

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133060.D
 Acq On : 26 Apr 2023 12:08
 Operator : CG\JU
 Sample : 02427-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230349-COMP-27

Quant Time: Apr 27 01:53:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

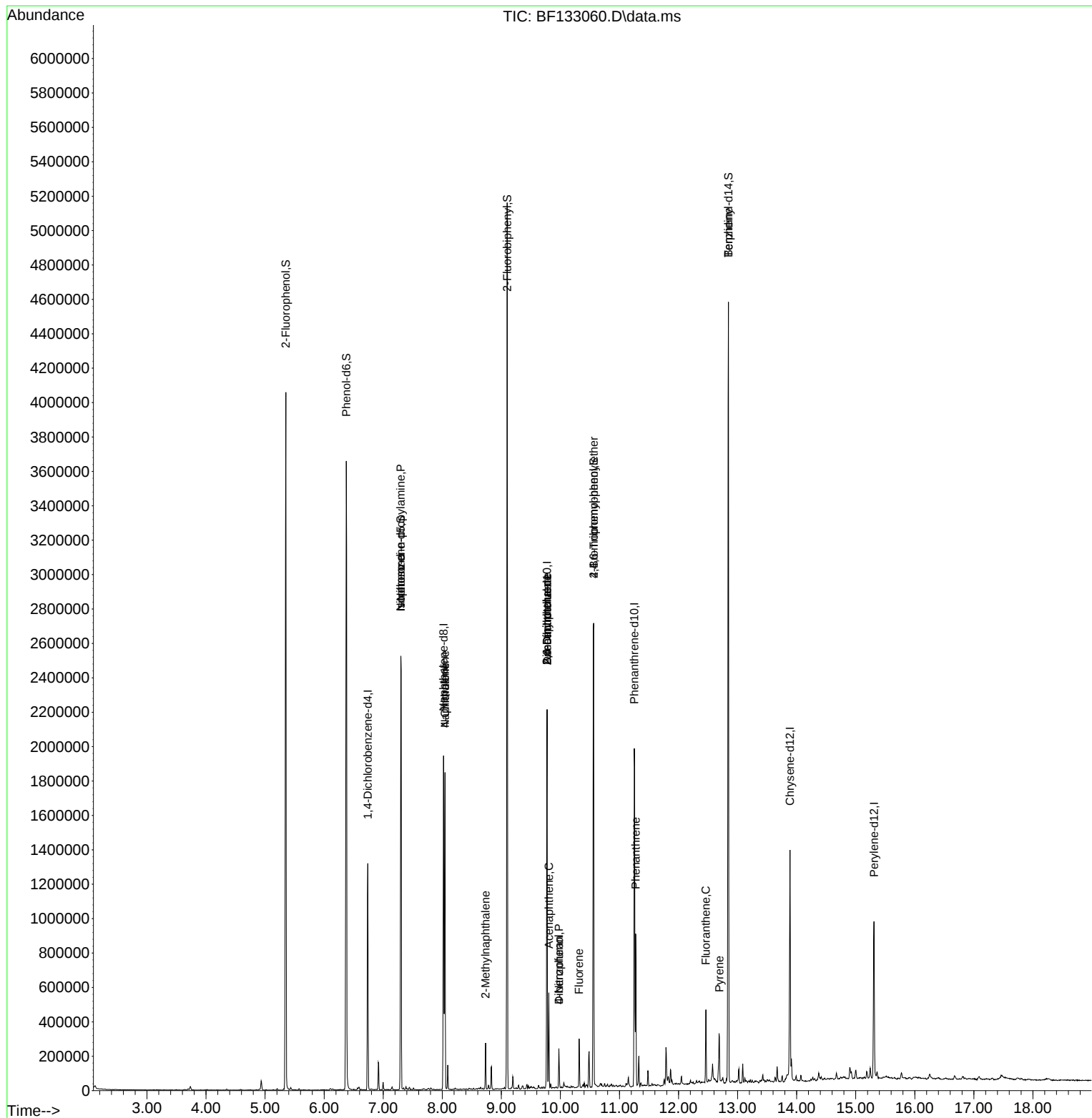
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	185793	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	753115	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	398293	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	733203	20.000	ng	-0.01
76) Chrysene-d12	13.886	240	375638	20.000	ng	-0.01
86) Perylene-d12	15.310	264	370489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1143107	92.942	ng	0.00
7) Phenol-d6	6.375	99	1427297	93.496	ng	-0.01
23) Nitrobenzene-d5	7.298	82	829034	59.418	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	355885	88.847	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1417263	59.531	ng	-0.01
79) Terphenyl-d14	12.845	244	1573363	72.238	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	661	Below Cal	#	49
19) n-Nitroso-di-n-propyla...	7.298	70	109215	11.492	ng	# 79
25) Isophorone	7.298	82	826891	31.214	ng	# 62
31) Naphthalene	8.045	128	726346	19.290	ng	# 100
33) 4-Chloroaniline	8.045	127	95830	6.299	ng	# 33
37) 2-Methylnaphthalene	8.734	142	61575	2.392	ng	# 98
50) Dimethylphthalate	9.775	163	83225	2.997	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	52036	8.325	ng	# 25
52) Acenaphthene	9.804	154	102123	4.128	ng	# 98
55) Dibenzofuran	9.975	168	71837	2.129	ng	# 99
56) 4-Nitrophenol	9.975	139	26560	4.614	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	52036	6.528	ng	# 23
58) Fluorene	10.316	166	69237	2.800	ng	# 96
67) 4-Bromophenyl-phenylether	10.563	248	22352	2.811	ng	# 1
71) Phenanthrene	11.275	178	299412	7.598	ng	# 100
75) Fluoranthene	12.463	202	148279	3.749	ng	# 97
77) Benzidine	12.845	184	18025	2.838	ng	# 91
78) Pyrene	12.692	202	110601	3.435	ng	# 99

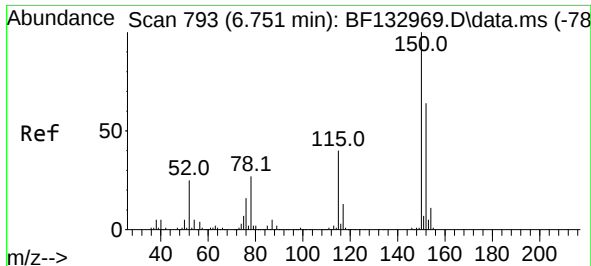
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 27 01:53:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 18:24:07 2023
Response via : Initial Calibration

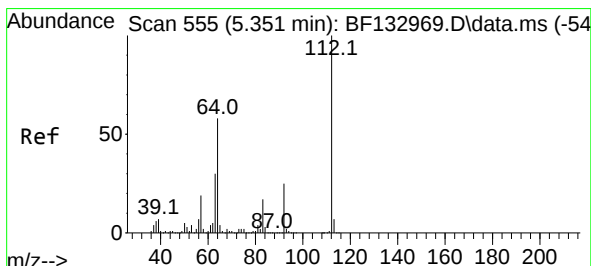
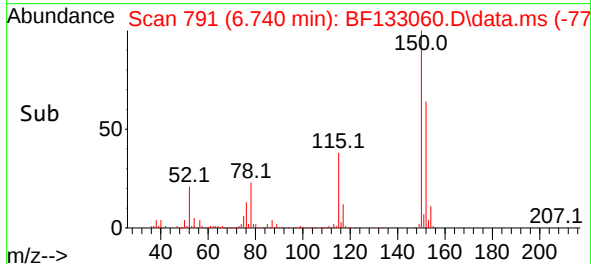
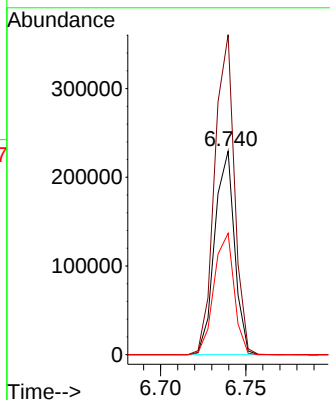
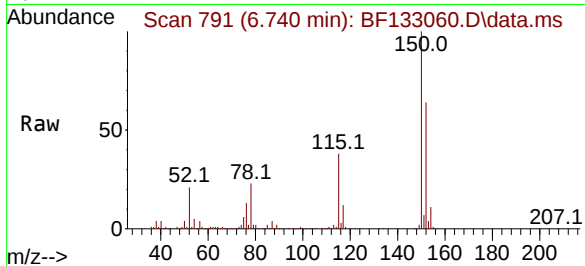




