

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
 Data File : BF130707.D
 Acq On : 18 Oct 2022 19:56
 Operator : CG\JU
 Sample : N5162-021
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-101422

Quant Time: Oct 19 02:41:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

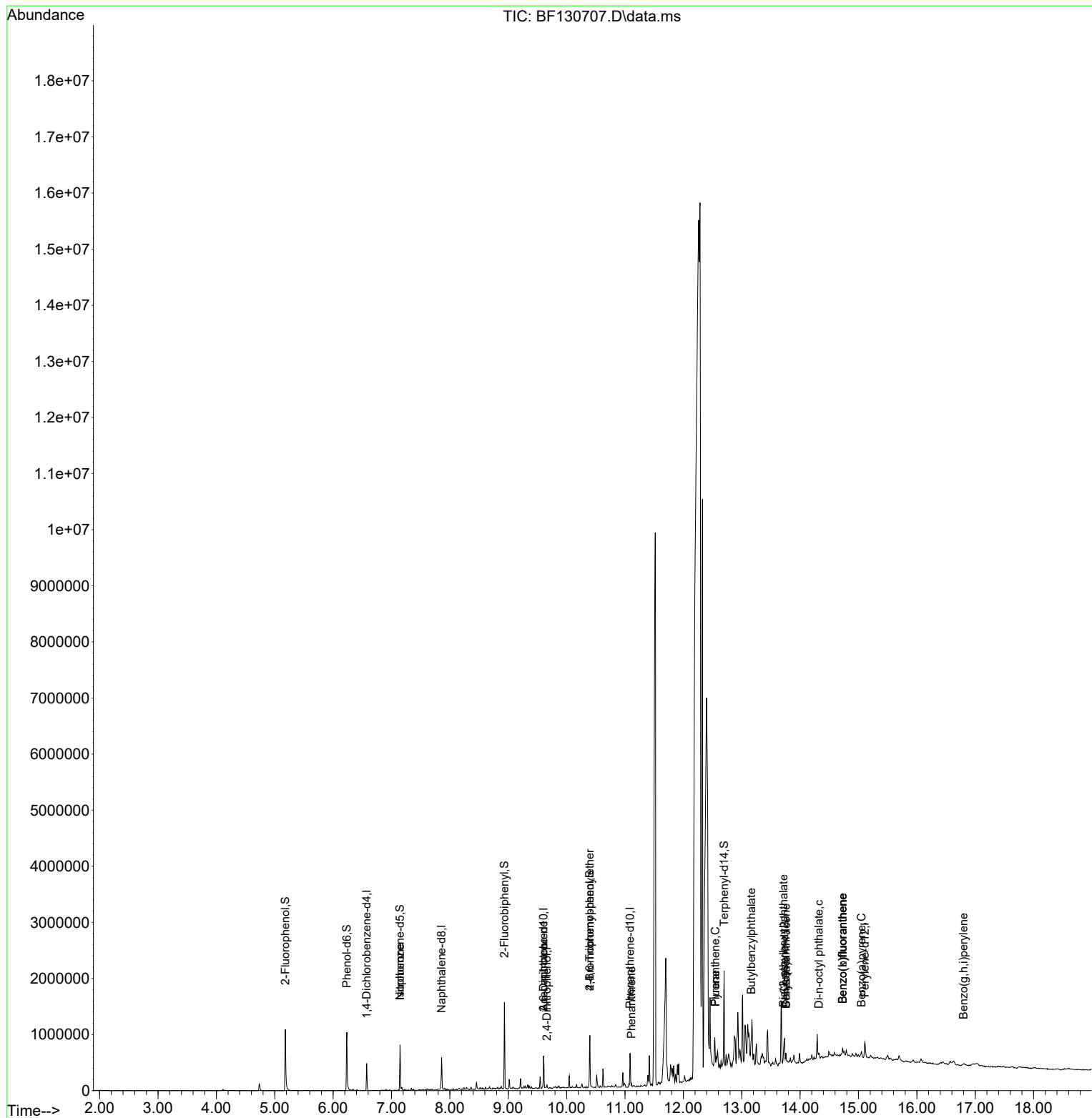
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	66170	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	223963	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	112876	20.000	ng	0.00
64) Phenanthrene-d10	11.086	188	200653	20.000	ng	0.00
76) Chrysene-d12	13.733	240	142785	20.000	ng	0.01
86) Perylene-d12	15.110	264	111275	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	341875	93.131	ng	0.01
7) Phenol-d6	6.234	99	387277	83.910	ng	0.00
23) Nitrobenzene-d5	7.145	82	228152	55.612	ng	0.00
42) 2,4,6-Tribromophenol	10.398	330	111661	101.098	ng	0.00
45) 2-Fluorobiphenyl	8.934	172	413448	55.483	ng	0.00
79) Terphenyl-d14	12.698	244	517439	60.147	ng	0.02
Target Compounds						Qvalue
25) Isophorone	7.145	82	228150	33.413	ng	# 64
51) 2,6-Dinitrotoluene	9.604	165	15588	9.095	ng	# 26
54) 2,4-Dinitrophenol	9.663	184	70	5.049	ng	# 19
67) 4-Bromophenyl-phenylether	10.398	248	6458	2.844	ng	# 1
71) Phenanthrene	11.110	178	22723	2.044	ng	# 94
75) Fluoranthene	12.545	202	50596	4.735	ng	# 83
78) Pyrene	12.545	202	50684	4.115	ng	# 91
80) Butylbenzylphthalate	13.163	149	17958	3.791	ng	# 50
81) Benzo(a)anthracene	13.757	228	63008	6.549	ng	# 94
83) Chrysene	13.757	228	63008	6.907	ng	# 98
84) Bis(2-ethylhexyl)phtha...	13.716	149	25920	4.514	ng	# 97
85) Di-n-octyl phthalate	14.321	149	41854	4.759	ng	# 79
88) Benzo(b)fluoranthene	14.727	252	56814	8.063	ng	# 88
89) Benzo(k)fluoranthene	14.727	252	56814	7.919	ng	# 87
90) Benzo(a)pyrene	15.051	252	38843	6.624	ng	# 87
92) Benzo(g,h,i)perylene	16.798	276	15957	2.510	ng	# 79

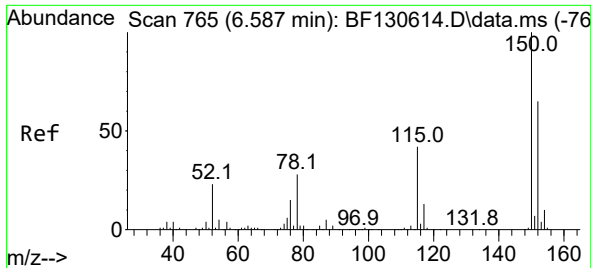
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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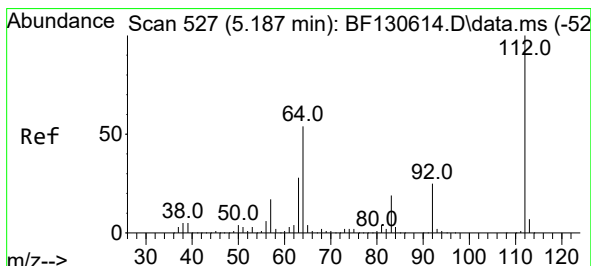
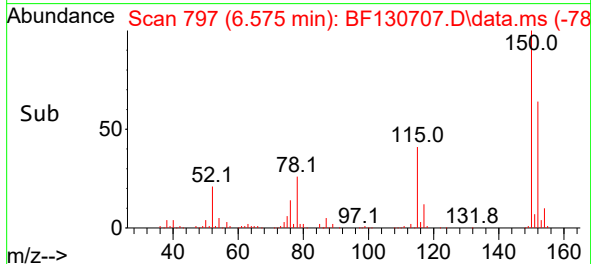
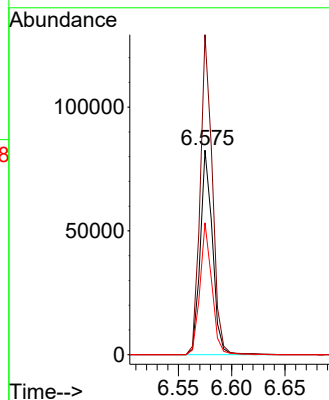
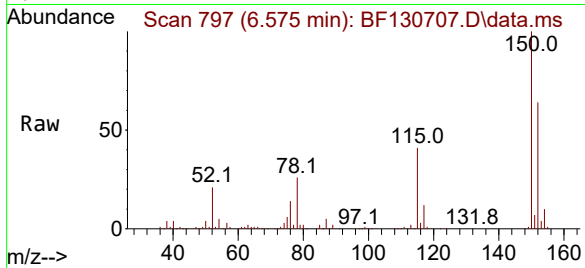




