

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133014.D
 Acq On : 25 Apr 2023 00:55
 Operator : CG\JU
 Sample : 02464-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-91

Quant Time: Apr 25 02:16:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

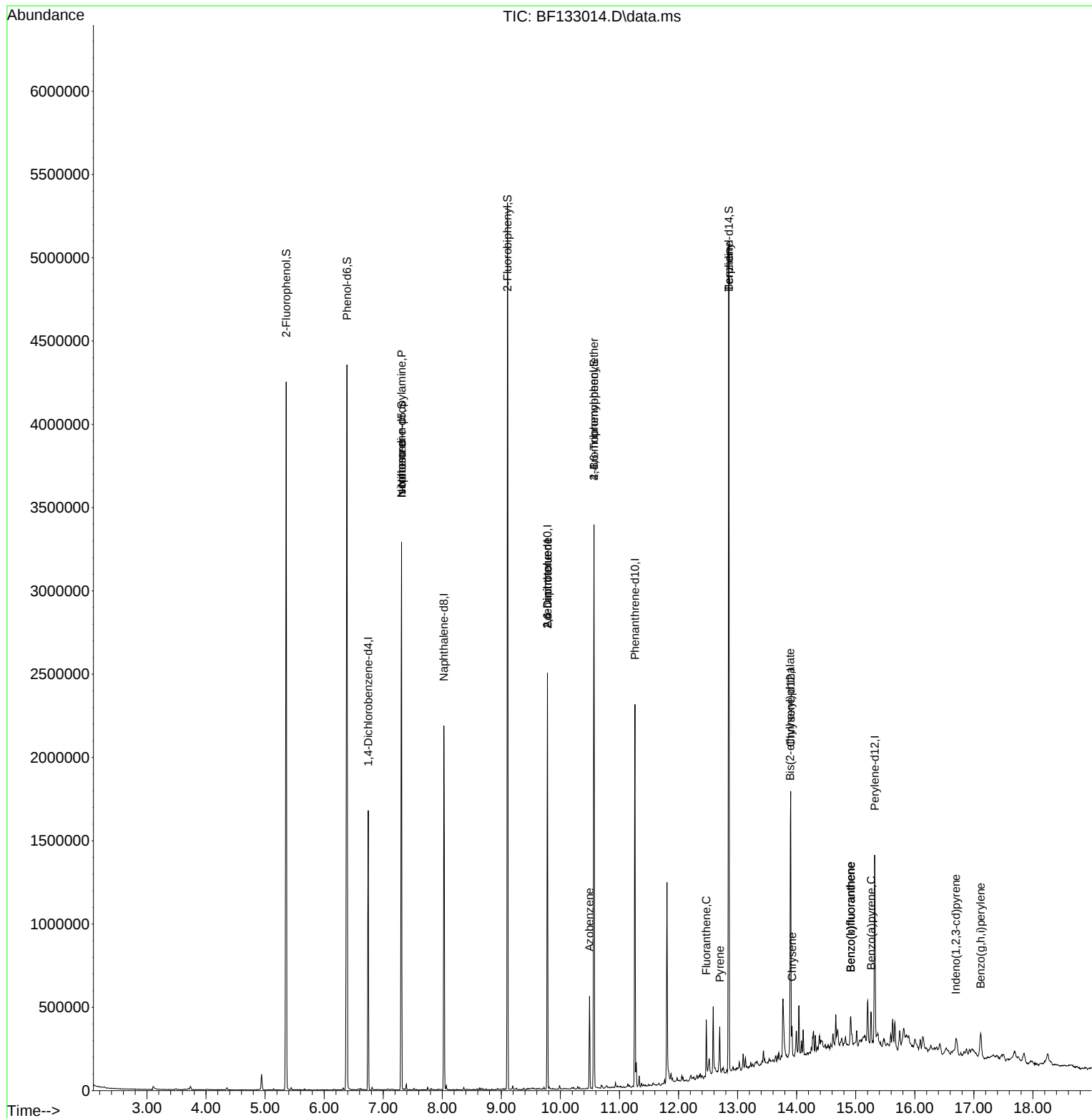
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	209082	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	838513	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	420752	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	743868	20.000	ng	0.00
76) Chrysene-d12	13.898	240	441723	20.000	ng	-0.01
86) Perylene-d12	15.321	264	470471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1230841	88.928	ng	0.00
7) Phenol-d6	6.387	99	1580487	91.999	ng	0.00
23) Nitrobenzene-d5	7.310	82	945424	60.859	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	413136	97.634	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1586683	63.090	ng	-0.01
79) Terphenyl-d14	12.851	244	1694492	66.160	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.293	77	348	Below Cal		Qvalue 93
19) n-Nitroso-di-n-propyla...	7.310	70	124132	11.606	ng	# 78
25) Isophorone	7.310	82	944311	32.016	ng	# 63
51) 2,6-Dinitrotoluene	9.781	165	54251	8.216	ng	# 25
57) 2,4-Dinitrotoluene	9.781	165	54251	6.442	ng	# 23
63) Azobenzene	10.492	77	83685	2.851	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	25249	3.130	ng	# 1
75) Fluoranthene	12.469	202	118147	2.944	ng	99
77) Benzidine	12.851	184	20502	2.745	ng	# 91
78) Pyrene	12.698	202	105506	2.786	ng	99
83) Chrysene	13.922	228	64174	2.113	ng	97
84) Bis(2-ethylhexyl)phtha...	13.892	149	46674	2.773	ng	97
87) Indeno(1,2,3-cd)pyrene	16.698	276	54296	2.029	ng	# 88
88) Benzo(b)fluoranthene	14.916	252	106645	3.563	ng	# 96
89) Benzo(k)fluoranthene	14.916	252	106645	3.594	ng	# 97
90) Benzo(a)pyrene	15.263	252	79881	2.932	ng	98
92) Benzo(g,h,i)perylene	17.115	276	101580	4.610	ng	99

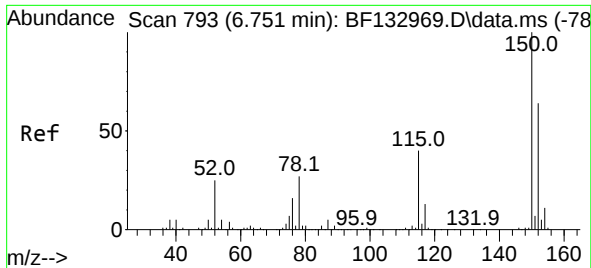
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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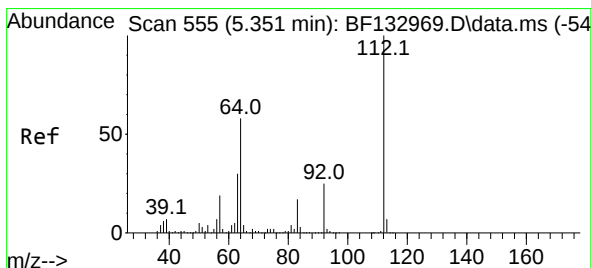
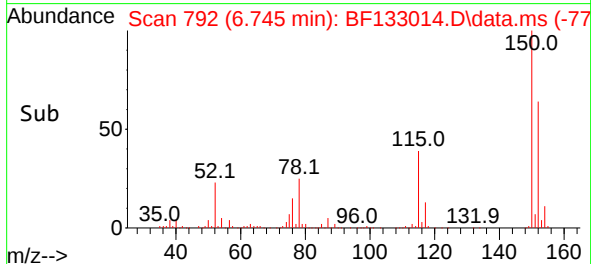
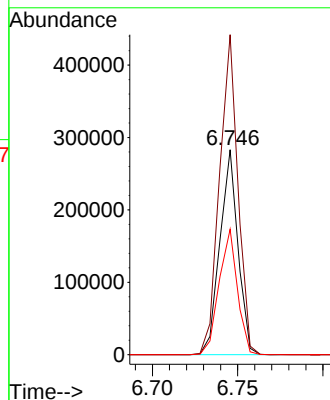
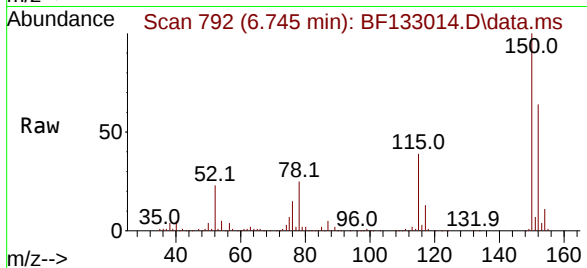




