

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133250.D
 Acq On : 05 May 2023 01:13
 Operator : CG\JU
 Sample : 02588-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-3-6-05022023

Quant Time: May 05 05:34:55 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)

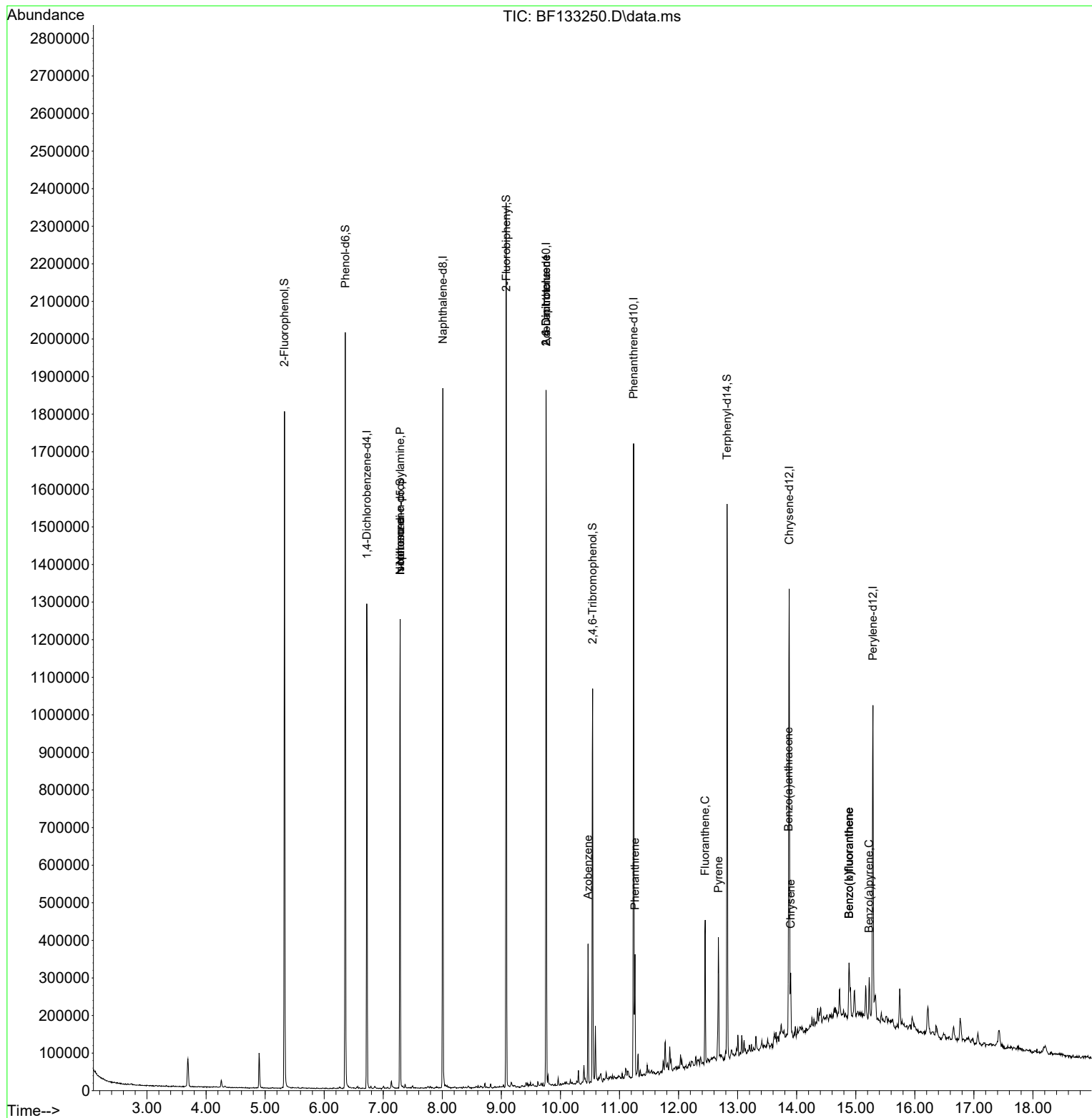
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	178791	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	717145	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	357935	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	562214	20.000	ng	0.00
76) Chrysene-d12	13.874	240	347990	20.000	ng	-0.01
86) Perylene-d12	15.292	264	340544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	454088	38.366	ng	0.00
7) Phenol-d6	6.357	99	568390	38.691	ng	-0.02
23) Nitrobenzene-d5	7.287	82	335635	25.262	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	107411	29.839	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	632326	29.555	ng	-0.01
79) Terphenyl-d14	12.821	244	475569	23.570	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.269	77	819	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.287	70	42805	4.680	ng	# 80
25) Isophorone	7.287	82	335556	13.302	ng	# 62
51) 2,6-Dinitrotoluene	9.757	165	44528	7.927	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	44528	6.216	ng	# 23
63) Azobenzene	10.469	77	54362	2.177	ng	# 1
71) Phenanthrene	11.263	178	101951	3.374	ng	98
75) Fluoranthene	12.451	202	146201	4.821	ng	94
78) Pyrene	12.674	202	122972	4.122	ng	98
81) Benzo(a)anthracene	13.863	228	61972	2.590	ng	98
83) Chrysene	13.898	228	57382	2.398	ng	97
88) Benzo(b)fluoranthene	14.886	252	96953	4.475	ng	# 95
89) Benzo(k)fluoranthene	14.886	252	96953	4.514	ng	# 96
90) Benzo(a)pyrene	15.227	252	49153	2.493	ng	97

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

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Response via : Initial Calibration

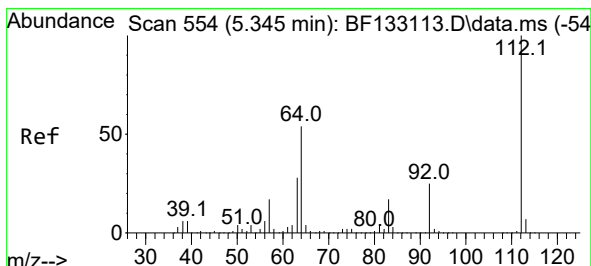
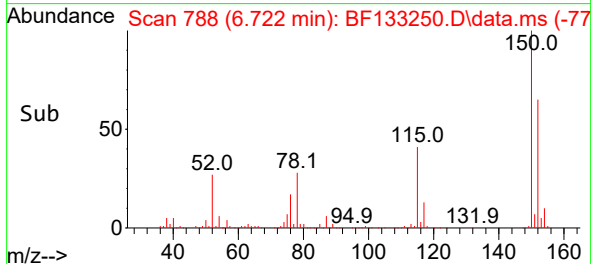
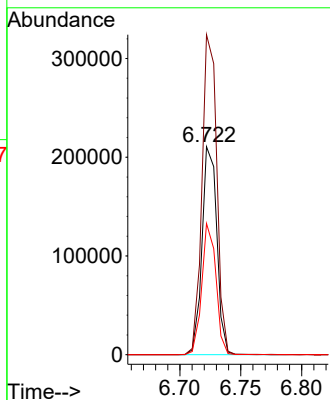
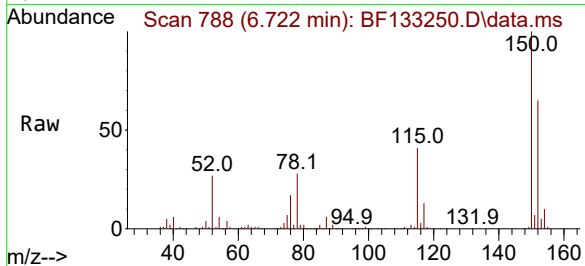




