

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135517.D
 Acq On : 29 Sep 2023 15:43
 Operator : CG\JU
 Sample : 04638-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Quant Time: Sep 30 00:22:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

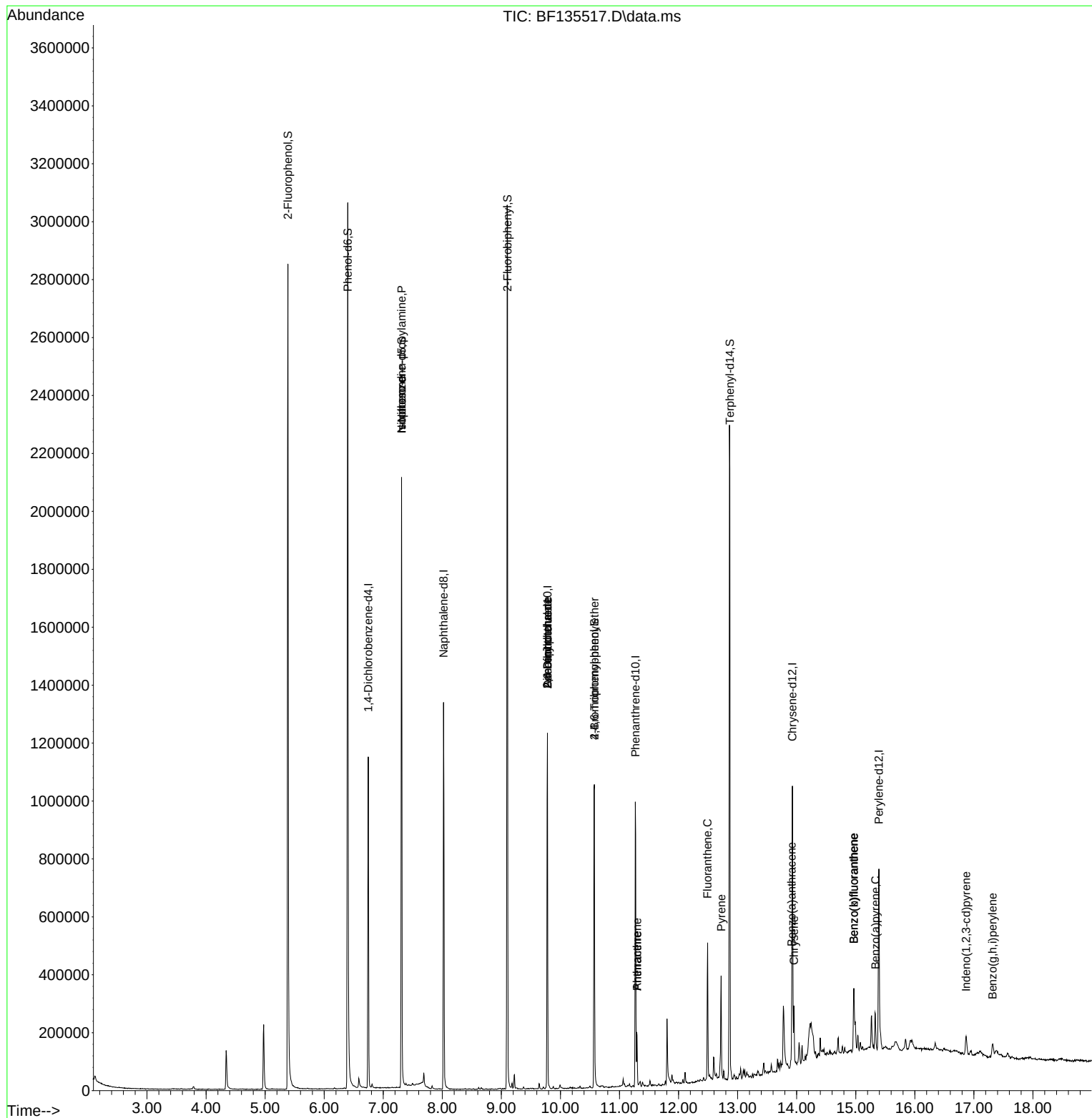
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	156510	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	563585	20.000	ng	# 0.00
39) Acenaphthene-d10	9.781	164	239688	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	366369	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	288322	20.000	ng	0.00
86) Perylene-d12	15.392	264	290189	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	794594	82.574	ng	0.00
7) Phenol-d6	6.398	99	1004599	82.102	ng	0.00
23) Nitrobenzene-d5	7.310	82	623332	60.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	122498	51.428	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1032916	65.017	ng	0.00
79) Terphenyl-d14	12.869	244	824485	44.329	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	80500	10.622	ng	# 82
25) Isophorone	7.310	82	623327	32.723	ng	# 65
50) Dimethylphthalate	9.781	163	47601	2.937	ng	# 1
51) 2,6-Dinitrotoluene	9.781	165	30364	8.553	ng	# 17
57) 2,4-Dinitrotoluene	9.781	165	30364	6.832	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	8502	2.333	ng	# 1
71) Phenanthrene	11.298	178	69865	4.032	ng	98
72) Anthracene	11.298	178	69865	3.923	ng	98
75) Fluoranthene	12.492	202	177136	9.811	ng	98
78) Pyrene	12.722	202	143995	5.246	ng	98
81) Benzo(a)anthracene	13.916	228	63577	3.415	ng	98
83) Chrysene	13.957	228	84528	4.567	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	42215	2.219	ng	99
88) Benzo(b)fluoranthene	14.968	252	153856	9.794	ng	# 96
89) Benzo(k)fluoranthene	14.968	252	153856	9.915	ng	# 96
90) Benzo(a)pyrene	15.333	252	64254	4.289	ng	98
92) Benzo(g,h,i)perylene	17.315	276	38849	2.389	ng	# 91

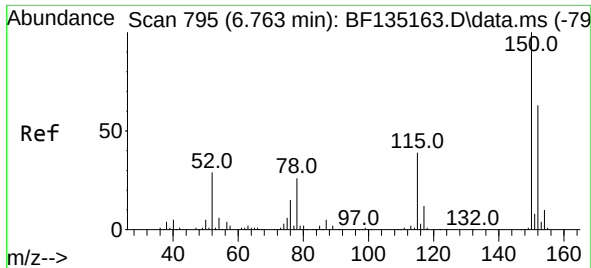
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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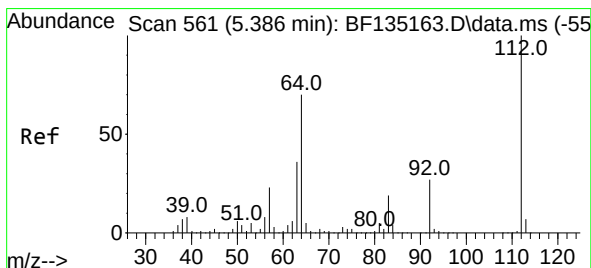
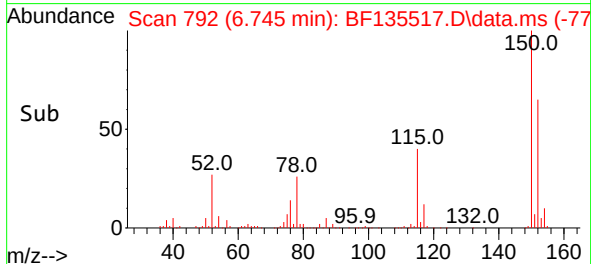
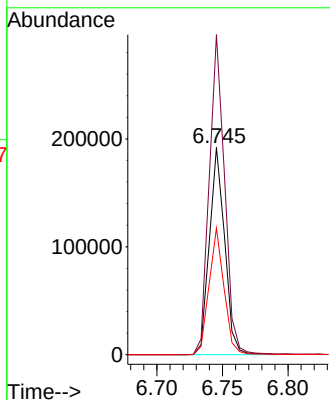
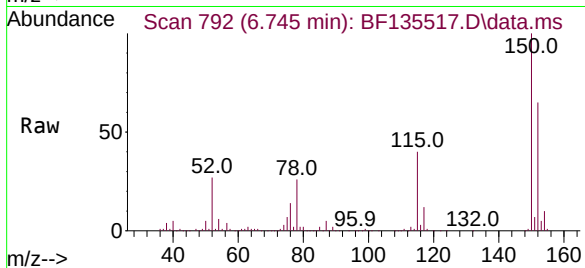




