

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)

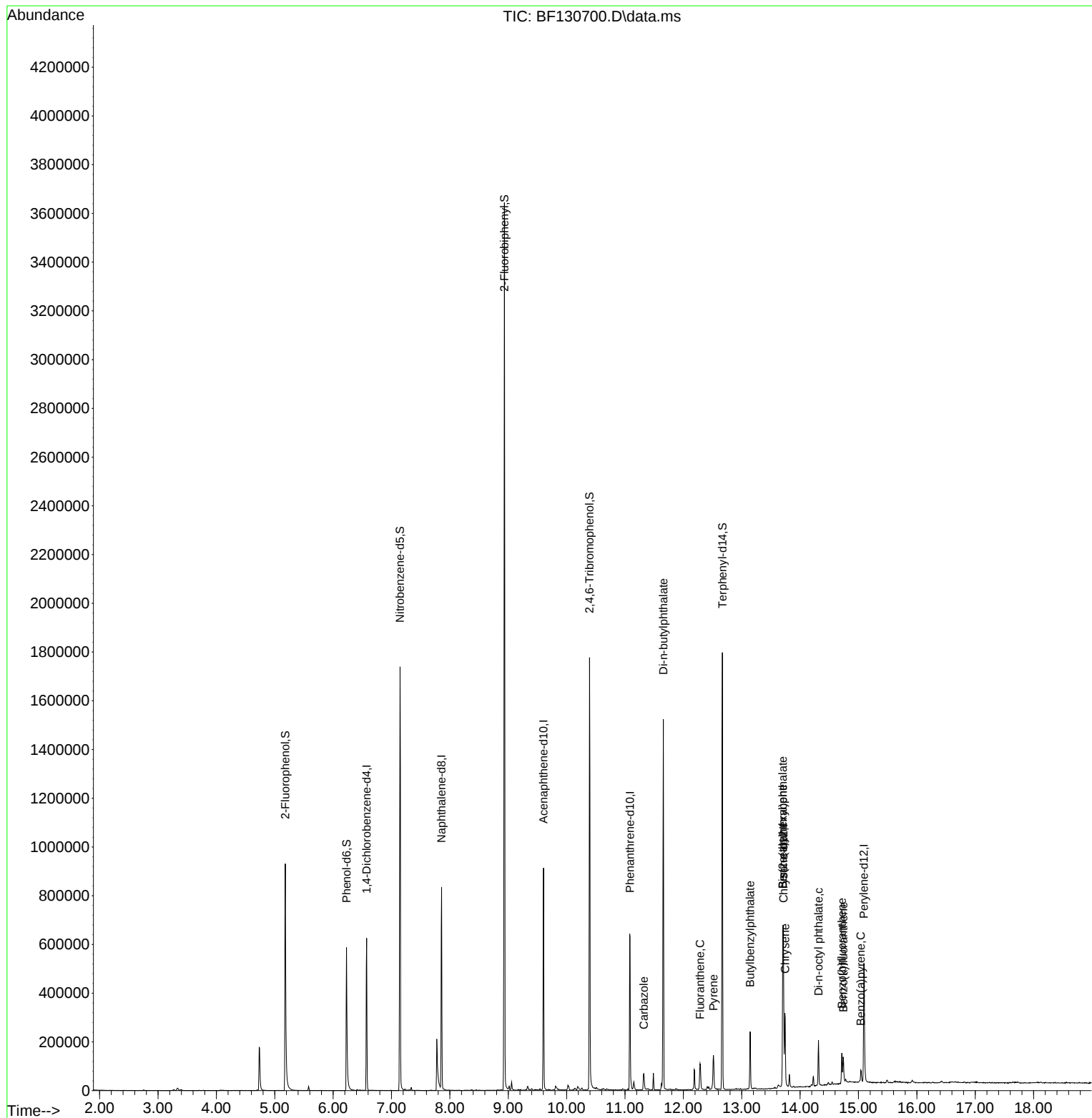
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.575	152	91182	20.000	ng	0.00
21) Naphthalene-d8	7.857	136	351283	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	173803	20.000	ng	0.00
64) Phenanthrene-d10	11.086	188	239663	20.000	ng	0.00
76) Chrysene-d12	13.716	240	144009	20.000	ng	0.00
86) Perylene-d12	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
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
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

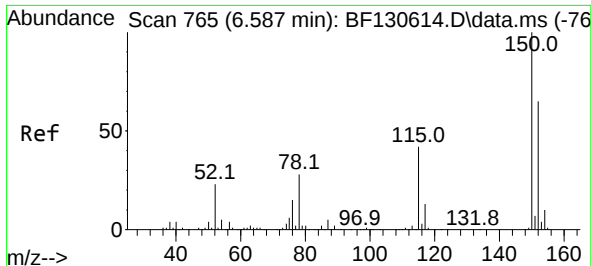
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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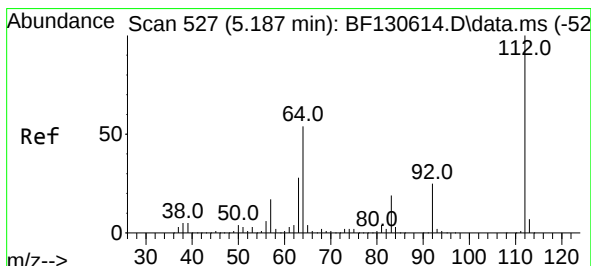
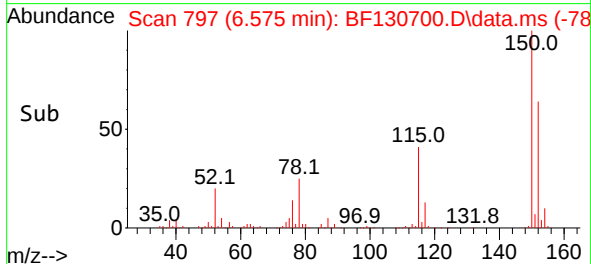
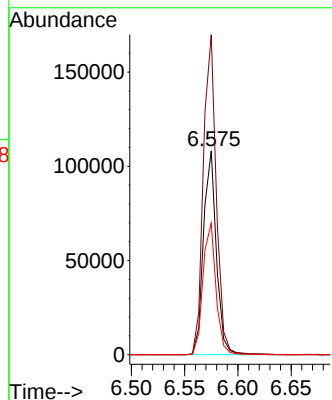
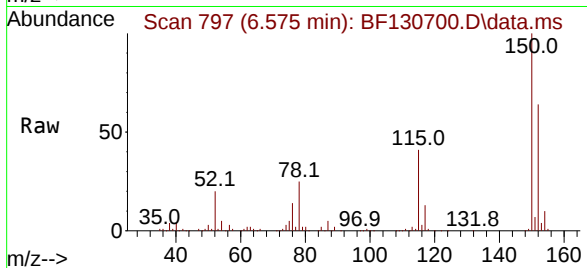




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.575 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