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133014.D
 Acq: 25 Apr 2023 00:55

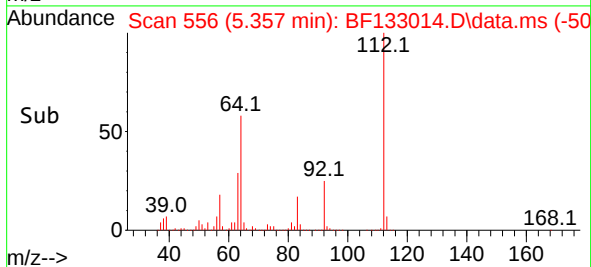
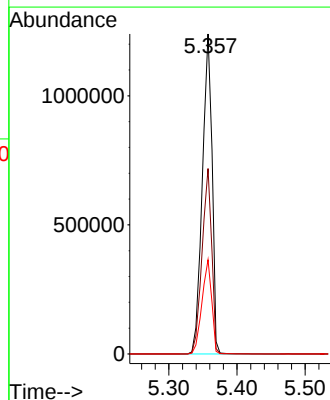
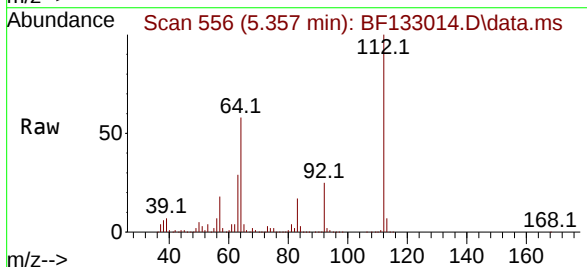
Instrument :
 BNA_F
 ClientSampleId :
 MH-91

Tgt Ion:152 Resp: 209082
 Ion Ratio Lower Upper
 152 100
 150 156.2 124.8 187.2
 115 61.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 88.928 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF133014.D
 Acq: 25 Apr 2023 00:55

Tgt Ion:112 Resp: 1230841
 Ion Ratio Lower Upper
 112 100
 64 58.0 46.8 70.2
 63 29.4 23.8 35.8



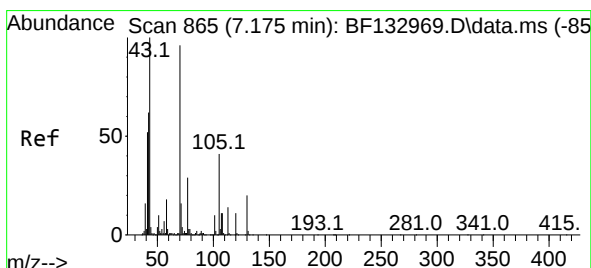
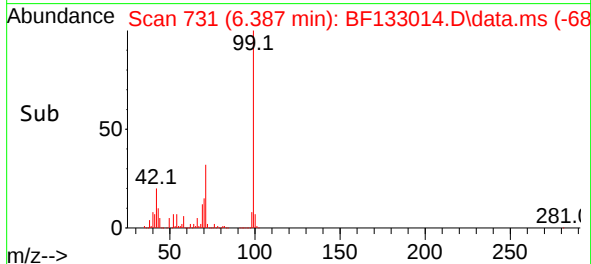
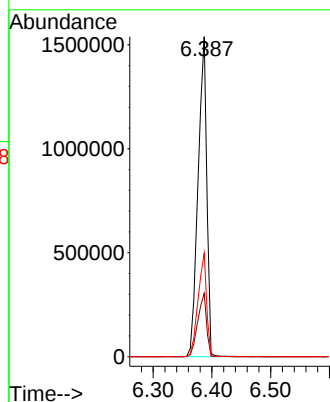
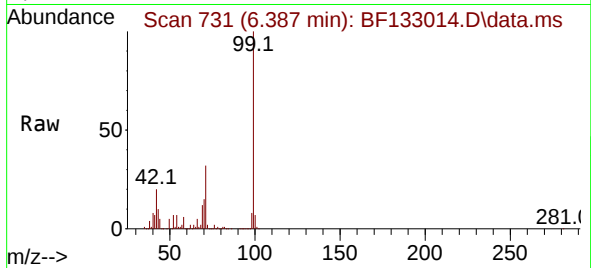


#7
Phenol-d6
Concen: 91.999 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Instrument :
BNA_F
ClientSampleId :
MH-91

Tgt Ion: 99 Resp: 1580487

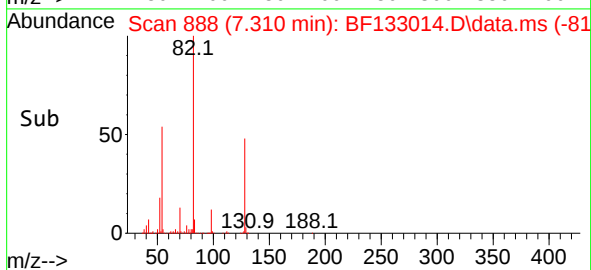
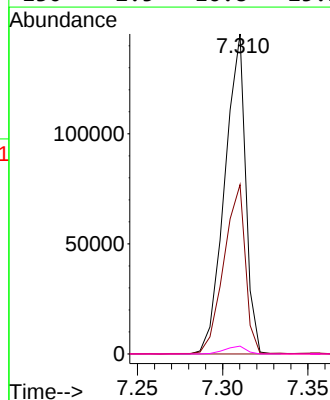
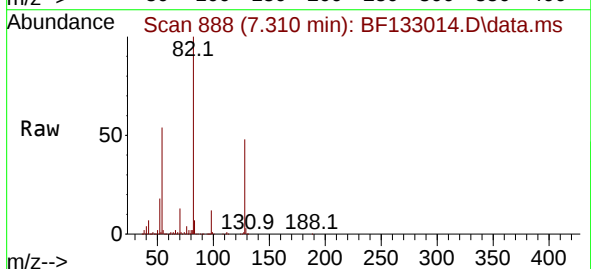
Ion	Ratio	Lower	Upper
99	100		
42	19.8	16.3	24.5
71	32.4	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.606 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion: 70 Resp: 124132

Ion	Ratio	Lower	Upper
70	100		
42	52.9	51.8	77.6
101	0.0	8.0	12.0#
130	2.5	16.8	25.2#

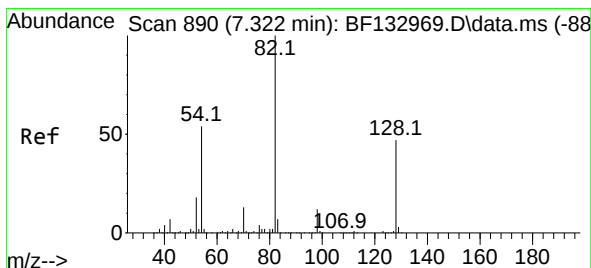
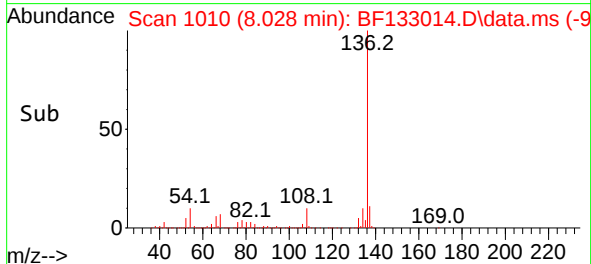
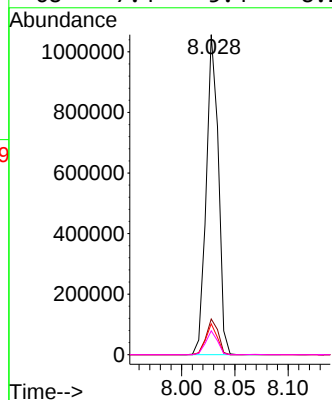
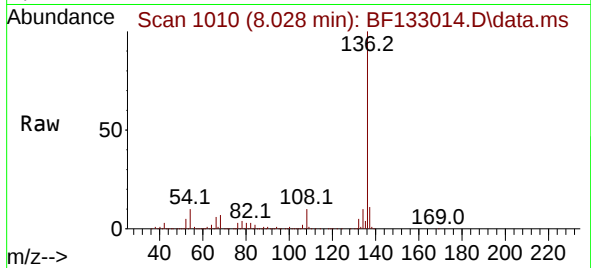




