

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101822\
 Data File : BF130700.D
 Acq On : 18 Oct 2022 16:12
 Operator : CG\JU
 Sample : N5164-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 588A-2

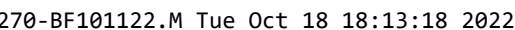
Quant Time: Oct 18 18:13:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

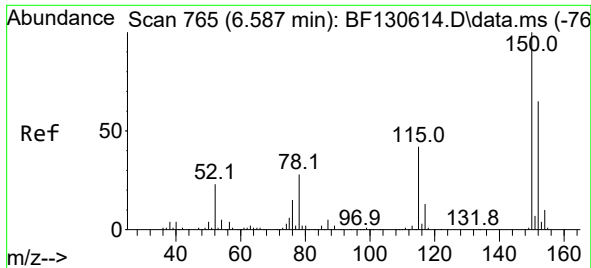
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	91182	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	351283	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	173803	20.000	ng	0.00
64) Phenanthrene-d10	11.086	188	239663	20.000	ng	0.00
76) Chrysene-d12	13.716	240	144009	20.000	ng	0.00
86) Perylene-d12	15.092	264	203262	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	312400	61.757	ng	0.01
7) Phenol-d6	6.228	99	224290	35.266	ng	0.00
23) Nitrobenzene-d5	7.145	82	590808	91.814	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	219300	128.951	ng	0.00
45) 2-Fluorobiphenyl	8.934	172	1065738	92.882	ng	0.00
79) Terphenyl-d14	12.669	244	580830	66.942	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.145	70	79526	19.381	ng	# 77
25) Isophorone	7.145	82	590802	55.165	ng	# 64
73) Carbazole	11.322	167	43319	3.744	ng	97
74) Di-n-butylphthalate	11.657	149	719618	51.339	ng	99
75) Fluoranthene	12.286	202	63315	4.961	ng	98
77) Benzidine	12.669	184	7868	2.162	ng	96
78) Pyrene	12.516	202	73739	5.935	ng	99
80) Butylbenzylphthalate	13.145	149	58107	12.163	ng	98
81) Benzo(a)anthracene	13.704	228	132889	13.695	ng	99
83) Chrysene	13.745	228	143954	15.647	ng	97
84) Bis(2-ethylhexyl)phtha...	13.704	149	78154	13.494	ng	98
85) Di-n-octyl phthalate	14.316	149	92345	10.411	ng	99
88) Benzo(b)fluoranthene	14.716	252	52361	4.068	ng	98
89) Benzo(k)fluoranthene	14.739	252	53050	4.048	ng	99
90) Benzo(a)pyrene	15.039	252	24113	2.251	ng	99

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

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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

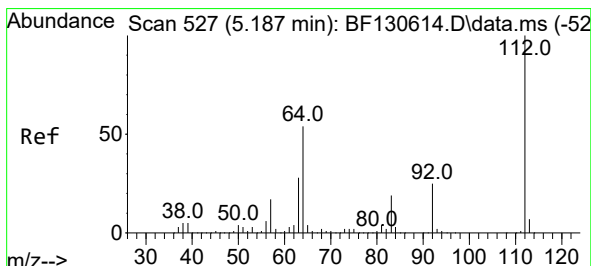
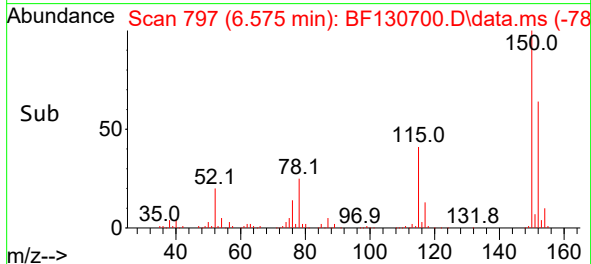
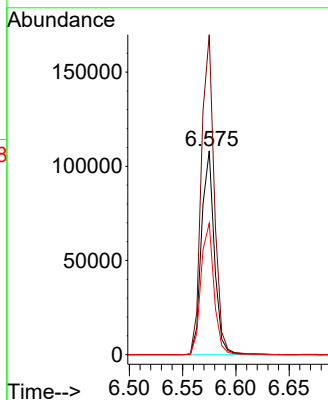
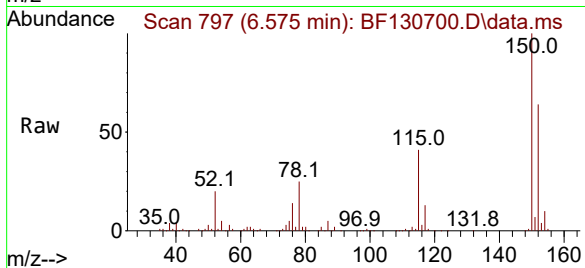




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.575 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF130700.D
 Acq: 18 Oct 2022 16:12

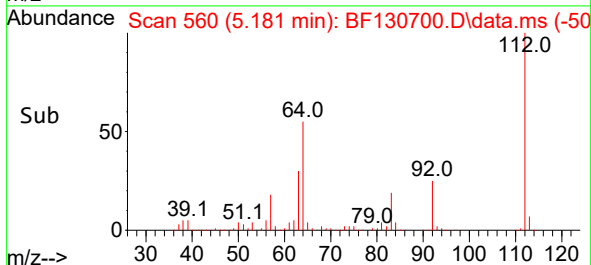
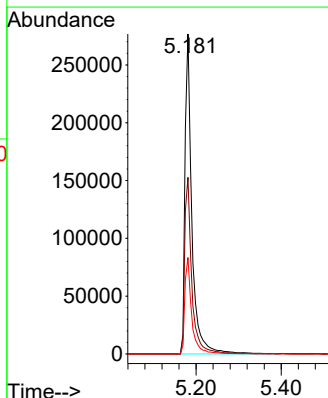
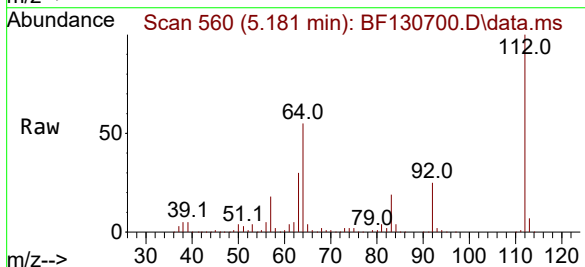
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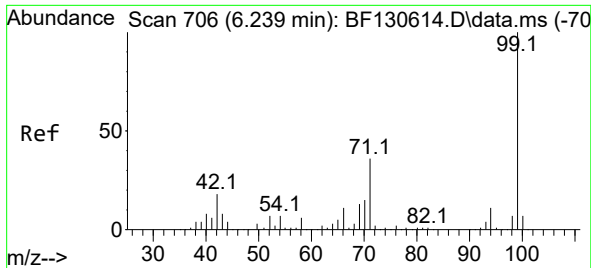
Tgt Ion:152 Resp: 91182
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.8 185.6
 115 64.5 52.2 78.4



#5
 2-Fluorophenol
 Concen: 61.757 ng
 RT: 5.181 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: BF130700.D
 Acq: 18 Oct 2022 16:12

Tgt Ion:112 Resp: 312400
 Ion Ratio Lower Upper
 112 100
 64 55.2 43.5 65.3
 63 30.2 22.6 34.0

