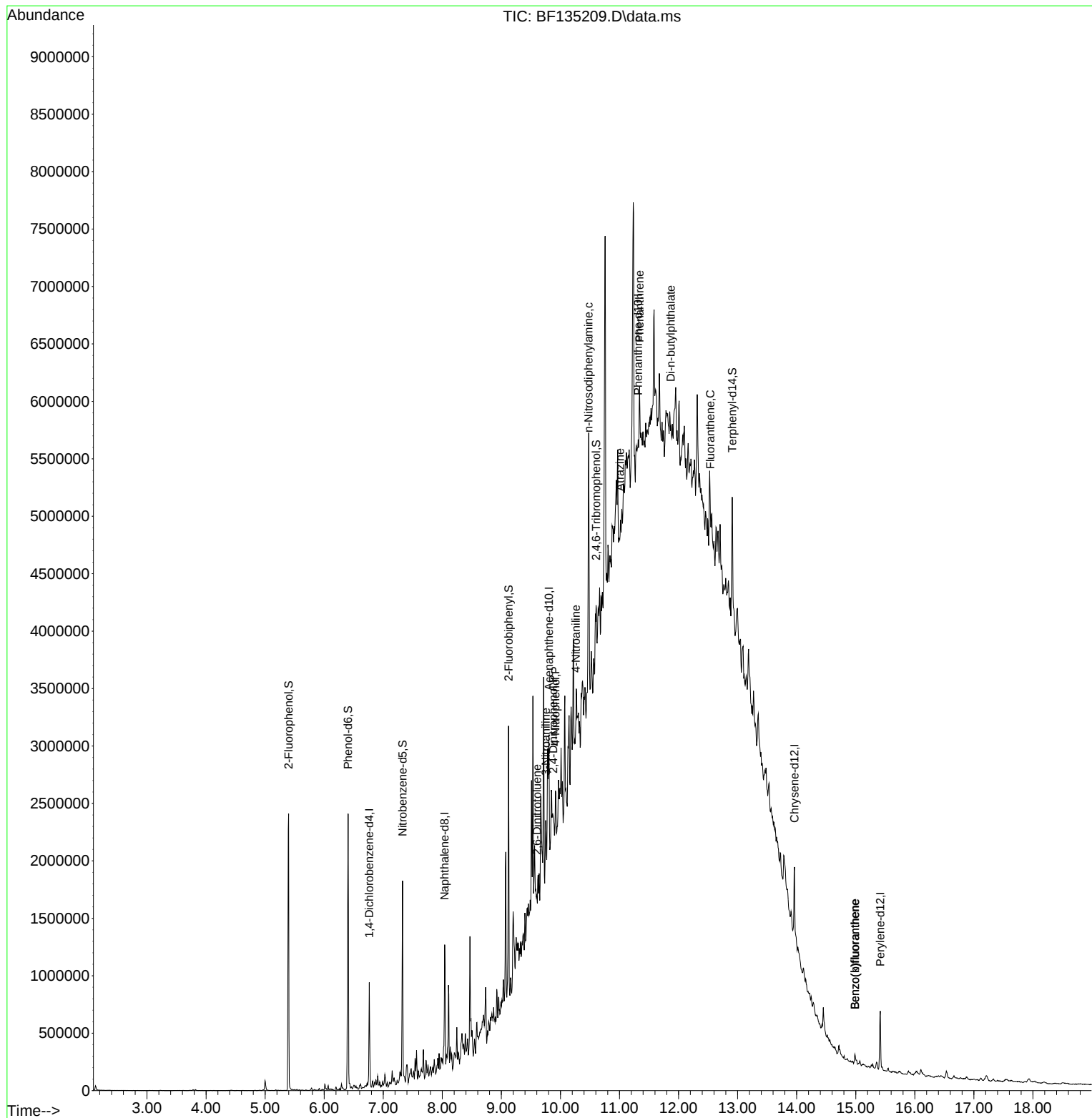
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	115232	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	406609	20.000	ng	# 0.00
39) Acenaphthene-d10	9.804	164	154828	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	157333	20.000	ng	# 0.02
76) Chrysene-d12	13.962	240	186151	20.000	ng	0.02
86) Perylene-d12	15.415	264	257317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	665648	93.953	ng	0.01
7) Phenol-d6	6.404	99	843265	93.604	ng	0.00
23) Nitrobenzene-d5	7.328	82	512784	68.516	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	125624	81.647	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	710035	69.189	ng	0.00
79) Terphenyl-d14	12.910	244	369728	30.789	ng	0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.604	165	8141	3.550	ng	# 25
53) 3-Nitroaniline	9.751	138	10323	3.835	ng	# 29
54) 2,4-Dinitrophenol	9.880	184	312	6.469	ng	# 1
56) 4-Nitrophenol	9.916	139	3640	2.128	ng	# 1
62) 4-Nitroaniline	10.263	138	21156	8.176	ng	# 84
66) n-Nitrosodiphenylamine	10.474	169	38726	8.130	ng	# 48
69) Atrazine	11.010	200	3792	2.959	ng	# 1
71) Phenanthrene	11.339	178	17863	2.401	ng	# 1
74) Di-n-butylphthalate	11.868	149	55617	6.779	ng	# 40
75) Fluoranthene	12.539	202	21699	2.799	ng	# 54
88) Benzo(b)fluoranthene	14.986	252	47589	3.416	ng	# 94
89) Benzo(k)fluoranthene	14.986	252	47589	3.459	ng	# 94

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

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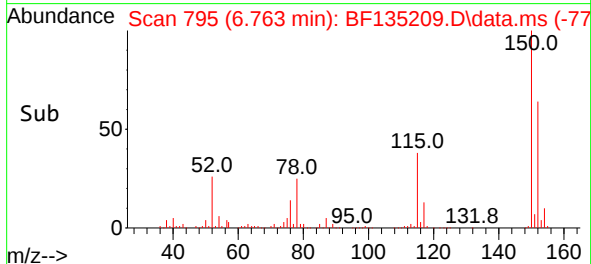
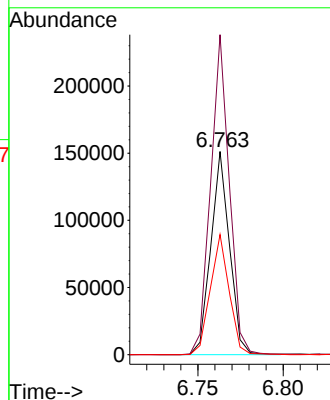
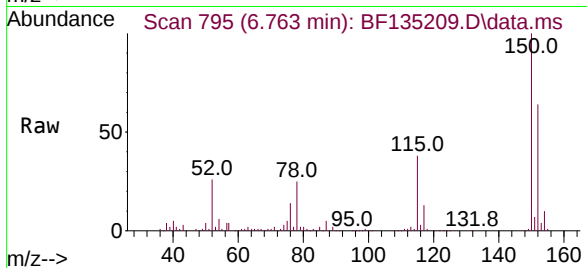




