

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136313.D
 Acq On : 30 Nov 2023 14:52
 Operator : CG\JU
 Sample : 05253-04DL2 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 15:09:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

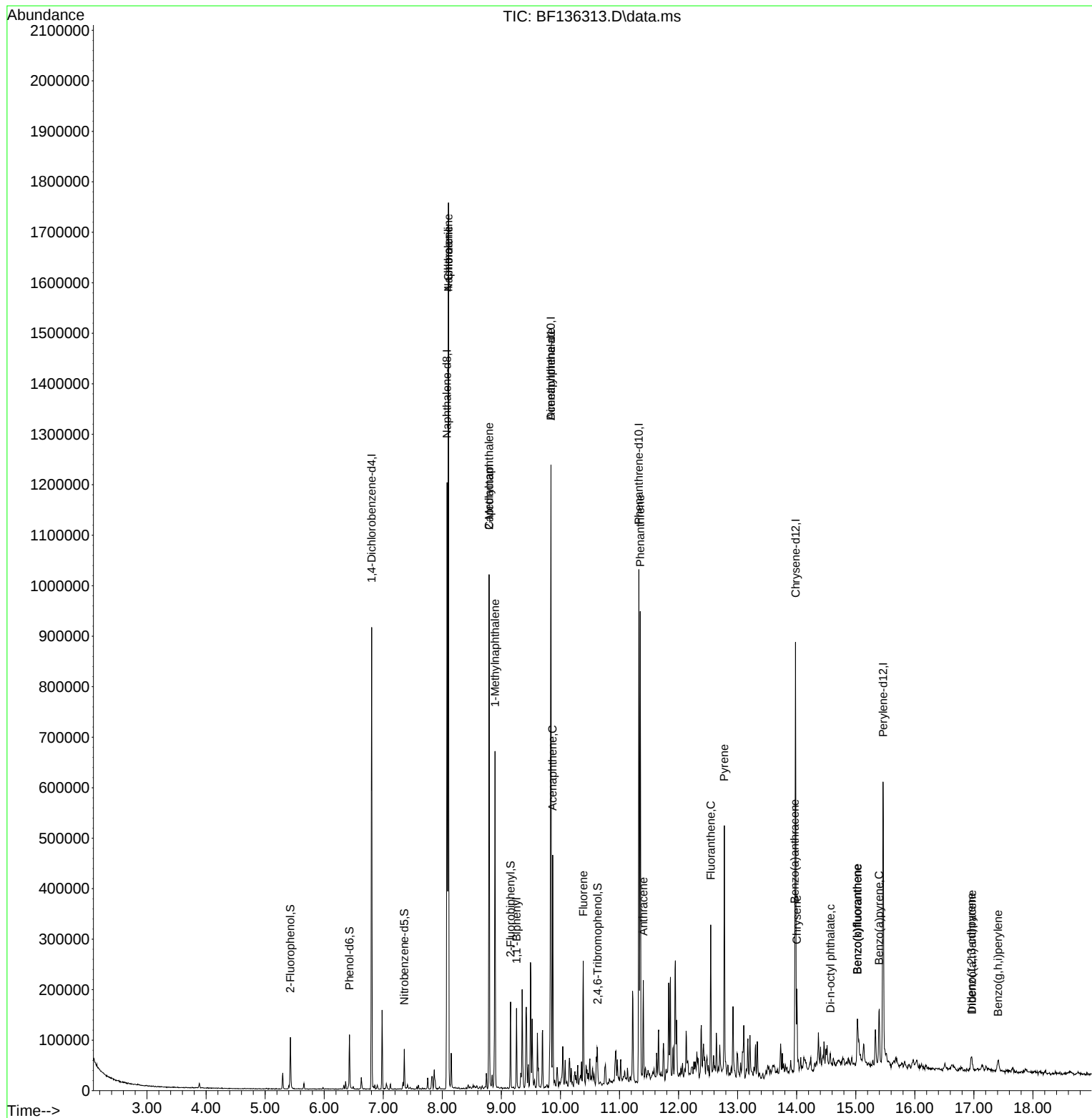
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	122637	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	496390	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	232754	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	362608	20.000	ng	0.00
76) Chrysene-d12	13.980	240	239474	20.000	ng	-0.01
86) Perylene-d12	15.462	264	267163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	25897	2.939	ng	-0.01
7) Phenol-d6	6.428	99	35329	3.207	ng	-0.02
23) Nitrobenzene-d5	7.357	82	21540	2.293	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	6955	2.444	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	49021	2.690	ng	-0.01
79) Terphenyl-d14	12.921	244	38413	1.850	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	700636	25.112	ng	98
33) 4-Chloroaniline	8.104	127	96680	10.194	ng	# 41
35) Caprolactam	8.792	113	5017	2.492	ng	# 1
37) 2-Methylnaphthalene	8.792	142	230523	13.171	ng	95
38) 1-Methylnaphthalene	8.892	142	151064	8.848	ng	91
46) 1,1'-Biphenyl	9.257	154	44550	2.170	ng	89
50) Dimethylphthalate	9.839	163	47581	2.705	ng	# 1
52) Acenaphthene	9.869	154	84530	5.880	ng	93
58) Fluorene	10.386	166	62088	3.700	ng	98
71) Phenanthrene	11.351	178	306334	15.031	ng	97
72) Anthracene	11.404	178	71183	3.483	ng	98
75) Fluoranthene	12.545	202	103761	5.015	ng	92
78) Pyrene	12.774	202	180543	6.884	ng	95
81) Benzo(a)anthracene	13.968	228	61397	3.452	ng	# 84
83) Chrysene	14.004	228	58000	3.377	ng	# 96
85) Di-n-octyl phthalate	14.574	149	205	5.174	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.956	276	20467	3.647	ng	96
88) Benzo(b)fluoranthene	15.027	252	62667	3.343	ng	# 92
89) Benzo(k)fluoranthene	15.027	252	62667	3.520	ng	# 91
90) Benzo(a)pyrene	15.398	252	52823	3.447	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	6989	3.125	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	19166	3.045	ng	98

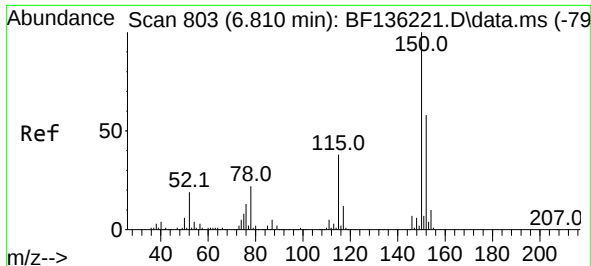
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136313.D
Acq On : 30 Nov 2023 14:52
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

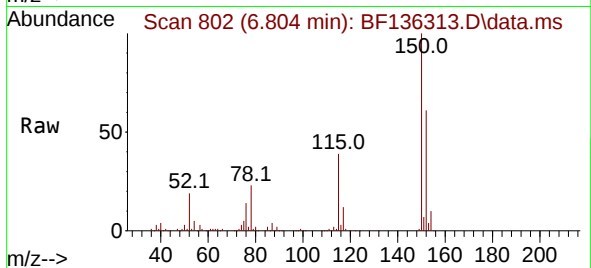
Quant Time: Nov 30 15:09:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration



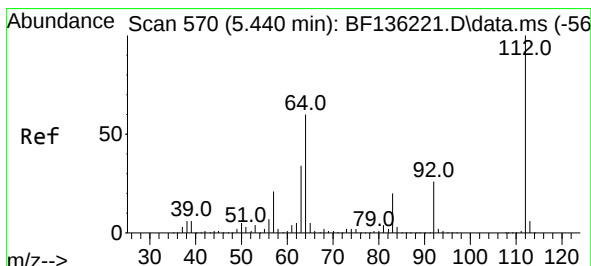
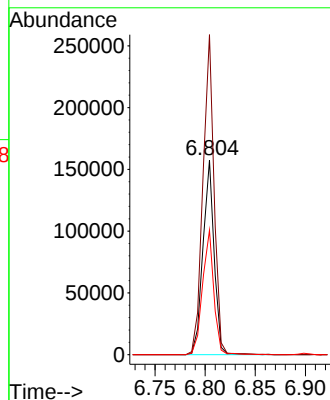
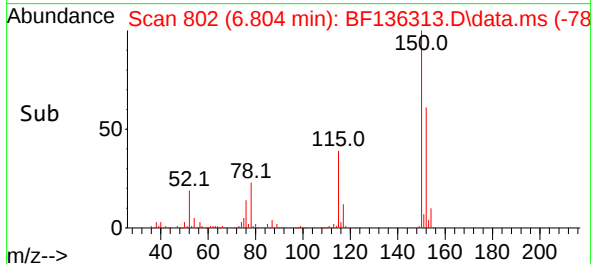


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :

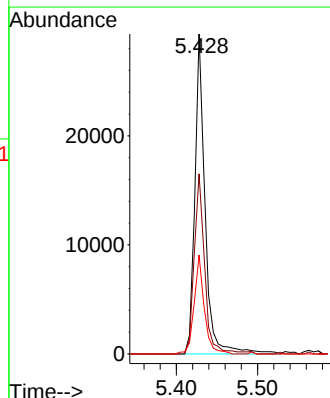
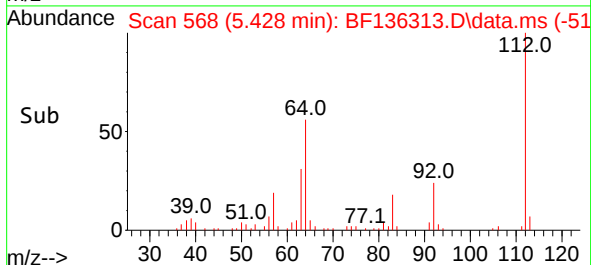
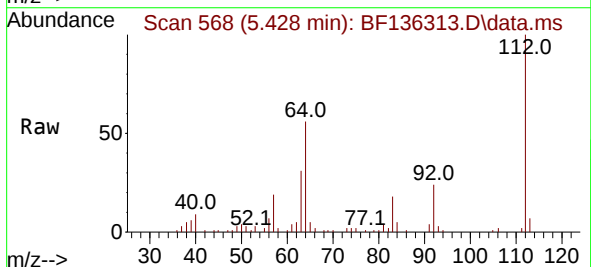