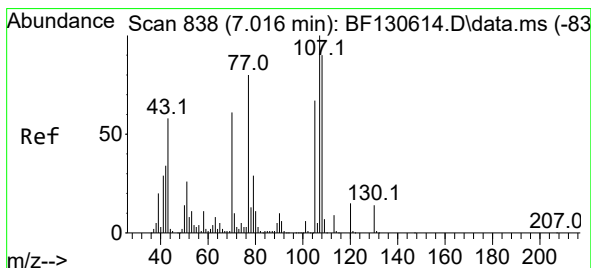
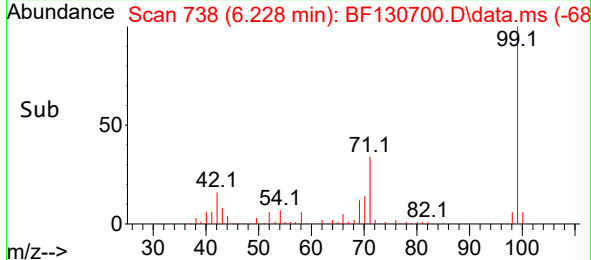
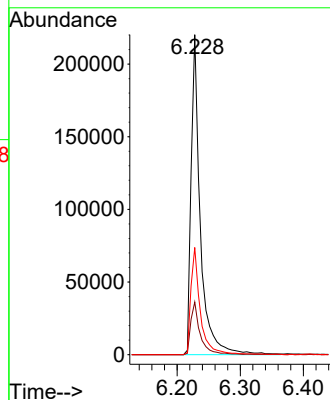
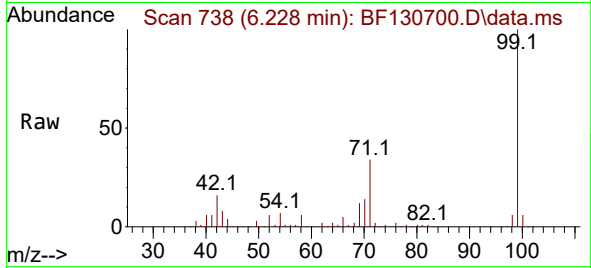




#7
Phenol-d6
Concen: 35.266 ng
RT: 6.228 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

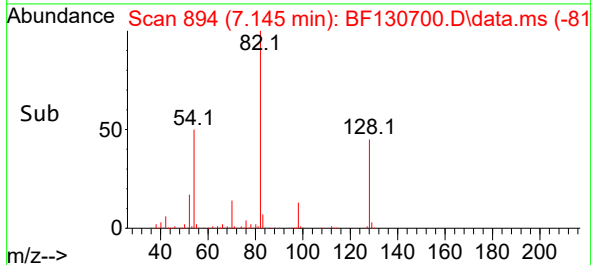
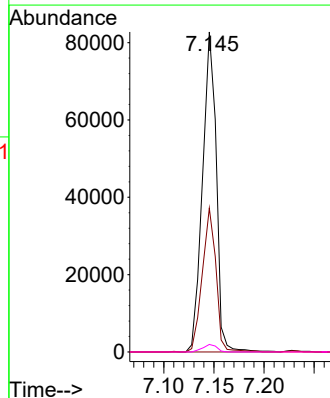
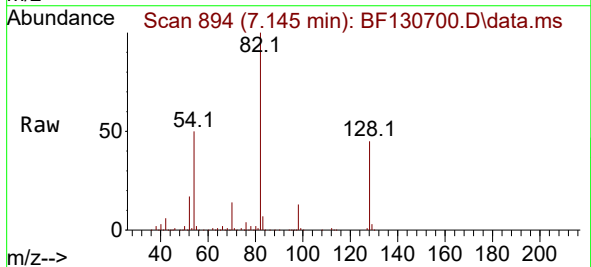
Instrument :
BNA_F
ClientSampleId :
588A-2

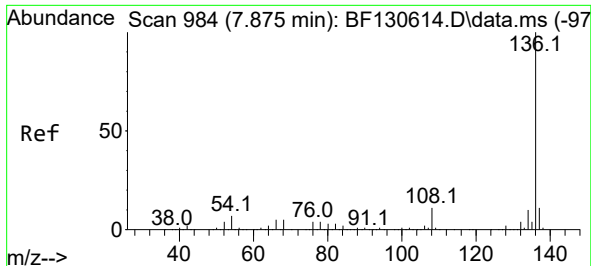
Tgt Ion: 99 Resp: 224290
Ion Ratio Lower Upper
99 100
42 16.4 14.0 21.0
71 33.5 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.381 ng
RT: 7.145 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion: 70 Resp: 79526
Ion Ratio Lower Upper
70 100
42 45.0 44.3 66.5
101 0.0 7.9 11.9#
130 2.4 18.1 27.1#

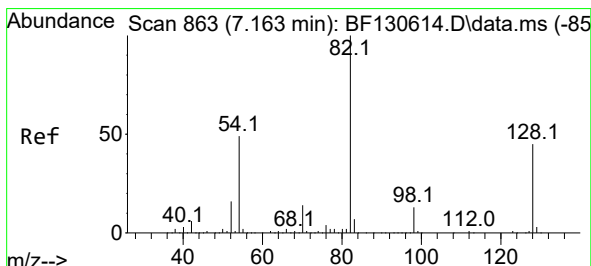
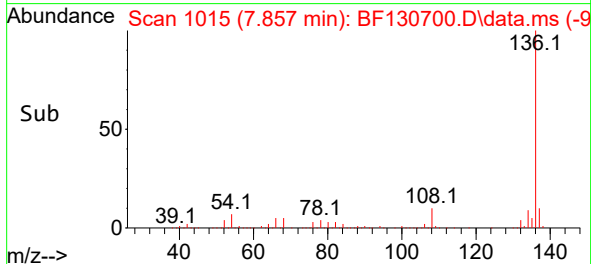
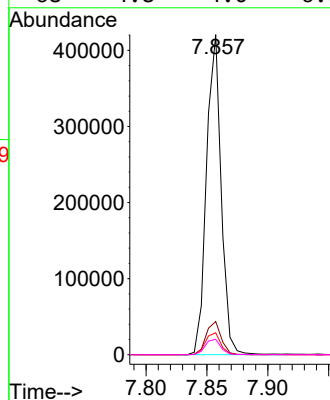
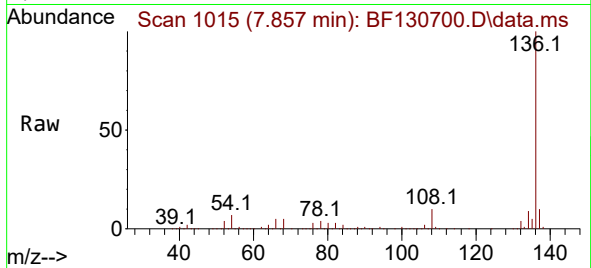




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.857 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

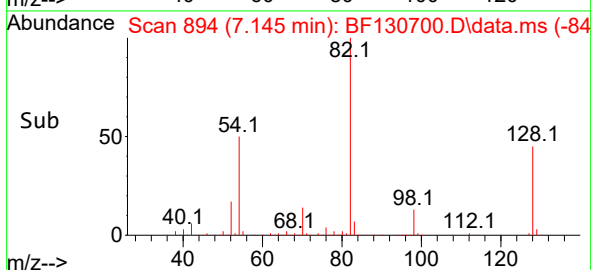
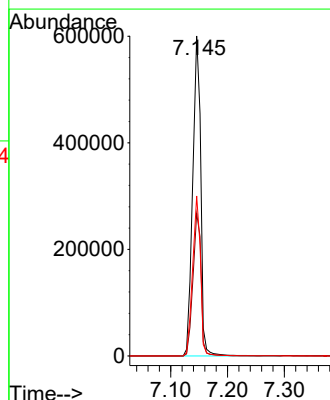
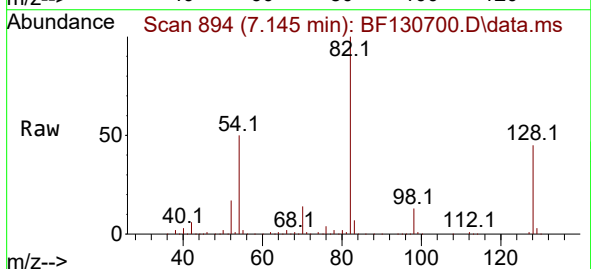
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BNA_F
ClientSampleId :
588A-2

