

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130942.D
 Acq On : 02 Nov 2022 21:41
 Operator : CG\JU
 Sample : N5395-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

Quant Time: Nov 03 03:47:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

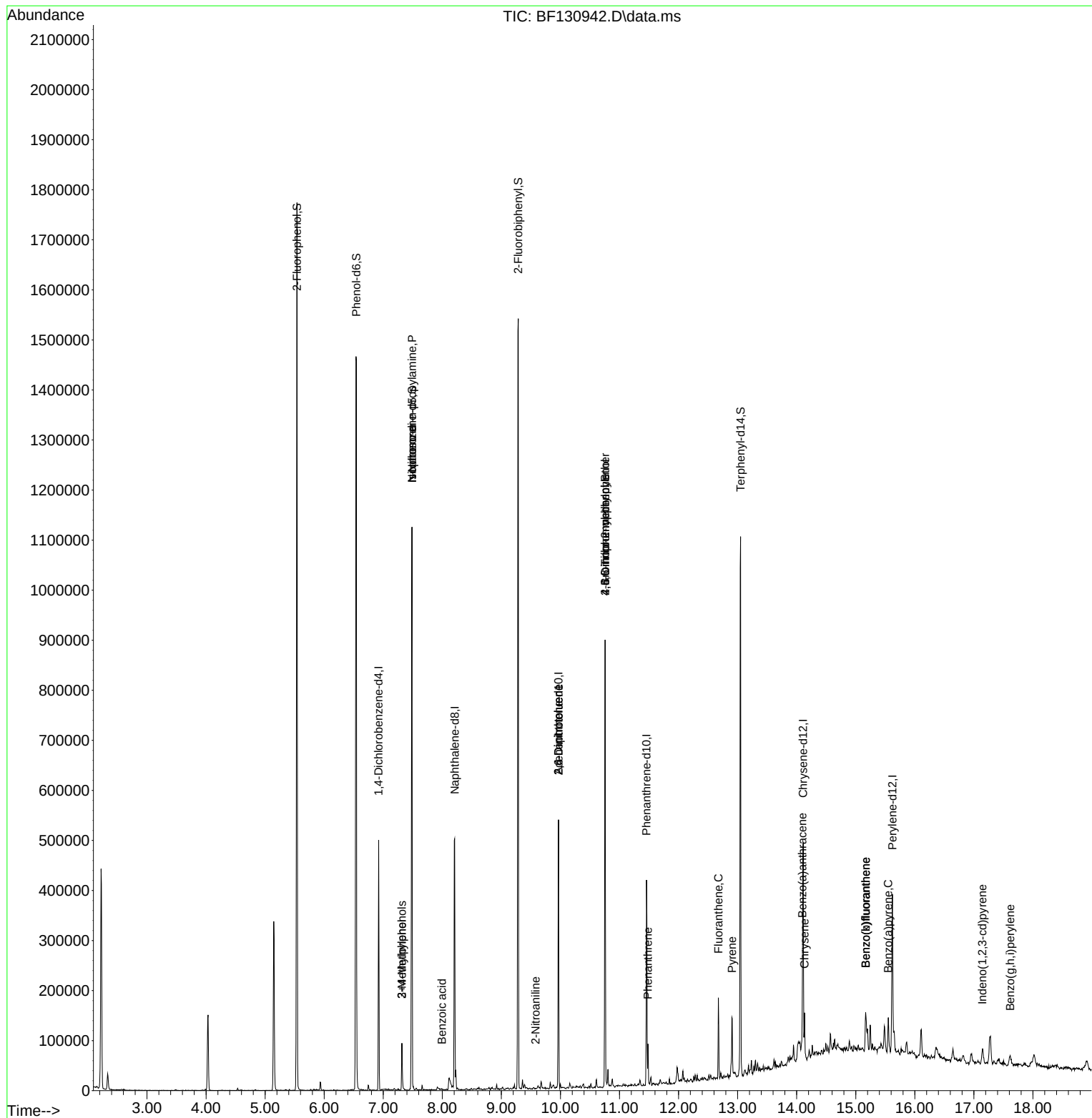
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	60574	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	215331	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	95936	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	138352	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	127384	20.000	ng	-0.01
86) Perylene-d12	15.621	264	139202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	404199	115.681	ng	0.00
7) Phenol-d6	6.545	99	491287	108.199	ng	0.00
23) Nitrobenzene-d5	7.486	82	321514	90.033	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	86653	107.299	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	471572	74.316	ng	0.00
79) Terphenyl-d14	13.051	244	355983	51.209	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.316	107	21639	6.504	ng	# 71
19) n-Nitroso-di-n-propyla...	7.486	70	45634	14.771	ng	# 78
20) 3+4-Methylphenols	7.316	107	21639	5.003	ng	86
25) Isophorone	7.486	82	321510	43.660	ng	# 66
32) Benzoic acid	7.992	122	54	7.701	ng	# 1
48) 2-Nitroaniline	9.580	65	56	4.176	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	12056	11.854	ng	# 13
57) 2,4-Dinitrotoluene	9.969	165	12056	10.775	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	260	8.304	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	5964	4.286	ng	# 1
71) Phenanthrene	11.480	178	26272	3.679	ng	97
75) Fluoranthene	12.674	202	55606	7.329	ng	99
78) Pyrene	12.904	202	49998	4.652	ng	96
81) Benzo(a)anthracene	14.098	228	29997	3.552	ng	98
83) Chrysene	14.133	228	30745	3.774	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	19815	2.144	ng	96
88) Benzo(b)fluoranthene	15.168	252	60401	6.712	ng	# 93
89) Benzo(k)fluoranthene	15.168	252	60401	6.889	ng	94
90) Benzo(a)pyrene	15.551	252	31507	4.356	ng	99
92) Benzo(g,h,i)perylene	17.615	276	17413	2.265	ng	96

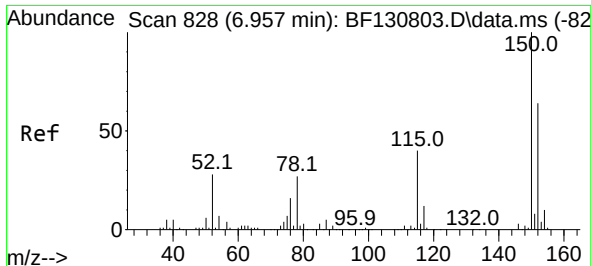
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 03 03:37:09 2022
Response via : Initial Calibration

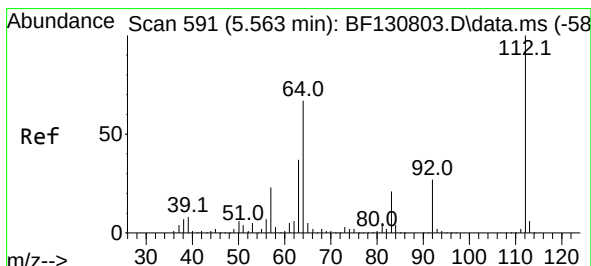
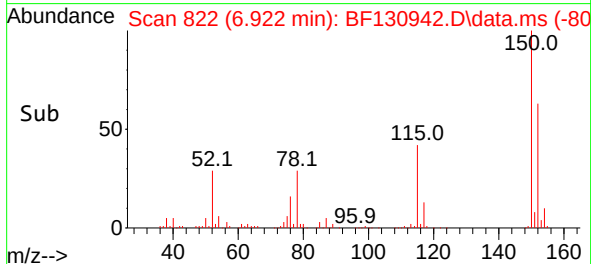
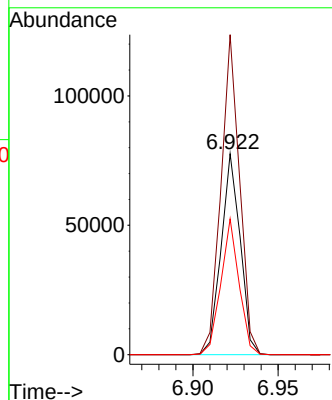
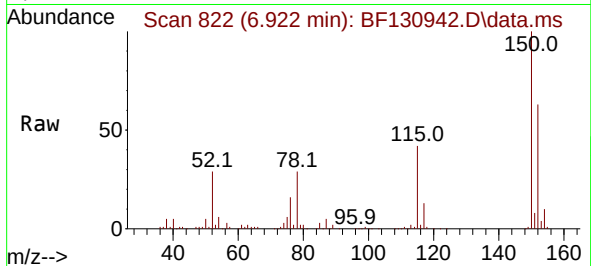




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF130942.D
 Acq: 02 Nov 2022 21:41

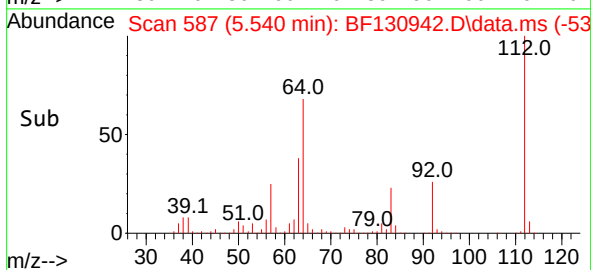
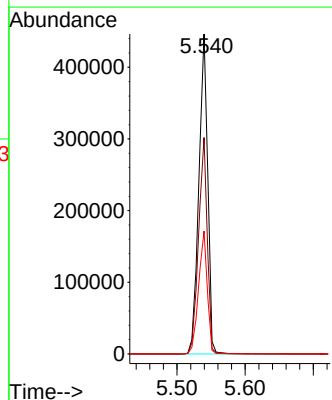
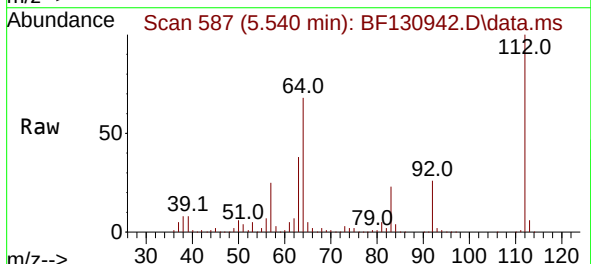
Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