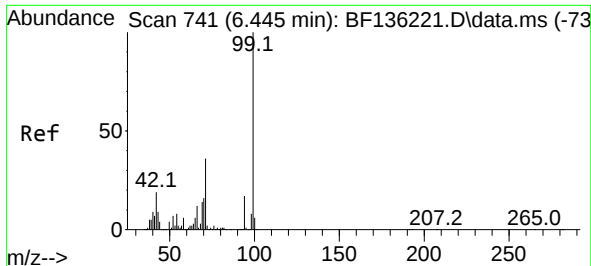
Tgt Ion:152 Resp: 122637
Ion Ratio Lower Upper
152 100
150 164.4 137.8 206.8
115 64.0 52.7 79.1



#5
2-Fluorophenol
Concen: 2.939 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:112 Resp: 25897
Ion Ratio Lower Upper
112 100
64 56.3 48.2 72.4
63 30.9 27.0 40.6

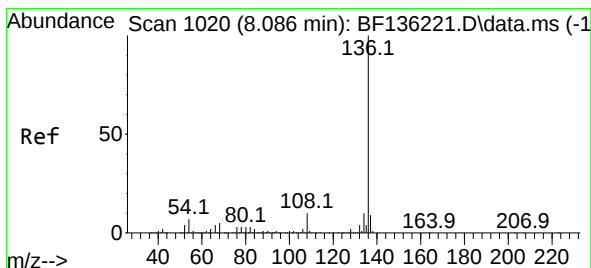
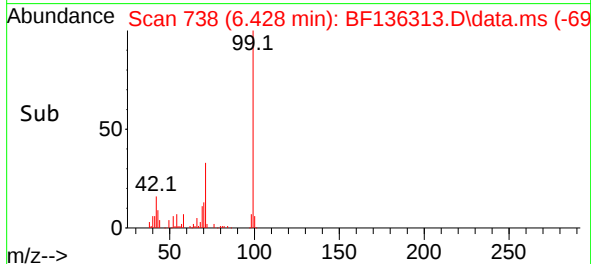
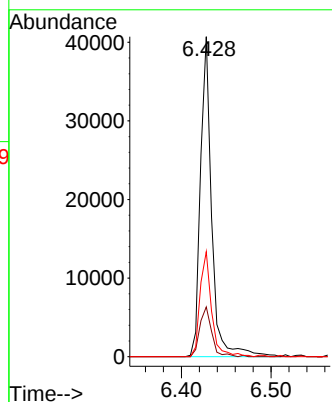
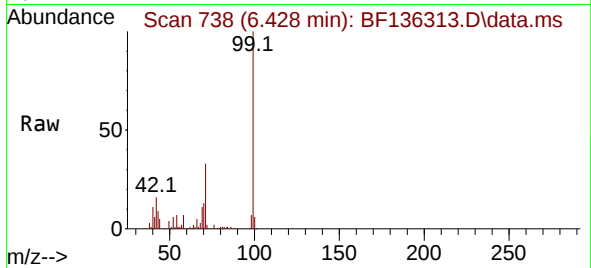




#7
Phenol-d6
Concen: 3.207 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

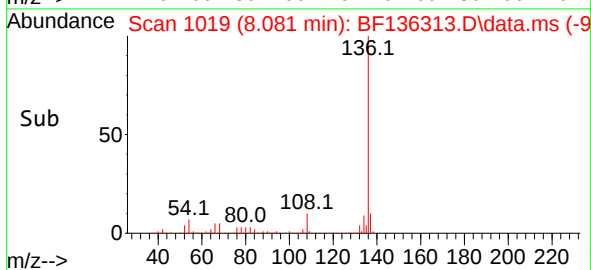
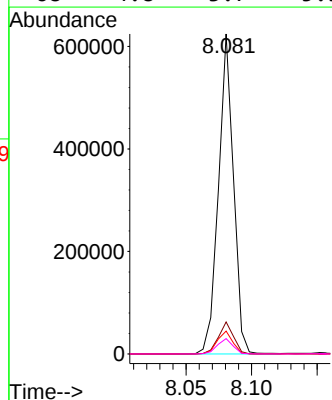
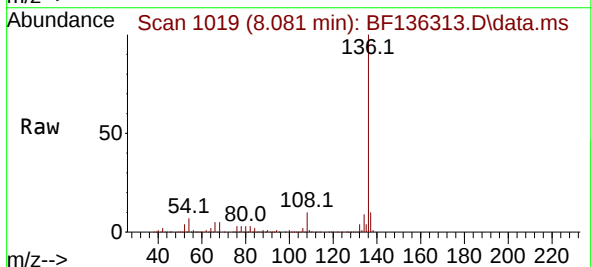
Instrument :
BNA_F
ClientSampleId :

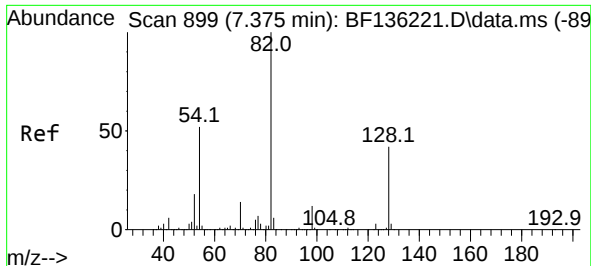
Tgt Ion: 99 Resp: 35329
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.6
71 32.8 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion: 136 Resp: 496390
Ion Ratio Lower Upper
136 100
137 10.0 7.4 11.2
54 7.1 5.5 8.3
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 2.293 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.018 min

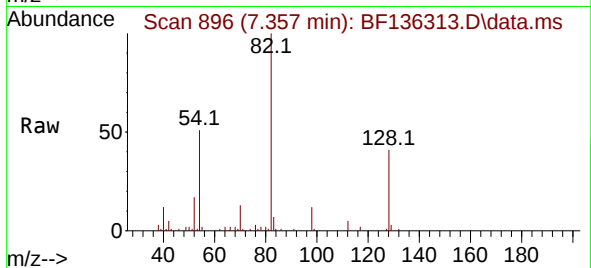
Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

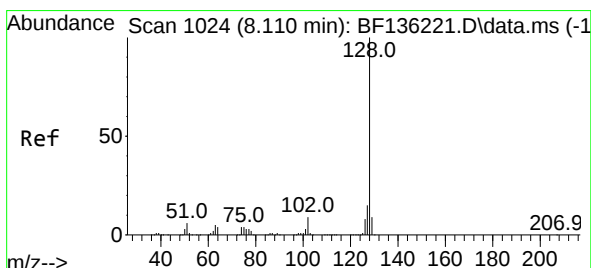
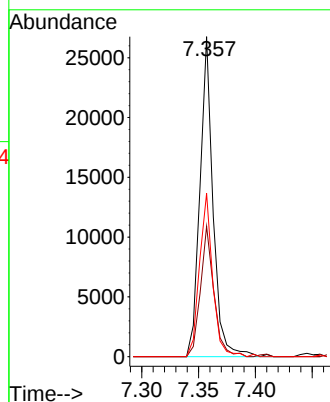
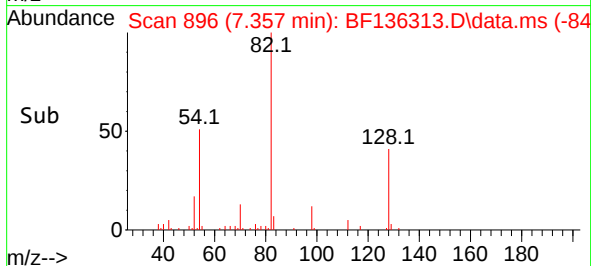
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	82	Resp:	21540
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.2
54	51.0	41.7	62.5



#31

Naphthalene

Concen: 25.112 ng

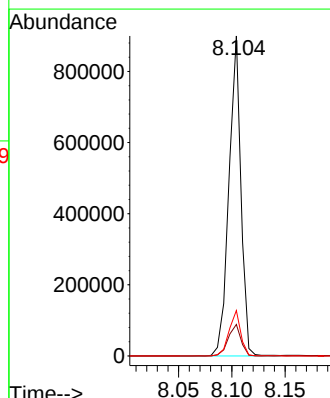
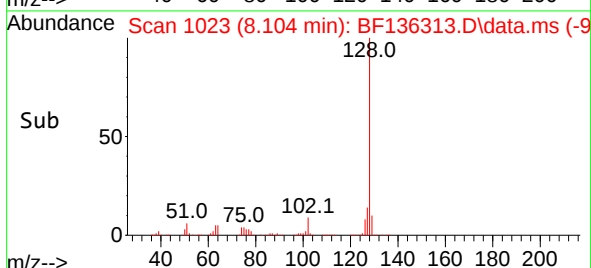
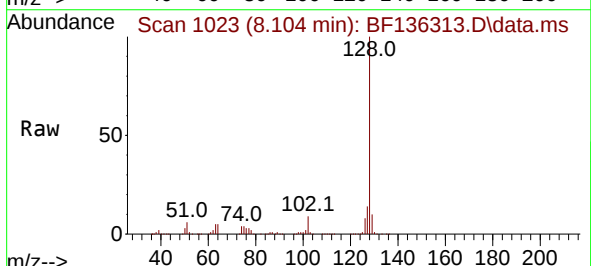
RT: 8.104 min Scan# 1023

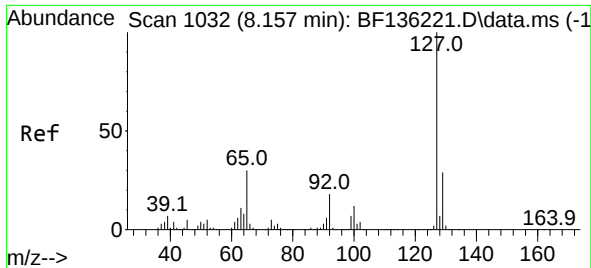
Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

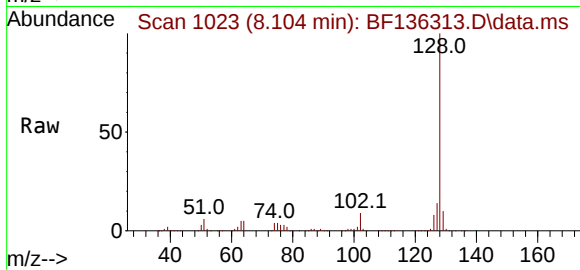
Tgt Ion:	128	Resp:	700636
Ion	Ratio	Lower	Upper
128	100		
129	9.9	7.3	10.9
127	14.2	11.8	17.6



