

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135061.D
 Acq On : 01 Sep 2023 01:42
 Operator : CG\JU
 Sample : 04188-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Quant Time: Sep 01 02:57:07 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)

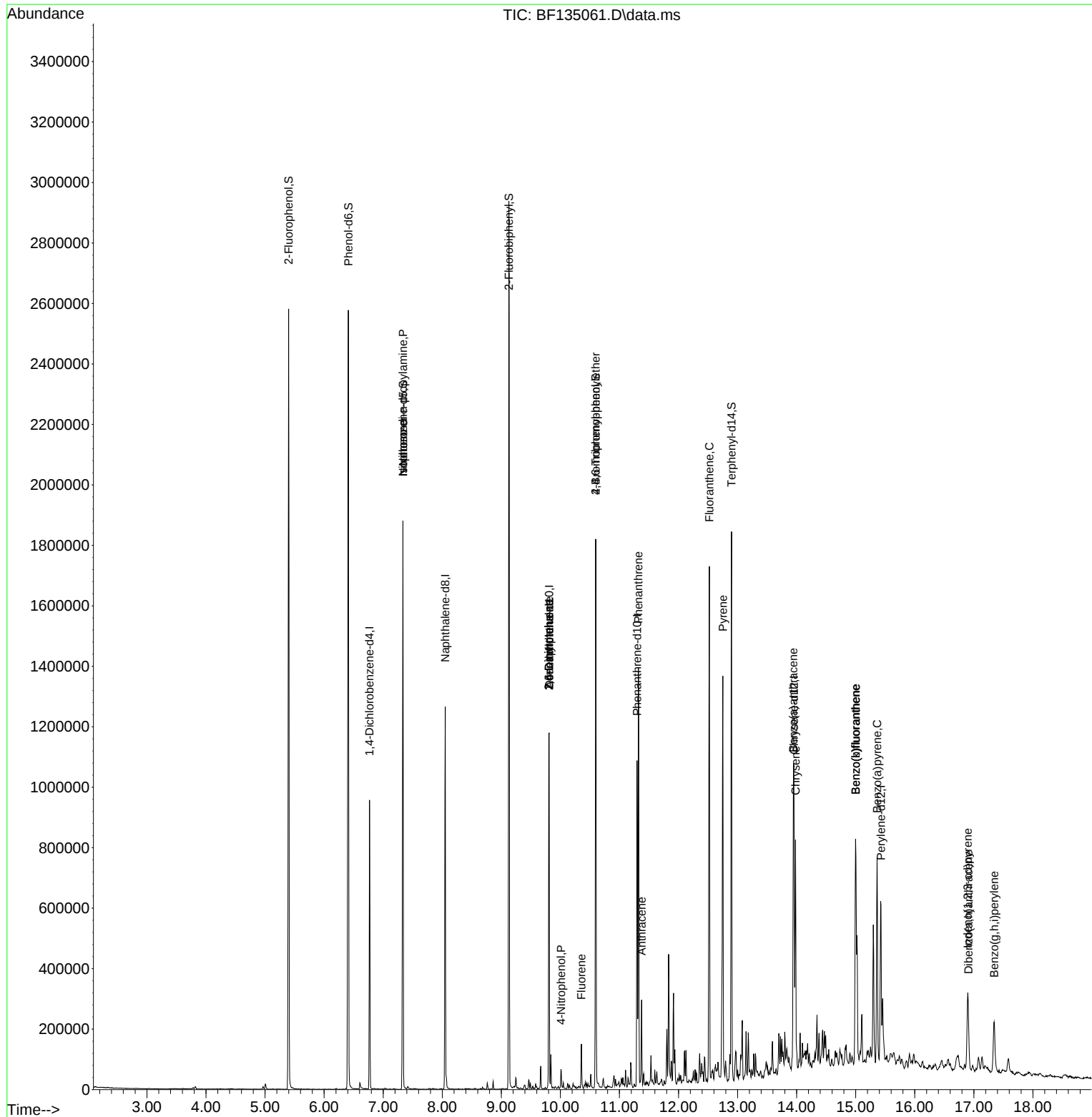
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	128085	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	514980	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	251268	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	381262	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	200419	20.000	ng	0.00
86) Perylene-d12	15.427	264	249626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	695091	83.823	ng	0.00
7) Phenol-d6	6.410	99	895798	86.669	ng	0.00
23) Nitrobenzene-d5	7.334	82	547759	59.757	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	199405	74.812	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	917504	59.450	ng	-0.01
79) Terphenyl-d14	12.898	244	596239	48.548	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	73736	12.010	ng	# 79
25) Isophorone	7.334	82	547754	31.517	ng	# 65
50) Dimethylphthalate	9.810	163	51548	2.930	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	31161	8.072	ng	# 22
56) 4-Nitrophenol	10.010	139	6816	2.156	ng	# 11
57) 2,4-Dinitrotoluene	9.804	165	31161	6.477	ng	# 20
58) Fluorene	10.357	166	37127	2.428	ng	99
67) 4-Bromophenyl-phenylether	10.598	248	12396	3.065	ng	# 1
71) Phenanthrene	11.322	178	513066	26.084	ng	99
72) Anthracene	11.375	178	95769	4.765	ng	97
75) Fluoranthene	12.522	202	655715	32.972	ng	99
78) Pyrene	12.751	202	539167	28.334	ng	99
81) Benzo(a)anthracene	13.945	228	319403	23.363	ng	96
83) Chrysene	13.980	228	276347	20.568	ng	97
87) Indeno(1,2,3-cd)pyrene	16.898	276	175100	10.414	ng	95
88) Benzo(b)fluoranthene	14.998	252	582976	37.533	ng	99
89) Benzo(k)fluoranthene	14.998	252	582976	38.851	ng	99
90) Benzo(a)pyrene	15.363	252	318983	22.107	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	45548	3.345	ng	96
92) Benzo(g,h,i)perylene	17.345	276	143103	10.104	ng	97

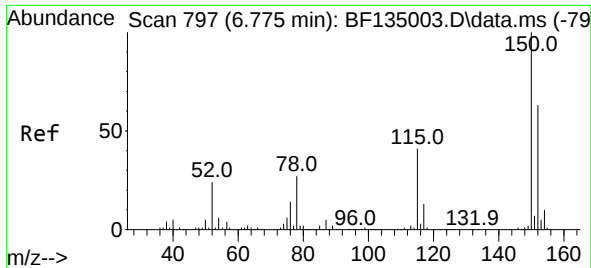
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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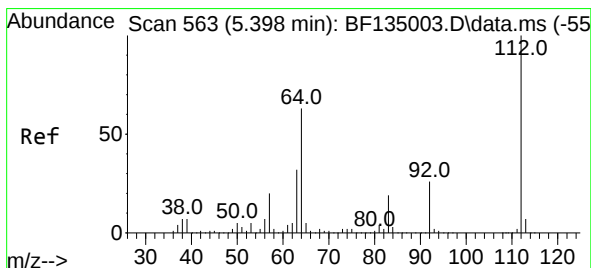
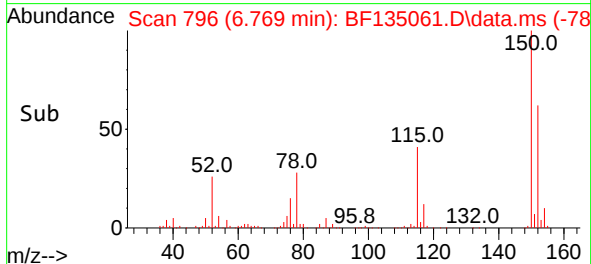
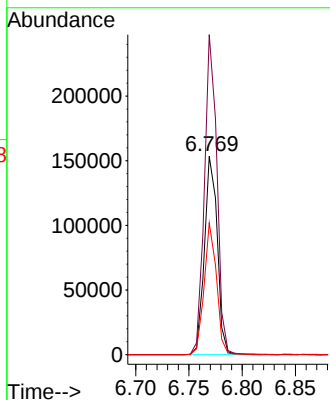
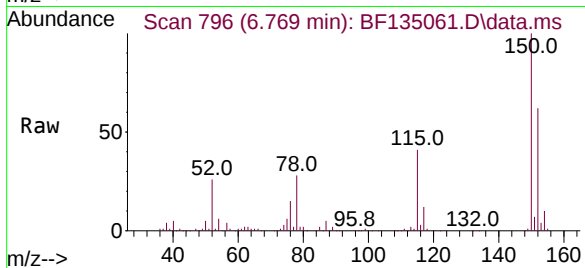




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

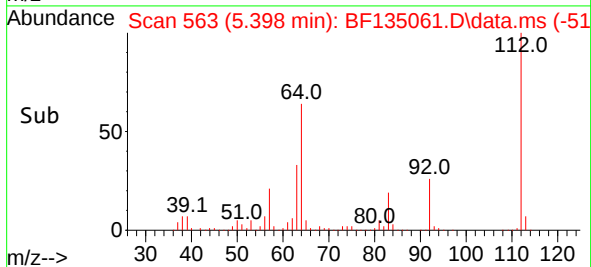
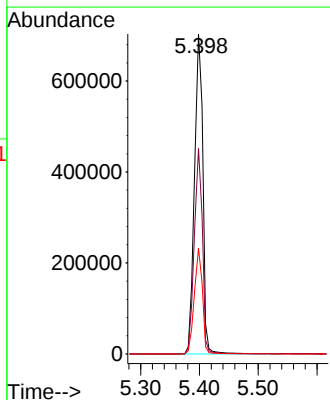
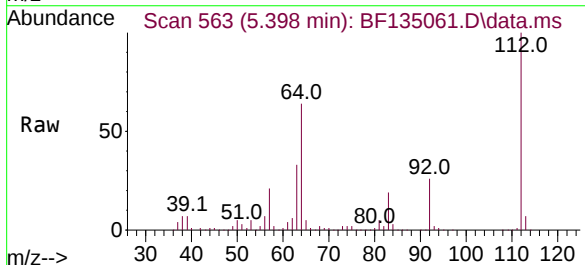
Instrument :
BNA_F
ClientSampleId :
WC-7

