

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134333.D
 Acq On : 18 Jul 2023 00:50
 Operator : CG\JU
 Sample : 03581-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 18 01:20:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

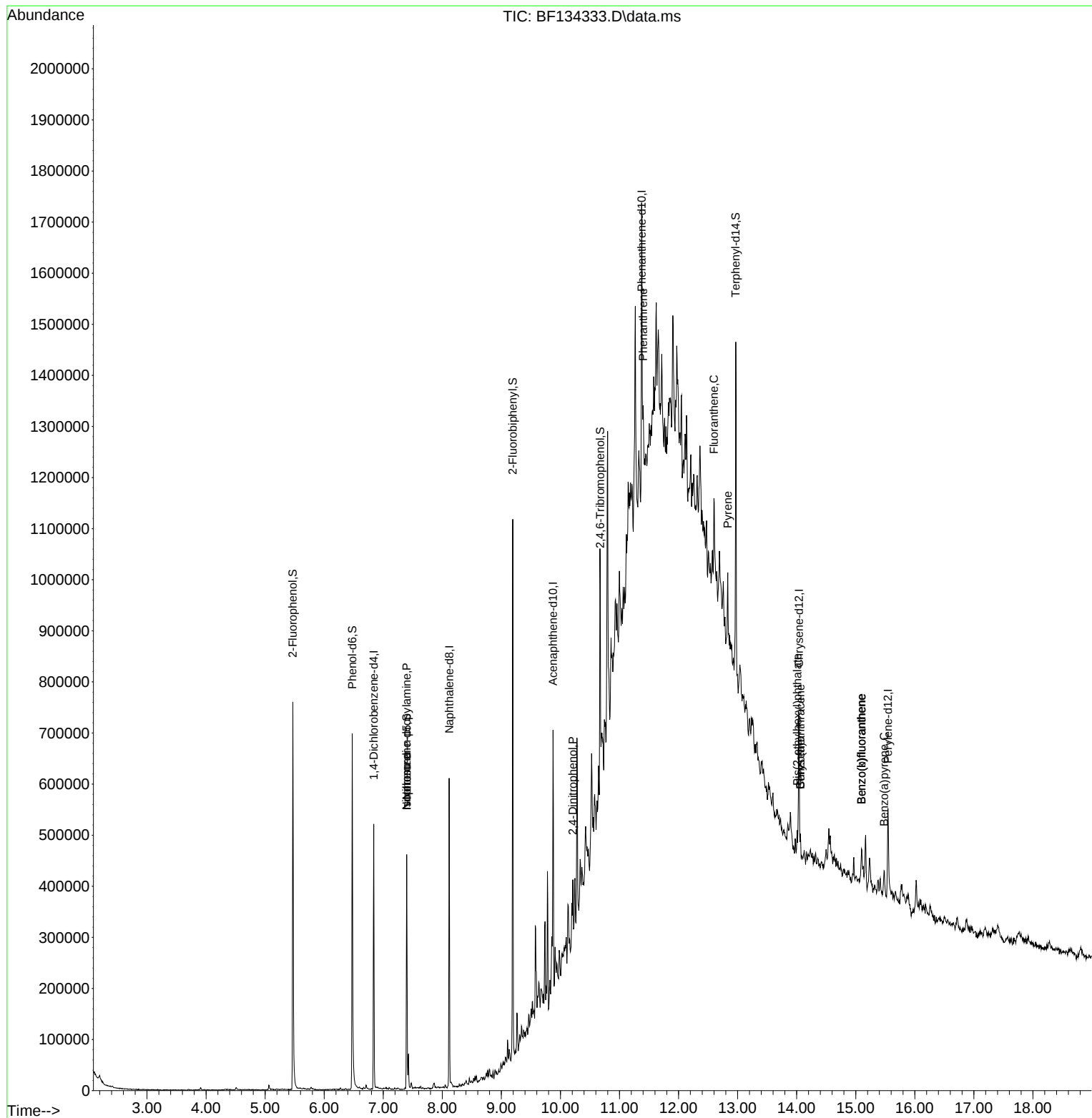
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	69887	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	228599	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	91159	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	167222	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	92006	20.000	ng	0.00
86) Perylene-d12	15.545	264	81812	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	194527	46.561	ng	0.00
7) Phenol-d6	6.475	99	203777	39.661	ng	-0.01
23) Nitrobenzene-d5	7.398	82	123878	29.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	52177	45.651	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	270624	43.162	ng	-0.01
79) Terphenyl-d14	12.969	244	210982	36.906	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	501	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.398	70	18734	5.750 ng	#	80
25) Isophorone	7.398	82	123875	16.073 ng	#	64
54) 2,4-Dinitrophenol	10.210	184	849	4.845 ng		93
71) Phenanthrene	11.398	178	34154	4.057 ng	#	85
75) Fluoranthene	12.598	202	60355	6.632 ng		95
78) Pyrene	12.833	202	49599	5.793 ng		97
81) Benzo(a)anthracene	14.063	228	25516	3.999 ng		93
83) Chrysene	14.063	228	25516	4.129 ng		96
84) Bis(2-ethylhexyl)phtha...	14.010	149	14582	3.952 ng	#	86
88) Benzo(b)fluoranthene	15.098	252	47226	9.817 ng	#	77
89) Benzo(k)fluoranthene	15.098	252	47226	9.642 ng	#	76
90) Benzo(a)pyrene	15.480	252	18038	3.878 ng	#	74

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

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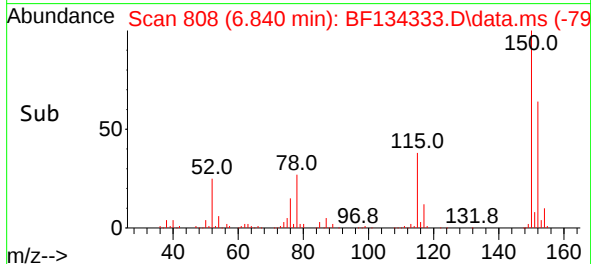
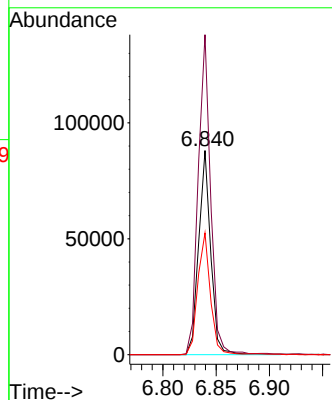
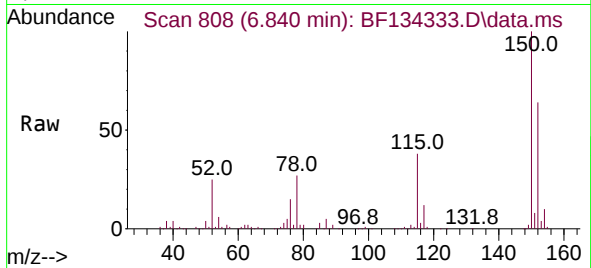