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

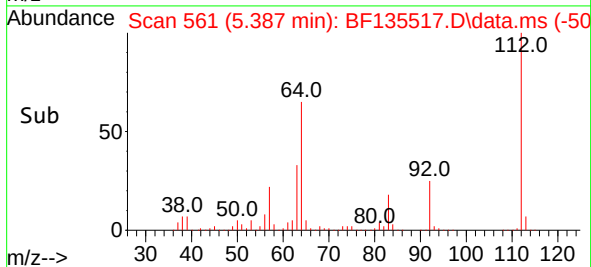
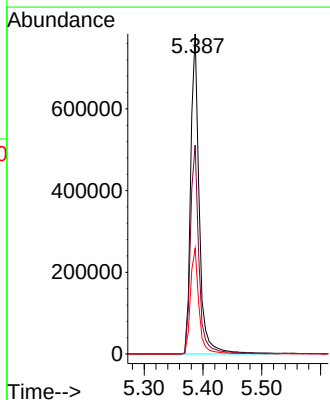
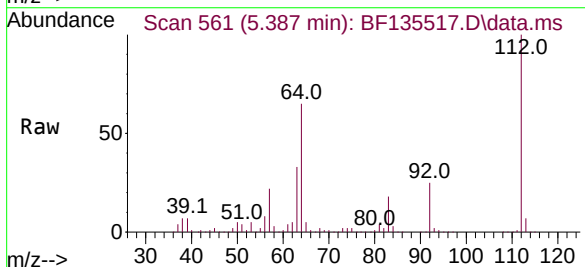
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

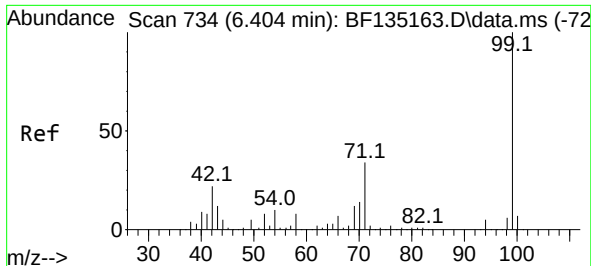
Tgt Ion:152 Resp: 156510
Ion Ratio Lower Upper
152 100
150 154.3 127.8 191.6
115 61.1 49.8 74.8



#5
2-Fluorophenol
Concen: 82.574 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:112 Resp: 794594
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.0 29.0 43.6

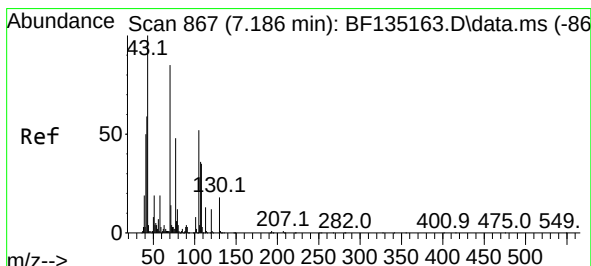
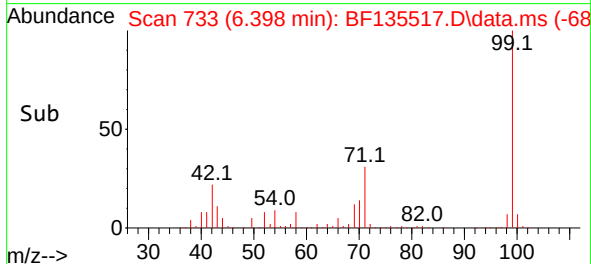
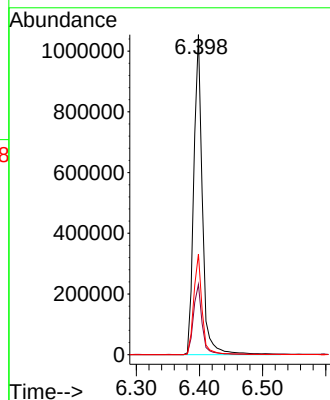
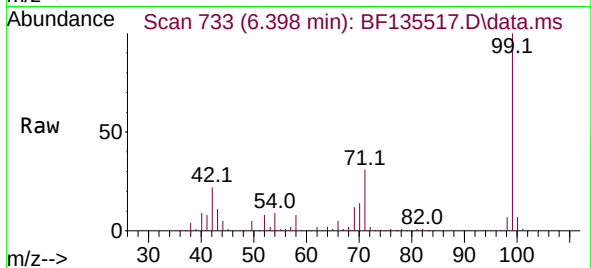




#7
Phenol-d6
Concen: 82.102 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

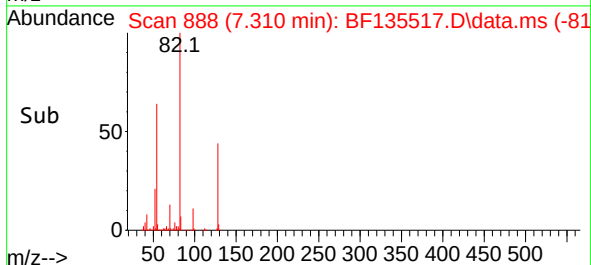
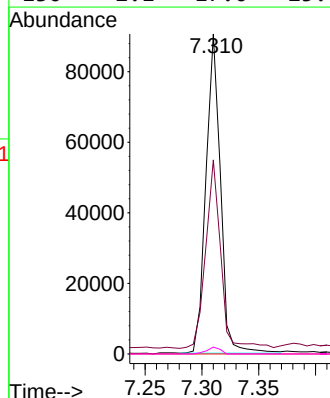
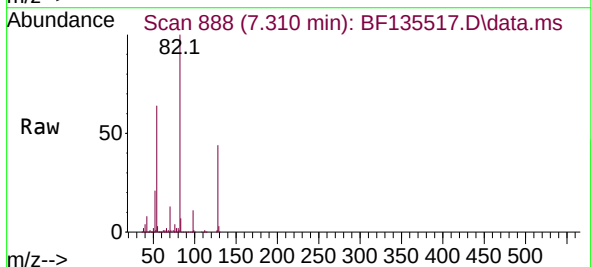
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

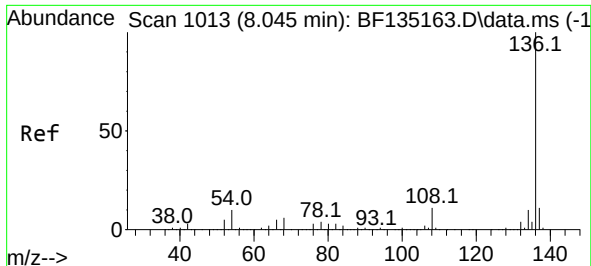
Tgt Ion: 99 Resp: 1004599
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 31.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.622 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion: 70 Resp: 80500
Ion Ratio Lower Upper
70 100
42 60.7 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

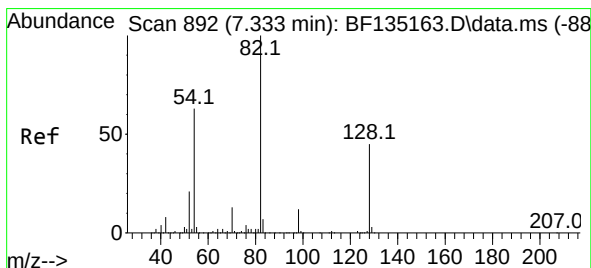
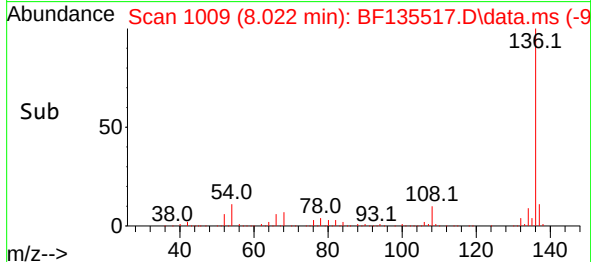
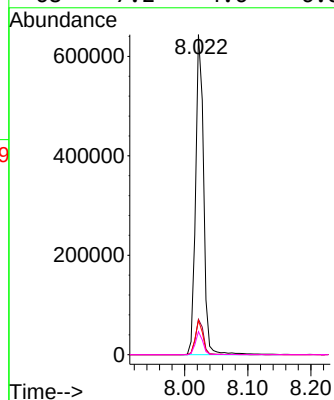
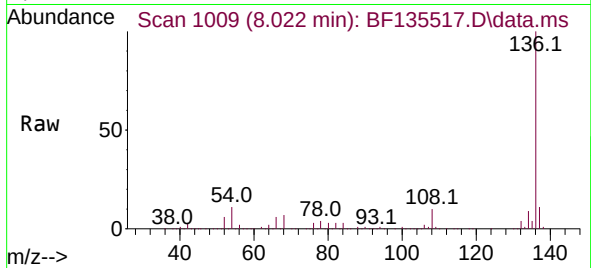