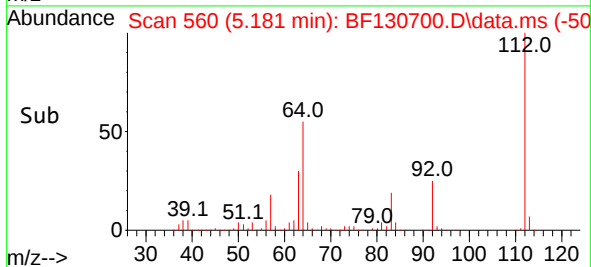
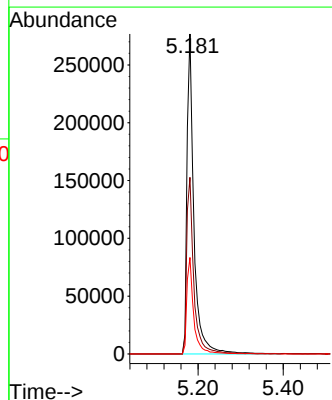
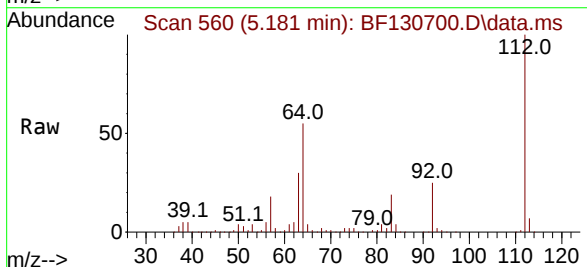
Instrument :
BNA_F
ClientSampleId :
588A-2

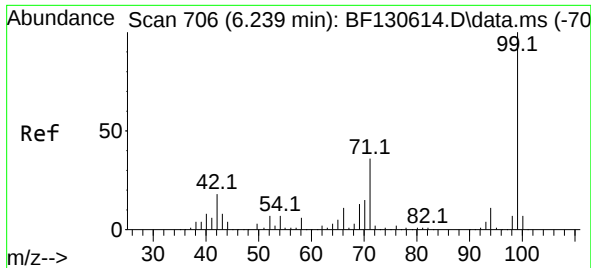
Tgt Ion:152 Resp: 91182
Ion Ratio Lower Upper
152 100
150 157.0 123.8 185.6
115 64.5 52.2 78.4



#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

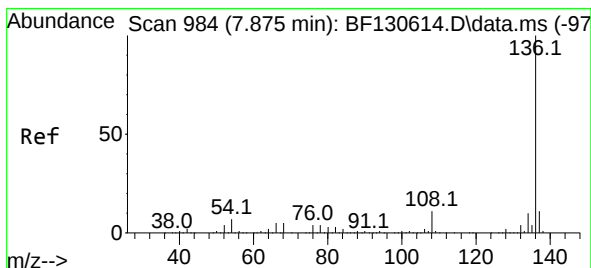
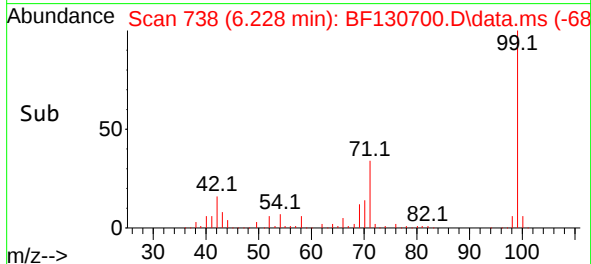
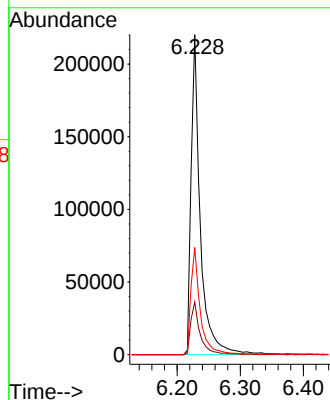
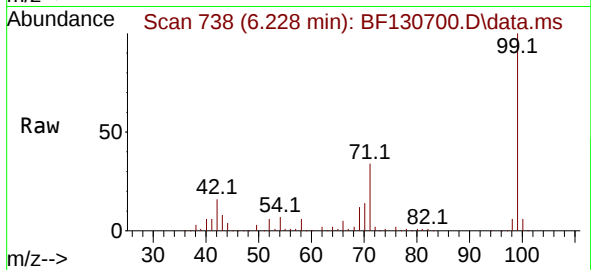




#7
Phenol-d6
Concen: 35.266 ng
RT: 6.228 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

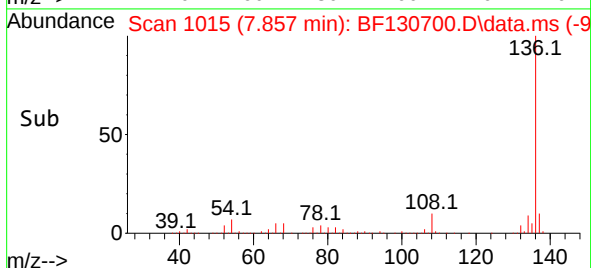
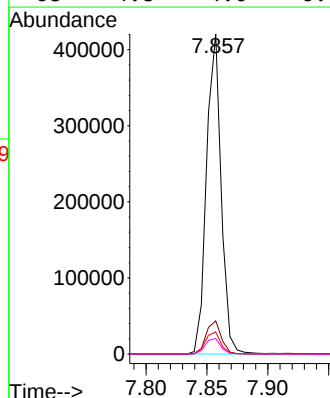
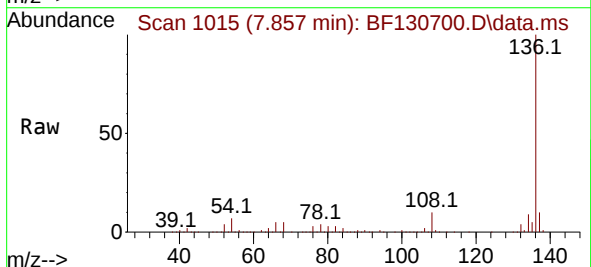
Instrument :
BNA_F
ClientSampleId :
588A-2

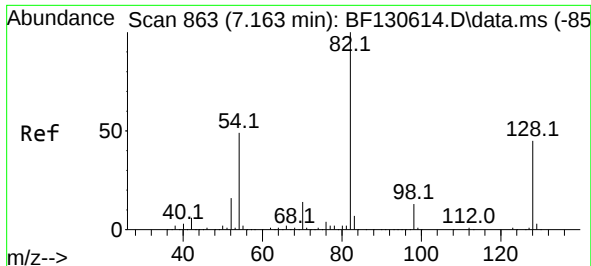
Tgt Ion: 99 Resp: 224290
Ion Ratio Lower Upper
99 100
42 16.4 14.0 21.0
71 33.5 28.8 43.2



