

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132669.D
 Acq On : 07 Mar 2023 02:00
 Operator : CG\JU
 Sample : 01817-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

Quant Time: Mar 07 03:25:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

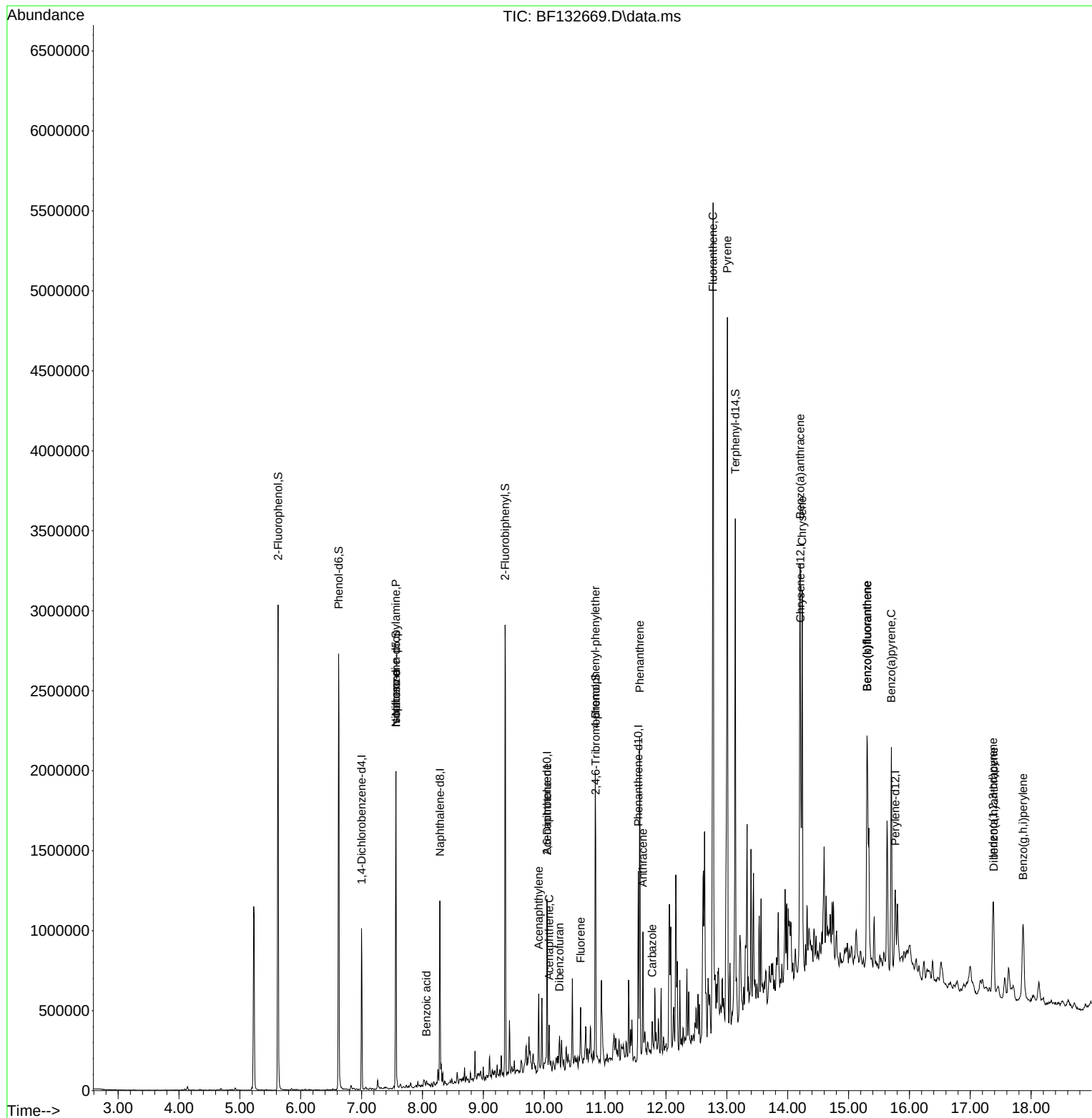
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	145807	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	461462	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	208194	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	418273	20.000	ng	0.00
76) Chrysene-d12	14.210	240	286203	20.000	ng	# 0.00
86) Perylene-d12	15.768	264	217375	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	861407	95.883	ng	0.00
7) Phenol-d6	6.622	99	1000131	85.300	ng	-0.01
23) Nitrobenzene-d5	7.563	82	590057	60.666	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	214082	95.215	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	861683	63.021	ng	-0.01
79) Terphenyl-d14	13.139	244	1122031	66.284	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	75690	10.489	ng	# 77
25) Isophorone	7.563	82	587236	31.491	ng	# 67
32) Benzoic acid	8.063	122	484	3.914	ng	# 8
49) Acenaphthylene	9.910	152	182018	9.154	ng	99
51) 2,6-Dinitrotoluene	10.045	165	29439	8.527	ng	# 22
52) Acenaphthene	10.081	154	47107	3.731	ng	98
55) Dibenzofuran	10.251	168	40954	2.225	ng	# 97
58) Fluorene	10.598	166	89853	6.382	ng	98
67) 4-Bromophenyl-phenylether	10.839	248	14109	2.982	ng	# 1
71) Phenanthrene	11.569	178	722986	33.366	ng	98
72) Anthracene	11.622	178	283447	12.703	ng	99
73) Carbazole	11.775	167	52372	2.603	ng	97
75) Fluoranthene	12.774	202	1893463	79.933	ng	98
78) Pyrene	13.010	202	1998793	76.815	ng	100
81) Benzo(a)anthracene	14.204	228	1018698	47.571	ng	93
83) Chrysene	14.239	228	1014952	50.684	ng	98
87) Indeno(1,2,3-cd)pyrene	17.374	276	438979	30.820	ng	96
88) Benzo(b)fluoranthene	15.304	252	1352656	92.855	ng	97
89) Benzo(k)fluoranthene	15.304	252	1352656	94.877	ng	97
90) Benzo(a)pyrene	15.704	252	705795	51.768	ng	98
91) Dibenzo(a,h)anthracene	17.386	278	118595	10.219	ng	95
92) Benzo(g,h,i)perylene	17.868	276	450731	34.826	ng	99

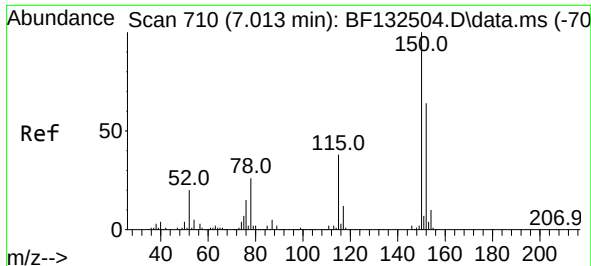
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
Data File : BF132669.D
Acq On : 07 Mar 2023 02:00
Operator : CG\JU
Sample : 01817-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Quant Time: Mar 07 03:25:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration

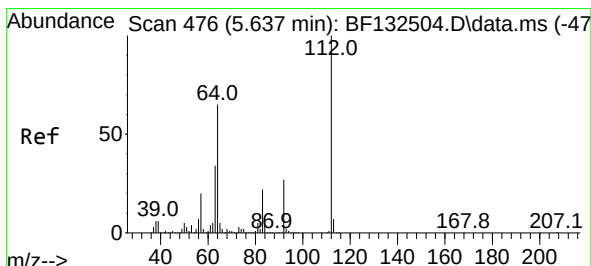
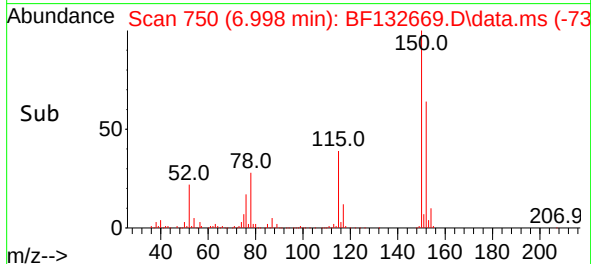
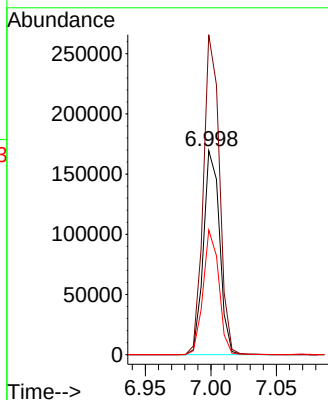
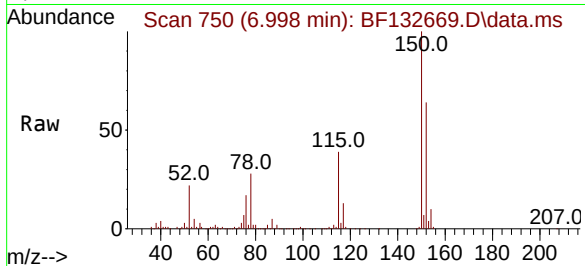




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

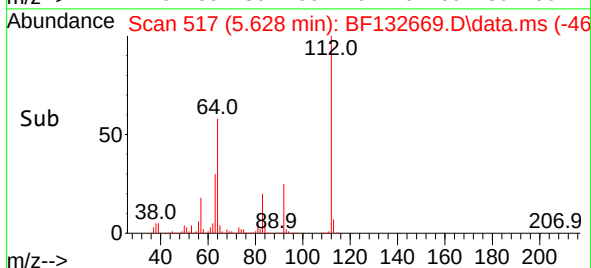
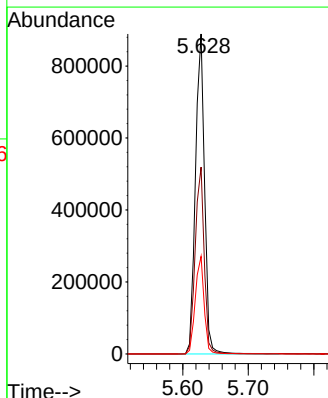
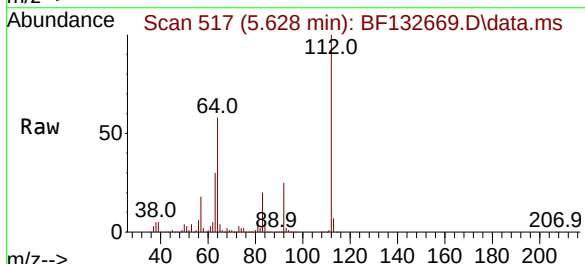
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

