

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133252.D
 Acq On : 05 May 2023 02:15
 Operator : CG\JU
 Sample : 02588-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-0-3-05022023

Quant Time: May 05 05:35:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

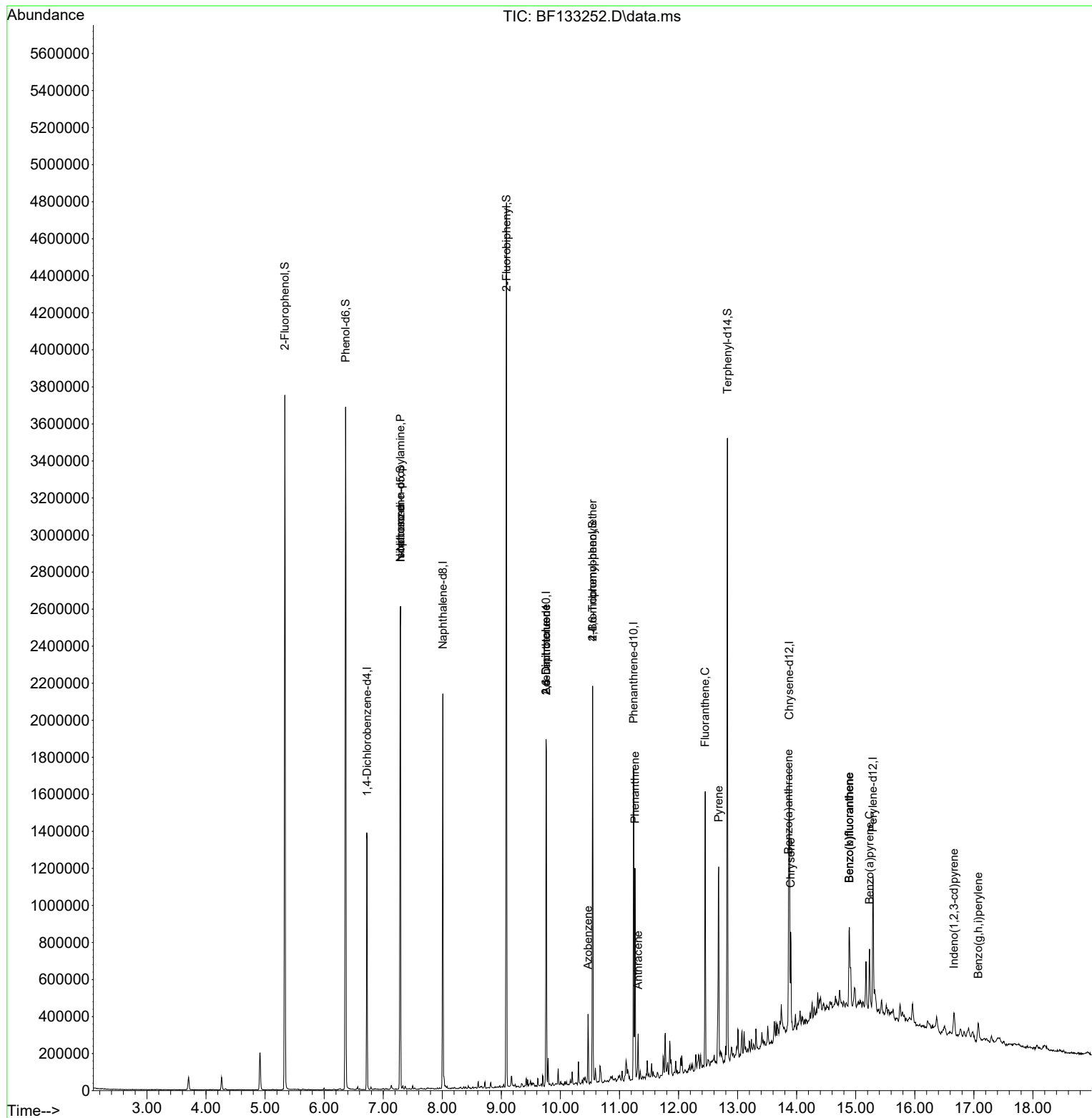
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	205441	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	806018	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	380384	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	568065	20.000	ng	0.00
76) Chrysene-d12	13.874	240	380604	20.000	ng	-0.01
86) Perylene-d12	15.292	264	311589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1071663	78.800	ng	0.00
7) Phenol-d6	6.363	99	1349198	79.927	ng	-0.01
23) Nitrobenzene-d5	7.293	82	823734	55.163	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	217150	56.764	ng	-0.01
45) 2-Fluorobiphenyl	9.087	172	1330955	58.538	ng	0.00
79) Terphenyl-d14	12.828	244	1044888	47.348	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	1575	Below Cal		91
19) n-Nitroso-di-n-propyla...	7.293	70	110110	10.478 ng	#	77
25) Isophorone	7.293	82	821053	28.959 ng	#	63
51) 2,6-Dinitrotoluene	9.757	165	50497	8.459 ng	#	24
57) 2,4-Dinitrotoluene	9.757	165	50497	6.633 ng	#	23
63) Azobenzene	10.469	77	53600	2.020 ng	#	1
67) 4-Bromophenyl-phenylether	10.545	248	13942	2.263 ng	#	1
71) Phenanthrene	11.263	178	374831	12.277 ng		99
72) Anthracene	11.316	178	84647	2.709 ng		97
75) Fluoranthene	12.451	202	521010	17.003 ng		97
78) Pyrene	12.680	202	451282	13.832 ng		99
81) Benzo(a)anthracene	13.863	228	214790	8.207 ng		97
83) Chrysene	13.898	228	209633	8.012 ng		98
87) Indeno(1,2,3-cd)pyrene	16.663	276	75744	4.274 ng		95
88) Benzo(b)fluoranthene	14.892	252	294048	14.834 ng	#	94
89) Benzo(k)fluoranthene	14.892	252	294048	14.964 ng		95
90) Benzo(a)pyrene	15.233	252	144204	7.992 ng		98
92) Benzo(g,h,i)perylene	17.074	276	68812	4.715 ng		99

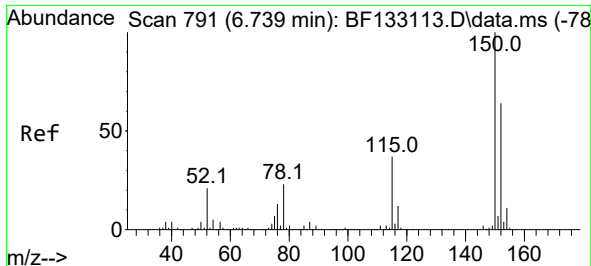
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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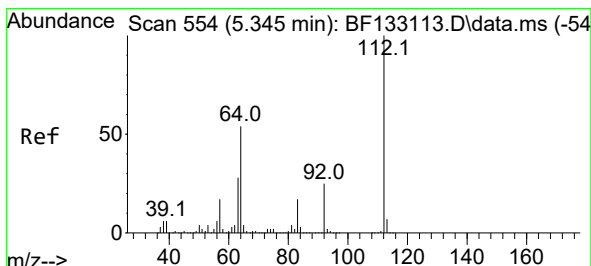
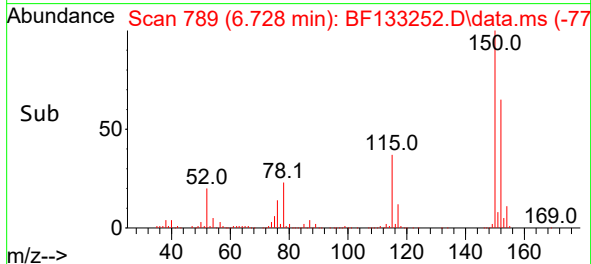
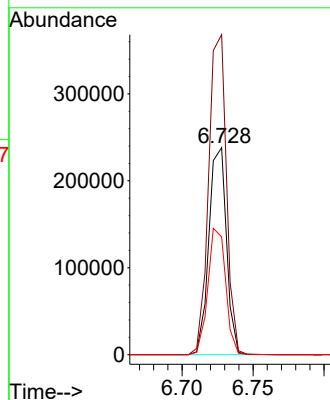
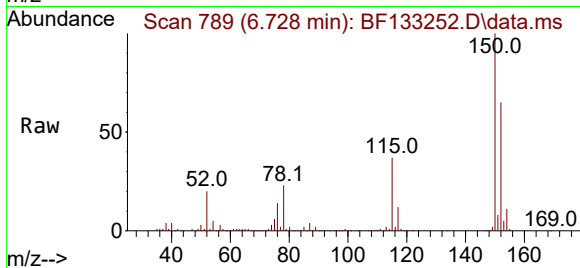




