

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133247.D
 Acq On : 04 May 2023 23:41
 Operator : CG\JU
 Sample : 02588-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-0-3-05012023

Quant Time: May 05 05:34:06 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

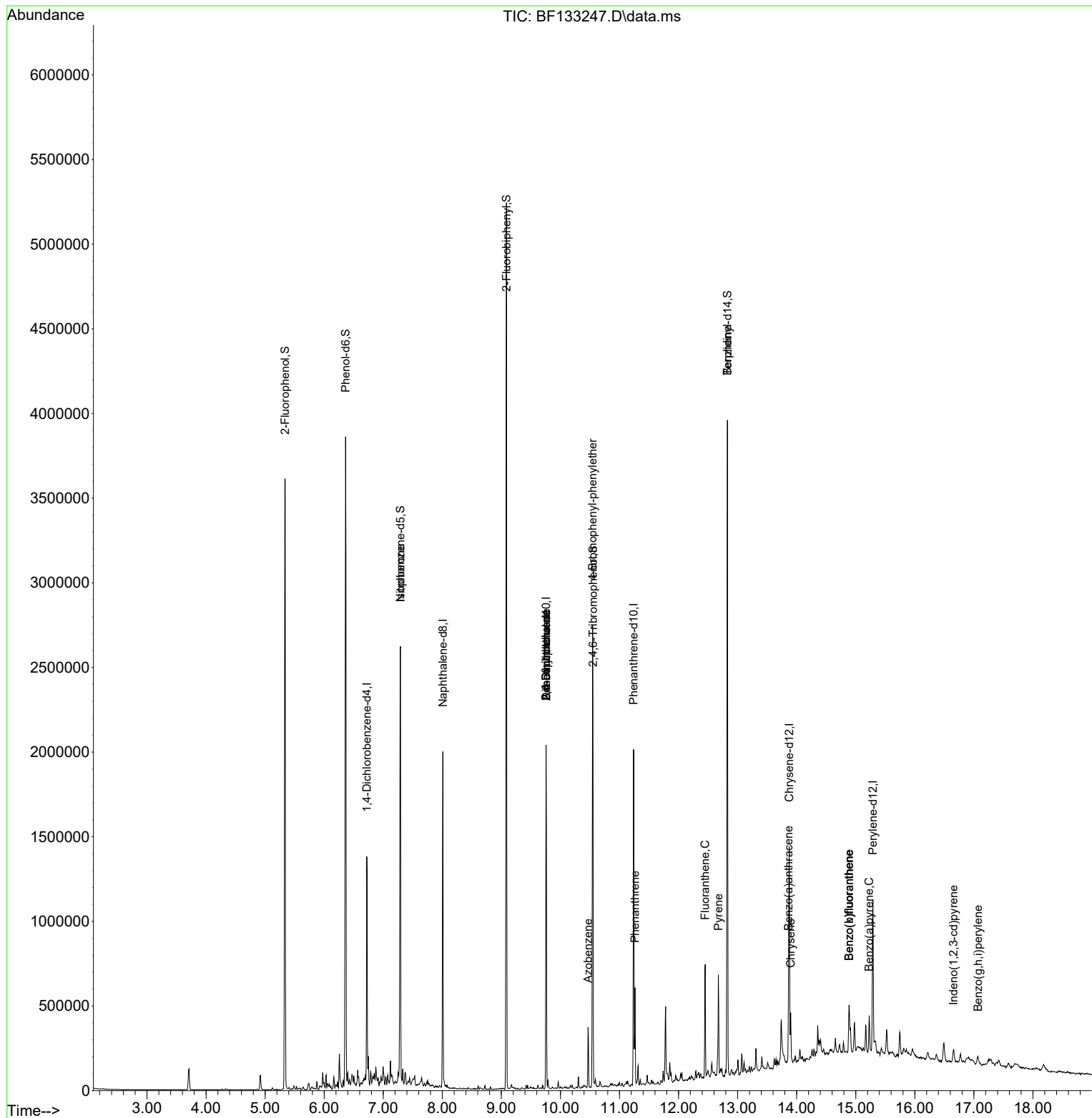
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	187013	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	750004	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	387860	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	637417	20.000	ng	0.00
76) Chrysene-d12	13.874	240	367865	20.000	ng	-0.01
86) Perylene-d12	15.292	264	396627	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	1110522	89.703	ng	0.00
7) Phenol-d6	6.363	99	1416460	92.181	ng	-0.01
23) Nitrobenzene-d5	7.292	82	868776	62.525	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	333804	85.576	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1475303	63.636	ng	0.00
79) Terphenyl-d14	12.827	244	1241926	58.225	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	2826	Below Cal		Qvalue # 68
25) Isophorone	7.292	82	864850	32.782	ng	# 63
50) Dimethylphthalate	9.757	163	72476	2.680	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	51039	8.385	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	51040	6.575	ng	# 23
63) Azobenzene	10.469	77	57751	2.134	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	20685	2.992	ng	# 1
71) Phenanthrene	11.263	178	182595	5.330	ng	99
75) Fluoranthene	12.451	202	266534	7.752	ng	96
77) Benzidine	12.827	184	15000	2.411	ng	# 91
78) Pyrene	12.674	202	216455	6.864	ng	98
81) Benzo(a)anthracene	13.862	228	98180	3.881	ng	98
83) Chrysene	13.898	228	104460	4.130	ng	98
87) Indeno(1,2,3-cd)pyrene	16.656	276	47314	2.097	ng	95
88) Benzo(b)fluoranthene	14.886	252	190800	7.562	ng	# 96
89) Benzo(k)fluoranthene	14.886	252	190800	7.628	ng	# 96
90) Benzo(a)pyrene	15.227	252	92677	4.035	ng	97
92) Benzo(g,h,i)perylene	17.068	276	41212	2.218	ng	93