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

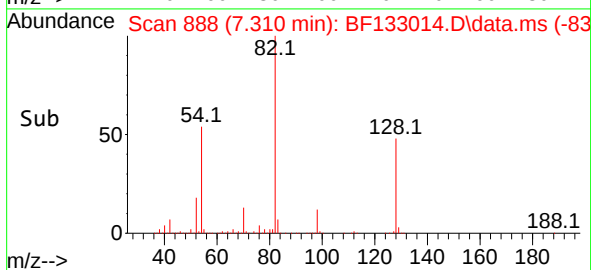
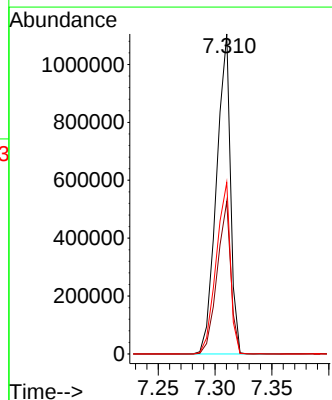
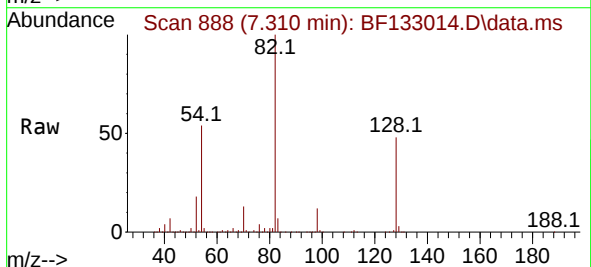
Instrument :
BNA_F
ClientSampleId :
MH-91

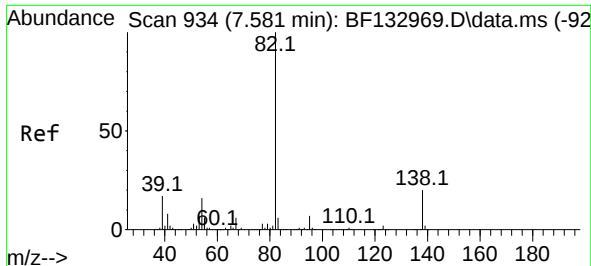
Tgt Ion:136 Resp: 838513
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.6 7.0 10.4
68 7.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 60.859 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion: 82 Resp: 945424
Ion Ratio Lower Upper
82 100
128 47.7 37.7 56.5
54 53.6 43.0 64.4

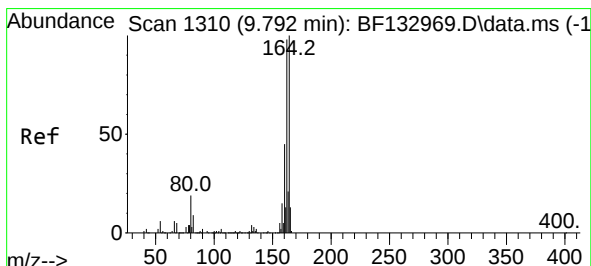
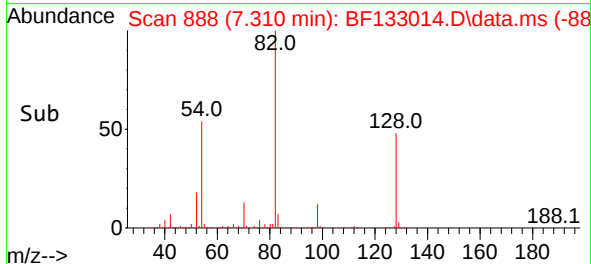
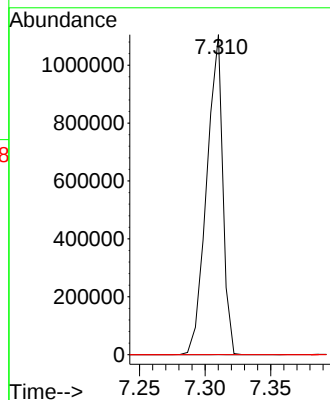
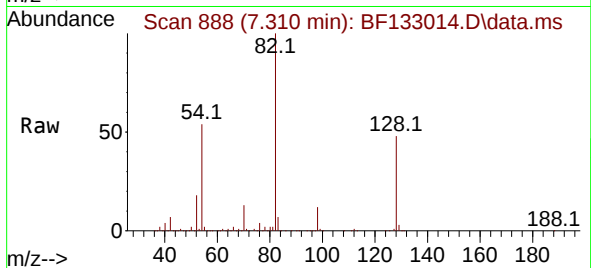




#25
Isophorone
Concen: 32.016 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

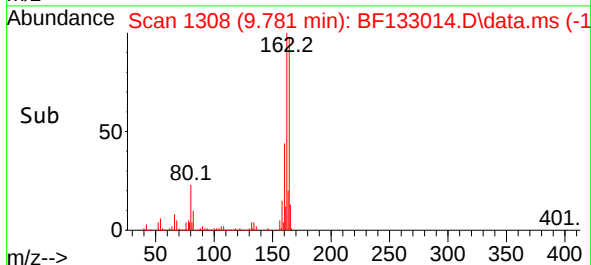
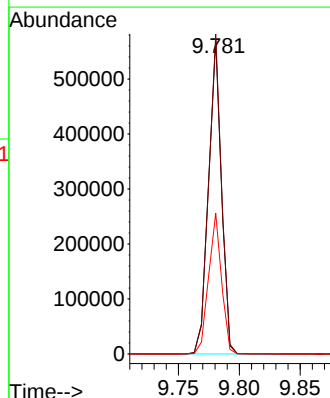
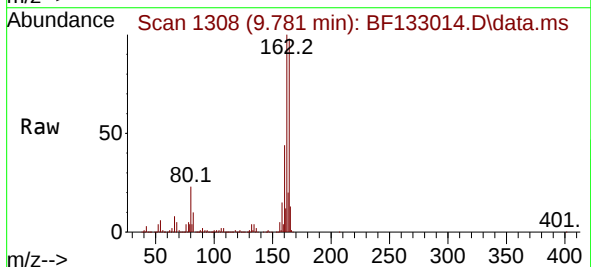
Instrument :
BNA_F
ClientSampleId :
MH-91

Tgt Ion: 82 Resp: 944311
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:164 Resp: 420752
Ion Ratio Lower Upper
164 100
162 102.0 78.7 118.1
160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 97.634 ng

RT: 10.569 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

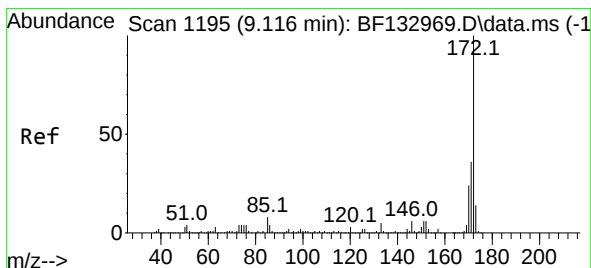
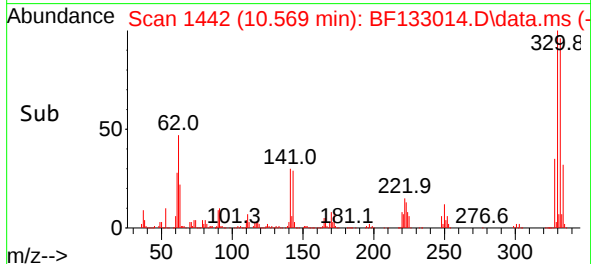
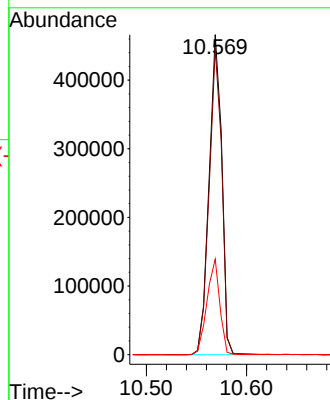
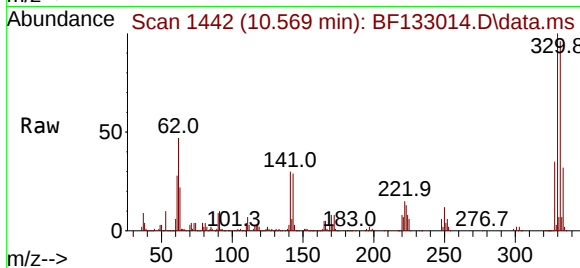
Tgt Ion:330 Resp: 413136

