

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
 Data File : BF130458.D
 Acq On : 28 Sep 2022 20:58
 Operator : CG\JU
 Sample : N4782-01DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)DL

Quant Time: Sep 29 02:18:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

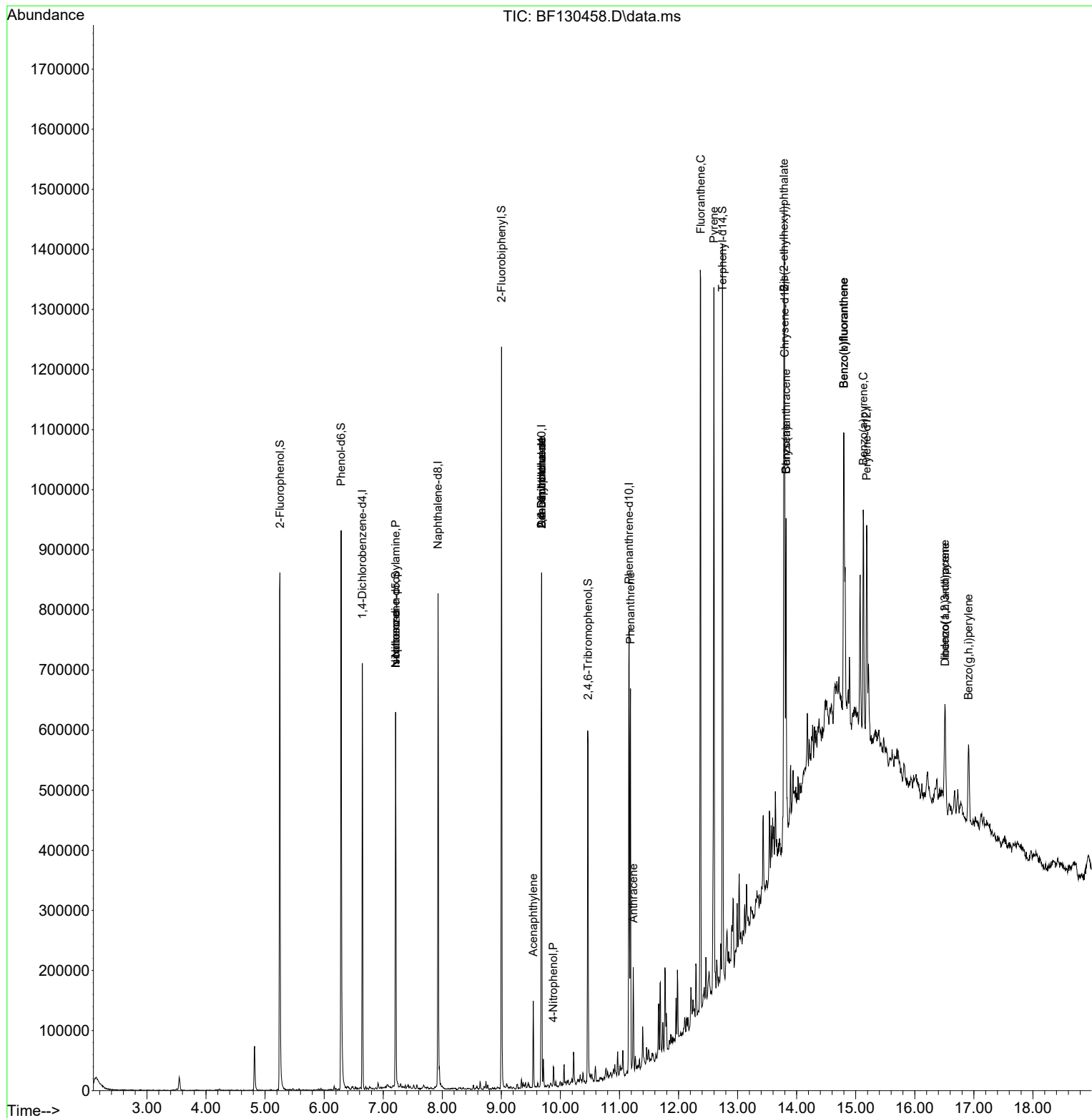
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.646	152	97412	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	331910	20.000	ng	0.00
39) Acenaphthene-d10	9.681	164	158184	20.000	ng	0.00
64) Phenanthrene-d10	11.163	188	274069	20.000	ng	0.00
76) Chrysene-d12	13.798	240	199141	20.000	ng	0.00
86) Perylene-d12	15.186	264	148918	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	259115	46.137	ng	0.00
7) Phenol-d6	6.287	99	304002	43.261	ng	0.00
23) Nitrobenzene-d5	7.210	82	171032	26.326	ng	0.00
42) 2,4,6-Tribromophenol	10.469	330	73057	48.200	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	319431	29.406	ng	0.00
79) Terphenyl-d14	12.745	244	362271	30.134	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.210	70	22965	4.843	ng	# 77
25) Isophorone	7.210	82	170972	16.328	ng	# 66
49) Acenaphthylene	9.539	152	55942	3.904	ng	99
50) Dimethylphthalate	9.681	163	30635	2.804	ng	# 1
51) 2,6-Dinitrotoluene	9.681	165	20491	8.967	ng	# 16
56) 4-Nitrophenol	9.881	139	4062	2.190	ng	# 1
57) 2,4-Dinitrotoluene	9.681	165	20491	7.016	ng	# 16
71) Phenanthrene	11.186	178	226797	14.739	ng	99
72) Anthracene	11.233	178	59525	4.009	ng	98
75) Fluoranthene	12.375	202	515339	34.659	ng	95
78) Pyrene	12.598	202	451177	25.899	ng	99
81) Benzo(a)anthracene	13.822	228	200638	15.145	ng	95
83) Chrysene	13.822	228	200638	15.950	ng	97
84) Bis(2-ethylhexyl)phtha...	13.786	149	90226	12.205	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.510	276	113535	10.751	ng	# 94
88) Benzo(b)fluoranthene	14.798	252	316814	32.595	ng	97
89) Benzo(k)fluoranthene	14.798	252	316814	33.135	ng	97
90) Benzo(a)pyrene	15.127	252	151790	19.712	ng	94
91) Dibenzo(a,h)anthracene	16.515	278	28712	3.314	ng	# 80
92) Benzo(g,h,i)perylene	16.910	276	112641	12.907	ng	99

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

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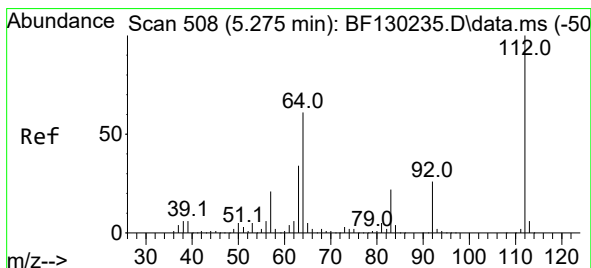
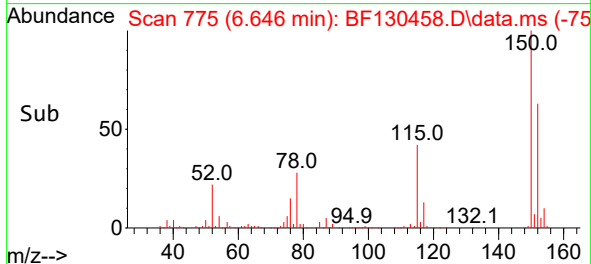
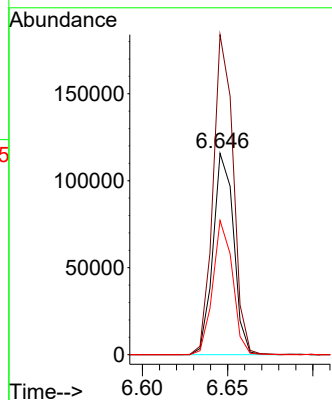
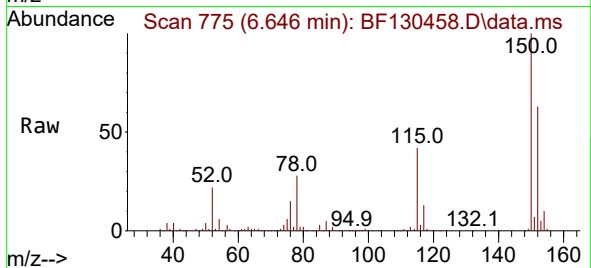




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.646 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: BF130458.D
 Acq: 28 Sep 2022 20:58

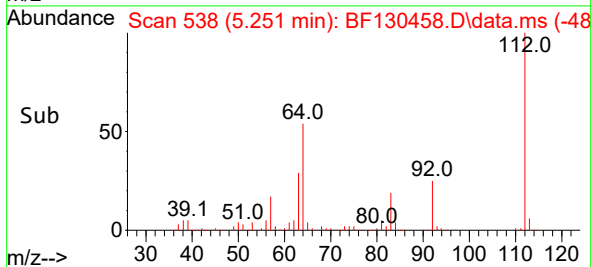
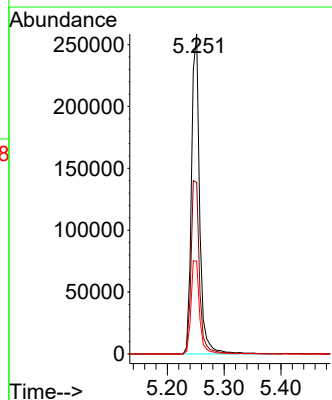
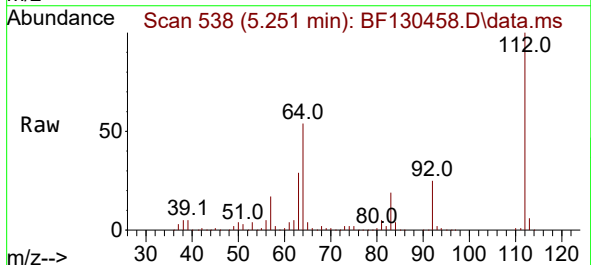
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)DL