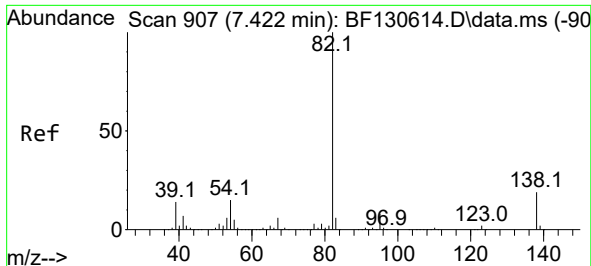
Tgt Ion:136 Resp: 351283
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 6.8 5.5 8.3
68 4.8 4.0 6.0



#23
Nitrobenzene-d5
Concen: 91.814 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion: 82 Resp: 590808
Ion Ratio Lower Upper
82 100
128 44.6 35.8 53.6
54 50.0 39.3 58.9

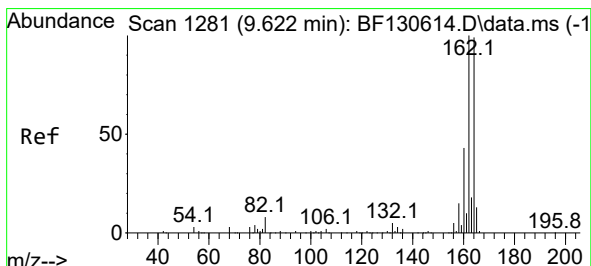
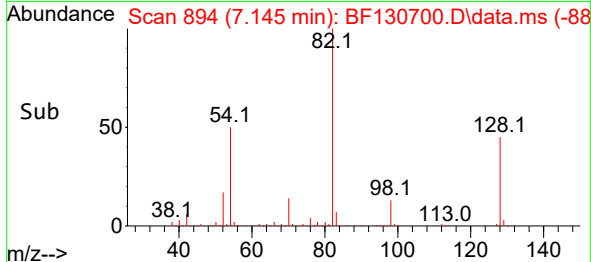
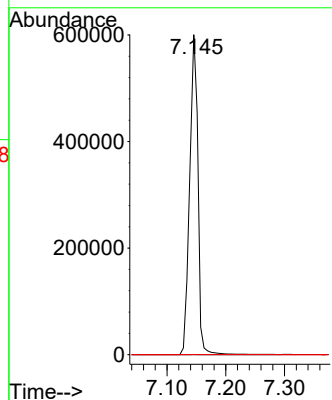
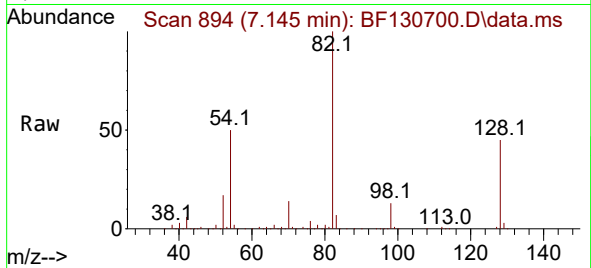




#25
Isophorone
Concen: 55.165 ng
RT: 7.145 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

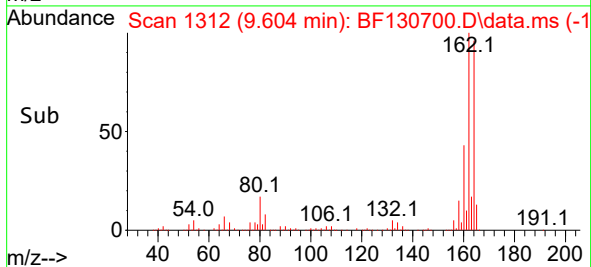
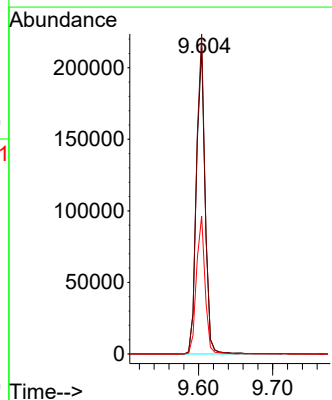
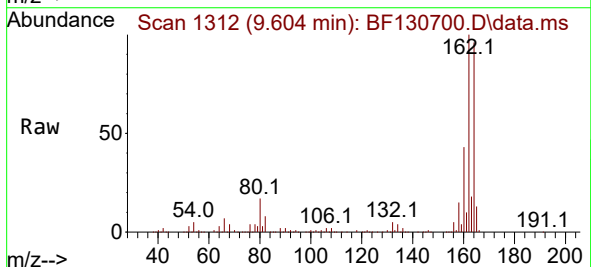
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BNA_F
ClientSampleId :
588A-2

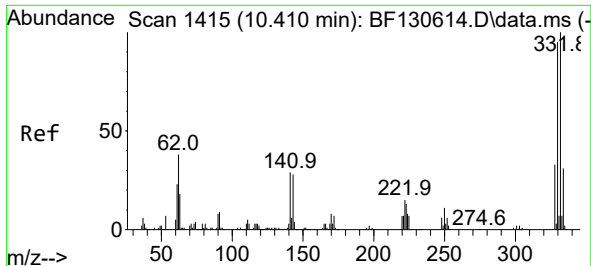
Tgt Ion: 82 Resp: 590802
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:164 Resp: 173803
Ion Ratio Lower Upper
164 100
162 104.5 81.0 121.4
160 45.0 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 128.951 ng

RT: 10.392 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

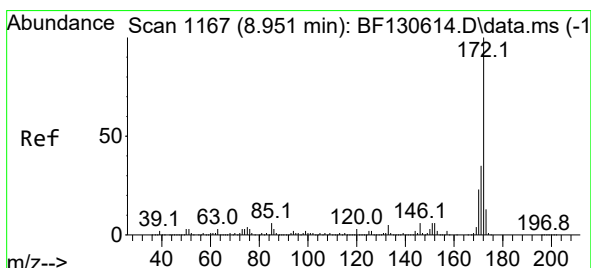
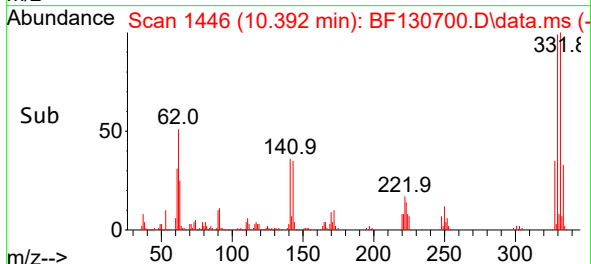
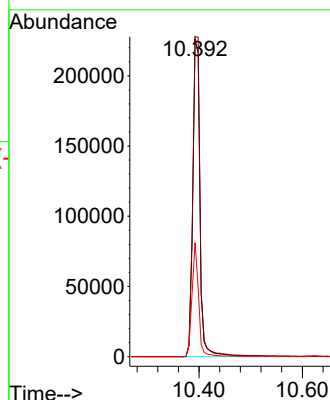
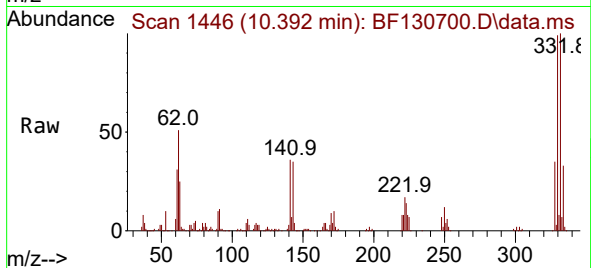
Tgt Ion:330 Resp: 219300

