

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130945.D
 Acq On : 02 Nov 2022 23:19
 Operator : CG\JU
 Sample : N5395-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4-103122

Quant Time: Nov 03 03:49:24 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)

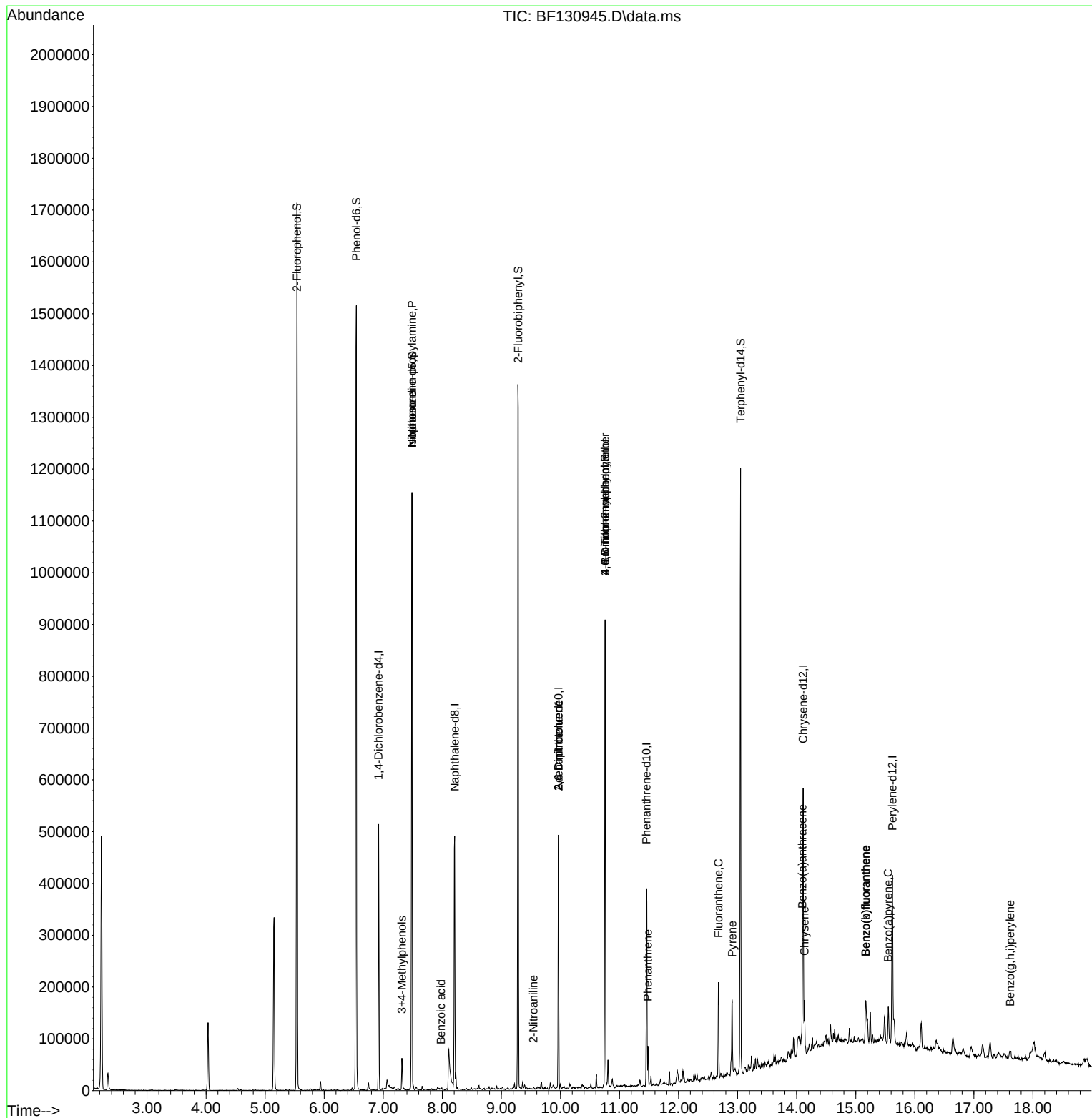
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	60677	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	203693	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	86046	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	135504	20.000	ng	-0.01
76) Chrysene-d12	14.109	240	147216	20.000	ng	-0.01
86) Perylene-d12	15.621	264	147024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	409171	116.905	ng	0.00
7) Phenol-d6	6.545	99	492261	108.230	ng	0.00
23) Nitrobenzene-d5	7.486	82	318661	94.333	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	87241	120.443	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	405303	71.214	ng	0.00
79) Terphenyl-d14	13.051	244	363433	45.238	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	44171	14.274	ng	# 77
20) 3+4-Methylphenols	7.316	107	14837	3.424	ng	86
25) Isophorone	7.486	82	318656	45.744	ng	# 66
32) Benzoic acid	7.975	122	71	7.709	ng	# 1
48) 2-Nitroaniline	9.545	65	58	4.180	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	11157	12.142	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	11157	11.000	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	328	8.412	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	6220	4.564	ng	# 1
71) Phenanthrene	11.480	178	26170	3.742	ng	97
75) Fluoranthene	12.674	202	66406	8.937	ng	99
78) Pyrene	12.910	202	59860	4.820	ng	98
81) Benzo(a)anthracene	14.098	228	38994	3.995	ng	97
83) Chrysene	14.133	228	35023	3.720	ng	95
88) Benzo(b)fluoranthene	15.168	252	61991	6.523	ng	# 97
89) Benzo(k)fluoranthene	15.168	252	61991	6.694	ng	98
90) Benzo(a)pyrene	15.551	252	32842	4.299	ng	95
92) Benzo(g,h,i)perylene	17.615	276	16706	2.057	ng	97

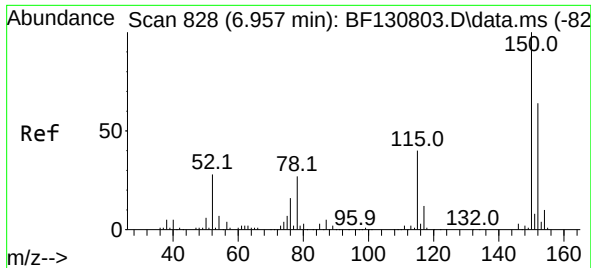
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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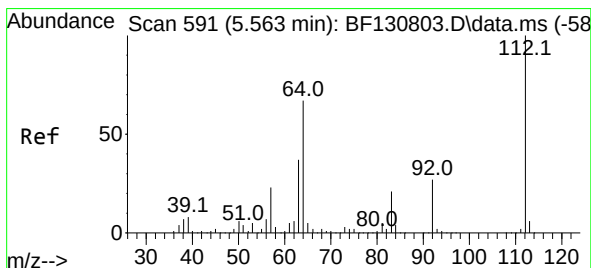
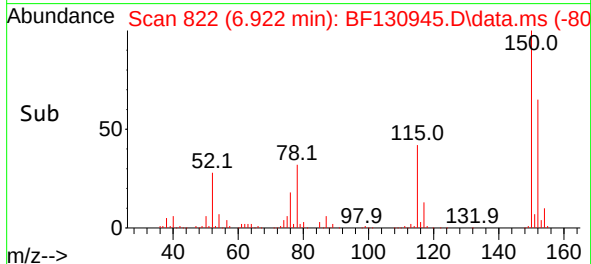
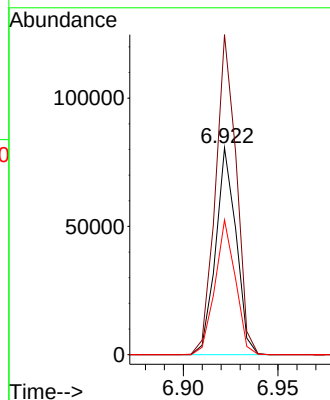
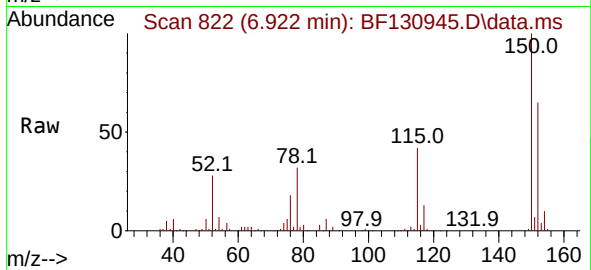