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

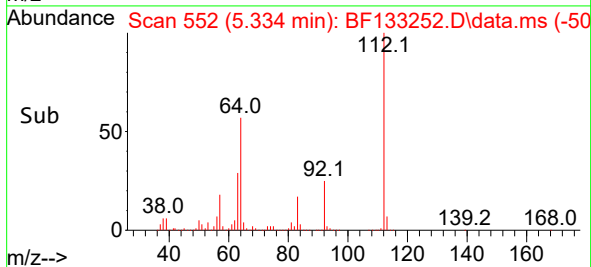
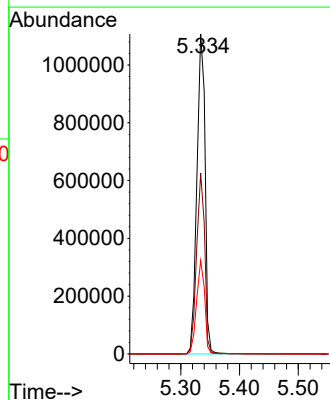
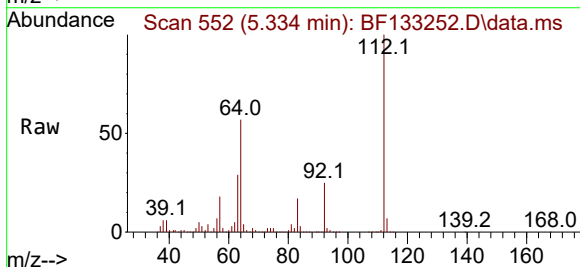
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-0-3-05022023

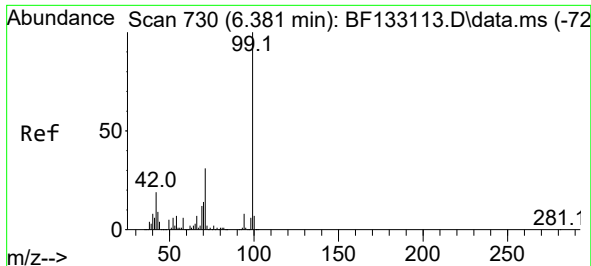
Tgt Ion:152 Resp: 205441
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.8 187.2
 115 56.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 78.800 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

Tgt Ion:112 Resp: 1071663
 Ion Ratio Lower Upper
 112 100
 64 56.5 46.8 70.2
 63 29.2 23.8 35.8

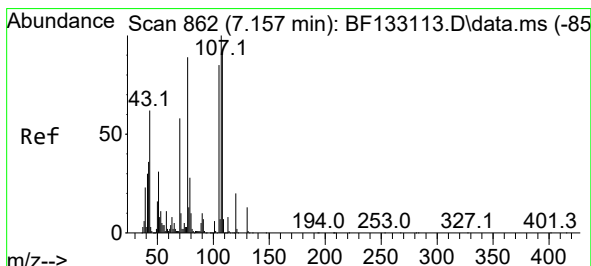
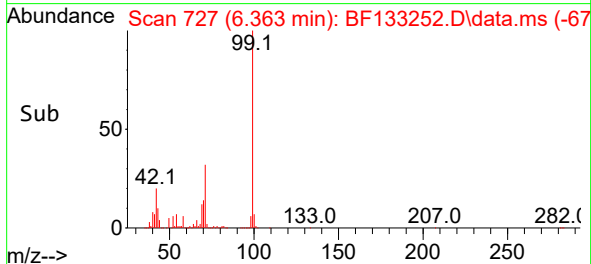
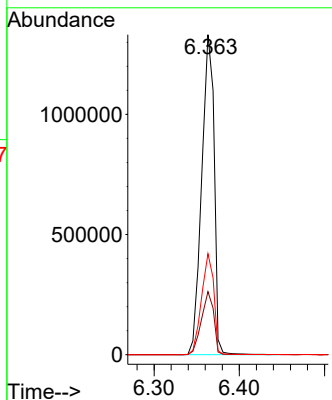
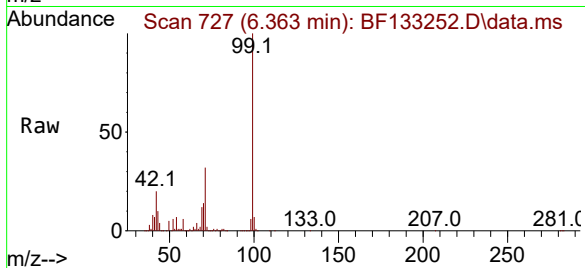




#7
Phenol-d6
Concen: 79.927 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

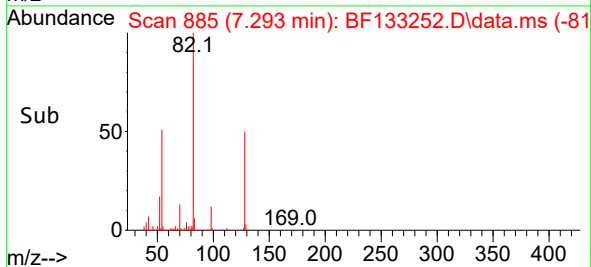
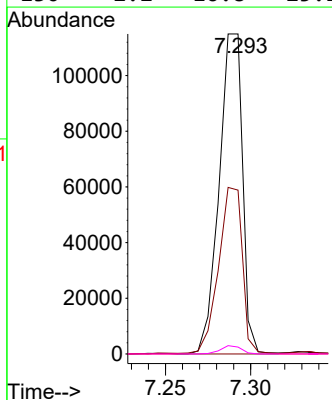
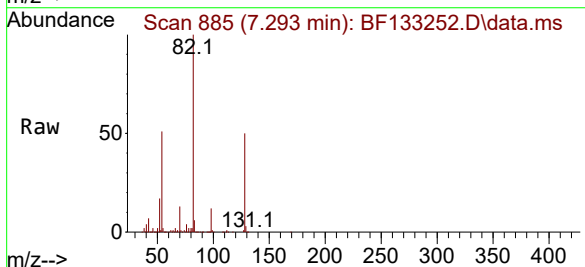
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023

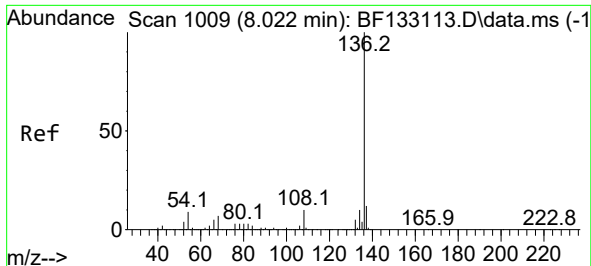
Tgt Ion: 99 Resp: 1349198
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.478 ng
RT: 7.293 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion: 70 Resp: 110110
Ion Ratio Lower Upper
70 100
42 51.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

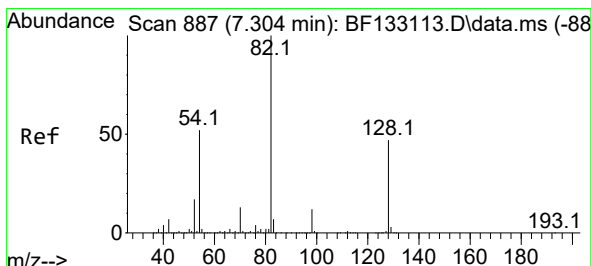
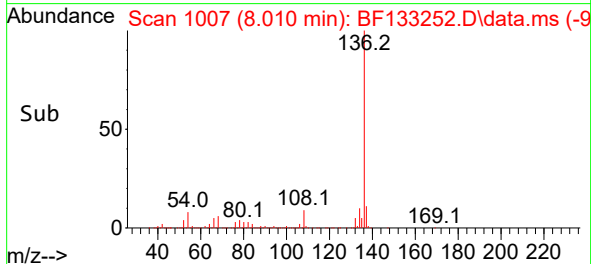
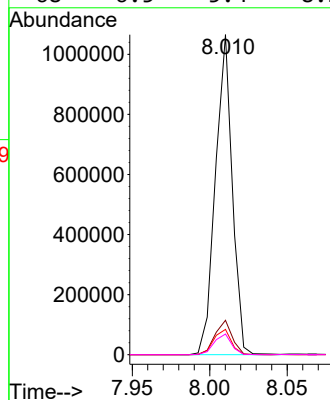
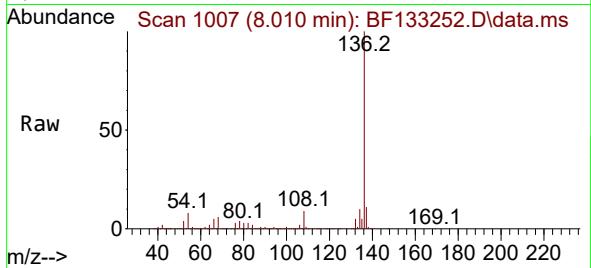