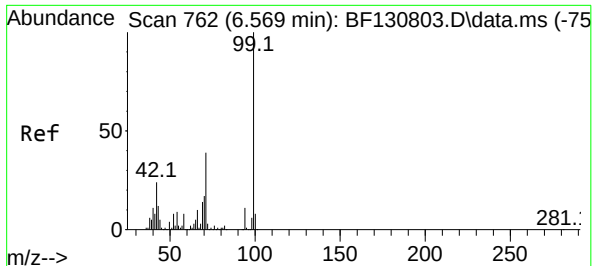
Tgt Ion:152 Resp: 60574
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.1 186.1
 115 67.6 50.1 75.1



#5
 2-Fluorophenol
 Concen: 115.681 ng
 RT: 5.540 min Scan# 587
 Delta R.T. -0.000 min
 Lab File: BF130942.D
 Acq: 02 Nov 2022 21:41

Tgt Ion:112 Resp: 404199
 Ion Ratio Lower Upper
 112 100
 64 67.7 53.9 80.9
 63 38.4 29.4 44.2

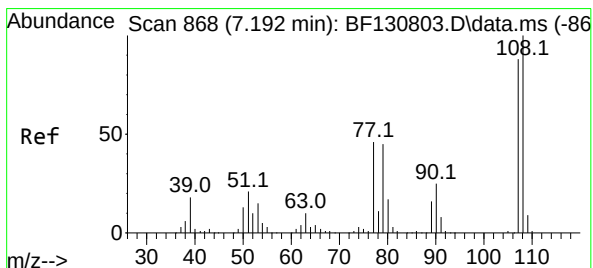
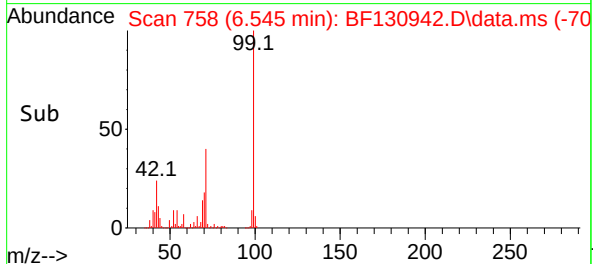
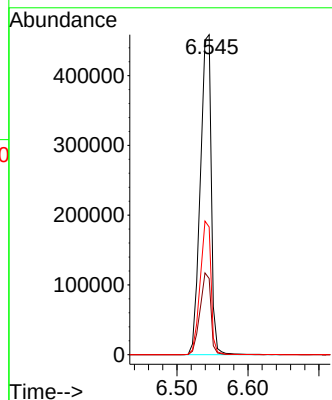
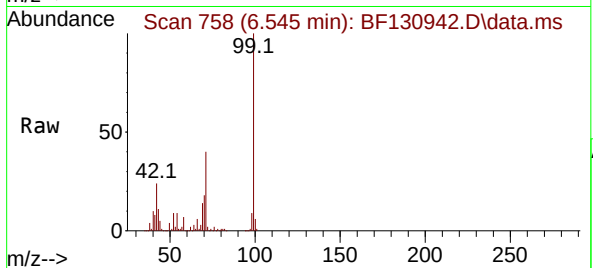




#7
Phenol-d6
Concen: 108.199 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

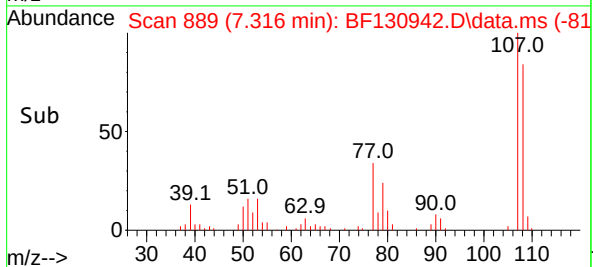
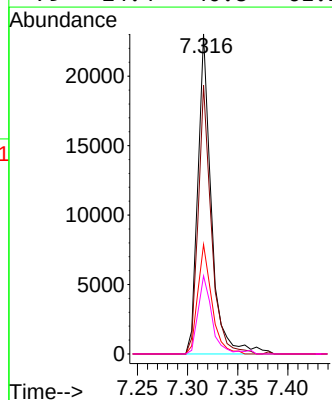
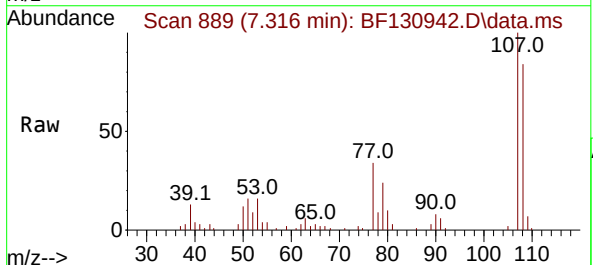
Instrument :
BNA_F
ClientSampleId :
S-9-103122

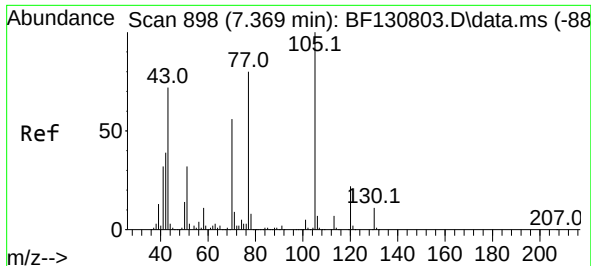
Tgt Ion: 99 Resp: 491287
Ion Ratio Lower Upper
99 100
42 23.8 18.8 28.2
71 39.9 31.4 47.0



#17
2-Methylphenol
Concen: 6.504 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

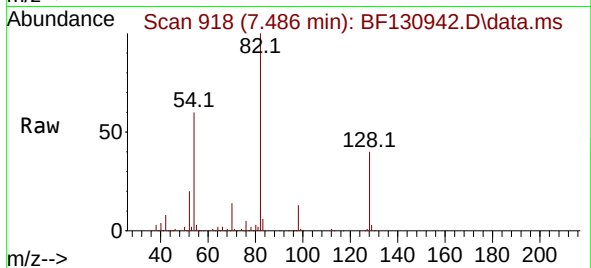
Tgt Ion: 107 Resp: 21639
Ion Ratio Lower Upper
107 100
108 84.0 90.5 135.7#
77 34.2 41.2 61.8#
79 24.4 40.8 61.2#



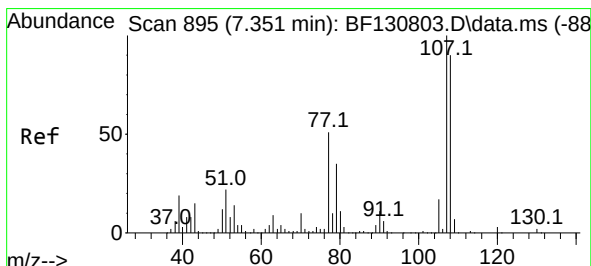
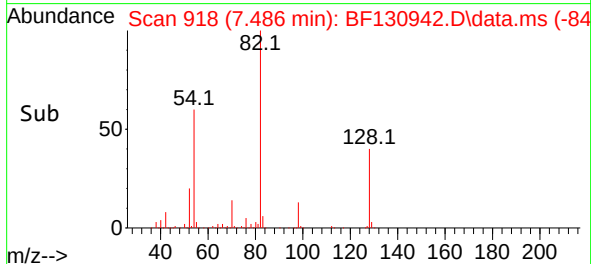
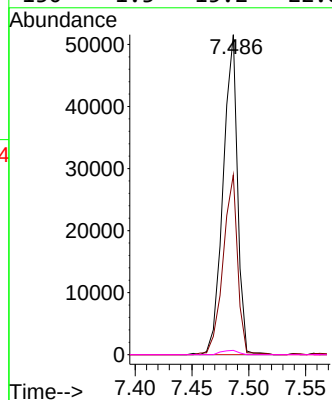


#19
n-Nitroso-di-n-propylamine
Concen: 14.771 ng
RT: 7.486 min Scan# 918
Delta R.T. 0.147 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Instrument :
BNA_F
ClientSampleId :
S-9-103122

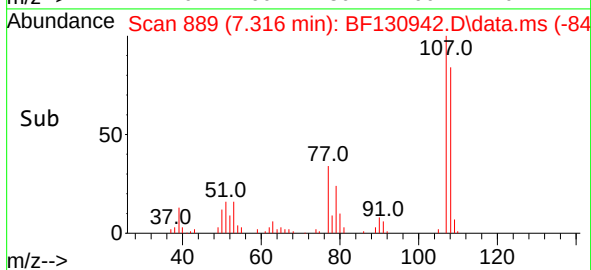
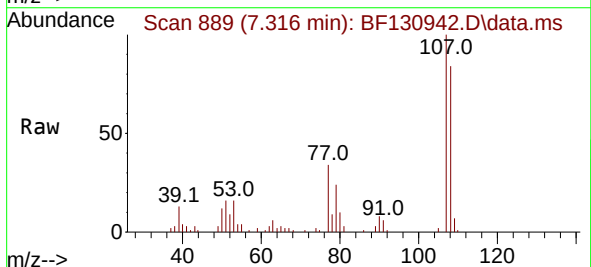
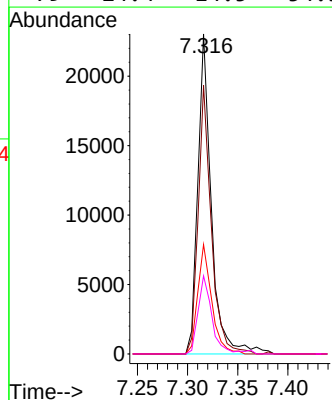