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

141 30.1 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 63.090 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

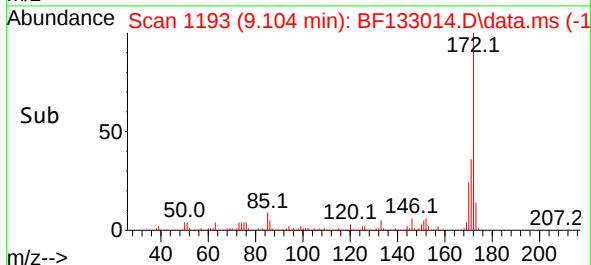
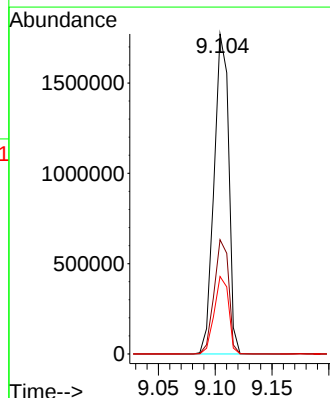
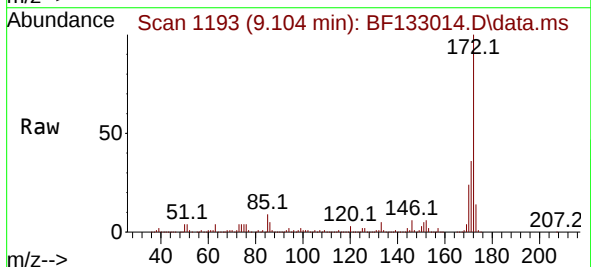
Tgt Ion:172 Resp: 1586683

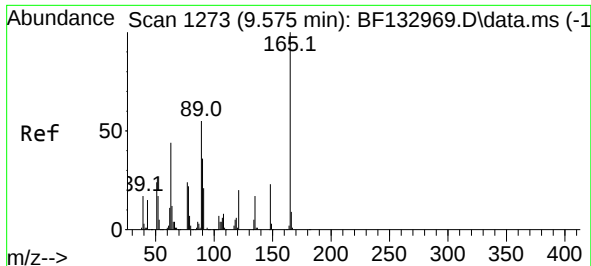
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 24.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.216 ng

RT: 9.781 min Scan# 1308

Delta R.T. 0.206 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

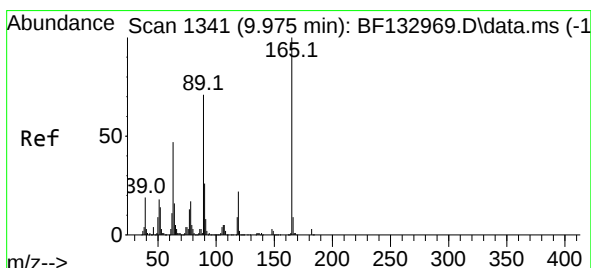
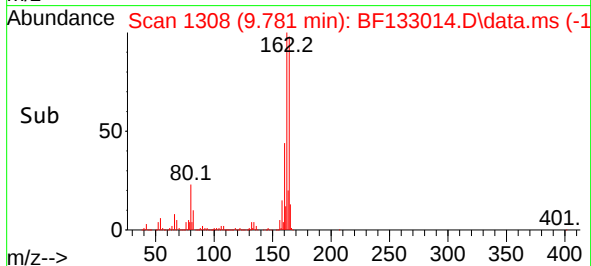
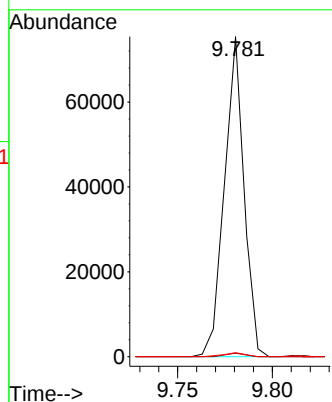
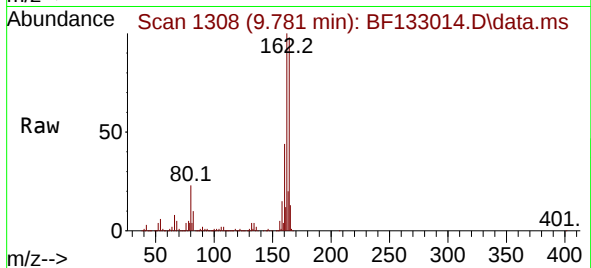
Tgt Ion:165 Resp: 54251

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.3 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.442 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.194 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Tgt Ion:165 Resp: 54251

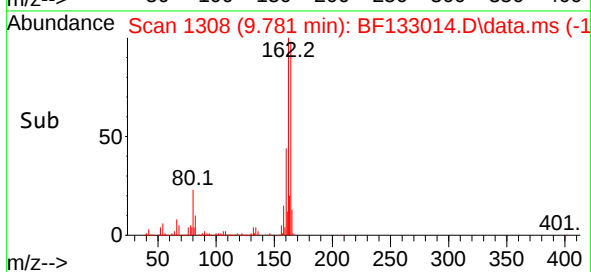
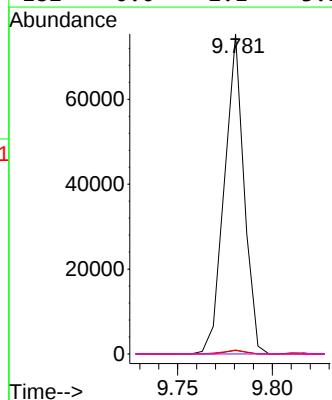
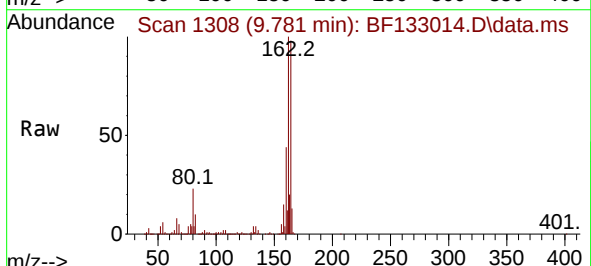
Ion Ratio Lower Upper

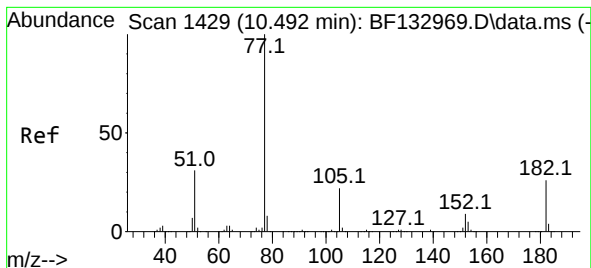
165 100

63 1.1 37.7 56.5#

89 1.3 57.0 85.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.851 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.000 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

Tgt Ion: 77 Resp: 83685

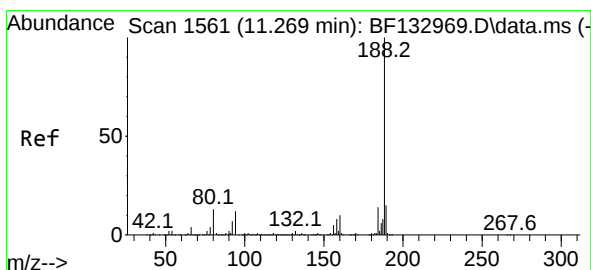
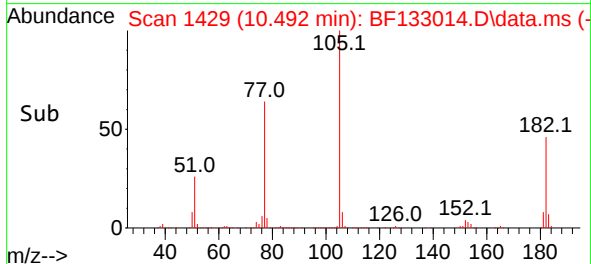
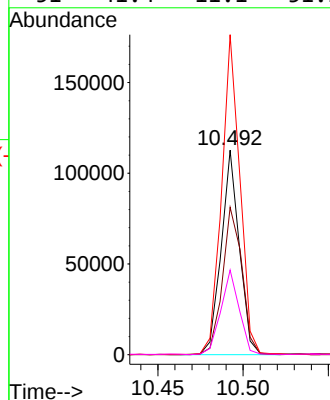
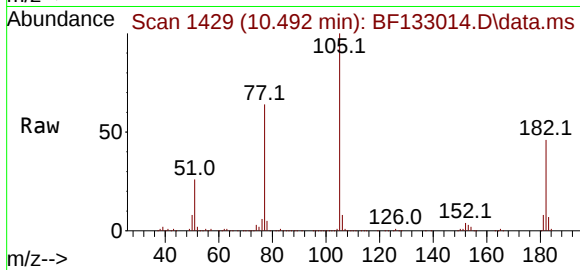
Ion Ratio Lower Upper

