

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131137.D
 Acq On : 10 Nov 2022 22:43
 Operator : CG\JU
 Sample : N5494-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15

Quant Time: Nov 11 00:52:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

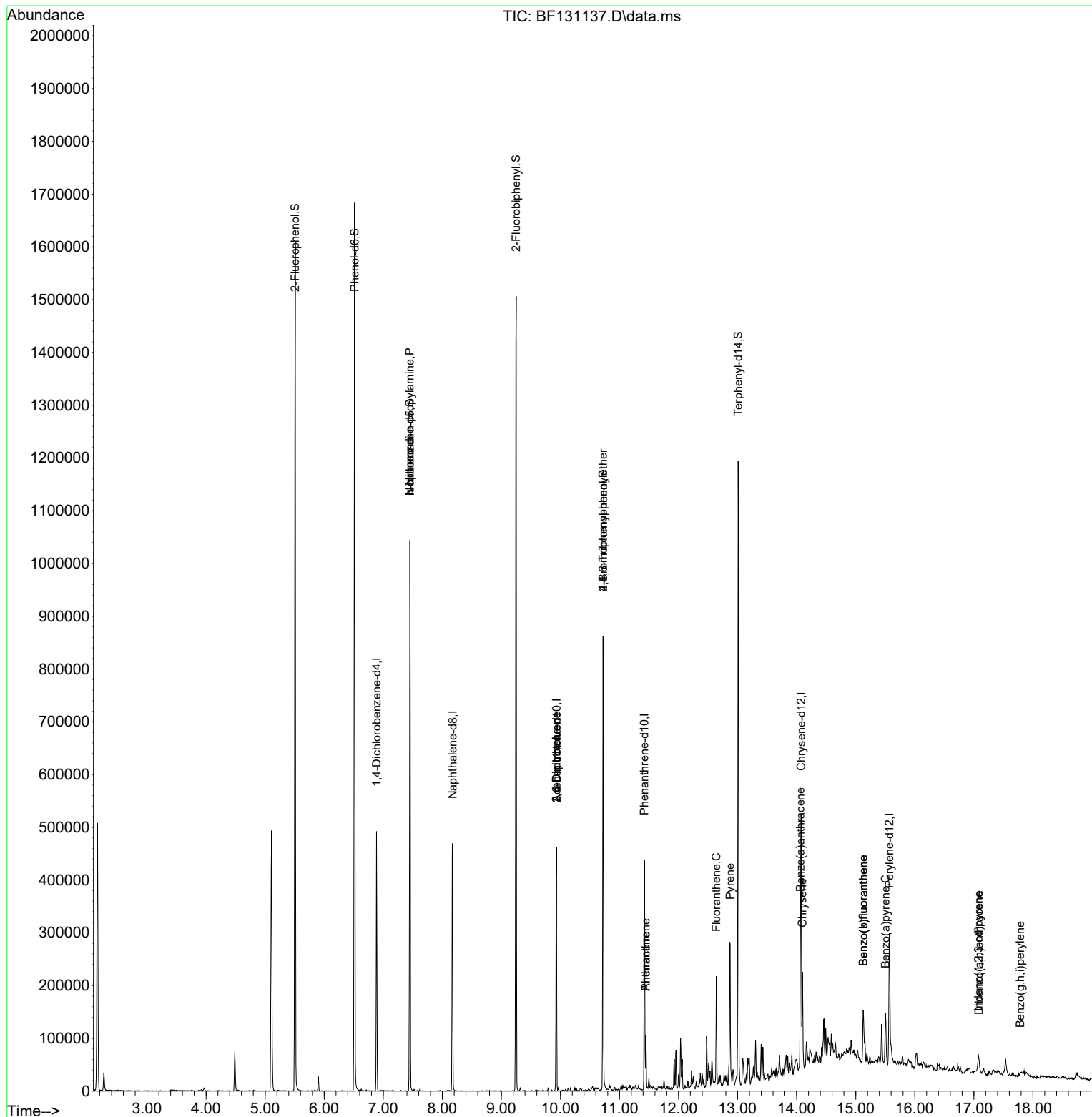
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	59284	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	201656	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	90376	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	149469	20.000	ng	0.00
76) Chrysene-d12	14.074	240	136465	20.000	ng	0.00
86) Perylene-d12	15.568	264	111286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	372940	106.981	ng	0.00
7) Phenol-d6	6.516	99	481209	105.585	ng	0.00
23) Nitrobenzene-d5	7.451	82	305079	68.259	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	85374	91.406	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	445775	68.856	ng	0.00
79) Terphenyl-d14	13.010	244	384096	49.349	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	41684	13.930	ng	# 76
25) Isophorone	7.451	82	305074	44.145	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	12048	8.528	ng	# 15
57) 2,4-Dinitrotoluene	9.933	165	12048	6.415	ng	# 17
67) 4-Bromophenyl-phenylether	10.722	248	5441	3.219	ng	# 1
71) Phenanthrene	11.445	178	33392	4.062	ng	99
72) Anthracene	11.445	178	33392	4.185	ng	98
75) Fluoranthene	12.639	202	69689	8.469	ng	98
78) Pyrene	12.874	202	113387	9.685	ng	99
81) Benzo(a)anthracene	14.063	228	69076	7.082	ng	95
83) Chrysene	14.098	228	65849	7.148	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	19131	5.797	ng	# 93
88) Benzo(b)fluoranthene	15.127	252	70391	8.946	ng	99
89) Benzo(k)fluoranthene	15.127	252	70391	9.308	ng	100
90) Benzo(a)pyrene	15.504	252	44931	7.123	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	6225	4.615	ng	98
92) Benzo(g,h,i)perylene	17.786	276	3846	4.813	ng	96

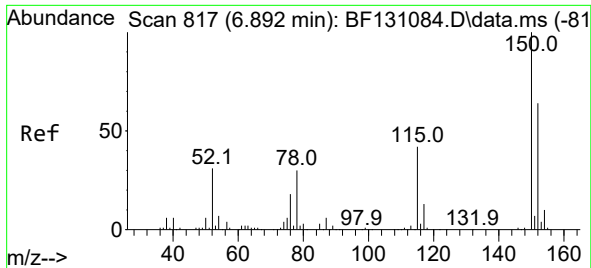
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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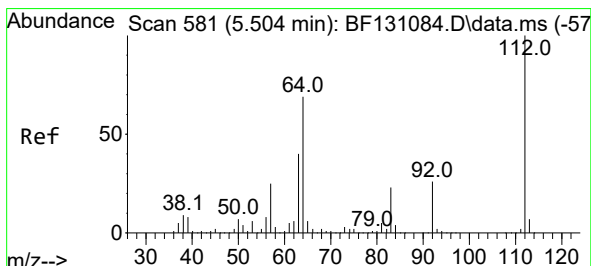
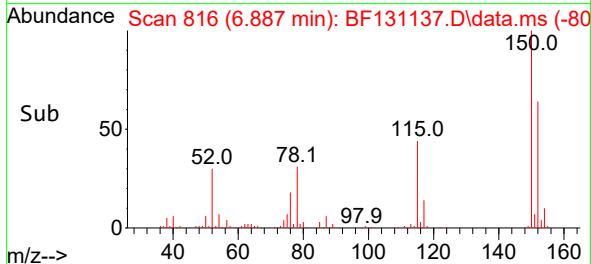
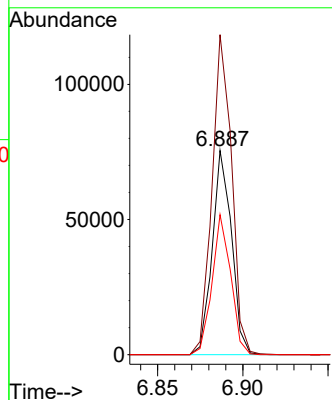
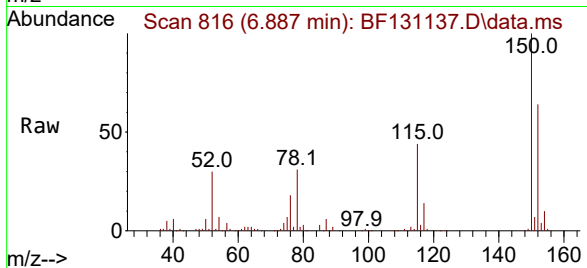