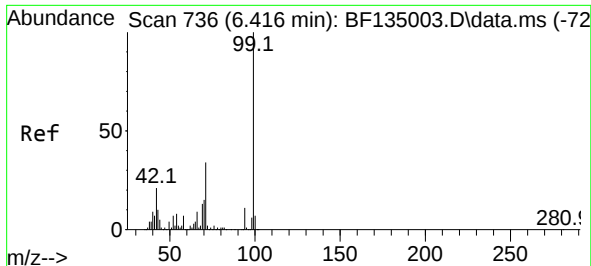
Tgt Ion:152 Resp: 128085
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.4
115 66.5 51.2 76.8



#5
2-Fluorophenol
Concen: 83.823 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:112 Resp: 695091
Ion Ratio Lower Upper
112 100
64 64.2 50.5 75.7
63 33.0 25.9 38.9

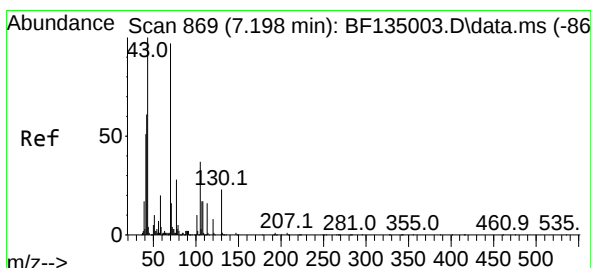
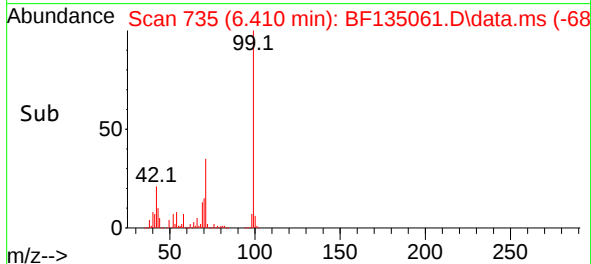
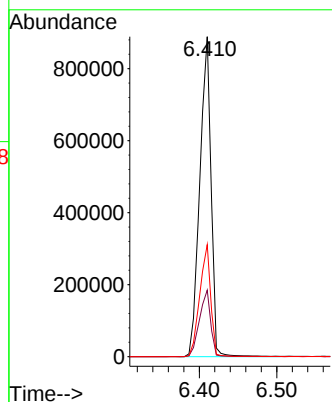
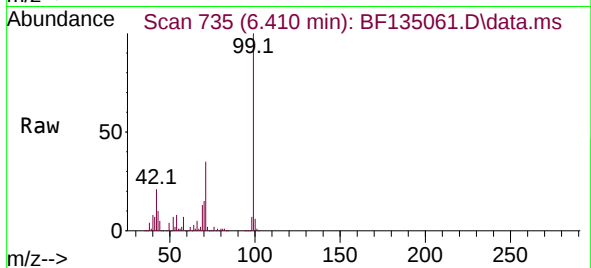




#7
Phenol-d6
Concen: 86.669 ng
RT: 6.410 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

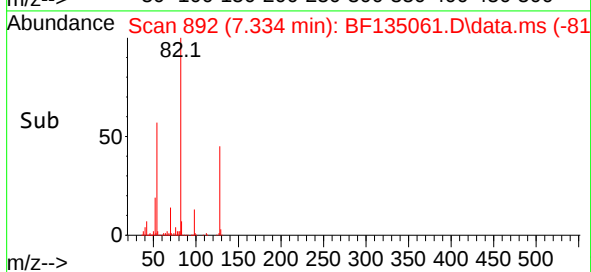
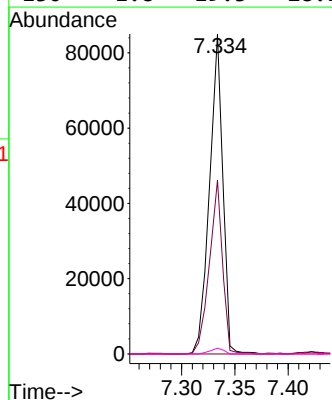
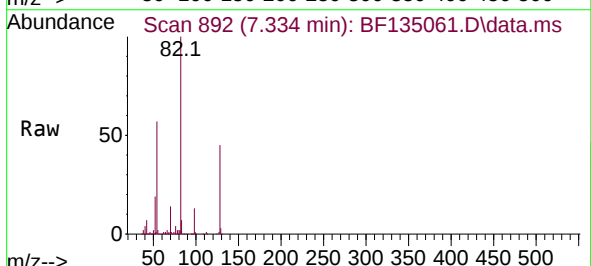
Instrument :
BNA_F
ClientSampleId :
WC-7

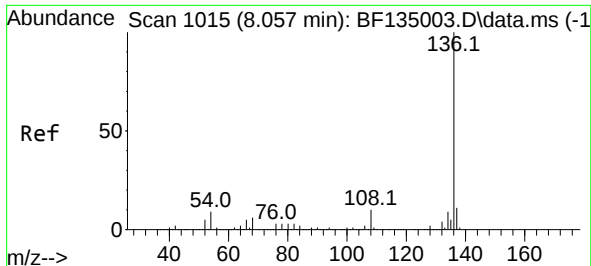
Tgt Ion: 99 Resp: 895798
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 35.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.010 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion: 70 Resp: 73736
Ion Ratio Lower Upper
70 100
42 54.3 50.2 75.4
101 0.0 8.1 12.1#
130 1.8 19.3 28.9#

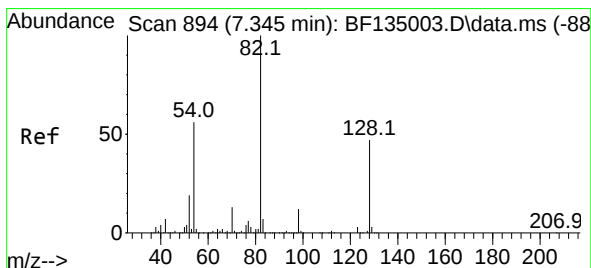
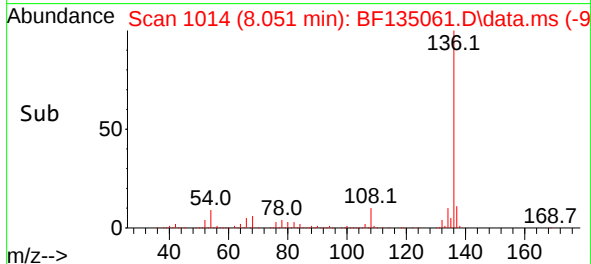
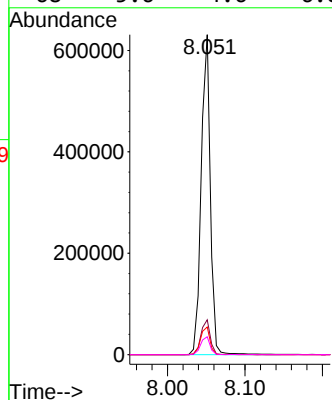
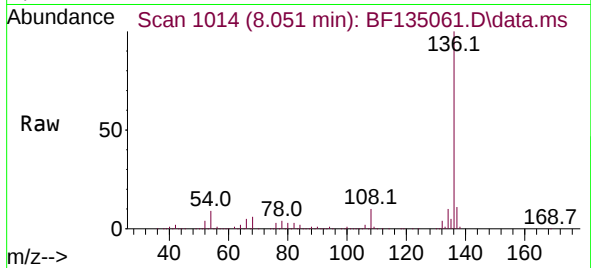




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

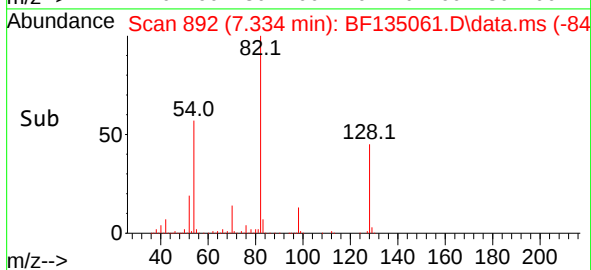
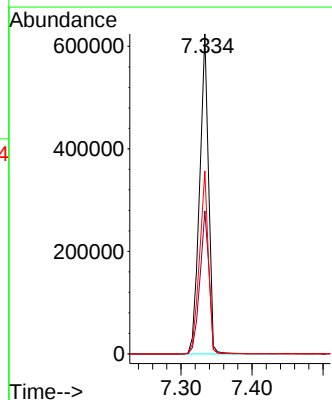
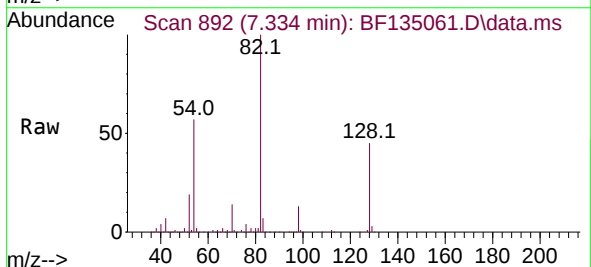
Instrument :
BNA_F
ClientSampleId :
WC-7