Tgt Ion:152 Resp: 97412
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.8 184.2
 115 66.7 53.8 80.8



#5
 2-Fluorophenol
 Concen: 46.137 ng
 RT: 5.251 min Scan# 538
 Delta R.T. 0.006 min
 Lab File: BF130458.D
 Acq: 28 Sep 2022 20:58

Tgt Ion:112 Resp: 259115
 Ion Ratio Lower Upper
 112 100
 64 53.6 51.4 77.0
 63 29.0 28.8 43.2

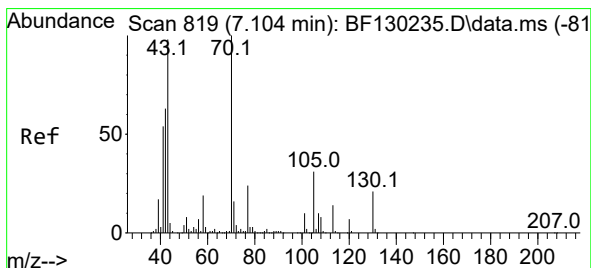
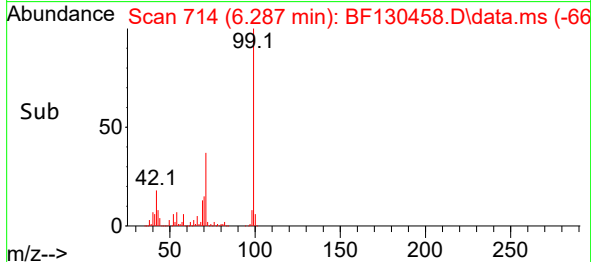
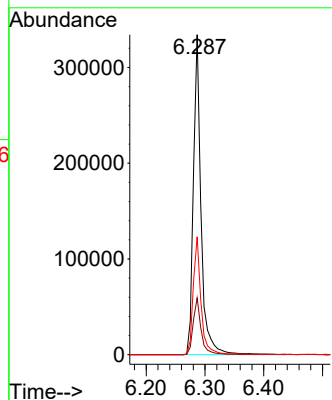
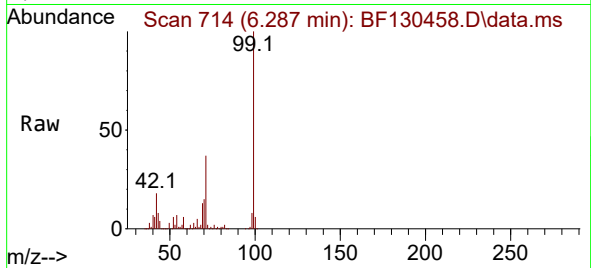




#7
Phenol-d6
Concen: 43.261 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

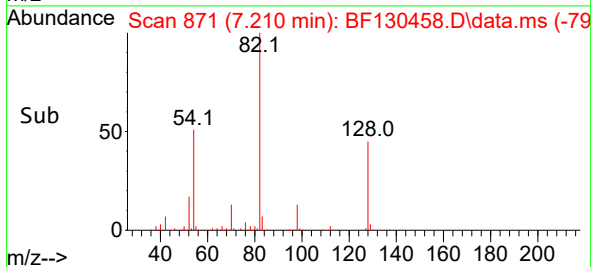
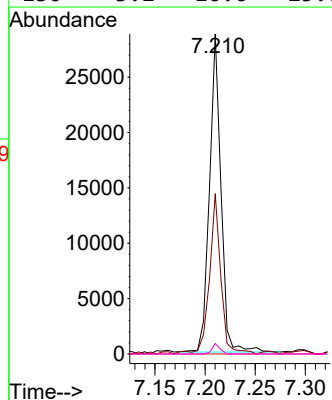
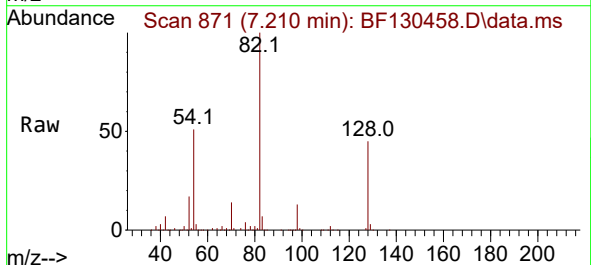
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

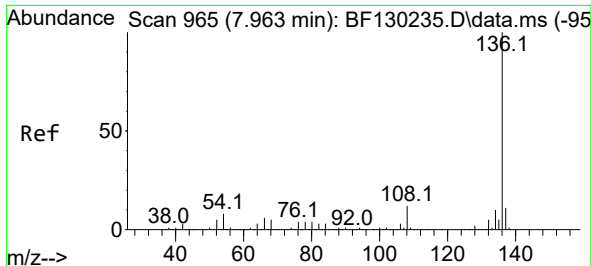
Tgt Ion: 99 Resp: 304002
Ion Ratio Lower Upper
99 100
42 17.7 17.0 25.6
71 36.9 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.843 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion: 70 Resp: 22965
Ion Ratio Lower Upper
70 100
42 50.1 50.8 76.2#
101 0.0 8.2 12.4#
130 3.2 16.6 25.0#

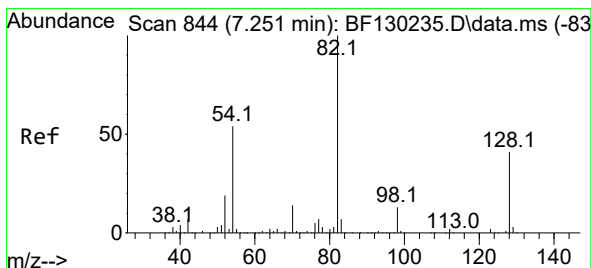
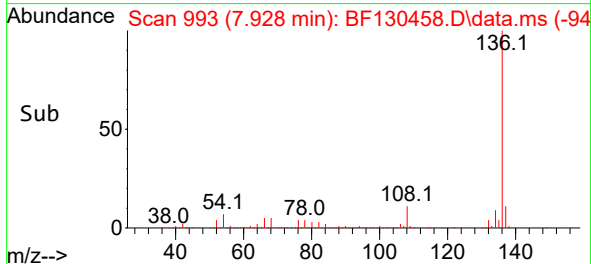
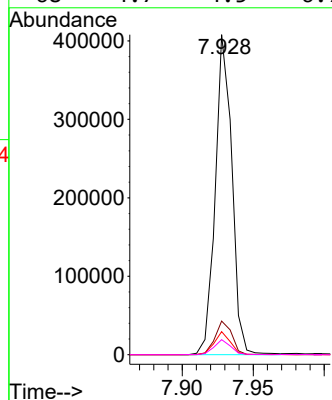
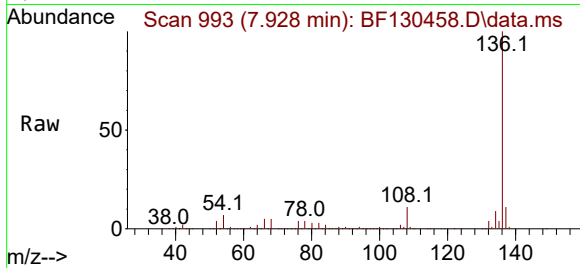




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

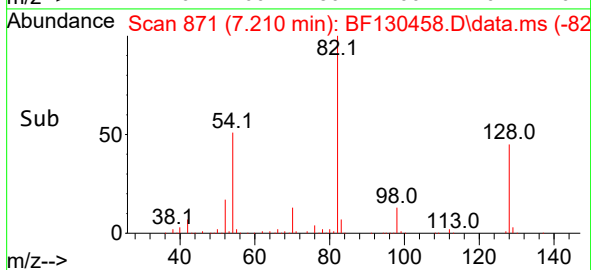
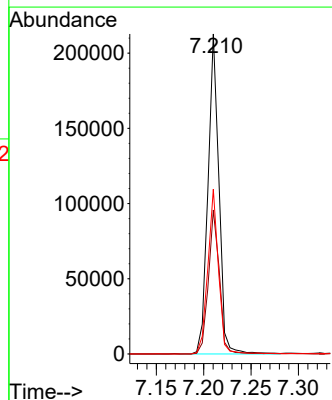
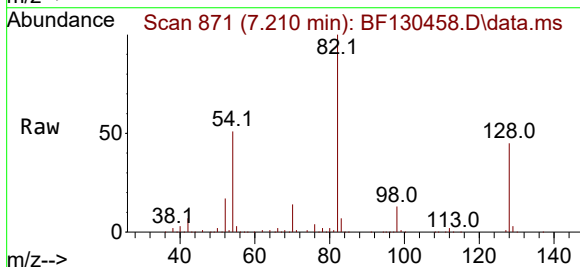
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

Tgt Ion:	136	Resp:	331910
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	7.2	7.1	10.7
68	4.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 26.326 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion:	82	Resp:	171032
Ion Ratio	Lower	Upper	
82	100		
128	45.0	32.6	49.0
54	51.5	43.8	65.6