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

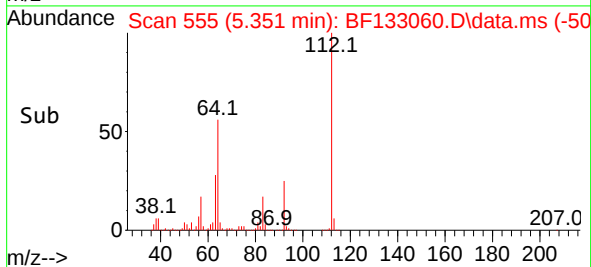
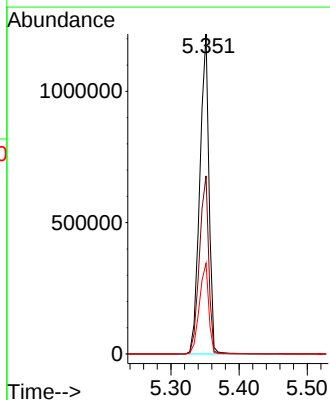
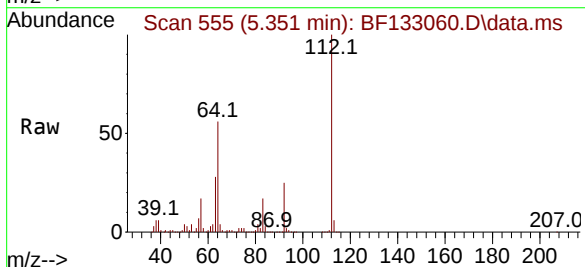
Instrument :
BNA_F
ClientSampleId :
20230349-COMP-27

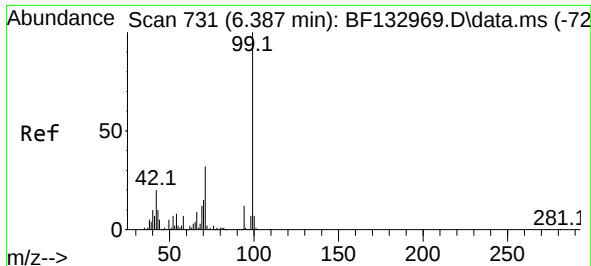
Tgt Ion:152 Resp: 185793
Ion Ratio Lower Upper
152 100
150 157.2 124.8 187.2
115 59.6 49.9 74.9



#5
2-Fluorophenol
Concen: 92.942 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion:112 Resp: 1143107
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 28.3 23.8 35.8

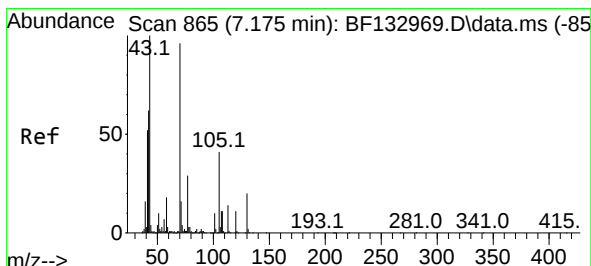
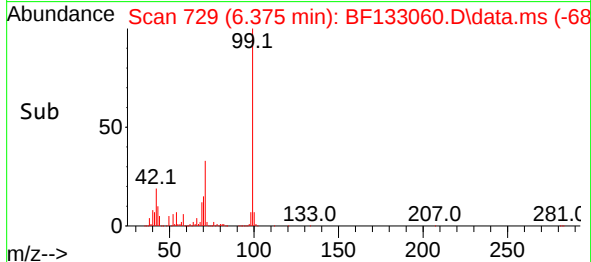
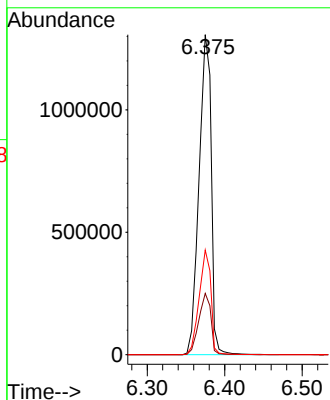
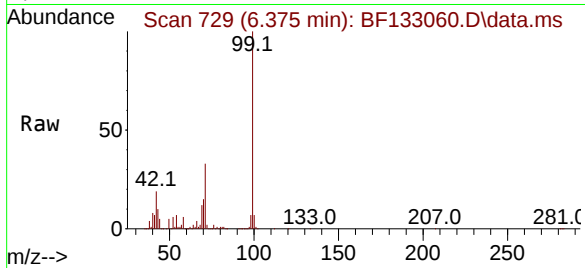




#7
Phenol-d6
Concen: 93.496 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

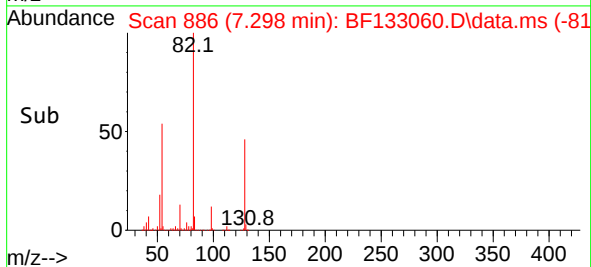
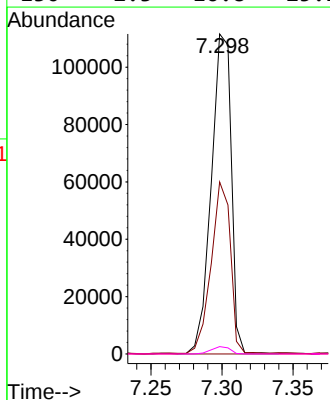
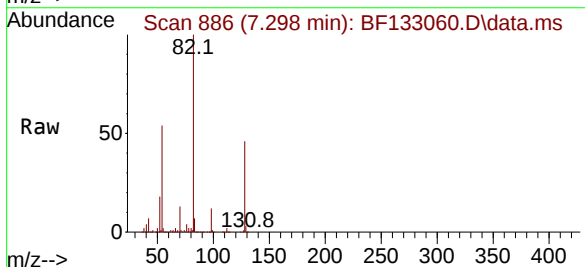
Instrument :
BNA_F
ClientSampleId :
20230349-COMP-27

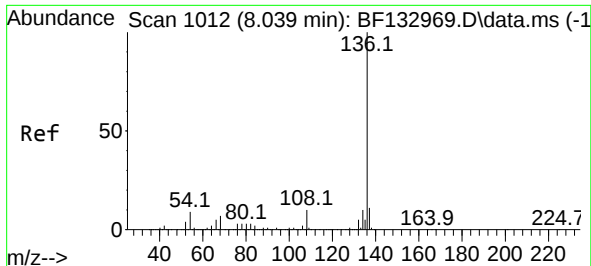
Tgt Ion: 99 Resp: 1427297
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 32.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.492 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.135 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion: 70 Resp: 109215
Ion Ratio Lower Upper
70 100
42 53.7 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

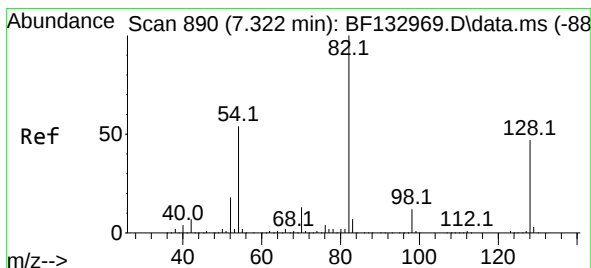
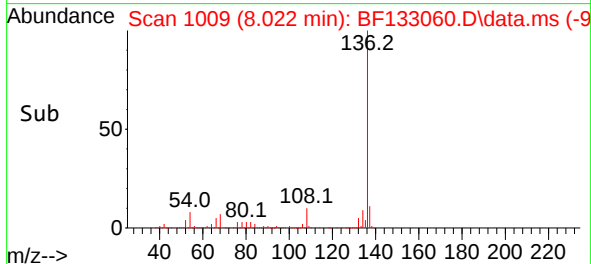
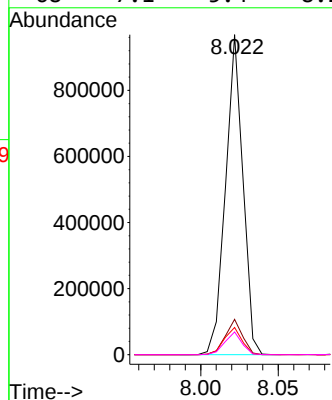
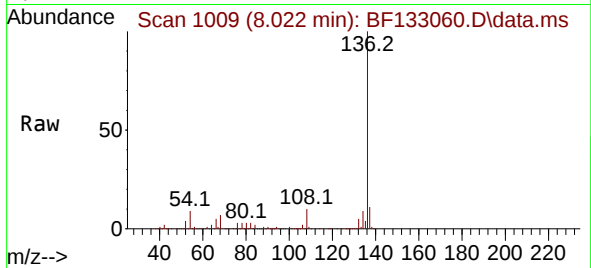