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

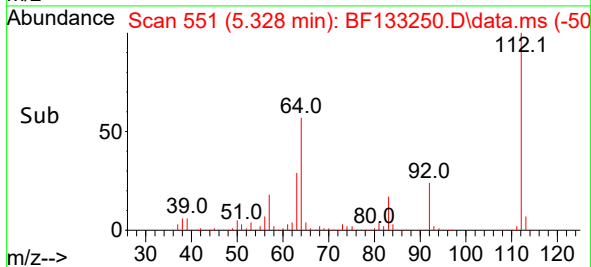
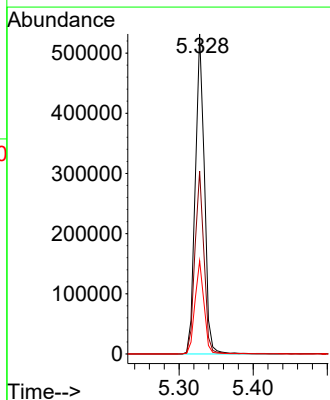
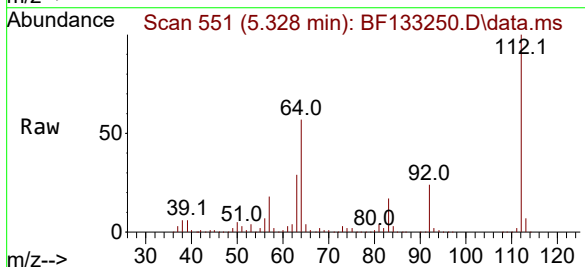
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

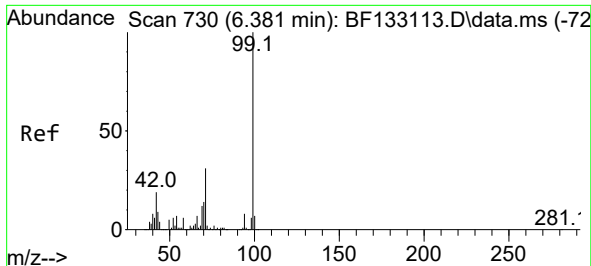
Tgt Ion:152 Resp: 178791
Ion Ratio Lower Upper
152 100
150 153.8 124.8 187.2
115 63.1 49.9 74.9



#5
2-Fluorophenol
Concen: 38.366 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:112 Resp: 454088
Ion Ratio Lower Upper
112 100
64 57.1 46.8 70.2
63 29.1 23.8 35.8

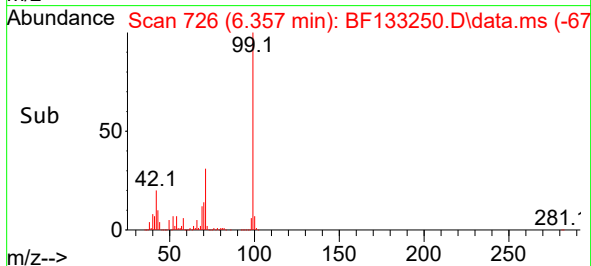
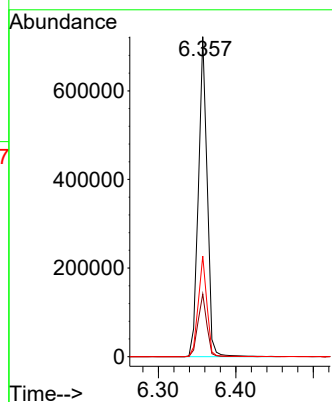
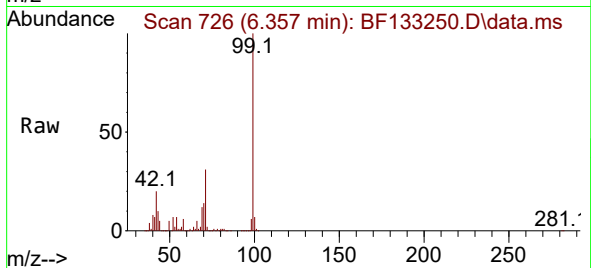




#7
Phenol-d6
Concen: 38.691 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

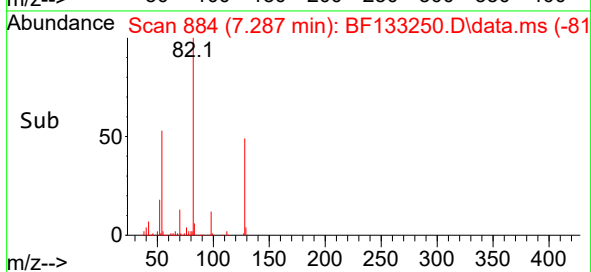
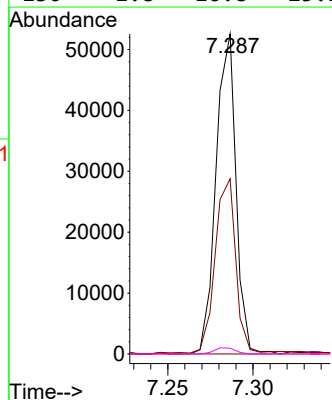
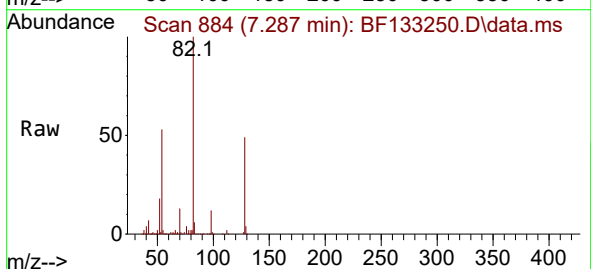
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

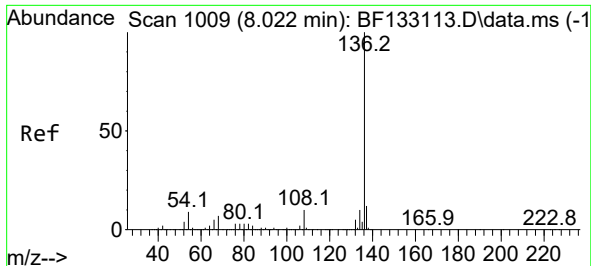
Tgt Ion: 99 Resp: 568390
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 31.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.680 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion: 70 Resp: 42805
Ion Ratio Lower Upper
70 100
42 54.7 51.8 77.6
101 0.0 8.0 12.0#
130 1.8 16.8 25.2#