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

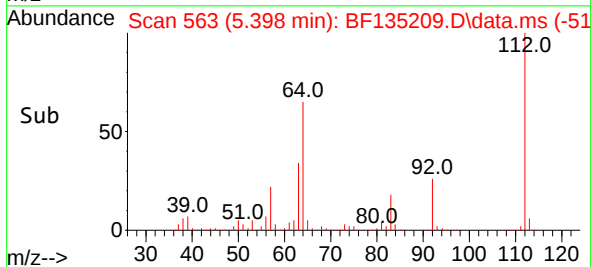
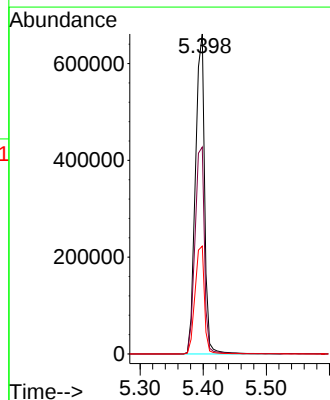
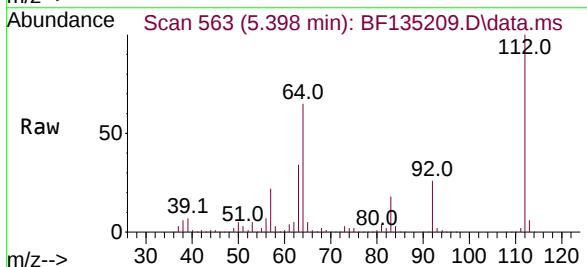
Instrument :
BNA_F
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WC-1

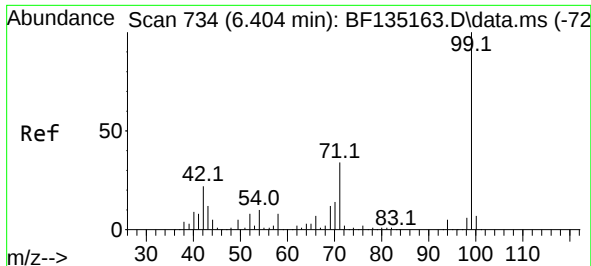
Tgt Ion:152 Resp: 115232
Ion Ratio Lower Upper
152 100
150 157.4 127.8 191.6
115 59.1 49.8 74.8



#5
2-Fluorophenol
Concen: 93.953 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:112 Resp: 665648
Ion Ratio Lower Upper
112 100
64 64.7 55.9 83.9
63 33.7 29.0 43.6

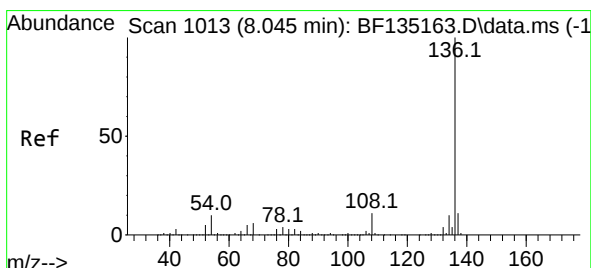
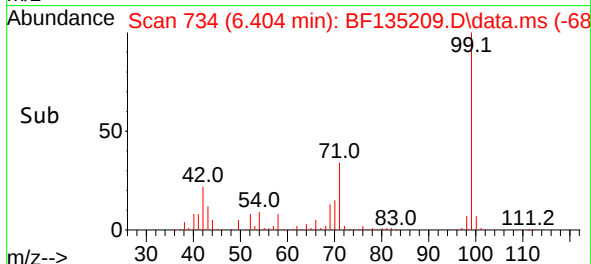
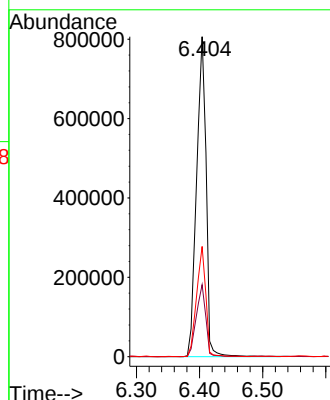
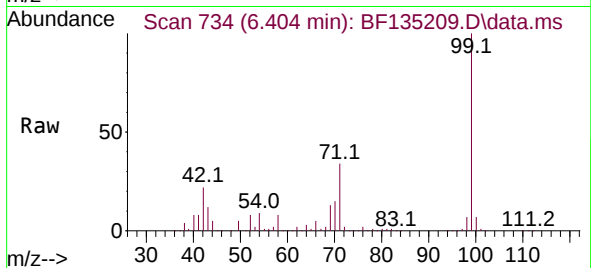




#7
Phenol-d6
Concen: 93.604 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

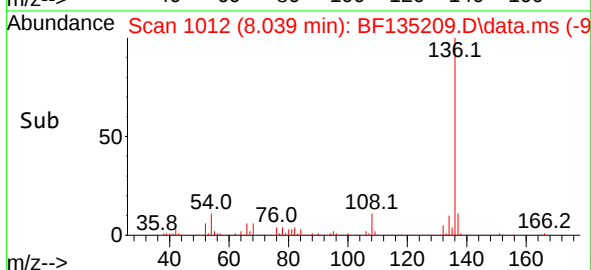
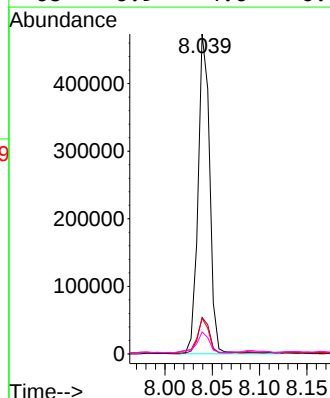
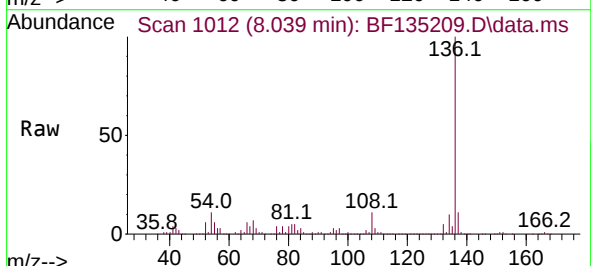
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 843265
Ion Ratio Lower Upper
99 100
42 22.5 17.9 26.9
71 34.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:136 Resp: 406609
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 11.1 7.7 11.5
68 6.9 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 68.516 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

