

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
 Data File : BF130701.D
 Acq On : 18 Oct 2022 16:44
 Operator : CG\JU
 Sample : N5166-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5388-1

Quant Time: Oct 18 18:13:31 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	87475	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	333583	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	164639	20.000	ng	0.00
64) Phenanthrene-d10	11.080	188	233313	20.000	ng	0.00
76) Chrysene-d12	13.715	240	141385	20.000	ng	0.00
86) Perylene-d12	15.092	264	186862	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	291705	60.110	ng	0.01
7) Phenol-d6	6.228	99	208015	34.093	ng	0.00
23) Nitrobenzene-d5	7.145	82	559260	91.523	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	206756	128.341	ng	0.00
45) 2-Fluorobiphenyl	8.933	172	1026922	94.481	ng	0.00
79) Terphenyl-d14	12.668	244	546966	64.209	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.145	70	73930	18.781	ng	# 76
25) Isophorone	7.145	82	559253	54.990	ng	# 64
51) 2,6-Dinitrotoluene	9.604	165	20857	8.343	ng	# 24
67) 4-Bromophenyl-phenylether	10.392	248	11906	4.510	ng	# 1
73) Carbazole	11.322	167	26533	2.355	ng	97
74) Di-n-butylphthalate	11.657	149	638608	46.799	ng	100
75) Fluoranthene	12.292	202	44315	3.567	ng	98
77) Benzidine	12.668	184	7398	2.070	ng	# 93
78) Pyrene	12.516	202	47516	3.896	ng	98
80) Butylbenzylphthalate	13.145	149	41840	8.921	ng	98
81) Benzo(a)anthracene	13.704	228	93549	9.820	ng	99
83) Chrysene	13.739	228	100399	11.115	ng	97
84) Bis(2-ethylhexyl)phtha...	13.704	149	55907	9.832	ng	98
85) Di-n-octyl phthalate	14.315	149	71550	8.216	ng	99
88) Benzo(b)fluoranthene	14.715	252	40860	3.453	ng	98
89) Benzo(k)fluoranthene	14.739	252	42581	3.534	ng	97
90) Benzo(a)pyrene	15.045	252	21086	2.141	ng	99

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

BNA F

BNA F

ClientSampleId :

5388-1

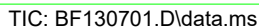
Quant Time: Oct 18 18:13:31 2022

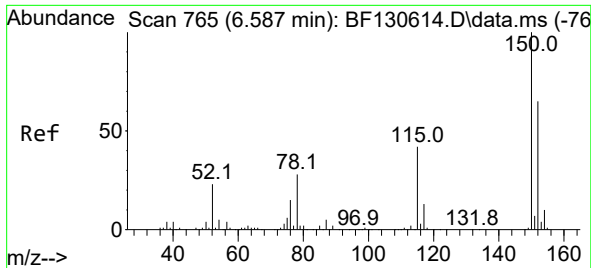
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 18 03:15:54 2022

Response via : Initial Calibration

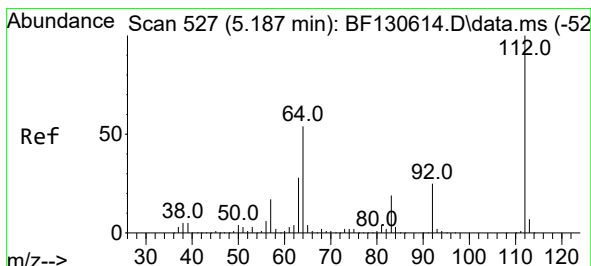
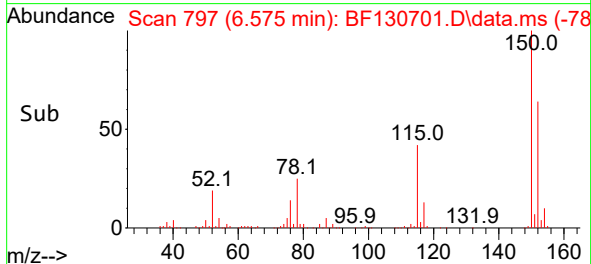
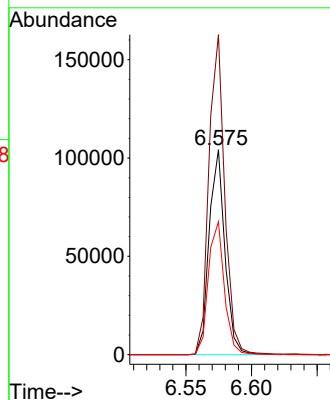
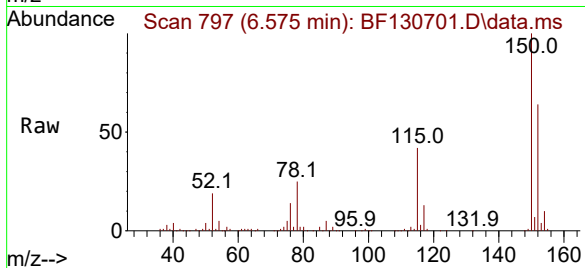




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF130701.D
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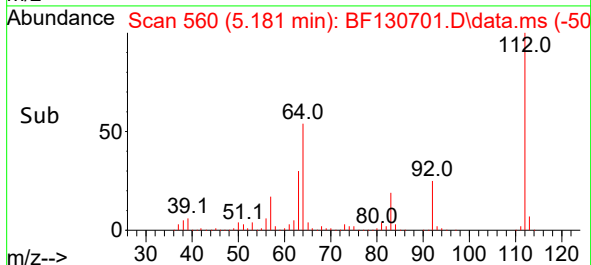
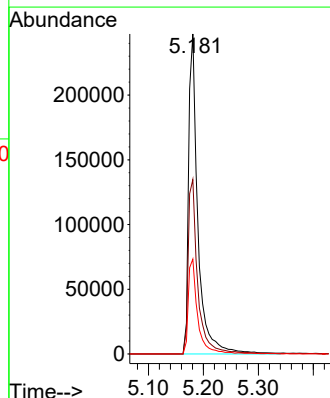
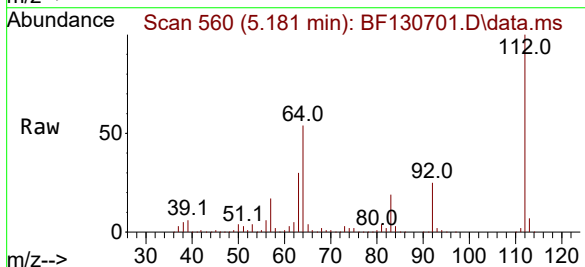
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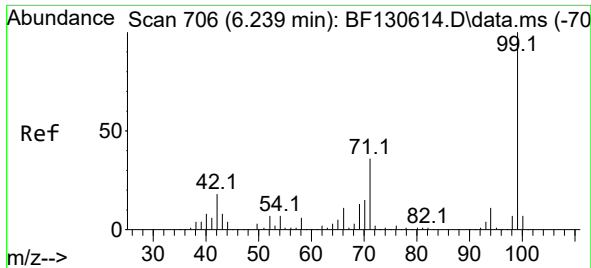
Tgt Ion:152 Resp: 87475
Ion Ratio Lower Upper
152 100
150 156.1 123.8 185.6
115 64.8 52.2 78.4



#5
2-Fluorophenol
Concen: 60.110 ng
RT: 5.181 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion:112 Resp: 291705
Ion Ratio Lower Upper
112 100
64 54.5 43.5 65.3
63 29.6 22.6 34.0