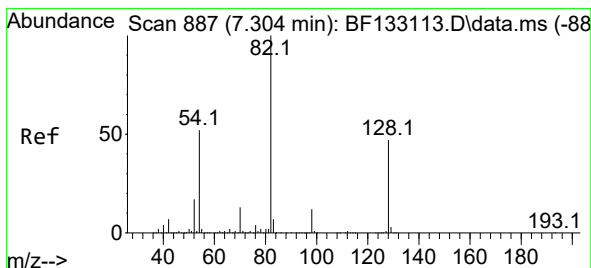
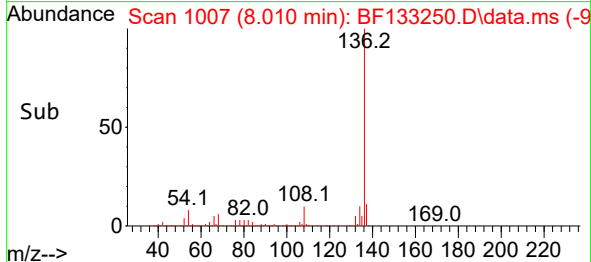
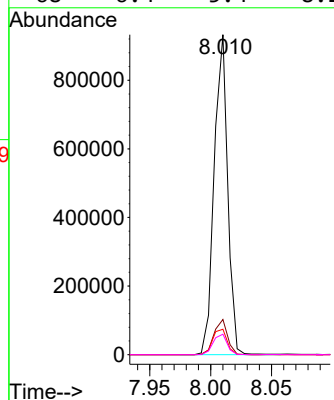
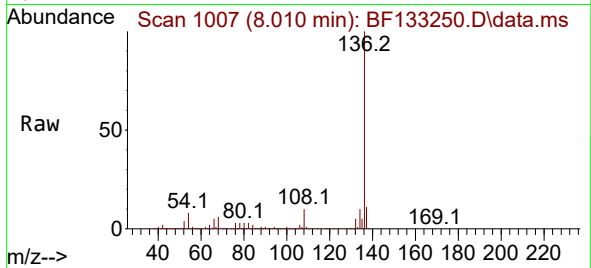




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

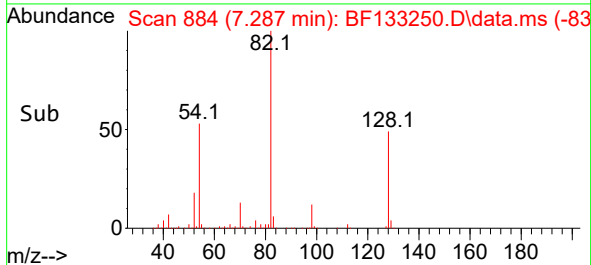
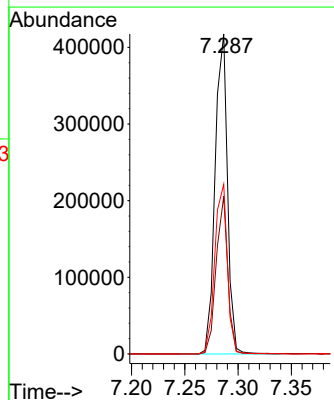
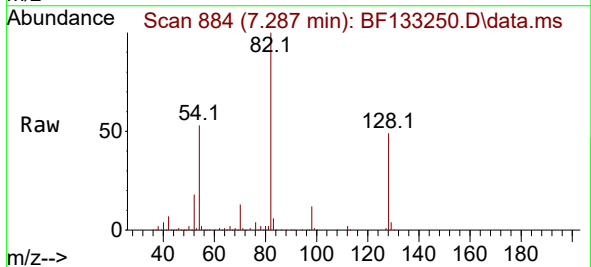
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

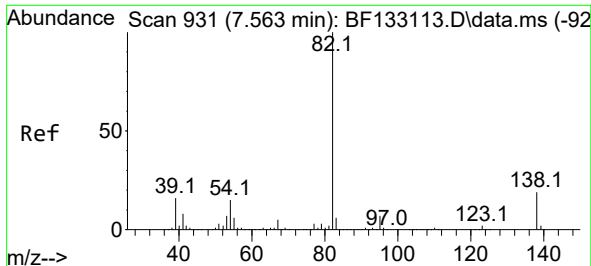
Tgt Ion:	136	Resp:	717145
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.0	7.0	10.4
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 25.262 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:	82	Resp:	335635
Ion	Ratio	Lower	Upper
82	100		
128	49.3	37.7	56.5
54	53.0	43.0	64.4

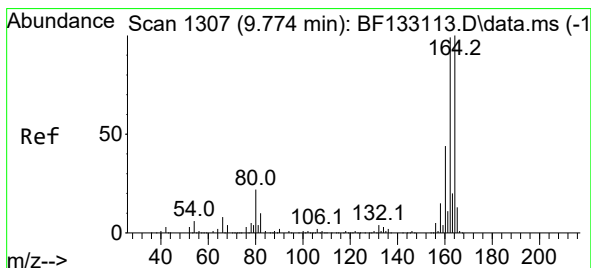
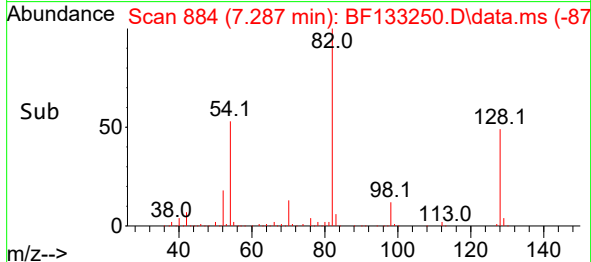
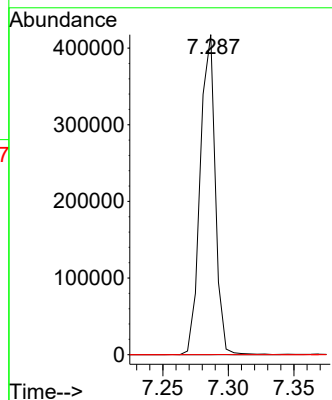
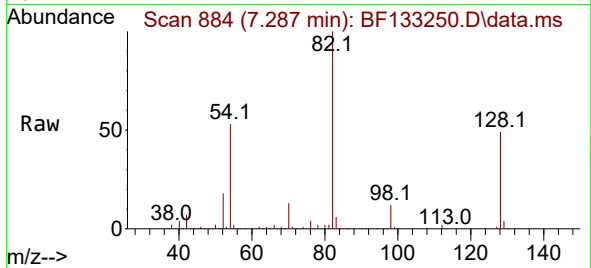




#25
Isophorone
Concen: 13.302 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

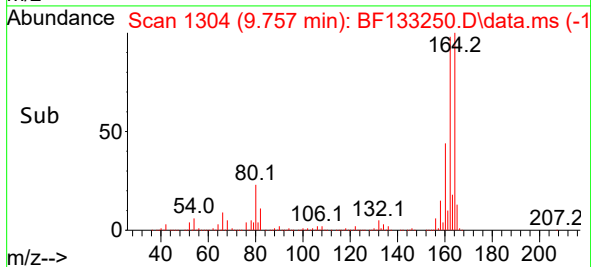
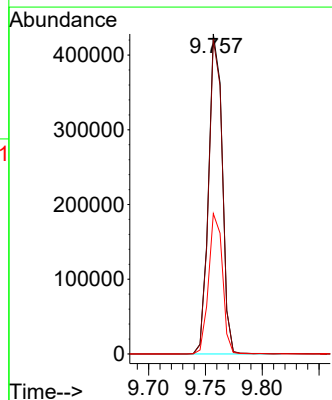
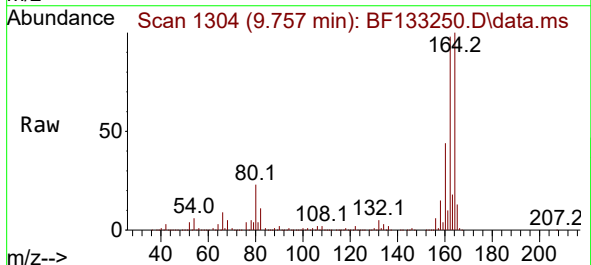
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion: 82 Resp: 335556
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: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:164 Resp: 357935
Ion Ratio Lower Upper
164 100
162 98.3 78.7 118.1
160 43.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 29.839 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF133250.D