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

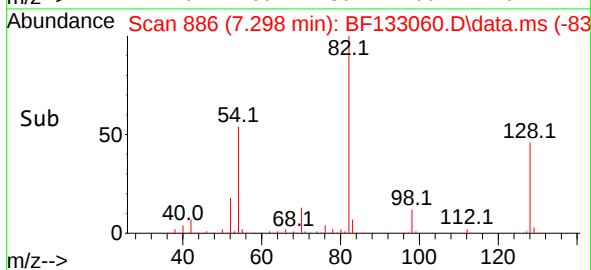
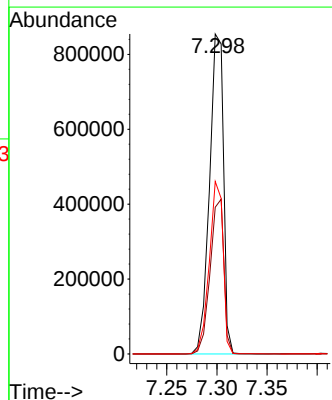
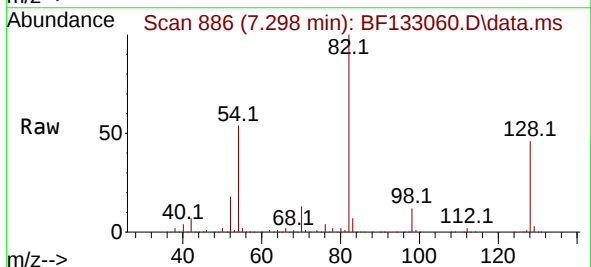
Instrument :
BNA_F
ClientSampleId :
20230349-COMP-27

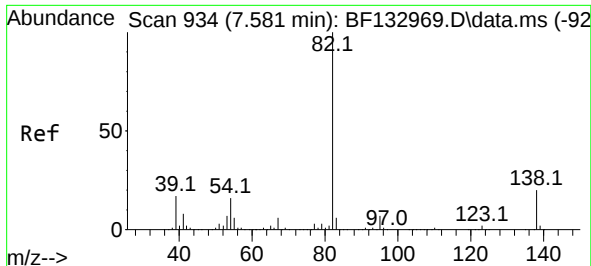
Tgt Ion	136	Resp: Lower	753115 Upper
136	100		
137	11.1	8.6	13.0
54	8.5	7.0	10.4
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 59.418 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion: 82	Resp: 829034
Ion Ratio	Lower Upper
82 100	
128 45.9	37.7 56.5
54 53.9	43.0 64.4

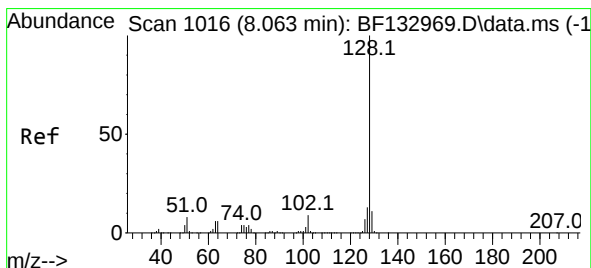
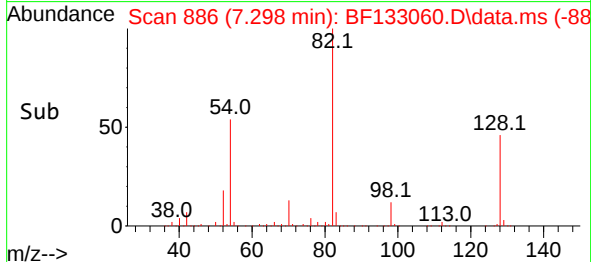
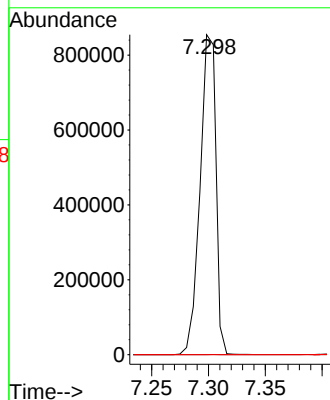
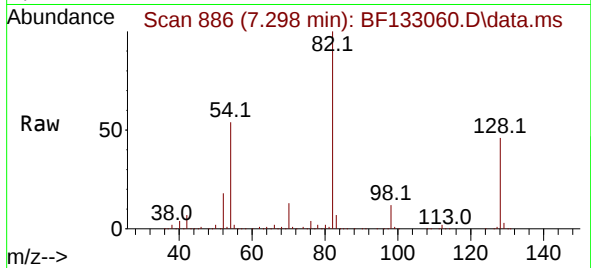




#25
Isophorone
Concen: 31.214 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

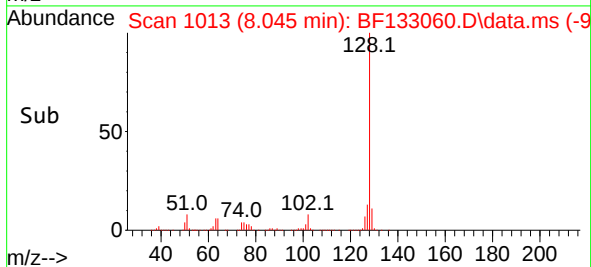
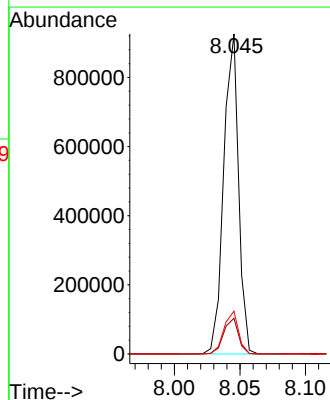
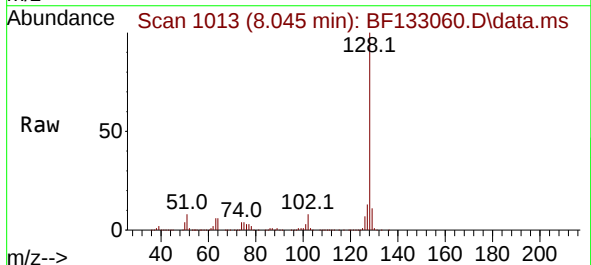
Instrument :
BNA_F
ClientSampleId :
20230349-COMP-27

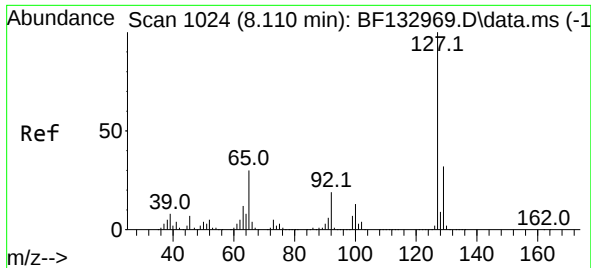
Tgt Ion: 82 Resp: 826891
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 19.290 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion: 128 Resp: 726346
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.3 10.7 16.1

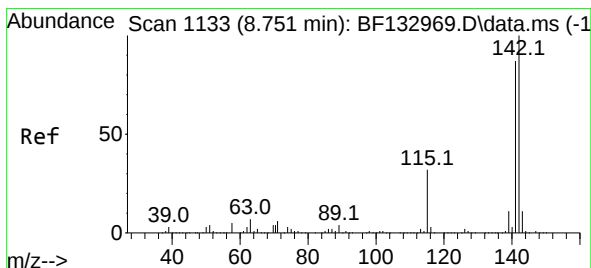
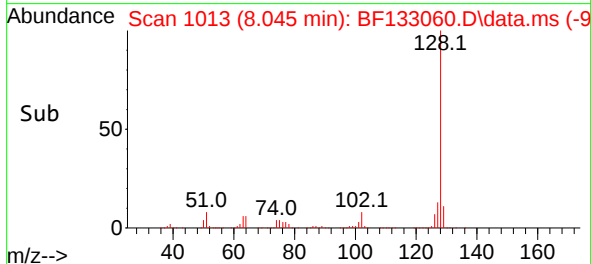
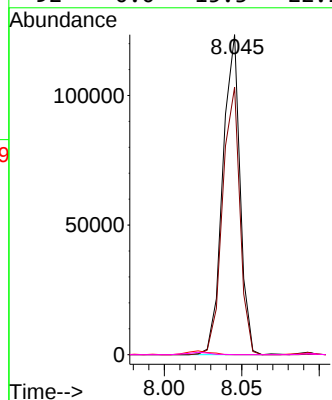
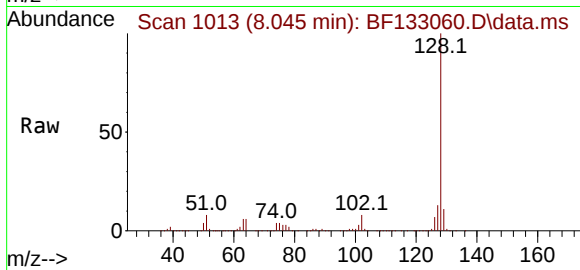