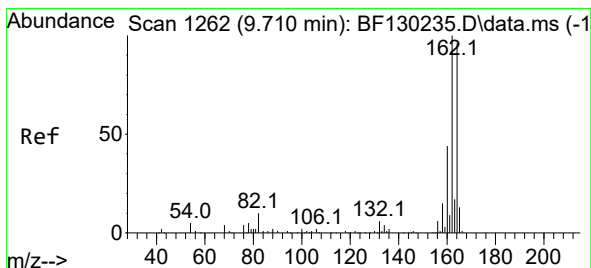
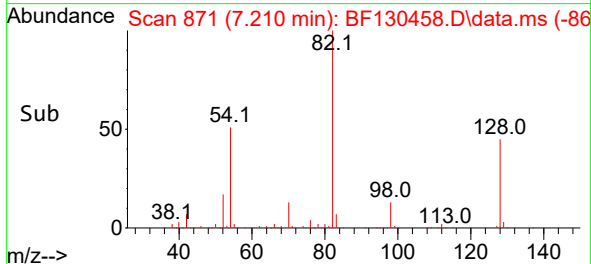
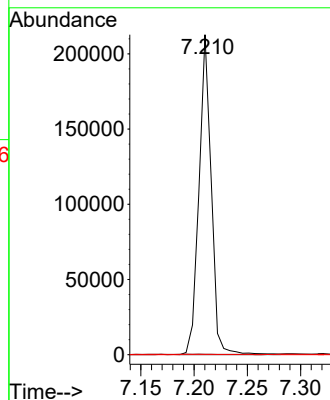
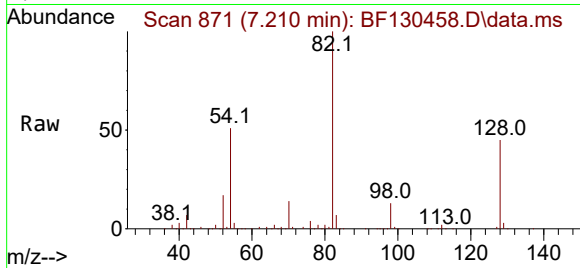




#25
Isophorone
Concen: 16.328 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

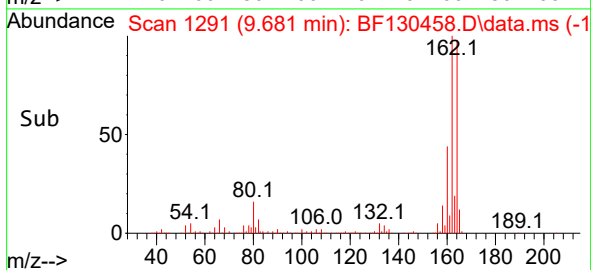
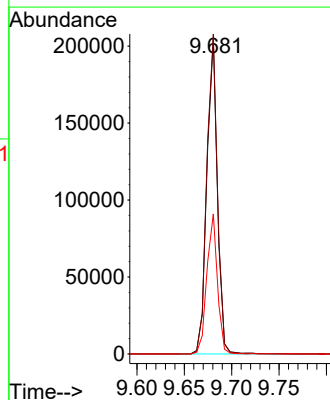
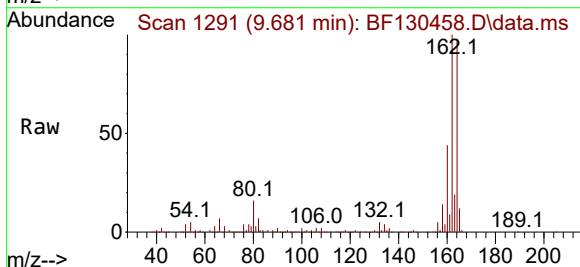
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

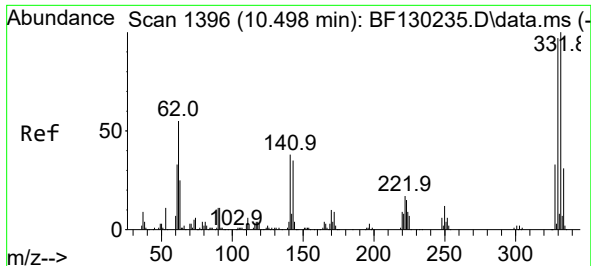
Tgt Ion: 82 Resp: 170972
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.681 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion: 164 Resp: 158184
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 48.200 ng

RT: 10.469 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL

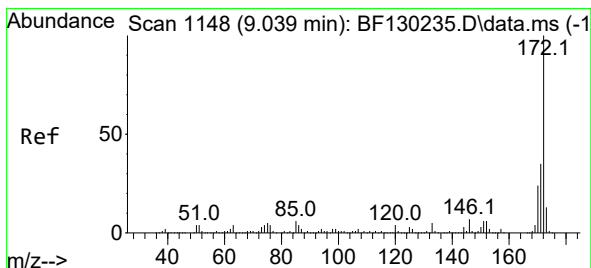
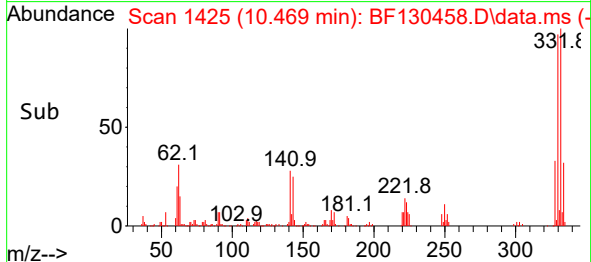
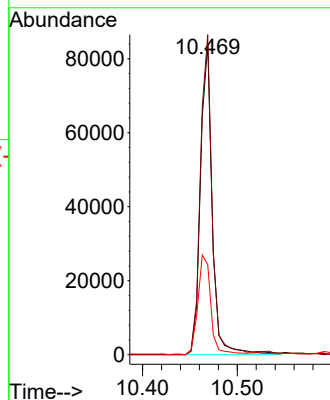
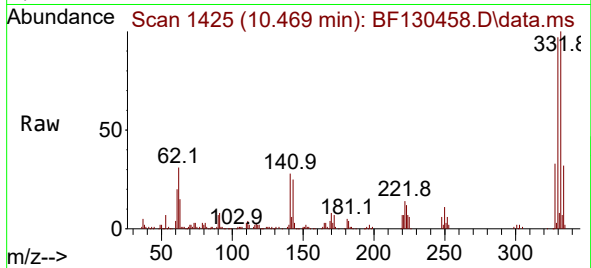
Tgt Ion:330 Resp: 73057

Ion Ratio Lower Upper

330 100

332 101.7 83.4 125.2

141 35.2 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 29.406 ng

RT: 9.004 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

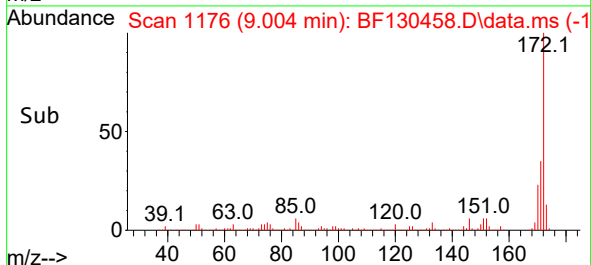
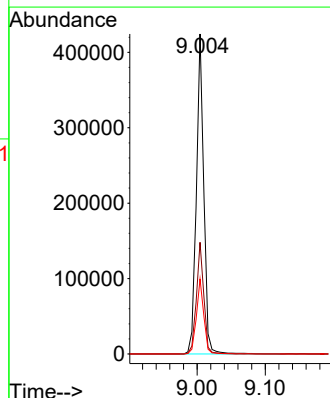
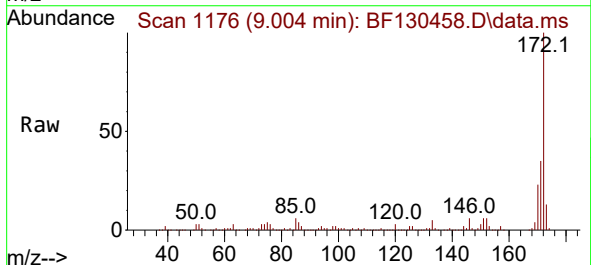
Tgt Ion:172 Resp: 319431

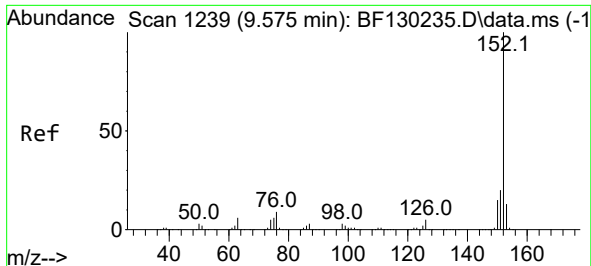
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 18.7 28.1