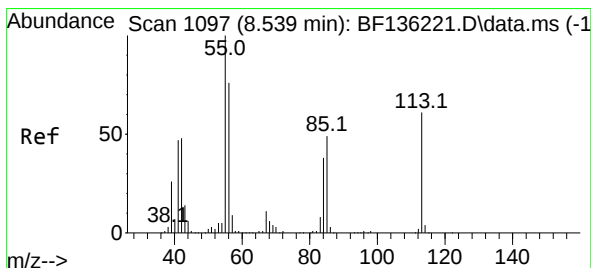
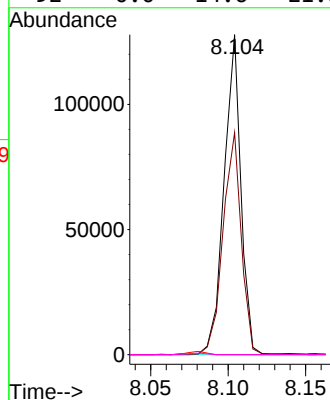
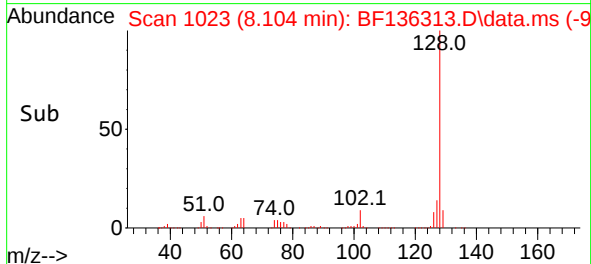


#33
4-Chloroaniline
Concen: 10.194 ng
RT: 8.104 min Scan# 110
Delta R.T. -0.053 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :

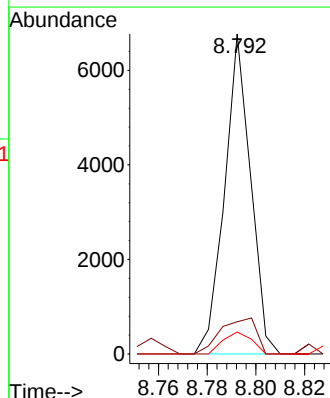
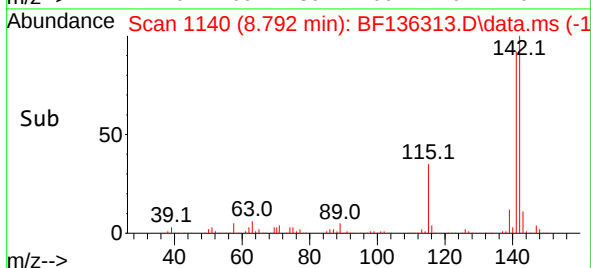
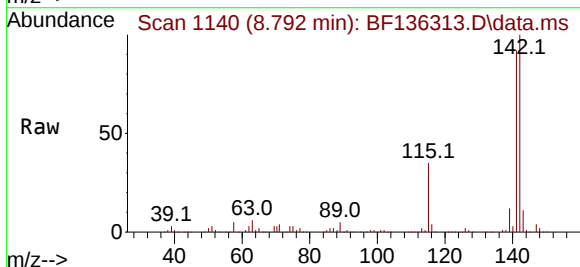


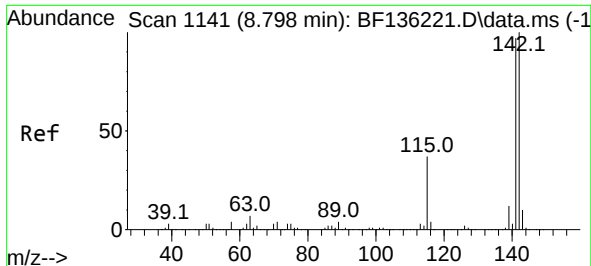
Tgt Ion:	127	Resp:	96680
Ion	Ratio	Lower	Upper
127	100		
129	69.4	23.4	35.2#
65	0.0	23.8	35.6#
92	0.0	14.6	21.8#



#35
Caprolactam
Concen: 2.492 ng
RT: 8.792 min Scan# 1140
Delta R.T. 0.253 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:	113	Resp:	5017
Ion	Ratio	Lower	Upper
113	100		
55	10.1	143.1	183.1#
56	6.9	103.6	143.6#





#37

2-Methylnaphthalene

Concen: 13.171 ng

RT: 8.792 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

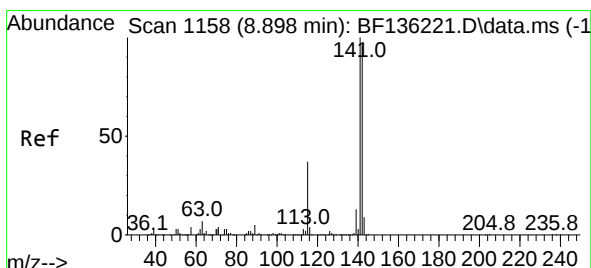
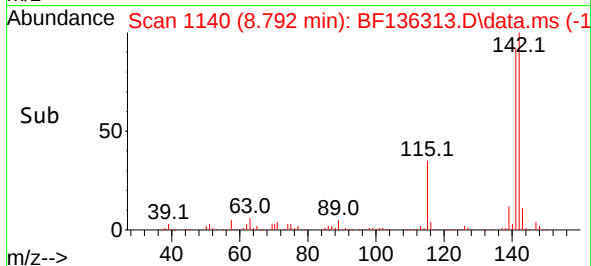
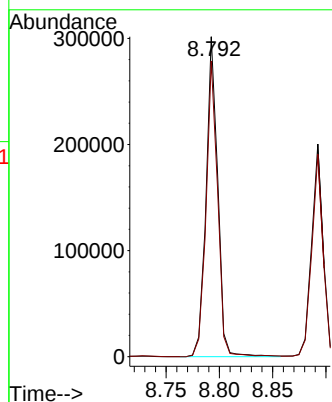
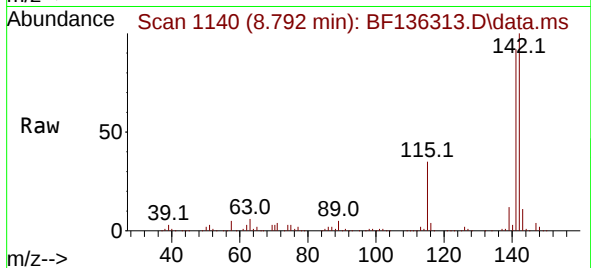
ClientSampleId :

Tgt Ion:142 Resp: 230523

Ion Ratio Lower Upper

142 100

141 92.4 77.8 116.8



#38

1-Methylnaphthalene

Concen: 8.848 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136313.D

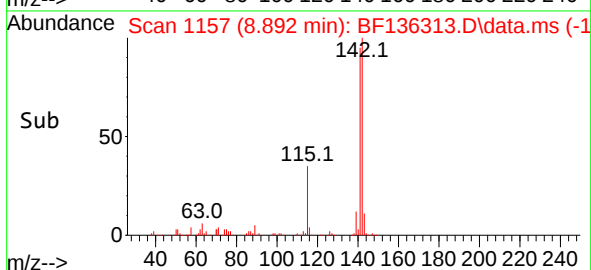
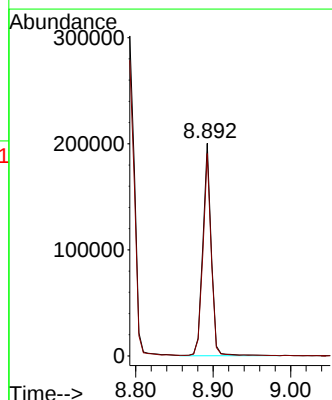
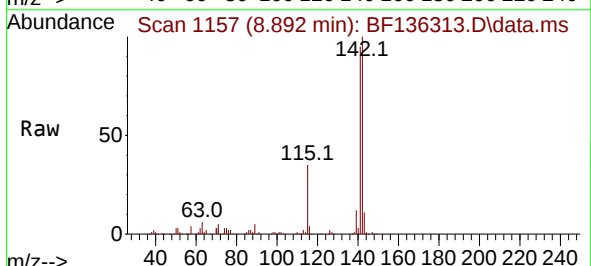
Acq: 30 Nov 2023 14:52

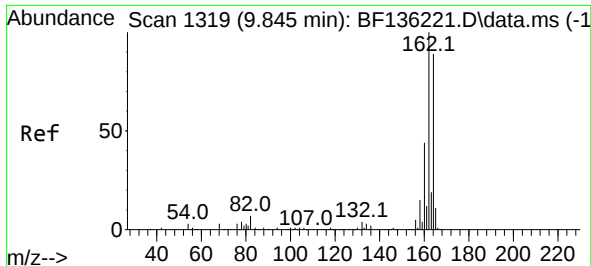
Tgt Ion:142 Resp: 151064

Ion Ratio Lower Upper

142 100

141 95.1 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

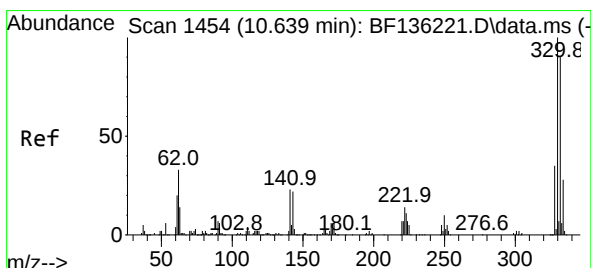
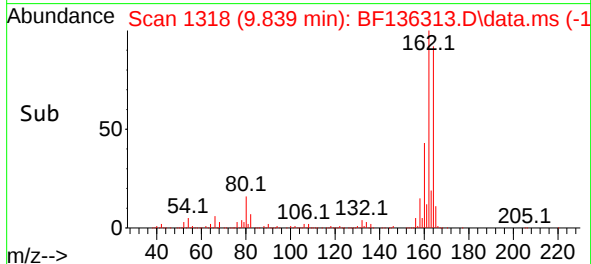
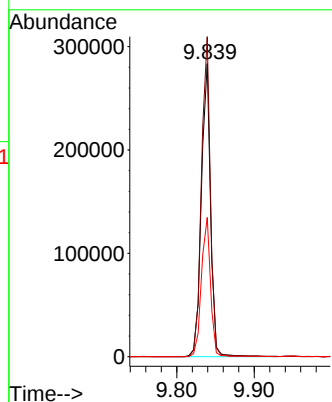
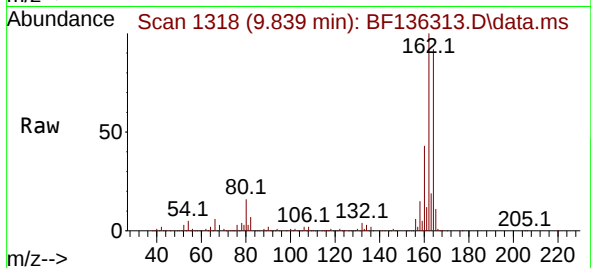
Tgt Ion:164 Resp: 232754