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

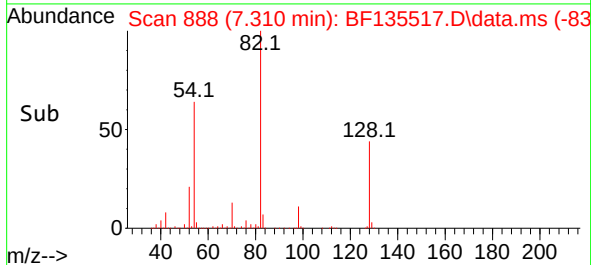
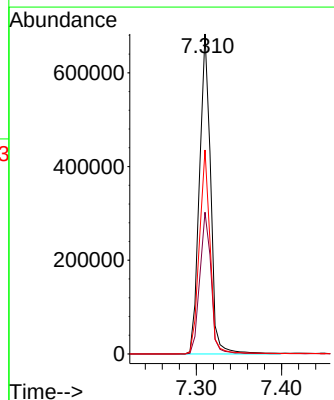
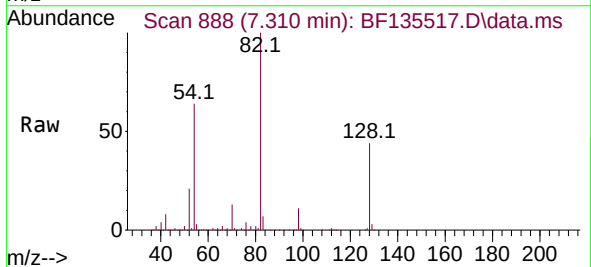
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

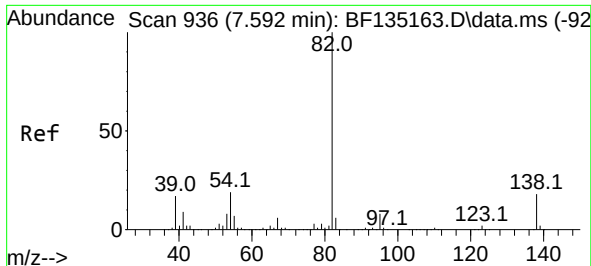
Tgt Ion:136 Resp: 563585
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.8 7.7 11.5
68 7.2 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 60.089 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion: 82 Resp: 623332
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 63.8 50.6 76.0

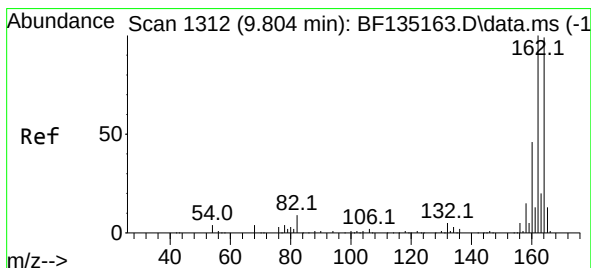
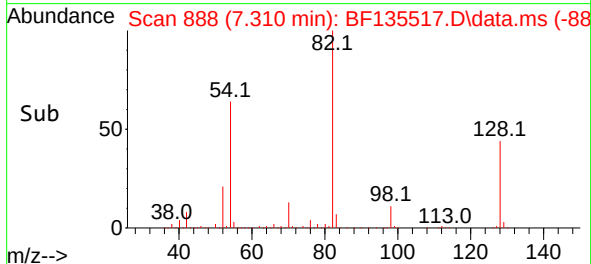
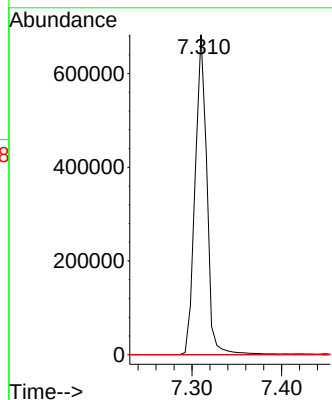
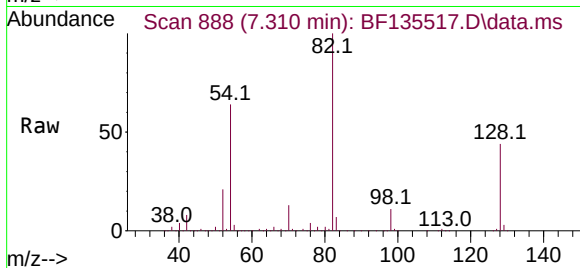




#25
Isophorone
Concen: 32.723 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

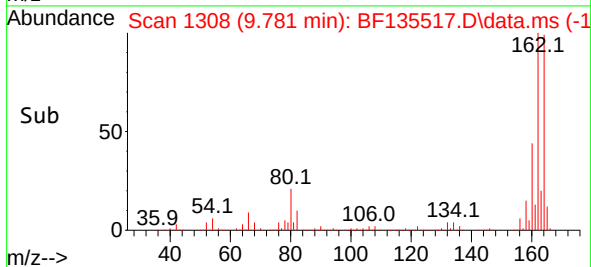
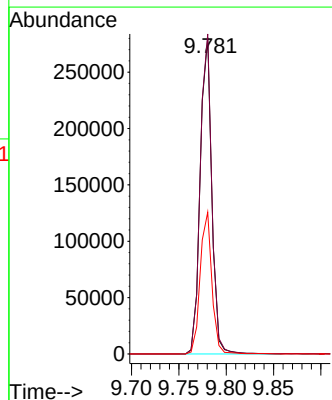
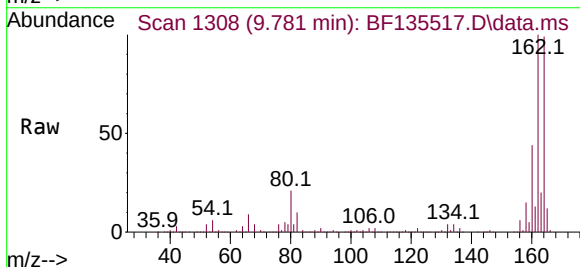
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CONC-WC-1

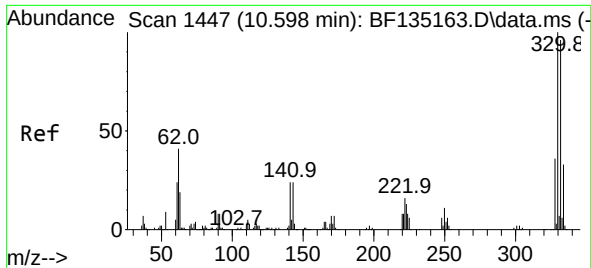
Tgt Ion: 82 Resp: 623327
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:164 Resp: 239688
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 44.8 37.0 55.4

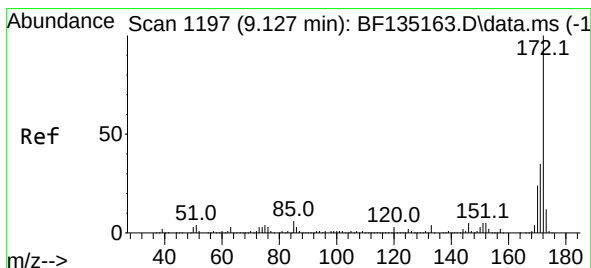
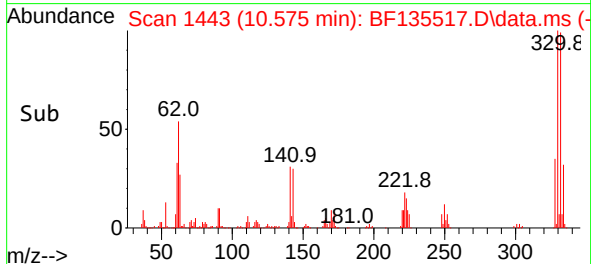
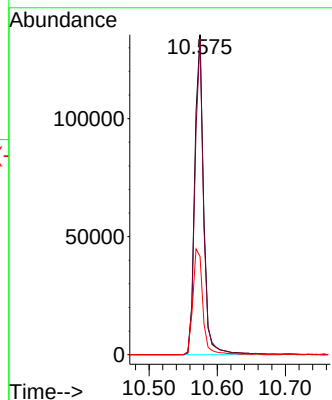
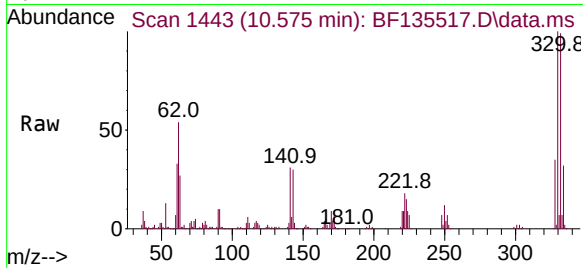