#49

Acenaphthylene

Concen: 3.904 ng

RT: 9.539 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL

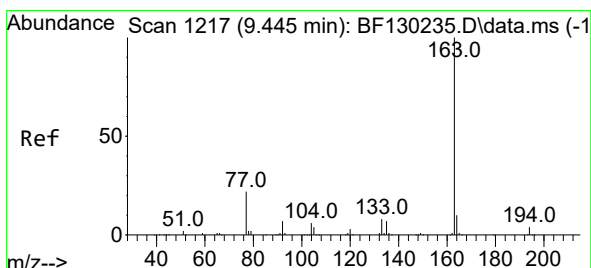
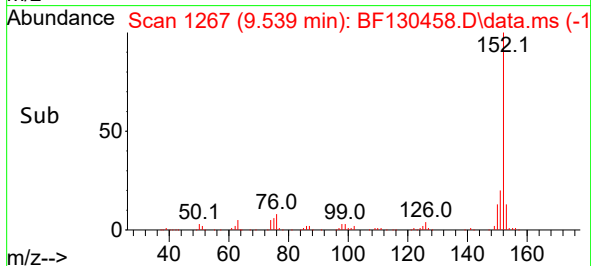
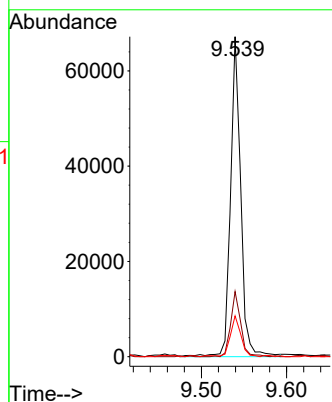
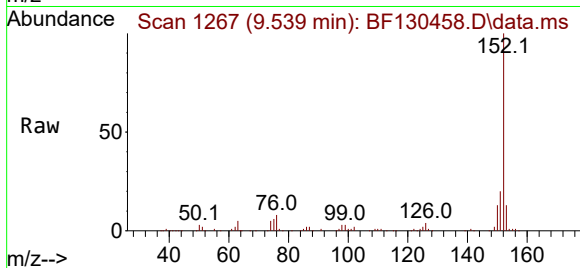
Tgt Ion:152 Resp: 55942

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 12.8 10.6 15.8



#50

Dimethylphthalate

Concen: 2.804 ng

RT: 9.681 min Scan# 1291

Delta R.T. 0.265 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

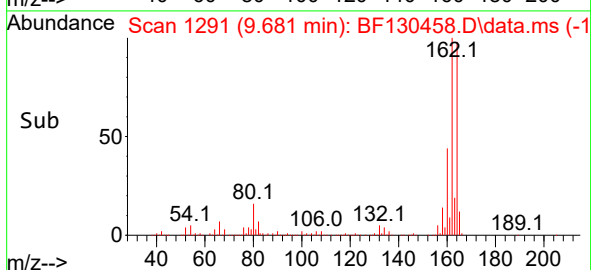
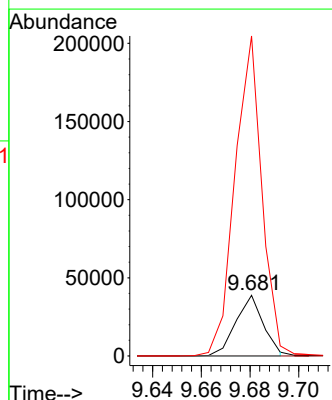
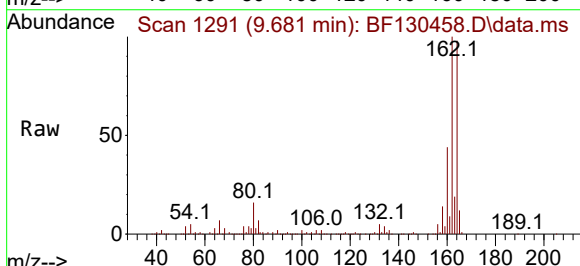
Tgt Ion:163 Resp: 30635

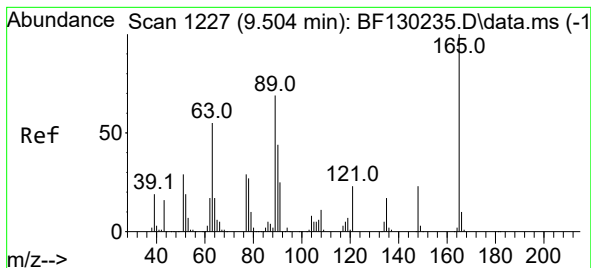
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 526.9 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 8.967 ng

RT: 9.681 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

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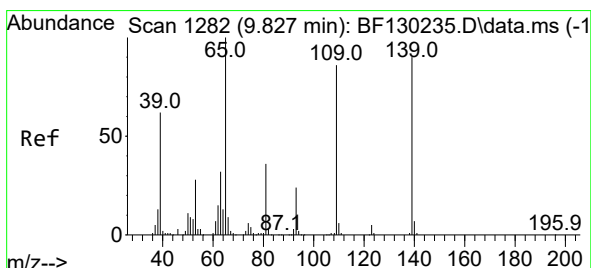
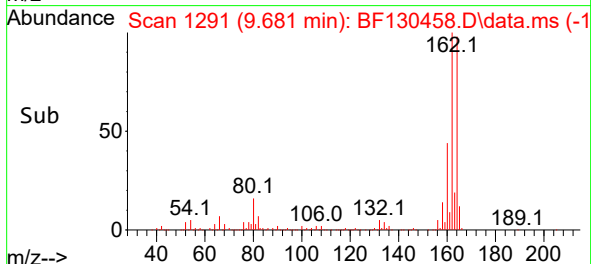
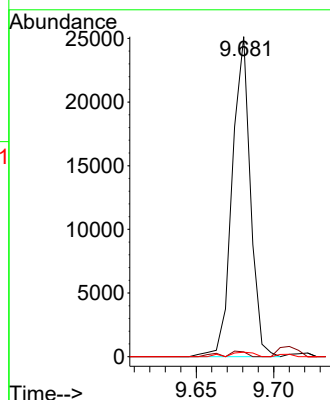
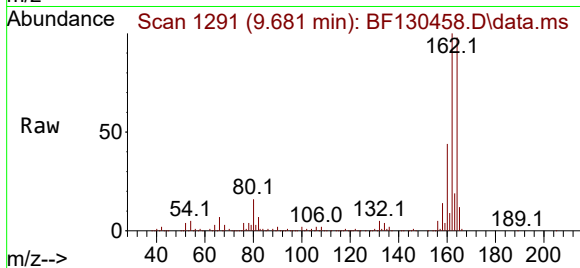
Tgt Ion:165 Resp: 20491

Ion Ratio Lower Upper

165 100

63 1.5 58.8 88.2#

89 1.4 54.5 81.7#



#56

4-Nitrophenol

Concen: 2.190 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.071 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

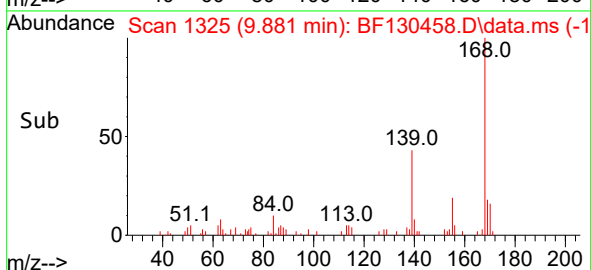
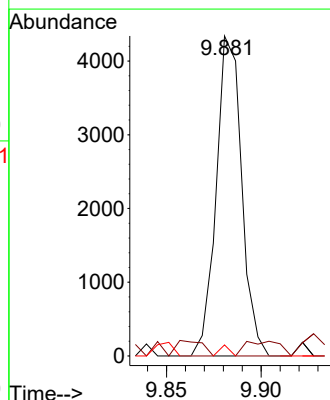
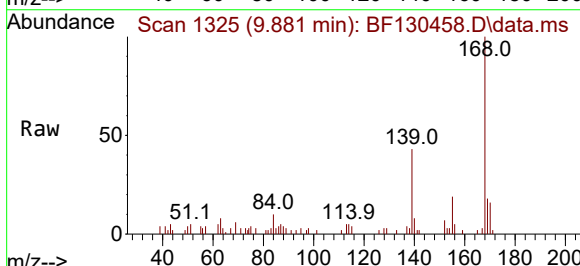
Tgt Ion:139 Resp: 4062

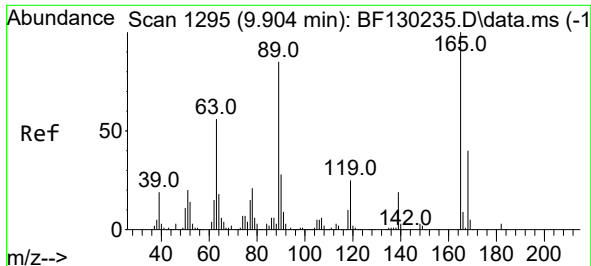
Ion Ratio Lower Upper

139 100

109 0.0 72.2 112.2#

65 3.5 97.7 137.7#





#57

2,4-Dinitrotoluene

Concen: 7.016 ng

RT: 9.681 min Scan# 1291

Delta R.T. -0.194 min

Lab File: BF130458.D

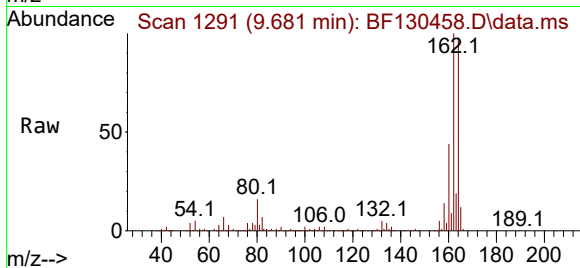
Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL



Tgt Ion:165 Resp: 20491

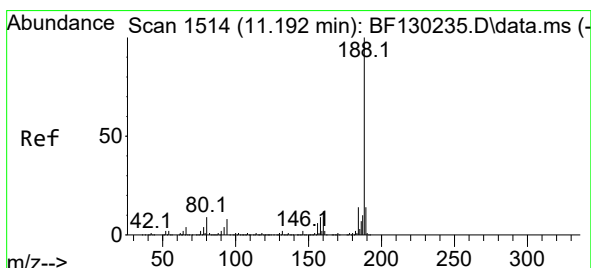
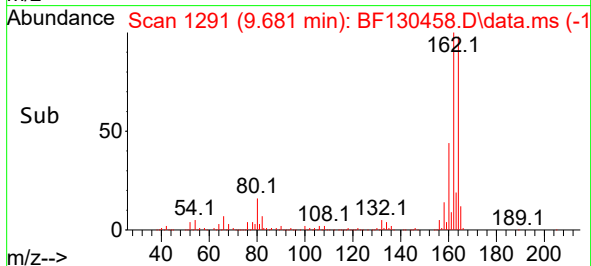
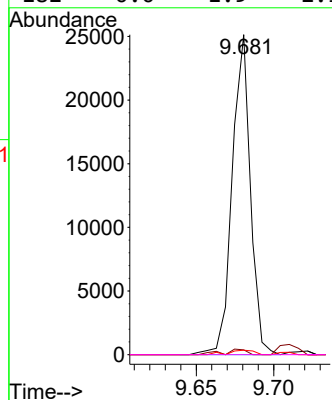
Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

89 1.4 69.0 103.4#

182 0.0 1.9 2.9#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.163 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

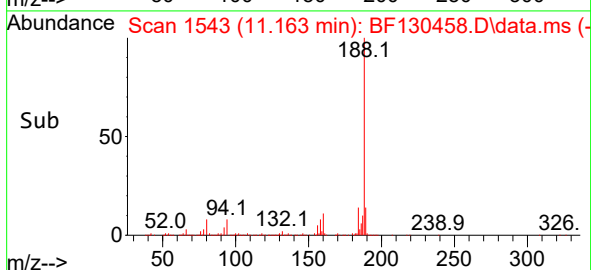
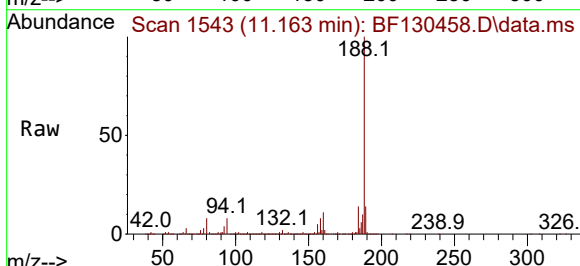
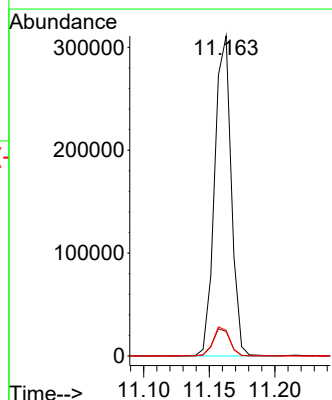
Tgt Ion:188 Resp: 274069

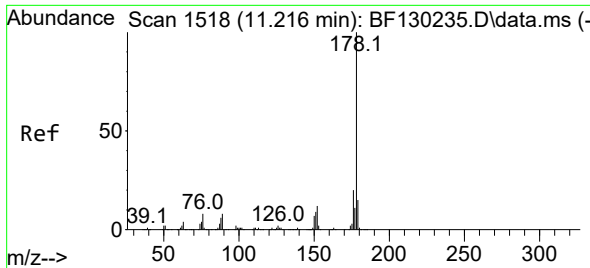
Ion Ratio Lower Upper

188 100

94 7.7 7.4 11.2

80 8.0 7.9 11.9

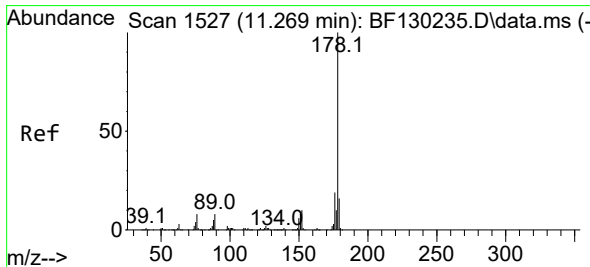
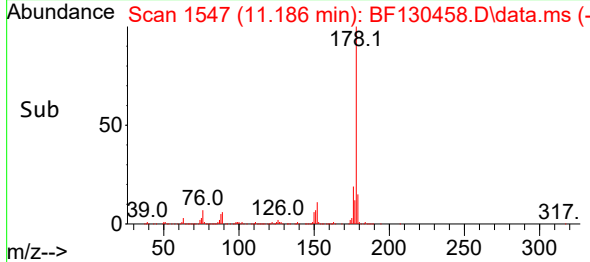
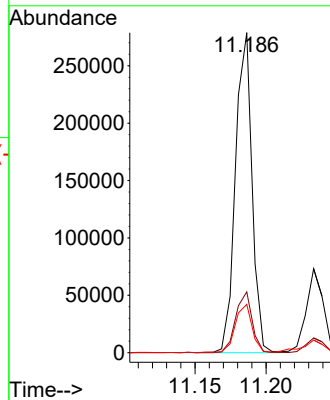
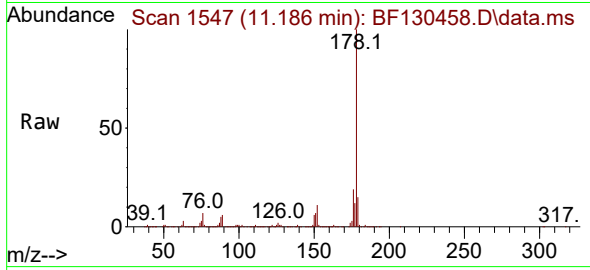




#71
Phenanthrene
Concen: 14.739 ng
RT: 11.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

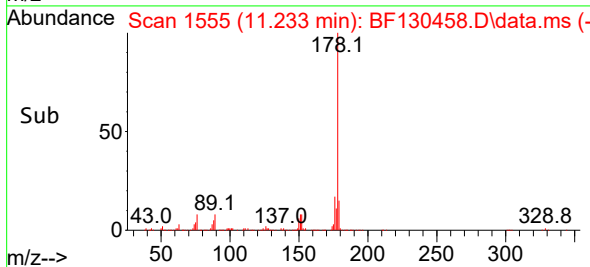
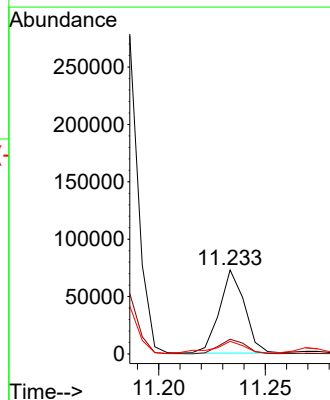
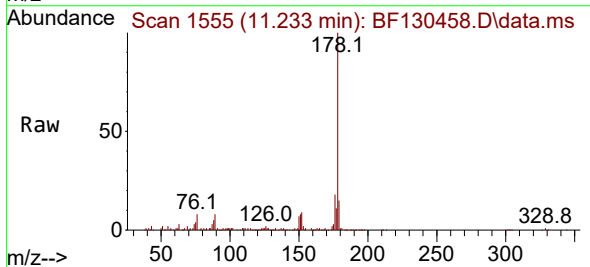
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

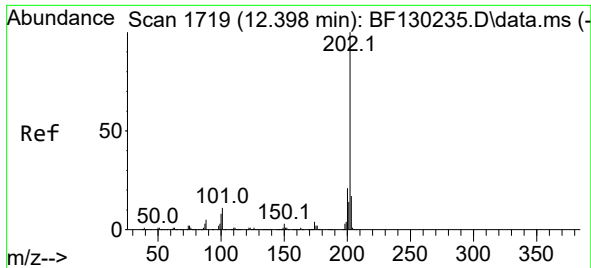
Tgt Ion:178 Resp: 226797
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.1 12.4 18.6



#72
Anthracene
Concen: 4.009 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion:178 Resp: 59525
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.6
179 15.1 12.7 19.1

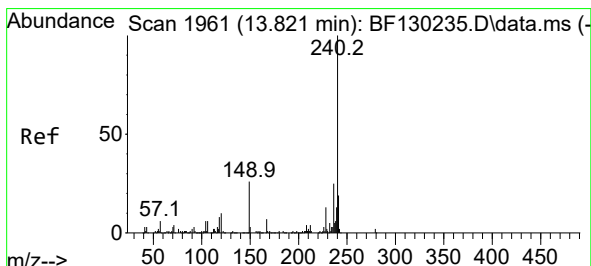
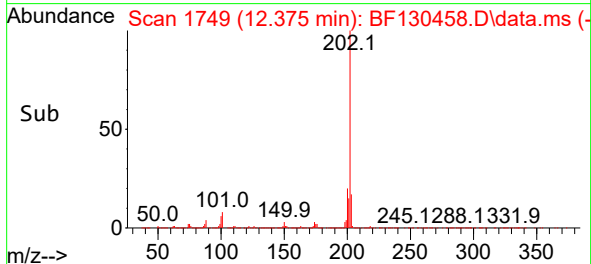
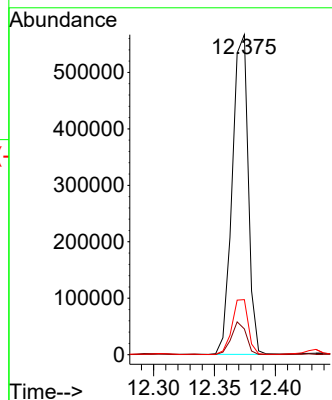
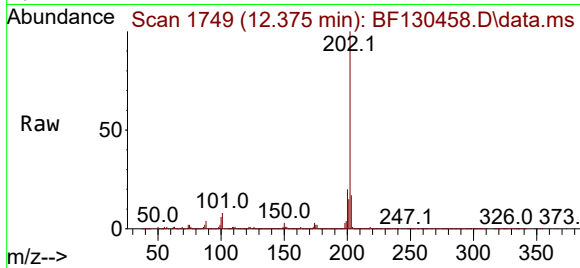