#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

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

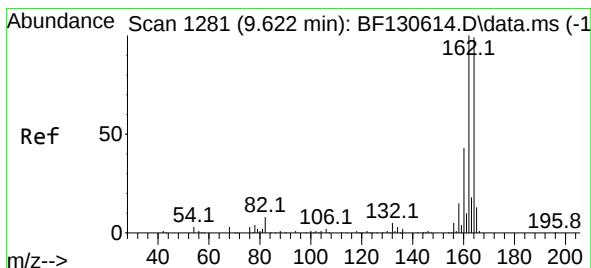
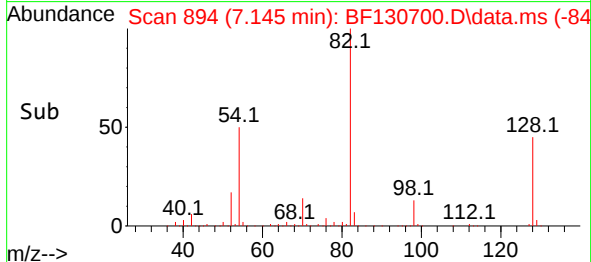
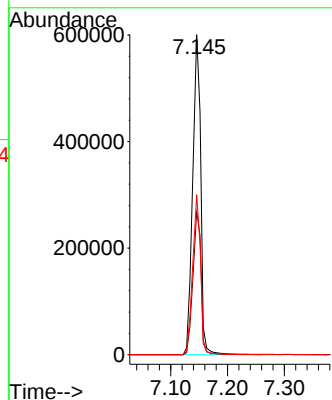
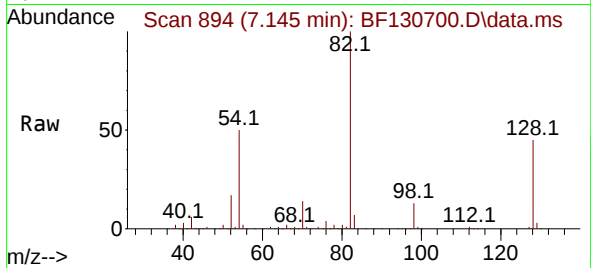




#23
 Nitrobenzene-d5
 Concen: 91.814 ng
 RT: 7.145 min Scan# 894
 Delta R.T. -0.006 min
 Lab File: BF130700.D
 Acq: 18 Oct 2022 16:12

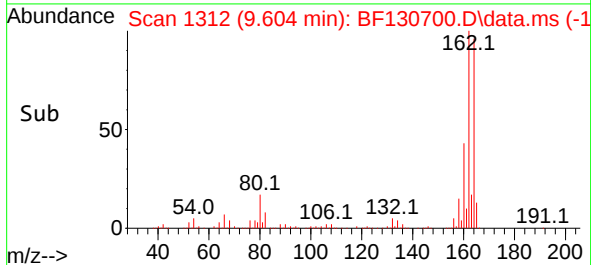
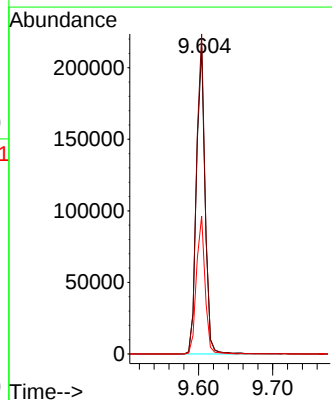
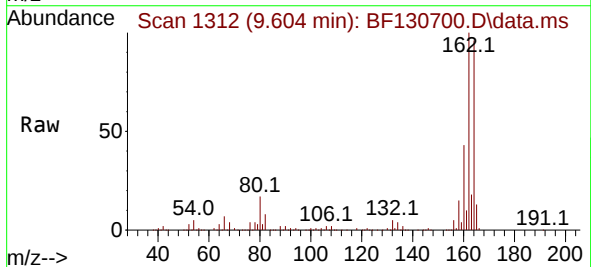
Instrument :
 BNA_F
 ClientSampleId :
 588A-2

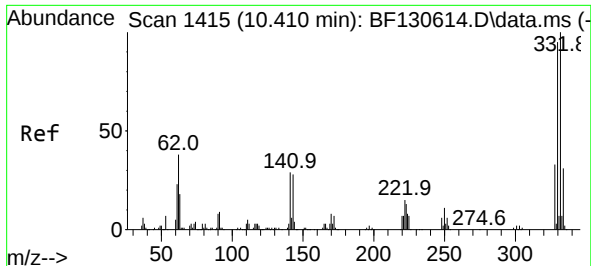
Tgt Ion: 82 Resp: 590808
 Ion Ratio Lower Upper
 82 100
 128 44.6 35.8 53.6
 54 50.0 39.3 58.9



#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

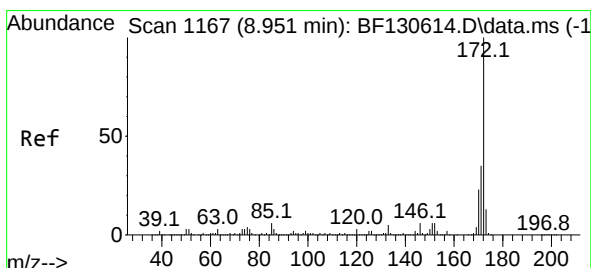
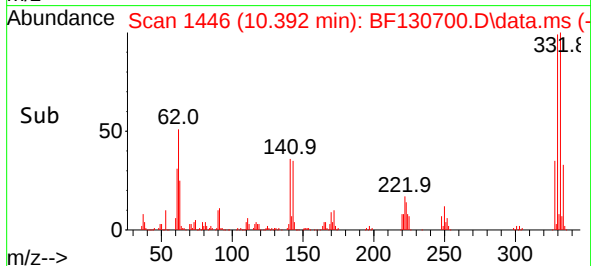
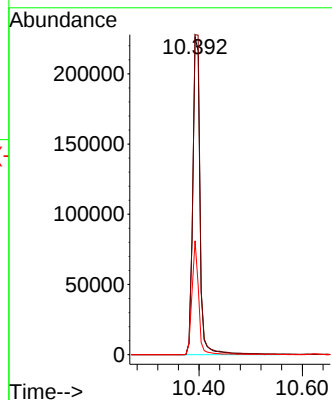
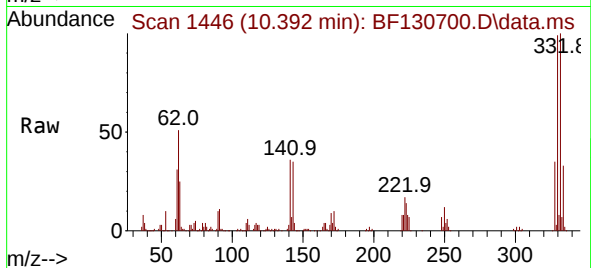
Tgt Ion:330 Resp: 219300