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

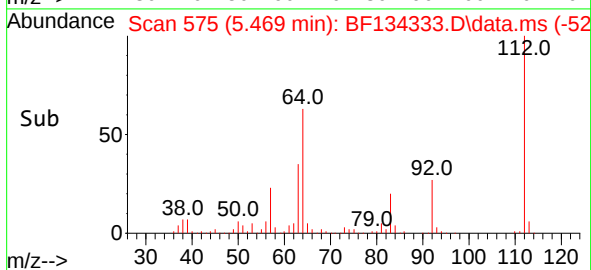
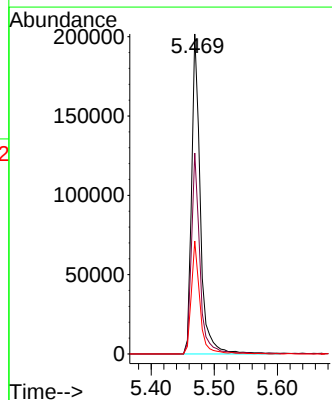
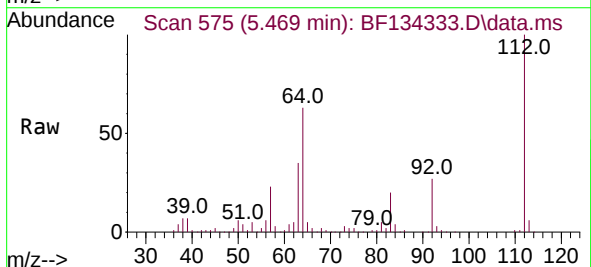
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 69887
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 59.7 50.2 75.2



#5
2-Fluorophenol
Concen: 46.561 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:112 Resp: 194527
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 35.3 28.6 42.8

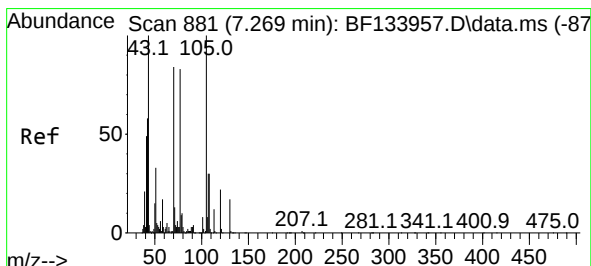
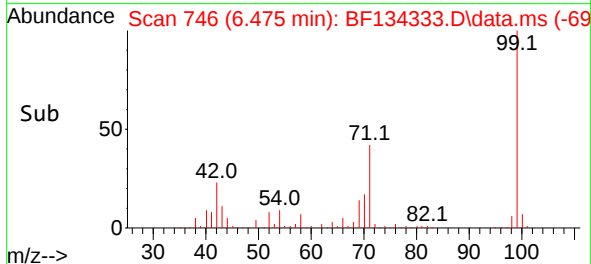
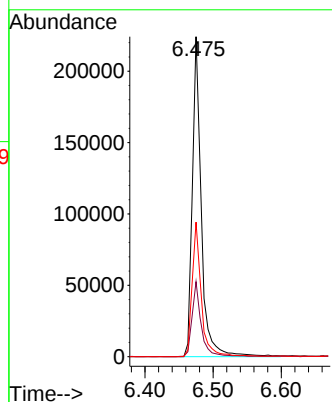
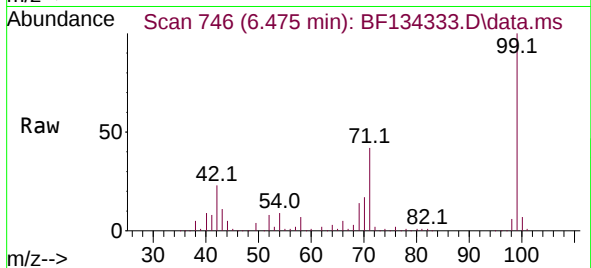




#7
Phenol-d6
Concen: 39.661 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

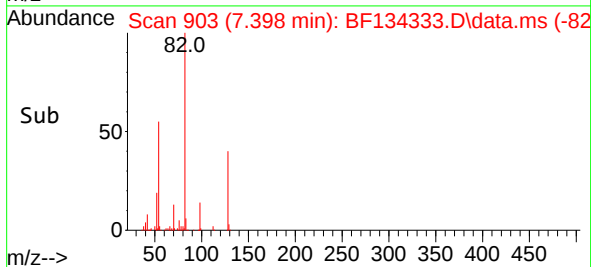
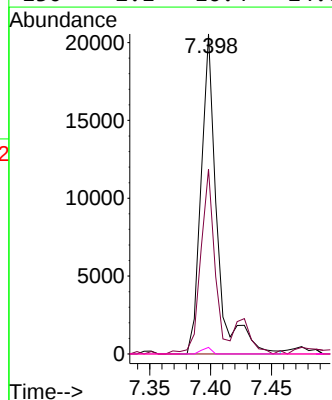
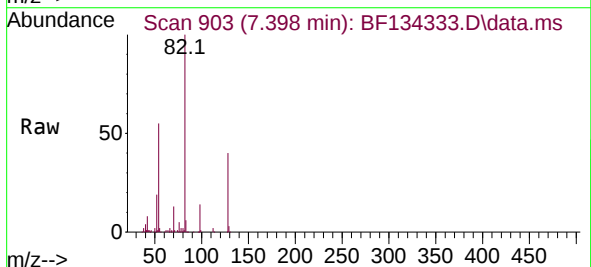
Instrument :
BNA_F
ClientSampleId :
WC-1

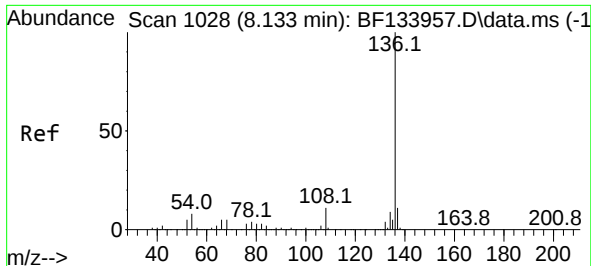
Tgt Ion: 99 Resp: 203777
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 42.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.750 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion: 70 Resp: 18734
Ion Ratio Lower Upper
70 100
42 57.7 54.7 82.1
101 0.0 7.7 11.5#
130 2.1 16.4 24.6#