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.575 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF130707.D
 Acq: 18 Oct 2022 19:56

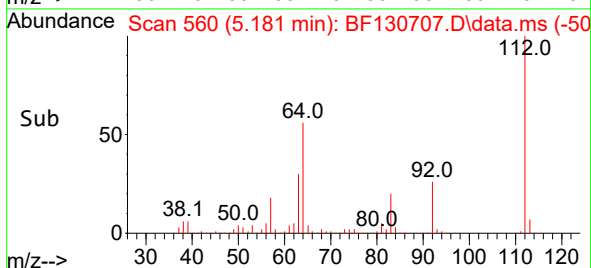
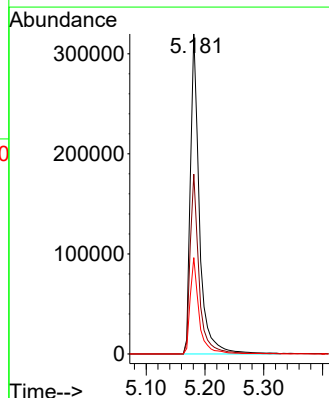
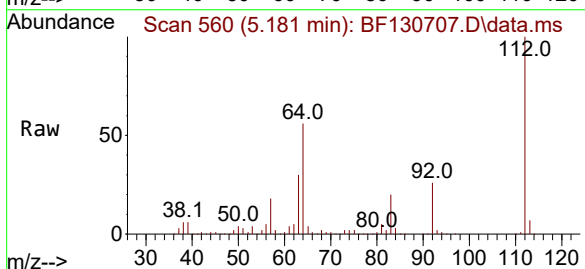
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-101422

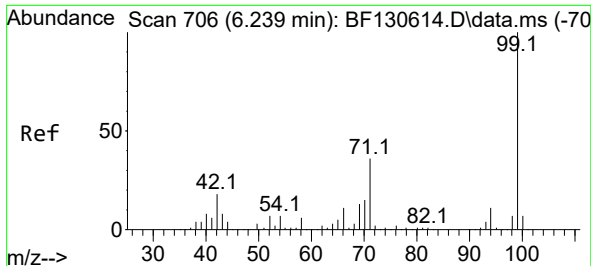
Tgt Ion:152 Resp: 66170
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.8 185.6
 115 64.5 52.2 78.4



#5
 2-Fluorophenol
 Concen: 93.131 ng
 RT: 5.181 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: BF130707.D
 Acq: 18 Oct 2022 19:56

Tgt Ion:112 Resp: 341875
 Ion Ratio Lower Upper
 112 100
 64 56.2 43.5 65.3
 63 30.1 22.6 34.0

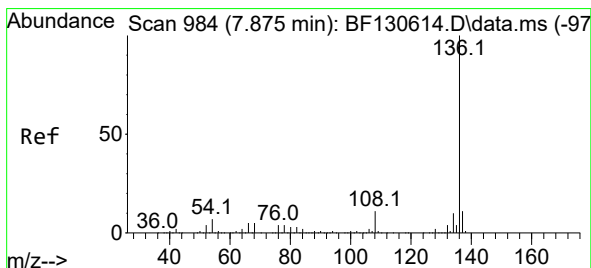
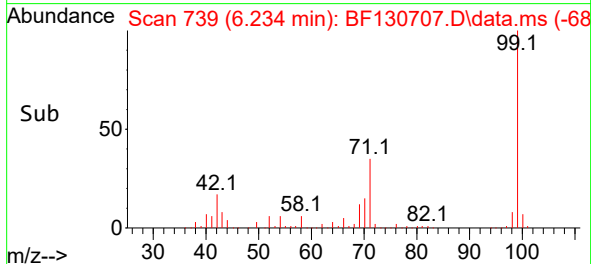
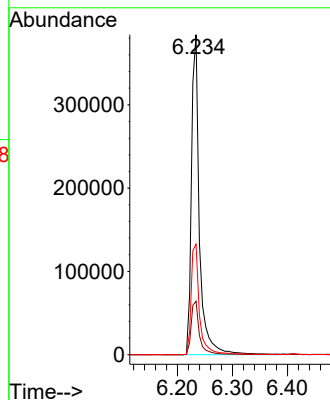
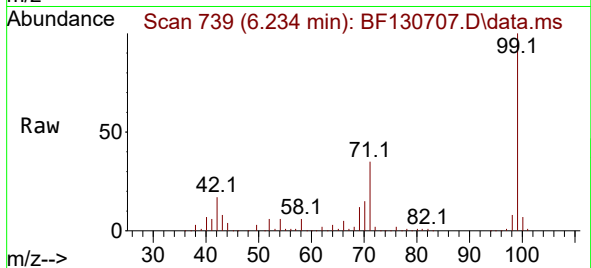




#7
Phenol-d6
Concen: 83.910 ng
RT: 6.234 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

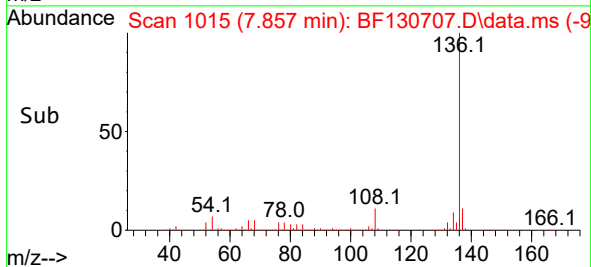
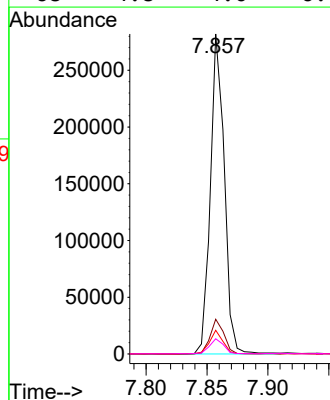
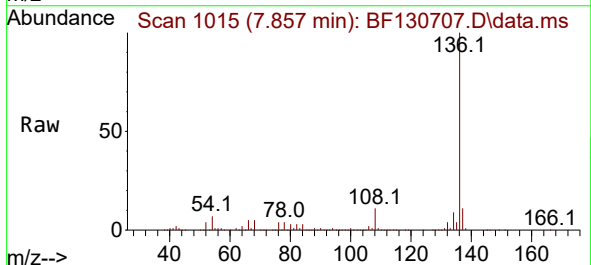
Instrument :
BNA_F
ClientSampleId :
TR-4-101422

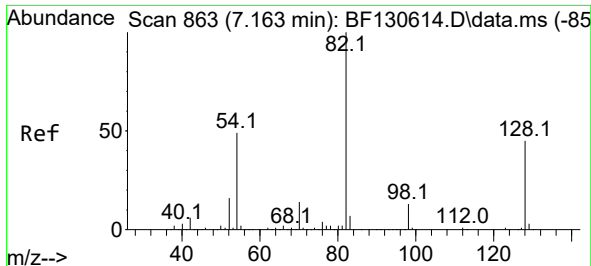
Tgt Ion: 99 Resp: 387277
Ion Ratio Lower Upper
99 100
42 16.7 14.0 21.0
71 34.6 28.8 43.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion: 136 Resp: 223963
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.4 5.5 8.3
68 4.8 4.0 6.0

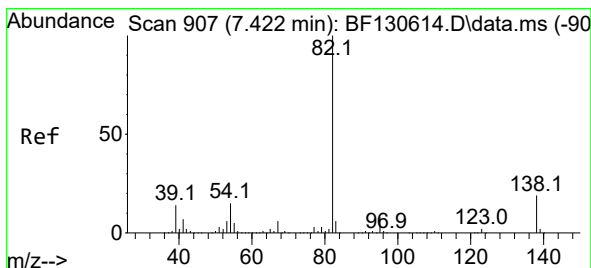
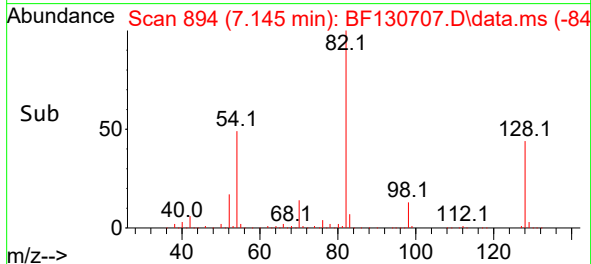
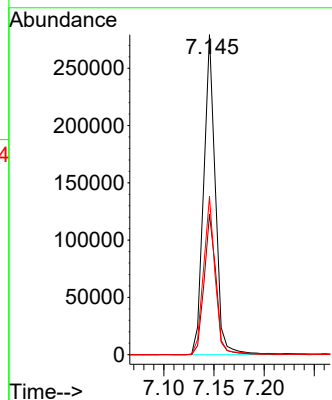
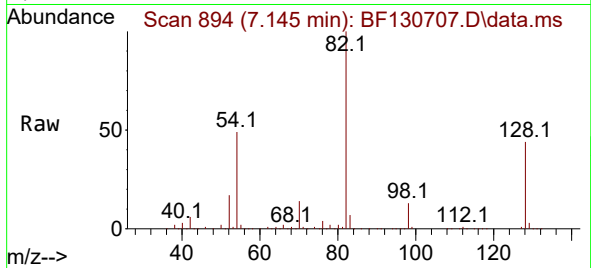




