

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136269.D
 Acq On : 29 Nov 2023 01:54
 Operator : CG\JU
 Sample : 05507-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11202023

Quant Time: Nov 29 03:13:27 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)

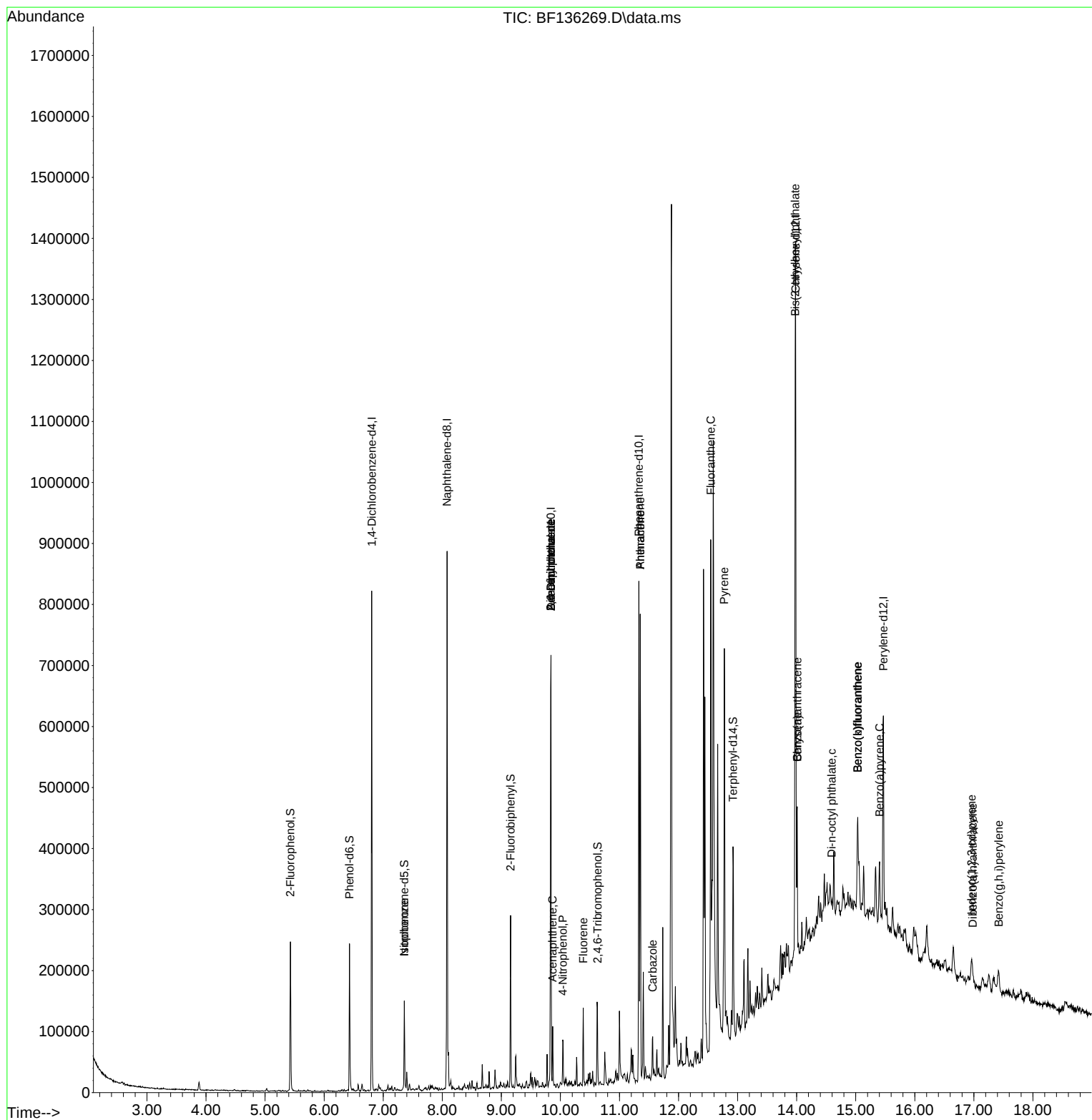
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	105621	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	348653	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	139315	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	278534	20.000	ng	0.00
76) Chrysene-d12	13.980	240	262071	20.000	ng	-0.01
86) Perylene-d12	15.468	264	171636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	62133	8.188	ng	-0.01
7) Phenol-d6	6.428	99	70079	7.386	ng	-0.02
23) Nitrobenzene-d5	7.357	82	39487	5.985	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	13205	7.753	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	74091	6.793	ng	-0.01
79) Terphenyl-d14	12.922	244	103948	4.575	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.357	82	39486	3.319	ng	# 68
50) Dimethylphthalate	9.839	163	29399	2.792	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	17219	8.005	ng	# 25
52) Acenaphthene	9.869	154	17292	2.010	ng	# 91
56) 4-Nitrophenol	10.039	139	8400	5.182	ng	# 6
57) 2,4-Dinitrotoluene	9.839	165	17219	5.992	ng	# 28
58) Fluorene	10.386	166	29516	2.939	ng	# 94
71) Phenanthrene	11.351	178	261627	16.712	ng	# 98
72) Anthracene	11.351	178	261627	16.665	ng	# 99
73) Carbazole	11.563	167	28425	2.129	ng	# 96
75) Fluoranthene	12.545	202	312231	19.647	ng	# 93
78) Pyrene	12.775	202	253444	8.830	ng	# 96
81) Benzo(a)anthracene	14.010	228	108910	5.595	ng	# 94
83) Chrysene	14.010	228	108910	5.795	ng	# 96
84) Bis(2-ethylhexyl)phtha...	13.974	149	112655	10.509	ng	# 99
85) Di-n-octyl phthalate	14.592	149	1243	5.226	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.962	276	28448	4.773	ng	# 100
88) Benzo(b)fluoranthene	15.033	252	114427	9.503	ng	# 88
89) Benzo(k)fluoranthene	15.033	252	114427	10.005	ng	# 87
90) Benzo(a)pyrene	15.404	252	53895	5.475	ng	# 93
91) Dibenzo(a,h)anthracene	16.980	278	8072	3.453	ng	# 52
92) Benzo(g,h,i)perylene	17.421	276	28873	4.584	ng	# 99

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

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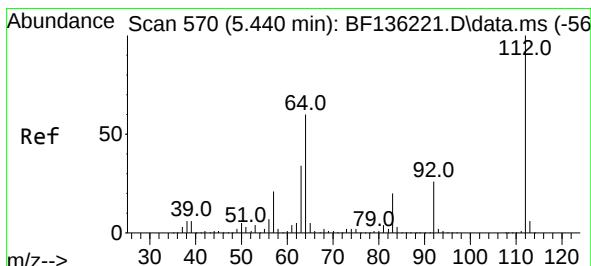
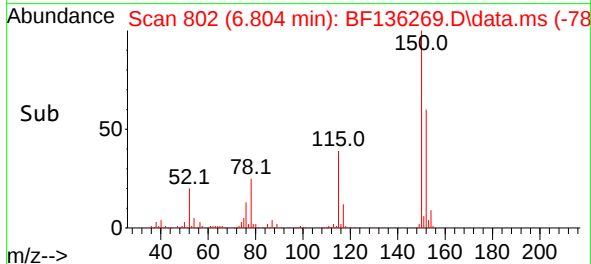
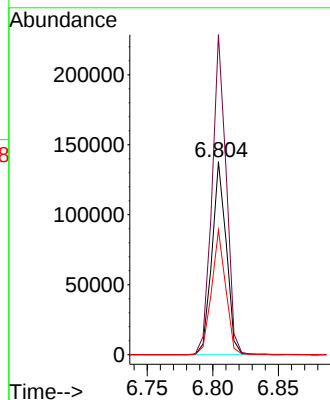
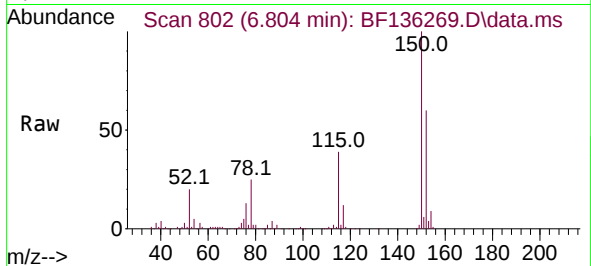




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

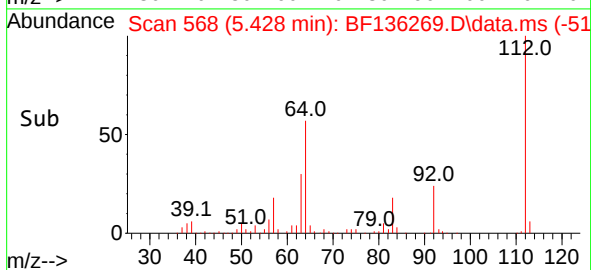
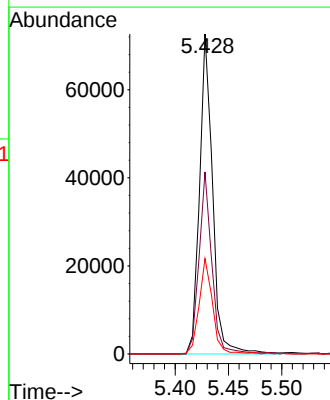
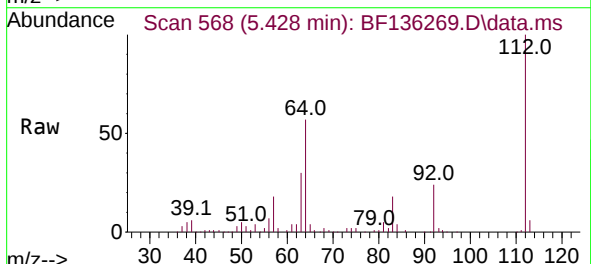
Instrument :
BNA_F
ClientSampleId :
SU-04-11202023