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

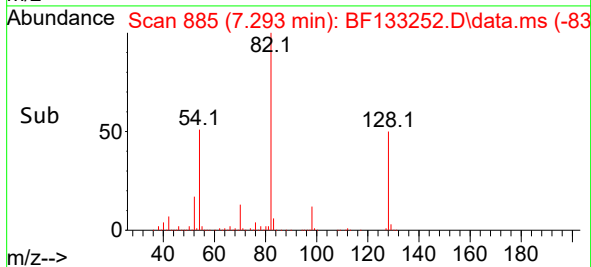
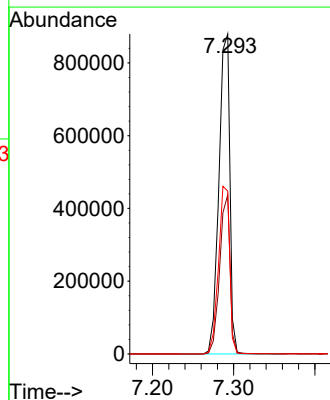
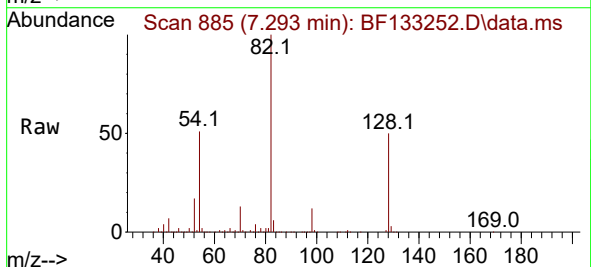
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023

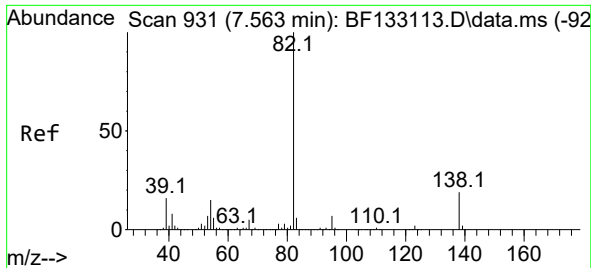
Tgt Ion:136 Resp: 806018
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.9 7.0 10.4
68 6.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 55.163 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion: 82 Resp: 823734
Ion Ratio Lower Upper
82 100
128 49.7 37.7 56.5
54 50.9 43.0 64.4

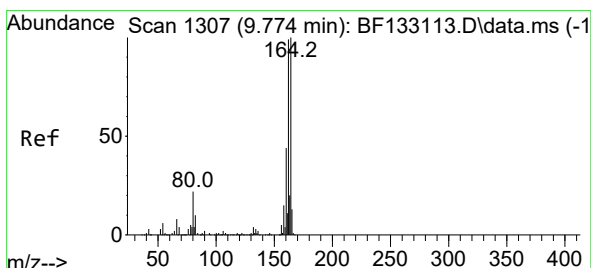
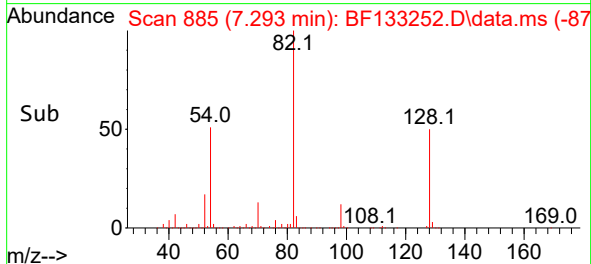
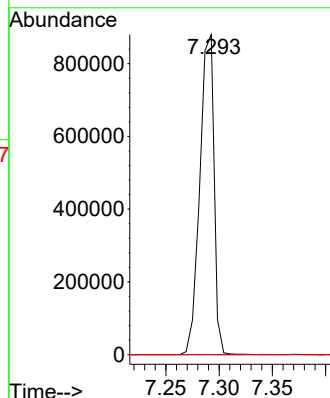
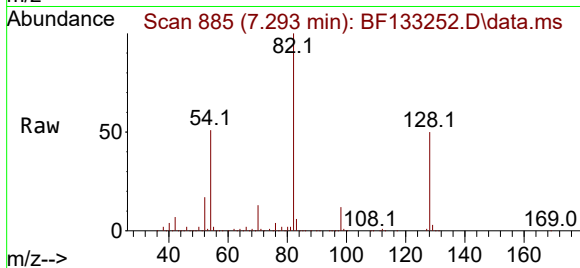




#25
Isophorone
Concen: 28.959 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

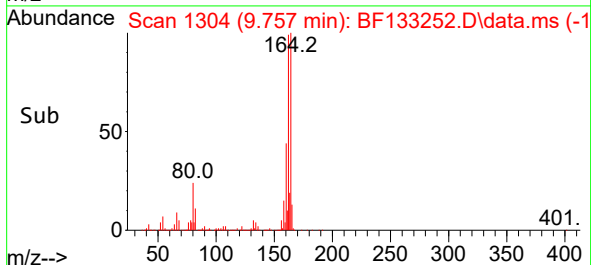
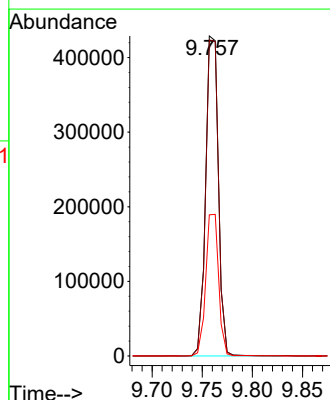
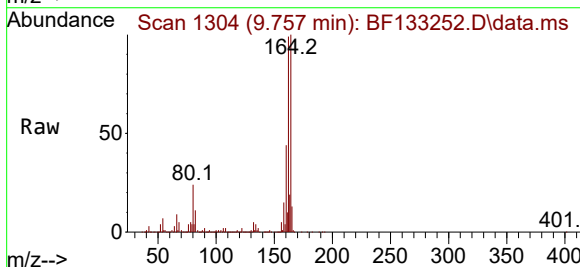
Instrument :
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ClientSampleId :
ZONE-D-0-3-05022023

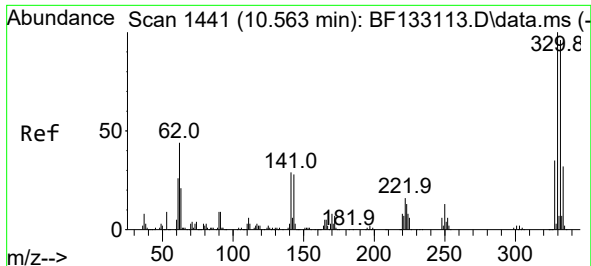
Tgt Ion: 82 Resp: 821053
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:164 Resp: 380384
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 44.1 35.8 53.6

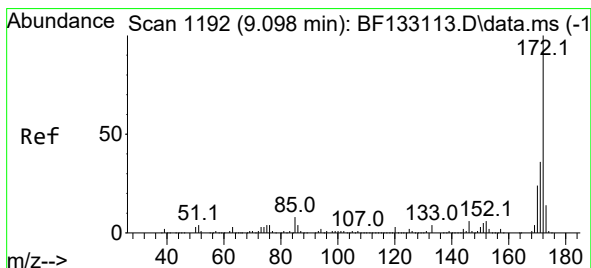
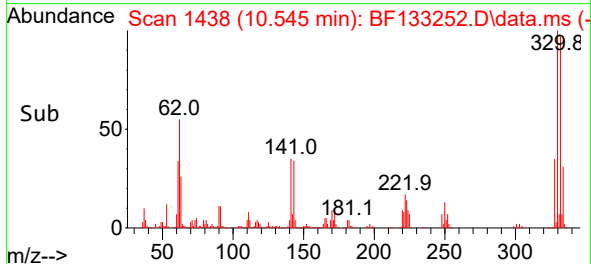
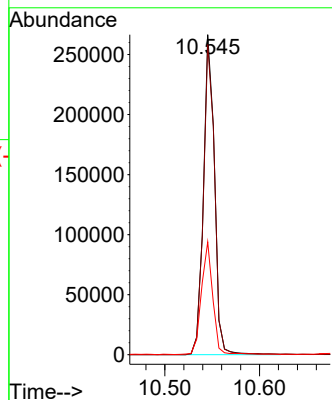
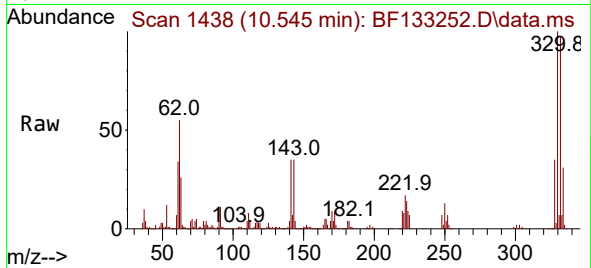