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

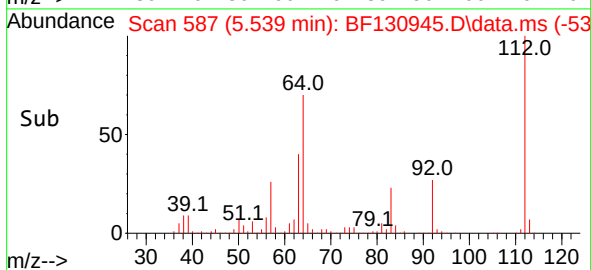
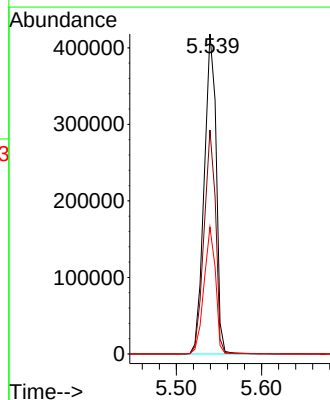
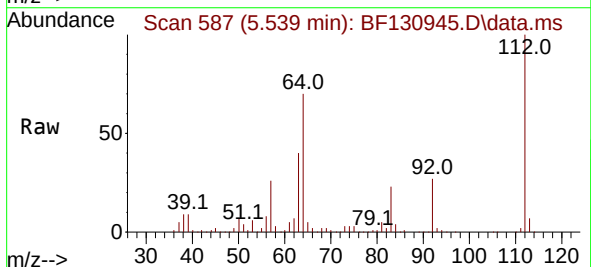
Instrument :
BNA_F
ClientSampleId :
S-4-103122

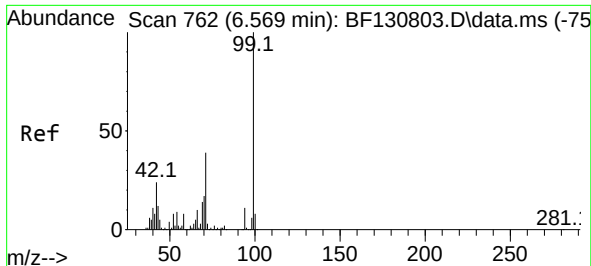
Tgt Ion:152 Resp: 60677
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 65.1 50.1 75.1



#5
2-Fluorophenol
Concen: 116.905 ng
RT: 5.539 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:112 Resp: 409171
Ion Ratio Lower Upper
112 100
64 70.0 53.9 80.9
63 39.7 29.4 44.2

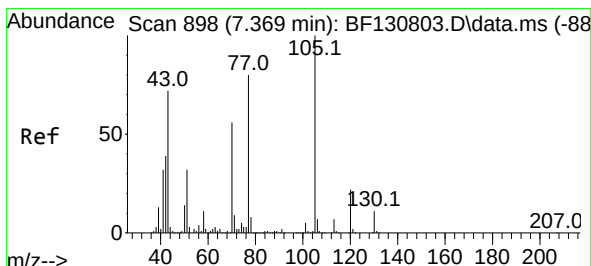
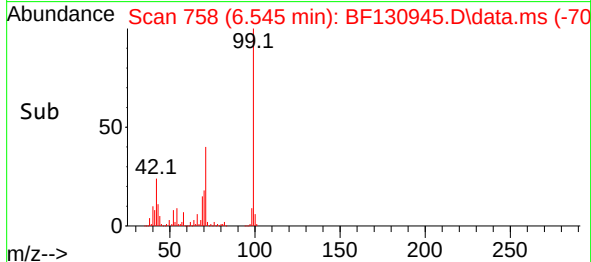
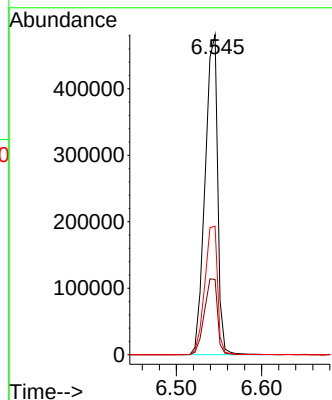
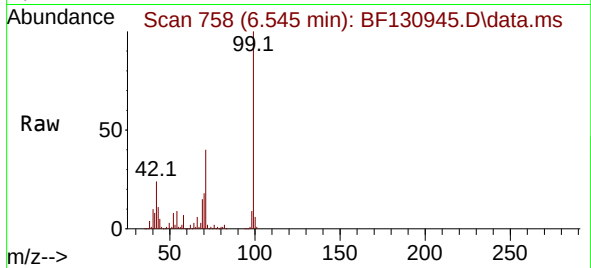




#7
Phenol-d6
Concen: 108.230 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

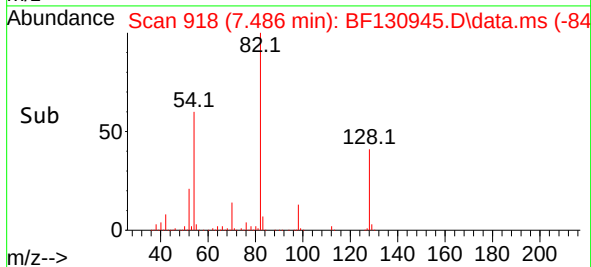
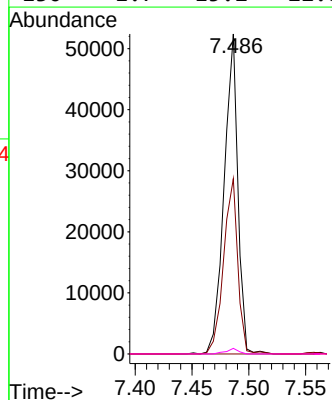
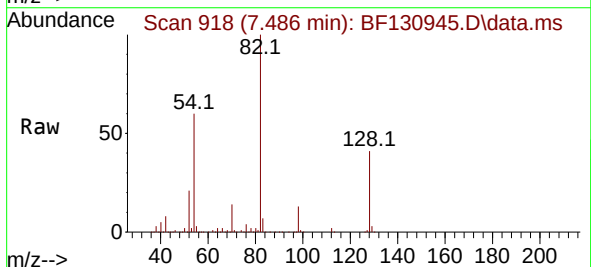
Instrument :
BNA_F
ClientSampleId :
S-4-103122

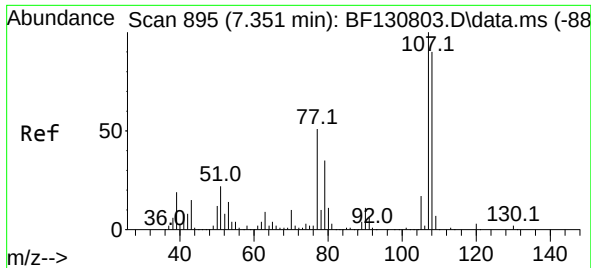
Tgt Ion: 99 Resp: 492261
Ion Ratio Lower Upper
99 100
42 23.5 18.8 28.2
71 40.2 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.274 ng
RT: 7.486 min Scan# 918
Delta R.T. 0.147 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion: 70 Resp: 44171
Ion Ratio Lower Upper
70 100
42 54.7 56.1 84.1#
101 0.0 7.3 10.9#
130 1.7 15.2 22.8#

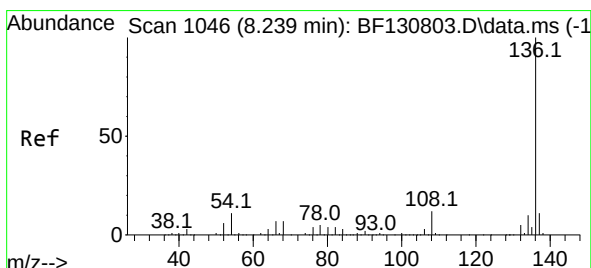
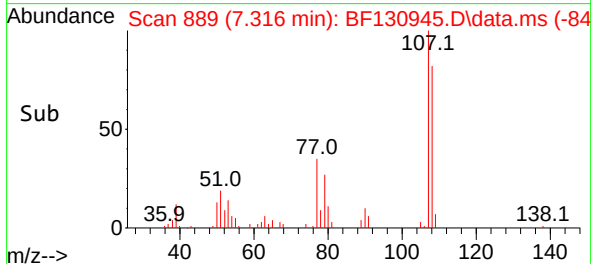
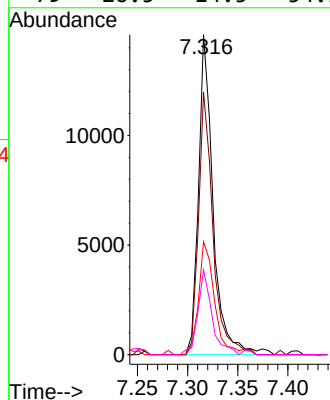
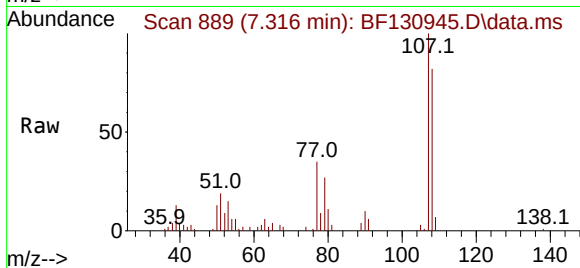




#20
3+4-Methylphenols
Concen: 3.424 ng
RT: 7.316 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