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

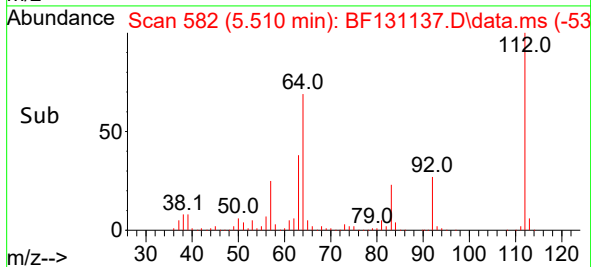
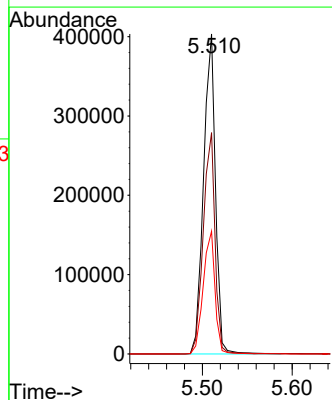
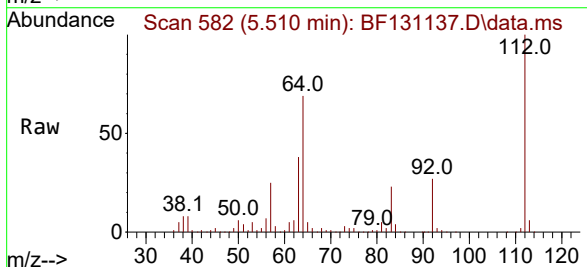
Instrument :
BNA_F
ClientSampleId :
SB-15

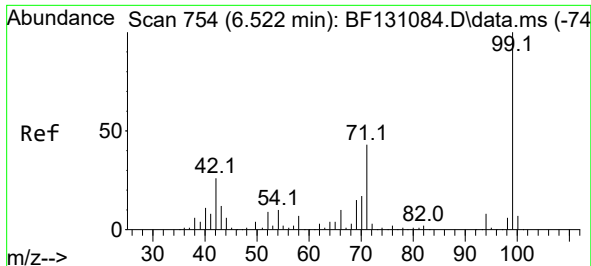
Tgt Ion:152 Resp: 59284
Ion Ratio Lower Upper
152 100
150 156.8 125.5 188.3
115 68.6 52.2 78.2



#5
2-Fluorophenol
Concen: 106.981 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:112 Resp: 372940
Ion Ratio Lower Upper
112 100
64 69.2 55.1 82.7
63 38.3 32.4 48.6

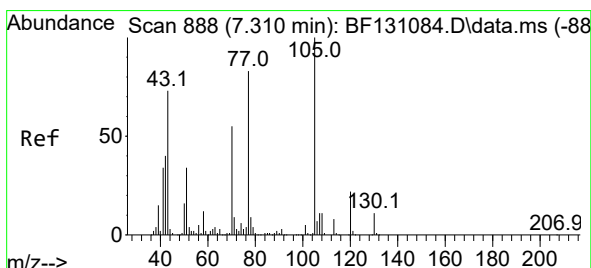
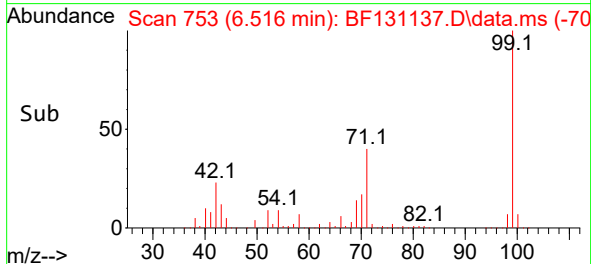
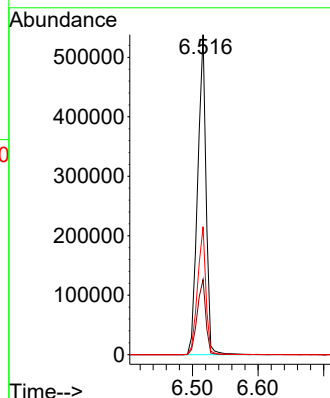
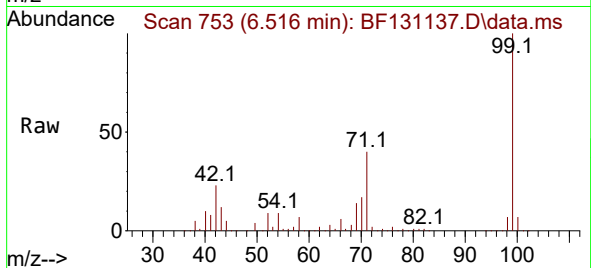




#7
Phenol-d6
Concen: 105.585 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

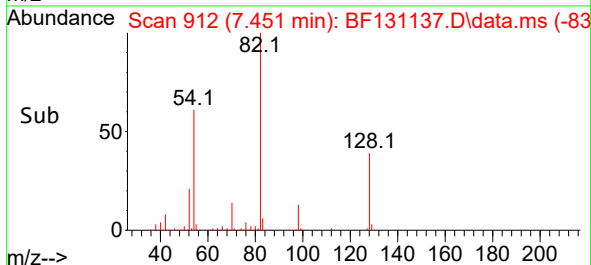
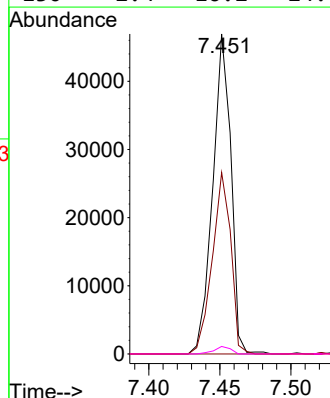
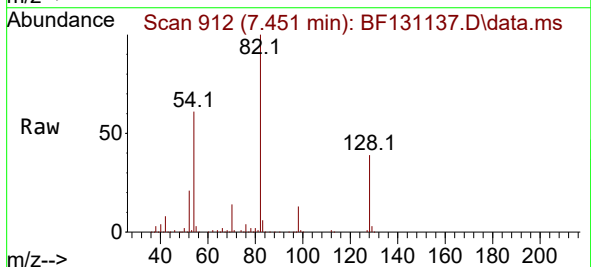
Instrument :
BNA_F
ClientSampleId :
SB-15

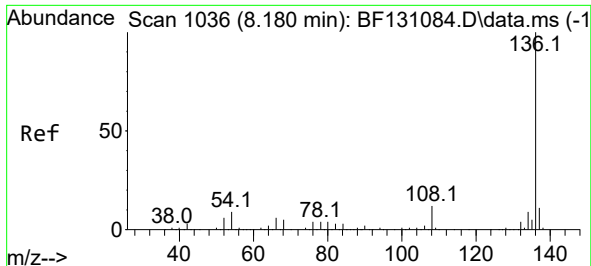
Tgt Ion: 99 Resp: 481209
Ion Ratio Lower Upper
99 100
42 23.5 20.8 31.2
71 40.0 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.930 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion: 70 Resp: 41684
Ion Ratio Lower Upper
70 100
42 56.7 58.3 87.5#
101 0.0 7.4 11.2#
130 2.4 16.2 24.4#



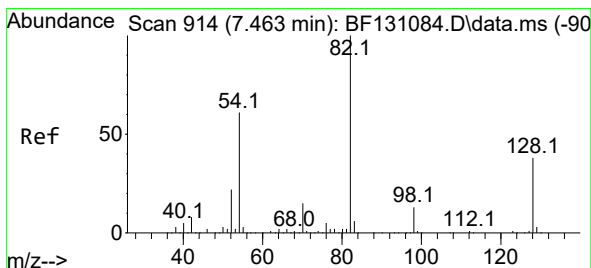
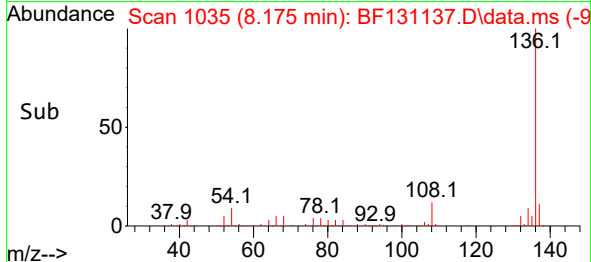
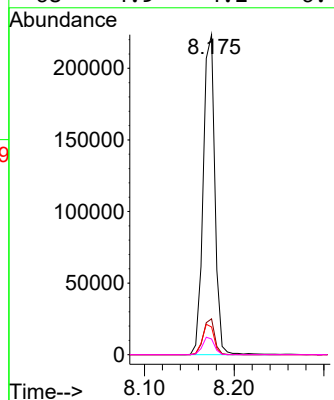
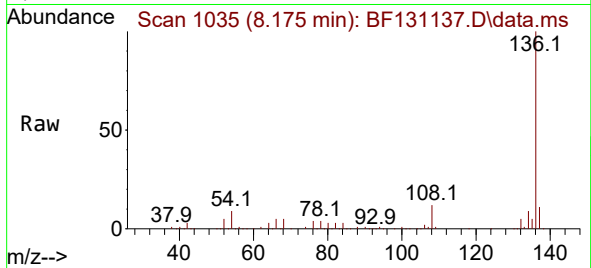


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1036
Delta R.T. -0.005 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Instrument :
BNA_F
ClientSampleId :
SB-15

