

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137672.D
 Acq On : 21 Mar 2024 20:55
 Operator : CG\JU
 Sample : P1816-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-032024

Quant Time: Mar 22 01:44:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

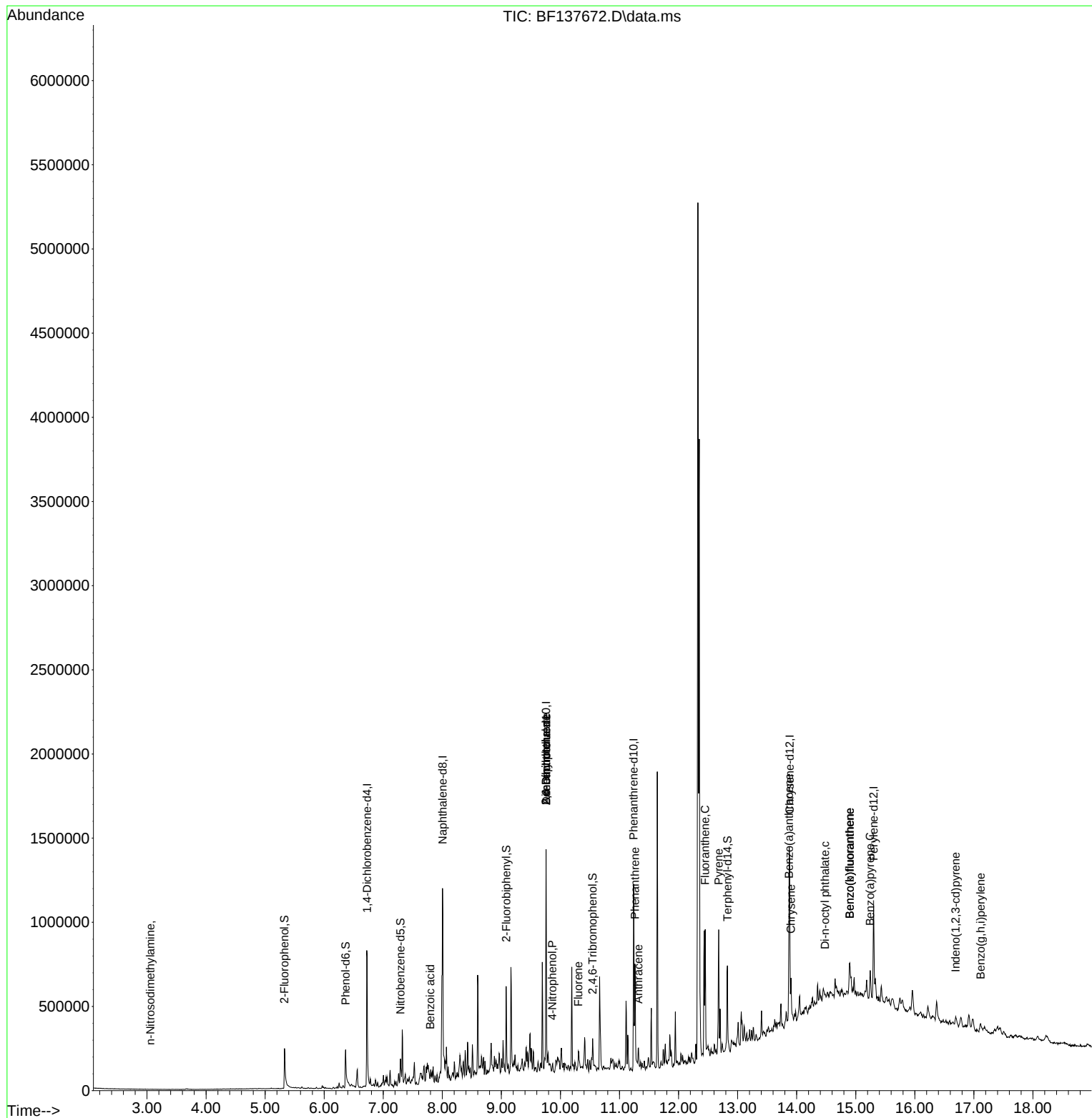
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	140599	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	505935	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	242241	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	405813	20.000	ng	0.00
76) Chrysene-d12	13.880	240	327248	20.000	ng	0.00
86) Perylene-d12	15.304	264	248280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	107720	11.604	ng	0.00
7) Phenol-d6	6.363	99	144617	10.792	ng	0.00
23) Nitrobenzene-d5	7.292	82	73766	6.775	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	23982	11.273	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	158066	10.214	ng	0.00
79) Terphenyl-d14	12.827	244	179254	7.532	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.057	42	174	3.841	ng	# 1
32) Benzoic acid	7.798	122	67	6.311	ng	# 1
50) Dimethylphthalate	9.757	163	37306	2.212	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	32355	9.173	ng	# 21
56) 4-Nitrophenol	9.863	139	941	4.861	ng	# 1
57) 2,4-Dinitrotoluene	9.757	165	32355	7.467	ng	# 22
58) Fluorene	10.304	166	33820	2.239	ng	95
71) Phenanthrene	11.263	178	228160	10.331	ng	99
72) Anthracene	11.322	178	59720	2.633	ng	98
75) Fluoranthene	12.451	202	294667	13.650	ng	97
78) Pyrene	12.680	202	287226	8.945	ng	99
81) Benzo(a)anthracene	13.868	228	123070	5.366	ng	94
83) Chrysene	13.904	228	107831	4.652	ng	97
85) Di-n-octyl phthalate	14.480	149	614	5.634	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.692	276	33818	2.070	ng	95
88) Benzo(b)fluoranthene	14.898	252	130216	8.866	ng	# 93
89) Benzo(k)fluoranthene	14.898	252	130216	8.255	ng	# 92
90) Benzo(a)pyrene	15.245	252	70048	4.840	ng	# 91
92) Benzo(g,h,i)perylene	17.115	276	35833	2.633	ng	93

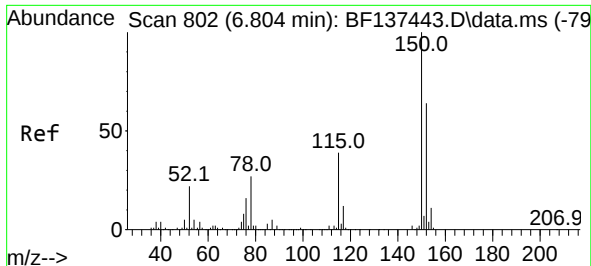
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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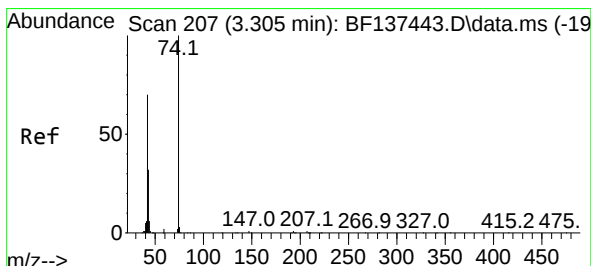
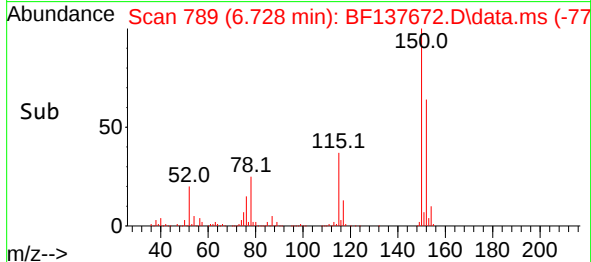
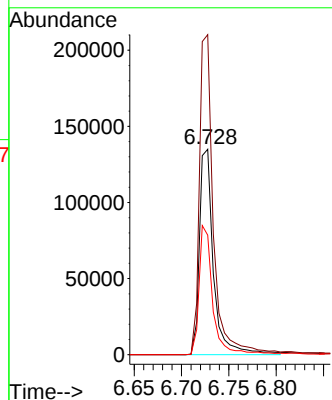
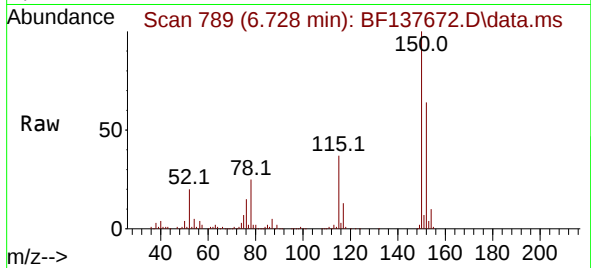




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

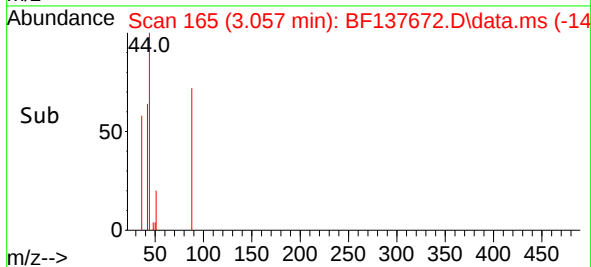
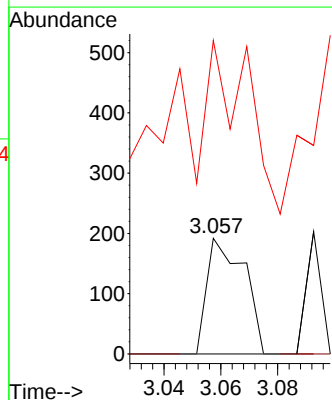
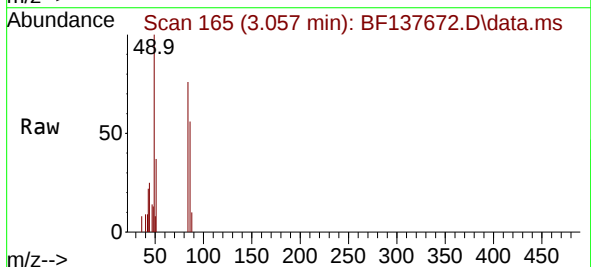
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