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

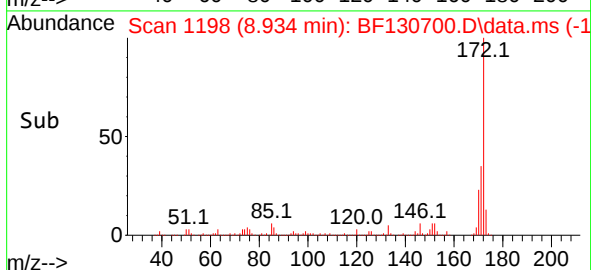
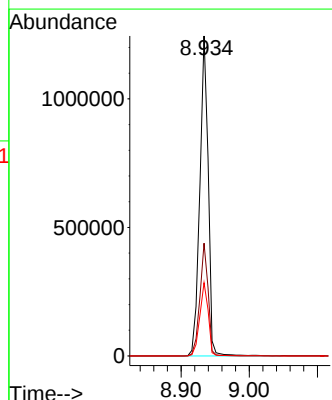
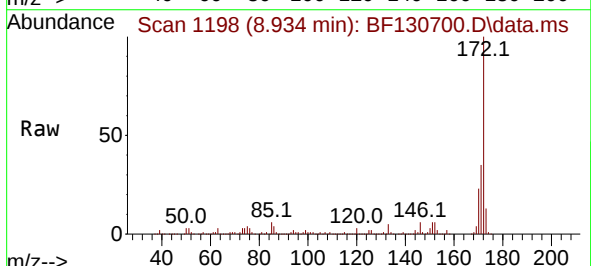
Tgt Ion:172 Resp: 1065738

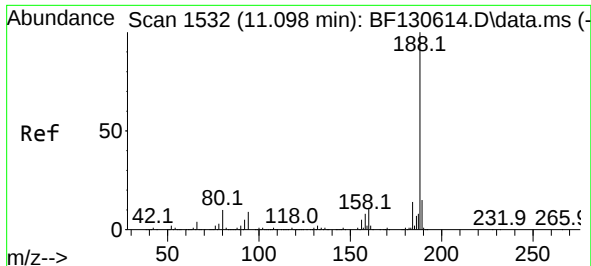
Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

170 22.9 18.6 27.8

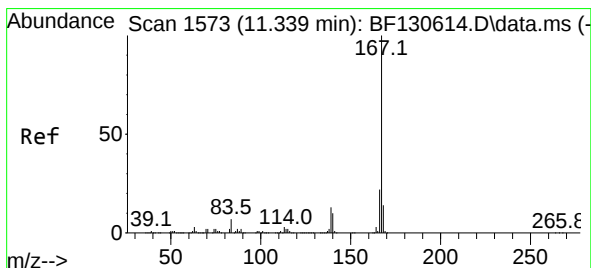
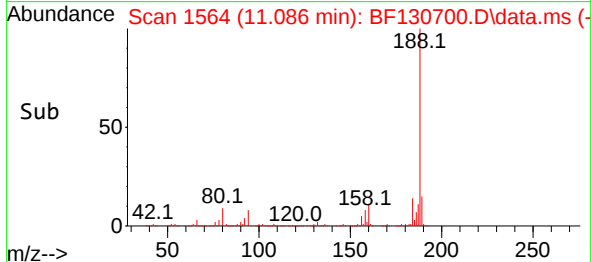
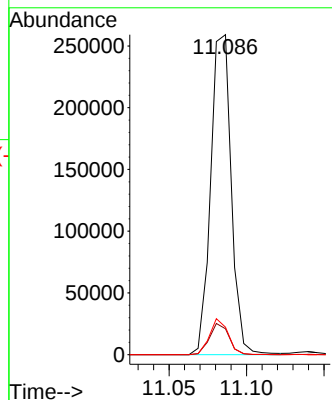
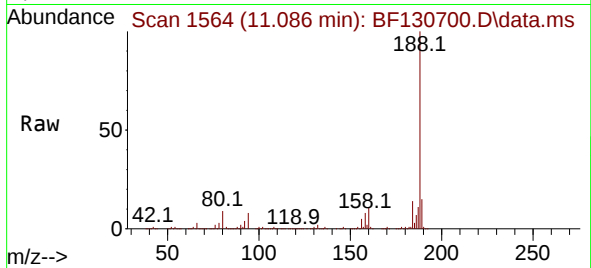




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.086 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

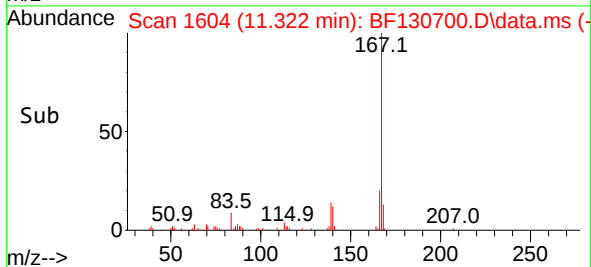
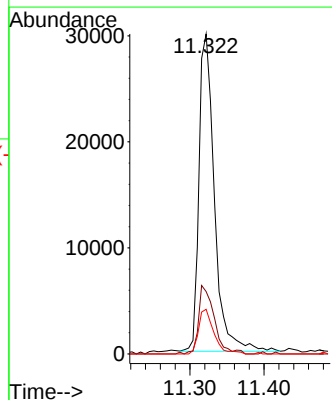
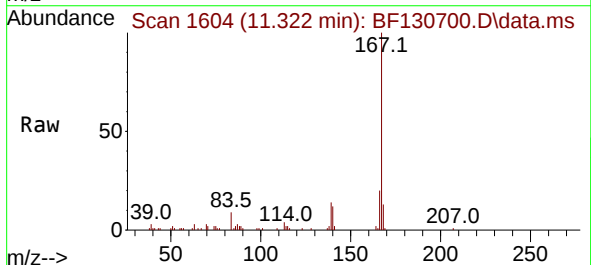
Instrument :
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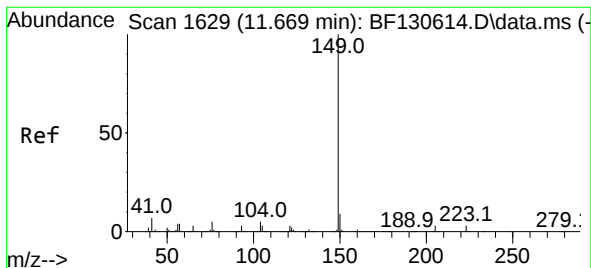
Tgt Ion:188 Resp: 239663
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.6 8.0 12.0



#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

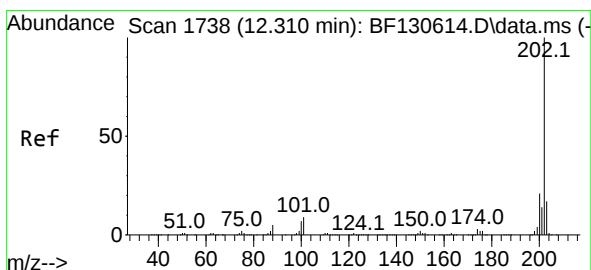
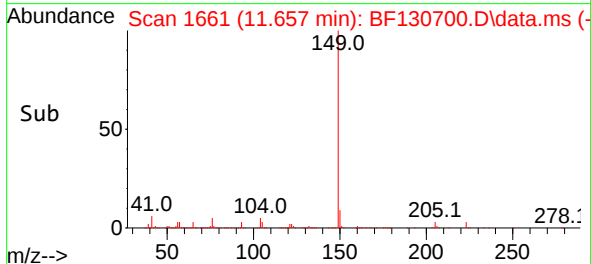
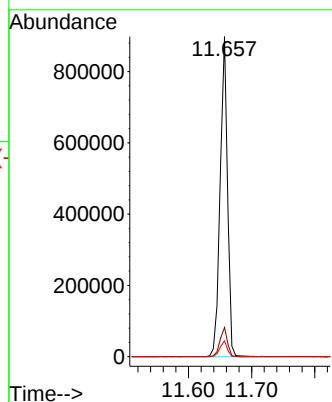
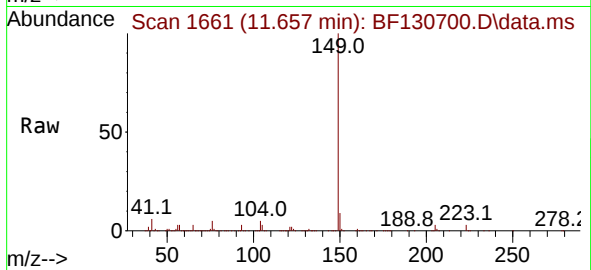
Tgt Ion:149 Resp: 719618