Ion Ratio Lower Upper

164 100

162 109.2 89.5 134.3

160 47.5 39.6 59.4



#42

2,4,6-Tribromophenol

Concen: 2.444 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

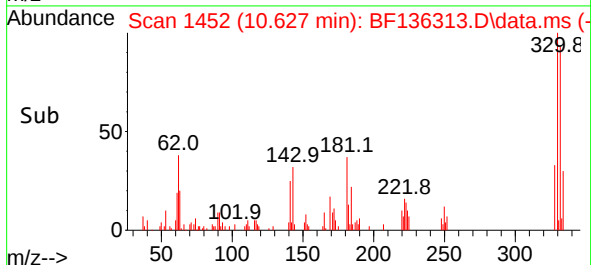
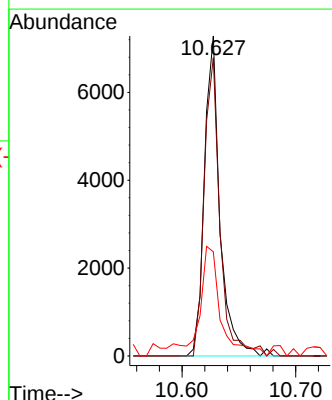
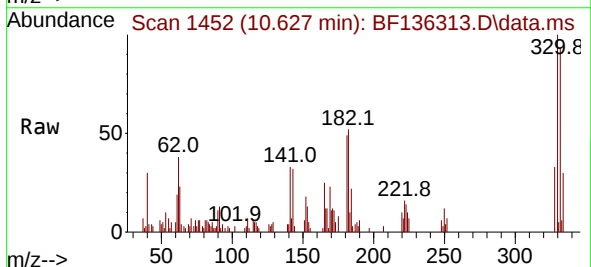
Tgt Ion:330 Resp: 6955

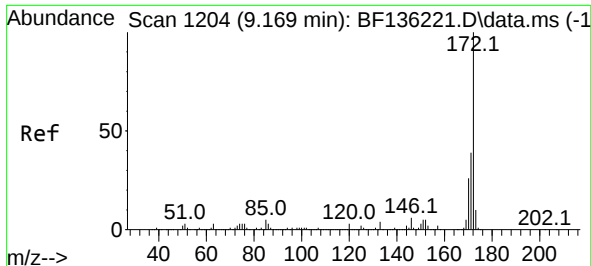
Ion Ratio Lower Upper

330 100

332 94.5 73.0 109.6

141 50.0 24.2 36.2#

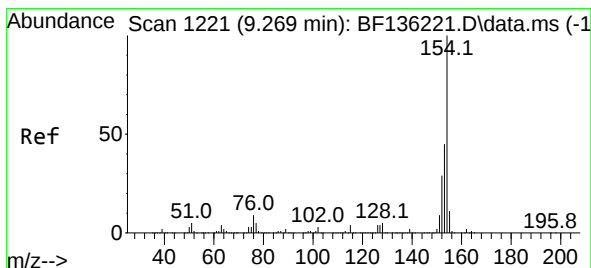
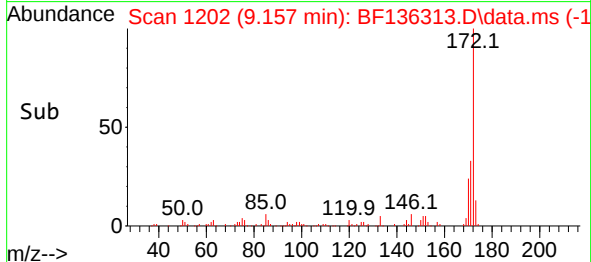
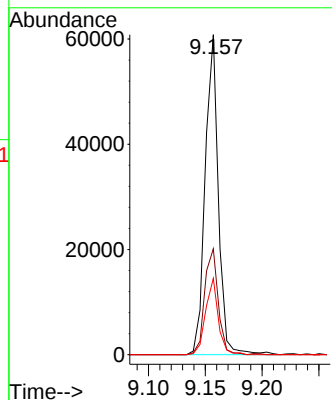
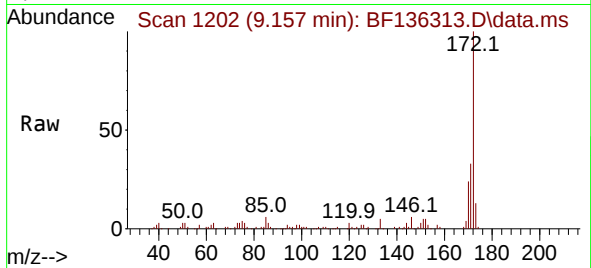




#45
2-Fluorobiphenyl
Concen: 2.690 ng
RT: 9.157 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

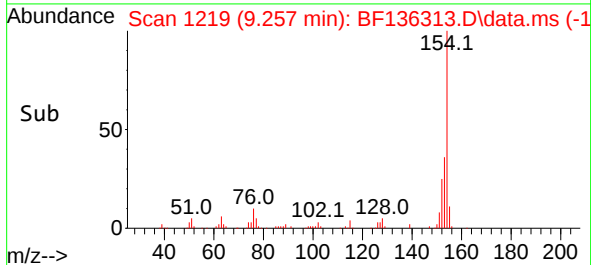
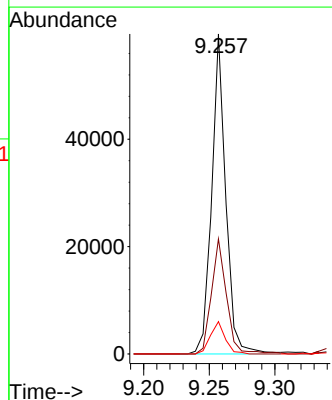
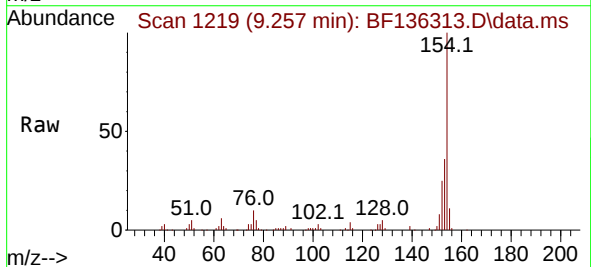
Instrument :
BNA_F
ClientSampleId :

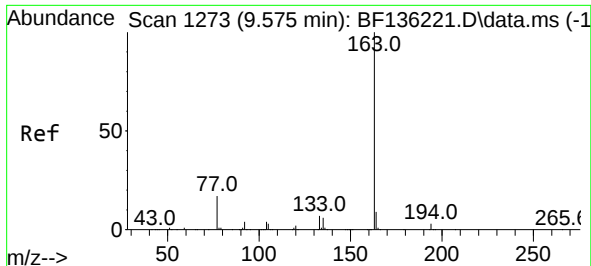
Tgt Ion:172 Resp: 49021
Ion Ratio Lower Upper
172 100
171 33.1 31.5 47.3
170 23.8 20.8 31.2



#46
1,1'-Biphenyl
Concen: 2.170 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:154 Resp: 44550
Ion Ratio Lower Upper
154 100
153 35.9 24.6 64.6
76 10.1 0.0 29.4

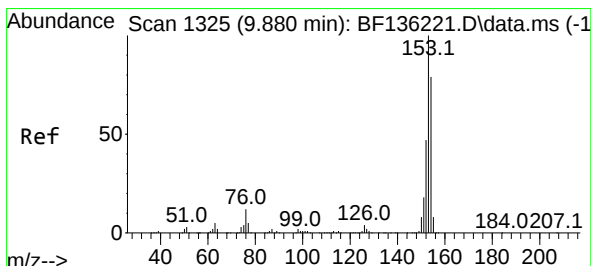
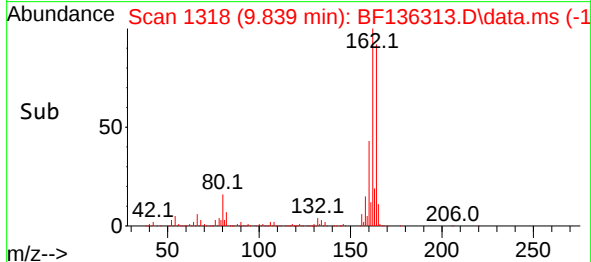
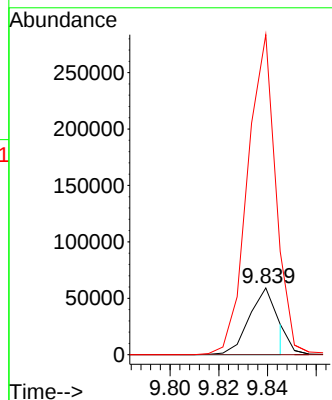
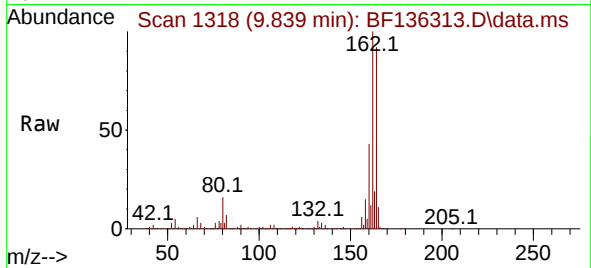




#50
Dimethylphthalate
Concen: 2.705 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