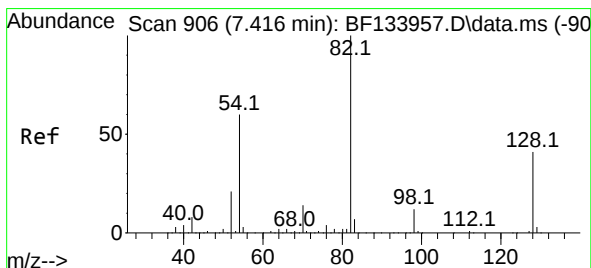
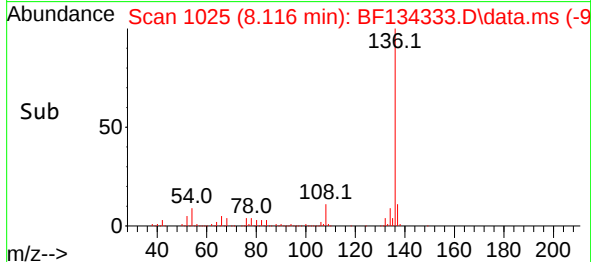
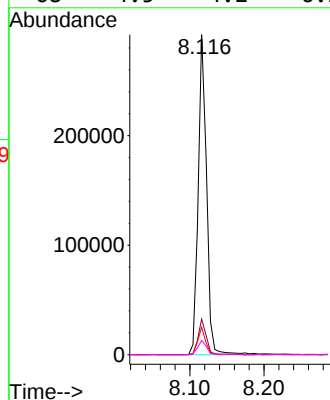
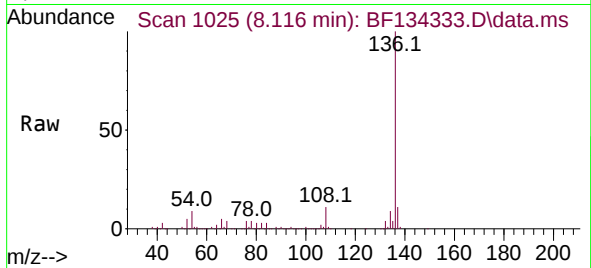


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 228599

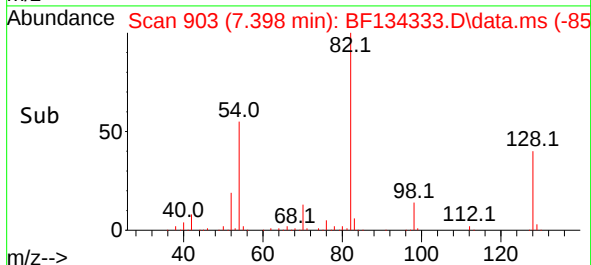
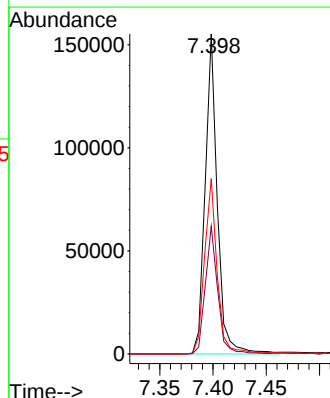
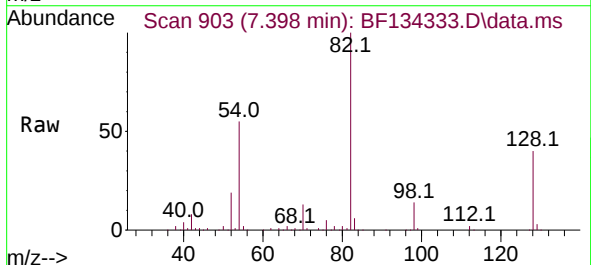
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	8.5	6.5	9.7
68	4.5	4.2	6.2

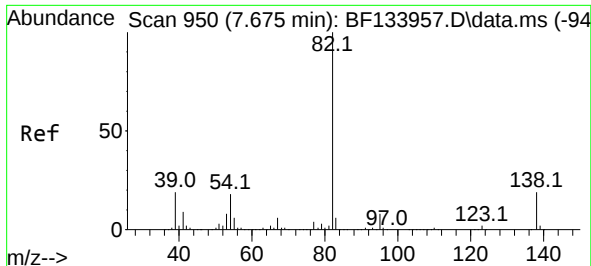


#23
Nitrobenzene-d5
Concen: 29.211 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion: 82 Resp: 123878

Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.5	48.7
54	54.8	48.2	72.2

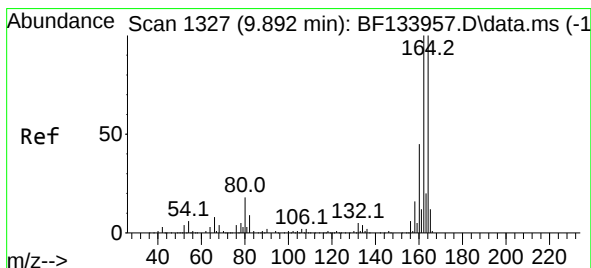
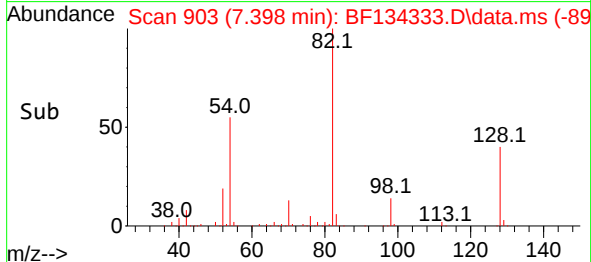
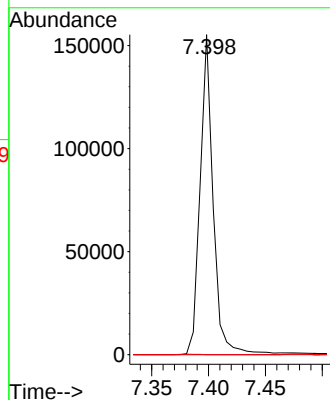
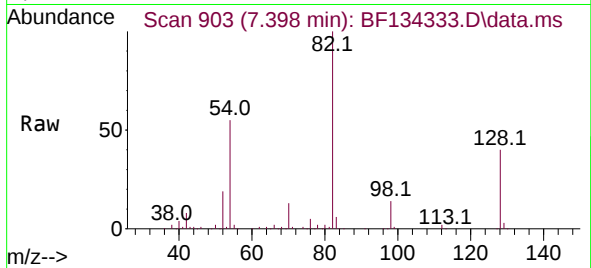




#25
Isophorone
Concen: 16.073 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

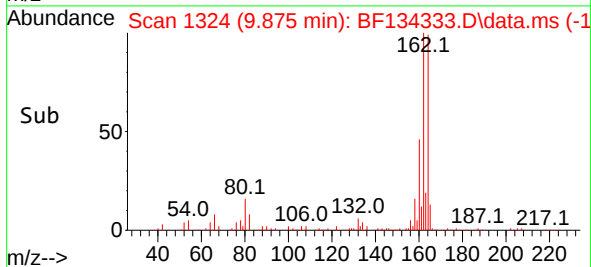
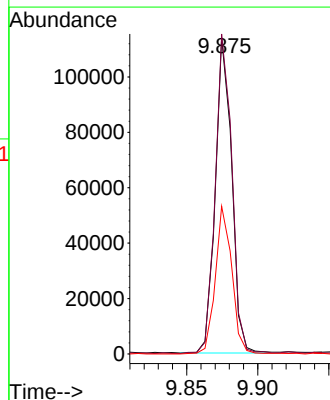
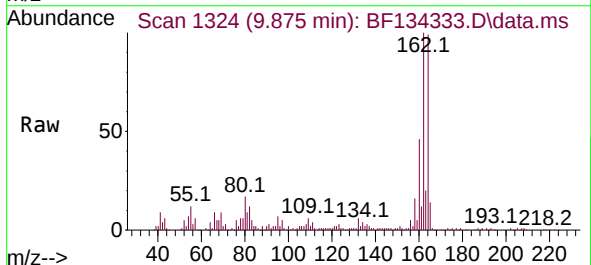
Instrument :
BNA_F
ClientSampleId :
WC-1

