

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133877.D
 Acq On : 21 Jun 2023 18:29
 Operator : CG\JU
 Sample : 03298-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 05:58:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

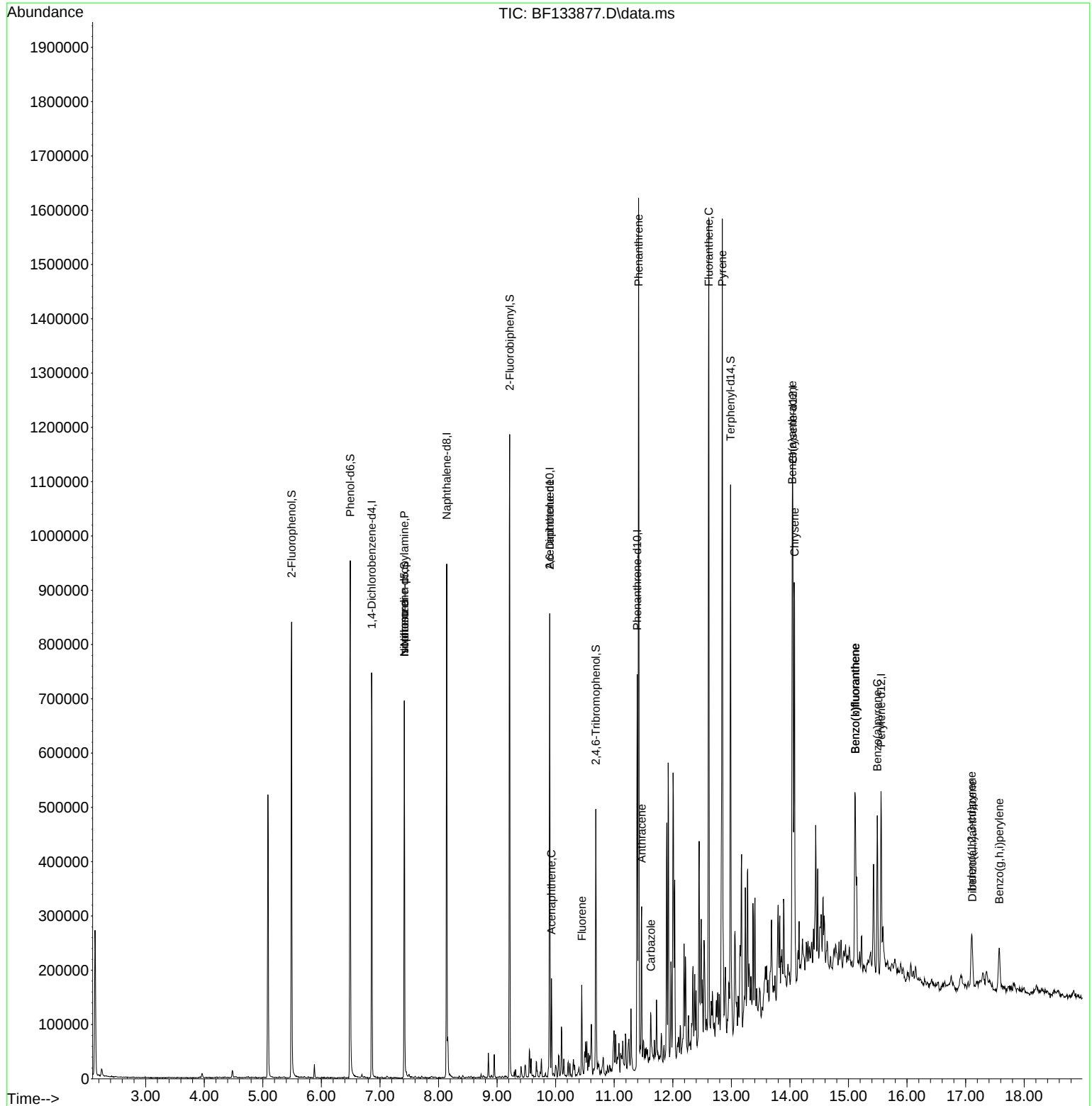
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	105329	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	373843	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	151652	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	259878	20.000	ng	0.00
76) Chrysene-d12	14.051	240	199101	20.000	ng	0.00
86) Perylene-d12	15.557	264	155084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	214386	35.434	ng	0.00
7) Phenol-d6	6.492	99	268561	34.101	ng	0.00
23) Nitrobenzene-d5	7.416	82	185130	26.972	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	47123	24.548	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	342202	32.076	ng	0.00
79) Terphenyl-d14	12.986	244	314778	24.463	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	25672	5.123	ng	# 81
25) Isophorone	7.416	82	185127	14.692	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	21314	9.122	ng	# 28
52) Acenaphthene	9.928	154	33034	3.696	ng	98
58) Fluorene	10.445	166	42068	4.033	ng	# 96
71) Phenanthrene	11.416	178	547400	41.517	ng	99
72) Anthracene	11.469	178	111433	8.106	ng	98
73) Carbazole	11.627	167	30508	2.383	ng	97
75) Fluoranthene	12.616	202	565261	40.372	ng	100
78) Pyrene	12.845	202	616938	33.263	ng	99
81) Benzo(a)anthracene	14.039	228	310910	22.576	ng	97
83) Chrysene	14.080	228	306350	23.519	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	74440	6.977	ng	97
88) Benzo(b)fluoranthene	15.115	252	259754	27.573	ng	# 98
89) Benzo(k)fluoranthene	15.115	252	259754	28.305	ng	98
90) Benzo(a)pyrene	15.492	252	143627	16.427	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	22556	2.554	ng	# 85
92) Benzo(g,h,i)perylene	17.574	276	68945	7.872	ng	# 95

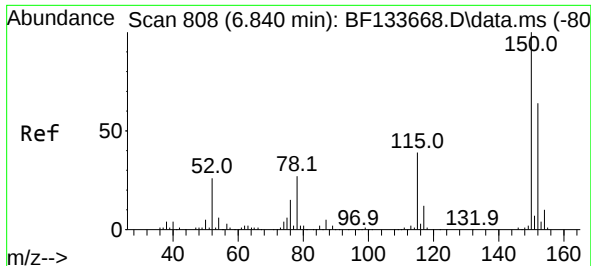
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133877.D
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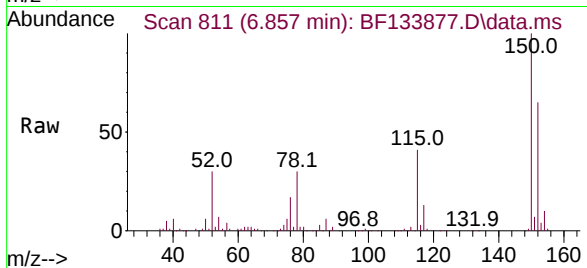
Quant Time: Jun 22 05:58:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
Response via : Initial Calibration



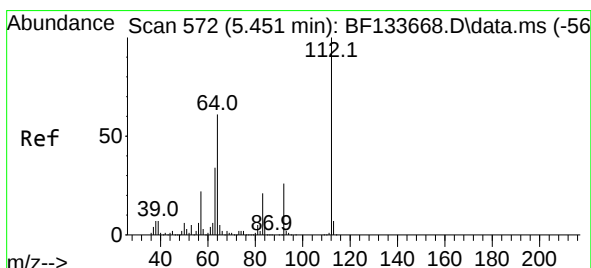
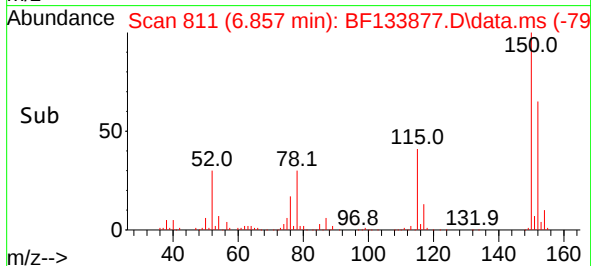
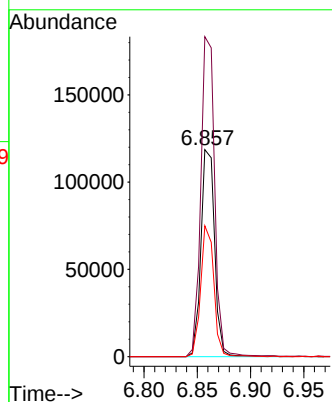


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Instrument :
BNA_F
ClientSampleId :