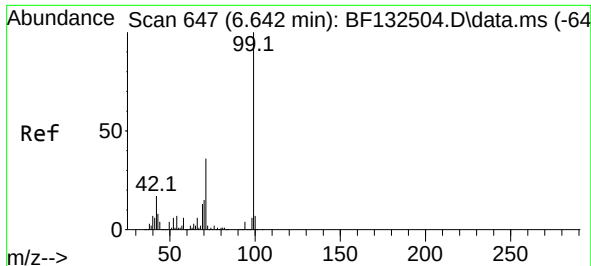
Tgt Ion:152 Resp: 145807
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 61.1 47.8 71.6



#5
2-Fluorophenol
Concen: 95.883 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:112 Resp: 861407
Ion Ratio Lower Upper
112 100
64 58.4 51.6 77.4
63 30.5 27.4 41.2

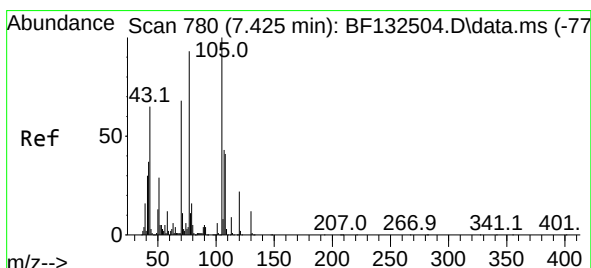
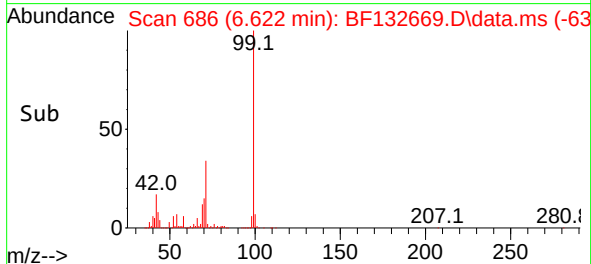
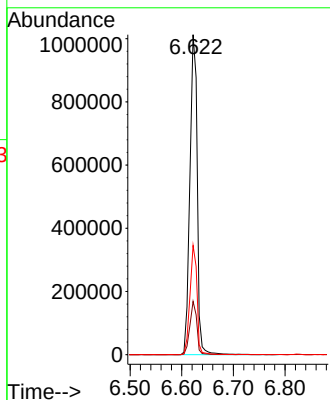
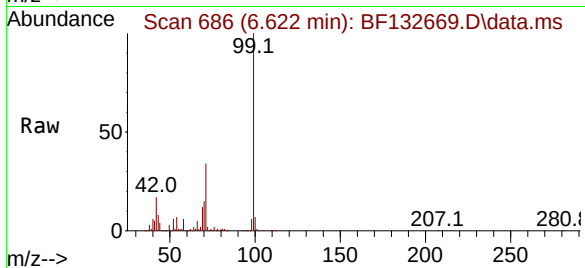




#7
Phenol-d6
Concen: 85.300 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

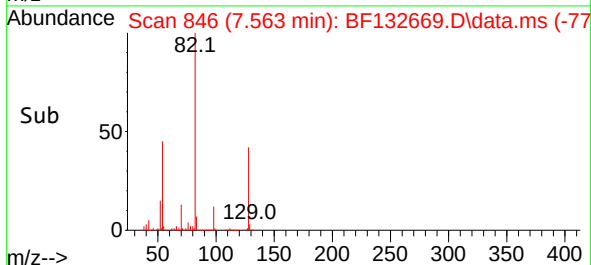
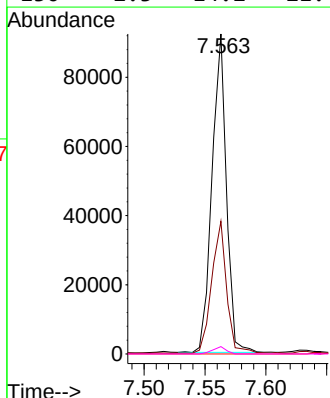
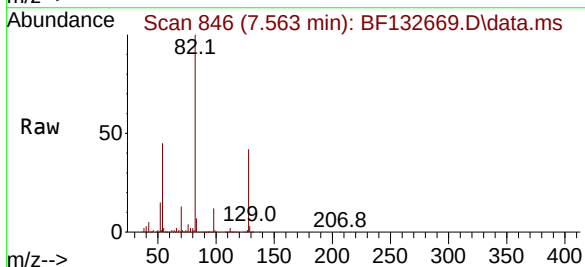
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

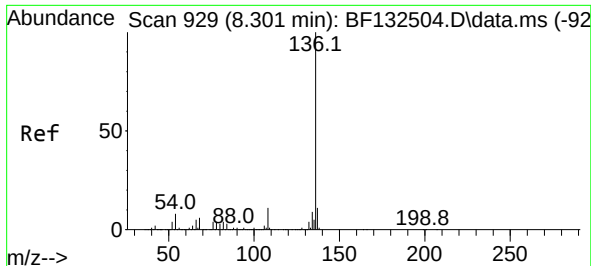
Tgt Ion: 99 Resp: 1000131
Ion Ratio Lower Upper
99 100
42 16.6 13.9 20.9
71 34.2 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.489 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion: 70 Resp: 75690
Ion Ratio Lower Upper
70 100
42 41.5 44.1 66.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



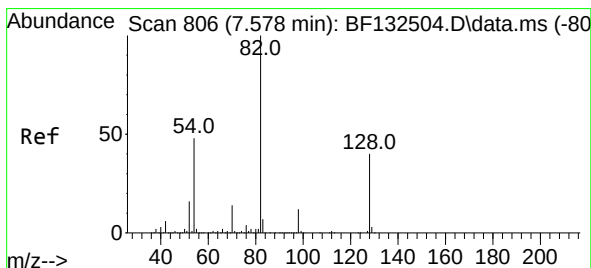
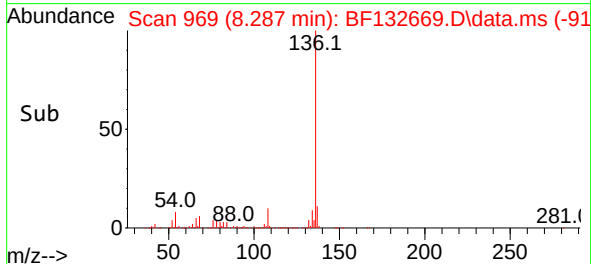
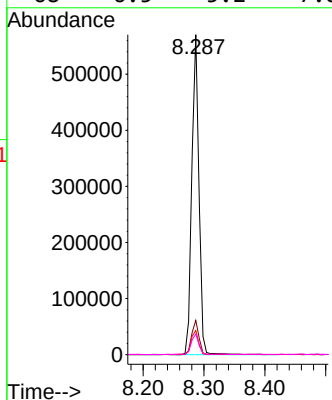
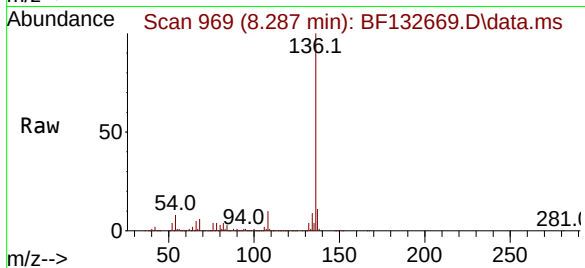


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:136 Resp: 461462

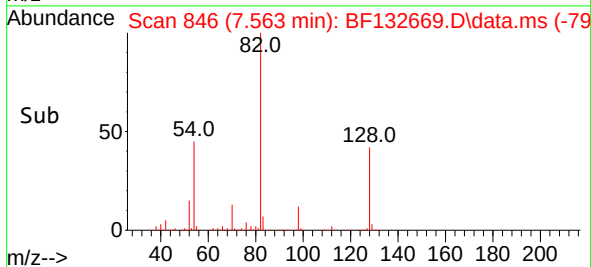
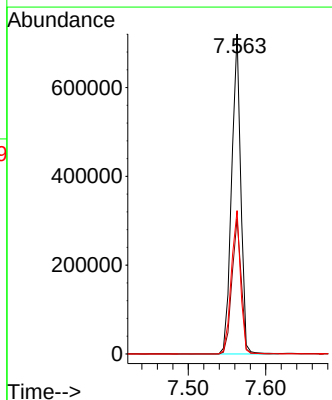
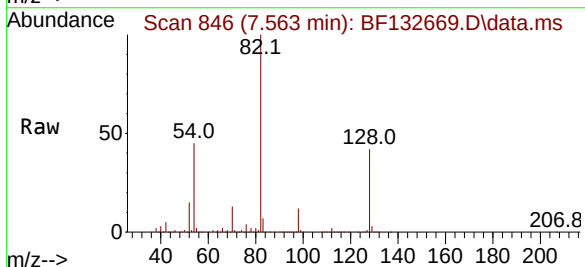
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.5	6.2	9.4
68	6.5	5.2	7.8

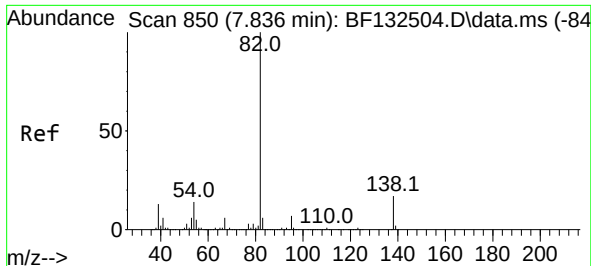


#23
Nitrobenzene-d5
Concen: 60.666 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion: 82 Resp: 590057

Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.2	48.2
54	44.8	38.4	57.6

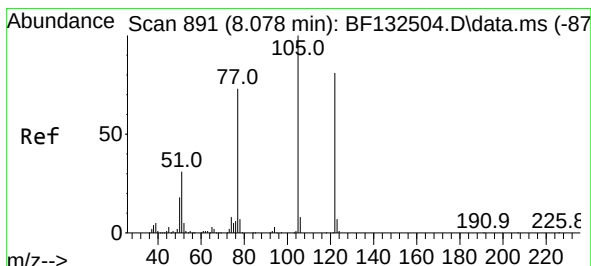
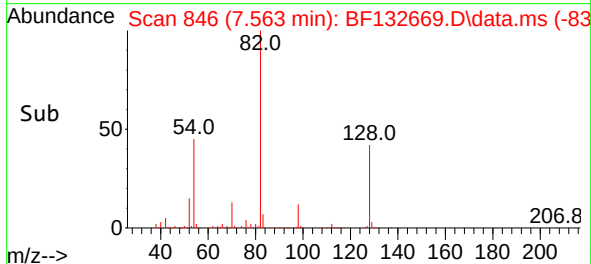
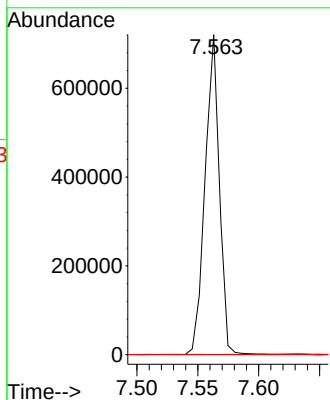
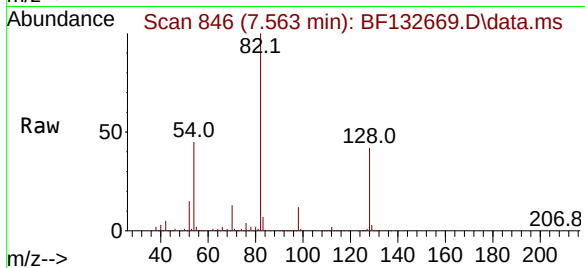




#25
Isophorone
Concen: 31.491 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

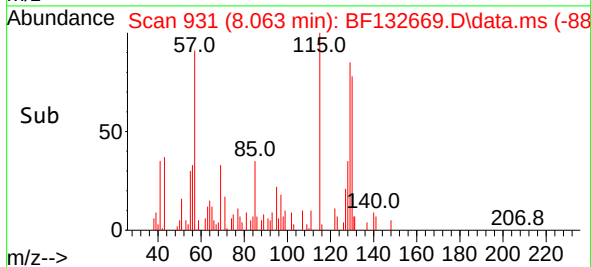
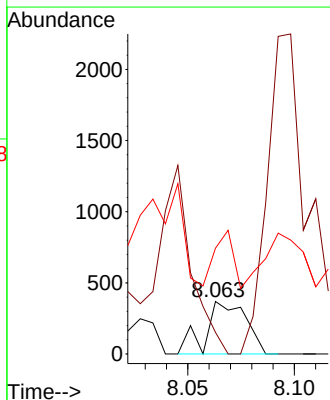
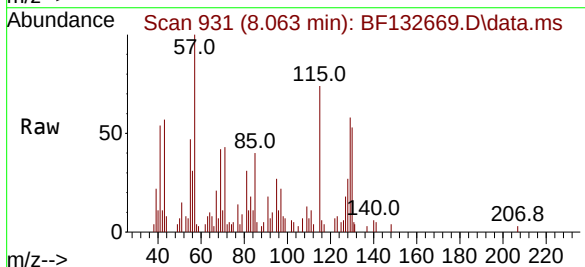
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

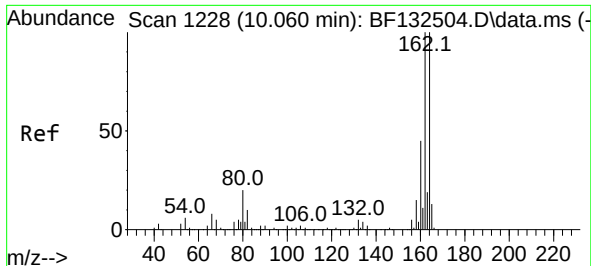
Tgt Ion: 82 Resp: 587236
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.914 ng
RT: 8.063 min Scan# 931
Delta R.T. -0.003 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion: 122 Resp: 484
Ion Ratio Lower Upper
122 100
105 41.2 102.6 142.6#
77 201.6 70.2 110.2#

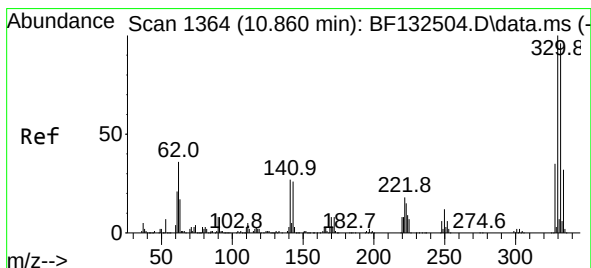
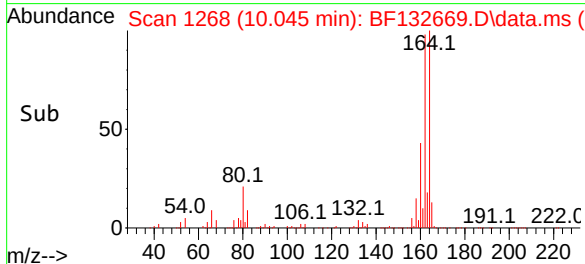
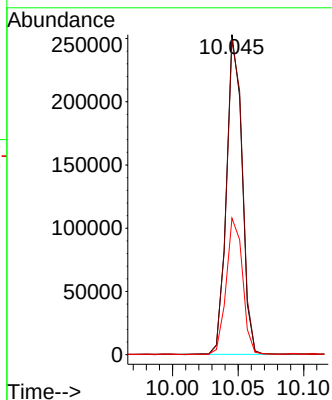
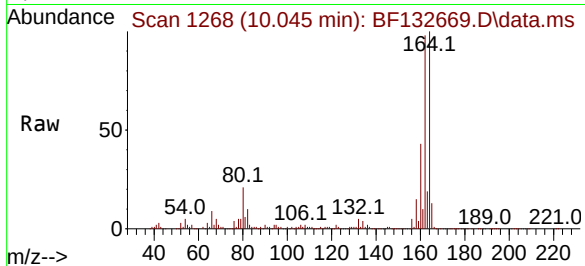




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

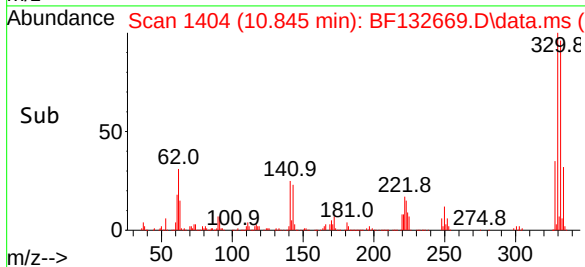
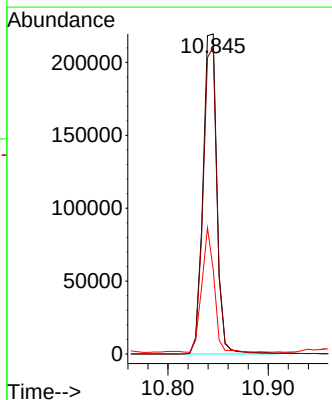
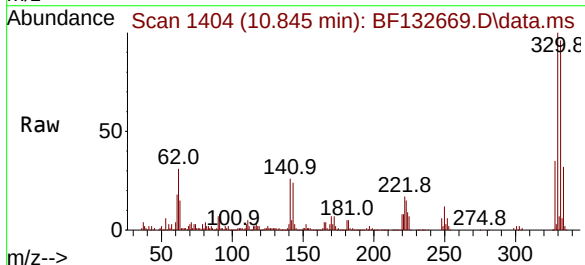
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

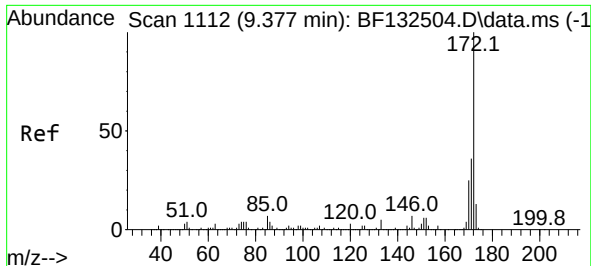
Tgt Ion:164 Resp: 208194
Ion Ratio Lower Upper
164 100
162 98.2 79.8 119.8
160 42.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 95.215 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.003 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:330 Resp: 214082
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 34.1 28.4 42.6

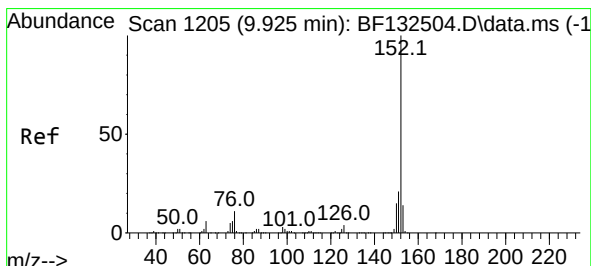
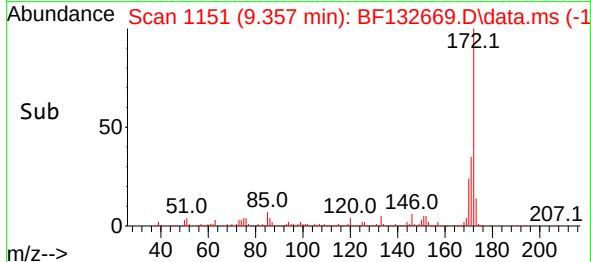
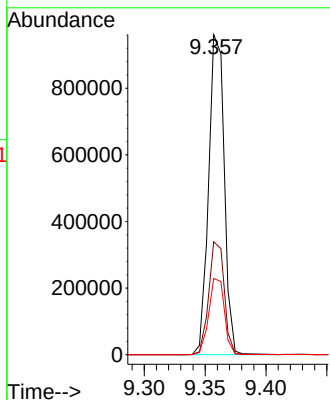
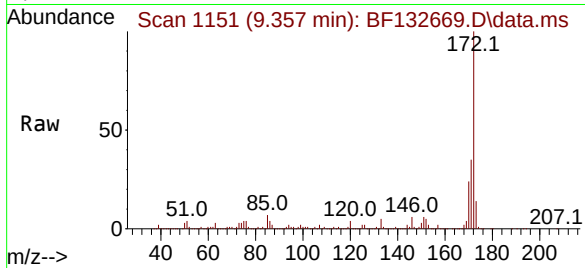