#42
2,4,6-Tribromophenol
Concen: 56.764 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

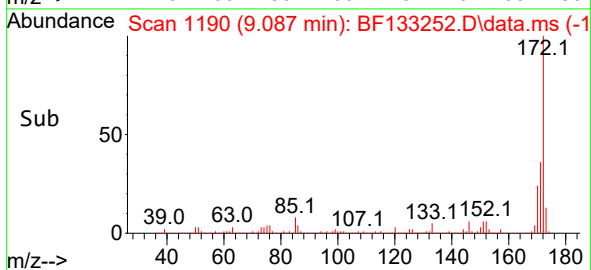
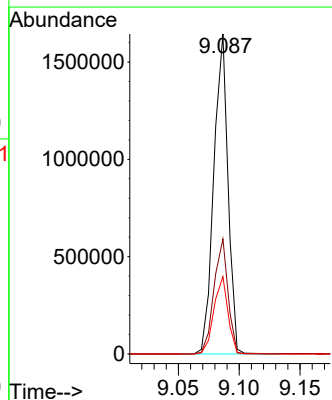
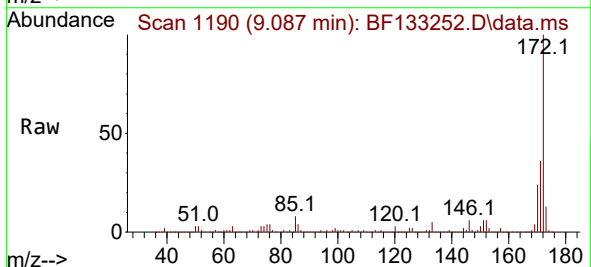
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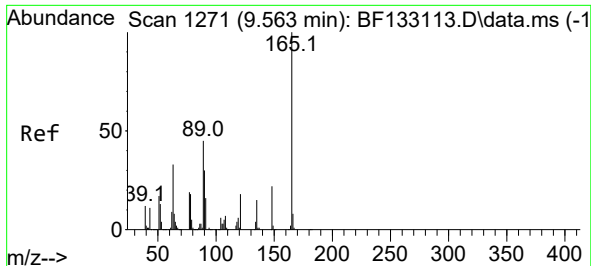
Tgt Ion:330 Resp: 217150
Ion Ratio Lower Upper
330 100
332 98.4 77.1 115.7
141 36.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 58.538 ng
RT: 9.087 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:172 Resp: 1330955
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 19.4 29.2

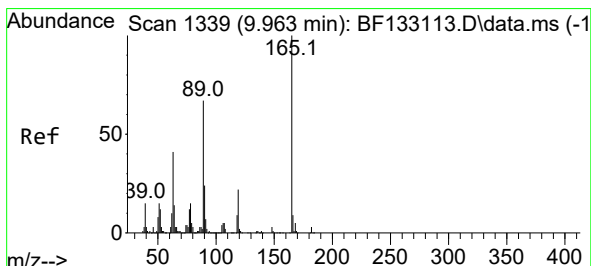
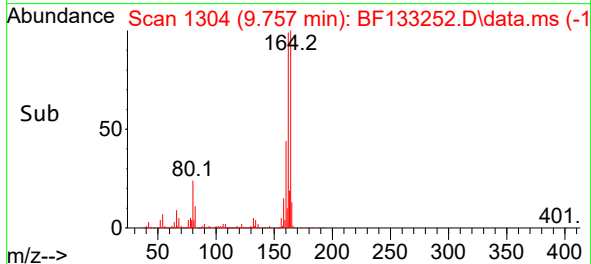
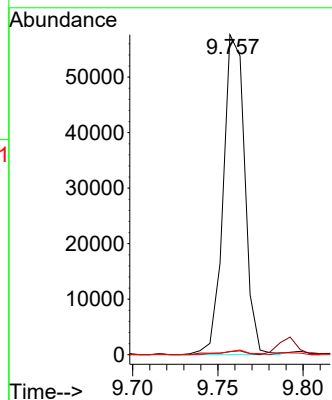
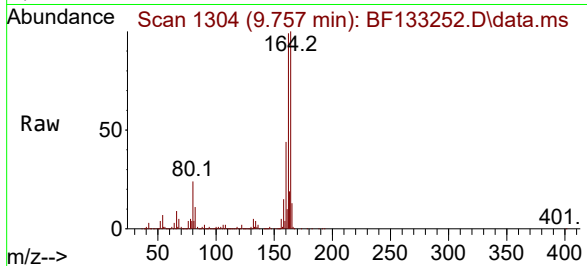




#51
2,6-Dinitrotoluene
Concen: 8.459 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

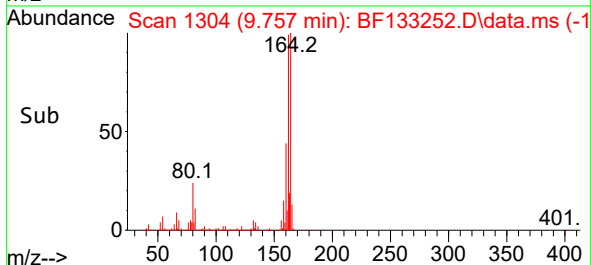
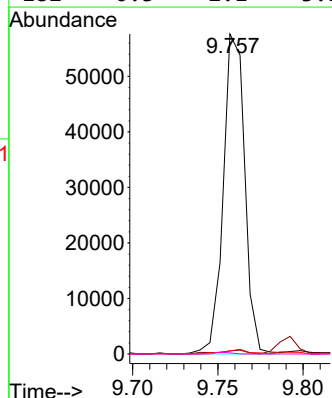
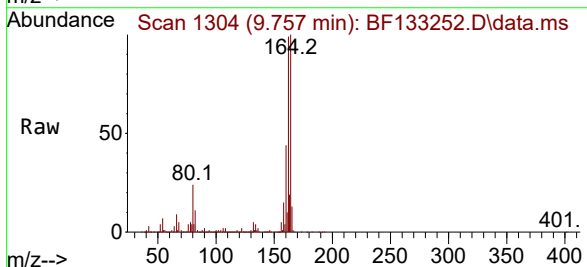
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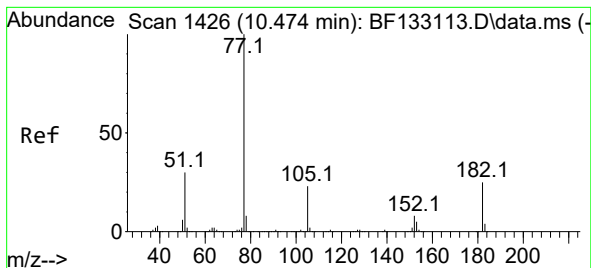
Tgt Ion:165 Resp: 50497
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.0 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.633 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:165 Resp: 50497
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.0 57.0 85.4#
182 0.3 2.1 3.1#





#63

Azobenzene

Concen: 2.020 ng

RT: 10.469 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF133252.D

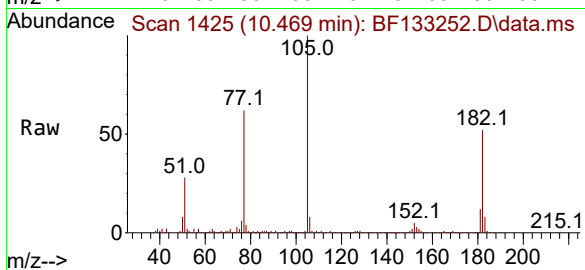
Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023



Tgt Ion: 77 Resp: 53600

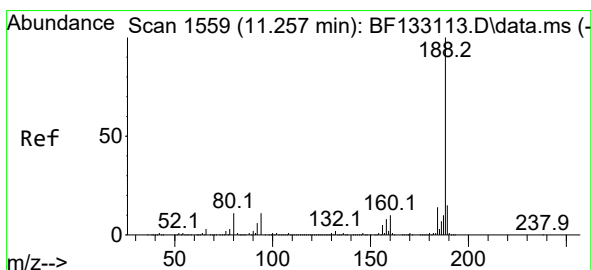
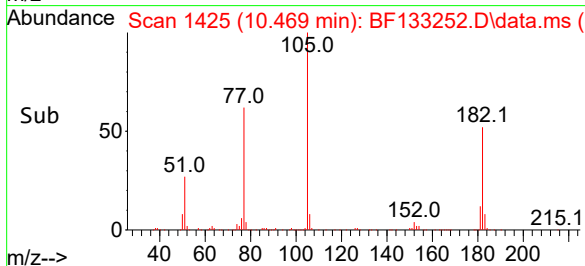
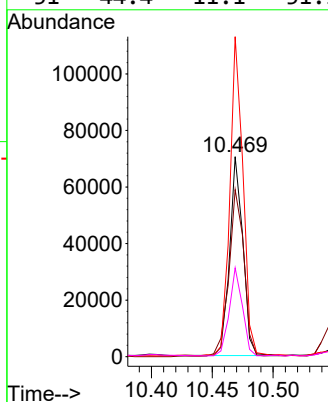
Ion Ratio Lower Upper