77 100

182 72.1 5.9 45.9#

105 156.5 2.3 42.3#

51 41.4 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

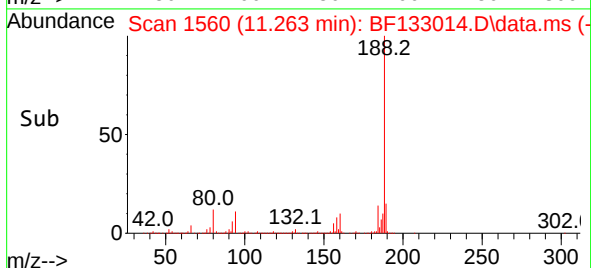
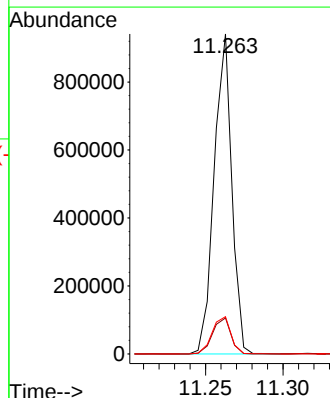
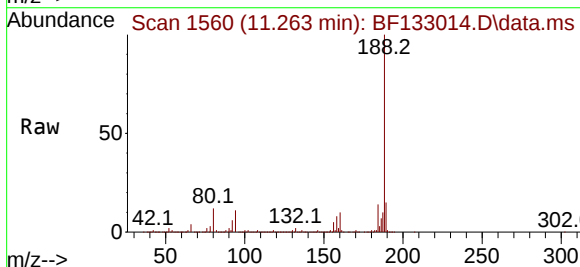
Tgt Ion: 188 Resp: 743868

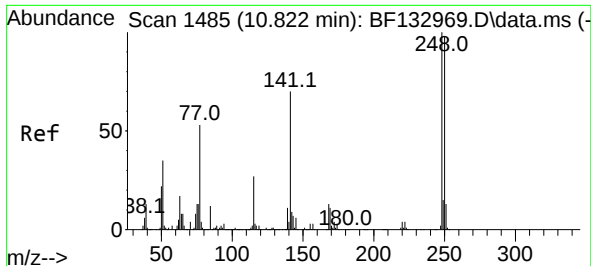
Ion Ratio Lower Upper

188 100

94 11.2 9.7 14.5

80 11.6 10.4 15.6

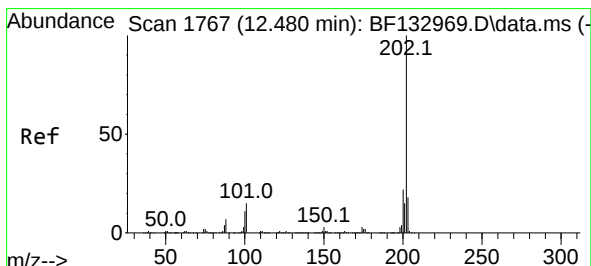
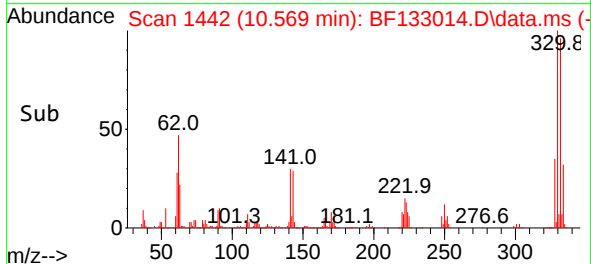
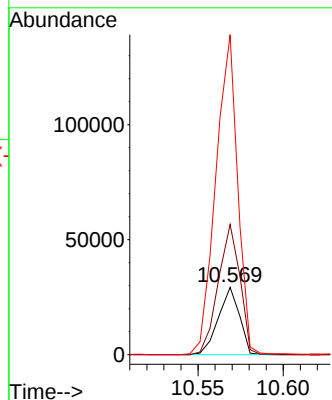
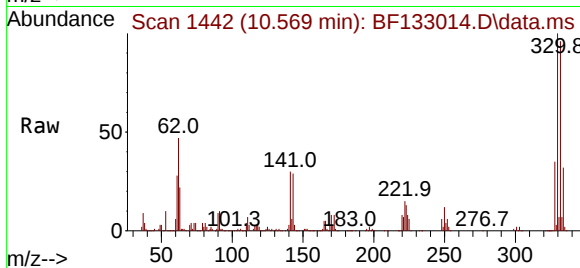




#67
4-Bromophenyl-phenylether
Concen: 3.130 ng
RT: 10.569 min Scan# 1485
Delta R.T. -0.253 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

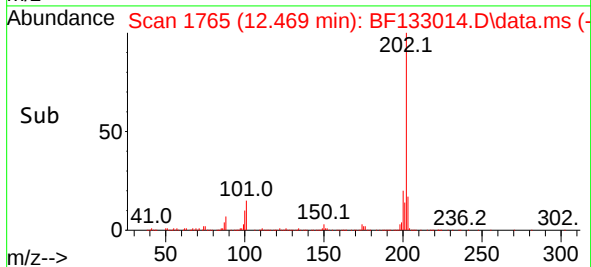
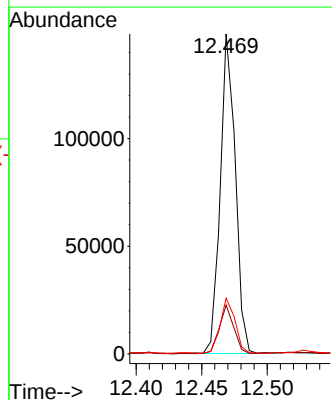
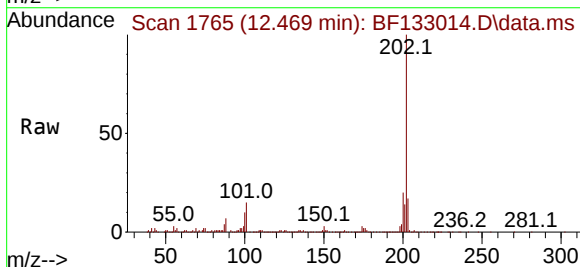
Instrument :
BNA_F
ClientSampleId :
MH-91

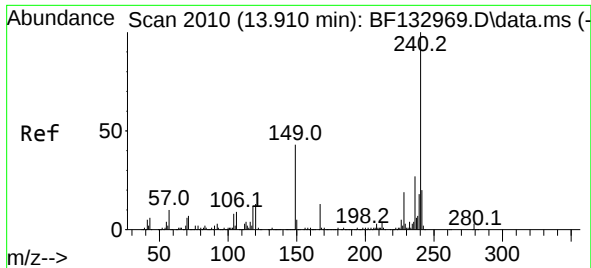
Tgt Ion:248 Resp: 25249
Ion Ratio Lower Upper
248 100
250 193.3 78.7 118.1#
141 474.8 56.3 84.5#



#75
Fluoranthene
Concen: 2.944 ng
RT: 12.469 min Scan# 1765
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:202 Resp: 118147
Ion Ratio Lower Upper
202 100
101 15.3 0.0 35.3
203 17.4 0.0 38.1