Tgt Ion:136 Resp: 201656

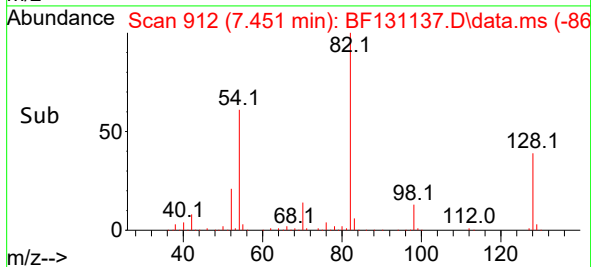
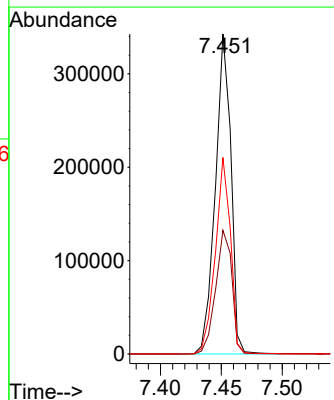
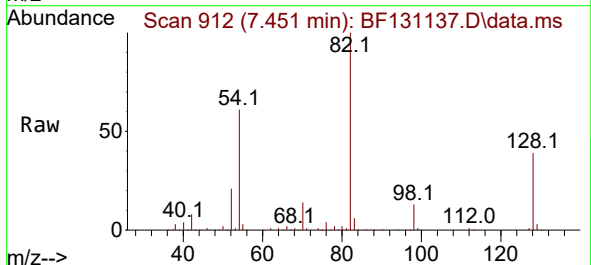
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	8.6	7.2	10.8
68	4.9	4.2	6.4

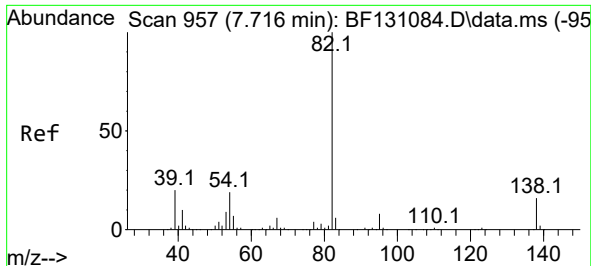


#23
Nitrobenzene-d5
Concen: 68.259 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion: 82 Resp: 305079

Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.5	45.7
54	61.4	49.1	73.7

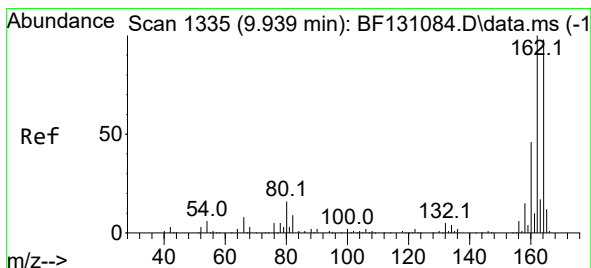
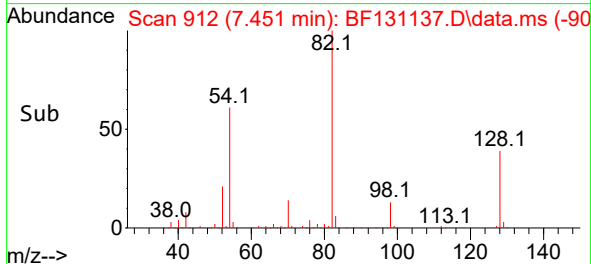
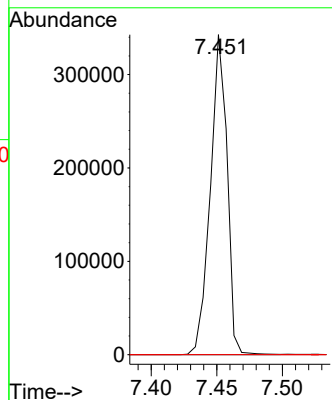
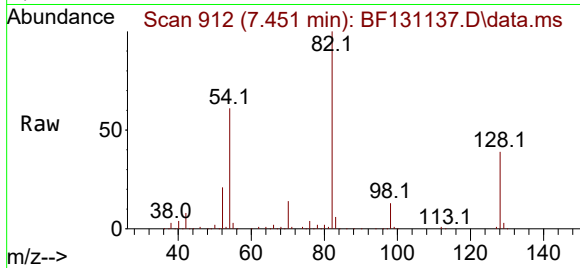




#25
Isophorone
Concen: 44.145 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

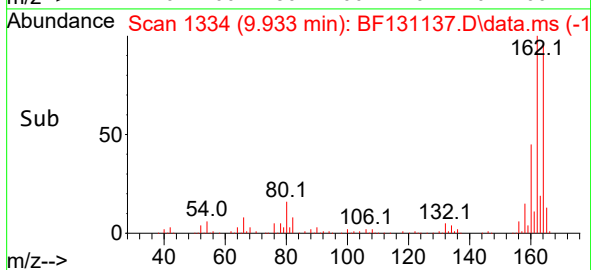
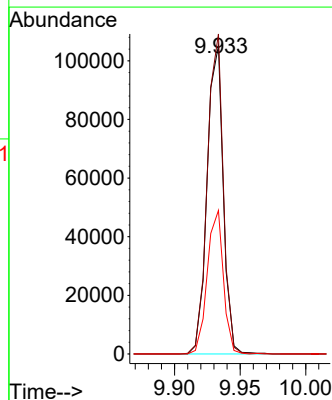
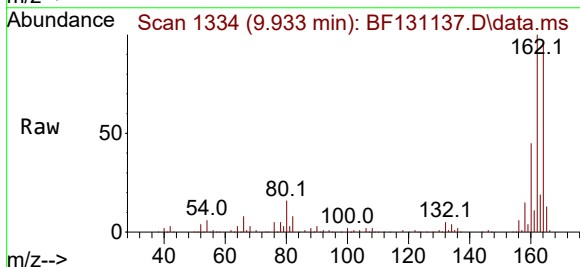
Instrument :
BNA_F
ClientSampleId :
SB-15

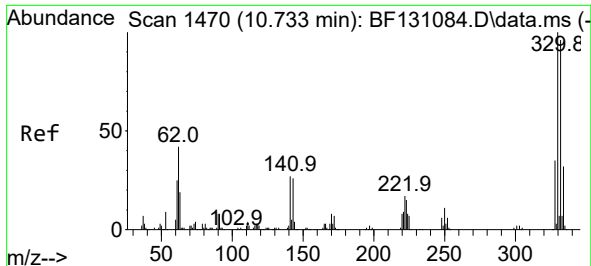
Tgt Ion: 82 Resp: 305074
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:164 Resp: 90376
Ion Ratio Lower Upper
164 100
162 103.7 81.7 122.5
160 46.5 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 91.406 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.012 min

Lab File: BF131137.D

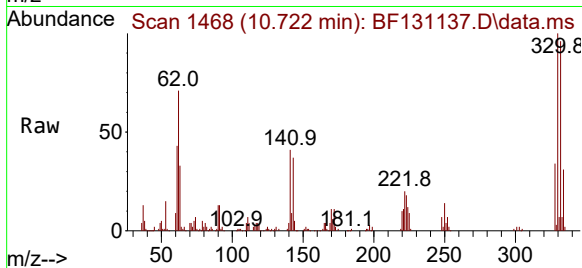
Acq: 10 Nov 2022 22:43

Instrument :

BNA_F

ClientSampleId :

SB-15



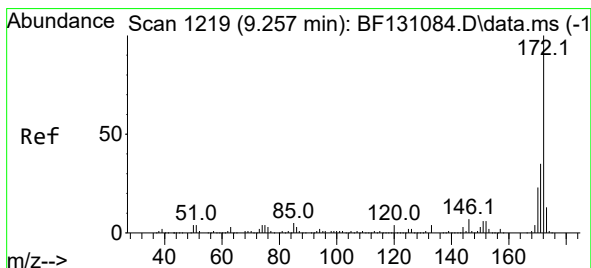
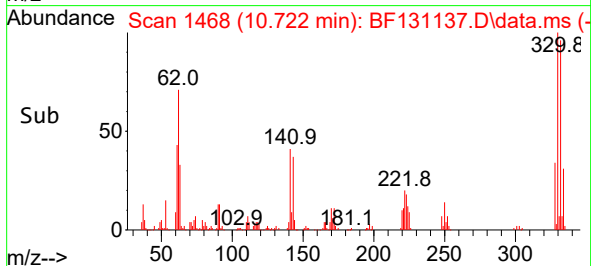
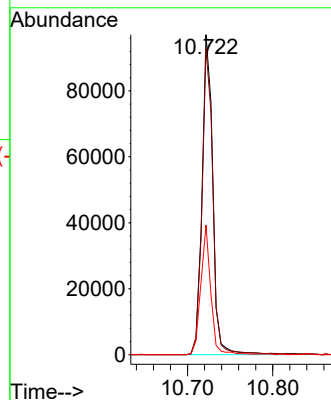
Tgt Ion:330 Resp: 85374