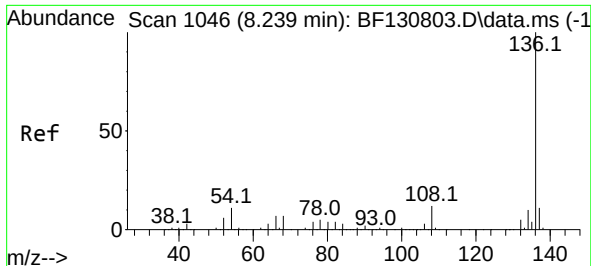
Tgt Ion: 70 Resp: 45634
Ion Ratio Lower Upper
70 100
42 56.2 56.1 84.1
101 0.0 7.3 10.9#
130 1.3 15.2 22.8#



#20
3+4-Methylphenols
Concen: 5.003 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

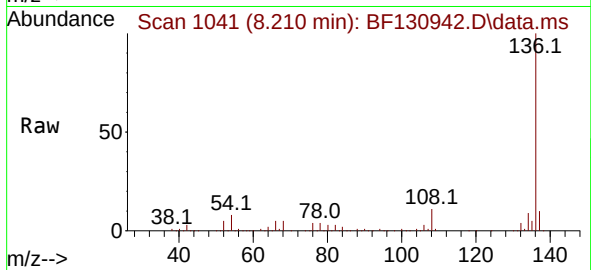
Tgt Ion: 107 Resp: 21639
Ion Ratio Lower Upper
107 100
108 84.0 70.4 110.4
77 34.2 31.1 71.1
79 24.4 14.5 54.5



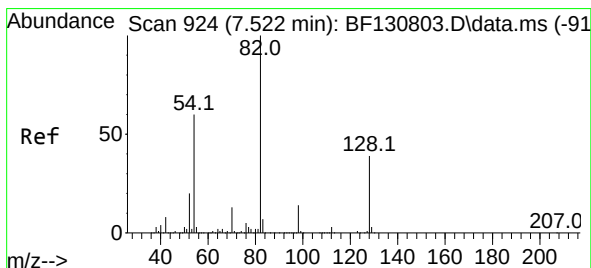
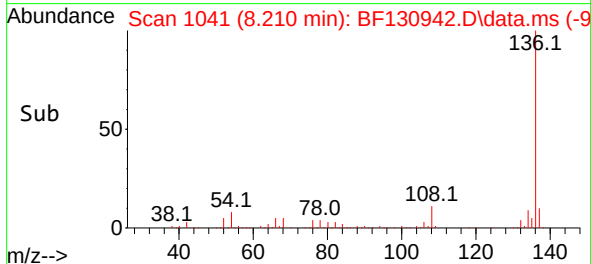
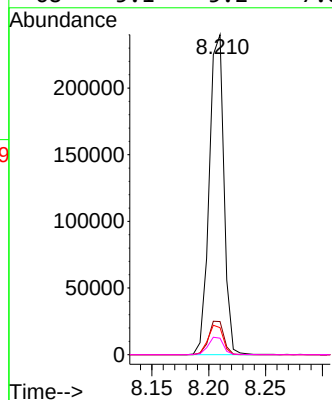


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Instrument :
BNA_F
ClientSampleId :
S-9-103122

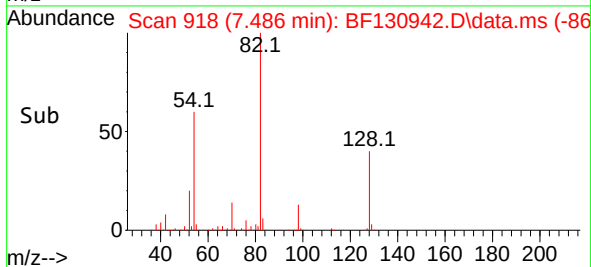
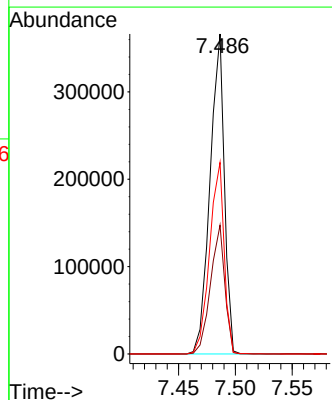
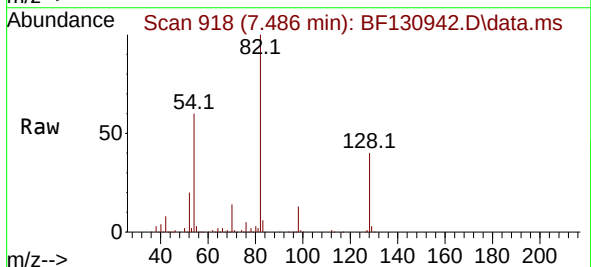


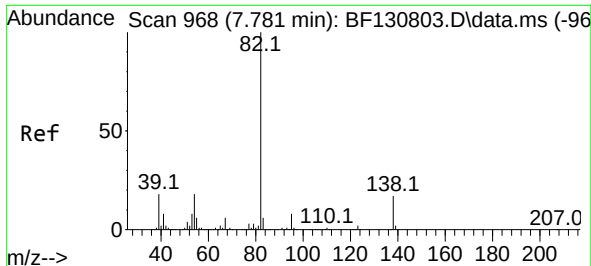
Tgt Ion:136 Resp: 215331
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 8.4 8.8 13.2#
68 5.1 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 90.033 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion: 82 Resp: 321514
Ion Ratio Lower Upper
82 100
128 40.2 31.2 46.8
54 59.8 48.0 72.0

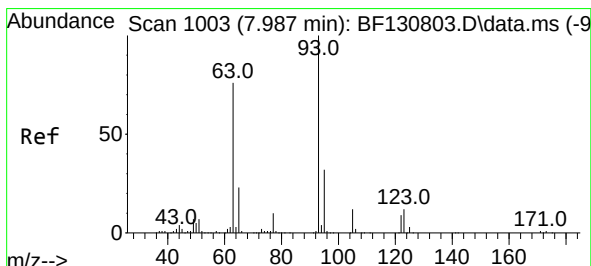
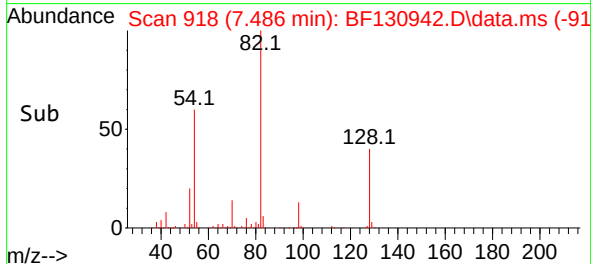
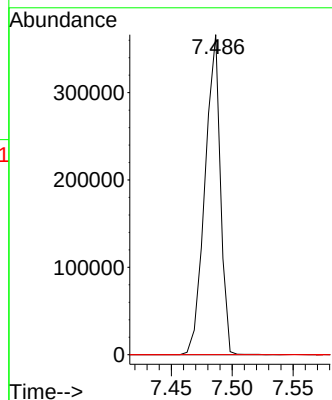
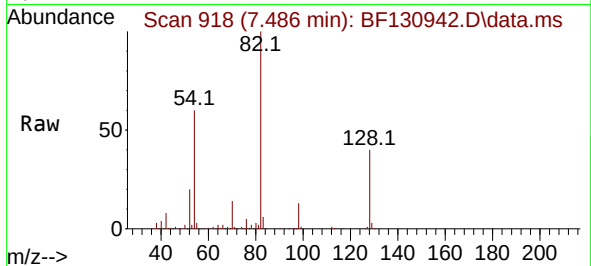




#25
Isophorone
Concen: 43.660 ng
RT: 7.486 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

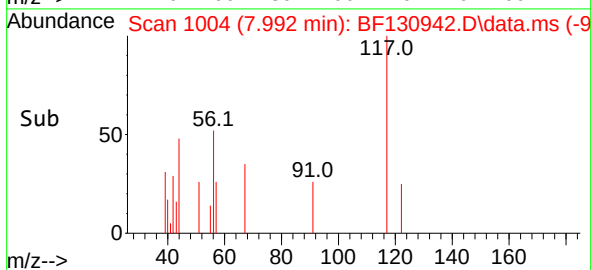
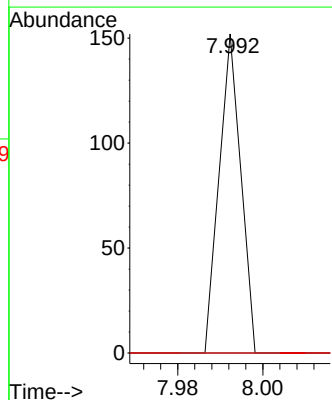
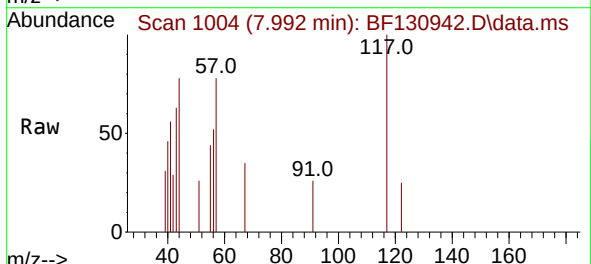
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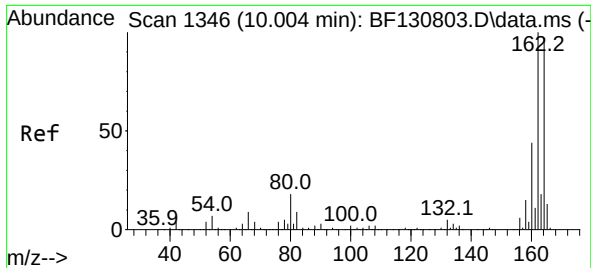
Tgt Ion: 82 Resp: 321510
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.701 ng
RT: 7.992 min Scan# 1004
Delta R.T. 0.023 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 0.0 89.8 129.8#