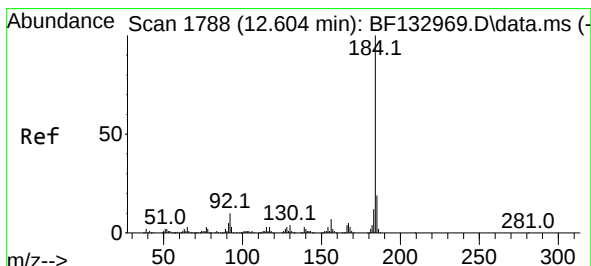
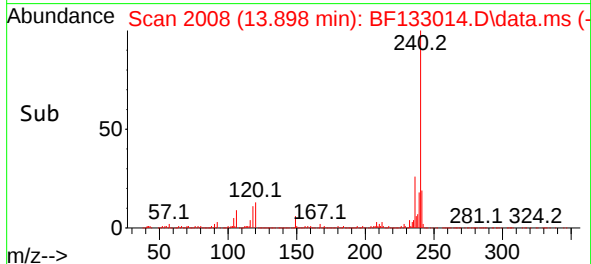
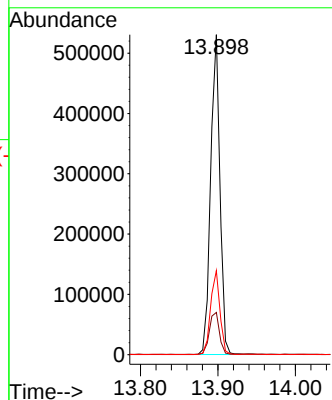
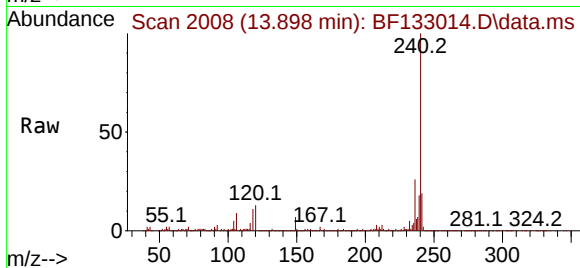




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

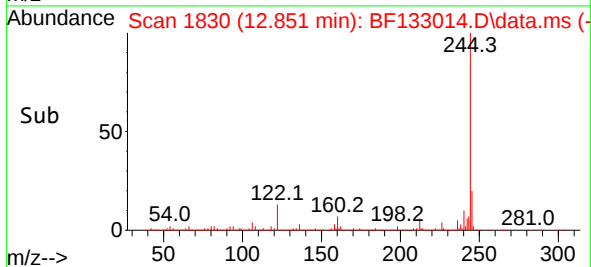
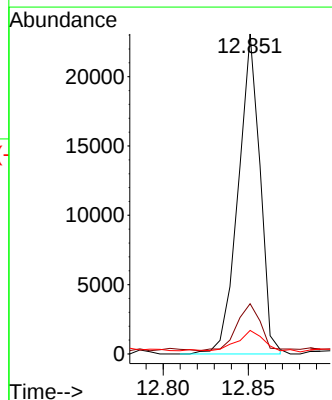
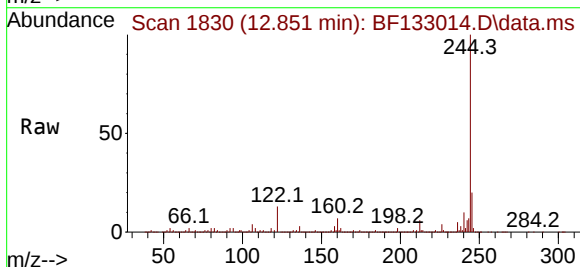
Instrument :
BNA_F
ClientSampleId :
MH-91

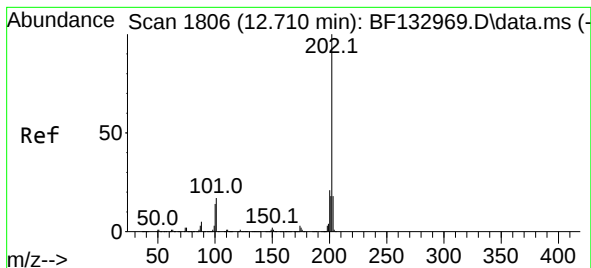
Tgt Ion:240 Resp: 441723
Ion Ratio Lower Upper
240 100
120 13.2 10.5 15.7
236 26.3 21.5 32.3



#77
Benzidine
Concen: 2.745 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.247 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:184 Resp: 20502
Ion Ratio Lower Upper
184 100
185 15.7 15.4 23.2
183 7.4 9.4 14.0#





#78

Pyrene

Concen: 2.786 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

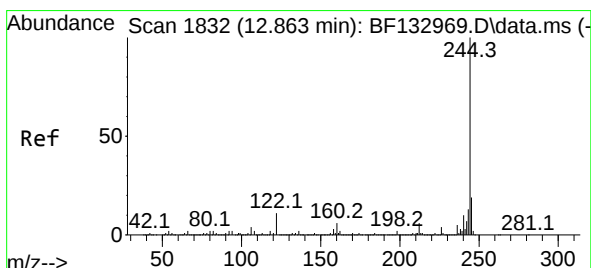
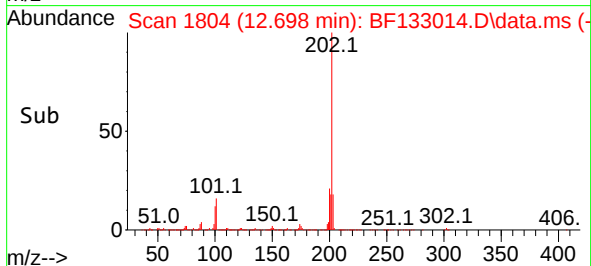
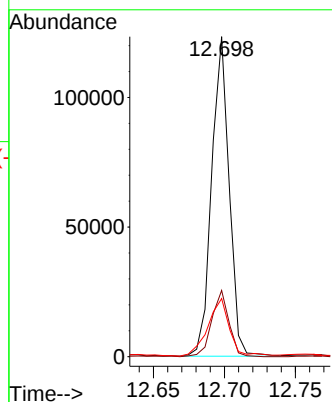
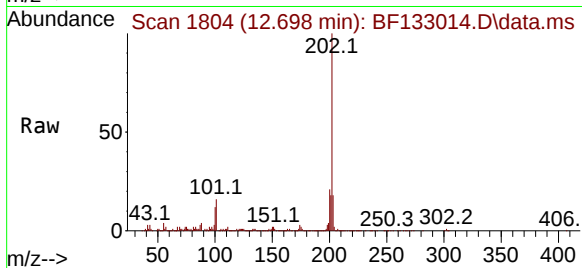
Tgt Ion:202 Resp: 105506

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 66.160 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

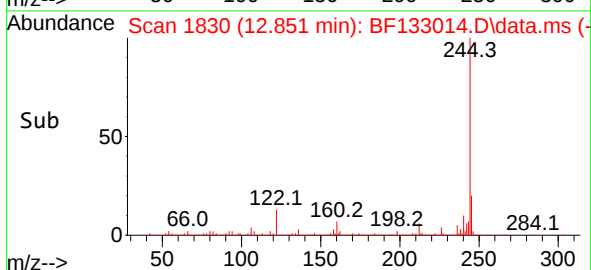
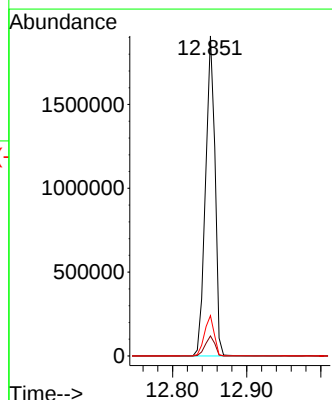
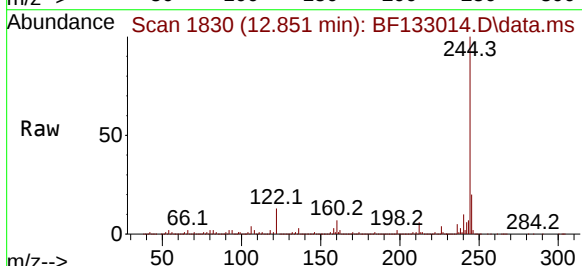
Tgt Ion:244 Resp: 1694492