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

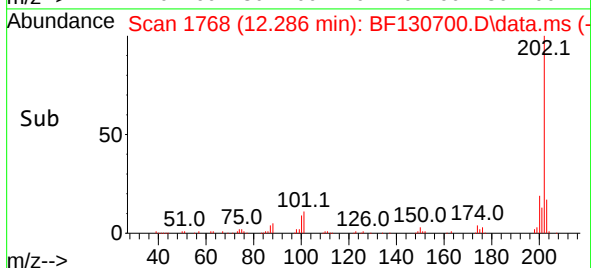
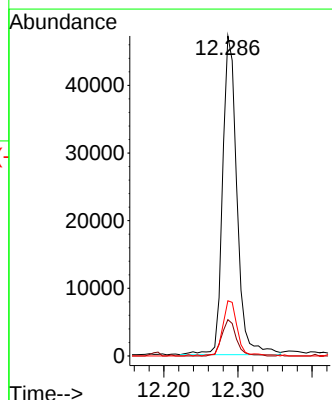
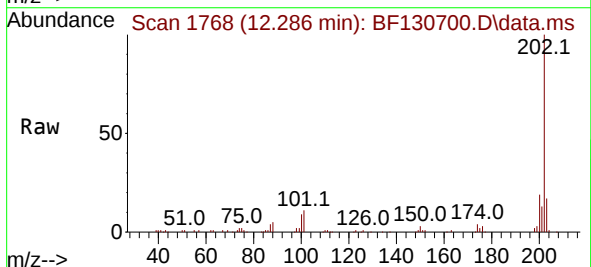
Tgt Ion:202 Resp: 63315

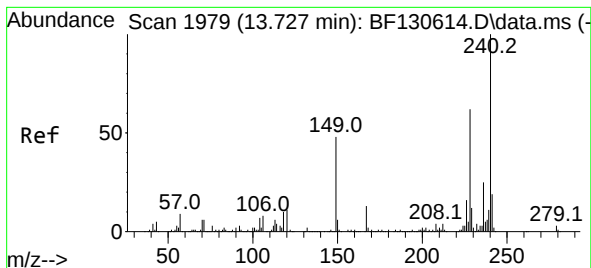
Ion Ratio Lower Upper

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

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ClientSampleId :

588A-2

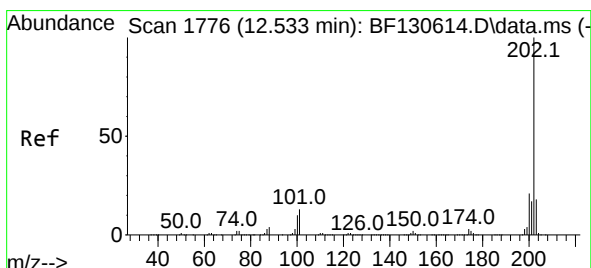
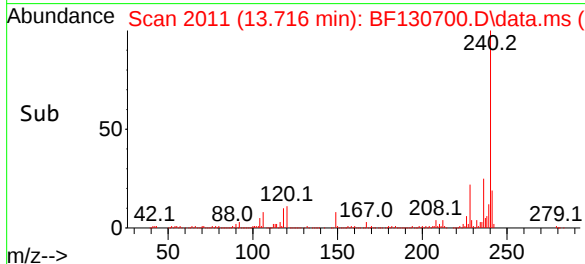
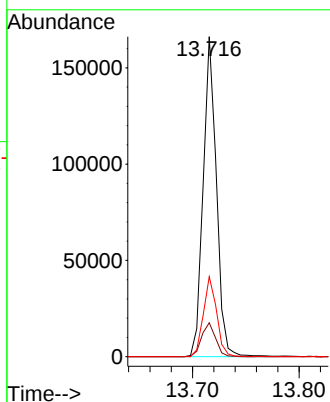
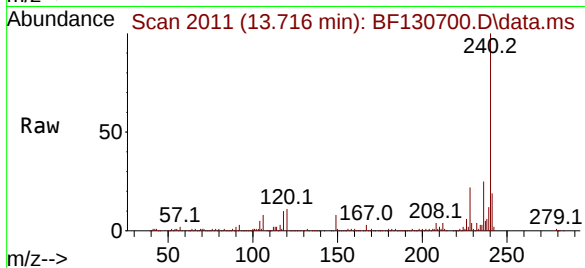
Tgt Ion:240 Resp: 144009

Ion Ratio Lower Upper

240 100

120 10.6 8.6 13.0

236 25.0 20.2 30.4



#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

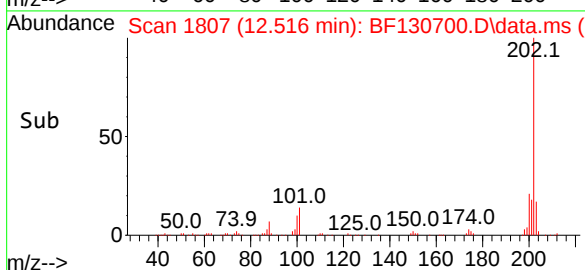
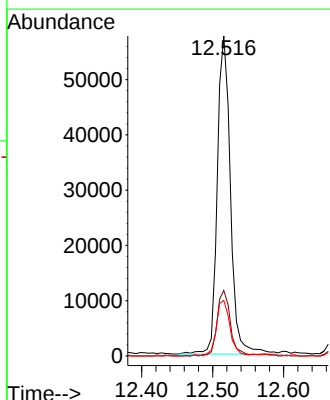
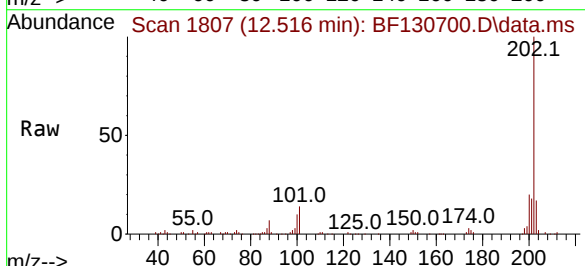
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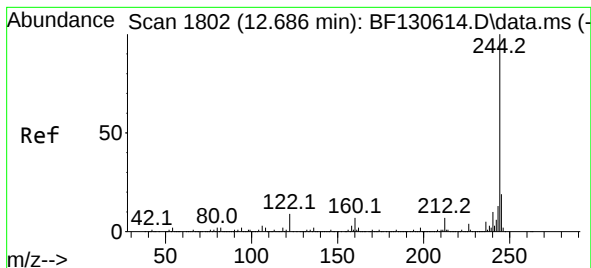
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