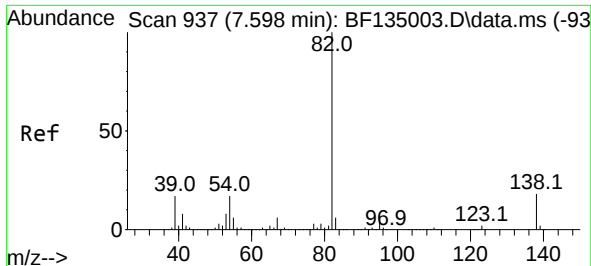
Tgt Ion:136	Resp: 514980
Ion Ratio	Lower Upper
136	100
137	10.9 8.8 13.2
54	8.6 7.0 10.4
68	5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 59.757 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion: 82	Resp: 547759
Ion Ratio	Lower Upper
82	100
128	44.7 37.8 56.8
54	57.2 45.0 67.6

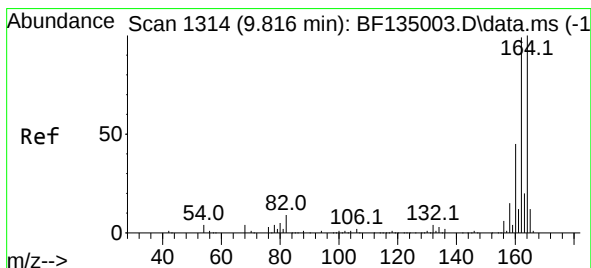
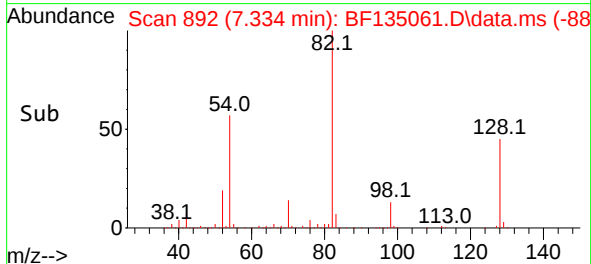
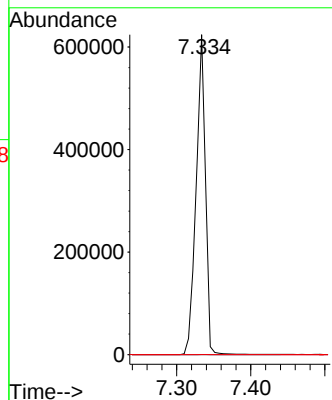
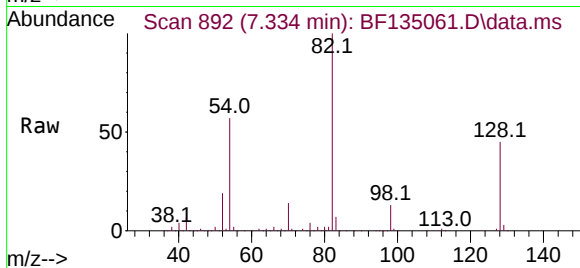




#25
Isophorone
Concen: 31.517 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

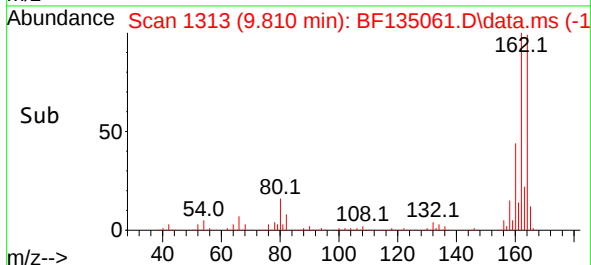
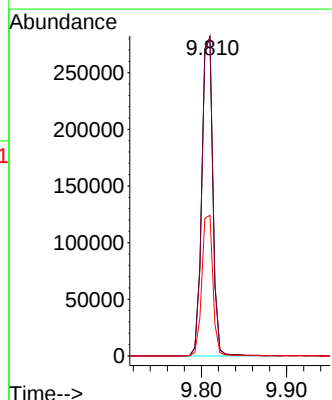
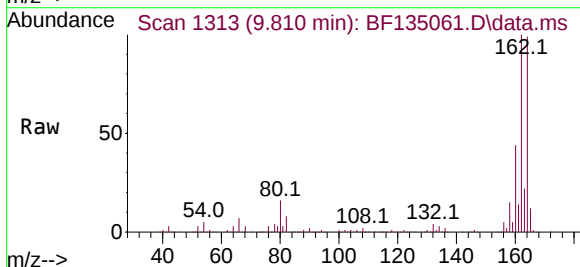
Instrument :
BNA_F
ClientSampleId :
WC-7

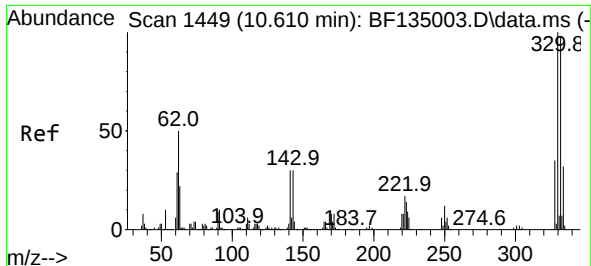
Tgt Ion: 82 Resp: 547754
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

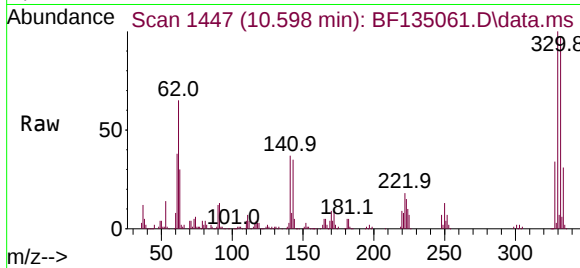
Tgt Ion: 164 Resp: 251268
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 44.3 36.0 54.0



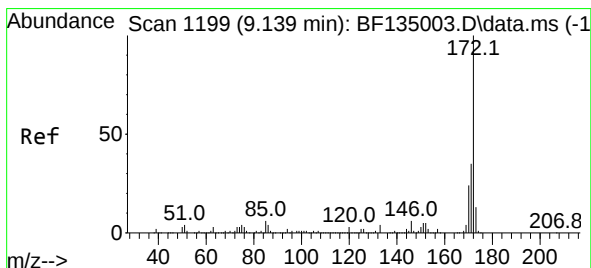
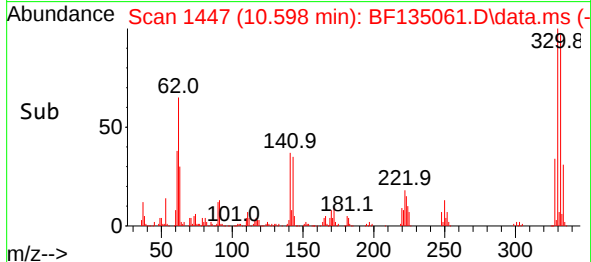
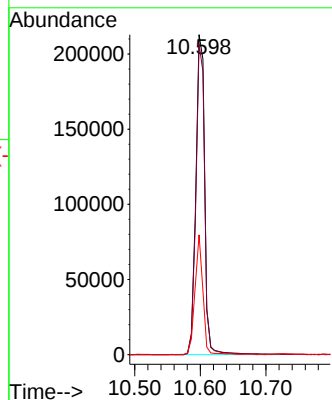


#42
 2,4,6-Tribromophenol
 Concen: 74.812 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

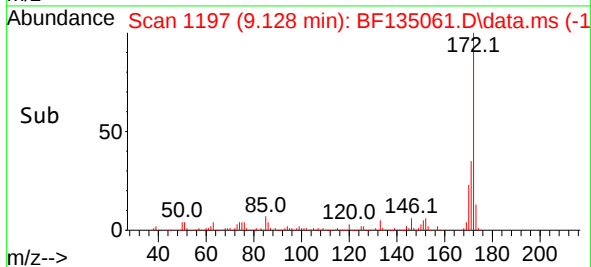
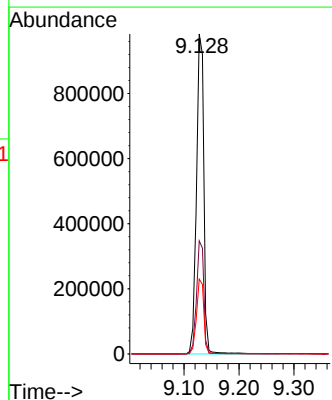
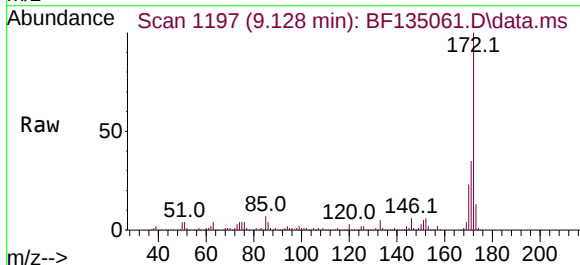


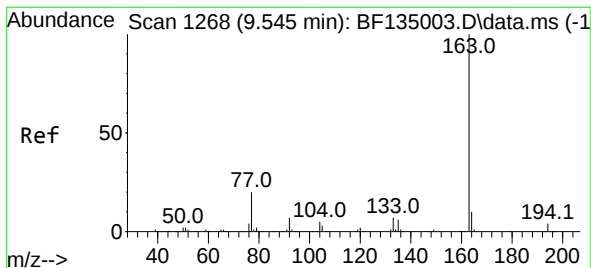
Tgt Ion:330 Resp: 199405
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.6 116.4
 141 33.7 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 59.450 ng
 RT: 9.128 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

