

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
 Data File : BF130589.D
 Acq On : 07 Oct 2022 23:03
 Operator : CG\JU
 Sample : N5018-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(0-5)

Quant Time: Oct 10 01:47:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

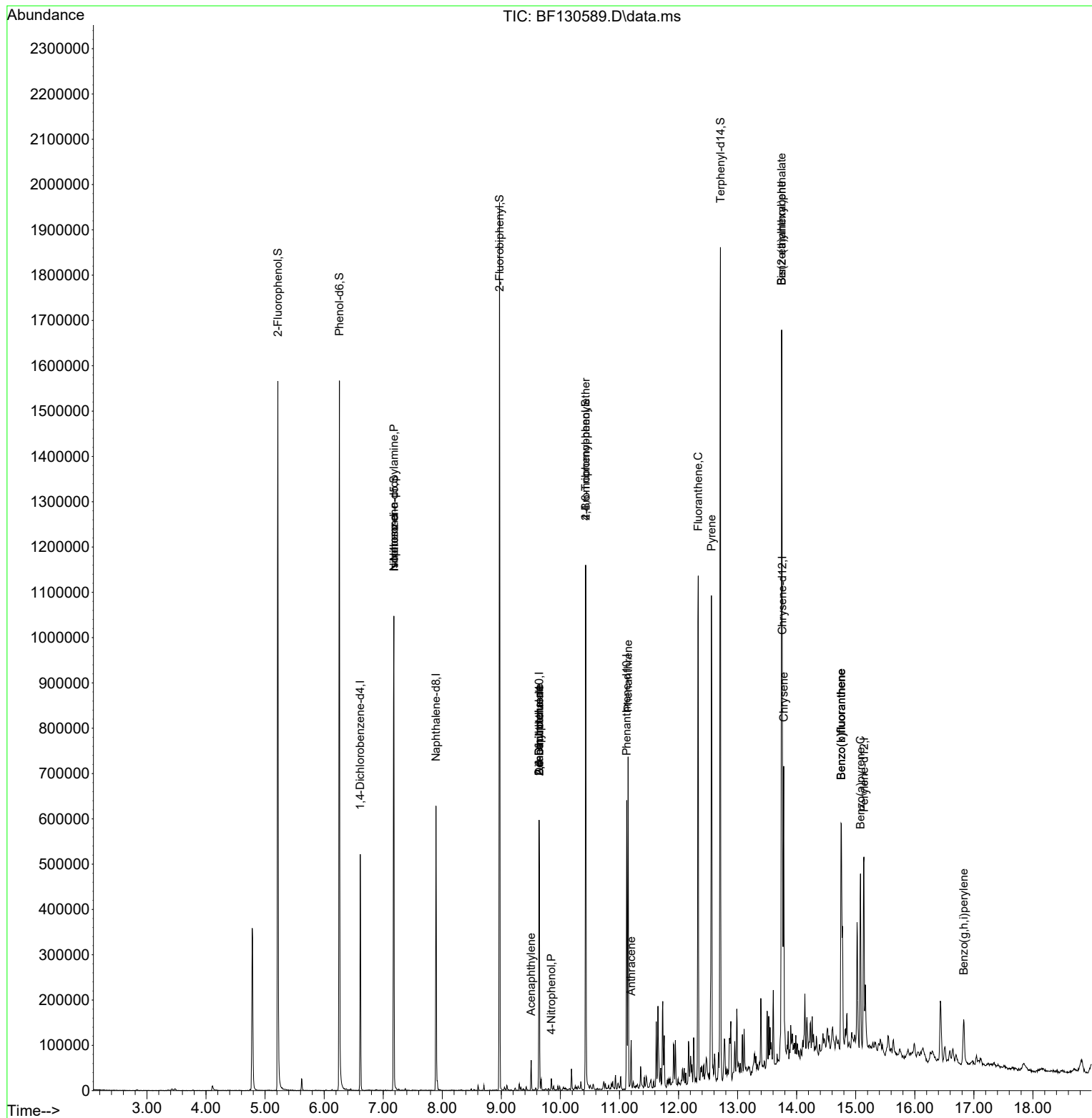
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.610	152	70854	20.000	ng	0.00
21) Naphthalene-d8	7.892	136	247087	20.000	ng	-0.01
39) Acenaphthene-d10	9.639	164	117409	20.000	ng	-0.01
64) Phenanthrene-d10	11.122	188	203021	20.000	ng	-0.01
76) Chrysene-d12	13.757	240	199355	20.000	ng	0.00
86) Perylene-d12	15.139	264	182539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.216	112	422613	103.453	ng	0.00
7) Phenol-d6	6.257	99	487434	95.363	ng	-0.01
23) Nitrobenzene-d5	7.181	82	310130	64.123	ng	-0.01
42) 2,4,6-Tribromophenol	10.428	330	122920	109.262	ng	-0.01
45) 2-Fluorobiphenyl	8.969	172	519453	64.426	ng	-0.01
79) Terphenyl-d14	12.710	244	602499	50.063	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.181	70	40641	11.783	ng	# 72
25) Isophorone	7.181	82	310128	39.784	ng	# 66
49) Acenaphthylene	9.504	152	23845	2.242	ng	98
50) Dimethylphthalate	9.639	163	21676	2.673	ng	# 1
51) 2,6-Dinitrotoluene	9.639	165	14862	8.762	ng	# 17
56) 4-Nitrophenol	9.845	139	2928	2.127	ng	# 1
57) 2,4-Dinitrotoluene	9.639	165	14862	6.856	ng	# 17
67) 4-Bromophenyl-phenylether	10.428	248	7214	3.221	ng	# 1
71) Phenanthrene	11.145	178	234116	20.539	ng	99
72) Anthracene	11.198	178	32340	2.940	ng	98
75) Fluoranthene	12.333	202	421332	38.253	ng	97
78) Pyrene	12.557	202	405277	23.239	ng	100
81) Benzo(a)anthracene	13.745	228	197929	14.924	ng	98
83) Chrysene	13.780	228	226840	18.014	ng	98
84) Bis(2-ethylhexyl)phtha...	13.745	149	229853	31.060	ng	98
88) Benzo(b)fluoranthene	14.757	252	339745	28.516	ng	99
89) Benzo(k)fluoranthene	14.757	252	339745	28.988	ng	98
90) Benzo(a)pyrene	15.080	252	160626	17.017	ng	97
92) Benzo(g,h,i)perylene	16.827	276	72439	6.772	ng	97

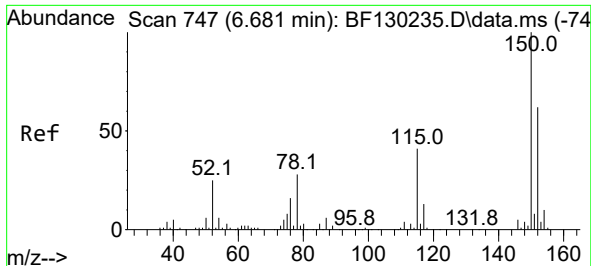
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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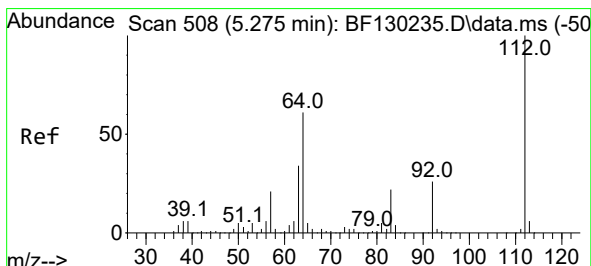
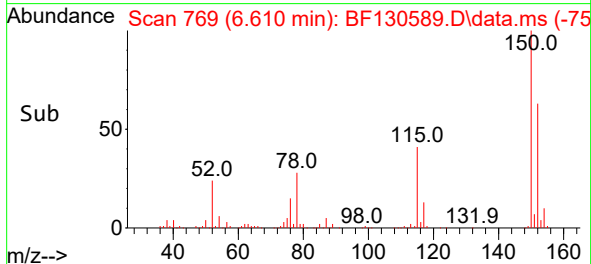
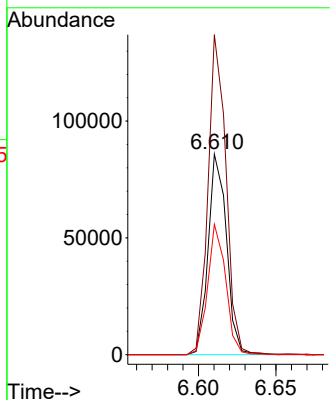
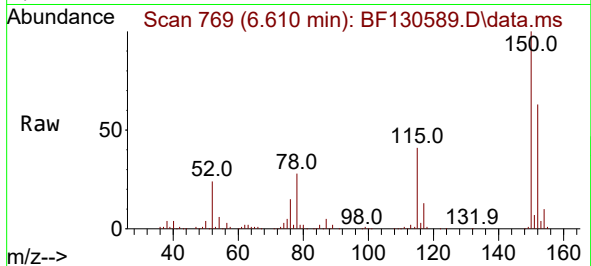




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.610 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: BF130589.D
 Acq: 07 Oct 2022 23:03