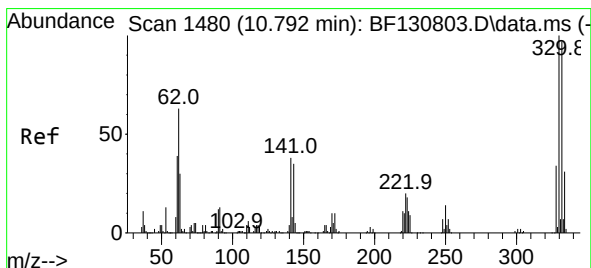
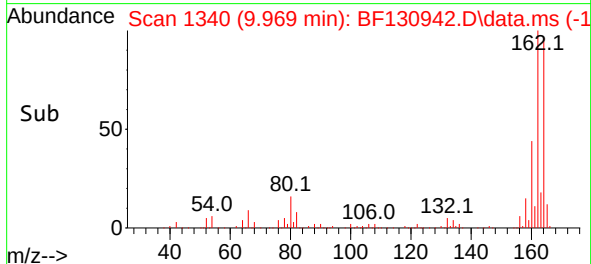
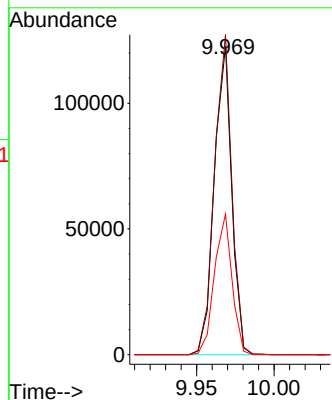
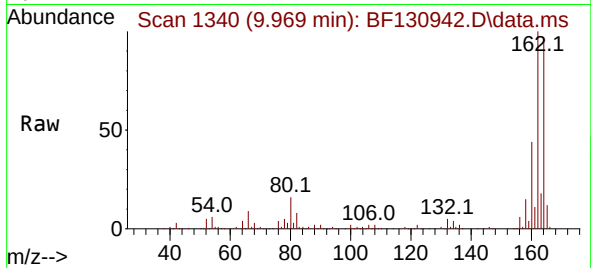




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

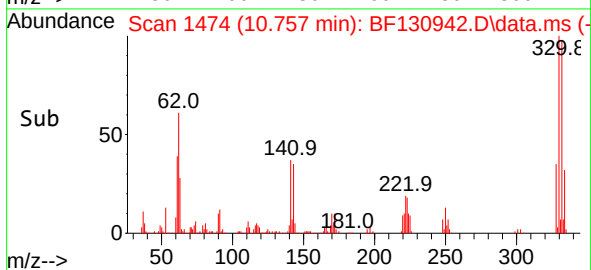
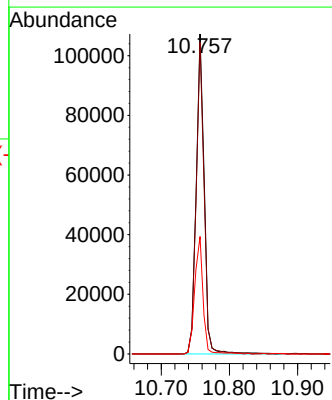
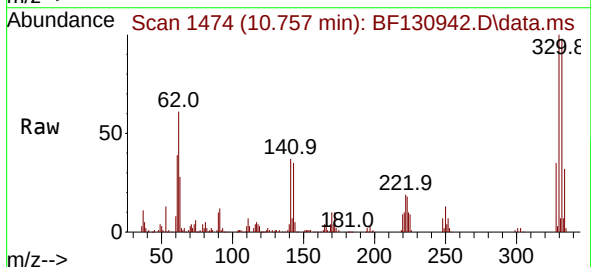
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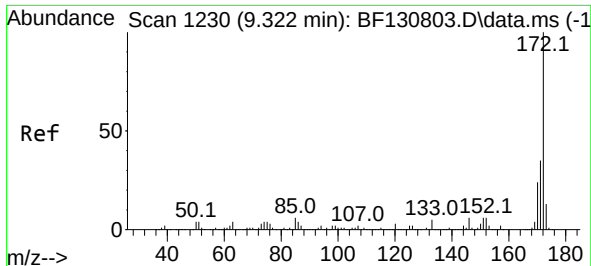
Tgt Ion:164 Resp: 95936
Ion Ratio Lower Upper
164 100
162 103.7 82.2 123.2
160 45.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 107.299 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion:330 Resp: 86653
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 38.0 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 74.316 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Instrument :

BNA_F

ClientSampleId :

S-9-103122

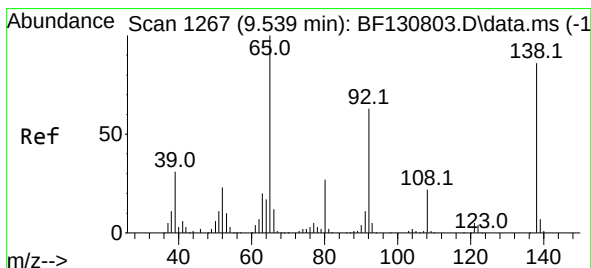
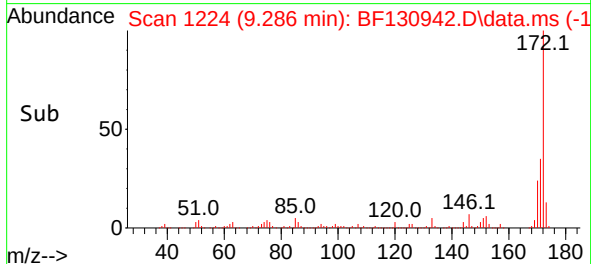
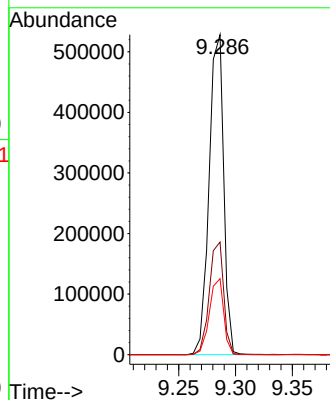
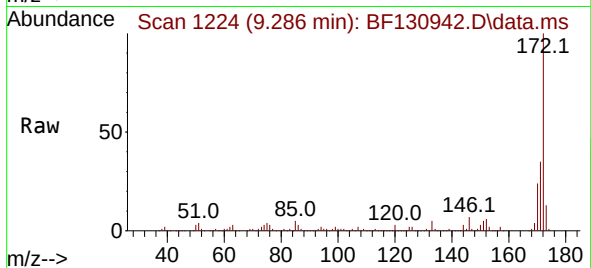
Tgt Ion:172 Resp: 471572

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.176 ng

RT: 9.580 min Scan# 1274

Delta R.T. 0.065 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

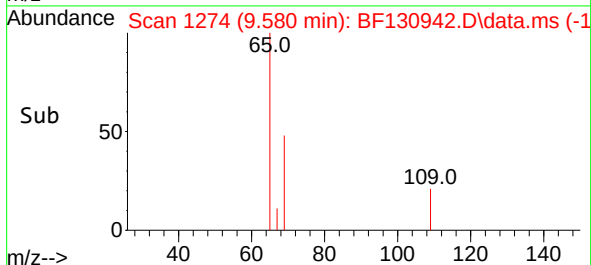
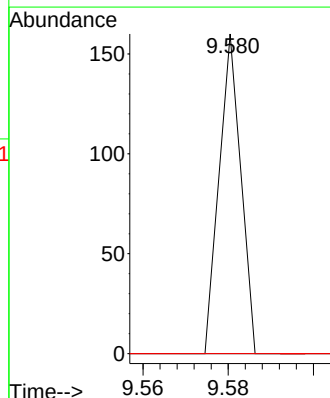
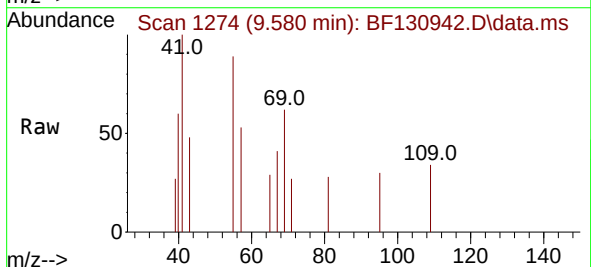
Tgt Ion: 65 Resp: 56

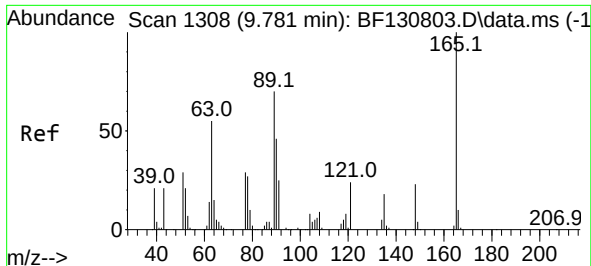
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