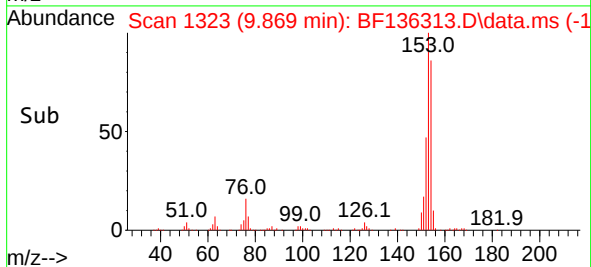
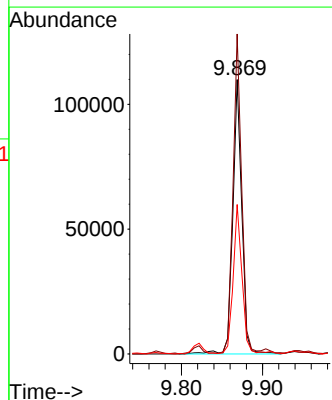
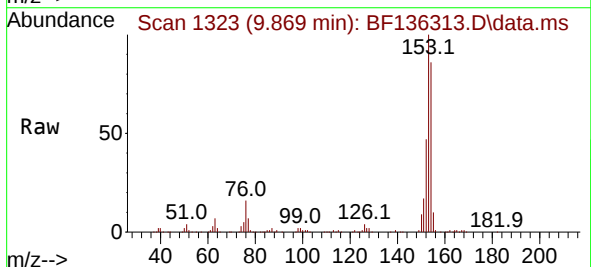
Instrument :
BNA_F
ClientSampleId :

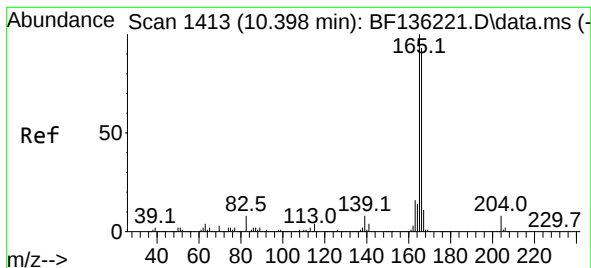
Tgt Ion:163 Resp: 47581
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 479.7 7.0 10.6#



#52
Acenaphthene
Concen: 5.880 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:154 Resp: 84530
Ion Ratio Lower Upper
154 100
153 116.6 100.8 151.2
152 54.5 47.0 70.6





#58

Fluorene

Concen: 3.700 ng

RT: 10.386 min Scan# 1413

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

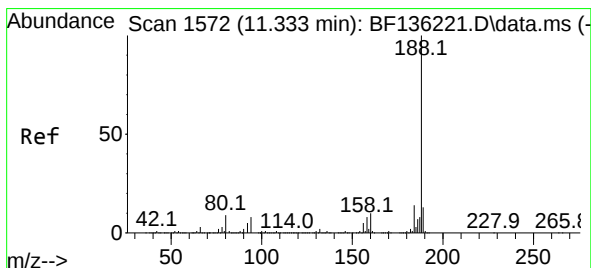
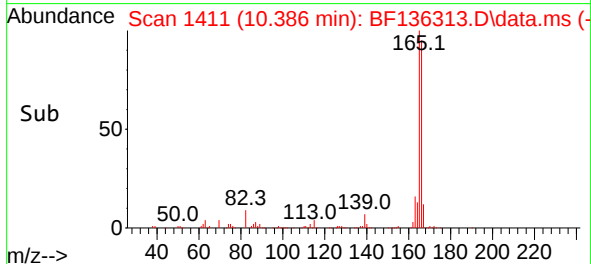
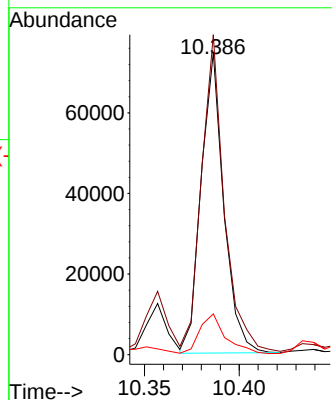
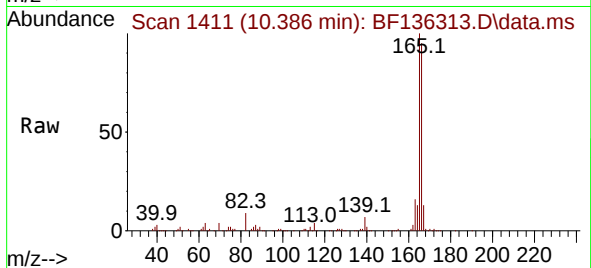
Tgt Ion:166 Resp: 62088

Ion Ratio Lower Upper

166 100

165 105.8 86.2 129.4

167 13.5 9.1 13.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

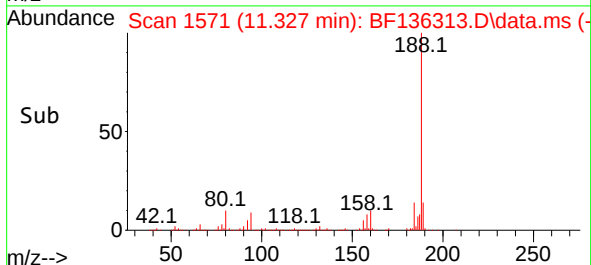
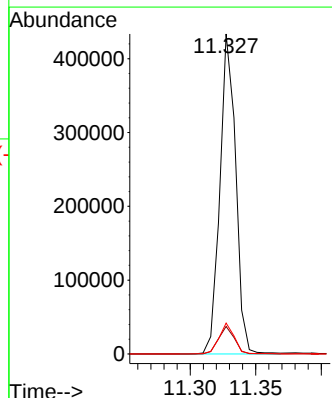
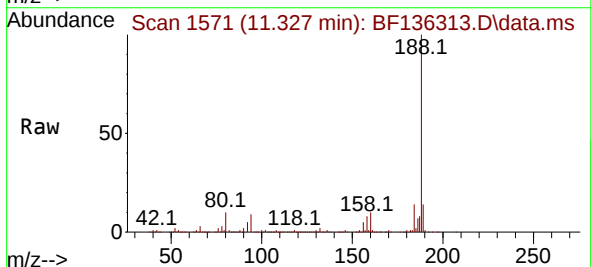
Tgt Ion:188 Resp: 362608

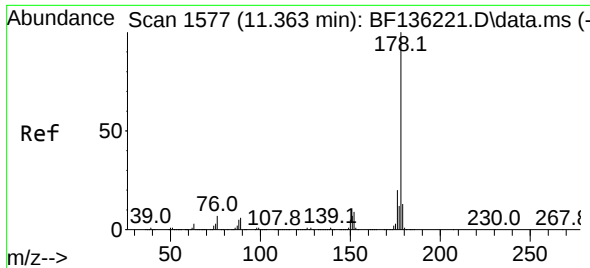
Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 9.6 7.2 10.8

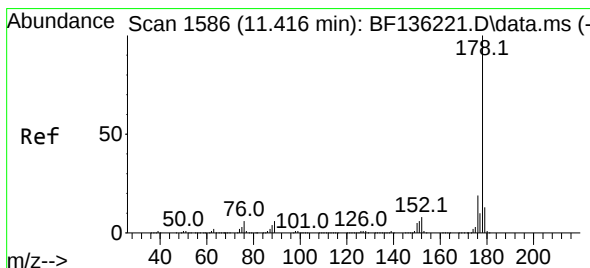
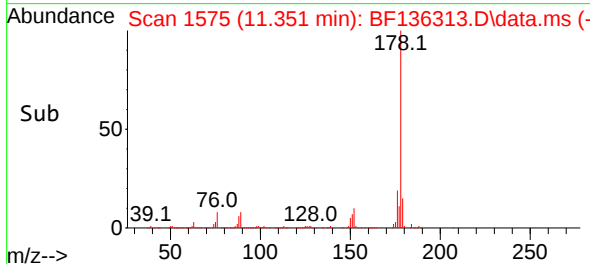
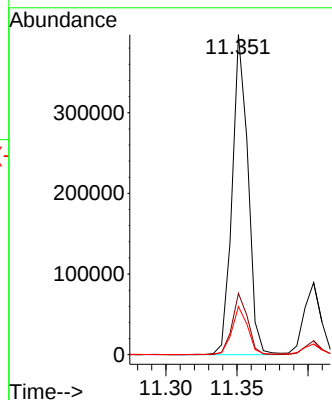
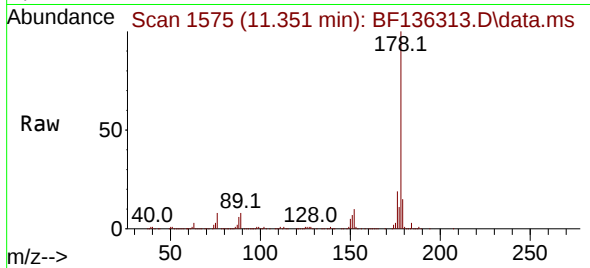




#71
Phenanthrene
Concen: 15.031 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

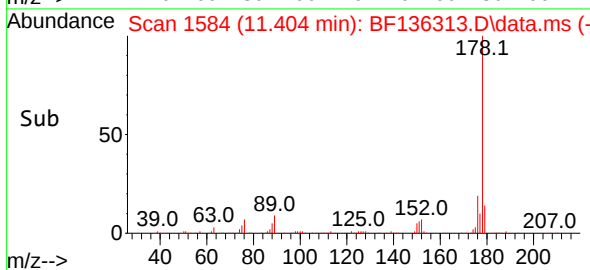
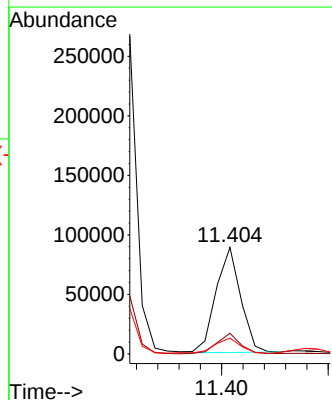
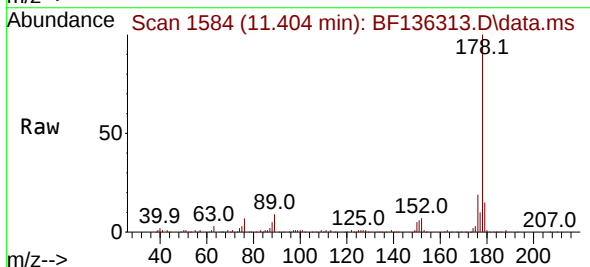
Instrument :
BNA_F
ClientSampleId :