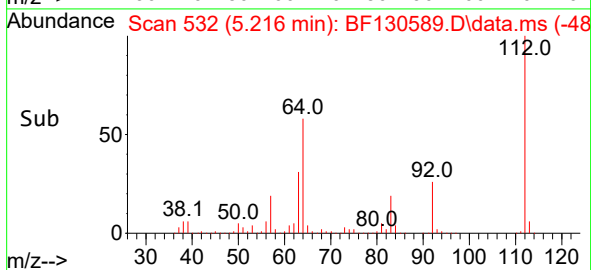
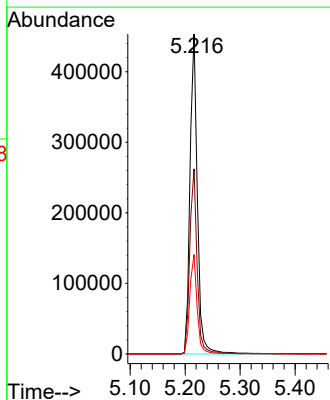
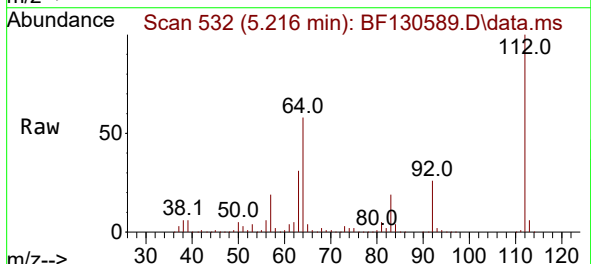
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(0-5)

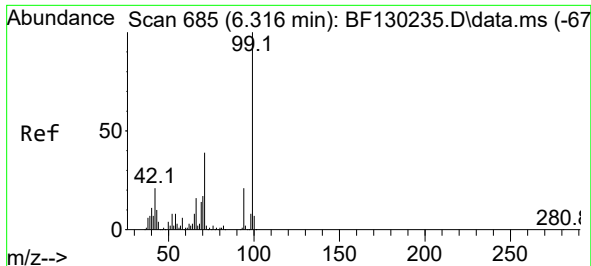
Tgt Ion:152 Resp: 70854
 Ion Ratio Lower Upper
 152 100
 150 159.5 122.8 184.2
 115 65.0 53.8 80.8



#5
 2-Fluorophenol
 Concen: 103.453 ng
 RT: 5.216 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: BF130589.D
 Acq: 07 Oct 2022 23:03

Tgt Ion:112 Resp: 422613
 Ion Ratio Lower Upper
 112 100
 64 57.9 51.4 77.0
 63 31.0 28.8 43.2

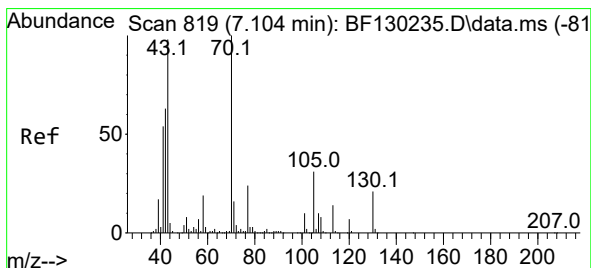
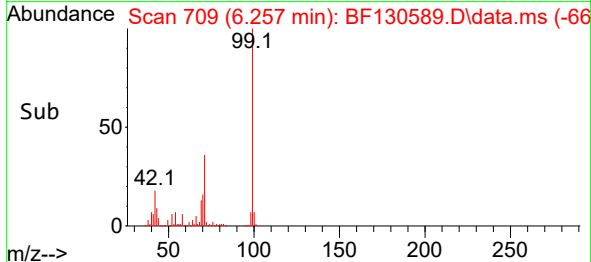
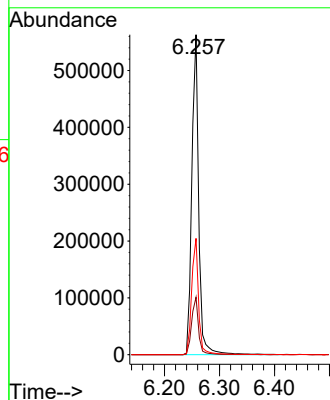
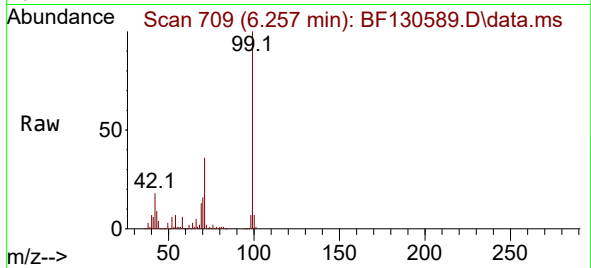




#7
Phenol-d6
Concen: 95.363 ng
RT: 6.257 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

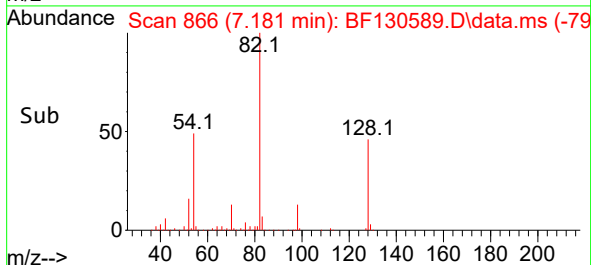
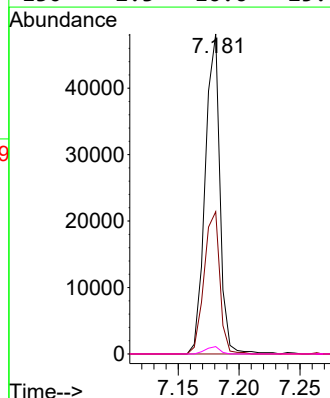
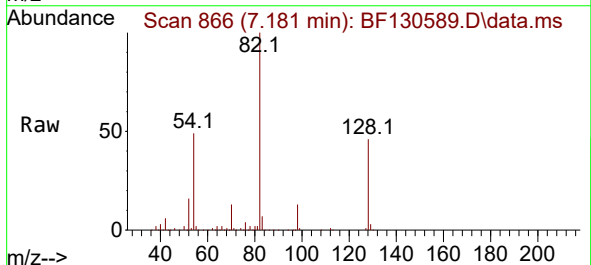
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

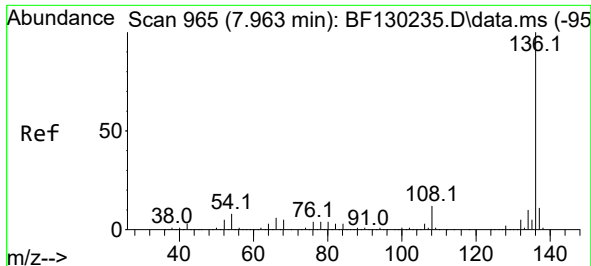
Tgt Ion: 99 Resp: 487434
Ion Ratio Lower Upper
99 100
42 18.0 17.0 25.6
71 36.4 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.783 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion: 70 Resp: 40641
Ion Ratio Lower Upper
70 100
42 44.5 50.8 76.2#
101 0.0 8.2 12.4#
130 2.3 16.6 25.0#



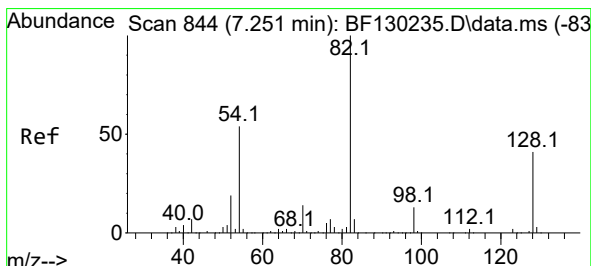
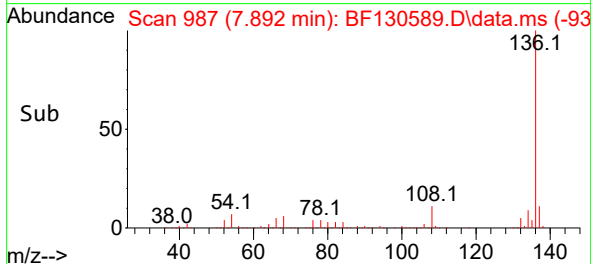
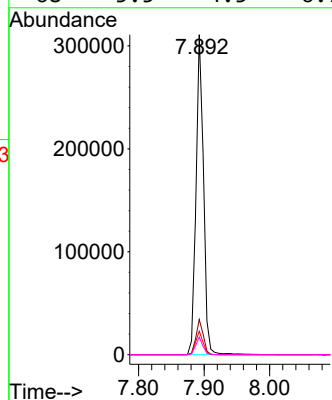
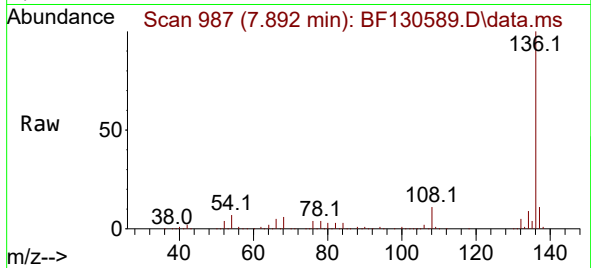