Tgt Ion:172 Resp: 917504
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.2 42.2
 170 23.4 19.0 28.4





#50

Dimethylphthalate

Concen: 2.930 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.265 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7

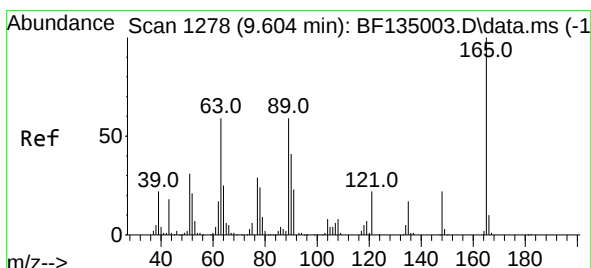
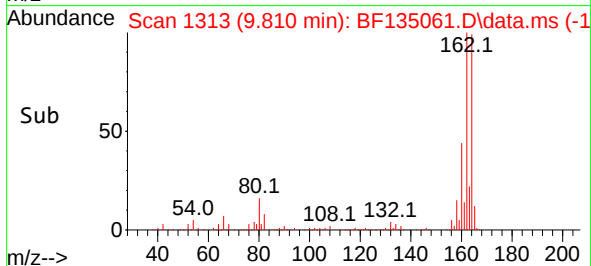
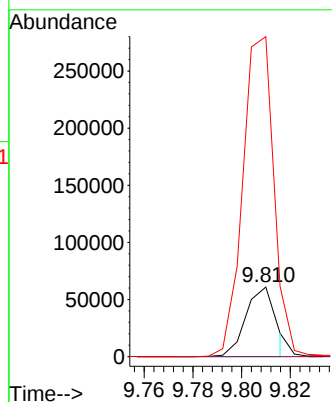
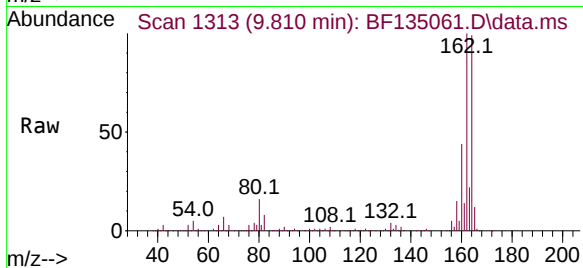
Tgt Ion:163 Resp: 51548

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 459.7 8.1 12.1#



#51

2,6-Dinitrotoluene

Concen: 8.072 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.200 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

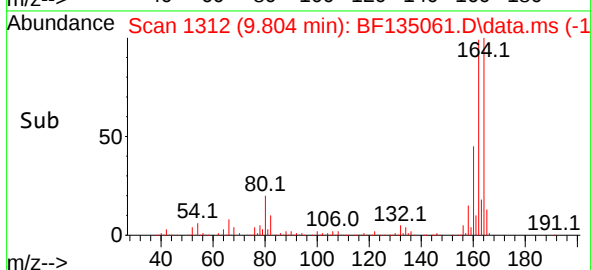
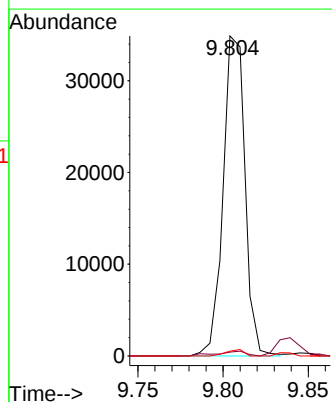
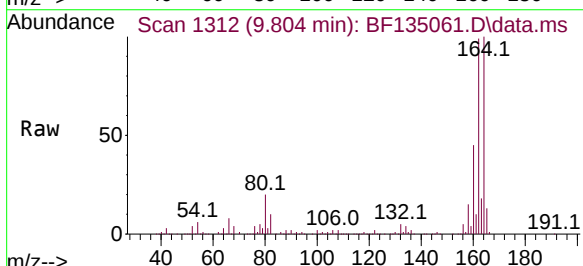
Tgt Ion:165 Resp: 31161

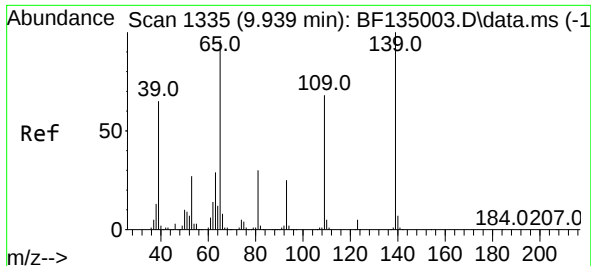
Ion Ratio Lower Upper

165 100

63 1.2 50.4 75.6#

89 1.5 47.1 70.7#

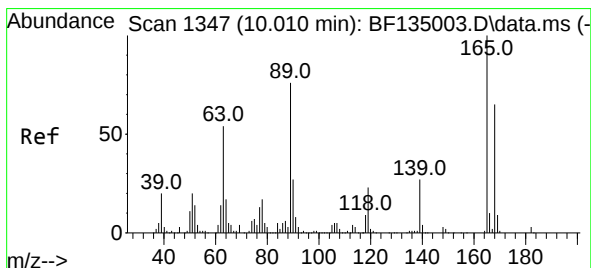
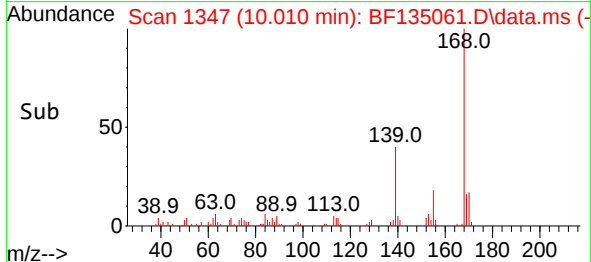
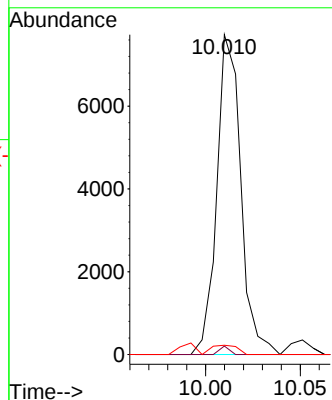
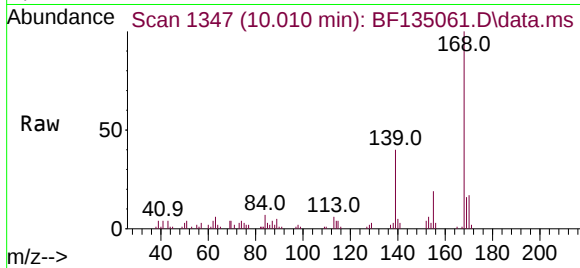




#56
4-Nitrophenol
Concen: 2.156 ng
RT: 10.010 min Scan# 1312
Delta R.T. 0.071 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

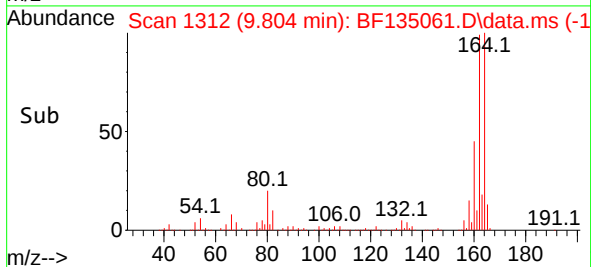
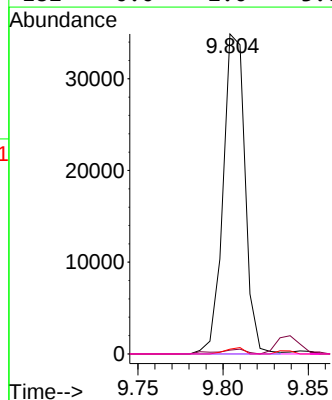
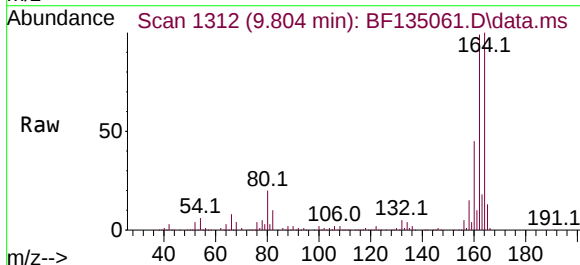
Instrument :
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ClientSampleId :
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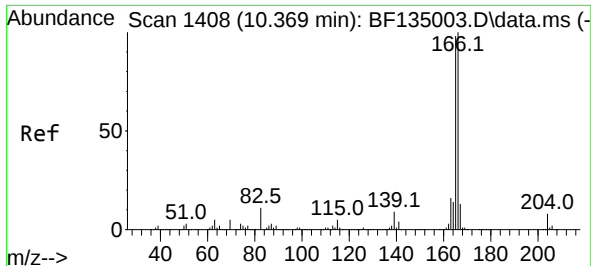
Tgt Ion:139 Resp: 6816
Ion Ratio Lower Upper
139 100
109 2.7 47.7 87.7#
65 2.9 75.9 115.9#



#57
2,4-Dinitrotoluene
Concen: 6.477 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.206 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:165 Resp: 31161
Ion Ratio Lower Upper
165 100
63 1.2 43.2 64.8#
89 1.5 60.8 91.2#
182 0.0 2.0 3.0#