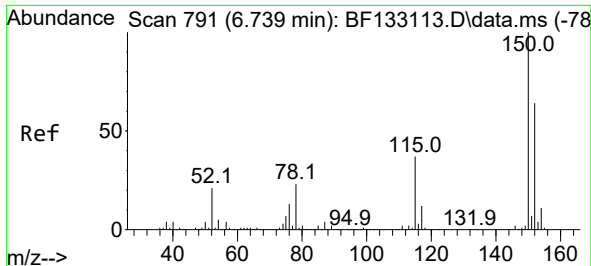
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133247.D
Acq On : 04 May 2023 23:41
Operator : CG\JU
Sample : 02588-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

Quant Time: May 05 05:34:06 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

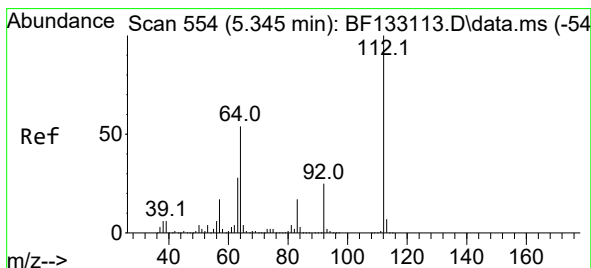
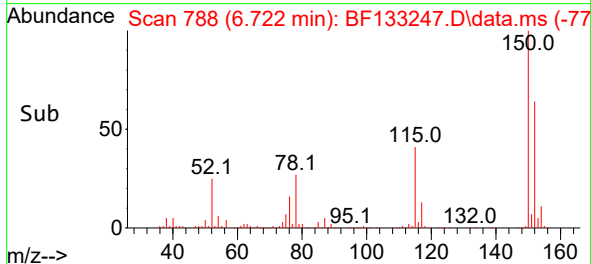
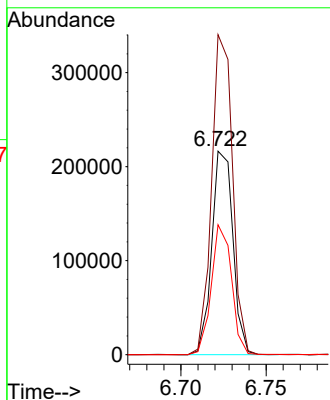
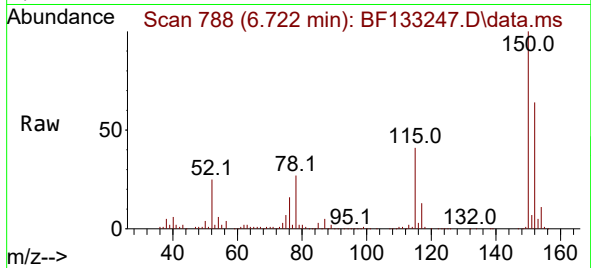