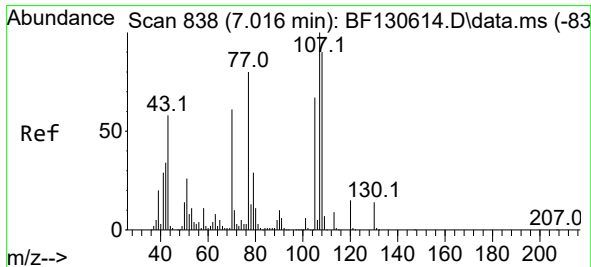
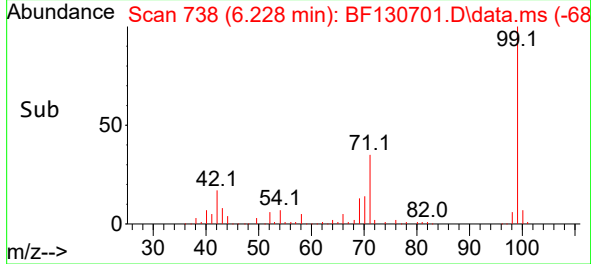
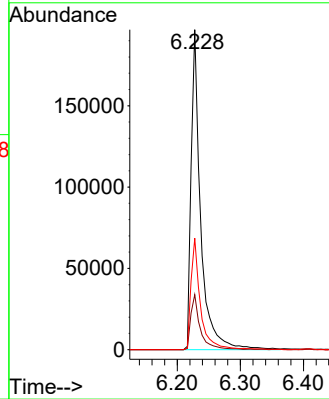
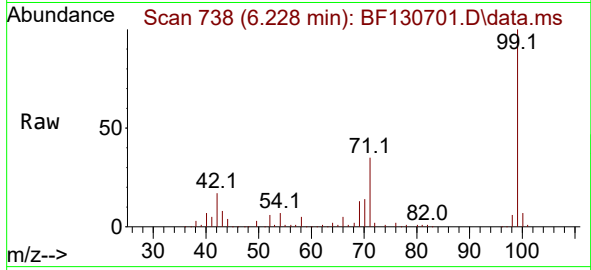




#7
Phenol-d6
Concen: 34.093 ng
RT: 6.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

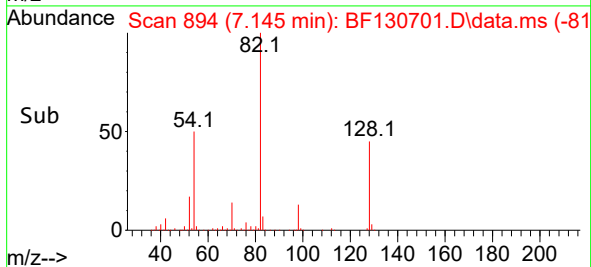
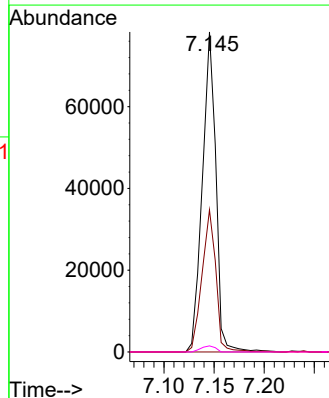
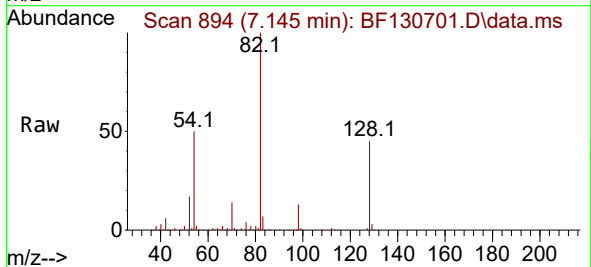
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ClientSampleId :
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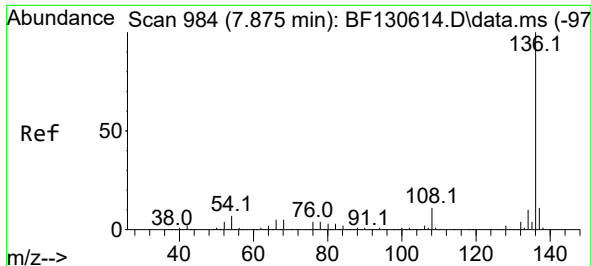
Tgt Ion: 99 Resp: 208015
Ion Ratio Lower Upper
99 100
42 17.2 14.0 21.0
71 34.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.781 ng
RT: 7.145 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion: 70 Resp: 73930
Ion Ratio Lower Upper
70 100
42 44.4 44.3 66.5
101 0.0 7.9 11.9#
130 1.9 18.1 27.1#

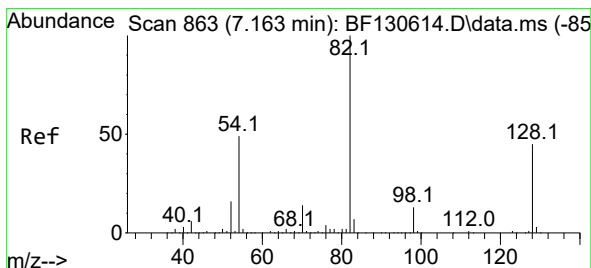
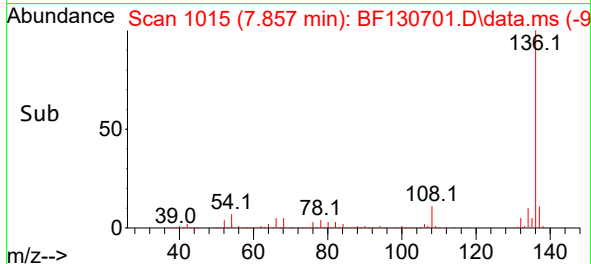
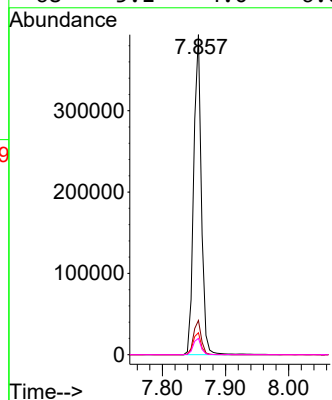
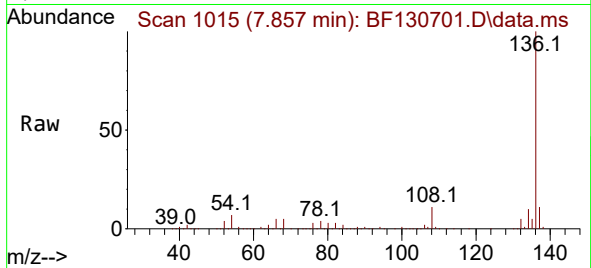




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

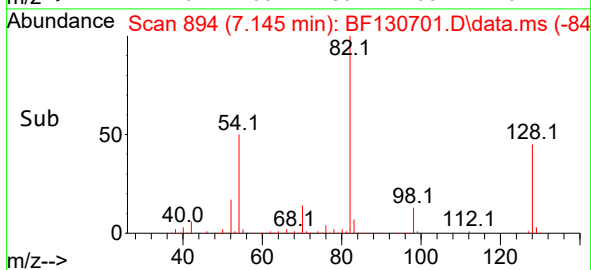
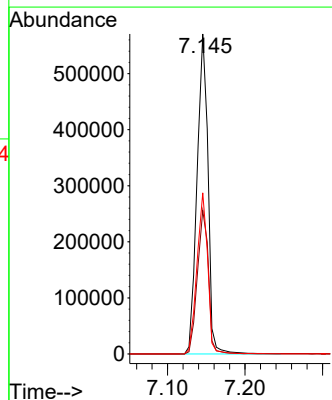
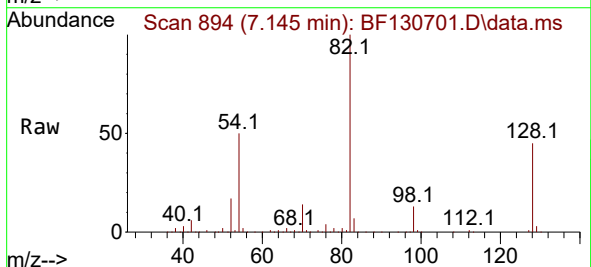
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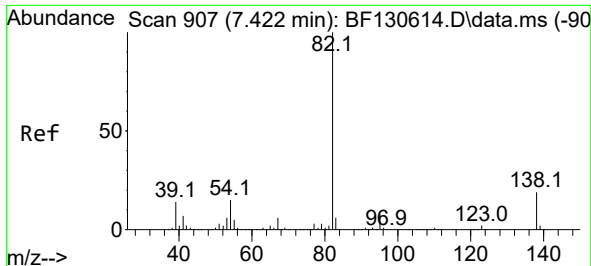
Tgt Ion:136 Resp: 333583
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.9 5.5 8.3
68 5.1 4.0 6.0



#23
Nitrobenzene-d5
Concen: 91.523 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion: 82 Resp: 559260
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.6
54 50.3 39.3 58.9