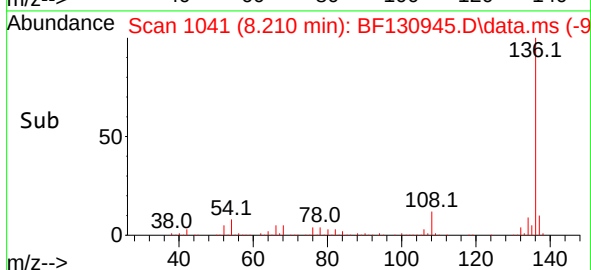
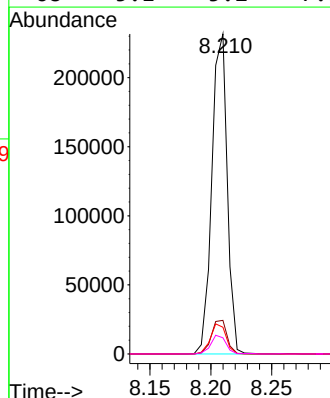
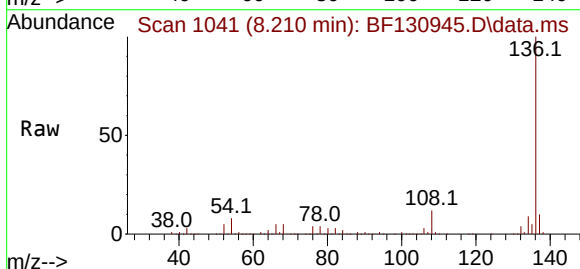
Instrument :
BNA_F
ClientSampleId :
S-4-103122

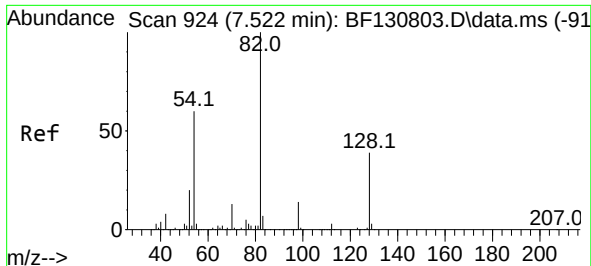
Tgt Ion:107	Resp:	14837
Ion	Ratio	Lower Upper
107	100	
108	82.1	70.4 110.4
77	35.3	31.1 71.1
79	26.5	14.5 54.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:136	Resp:	203693
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.2 13.8
54	8.4	8.8 13.2#
68	5.1	5.2 7.8#

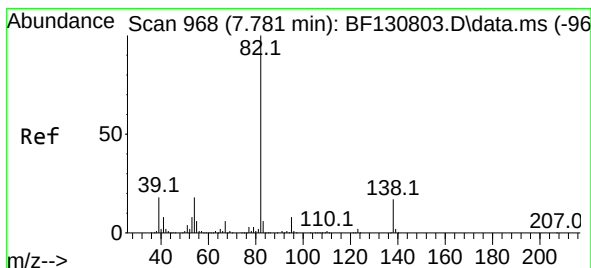
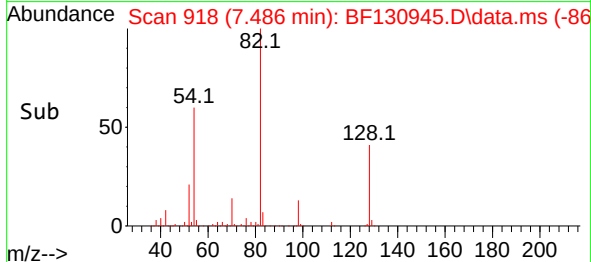
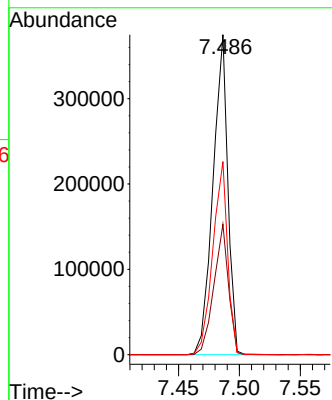
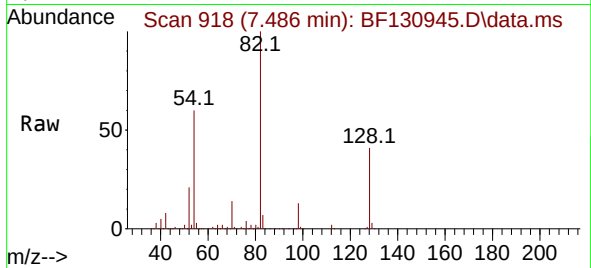




#23
Nitrobenzene-d5
Concen: 94.333 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

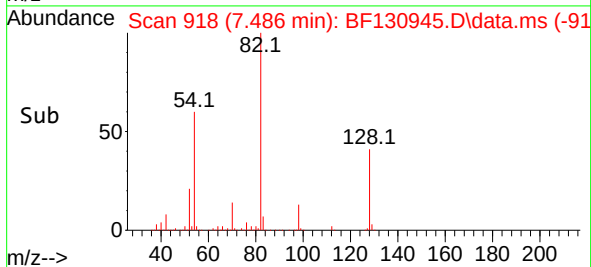
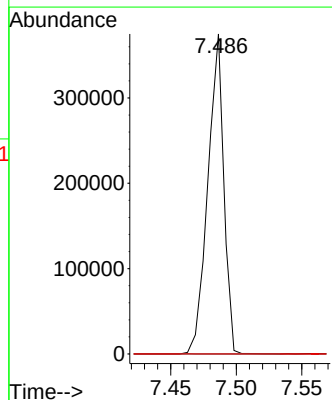
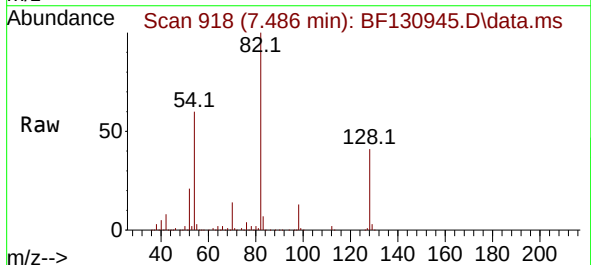
Instrument :
BNA_F
ClientSampleId :
S-4-103122

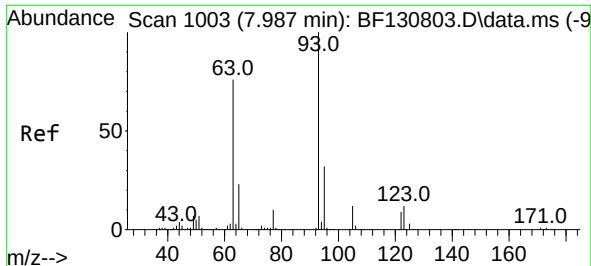
Tgt Ion: 82 Resp: 318661
Ion Ratio Lower Upper
82 100
128 40.7 31.2 46.8
54 60.4 48.0 72.0



#25
Isophorone
Concen: 45.744 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.265 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion: 82 Resp: 318656
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#





#32

Benzoic acid

Concen: 7.709 ng

RT: 7.975 min Scan# 1001

Delta R.T. 0.006 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

Instrument :

BNA_F

ClientSampleId :

S-4-103122

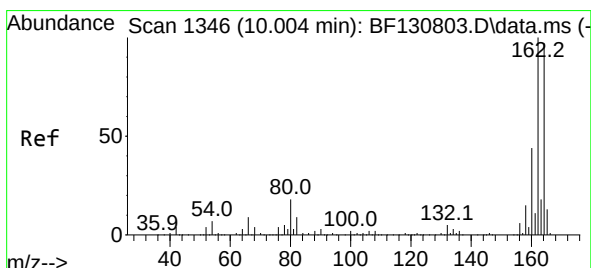
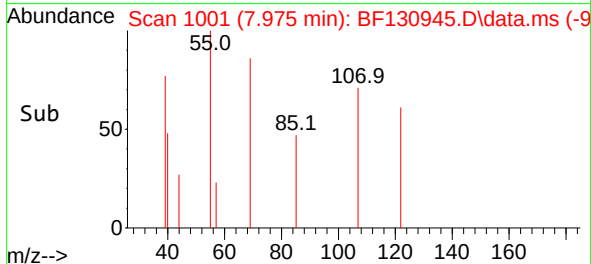
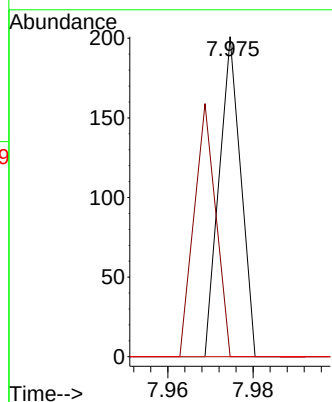
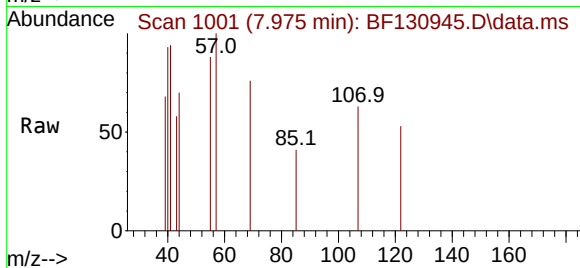
Tgt Ion:122 Resp: 71