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

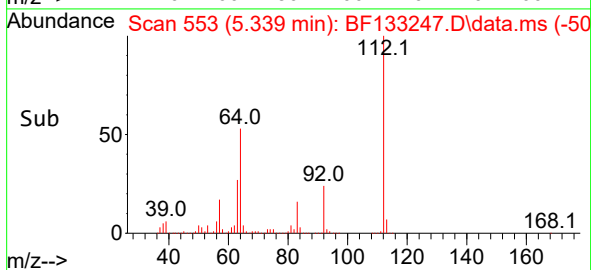
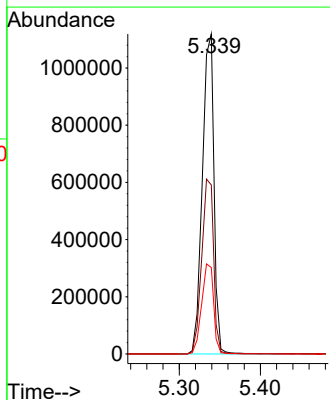
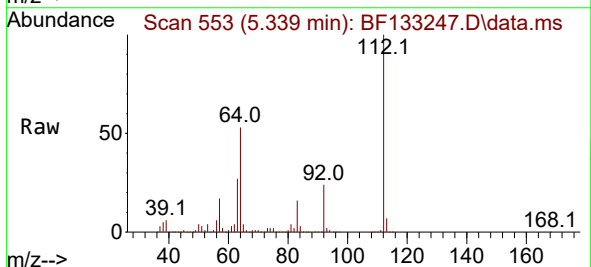
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

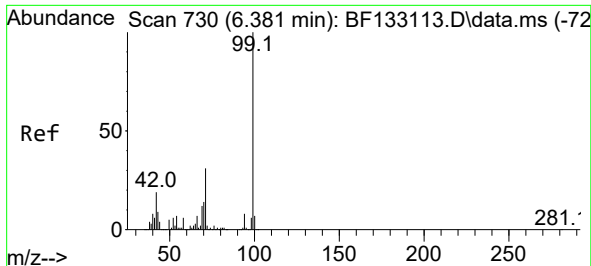
Tgt Ion:152 Resp: 187013
Ion Ratio Lower Upper
152 100
150 157.2 124.8 187.2
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 89.703 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:112 Resp: 1110522
Ion Ratio Lower Upper
112 100
64 52.8 46.8 70.2
63 27.0 23.8 35.8

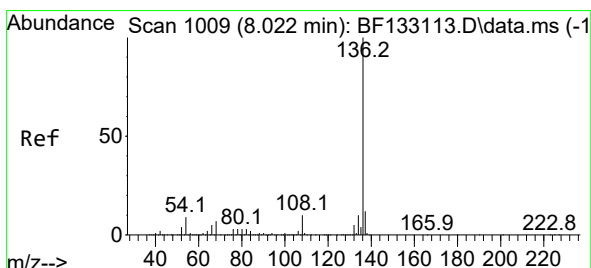
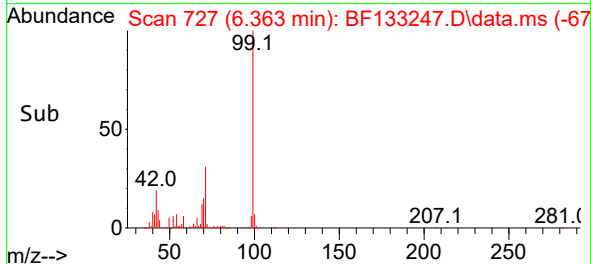
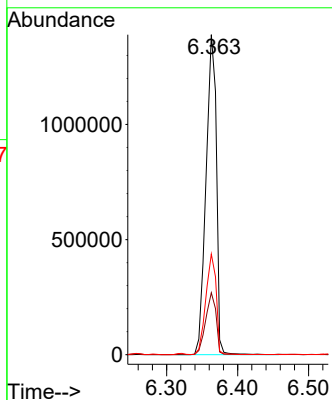
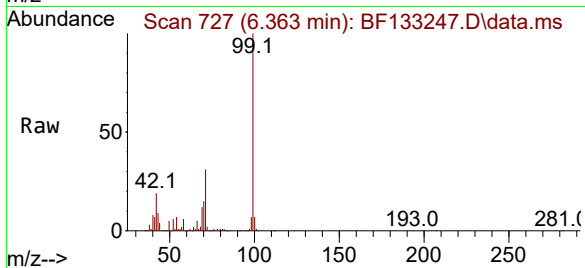