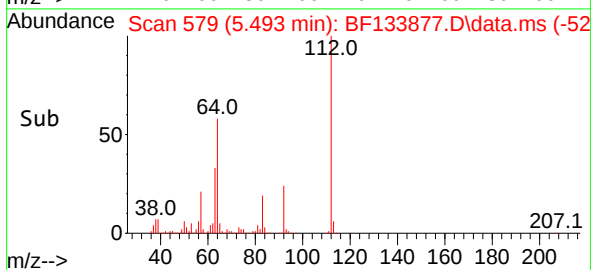
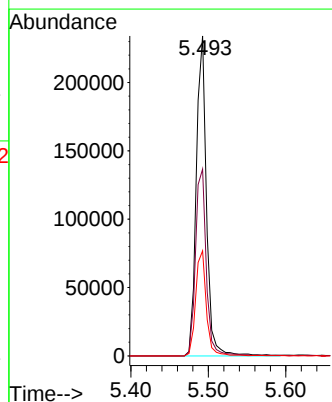
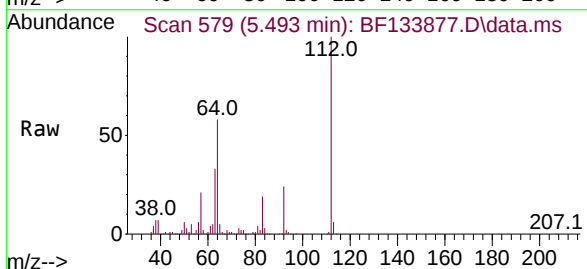


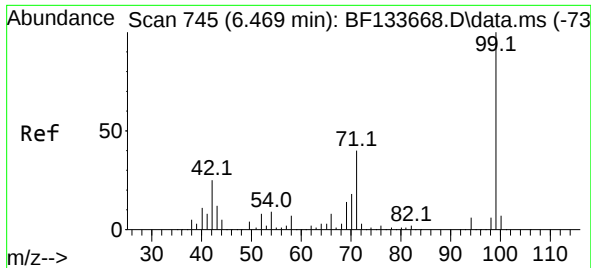
Tgt Ion:152 Resp: 105329
Ion Ratio Lower Upper
152 100
150 154.7 124.3 186.5
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 35.434 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

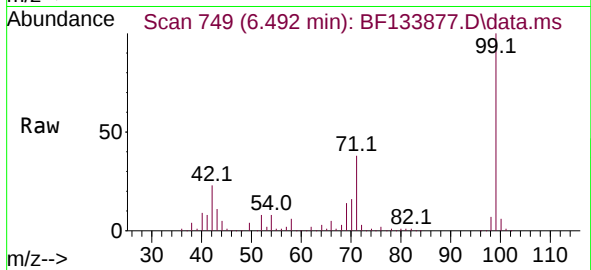
Tgt Ion:112 Resp: 214386
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.4
63 32.8 26.8 40.2



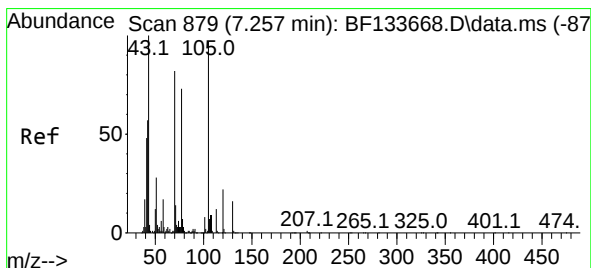
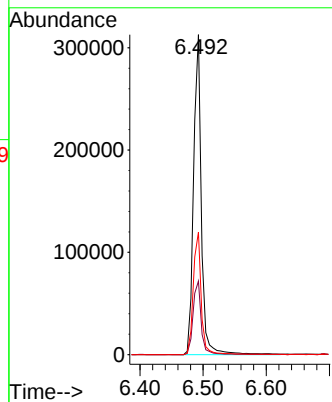
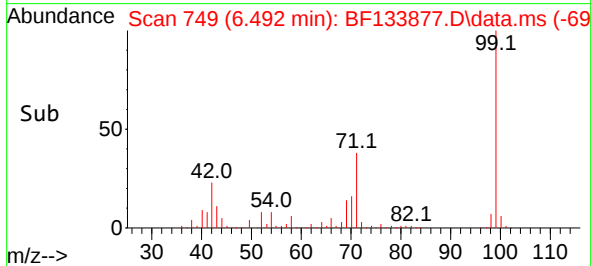


#7
Phenol-d6
Concen: 34.101 ng
RT: 6.492 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

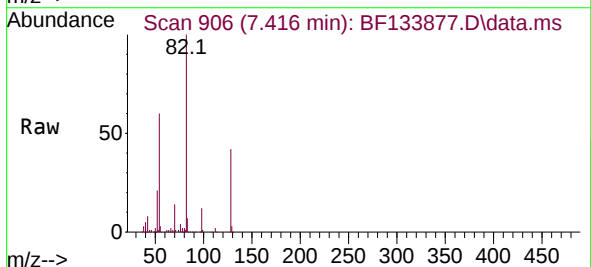
Instrument :
BNA_F
ClientSampleId :



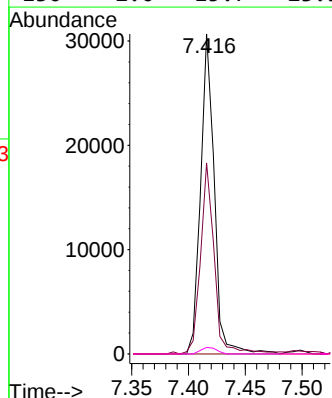
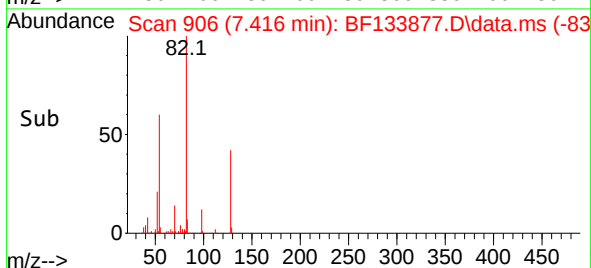
Tgt Ion: 99 Resp: 268561
Ion Ratio Lower Upper
99 100
42 23.0 19.9 29.9
71 38.3 32.2 48.4

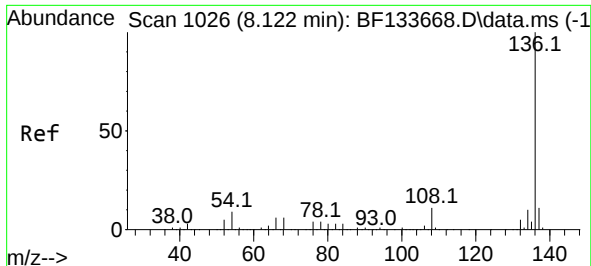


#19
n-Nitroso-di-n-propylamine
Concen: 5.123 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29



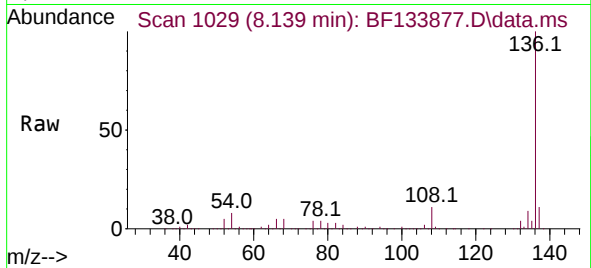
Tgt Ion: 70 Resp: 25672
Ion Ratio Lower Upper
70 100
42 59.7 55.8 83.8
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#



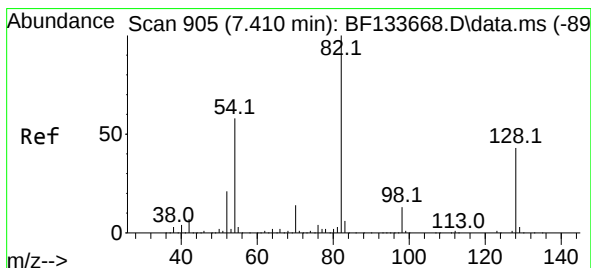
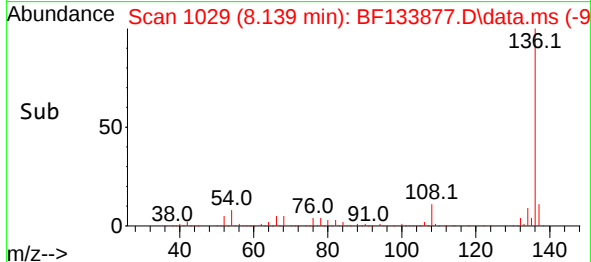
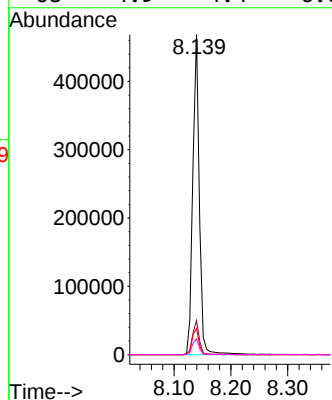


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Instrument :
BNA_F
ClientSampleId :