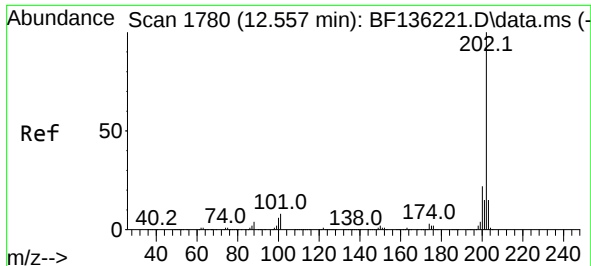
Tgt Ion:178 Resp: 306334
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.0 10.3 15.5



#72
Anthracene
Concen: 3.483 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:178 Resp: 71183
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.9 10.5 15.7

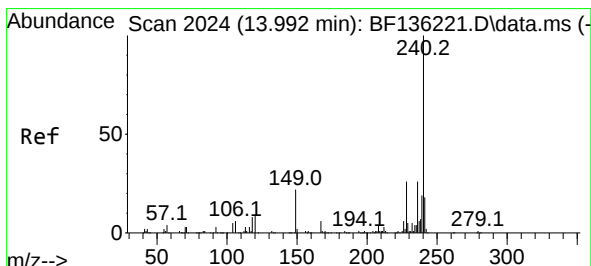
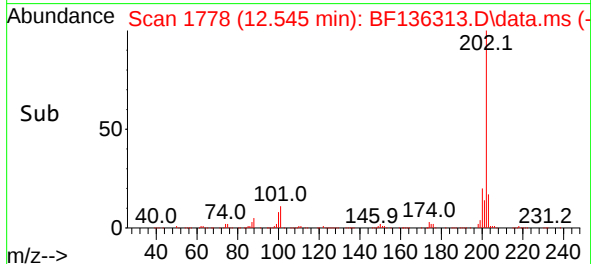
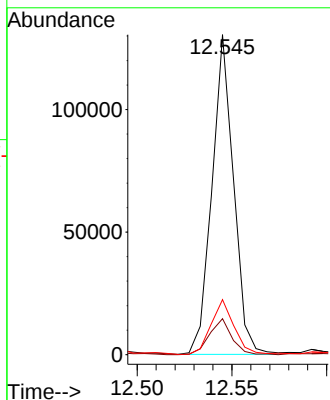
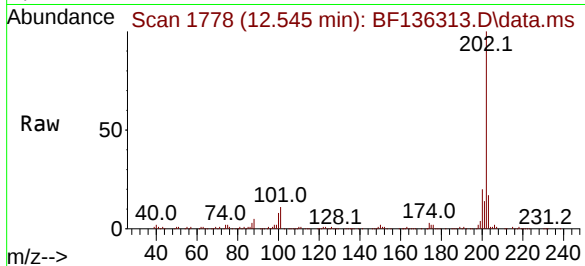




#75
Fluoranthene
Concen: 5.015 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

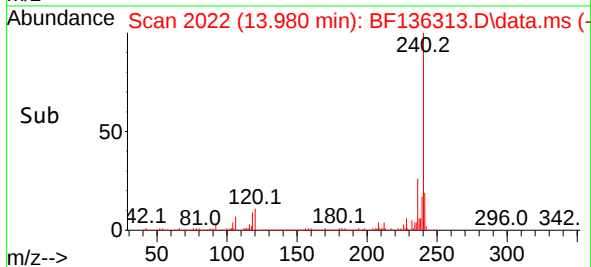
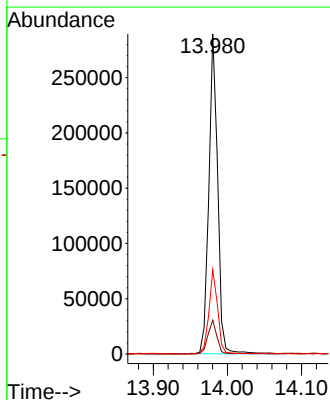
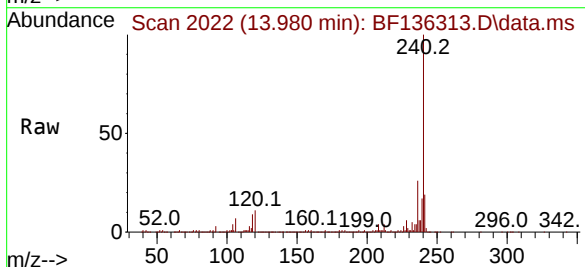
Instrument :
BNA_F
ClientSampleId :

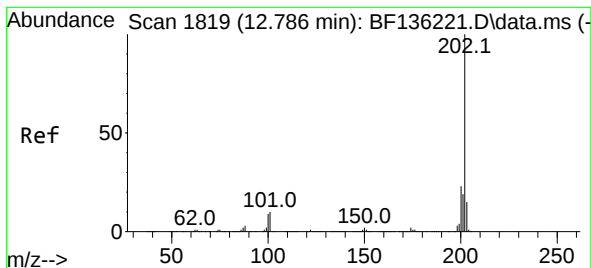
Tgt Ion:202 Resp: 103761
Ion Ratio Lower Upper
202 100
101 11.3 0.0 27.8
203 17.2 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:240 Resp: 239474
Ion Ratio Lower Upper
240 100
120 10.5 7.4 11.2
236 26.3 21.1 31.7





#78

Pyrene

Concen: 6.884 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

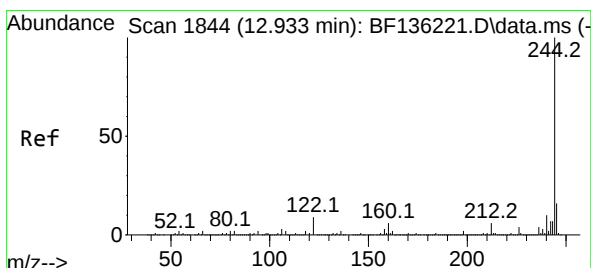
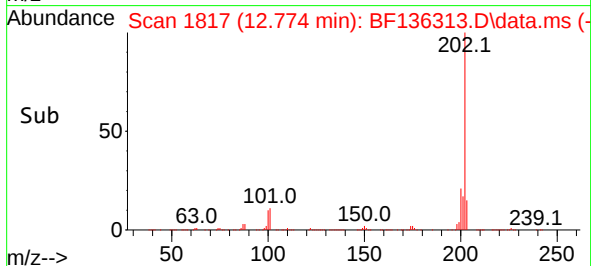
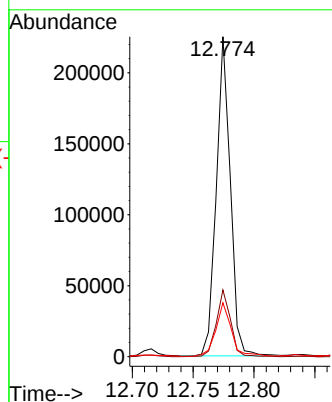
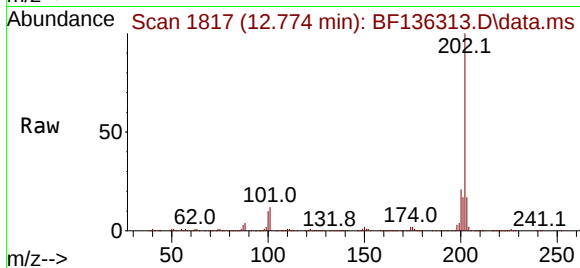
Tgt Ion:202 Resp: 180543

Ion Ratio Lower Upper

202 100

200 20.8 18.4 27.6

203 16.8 11.8 17.6



#79

Terphenyl-d14

Concen: 1.850 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

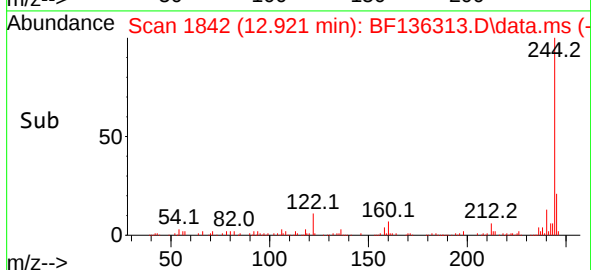
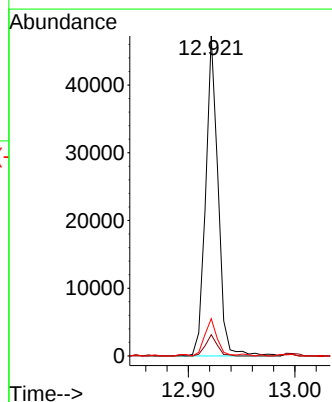
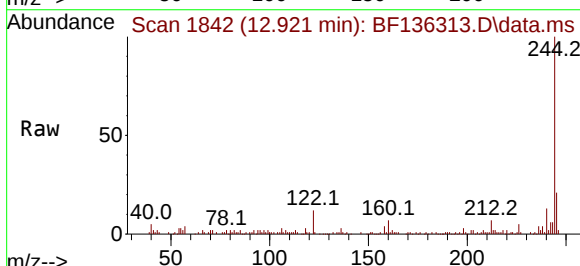
Tgt Ion:244 Resp: 38413