#23
Nitrobenzene-d5
Concen: 55.612 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

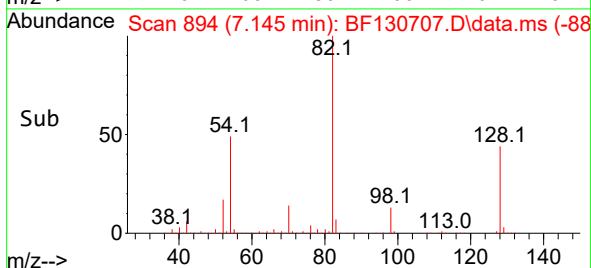
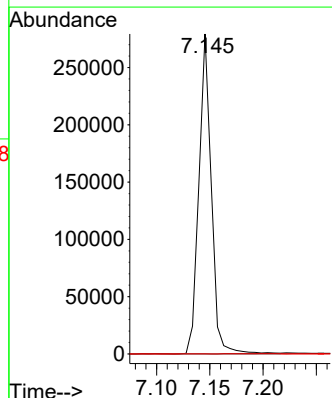
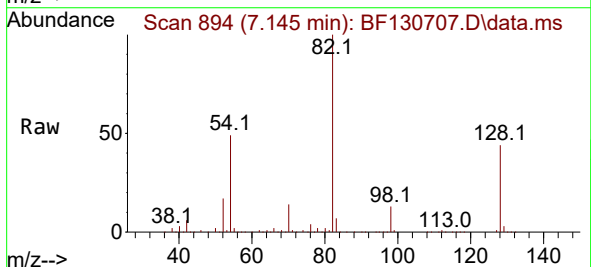
Instrument :
BNA_F
ClientSampleId :
TR-4-101422

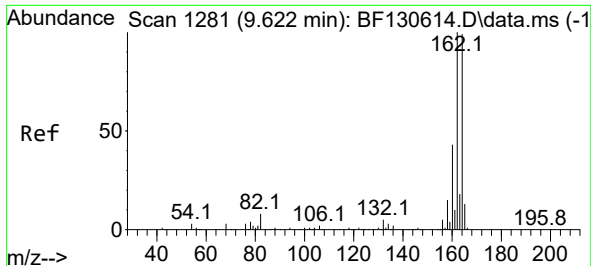
Tgt Ion: 82 Resp: 228152
Ion Ratio Lower Upper
82 100
128 43.9 35.8 53.6
54 49.5 39.3 58.9



#25
Isophorone
Concen: 33.413 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion: 82 Resp: 228150
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 14.9 22.3#

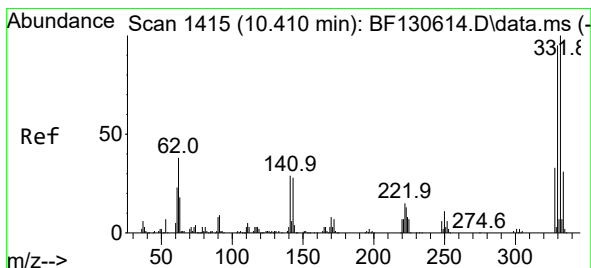
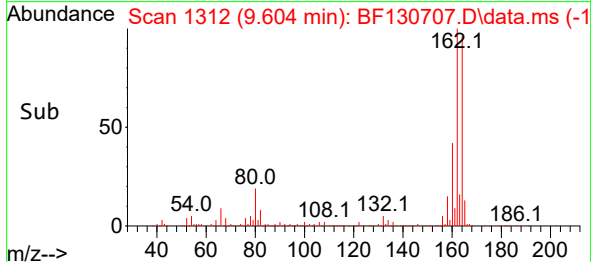
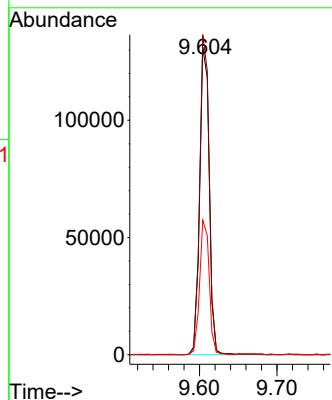
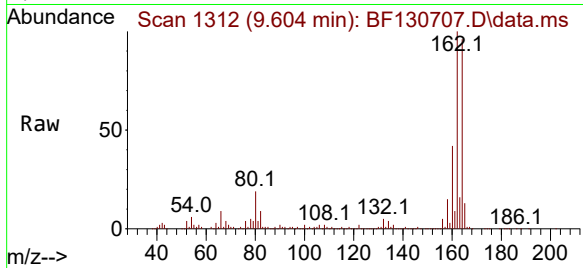




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

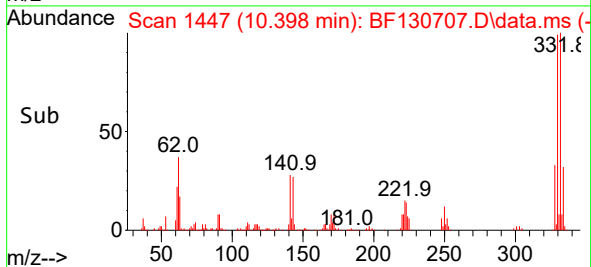
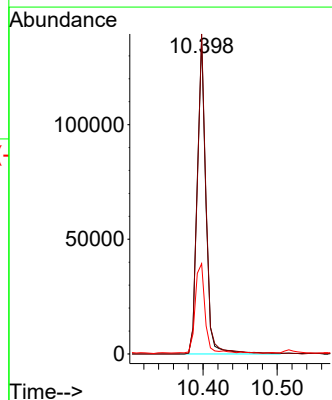
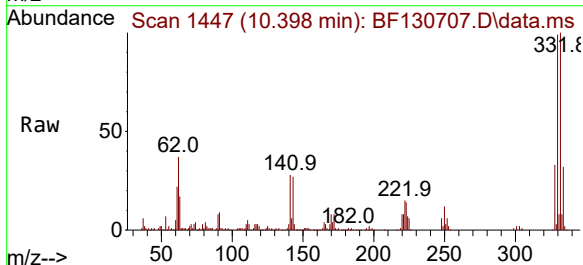
Instrument :
BNA_F
ClientSampleId :
TR-4-101422

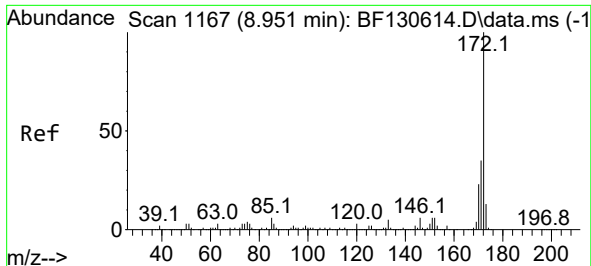
Tgt Ion:164 Resp: 112876
Ion Ratio Lower Upper
164 100
162 104.0 81.0 121.4
160 43.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 101.098 ng
RT: 10.398 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion:330 Resp: 111661
Ion Ratio Lower Upper
330 100
332 102.0 84.2 126.4
141 31.6 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 55.483 ng