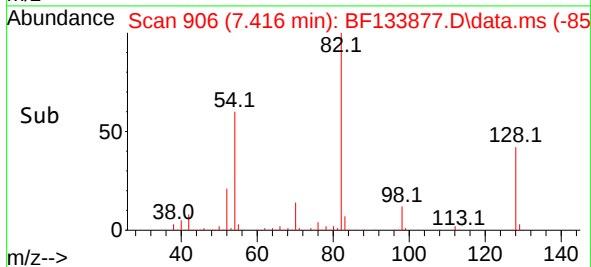
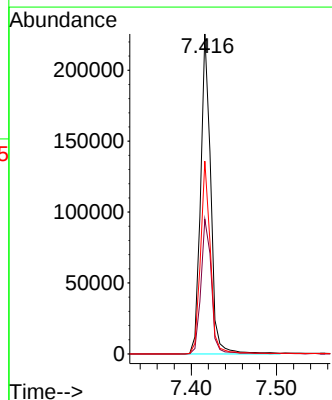
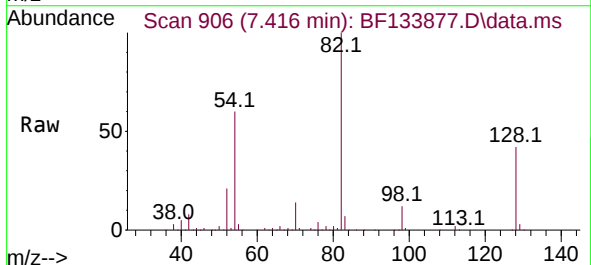


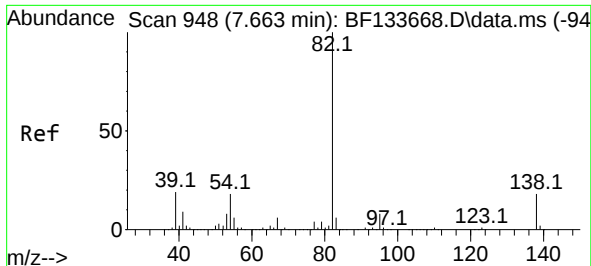
Tgt Ion:136 Resp: 373843
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 26.972 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion: 82 Resp: 185130
Ion Ratio Lower Upper
82 100
128 42.1 34.2 51.2
54 60.2 46.5 69.7

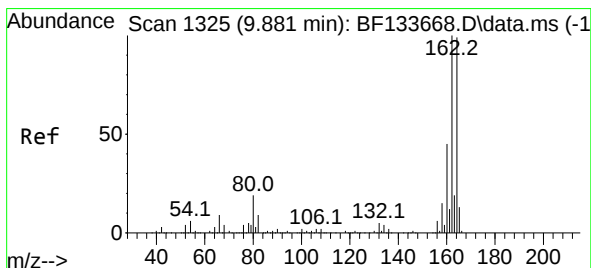
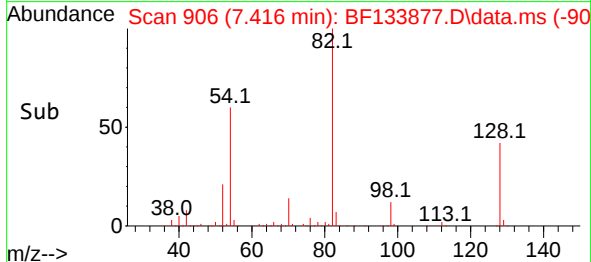
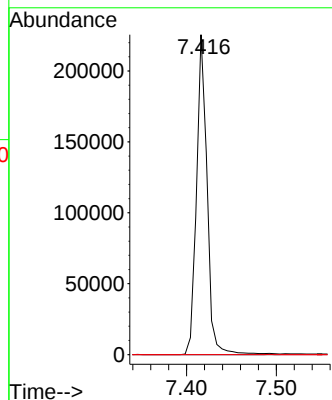
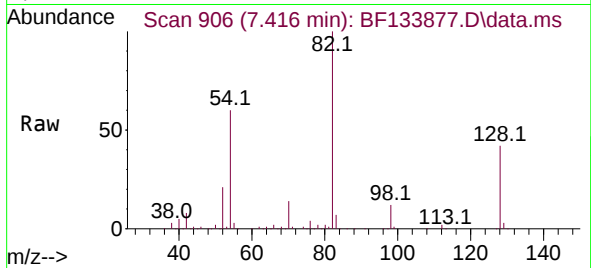




#25
Isophorone
Concen: 14.692 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

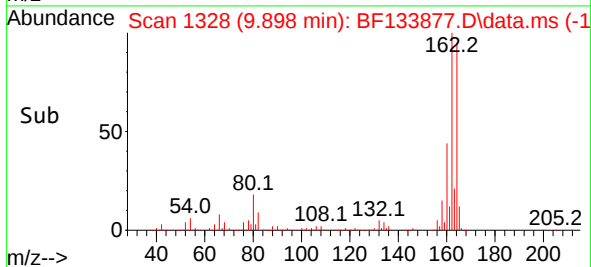
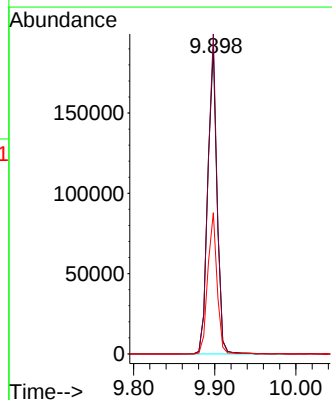
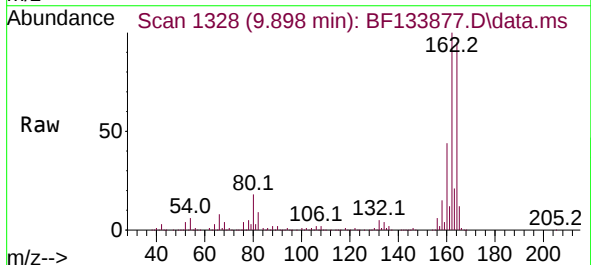
Instrument :
BNA_F
ClientSampleId :

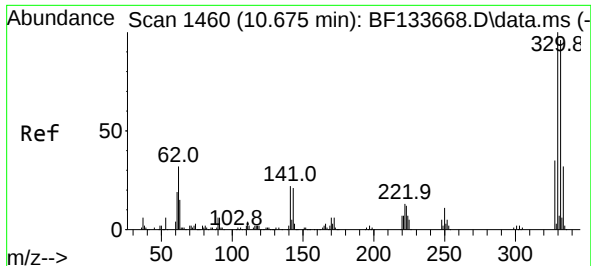
Tgt Ion: 82 Resp: 185127
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

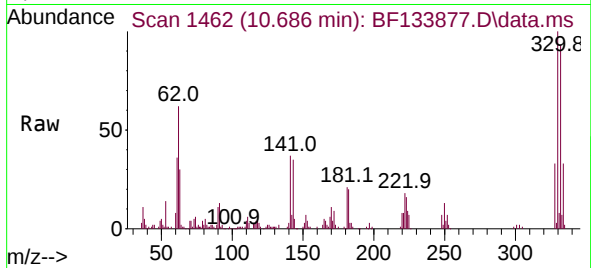
Tgt Ion:164 Resp: 151652
Ion Ratio Lower Upper
164 100
162 104.9 80.8 121.2
160 46.3 36.7 55.1



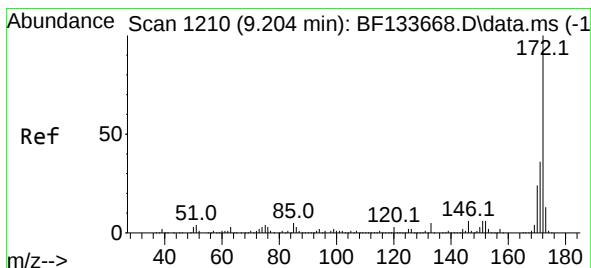
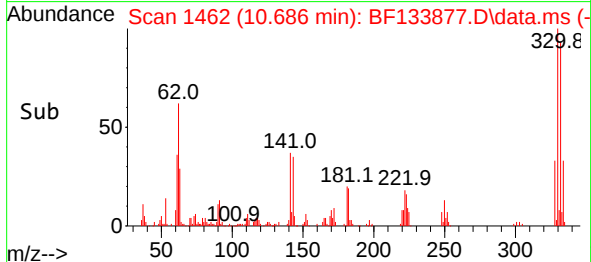
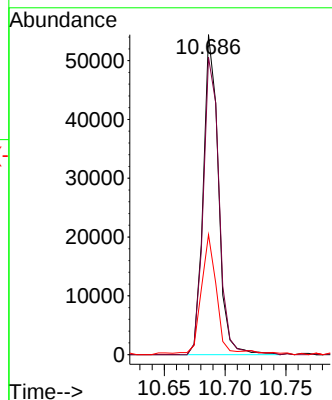


#42
2,4,6-Tribromophenol
Concen: 24.548 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Instrument :
BNA_F
ClientSampleId :