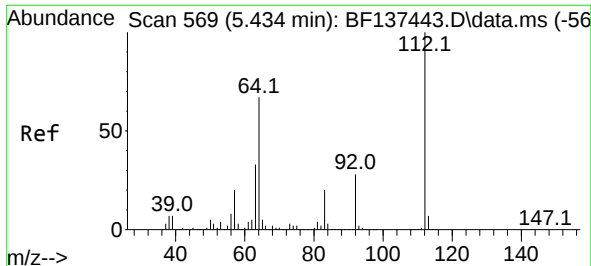
Tgt Ion:152 Resp: 140599
Ion Ratio Lower Upper
152 100
150 155.8 125.8 188.6
115 58.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.841 ng
RT: 3.057 min Scan# 165
Delta R.T. 0.018 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion: 42 Resp: 174
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 270.8 7.0 10.4#





#5
2-Fluorophenol
Concen: 11.604 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

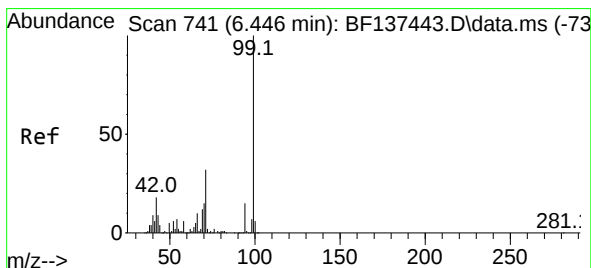
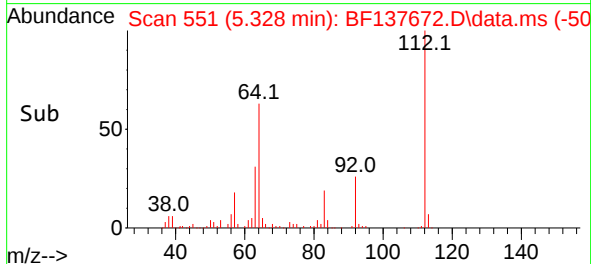
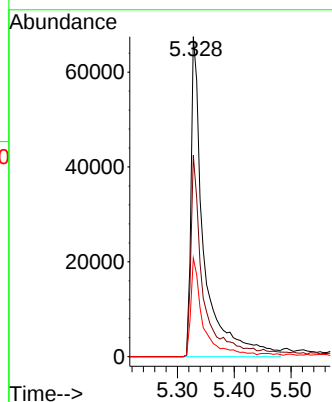
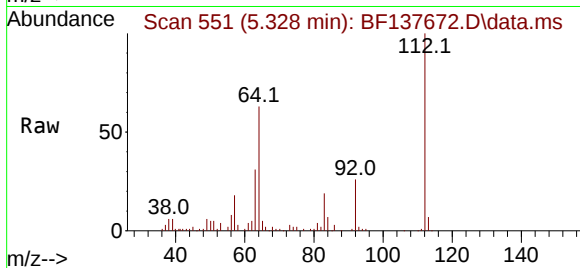
Instrument :

BNA_F

ClientSampleId :

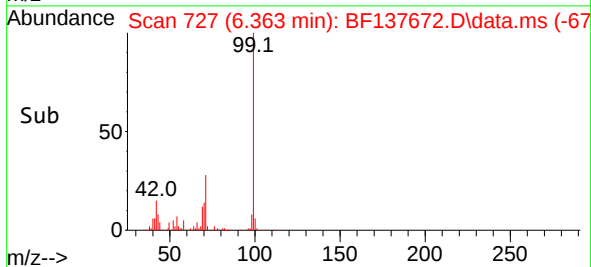
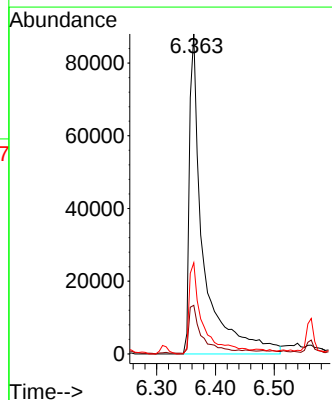
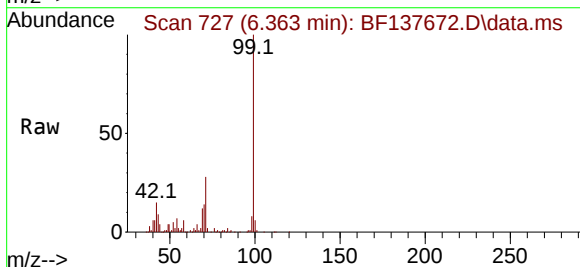
PL-01-032024

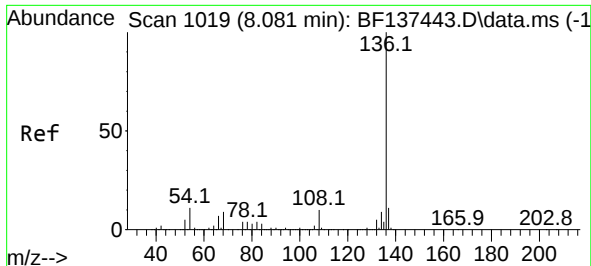
Tgt Ion:112 Resp: 107720
Ion Ratio Lower Upper
112 100
64 62.9 53.4 80.2
63 30.8 26.2 39.2



#7
Phenol-d6
Concen: 10.792 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion: 99 Resp: 144617
Ion Ratio Lower Upper
99 100
42 15.2 14.6 21.8
71 28.5 25.3 37.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

Tgt Ion:136 Resp: 505935

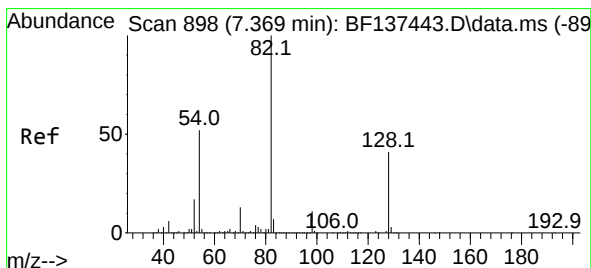
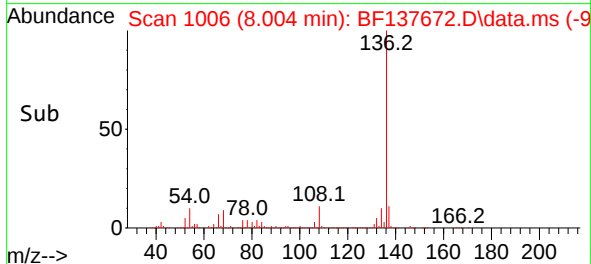
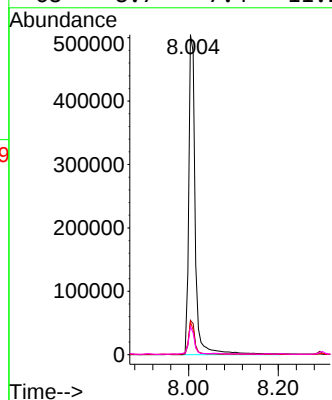
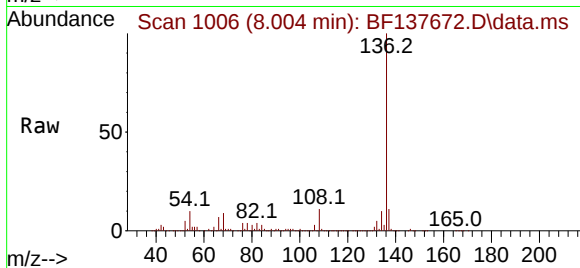
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 10.3 8.5 12.7

68 8.7 7.4 11.2



#23

Nitrobenzene-d5

Concen: 6.775 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

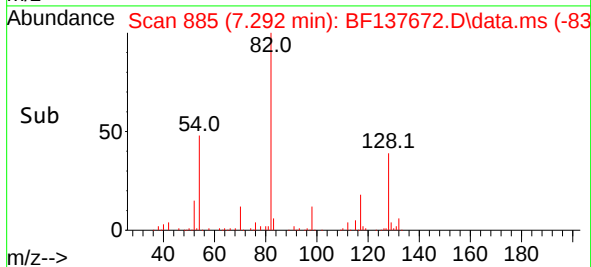
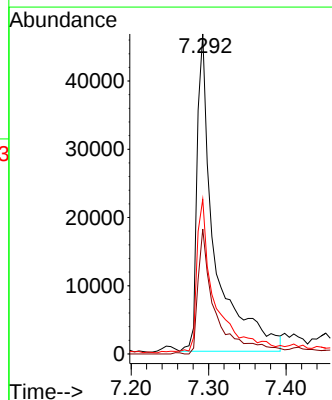
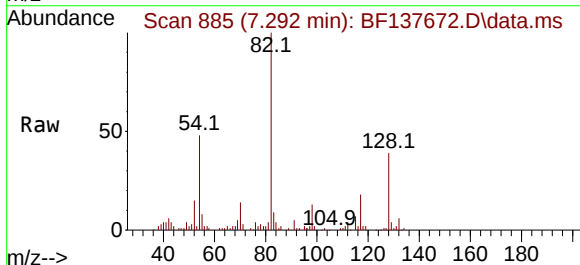
Tgt Ion: 82 Resp: 73766