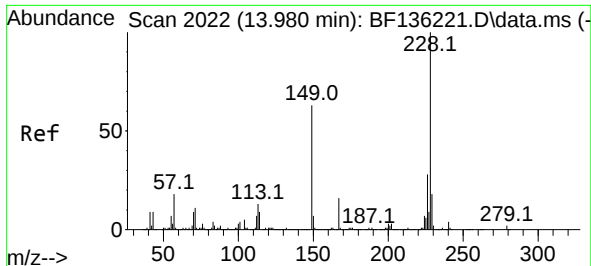
Ion Ratio Lower Upper

244 100

212 6.6 4.6 7.0

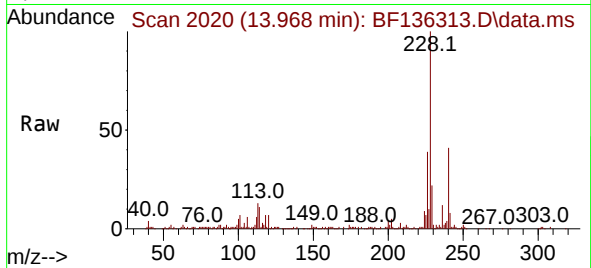
122 11.6 7.3 10.9#



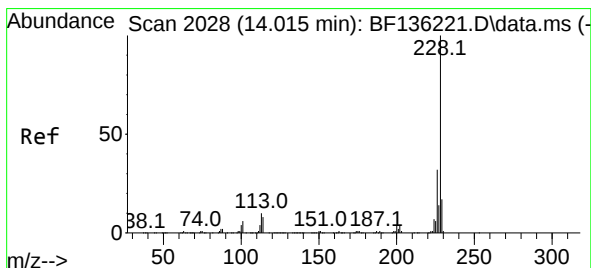
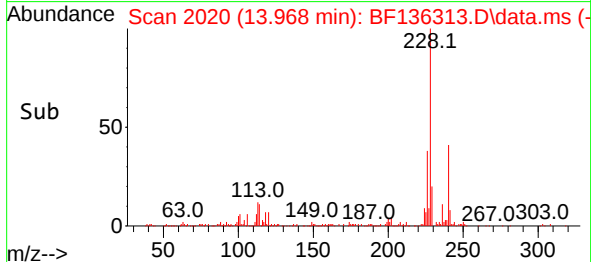
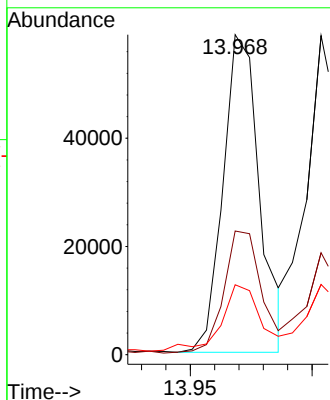


#81
Benzo(a)anthracene
Concen: 3.452 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :

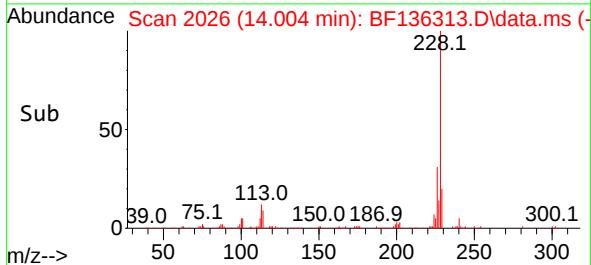
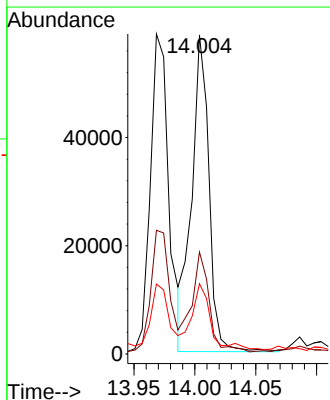
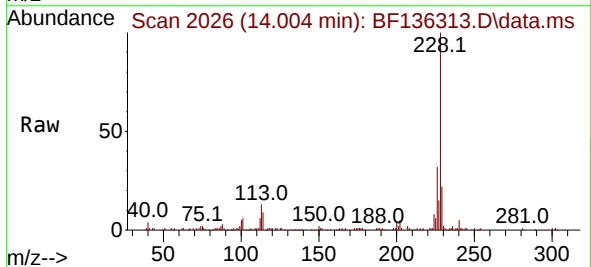


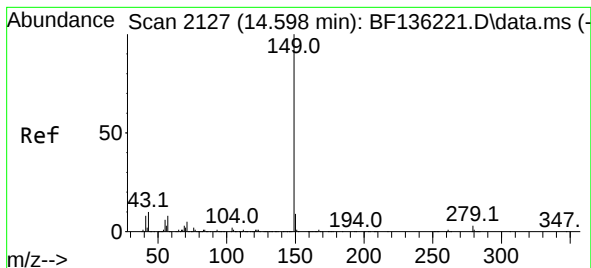
Tgt Ion:228 Resp: 61397
Ion Ratio Lower Upper
228 100
226 38.7 22.6 34.0#
229 21.9 14.0 21.0#



#83
Chrysene
Concen: 3.377 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:228 Resp: 58000
Ion Ratio Lower Upper
228 100
226 31.9 25.5 38.3
229 22.0 13.9 20.9#





#85

Di-n-octyl phthalate

Concen: 5.174 ng

RT: 14.574 min Scan# 2127

Delta R.T. -0.024 min

Lab File: BF136313.D

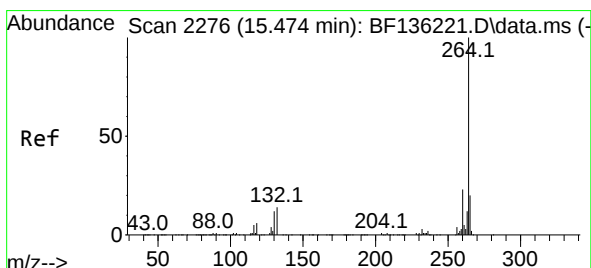
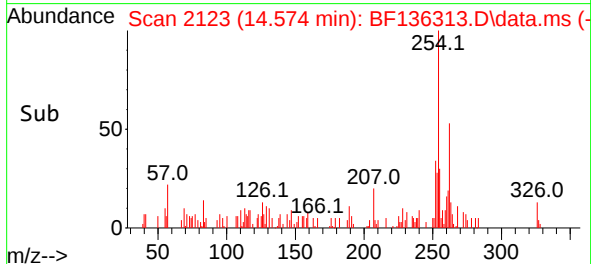
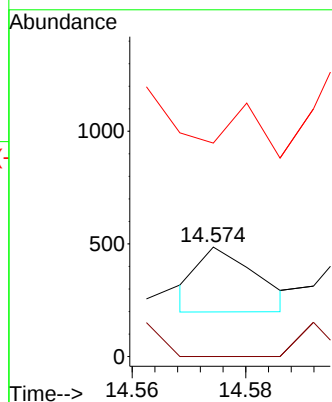
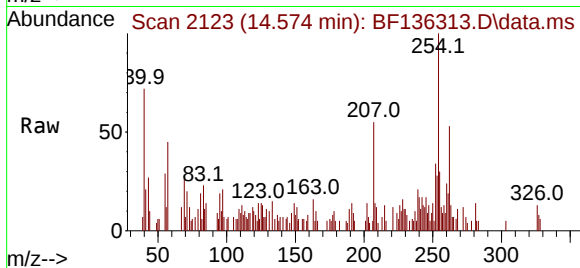
Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:149 Resp: 205
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.0 1.6#
 43 0.0 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

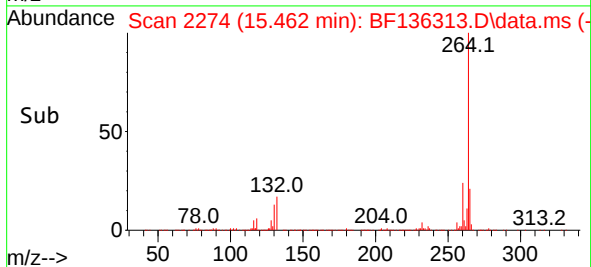
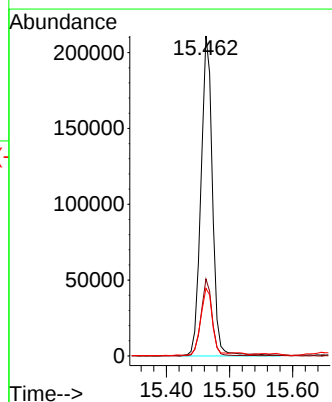
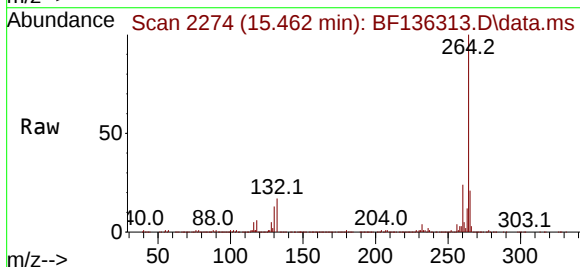
RT: 15.462 min Scan# 2274

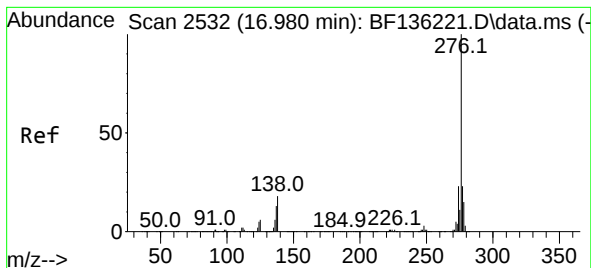
Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Tgt Ion:264 Resp: 267163
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.6 27.8
 265 21.1 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.647 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

Instrument :

BNA_F

ClientSampleId :

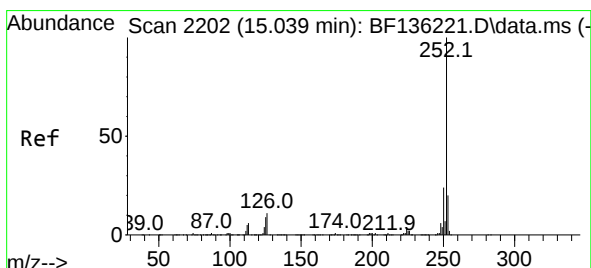
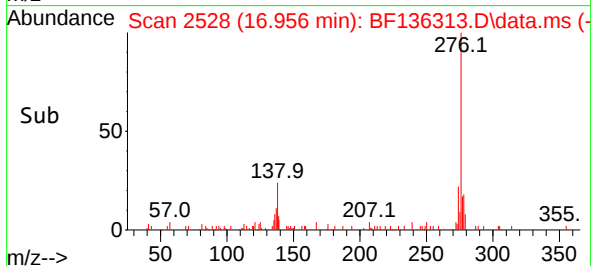
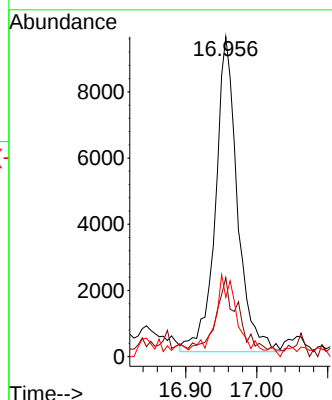
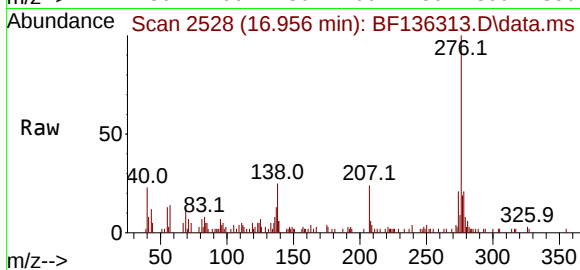
Tgt Ion:276 Resp: 20467