Tgt Ion:152 Resp: 105621
Ion Ratio Lower Upper
152 100
150 165.9 137.8 206.8
115 64.6 52.7 79.1



#5
2-Fluorophenol
Concen: 8.188 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:112 Resp: 62133
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.4
63 29.8 27.0 40.6

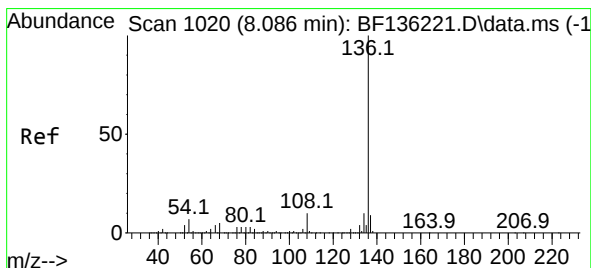
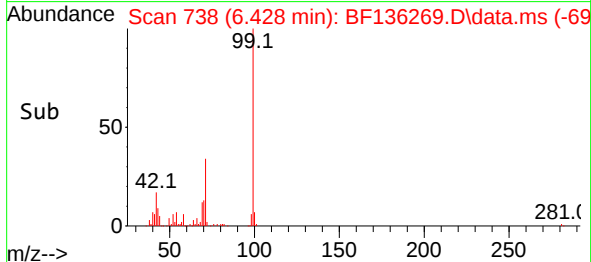
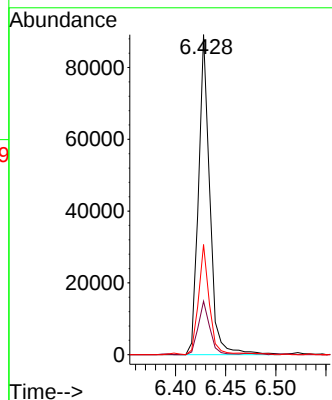
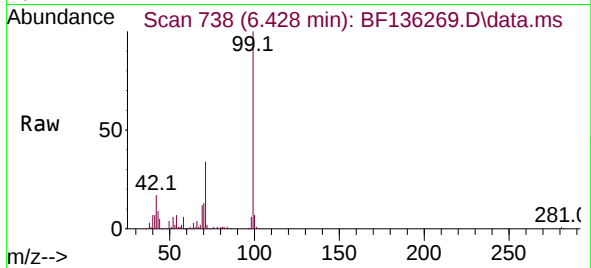




#7
Phenol-d6
Concen: 7.386 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

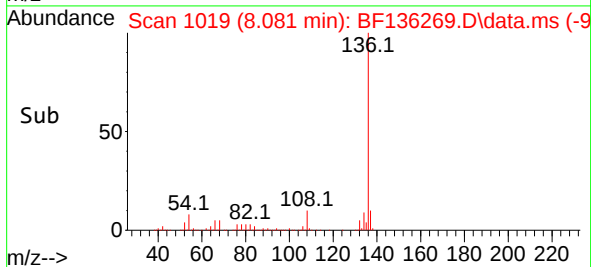
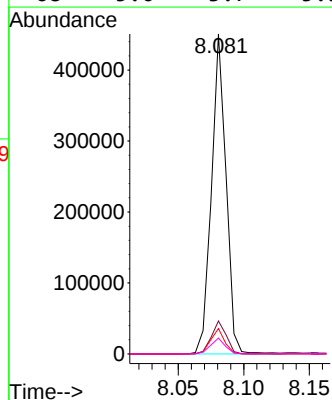
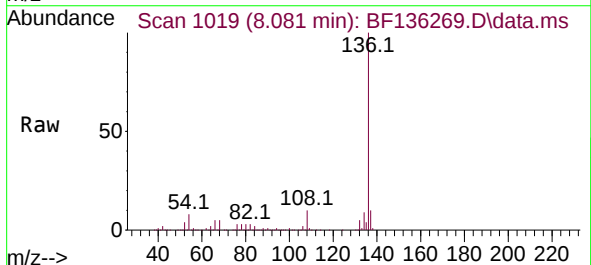
Instrument :
BNA_F
ClientSampleId :
SU-04-11202023

Tgt Ion: 99 Resp: 70079
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 34.4 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: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion: 136 Resp: 348653
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.2
54 8.0 5.5 8.3
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 5.985 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

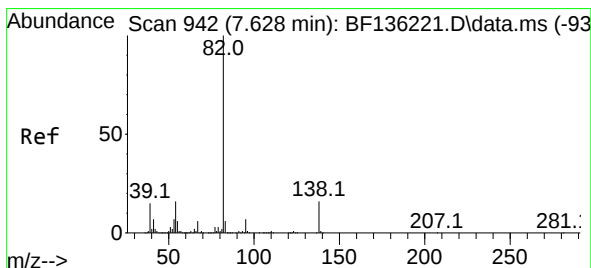
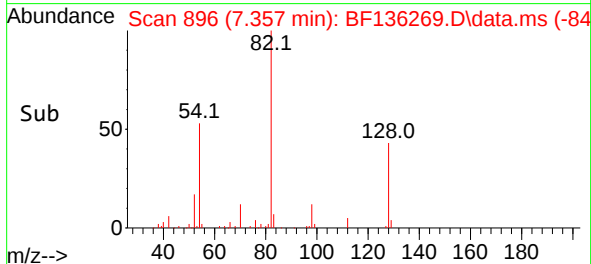
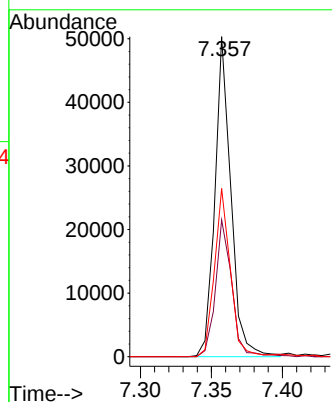
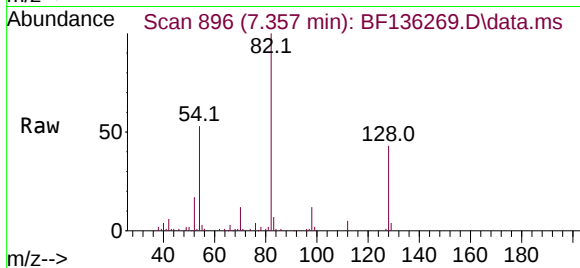
Tgt Ion: 82 Resp: 39487

Ion Ratio Lower Upper

82 100

128 42.7 33.4 50.2

54 52.6 41.7 62.5



#25

Isophorone

Concen: 3.319 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.270 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

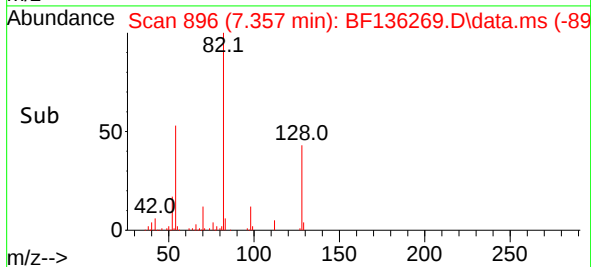
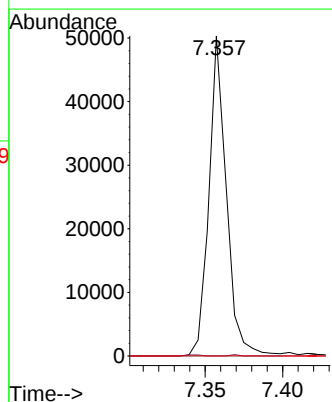
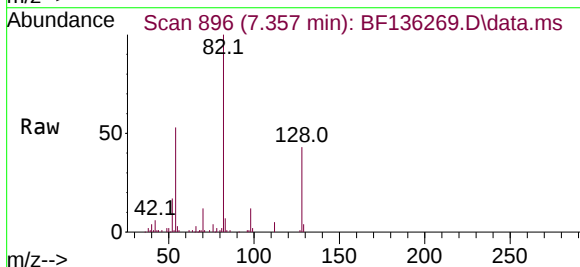
Tgt Ion: 82 Resp: 39486

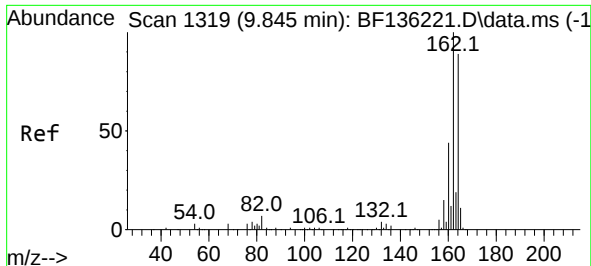
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 12.8 19.2#

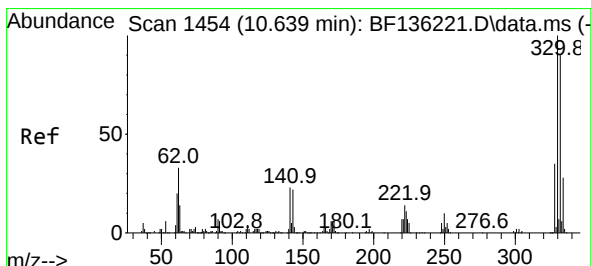
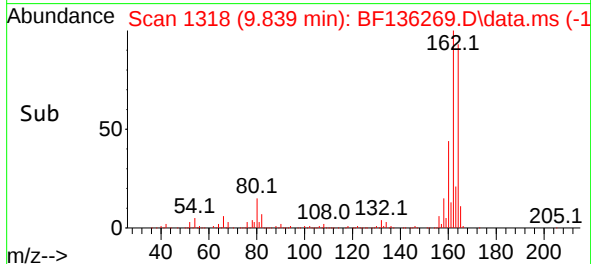
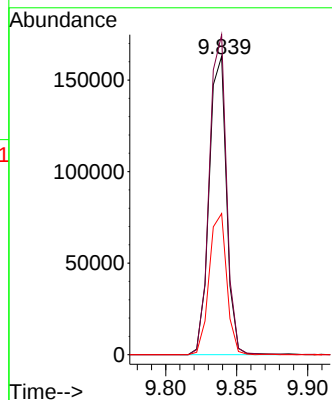
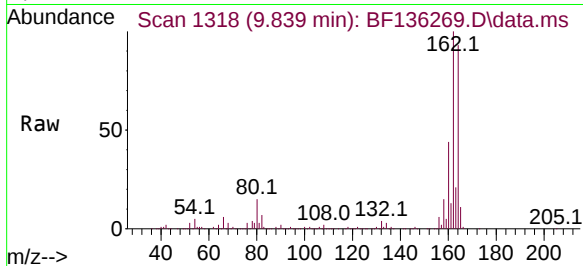