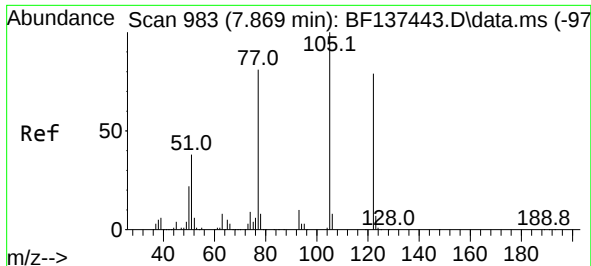
Ion Ratio Lower Upper

82 100

128 39.1 32.5 48.7

54 48.3 41.5 62.3

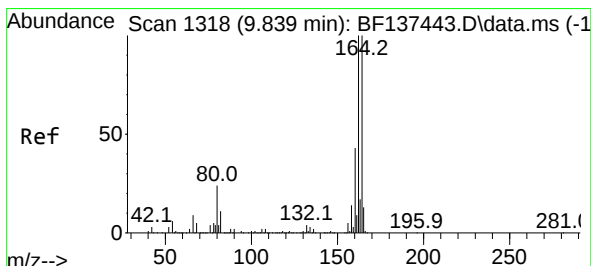
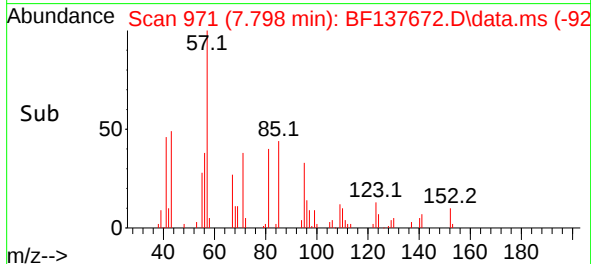
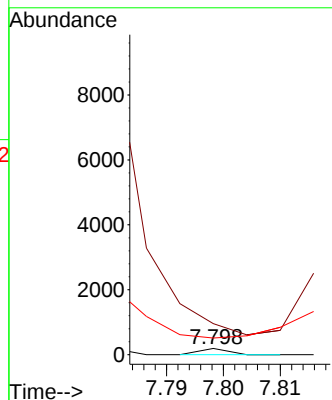
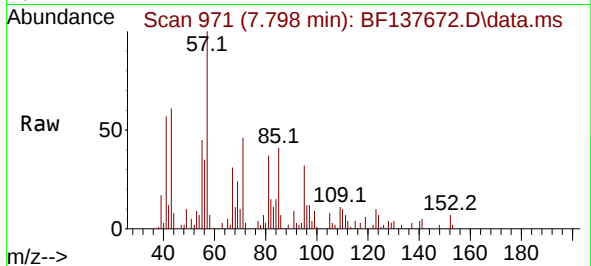




#32
Benzoic acid
Concen: 6.311 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

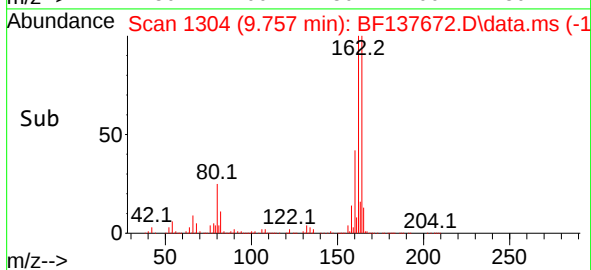
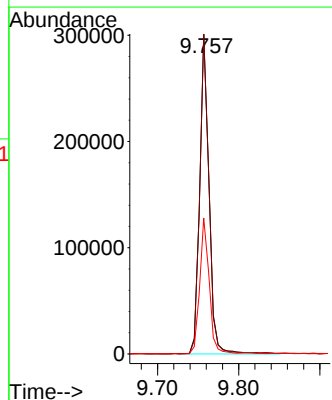
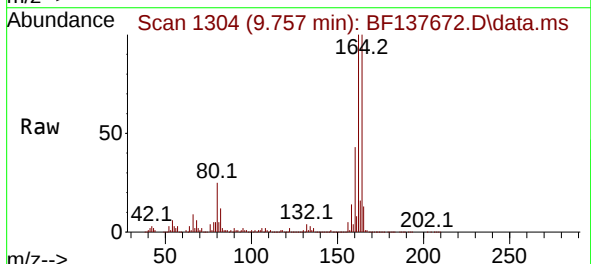
Instrument :
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ClientSampleId :
PL-01-032024

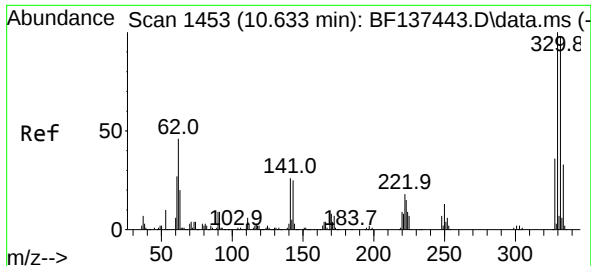
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 502.6 102.4 142.4#
77 268.4 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:164 Resp: 242241
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 42.6 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 11.273 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137672.D

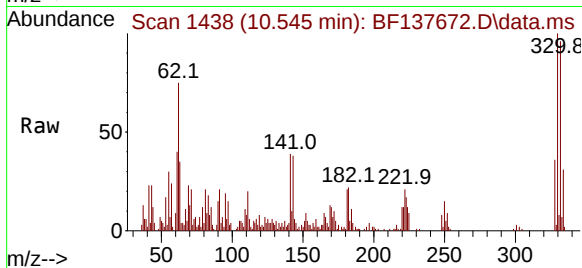
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Instrument :

BNA_F

ClientSampleId :

PL-01-032024



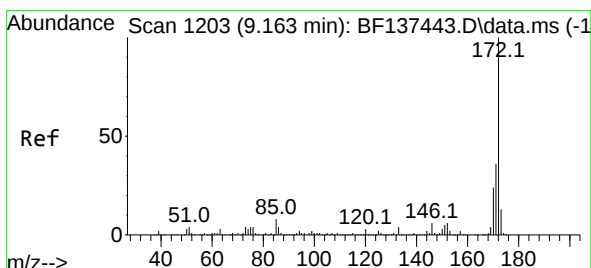
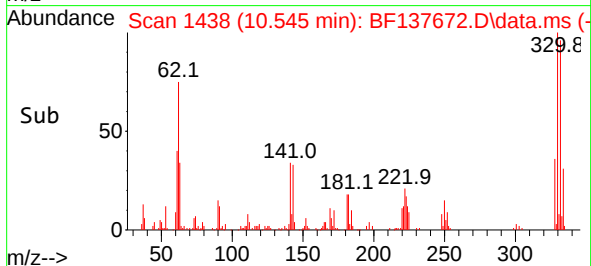
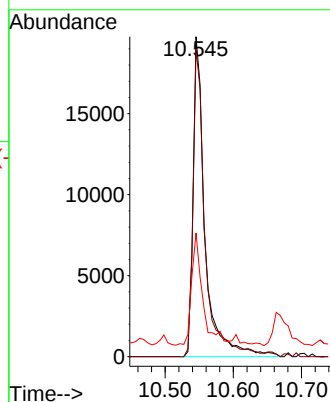
Tgt Ion:330 Resp: 23982

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 32.4 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 10.214 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

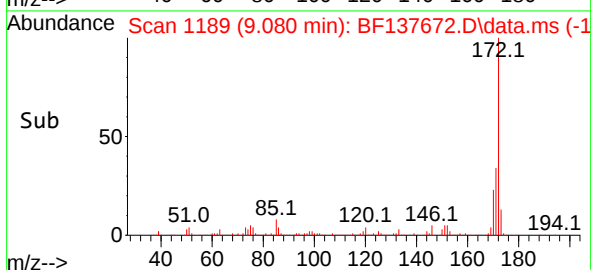
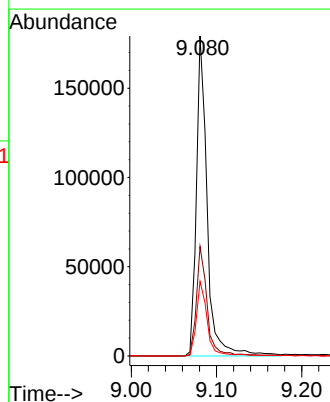
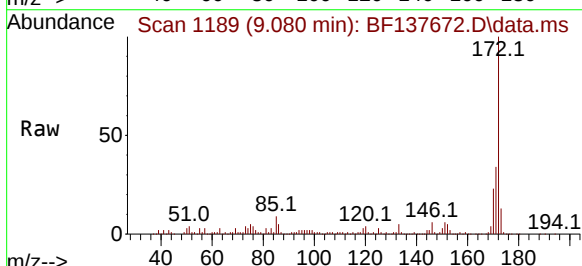
Tgt Ion:172 Resp: 158066