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

Tgt Ion:136 Resp: 247087

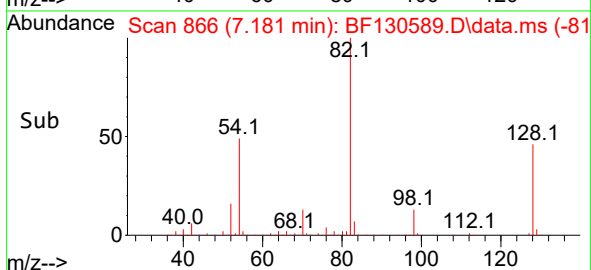
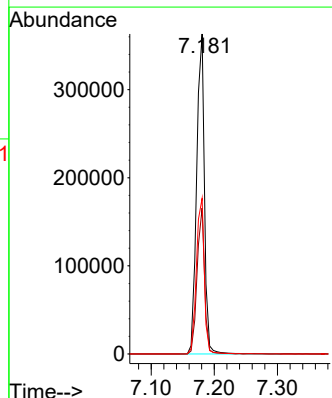
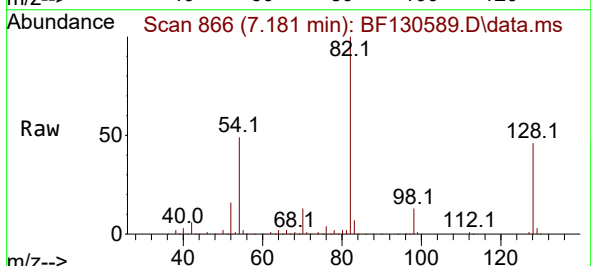
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.3	7.1	10.7
68	5.5	4.5	6.7

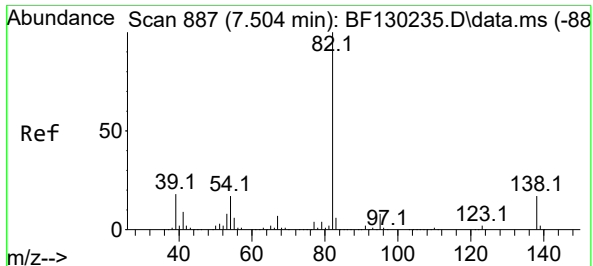


#23
Nitrobenzene-d5
Concen: 64.123 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion: 82 Resp: 310130

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.6	49.0
54	48.6	43.8	65.6

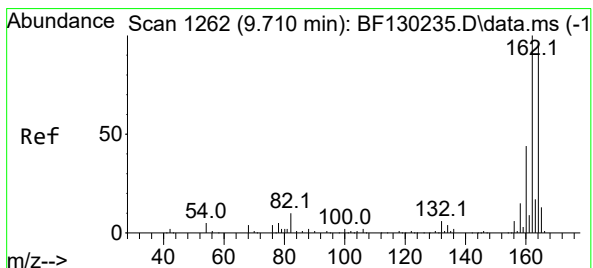
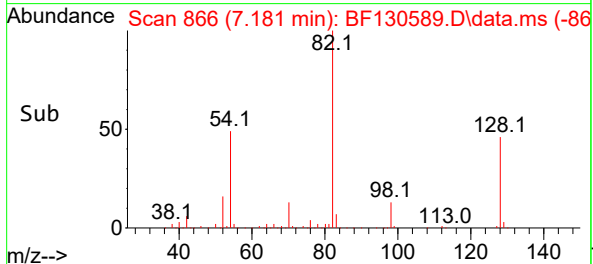
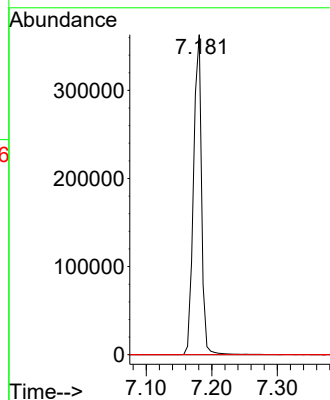
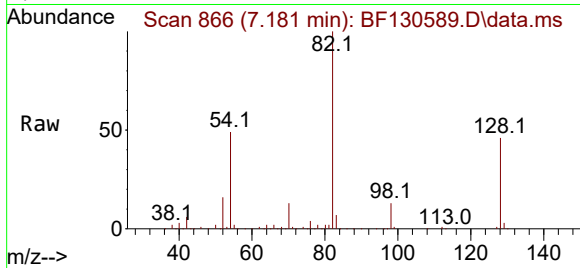




#25
Isophorone
Concen: 39.784 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.270 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

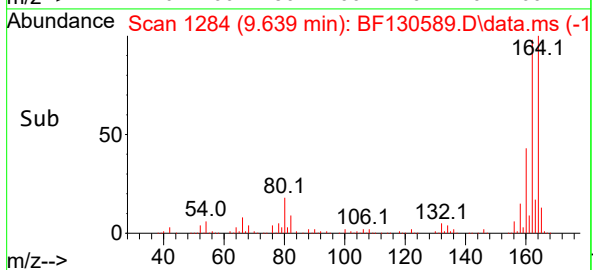
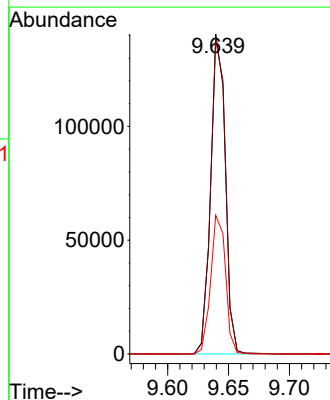
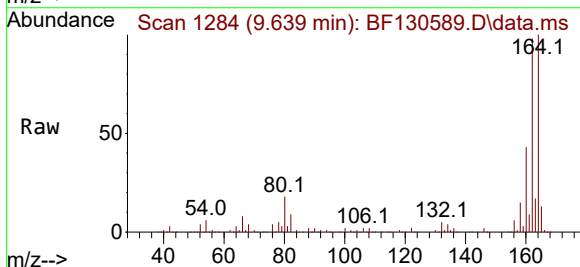
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

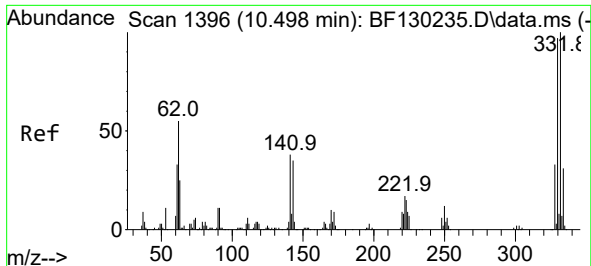
Tgt Ion: 82 Resp: 310128
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion: 164 Resp: 117409
Ion Ratio Lower Upper
164 100
162 98.1 81.4 122.0
160 43.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 109.262 ng

RT: 10.428 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

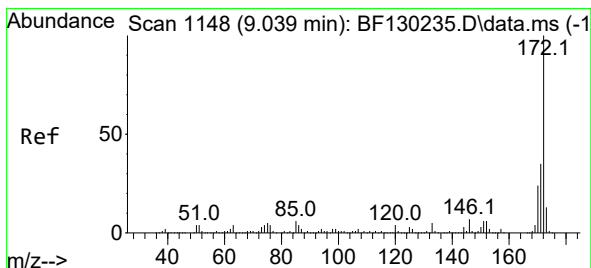
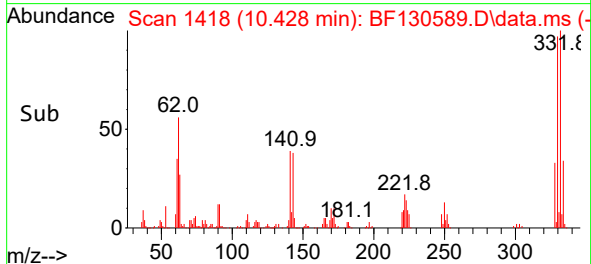
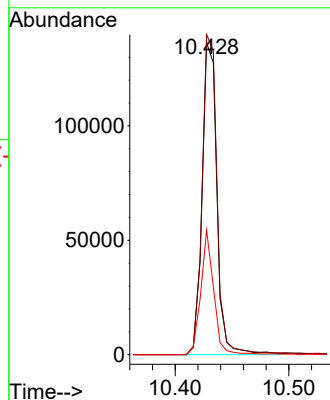
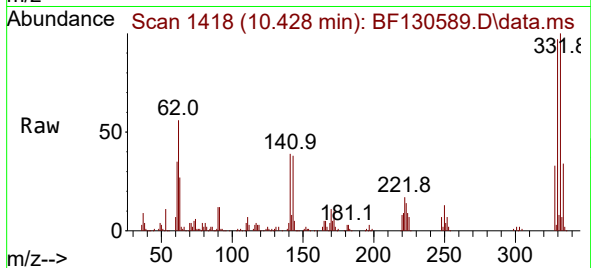
Tgt Ion:330 Resp: 122920

Ion Ratio Lower Upper

330 100

332 105.1 83.4 125.2

141 35.6 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 64.426 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.012 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

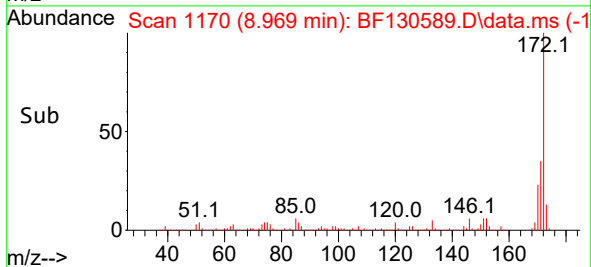
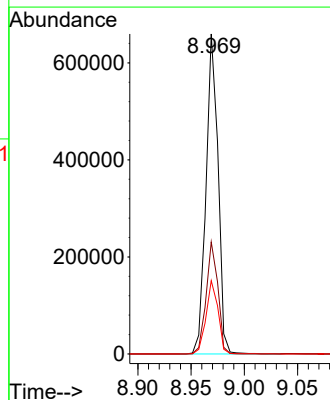
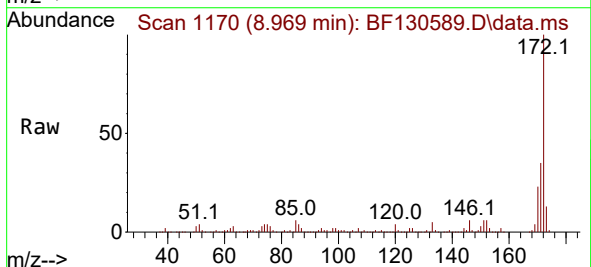
Tgt Ion:172 Resp: 519453