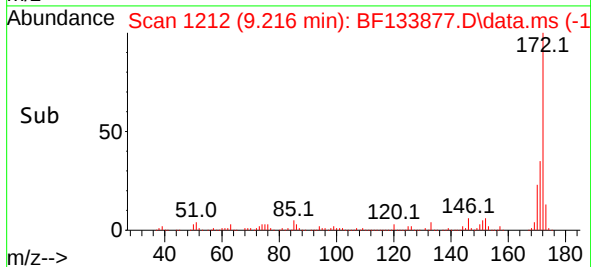
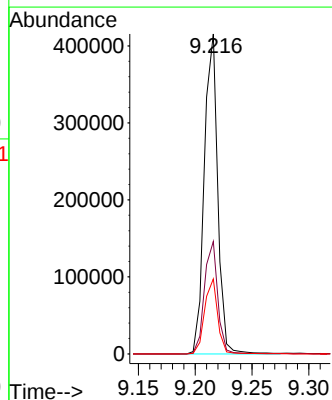
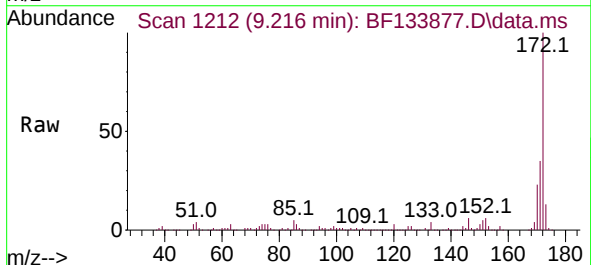


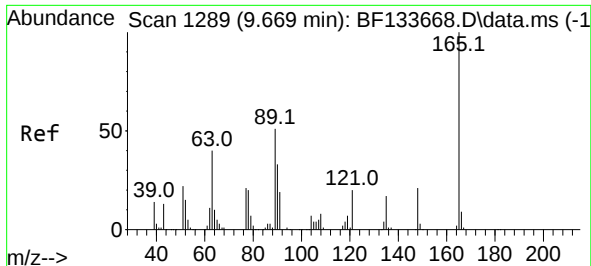
Tgt Ion:330 Resp: 47123
Ion Ratio Lower Upper
330 100
332 97.8 77.2 115.8
141 39.7 24.9 37.3#



#45
2-Fluorobiphenyl
Concen: 32.076 ng
RT: 9.216 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:172 Resp: 342202
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.4 19.1 28.7

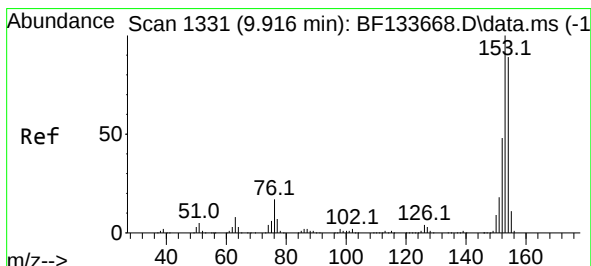
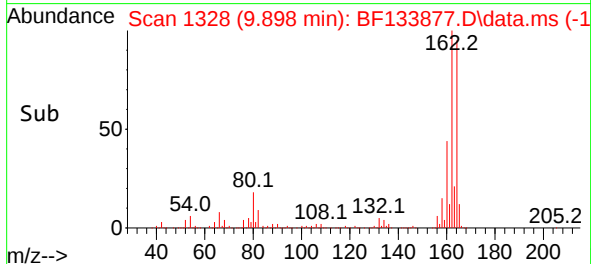
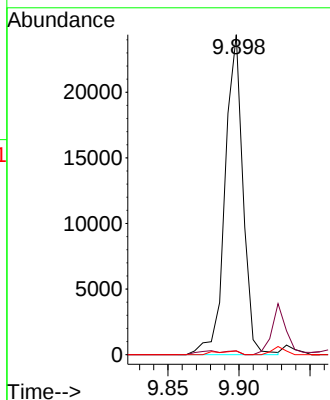
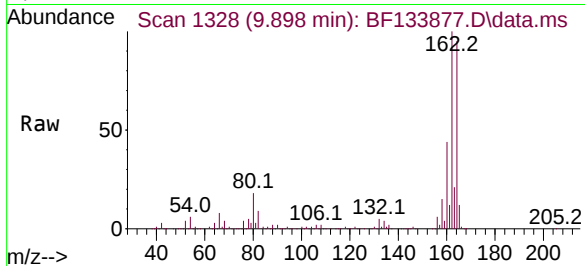




#51
2,6-Dinitrotoluene
Concen: 9.122 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.218 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

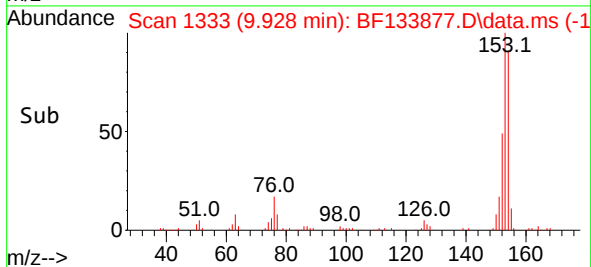
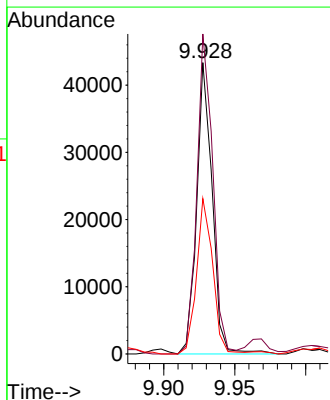
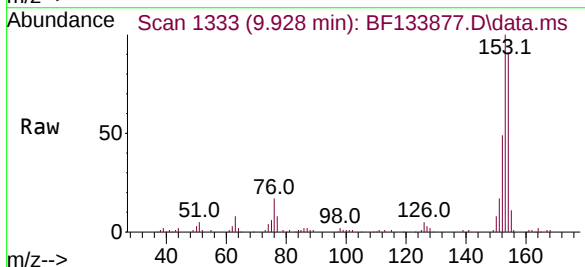
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BNA_F
ClientSampleId :

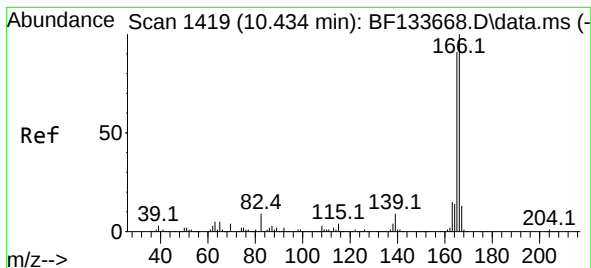
Tgt Ion:165 Resp: 21314
Ion Ratio Lower Upper
165 100
63 1.1 42.1 63.1#
89 1.2 40.9 61.3#



#52
Acenaphthene
Concen: 3.696 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:154 Resp: 33034
Ion Ratio Lower Upper
154 100
153 109.9 89.8 134.8
152 53.3 43.4 65.2





#58

Fluorene

Concen: 4.033 ng

RT: 10.445 min Scan# 1419

Delta R.T. 0.000 min

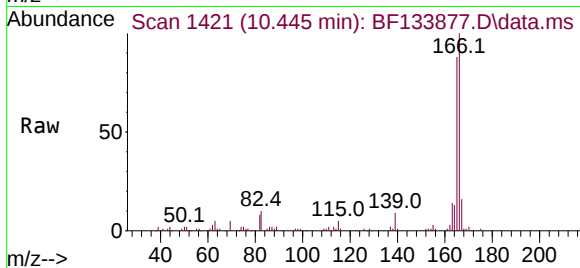
Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :



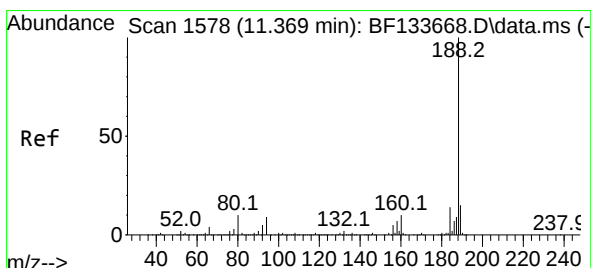
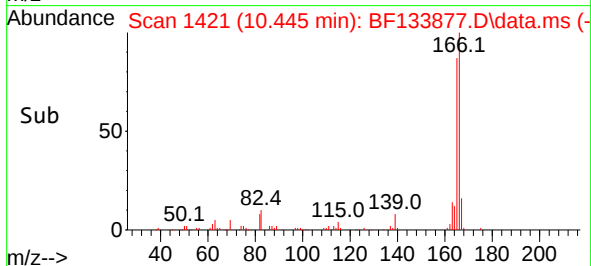
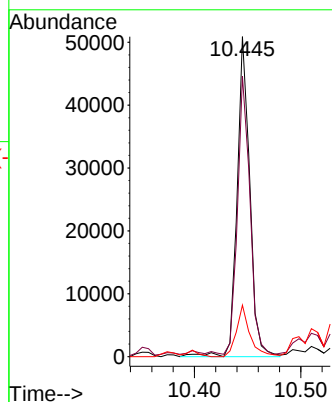
Tgt Ion:166 Resp: 42068