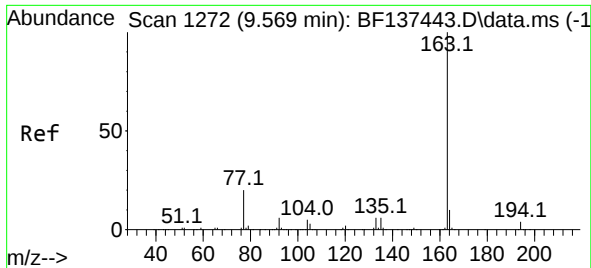
Ion Ratio Lower Upper

172 100

171 34.2 28.5 42.7

170 23.3 19.0 28.6

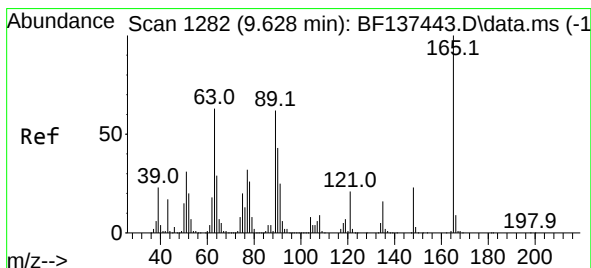
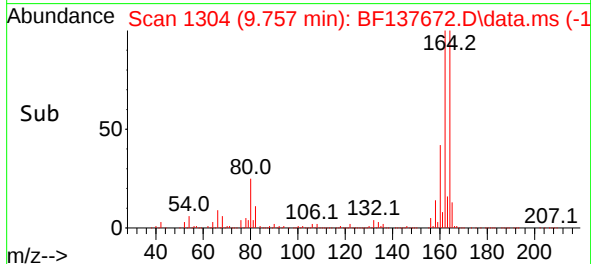
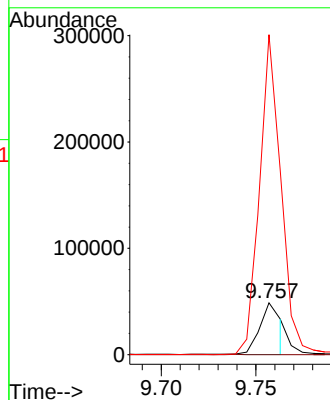
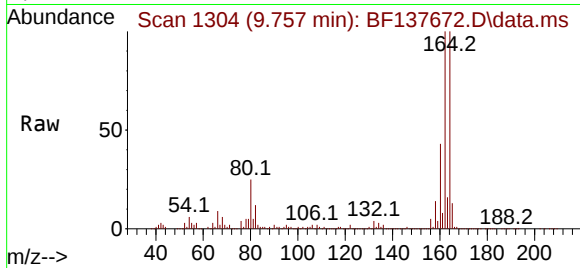




#50
Dimethylphthalate
Concen: 2.212 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

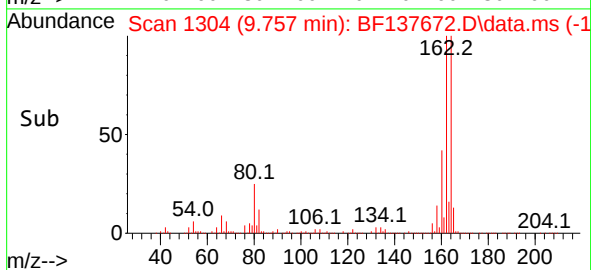
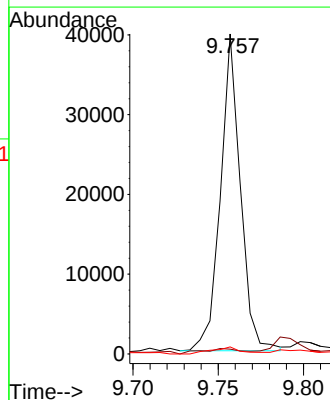
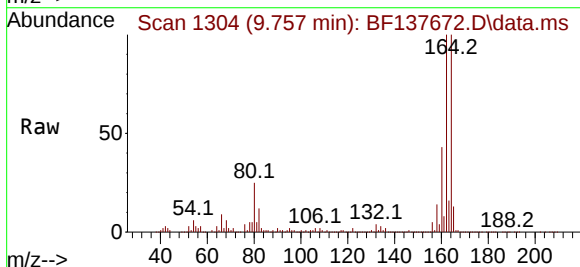
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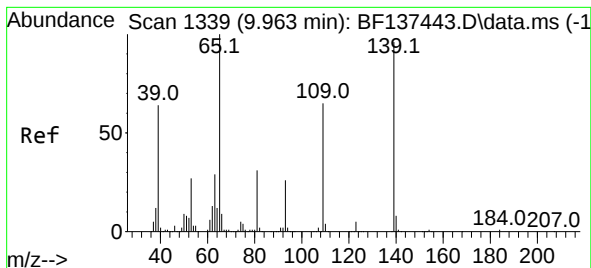
Tgt Ion:163 Resp: 37306
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 618.0 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.173 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:165 Resp: 32355
Ion Ratio Lower Upper
165 100
63 1.5 50.7 76.1#
89 2.2 50.0 75.0#

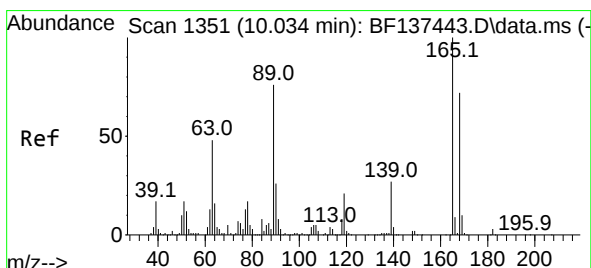
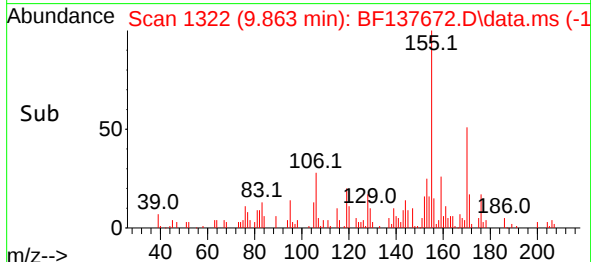
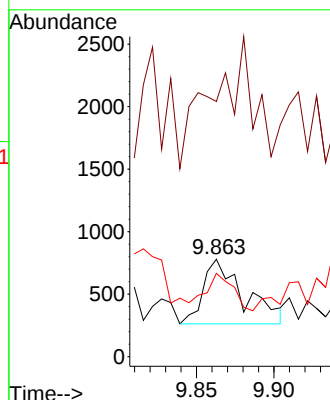
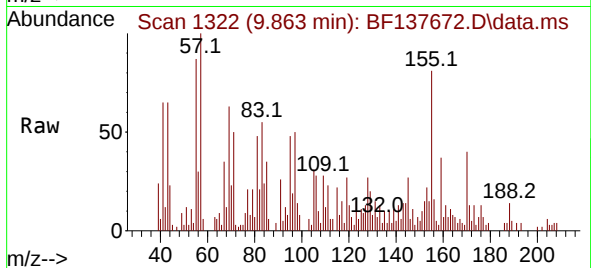




#56
4-Nitrophenol
Concen: 4.861 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

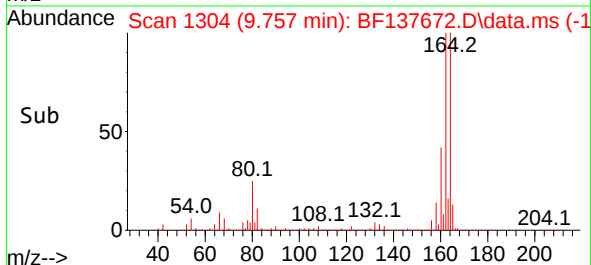
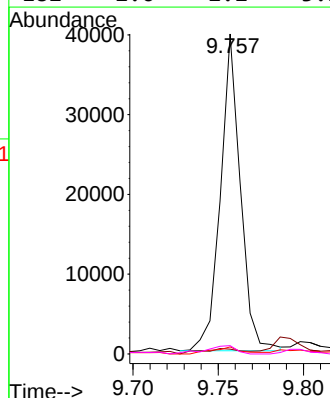
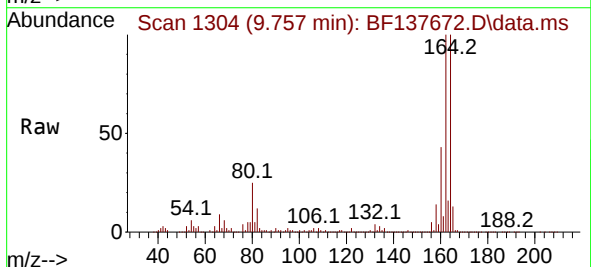
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BNA_F
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PL-01-032024