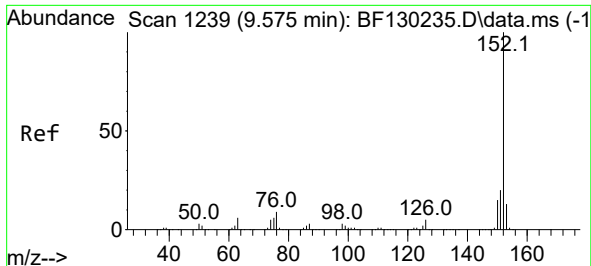
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 22.9 18.7 28.1





#49

Acenaphthylene

Concen: 2.242 ng

RT: 9.504 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

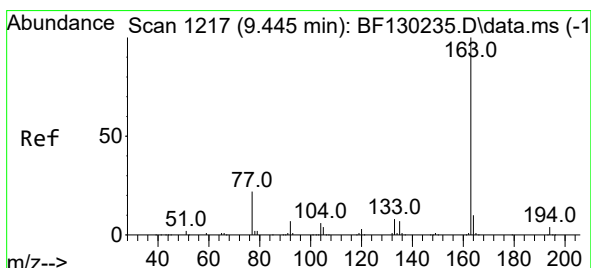
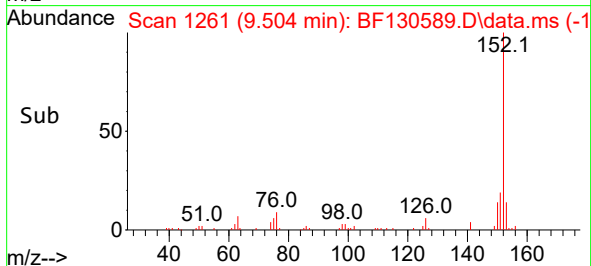
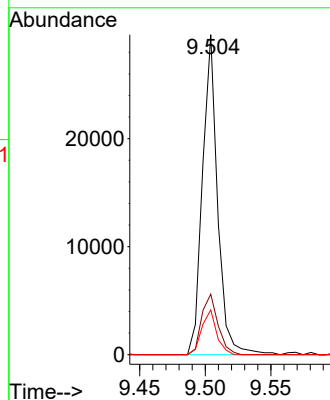
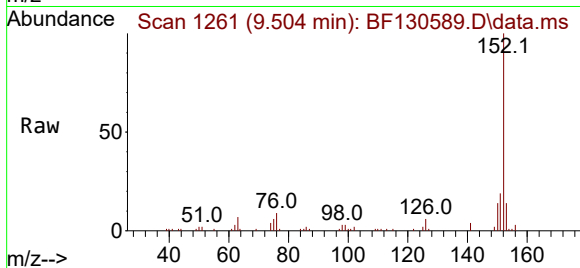
Tgt Ion:152 Resp: 23845

Ion Ratio Lower Upper

152 100

151 18.9 16.2 24.2

153 14.0 10.6 15.8



#50

Dimethylphthalate

Concen: 2.673 ng

RT: 9.639 min Scan# 1284

Delta R.T. 0.253 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

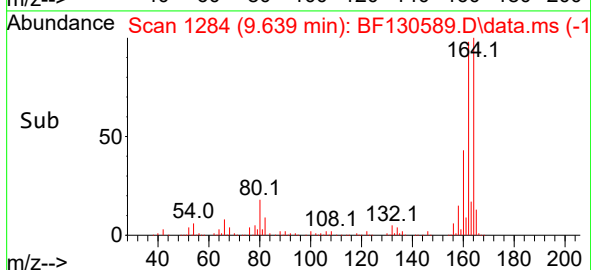
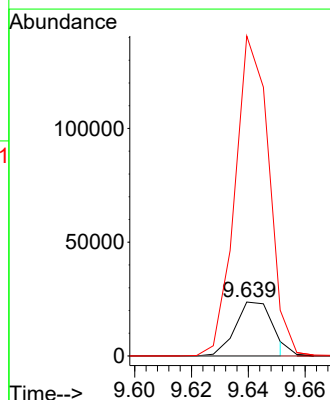
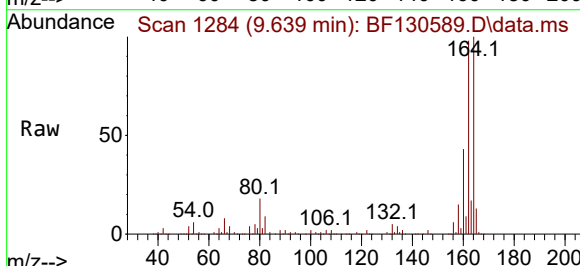
Tgt Ion:163 Resp: 21676

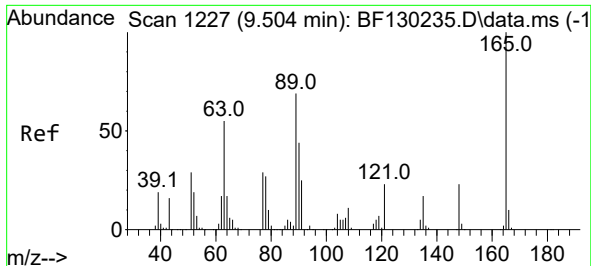
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 592.9 8.2 12.2#

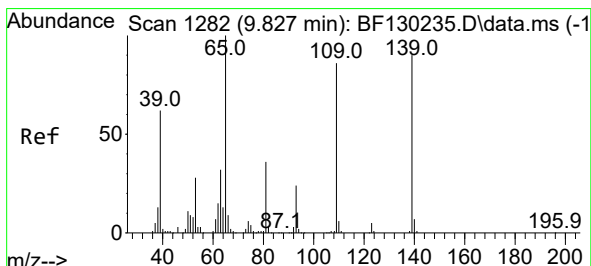
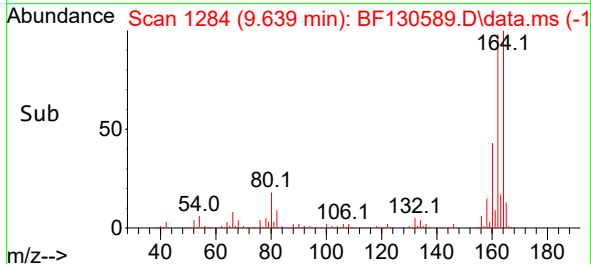
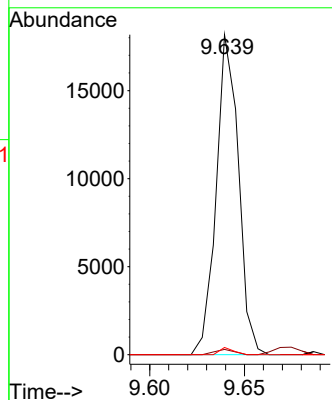
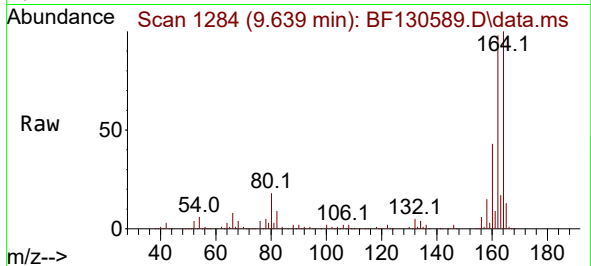




#51
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 9.639 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

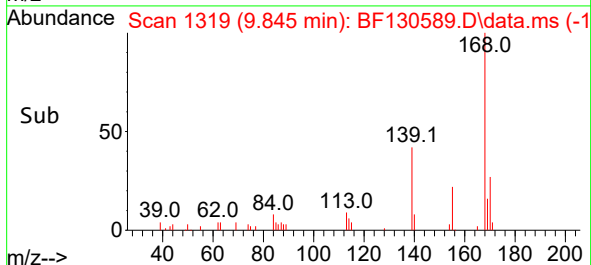
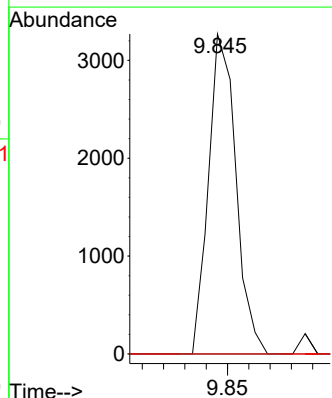
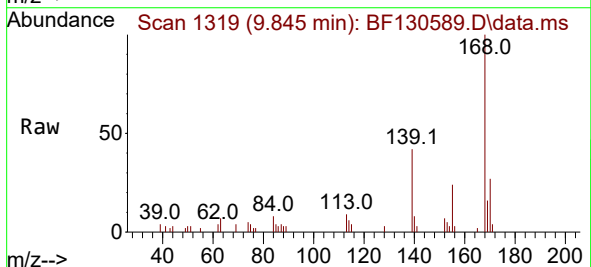
Instrument :
BNA_F
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SASP2-T-3-(0-5)