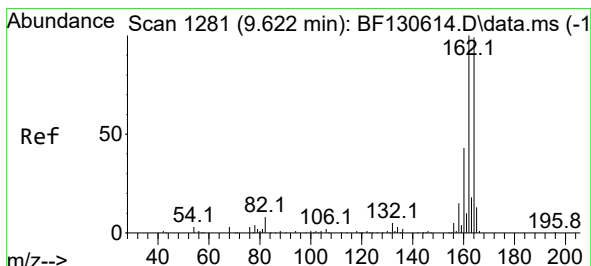
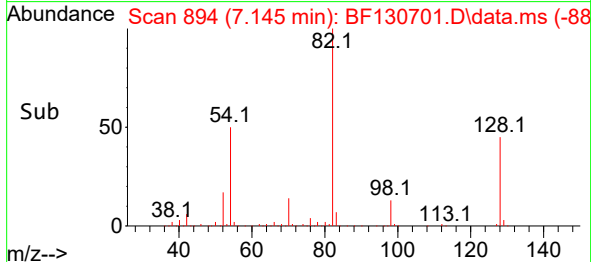
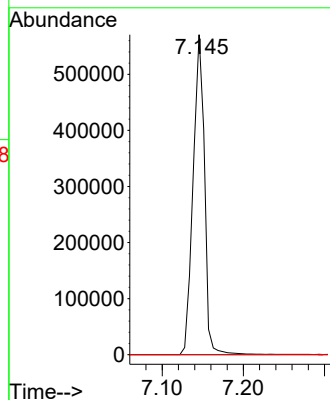
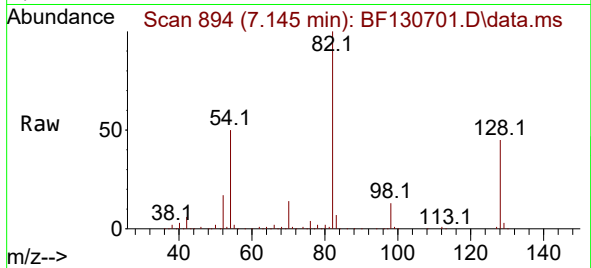




#25
Isophorone
Concen: 54.990 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

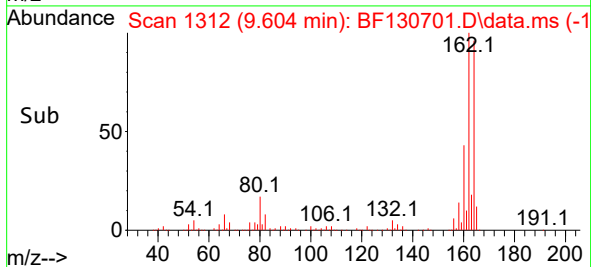
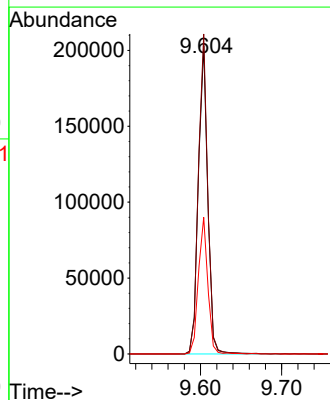
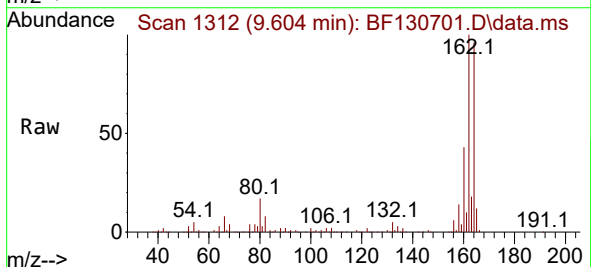
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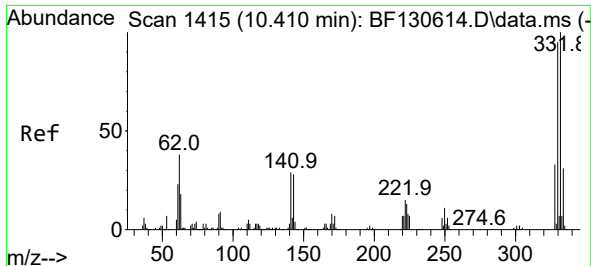
Tgt Ion: 82 Resp: 559253
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion:164 Resp: 164639
Ion Ratio Lower Upper
164 100
162 103.8 81.0 121.4
160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 128.341 ng

RT: 10.392 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

BNA_F

ClientSampleId :

5388-1

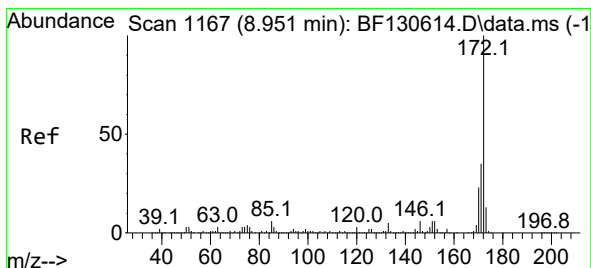
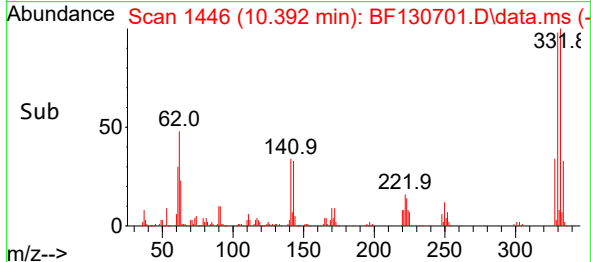
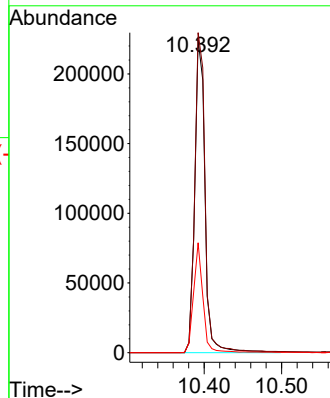
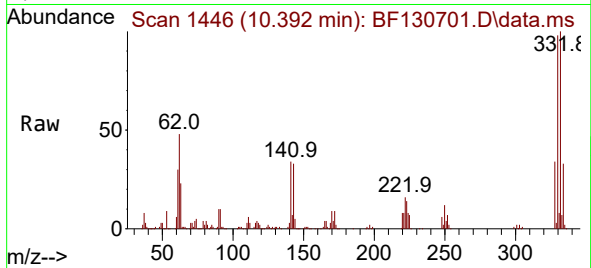
Tgt Ion:330 Resp: 206756

Ion Ratio Lower Upper

330 100

332 104.0 84.2 126.4

141 32.5 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 94.481 ng

RT: 8.933 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

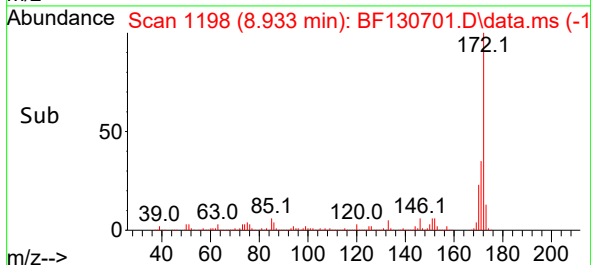
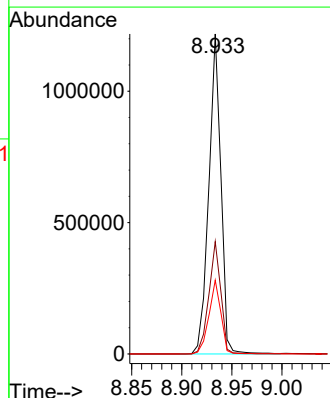
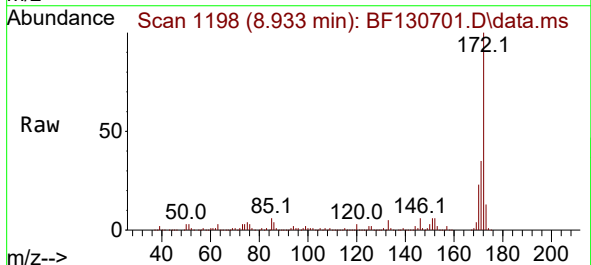
Tgt Ion:172 Resp: 1026922