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

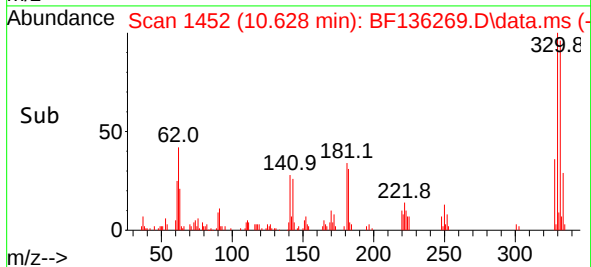
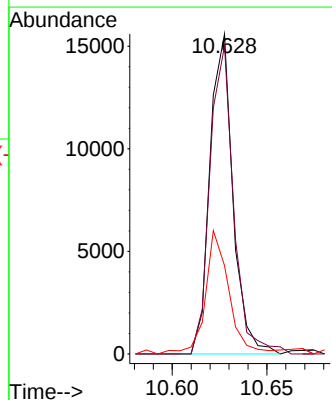
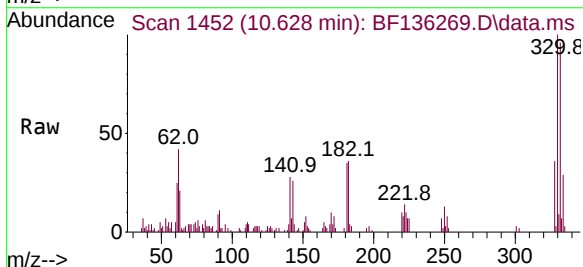
Instrument :
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ClientSampleId :
SU-04-11202023

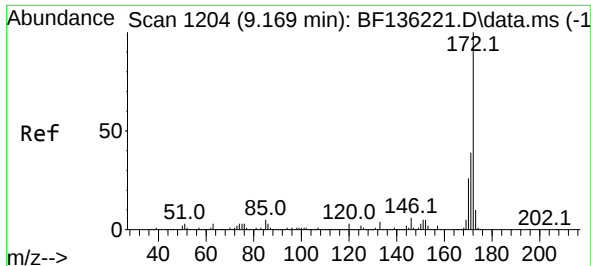
Tgt Ion:164 Resp: 139315
Ion Ratio Lower Upper
164 100
162 107.2 89.5 134.3
160 47.3 39.6 59.4



#42
2,4,6-Tribromophenol
Concen: 7.753 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:330 Resp: 13205
Ion Ratio Lower Upper
330 100
332 99.3 73.0 109.6
141 39.2 24.2 36.2#





#45

2-Fluorobiphenyl

Concen: 6.793 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

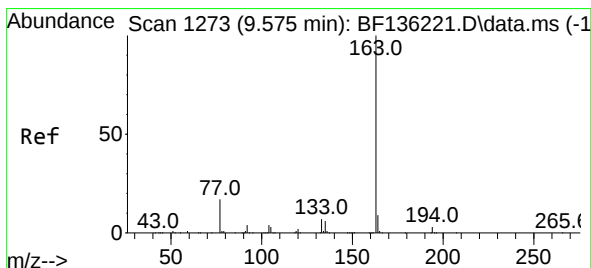
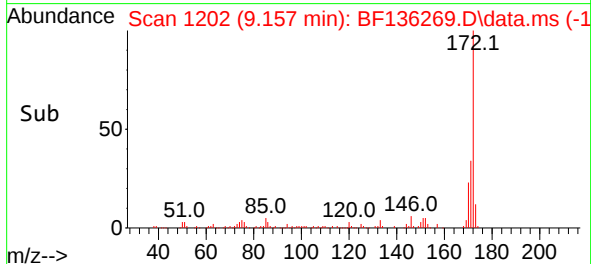
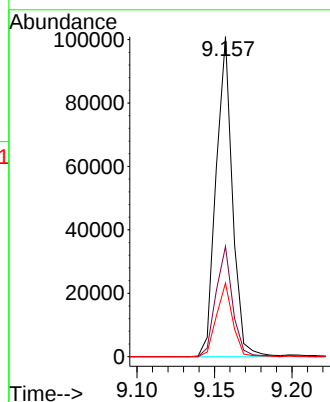
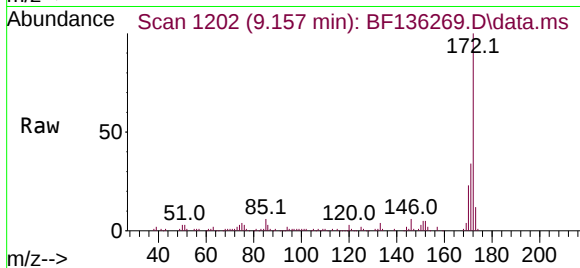
Tgt Ion:172 Resp: 74091

Ion Ratio Lower Upper

172 100

171 34.5 31.5 47.3

170 23.0 20.8 31.2



#50

Dimethylphthalate

Concen: 2.792 ng

RT: 9.839 min Scan# 1318

Delta R.T. 0.265 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

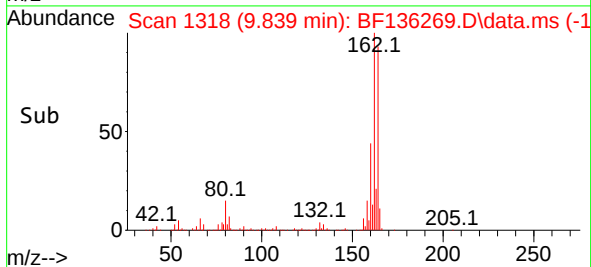
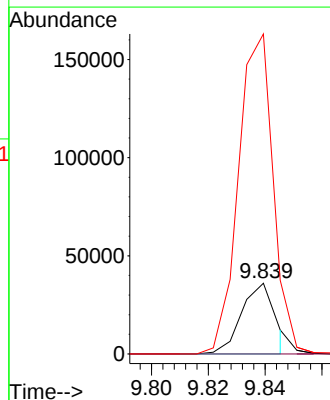
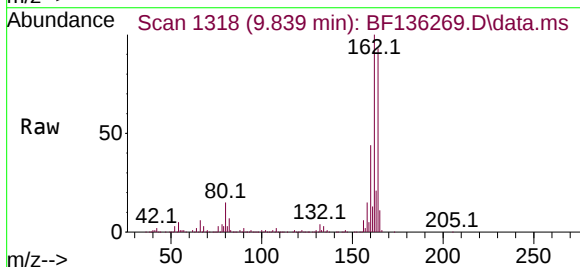
Tgt Ion:163 Resp: 29399

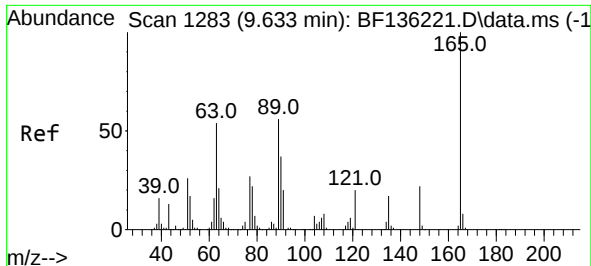
Ion Ratio Lower Upper

163 100

194 0.0 2.5 3.7#

164 452.6 7.0 10.6#





#51

2,6-Dinitrotoluene

Concen: 8.005 ng

RT: 9.839 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

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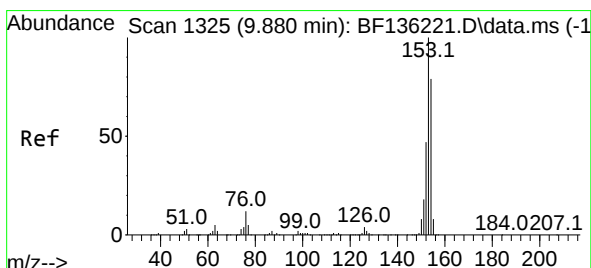
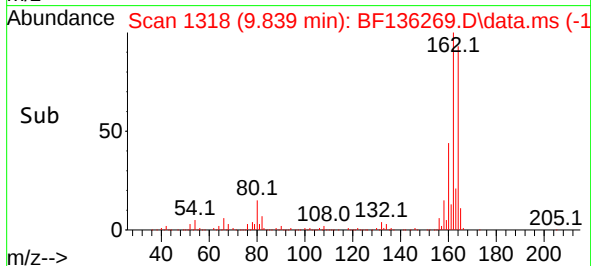
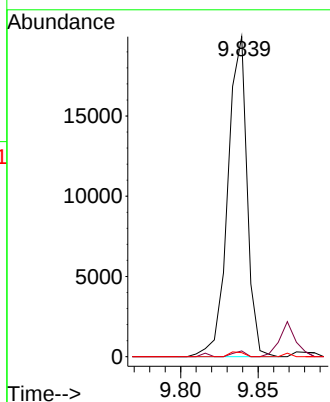
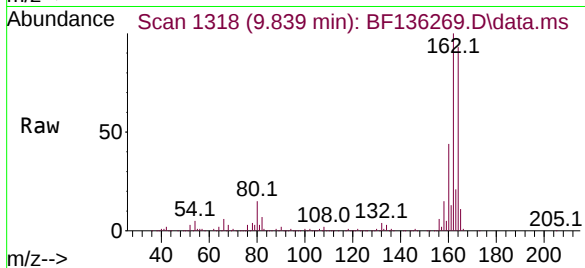
Tgt Ion:165 Resp: 17219