#75
Fluoranthene
Concen: 34.659 ng
RT: 12.375 min Scan# 1719
Delta R.T. 0.006 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

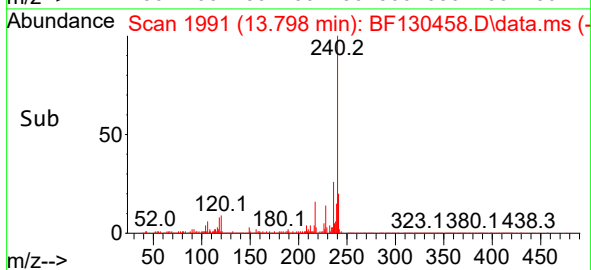
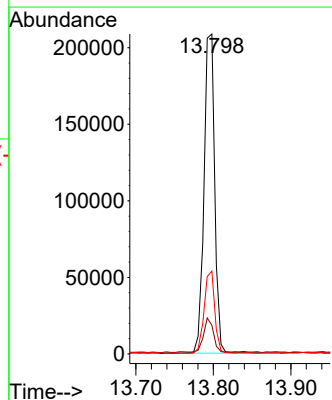
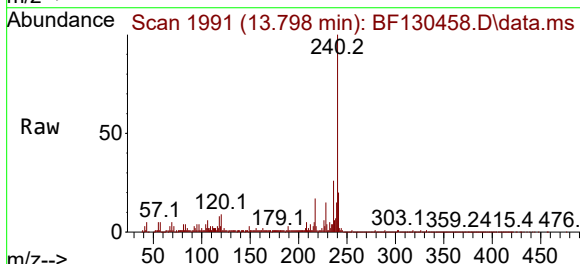
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

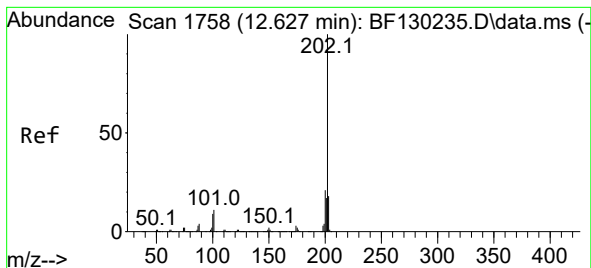
Tgt Ion:202 Resp: 515339
Ion Ratio Lower Upper
202 100
101 8.0 0.0 31.8
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion:240 Resp: 199141
Ion Ratio Lower Upper
240 100
120 9.0 8.7 13.1
236 25.9 20.9 31.3





#78

Pyrene

Concen: 25.899 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL

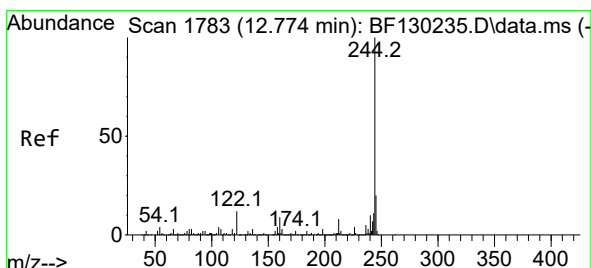
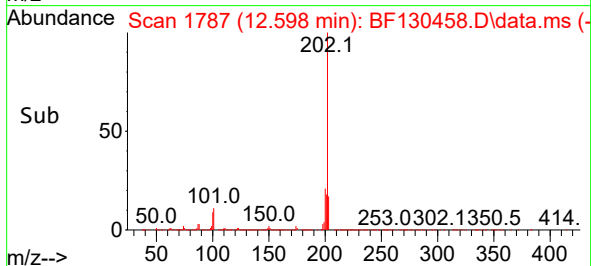
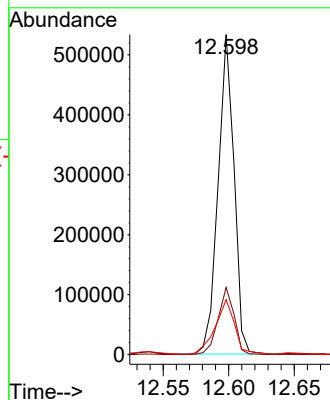
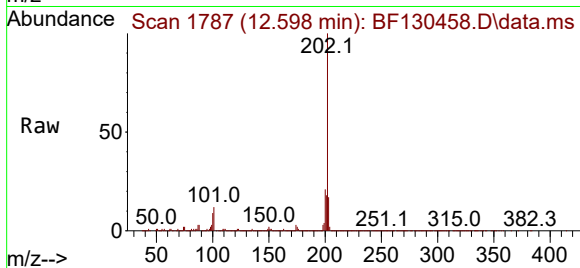
Tgt Ion:202 Resp: 451177

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.2 14.3 21.5



#79

Terphenyl-d14

Concen: 30.134 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.000 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

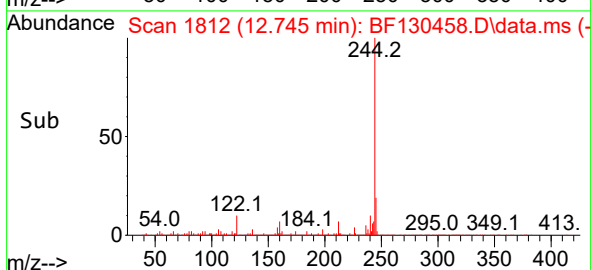
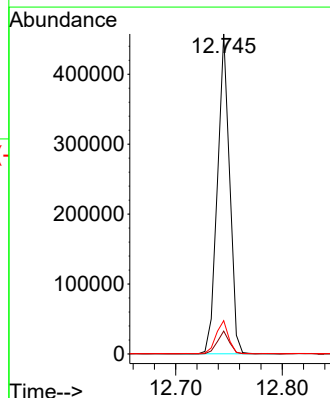
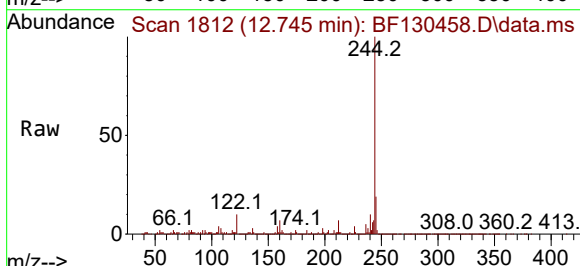
Tgt Ion:244 Resp: 362271

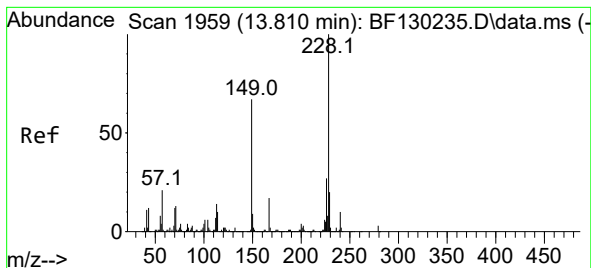
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.4 8.5 12.7





#81

Benzo(a)anthracene

Concen: 15.145 ng

RT: 13.822 min Scan# 1995

Delta R.T. 0.041 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL

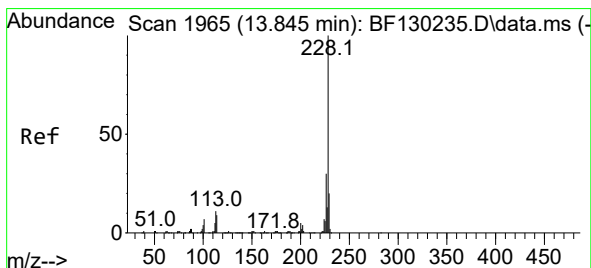
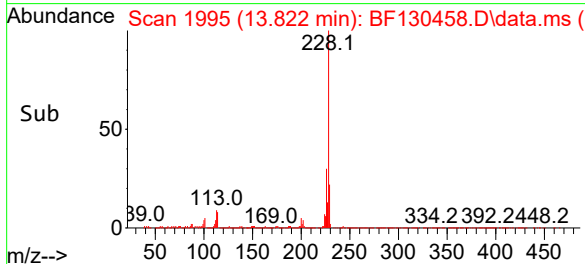
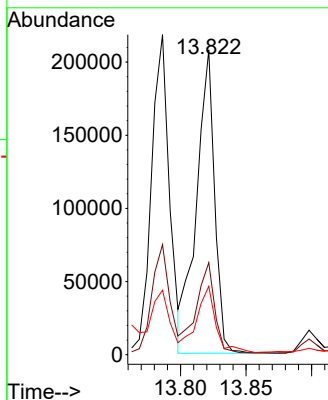
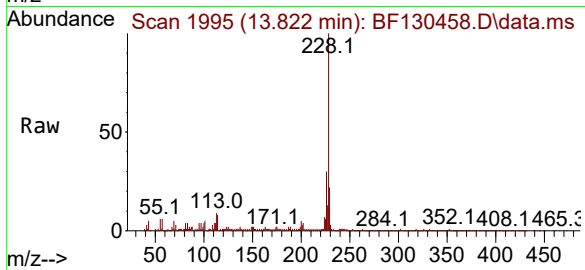
Tgt Ion:228 Resp: 200638