WC-1

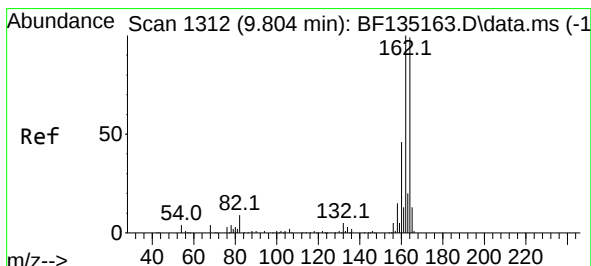
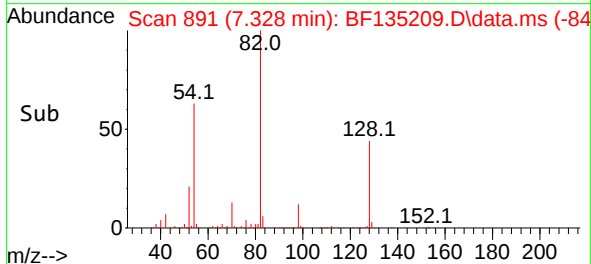
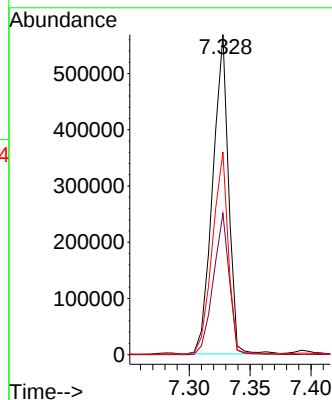
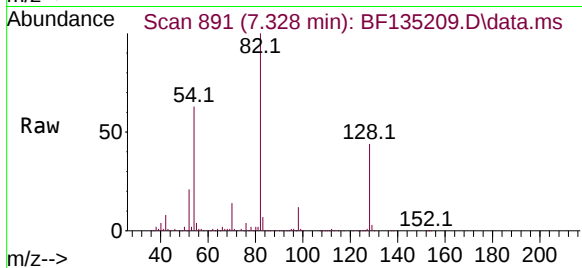
Tgt Ion: 82 Resp: 512784

Ion Ratio Lower Upper

82 100

128 44.2 35.8 53.6

54 63.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.000 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

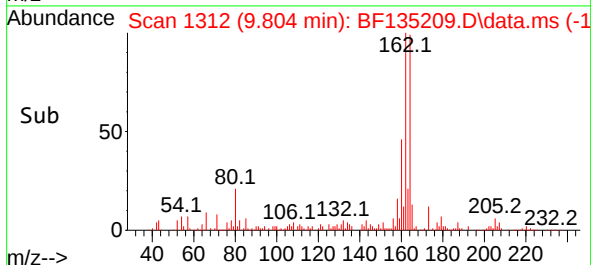
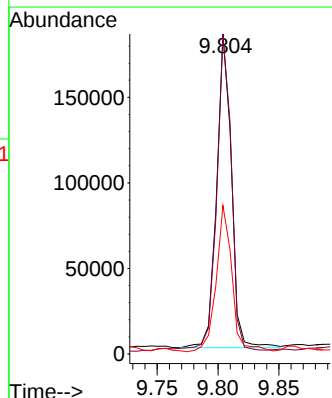
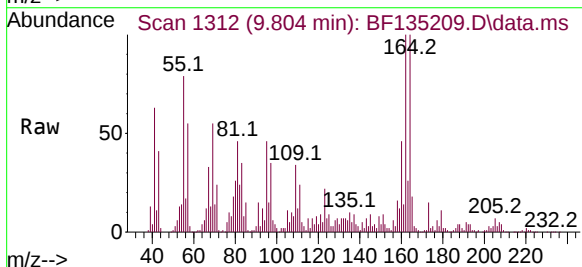
Tgt Ion: 164 Resp: 154828

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.4

160 46.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 81.647 ng

RT: 10.604 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

WC-1

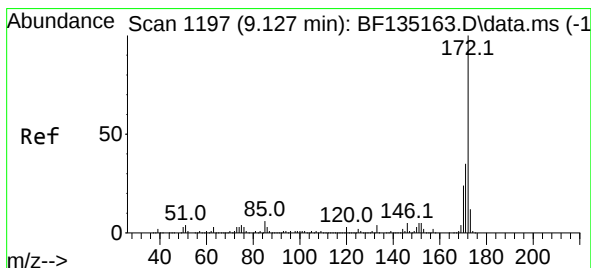
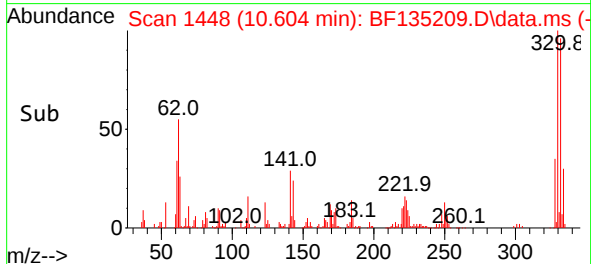
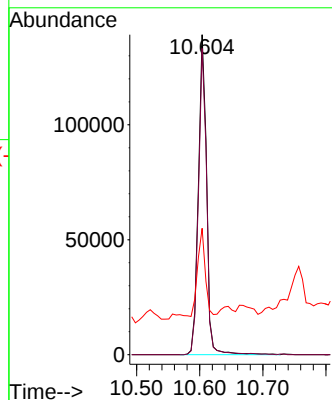
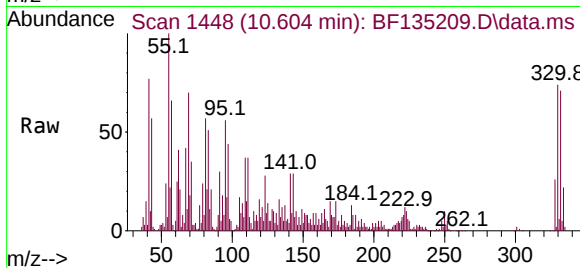
Tgt Ion:330 Resp: 125624

Ion Ratio Lower Upper

330 100

332 94.7 77.3 115.9

141 25.2 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 69.189 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

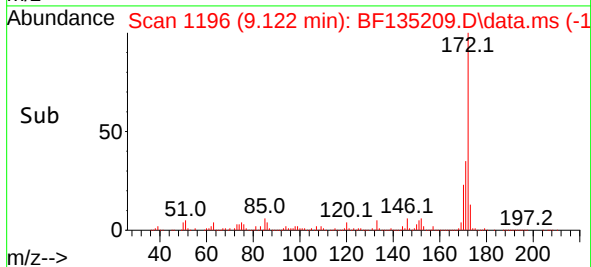
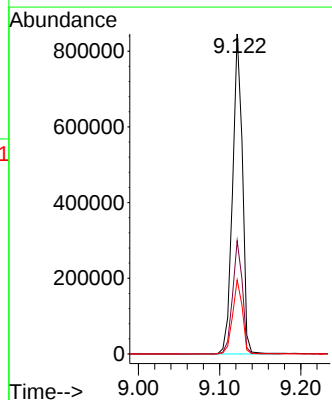
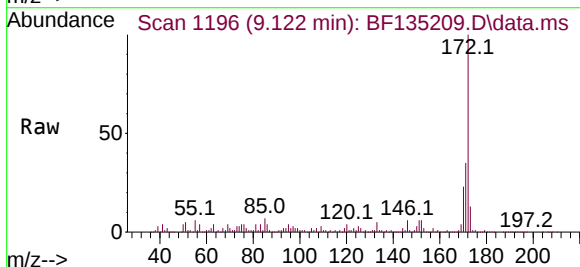
Tgt Ion:172 Resp: 710035