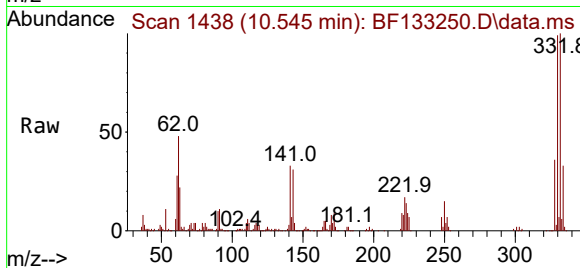
Acq: 05 May 2023 01:13

Instrument :

BNA_F

ClientSampleId :

ZONE-D-3-6-05022023



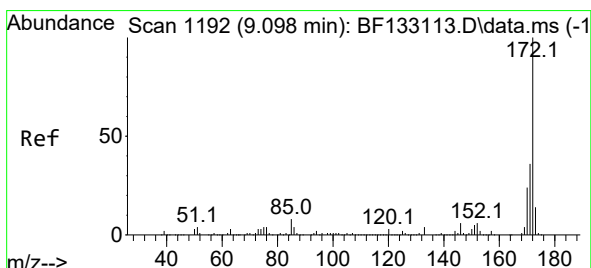
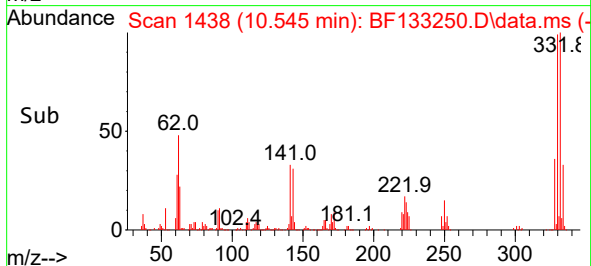
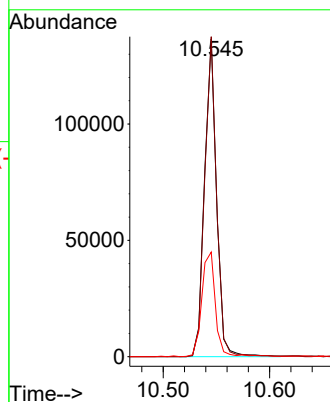
Tgt Ion:330 Resp: 107411

Ion Ratio Lower Upper

330 100

332 99.3 77.1 115.7

141 37.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 29.555 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.012 min

Lab File: BF133250.D

Acq: 05 May 2023 01:13

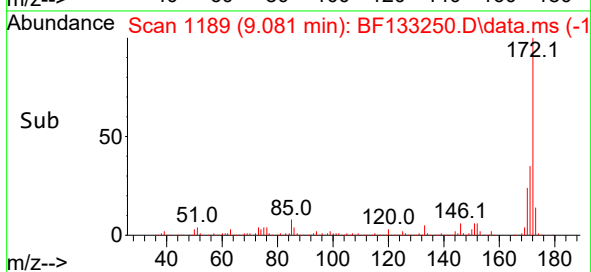
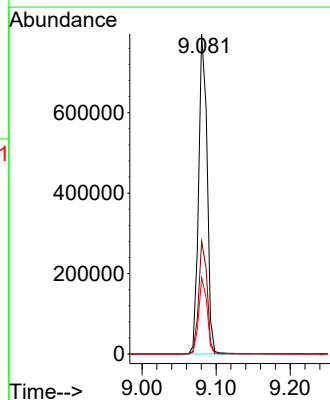
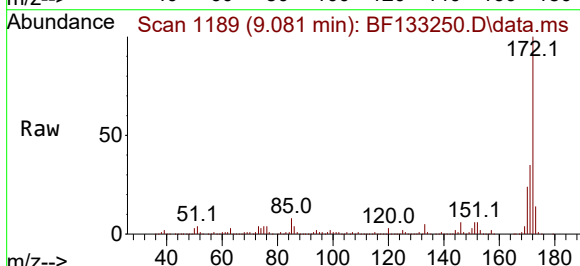
Tgt Ion:172 Resp: 632326

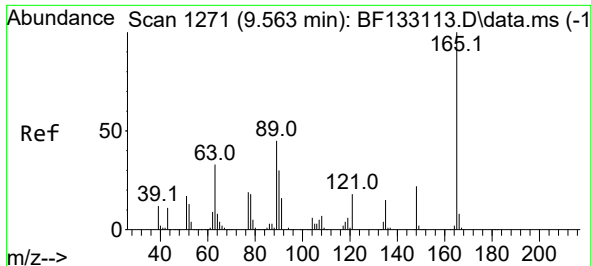
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.8 19.4 29.2

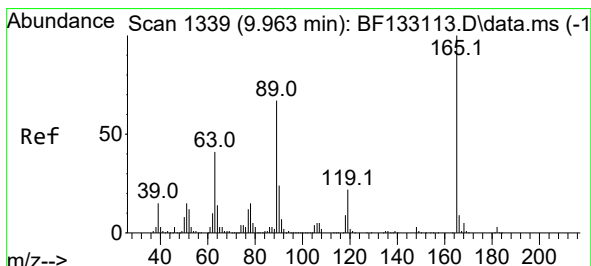
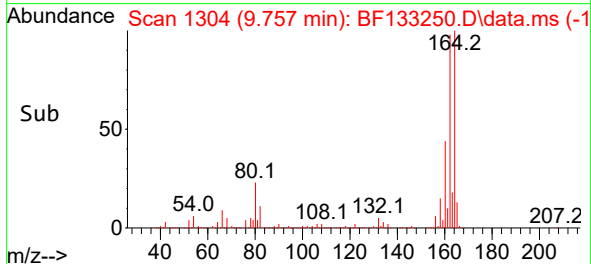
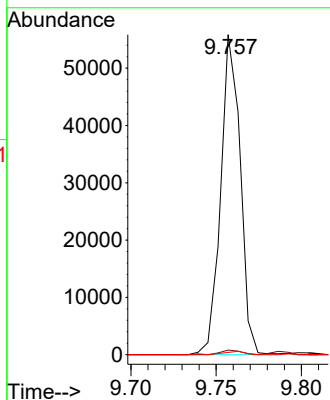
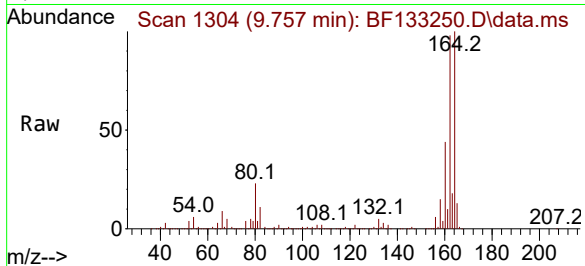




#51
2,6-Dinitrotoluene
Concen: 7.927 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