Ion Ratio Lower Upper

166 100

165 87.6 73.1 109.7

167 16.1 10.5 15.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

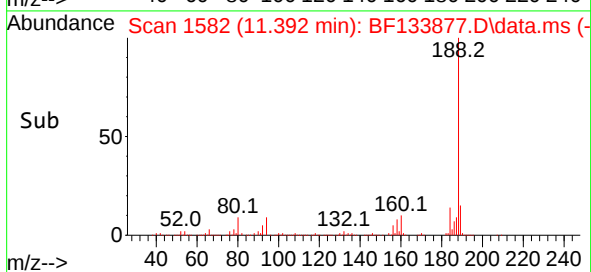
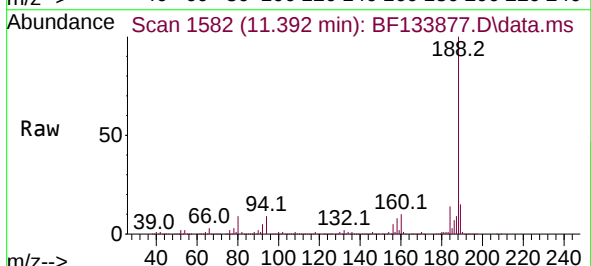
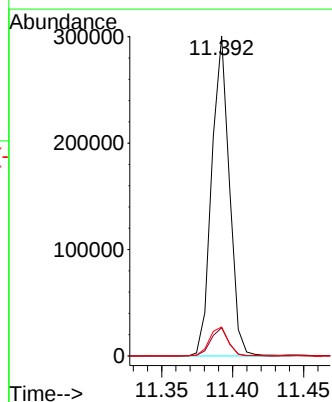
Tgt Ion:188 Resp: 259878

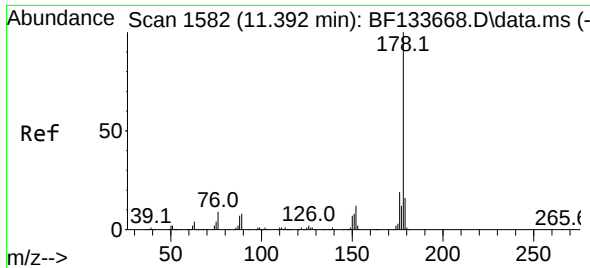
Ion Ratio Lower Upper

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94 8.8 6.8 10.2

80 9.0 7.8 11.6

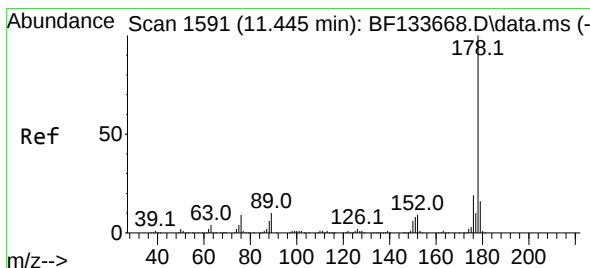
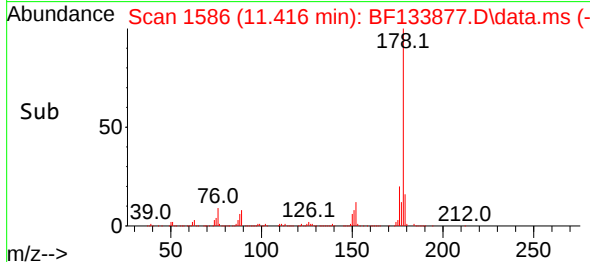
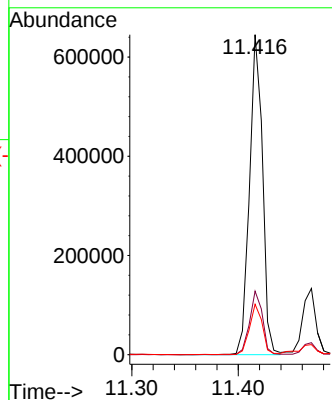
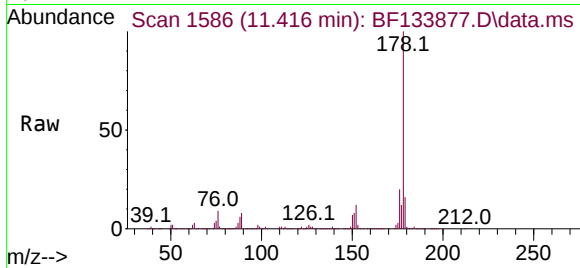




#71
Phenanthrene
Concen: 41.517 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

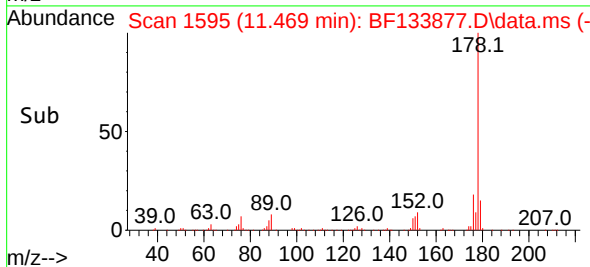
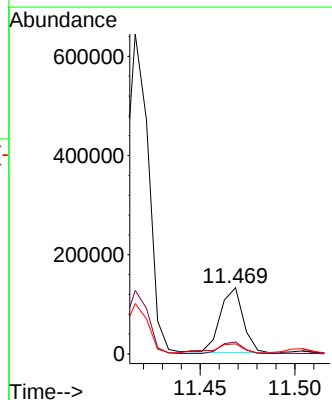
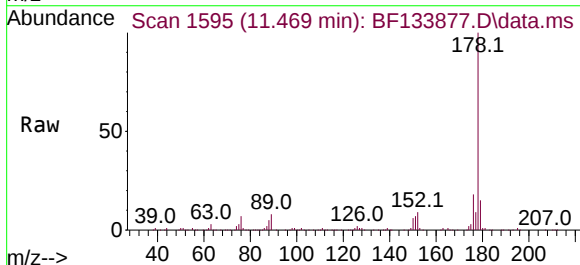
Instrument :
BNA_F
ClientSampleId :

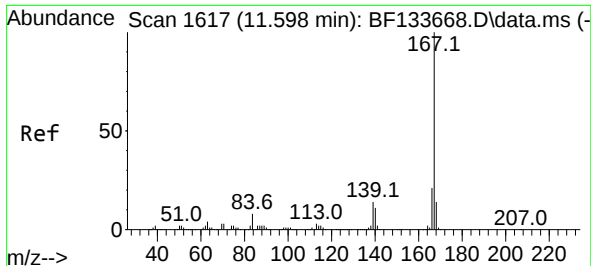
Tgt Ion:178 Resp: 547400
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.4 18.6



#72
Anthracene
Concen: 8.106 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

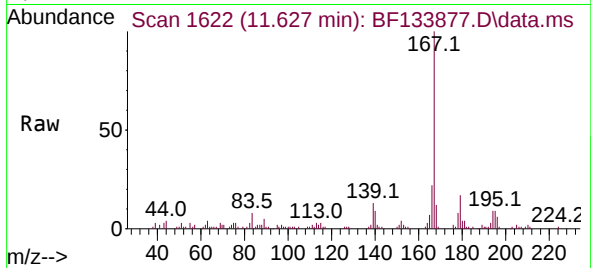
Tgt Ion:178 Resp: 111433
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 15.1 12.6 18.8



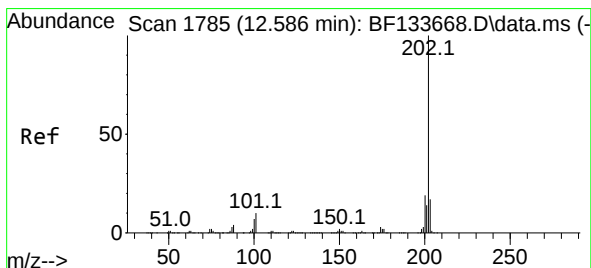
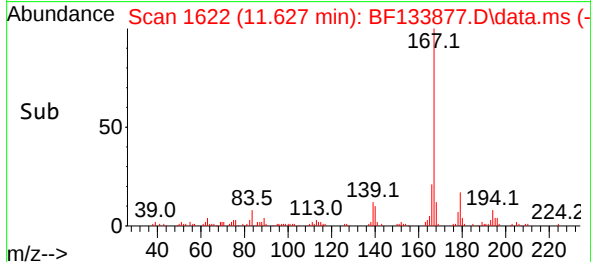
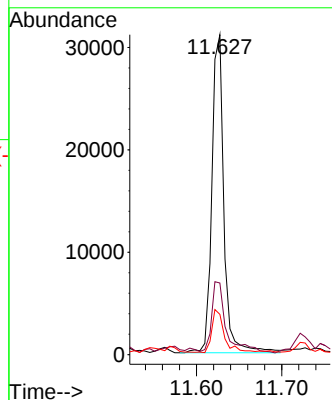


#73
 Carbazole
 Concen: 2.383 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

Instrument :
 BNA_F
 ClientSampleId :