Ion Ratio Lower Upper

165 100

63 1.8 46.2 69.2#

89 1.3 44.9 67.3#



#52

Acenaphthene

Concen: 2.010 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

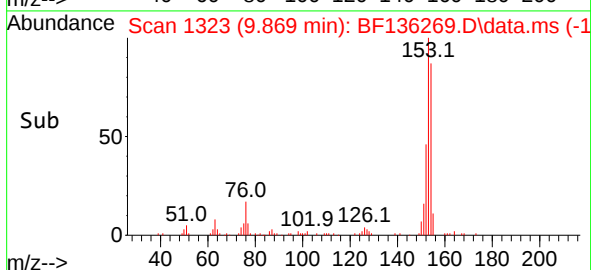
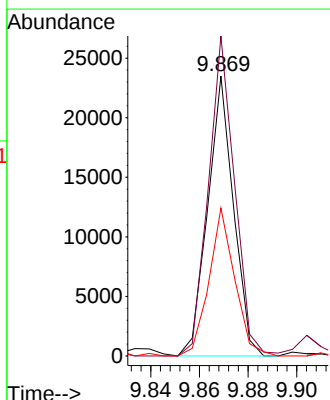
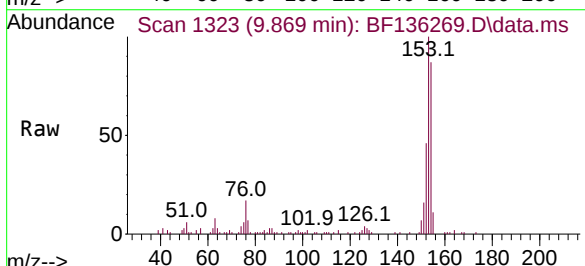
Tgt Ion:154 Resp: 17292

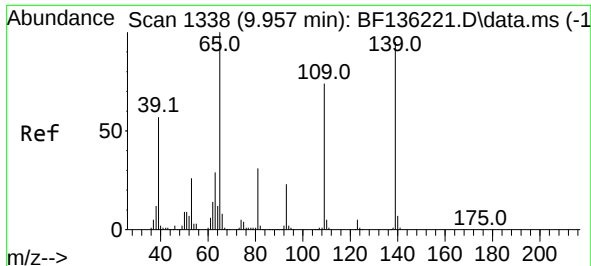
Ion Ratio Lower Upper

154 100

153 114.3 100.8 151.2

152 52.9 47.0 70.6

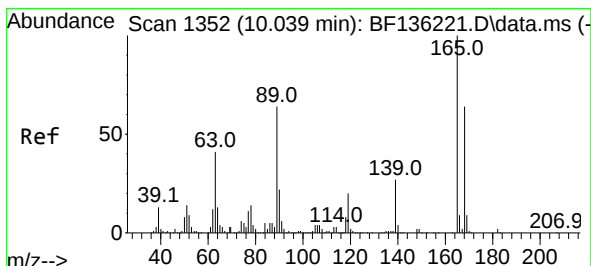
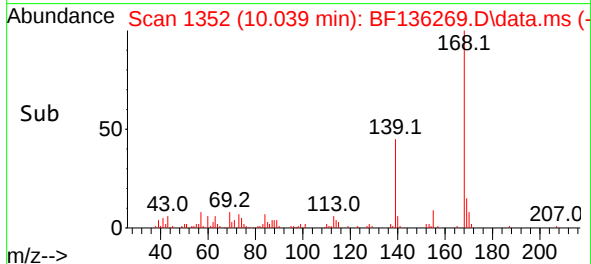
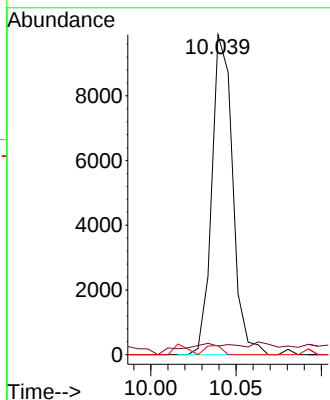
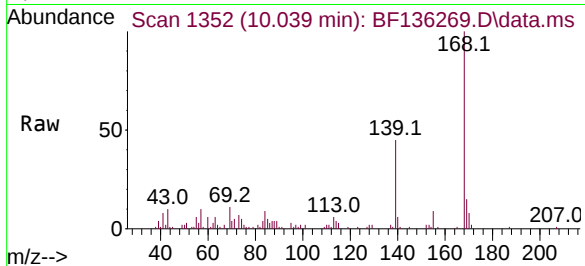




#56
4-Nitrophenol
Concen: 5.182 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

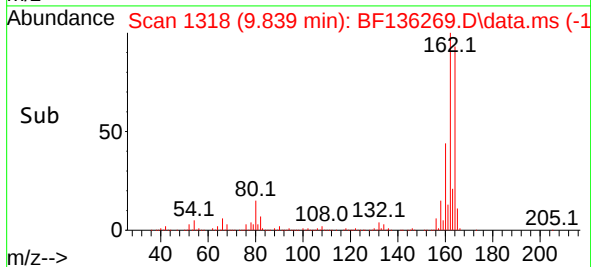
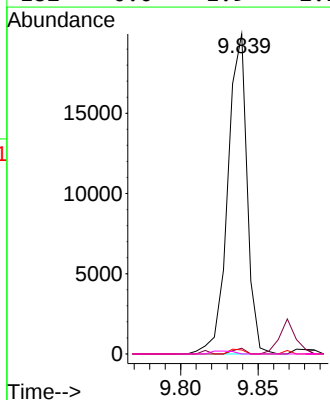
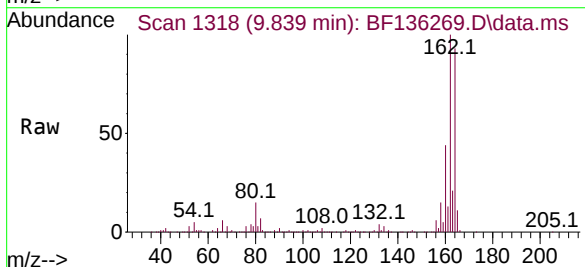
Instrument :
BNA_F
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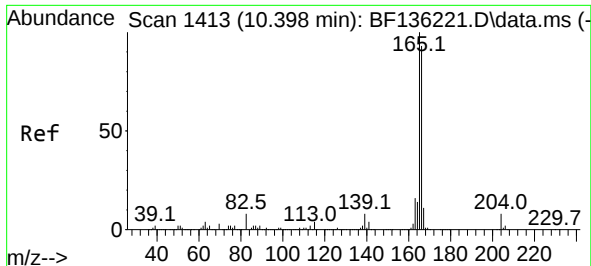
Tgt Ion:139 Resp: 8400
Ion Ratio Lower Upper
139 100
109 2.7 57.8 97.8#
65 2.9 86.0 126.0#



#57
2,4-Dinitrotoluene
Concen: 5.992 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:165 Resp: 17219
Ion Ratio Lower Upper
165 100
63 1.8 33.0 49.4#
89 1.3 51.5 77.3#
182 0.0 1.9 2.9#

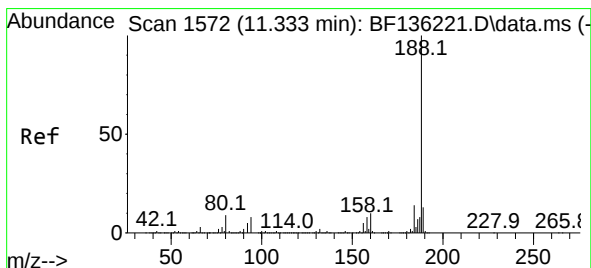
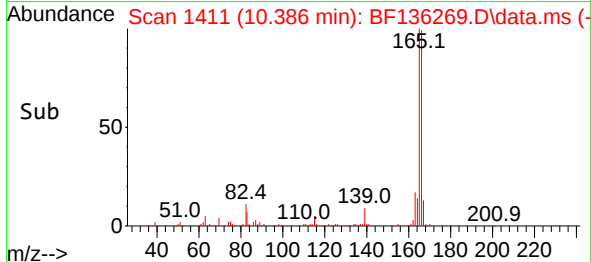
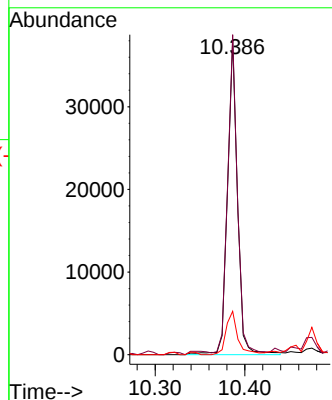
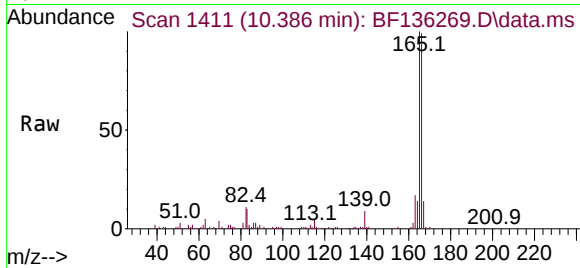




