

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130905.D
 Acq On : 01 Nov 2022 17:47
 Operator : CG\JU
 Sample : N5235-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 08:22:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

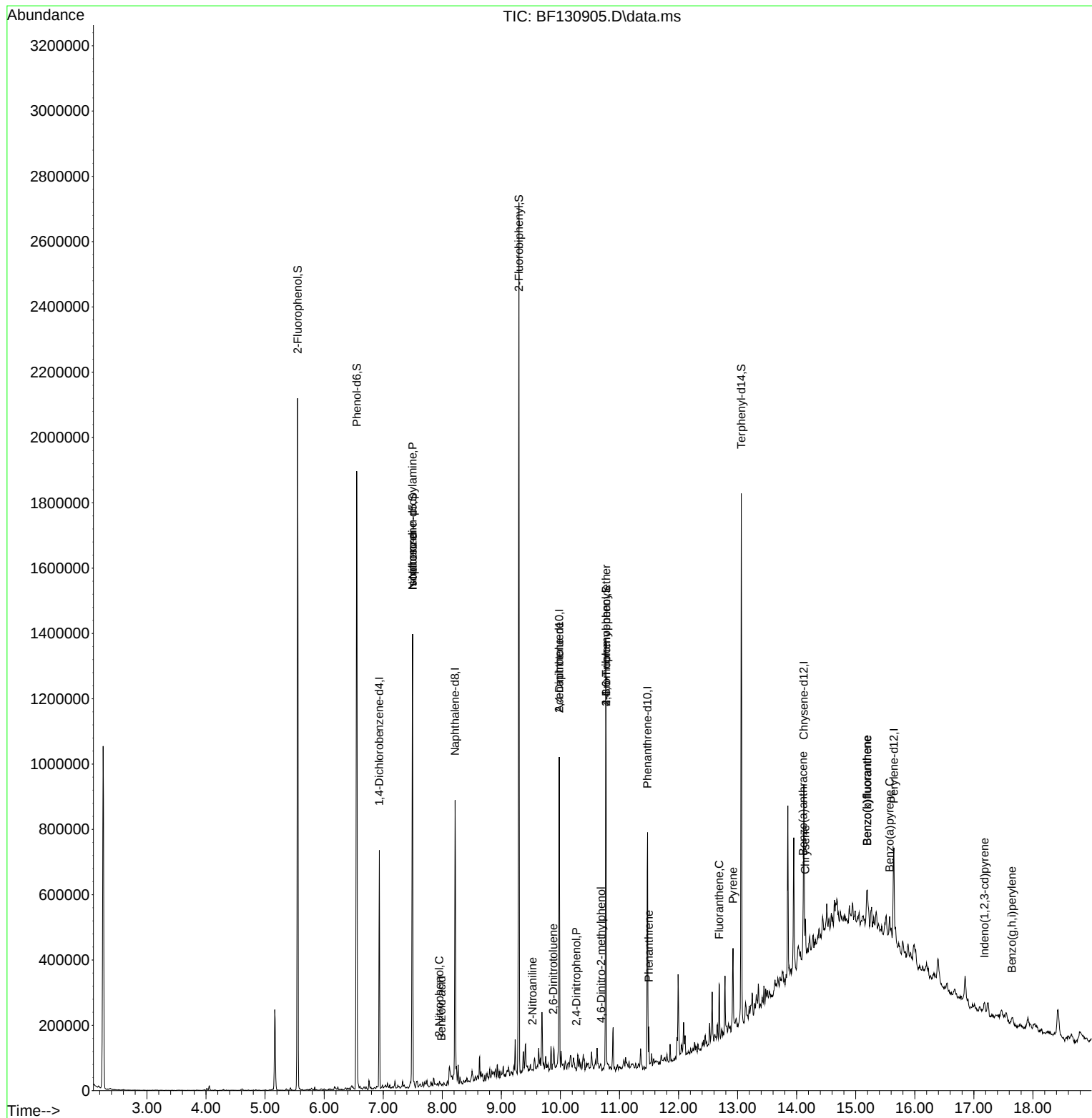
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	88231	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	340315	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	172975	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	245733	20.000	ng	0.00
76) Chrysene-d12	14.122	240	156058	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	132197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	508788	99.969	ng	0.00
7) Phenol-d6	6.551	99	647667	97.928	ng	0.00
23) Nitrobenzene-d5	7.498	82	439153	77.811	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	135418	93.000	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	731031	63.896	ng	0.00
79) Terphenyl-d14	13.063	244	492779	57.863	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.498	70	64163	14.259	ng	# 79
25) Isophorone	7.498	82	436065	37.468	ng	# 66
26) 2-Nitrophenol	7.951	139	73	4.109	ng	# 1
32) Benzoic acid	7.987	122	82	7.700	ng	# 49
48) 2-Nitroaniline	9.528	65	202	4.205	ng	# 58
51) 2,6-Dinitrotoluene	9.881	165	1176	3.279	ng	# 13
54) 2,4-Dinitrophenol	10.269	184	53	4.221	ng	# 9
57) 2,4-Dinitrotoluene	9.981	165	22442	11.005	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.692	198	62	7.979	ng	# 1
67) 4-Bromophenyl-phenylether	10.775	248	8931	3.614	ng	# 1
71) Phenanthrene	11.498	178	42592	3.358	ng	98
75) Fluoranthene	12.686	202	63264	4.695	ng	98
78) Pyrene	12.922	202	93603	7.109	ng	100
81) Benzo(a)anthracene	14.110	228	47556	4.596	ng	96
83) Chrysene	14.145	228	50167	5.027	ng	96
87) Indeno(1,2,3-cd)pyrene	17.180	276	19207	2.188	ng	92
88) Benzo(b)fluoranthene	15.192	252	66214	7.748	ng	# 77
89) Benzo(k)fluoranthene	15.192	252	66214	7.952	ng	# 78
90) Benzo(a)pyrene	15.574	252	39639	5.770	ng	# 84
92) Benzo(g,h,i)perylene	17.645	276	20248	2.773	ng	# 92

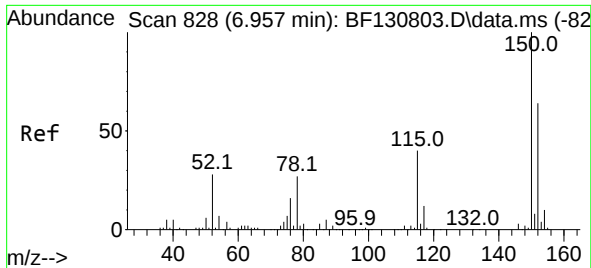
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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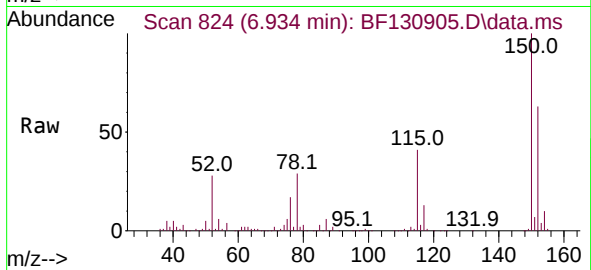
Quant Time: Nov 02 08:22:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 08:18:35 2022
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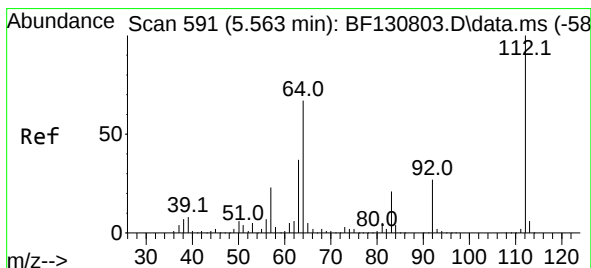
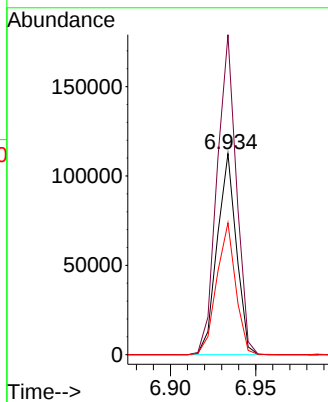
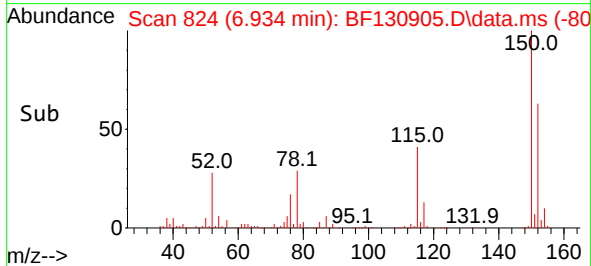


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

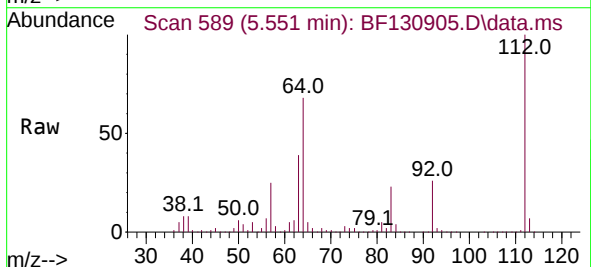
Instrument :
BNA_F
ClientSampleId :