Ion Ratio Lower Upper

228 100

226 30.2 21.9 32.9

229 22.4 16.1 24.1



#83

Chrysene

Concen: 15.950 ng

RT: 13.822 min Scan# 1995

Delta R.T. 0.006 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

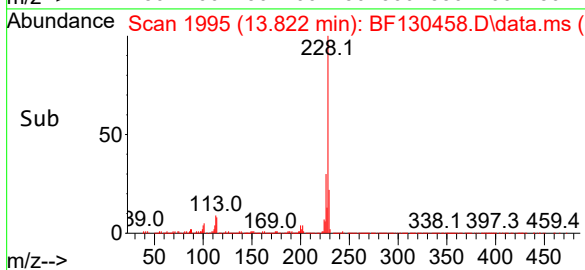
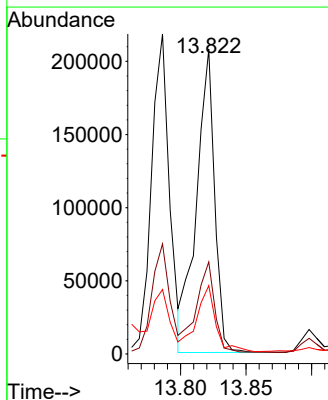
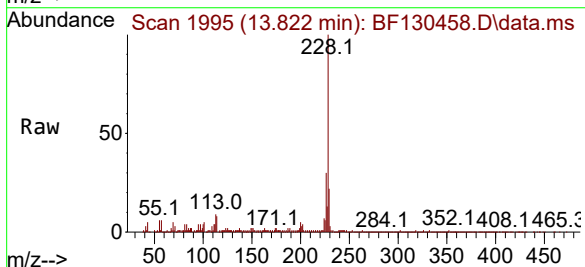
Tgt Ion:228 Resp: 200638

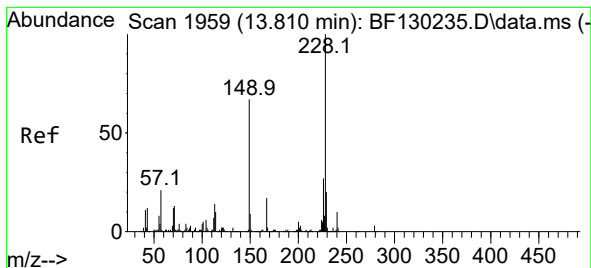
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 22.4 15.3 22.9

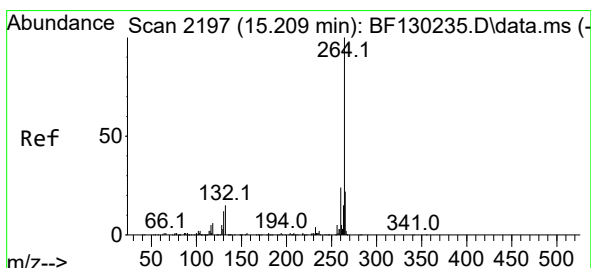
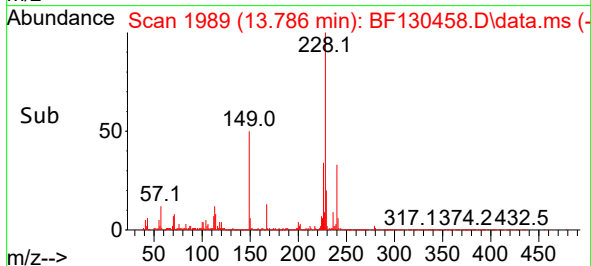
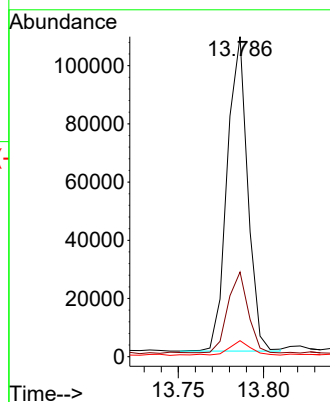
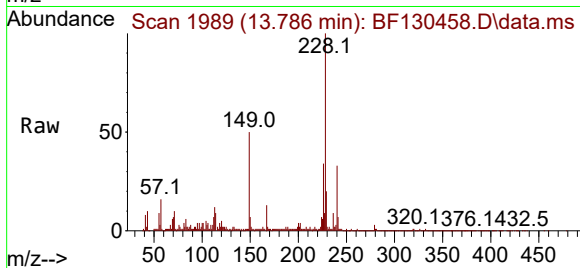




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.205 ng
RT: 13.786 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

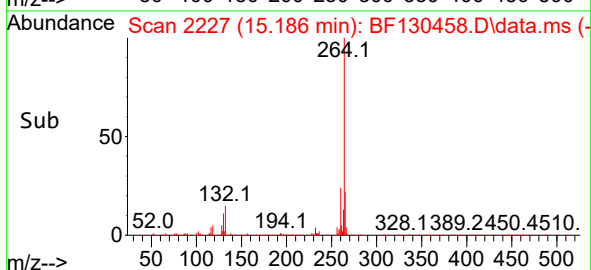
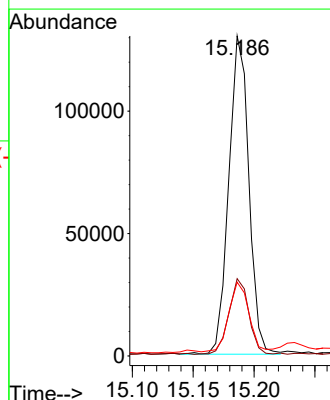
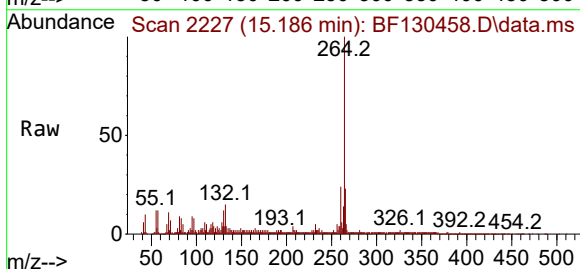
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

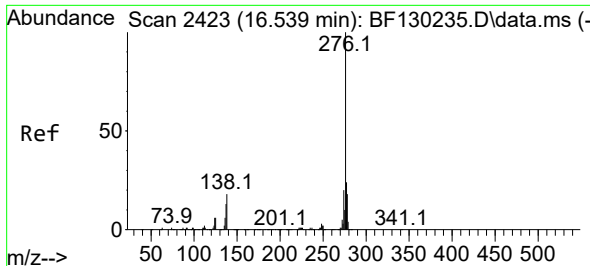
Tgt Ion:149 Resp: 90226
Ion Ratio Lower Upper
149 100
167 26.4 20.5 30.7
279 5.0 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.186 min Scan# 2227
Delta R.T. 0.012 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion:264 Resp: 148918
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 23.0 17.0 25.4

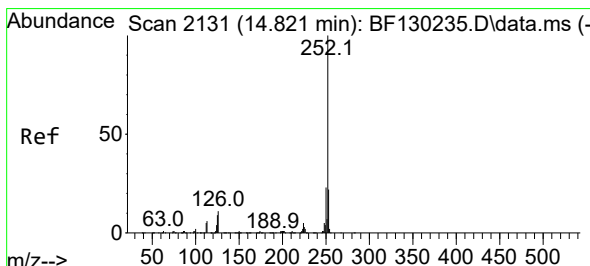
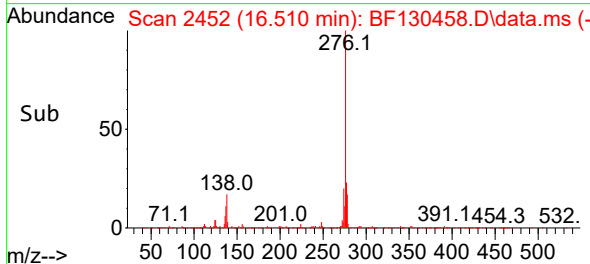
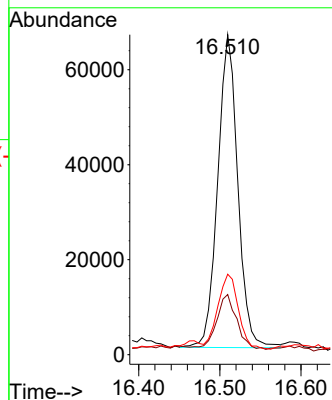
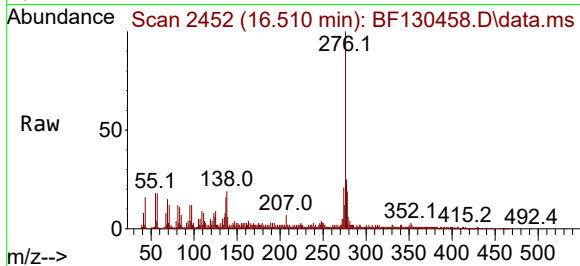




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.751 ng
RT: 16.510 min Scan# 2423
Delta R.T. 0.012 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