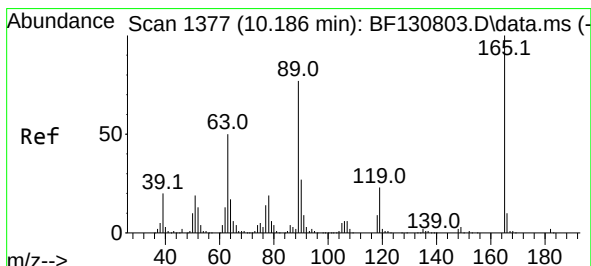
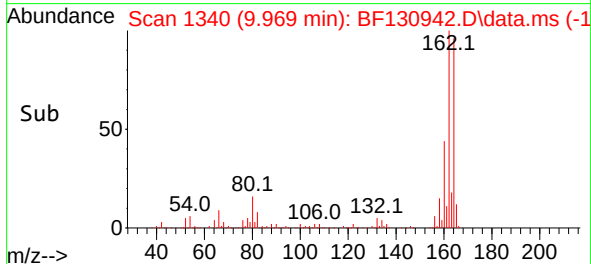
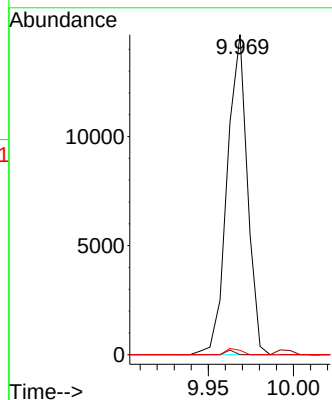
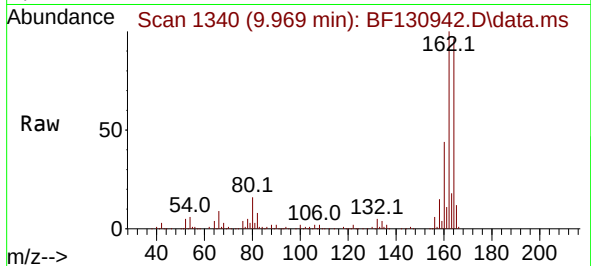




#51
2,6-Dinitrotoluene
Concen: 11.854 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.212 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

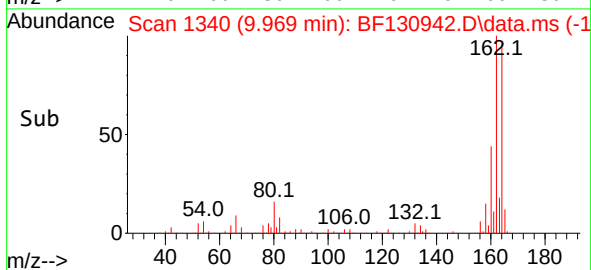
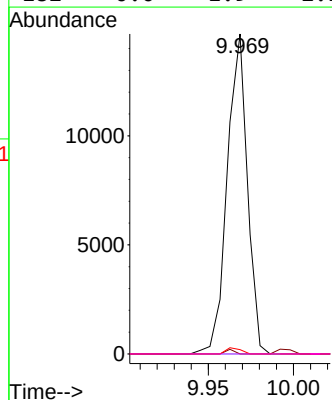
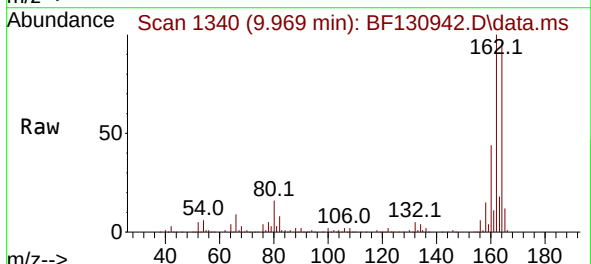
Instrument :
BNA_F
ClientSampleId :
S-9-103122

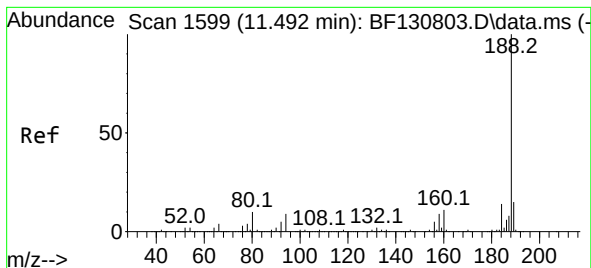
Tgt Ion:165 Resp: 12056
Ion Ratio Lower Upper
165 100
63 0.0 61.8 92.8#
89 1.3 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.775 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.194 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion:165 Resp: 12056
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.3 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Instrument :

BNA_F

ClientSampleId :

S-9-103122

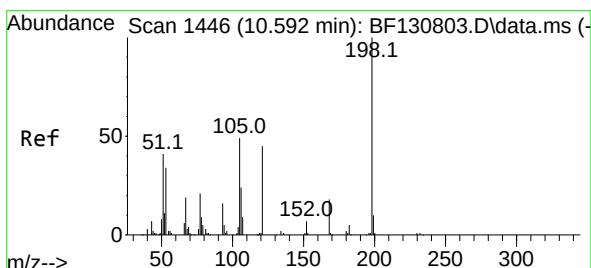
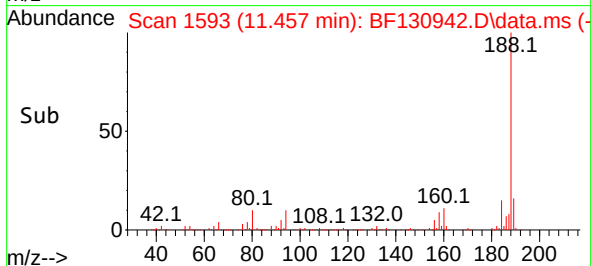
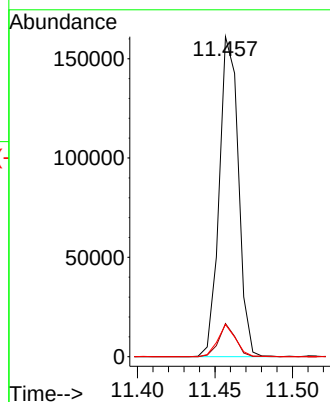
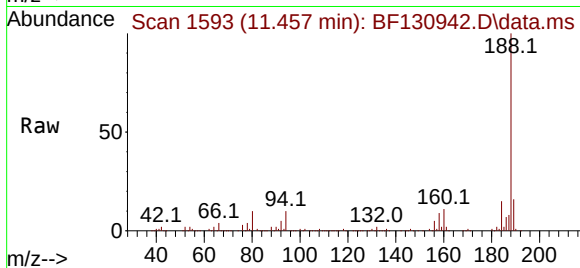
Tgt Ion:188 Resp: 138352

Ion Ratio Lower Upper

188 100

94 10.3 7.4 11.2

80 10.0 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.304 ng

RT: 10.757 min Scan# 1474

Delta R.T. 0.188 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

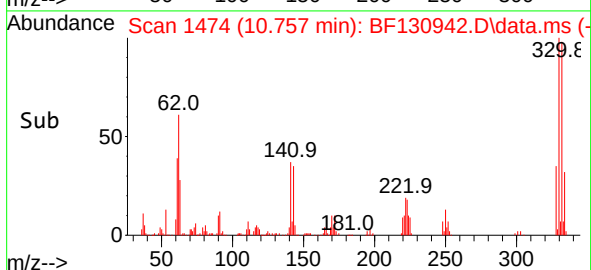
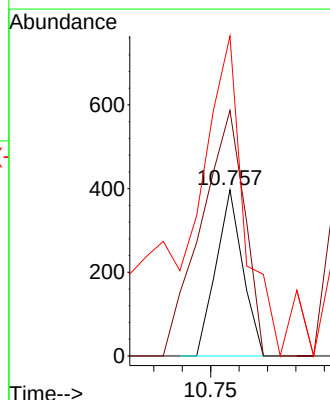
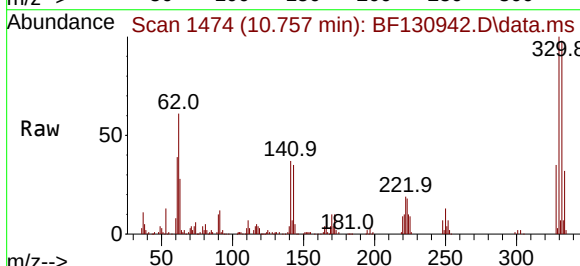
Tgt Ion:198 Resp: 260

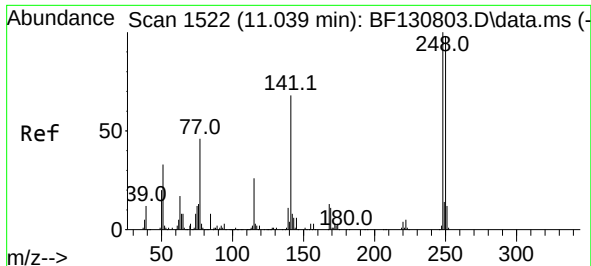
Ion Ratio Lower Upper

198 100

51 147.9 39.0 79.0#

105 192.7 30.6 70.6#

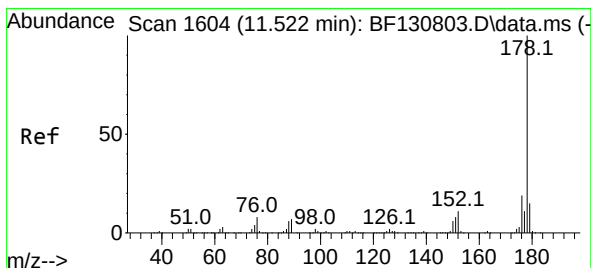
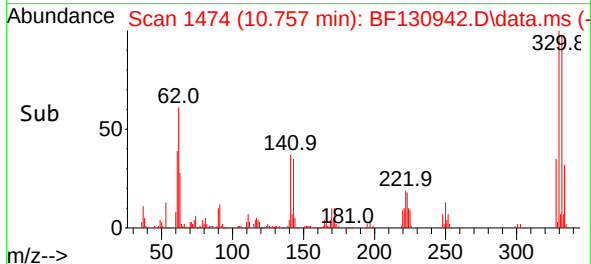
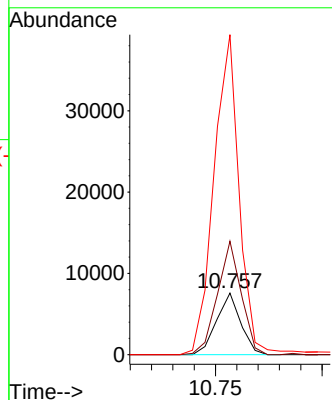
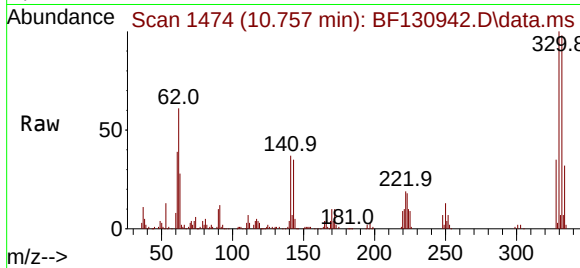