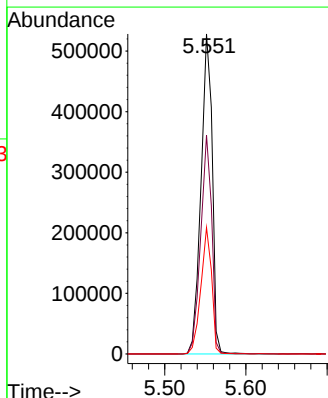
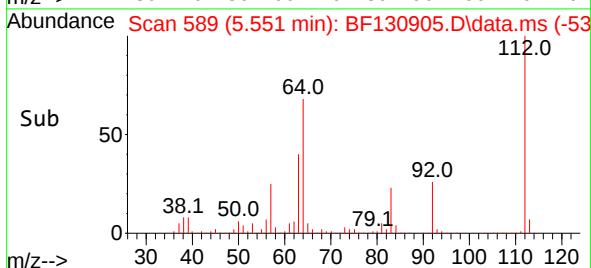
Tgt Ion:152 Resp: 88231
Ion Ratio Lower Upper
152 100
150 159.1 124.1 186.1
115 65.5 50.1 75.1

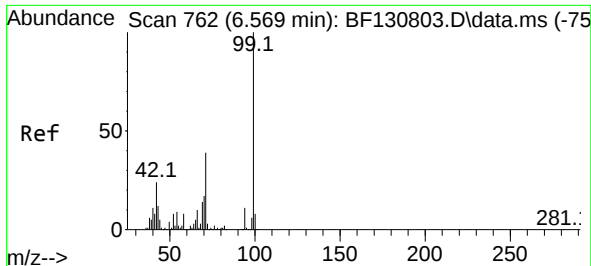


#5
2-Fluorophenol
Concen: 99.969 ng
RT: 5.551 min Scan# 589
Delta R.T. 0.000 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47



Tgt Ion:112 Resp: 508788
Ion Ratio Lower Upper
112 100
64 68.4 53.9 80.9
63 39.5 29.4 44.2

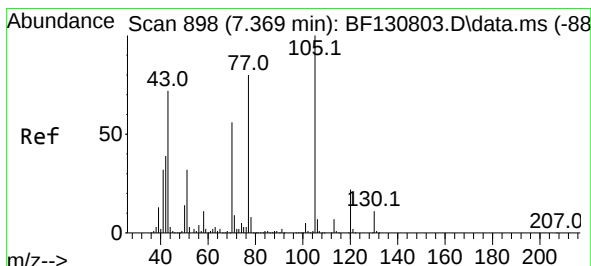
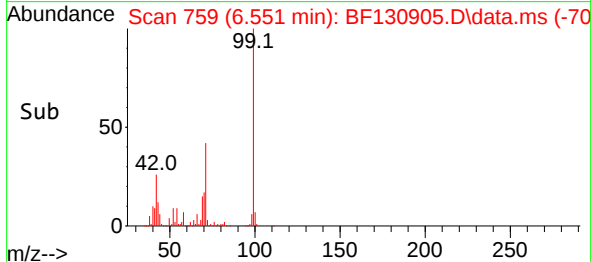
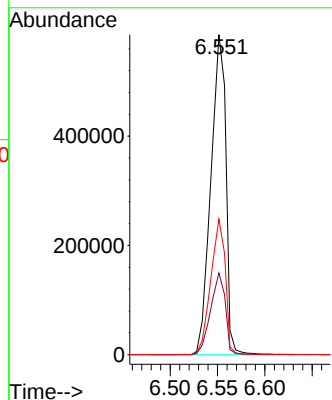
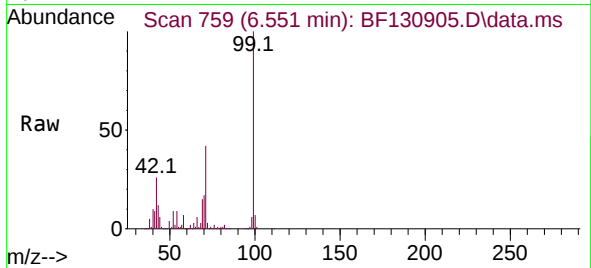




#7
Phenol-d6
Concen: 97.928 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

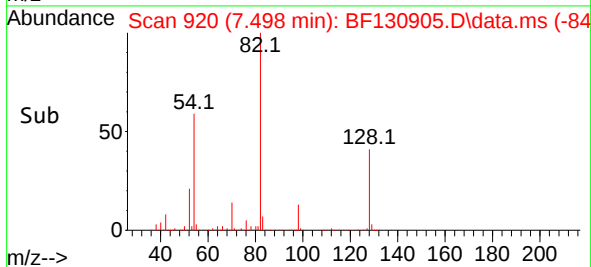
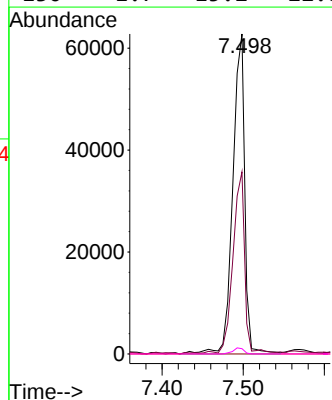
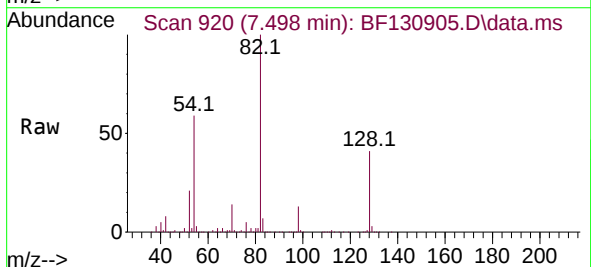
Instrument :
BNA_F
ClientSampleId :

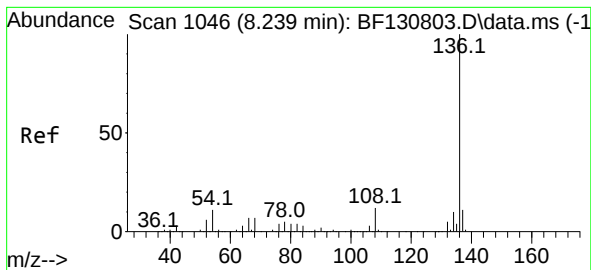
Tgt Ion: 99 Resp: 647667
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 42.4 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.259 ng
RT: 7.498 min Scan# 920
Delta R.T. 0.147 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

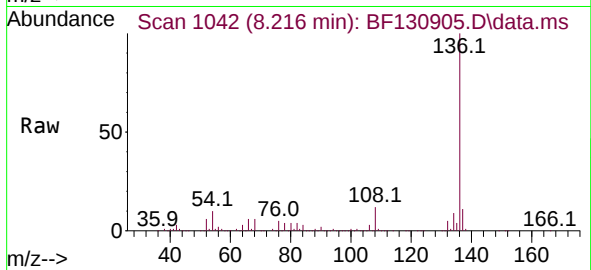
Tgt Ion: 70 Resp: 64163
Ion Ratio Lower Upper
70 100
42 56.9 56.1 84.1
101 0.0 7.3 10.9#
130 1.7 15.2 22.8#



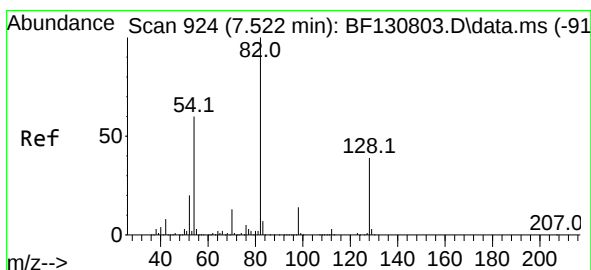
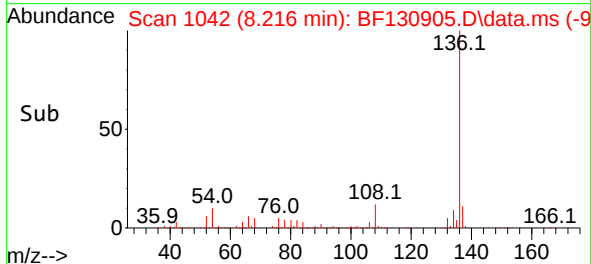
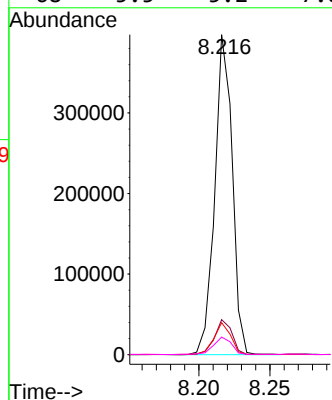


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Instrument :
BNA_F
ClientSampleId :

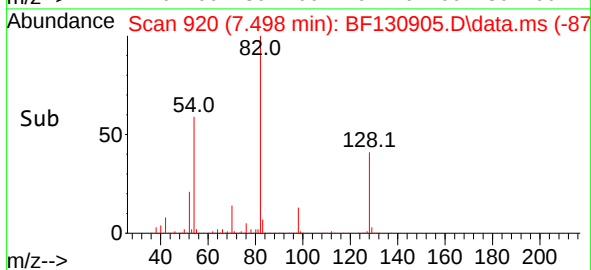
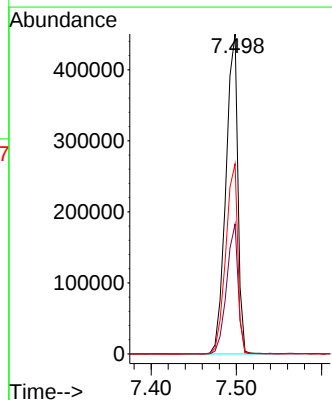
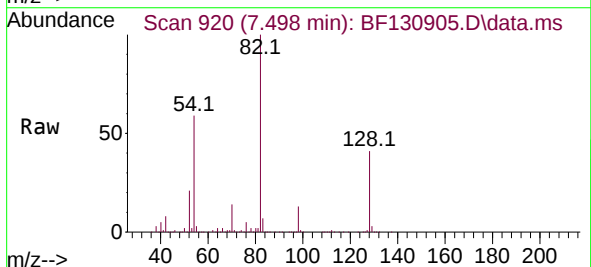