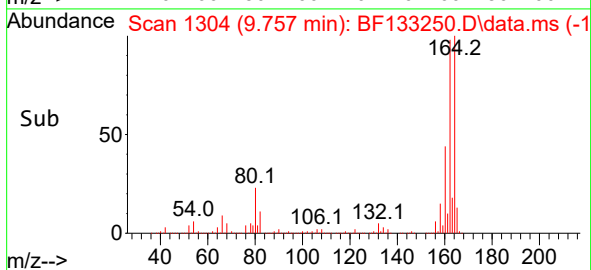
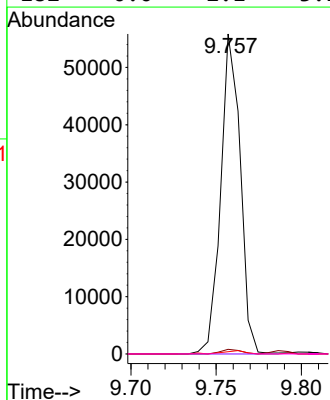
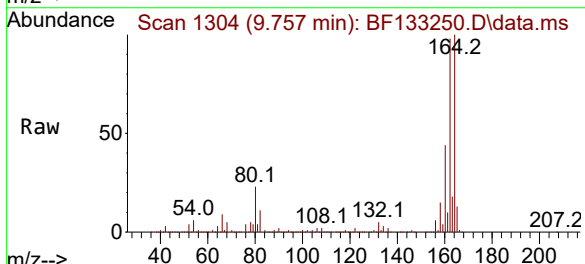
Instrument :
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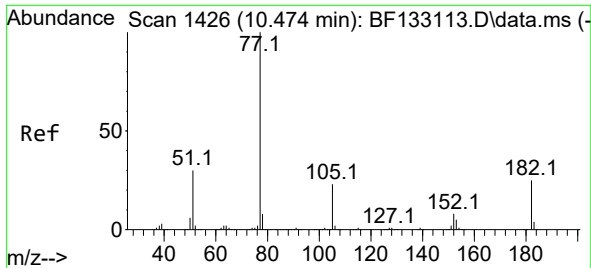
Tgt Ion:165 Resp: 44528
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 0.7 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.216 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:165 Resp: 44528
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 0.7 57.0 85.4#
182 0.0 2.1 3.1#

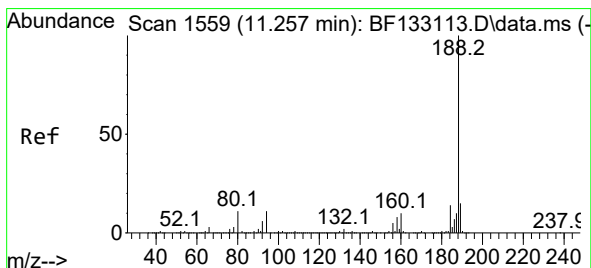
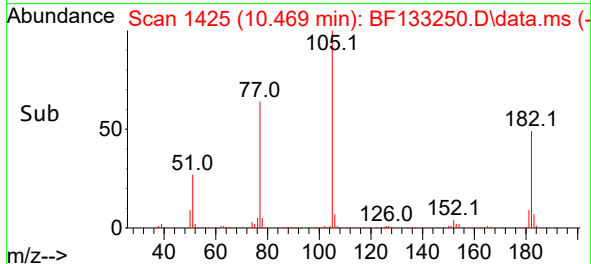
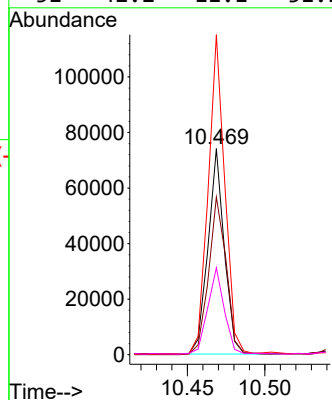
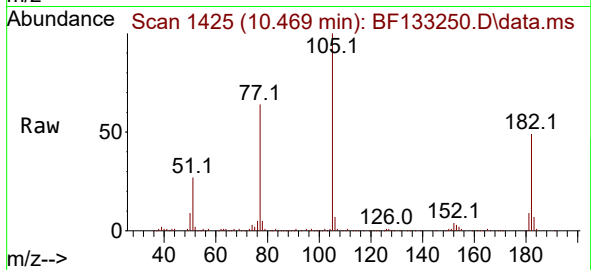




#63
Azobenzene
Concen: 2.177 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

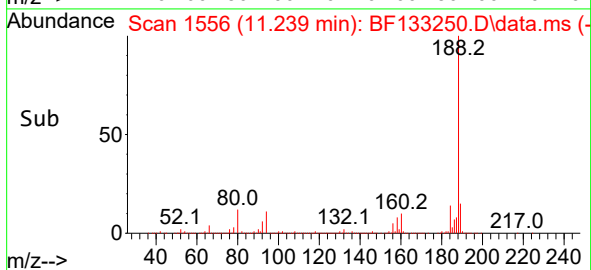
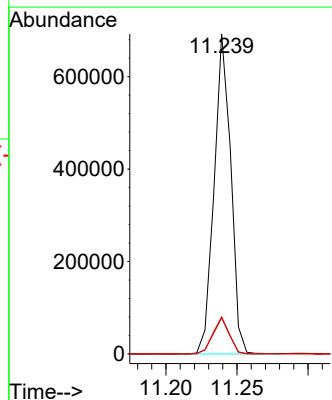
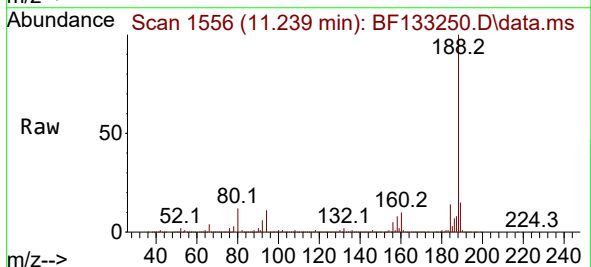
Instrument :
BNA_F
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ZONE-D-3-6-05022023

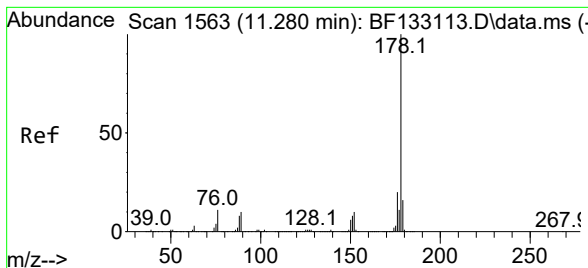
Tgt Ion: 77 Resp: 54362
Ion Ratio Lower Upper
77 100
182 76.5 5.9 45.9#
105 155.3 2.3 42.3#
51 42.2 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:188 Resp: 562214
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.6 10.4 15.6





#71

Phenanthrene

Concen: 3.374 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133250.D

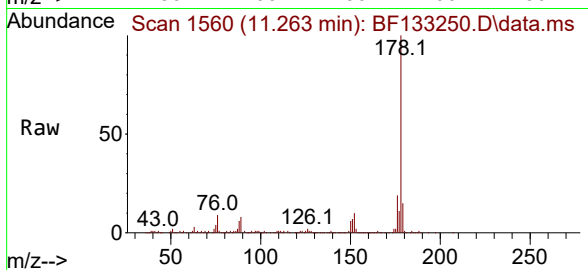
Acq: 05 May 2023 01:13

Instrument :

BNA_F

ClientSampleId :