#67
4-Bromophenyl-phenylether
Concen: 4.286 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

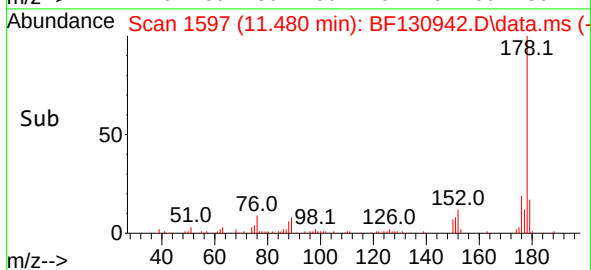
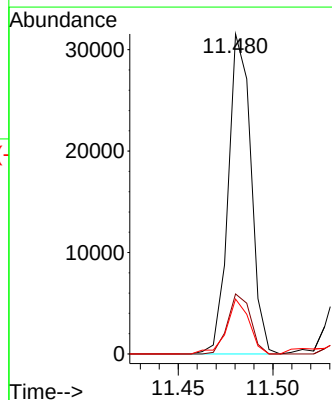
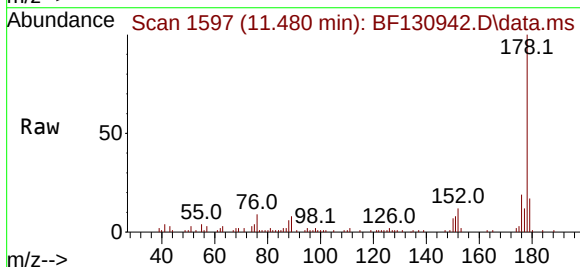
Instrument :
BNA_F
ClientSampleId :
S-9-103122

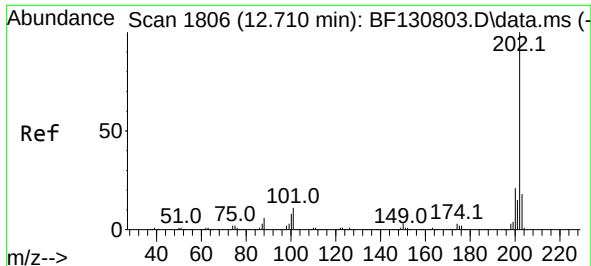
Tgt Ion:248 Resp: 5964
Ion Ratio Lower Upper
248 100
250 184.3 78.6 117.8#
141 519.8 54.2 81.4#



#71
Phenanthrene
Concen: 3.679 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion:178 Resp: 26272
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 17.1 12.2 18.2

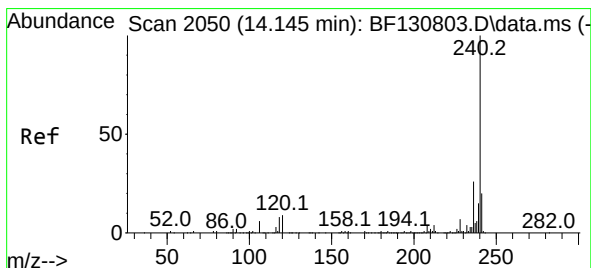
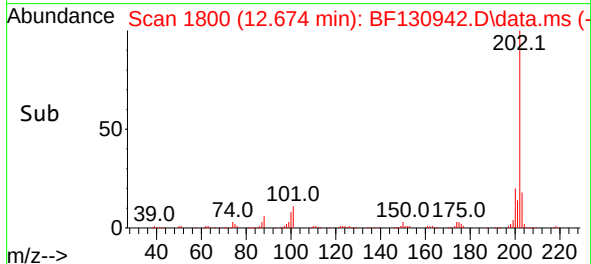
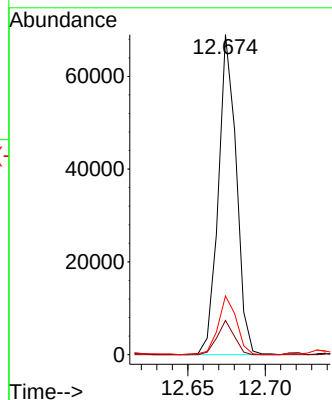
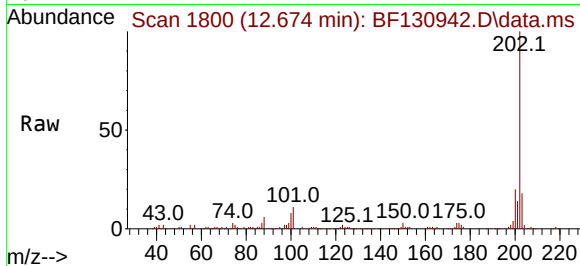




#75
Fluoranthene
Concen: 7.329 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

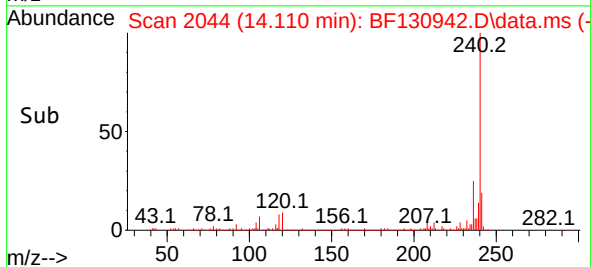
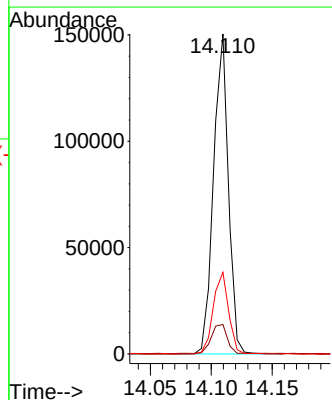
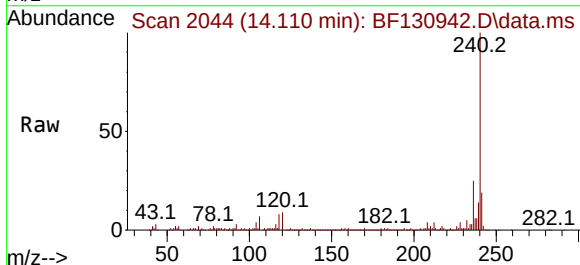
Instrument :
BNA_F
ClientSampleId :
S-9-103122

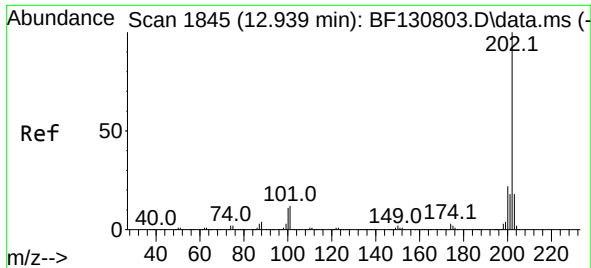
Tgt Ion:202 Resp: 55606
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.9
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion:240 Resp: 127384
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.4
236 25.5 20.5 30.7

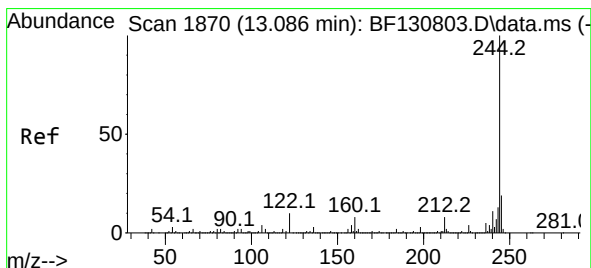
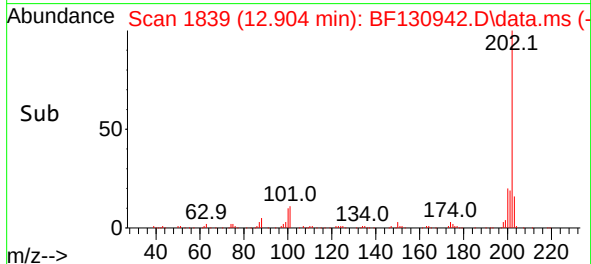
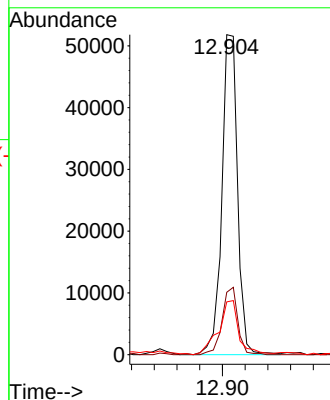
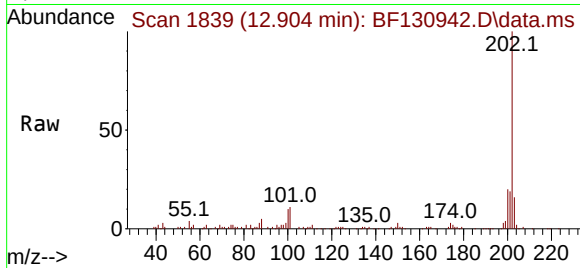