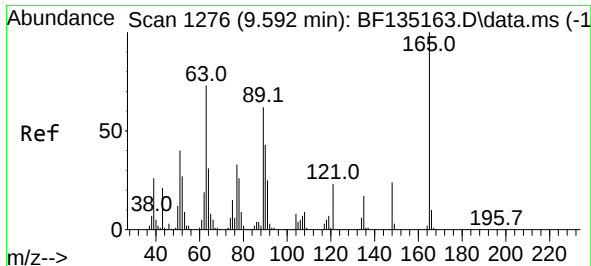
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.1 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 3.550 ng

RT: 9.604 min Scan# 1303

Delta R.T. 0.012 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

WC-1

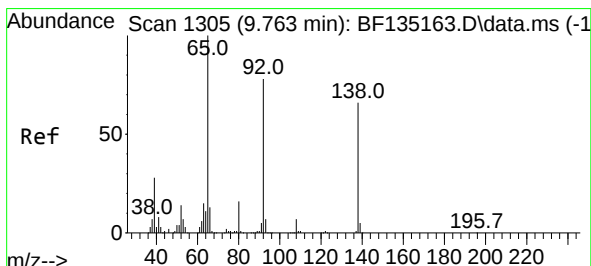
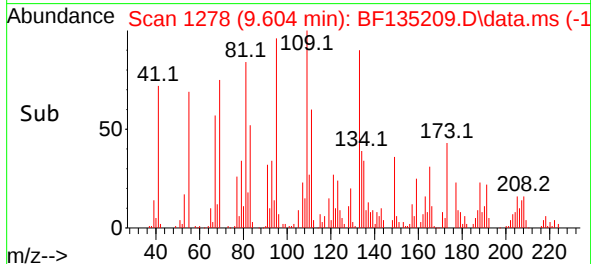
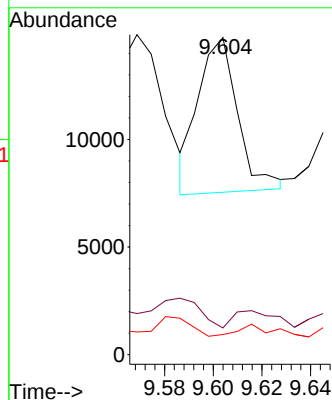
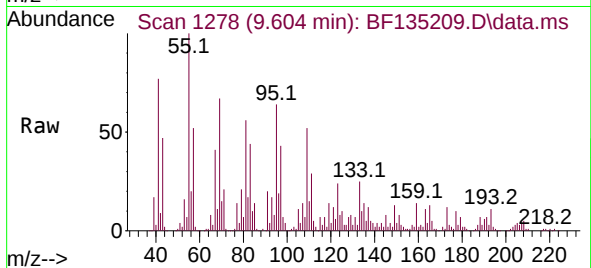
Tgt Ion:165 Resp: 8141

Ion Ratio Lower Upper

165 100

63 8.4 59.4 89.2#

89 6.4 49.8 74.8#



#53

3-Nitroaniline

Concen: 3.835 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.012 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

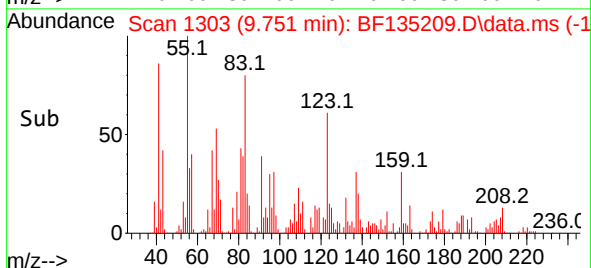
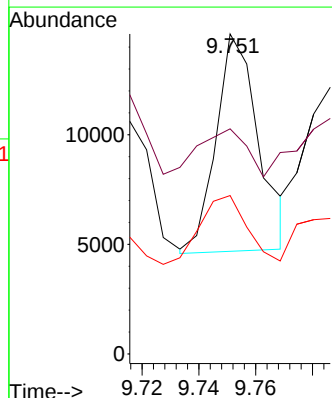
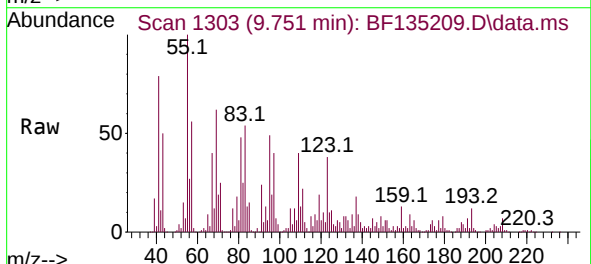
Tgt Ion:138 Resp: 10323

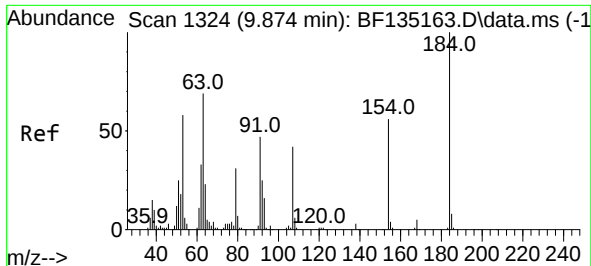
Ion Ratio Lower Upper

138 100

108 70.4 8.5 12.7#

92 49.5 95.4 143.0#

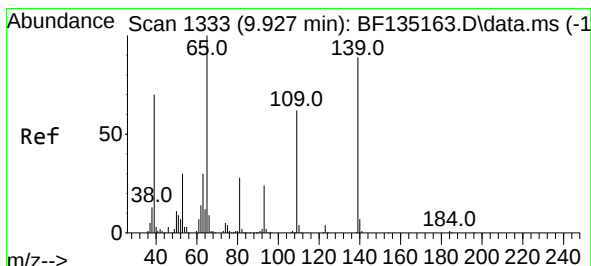
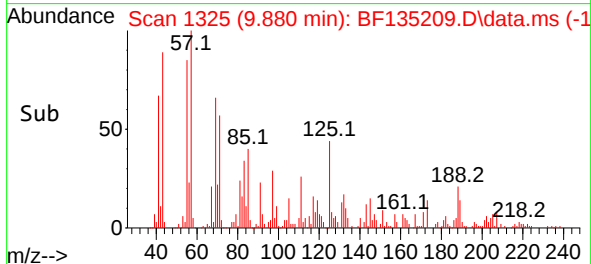
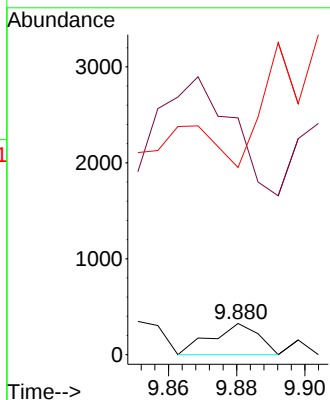
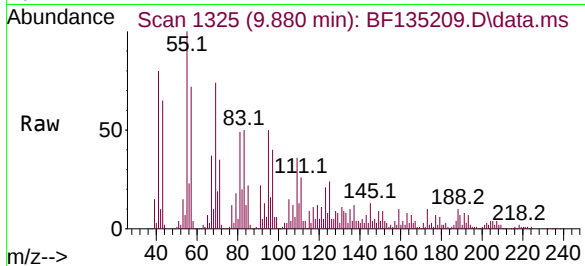