Ion Ratio Lower Upper

330 100

332 102.5 84.2 126.4

141 33.1 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 92.882 ng

RT: 8.934 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

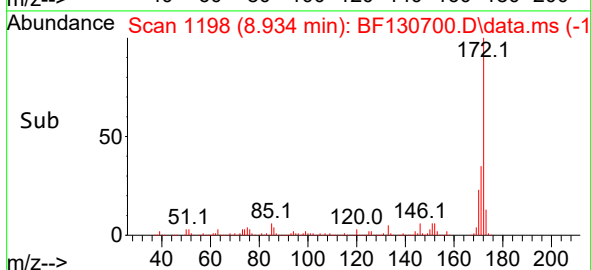
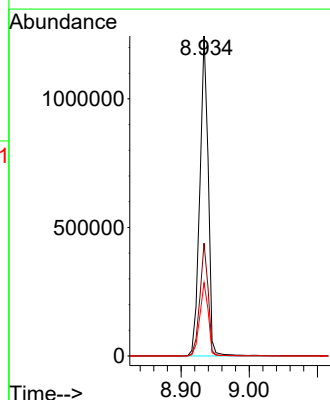
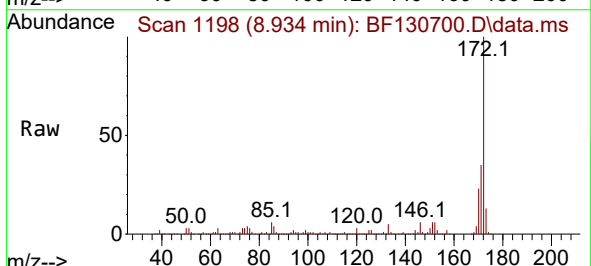
Tgt Ion:172 Resp: 1065738

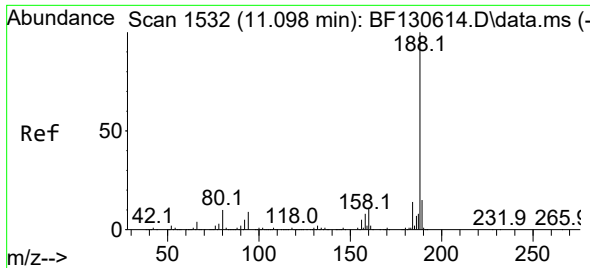
Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

170 22.9 18.6 27.8

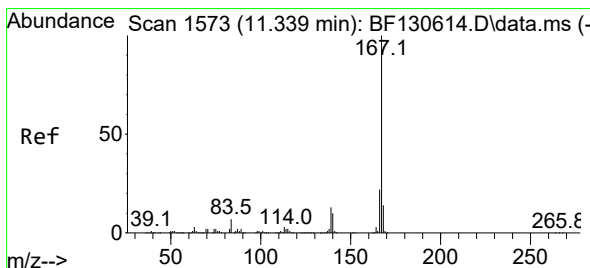
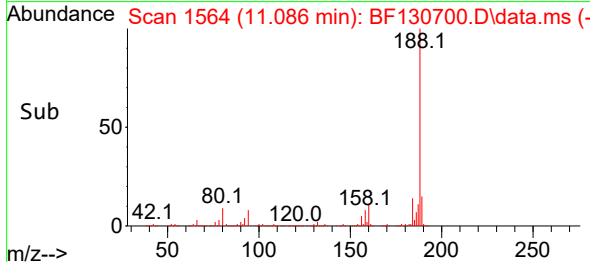
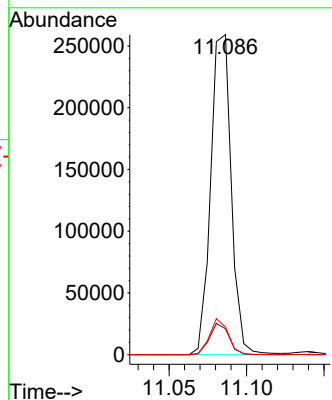
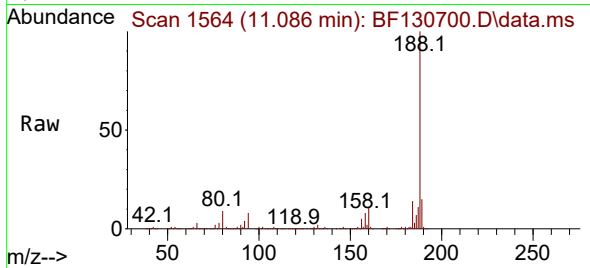




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

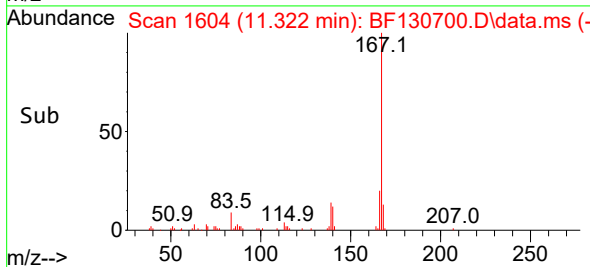
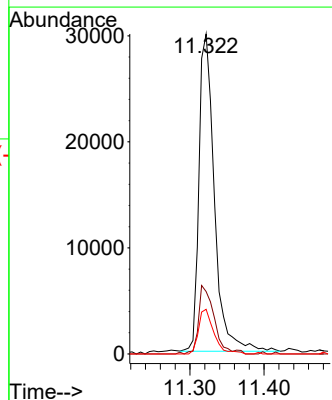
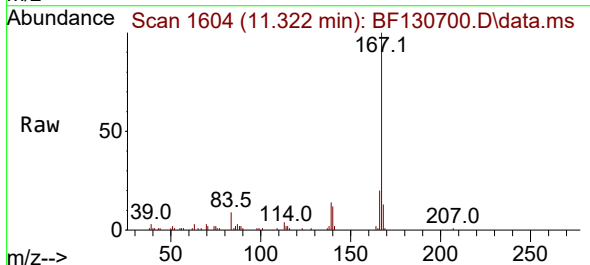
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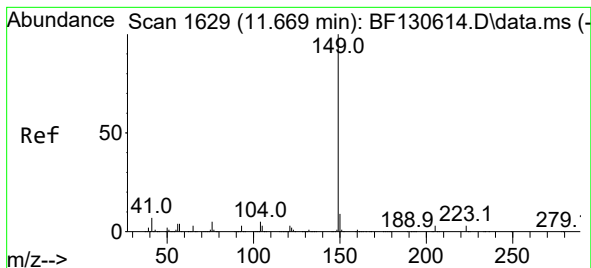
Tgt Ion:188 Resp: 239663
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.6 8.0 12.0



#73
Carbazole
Concen: 3.744 ng
RT: 11.322 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:167 Resp: 43319
Ion Ratio Lower Upper
167 100
166 19.5 17.3 25.9
139 13.9 10.7 16.1





#74

Di-n-butylphthalate

Concen: 51.339 ng

RT: 11.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

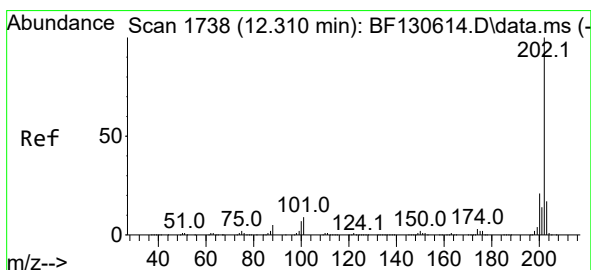
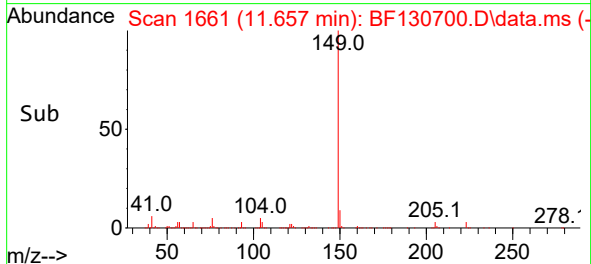
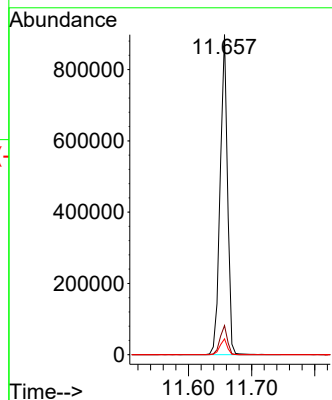
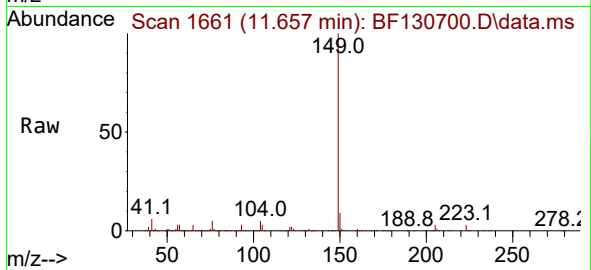
Tgt Ion:149 Resp: 719618

Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 4.9 4.2 6.2



#75

Fluoranthene

Concen: 4.961 ng

RT: 12.286 min Scan# 1768

Delta R.T. -0.012 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

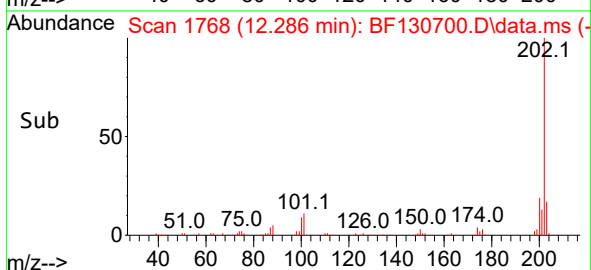
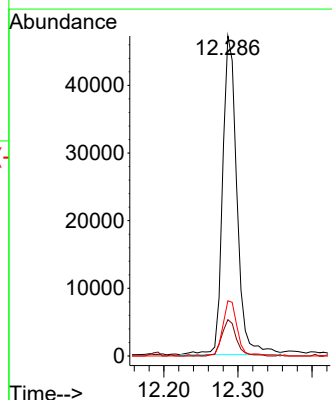
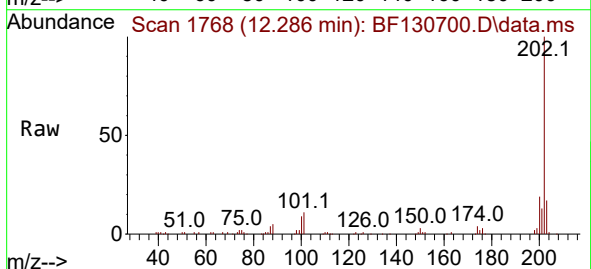
Tgt Ion:202 Resp: 63315

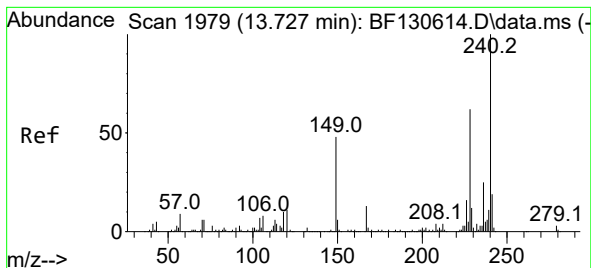
Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.1

203 17.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.716 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

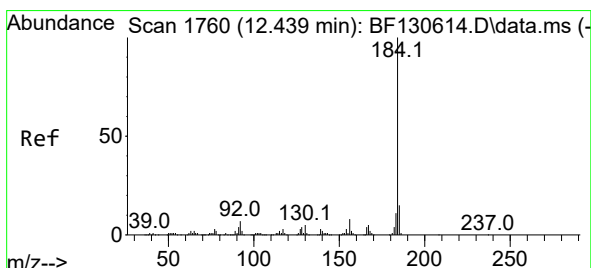
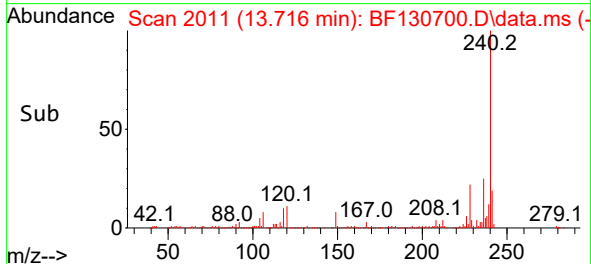
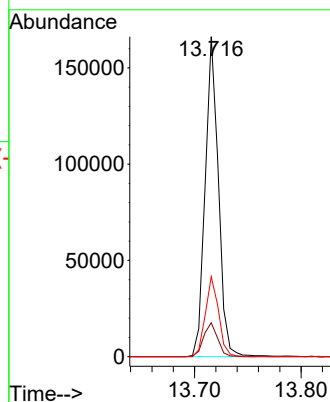
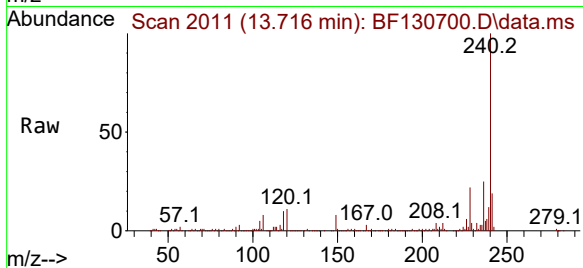
Tgt Ion:240 Resp: 144009

Ion Ratio Lower Upper

240 100

120 10.6 8.6 13.0

236 25.0 20.2 30.4



#77

Benzidine

Concen: 2.162 ng

RT: 12.669 min Scan# 1833

Delta R.T. 0.241 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

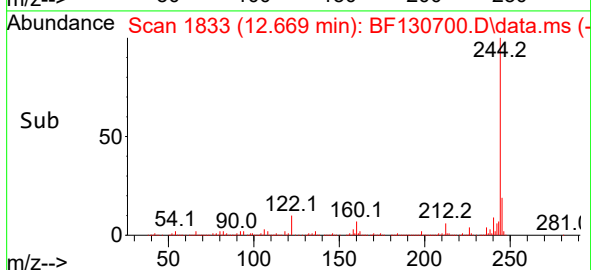
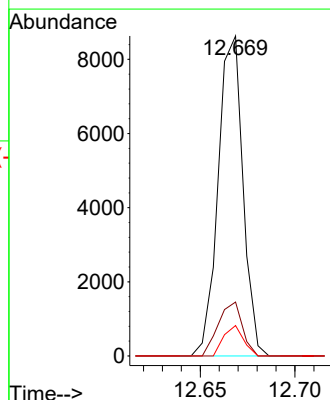
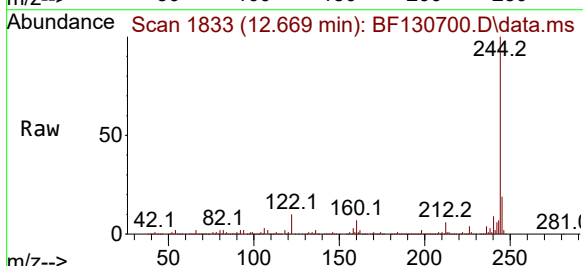
Tgt Ion:184 Resp: 7868