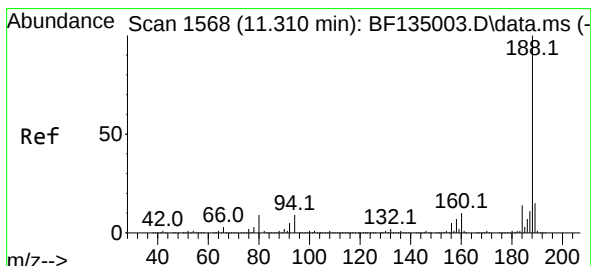
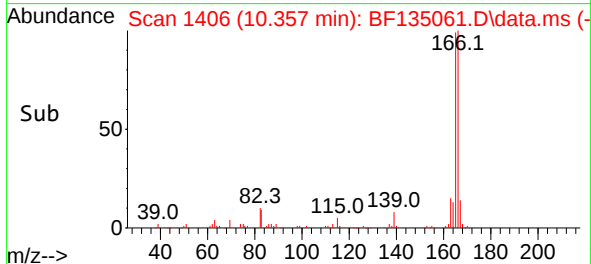
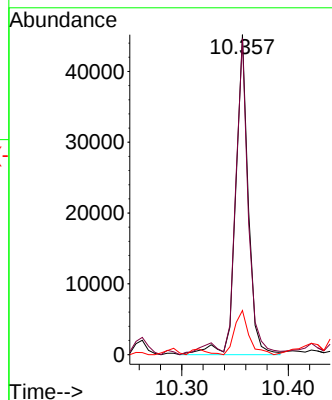
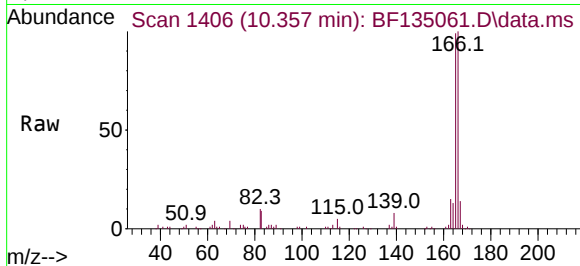




#58
Fluorene
Concen: 2.428 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

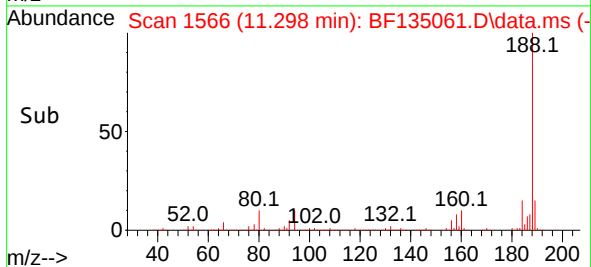
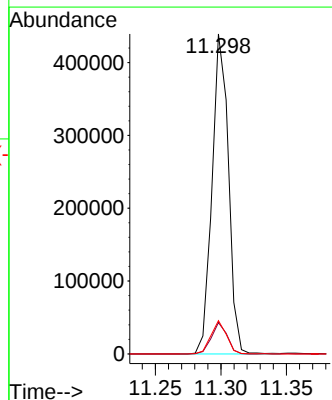
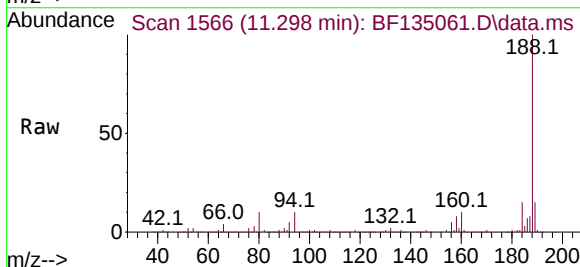
Instrument :
BNA_F
ClientSampleId :
WC-7

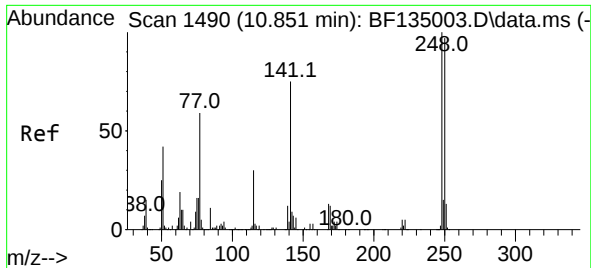
Tgt Ion:166 Resp: 37127
Ion Ratio Lower Upper
166 100
165 98.7 78.0 117.0
167 13.8 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:188 Resp: 381262
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.4 7.4 11.2

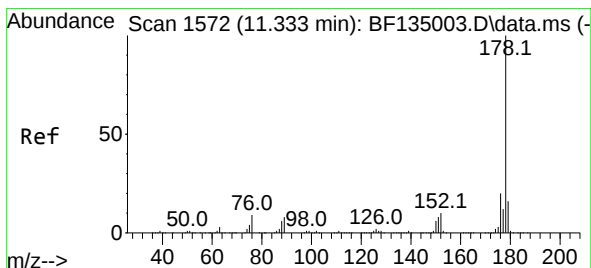
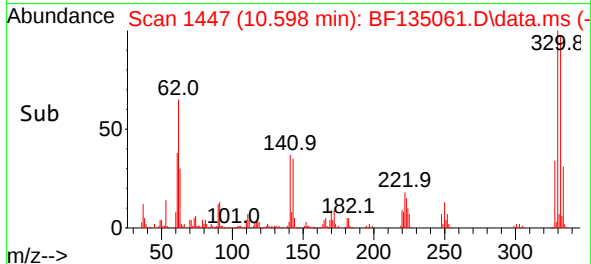
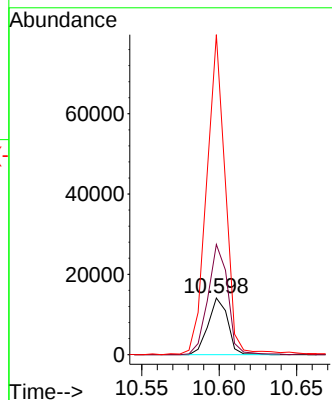
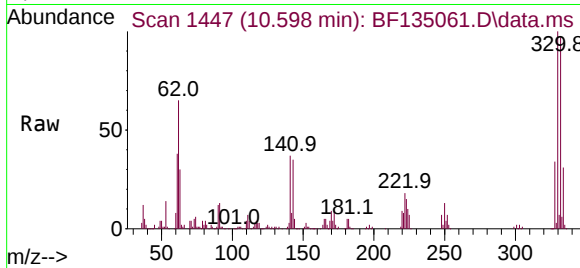




#67
4-Bromophenyl-phenylether
Concen: 3.065 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

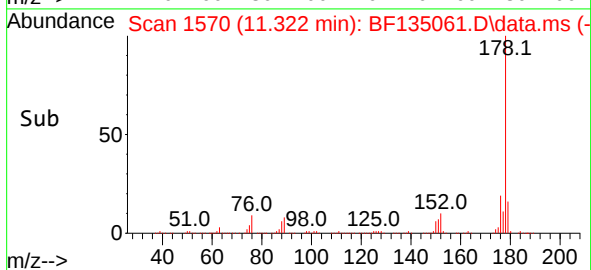
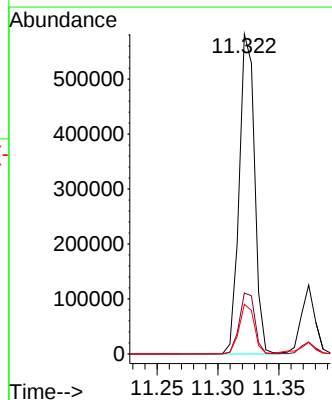
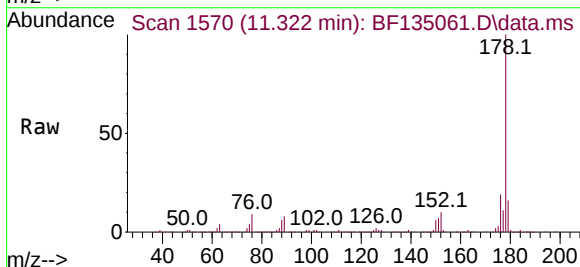
Instrument :
BNA_F
ClientSampleId :
WC-7

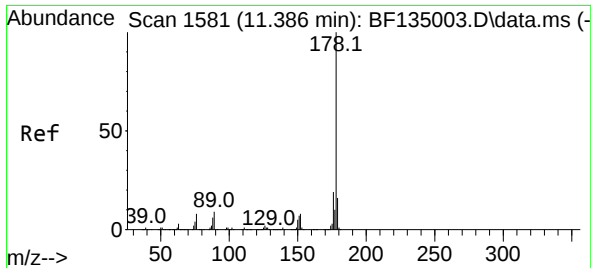
Tgt Ion:248 Resp: 12396
Ion Ratio Lower Upper
248 100
250 194.8 77.9 116.9#
141 565.6 59.8 89.8#



#71
Phenanthrene
Concen: 26.084 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:178 Resp: 513066
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7