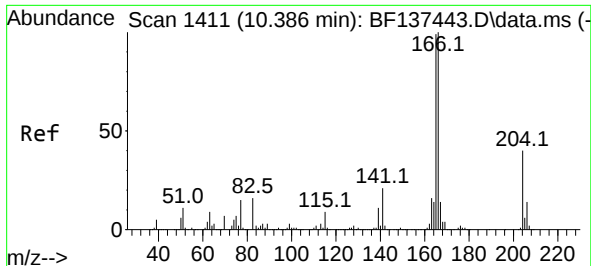
Tgt Ion:139 Resp: 941
Ion Ratio Lower Upper
139 100
109 262.1 47.1 87.1#
65 85.6 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 7.467 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:165 Resp: 32355
Ion Ratio Lower Upper
165 100
63 1.5 39.0 58.6#
89 2.2 60.9 91.3#
182 2.6 2.2 3.2

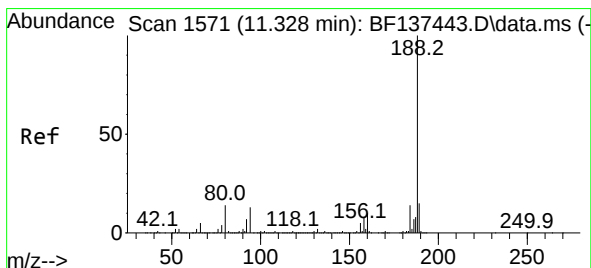
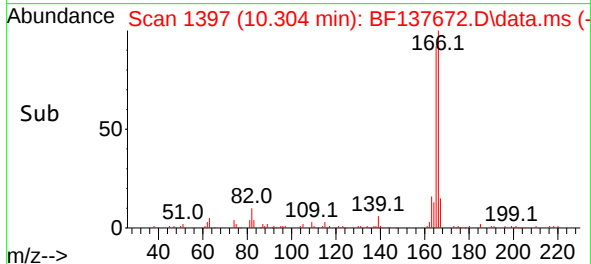
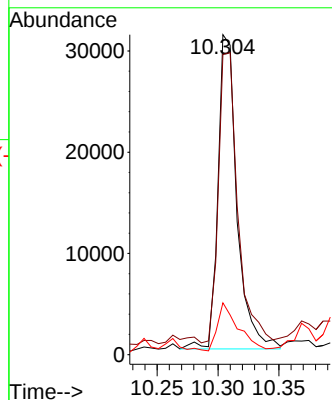
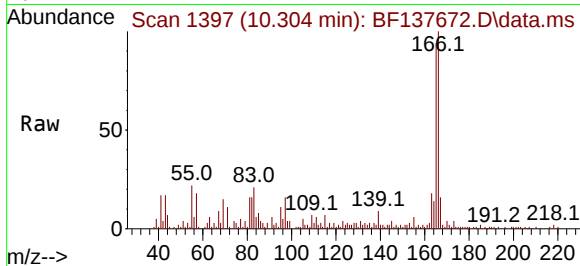




#58
Fluorene
Concen: 2.239 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

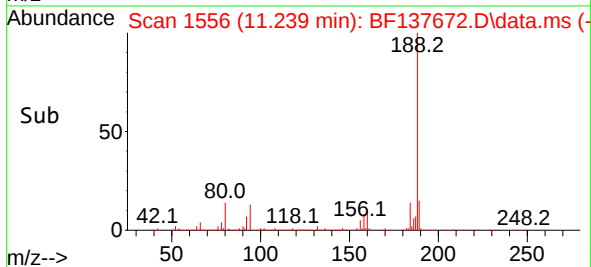
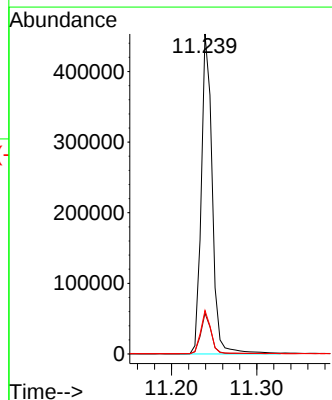
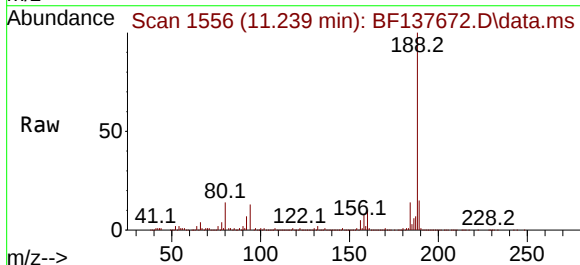
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

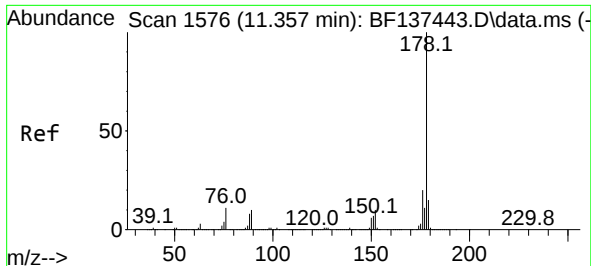
Tgt Ion:166 Resp: 33820
Ion Ratio Lower Upper
166 100
165 93.8 79.2 118.8
167 16.2 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:188 Resp: 405813
Ion Ratio Lower Upper
188 100
94 12.7 10.6 15.8
80 13.6 11.5 17.3

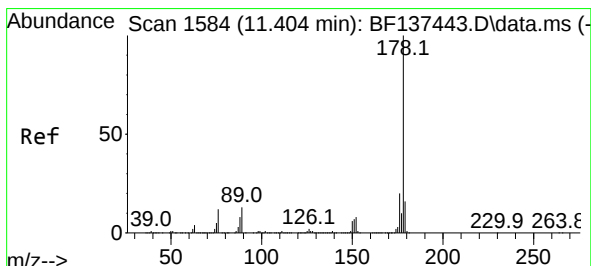
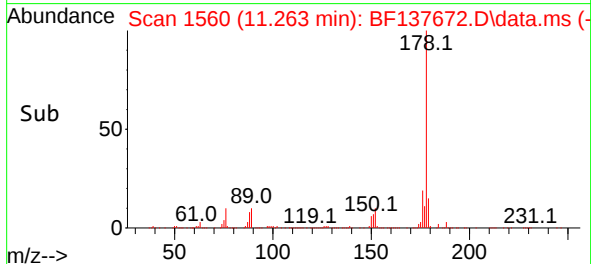
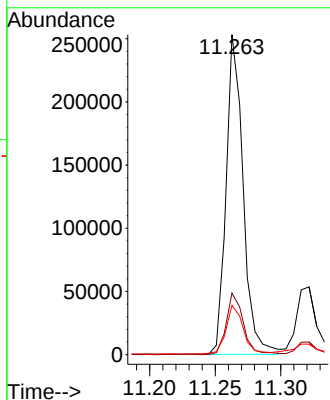
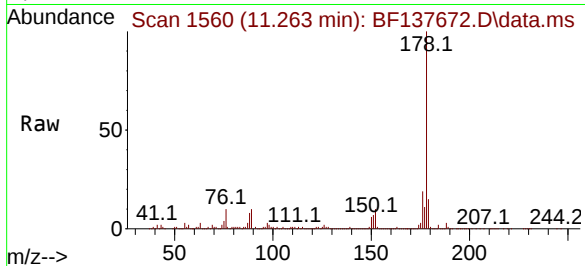




#71
Phenanthrene
Concen: 10.331 ng
RT: 11.263 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

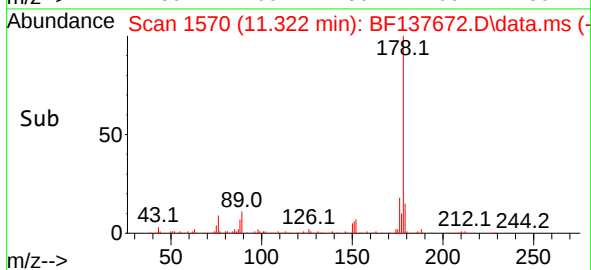
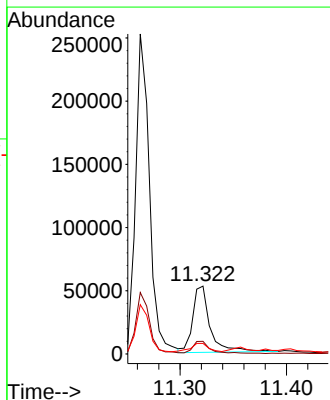
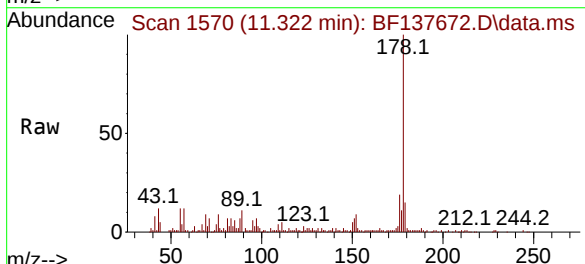
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

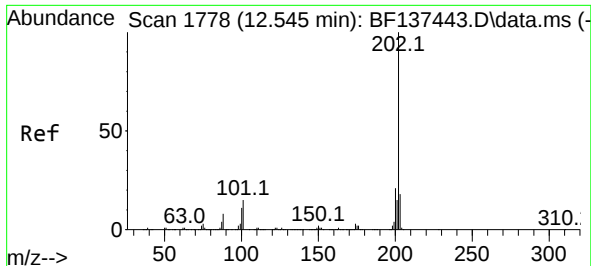
Tgt Ion:178 Resp: 228160
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.4 12.2 18.2