#54
2,4-Dinitrophenol
Concen: 6.469 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

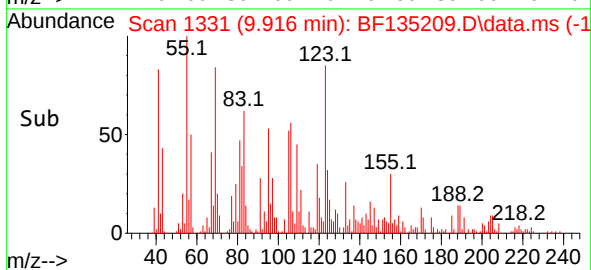
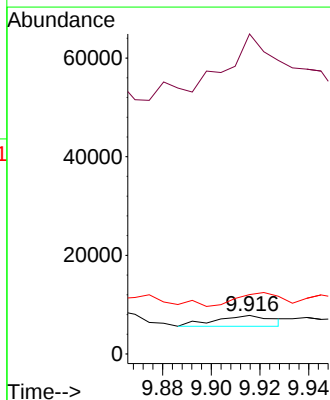
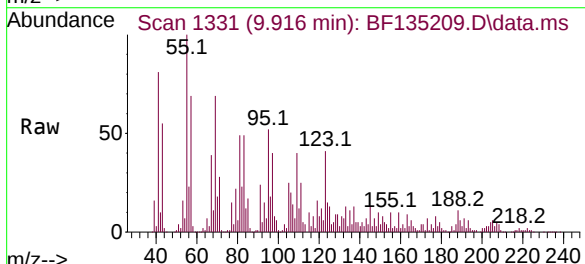
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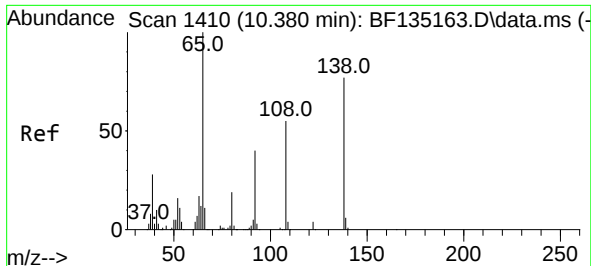
Tgt Ion:184 Resp: 312
Ion Ratio Lower Upper
184 100
63 757.4 55.1 82.7#
154 598.8 48.4 72.6#



#56
4-Nitrophenol
Concen: 2.128 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:139 Resp: 3640
Ion Ratio Lower Upper
139 100
109 830.8 49.8 89.8#
65 154.4 92.7 132.7#

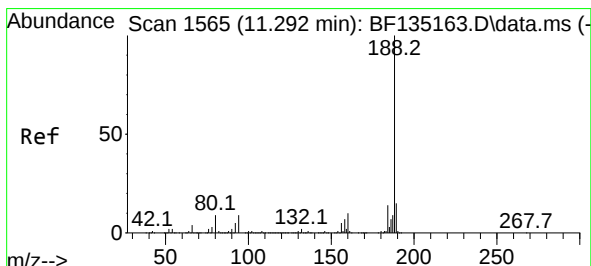
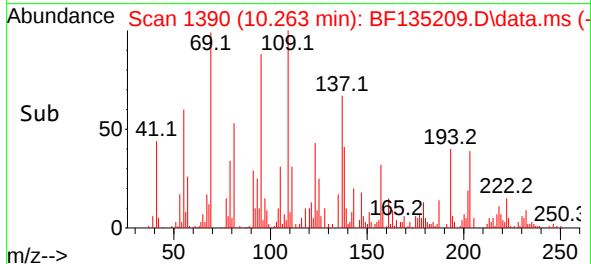
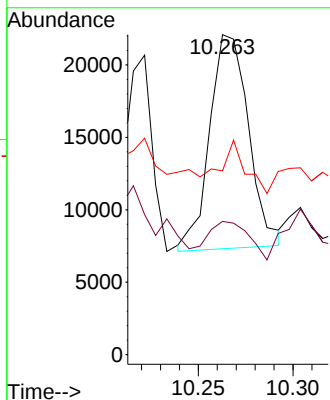
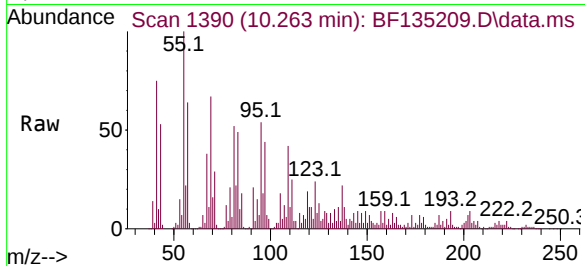




#62
4-Nitroaniline
Concen: 8.176 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

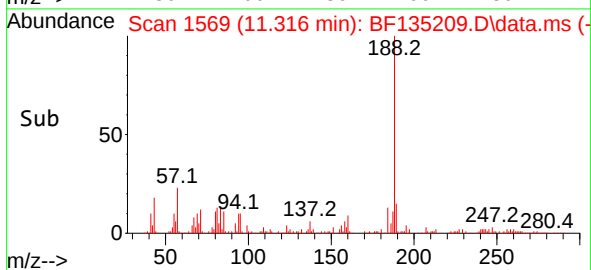
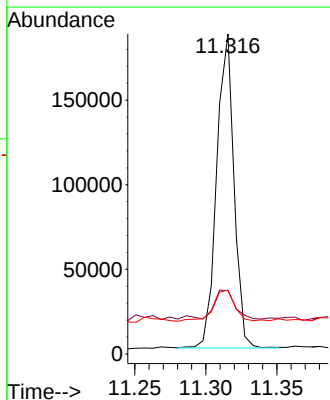
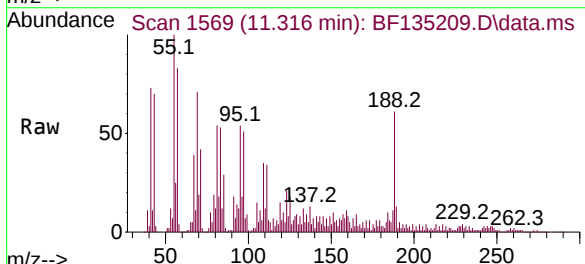
Instrument :
BNA_F
ClientSampleId :
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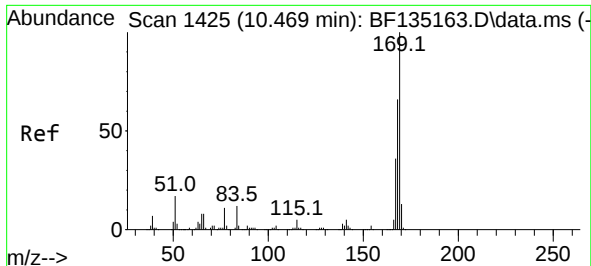
Tgt Ion:138 Resp: 21156
Ion Ratio Lower Upper
138 100
92 41.7 31.8 71.8
108 57.5 52.0 92.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.024 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:188 Resp: 157333
Ion Ratio Lower Upper
188 100
94 19.8 7.0 10.6#
80 20.0 7.5 11.3#