77 100

182 83.5 5.9 45.9#

105 160.0 2.3 42.3#

51 44.4 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

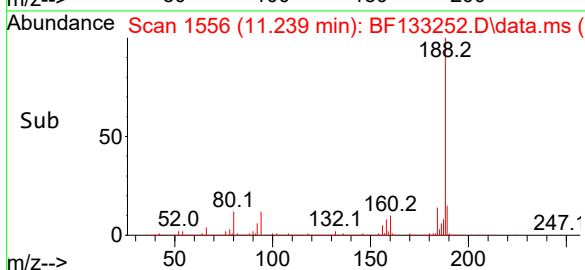
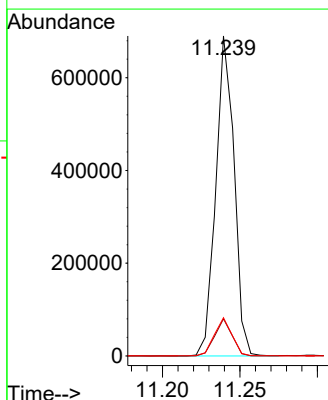
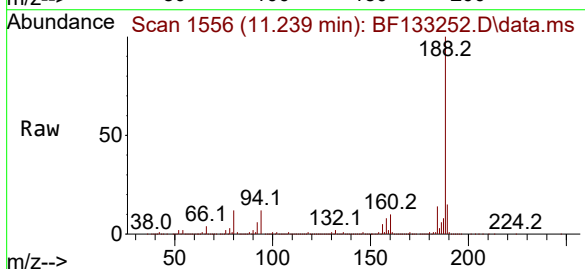
Tgt Ion: 188 Resp: 568065

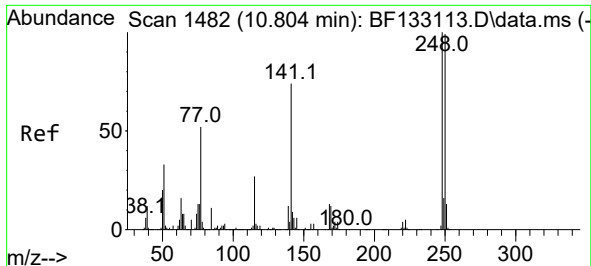
Ion Ratio Lower Upper

188 100

94 11.6 9.7 14.5

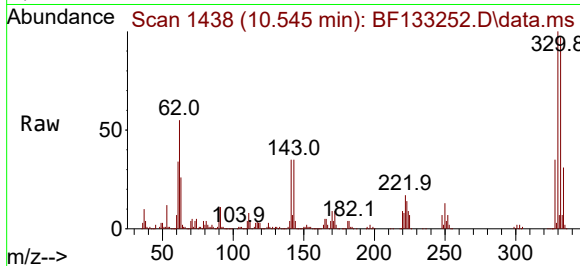
80 12.0 10.4 15.6



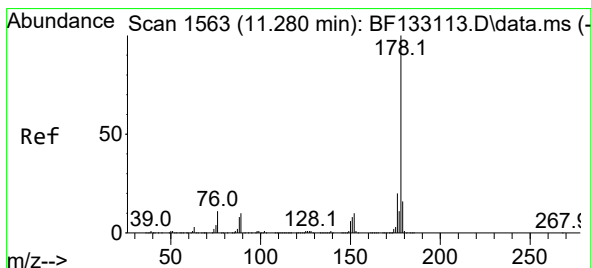
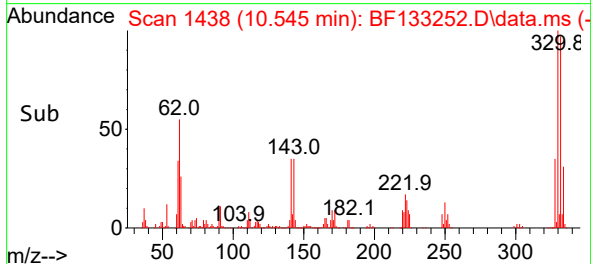
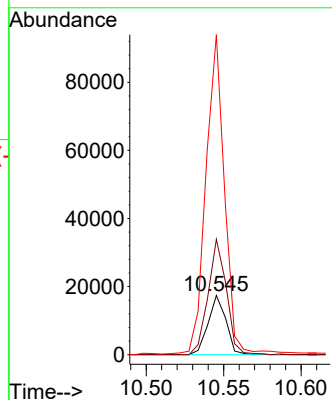


#67
4-Bromophenyl-phenylether
Concen: 2.263 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023

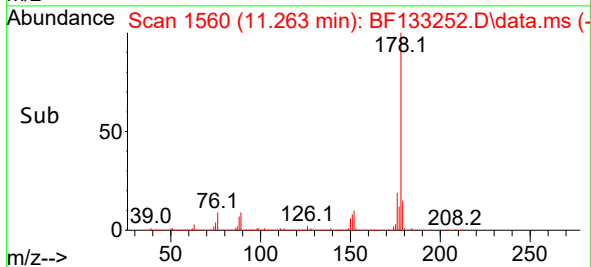
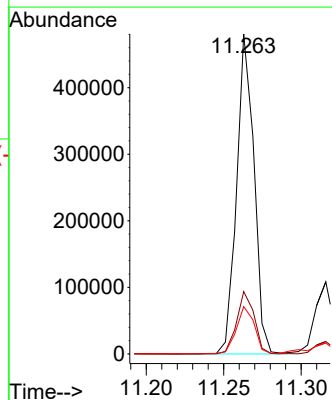
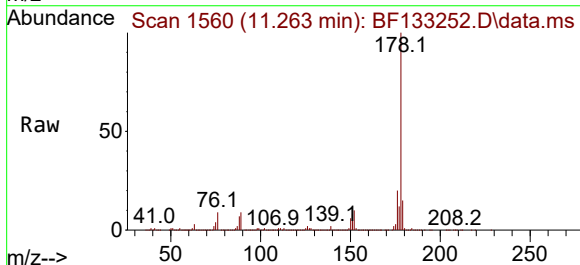


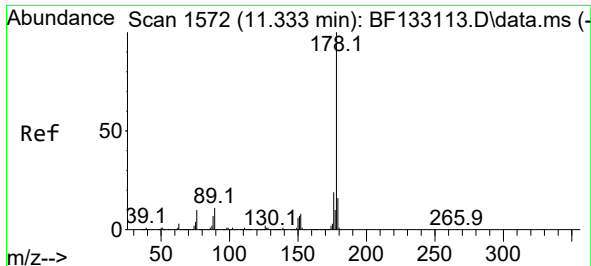
Tgt Ion:248 Resp: 13942
Ion Ratio Lower Upper
248 100
250 194.7 78.7 118.1#
141 539.9 56.3 84.5#



#71
Phenanthrene
Concen: 12.277 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:178 Resp: 374831
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.8 12.5 18.7

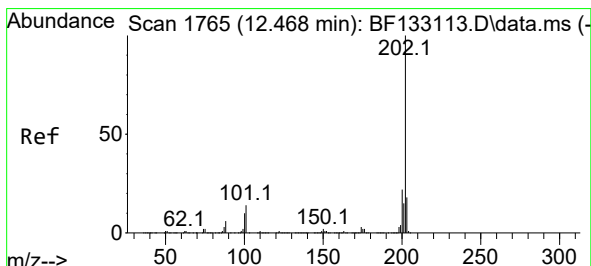
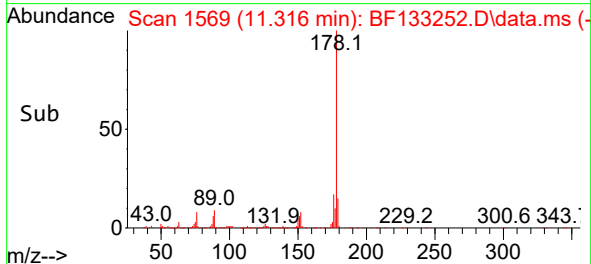
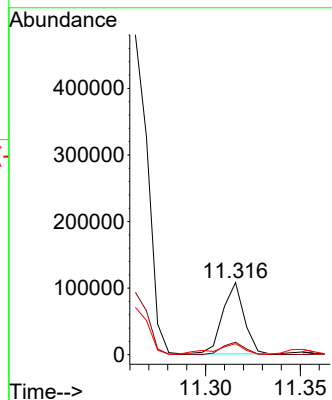
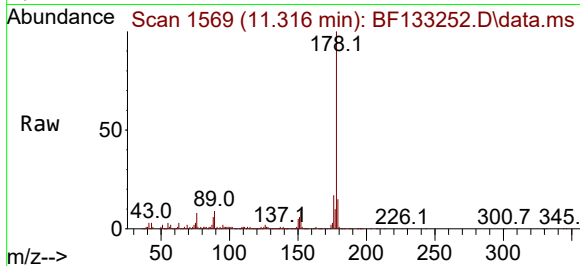