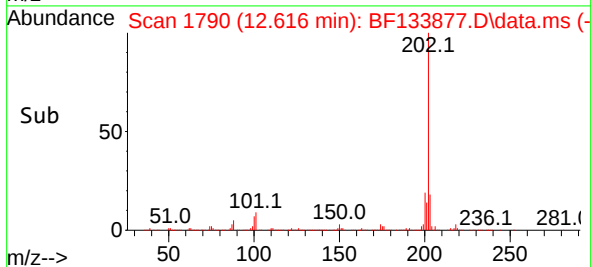
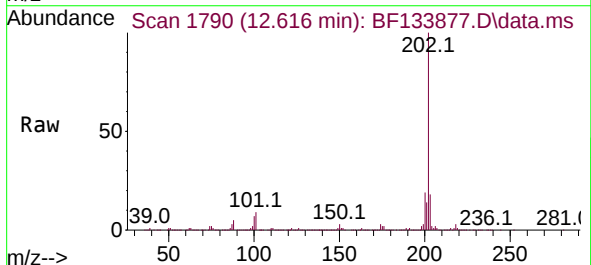
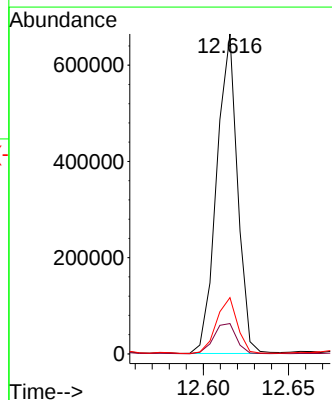


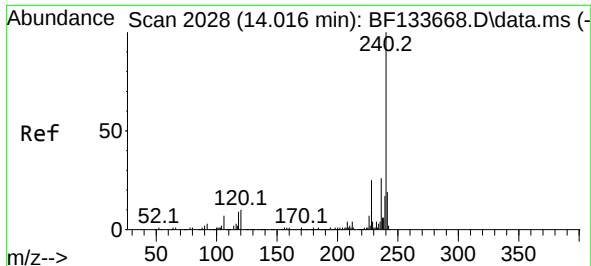
Tgt Ion:167 Resp: 30508
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.0 25.6
 139 12.6 11.2 16.8



#75
 Fluoranthene
 Concen: 40.372 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

Tgt Ion:202 Resp: 565261
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.6
 203 17.6 0.0 37.4

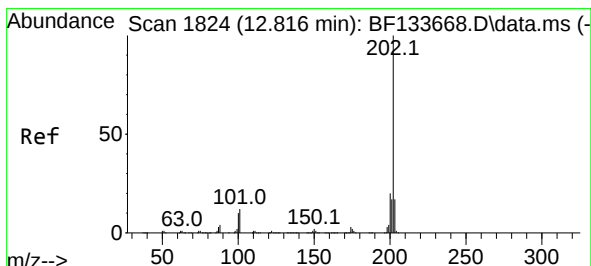
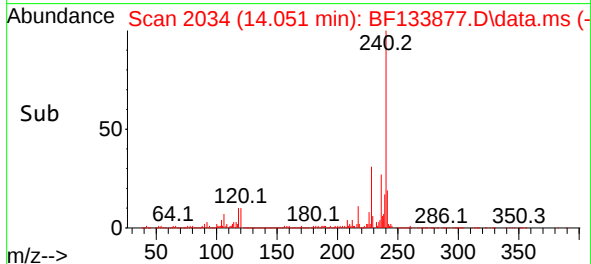
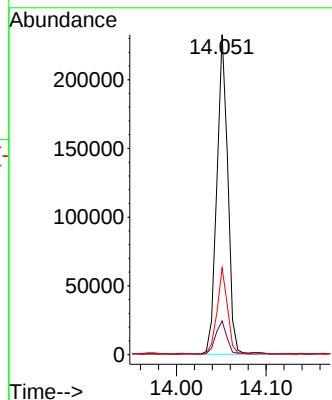
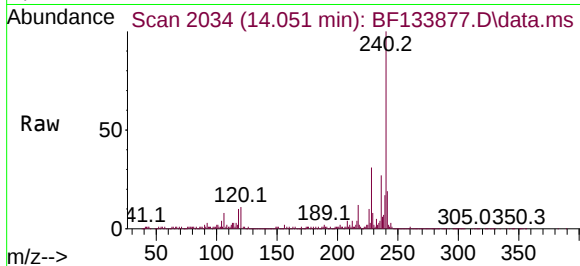




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

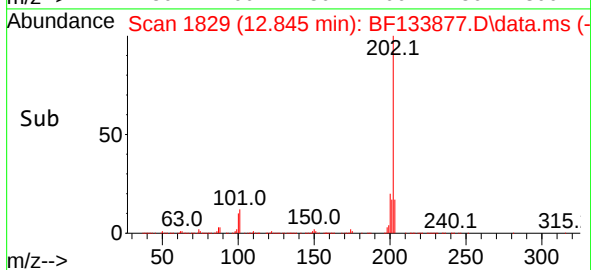
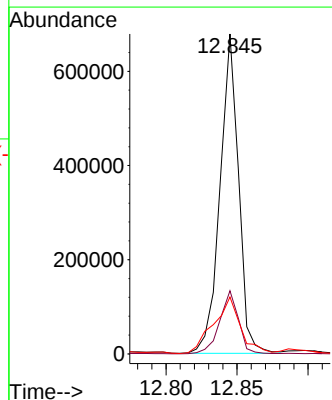
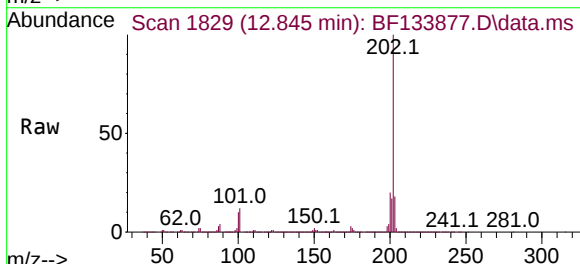
Instrument :
BNA_F
ClientSampleId :

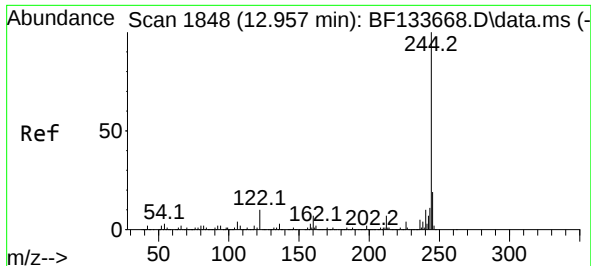
Tgt Ion:240 Resp: 199101
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 27.1 20.5 30.7



#78
Pyrene
Concen: 33.263 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:202 Resp: 616938
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.8 13.9 20.9

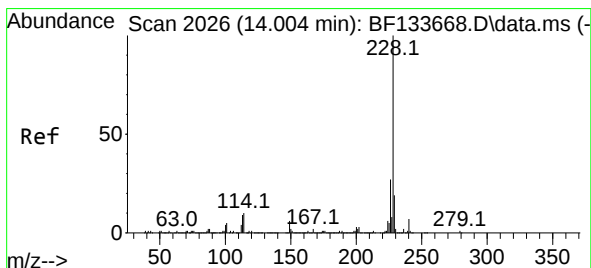
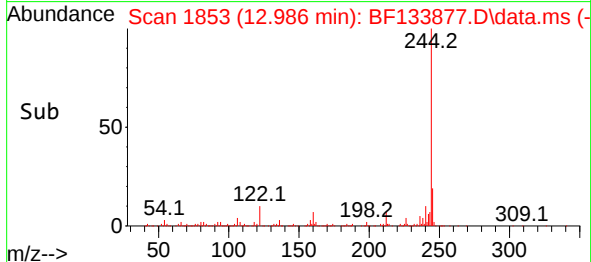
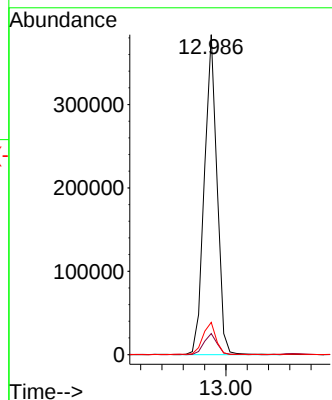
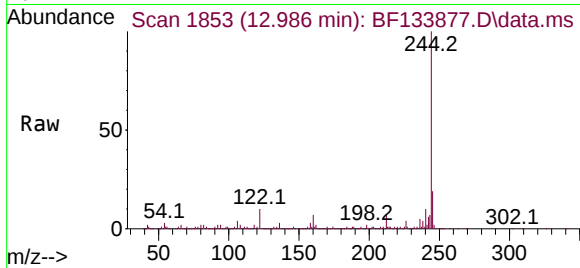




#79
 Terphenyl-d14
 Concen: 24.463 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