#58
Fluorene
Concen: 2.939 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

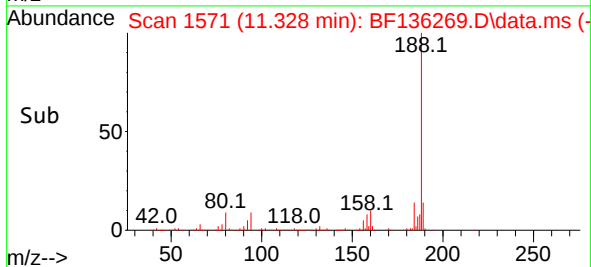
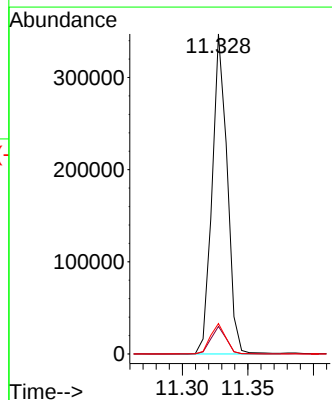
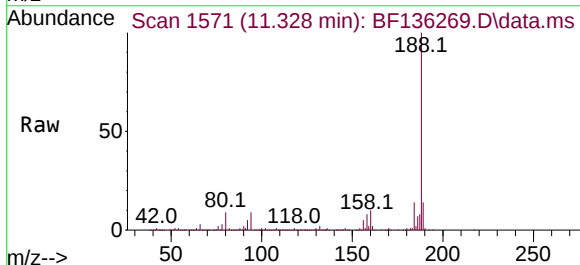
Instrument :
BNA_F
ClientSampleId :
SU-04-11202023

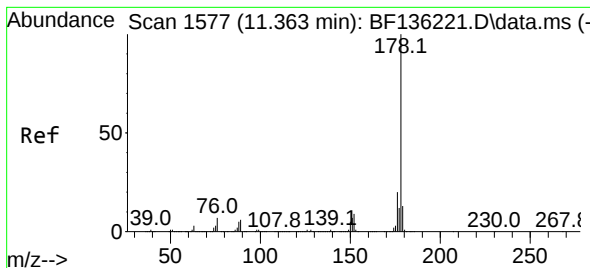
Tgt Ion:166 Resp: 29516
Ion Ratio Lower Upper
166 100
165 101.5 86.2 129.4
167 13.7 9.1 13.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:188 Resp: 278534
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.5 7.2 10.8





#71

Phenanthrene

Concen: 16.712 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

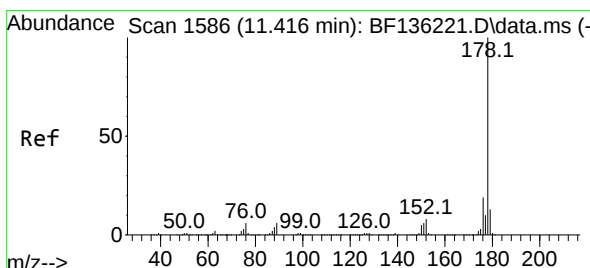
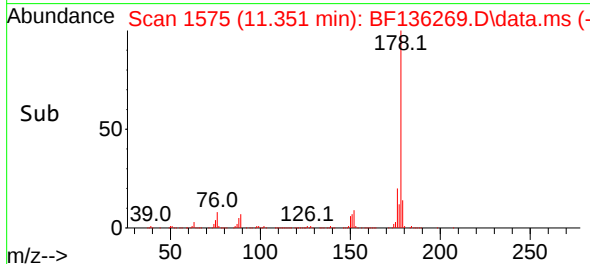
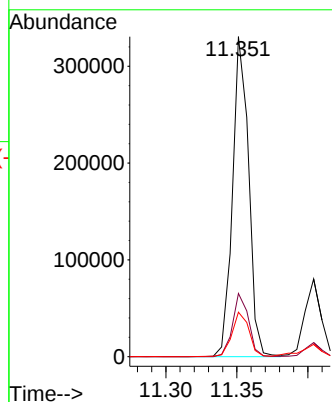
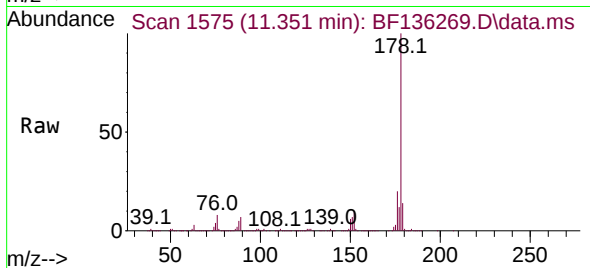
Tgt Ion:178 Resp: 261627

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

179 13.9 10.3 15.5



#72

Anthracene

Concen: 16.665 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.065 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

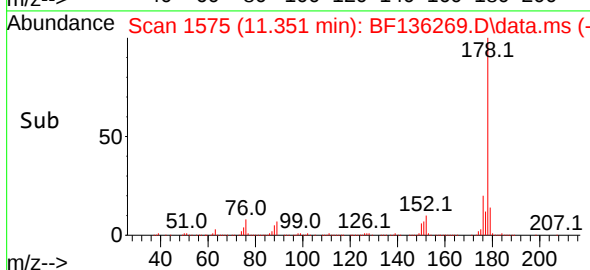
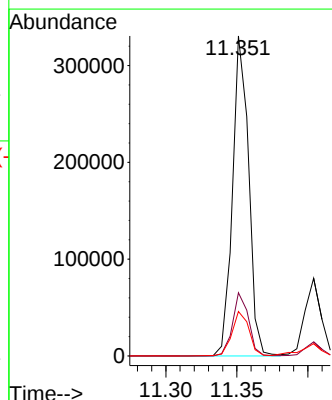
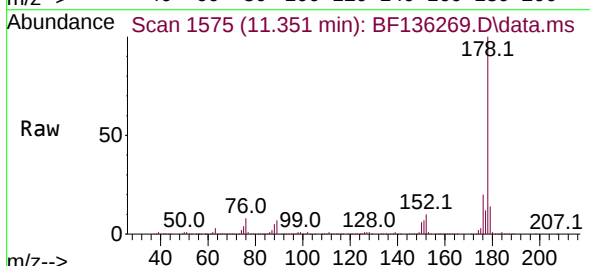
Tgt Ion:178 Resp: 261627

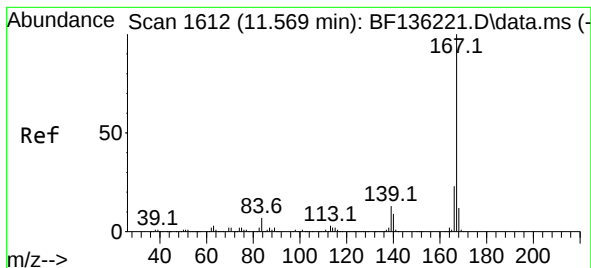
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 13.9 10.5 15.7





#73

Carbazole

Concen: 2.129 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

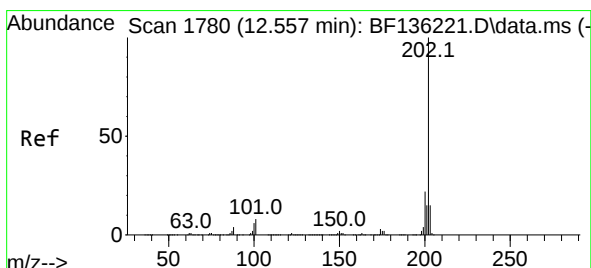
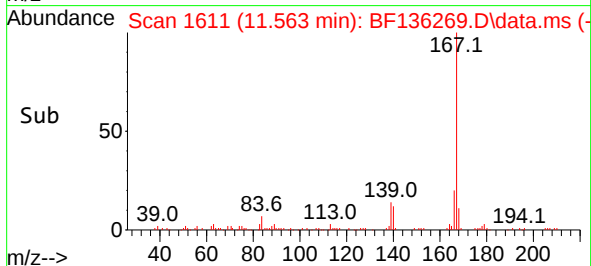
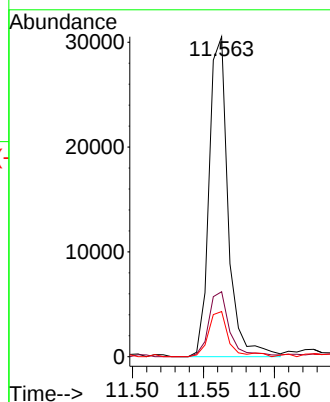
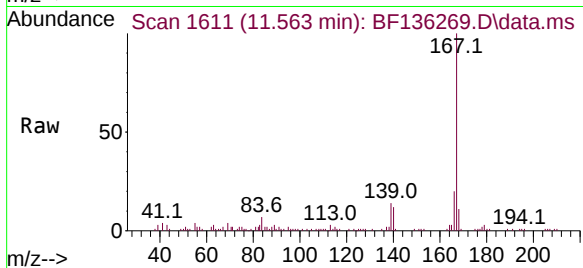
Tgt Ion:167 Resp: 28425

Ion Ratio Lower Upper

167 100

166 20.3 18.4 27.6

139 14.1 10.5 15.7



#75

Fluoranthene

Concen: 19.647 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

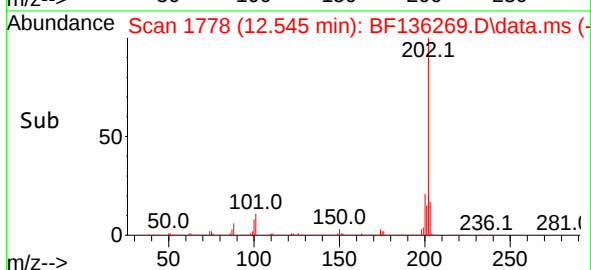
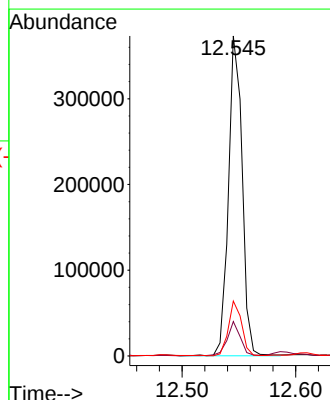
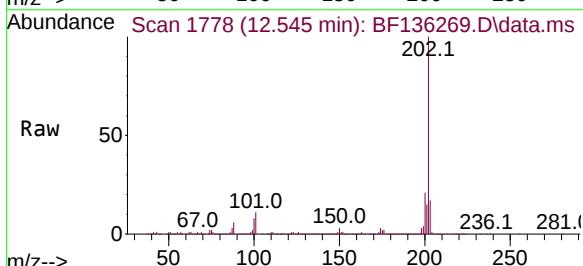
Tgt Ion:202 Resp: 312231