#7
Phenol-d6
Concen: 92.181 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

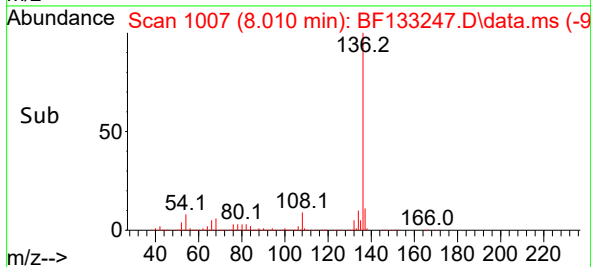
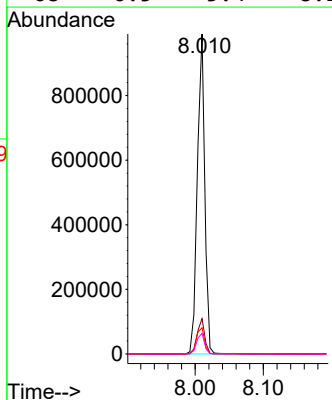
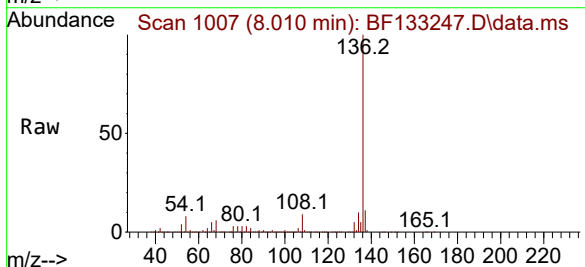
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

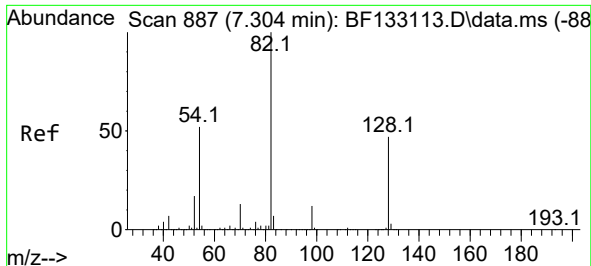
Tgt Ion: 99 Resp: 1416460
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion: 136 Resp: 750004
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 62.525 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023

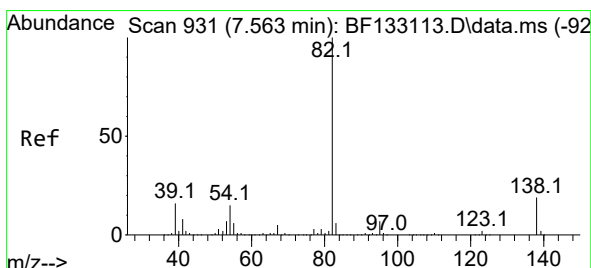
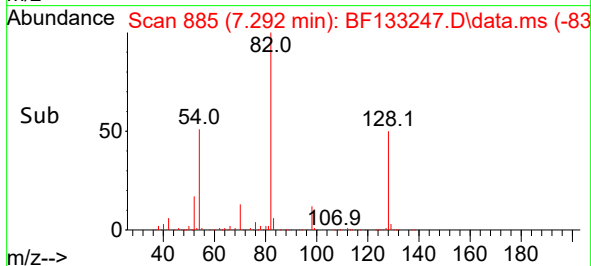
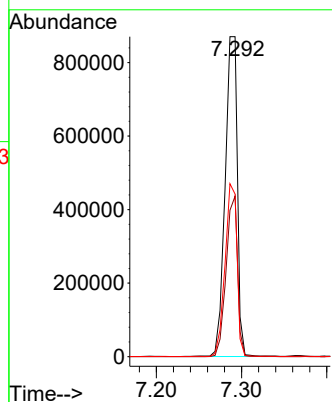
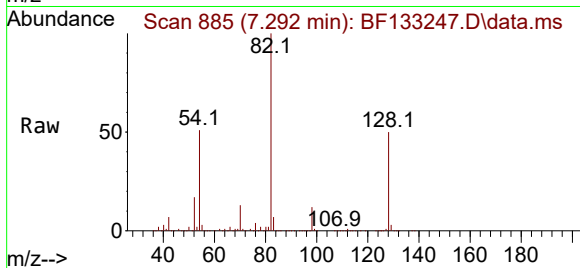
Tgt Ion: 82 Resp: 868776