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.4

141 37.7 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 68.856 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

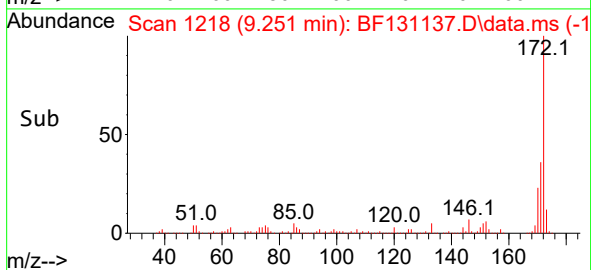
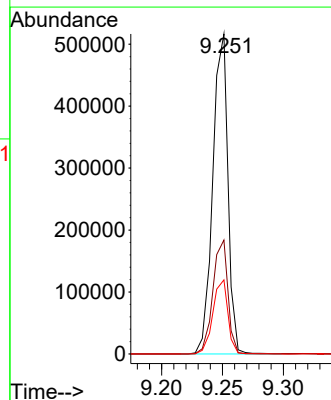
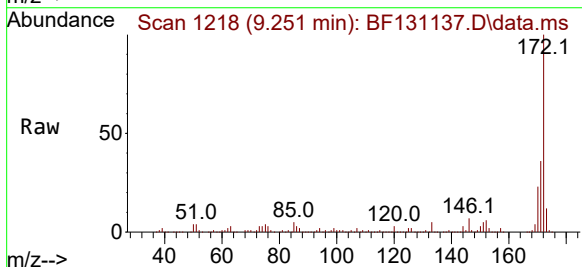
Tgt Ion:172 Resp: 445775

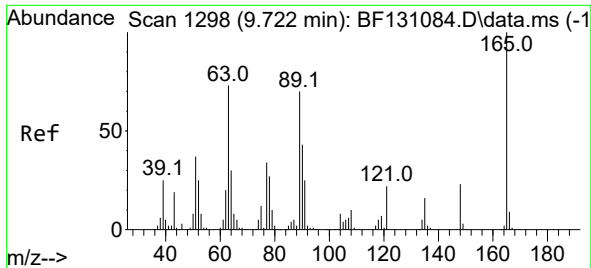
Ion Ratio Lower Upper

172 100

171 35.6 27.7 41.5

170 23.1 18.8 28.2

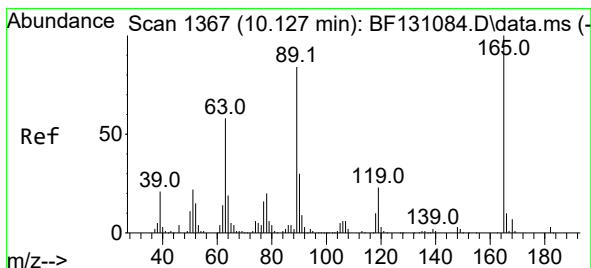
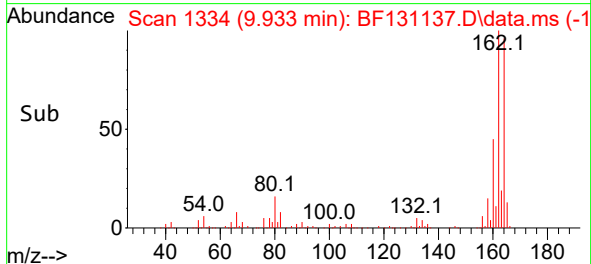
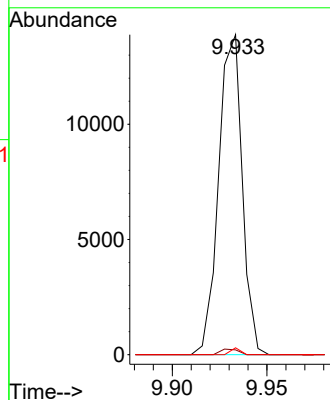
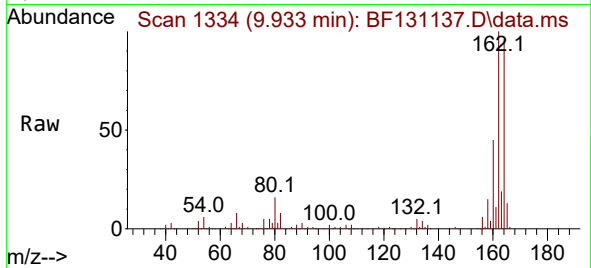




#51
2,6-Dinitrotoluene
Concen: 8.528 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

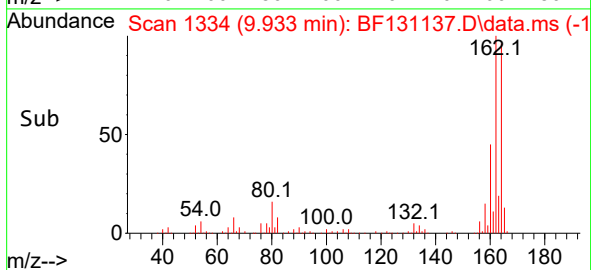
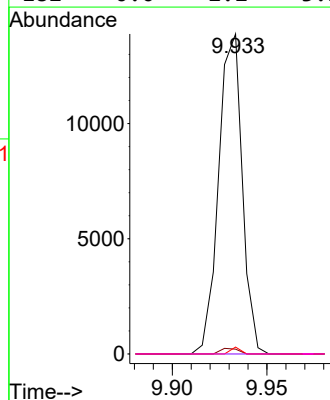
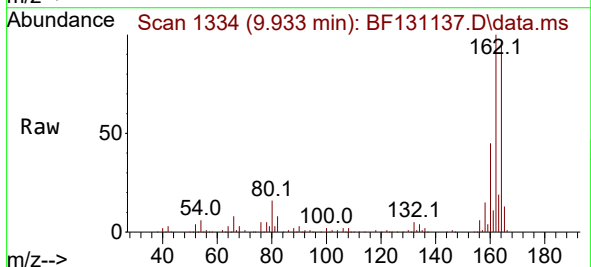
Instrument :
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ClientSampleId :
SB-15

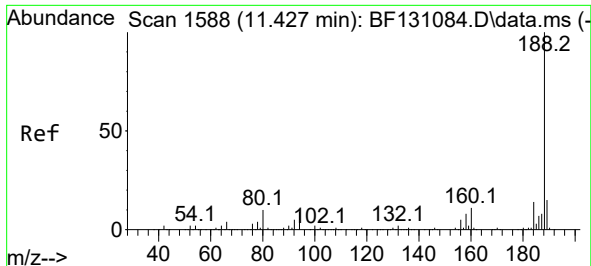
Tgt Ion:165 Resp: 12048
Ion Ratio Lower Upper
165 100
63 1.5 61.4 92.2#
89 2.2 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.415 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.194 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:165 Resp: 12048
Ion Ratio Lower Upper
165 100
63 1.5 46.9 70.3#
89 2.2 66.9 100.3#
182 0.0 2.2 3.2#

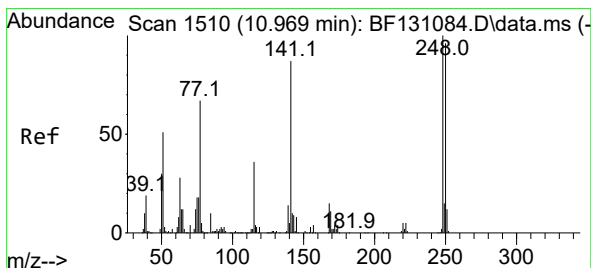
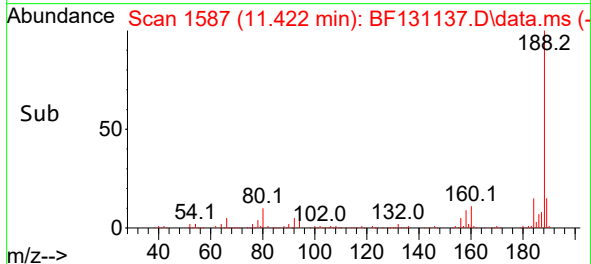
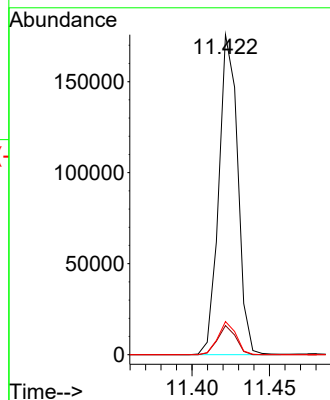
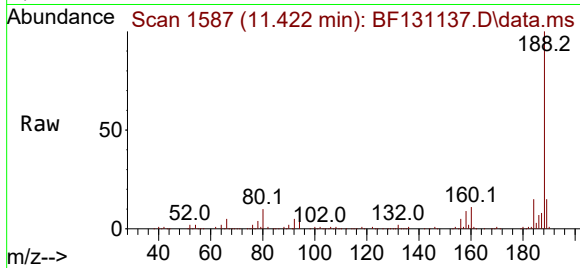