#33
4-Chloroaniline
Concen: 6.299 ng
RT: 8.045 min Scan# 1130
Delta R.T. -0.059 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

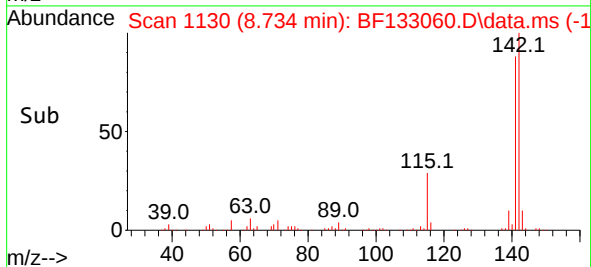
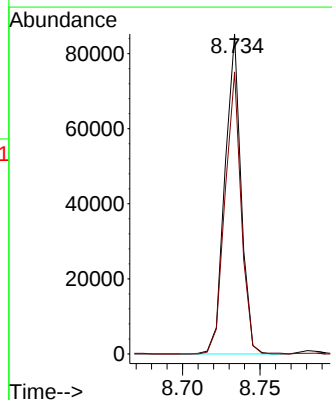
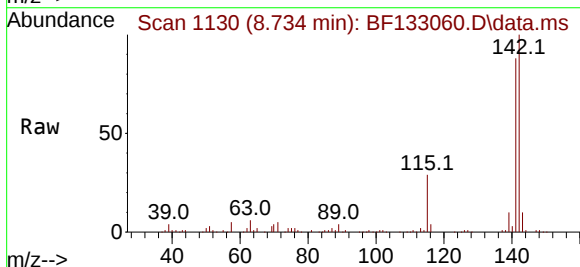
Instrument :
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ClientSampleId :
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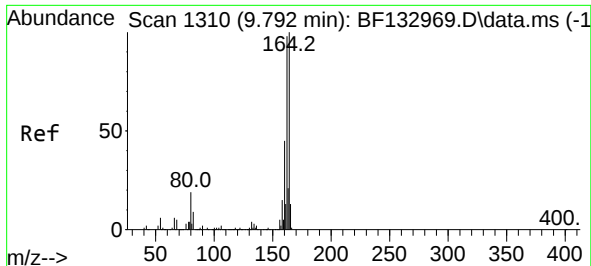
Tgt Ion:	127	Resp:	95830
Ion	Ratio	Lower	Upper
127	100		
129	83.6	25.8	38.8#
65	0.0	23.6	35.4#
92	0.0	15.3	22.9#



#37
2-Methylnaphthalene
Concen: 2.392 ng
RT: 8.734 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion:	142	Resp:	61575
Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.4	104.0

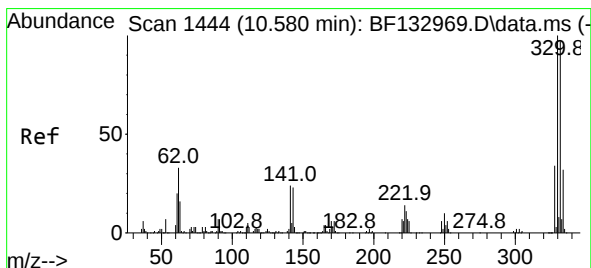
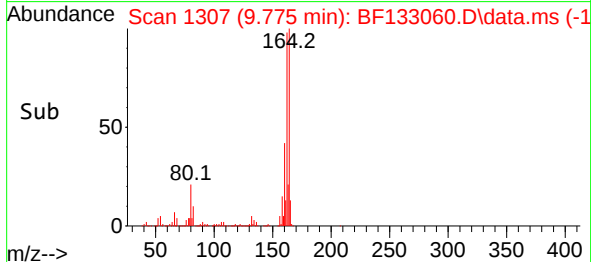
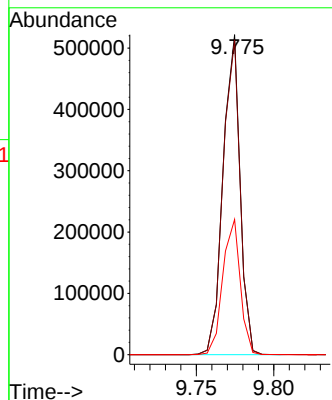
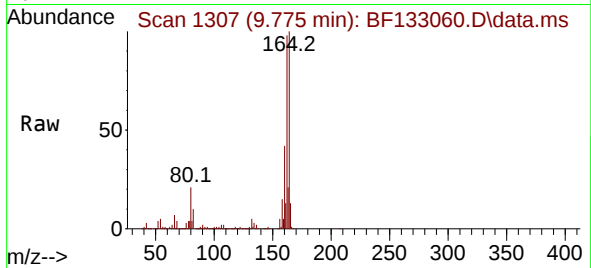




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

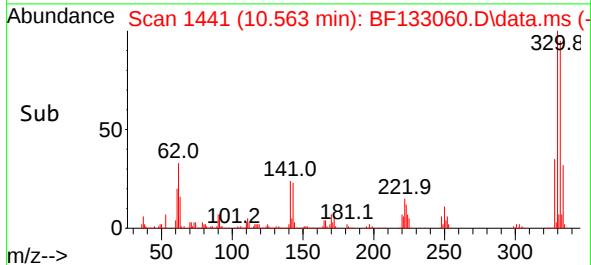
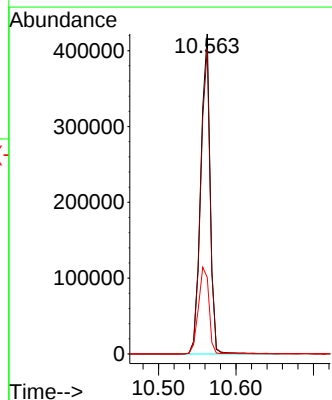
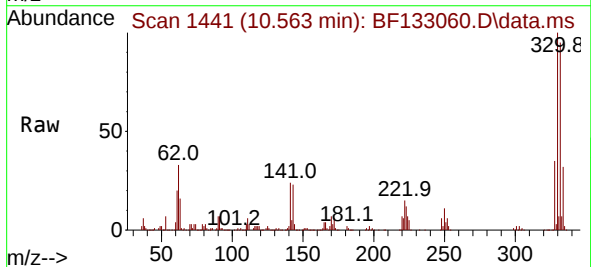
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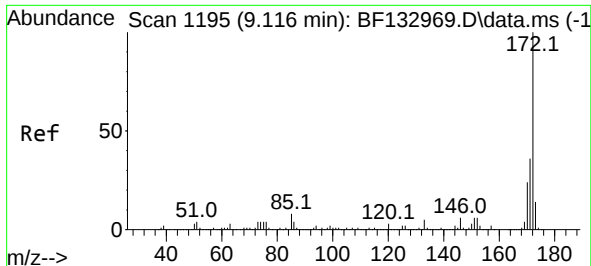
Tgt Ion:164 Resp: 398293
Ion Ratio Lower Upper
164 100
162 98.4 78.7 118.1
160 42.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 88.847 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion:330 Resp: 355885
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 30.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 59.531 ng

RT: 9.098 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27

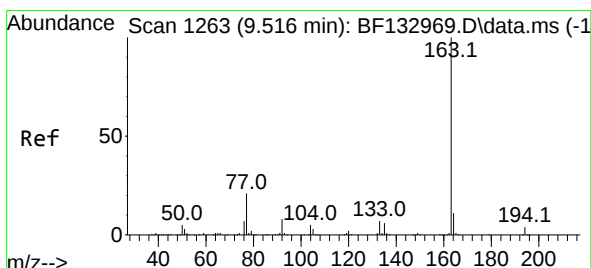
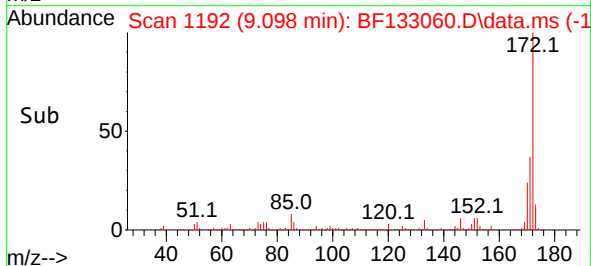
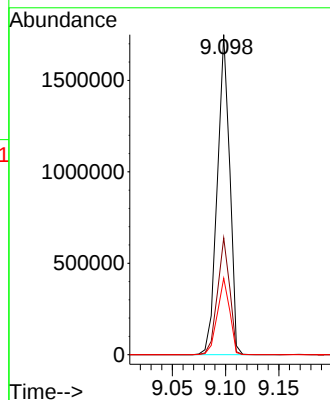
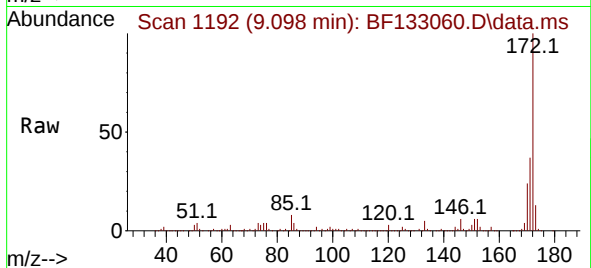
Tgt Ion:172 Resp: 1417263

Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 23.9 19.4 29.2



#50

Dimethylphthalate

Concen: 2.997 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.265 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

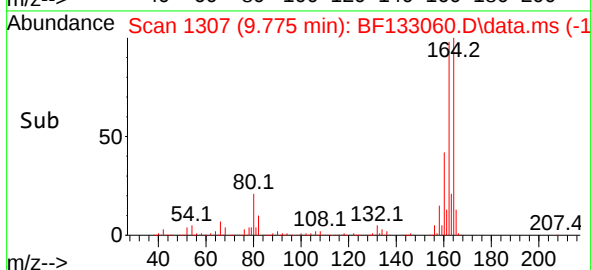
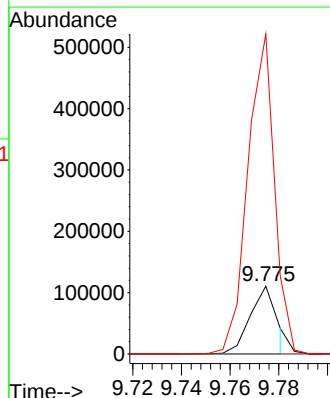
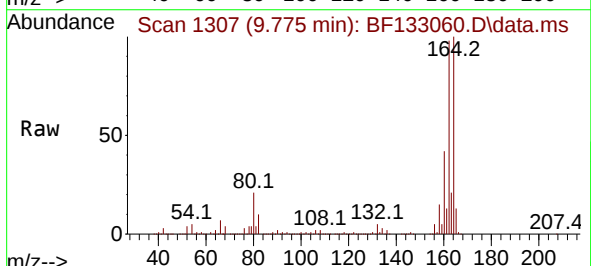
Tgt Ion:163 Resp: 83225

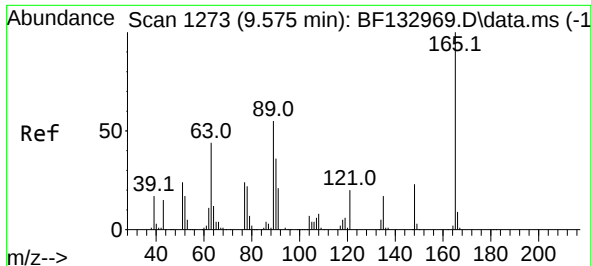
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 471.1 8.5 12.7#

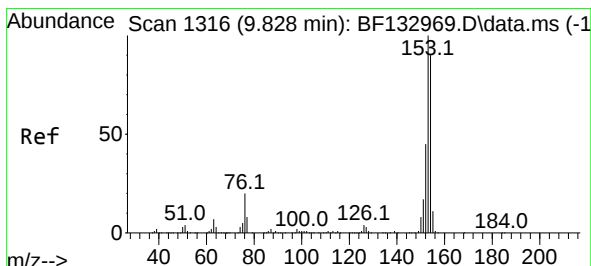
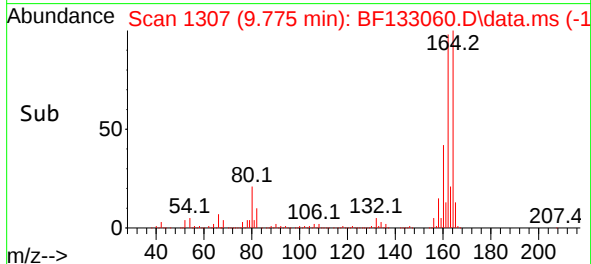
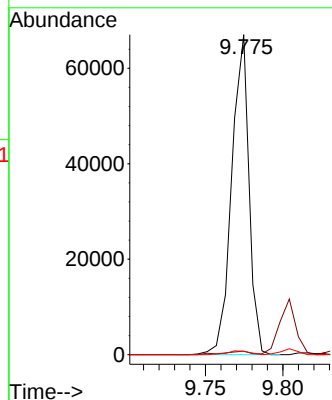
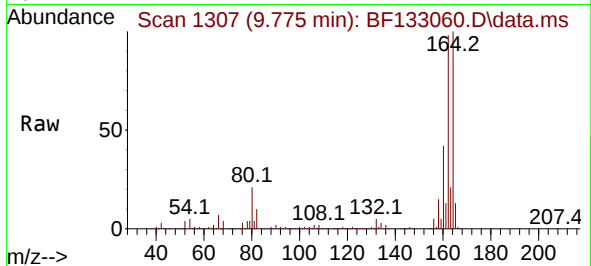




#51
2,6-Dinitrotoluene
Concen: 8.325 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

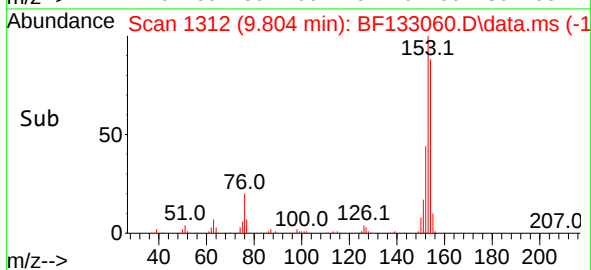
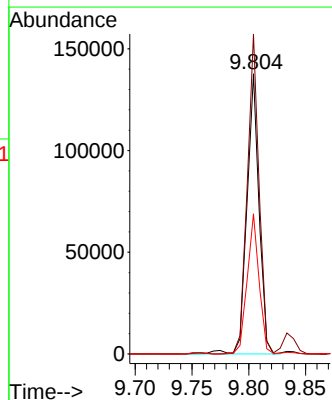
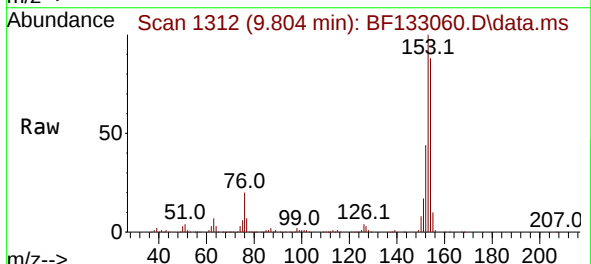
Instrument :
BNA_F
ClientSampleId :
20230349-COMP-27

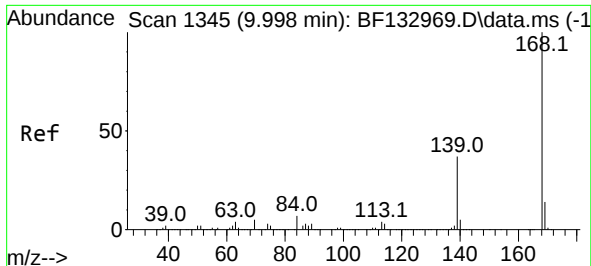
Tgt Ion:165 Resp: 52036
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.1 44.0 66.0#



#52
Acenaphthene
Concen: 4.128 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF133060.D
Acq: 26 Apr 2023 12:08

Tgt Ion:154 Resp: 102123
Ion Ratio Lower Upper
154 100
153 114.2 89.0 133.6
152 50.0 40.4 60.6





#55

Dibenzenofuran

Concen: 2.129 ng

RT: 9.975 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27

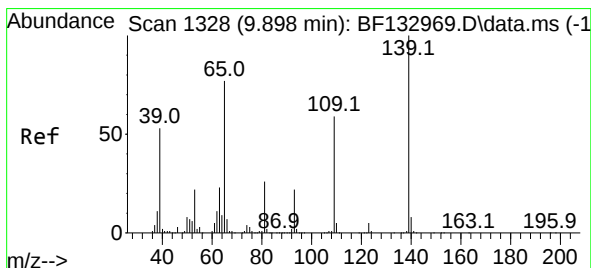
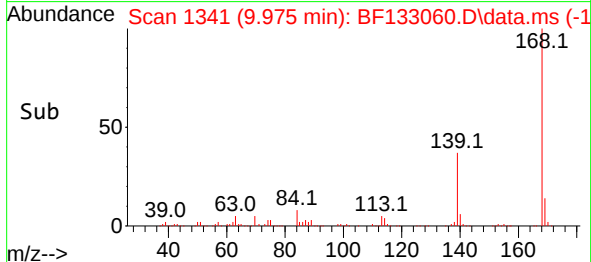
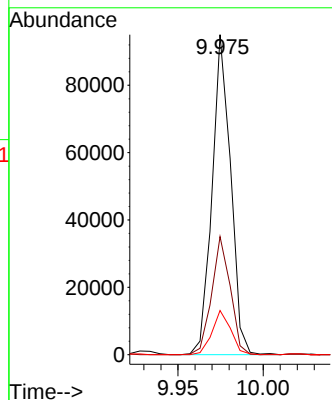
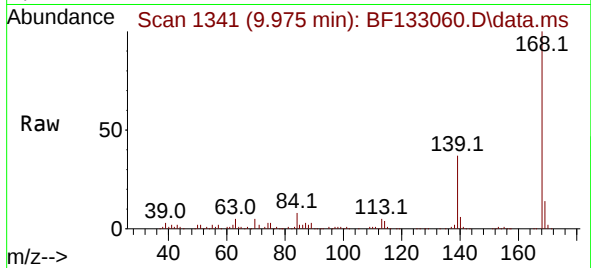
Tgt Ion:168 Resp: 71837