#45
2-Fluorobiphenyl
Concen: 63.021 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

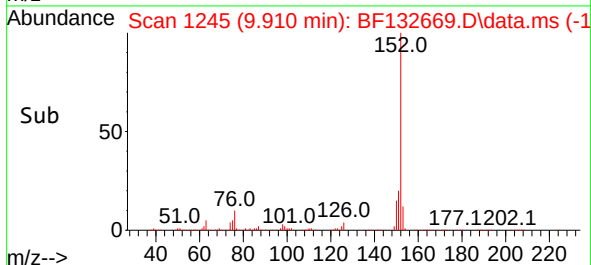
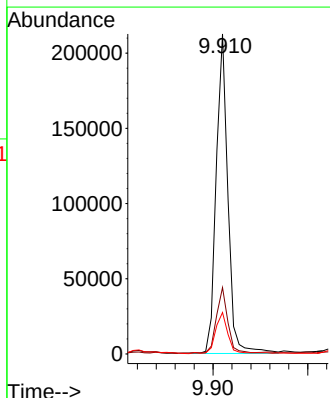
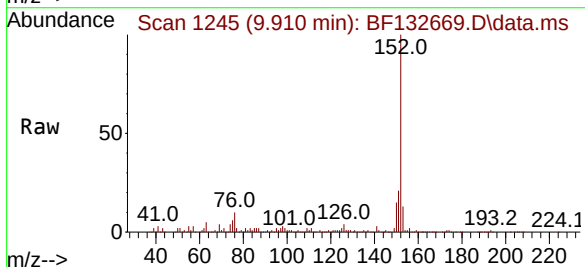
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

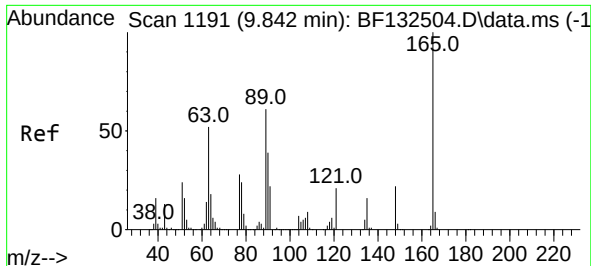
Tgt Ion:172 Resp: 861683
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.8 19.7 29.5



#49
Acenaphthylene
Concen: 9.154 ng
RT: 9.910 min Scan# 1245
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:152 Resp: 182018
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 13.0 11.0 16.6





#51

2,6-Dinitrotoluene

Concen: 8.527 ng

RT: 10.045 min Scan# 1191

Delta R.T. 0.209 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

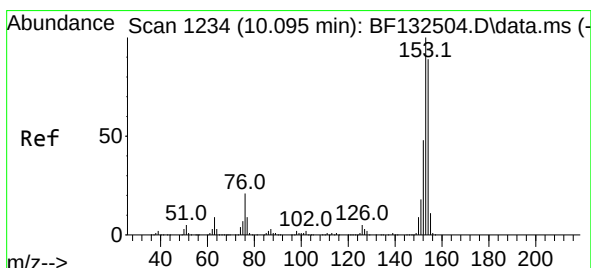
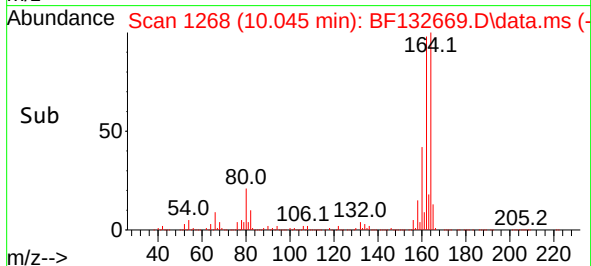
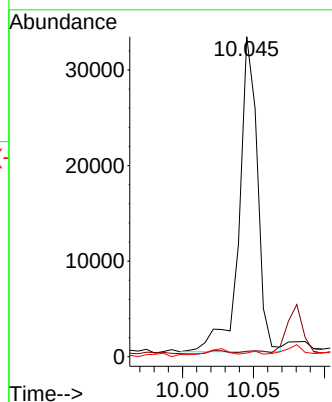
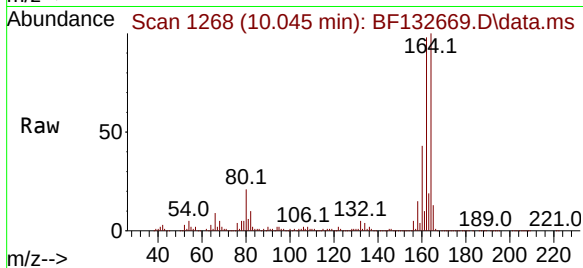
Tgt Ion:165 Resp: 29439

Ion Ratio Lower Upper

165 100

63 1.7 47.3 70.9#

89 1.1 48.9 73.3#



#52

Acenaphthene

Concen: 3.731 ng

RT: 10.081 min Scan# 1274

Delta R.T. -0.009 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

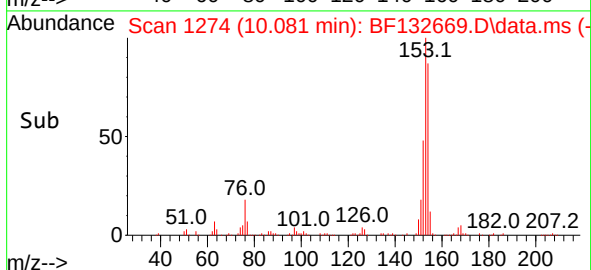
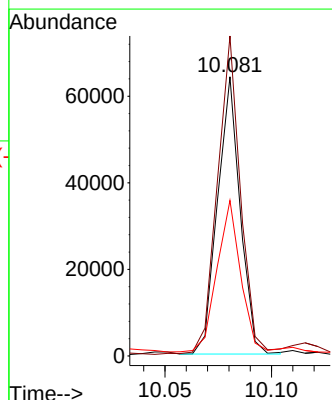
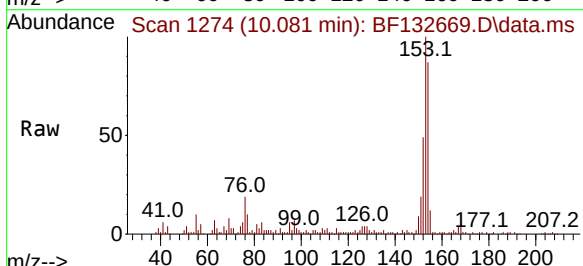
Tgt Ion:154 Resp: 47107

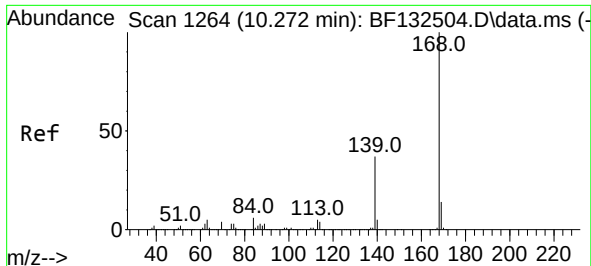
Ion Ratio Lower Upper

154 100

153 114.6 89.8 134.8

152 55.7 43.3 64.9

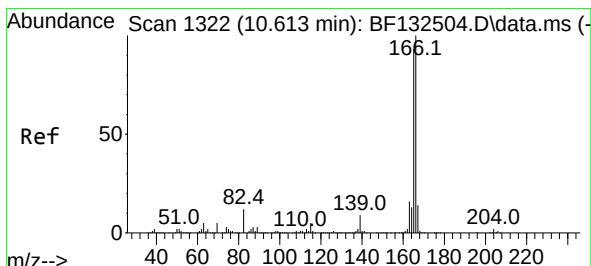
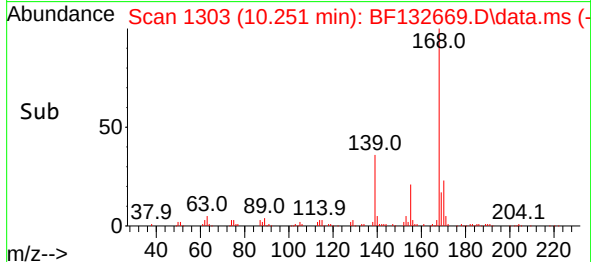
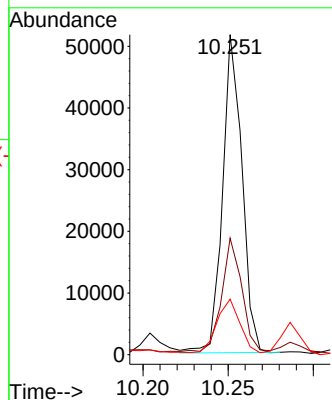
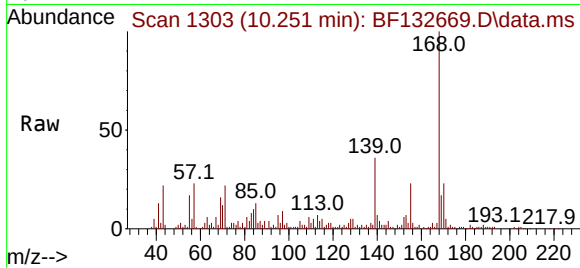




#55
Dibenzenofuran
Concen: 2.225 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