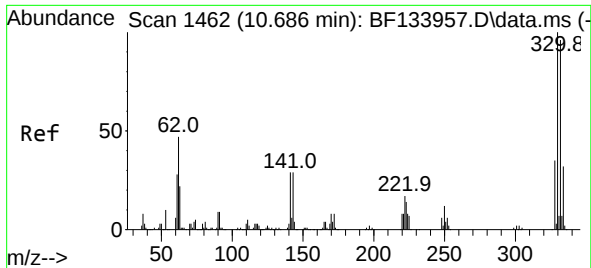
Tgt Ion: 82 Resp: 123875
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:164 Resp: 91159
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 46.7 35.9 53.9

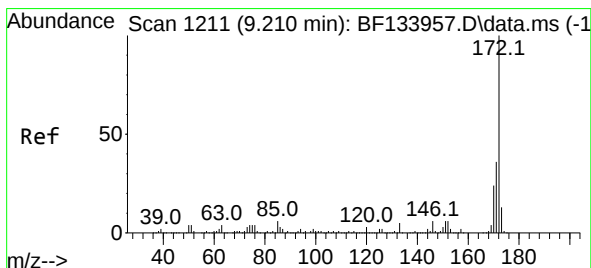
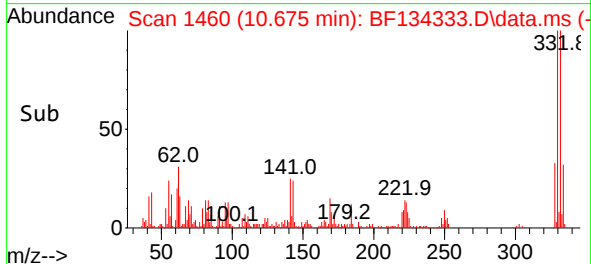
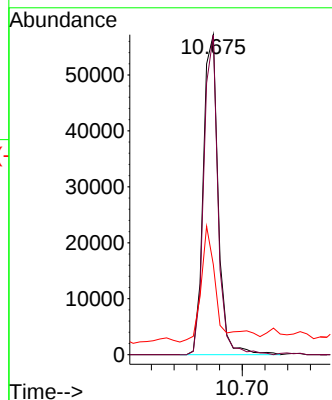
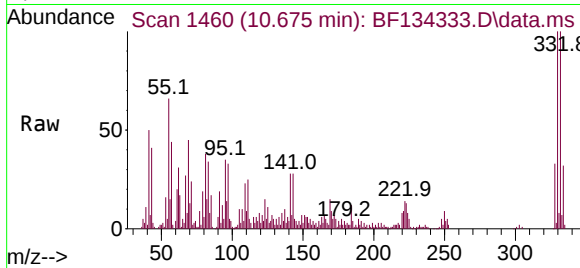




#42
2,4,6-Tribromophenol
Concen: 45.651 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

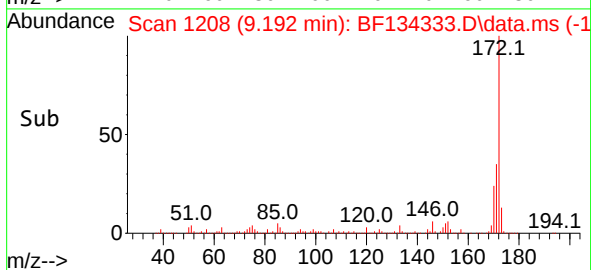
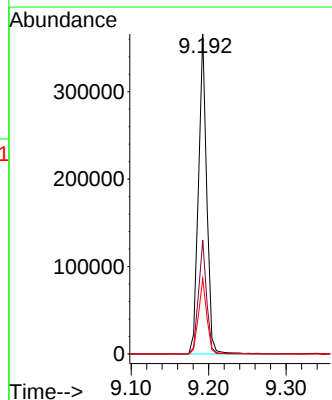
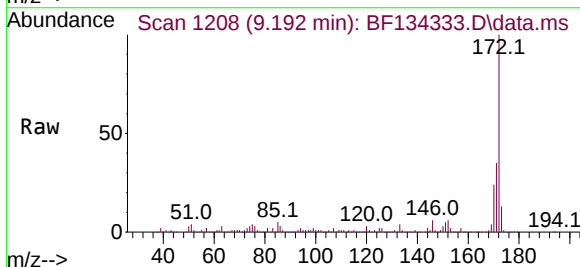
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ClientSampleId :
WC-1

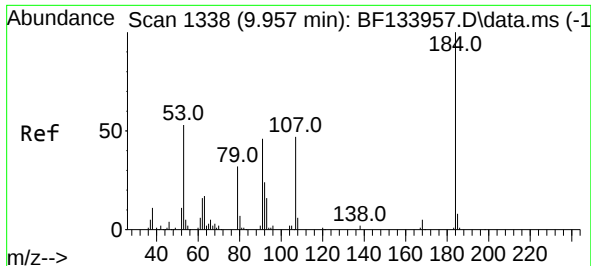
Tgt Ion:330 Resp: 52177
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.6
141 34.3 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 43.162 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:172 Resp: 270624
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.4 29.0

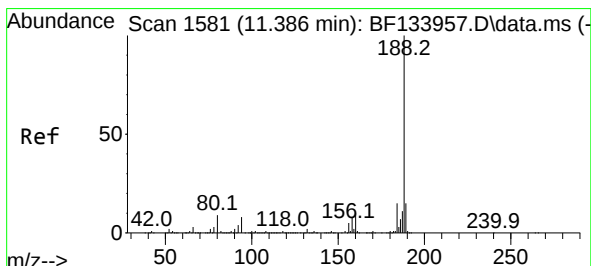
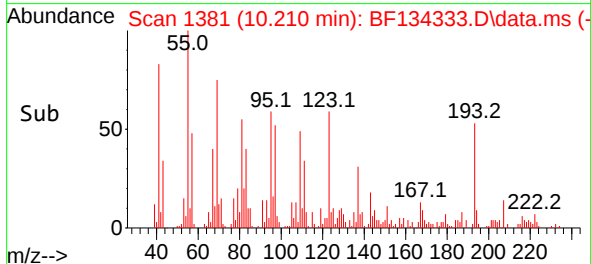
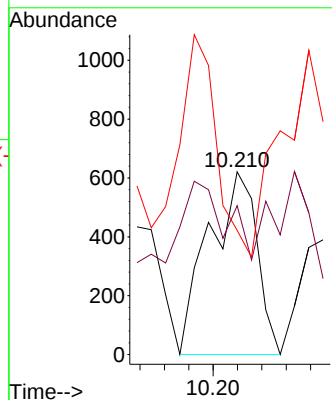
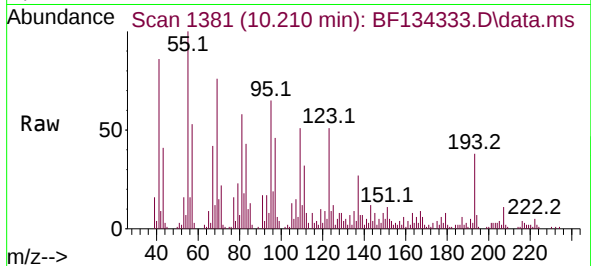