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

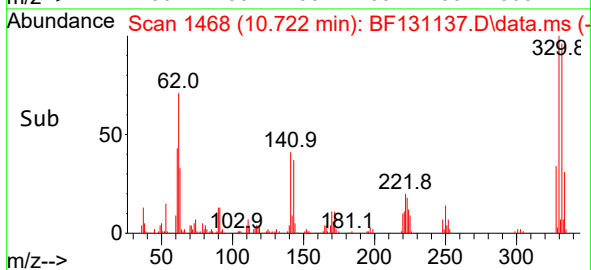
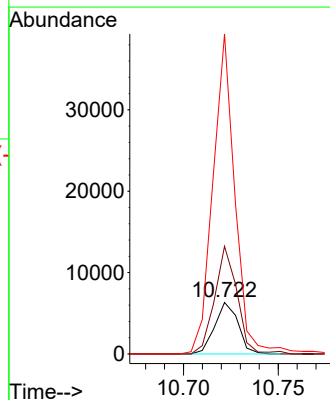
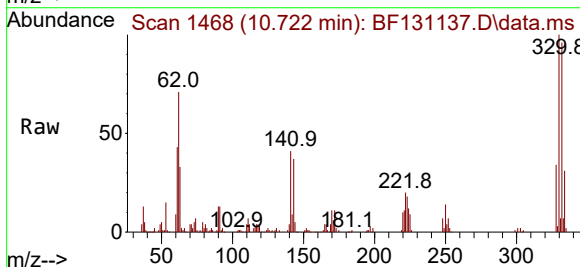
Instrument :
BNA_F
ClientSampleId :
SB-15

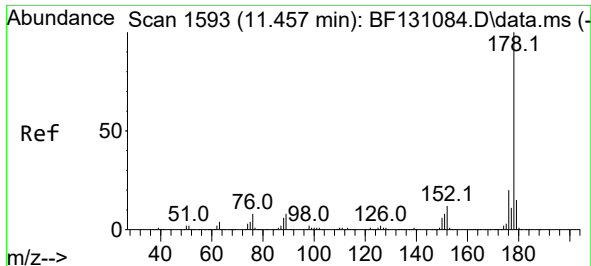
Tgt Ion:188 Resp: 149469
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 10.4 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.219 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:248 Resp: 5441
Ion Ratio Lower Upper
248 100
250 209.0 77.0 115.6#
141 621.1 69.7 104.5#

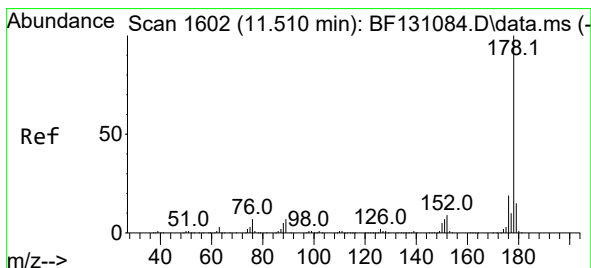
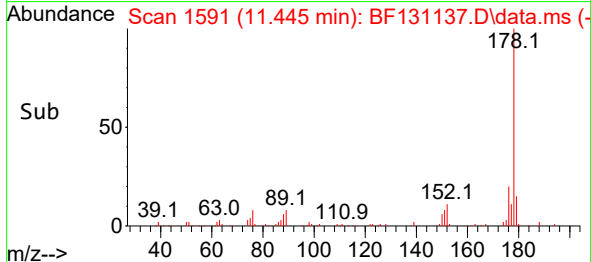
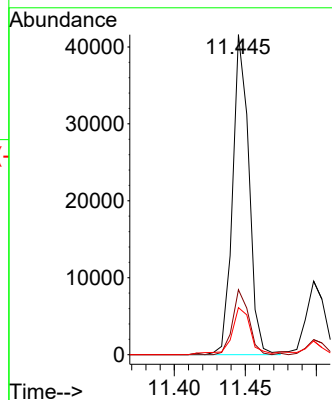
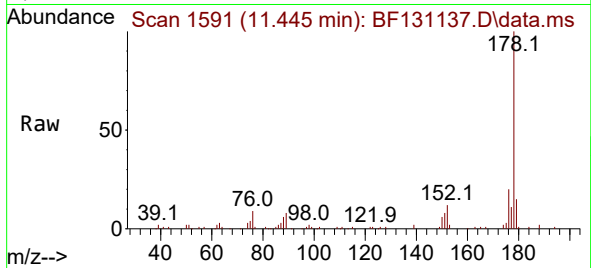




#71
Phenanthrene
Concen: 4.062 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

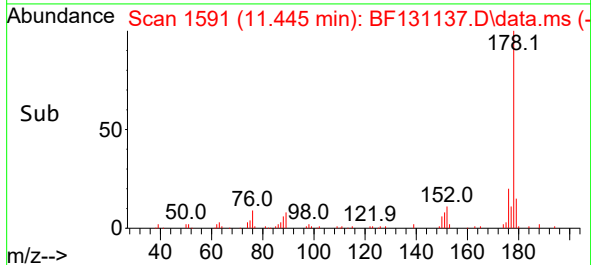
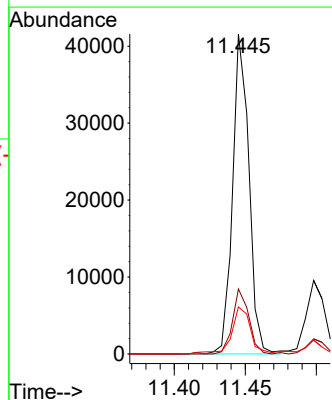
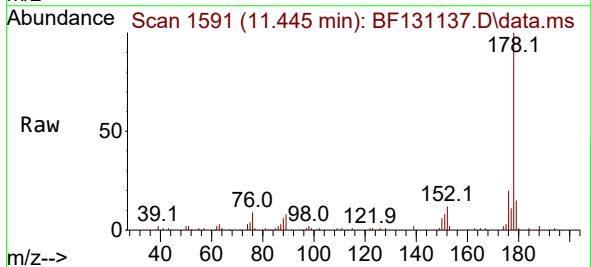
Instrument :
BNA_F
ClientSampleId :
SB-15

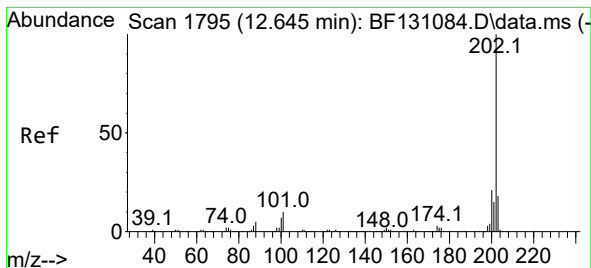
Tgt Ion:178 Resp: 33392
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 14.7 12.2 18.2



#72
Anthracene
Concen: 4.185 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.065 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:178 Resp: 33392
Ion Ratio Lower Upper
178 100
176 20.3 15.0 22.6
179 14.7 11.8 17.8





#75

Fluoranthene

Concen: 8.469 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

Instrument :

BNA_F

ClientSampleId :

SB-15

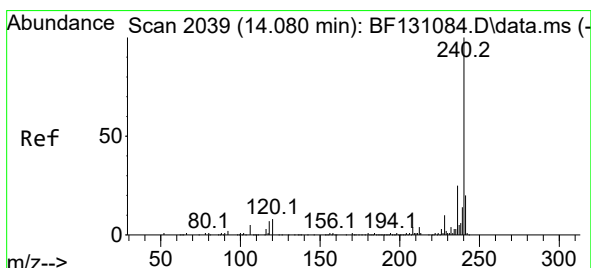
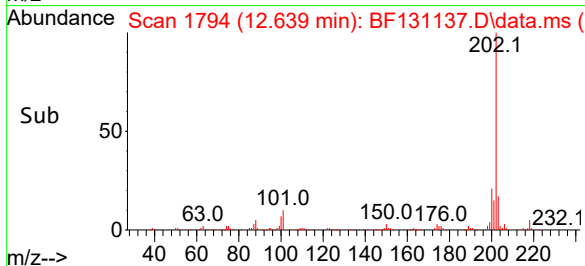
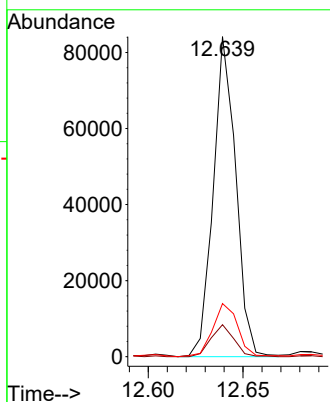
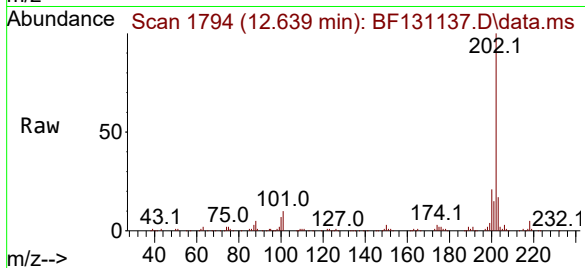
Tgt Ion:202 Resp: 69689