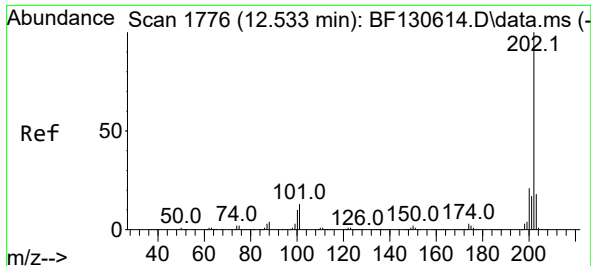
Ion Ratio Lower Upper

184 100

185 16.9 12.0 18.0

183 9.5 9.0 13.4

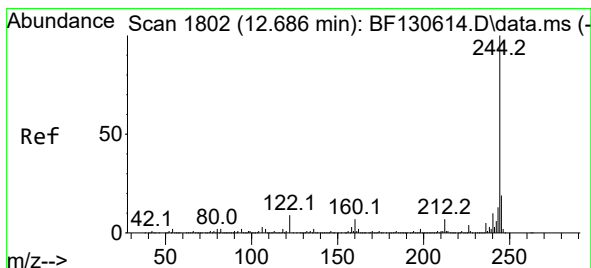
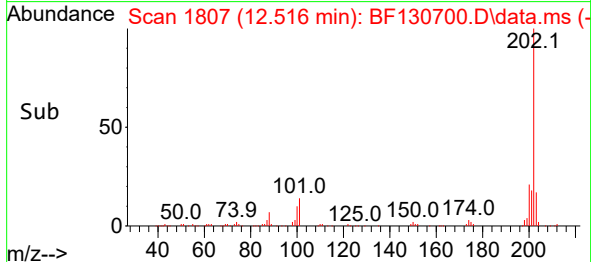
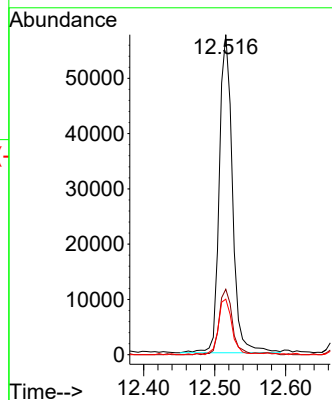
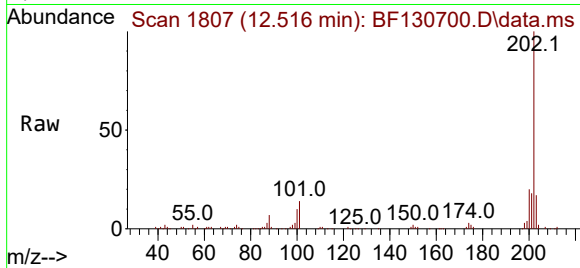




#78
Pyrene
Concen: 5.935 ng
RT: 12.516 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

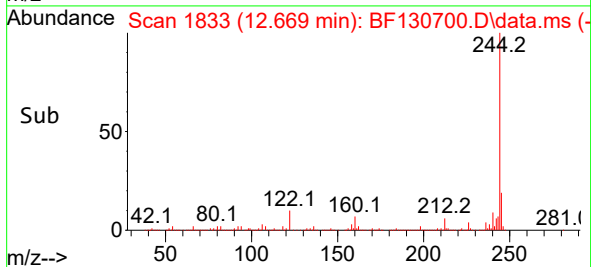
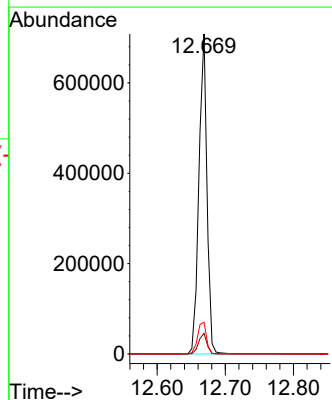
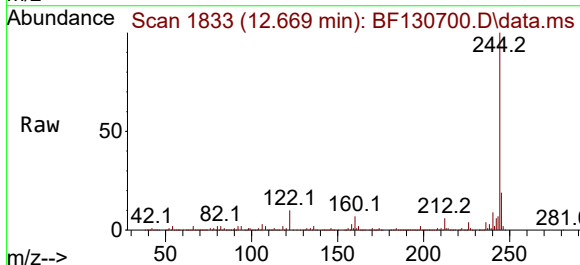
Instrument :
BNA_F
ClientSampleId :
588A-2

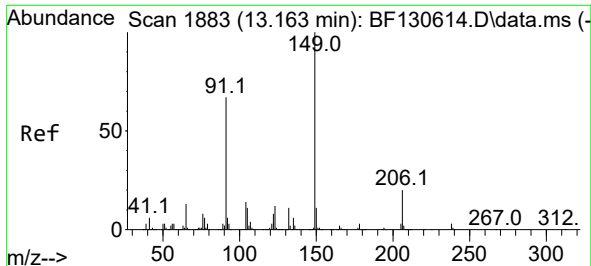
Tgt Ion:202 Resp: 73739
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 17.3 14.0 21.0



#79
Terphenyl-d14
Concen: 66.942 ng
RT: 12.669 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:244 Resp: 580830
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.9 7.5 11.3

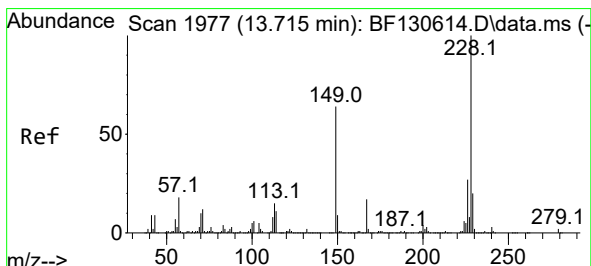
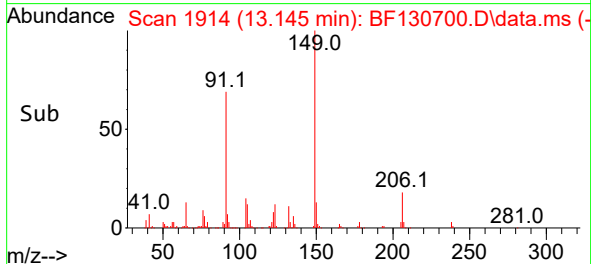
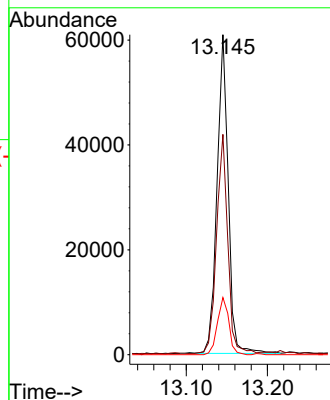
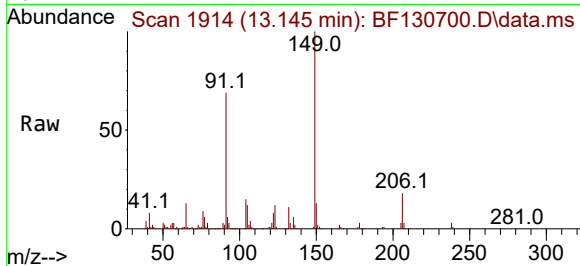




#80
Butylbenzylphthalate
Concen: 12.163 ng
RT: 13.145 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

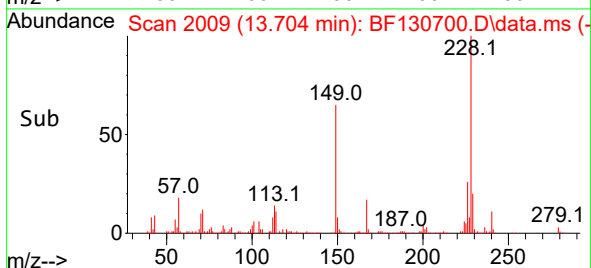
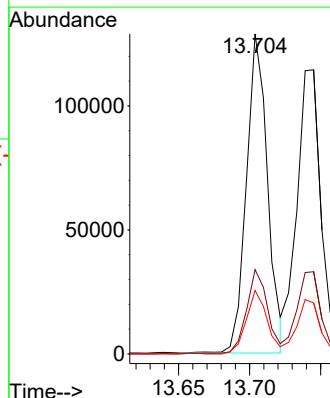
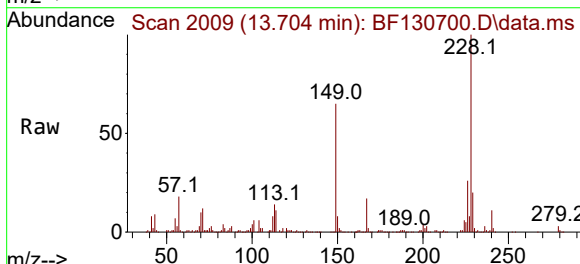
Instrument :
BNA_F
ClientSampleId :
588A-2