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# 1340

Delta R.T. -0.006 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

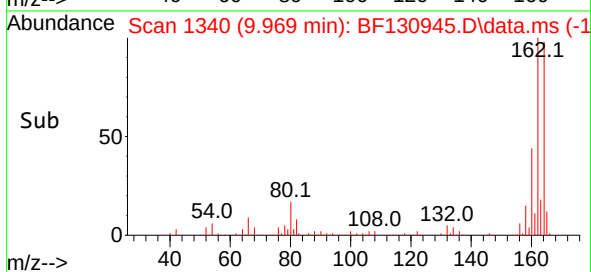
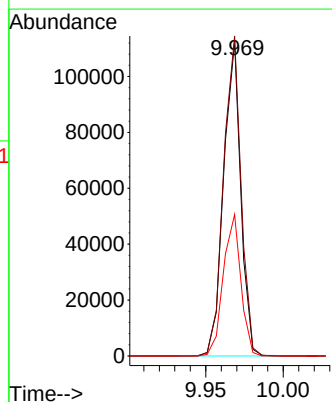
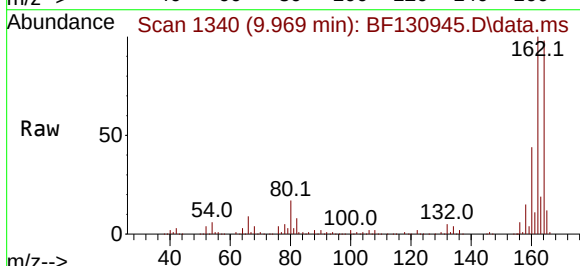
Tgt Ion:164 Resp: 86046

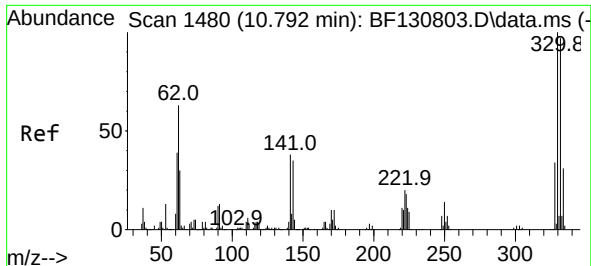
Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 120.443 ng

RT: 10.757 min Scan# 1480

Delta R.T. -0.012 min

Lab File: BF130945.D

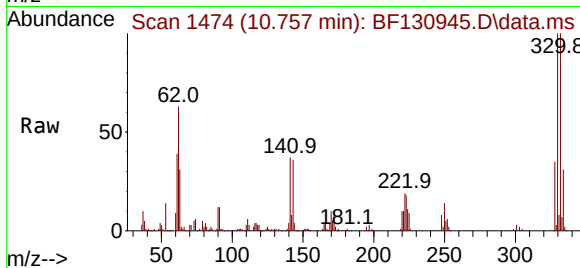
Acq: 02 Nov 2022 23:19

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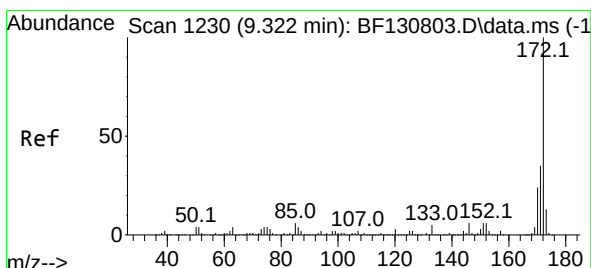
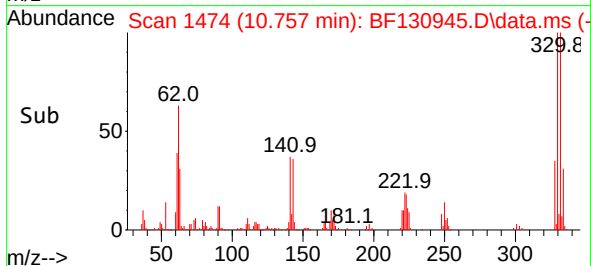
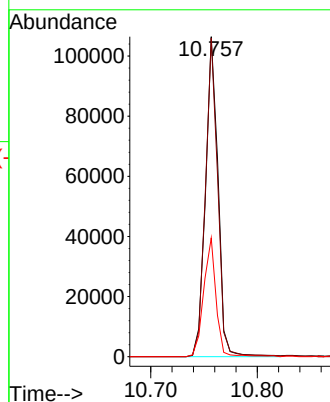
Tgt Ion:330 Resp: 87241

Ion Ratio Lower Upper

330 100

332 97.9 76.2 114.4

141 36.9 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 71.214 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

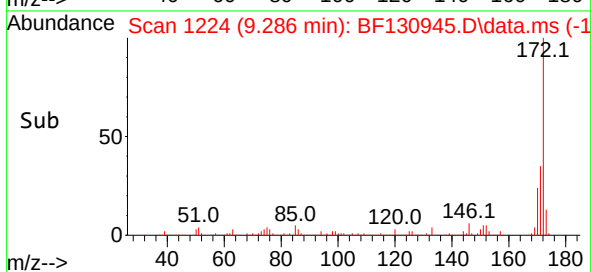
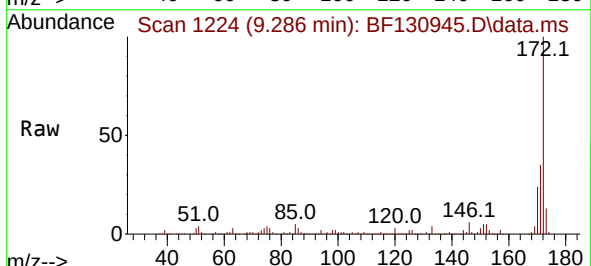
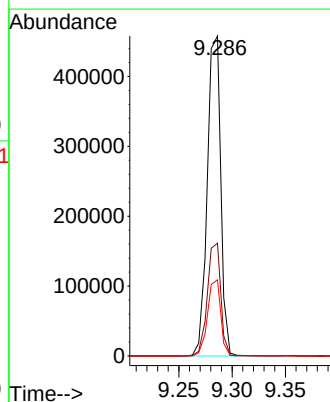
Tgt Ion:172 Resp: 405303

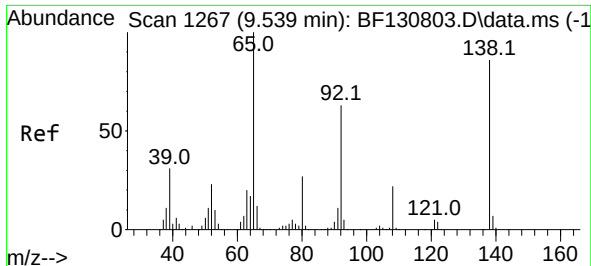
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.8 19.0 28.4

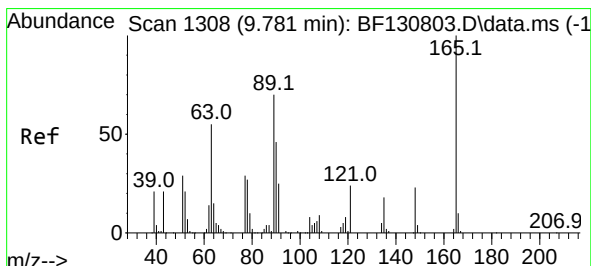
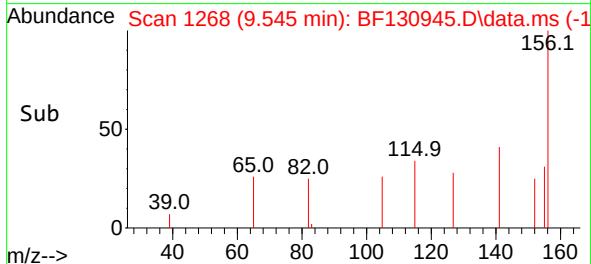
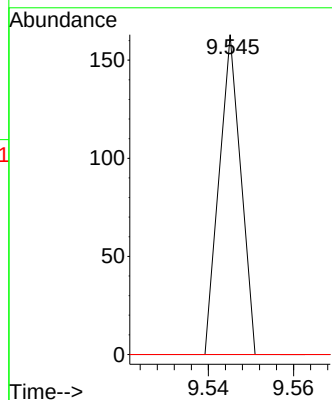
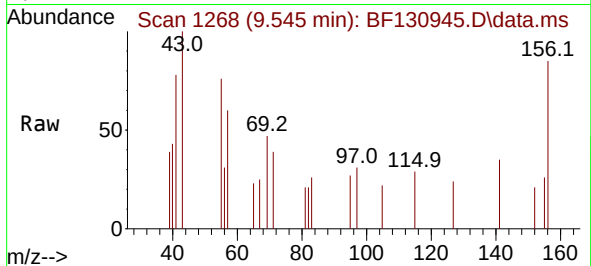




#48
2-Nitroaniline
Concen: 4.180 ng
RT: 9.545 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