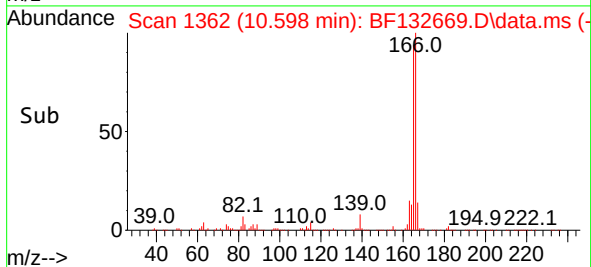
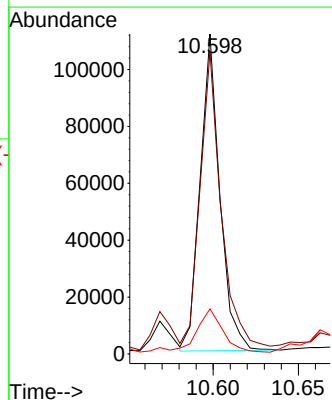
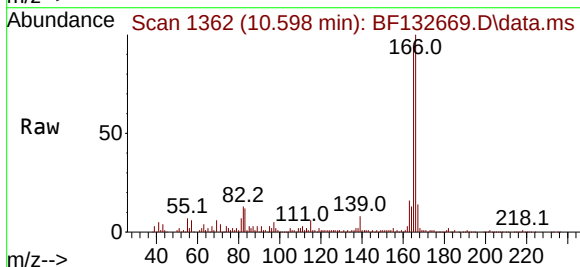
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

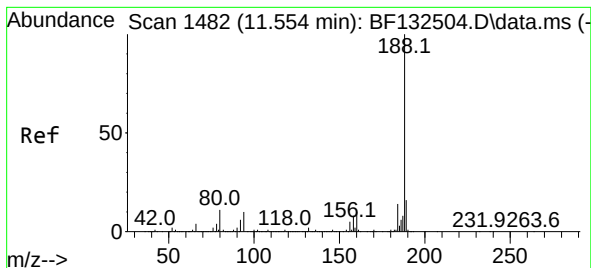
Tgt Ion:168 Resp: 40954
Ion Ratio Lower Upper
168 100
139 36.4 29.8 44.6
169 17.4 10.9 16.3#



#58
Fluorene
Concen: 6.382 ng
RT: 10.598 min Scan# 1362
Delta R.T. -0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:166 Resp: 89853
Ion Ratio Lower Upper
166 100
165 94.4 74.2 111.4
167 14.1 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

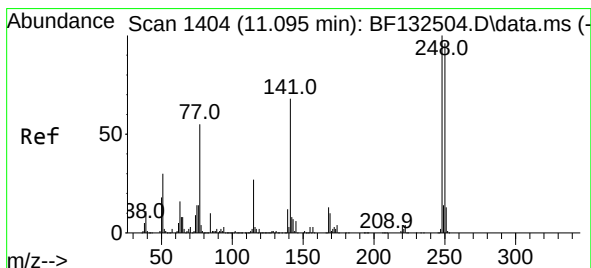
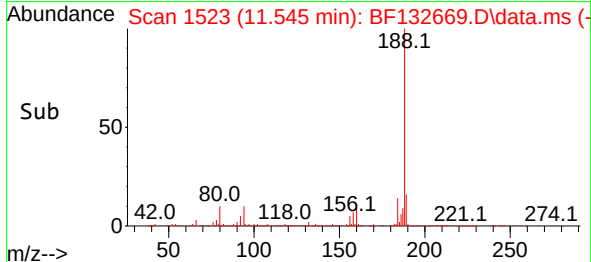
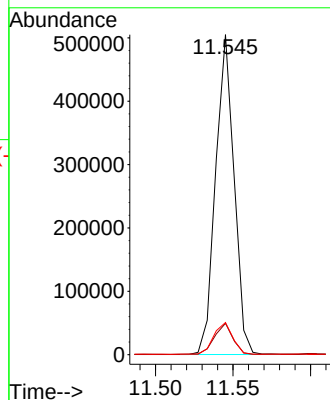
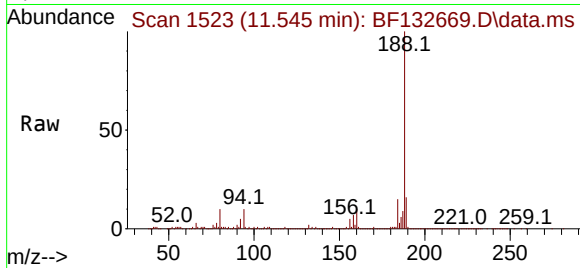
Tgt Ion:188 Resp: 418273

Ion Ratio Lower Upper

188 100

94 9.8 8.3 12.5

80 10.1 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.982 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.250 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

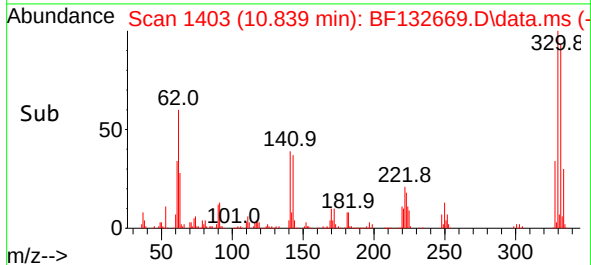
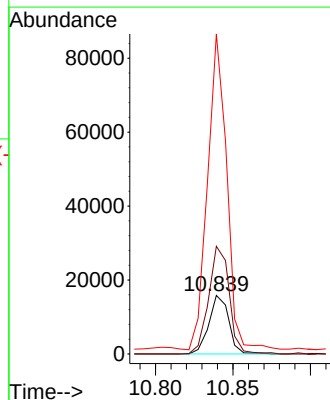
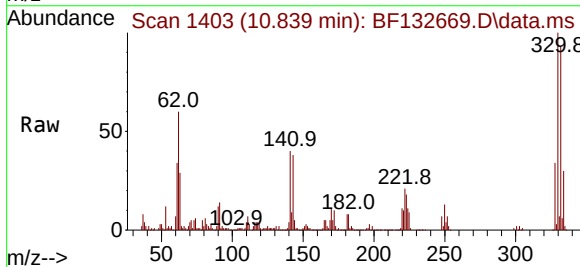
Tgt Ion:248 Resp: 14109

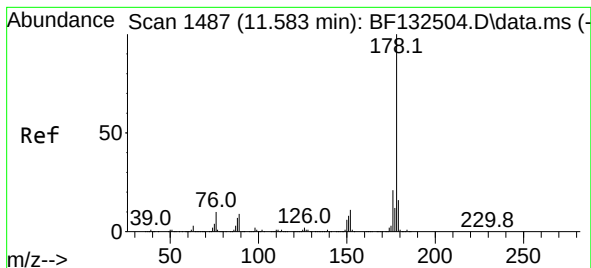
Ion Ratio Lower Upper

248 100

250 183.8 77.0 115.4#

141 546.5 54.2 81.2#





#71

Phenanthrene

Concen: 33.366 ng

RT: 11.569 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

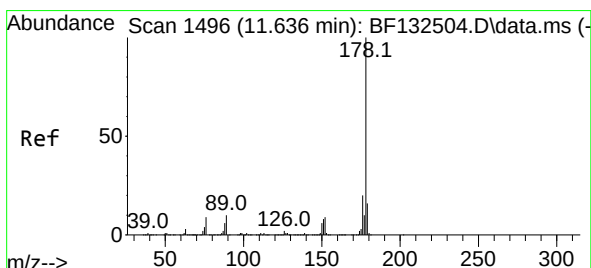
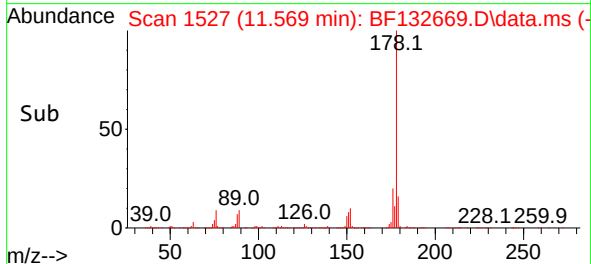
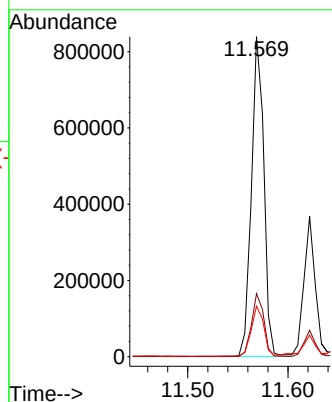
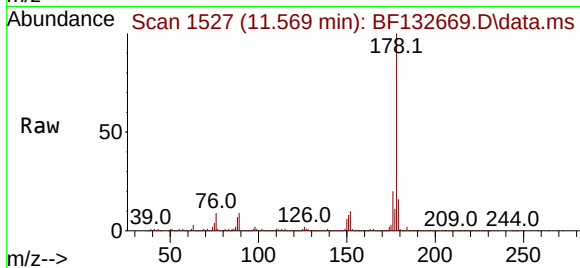
Tgt Ion:178 Resp: 722986

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

179 15.8 13.0 19.6



#72

Anthracene

Concen: 12.703 ng

RT: 11.622 min Scan# 1536

Delta R.T. -0.009 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

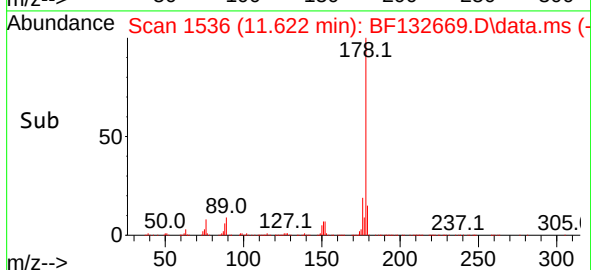
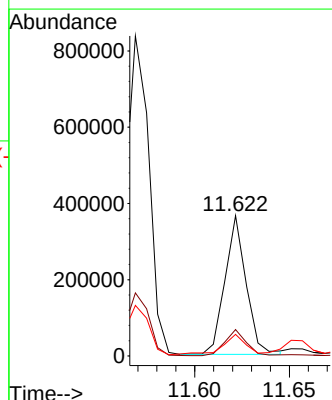
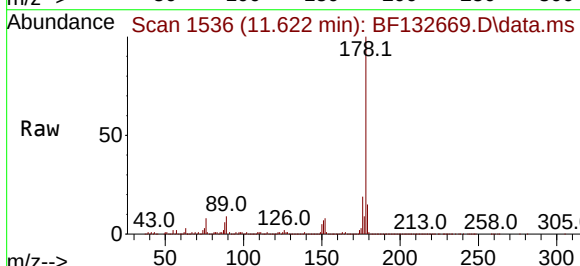
Tgt Ion:178 Resp: 283447