RT: 8.934 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

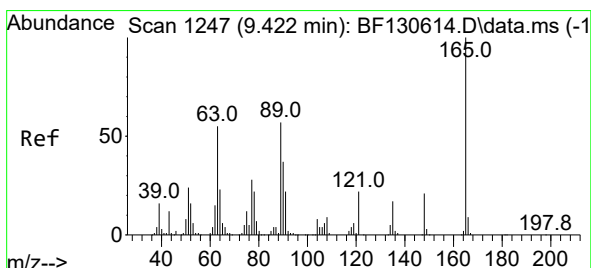
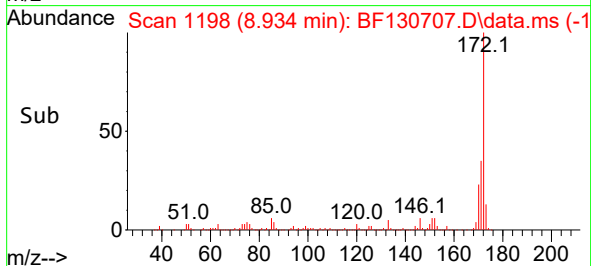
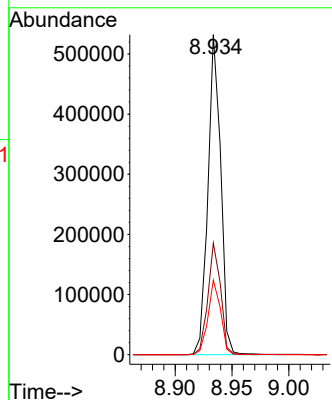
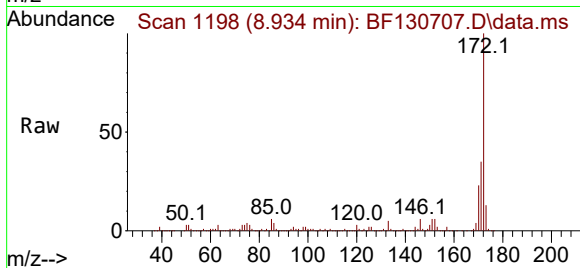
Tgt Ion:172 Resp: 413448

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.8

170 23.3 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.095 ng

RT: 9.604 min Scan# 1312

Delta R.T. 0.194 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

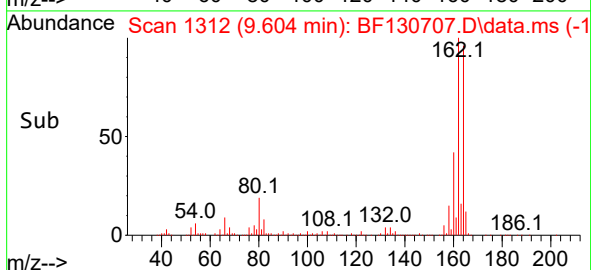
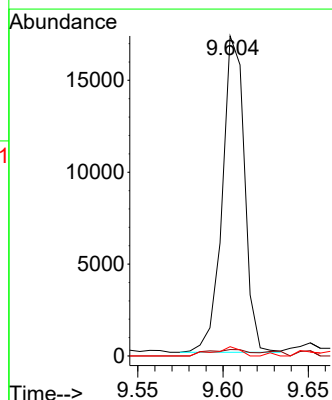
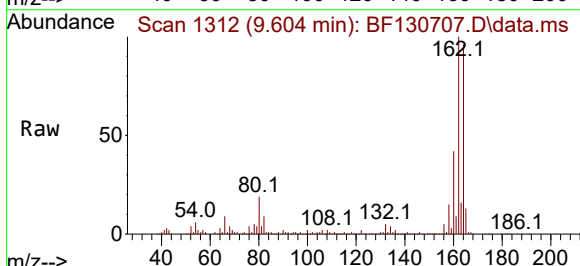
Tgt Ion:165 Resp: 15588

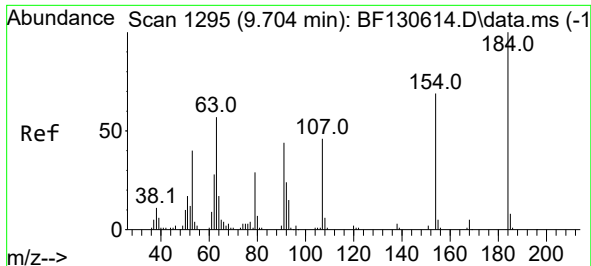
Ion Ratio Lower Upper

165 100

63 2.0 45.3 67.9#

89 2.9 45.6 68.4#

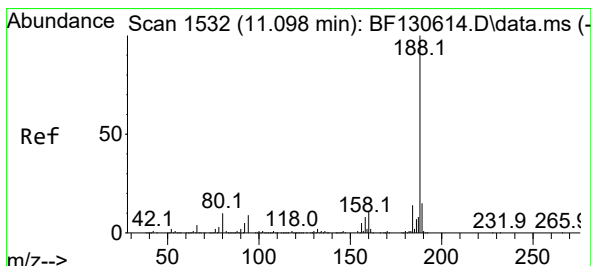
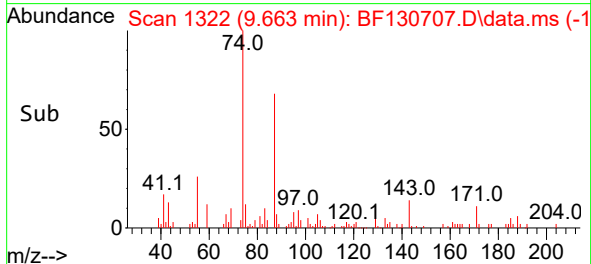
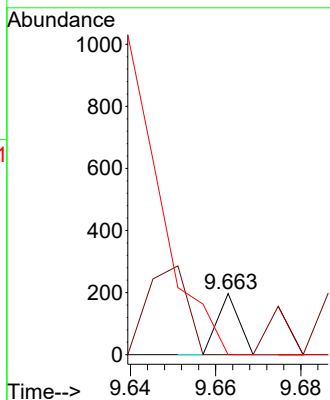
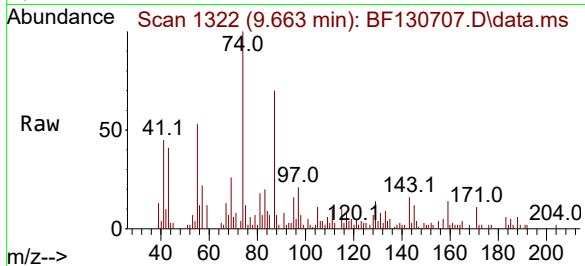




#54
2,4-Dinitrophenol
Concen: 5.049 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

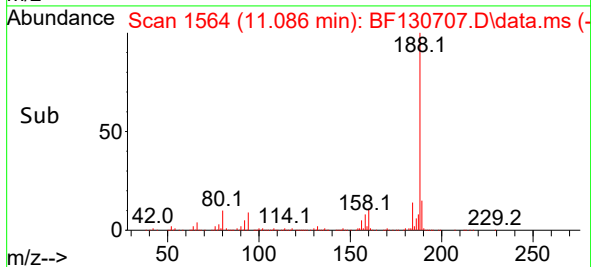
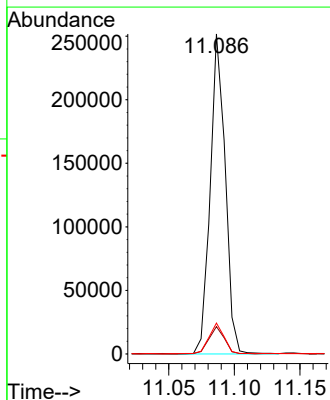
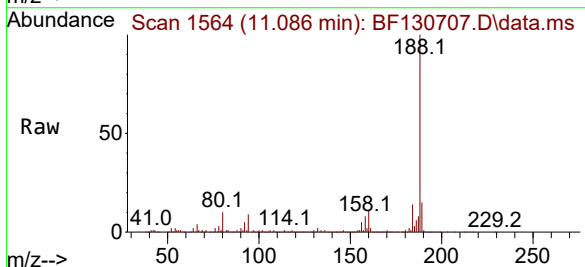
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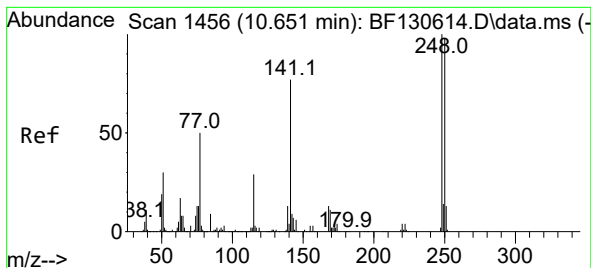
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 55.1 82.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.086 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion:188 Resp: 200653
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.6 8.0 12.0