Tgt Ion:	136	Resp:	340315
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	10.0	8.8	13.2
68	5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 77.811 ng
RT: 7.498 min Scan# 920
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

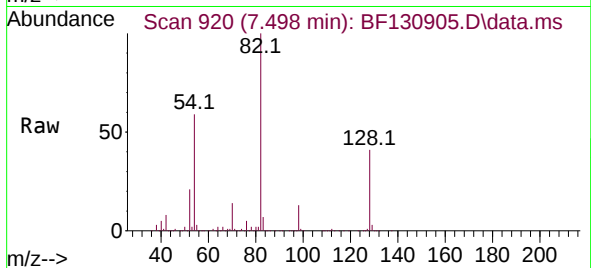
Tgt Ion:	82	Resp:	439153
Ion Ratio	Lower	Upper	
82	100		
128	40.6	31.2	46.8
54	59.4	48.0	72.0



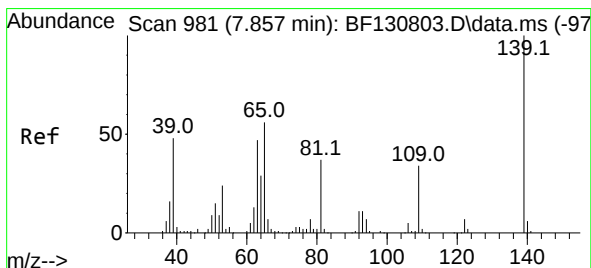
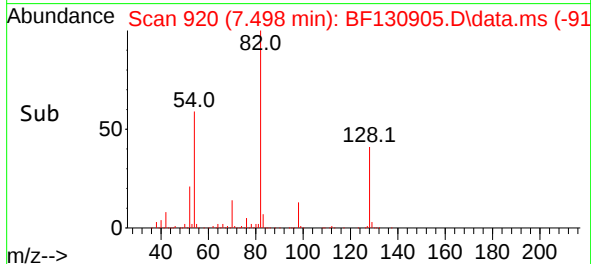
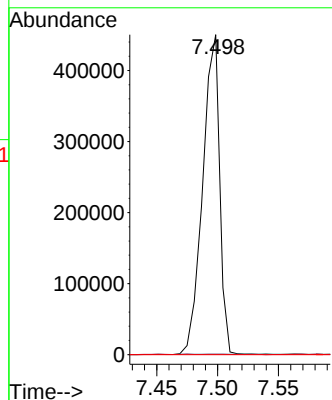


#25
Isophorone
Concen: 37.468 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Instrument :
BNA_F
ClientSampleId :

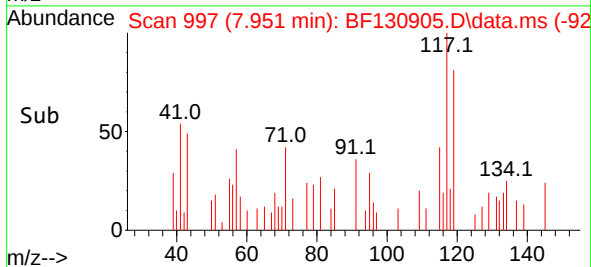
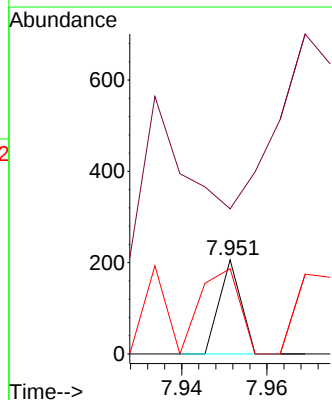
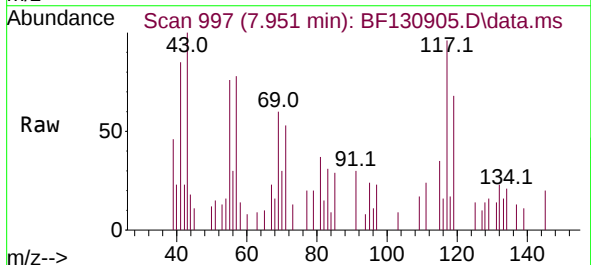


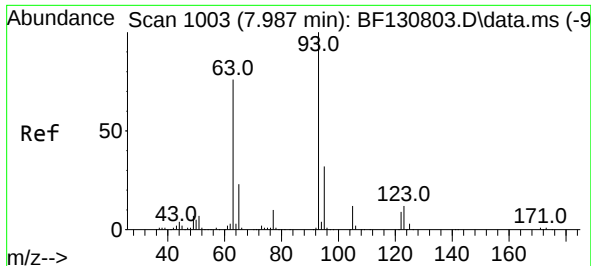
Tgt Ion: 82 Resp: 436065
Ion Ratio Lower Upper
82 100
95 0.2 6.2 9.4#
138 0.0 13.8 20.6#



#26
2-Nitrophenol
Concen: 4.109 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.112 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:139 Resp: 73
Ion Ratio Lower Upper
139 100
109 154.4 27.3 40.9#
65 90.8 44.6 67.0#

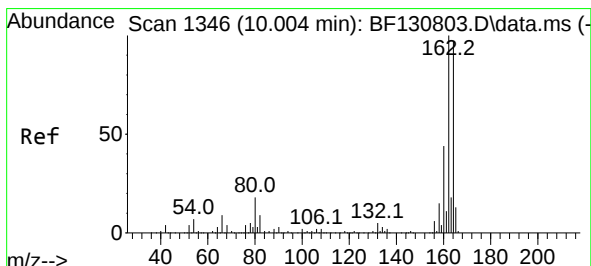
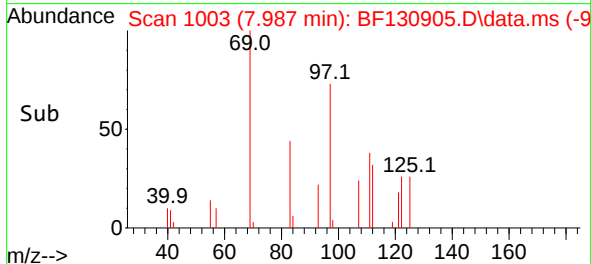
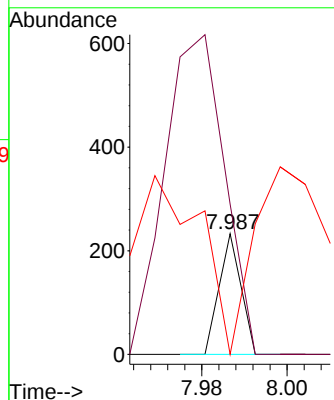
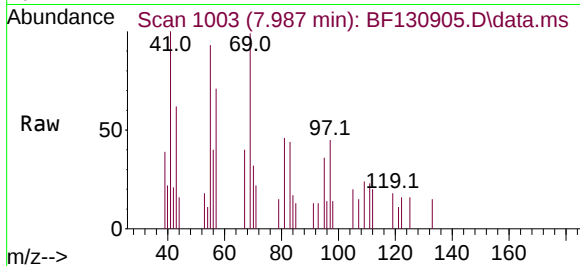




#32
Benzoic acid
Concen: 7.700 ng
RT: 7.987 min Scan# 1003
Delta R.T. 0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

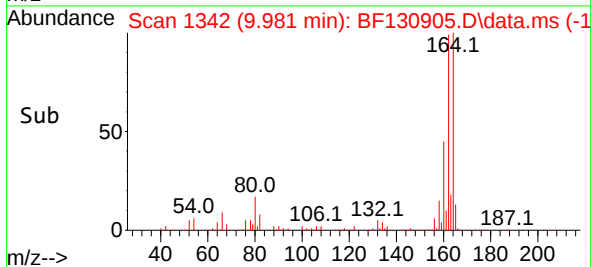
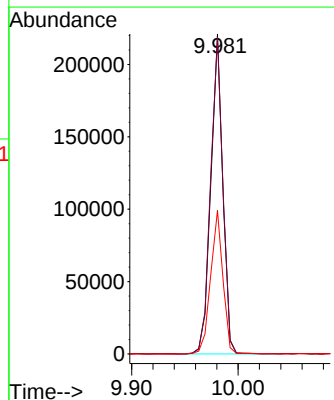
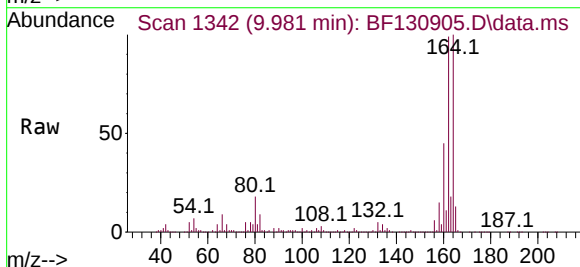
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BNA_F
ClientSampleId :

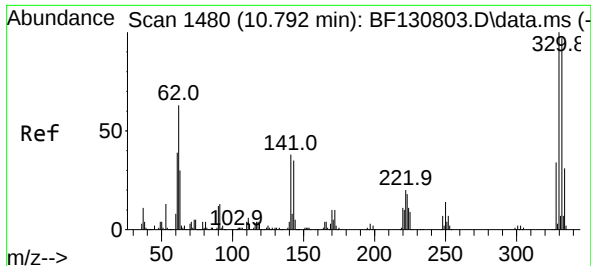
Tgt Ion:122 Resp: 82
Ion Ratio Lower Upper
122 100
105 124.5 114.5 154.5
77 0.0 89.8 129.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:164 Resp: 172975
Ion Ratio Lower Upper
164 100
162 98.9 82.2 123.2
160 44.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 93.000 ng