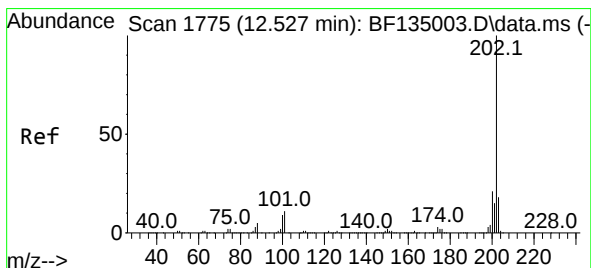
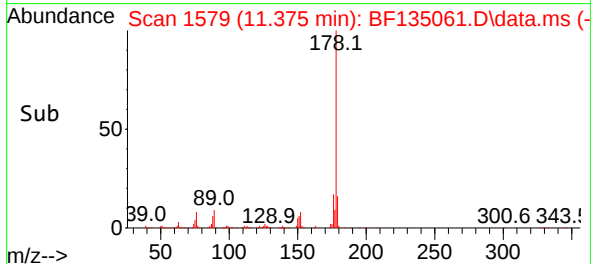
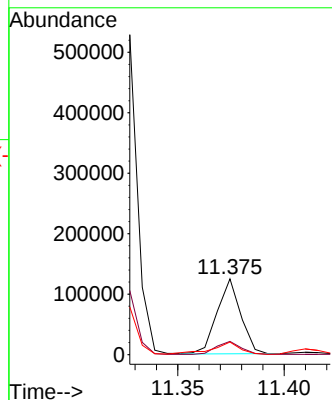
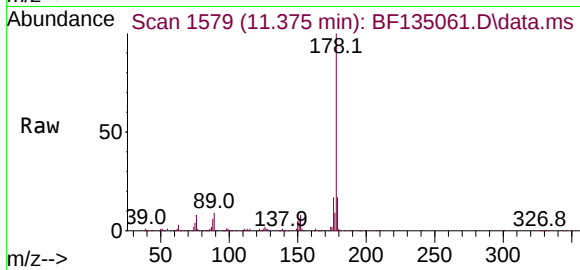




#72
 Anthracene
 Concen: 4.765 ng
 RT: 11.375 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

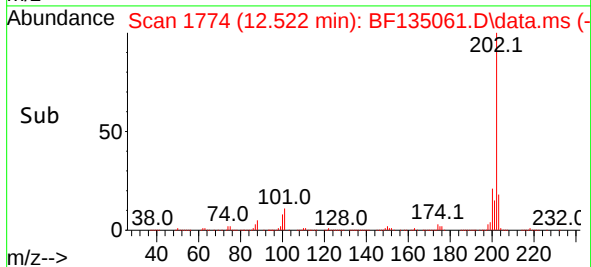
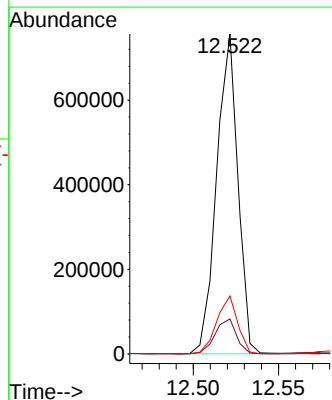
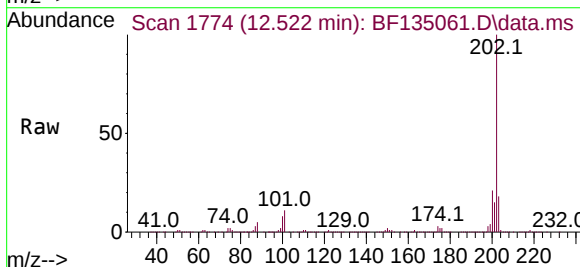
Instrument :
 BNA_F
 ClientSampleId :
 WC-7

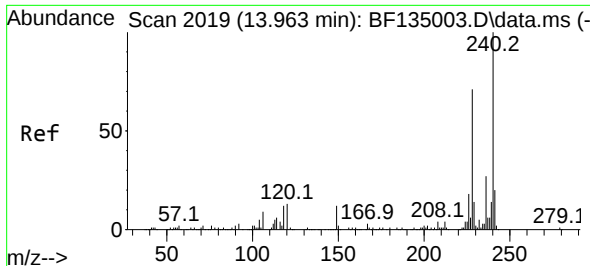
Tgt Ion:178 Resp: 95769
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.2
 179 16.6 12.8 19.2



#75
 Fluoranthene
 Concen: 32.972 ng
 RT: 12.522 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

Tgt Ion:202 Resp: 655715
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.5
 203 18.1 0.0 37.8

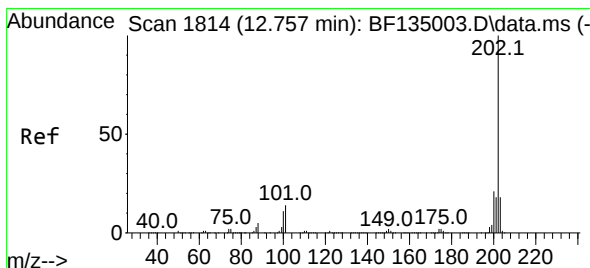
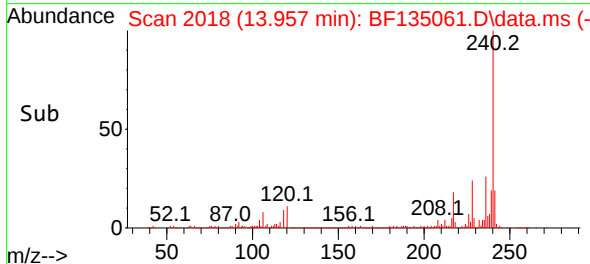
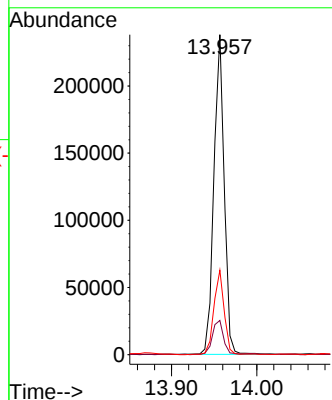
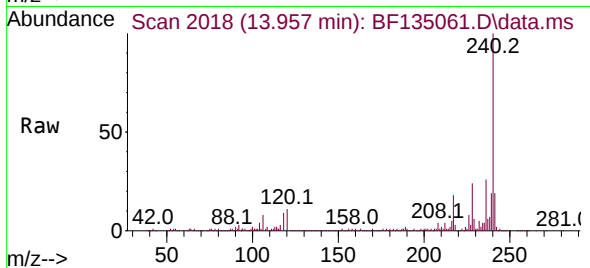




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

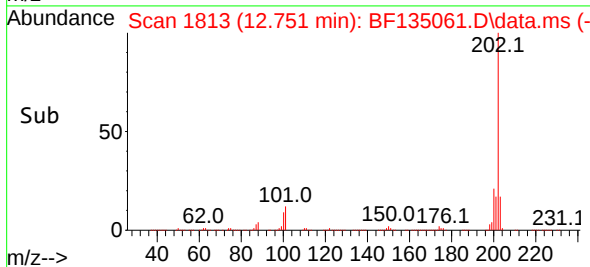
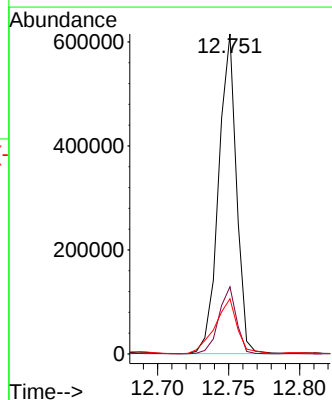
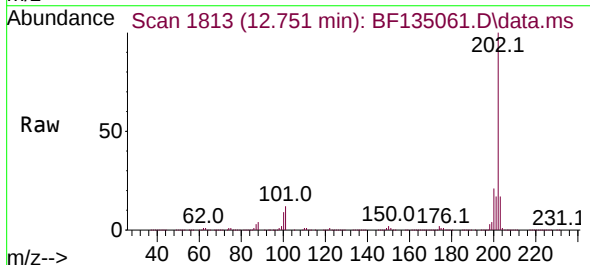
Instrument :
BNA_F
ClientSampleId :
WC-7

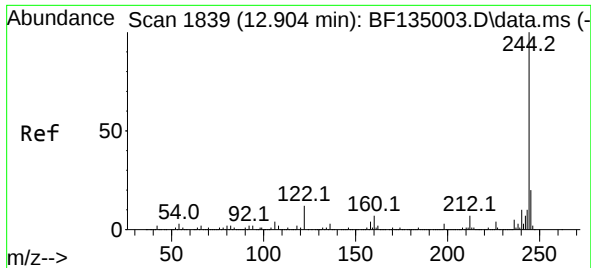
Tgt Ion:240 Resp: 200419
Ion Ratio Lower Upper
240 100
120 10.7 10.2 15.2
236 26.4 21.3 31.9



#78
Pyrene
Concen: 28.334 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:202 Resp: 539167
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.2 14.2 21.2

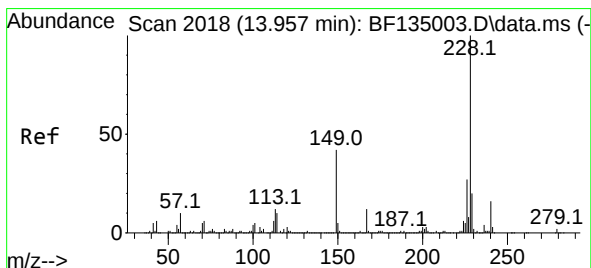
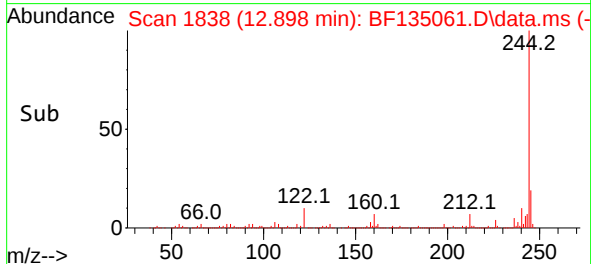
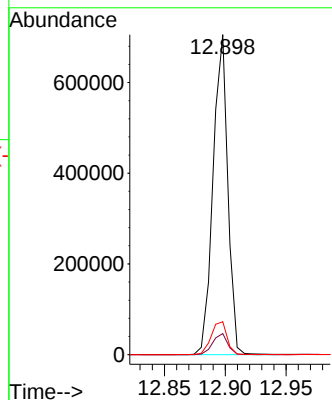
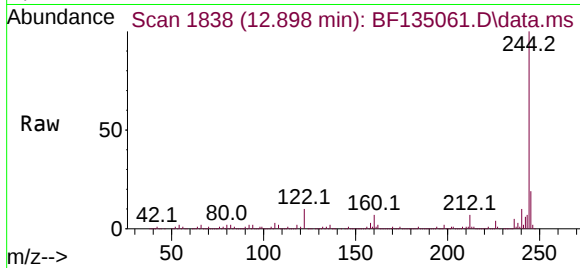