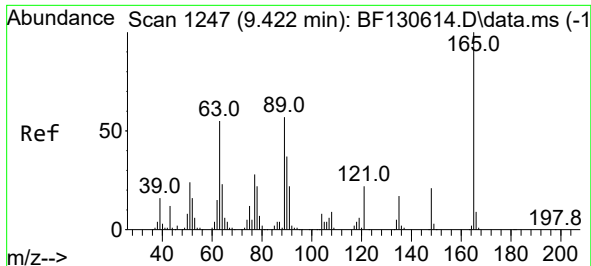
Ion Ratio Lower Upper

172 100

171 35.1 27.8 41.8

170 23.1 18.6 27.8

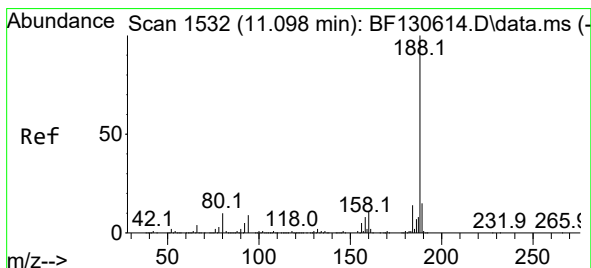
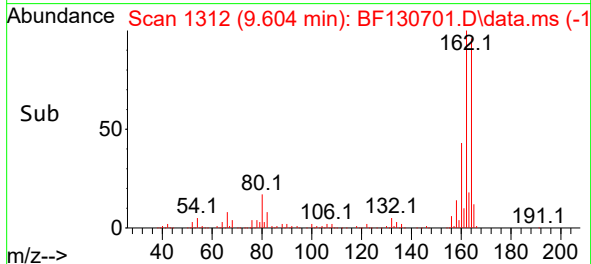
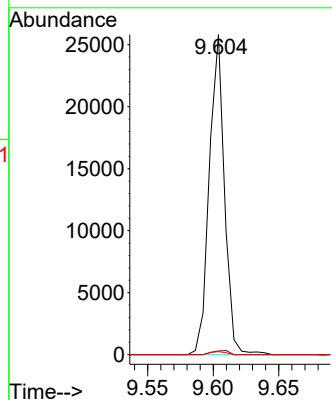
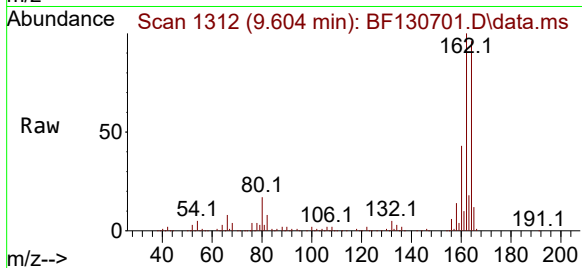




#51
2,6-Dinitrotoluene
Concen: 8.343 ng
RT: 9.604 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

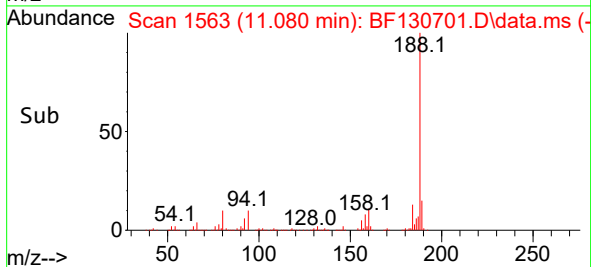
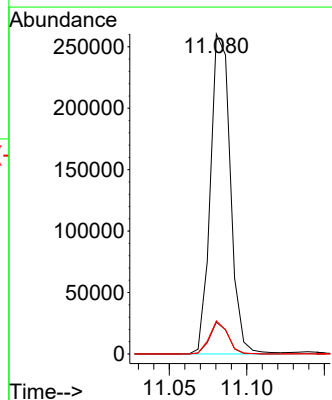
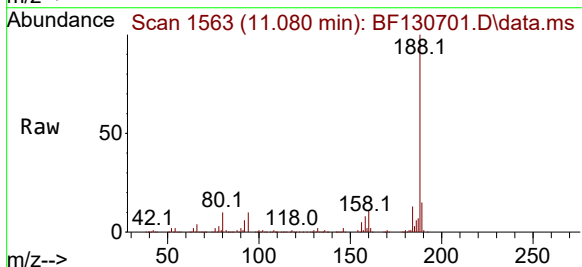
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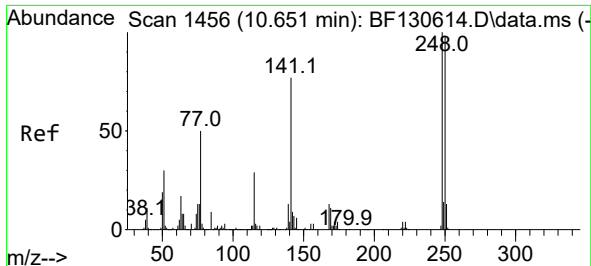
Tgt Ion:165 Resp: 20857
Ion Ratio Lower Upper
165 100
63 1.2 45.3 67.9#
89 1.0 45.6 68.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.080 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion:188 Resp: 233313
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.4 8.0 12.0

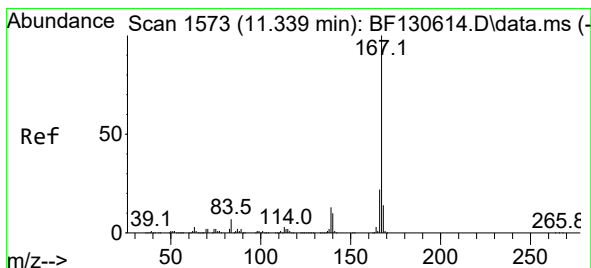
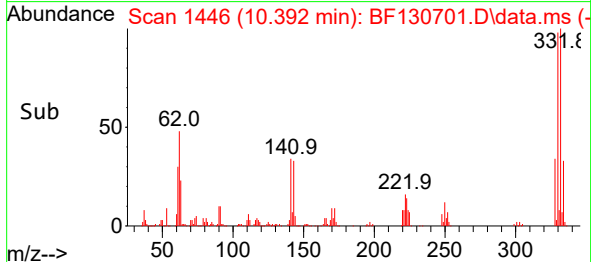
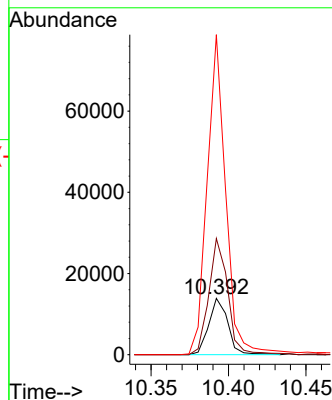
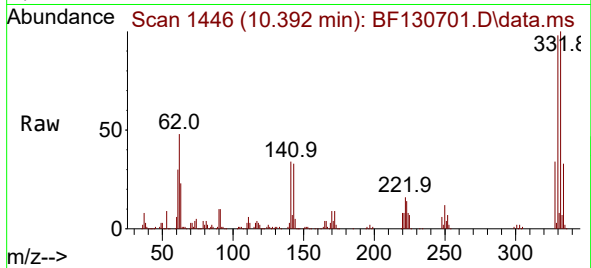




#67
4-Bromophenyl-phenylether
Concen: 4.510 ng
RT: 10.392 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

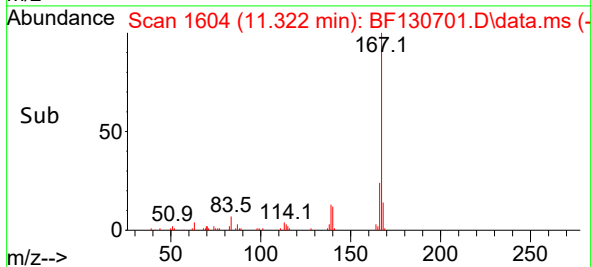
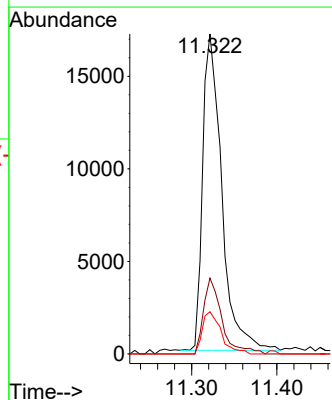
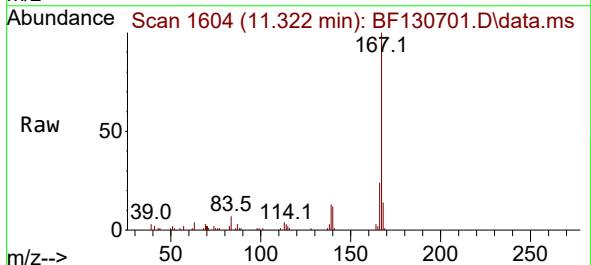
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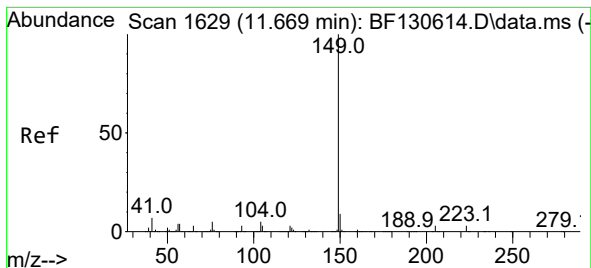
Tgt Ion:248 Resp: 11906
Ion Ratio Lower Upper
248 100
250 206.5 78.7 118.1#
141 568.7 61.6 92.4#