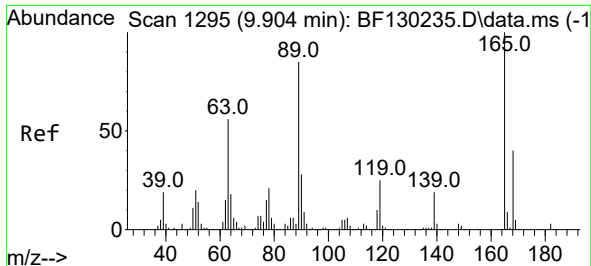
Tgt Ion:165 Resp: 14862
Ion Ratio Lower Upper
165 100
63 1.6 58.8 88.2#
89 2.3 54.5 81.7#



#56
4-Nitrophenol
Concen: 2.127 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.053 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion:139 Resp: 2928
Ion Ratio Lower Upper
139 100
109 0.0 72.2 112.2#
65 0.0 97.7 137.7#

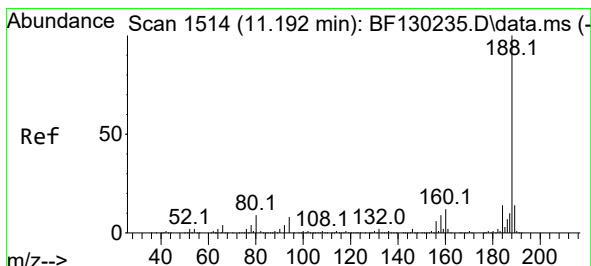
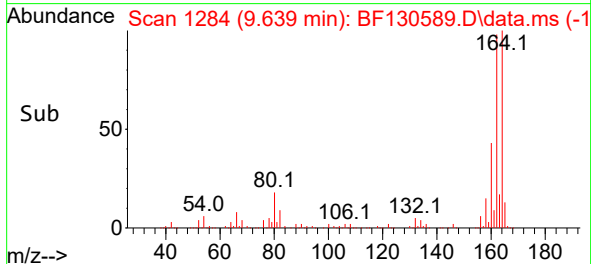
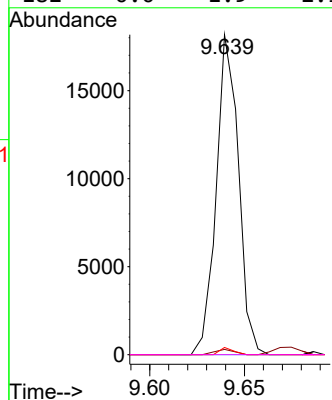
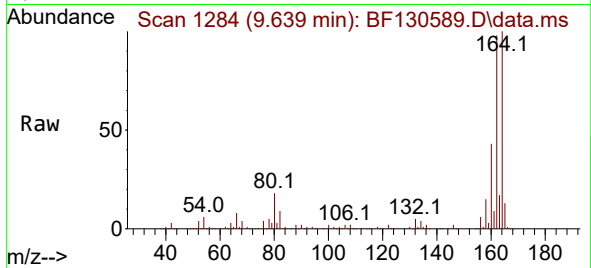




#57
2,4-Dinitrotoluene
Concen: 6.856 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

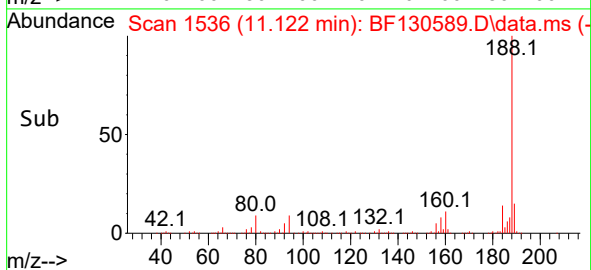
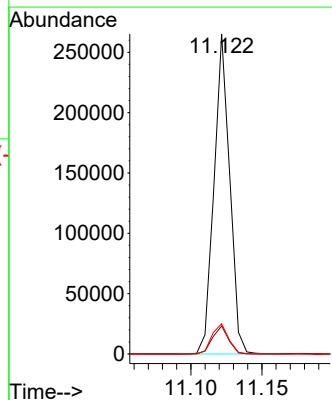
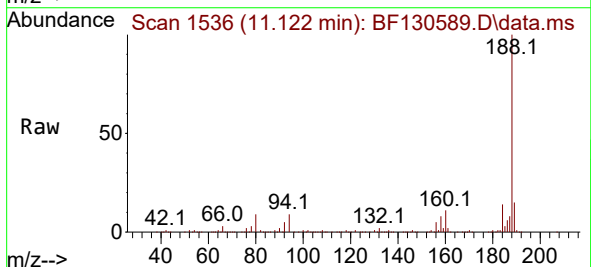
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

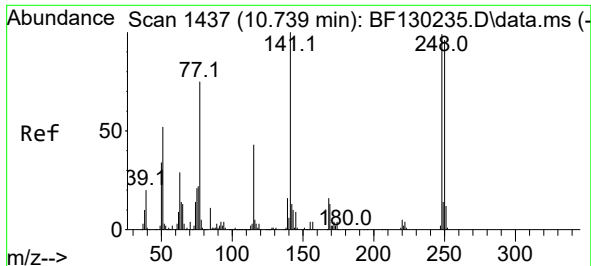
Tgt Ion:165 Resp: 14862
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 2.3 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion:188 Resp: 203021
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.4 7.9 11.9

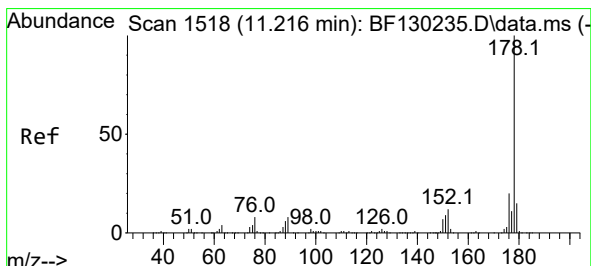
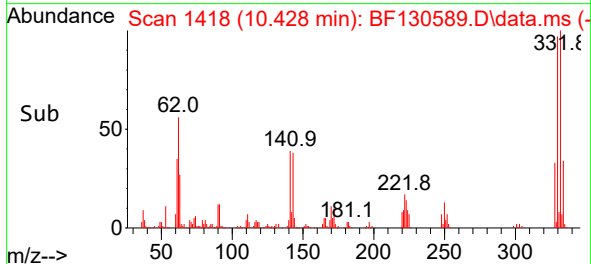
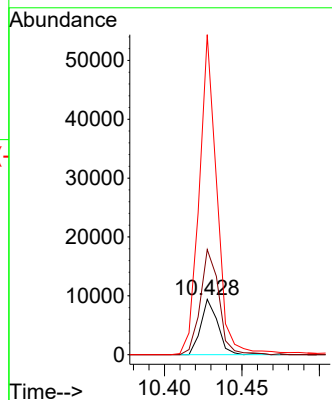
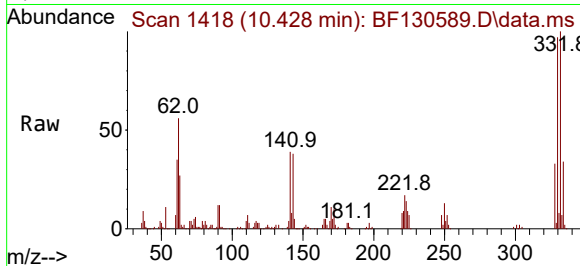




#67
4-Bromophenyl-phenylether
Concen: 3.221 ng
RT: 10.428 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

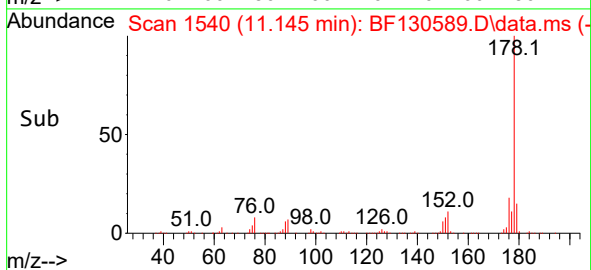
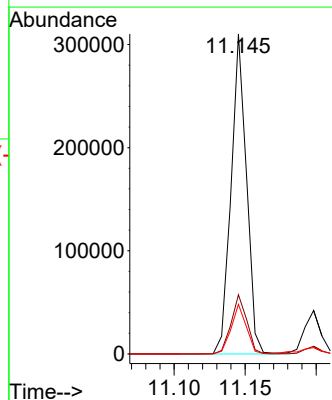
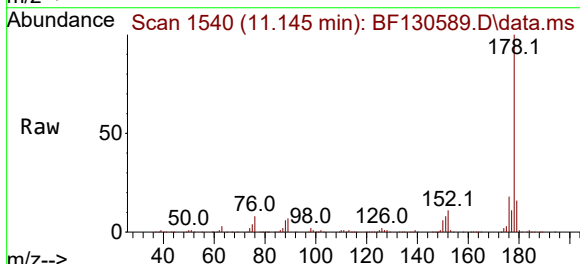
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

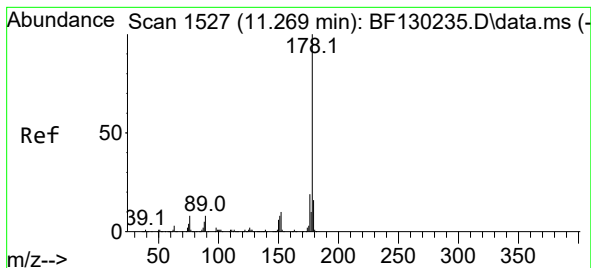
Tgt Ion:248 Resp: 7214
Ion Ratio Lower Upper
248 100
250 190.1 80.0 120.0#
141 578.6 68.5 102.7#