ZONE-D-3-6-05022023



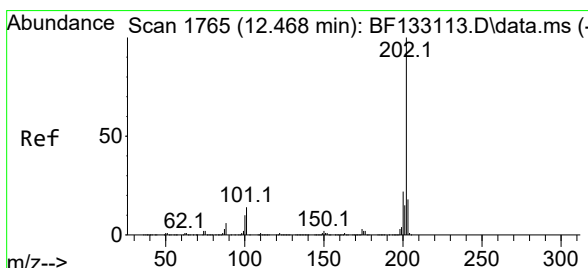
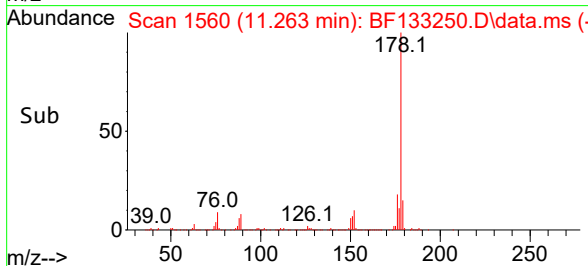
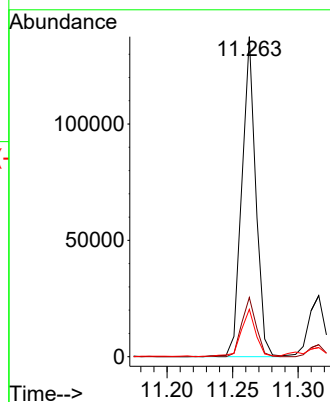
Tgt Ion:178 Resp: 101951

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 14.8 12.5 18.7



#75

Fluoranthene

Concen: 4.821 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF133250.D

Acq: 05 May 2023 01:13

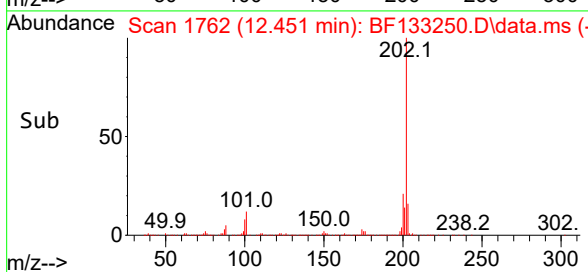
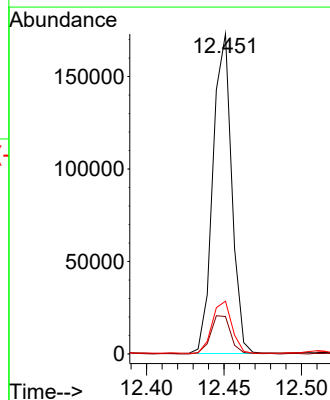
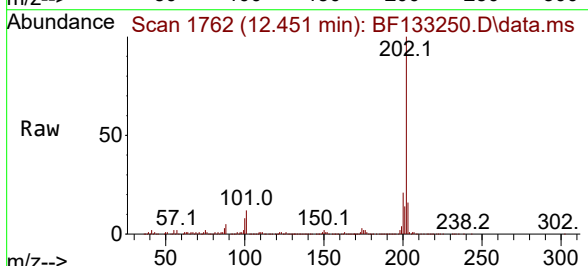
Tgt Ion:202 Resp: 146201

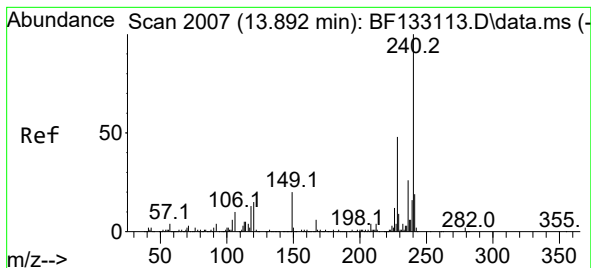
Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.3

203 16.5 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: BF133250.D

Acq: 05 May 2023 01:13

Instrument :

BNA_F

ClientSampleId :

ZONE-D-3-6-05022023

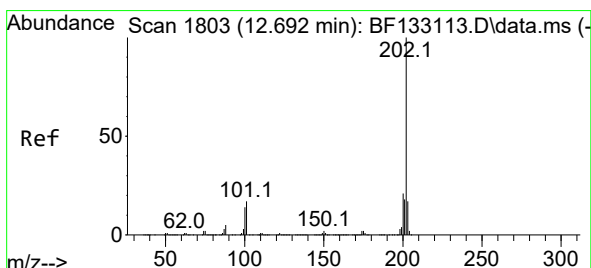
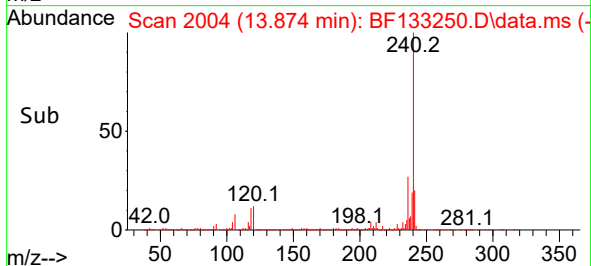
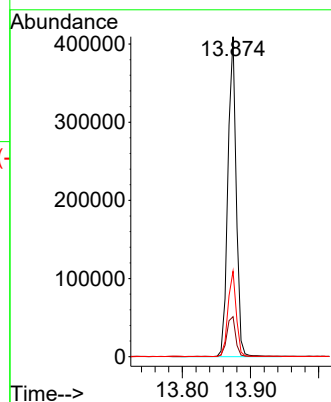
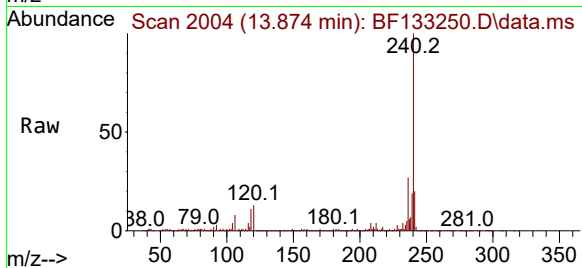
Tgt Ion:240 Resp: 347990

Ion Ratio Lower Upper

240 100

120 12.5 10.5 15.7

236 26.7 21.5 32.3



#78

Pyrene

Concen: 4.122 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133250.D

Acq: 05 May 2023 01:13

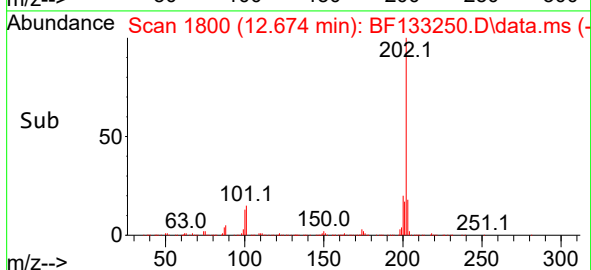
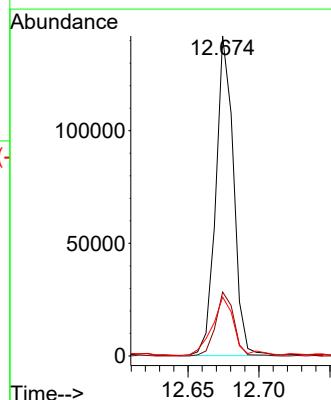
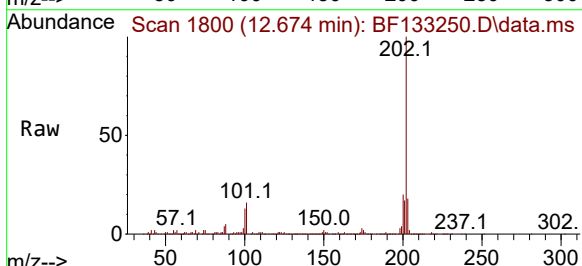
Tgt Ion:202 Resp: 122972