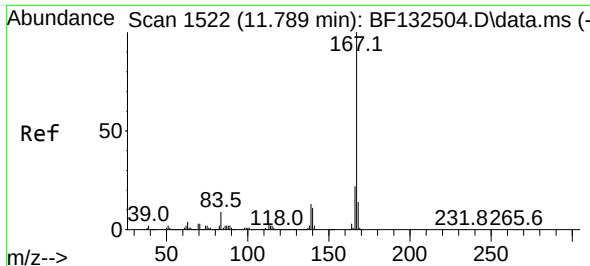
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.4 12.5 18.7

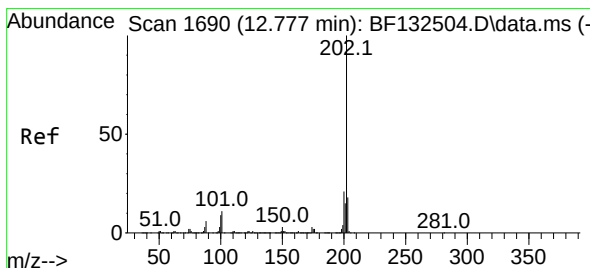
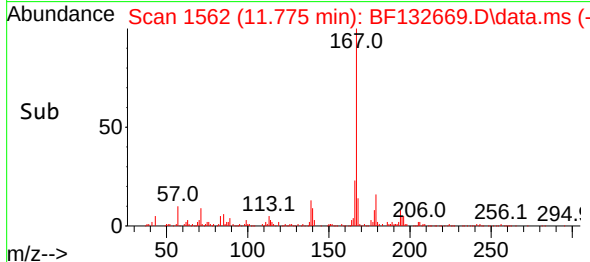
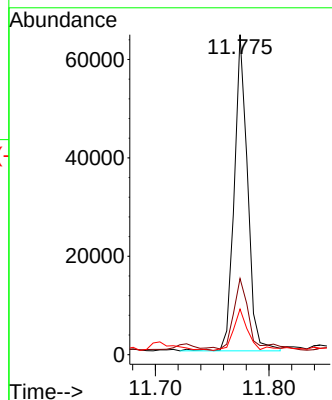
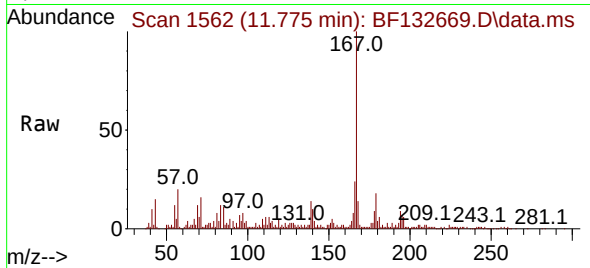




#73
 Carbazole
 Concen: 2.603 ng
 RT: 11.775 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132669.D
 Acq: 07 Mar 2023 02:00

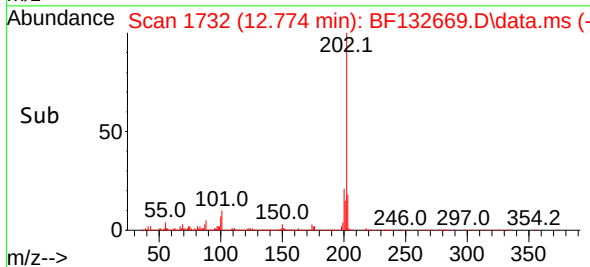
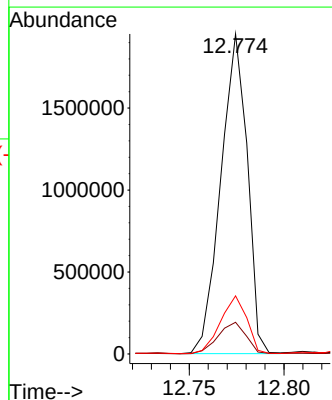
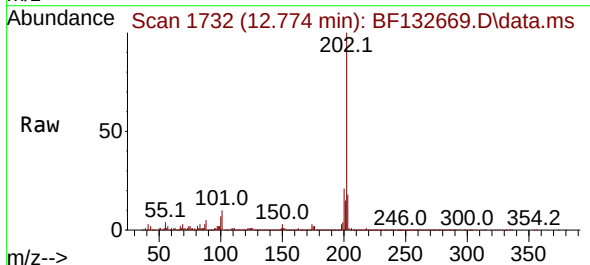
Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

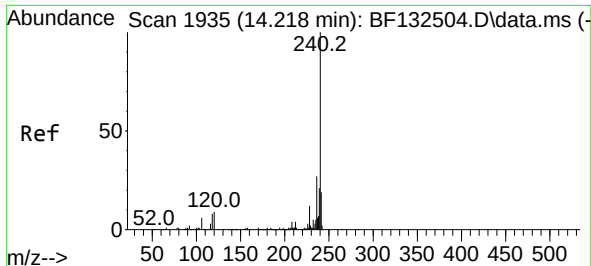
Tgt Ion:167 Resp: 52372
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.7 26.5
 139 14.2 10.5 15.7



#75
 Fluoranthene
 Concen: 79.933 ng
 RT: 12.774 min Scan# 1732
 Delta R.T. 0.003 min
 Lab File: BF132669.D
 Acq: 07 Mar 2023 02:00

Tgt Ion:202 Resp: 1893463
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.4
 203 18.1 0.0 38.0

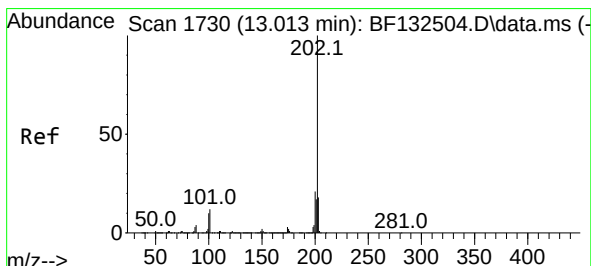
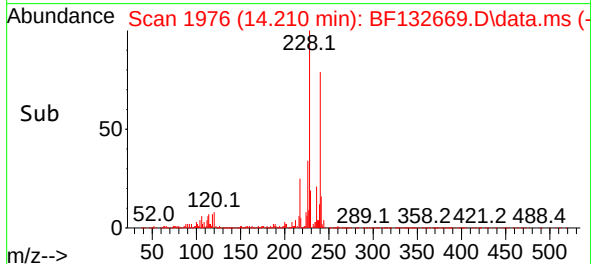
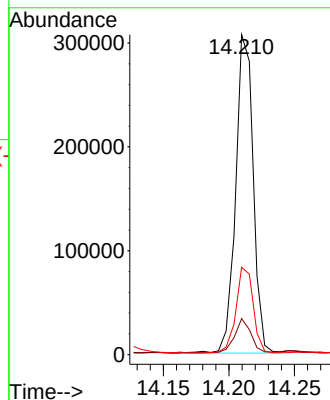
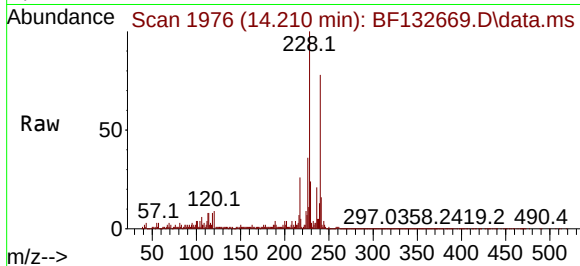




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.210 min Scan# 1935
Delta R.T. 0.003 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

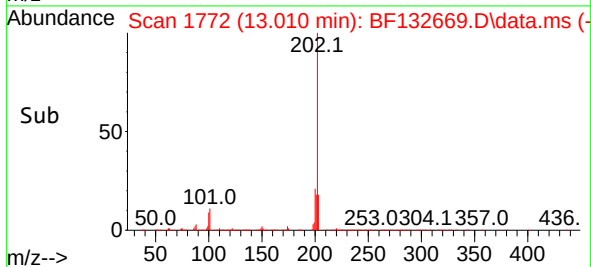
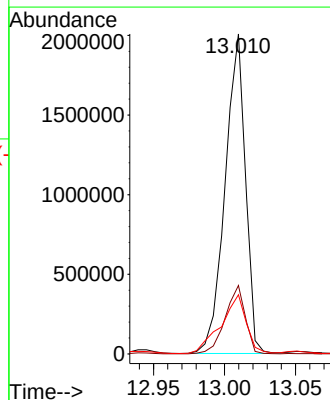
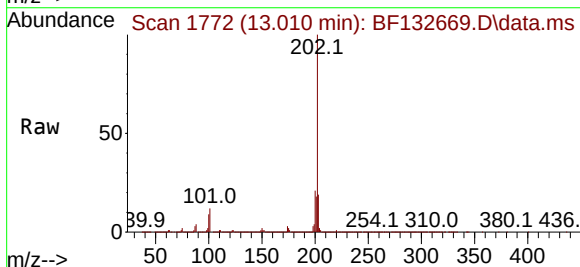
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

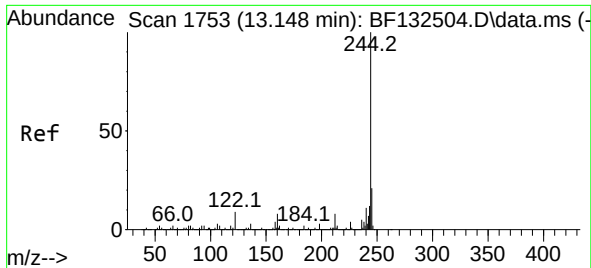
Tgt Ion:240 Resp: 286203
Ion Ratio Lower Upper
240 100
120 11.3 7.2 10.8#
236 27.3 21.8 32.6



#78
Pyrene
Concen: 76.815 ng
RT: 13.010 min Scan# 1772
Delta R.T. 0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:202 Resp: 1998793
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 66.284 ng