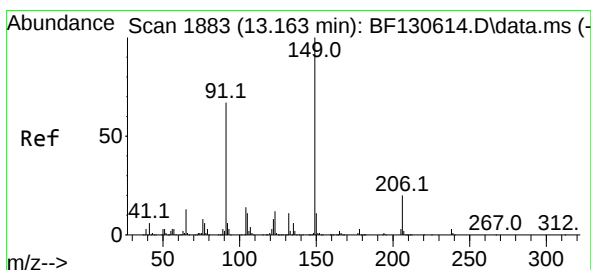
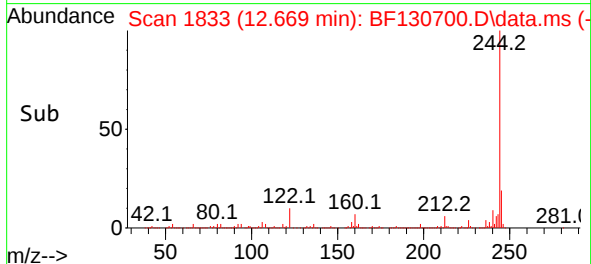
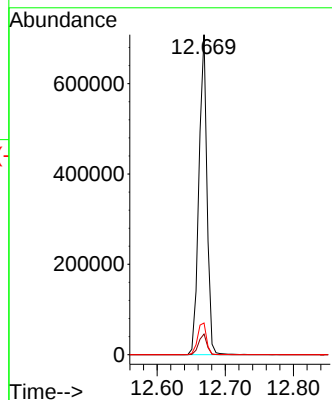
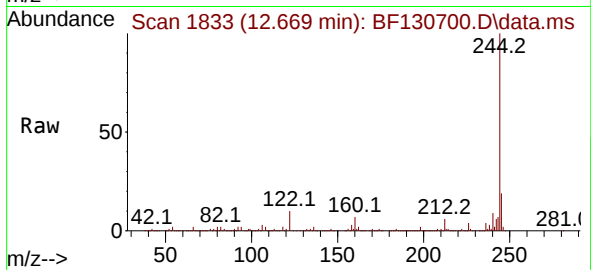
Tgt Ion:244 Resp: 580830

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

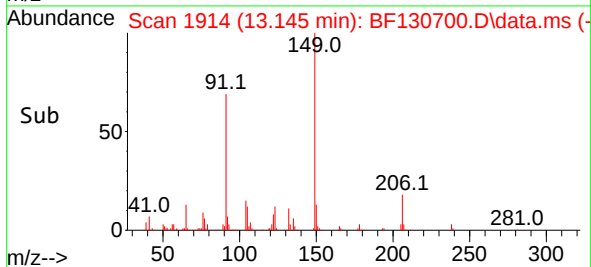
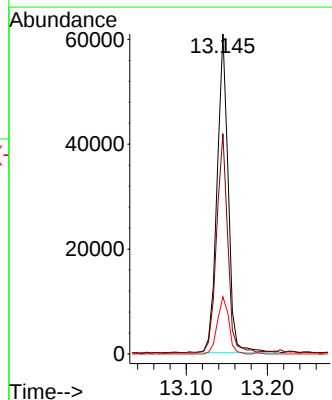
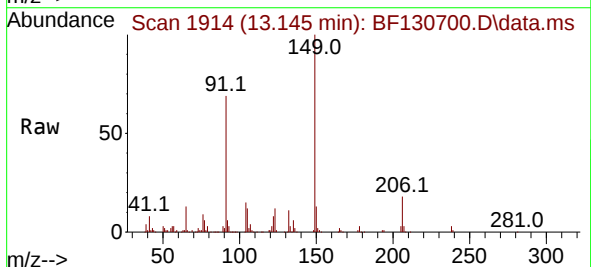
Tgt Ion:149 Resp: 58107

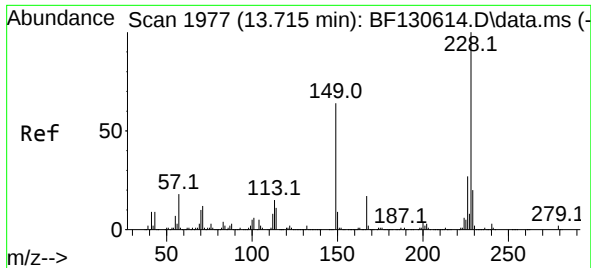
Ion Ratio Lower Upper

149 100

91 68.9 53.8 80.8

206 17.8 15.8 23.6

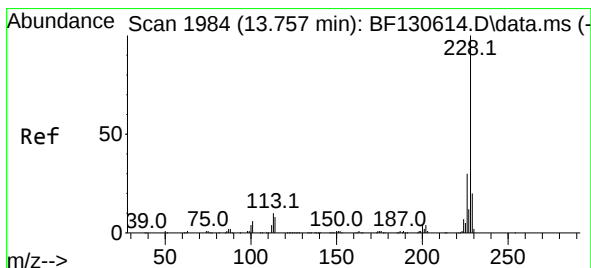
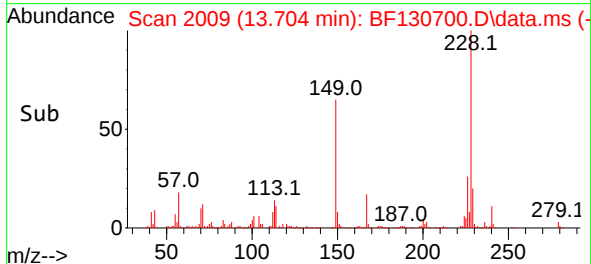
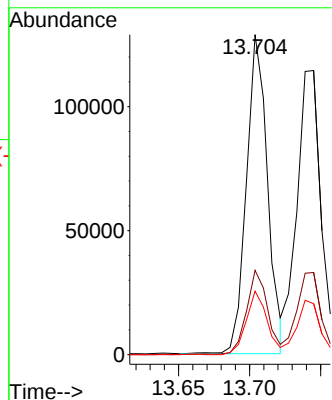
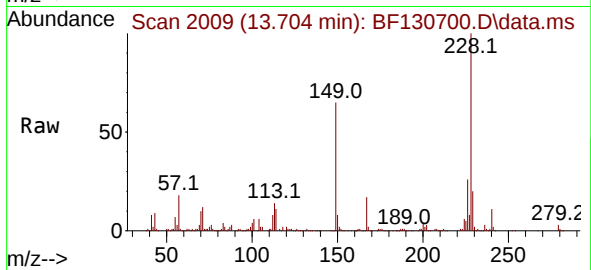