#73
Carbazole
Concen: 2.355 ng
RT: 11.322 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion:167 Resp: 26533
Ion Ratio Lower Upper
167 100
166 23.7 17.3 25.9
139 13.2 10.7 16.1





#74

Di-n-butylphthalate

Concen: 46.799 ng

RT: 11.657 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

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ClientSampleId :

5388-1

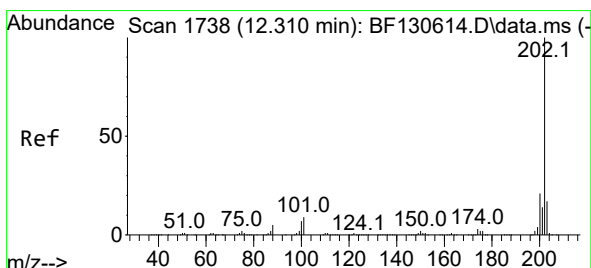
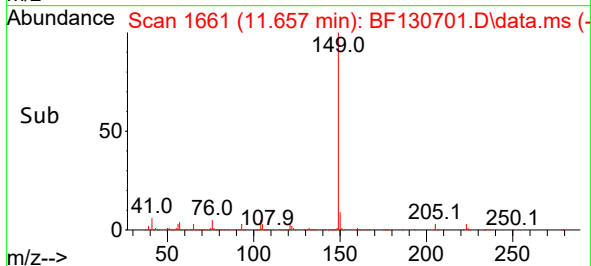
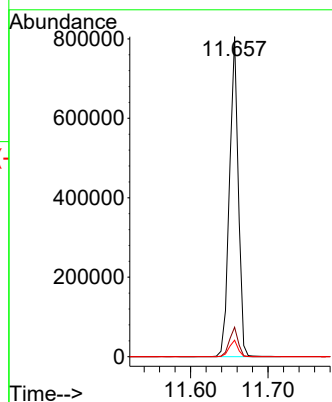
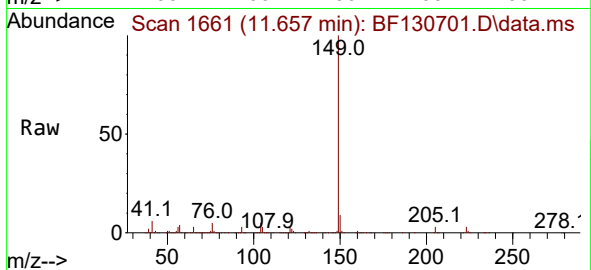
Tgt Ion:149 Resp: 638608

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 5.1 4.2 6.2



#75

Fluoranthene

Concen: 3.567 ng

RT: 12.292 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

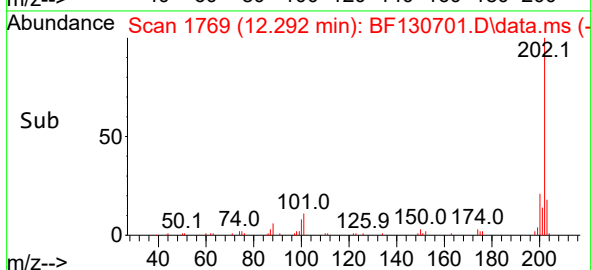
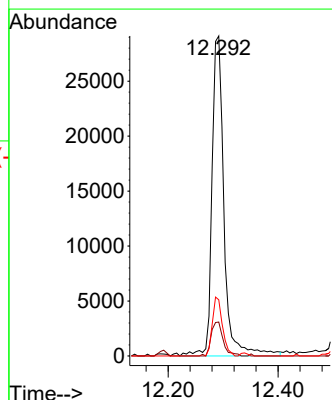
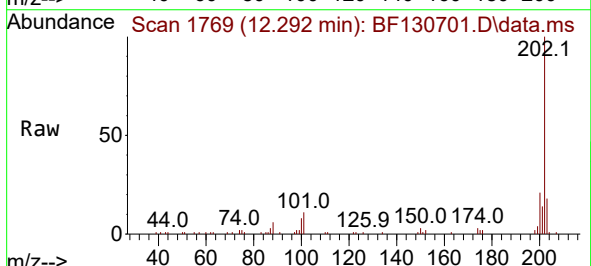
Tgt Ion:202 Resp: 44315

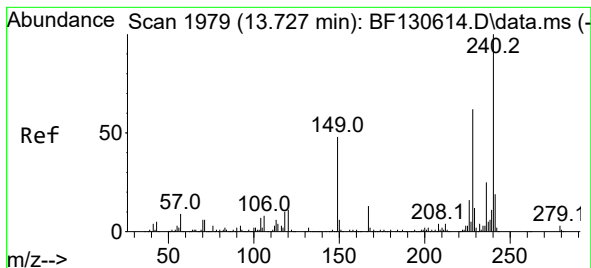
Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.1

203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.715 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

BNA_F

ClientSampleId :

5388-1

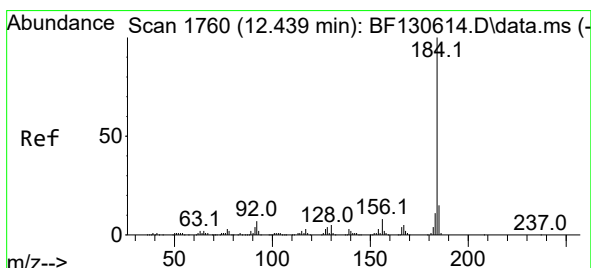
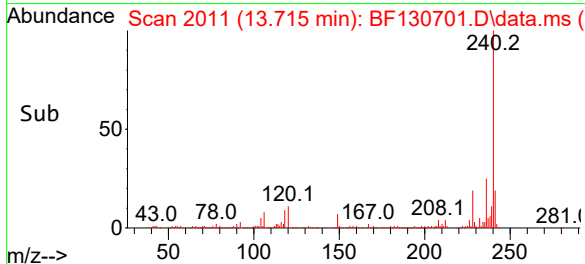
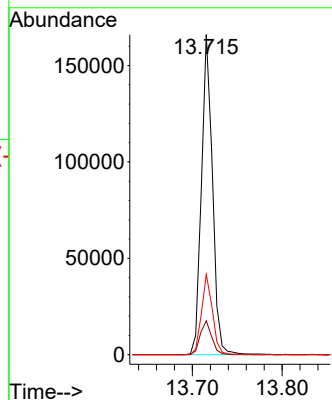
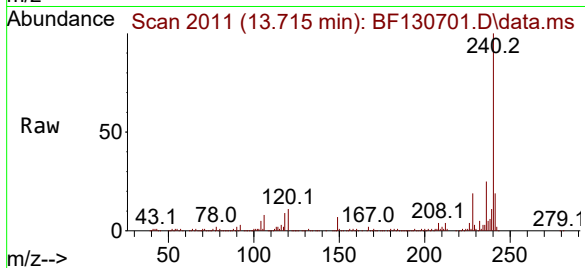
Tgt Ion:240 Resp: 141385