RT: 13.139 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

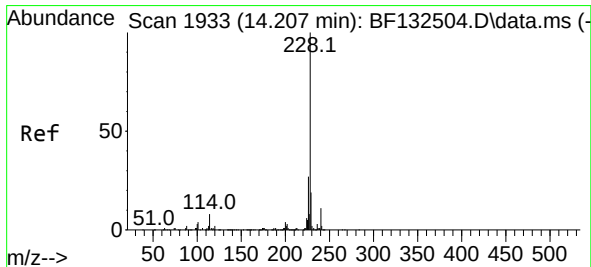
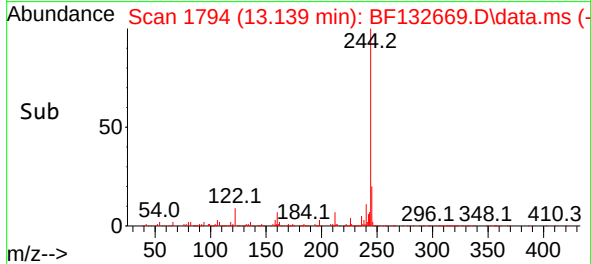
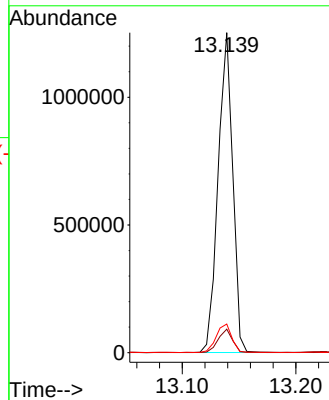
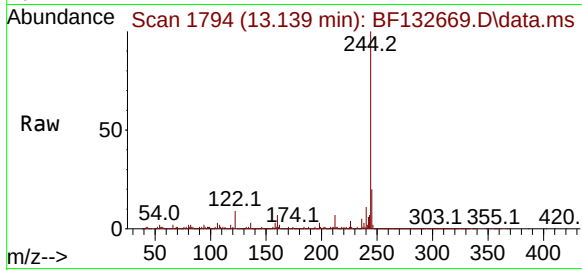
Tgt Ion:244 Resp: 1122031

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 9.0 7.5 11.3



#81

Benzo(a)anthracene

Concen: 47.571 ng

RT: 14.204 min Scan# 1975

Delta R.T. 0.009 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

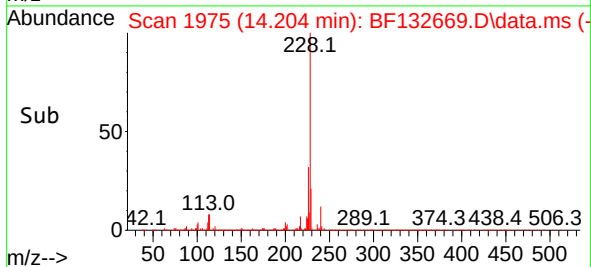
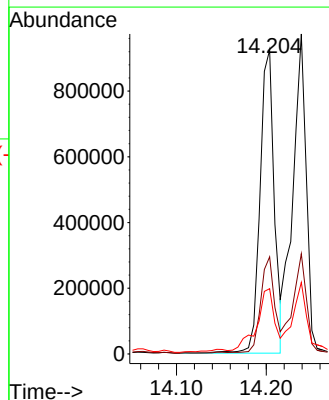
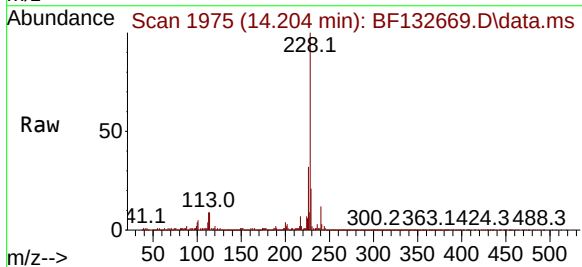
Tgt Ion:228 Resp: 1018698

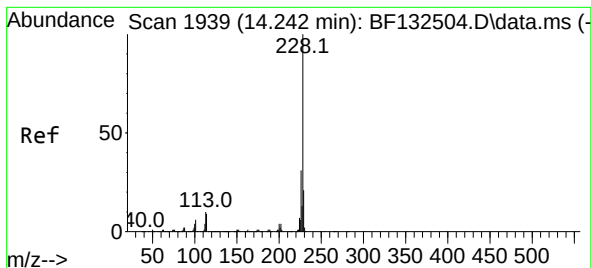
Ion Ratio Lower Upper

228 100

226 31.9 21.7 32.5

229 21.5 15.4 23.2





#83

Chrysene

Concen: 50.684 ng

RT: 14.239 min Scan# 1939

Delta R.T. 0.003 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

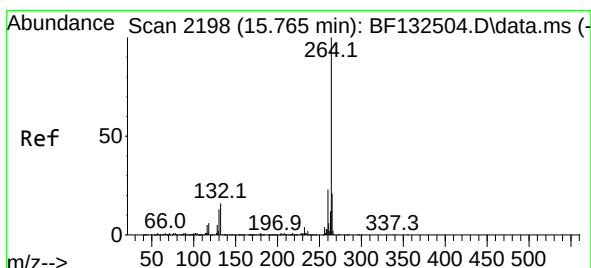
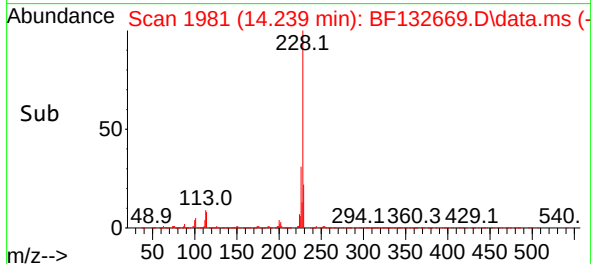
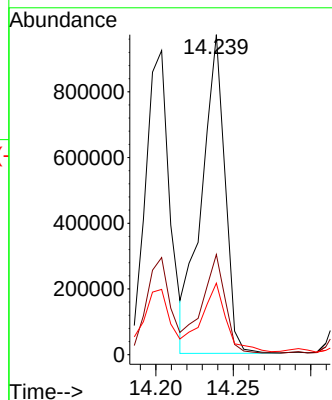
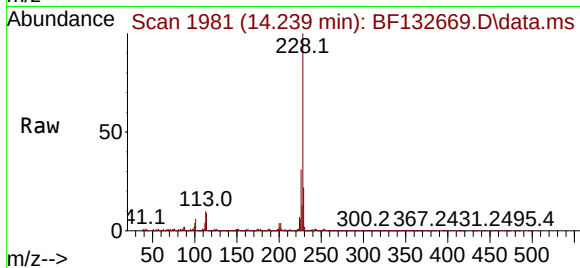
BNA_F

ClientSampleId :

PL-04-03032023

Tgt Ion:228 Resp: 1014952

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.4	16.4	24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.768 min Scan# 2241

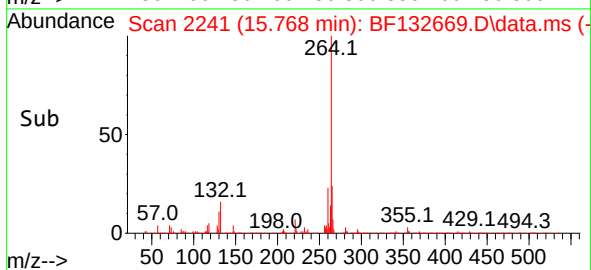
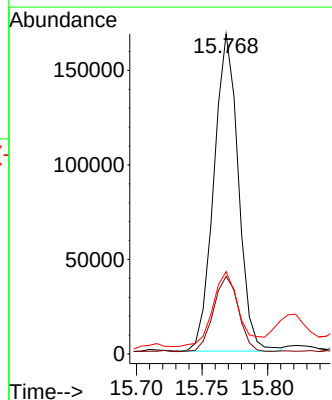
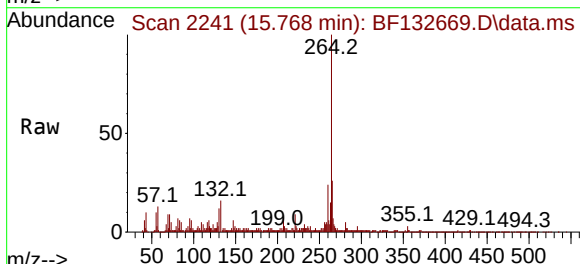
Delta R.T. 0.015 min

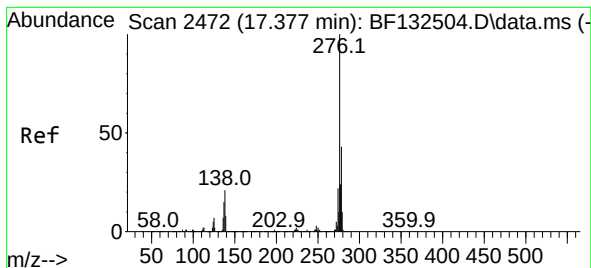
Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Tgt Ion:264 Resp: 217375

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	25.8	17.1	25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 30.820 ng

RT: 17.374 min Scan# 2162

Delta R.T. 0.015 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

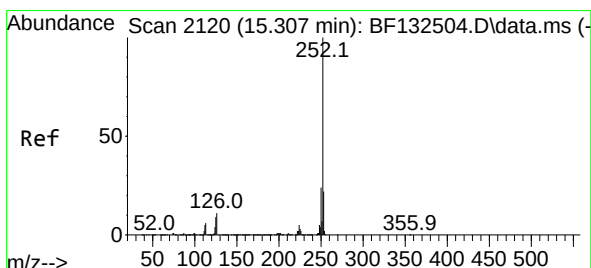
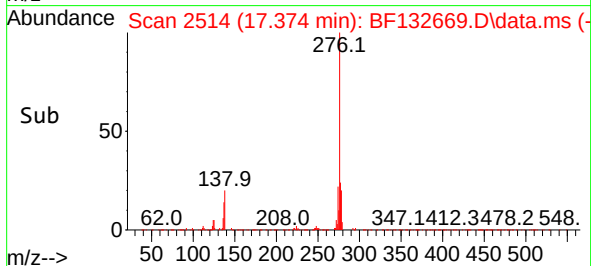
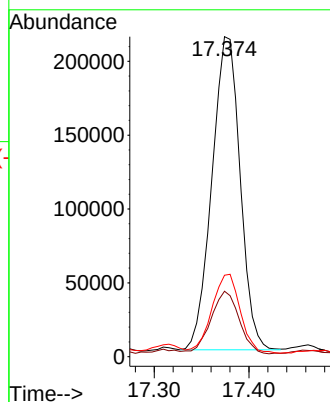
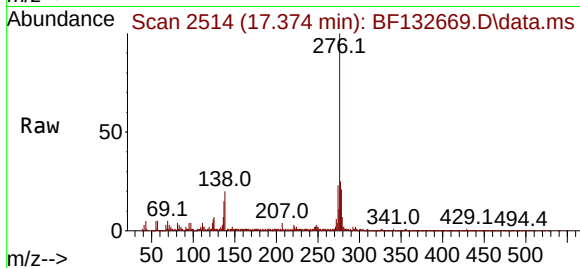
Tgt Ion:276 Resp: 438979