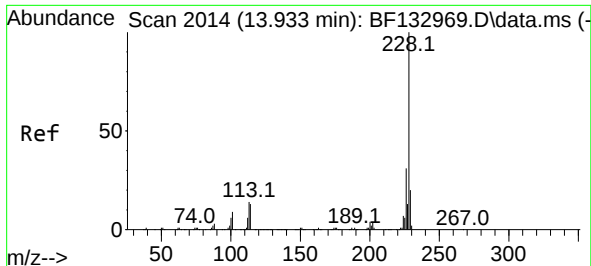
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 12.6 8.6 13.0

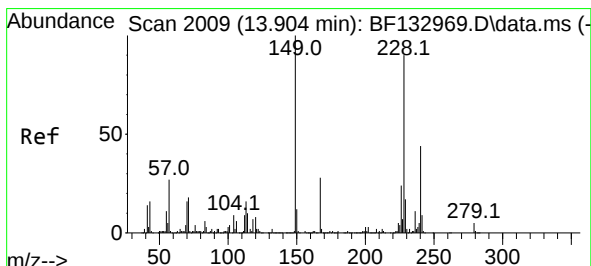
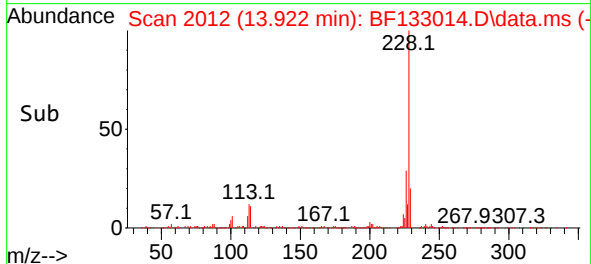
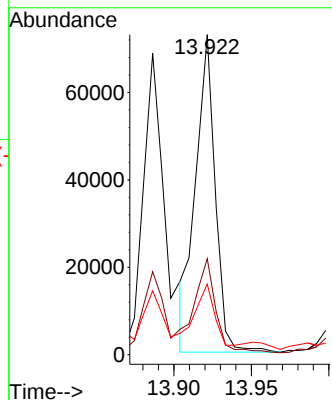
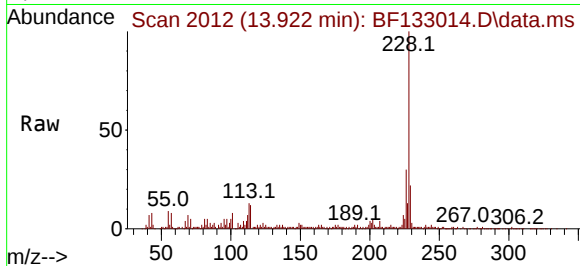




#83
Chrysene
Concen: 2.113 ng
RT: 13.922 min Scan# 2007
Delta R.T. -0.011 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

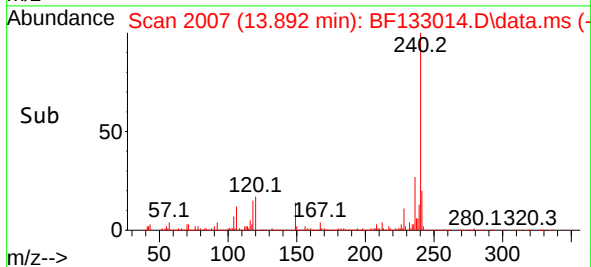
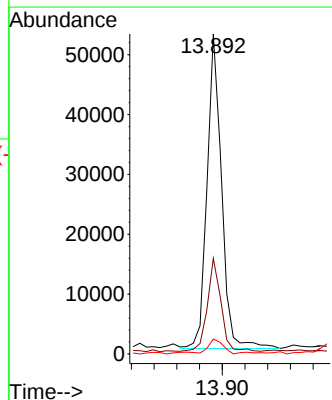
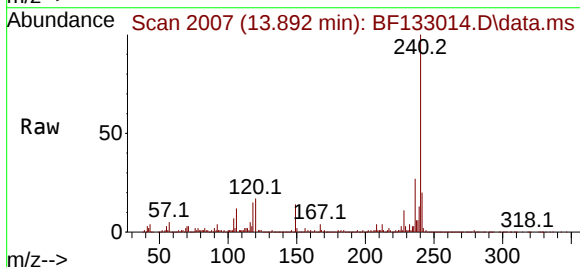
Instrument :
BNA_F
ClientSampleId :
MH-91

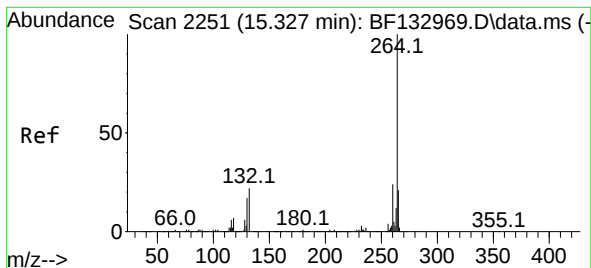
Tgt Ion:228 Resp: 64174
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.1 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.773 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:149 Resp: 46674
Ion Ratio Lower Upper
149 100
167 29.9 22.5 33.7
279 4.6 4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

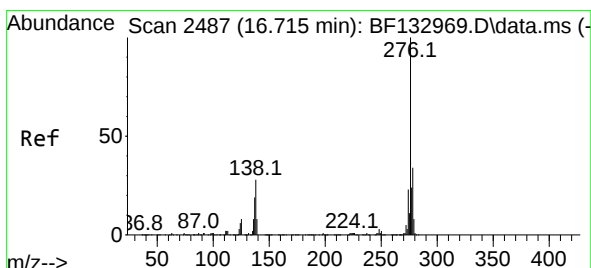
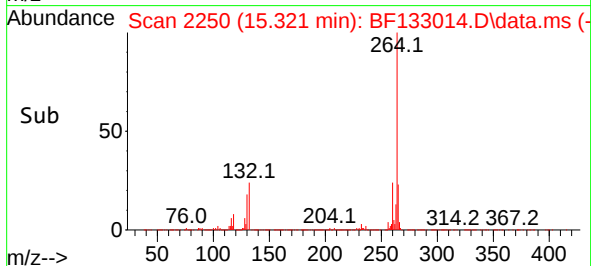
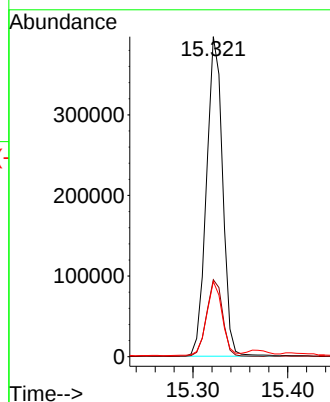
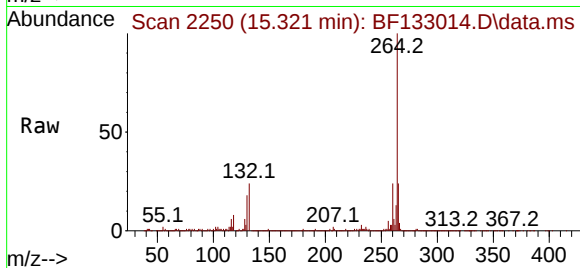
Tgt Ion:264 Resp: 470471

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 23.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.029 ng

RT: 16.698 min Scan# 2484

Delta R.T. -0.018 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

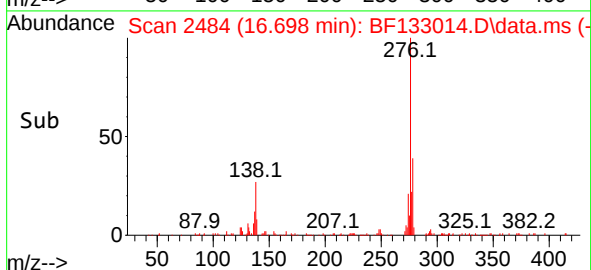
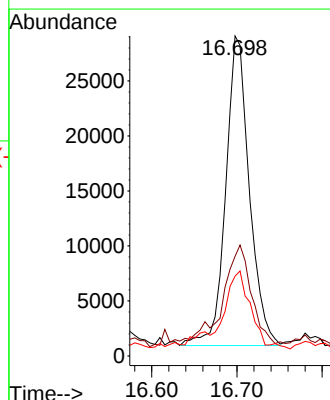
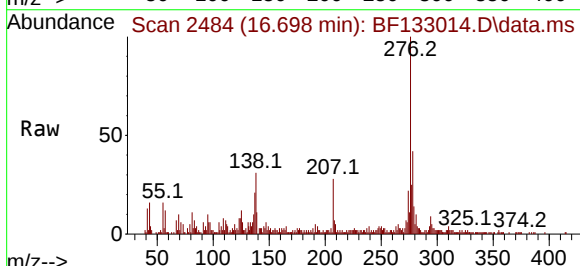
Tgt Ion:276 Resp: 54296