Ion Ratio Lower Upper

82 100

128 50.2 37.7 56.5

54 50.8 43.0 64.4



#25

Isophorone

Concen: 32.782 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.265 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

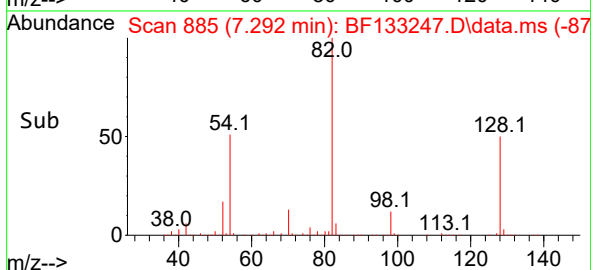
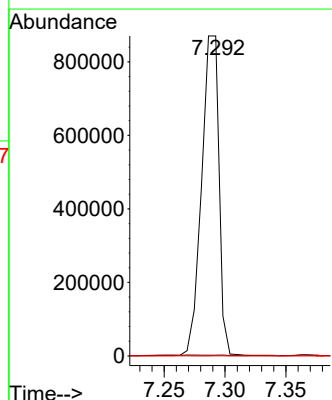
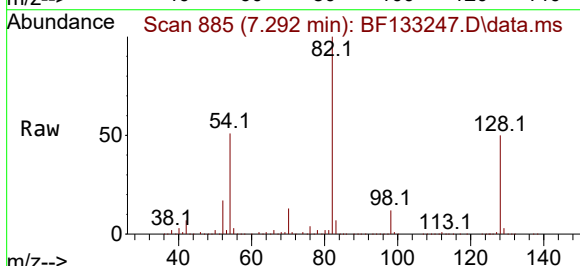
Tgt Ion: 82 Resp: 864850

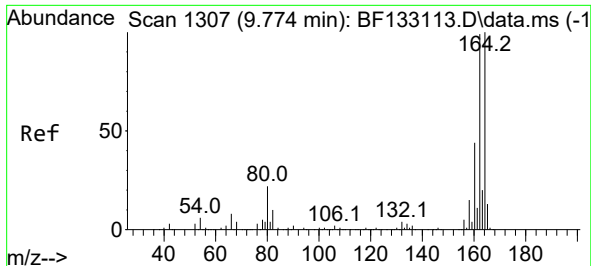
Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#

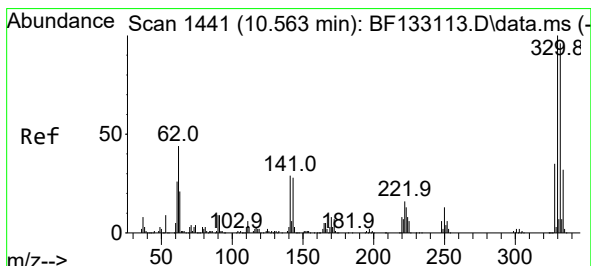
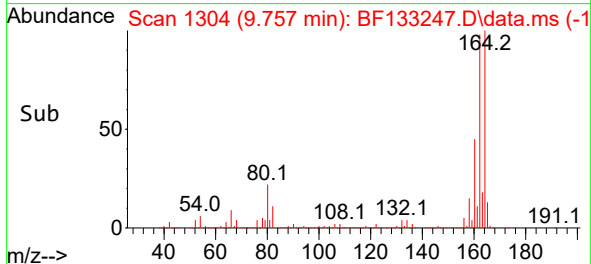
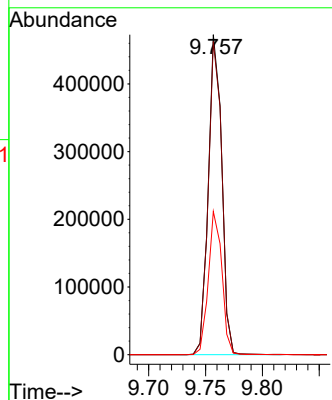
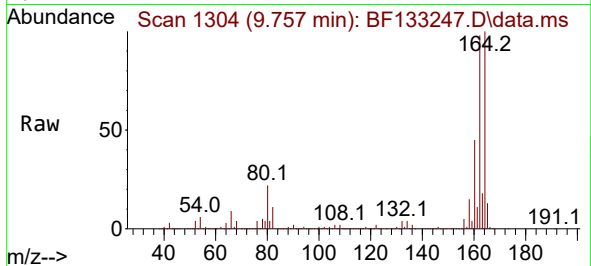