RT: 10.775 min Scan# 14

Delta R.T. -0.006 min

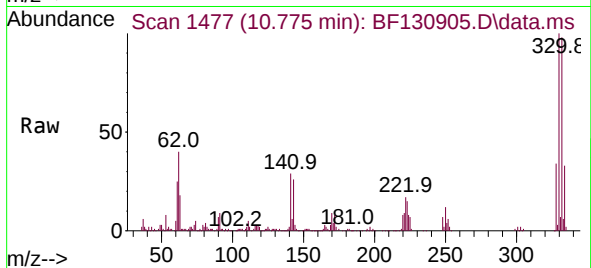
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Acq: 01 Nov 2022 17:47

Instrument :

BNA_F

ClientSampleId :



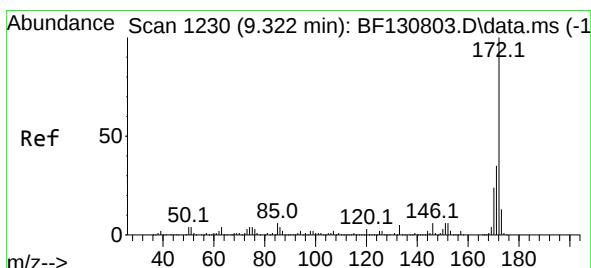
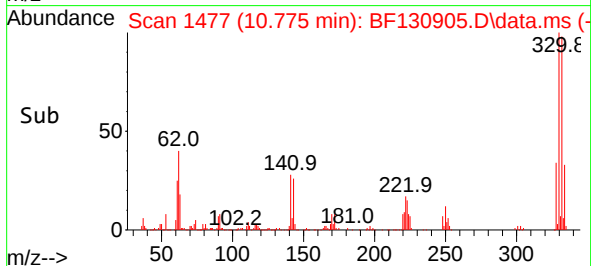
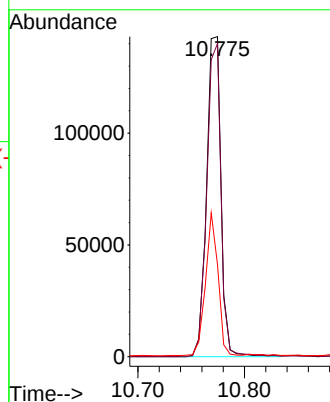
Tgt Ion:330 Resp: 135418

Ion Ratio Lower Upper

330 100

332 96.2 76.2 114.4

141 38.7 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 63.896 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

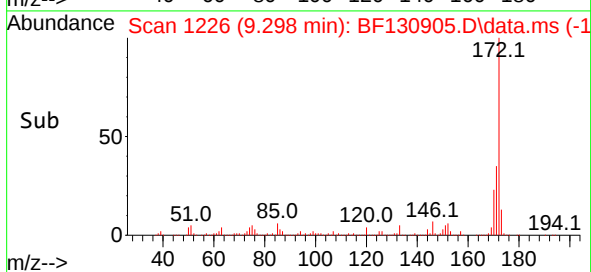
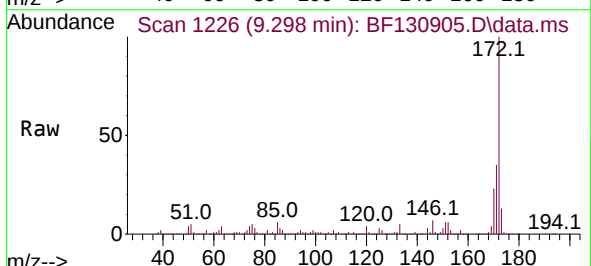
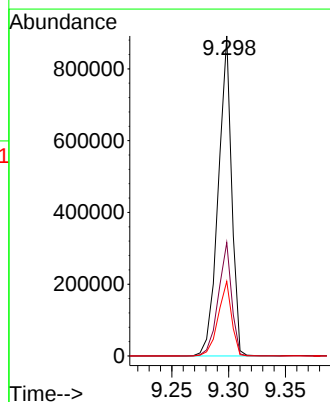
Tgt Ion:172 Resp: 731031

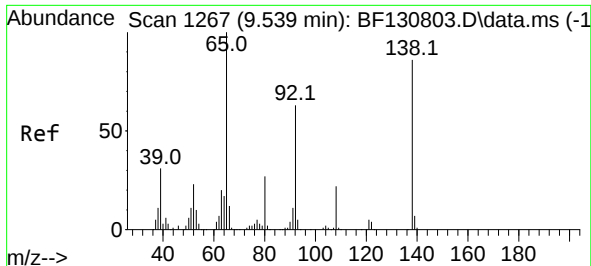
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.3 19.0 28.4

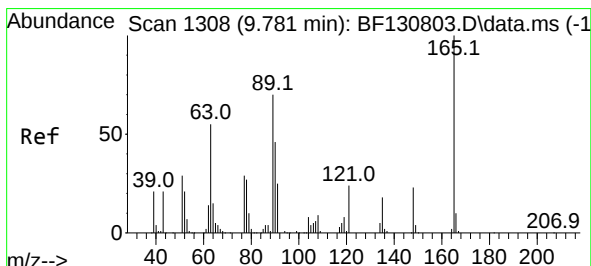
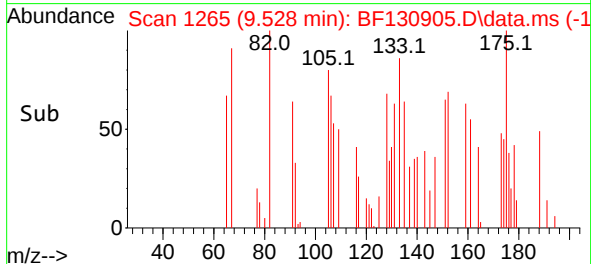
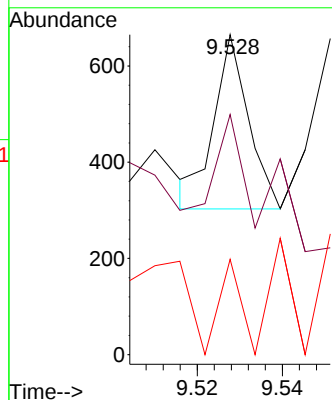
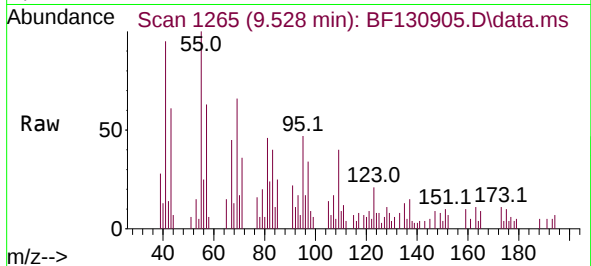




#48
2-Nitroaniline
Concen: 4.205 ng
RT: 9.528 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

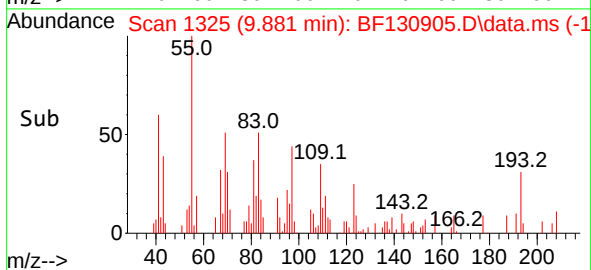
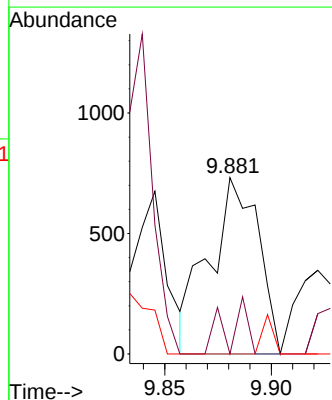
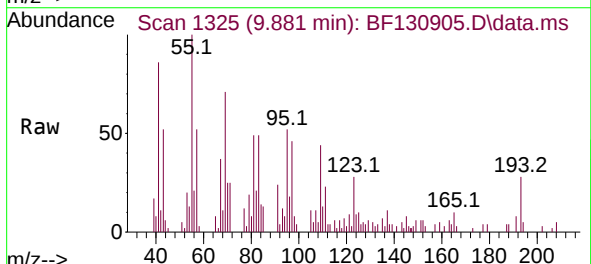
Instrument :
BNA_F
ClientSampleId :

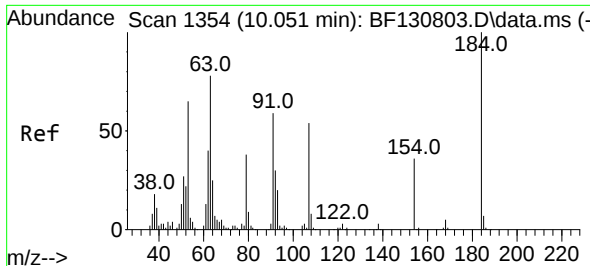
Tgt Ion: 65 Resp: 202
Ion Ratio Lower Upper
65 100
92 75.0 50.1 75.1
138 29.8 69.2 103.8#



#51
2,6-Dinitrotoluene
Concen: 3.279 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.112 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion: 165 Resp: 1176
Ion Ratio Lower Upper
165 100
63 0.0 61.8 92.8#
89 0.0 56.2 84.4#