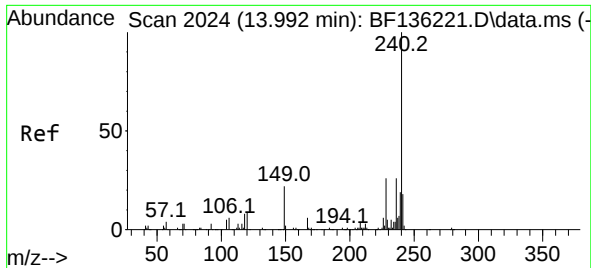
Ion Ratio Lower Upper

202 100

101 10.8 0.0 27.8

203 17.1 0.0 34.5

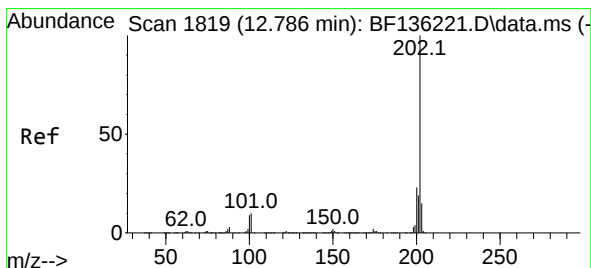
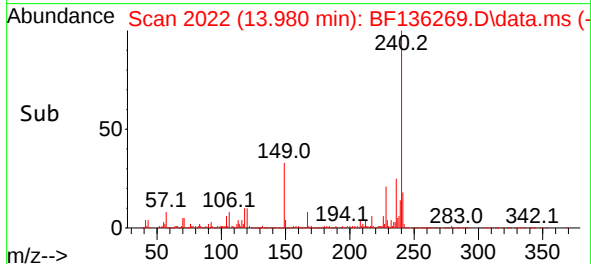
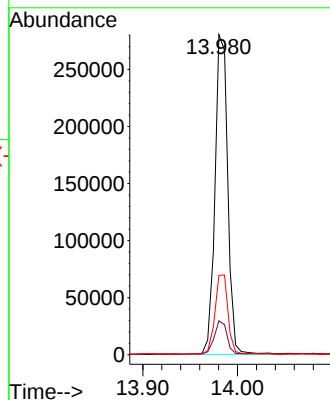
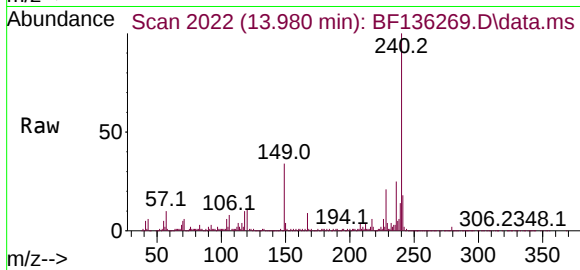




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

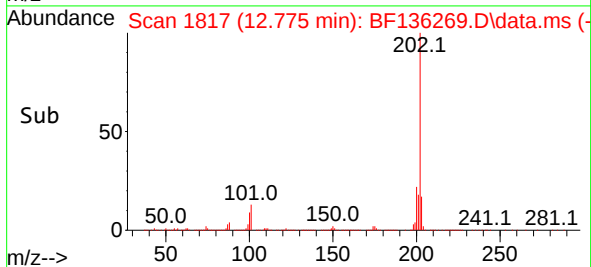
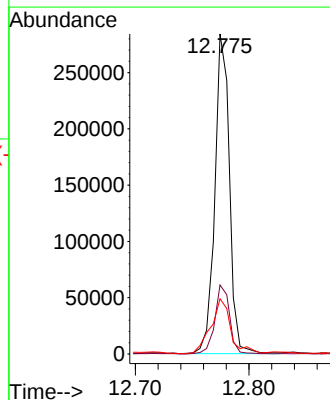
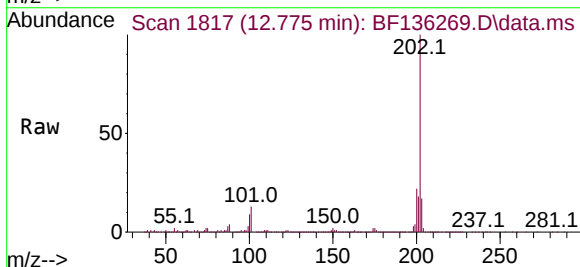
Instrument :
BNA_F
ClientSampleId :
SU-04-11202023

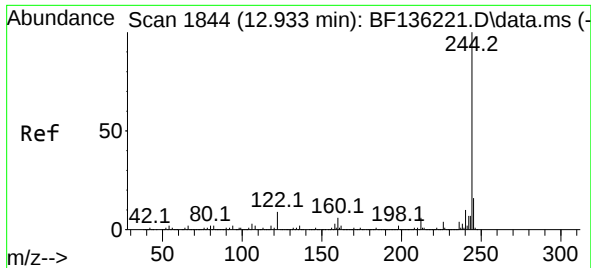
Tgt Ion:240 Resp: 262071
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.2
236 24.8 21.1 31.7



#78
Pyrene
Concen: 8.830 ng
RT: 12.775 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:202 Resp: 253444
Ion Ratio Lower Upper
202 100
200 21.6 18.4 27.6
203 17.3 11.8 17.6

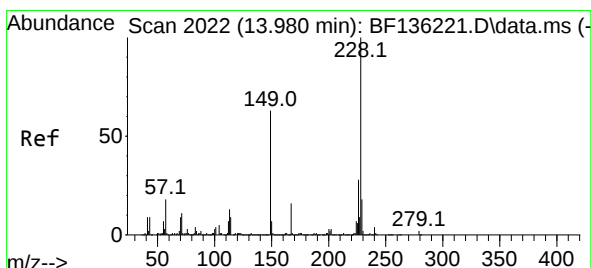
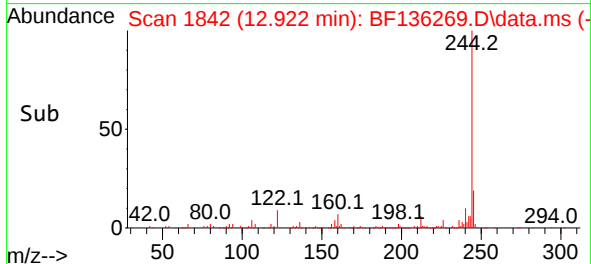
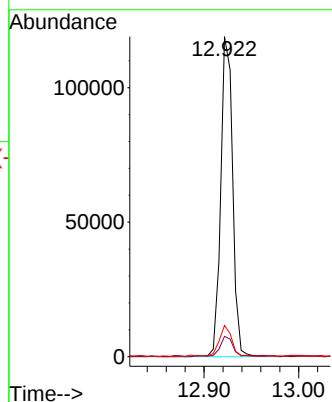
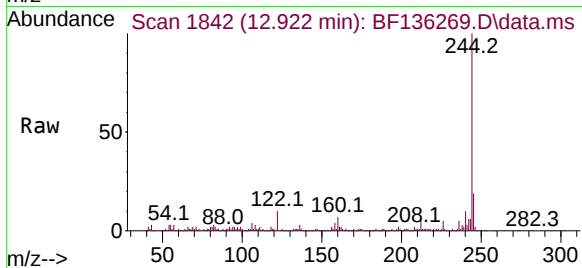




#79
 Terphenyl-d14
 Concen: 4.575 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136269.D
 Acq: 29 Nov 2023 01:54

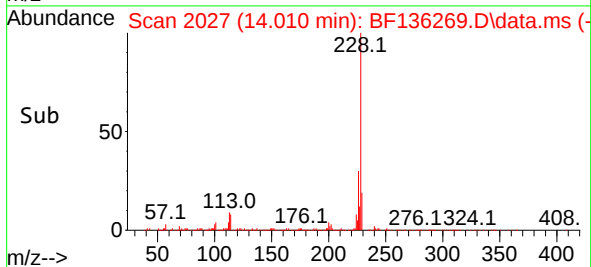
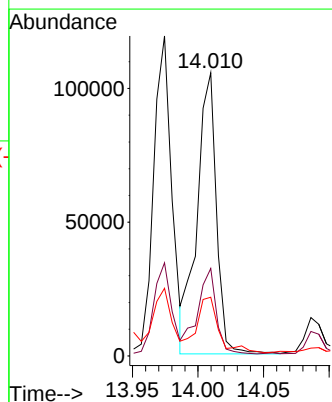
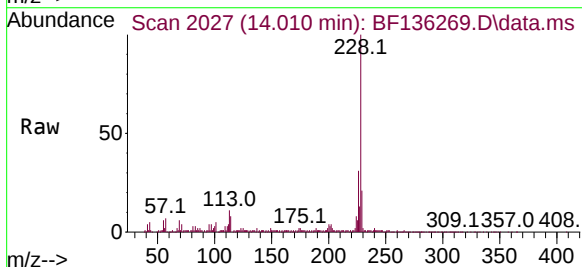
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11202023

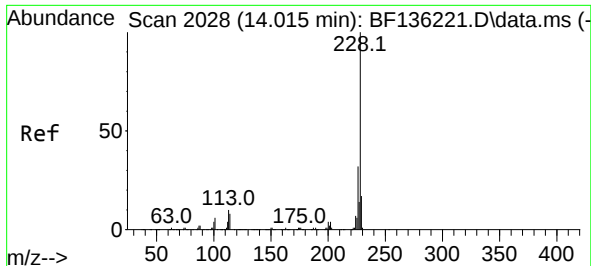
Tgt Ion:244 Resp: 103948
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.6 7.0
 122 9.8 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 5.595 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.030 min
 Lab File: BF136269.D
 Acq: 29 Nov 2023 01:54

Tgt Ion:228 Resp: 108910
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 34.0
 229 20.7 14.0 21.0