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

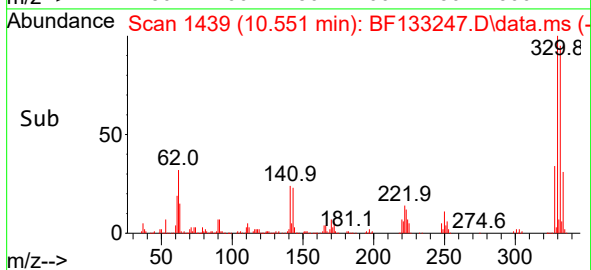
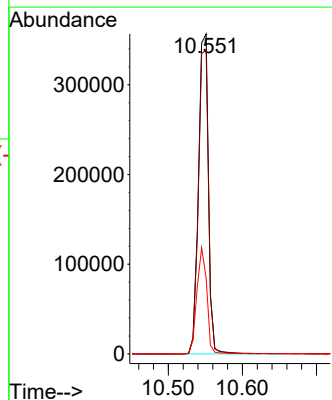
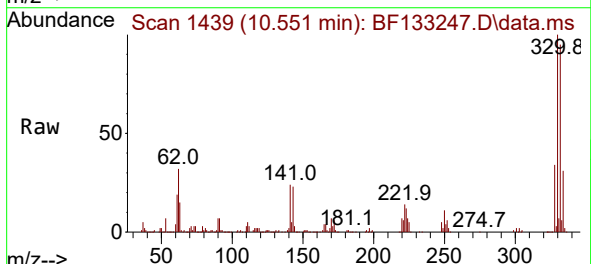
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

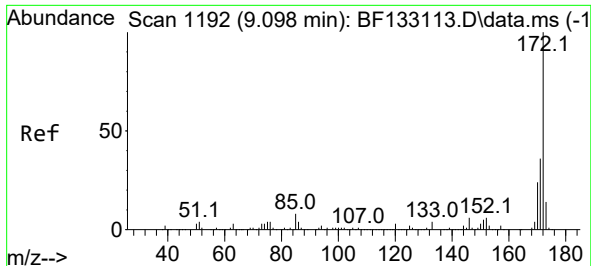
Tgt Ion:164 Resp: 387860
Ion Ratio Lower Upper
164 100
162 97.8 78.7 118.1
160 44.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 85.576 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:330 Resp: 333804
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 33.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 63.636 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023

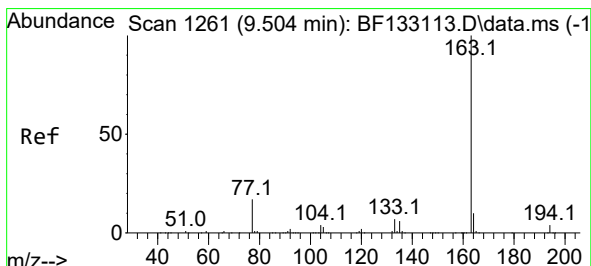
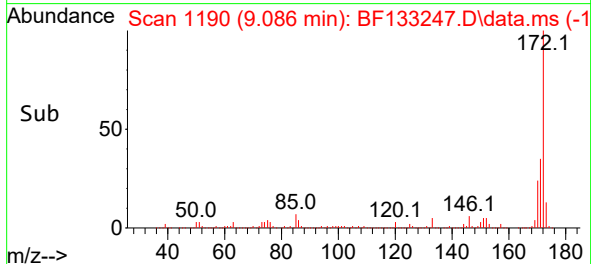
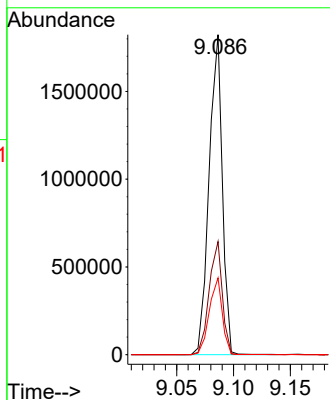
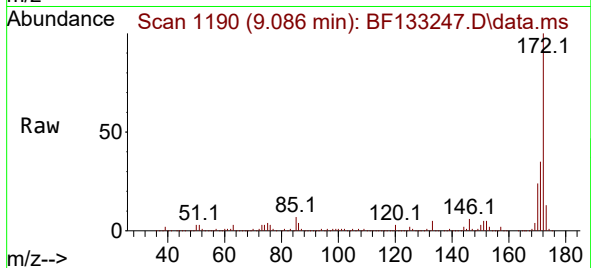
Tgt Ion:172 Resp: 1475303