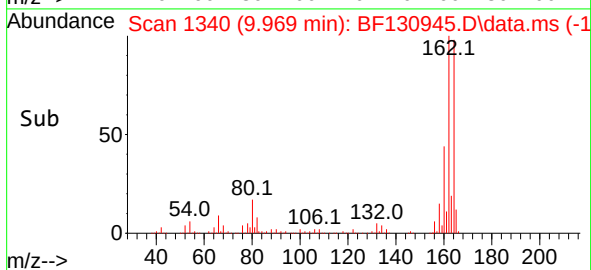
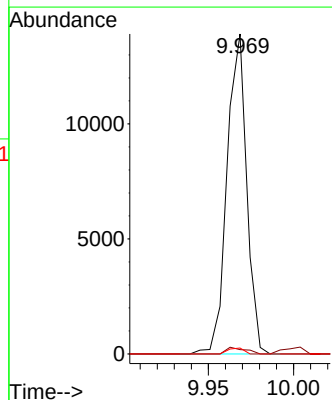
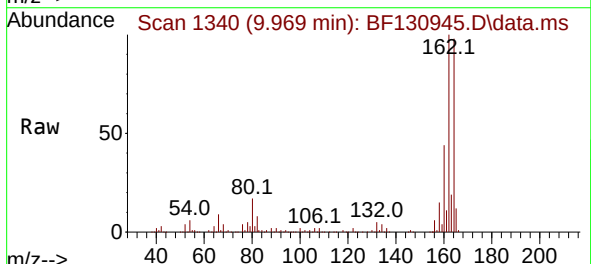
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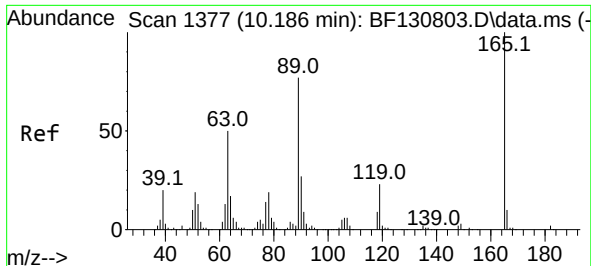
Tgt Ion: 65 Resp: 58
Ion Ratio Lower Upper
65 100
92 0.0 50.1 75.1#
138 0.0 69.2 103.8#



#51
2,6-Dinitrotoluene
Concen: 12.142 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.212 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion: 165 Resp: 11157
Ion Ratio Lower Upper
165 100
63 1.4 61.8 92.8#
89 1.8 56.2 84.4#

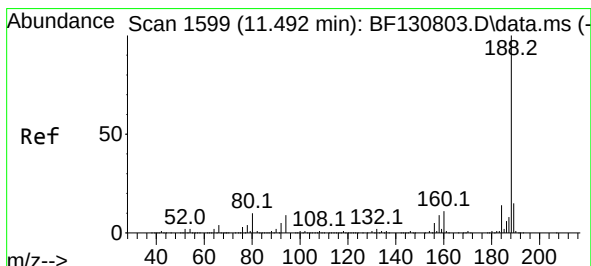
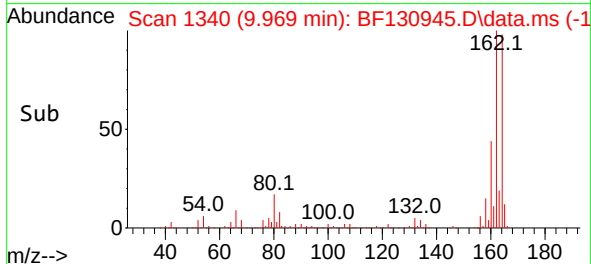
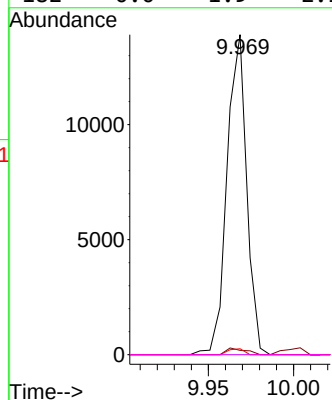
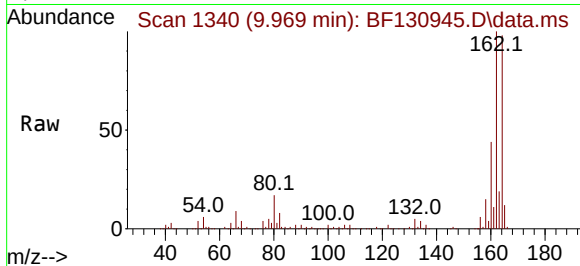




#57
2,4-Dinitrotoluene
Concen: 11.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

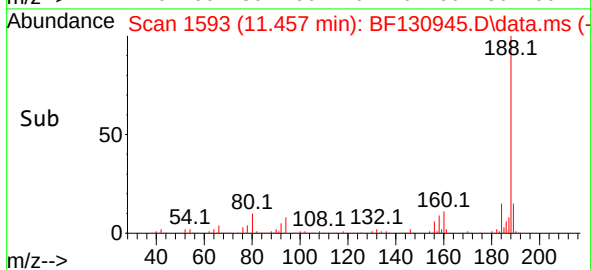
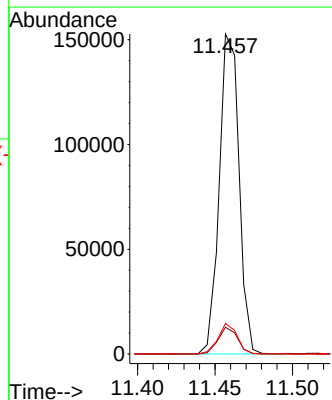
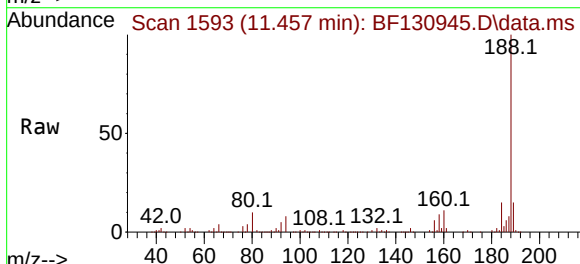
Instrument :
BNA_F
ClientSampleId :
S-4-103122

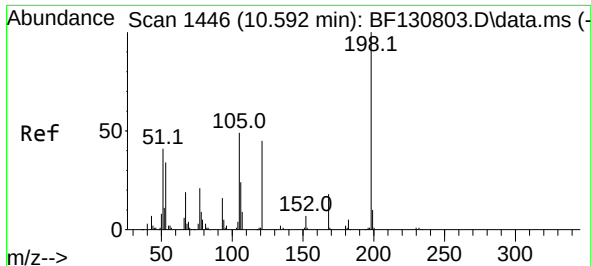
Tgt Ion:165 Resp: 11157
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.8 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:188 Resp: 135504
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.6 8.0 12.0

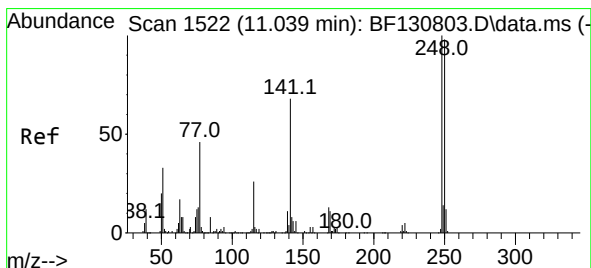
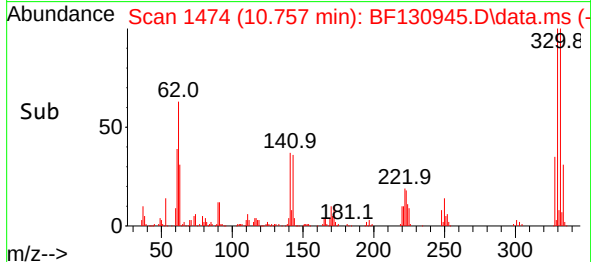
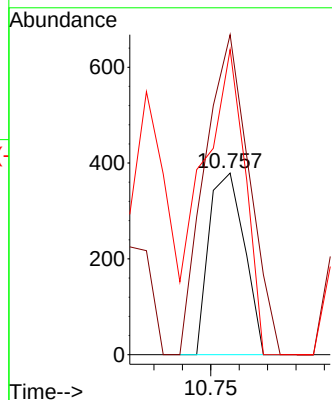
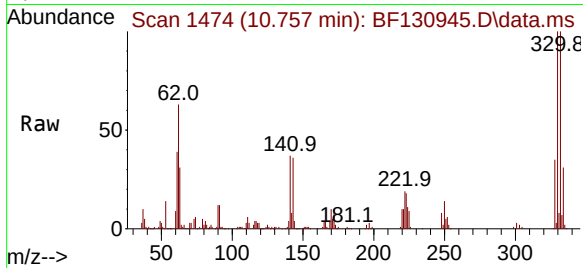




#65
4,6-Dinitro-2-methylphenol
Concen: 8.412 ng
RT: 10.757 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