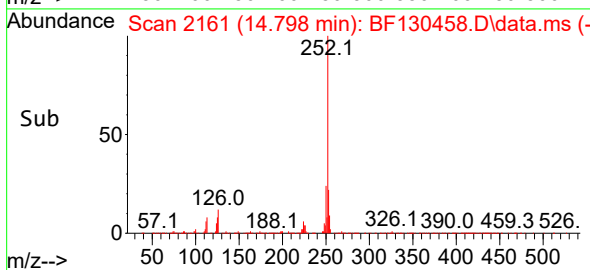
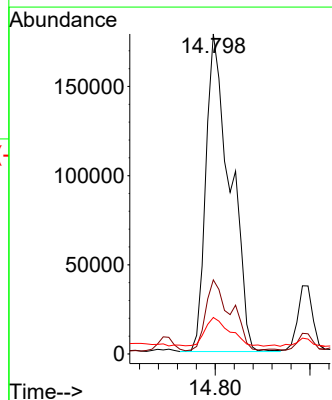
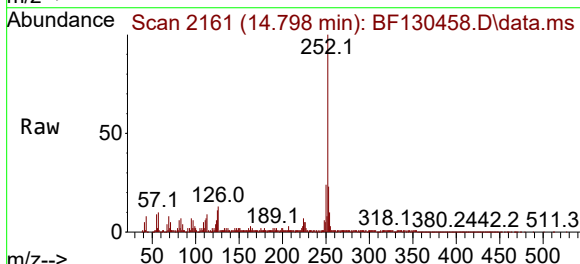
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)DL

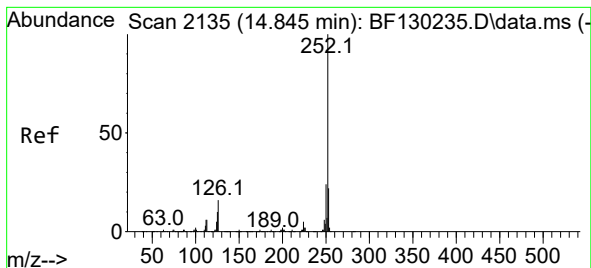
Tgt Ion:276 Resp: 113535
Ion Ratio Lower Upper
276 100
138 17.4 18.5 27.7#
277 24.4 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 32.595 ng
RT: 14.798 min Scan# 2161
Delta R.T. 0.012 min
Lab File: BF130458.D
Acq: 28 Sep 2022 20:58

Tgt Ion:252 Resp: 316814
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.4 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 33.135 ng

RT: 14.798 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)DL

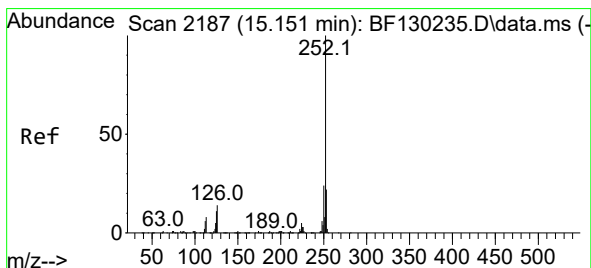
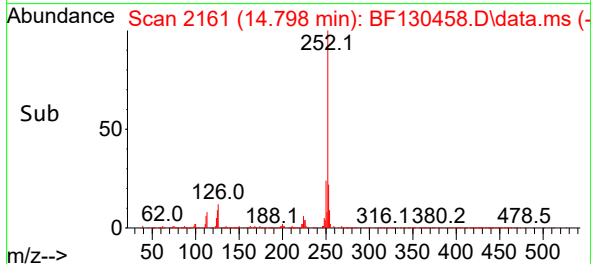
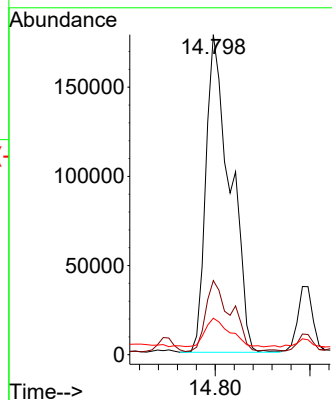
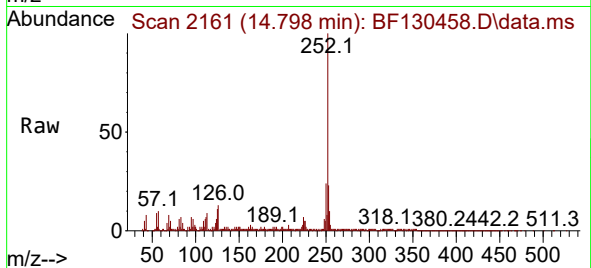
Tgt Ion:252 Resp: 316814

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 11.4 7.9 11.9



#90

Benzo(a)pyrene

Concen: 19.712 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF130458.D

Acq: 28 Sep 2022 20:58

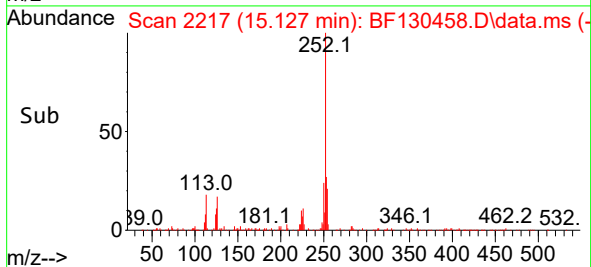
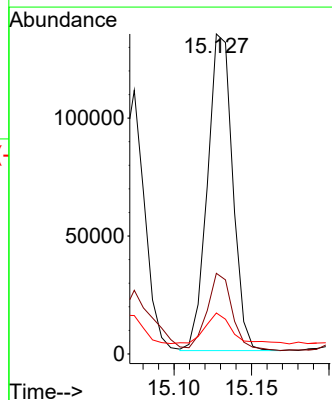
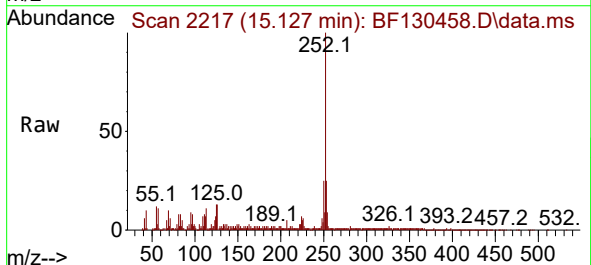
Tgt Ion:252 Resp: 151790

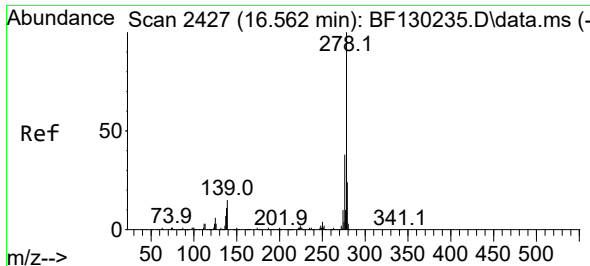
Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 12.8 9.0 13.6

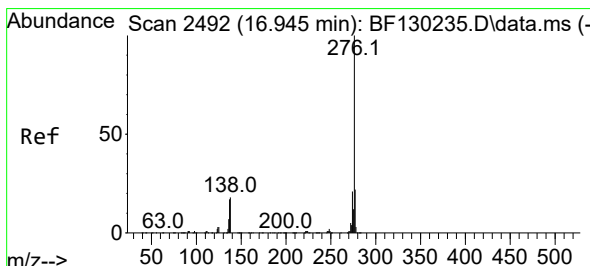
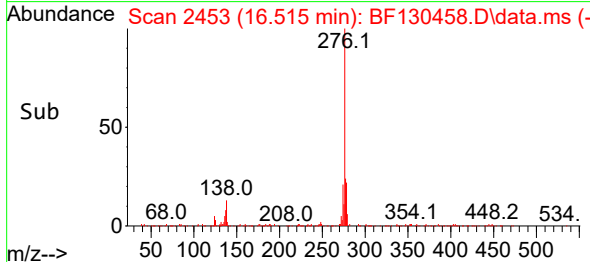
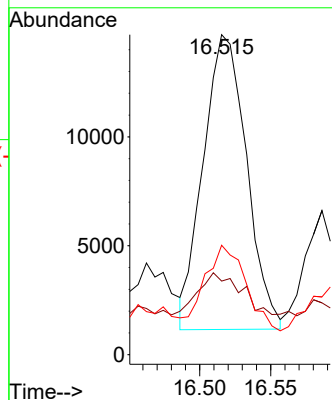
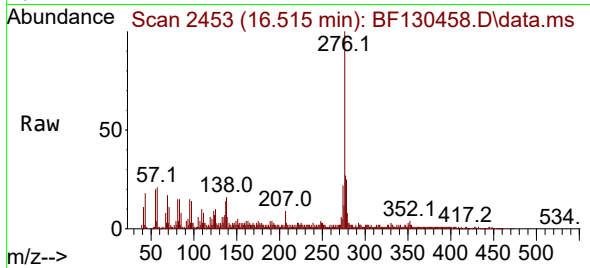




#91
 Dibenzo(a,h)anthracene
 Concen: 3.314 ng
 RT: 16.515 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: BF130458.D
 Acq: 28 Sep 2022 20:58

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)DL

Tgt Ion:278 Resp: 28712
 Ion Ratio Lower Upper
 278 100
 139 23.0 11.8 17.8#
 279 34.2 19.4 29.0#



#92
 Benzo(g,h,i)perylene
 Concen: 12.907 ng
 RT: 16.910 min Scan# 2520
 Delta R.T. 0.018 min
 Lab File: BF130458.D
 Acq: 28 Sep 2022 20:58

Tgt Ion:276 Resp: 112641
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.6 27.8
 138 17.9 14.6 21.8