#72
 Anthracene
 Concen: 2.709 ng
 RT: 11.316 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

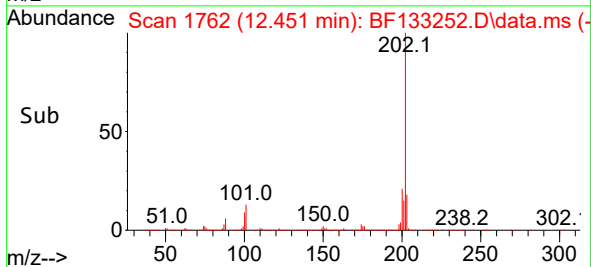
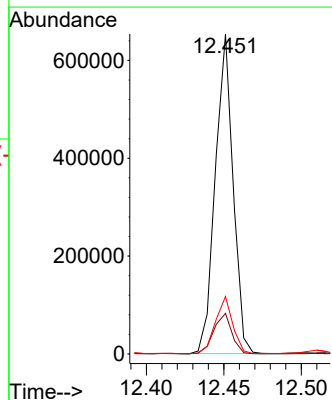
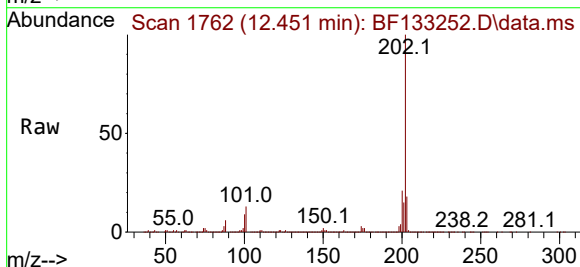
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-0-3-05022023

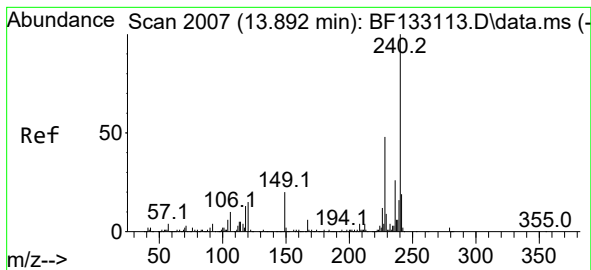
Tgt Ion:178 Resp: 84647
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.0
 179 15.3 12.4 18.6



#75
 Fluoranthene
 Concen: 17.003 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

Tgt Ion:202 Resp: 521010
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 35.3
 203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

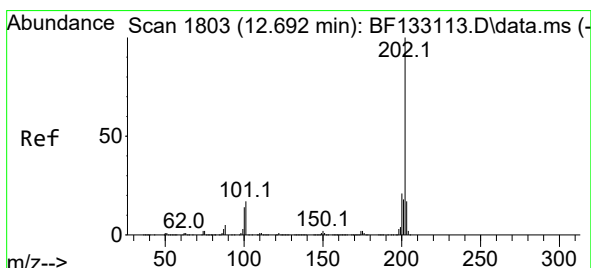
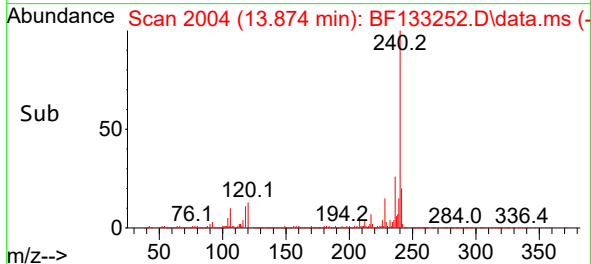
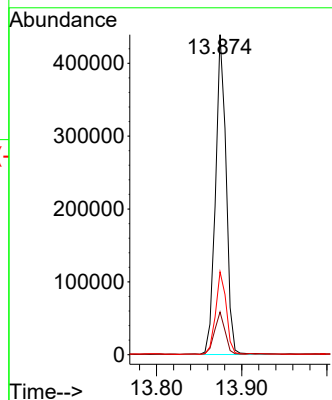
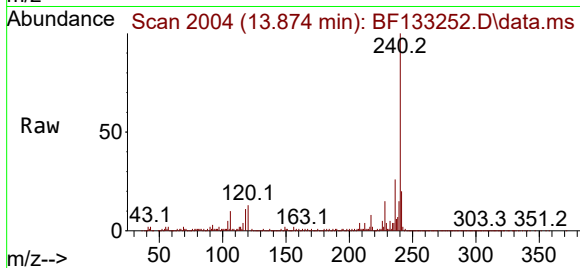
Tgt Ion:240 Resp: 380604

Ion Ratio Lower Upper

240 100

120 13.4 10.5 15.7

236 25.9 21.5 32.3



#78

Pyrene

Concen: 13.832 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

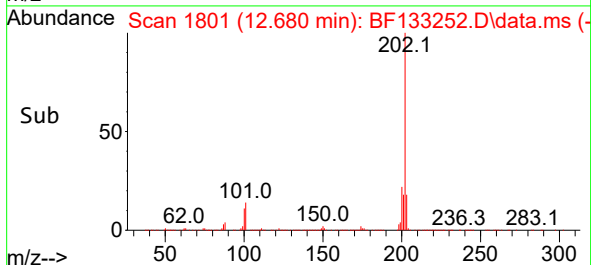
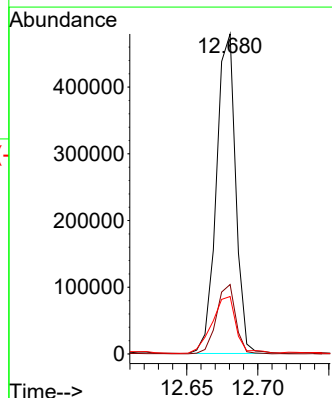
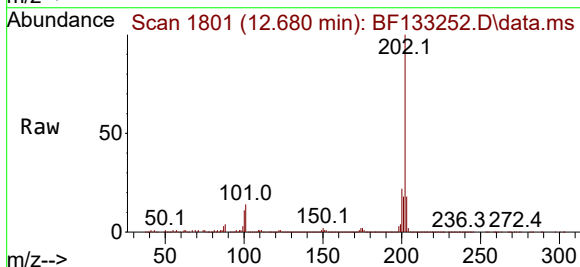
Tgt Ion:202 Resp: 451282

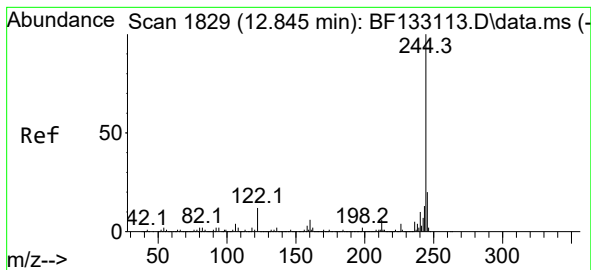
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 47.348 ng