#42
2,4,6-Tribromophenol
Concen: 51.428 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

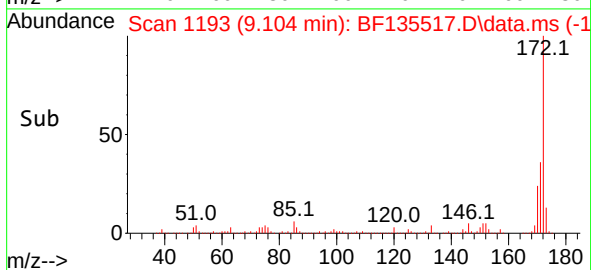
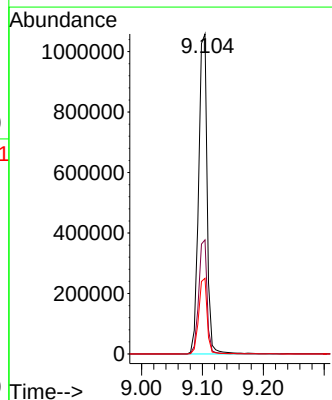
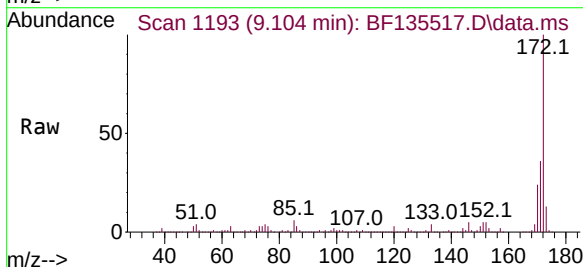
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CONC-WC-1

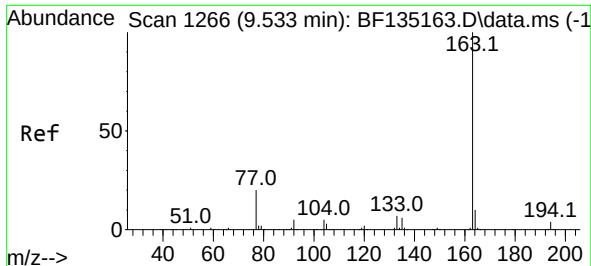
Tgt Ion:330 Resp: 122498
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 37.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 65.017 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:172 Resp: 1032916
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.7 19.0 28.4

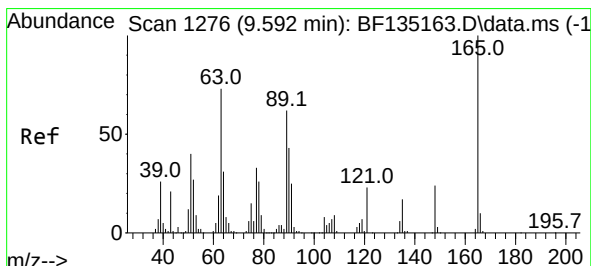
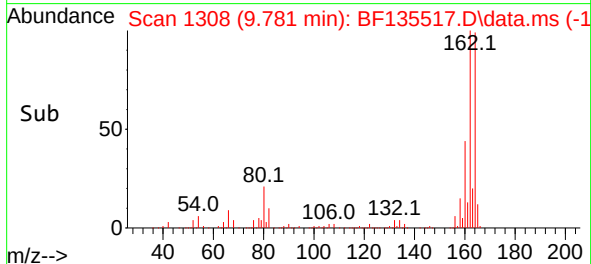
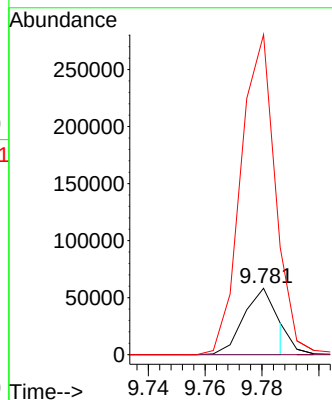
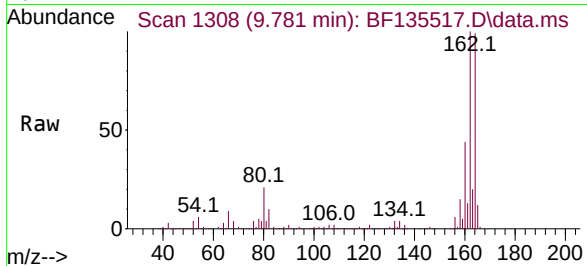




#50
Dimethylphthalate
Concen: 2.937 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

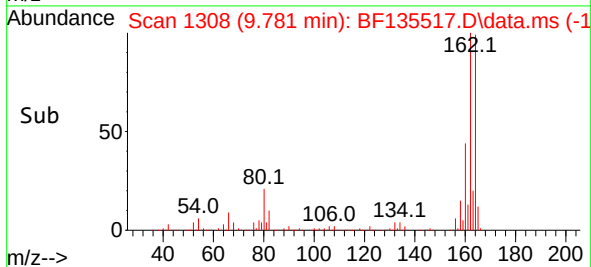
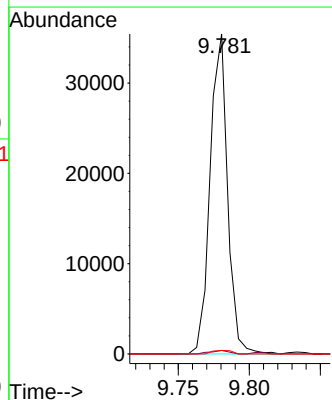
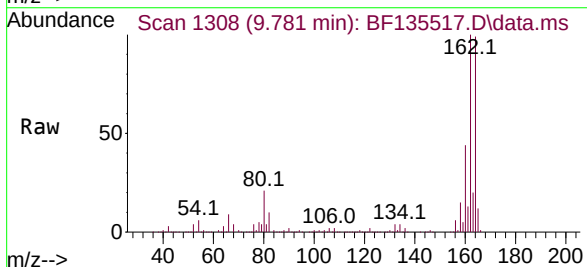
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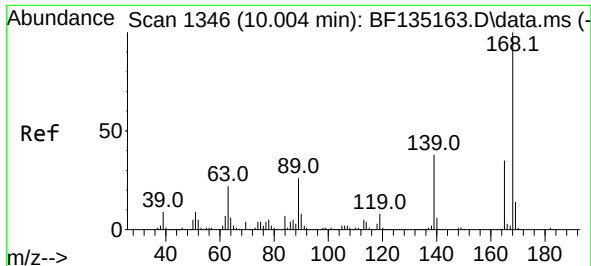
Tgt Ion:163 Resp: 47601
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 482.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.553 ng
RT: 9.781 min Scan# 1308
Delta R.T. 0.194 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:165 Resp: 30364
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.1 49.8 74.8#

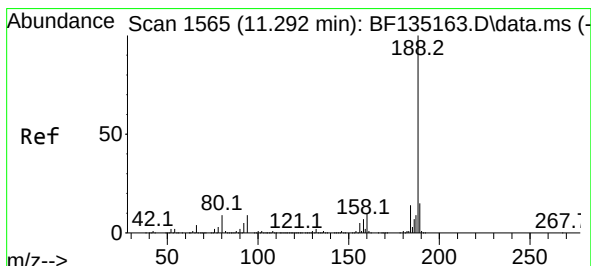
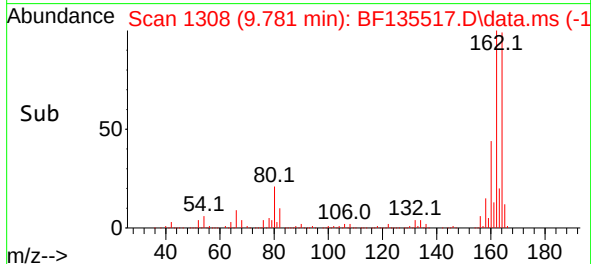
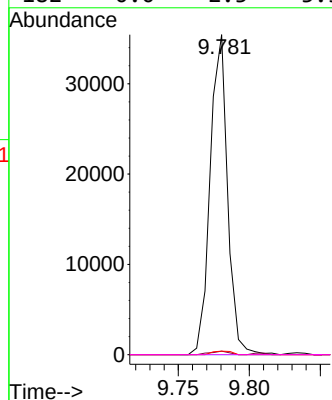
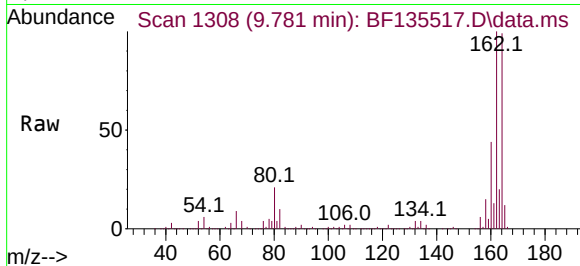