Ion Ratio Lower Upper

168 100

139 36.9 29.8 44.8

169 13.8 10.8 16.2



#56

4-Nitrophenol

Concen: 4.614 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.083 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

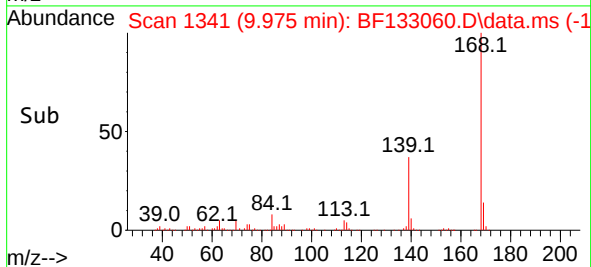
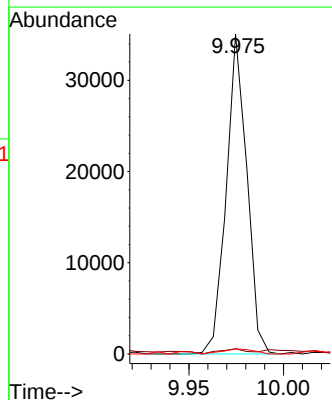
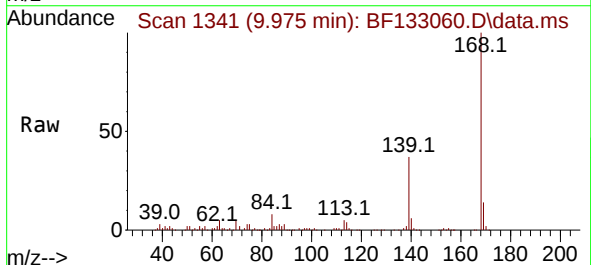
Tgt Ion:139 Resp: 26560

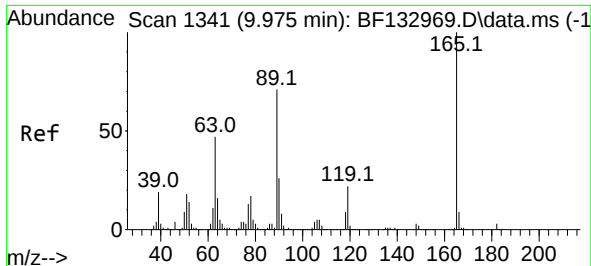
Ion Ratio Lower Upper

139 100

109 1.6 39.4 79.4#

65 1.6 57.5 97.5#





#57

2,4-Dinitrotoluene

Concen: 6.528 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.194 min

Lab File: BF133060.D

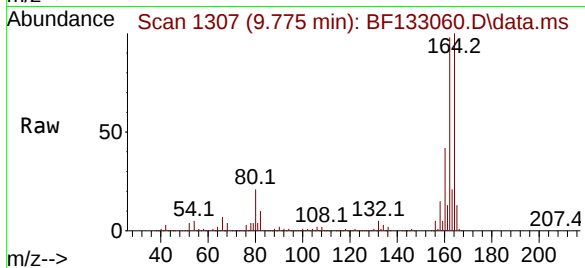
Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27



Tgt Ion:165 Resp: 52036

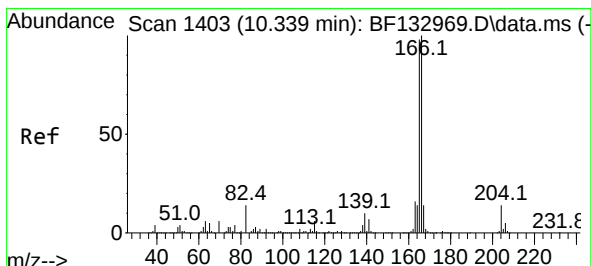
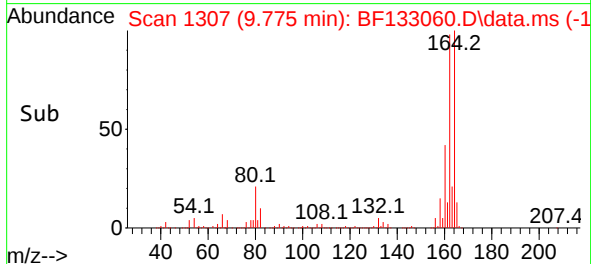
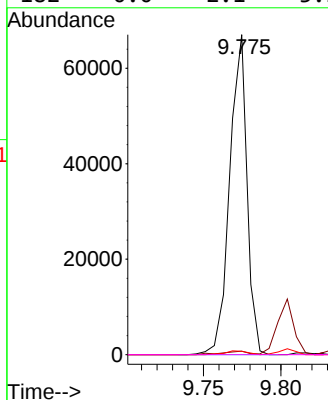
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 2.800 ng

RT: 10.316 min Scan# 1399

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

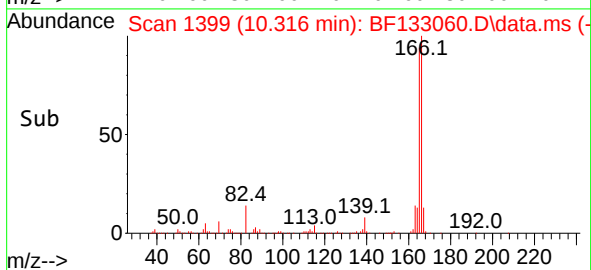
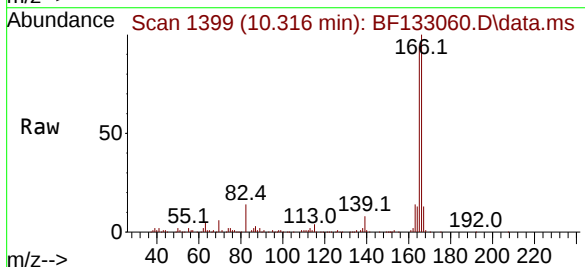
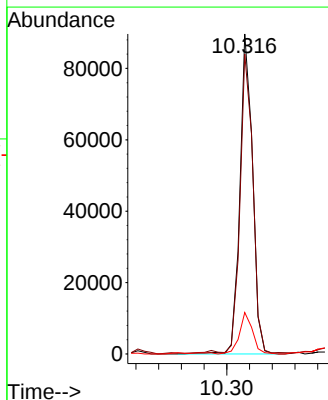
Tgt Ion:166 Resp: 69237

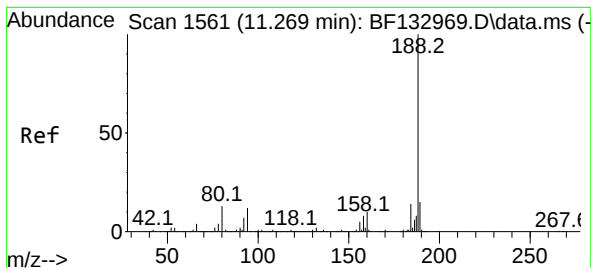
Ion Ratio Lower Upper

166 100

165 93.7 78.6 117.8

167 13.0 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133060.D

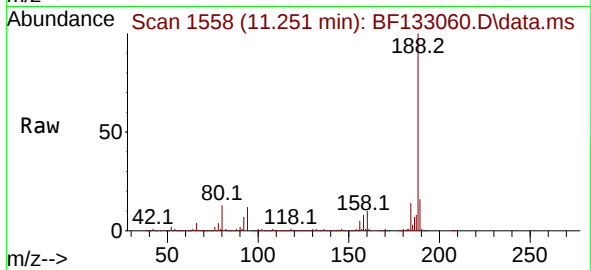
Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27