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.0

203 16.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

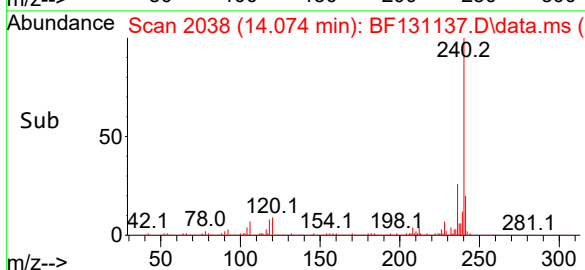
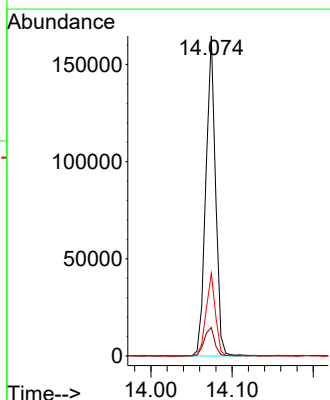
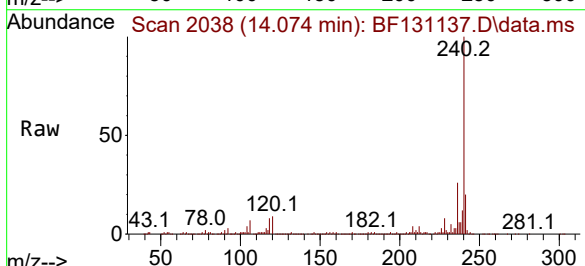
Tgt Ion:240 Resp: 136465

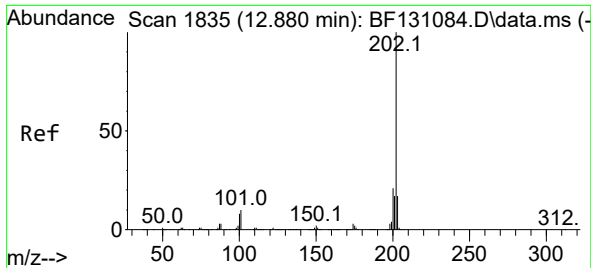
Ion Ratio Lower Upper

240 100

120 8.8 6.5 9.7

236 25.9 19.7 29.5

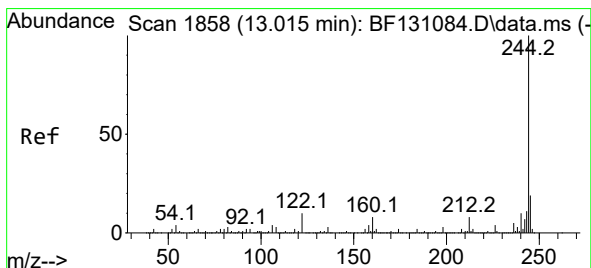
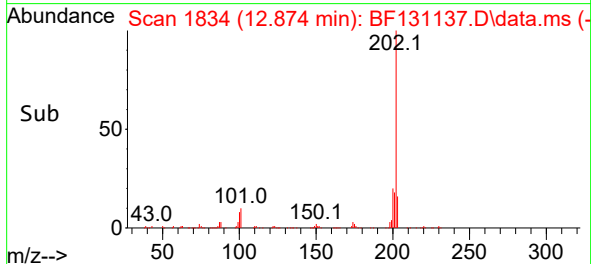
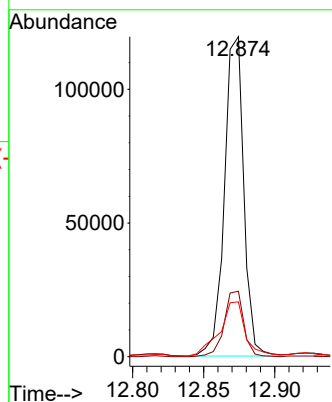
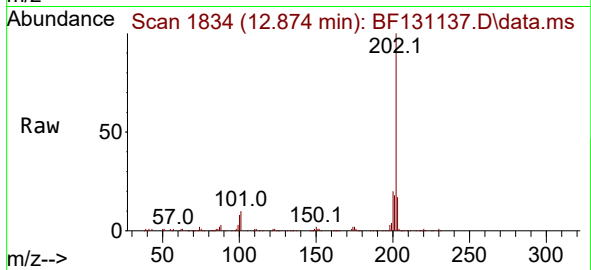




#78
 Pyrene
 Concen: 9.685 ng
 RT: 12.874 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131137.D
 Acq: 10 Nov 2022 22:43

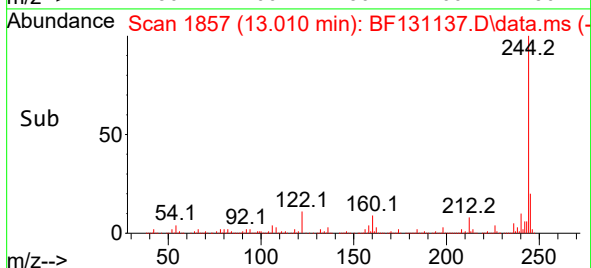
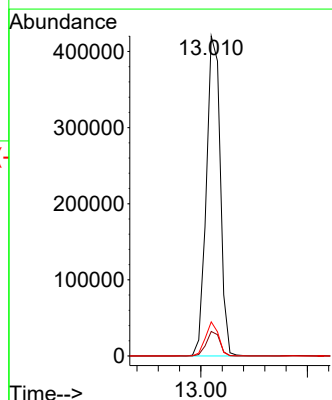
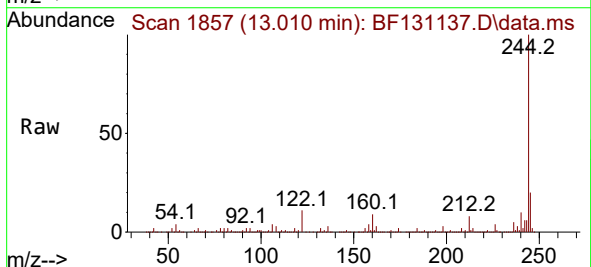
Instrument :
 BNA_F
 ClientSampleId :
 SB-15

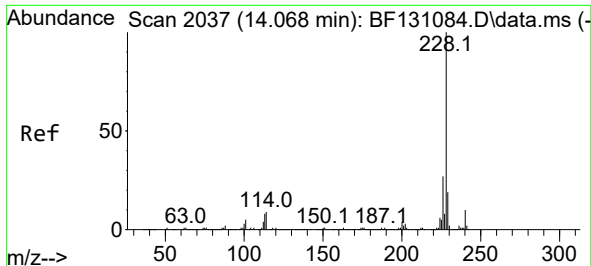
Tgt Ion:202 Resp: 113387
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.8 25.2
 203 17.2 13.6 20.4



#79
 Terphenyl-d14
 Concen: 49.349 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.005 min
 Lab File: BF131137.D
 Acq: 10 Nov 2022 22:43

Tgt Ion:244 Resp: 384096
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.6 7.8 11.8

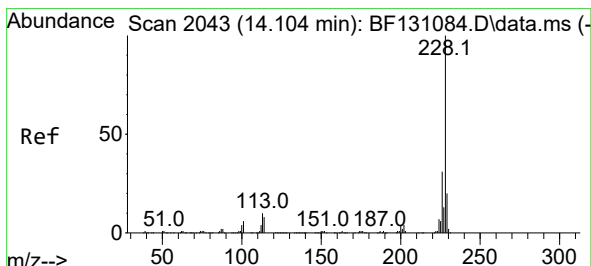
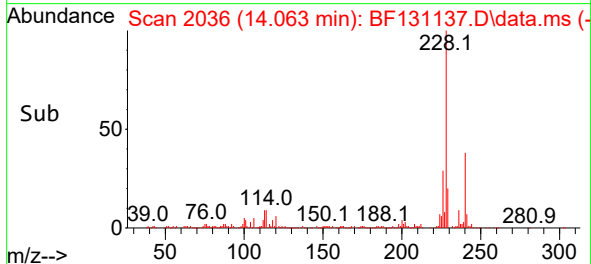
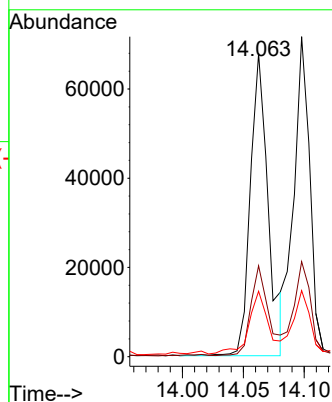
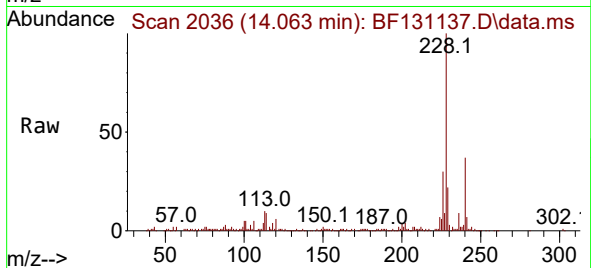