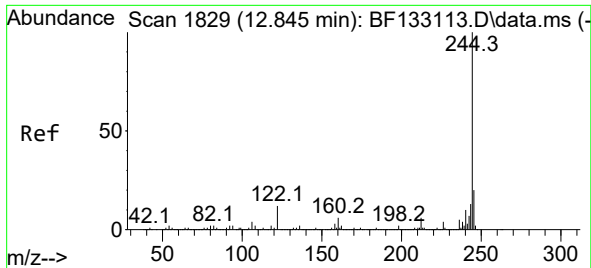
Ion Ratio Lower Upper

202 100

200 20.0 17.1 25.7

203 18.4 14.1 21.1

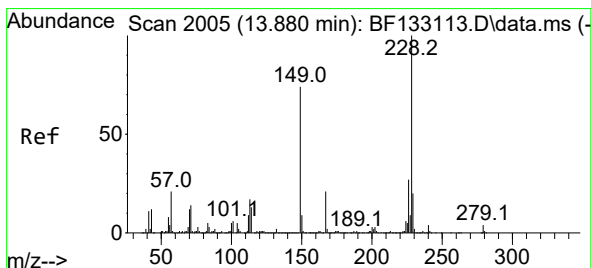
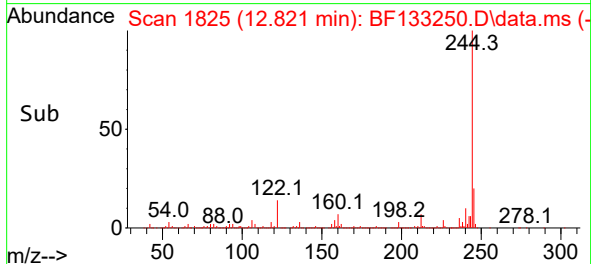
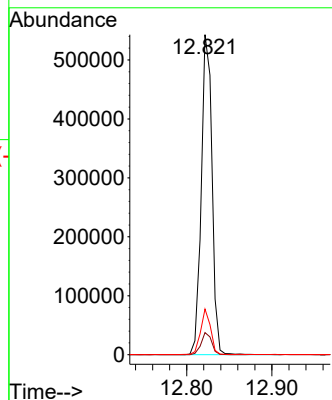
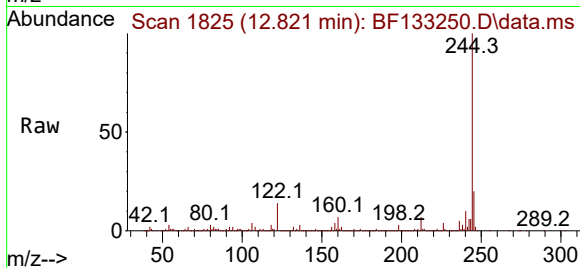




#79
 Terphenyl-d14
 Concen: 23.570 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133250.D
 Acq: 05 May 2023 01:13

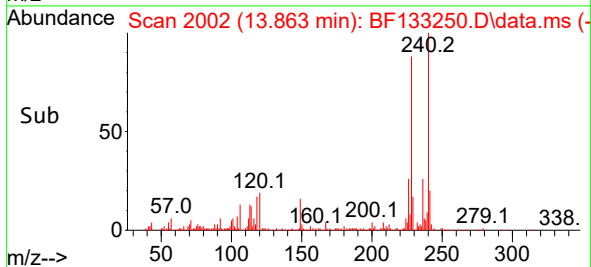
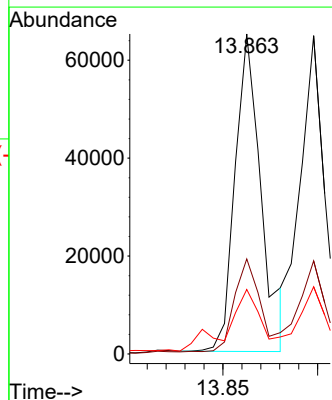
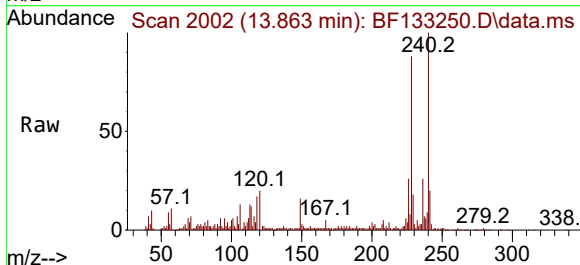
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-3-6-05022023

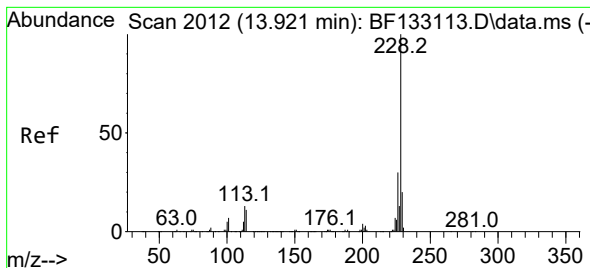
Tgt Ion:244 Resp: 475569
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 14.3 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 2.590 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133250.D
 Acq: 05 May 2023 01:13

Tgt Ion:228 Resp: 61972
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 20.2 16.0 24.0





#83

Chrysene

Concen: 2.398 ng

RT: 13.898 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133250.D

Acq: 05 May 2023 01:13

Instrument :

BNA_F

ClientSampleId :

ZONE-D-3-6-05022023

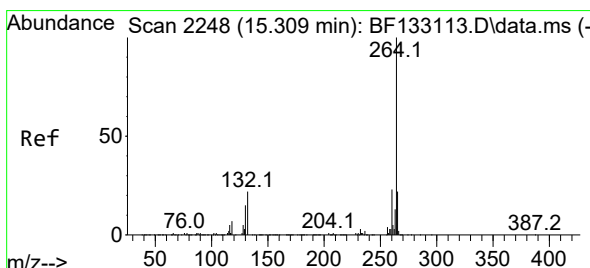
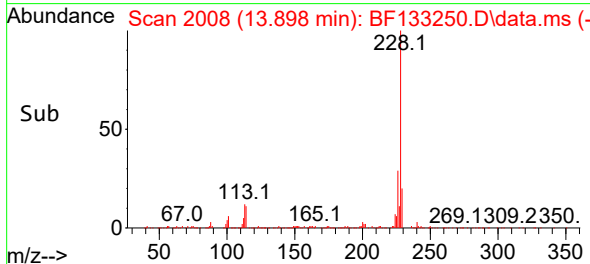
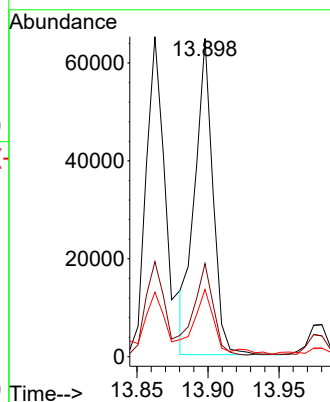
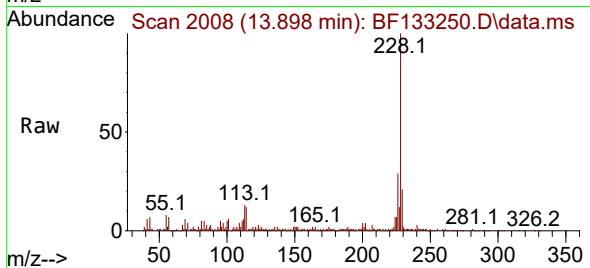
Tgt Ion:228 Resp: 57382