#78
 Pyrene
 Concen: 4.652 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF130942.D
 Acq: 02 Nov 2022 21:41

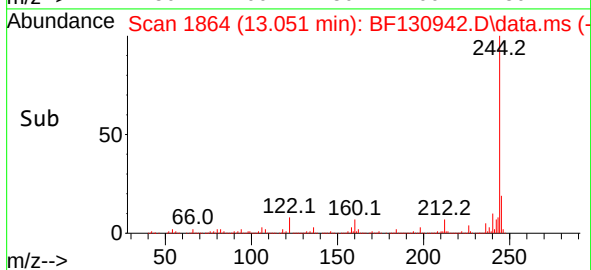
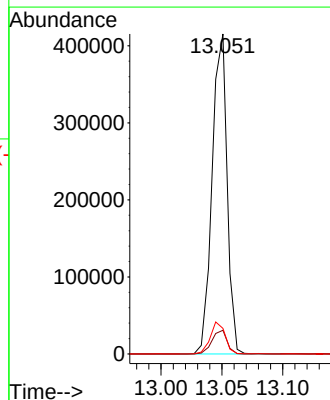
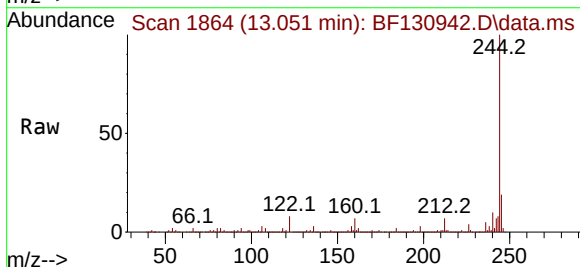
Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

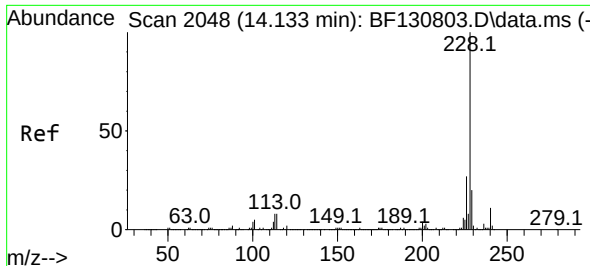
Tgt Ion:	202	Resp:	49998
Ion Ratio	Lower	Upper	
202	100		
200	19.5	17.2	25.8
203	16.5	14.5	21.7



#79
 Terphenyl-d14
 Concen: 51.209 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130942.D
 Acq: 02 Nov 2022 21:41

Tgt Ion:	244	Resp:	355983
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	8.0	7.9	11.9

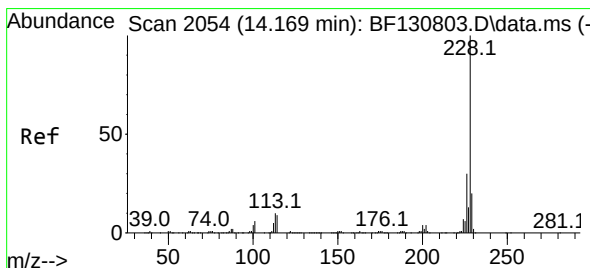
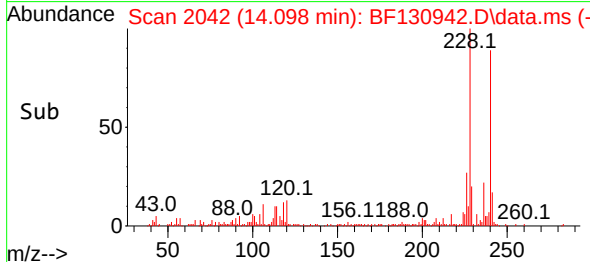
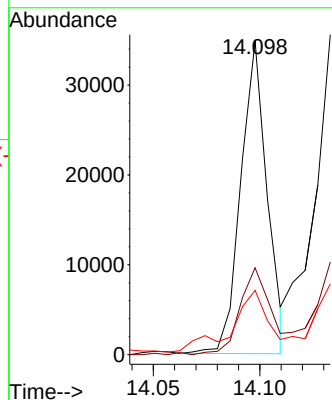
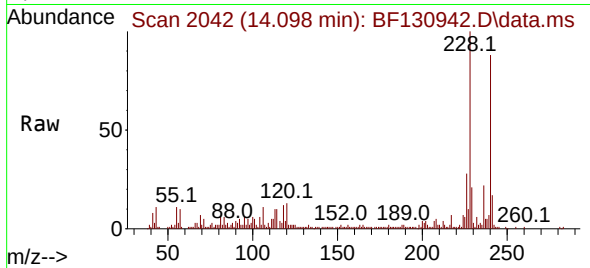




#81
Benzo(a)anthracene
Concen: 3.552 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

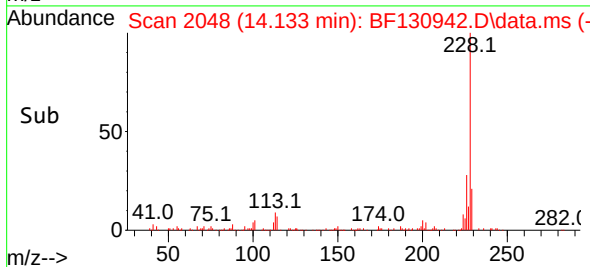
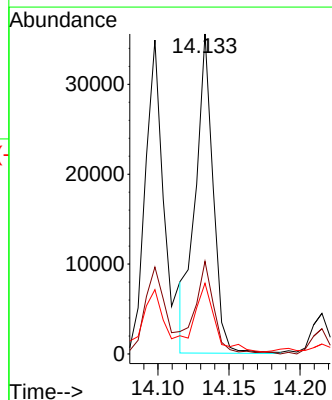
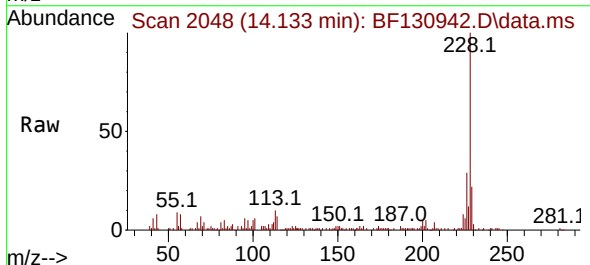
Instrument :
BNA_F
ClientSampleId :
S-9-103122

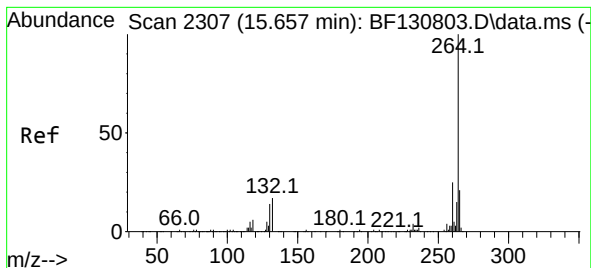
Tgt Ion:228 Resp: 29997
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.2
229 20.5 15.8 23.6



#83
Chrysene
Concen: 3.774 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130942.D
Acq: 02 Nov 2022 21:41

Tgt Ion:228 Resp: 30745
Ion Ratio Lower Upper
228 100
226 29.0 23.9 35.9
229 22.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Instrument :

BNA_F

ClientSampleId :

S-9-103122

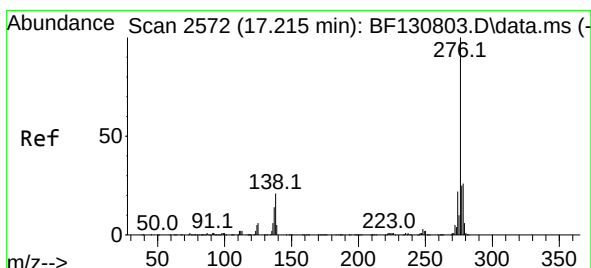
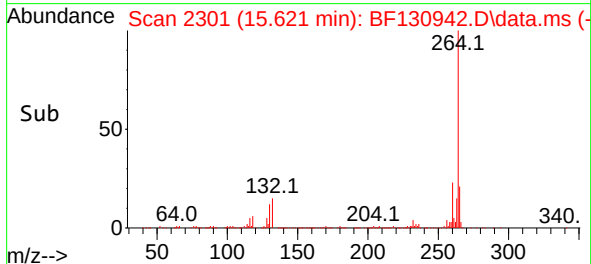
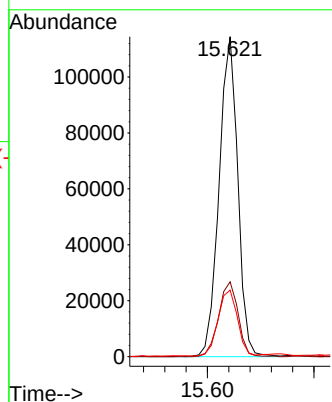
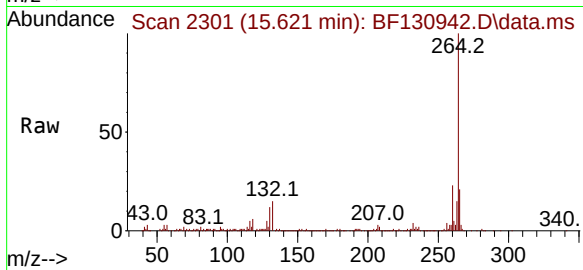
Tgt Ion:264 Resp: 139202