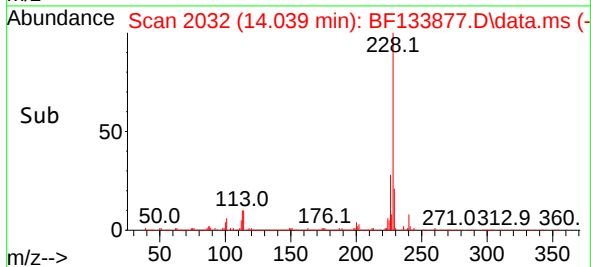
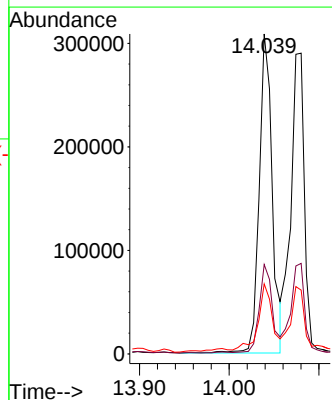
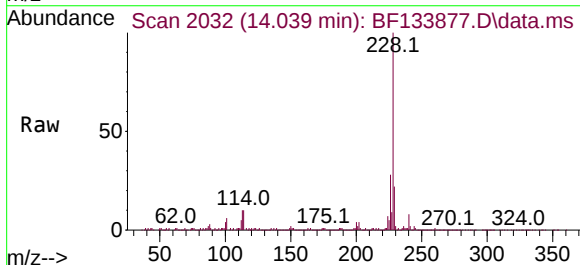
Instrument :
 BNA_F
 ClientSampleId :

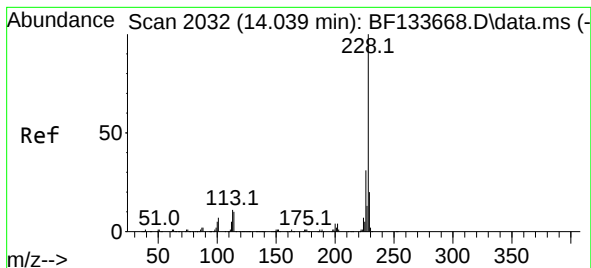
Tgt Ion:244 Resp: 314778
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.1 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 22.576 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133877.D
 Acq: 21 Jun 2023 18:29

Tgt Ion:228 Resp: 310910
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 21.9 15.4 23.2





#83

Chrysene

Concen: 23.519 ng

RT: 14.080 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

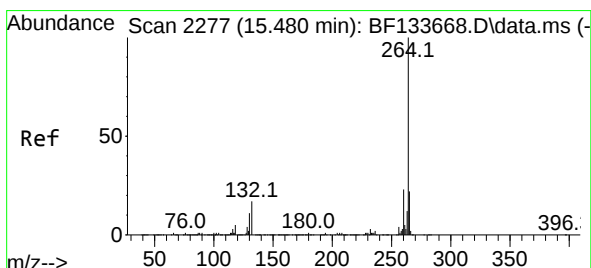
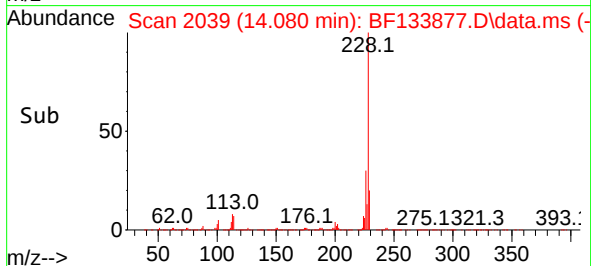
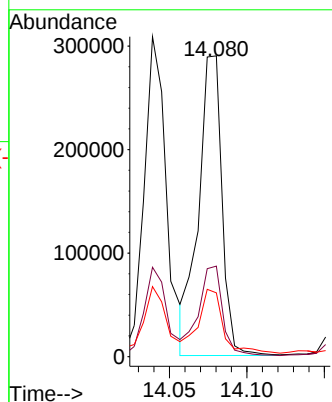
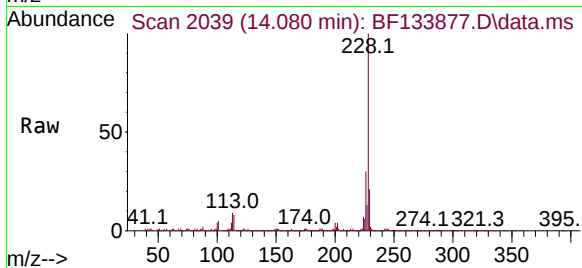
Tgt Ion:228 Resp: 306350

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 21.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. 0.006 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

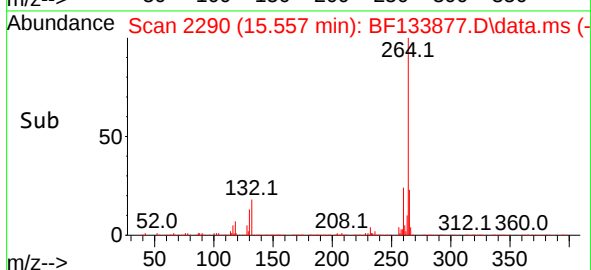
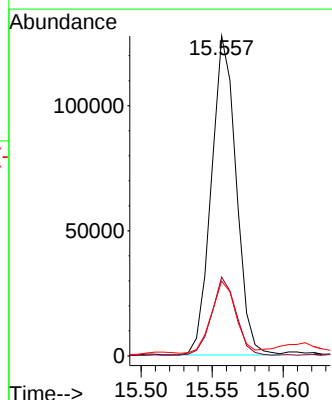
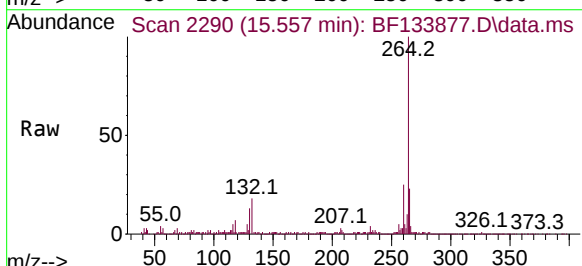
Tgt Ion:264 Resp: 155084

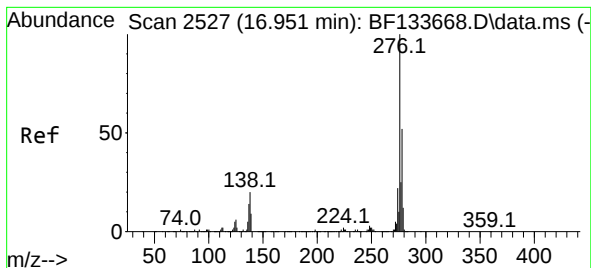
Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 23.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.977 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133877.D

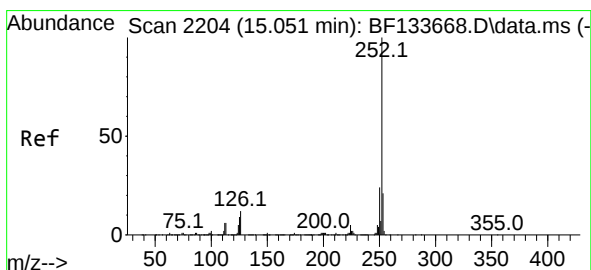
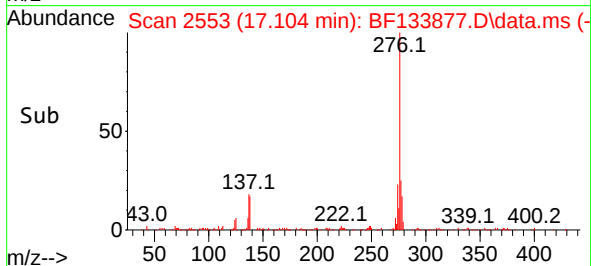
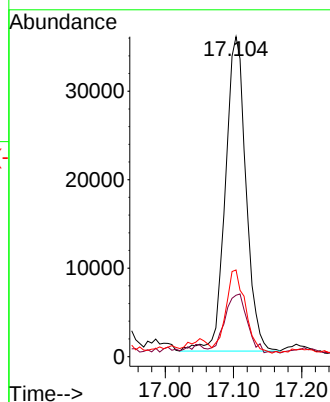
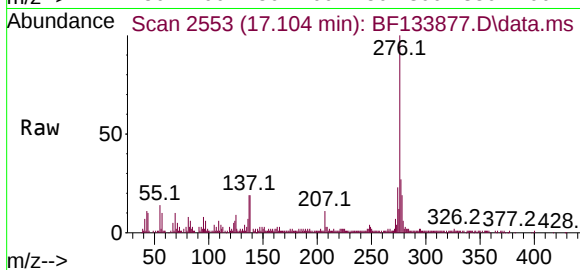
Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:276	Resp:	74440
Ion Ratio	Lower	Upper
276	100	
138	19.8	17.9 26.9
277	25.1	20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 27.573 ng