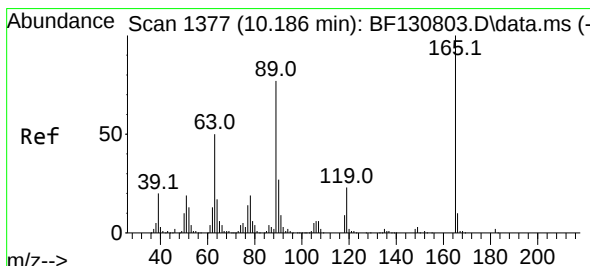
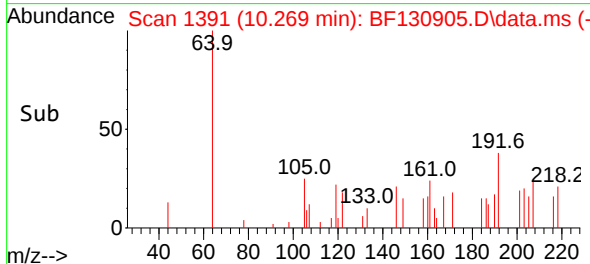
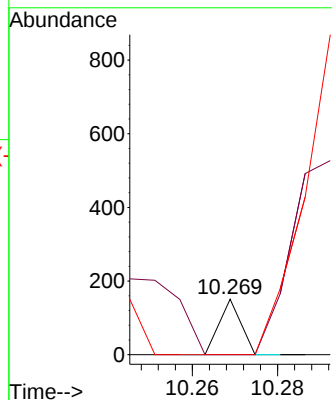
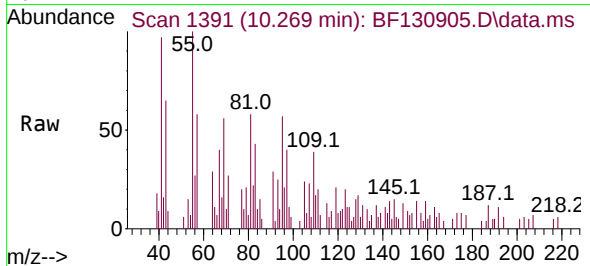




#54
2,4-Dinitrophenol
Concen: 4.221 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

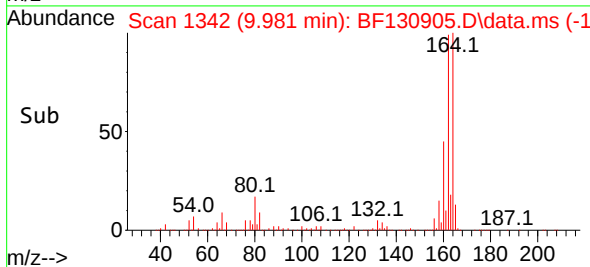
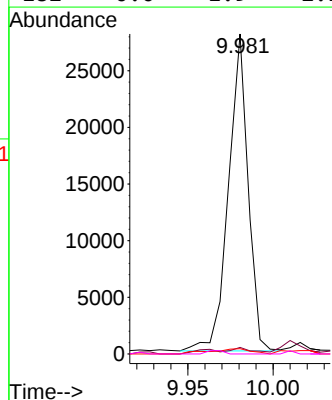
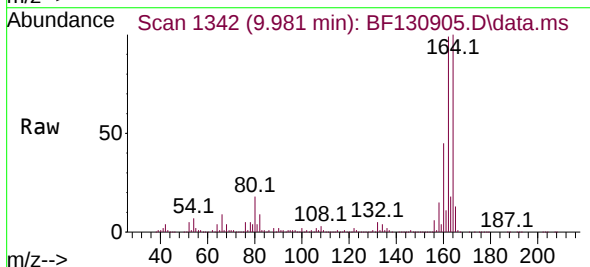
Instrument :
BNA_F
ClientSampleId :

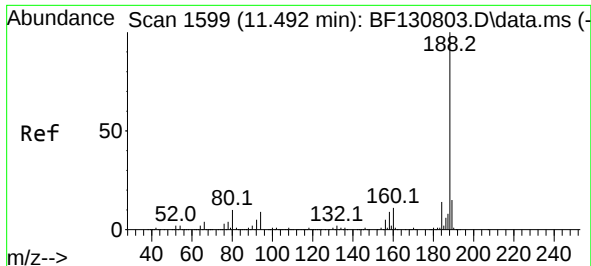
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 66.7 100.1#
154 0.0 62.2 93.2#



#57
2,4-Dinitrotoluene
Concen: 11.005 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.194 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:165 Resp: 22442
Ion Ratio Lower Upper
165 100
63 2.1 39.8 59.6#
89 1.6 61.9 92.9#
182 0.0 1.9 2.9#

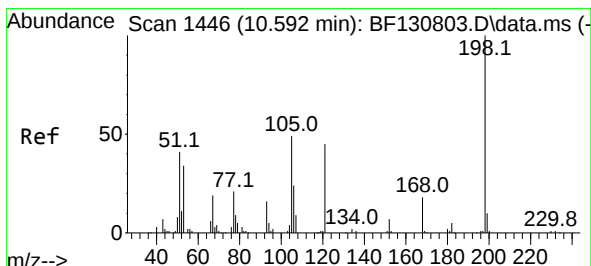
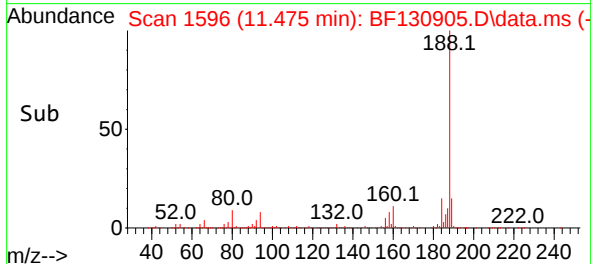
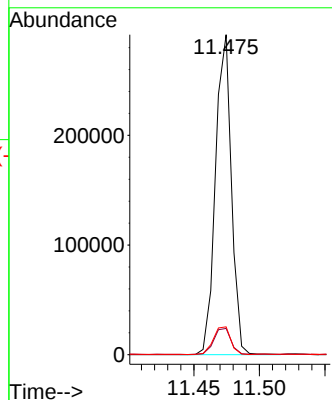
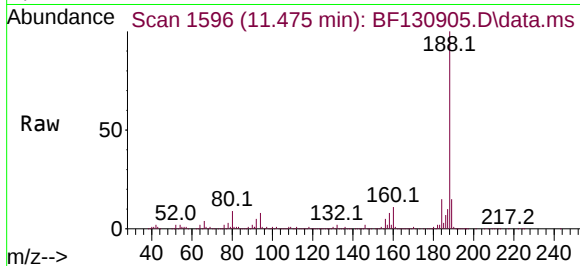




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

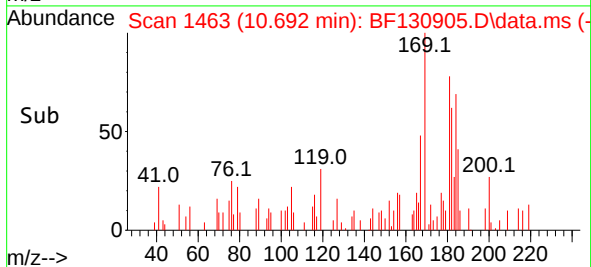
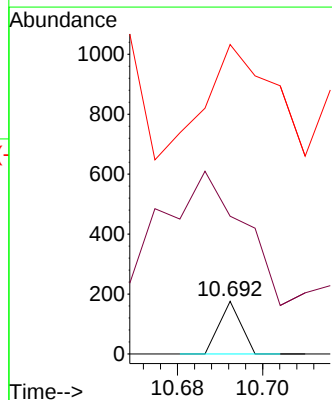
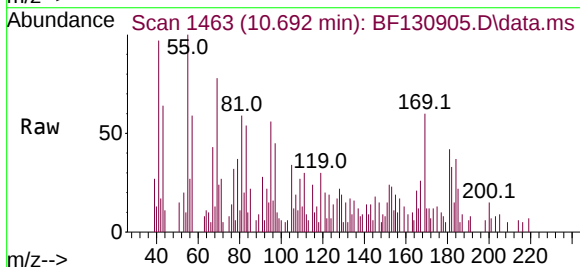
Instrument :
BNA_F
ClientSampleId :

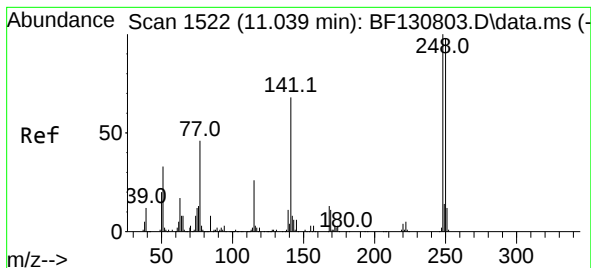
Tgt Ion:188 Resp: 245733
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.7 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.979 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.112 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 261.4 39.0 79.0#
105 586.9 30.6 70.6#

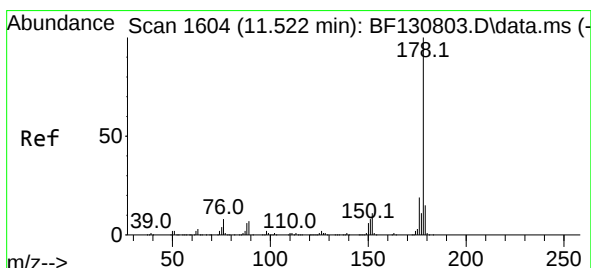
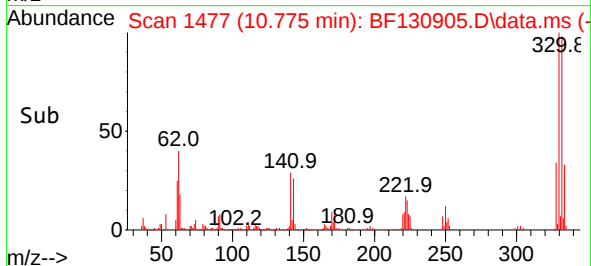
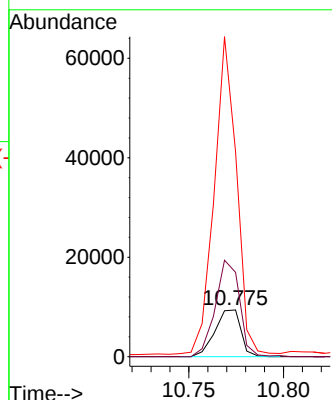
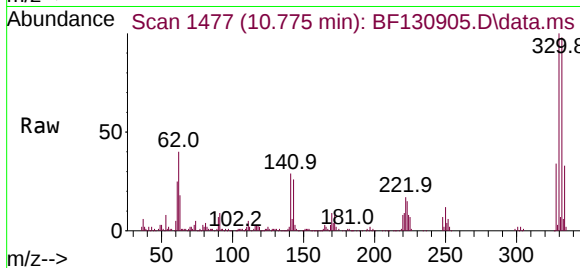