#54
2,4-Dinitrophenol
Concen: 4.845 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

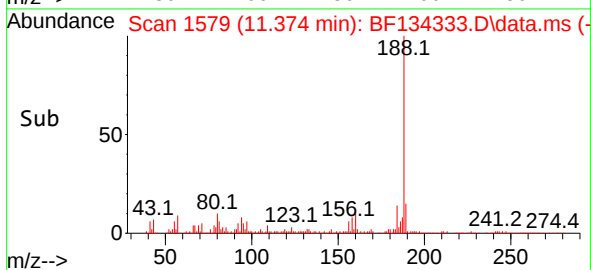
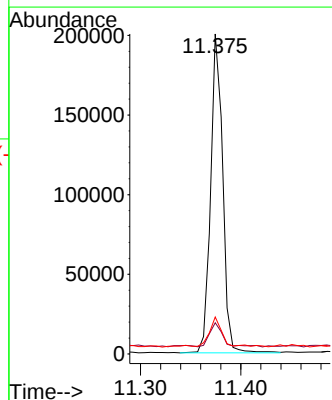
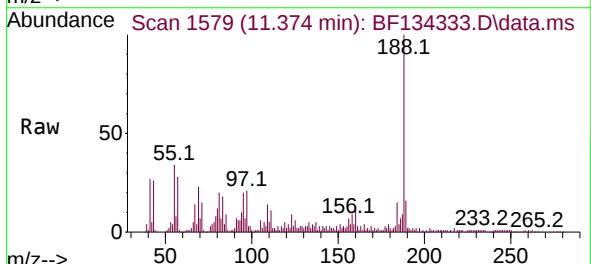
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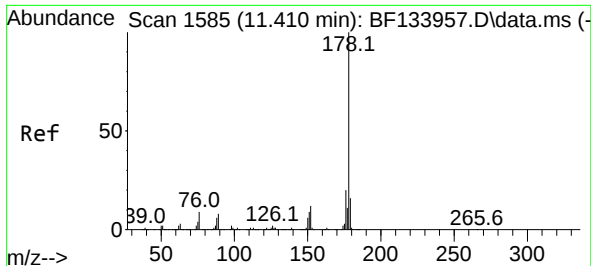
Tgt Ion:184 Resp: 849
Ion Ratio Lower Upper
184 100
63 81.5 56.9 85.3
154 68.0 55.4 83.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:188 Resp: 167222
Ion Ratio Lower Upper
188 100
94 9.7 6.4 9.6#
80 11.6 7.3 10.9#

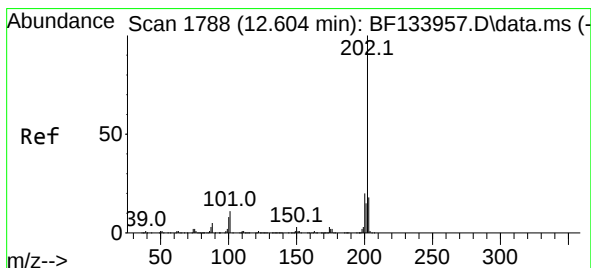
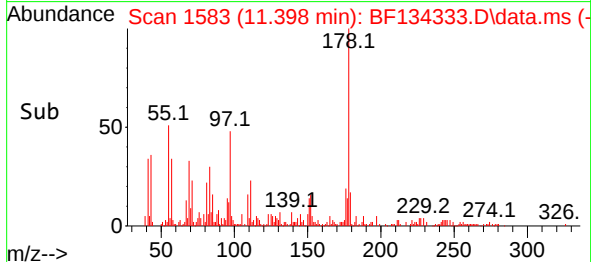
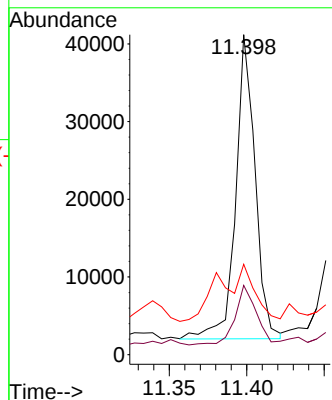
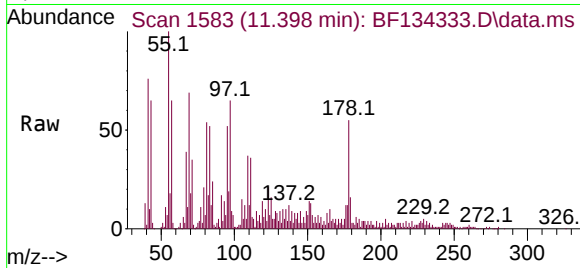




#71
Phenanthrene
Concen: 4.057 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

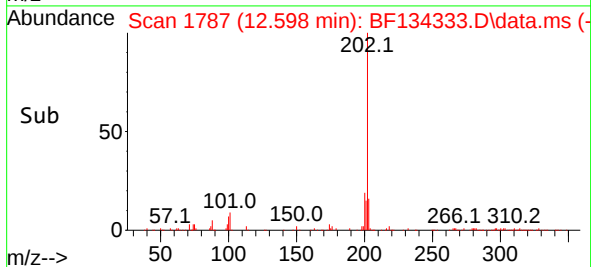
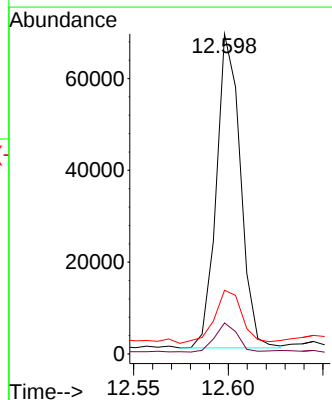
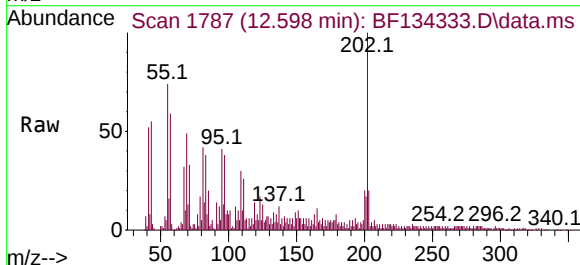
Instrument :
BNA_F
ClientSampleId :
WC-1