#57
2,4-Dinitrotoluene
Concen: 6.832 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

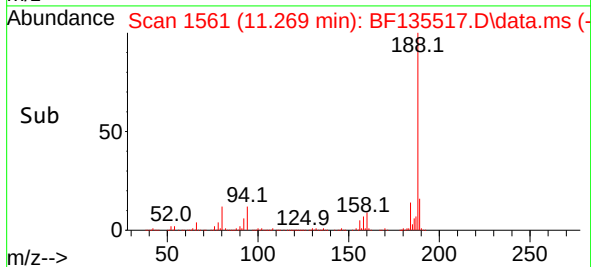
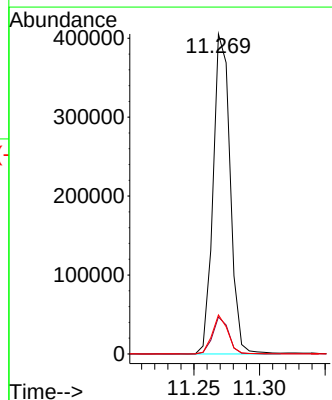
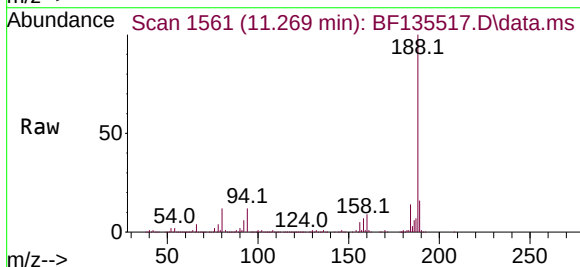
Instrument :
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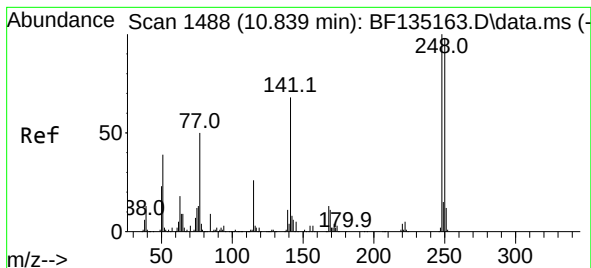
Tgt Ion:165 Resp: 30364
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:188 Resp: 366369
Ion Ratio Lower Upper
188 100
94 11.6 7.0 10.6#
80 12.2 7.5 11.3#

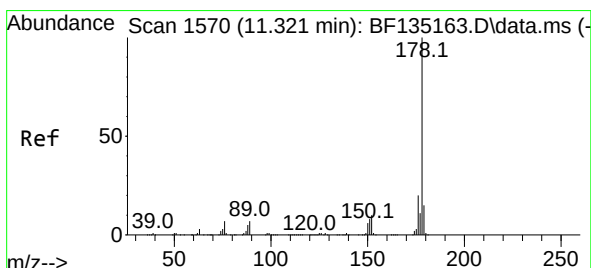
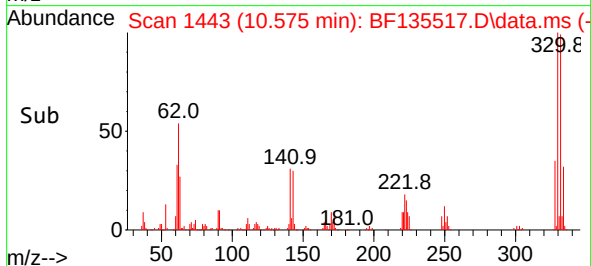
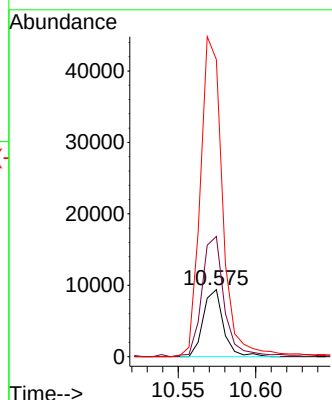
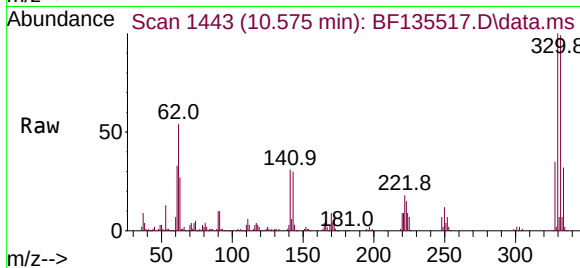




#67
4-Bromophenyl-phenylether
Concen: 2.333 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

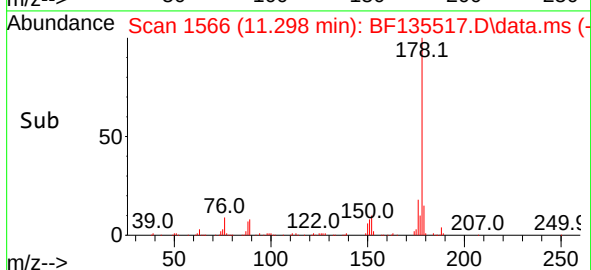
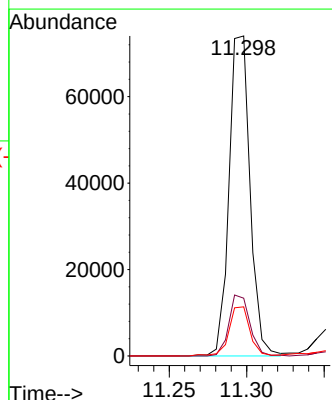
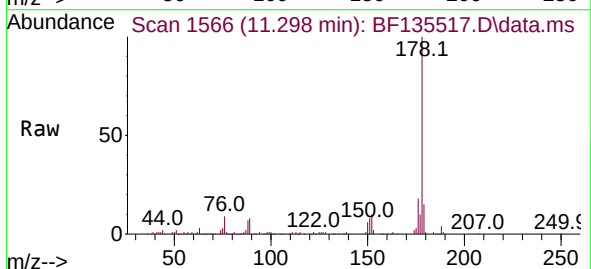
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

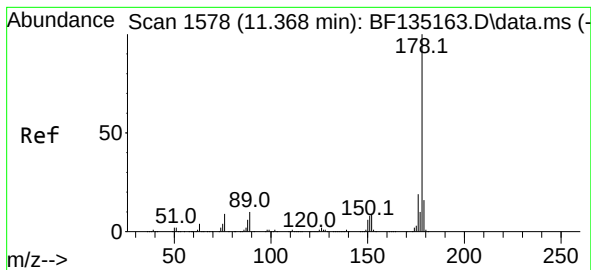
Tgt Ion:248 Resp: 8502
Ion Ratio Lower Upper
248 100
250 178.9 78.6 117.8#
141 442.8 54.2 81.2#



#71
Phenanthrene
Concen: 4.032 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:178 Resp: 69865
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.3 12.0 18.0





#72

Anthracene

Concen: 3.923 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

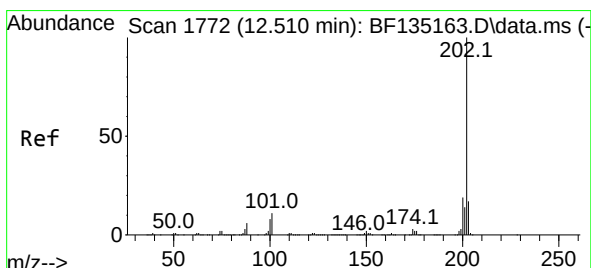
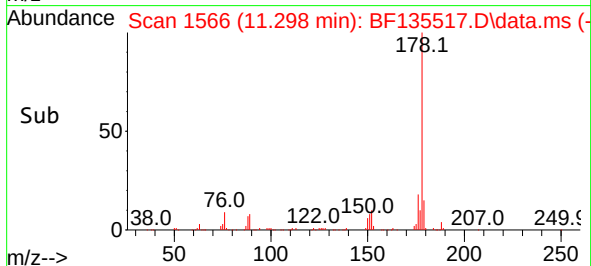
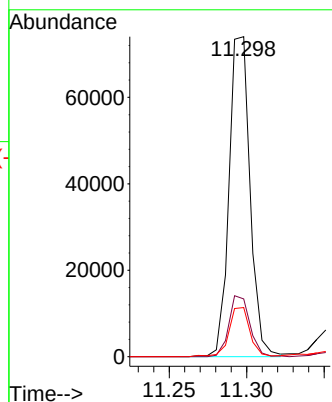
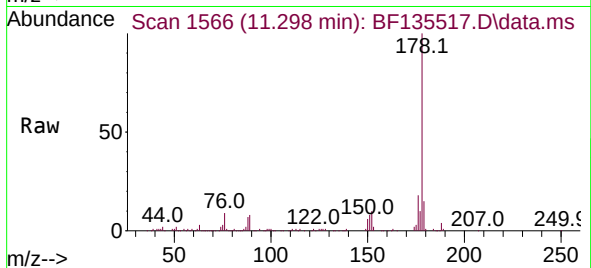
Tgt Ion:178 Resp: 69865