Ion Ratio Lower Upper

240 100

120 10.6 8.6 13.0

236 25.0 20.2 30.4



#77

Benzidine

Concen: 2.070 ng

RT: 12.668 min Scan# 1833

Delta R.T. 0.241 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

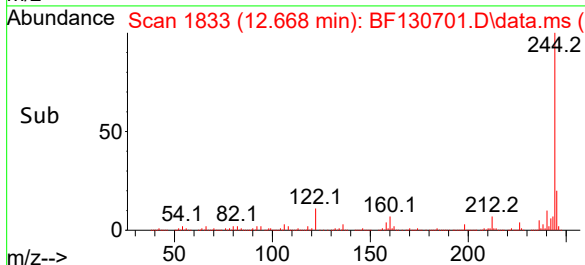
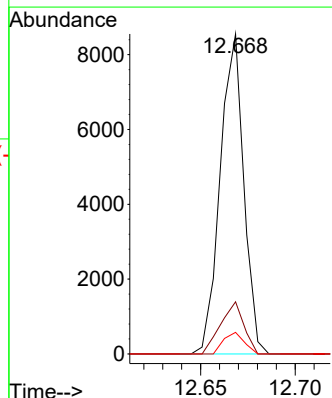
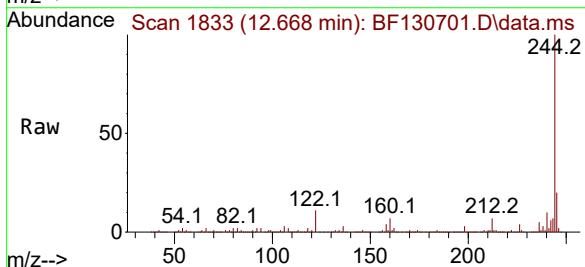
Tgt Ion:184 Resp: 7398

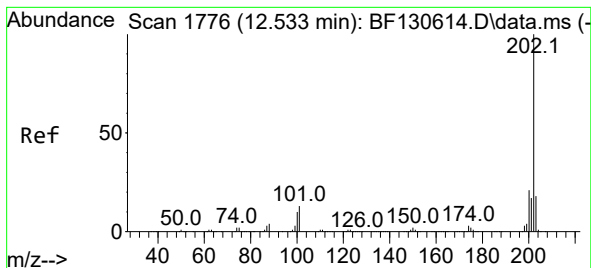
Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

183 6.8 9.0 13.4#





#78

Pyrene

Concen: 3.896 ng

RT: 12.516 min Scan# 1807

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

BNA_F

ClientSampleId :

5388-1

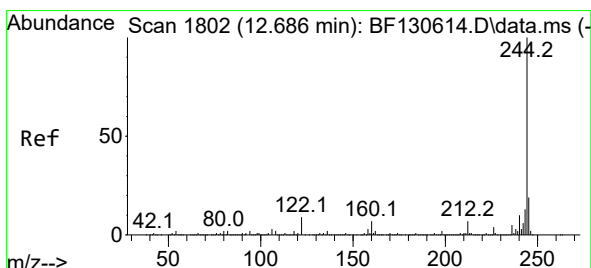
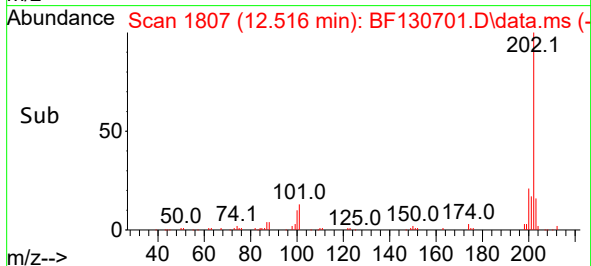
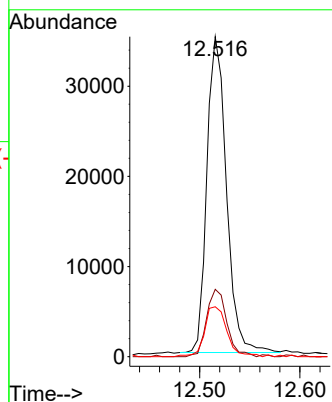
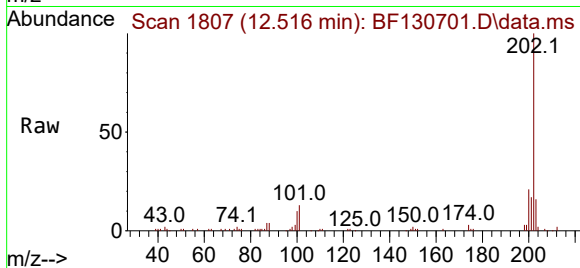
Tgt Ion:202 Resp: 47516

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 15.6 14.0 21.0



#79

Terphenyl-d14

Concen: 64.209 ng

RT: 12.668 min Scan# 1833

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

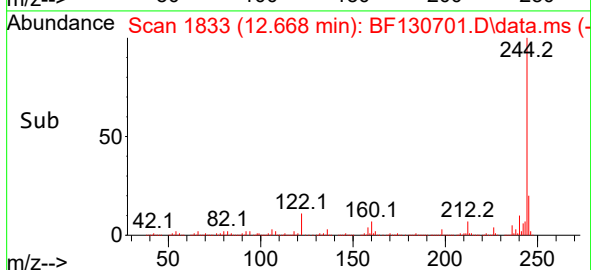
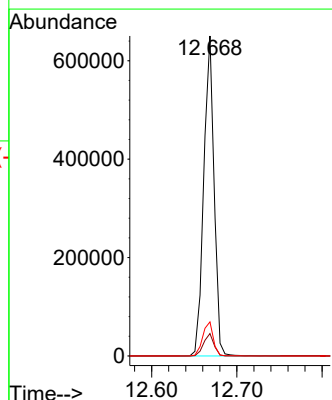
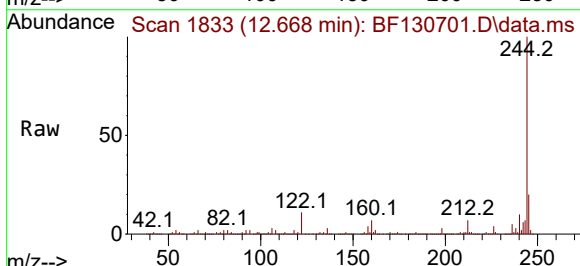
Tgt Ion:244 Resp: 546966

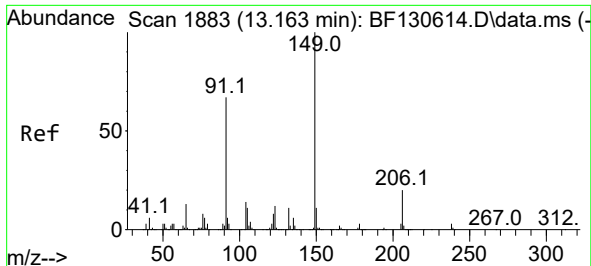
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.6 7.5 11.3

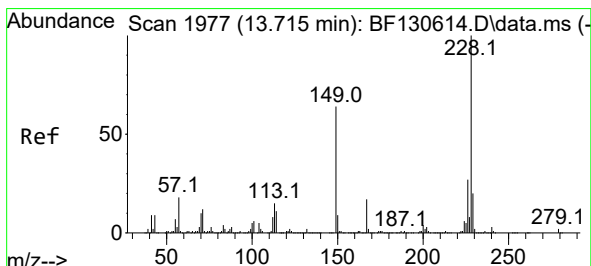
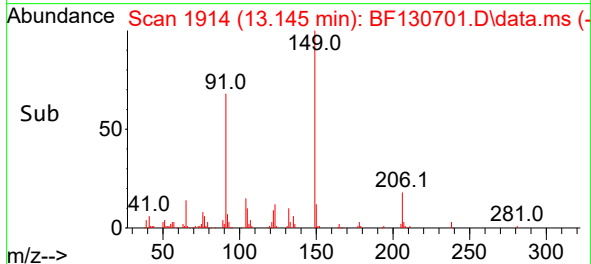
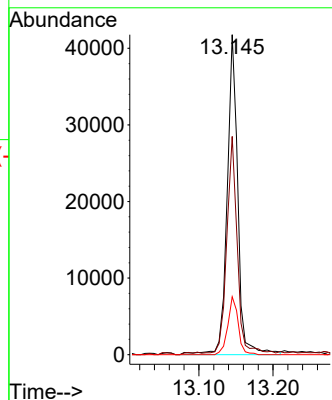
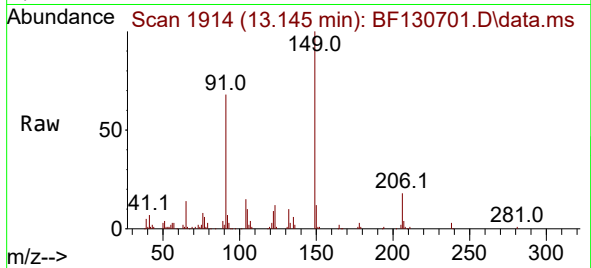




#80
Butylbenzylphthalate
Concen: 8.921 ng
RT: 13.145 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