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

229 21.1 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: BF133250.D

Acq: 05 May 2023 01:13

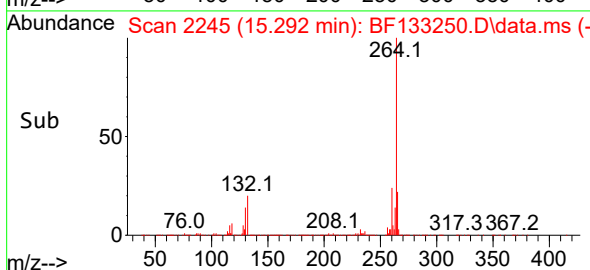
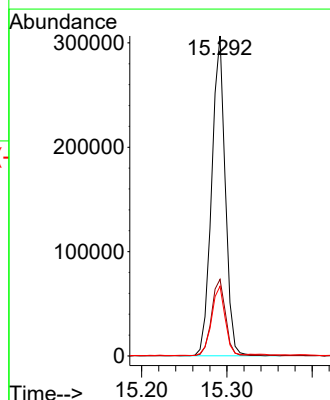
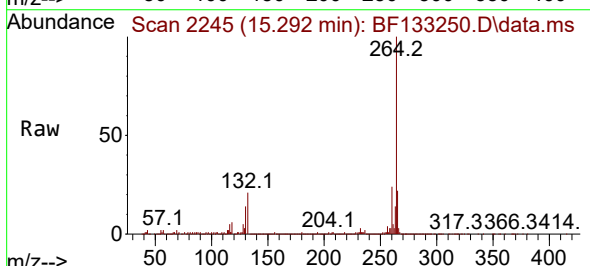
Tgt Ion:264 Resp: 340544

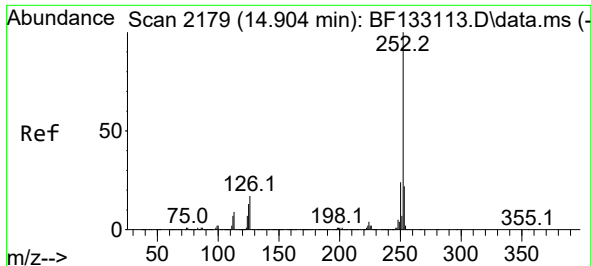
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.8 17.0 25.4

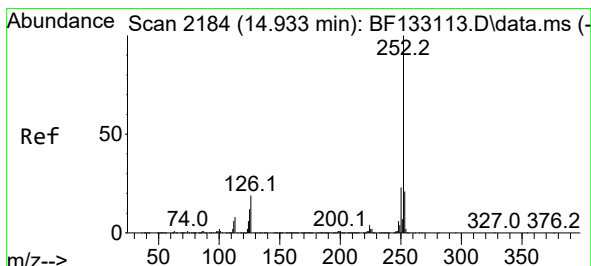
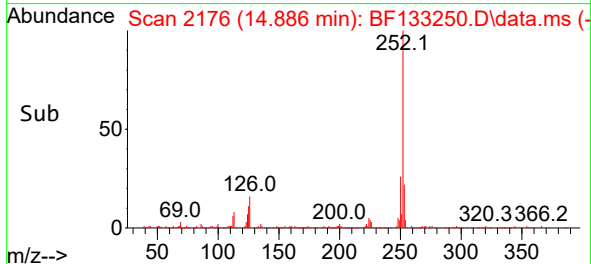
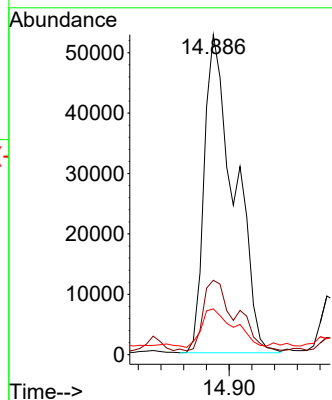
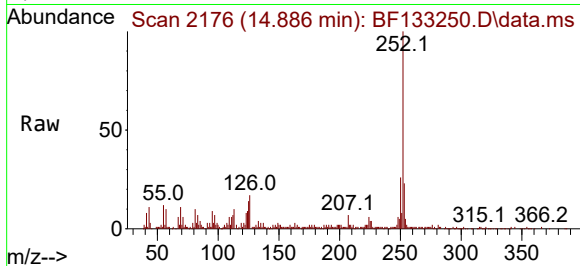




#88
Benzo(b)fluoranthene
Concen: 4.475 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

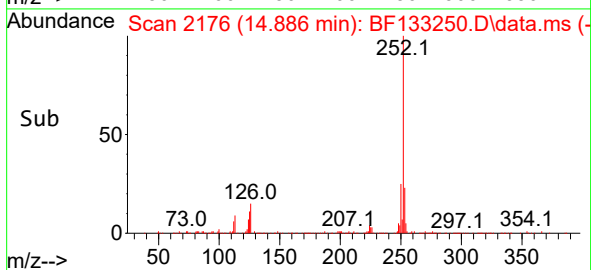
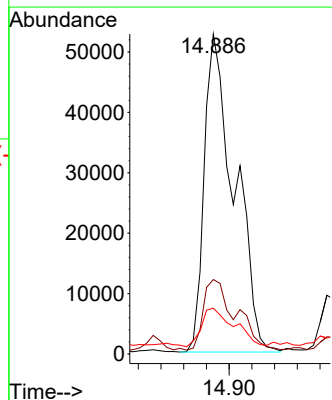
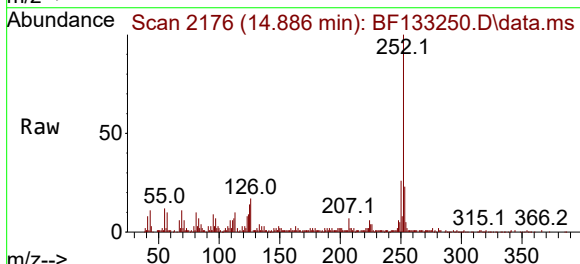
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

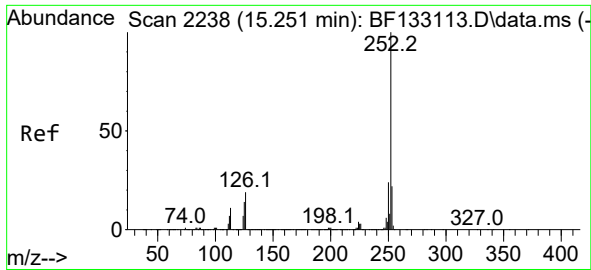
Tgt Ion:252 Resp: 96953
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 14.3 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 4.514 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.041 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

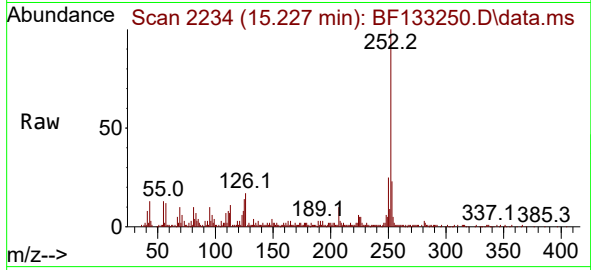
Tgt Ion:252 Resp: 96953
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 14.3 9.0 13.4#





#90
Benzo(a)pyrene
Concen: 2.493 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:252	Resp:	49153
Ion	Ratio	Lower Upper
252	100	
253	23.4	17.7 26.5
125	14.4	10.5 15.7