#71
Phenanthrene
Concen: 20.539 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

Tgt Ion:178 Resp: 234116
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 2.940 ng

RT: 11.198 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

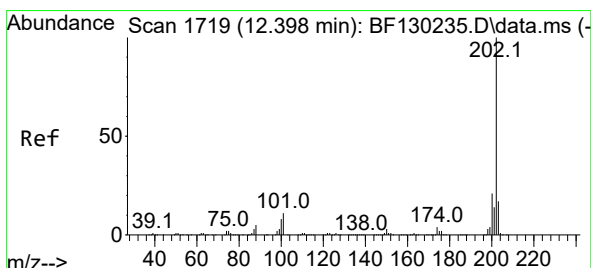
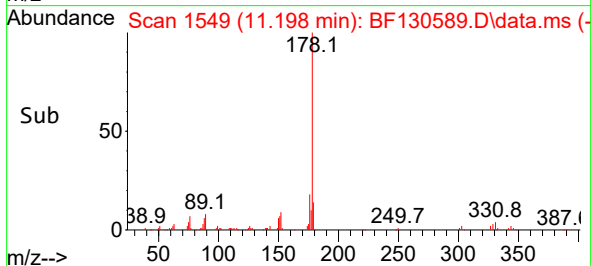
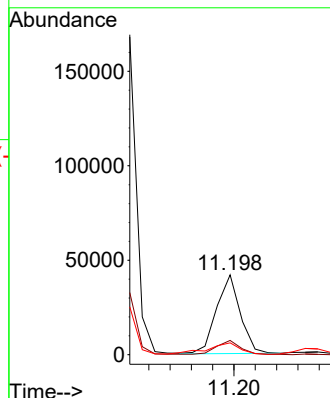
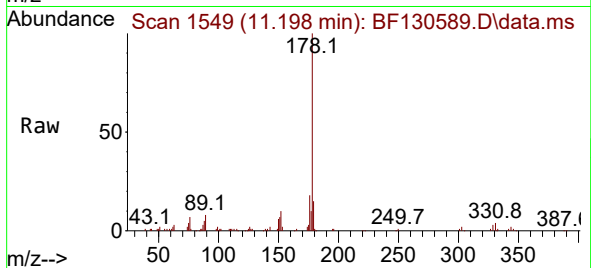
Tgt Ion:178 Resp: 32340

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

179 14.8 12.7 19.1



#75

Fluoranthene

Concen: 38.253 ng

RT: 12.333 min Scan# 1742

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

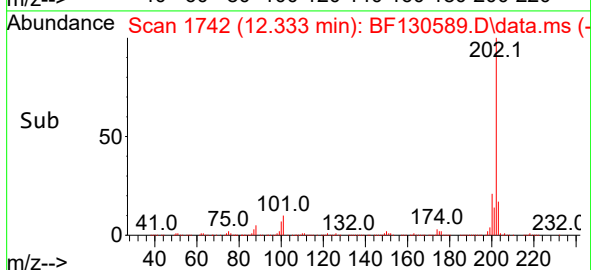
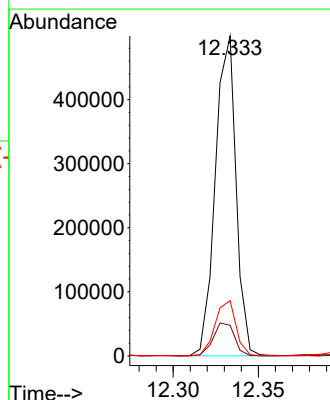
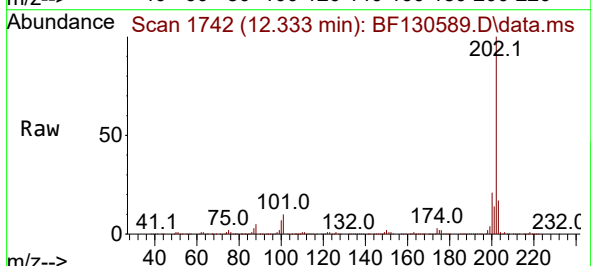
Tgt Ion:202 Resp: 421332

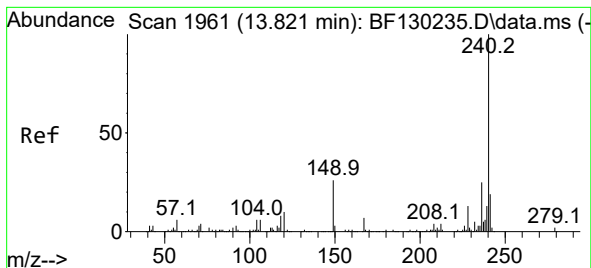
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.8

203 17.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.757 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

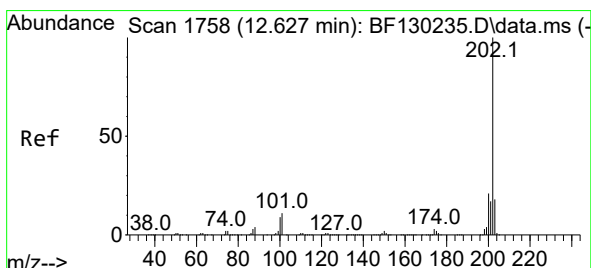
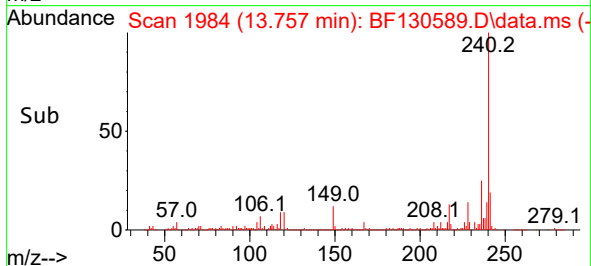
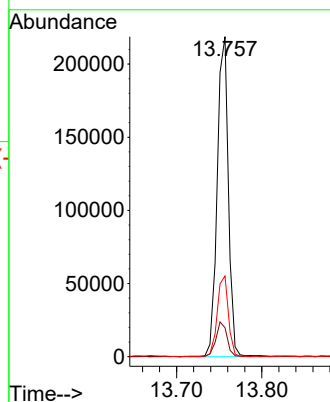
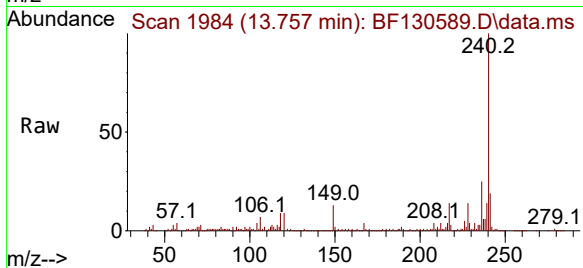
Tgt Ion:240 Resp: 199355

Ion Ratio Lower Upper

240 100

120 9.1 8.7 13.1

236 25.2 20.9 31.3



#78

Pyrene

Concen: 23.239 ng

RT: 12.557 min Scan# 1780

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

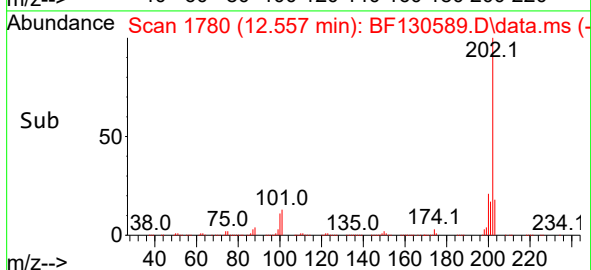
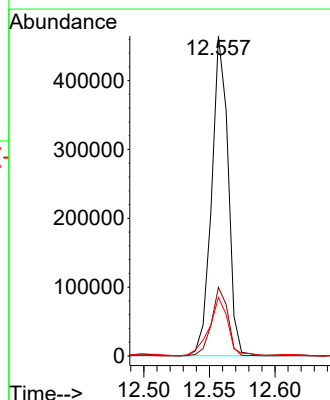
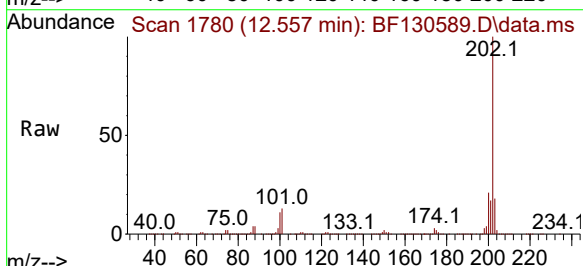
Tgt Ion:202 Resp: 405277

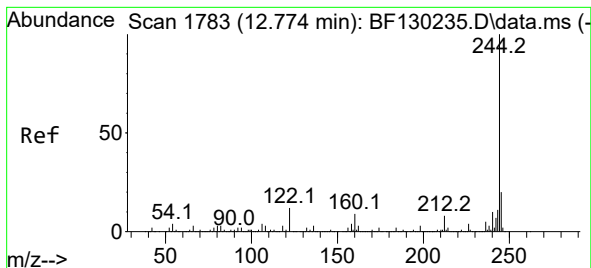
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