#81
Benzo(a)anthracene
Concen: 13.695 ng
RT: 13.704 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

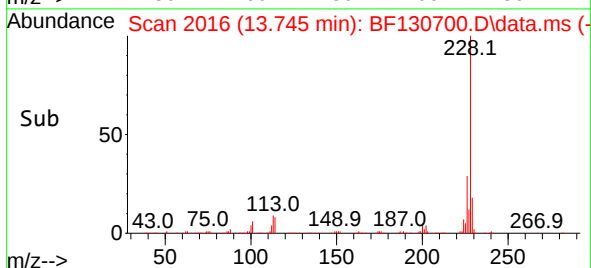
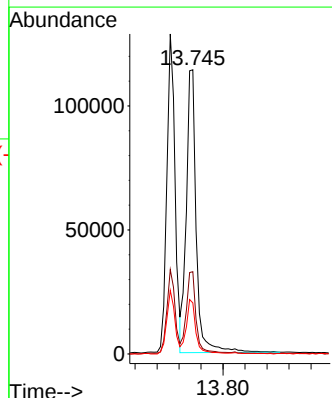
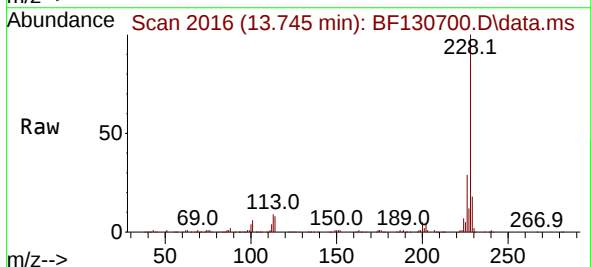
Instrument :
BNA_F
ClientSampleId :
588A-2

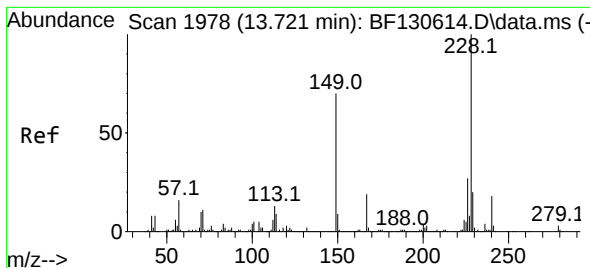
Tgt Ion:228 Resp: 132889
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.2
229 19.8 15.8 23.8



#83
Chrysene
Concen: 15.647 ng
RT: 13.745 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

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

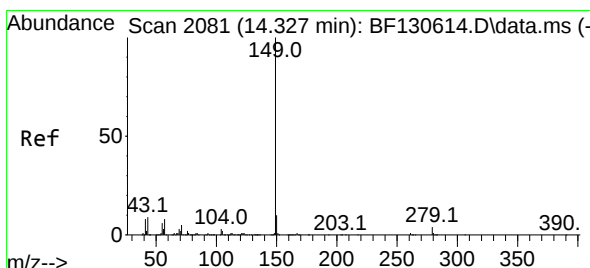
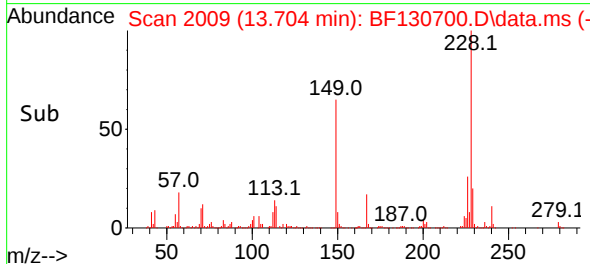
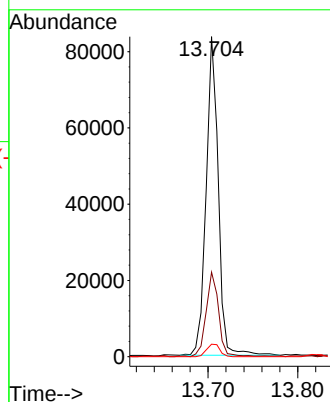
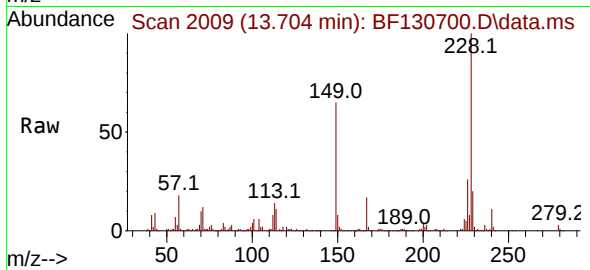




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.494 ng
RT: 13.704 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF130700.D
Acq: 18 Oct 2022 16:12

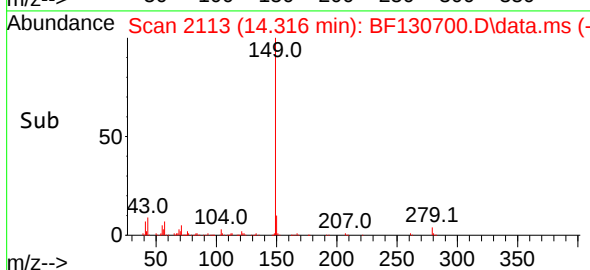
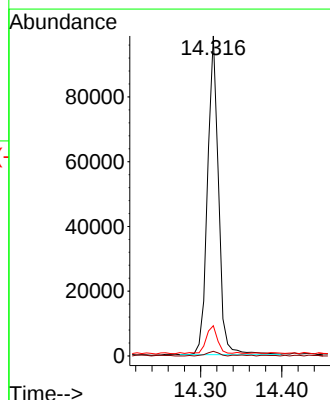
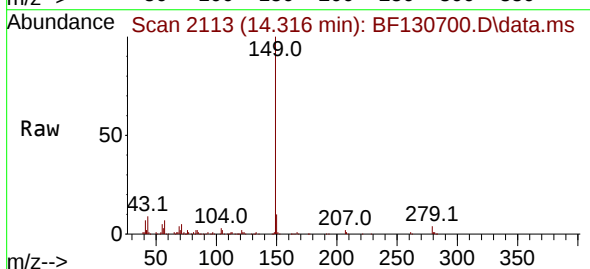
Instrument :
BNA_F
ClientSampleId :
588A-2

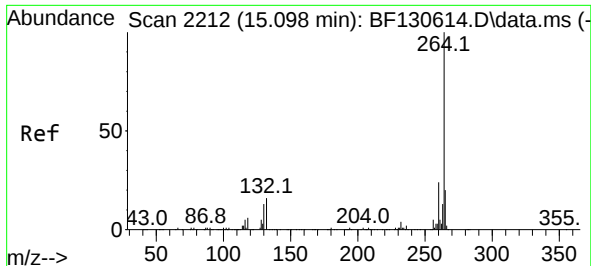
Tgt Ion:149 Resp: 78154
Ion Ratio Lower Upper
149 100
167 26.4 21.9 32.9
279 3.9 3.8 5.6