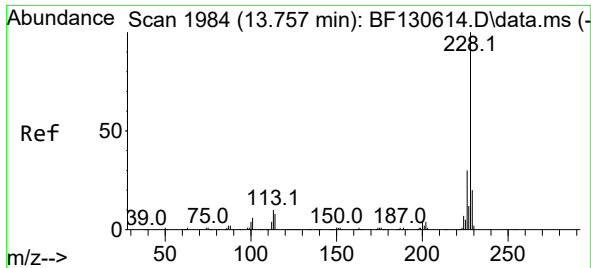
Tgt Ion:	149	Resp:	58107
Ion Ratio	Lower	Upper	
149	100		
91	68.9	53.8	80.8
206	17.8	15.8	23.6



#81
Benzo(a)anthracene
Concen: 13.695 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:	228	Resp:	132889
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.4	32.2
229	19.8	15.8	23.8

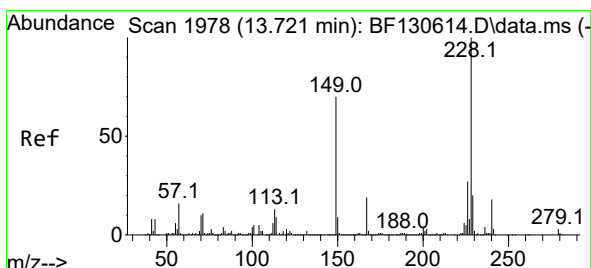
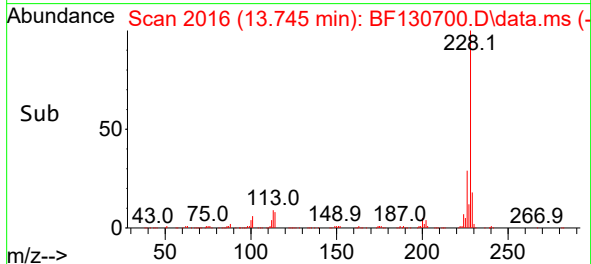
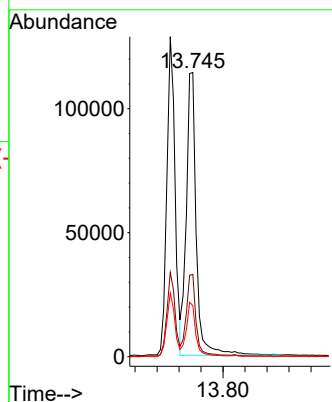
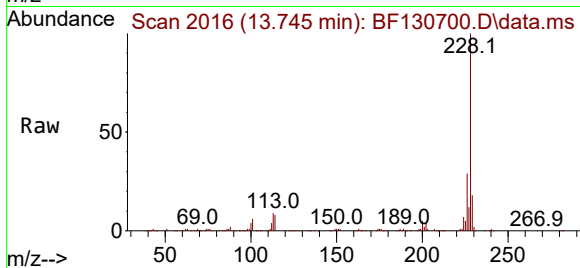




#83
Chrysene
Concen: 15.647 ng
RT: 13.745 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

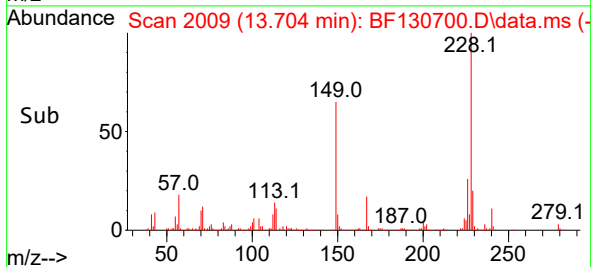
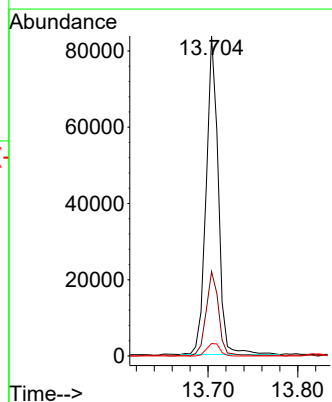
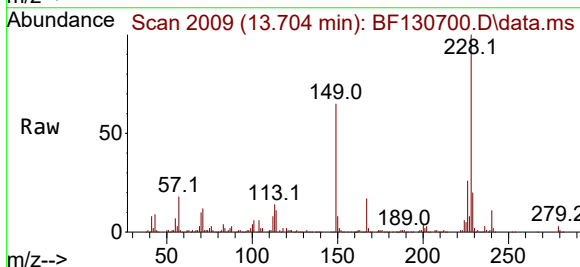
Instrument :
BNA_F
ClientSampleId :
588A-2

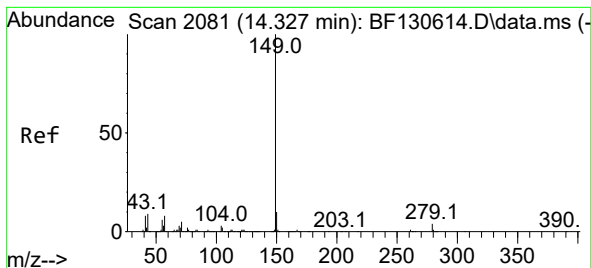
Tgt Ion:228 Resp: 143954
Ion Ratio Lower Upper
228 100
226 29.0 23.9 35.9
229 18.0 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 13.494 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:149 Resp: 78154
Ion Ratio Lower Upper
149 100
167 26.4 21.9 32.9
279 3.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 10.411 ng

RT: 14.316 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

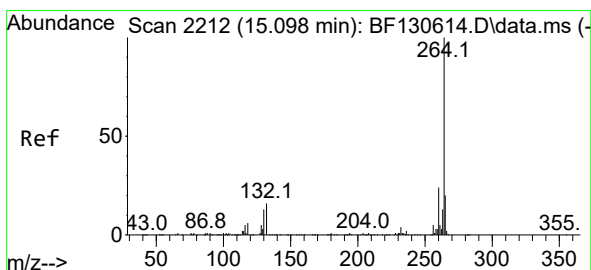
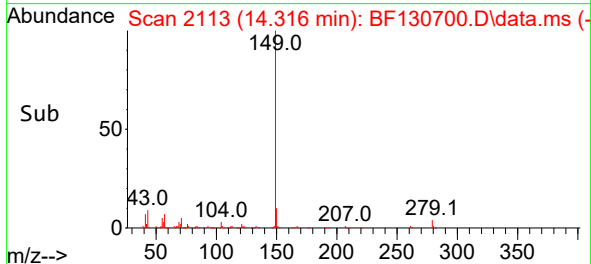
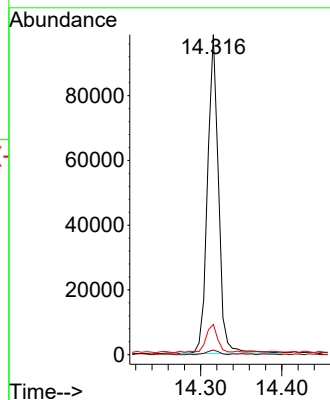
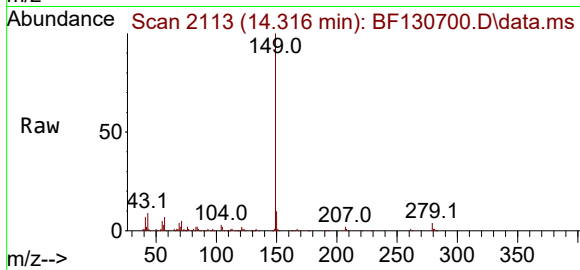
Tgt Ion:149 Resp: 92345