#79
 Terphenyl-d14
 Concen: 48.548 ng
 RT: 12.898 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

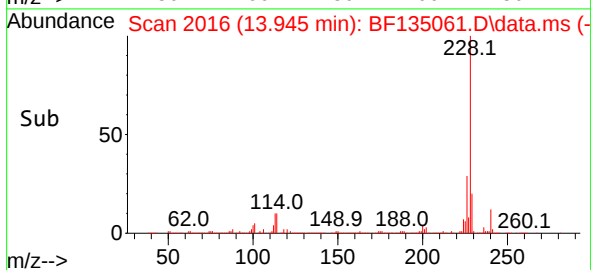
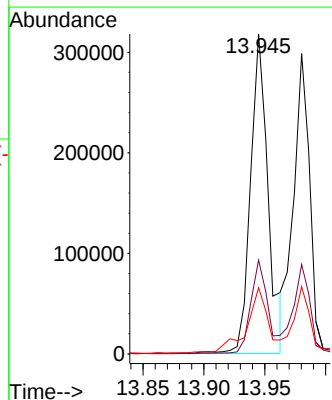
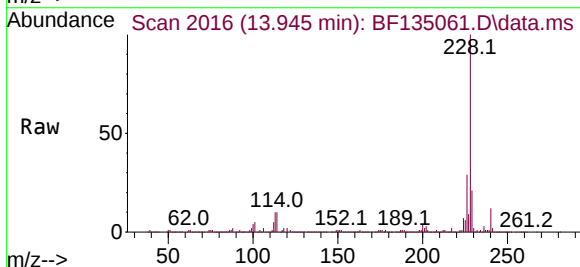
Instrument :
 BNA_F
 ClientSampleId :
 WC-7

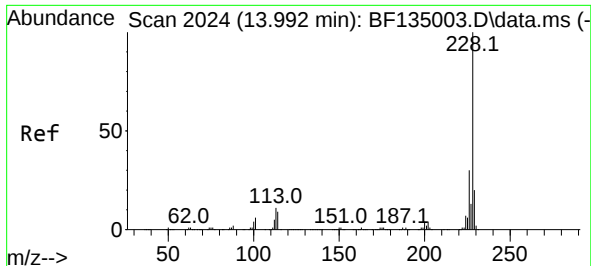
Tgt Ion:244 Resp: 596239
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.3 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 23.363 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

Tgt Ion:228 Resp: 319403
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 20.7 15.6 23.4

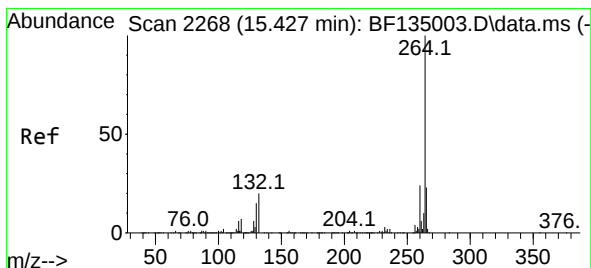
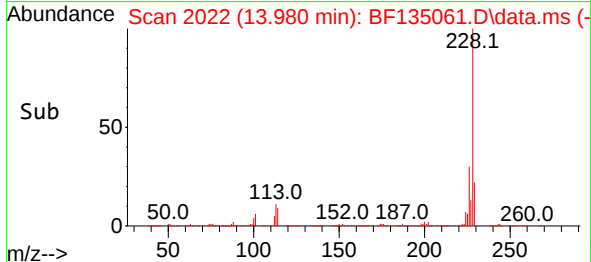
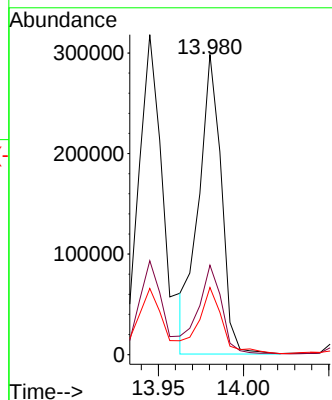
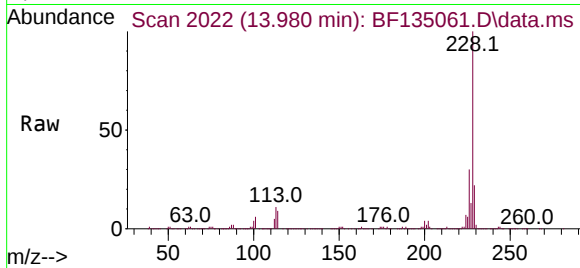




#83
Chrysene
Concen: 20.568 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

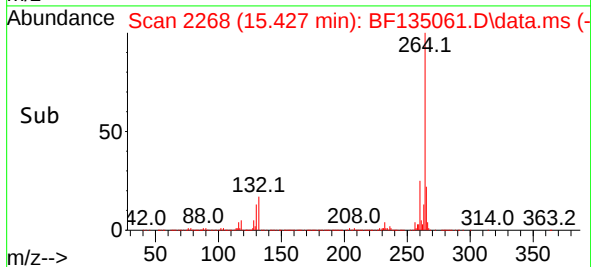
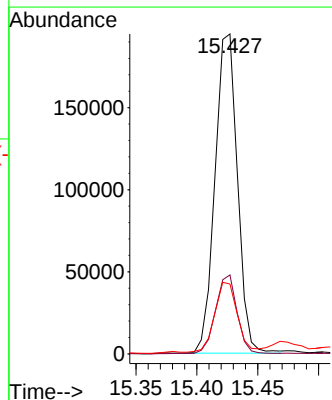
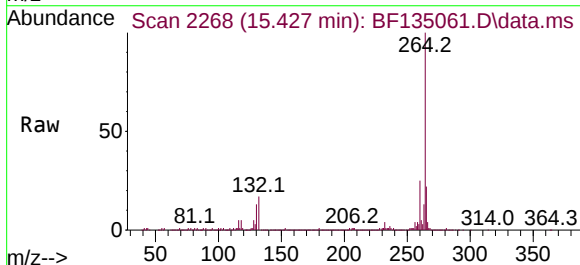
Instrument :
BNA_F
ClientSampleId :
WC-7

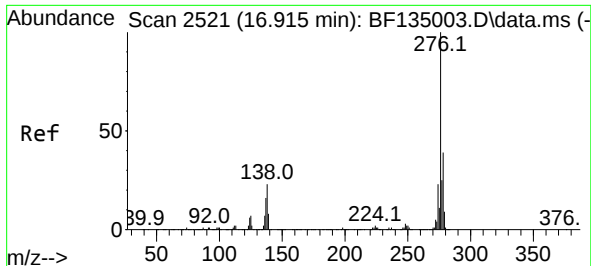
Tgt Ion:228 Resp: 276347
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.4
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:264 Resp: 249626
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 21.8 18.2 27.2

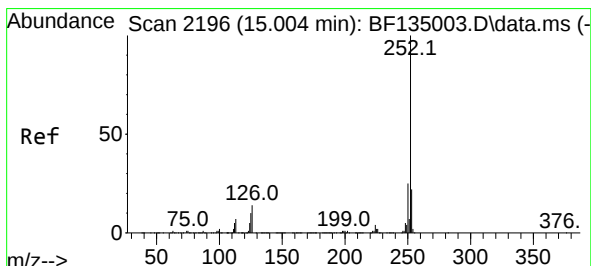
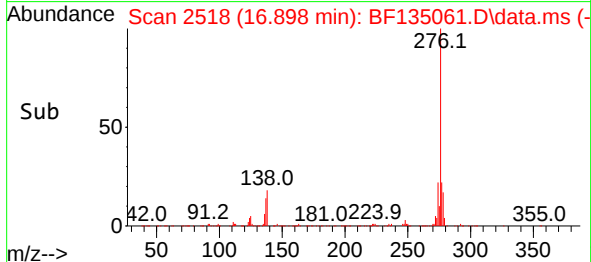
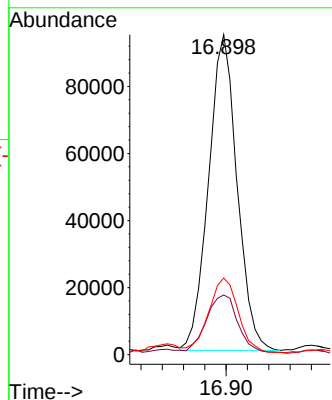
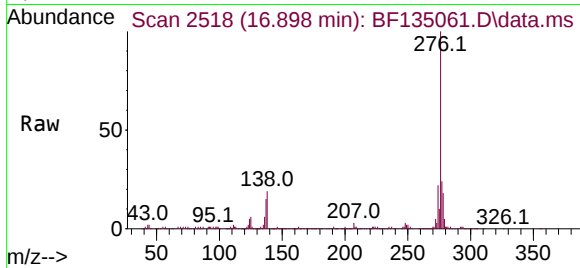




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.414 ng
 RT: 16.898 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