RT: 12.828 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

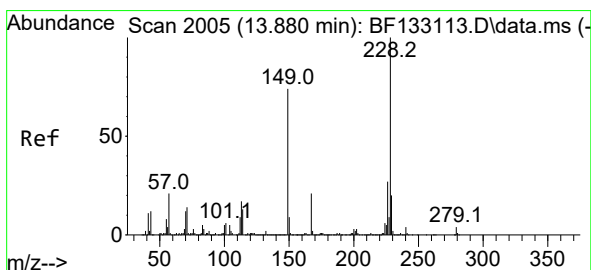
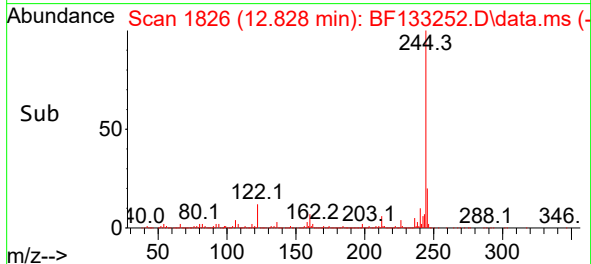
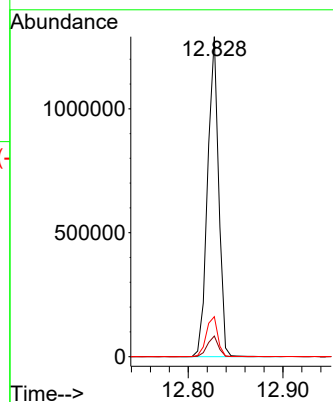
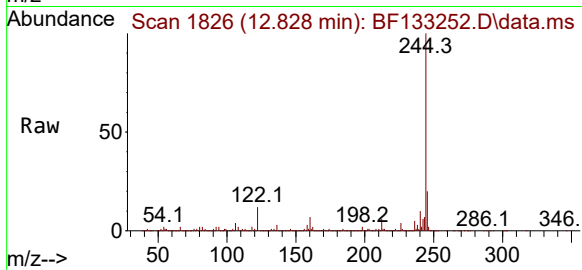
Tgt Ion:244 Resp: 1044888

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.5 8.6 13.0



#81

Benzo(a)anthracene

Concen: 8.207 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

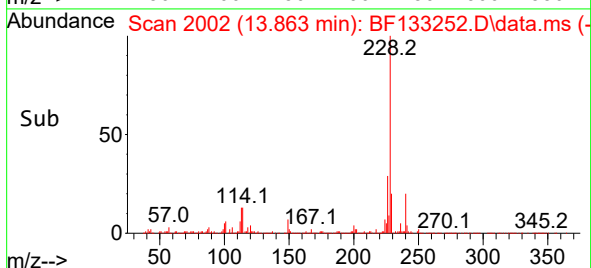
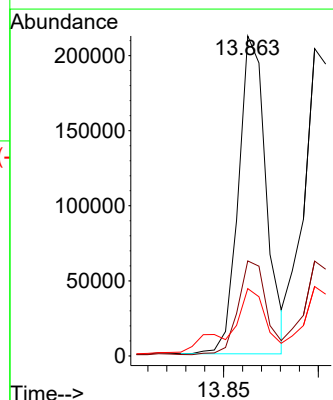
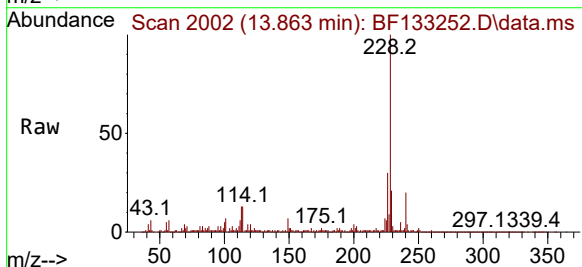
Tgt Ion:228 Resp: 214790

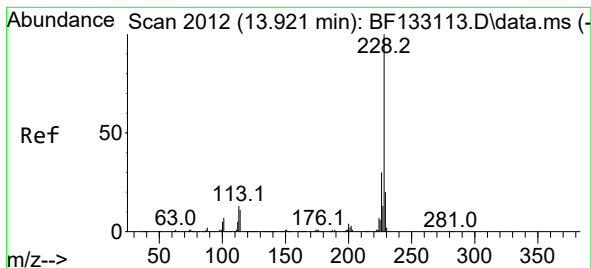
Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

229 21.0 16.0 24.0





#83

Chrysene

Concen: 8.012 ng

RT: 13.898 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

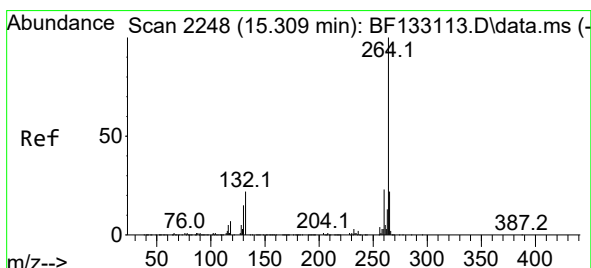
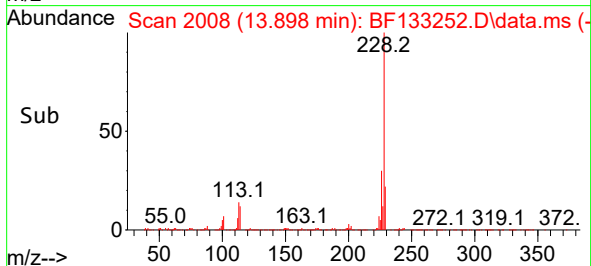
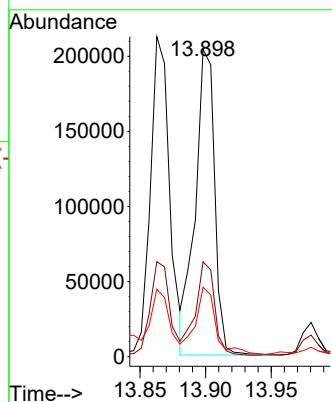
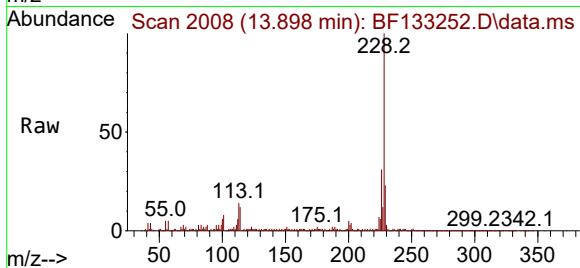
Tgt Ion:228 Resp: 209633

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 22.6 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

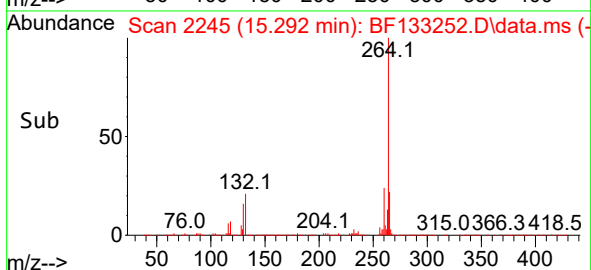
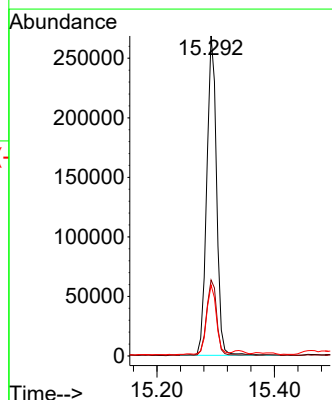
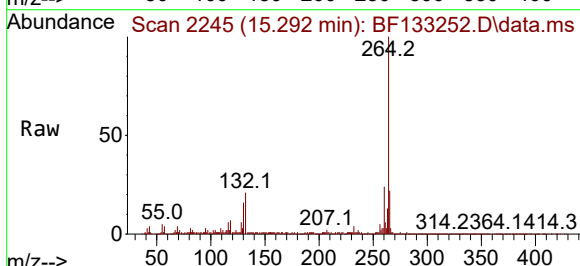
Tgt Ion:264 Resp: 311589

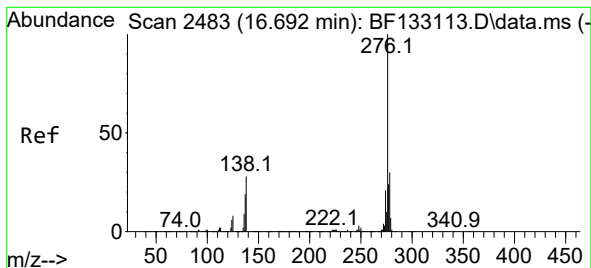
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.274 ng