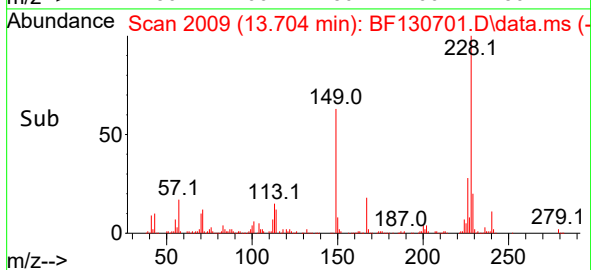
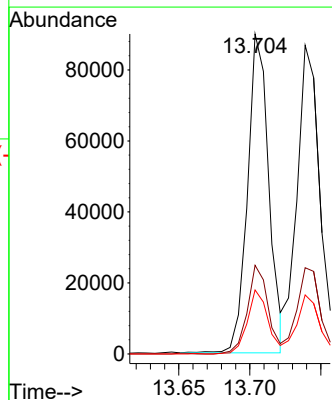
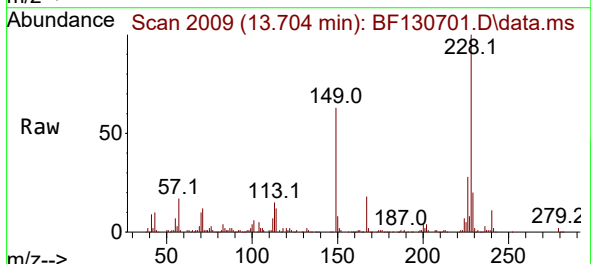
Instrument :
BNA_F
ClientSampleId :
5388-1

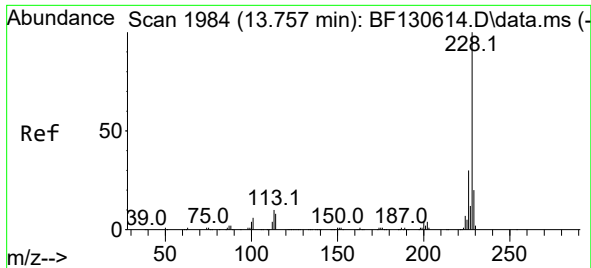
Tgt Ion:149 Resp: 41840
Ion Ratio Lower Upper
149 100
91 68.2 53.8 80.8
206 18.1 15.8 23.6



#81
Benzo(a)anthracene
Concen: 9.820 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

Tgt Ion:228 Resp: 93549
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.2
229 20.0 15.8 23.8





#83

Chrysene

Concen: 11.115 ng

RT: 13.739 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

BNA_F

ClientSampleId :

5388-1

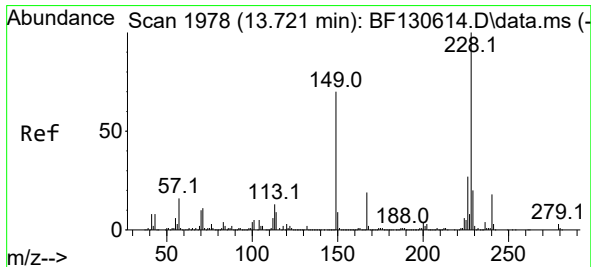
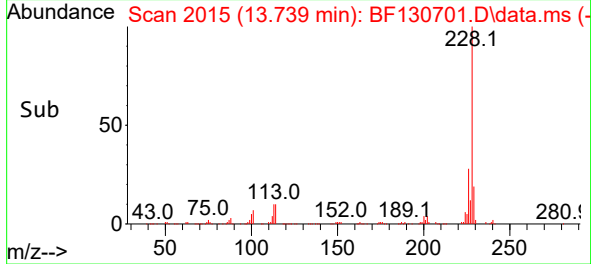
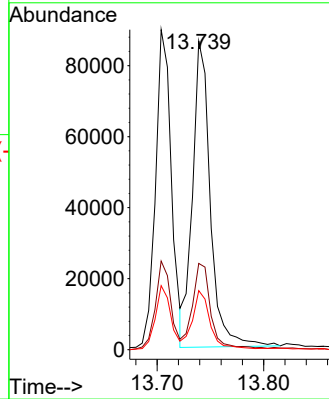
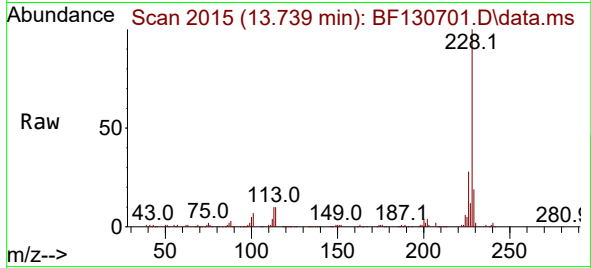
Tgt Ion:228 Resp: 100399

Ion Ratio Lower Upper

228 100

226 27.9 23.9 35.9

229 19.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.832 ng

RT: 13.704 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

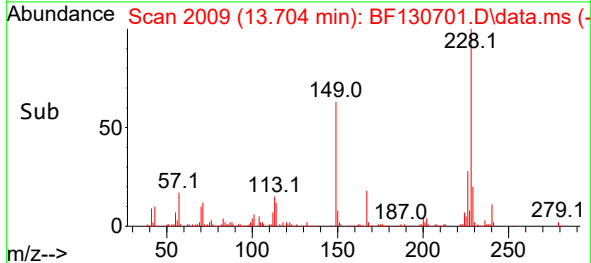
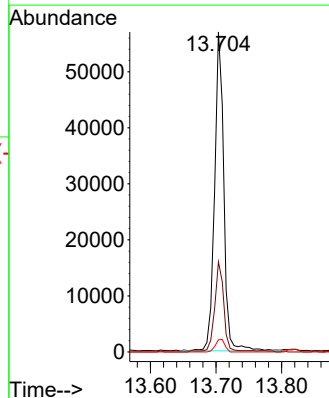
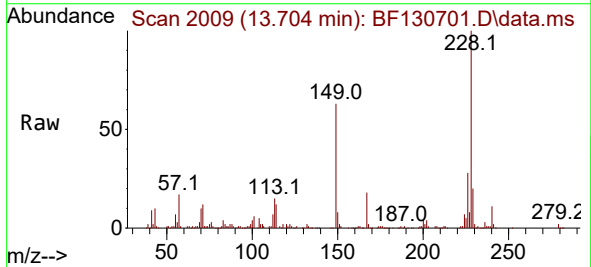
Tgt Ion:149 Resp: 55907

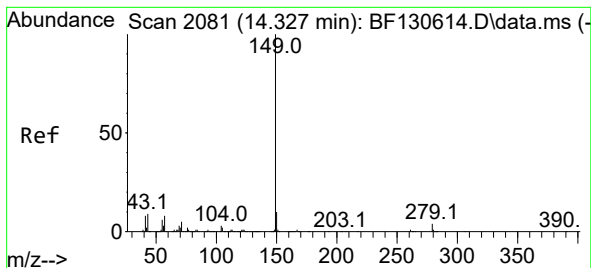
Ion Ratio Lower Upper

149 100

167 28.2 21.9 32.9

279 3.8 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 8.216 ng

RT: 14.315 min Scan# 2113

Delta R.T. -0.000 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

Instrument :

BNA_F

ClientSampleId :

5388-1

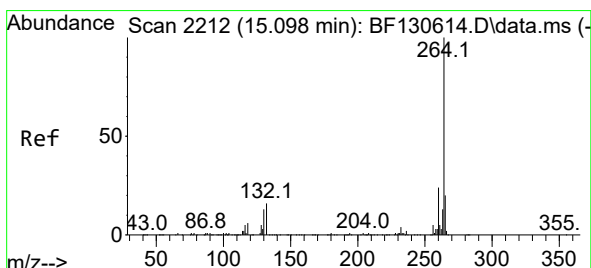
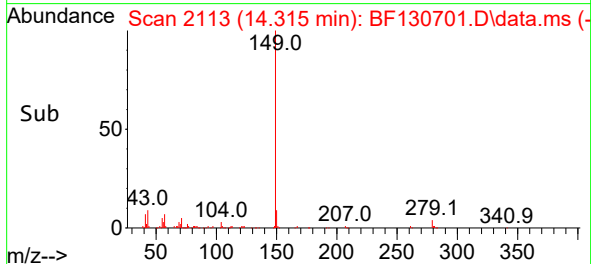
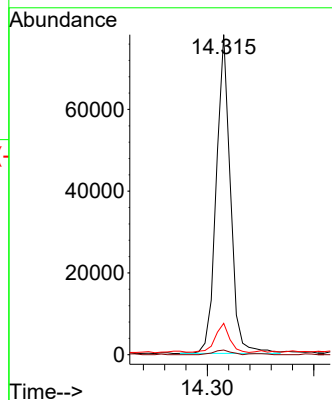
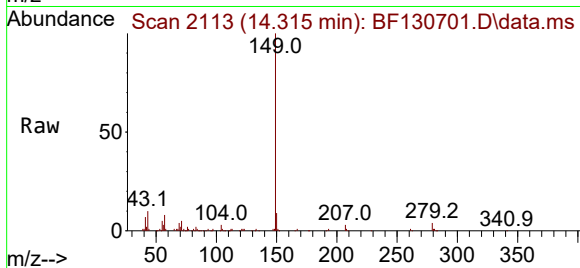
Tgt Ion:149 Resp: 71550