Ion Ratio Lower Upper

264 100

260 23.4 19.9 29.9

265 20.8 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.144 ng

RT: 17.145 min Scan# 2560

Delta R.T. -0.030 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

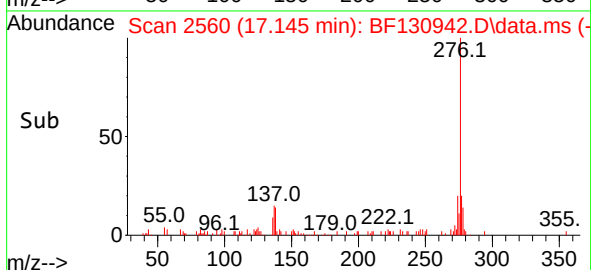
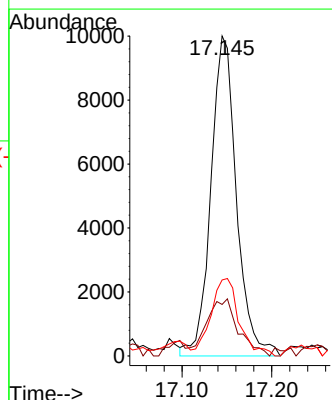
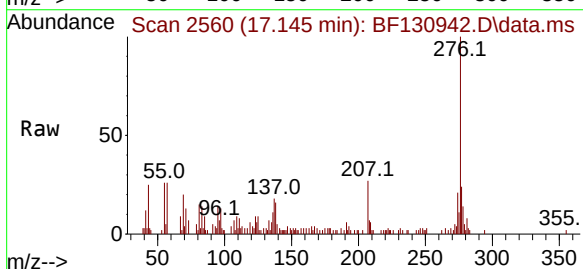
Tgt Ion:276 Resp: 19815

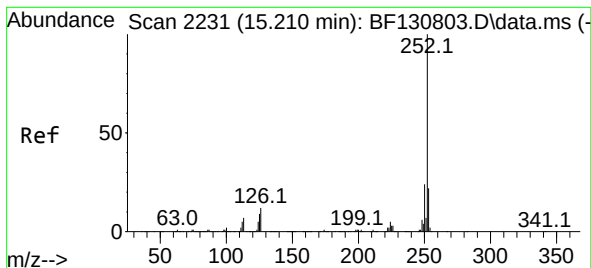
Ion Ratio Lower Upper

276 100

138 21.8 19.1 28.7

277 26.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 6.712 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Instrument :

BNA_F

ClientSampleId :

S-9-103122

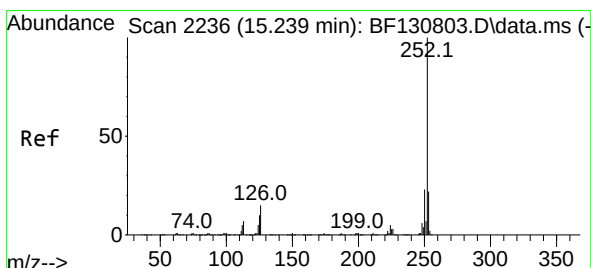
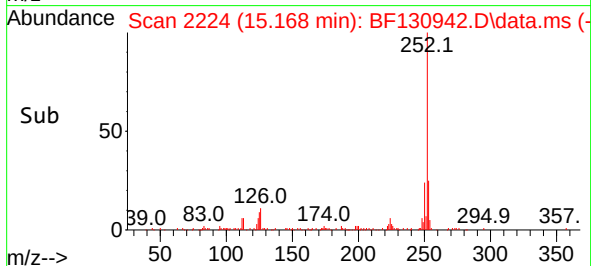
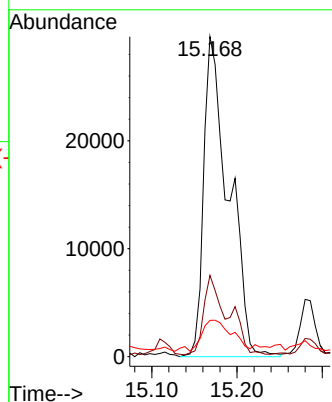
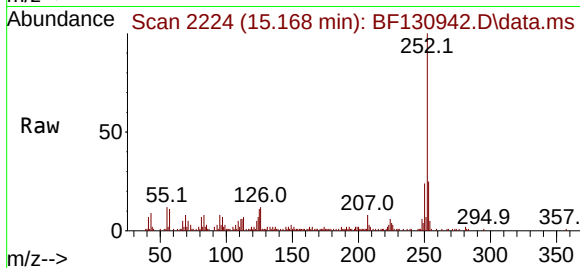
Tgt Ion:252 Resp: 60401

Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 11.3 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 6.889 ng

RT: 15.168 min Scan# 2224

Delta R.T. -0.047 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

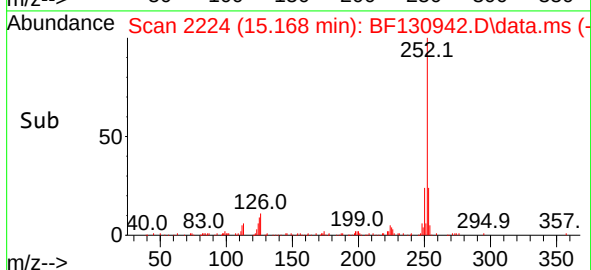
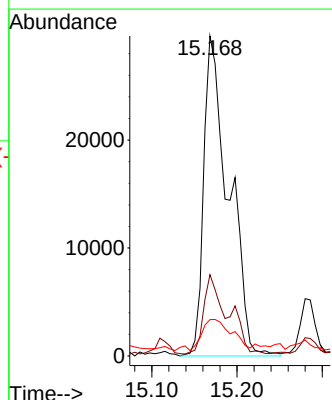
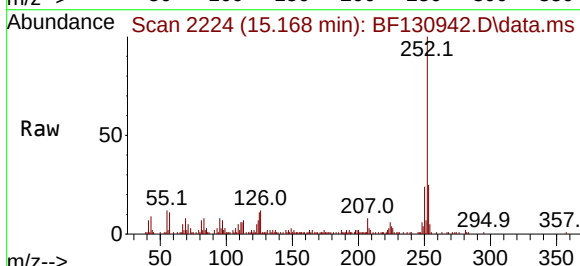
Tgt Ion:252 Resp: 60401

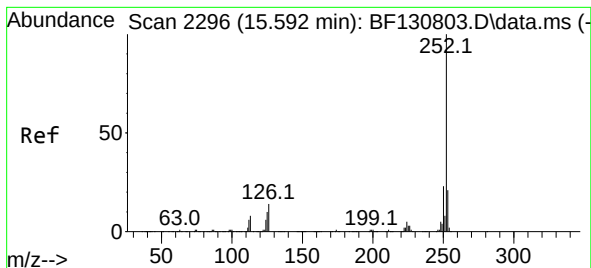
Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 11.3 8.0 12.0





#90

Benzo(a)pyrene

Concen: 4.356 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Instrument :

BNA_F

ClientSampleId :

S-9-103122

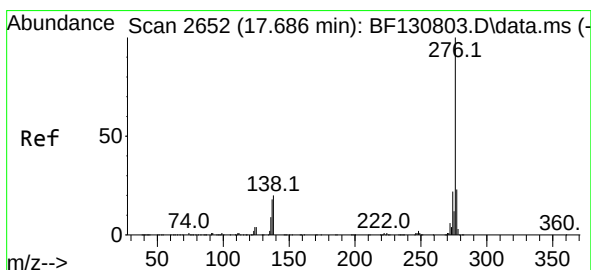
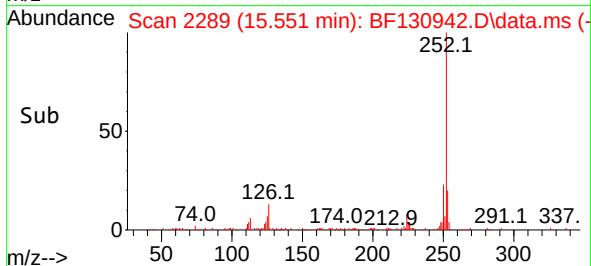
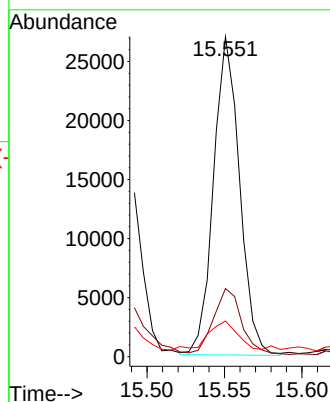
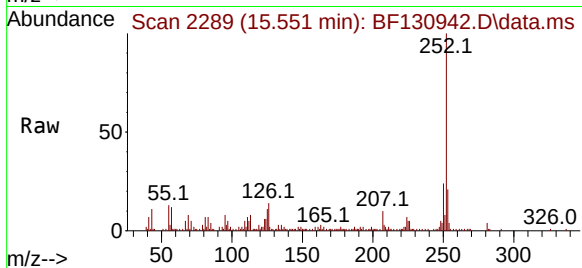
Tgt Ion:252 Resp: 31507

Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

125 11.2 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 2.265 ng

RT: 17.615 min Scan# 2640

Delta R.T. -0.035 min

Lab File: BF130942.D

Acq: 02 Nov 2022 21:41

Tgt Ion:276 Resp: 17413

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 17.4 16.3 24.5