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.3 12.6 19.0



#75

Fluoranthene

Concen: 9.811 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

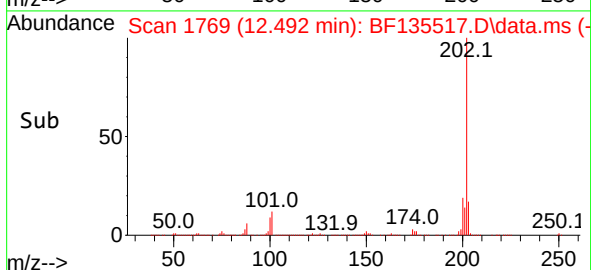
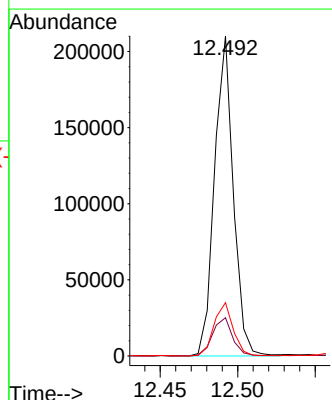
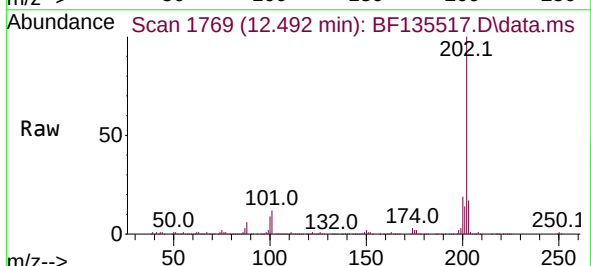
Tgt Ion:202 Resp: 177136

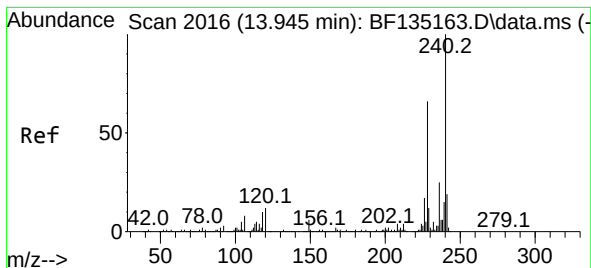
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.3

203 16.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

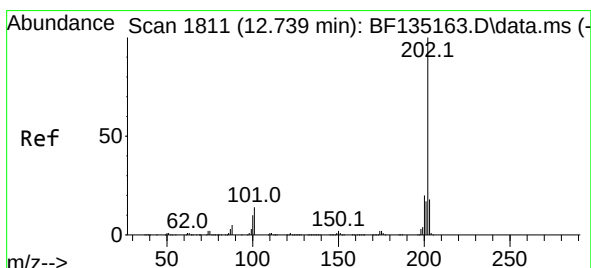
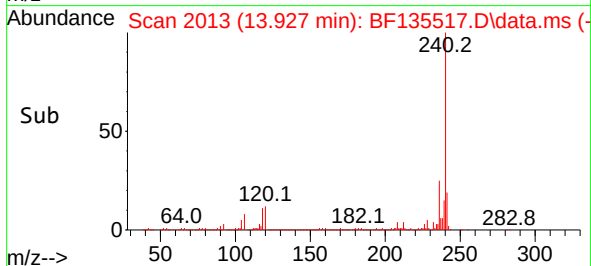
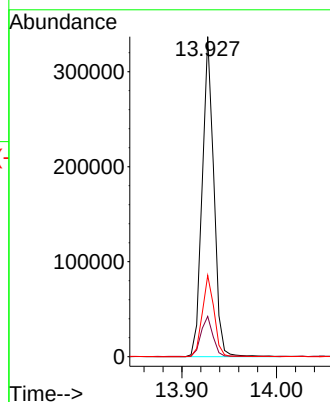
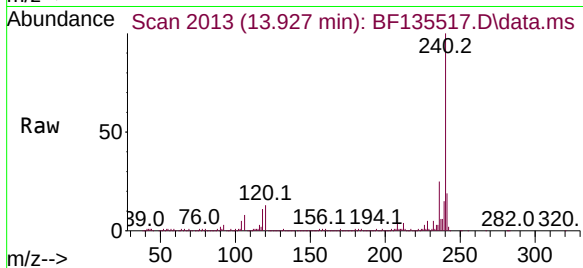
Tgt Ion:240 Resp: 288322

Ion Ratio Lower Upper

240 100

120 12.6 9.4 14.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 5.246 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

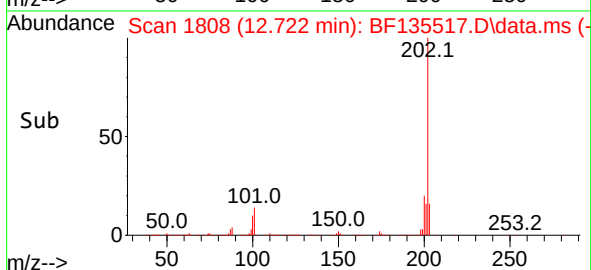
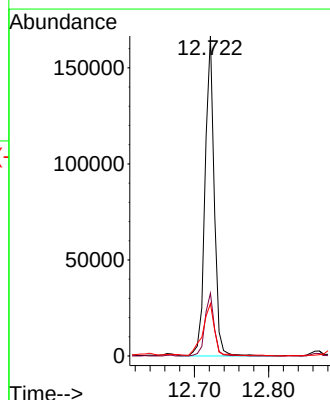
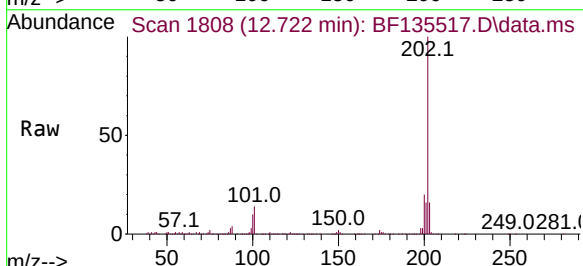
Tgt Ion:202 Resp: 143995

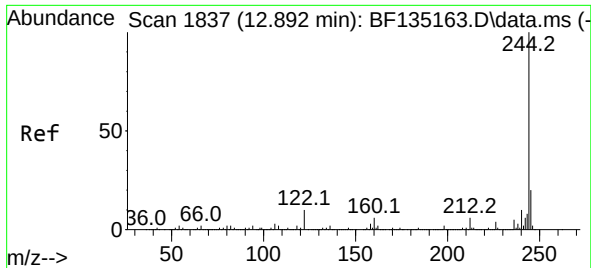
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 16.3 14.2 21.4

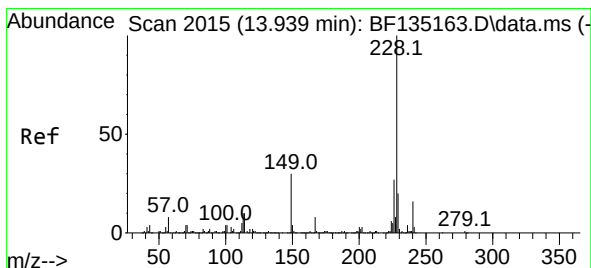
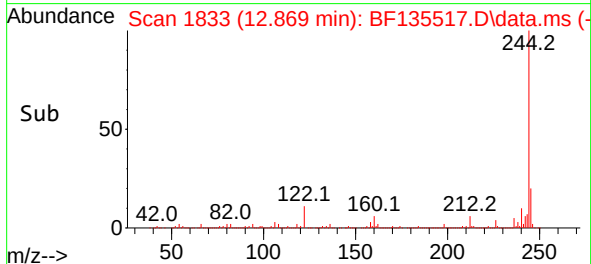
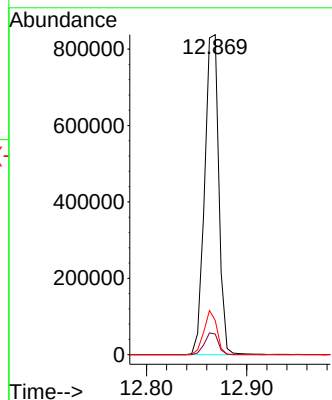
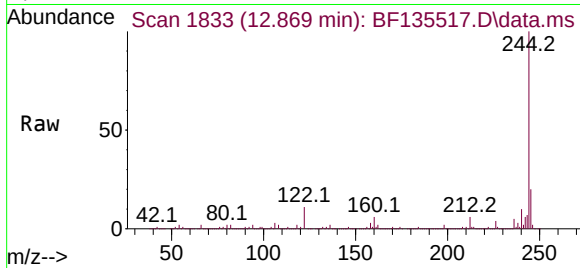