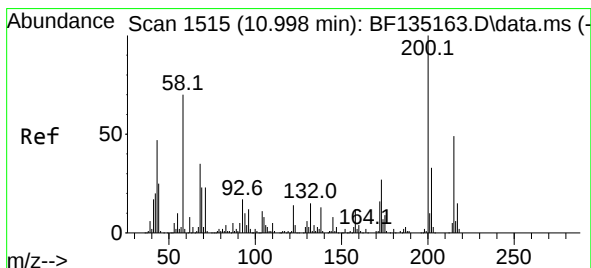
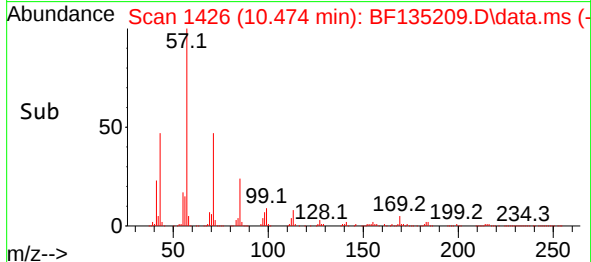
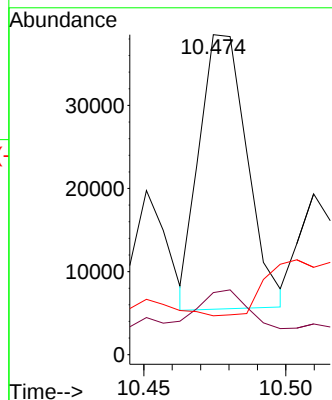
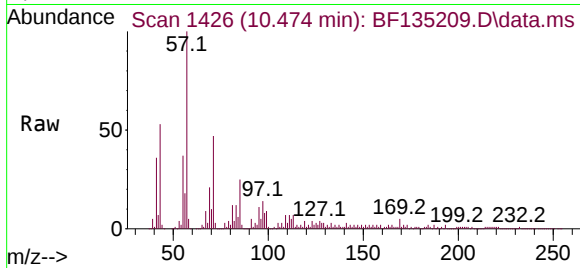




#66
n-Nitrosodiphenylamine
Concen: 8.130 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

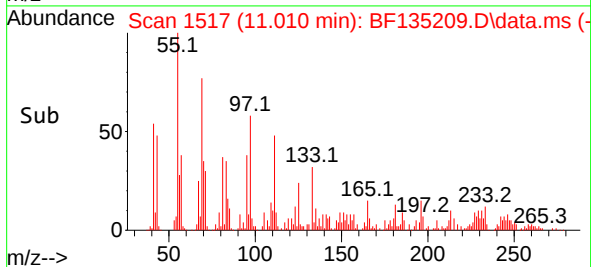
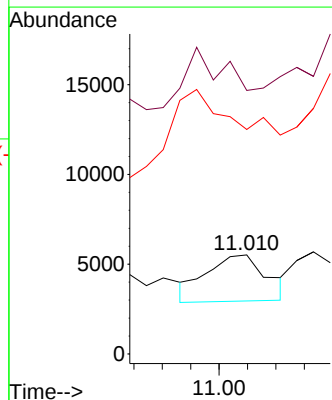
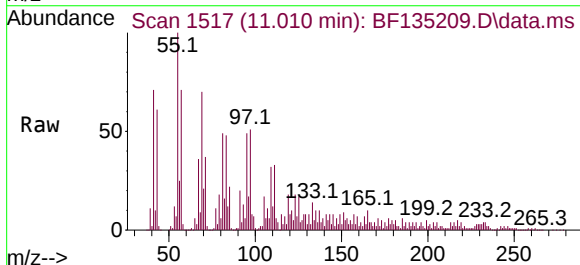
Instrument :
BNA_F
ClientSampleId :
WC-1

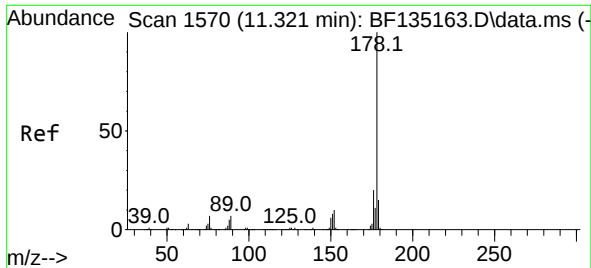
Tgt Ion:169 Resp: 38726
Ion Ratio Lower Upper
169 100
168 19.4 52.8 79.2#
167 12.2 29.0 43.6#



#69
Atrazine
Concen: 2.959 ng
RT: 11.010 min Scan# 1517
Delta R.T. 0.012 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:200 Resp: 3792
Ion Ratio Lower Upper
200 100
173 266.1 7.4 47.4#
215 226.7 28.6 68.6#

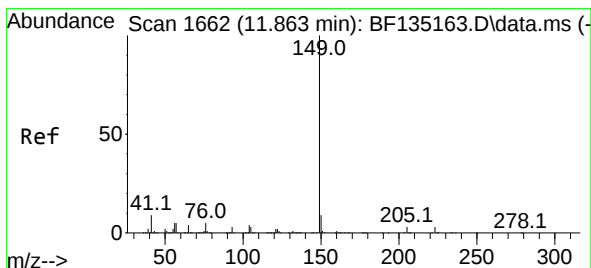
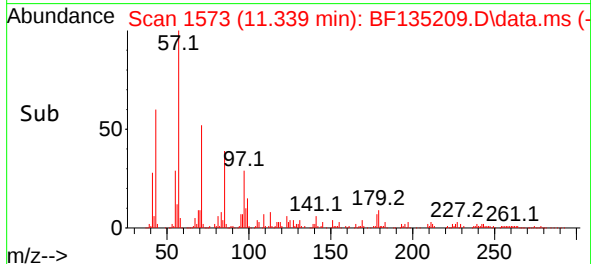
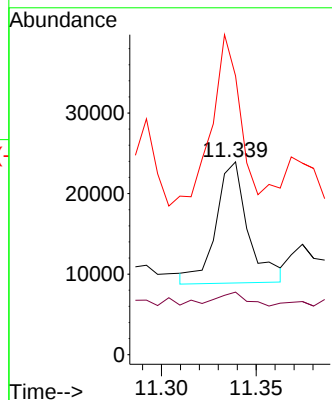
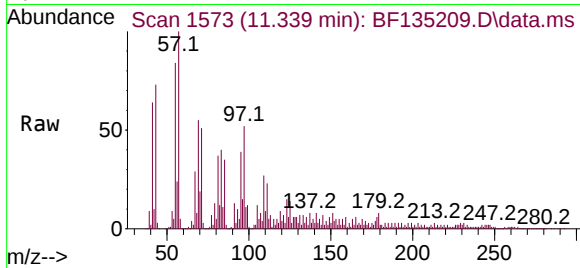




#71
Phenanthrene
Concen: 2.401 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.018 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