#72
Anthracene
Concen: 2.633 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:178 Resp: 59720
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 12.7 19.1

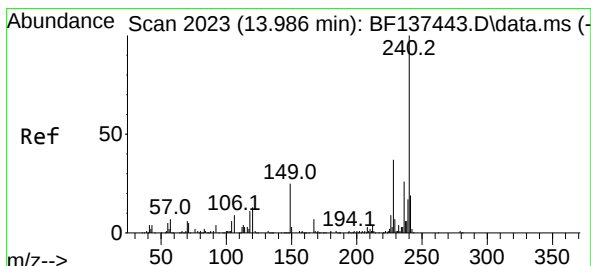
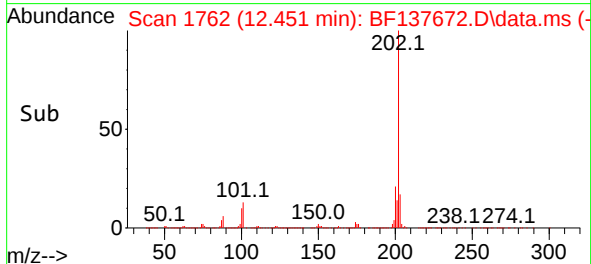
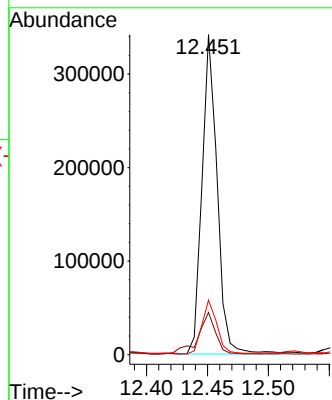
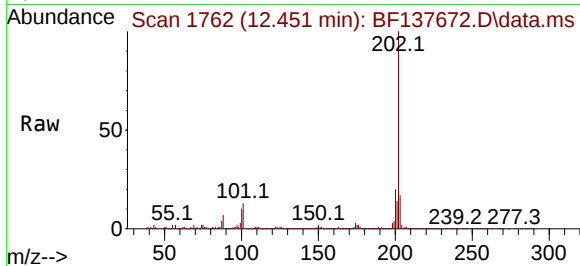




#75
Fluoranthene
Concen: 13.650 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

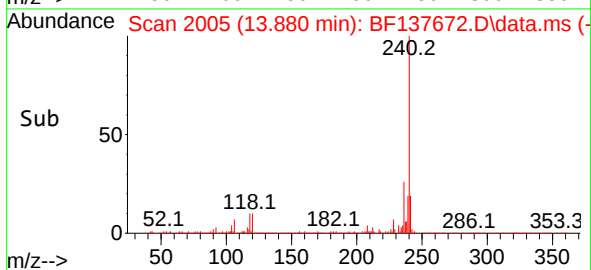
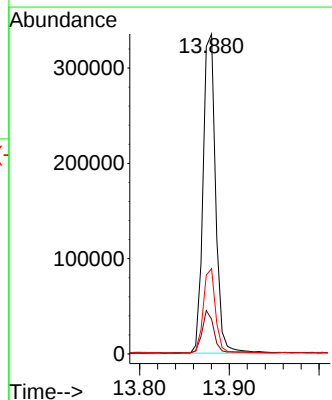
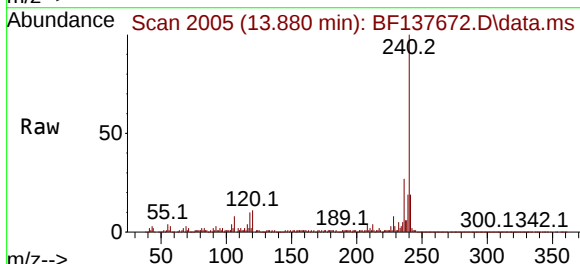
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

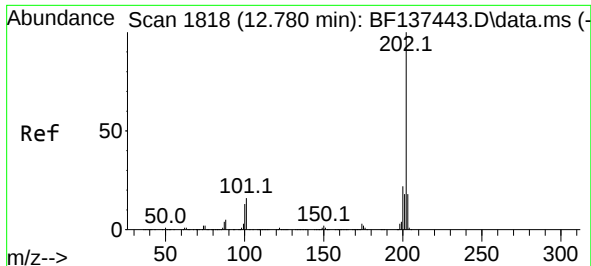
Tgt Ion:202 Resp: 294667
Ion Ratio Lower Upper
202 100
101 13.2 0.0 35.0
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:240 Resp: 327248
Ion Ratio Lower Upper
240 100
120 10.9 10.4 15.6
236 26.7 20.9 31.3

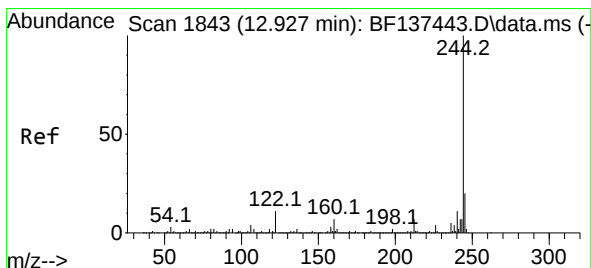
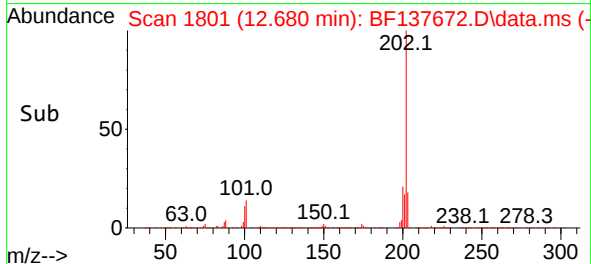
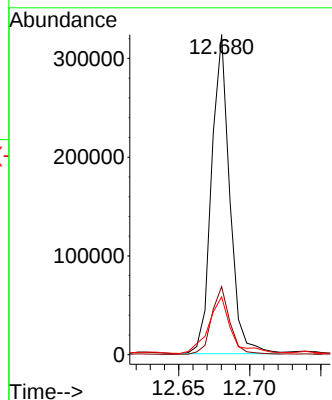
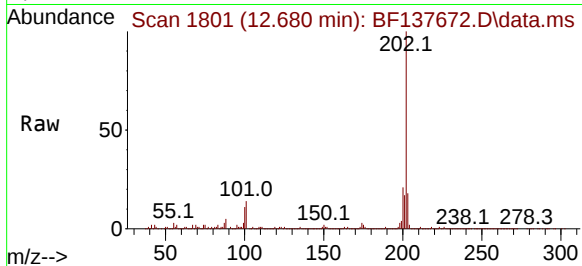




#78
Pyrene
Concen: 8.945 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

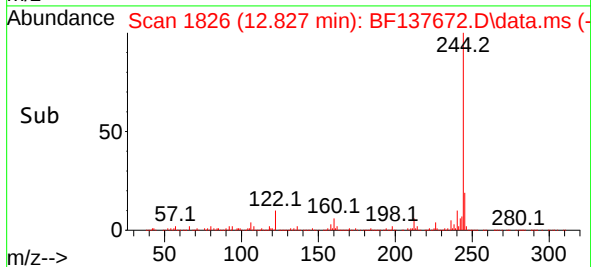
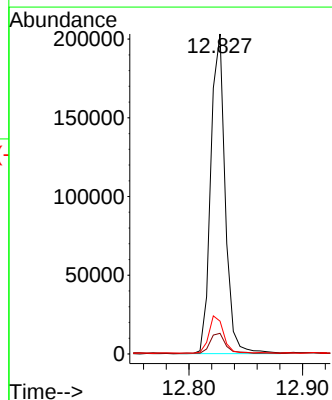
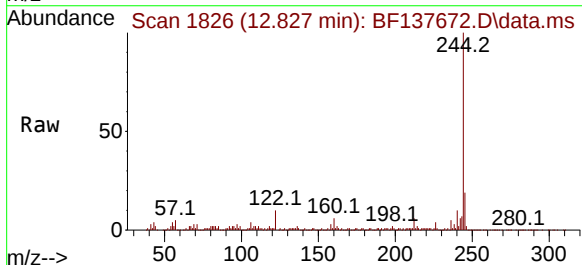
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

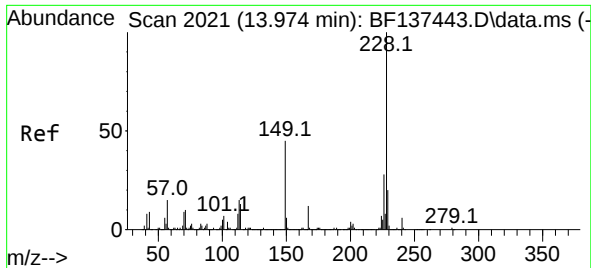
Tgt Ion:202 Resp: 287226
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.1 14.1 21.1



#79
Terphenyl-d14
Concen: 7.532 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:244 Resp: 179254
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.3 9.1 13.7