203 18.3 14.3 21.5





#79

Terphenyl-d14

Concen: 50.063 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

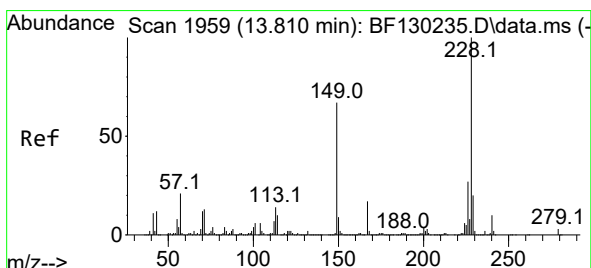
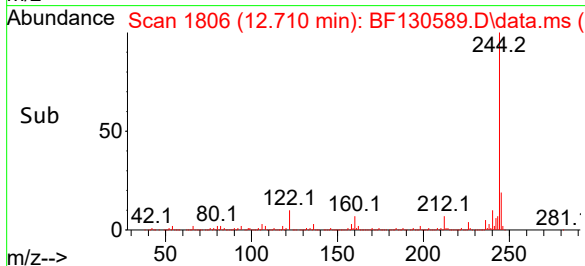
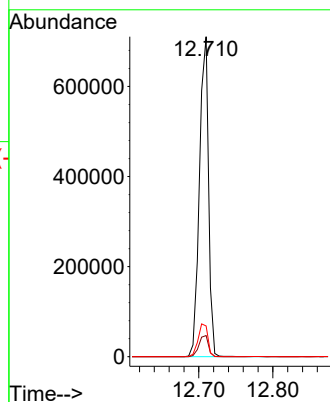
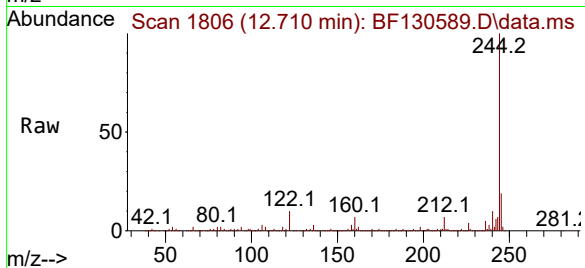
Tgt Ion:244 Resp: 602499

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 9.6 8.5 12.7



#81

Benzo(a)anthracene

Concen: 14.924 ng

RT: 13.745 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

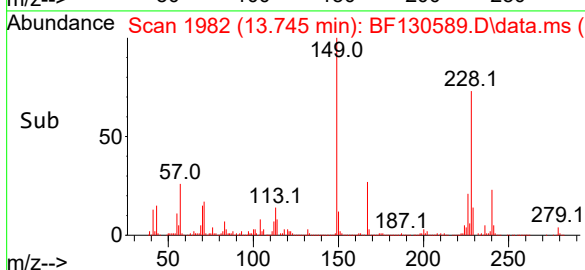
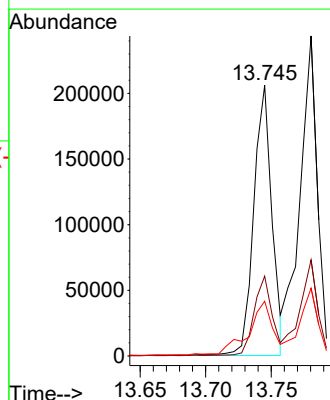
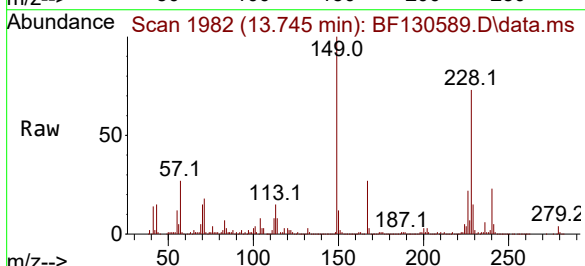
Tgt Ion:228 Resp: 197929

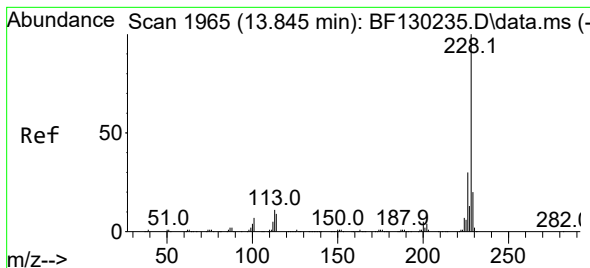
Ion Ratio Lower Upper

228 100

226 29.5 21.9 32.9

229 20.2 16.1 24.1





#83

Chrysene

Concen: 18.014 ng

RT: 13.780 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(0-5)

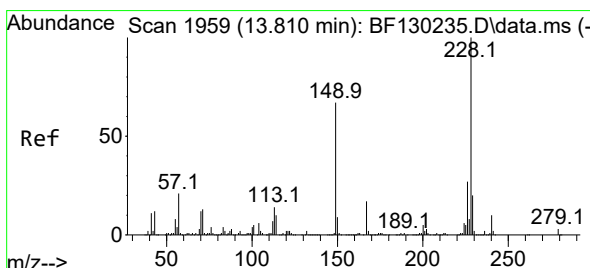
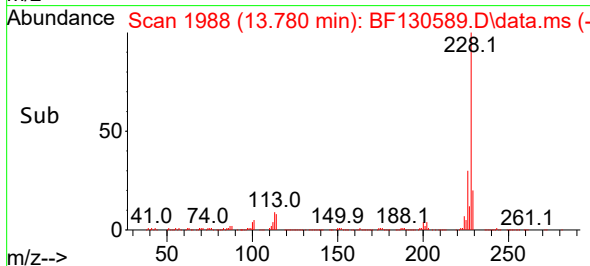
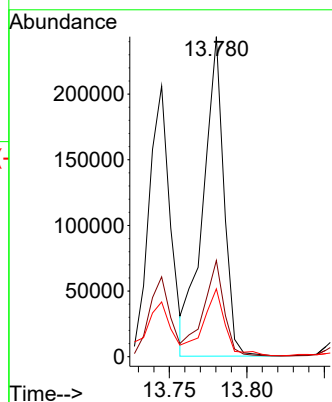
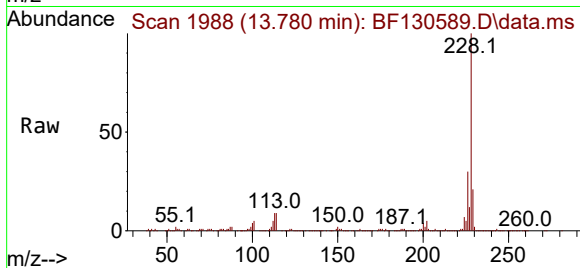
Tgt Ion:228 Resp: 226840

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 21.2 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.060 ng

RT: 13.745 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BF130589.D

Acq: 07 Oct 2022 23:03

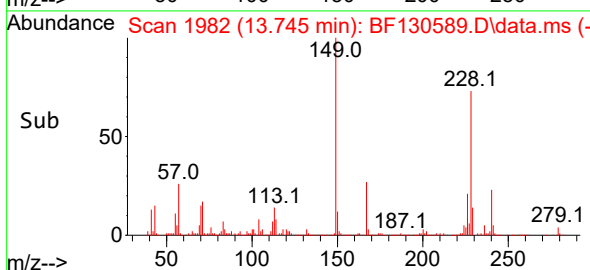
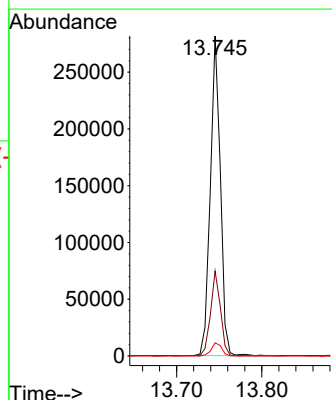
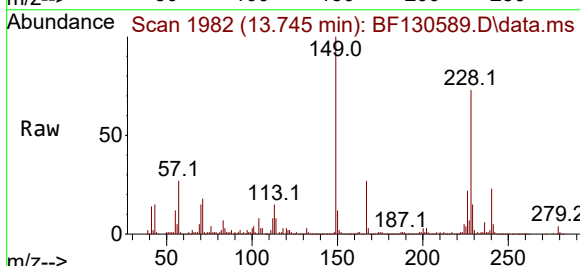
Tgt Ion:149 Resp: 229853