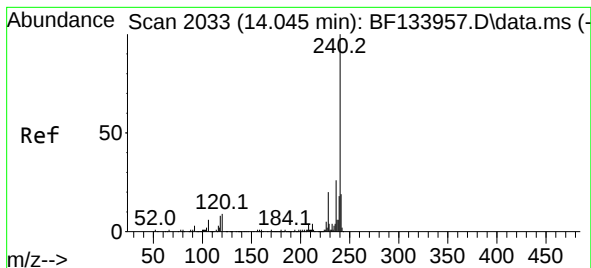
Tgt Ion:178 Resp: 34154
Ion Ratio Lower Upper
178 100
176 21.7 16.0 24.0
179 28.3 12.4 18.6#



#75
Fluoranthene
Concen: 6.632 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:202 Resp: 60355
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.0
203 19.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNA_F

ClientSampleId :

WC-1

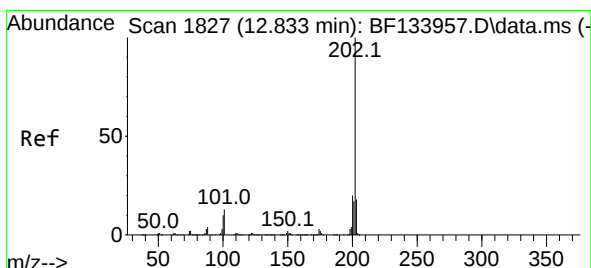
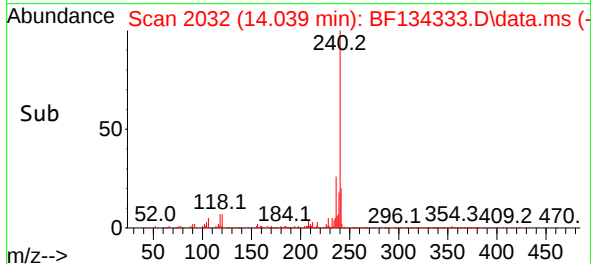
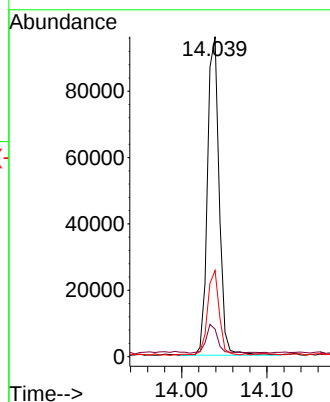
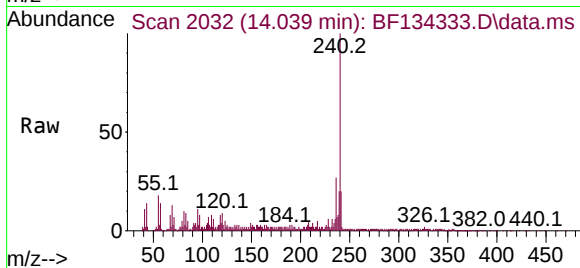
Tgt Ion:240 Resp: 92006

Ion Ratio Lower Upper

240 100

120 8.6 7.4 11.0

236 26.9 21.0 31.6



#78

Pyrene

Concen: 5.793 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

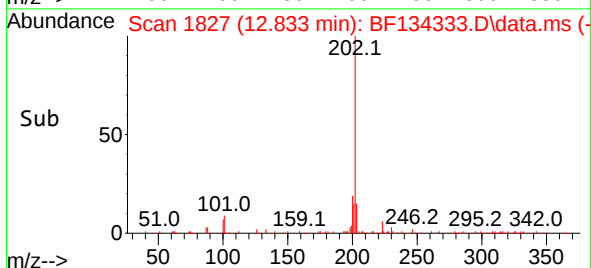
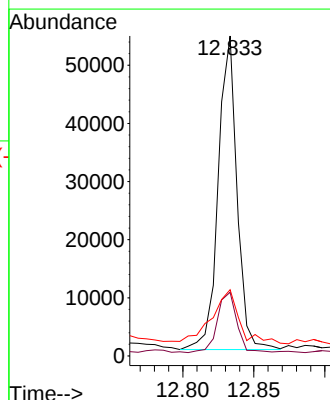
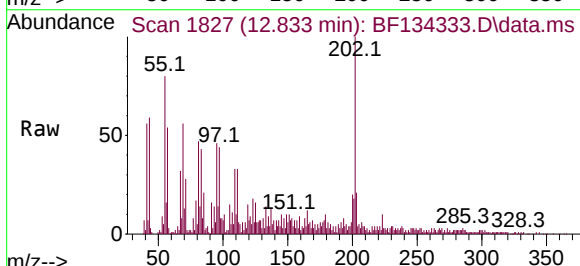
Tgt Ion:202 Resp: 49599

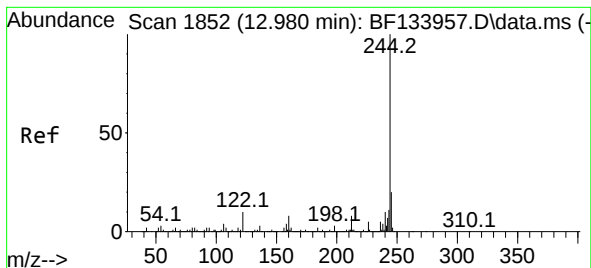
Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 20.7 14.3 21.5





#79

Terphenyl-d14

Concen: 36.906 ng

RT: 12.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNA_F

ClientSampleId :

WC-1

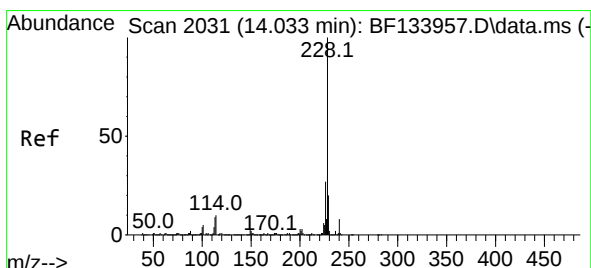
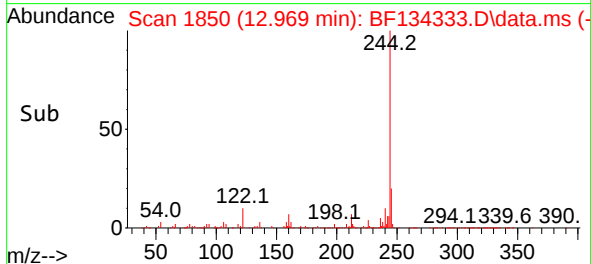
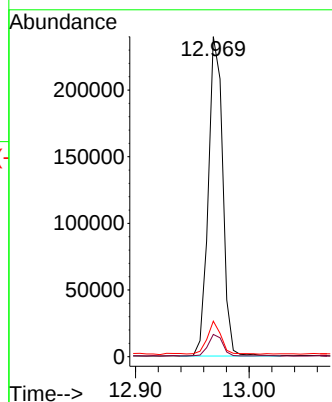
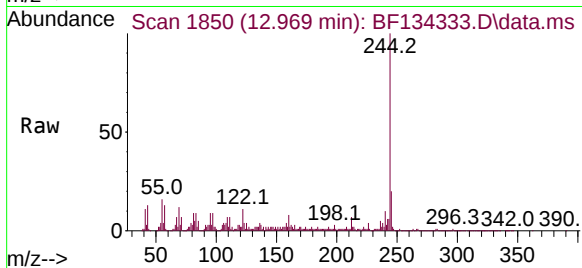
Tgt Ion:244 Resp: 210982