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 9.3 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.092 min Scan# 2245

Delta R.T. 0.006 min

Lab File: BF130701.D

Acq: 18 Oct 2022 16:44

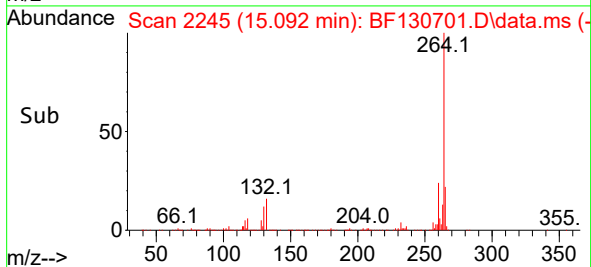
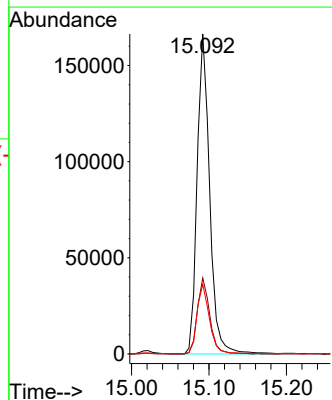
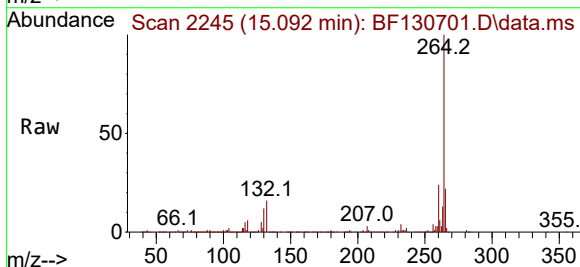
Tgt Ion:264 Resp: 186862

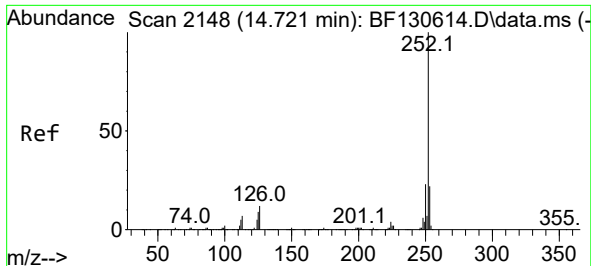
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.7 16.4 24.6

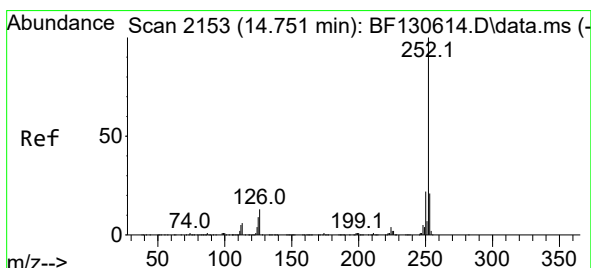
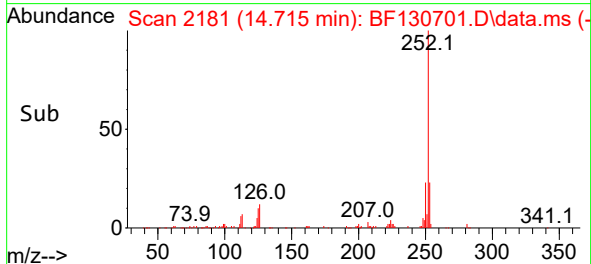
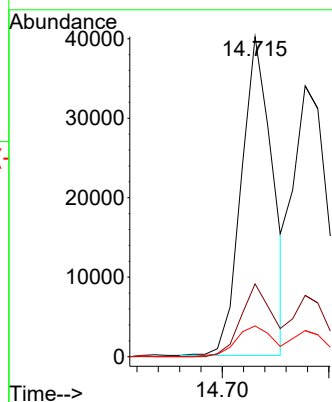
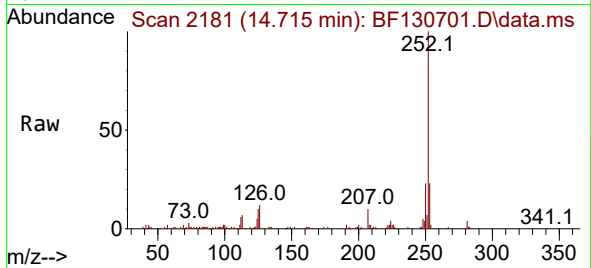




#88
Benzo(b)fluoranthene
Concen: 3.453 ng
RT: 14.715 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

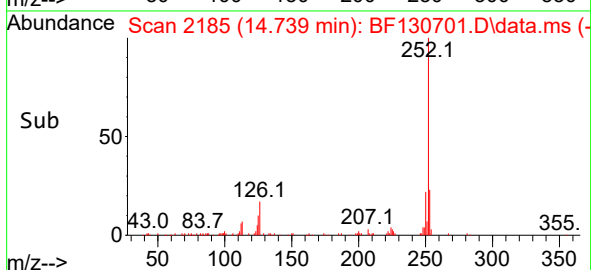
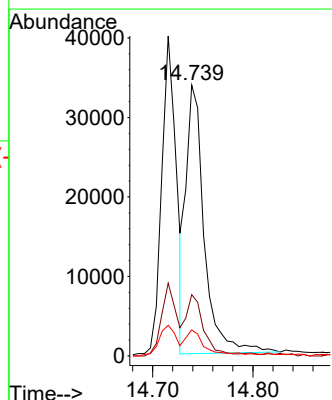
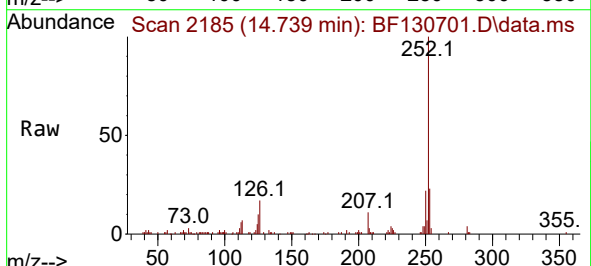
Instrument :
BNA_F
ClientSampleId :
5388-1

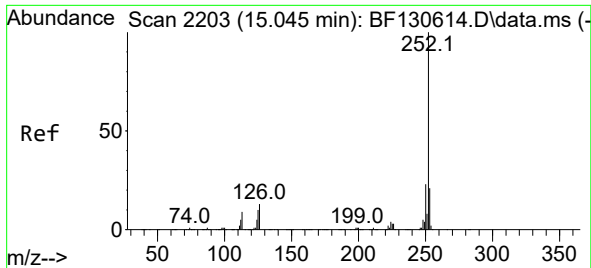
Tgt Ion:252 Resp: 40860
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.6 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 3.534 ng
RT: 14.739 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BF130701.D
Acq: 18 Oct 2022 16:44

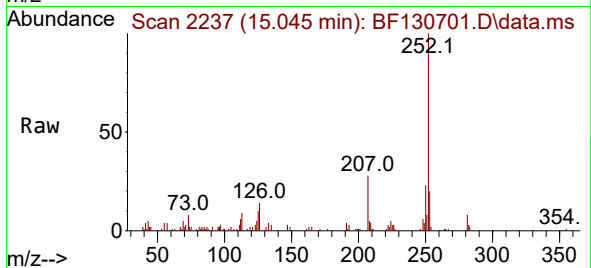
Tgt Ion:252 Resp: 42581
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 9.7 7.2 10.8





#90
 Benzo(a)pyrene
 Concen: 2.141 ng
 RT: 15.045 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF130701.D
 Acq: 18 Oct 2022 16:44

Instrument :
 BNA_F
 ClientSampleId :
 5388-1



Tgt Ion:	252	Resp:	21086
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.0	25.6
125	10.5	8.4	12.6