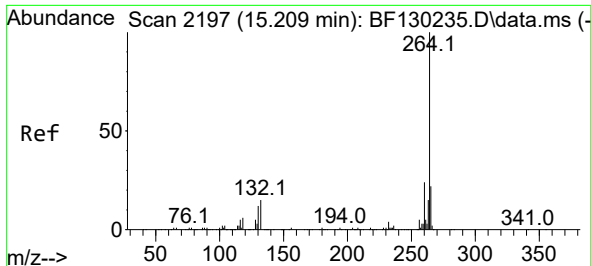
Ion Ratio Lower Upper

149 100

167 26.5 20.5 30.7

279 4.1 2.9 4.3

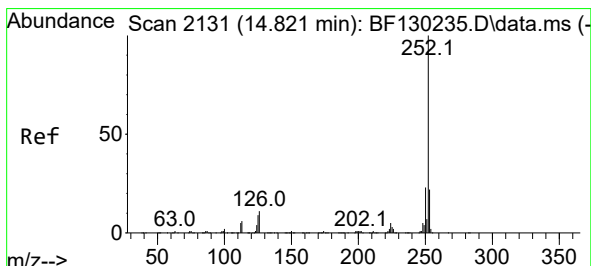
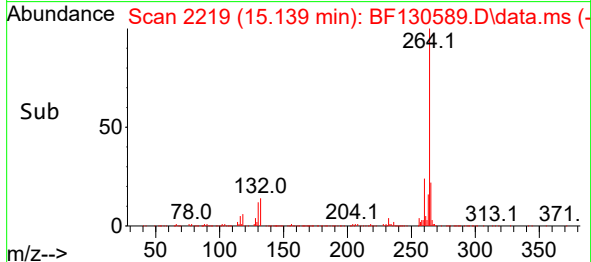
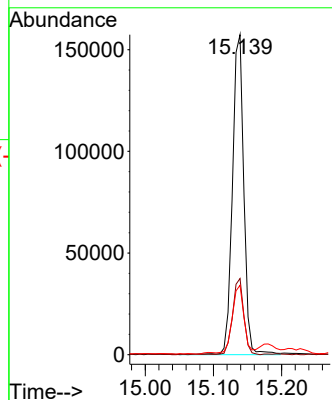
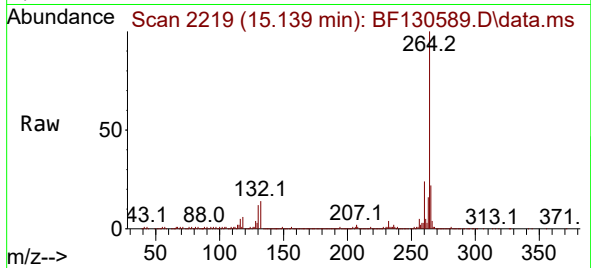




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.139 min Scan# 2197
 Delta R.T. -0.006 min
 Lab File: BF130589.D
 Acq: 07 Oct 2022 23:03

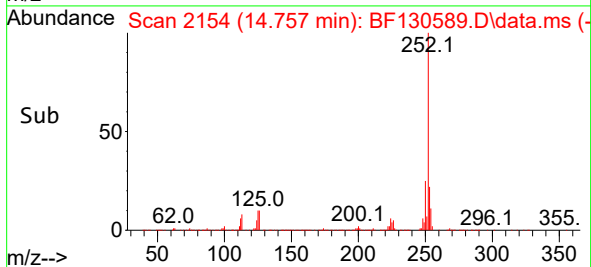
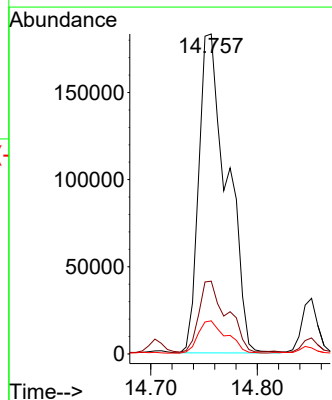
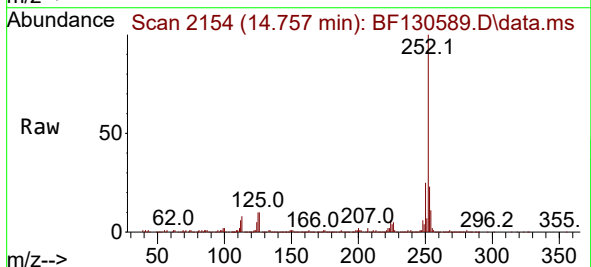
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(0-5)

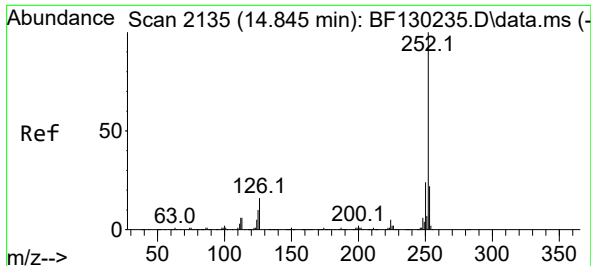
Tgt Ion:264 Resp: 182539
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.3 28.9
 265 21.7 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 28.516 ng
 RT: 14.757 min Scan# 2154
 Delta R.T. -0.006 min
 Lab File: BF130589.D
 Acq: 07 Oct 2022 23:03

Tgt Ion:252 Resp: 339745
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 10.4 8.1 12.1

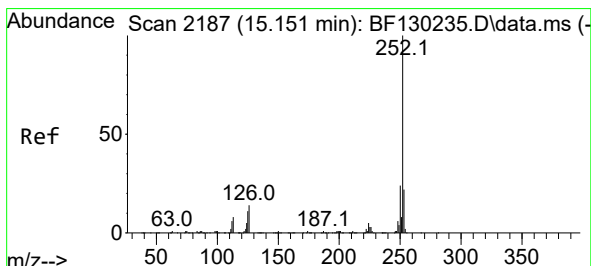
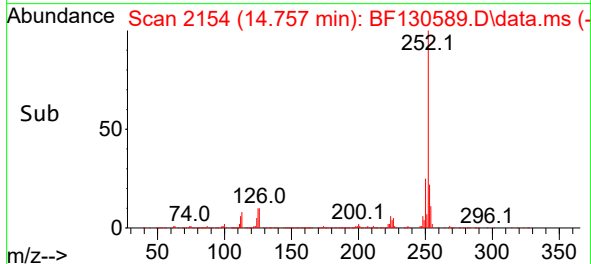
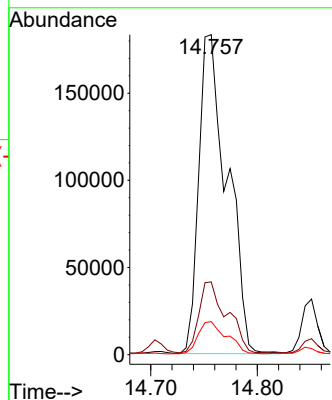
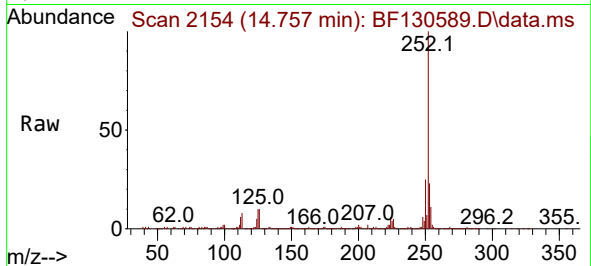




#89
Benzo(k)fluoranthene
Concen: 28.988 ng
RT: 14.757 min Scan# 2135
Delta R.T. -0.029 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

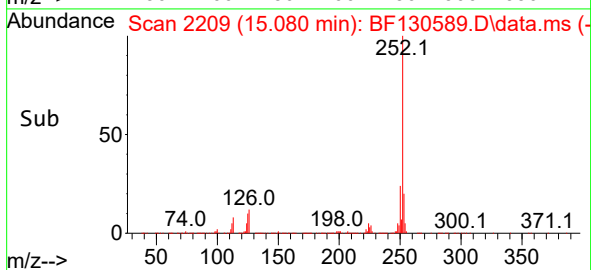
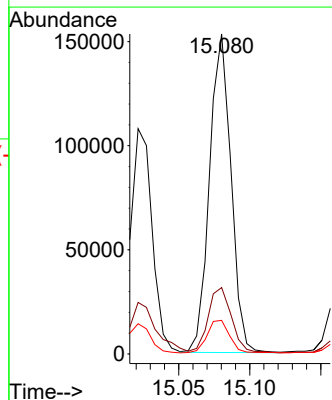
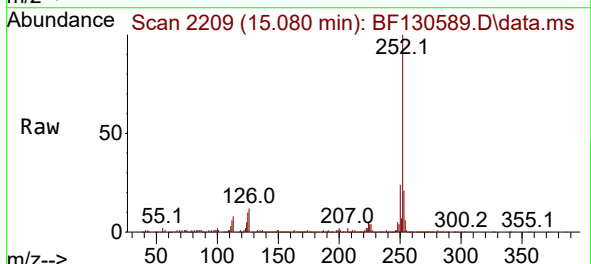
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(0-5)

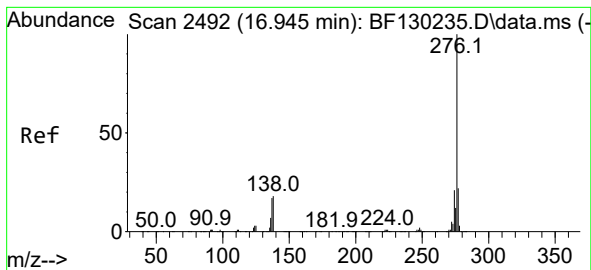
Tgt Ion:252 Resp: 339745
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.4 7.9 11.9



#90
Benzo(a)pyrene
Concen: 17.017 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF130589.D
Acq: 07 Oct 2022 23:03

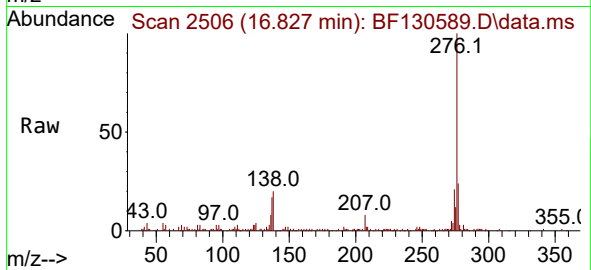
Tgt Ion:252 Resp: 160626
Ion Ratio Lower Upper
252 100
253 20.7 17.8 26.6
125 10.5 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.772 ng
 RT: 16.827 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF130589.D
 Acq: 07 Oct 2022 23:03

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(0-5)



Tgt Ion:	276	Resp:	72439
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	27.8
138	19.6	14.6	21.8