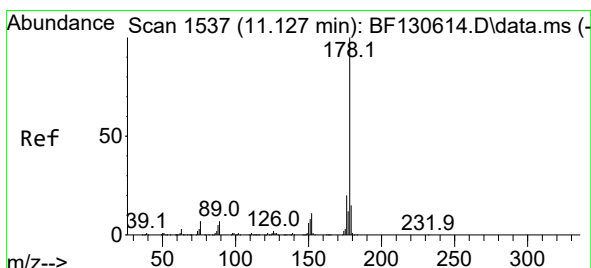
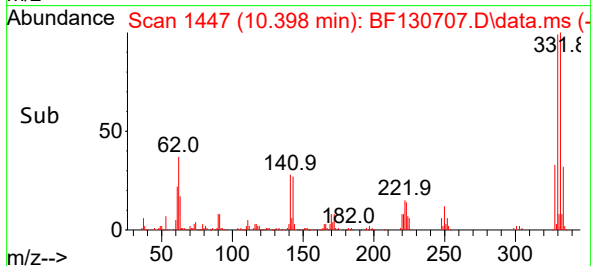
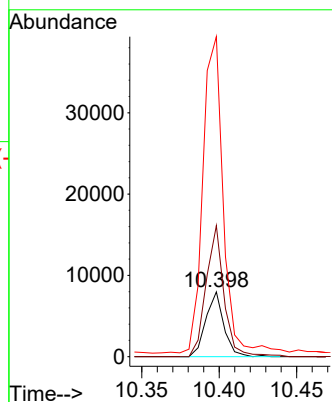
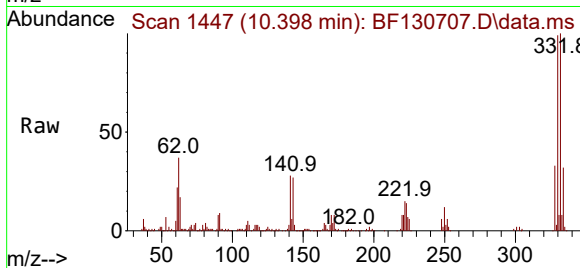




#67
4-Bromophenyl-phenylether
Concen: 2.844 ng
RT: 10.398 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

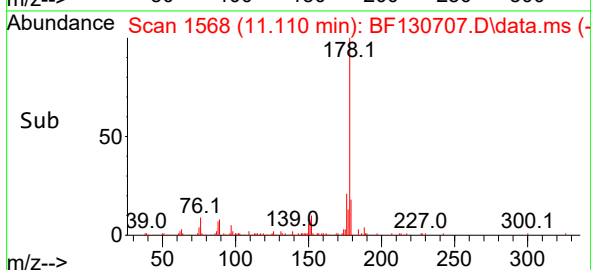
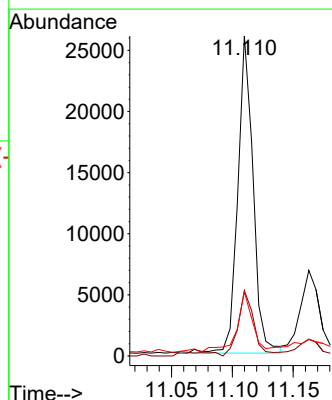
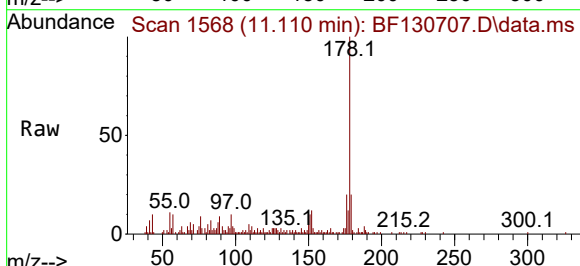
Instrument :
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TR-4-101422

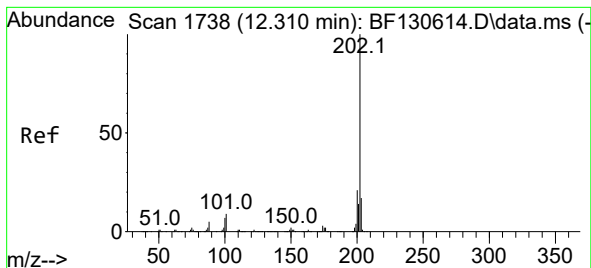
Tgt Ion:248 Resp: 6458
Ion Ratio Lower Upper
248 100
250 202.5 78.7 118.1#
141 494.4 61.6 92.4#



#71
Phenanthrene
Concen: 2.044 ng
RT: 11.110 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion:178 Resp: 22723
Ion Ratio Lower Upper
178 100
176 20.5 15.7 23.5
179 20.1 12.2 18.4#





#75

Fluoranthene

Concen: 4.735 ng

RT: 12.545 min Scan# 1

Delta R.T. 0.247 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

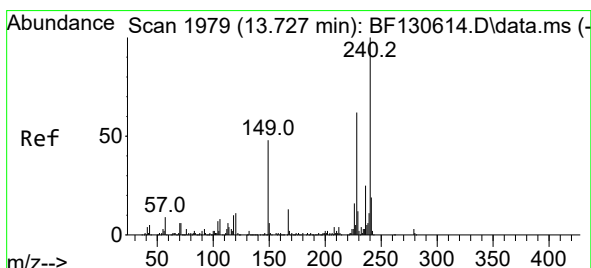
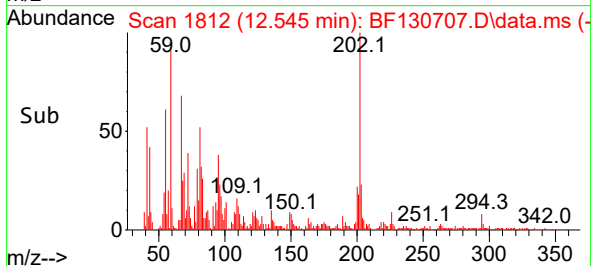
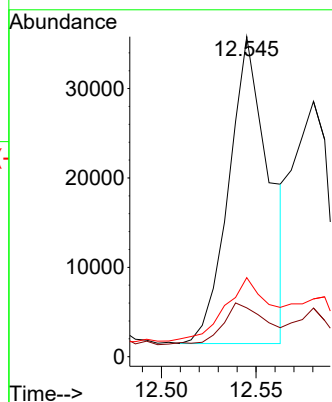
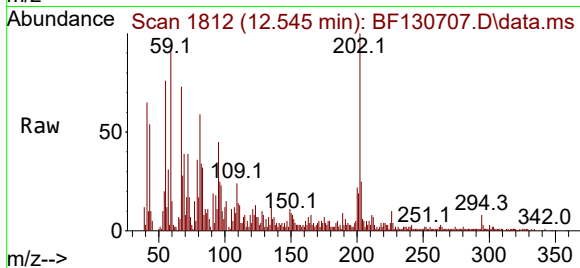
Tgt Ion:202 Resp: 50596

Ion Ratio Lower Upper

202 100

101 15.3 0.0 29.1

203 24.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.733 min Scan# 2014

Delta R.T. 0.012 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

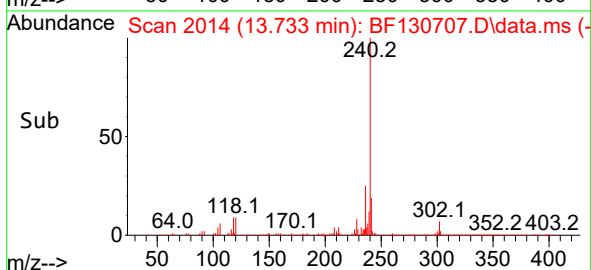
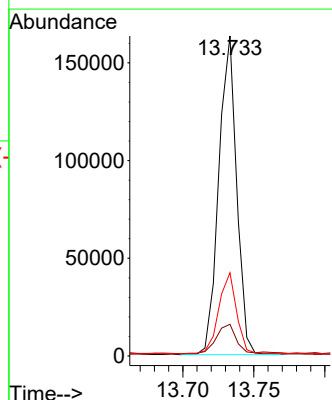
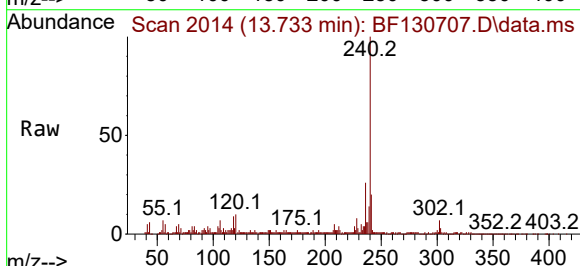
Tgt Ion:240 Resp: 142785