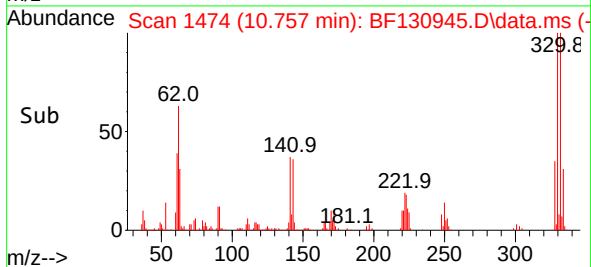
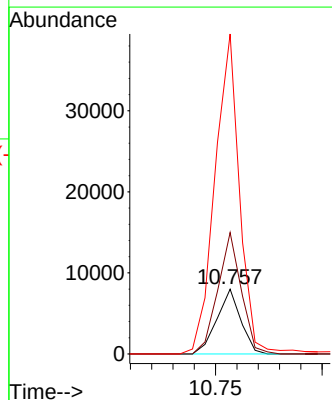
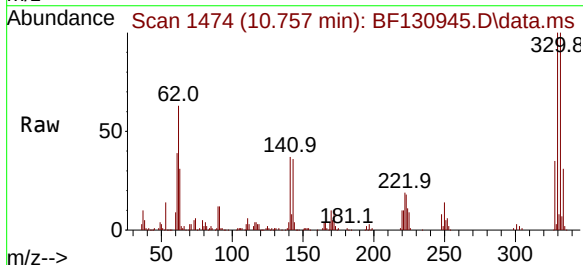
Instrument :
BNA_F
ClientSampleId :
S-4-103122

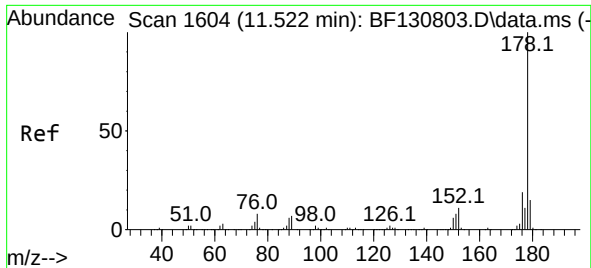
Tgt Ion:198 Resp: 328
Ion Ratio Lower Upper
198 100
51 176.3 39.0 79.0#
105 168.1 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:248 Resp: 6220
Ion Ratio Lower Upper
248 100
250 187.4 78.6 117.8#
141 493.9 54.2 81.4#

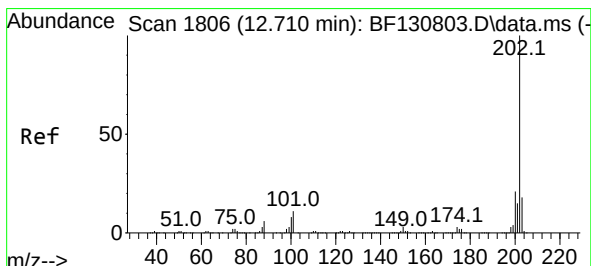
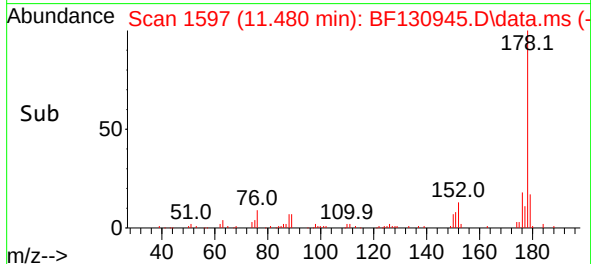
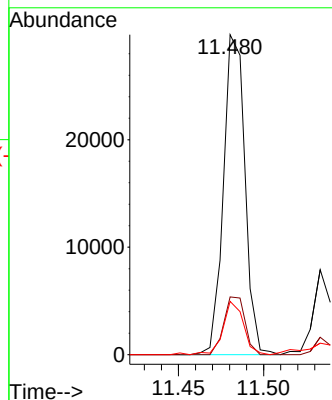
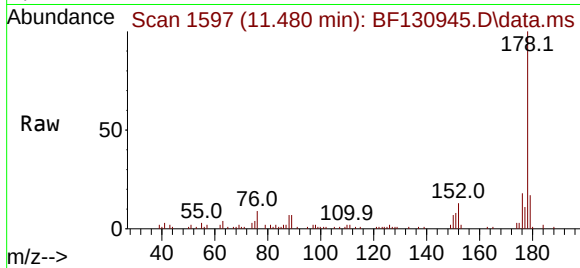




#71
Phenanthrene
Concen: 3.742 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

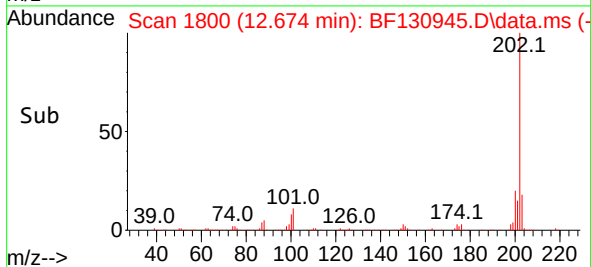
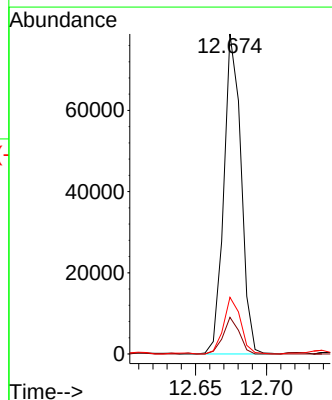
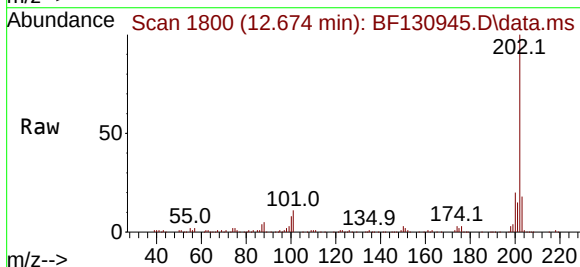
Instrument :
BNA_F
ClientSampleId :
S-4-103122

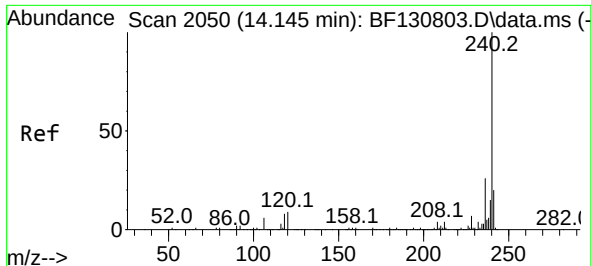
Tgt Ion:178 Resp: 26170
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.7 12.2 18.2



#75
Fluoranthene
Concen: 8.937 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:202 Resp: 66406
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.9
203 17.7 0.0 37.7

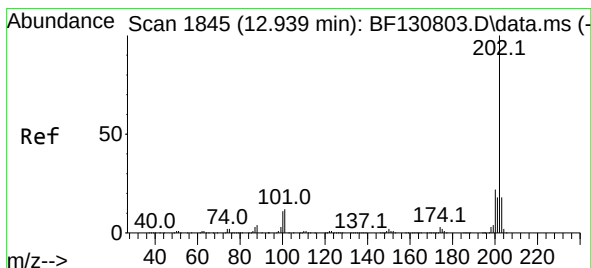
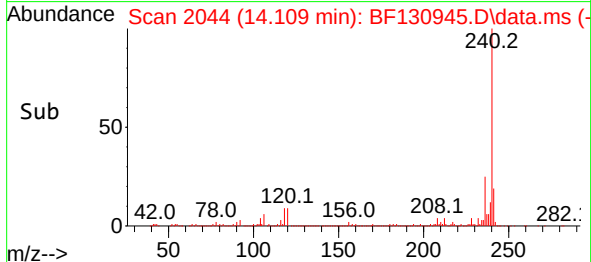
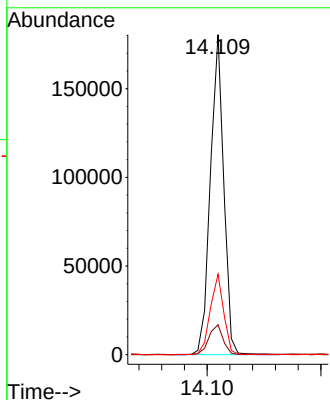
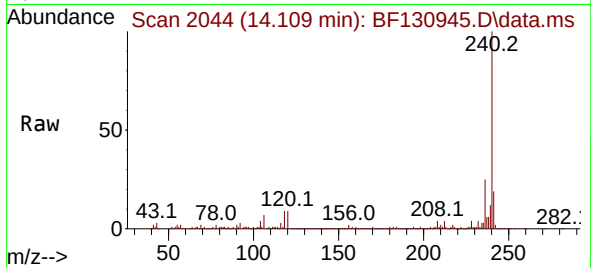




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.109 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