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 11.1 8.3 12.5



#81

Benzo(a)anthracene

Concen: 3.999 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.035 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

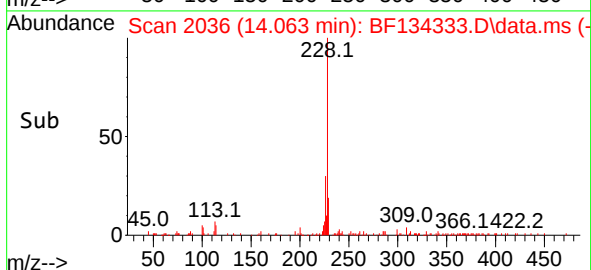
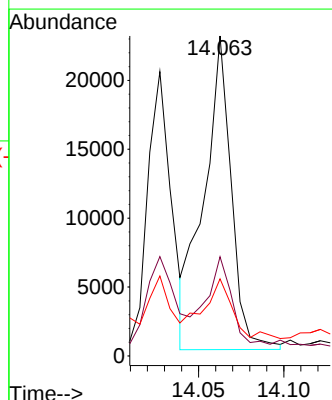
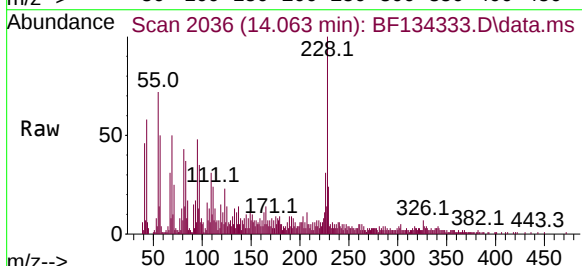
Tgt Ion:228 Resp: 25516

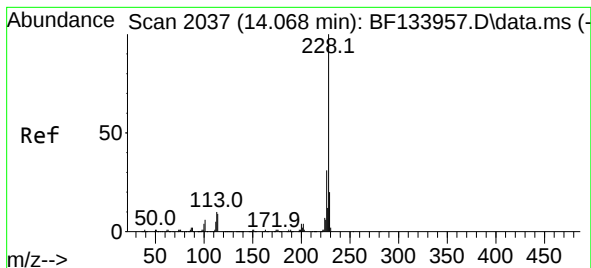
Ion Ratio Lower Upper

228 100

226 31.0 22.0 33.0

229 24.1 16.3 24.5





#83

Chrysene

Concen: 4.129 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

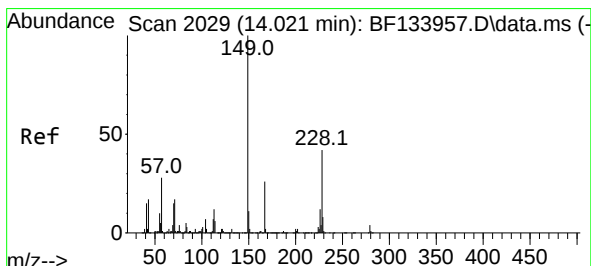
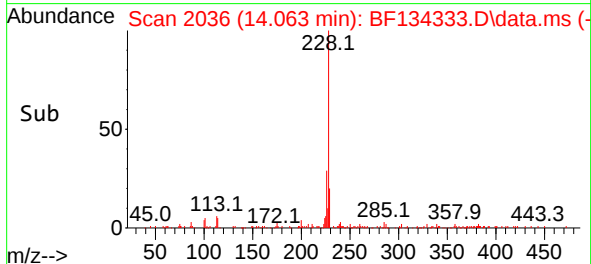
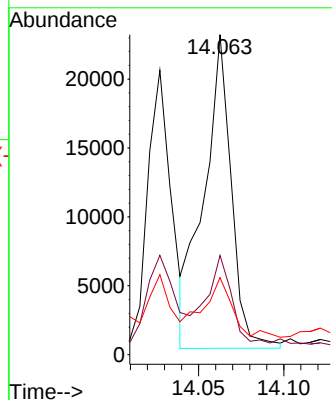
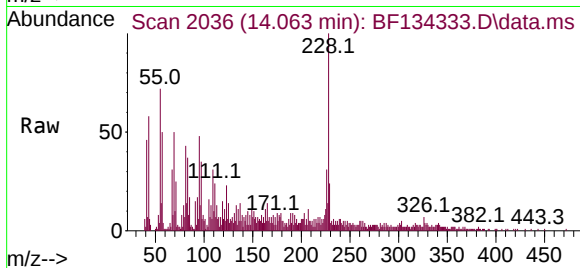
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228	Resp:	25516
Ion Ratio	Lower	Upper
228	100	
226	31.0	24.4 36.6
229	24.1	16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.952 ng

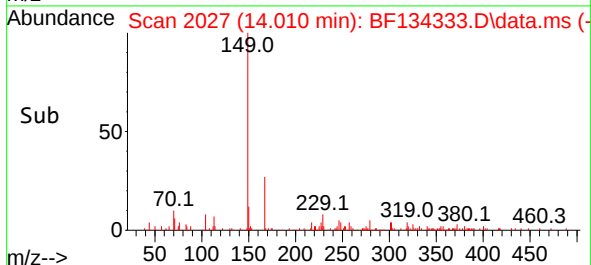
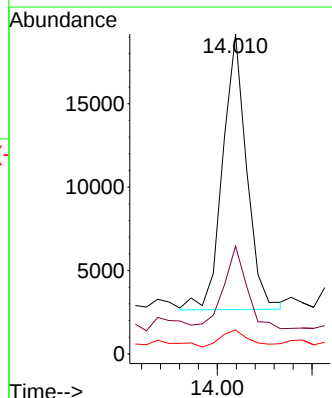
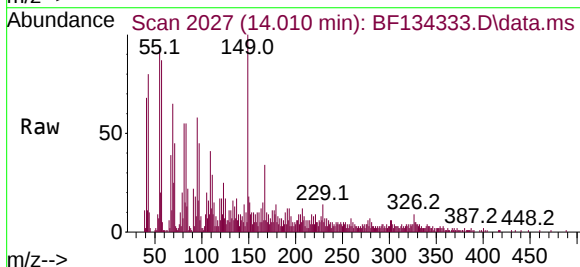
RT: 14.010 min Scan# 2027

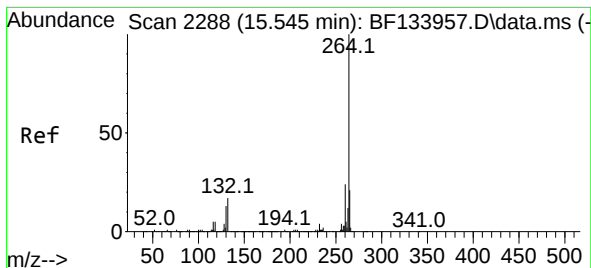
Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Tgt Ion:149	Resp:	14582
Ion Ratio	Lower	Upper
149	100	
167	33.7	21.0 31.4#
279	7.5	3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNA_F