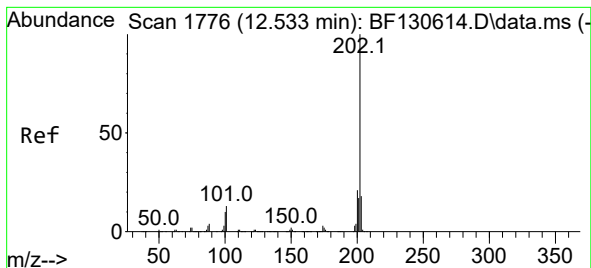
Ion Ratio Lower Upper

240 100

120 9.9 8.6 13.0

236 26.0 20.2 30.4





#78

Pyrene

Concen: 4.115 ng

RT: 12.545 min Scan# 1812

Delta R.T. 0.024 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

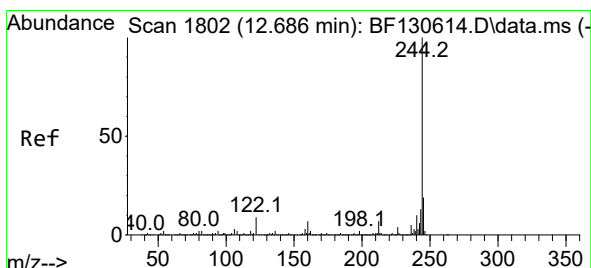
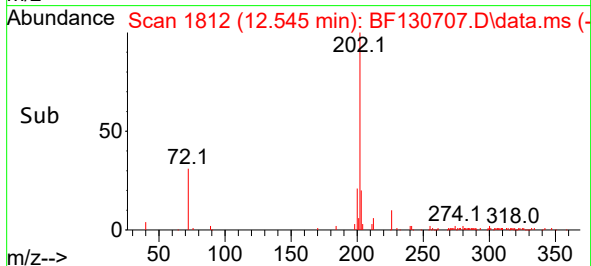
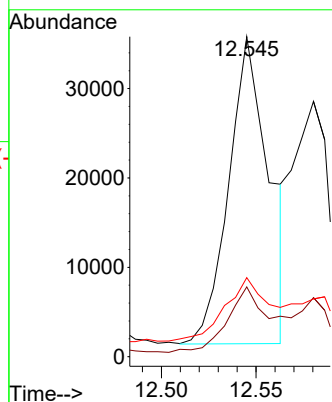
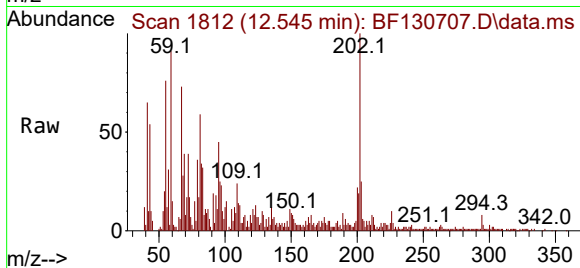
Tgt Ion:202 Resp: 50684

Ion Ratio Lower Upper

202 100

200 21.8 16.7 25.1

203 24.7 14.0 21.0#



#79

Terphenyl-d14

Concen: 60.147 ng

RT: 12.698 min Scan# 1838

Delta R.T. 0.024 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

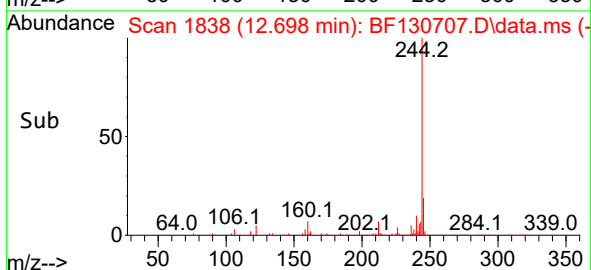
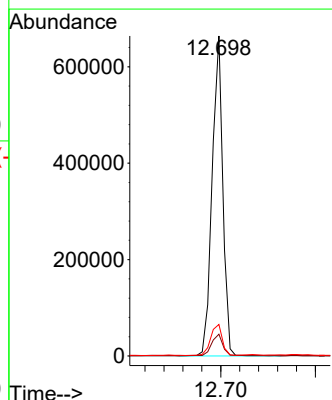
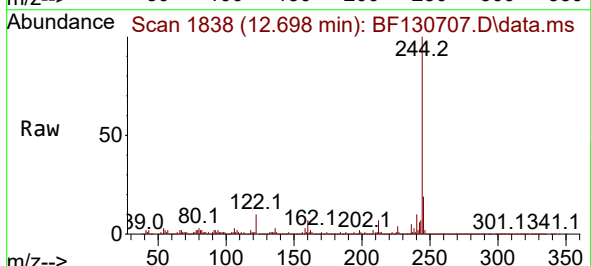
Tgt Ion:244 Resp: 517439

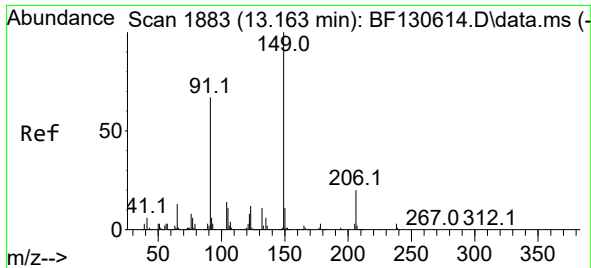
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.9 7.5 11.3

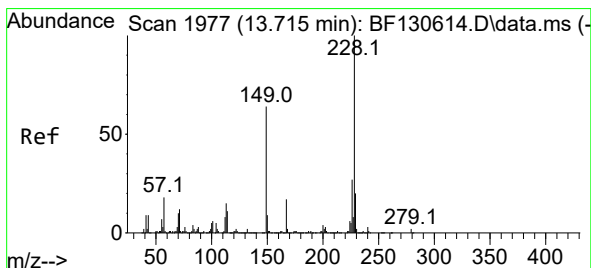
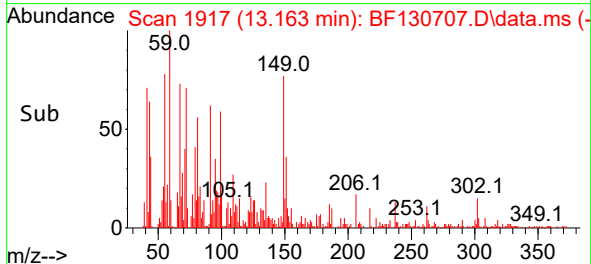
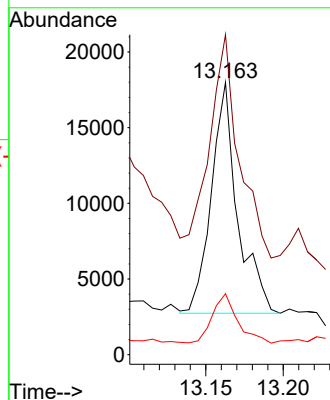
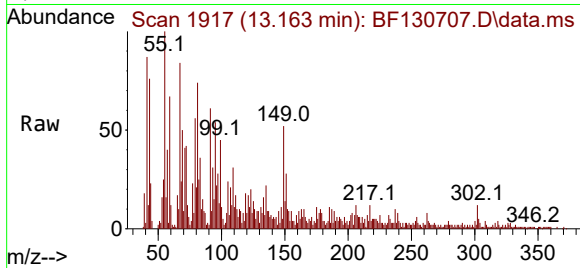




#80
Butylbenzylphthalate
Concen: 3.791 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.012 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

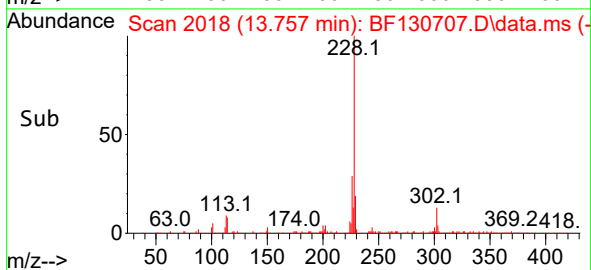
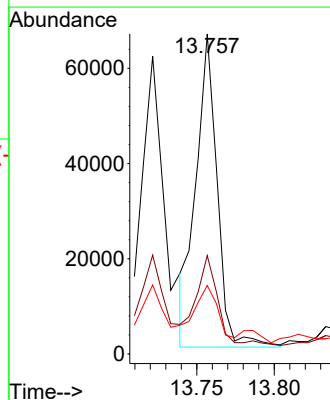
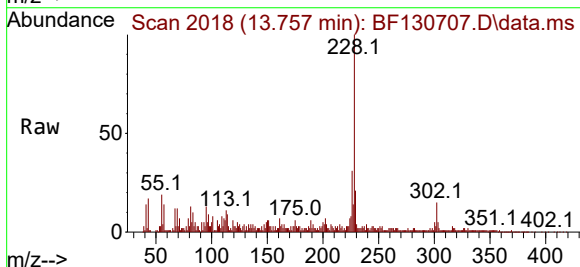
Instrument :
BNA_F
ClientSampleId :
TR-4-101422