#81
Benzo(a)anthracene
Concen: 7.082 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

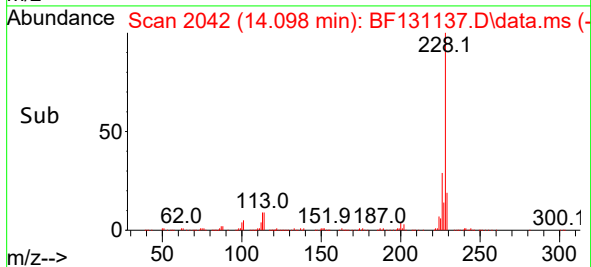
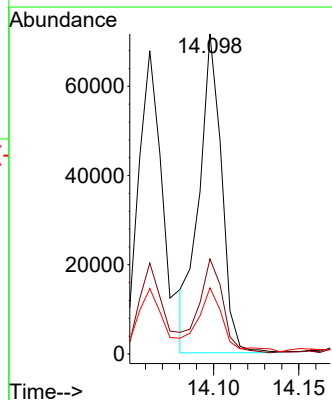
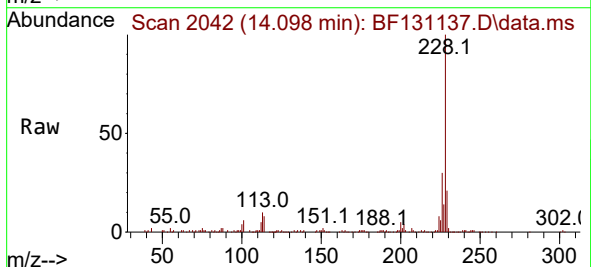
Instrument :
BNA_F
ClientSampleId :
SB-15

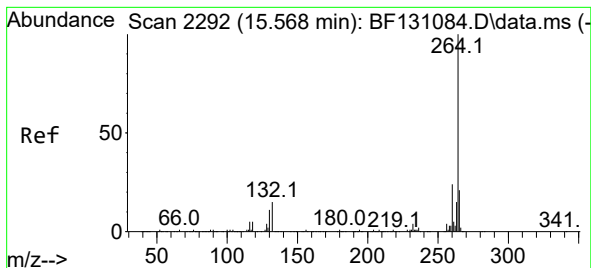
Tgt Ion:228 Resp: 69076
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.6
229 21.6 15.4 23.2



#83
Chrysene
Concen: 7.148 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:228 Resp: 65849
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 20.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

Instrument :

BNA_F

ClientSampleId :

SB-15

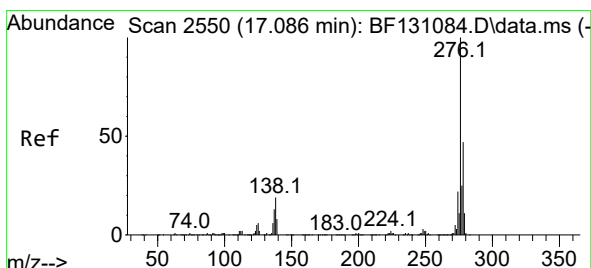
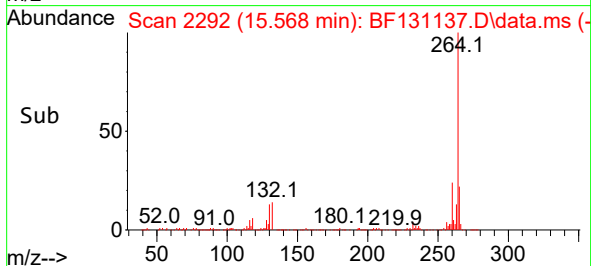
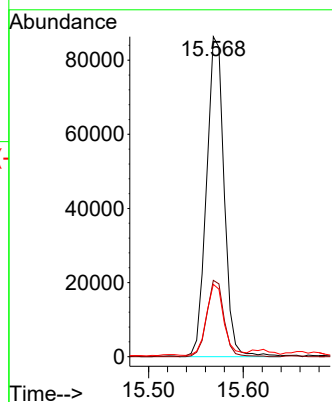
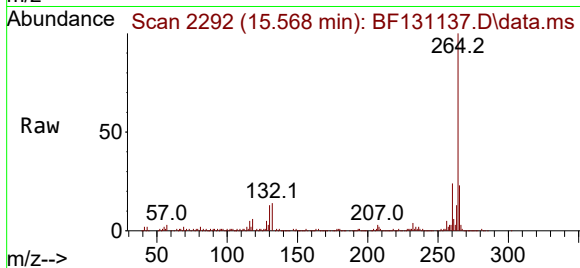
Tgt Ion:264 Resp: 111286

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.797 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

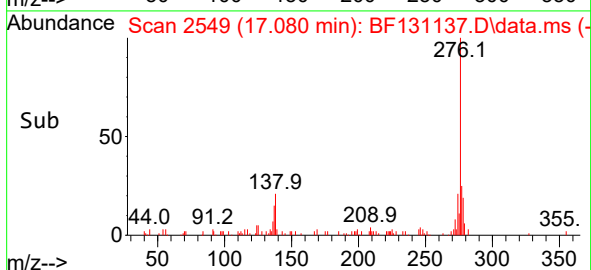
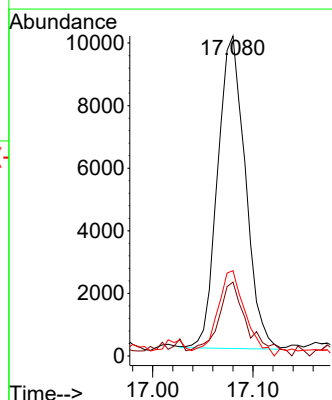
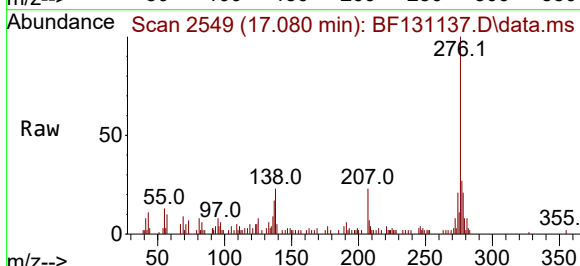
Tgt Ion:276 Resp: 19131

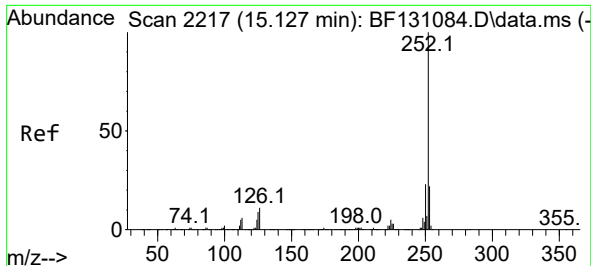
Ion Ratio Lower Upper

276 100

138 25.6 16.9 25.3#

277 27.7 20.3 30.5

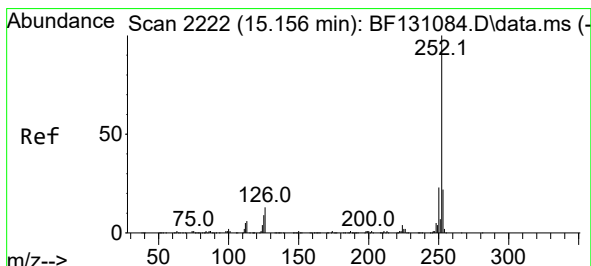
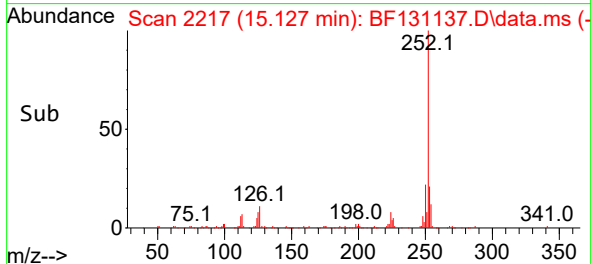
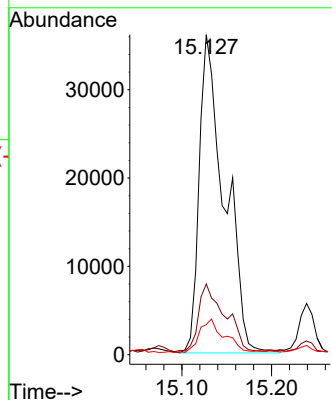
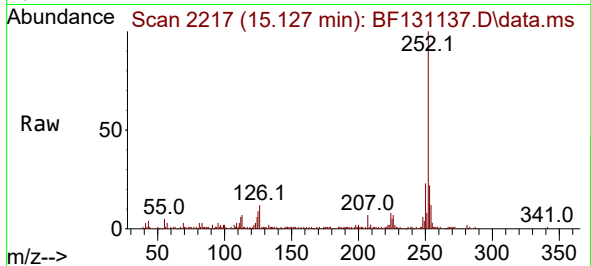