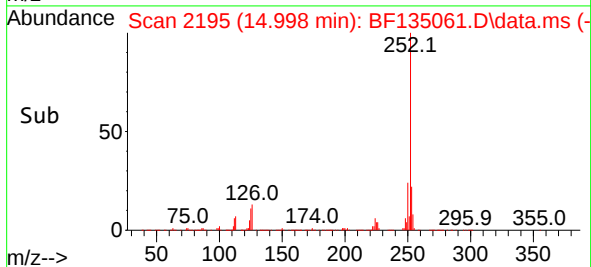
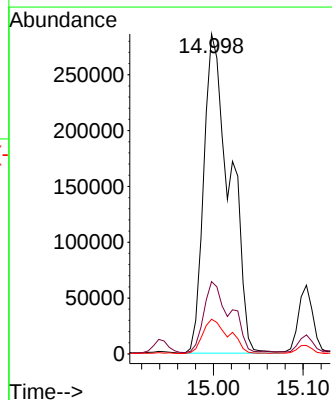
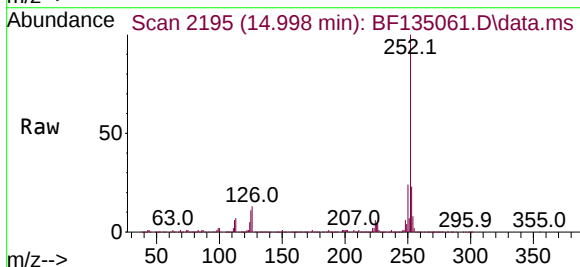
Instrument :
 BNA_F
 ClientSampleId :
 WC-7

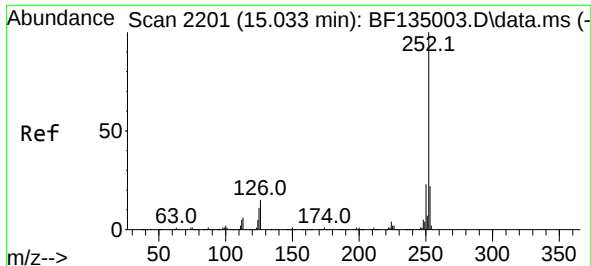
Tgt Ion:	276	Resp:	175100
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.2	30.2
277	24.6	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 37.533 ng
 RT: 14.998 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF135061.D
 Acq: 01 Sep 2023 01:42

Tgt Ion:	252	Resp:	582976
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	10.8	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 38.851 ng

RT: 14.998 min Scan# 2119

Delta R.T. -0.035 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

Instrument :

BNA_F

ClientSampleId :

WC-7

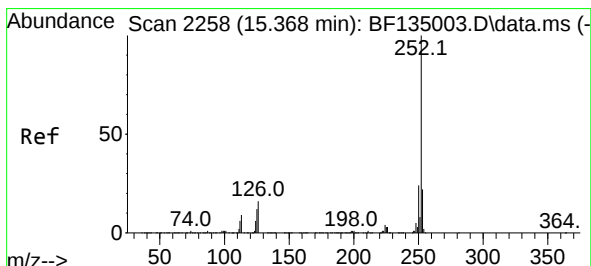
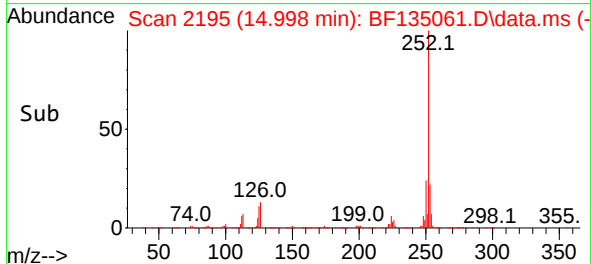
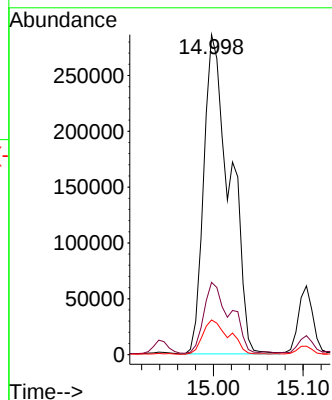
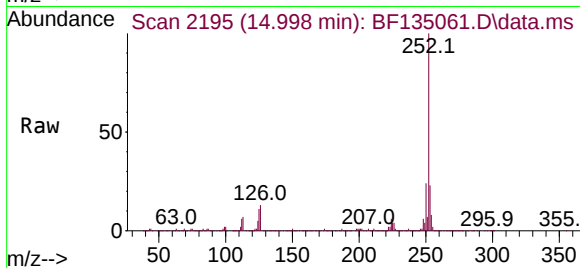
Tgt Ion:252 Resp: 582976

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.8 8.5 12.7



#90

Benzo(a)pyrene

Concen: 22.107 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135061.D

Acq: 01 Sep 2023 01:42

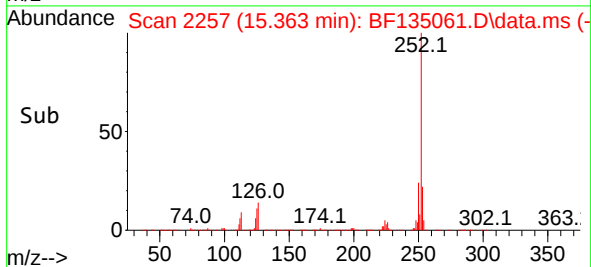
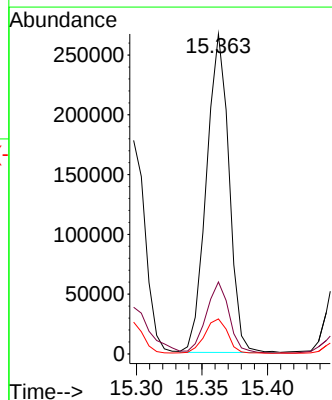
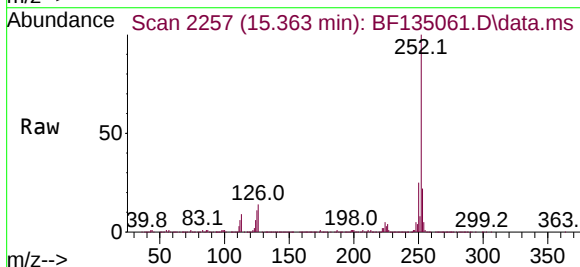
Tgt Ion:252 Resp: 318983

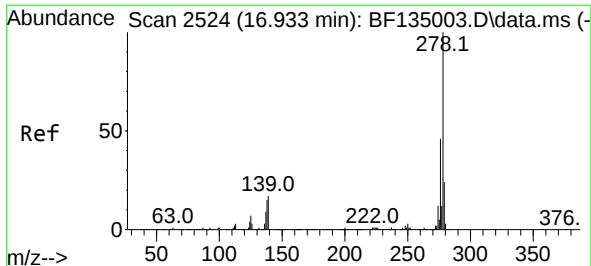
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.9 9.5 14.3

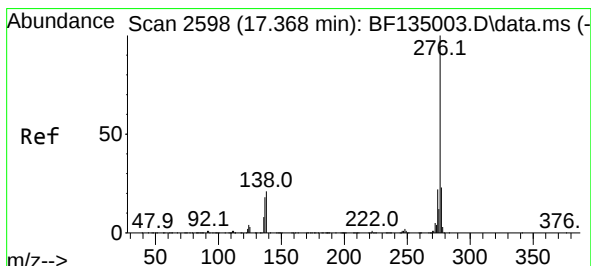
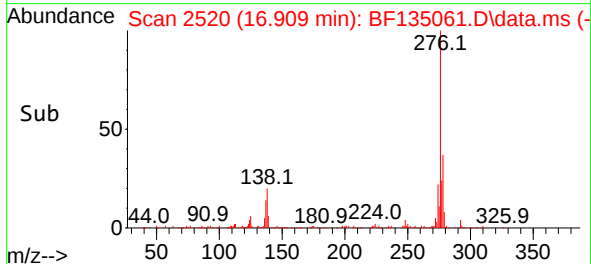
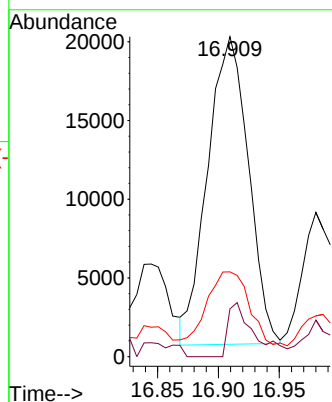
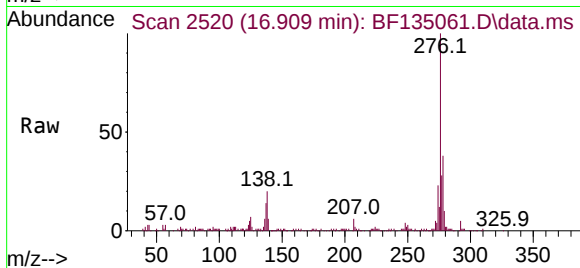




#91
Dibenzo(a,h)anthracene
Concen: 3.345 ng
RT: 16.909 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:278 Resp: 45548
Ion Ratio Lower Upper
278 100
139 14.9 13.4 20.2
279 26.5 19.5 29.3



#92
Benzo(g,h,i)perylene
Concen: 10.104 ng
RT: 17.345 min Scan# 2594
Delta R.T. -0.023 min
Lab File: BF135061.D
Acq: 01 Sep 2023 01:42

Tgt Ion:276 Resp: 143103
Ion Ratio Lower Upper
276 100
277 25.6 18.5 27.7
138 22.0 17.1 25.7