#67
4-Bromophenyl-phenylether
Concen: 3.614 ng
RT: 10.775 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

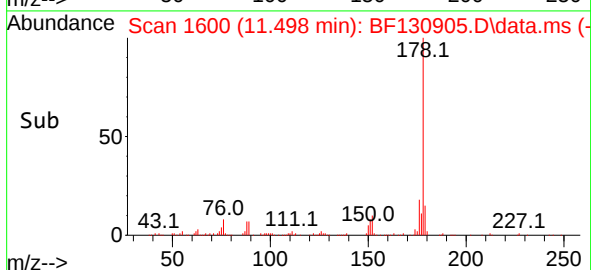
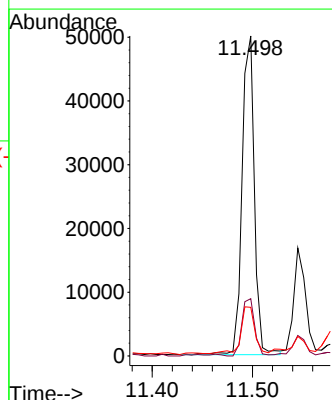
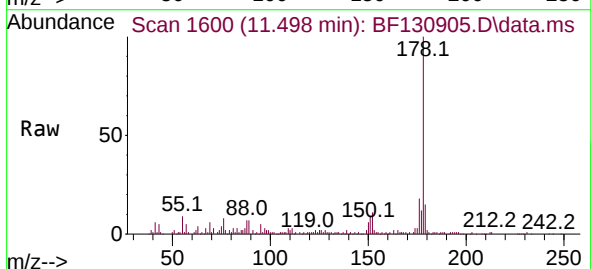
Instrument :
BNA_F
ClientSampleId :

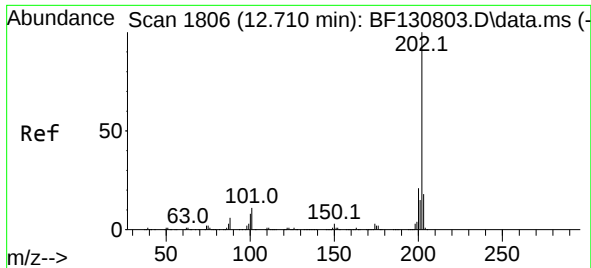
Tgt Ion:248 Resp: 8931
Ion Ratio Lower Upper
248 100
250 180.7 78.6 117.8#
141 439.4 54.2 81.4#



#71
Phenanthrene
Concen: 3.358 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:178 Resp: 42592
Ion Ratio Lower Upper
178 100
176 17.9 15.5 23.3
179 15.2 12.2 18.2

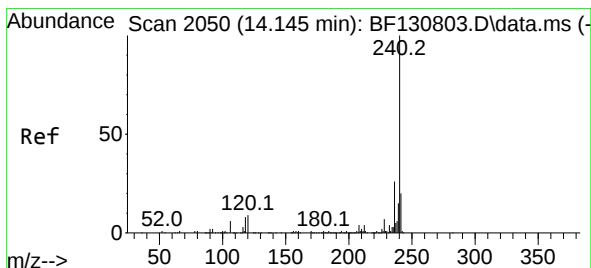
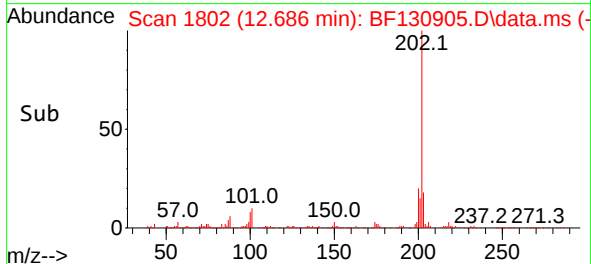
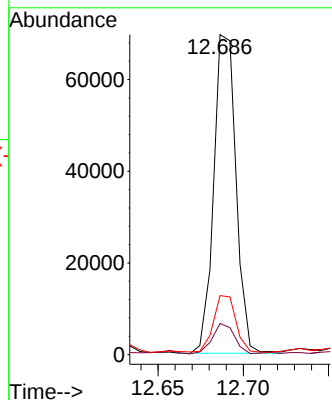
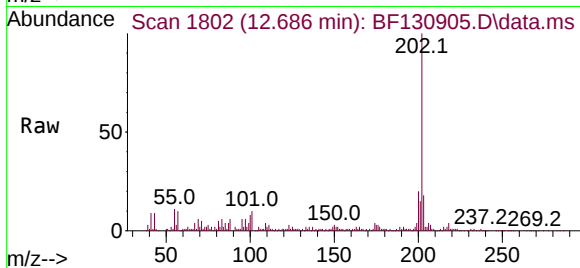




#75
Fluoranthene
Concen: 4.695 ng
RT: 12.686 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

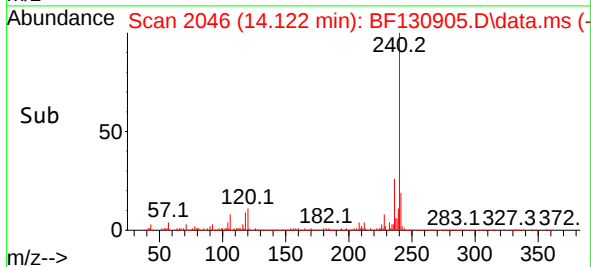
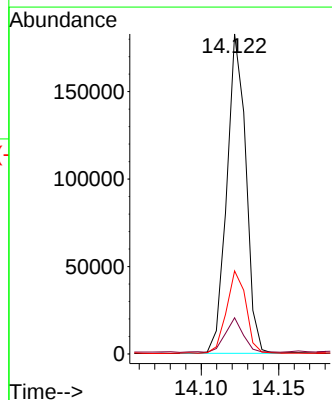
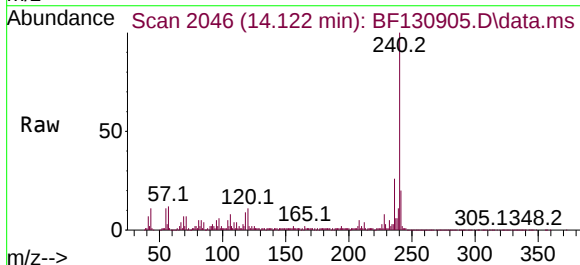
Instrument :
BNA_F
ClientSampleId :

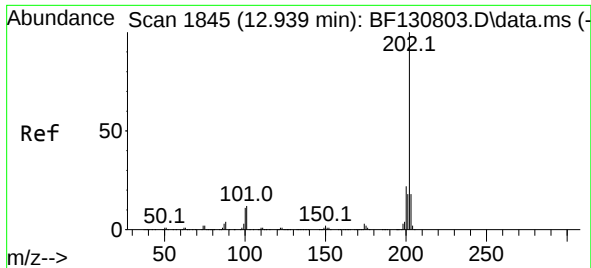
Tgt Ion:202 Resp: 63264
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.9
203 18.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:240 Resp: 156058
Ion Ratio Lower Upper
240 100
120 11.3 7.0 10.4#
236 25.9 20.5 30.7

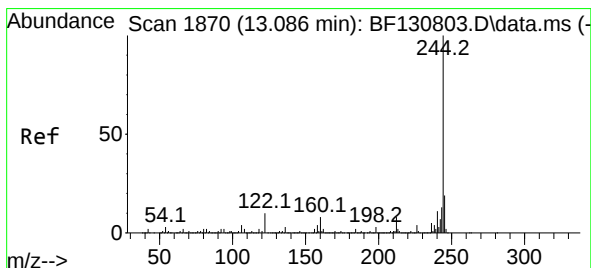
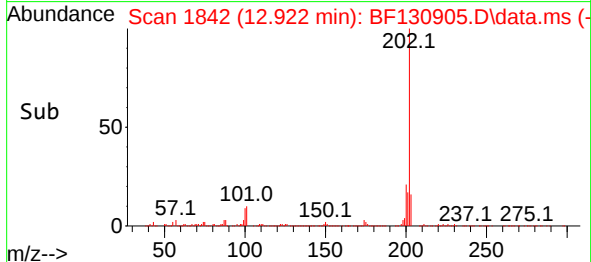
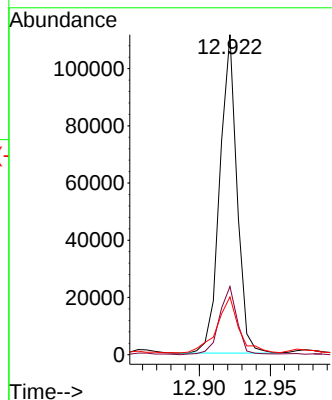
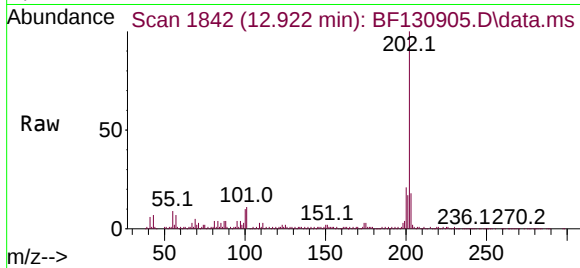