ClientSampleId :

WC-1

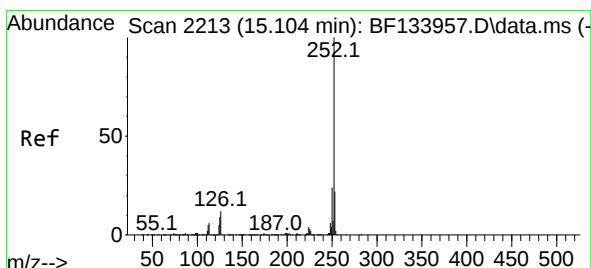
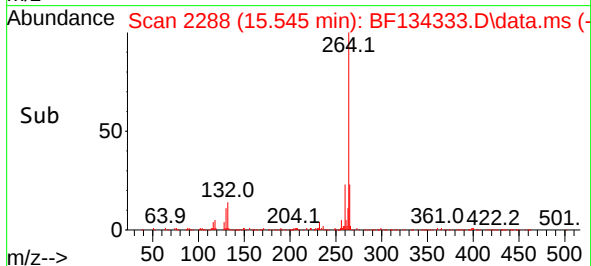
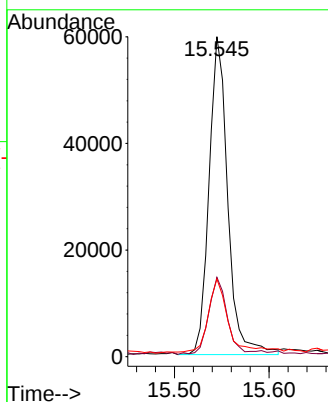
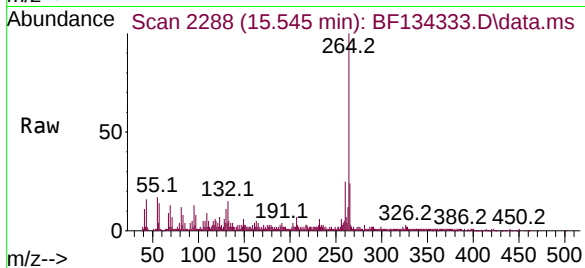
Tgt Ion:264 Resp: 81812

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 24.3 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 9.817 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

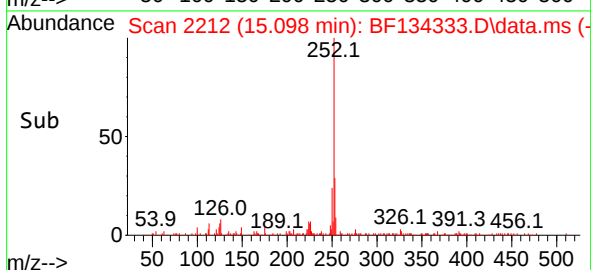
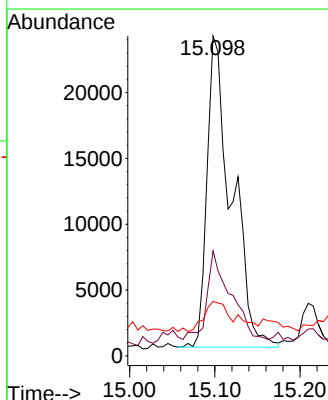
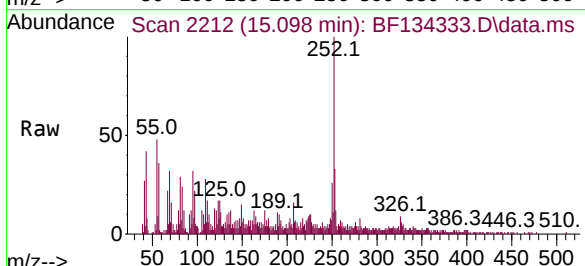
Tgt Ion:252 Resp: 47226

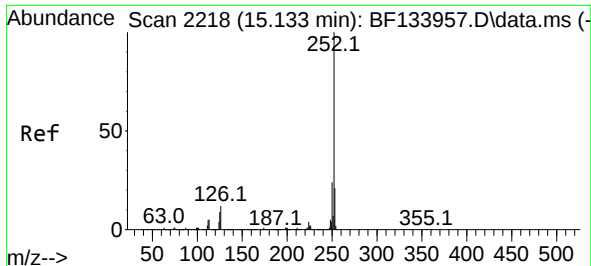
Ion Ratio Lower Upper

252 100

253 32.8 17.4 26.0#

125 17.0 7.1 10.7#

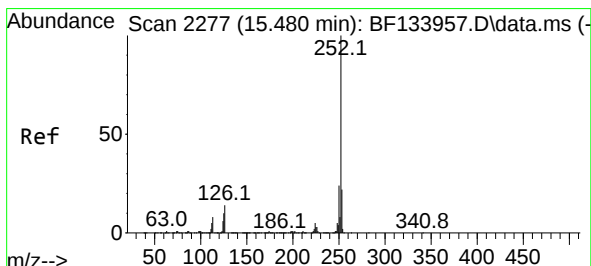
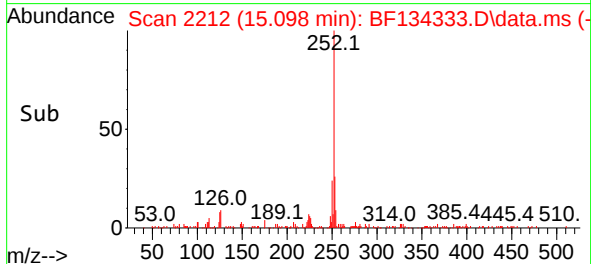
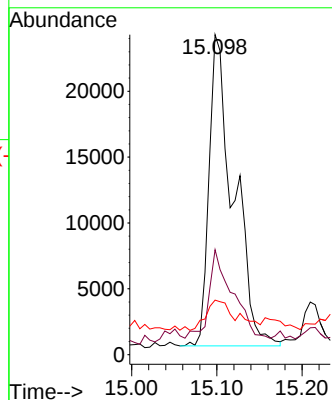
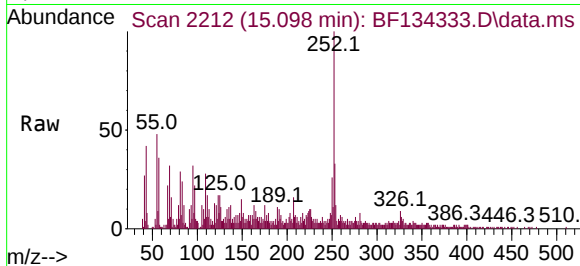




#89
Benzo(k)fluoranthene
Concen: 9.642 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 47226
Ion Ratio Lower Upper
252 100
253 32.8 16.9 25.3#
125 17.0 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 3.878 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:252 Resp: 18038
Ion Ratio Lower Upper
252 100
253 29.9 17.4 26.0#
125 26.8 8.4 12.6#