#79
 Terphenyl-d14
 Concen: 44.329 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135517.D
 Acq: 29 Sep 2023 15:43

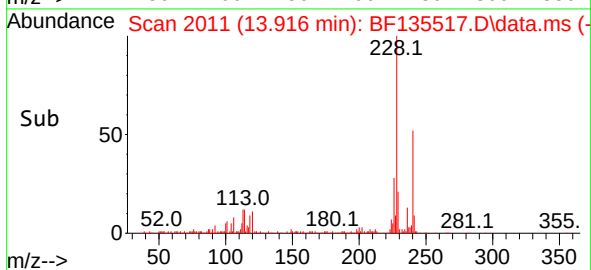
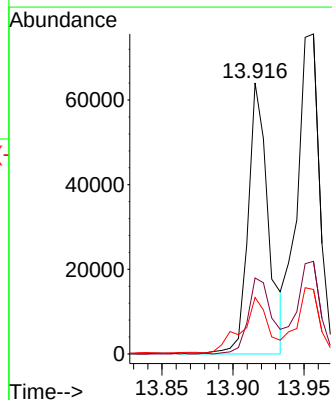
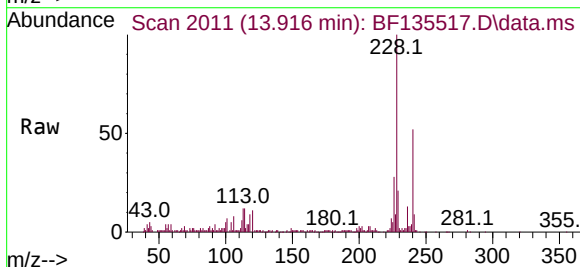
Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

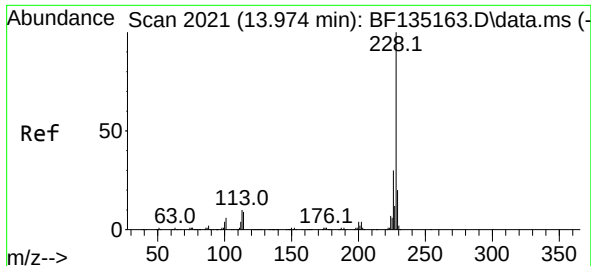
Tgt Ion:244 Resp: 824485
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 10.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 3.415 ng
 RT: 13.916 min Scan# 2011
 Delta R.T. -0.006 min
 Lab File: BF135517.D
 Acq: 29 Sep 2023 15:43

Tgt Ion:228 Resp: 63577
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 20.9 15.8 23.8

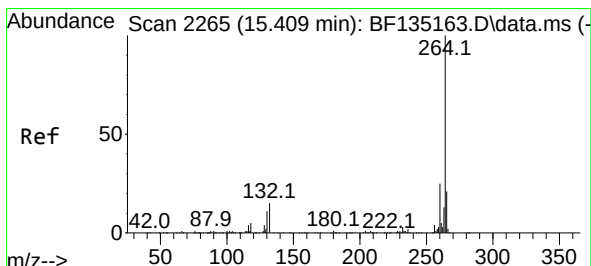
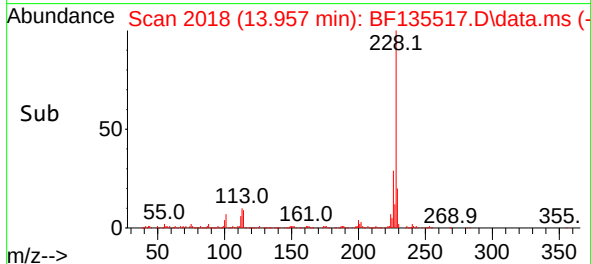
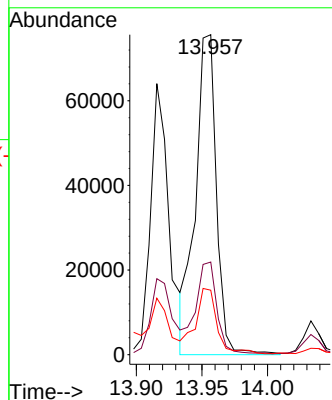
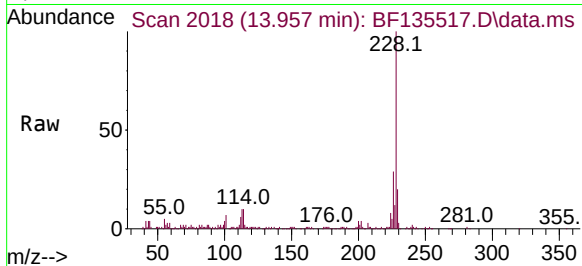




#83
Chrysene
Concen: 4.567 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

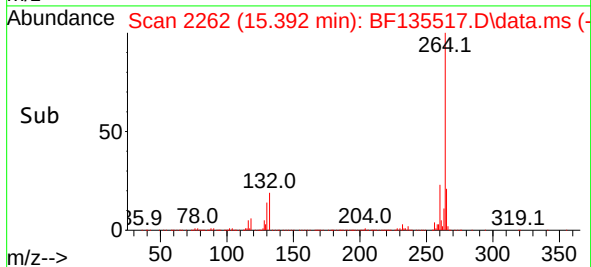
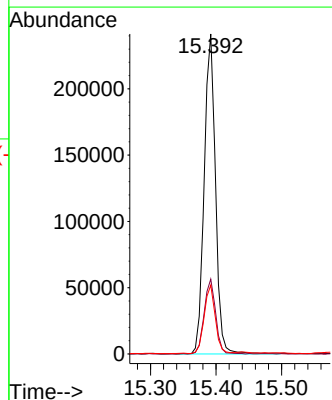
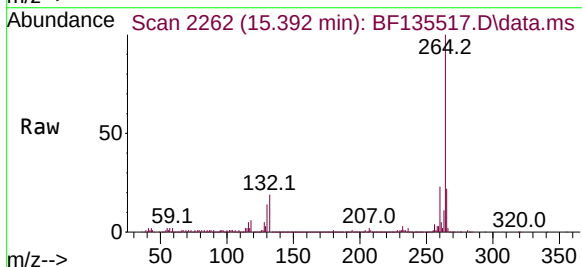
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

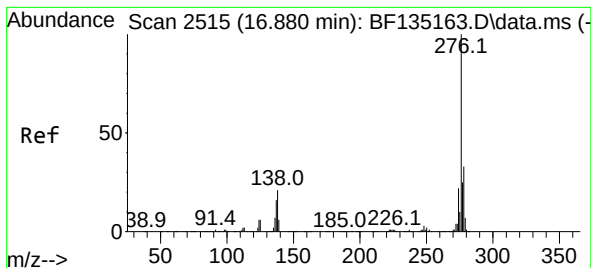
Tgt Ion:228 Resp: 84528
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.1 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:264 Resp: 290189
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.219 ng