#78
Pyrene
Concen: 7.109 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

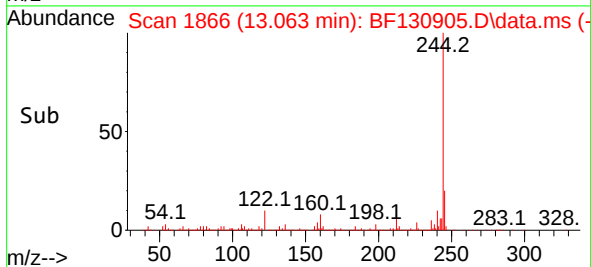
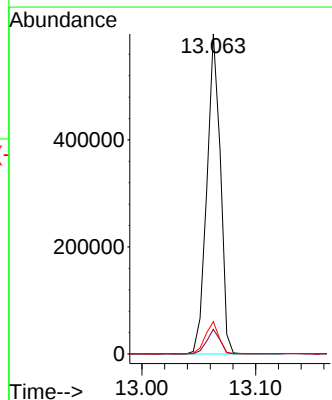
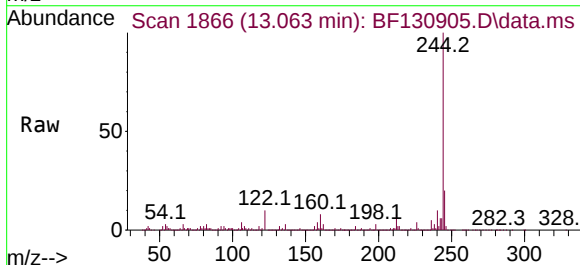
Instrument :
BNA_F
ClientSampleId :

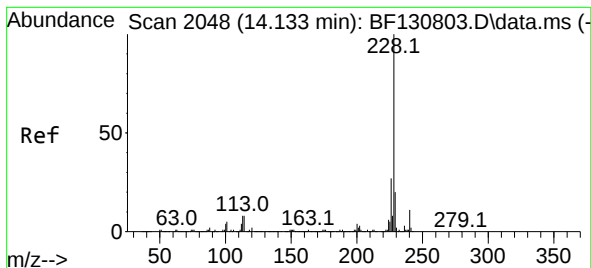
Tgt Ion:202 Resp: 93603
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 18.0 14.5 21.7



#79
Terphenyl-d14
Concen: 57.863 ng
RT: 13.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BF130905.D
Acq: 01 Nov 2022 17:47

Tgt Ion:244 Resp: 492779
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.1 7.9 11.9





#81

Benzo(a)anthracene

Concen: 4.596 ng

RT: 14.110 min Scan# 2044

Delta R.T. -0.006 min

Lab File: BF130905.D

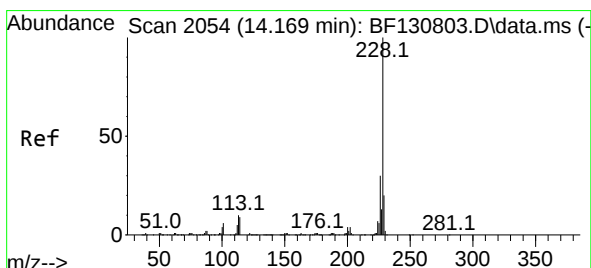
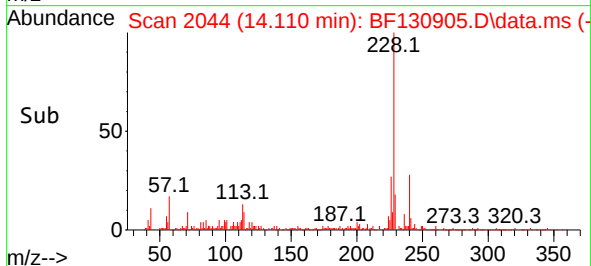
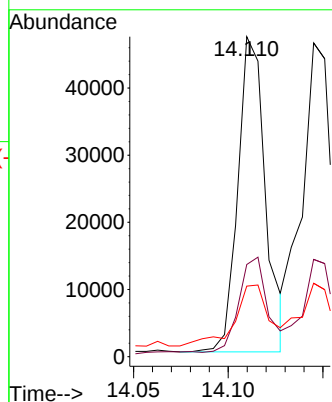
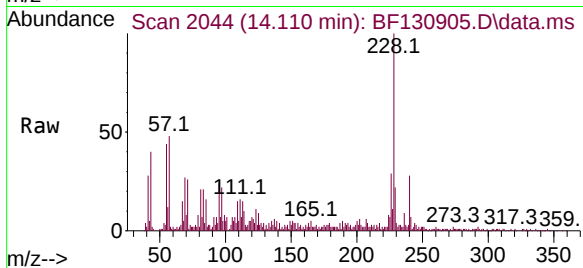
Acq: 01 Nov 2022 17:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	47556
Ion Ratio	Lower	Upper
228	100	
226	28.8	21.4 32.2
229	22.0	15.8 23.6



#83

Chrysene

Concen: 5.027 ng

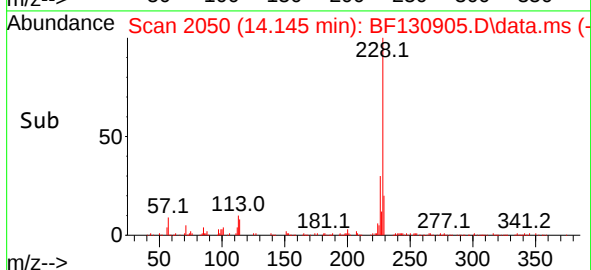
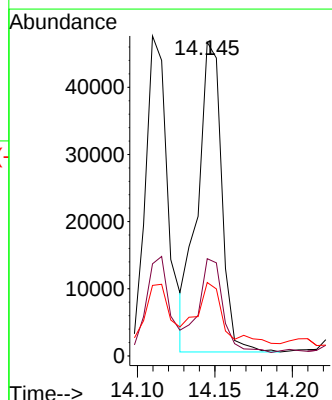
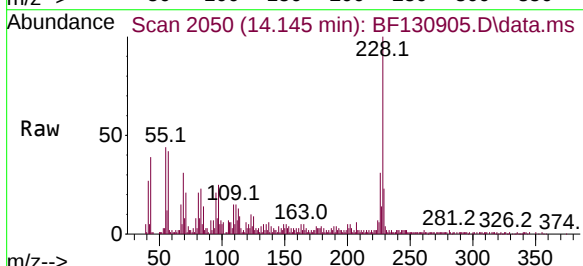
RT: 14.145 min Scan# 2050

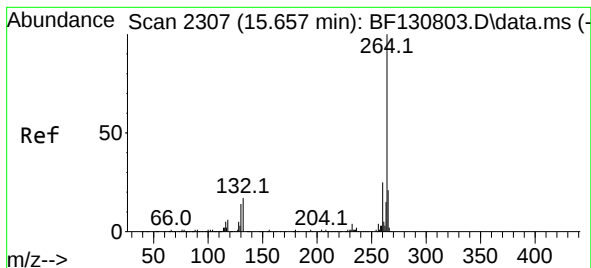
Delta R.T. -0.012 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

Tgt Ion:228	Resp:	50167
Ion Ratio	Lower	Upper
228	100	
226	31.0	23.9 35.9
229	23.4	15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

Instrument :

BNA_F

ClientSampleId :

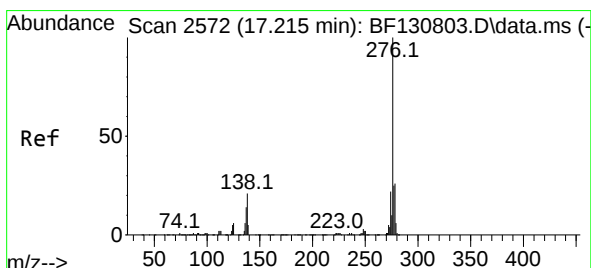
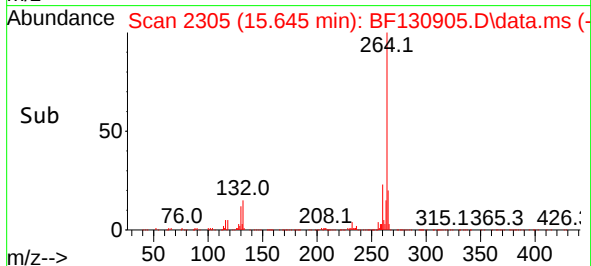
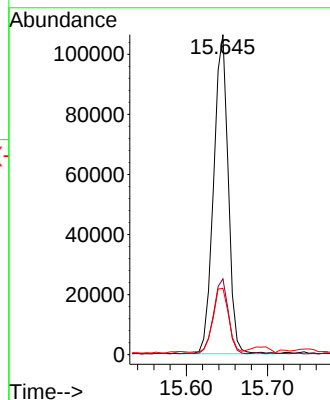
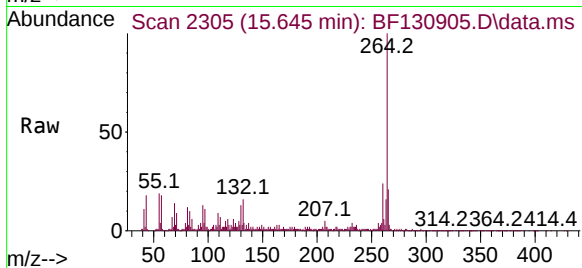
Tgt Ion:264 Resp: 132197