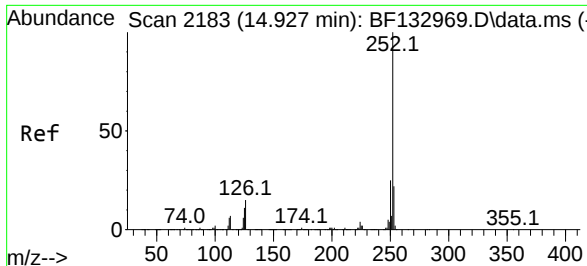
Ion Ratio Lower Upper

276 100

138 37.8 25.5 38.3

277 32.6 20.4 30.6#

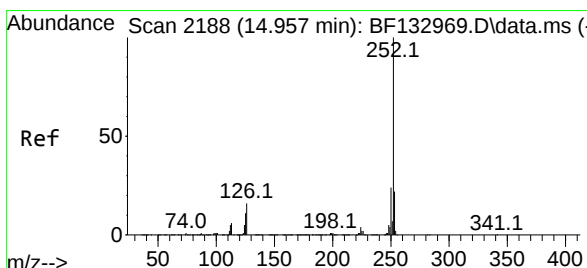
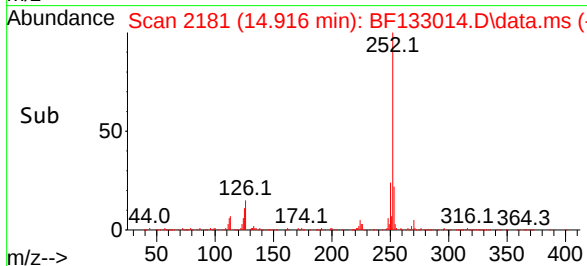
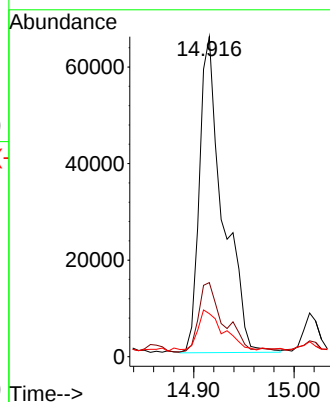
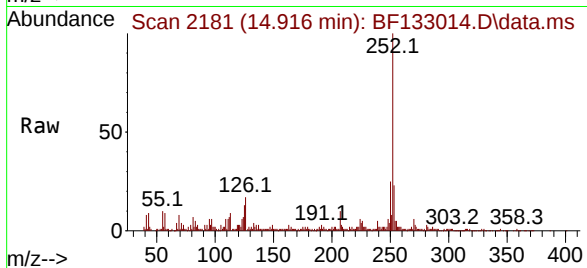




#88
Benzo(b)fluoranthene
Concen: 3.563 ng
RT: 14.916 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

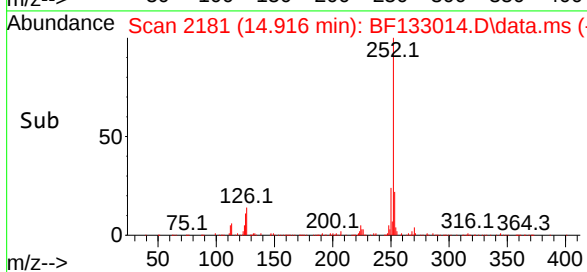
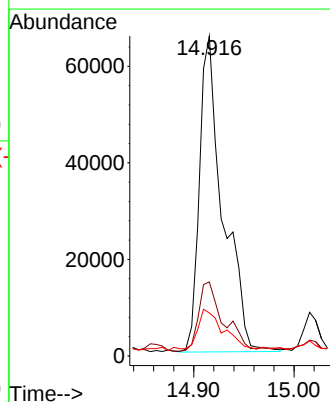
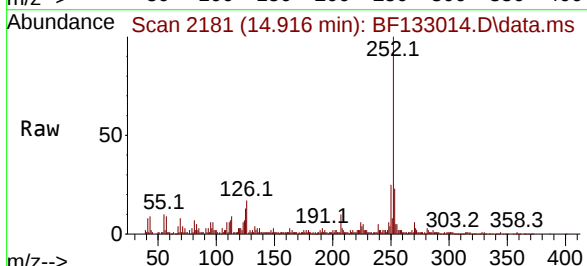
Instrument :
BNA_F
ClientSampleId :
MH-91

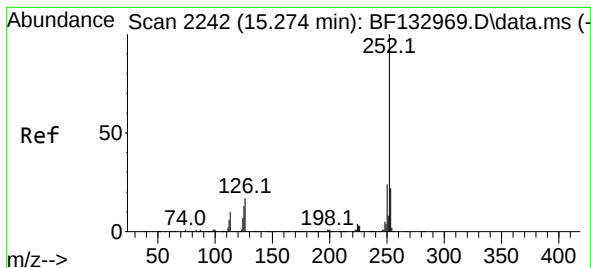
Tgt Ion:252 Resp: 106645
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.5 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 3.594 ng
RT: 14.916 min Scan# 2181
Delta R.T. -0.041 min
Lab File: BF133014.D
Acq: 25 Apr 2023 00:55

Tgt Ion:252 Resp: 106645
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.5 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.932 ng

RT: 15.263 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Instrument :

BNA_F

ClientSampleId :

MH-91

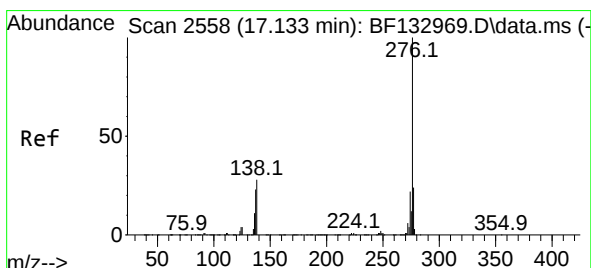
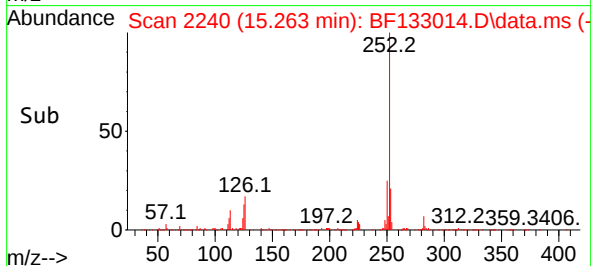
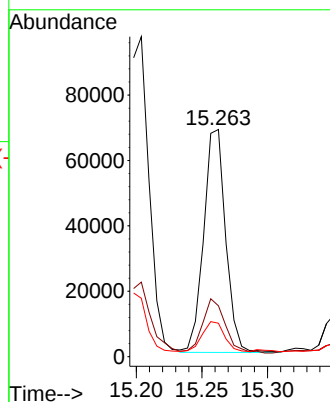
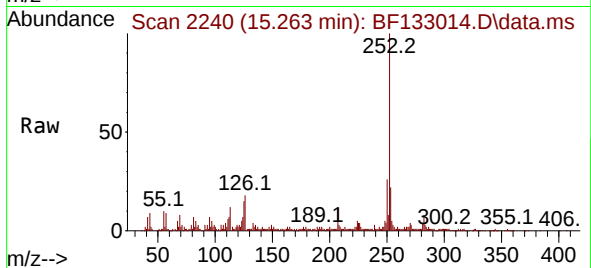
Tgt Ion:252 Resp: 79881

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 14.8 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 4.610 ng

RT: 17.115 min Scan# 2555

Delta R.T. -0.018 min

Lab File: BF133014.D

Acq: 25 Apr 2023 00:55

Tgt Ion:276 Resp: 101580

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 29.4 22.7 34.1