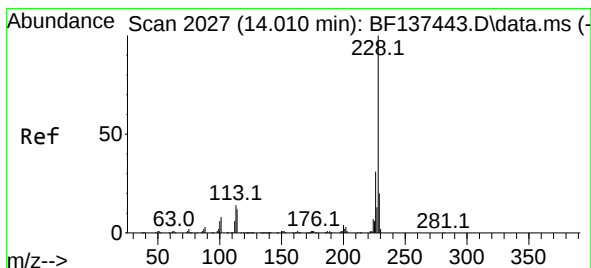
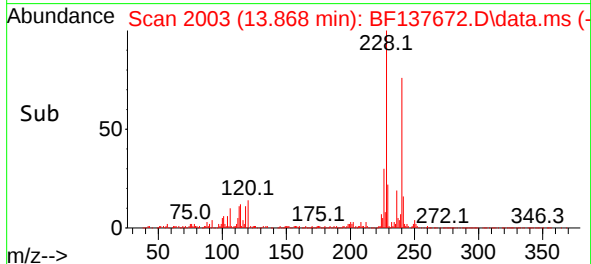
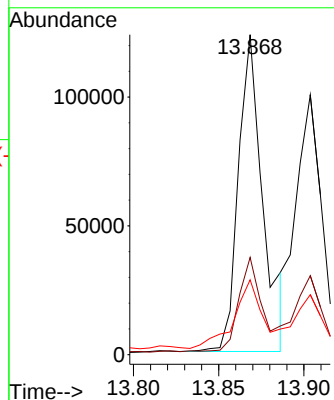
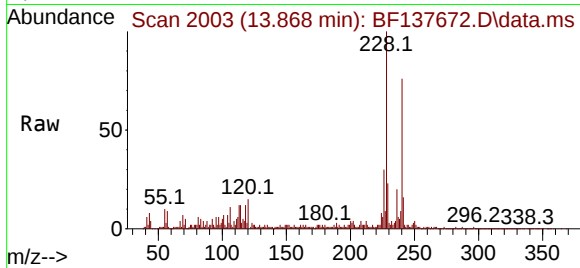




#81
Benzo(a)anthracene
Concen: 5.366 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

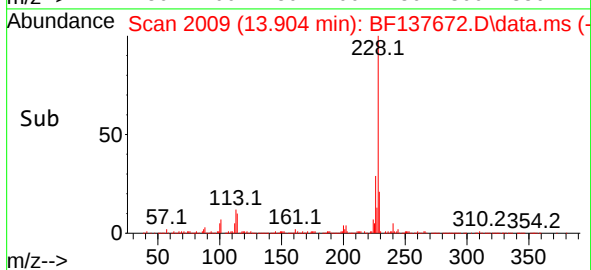
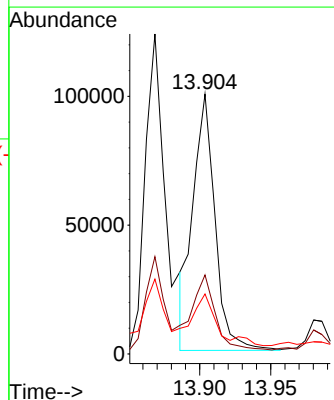
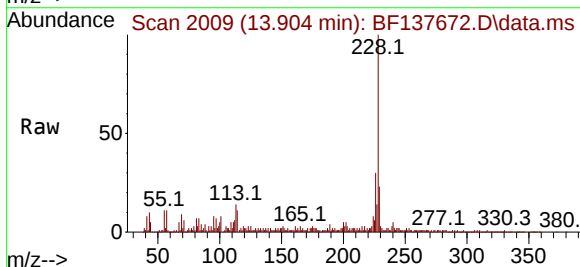
Instrument :
BNA_F
ClientSampleId :
PL-01-032024

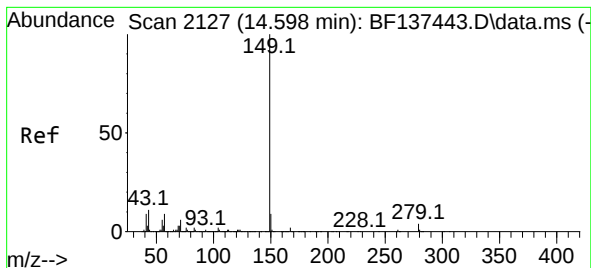
Tgt Ion:228 Resp: 123070
Ion Ratio Lower Upper
228 100
226 30.4 22.3 33.5
229 23.4 16.3 24.5



#83
Chrysene
Concen: 4.652 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137672.D
Acq: 21 Mar 2024 20:55

Tgt Ion:228 Resp: 107831
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 23.1 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.634 ng

RT: 14.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

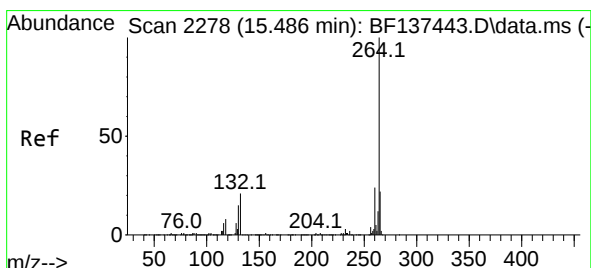
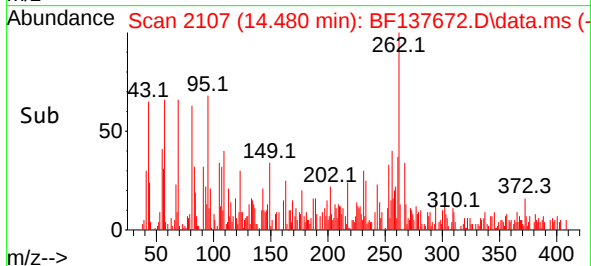
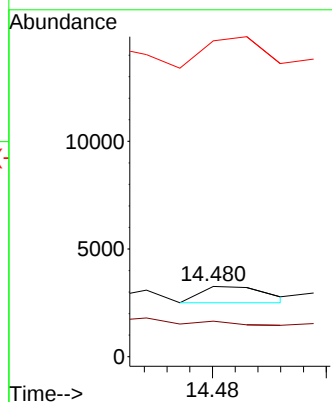
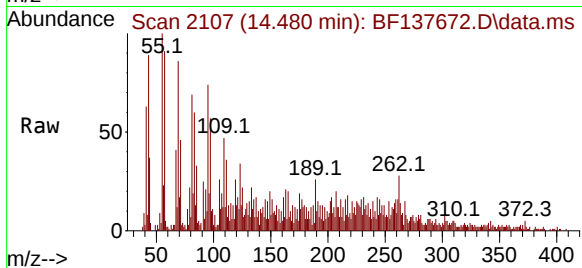
Tgt Ion:149 Resp: 614

Ion Ratio Lower Upper

149 100

167 100.7 1.2 1.8#

43 237.0 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

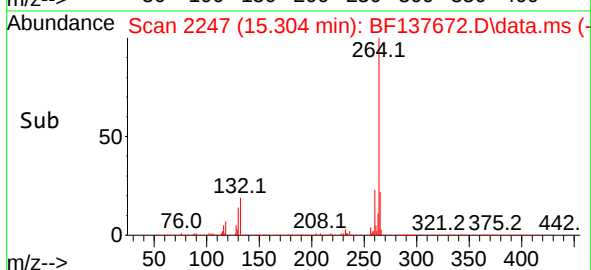
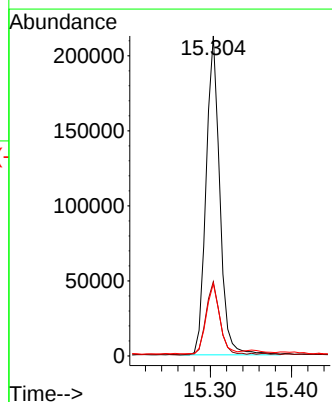
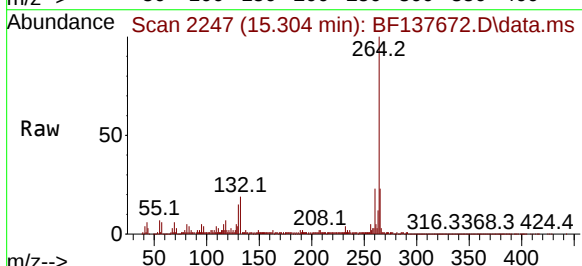
Tgt Ion:264 Resp: 248280

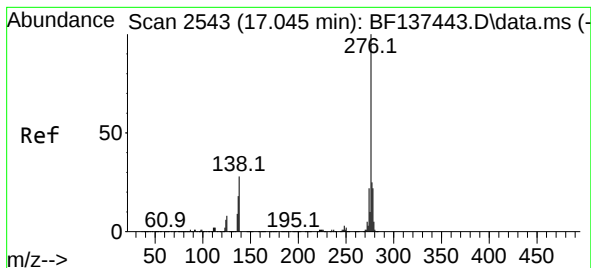
Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.070 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024