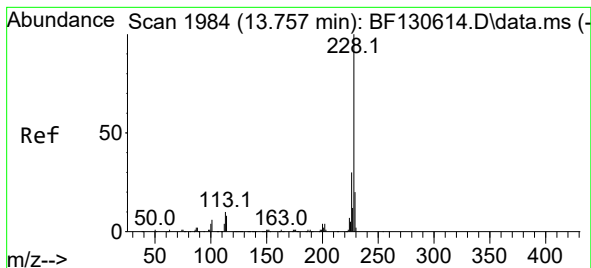
Tgt Ion:149 Resp: 17958
Ion Ratio Lower Upper
149 100
91 117.5 53.8 80.8#
206 22.4 15.8 23.6



#81
Benzo(a)anthracene
Concen: 6.549 ng
RT: 13.757 min Scan# 2018
Delta R.T. 0.047 min
Lab File: BF130707.D
Acq: 18 Oct 2022 19:56

Tgt Ion:228 Resp: 63008
Ion Ratio Lower Upper
228 100
226 30.8 21.4 32.2
229 21.4 15.8 23.8





#83

Chrysene

Concen: 6.907 ng

RT: 13.757 min Scan# 2011

Delta R.T. 0.012 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

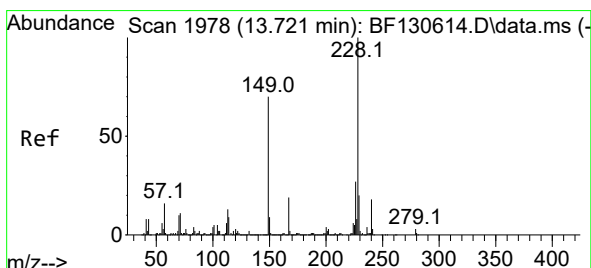
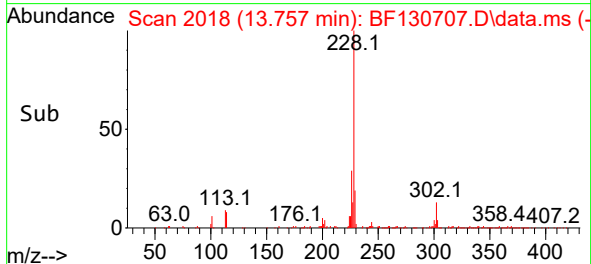
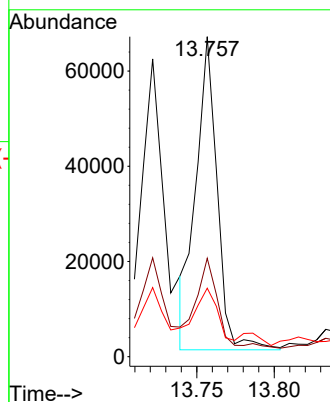
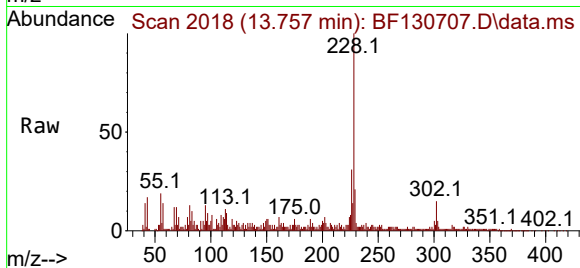
Instrument :

BNA_F

ClientSampleId :

TR-4-101422

Tgt Ion:	228	Resp:	63008
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.9	35.9
229	21.4	15.9	23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.514 ng

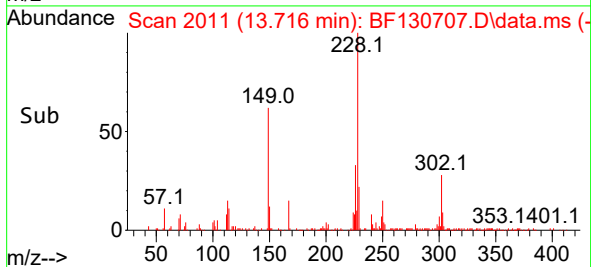
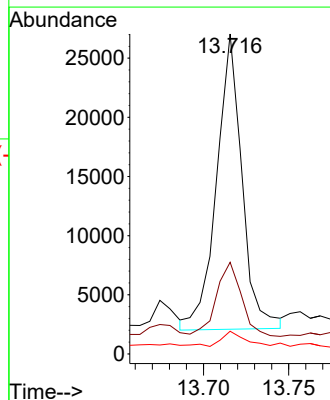
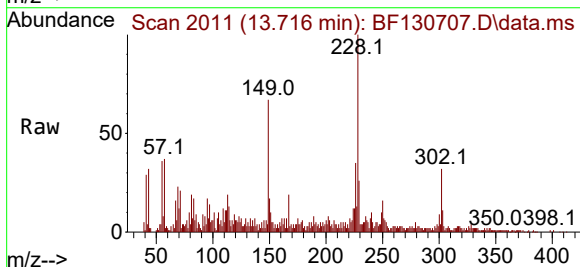
RT: 13.716 min Scan# 2011

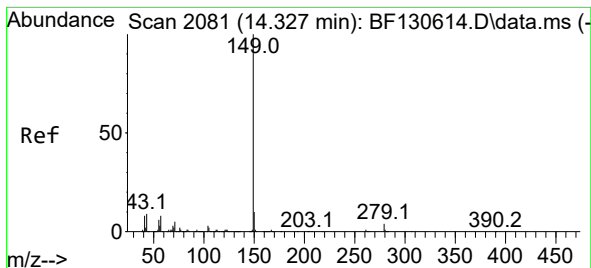
Delta R.T. 0.006 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Tgt Ion:	149	Resp:	25920
Ion Ratio	Lower	Upper	
149	100		
167	28.7	21.9	32.9
279	7.1	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 4.759 ng

RT: 14.321 min Scan# 2114

Delta R.T. 0.006 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

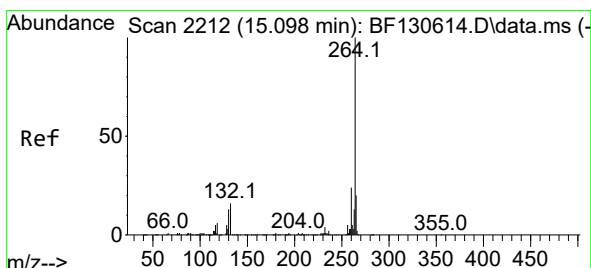
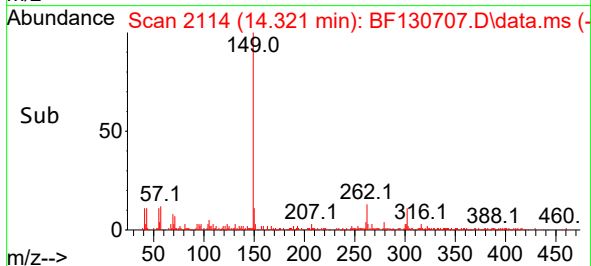
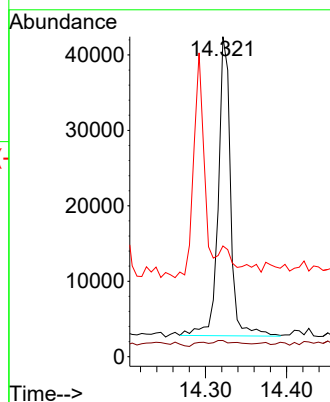
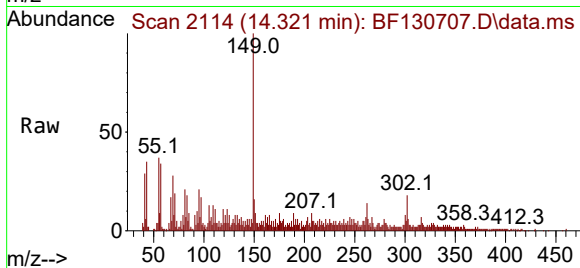
Tgt Ion:149 Resp: 41854