#88
Benzo(b)fluoranthene
Concen: 8.946 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

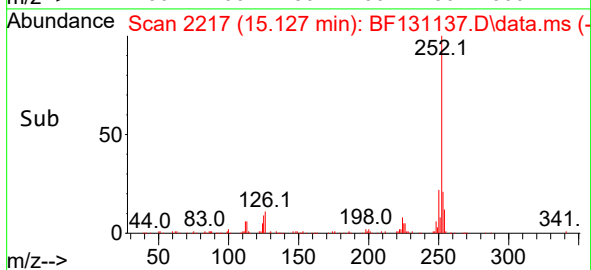
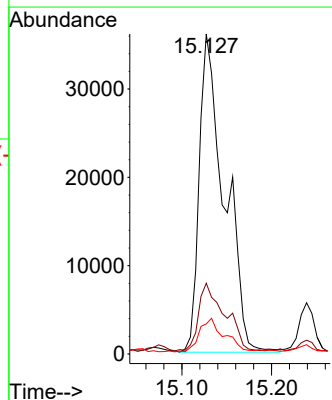
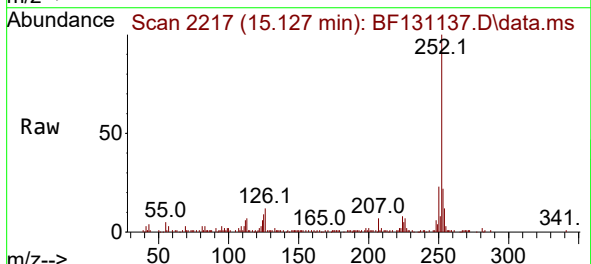
Instrument :
BNA_F
ClientSampleId :
SB-15

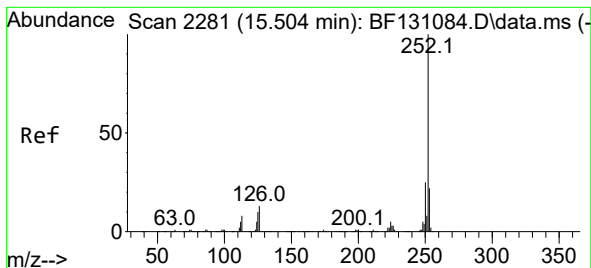
Tgt Ion:252 Resp: 70391
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 9.4 7.2 10.8



#89
Benzo(k)fluoranthene
Concen: 9.308 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.029 min
Lab File: BF131137.D
Acq: 10 Nov 2022 22:43

Tgt Ion:252 Resp: 70391
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 9.4 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.123 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

Instrument :

BNA_F

ClientSampleId :

SB-15

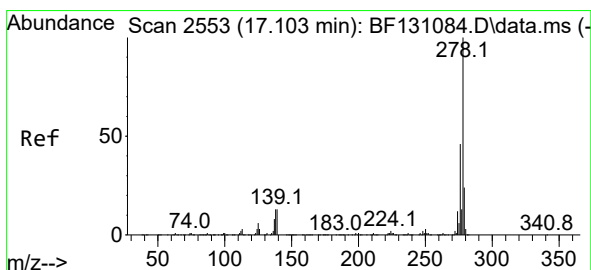
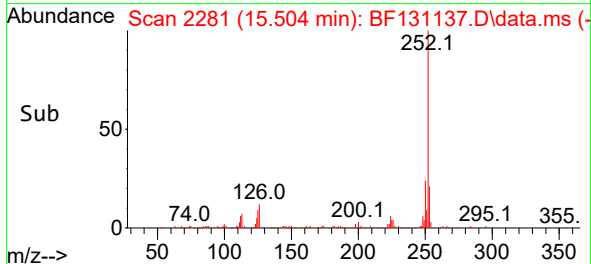
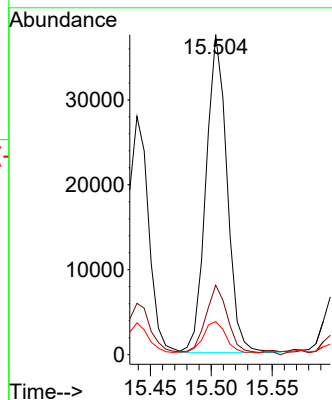
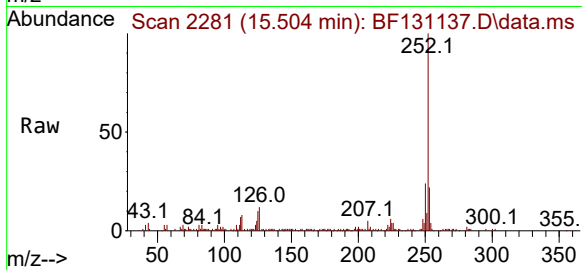
Tgt Ion:252 Resp: 44931

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 10.4 8.1 12.1



#91

Dibenzo(a,h)anthracene

Concen: 4.615 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.017 min

Lab File: BF131137.D

Acq: 10 Nov 2022 22:43

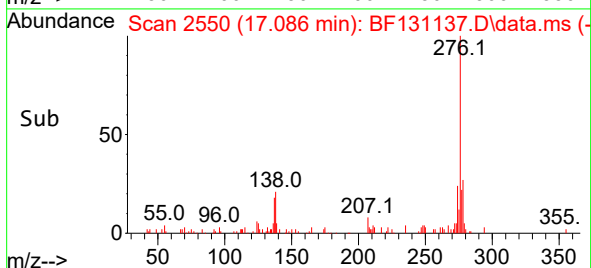
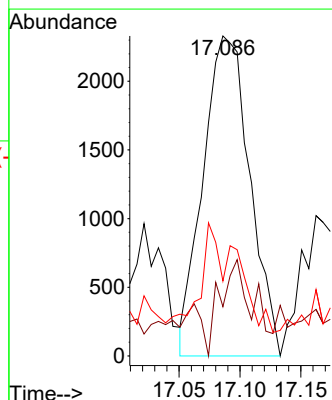
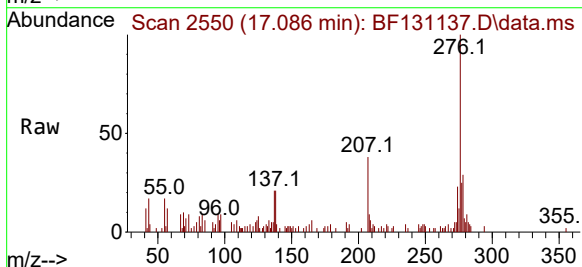
Tgt Ion:278 Resp: 6225

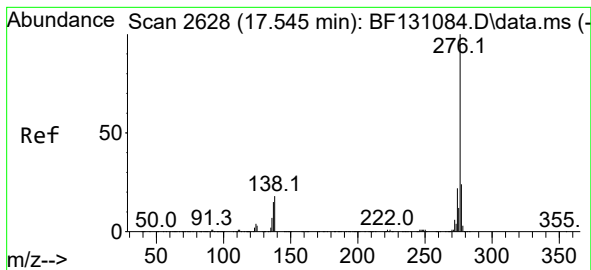
Ion Ratio Lower Upper

278 100

139 15.4 10.8 16.2

279 23.4 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 4.813 ng

RT: 17.786 min Scan# 20

Delta R.T. 0.241 min

Lab File: BF131137.D

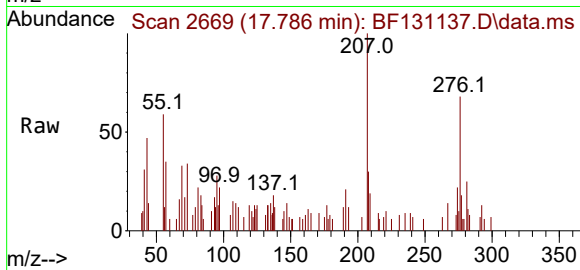
Acq: 10 Nov 2022 22:43

Instrument :

BNA_F

ClientSampleId :

SB-15



Tgt Ion:276 Resp: 3846

Ion Ratio Lower Upper

276 100

277 26.7 19.0 28.4

138 18.1 14.6 21.8