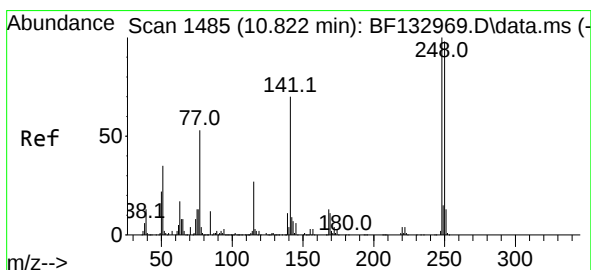
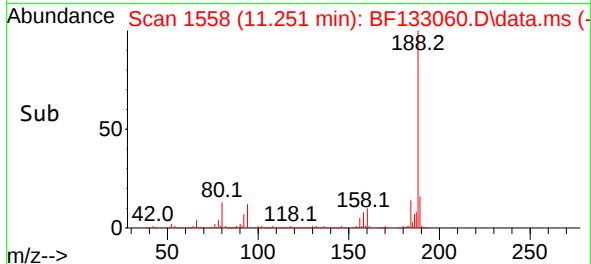
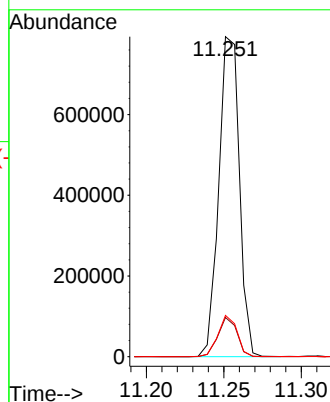
Tgt Ion:188 Resp: 733203

Ion Ratio Lower Upper

188 100

94 12.2 9.7 14.5

80 12.9 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.811 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.247 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

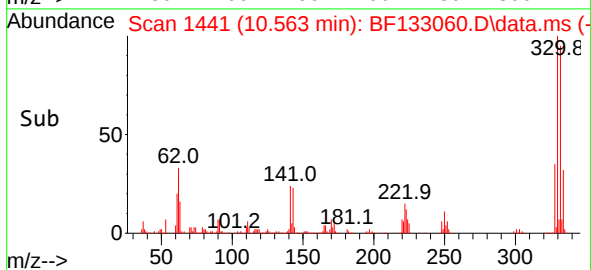
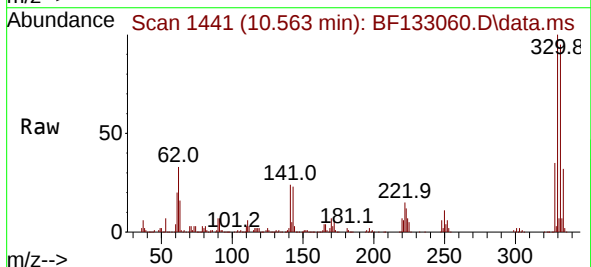
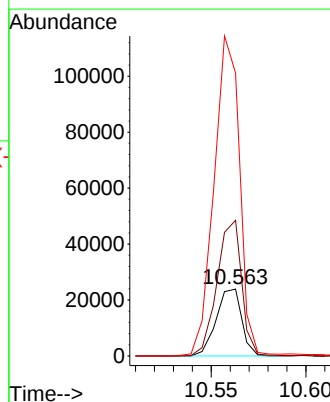
Tgt Ion:248 Resp: 22352

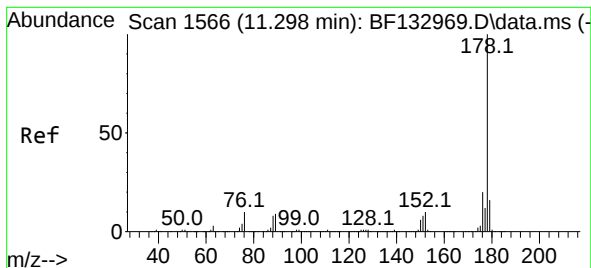
Ion Ratio Lower Upper

248 100

250 202.9 78.7 118.1#

141 423.2 56.3 84.5#





#71

Phenanthrene

Concen: 7.598 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27

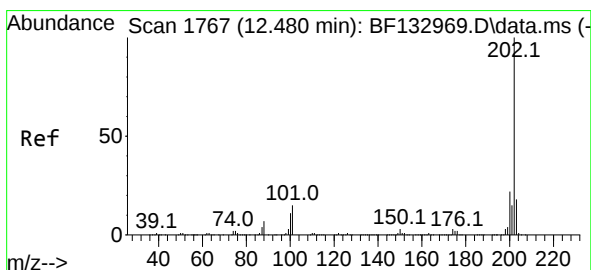
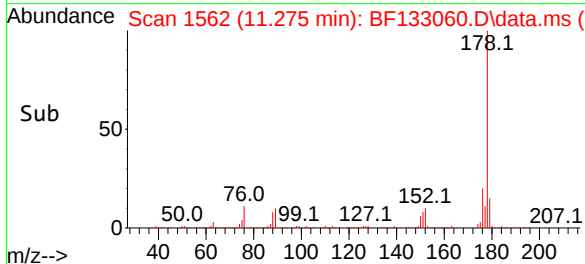
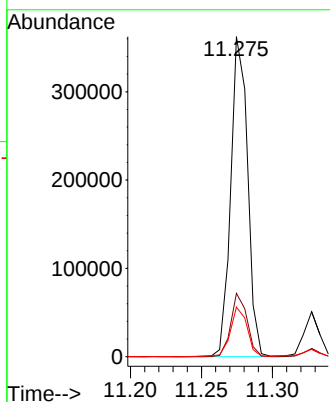
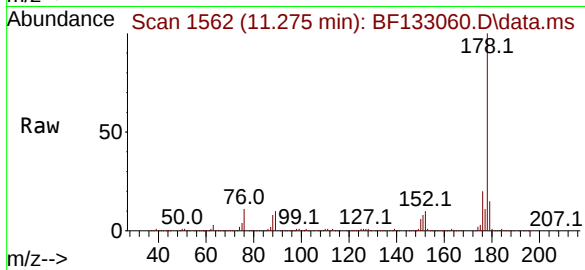
Tgt Ion:178 Resp: 299412

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.5 12.5 18.7



#75

Fluoranthene

Concen: 3.749 ng

RT: 12.463 min Scan# 1764

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

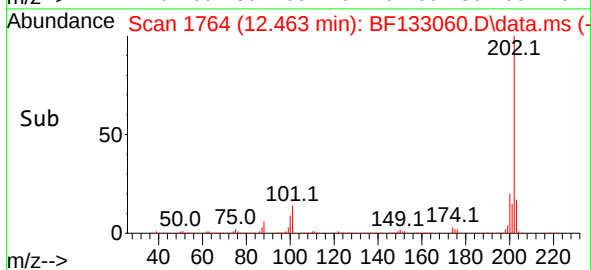
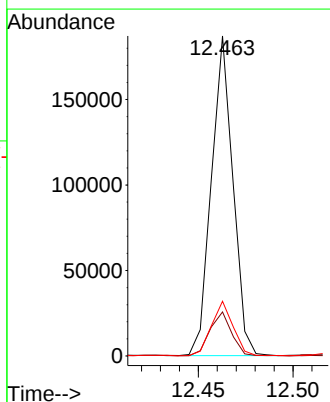
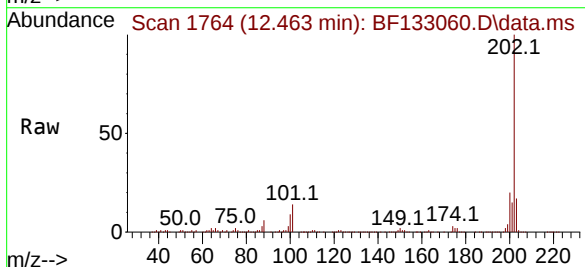
Tgt Ion:202 Resp: 148279

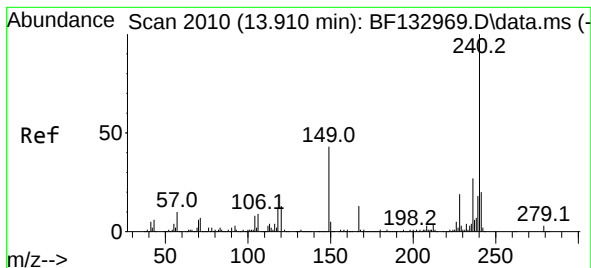
Ion Ratio Lower Upper

202 100

101 13.7 0.0 35.3

203 17.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27

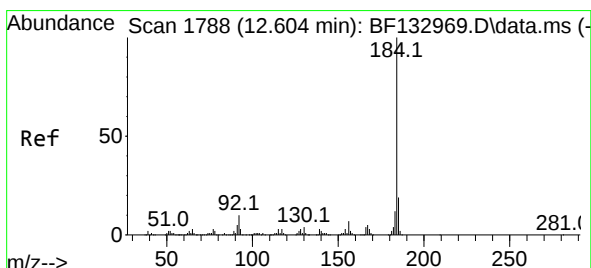
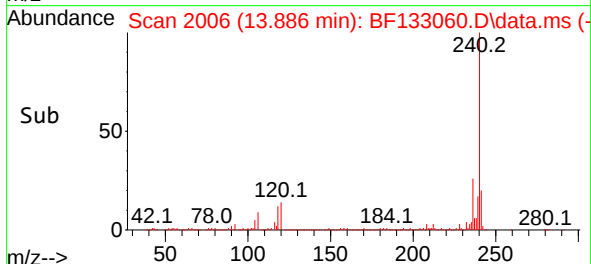
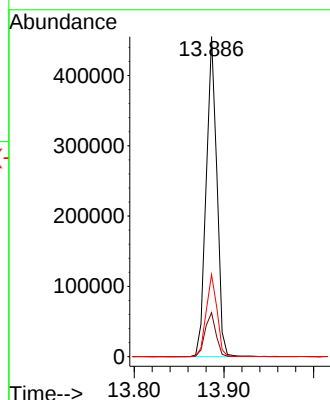
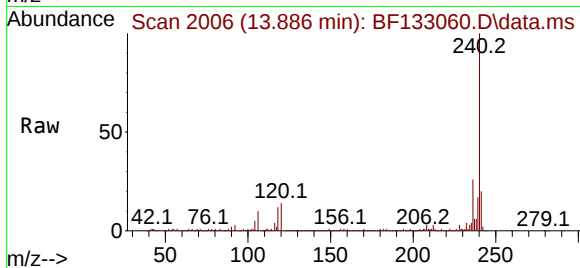
Tgt Ion:240 Resp: 375638