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 9.4 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: BF130700.D

Acq: 18 Oct 2022 16:12

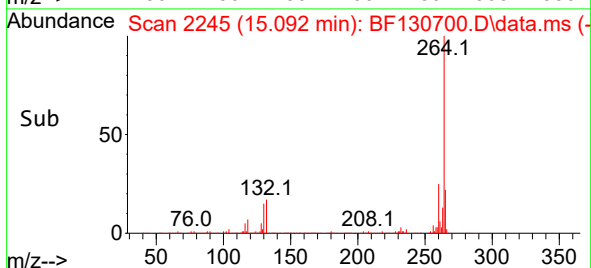
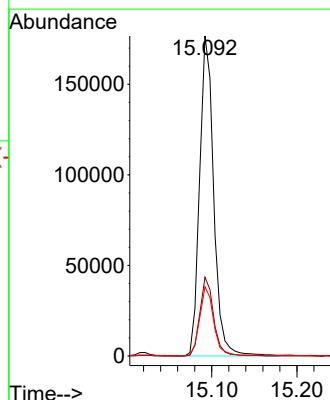
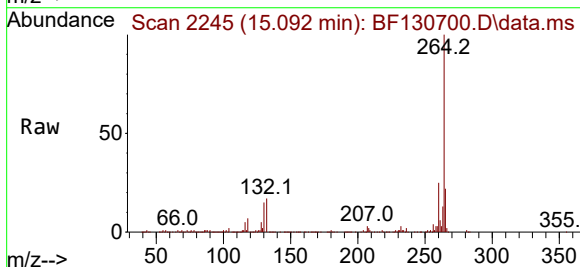
Tgt Ion:264 Resp: 203262

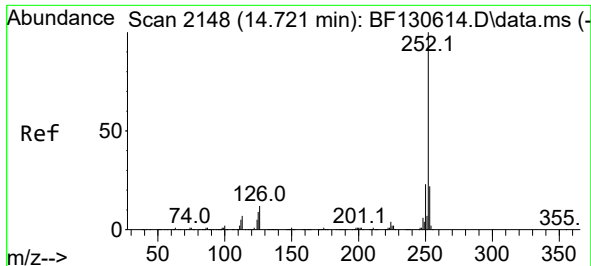
Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 21.6 16.4 24.6

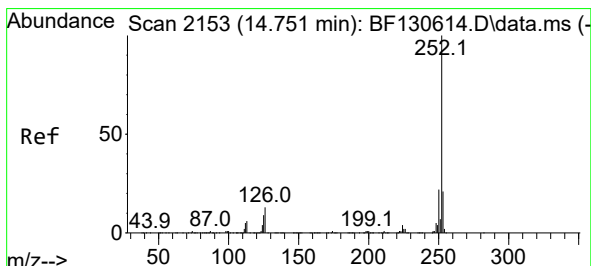
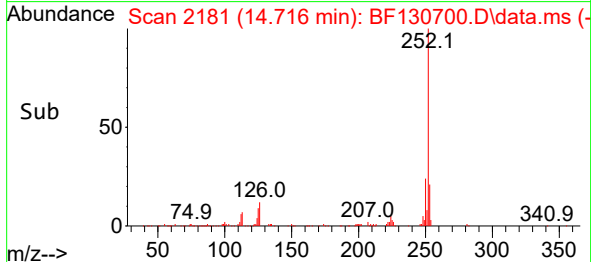
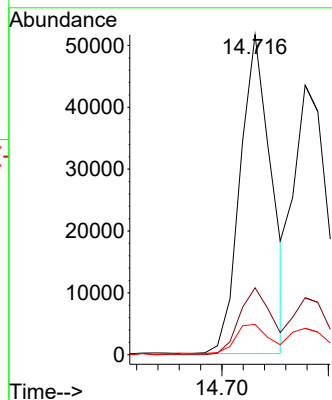
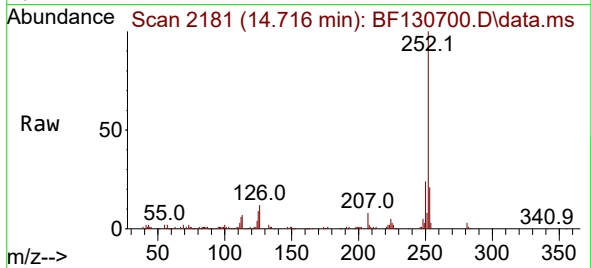




#88
Benzo(b)fluoranthene
Concen: 4.068 ng
RT: 14.716 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

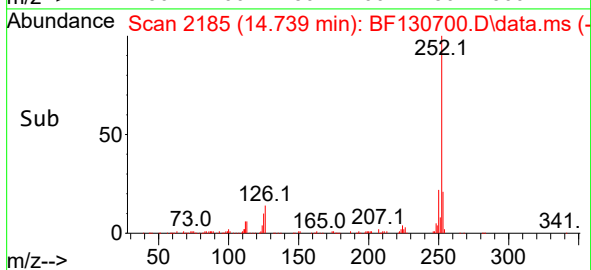
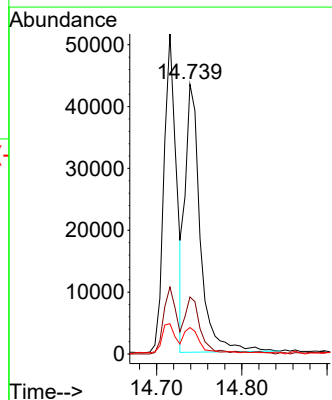
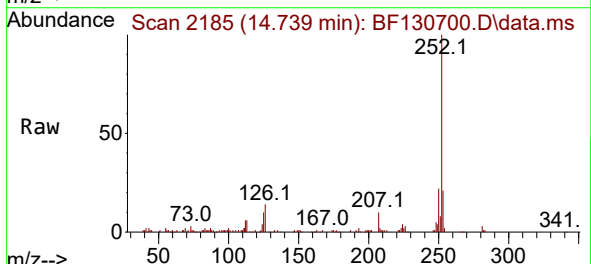
Instrument :
BNA_F
ClientSampleId :
588A-2

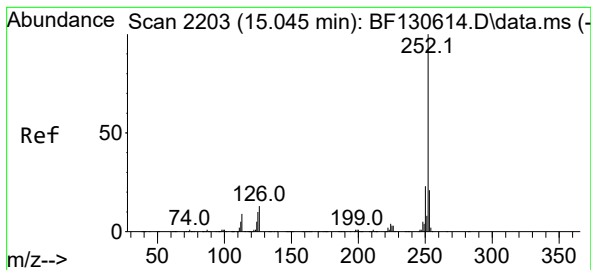
Tgt Ion:252 Resp: 52361
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.2
125 9.4 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 4.048 ng
RT: 14.739 min Scan# 2185
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

Tgt Ion:252 Resp: 53050
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.4
125 9.8 7.2 10.8





#90

Benzo(a)pyrene

Concen: 2.251 ng

RT: 15.039 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130700.D

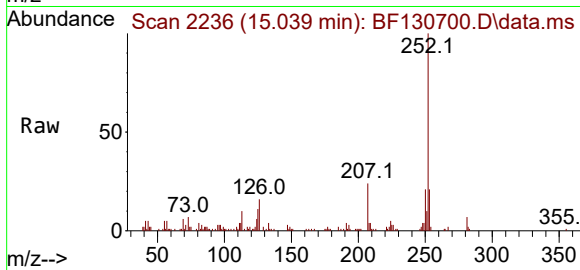
Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2



Tgt Ion:252 Resp: 24113

Ion Ratio Lower Upper

252 100

253 20.7 17.0 25.6

125 10.7 8.4 12.6