#83

Chrysene

Concen: 5.795 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

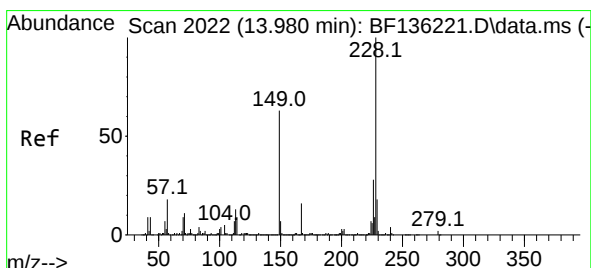
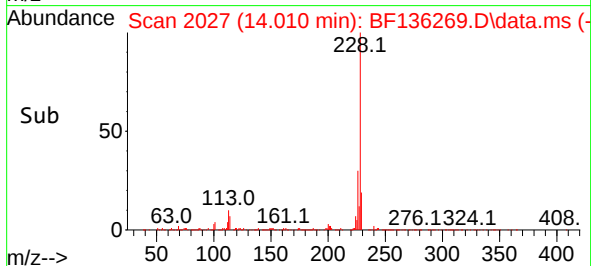
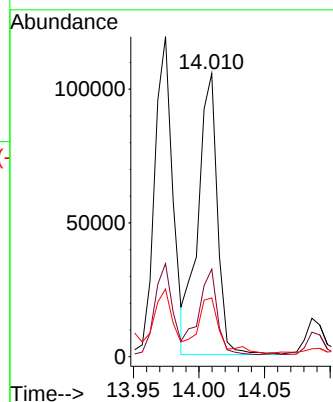
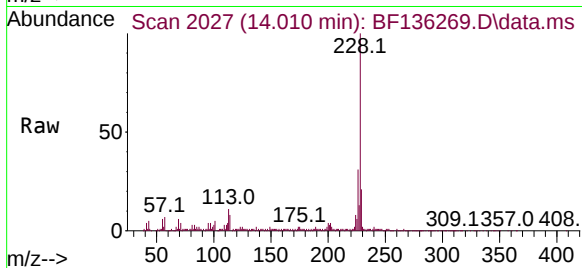
Tgt Ion:228 Resp: 108910

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

229 20.7 13.9 20.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.509 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

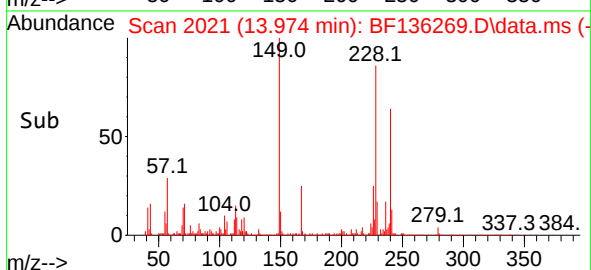
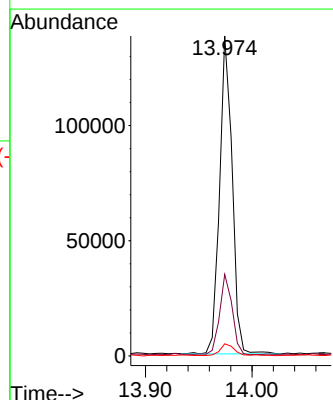
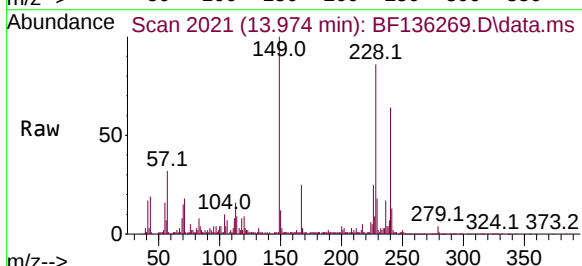
Tgt Ion:149 Resp: 112655

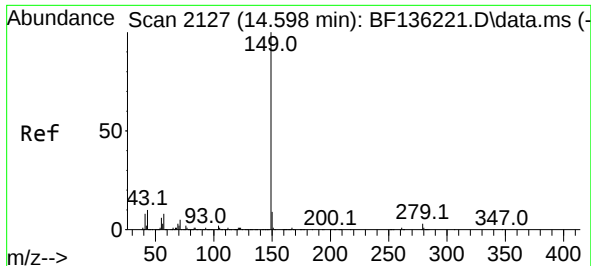
Ion Ratio Lower Upper

149 100

167 25.5 20.2 30.2

279 3.8 2.4 3.6#

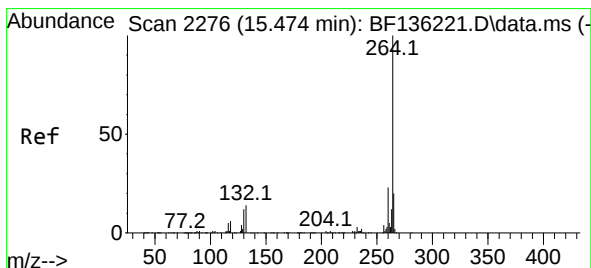
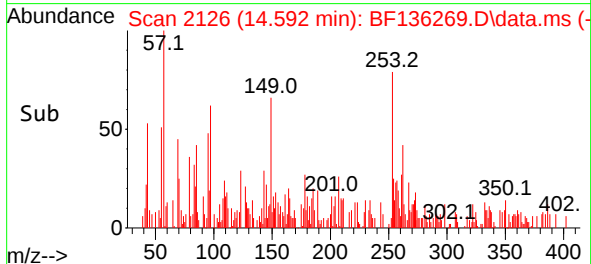
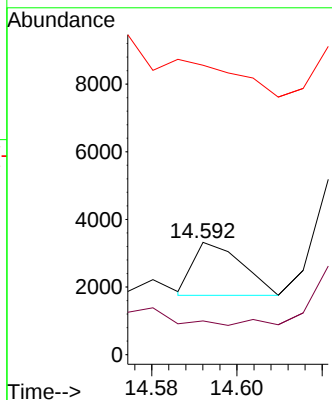
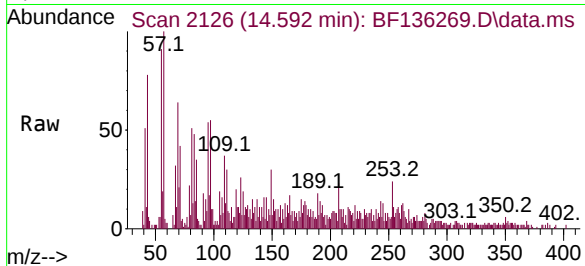




#85
Di-n-octyl phthalate
Concen: 5.226 ng
RT: 14.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

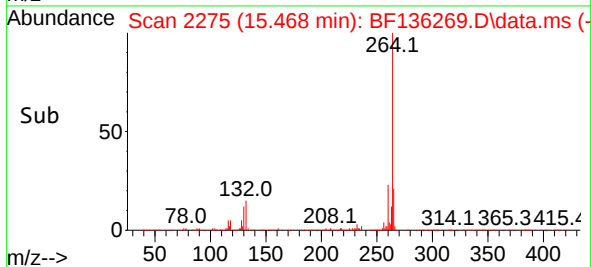
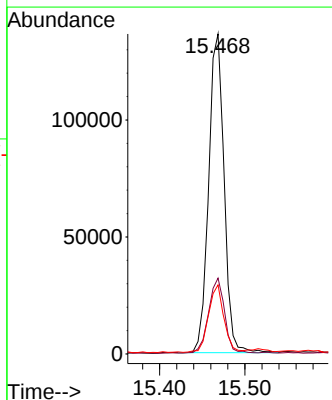
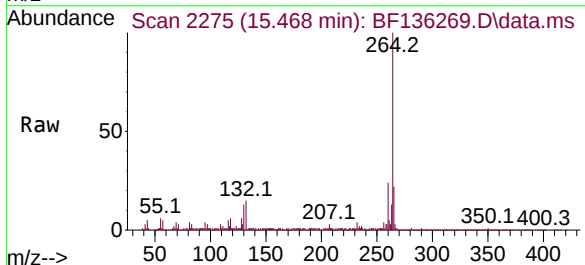
Instrument :
BNA_F
ClientSampleId :
SU-04-11202023

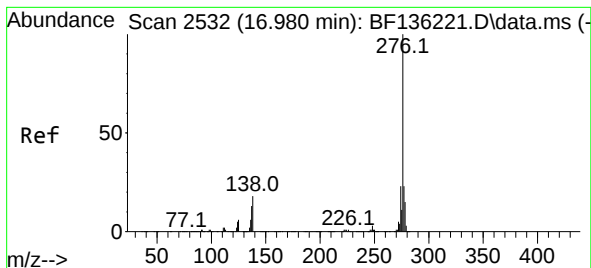
Tgt Ion:149 Resp: 1243
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 0.0 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:264 Resp: 171636
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.6 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.773 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

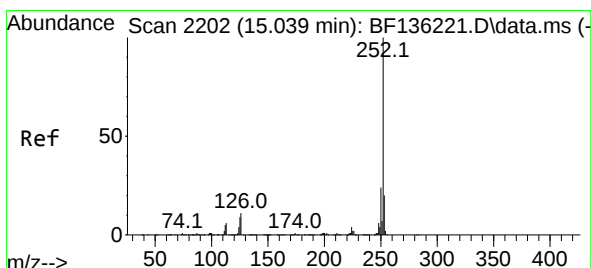
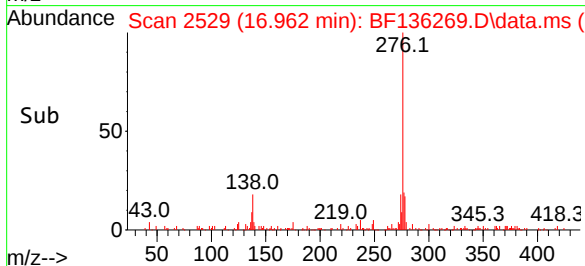
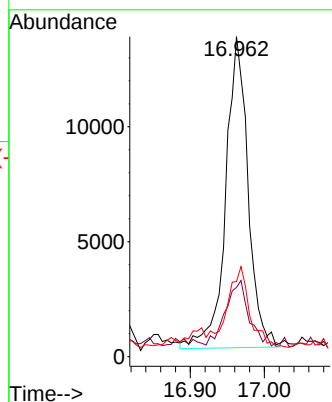
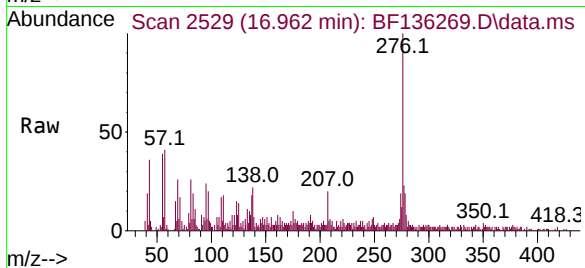
Tgt Ion:276 Resp: 28448