Ion Ratio Lower Upper

264 100

260 23.7 19.9 29.9

265 20.8 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.188 ng

RT: 17.180 min Scan# 2566

Delta R.T. -0.012 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

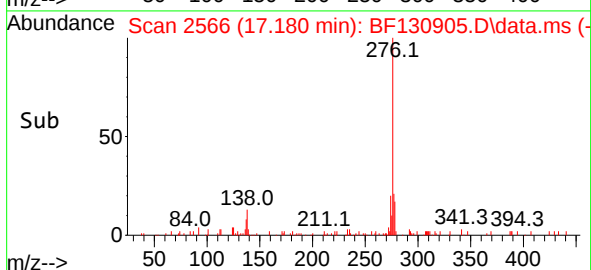
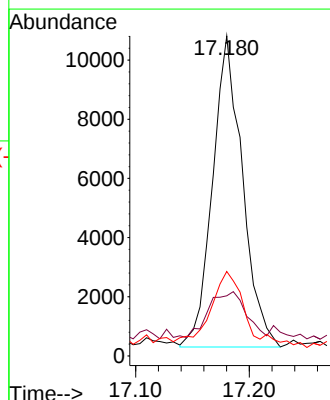
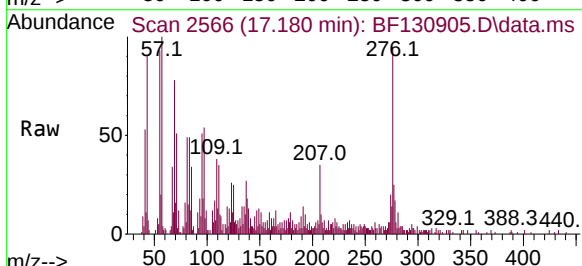
Tgt Ion:276 Resp: 19207

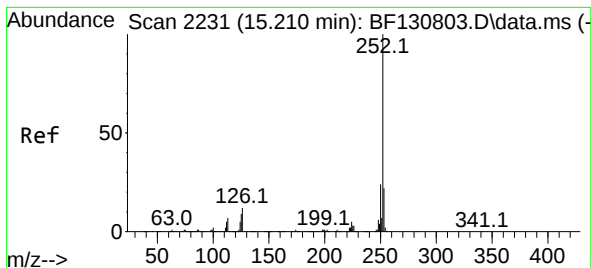
Ion Ratio Lower Upper

276 100

138 19.8 19.1 28.7

277 29.3 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 7.748 ng

RT: 15.192 min Scan# 2228

Delta R.T. 0.000 min

Lab File: BF130905.D

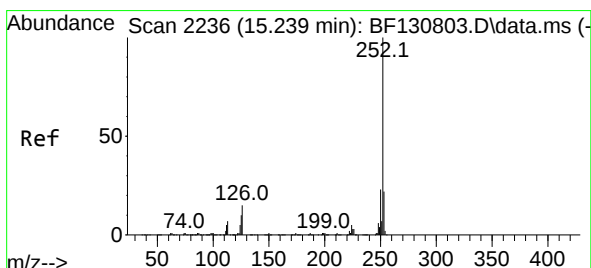
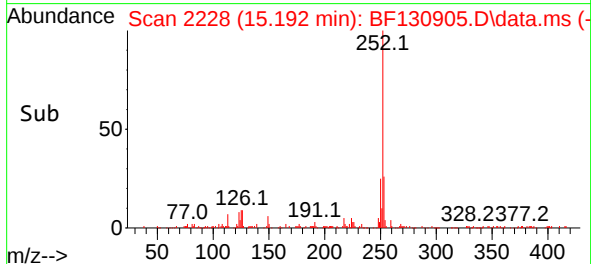
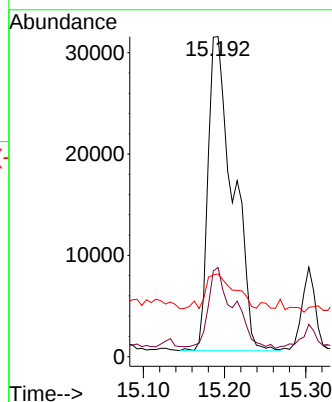
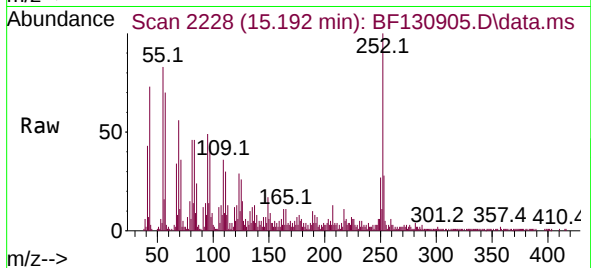
Acq: 01 Nov 2022 17:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	66214
Ion Ratio	Lower	Upper
252	100	
253	27.9	17.5 26.3#
125	25.9	7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 7.952 ng

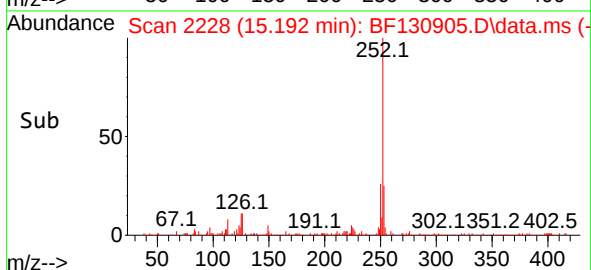
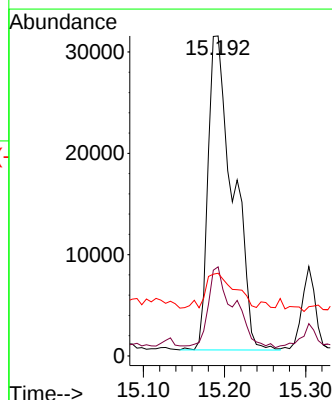
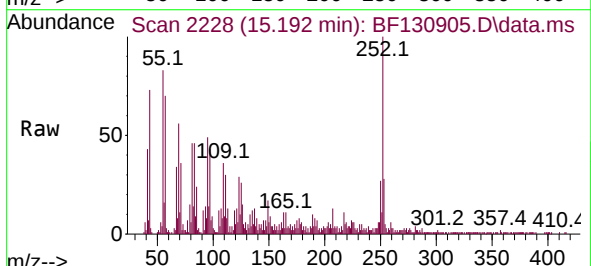
RT: 15.192 min Scan# 2228

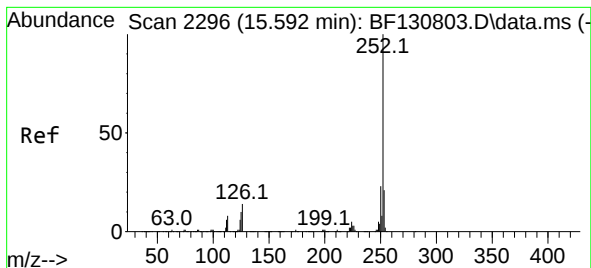
Delta R.T. -0.035 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

Tgt Ion:252	Resp:	66214
Ion Ratio	Lower	Upper
252	100	
253	27.9	17.5 26.3#
125	25.9	8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.770 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130905.D

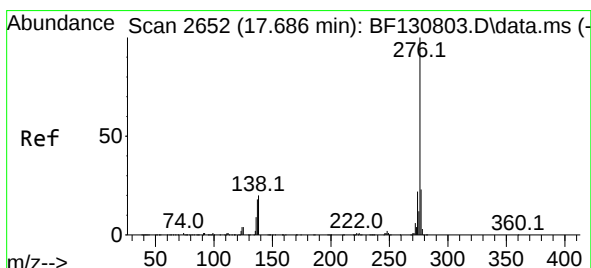
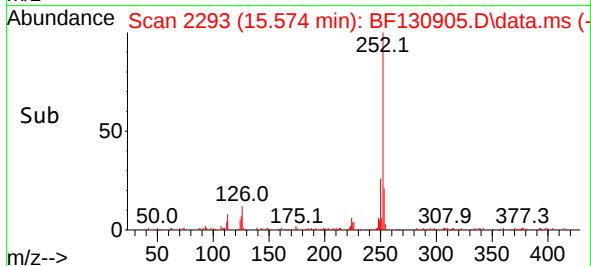
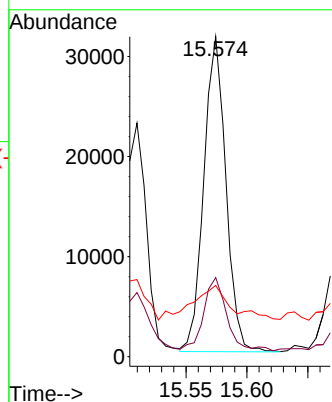
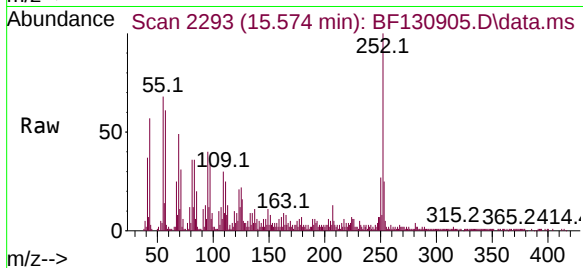
Acq: 01 Nov 2022 17:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	39639
Ion Ratio	Lower	Upper	
252	100		
253	24.7	16.8	25.2
125	22.3	8.3	12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.773 ng

RT: 17.645 min Scan# 2645

Delta R.T. -0.023 min

Lab File: BF130905.D

Acq: 01 Nov 2022 17:47

Tgt Ion:	276	Resp:	20248
Ion Ratio	Lower	Upper	
276	100		
277	30.5	18.8	28.2#
138	20.9	16.3	24.5