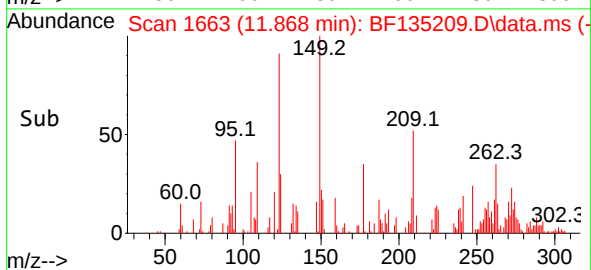
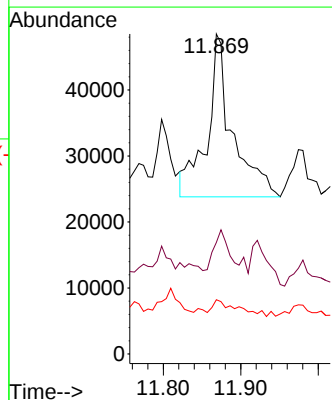
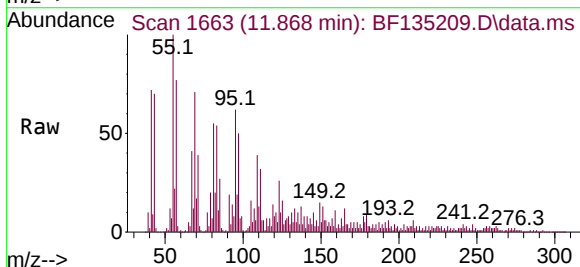
Instrument :
BNA_F
ClientSampleId :
WC-1

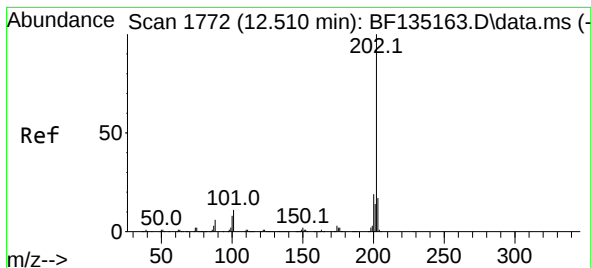
Tgt Ion:178 Resp: 17863
Ion Ratio Lower Upper
178 100
176 32.5 15.6 23.4#
179 144.6 12.0 18.0#



#74
Di-n-butylphthalate
Concen: 6.779 ng
RT: 11.868 min Scan# 1663
Delta R.T. 0.006 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:149 Resp: 55617
Ion Ratio Lower Upper
149 100
150 34.8 7.4 11.0#
104 17.0 3.6 5.4#





#75

Fluoranthene

Concen: 2.799 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

Instrument :

BNA_F

ClientSampleId :

WC-1

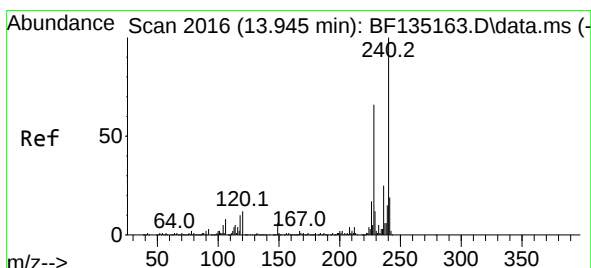
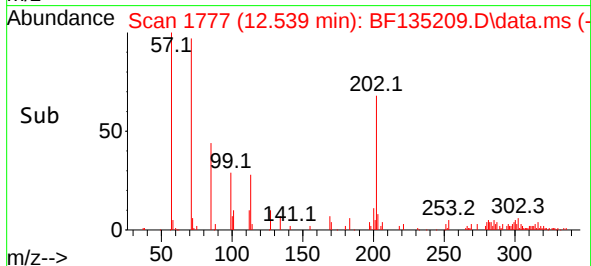
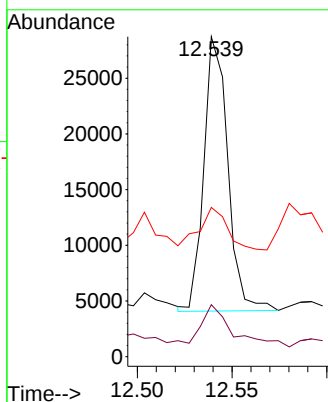
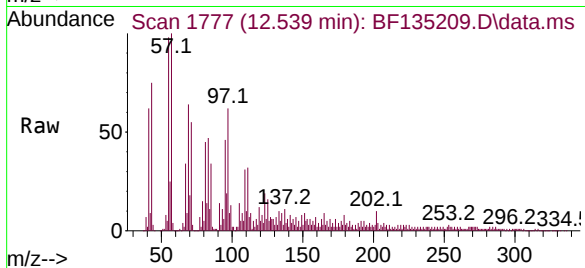
Tgt Ion:202 Resp: 21699

Ion Ratio Lower Upper

202 100

101 16.3 0.0 31.3

203 46.7 0.0 37.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. 0.018 min

Lab File: BF135209.D

Acq: 13 Sep 2023 06:35

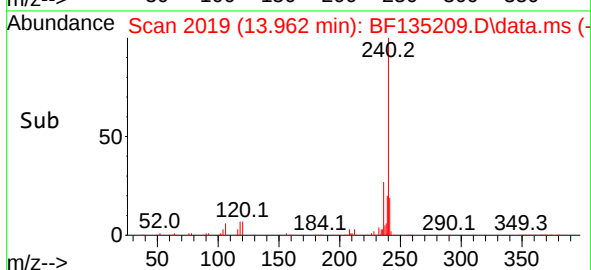
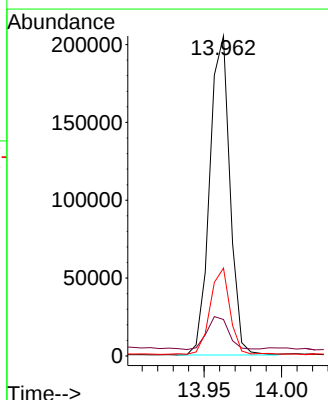
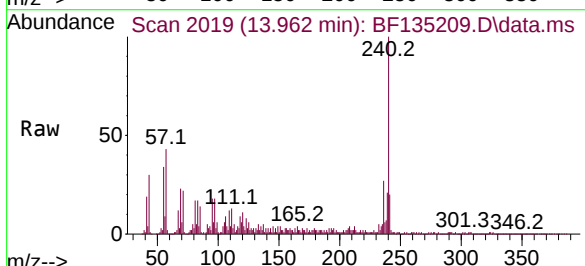
Tgt Ion:240 Resp: 186151

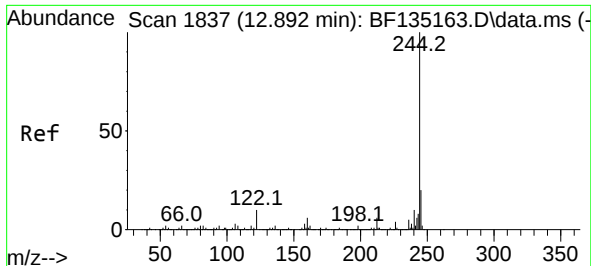
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 27.4 19.8 29.8