Ion Ratio Lower Upper

276 100

138 22.3 17.7 26.5

277 24.6 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 9.503 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

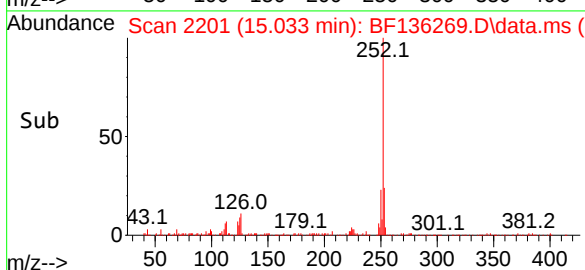
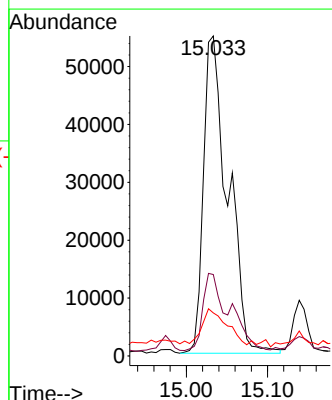
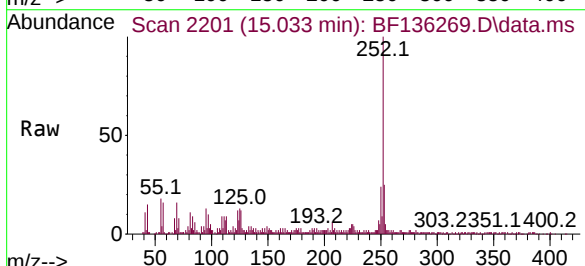
Tgt Ion:252 Resp: 114427

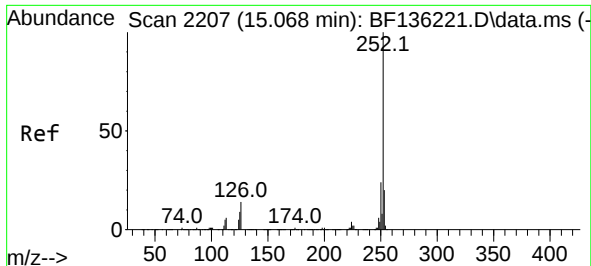
Ion Ratio Lower Upper

252 100

253 25.5 16.2 24.2#

125 13.5 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 10.005 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

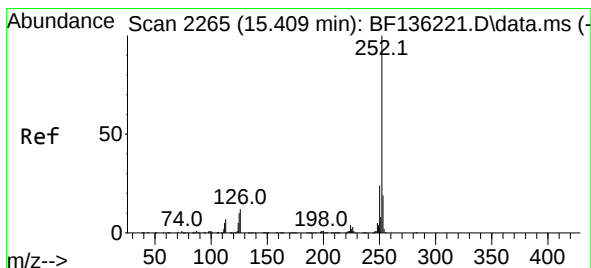
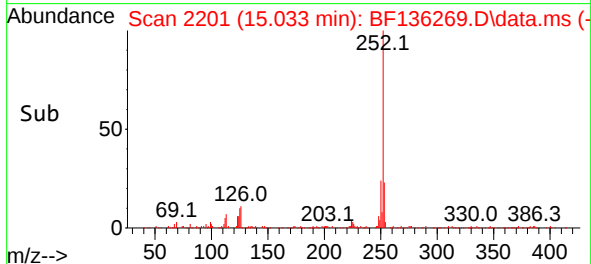
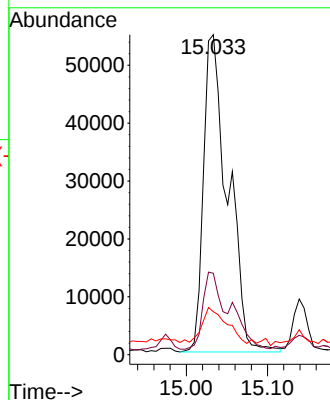
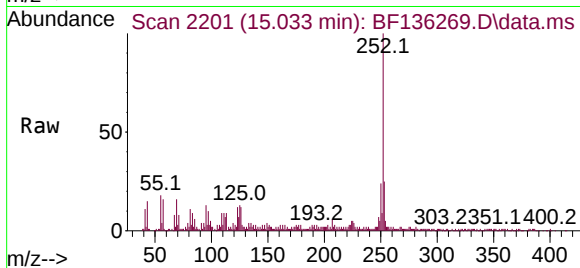
Tgt Ion:252 Resp: 114427

Ion Ratio Lower Upper

252 100

253 25.5 15.6 23.4#

125 13.5 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 5.475 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.005 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

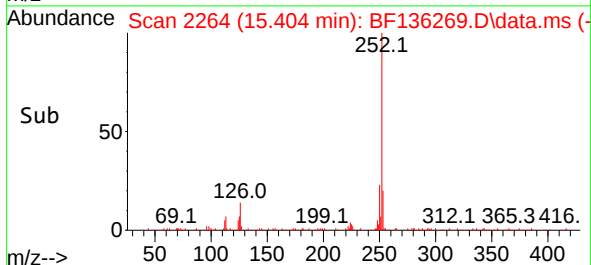
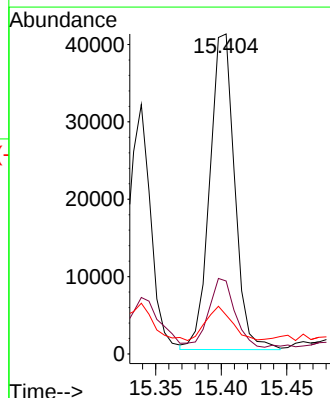
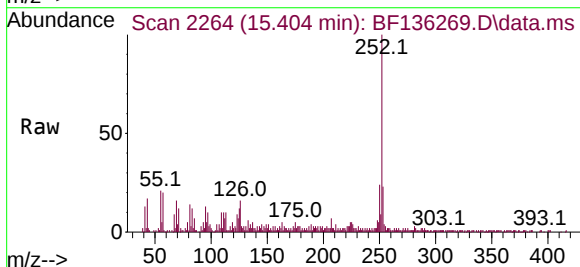
Tgt Ion:252 Resp: 53895

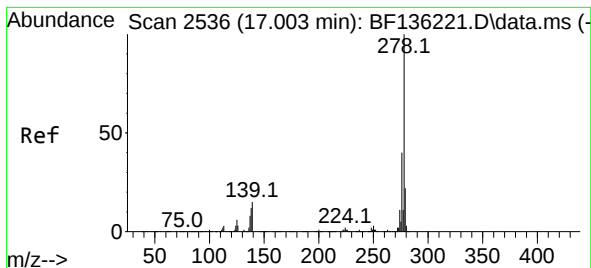
Ion Ratio Lower Upper

252 100

253 22.8 15.5 23.3

125 12.1 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 3.453 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-11202023

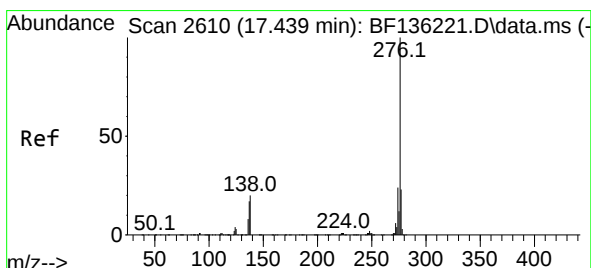
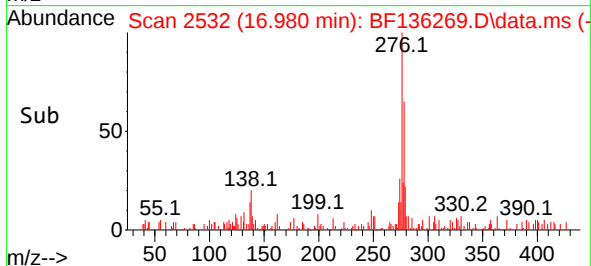
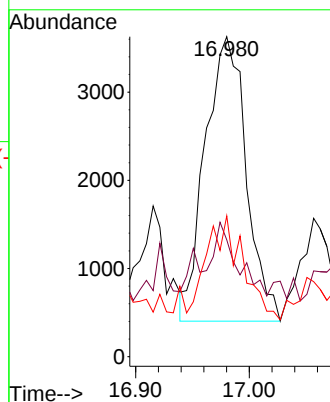
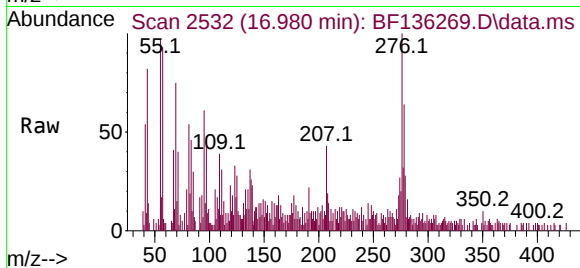
Tgt Ion:278 Resp: 8072

Ion Ratio Lower Upper

278 100

139 36.5 11.7 17.5#

279 44.0 17.8 26.8#



#92

Benzo(g,h,i)perylene

Concen: 4.584 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.018 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Tgt Ion:276 Resp: 28873

Ion Ratio Lower Upper

276 100

277 23.2 18.6 27.8

138 19.3 15.8 23.8