Ion Ratio Lower Upper

276 100

138 24.7 17.7 26.5

277 23.3 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 3.343 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF136313.D

Acq: 30 Nov 2023 14:52

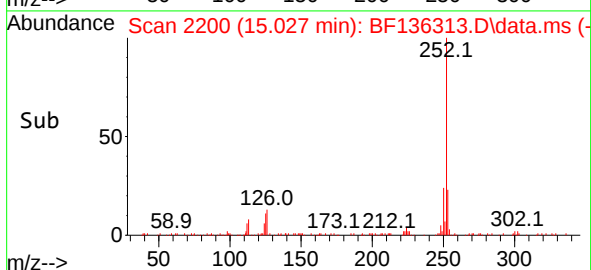
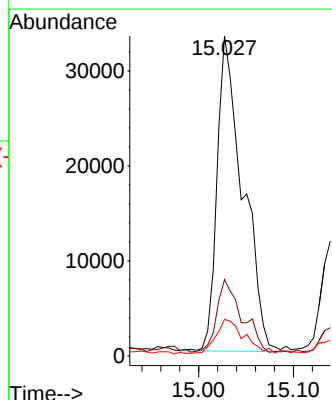
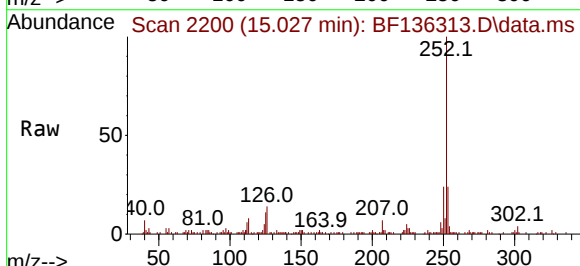
Tgt Ion:252 Resp: 62667

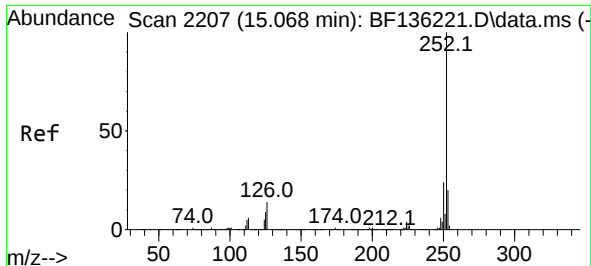
Ion Ratio Lower Upper

252 100

253 23.8 16.2 24.2

125 11.4 6.9 10.3#

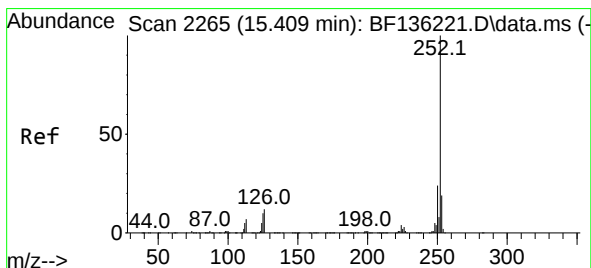
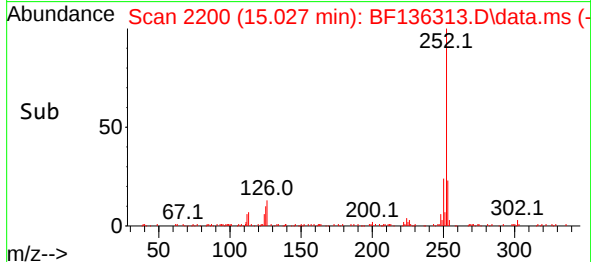
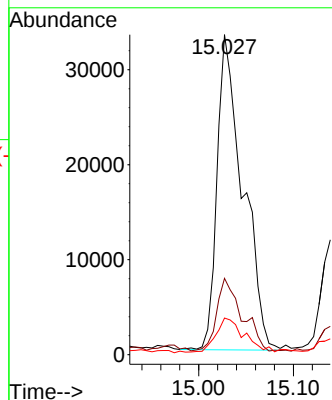
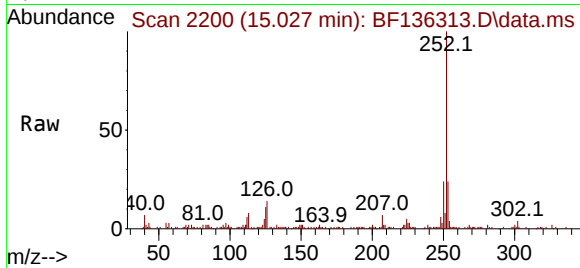




#89
Benzo(k)fluoranthene
Concen: 3.520 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

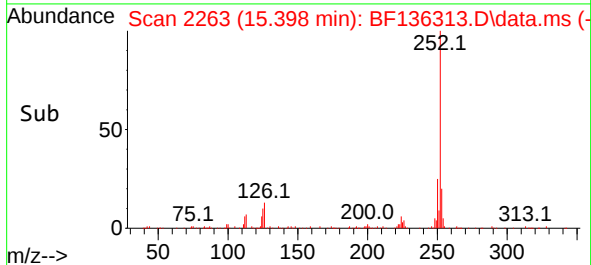
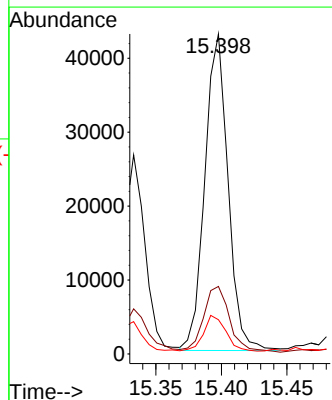
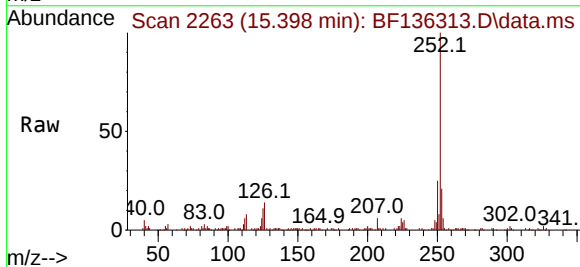
Instrument :
BNA_F
ClientSampleId :

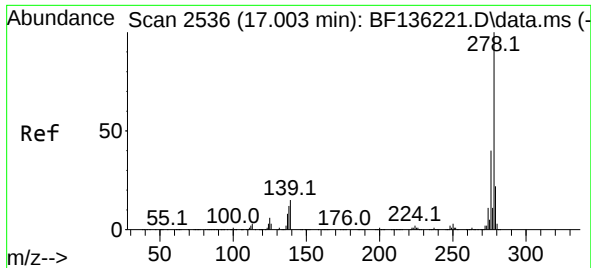
Tgt Ion:252 Resp: 62667
Ion Ratio Lower Upper
252 100
253 23.8 15.6 23.4#
125 11.4 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 3.447 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:252 Resp: 52823
Ion Ratio Lower Upper
252 100
253 21.1 15.5 23.3
125 10.7 7.9 11.9

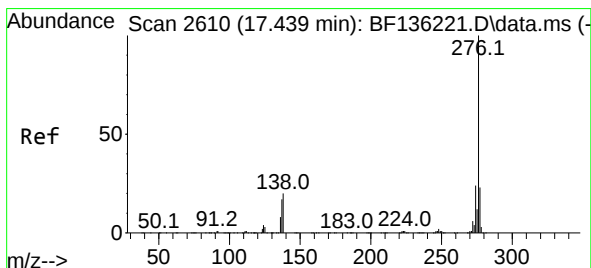
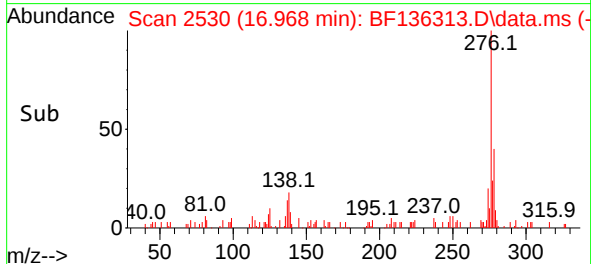
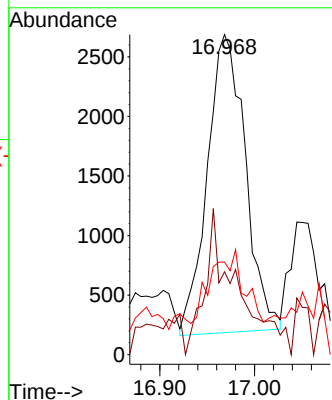
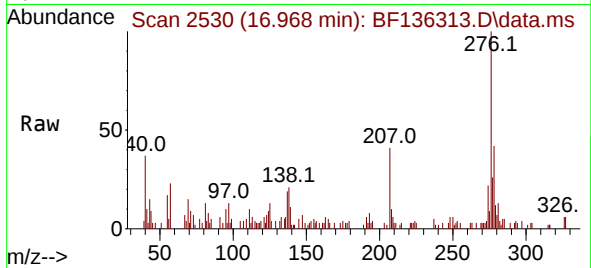




#91
Dibenzo(a,h)anthracene
Concen: 3.125 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 6989
Ion Ratio Lower Upper
278 100
139 25.9 11.7 17.5#
279 29.0 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 3.045 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.030 min
Lab File: BF136313.D
Acq: 30 Nov 2023 14:52

Tgt Ion:276 Resp: 19166
Ion Ratio Lower Upper
276 100
277 24.4 18.6 27.8
138 18.9 15.8 23.8