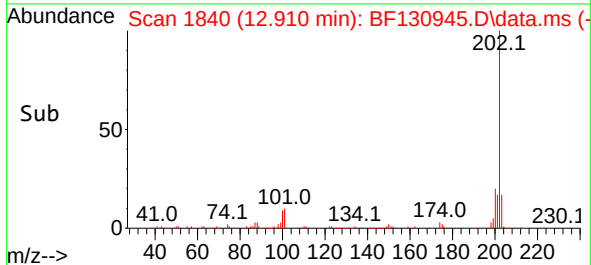
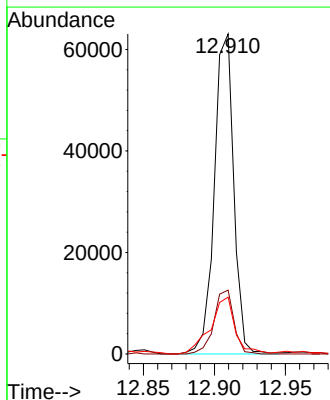
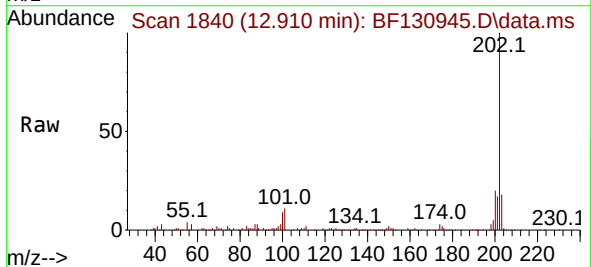
Instrument :
BNA_F
ClientSampleId :
S-4-103122

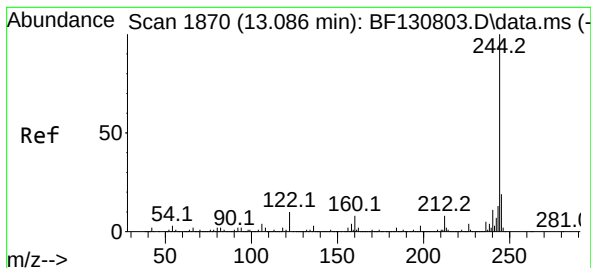
Tgt Ion:240 Resp: 147216
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.4
236 25.2 20.5 30.7



#78
Pyrene
Concen: 4.820 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:202 Resp: 59860
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 17.7 14.5 21.7





#79

Terphenyl-d14

Concen: 45.238 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

Instrument :

BNA_F

ClientSampleId :

S-4-103122

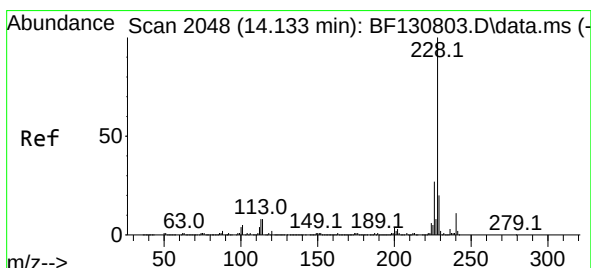
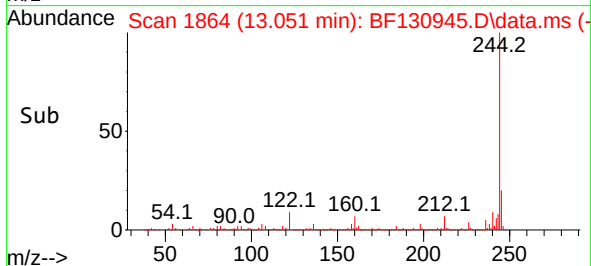
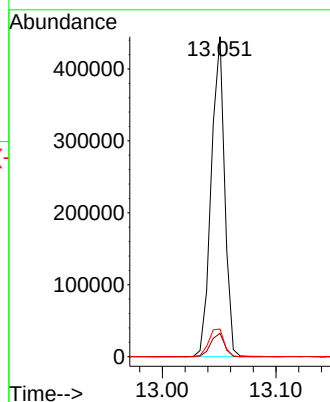
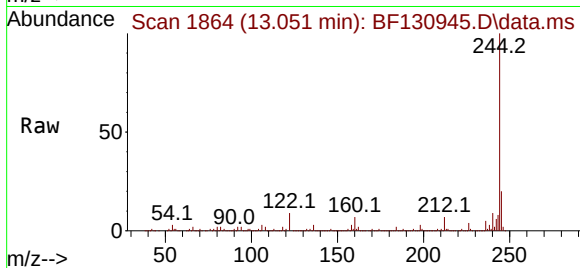
Tgt Ion:244 Resp: 363433

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 8.6 7.9 11.9



#81

Benzo(a)anthracene

Concen: 3.995 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.012 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

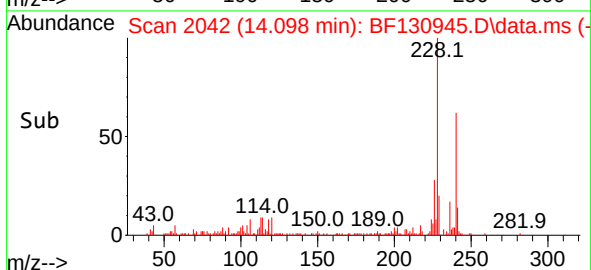
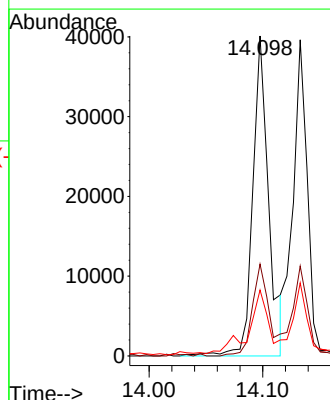
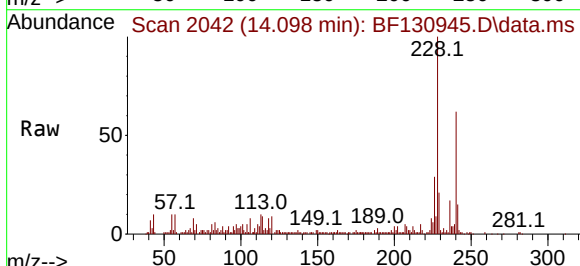
Tgt Ion:228 Resp: 38994

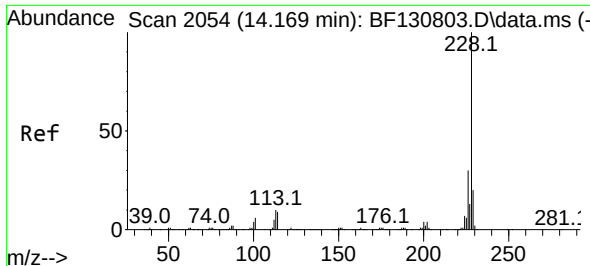
Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.2

229 20.6 15.8 23.6

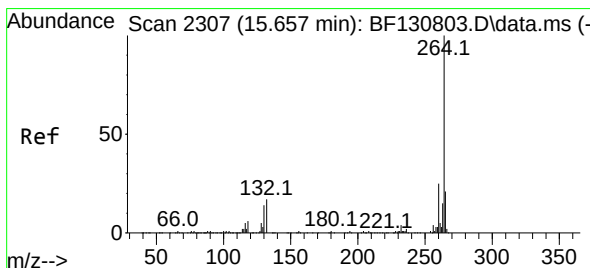
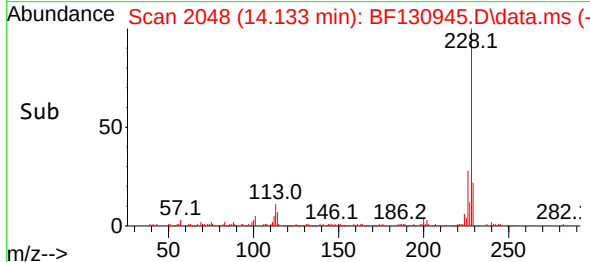
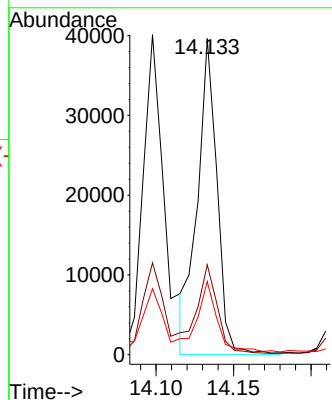
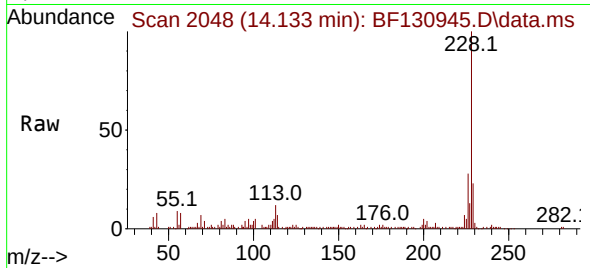




#83
Chrysene
Concen: 3.720 ng
RT: 14.133 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