RT: 16.663 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

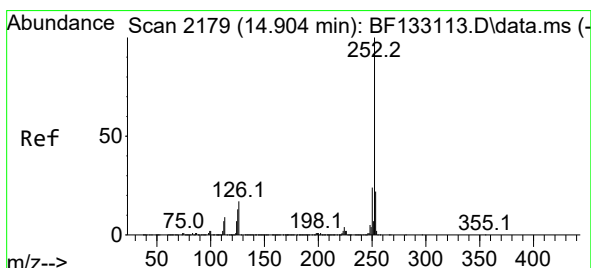
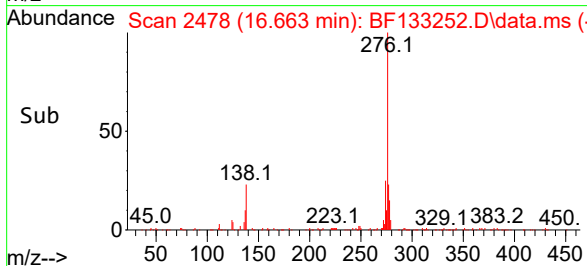
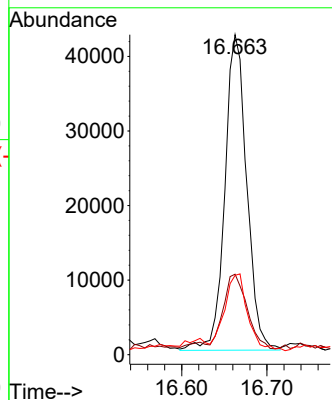
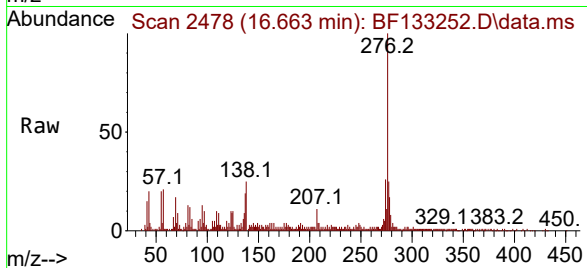
Tgt Ion:276 Resp: 75744

Ion Ratio Lower Upper

276 100

138 27.1 25.5 38.3

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 14.834 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

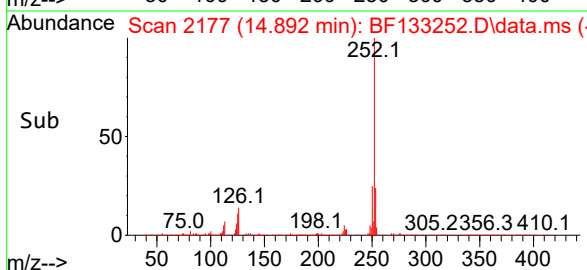
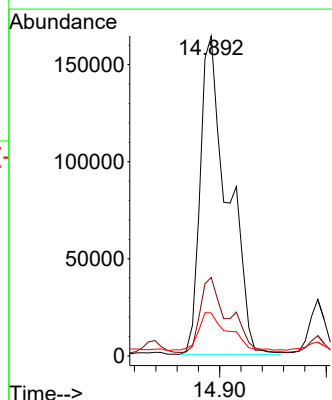
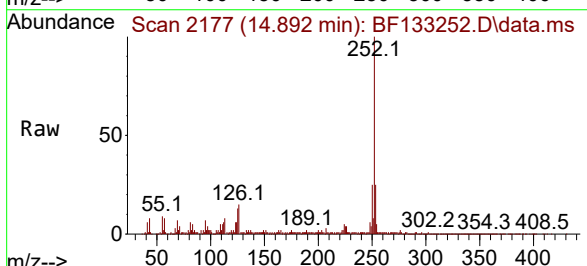
Tgt Ion:252 Resp: 294048

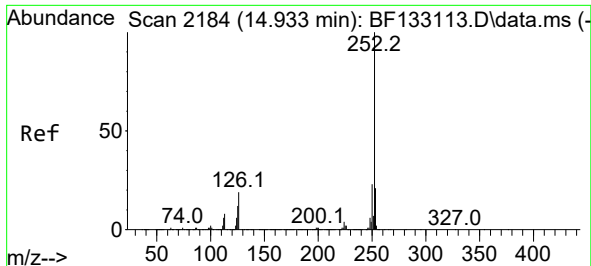
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 13.4 8.9 13.3#

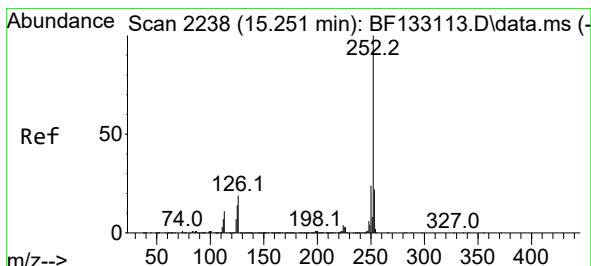
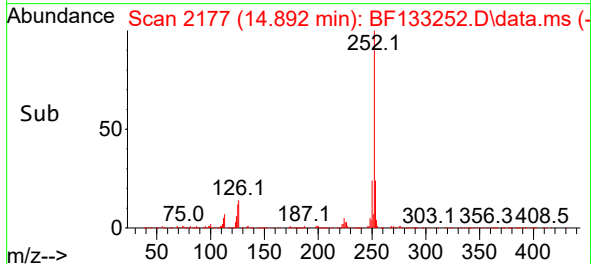
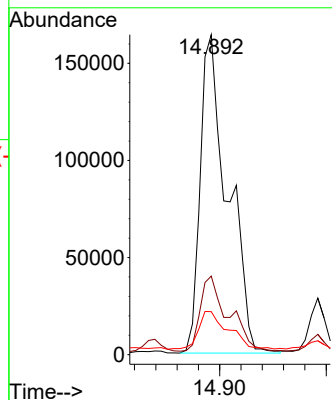
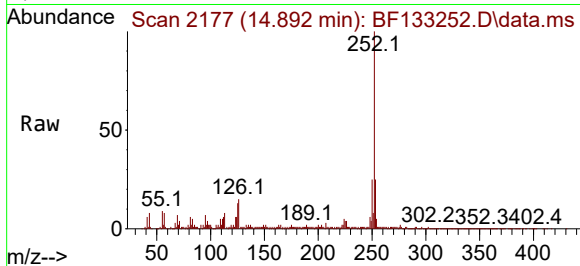




#89
Benzo(k)fluoranthene
Concen: 14.964 ng
RT: 14.892 min Scan# 2184
Delta R.T. -0.035 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

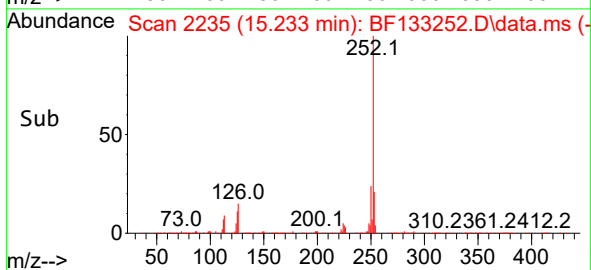
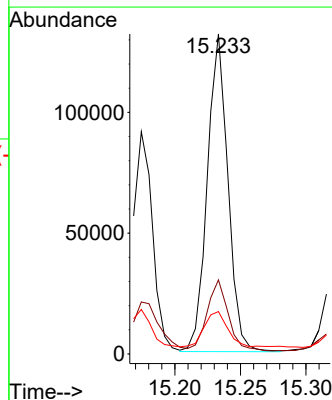
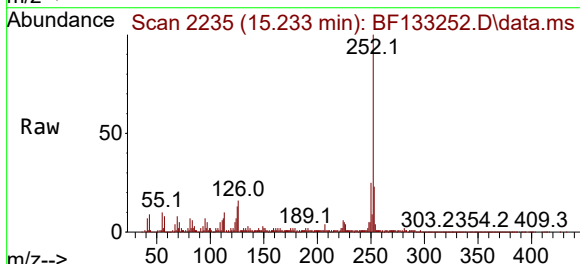
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023

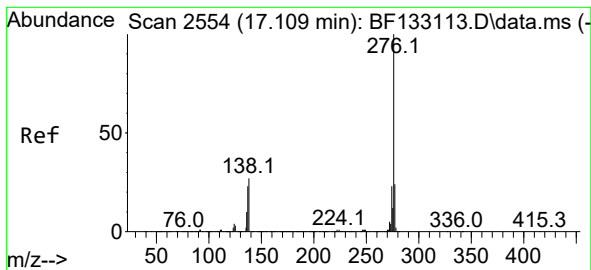
Tgt Ion:252 Resp: 294048
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 13.4 9.0 13.4



#90
Benzo(a)pyrene
Concen: 7.992 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:252 Resp: 144204
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 13.3 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.715 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF133252.D

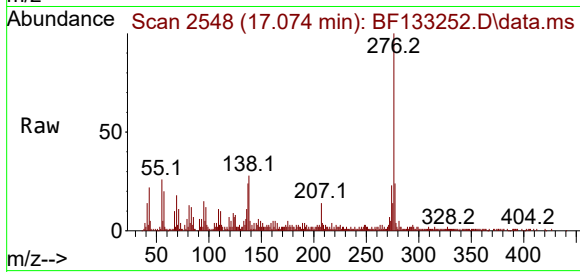
Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023



Tgt Ion:276 Resp: 68812

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 27.5 22.7 34.1