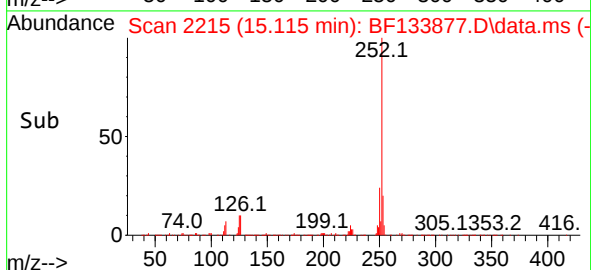
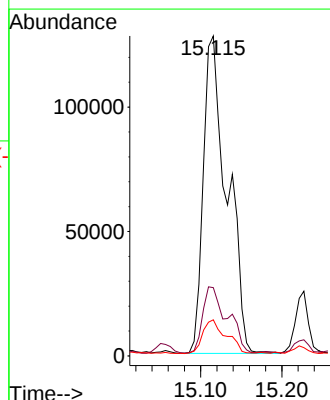
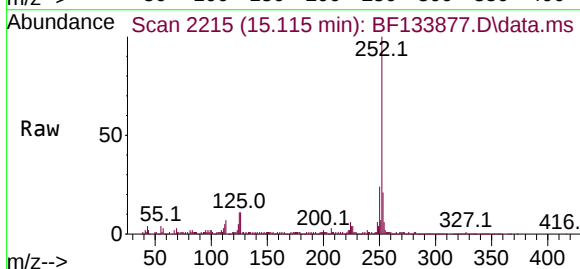
RT: 15.115 min Scan# 2215

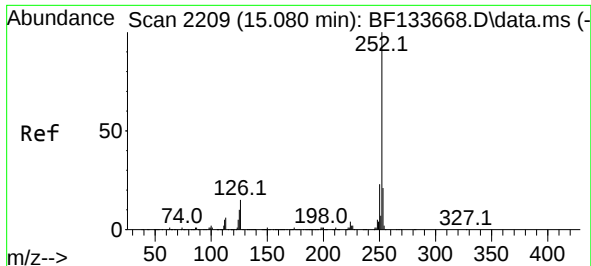
Delta R.T. 0.012 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Tgt Ion:252	Resp:	259754
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.0 25.6
125	11.3	7.3 10.9

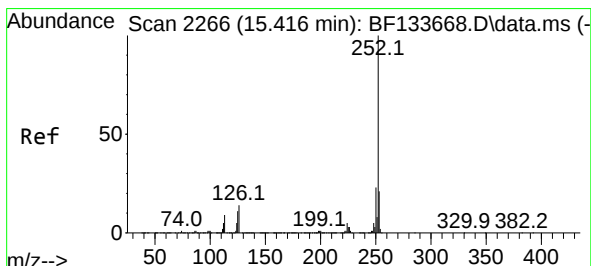
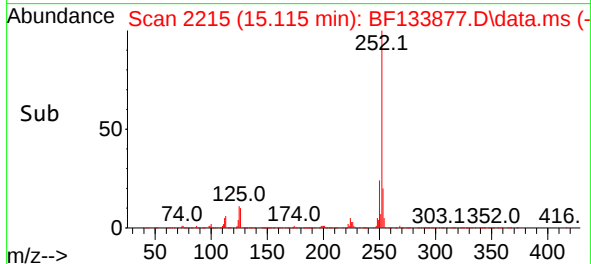
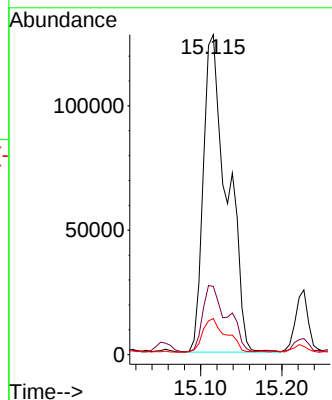
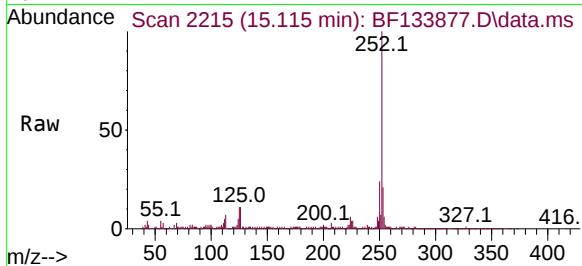




#89
Benzo(k)fluoranthene
Concen: 28.305 ng
RT: 15.115 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

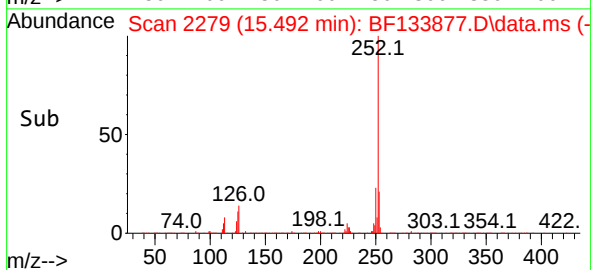
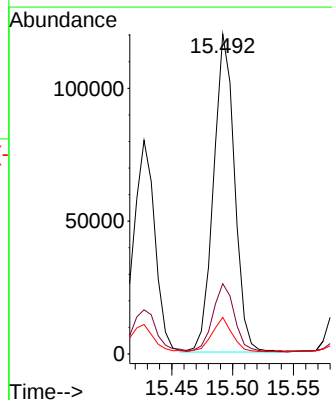
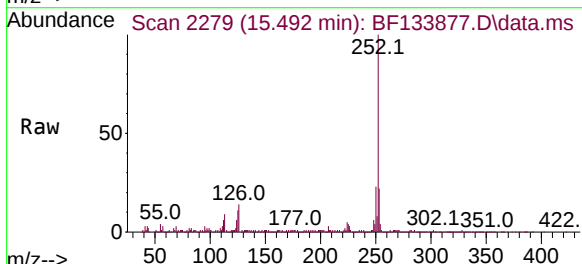
Instrument :
BNA_F
ClientSampleId :

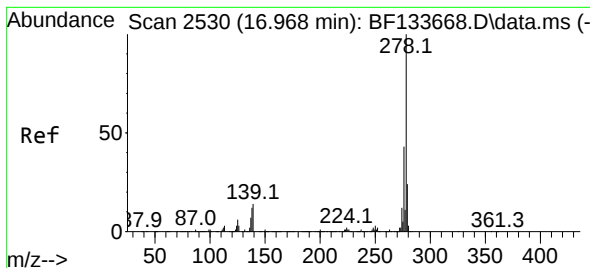
Tgt Ion:252 Resp: 259754
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.4
125 11.3 7.8 11.6



#90
Benzo(a)pyrene
Concen: 16.427 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133877.D
Acq: 21 Jun 2023 18:29

Tgt Ion:252 Resp: 143627
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 11.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.554 ng

RT: 17.115 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133877.D

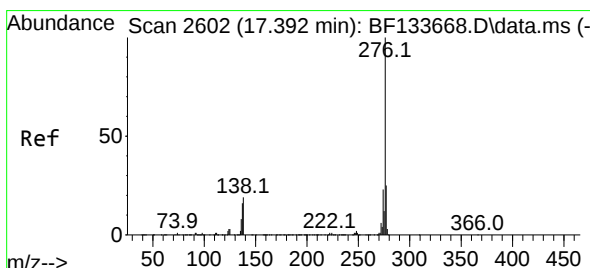
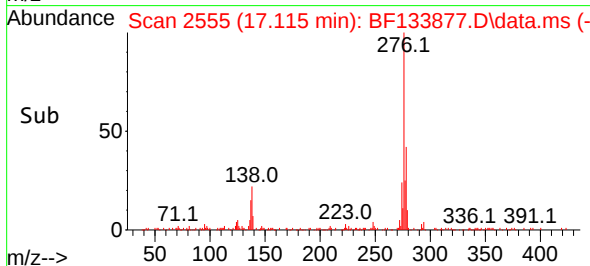
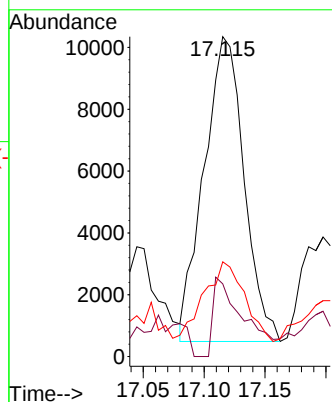
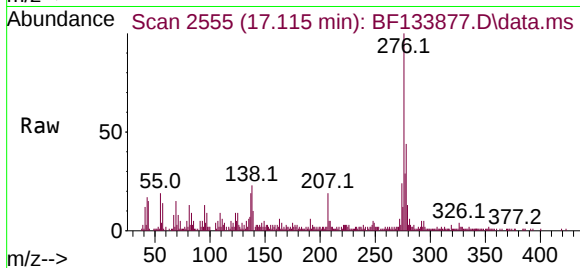
Acq: 21 Jun 2023 18:29

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	278	Resp:	22556
Ion Ratio	Lower	Upper	
278	100		
139	22.7	11.4	17.2#
279	29.6	19.0	28.4#



#92

Benzo(g,h,i)perylene

Concen: 7.872 ng

RT: 17.574 min Scan# 2633

Delta R.T. 0.000 min

Lab File: BF133877.D

Acq: 21 Jun 2023 18:29

Tgt Ion:	276	Resp:	68945
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.8	29.8
138	23.8	15.0	22.4#