Ion Ratio Lower Upper

240 100

120 13.8 10.5 15.7

236 25.6 21.5 32.3



#77

Benzidine

Concen: 2.838 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.253 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

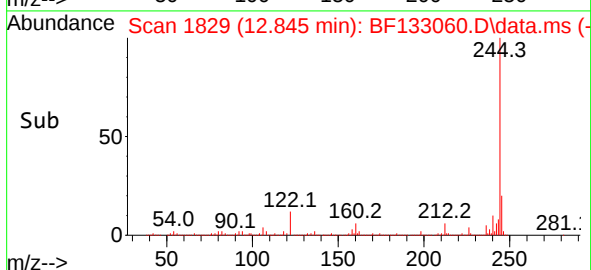
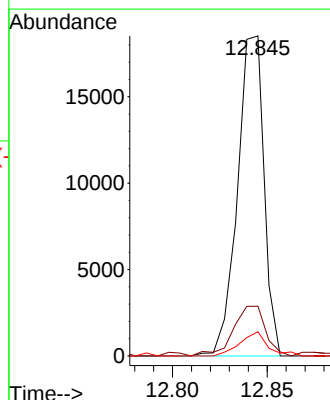
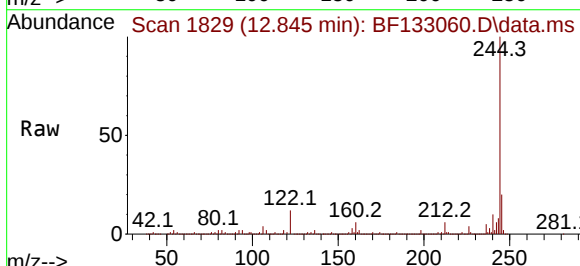
Tgt Ion:184 Resp: 18025

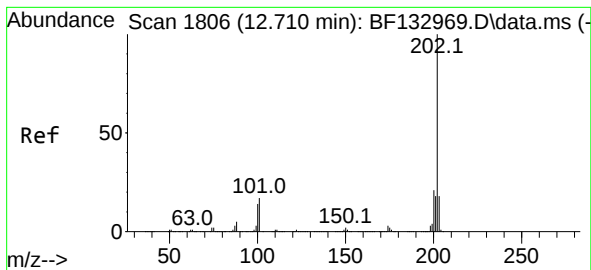
Ion Ratio Lower Upper

184 100

185 15.6 15.4 23.2

183 7.5 9.4 14.0#





#78

Pyrene

Concen: 3.435 ng

RT: 12.692 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

Instrument :

BNA_F

ClientSampleId :

20230349-COMP-27

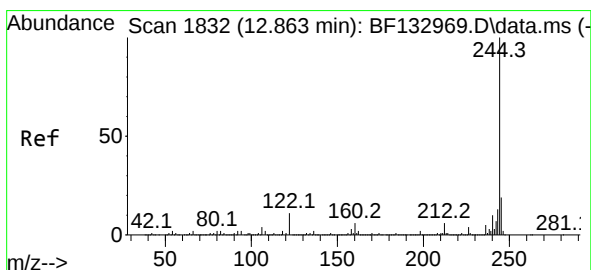
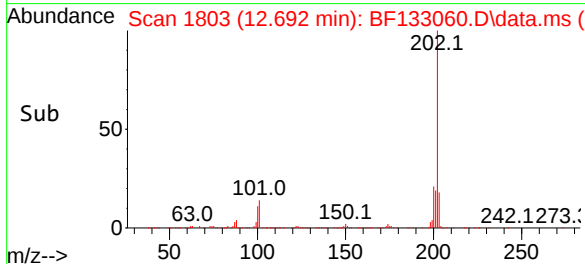
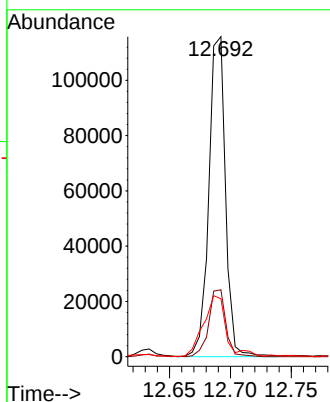
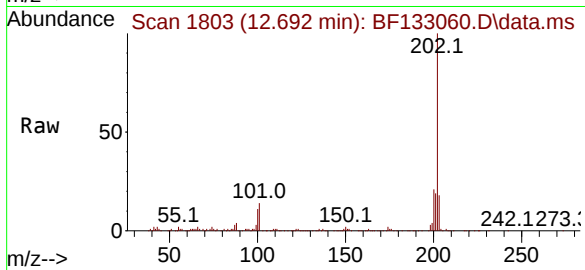
Tgt Ion:202 Resp: 110601

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 72.238 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF133060.D

Acq: 26 Apr 2023 12:08

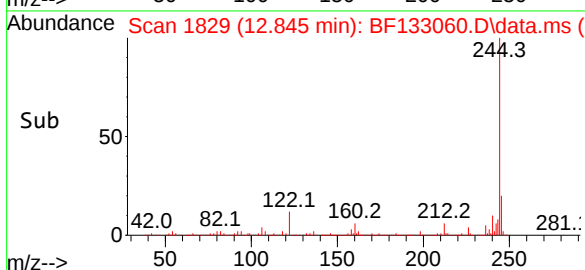
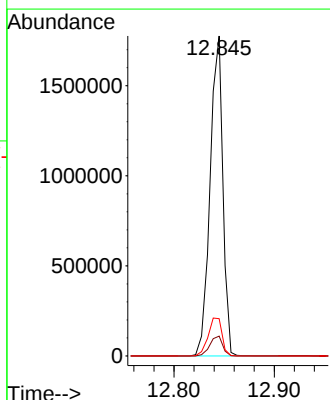
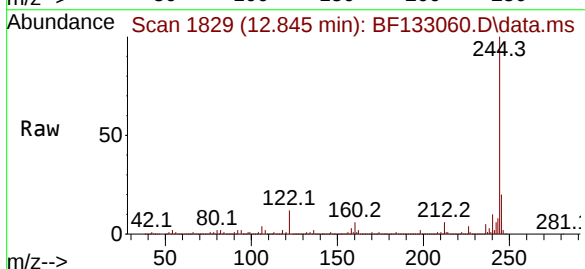
Tgt Ion:244 Resp: 1573363

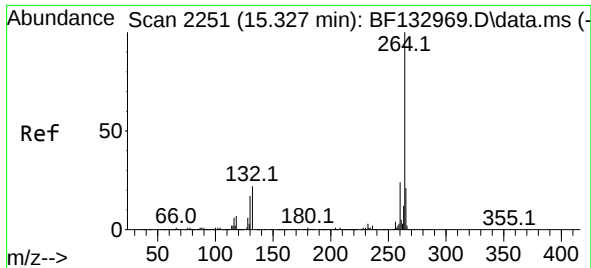
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

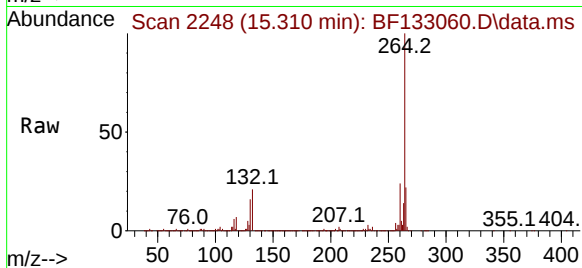
122 11.6 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.310 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133060.D
 Acq: 26 Apr 2023 12:08

Instrument :
 BNA_F
 ClientSampleId :
 20230349-COMP-27



Tgt Ion:264 Resp: 370489
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 21.6 17.0 25.4