#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

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

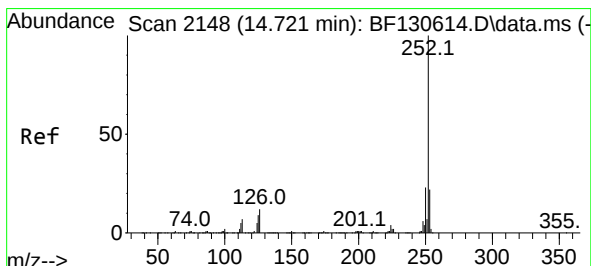
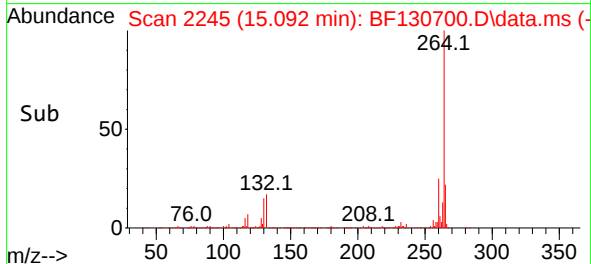
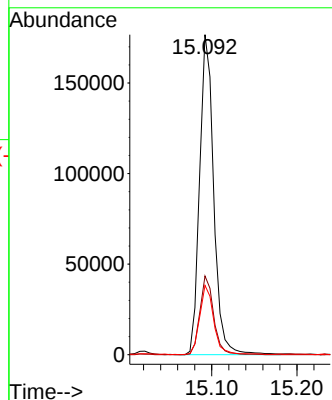
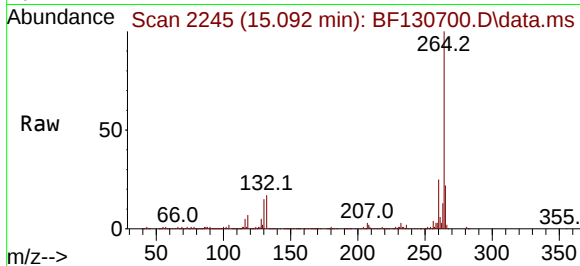




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.092 min Scan# 2181
 Delta R.T. 0.006 min
 Lab File: BF130700.D
 Acq: 18 Oct 2022 16:12

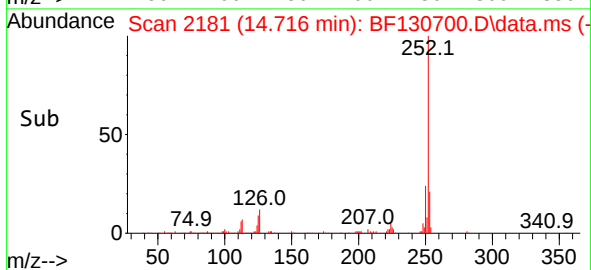
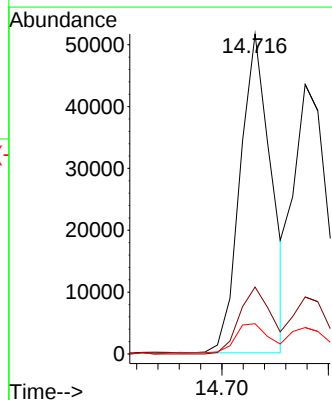
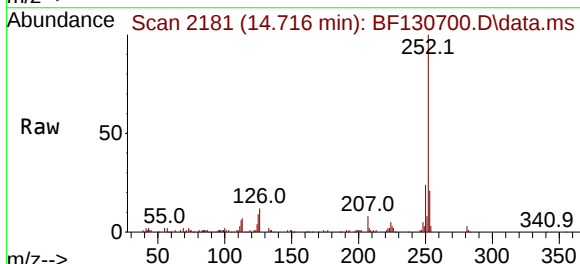
Instrument :
 BNA_F
 ClientSampleId :
 588A-2

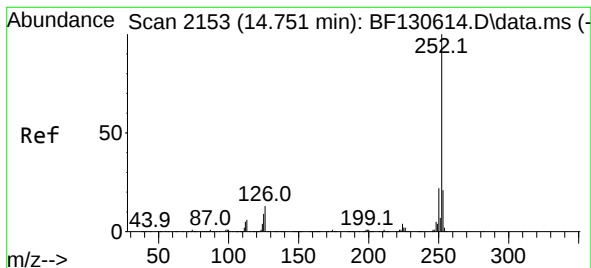
Tgt Ion:264 Resp: 203262
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.1 28.7
 265 21.6 16.4 24.6



#88
 Benzo(b)fluoranthene
 Concen: 4.068 ng
 RT: 14.716 min Scan# 2181
 Delta R.T. 0.000 min
 Lab File: BF130700.D
 Acq: 18 Oct 2022 16:12

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# 2153

Delta R.T. 0.000 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

Instrument :

BNA_F

ClientSampleId :

588A-2

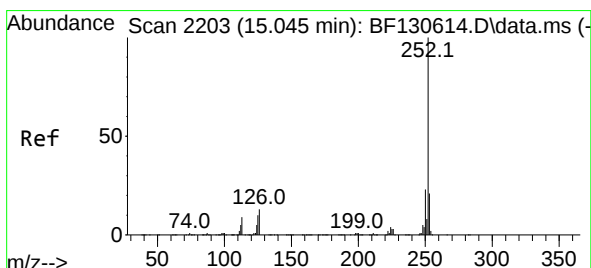
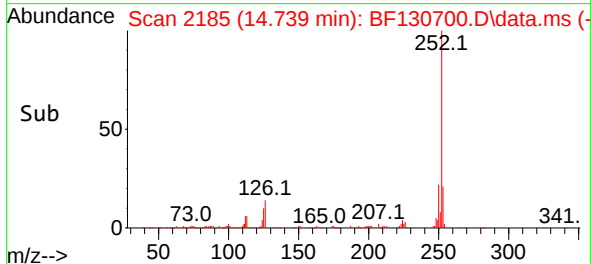
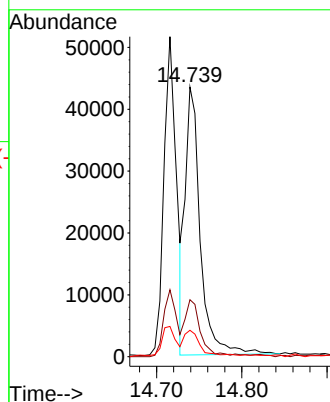
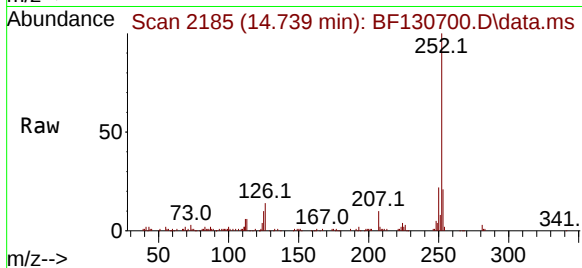
Tgt Ion:252 Resp: 53050

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# 2236

Delta R.T. 0.000 min

Lab File: BF130700.D

Acq: 18 Oct 2022 16:12

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