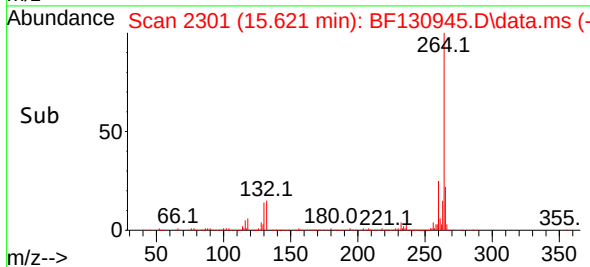
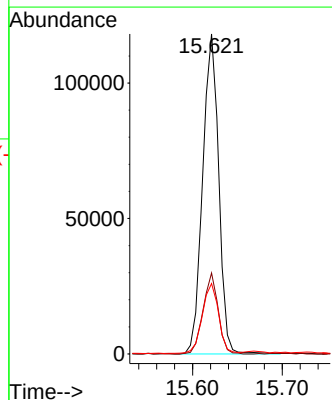
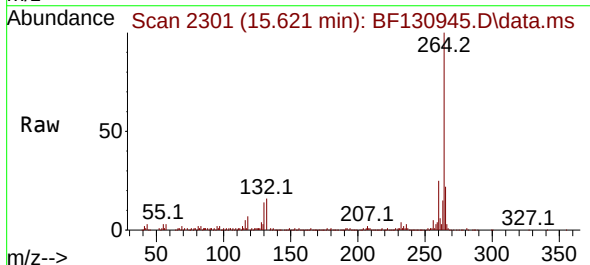
Instrument :
BNA_F
ClientSampleId :
S-4-103122

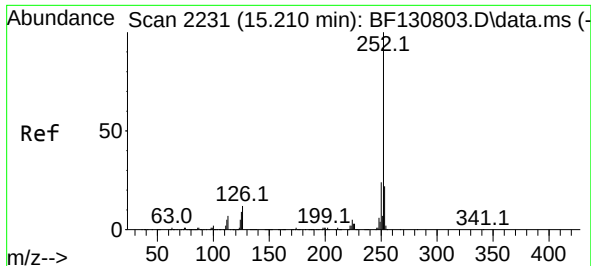
Tgt Ion:228	Resp:	35023
Ion Ratio	Lower	Upper
228	100	
226	28.4	23.9 35.9
229	23.1	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2301
Delta R.T. -0.006 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:264	Resp:	147024
Ion Ratio	Lower	Upper
264	100	
260	25.3	19.9 29.9
265	22.0	17.0 25.6

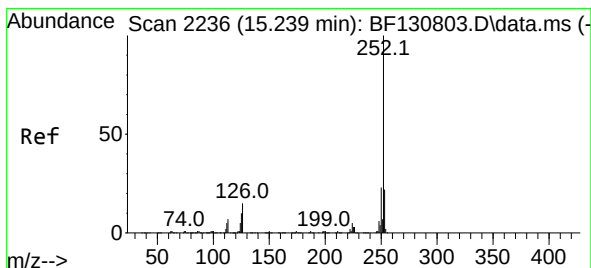
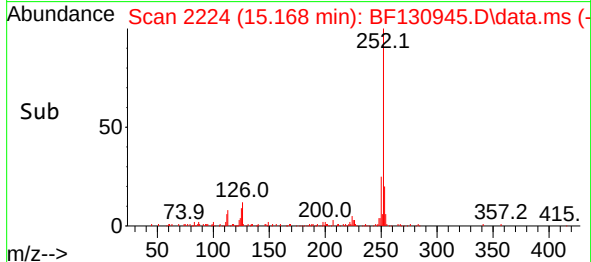
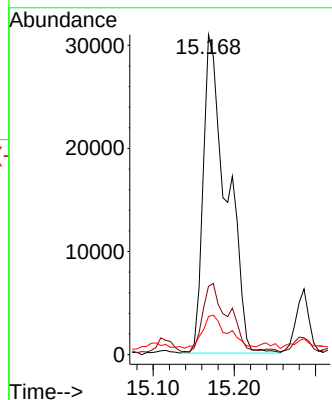
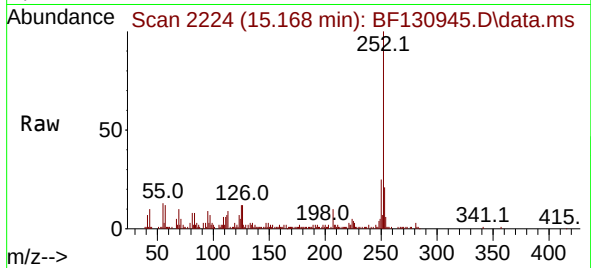




#88
Benzo(b)fluoranthene
Concen: 6.523 ng
RT: 15.168 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

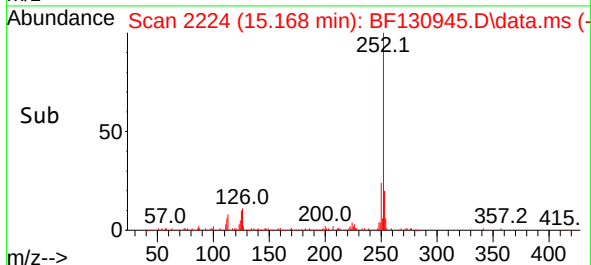
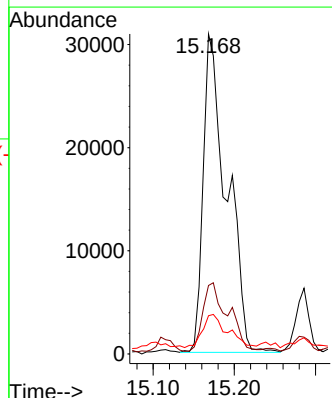
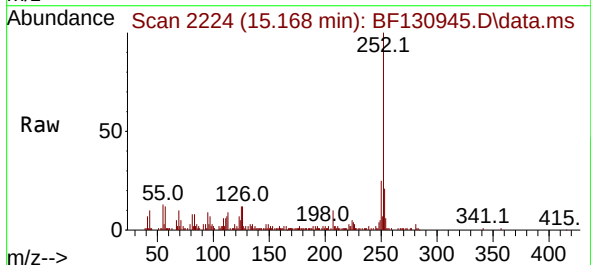
Instrument :
BNA_F
ClientSampleId :
S-4-103122

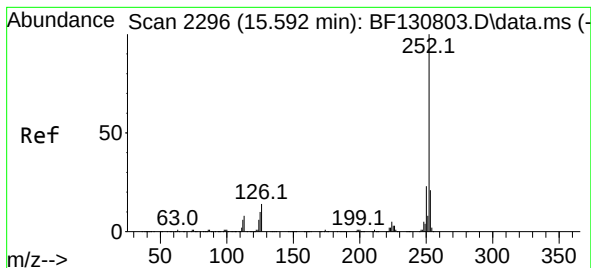
Tgt Ion:252 Resp: 61991
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 11.9 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 6.694 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.047 min
Lab File: BF130945.D
Acq: 02 Nov 2022 23:19

Tgt Ion:252 Resp: 61991
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 4.299 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

Instrument :

BNA_F

ClientSampleId :

S-4-103122

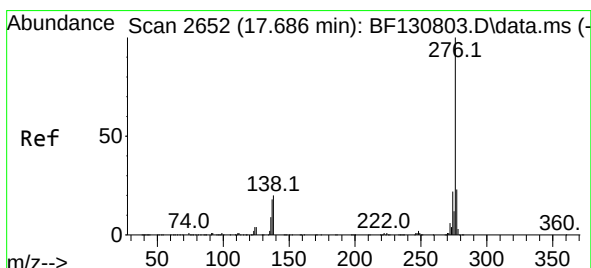
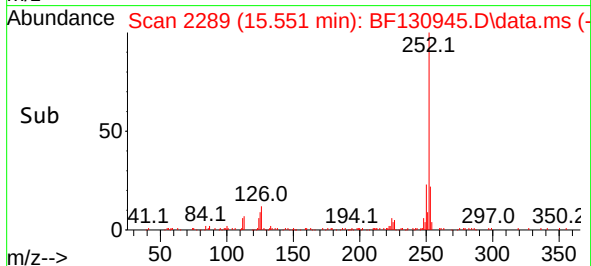
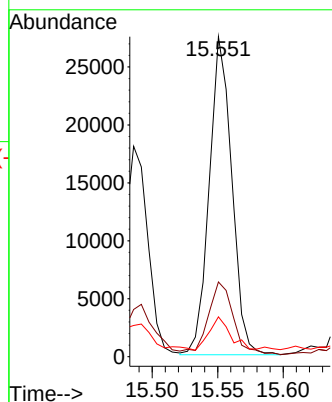
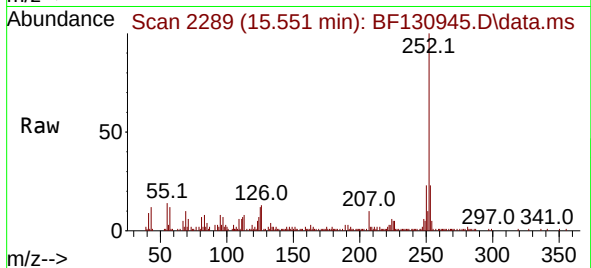
Tgt Ion:252 Resp: 32842

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

125 12.4 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 2.057 ng

RT: 17.615 min Scan# 2640

Delta R.T. -0.035 min

Lab File: BF130945.D

Acq: 02 Nov 2022 23:19

Tgt Ion:276 Resp: 16706

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 23.0 16.3 24.5