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

43 0.0 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.110 min Scan# 2248

Delta R.T. 0.024 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

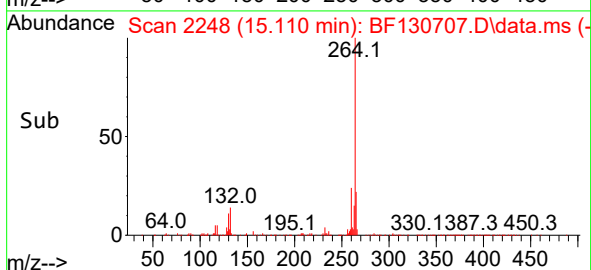
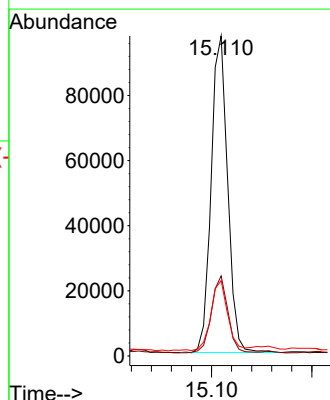
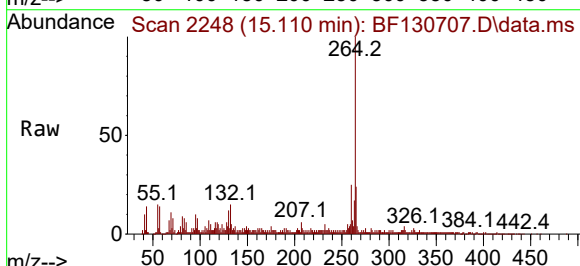
Tgt Ion:264 Resp: 111275

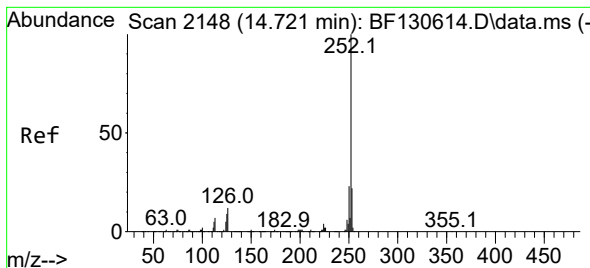
Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 23.5 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 8.063 ng

RT: 14.727 min Scan# 2148

Delta R.T. 0.012 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

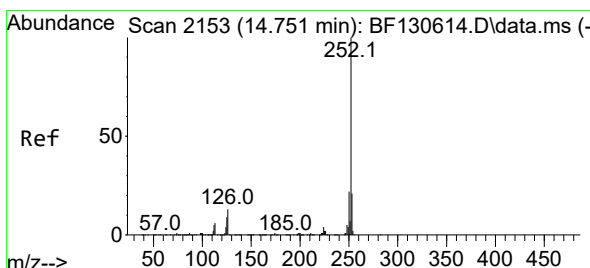
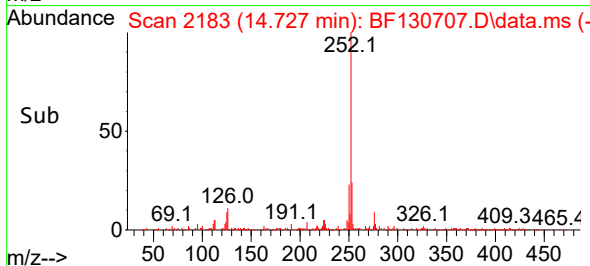
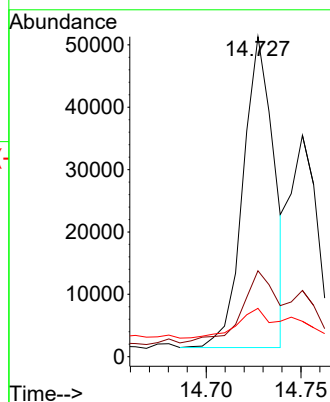
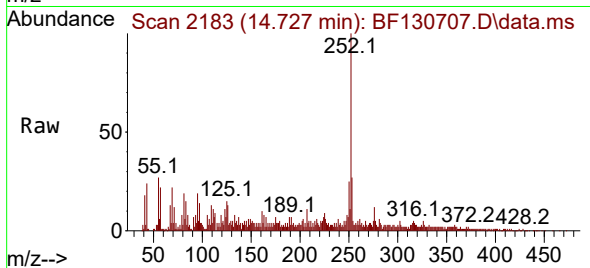
Tgt Ion:252 Resp: 56814

Ion Ratio Lower Upper

252 100

253 26.8 17.4 26.2#

125 15.1 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 7.919 ng

RT: 14.727 min Scan# 2183

Delta R.T. -0.012 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

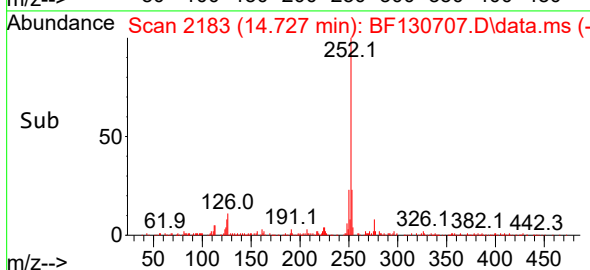
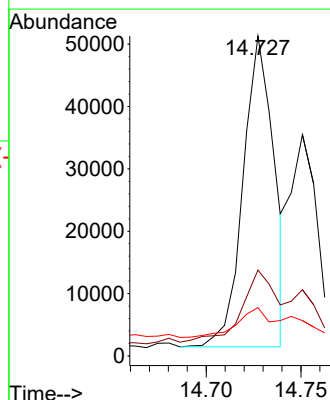
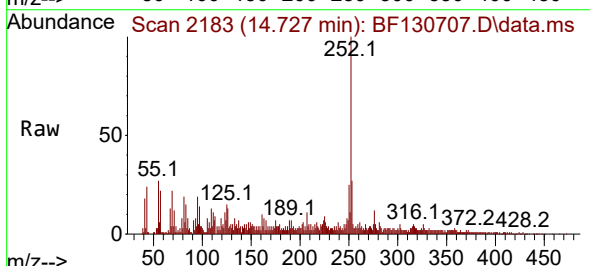
Tgt Ion:252 Resp: 56814

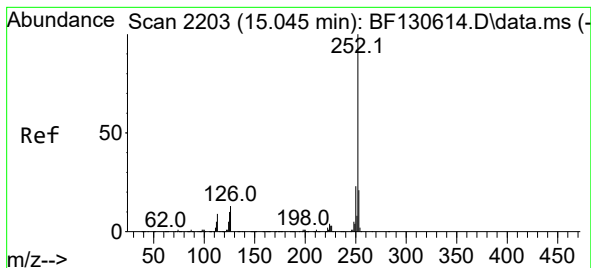
Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.4#

125 15.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.624 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Instrument :

BNA_F

ClientSampleId :

TR-4-101422

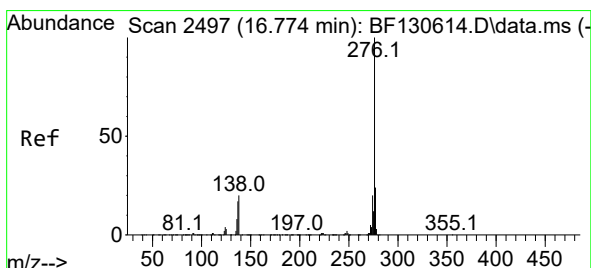
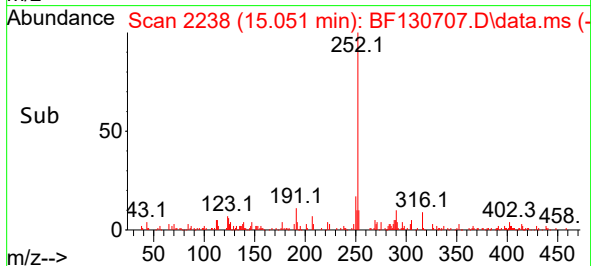
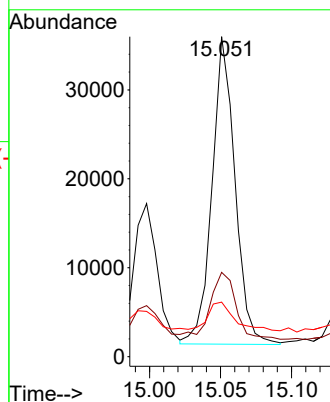
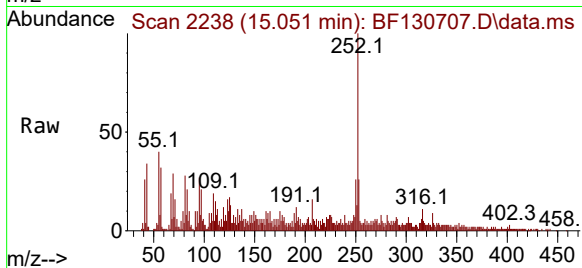
Tgt Ion:252 Resp: 38843

Ion Ratio Lower Upper

252 100

253 26.4 17.0 25.6#

125 17.0 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.510 ng

RT: 16.798 min Scan# 2535

Delta R.T. 0.029 min

Lab File: BF130707.D

Acq: 18 Oct 2022 19:56

Tgt Ion:276 Resp: 15957

Ion Ratio Lower Upper

276 100

277 36.1 18.9 28.3#

138 26.6 15.9 23.9#