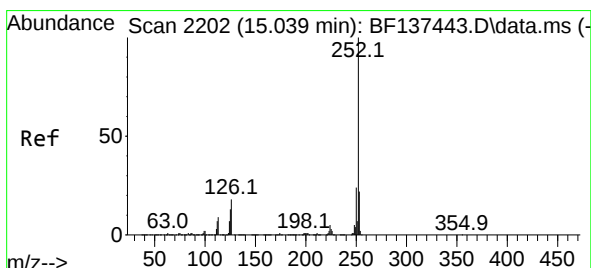
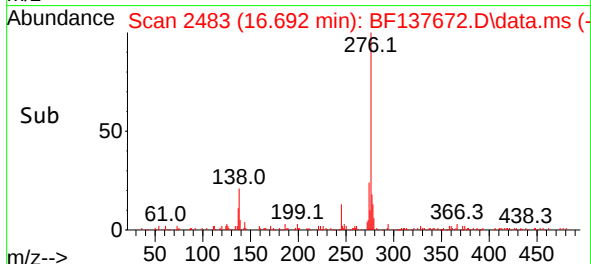
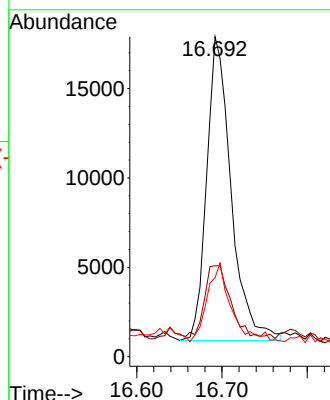
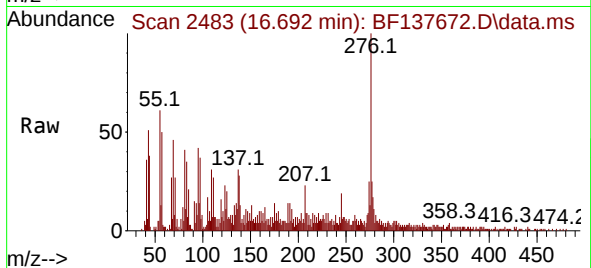
Tgt Ion:276 Resp: 33818

Ion Ratio Lower Upper

276 100

138 27.6 25.8 38.8

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.866 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

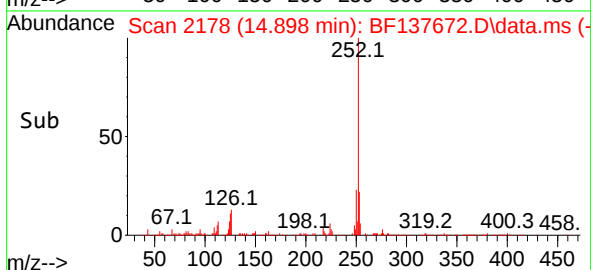
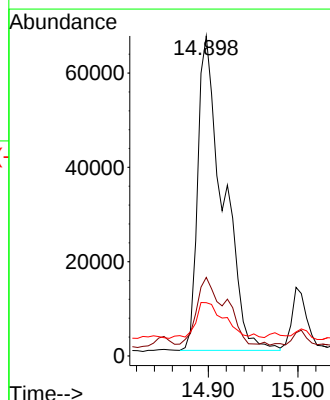
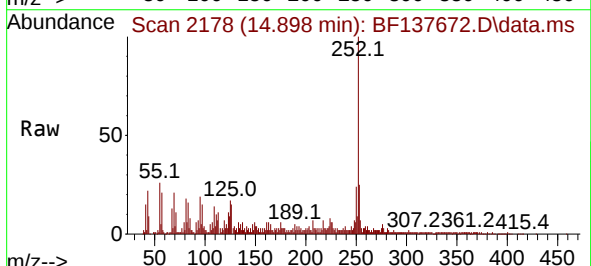
Tgt Ion:252 Resp: 130216

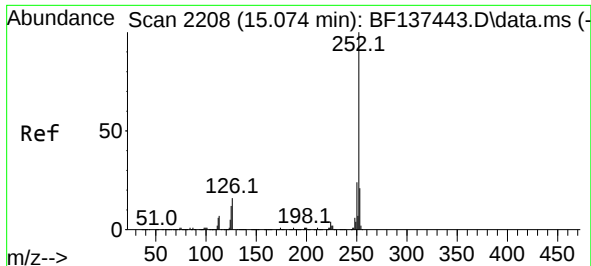
Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

125 16.7 10.1 15.1#





#89

Benzo(k)fluoranthene

Concen: 8.255 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

Instrument :

BNF

ClientSampleId :

PL-01-032024

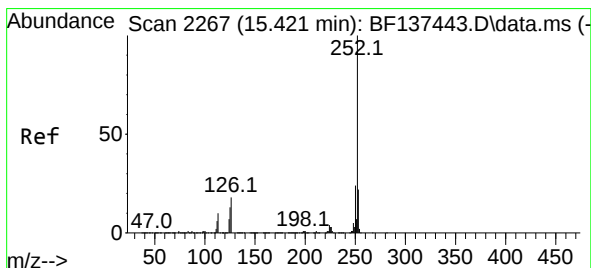
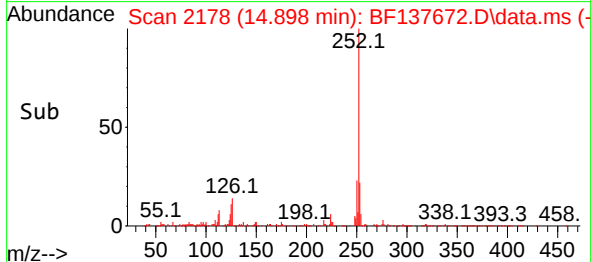
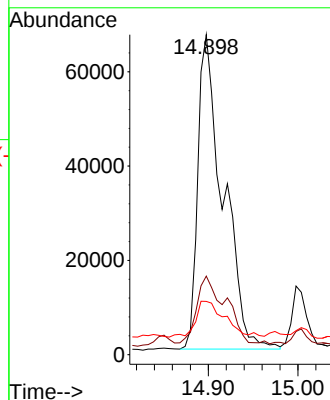
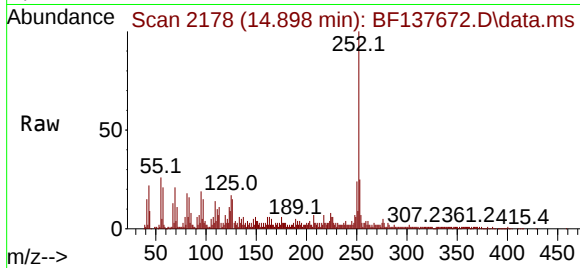
Tgt Ion:252 Resp: 130216

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

125 16.7 9.6 14.4#



#90

Benzo(a)pyrene

Concen: 4.840 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF137672.D

Acq: 21 Mar 2024 20:55

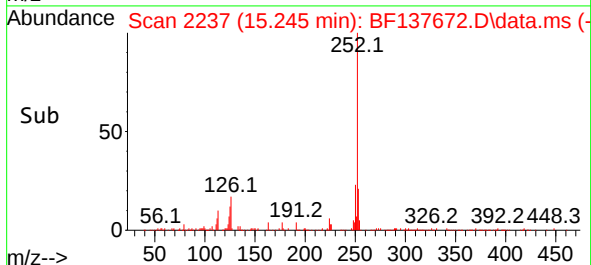
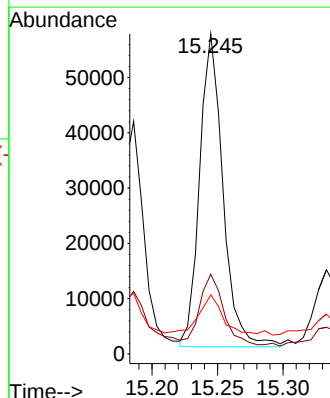
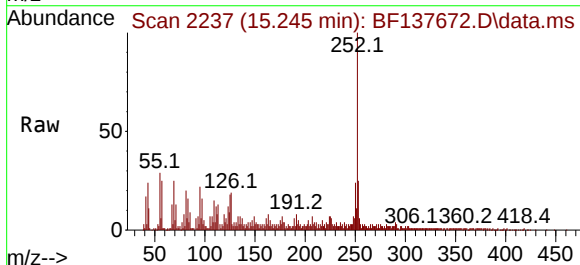
Tgt Ion:252 Resp: 70048

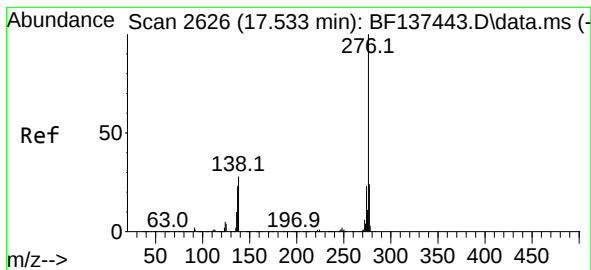
Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.2

125 18.4 10.4 15.6#





#92

Benzo(g,h,i)perylene

Concen: 2.633 ng

RT: 17.115 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF137672.D

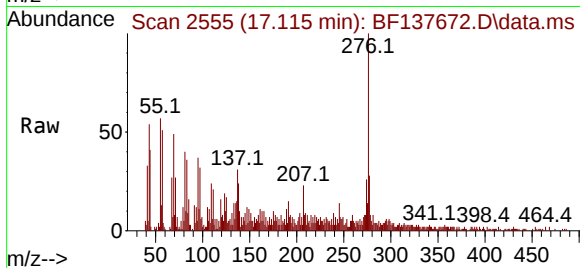
Acq: 21 Mar 2024 20:55

Instrument :

BNA_F

ClientSampleId :

PL-01-032024



Tgt Ion:276 Resp: 35833

Ion Ratio Lower Upper

276 100

277 27.7 19.0 28.4

138 24.3 22.2 33.2