RT: 16.868 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

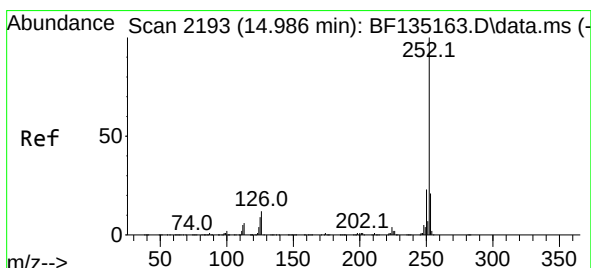
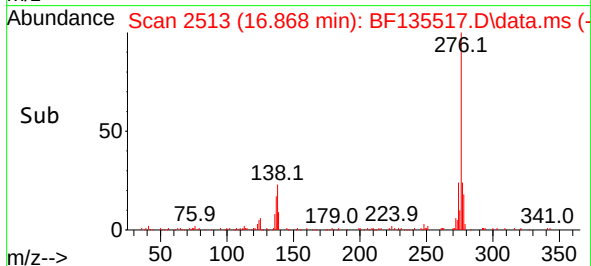
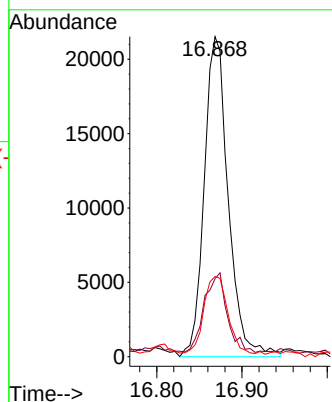
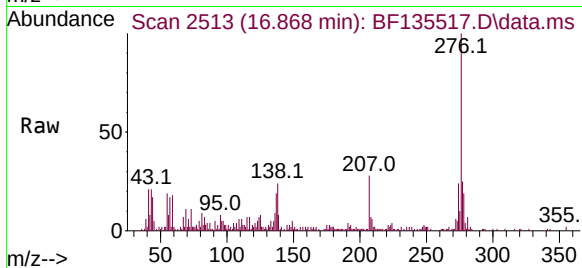
Tgt Ion:276 Resp: 42215

Ion Ratio Lower Upper

276 100

138 24.3 19.2 28.8

277 23.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 9.794 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

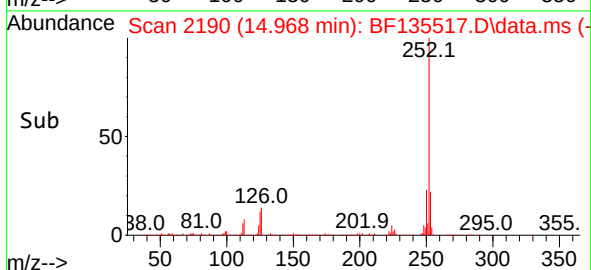
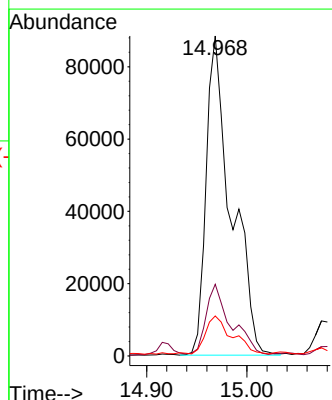
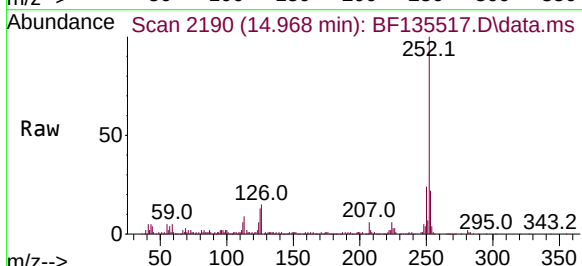
Tgt Ion:252 Resp: 153856

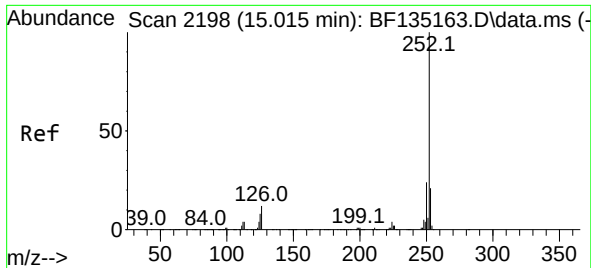
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 12.5 7.1 10.7#

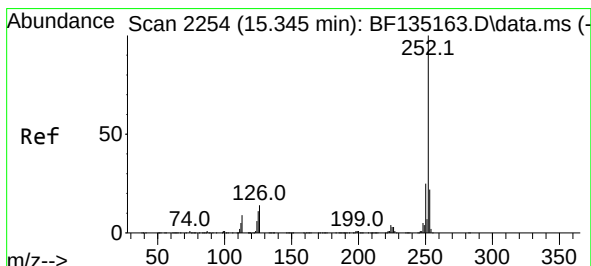
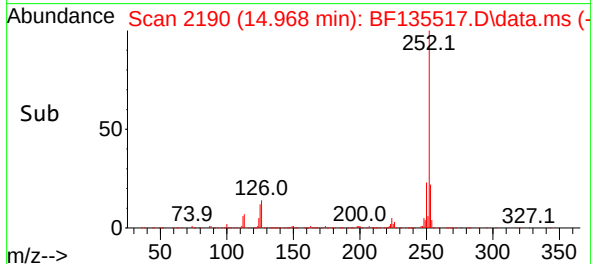
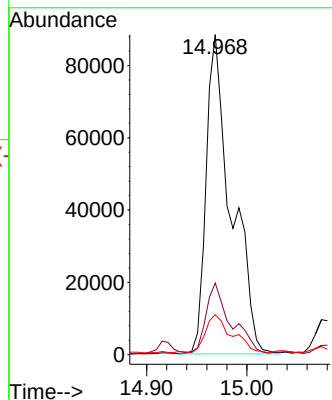
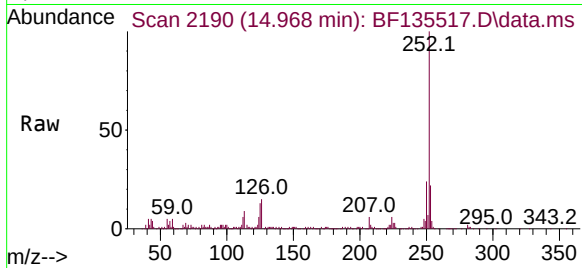




#89
Benzo(k)fluoranthene
Concen: 9.915 ng
RT: 14.968 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

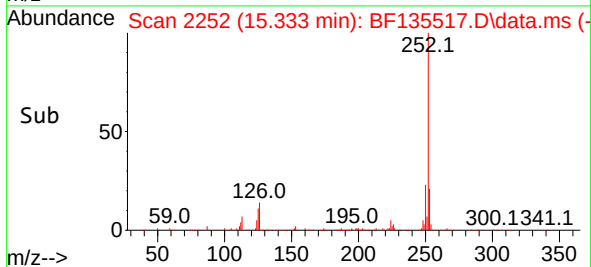
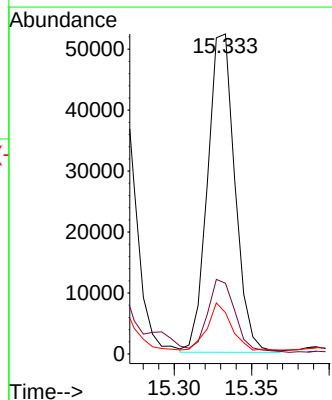
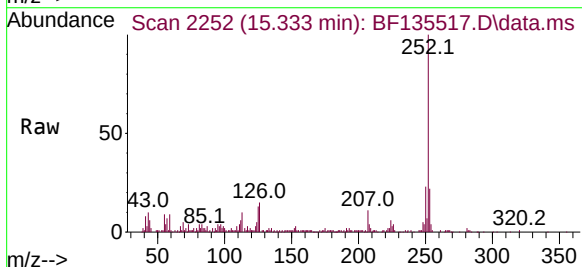
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

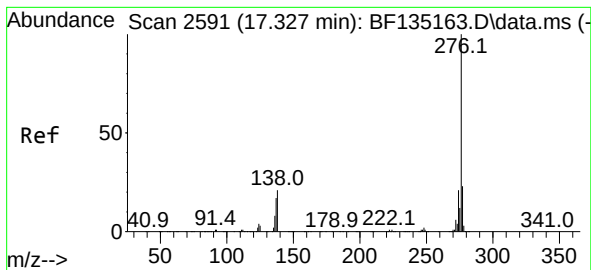
Tgt Ion:252 Resp: 153856
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.289 ng
RT: 15.333 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:252 Resp: 64254
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 12.9 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 2.389 ng

RT: 17.315 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135517.D

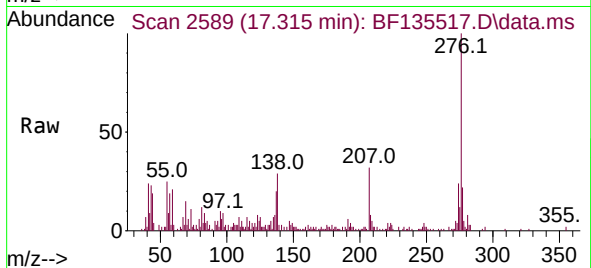
Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1



Tgt Ion:276 Resp: 38849

Ion Ratio Lower Upper

276 100

277 22.1 18.8 28.2

138 28.9 16.9 25.3#