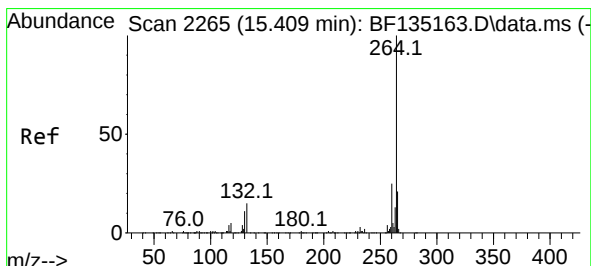
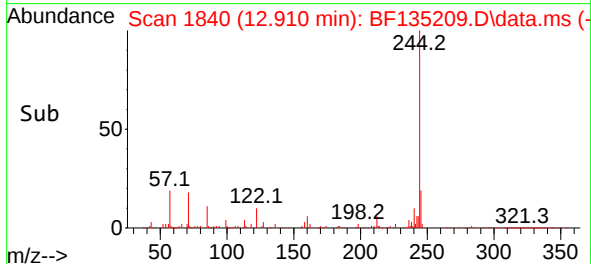
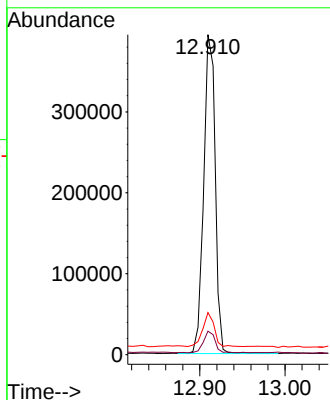
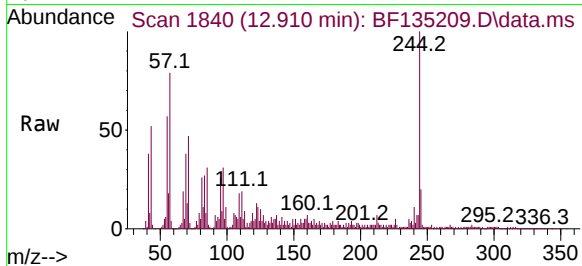




#79
 Terphenyl-d14
 Concen: 30.789 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. 0.018 min
 Lab File: BF135209.D
 Acq: 13 Sep 2023 06:35

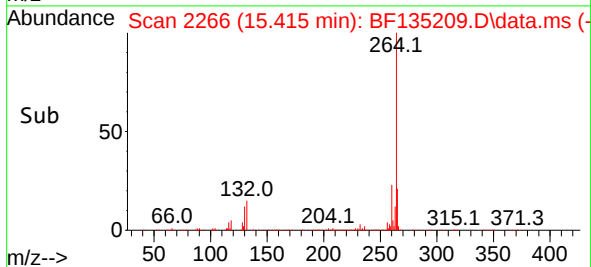
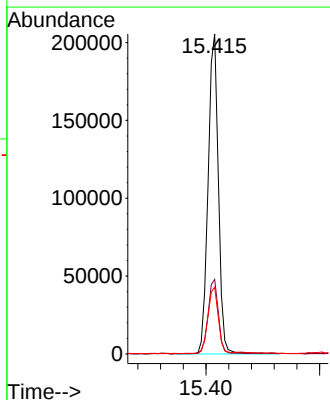
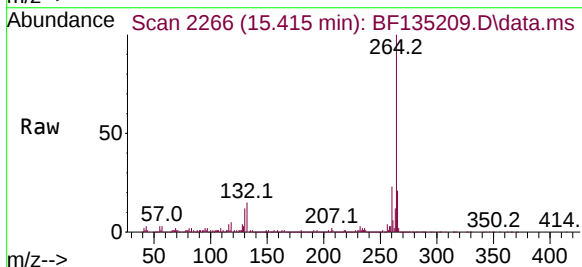
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

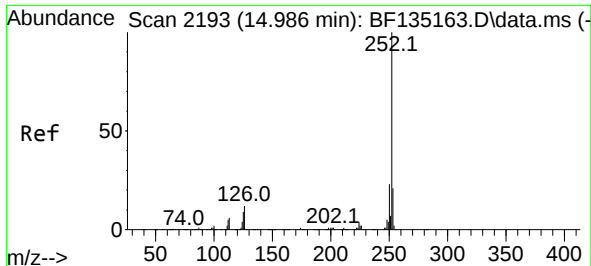
Tgt Ion:244 Resp: 369728
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.1 7.7
 122 13.2 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. 0.006 min
 Lab File: BF135209.D
 Acq: 13 Sep 2023 06:35

Tgt Ion:264 Resp: 257317
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.8 29.6
 265 20.8 17.0 25.4

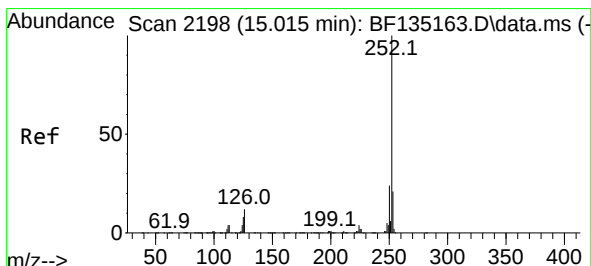
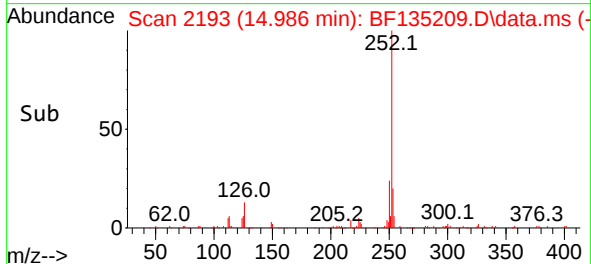
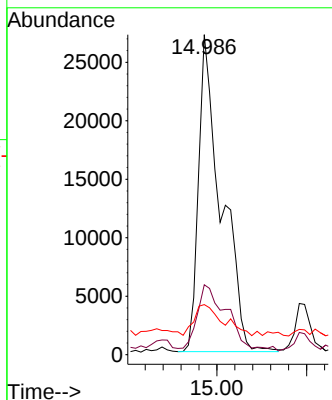
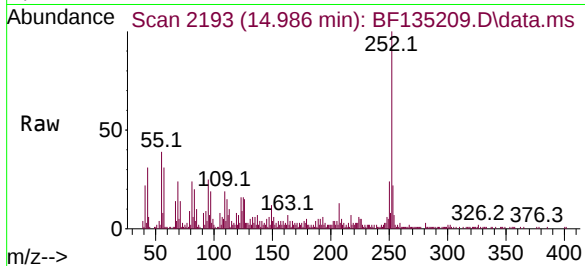




#88
Benzo(b)fluoranthene
Concen: 3.416 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 47589
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 15.7 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 3.459 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF135209.D
Acq: 13 Sep 2023 06:35

Tgt Ion:252 Resp: 47589
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 15.7 7.2 10.8#