Ion Ratio Lower Upper

276 100

138 20.2 19.0 28.4

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 92.855 ng

RT: 15.304 min Scan# 2162

Delta R.T. 0.009 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

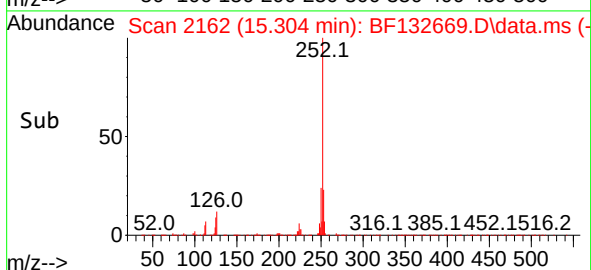
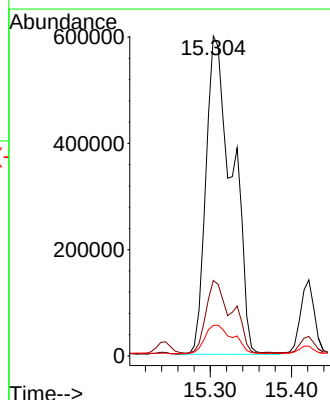
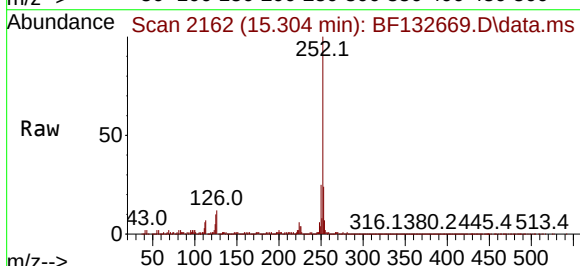
Tgt Ion:252 Resp: 1352656

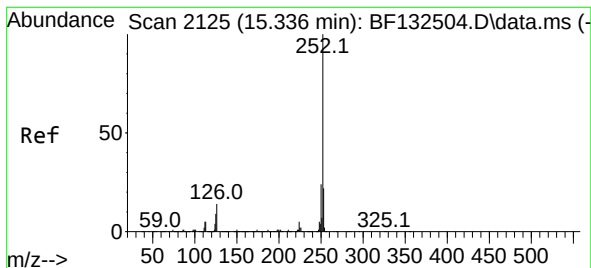
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 9.6 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 94.877 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.020 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

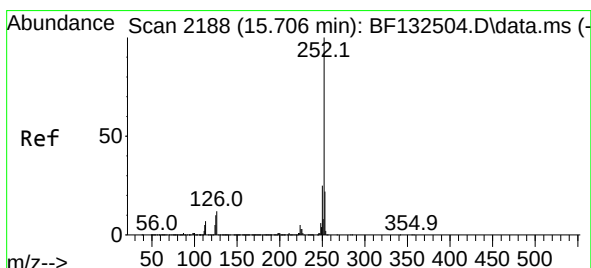
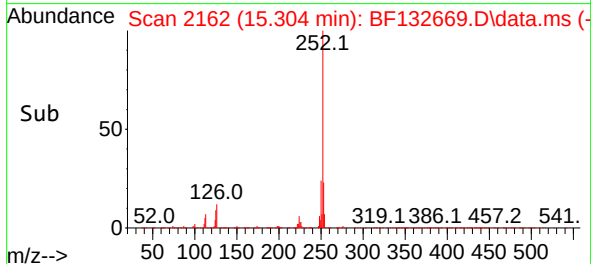
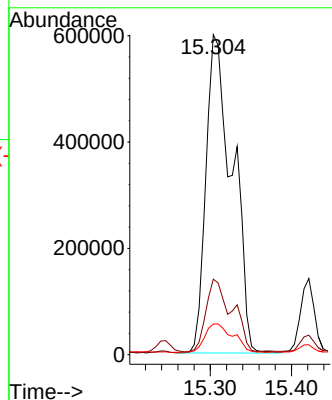
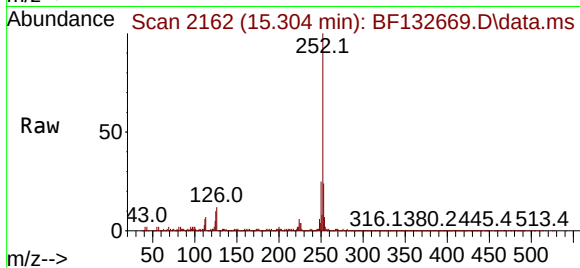
Tgt Ion:252 Resp: 1352656

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 9.6 7.2 10.8



#90

Benzo(a)pyrene

Concen: 51.768 ng

RT: 15.704 min Scan# 2230

Delta R.T. 0.015 min

Lab File: BF132669.D

Acq: 07 Mar 2023 02:00

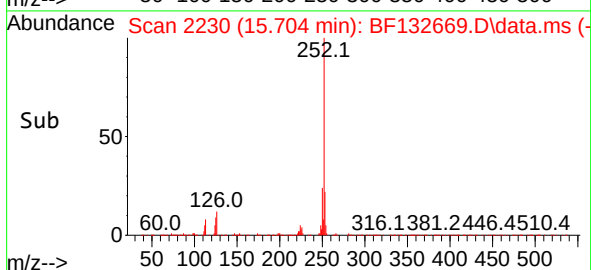
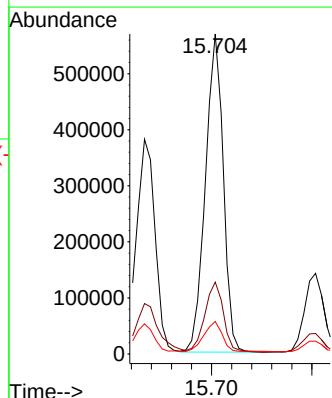
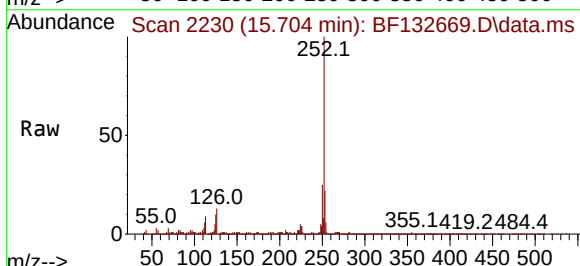
Tgt Ion:252 Resp: 705795

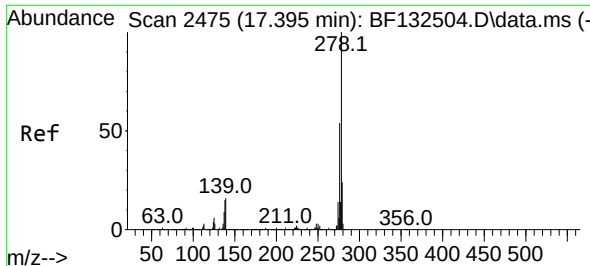
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 10.1 8.0 12.0

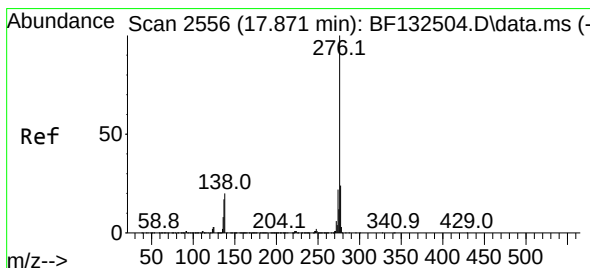
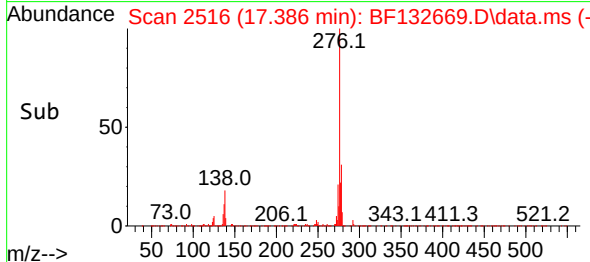
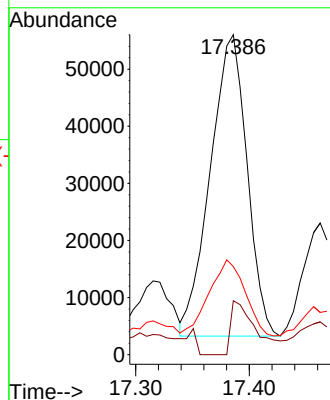
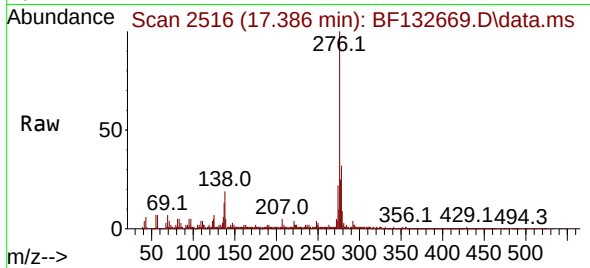




#91
Dibenzo(a,h)anthracene
Concen: 10.219 ng
RT: 17.386 min Scan# 21
Delta R.T. 0.009 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:278 Resp: 118595
Ion Ratio Lower Upper
278 100
139 16.9 13.0 19.4
279 27.6 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 34.826 ng
RT: 17.868 min Scan# 2598
Delta R.T. 0.015 min
Lab File: BF132669.D
Acq: 07 Mar 2023 02:00

Tgt Ion:276 Resp: 450731
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 20.5 16.2 24.4