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 24.0 19.4 29.2



#50

Dimethylphthalate

Concen: 2.680 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.259 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

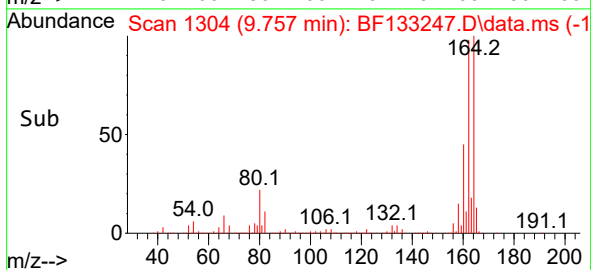
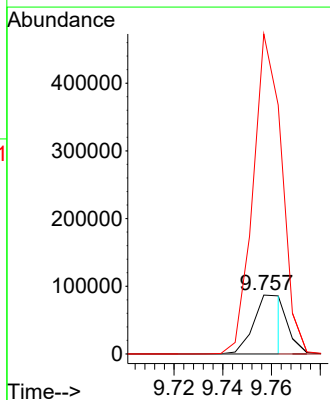
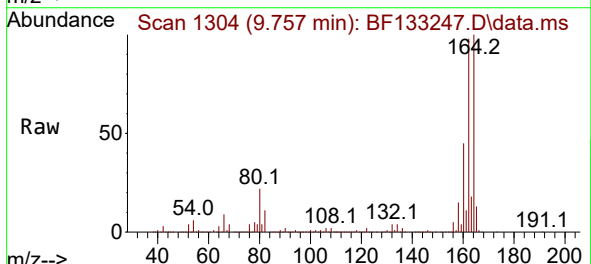
Tgt Ion:163 Resp: 72476

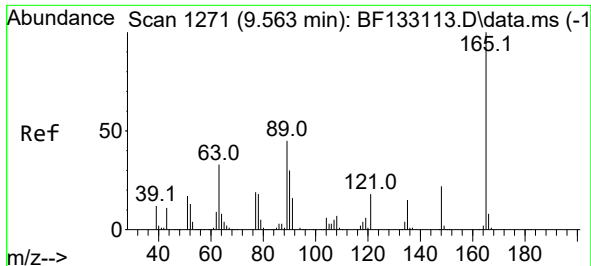
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 543.3 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 8.385 ng

RT: 9.757 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023

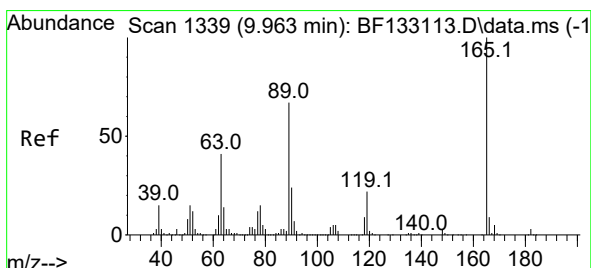
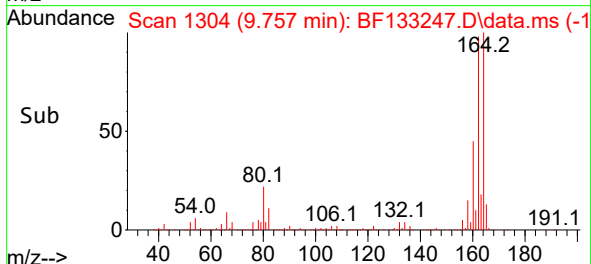
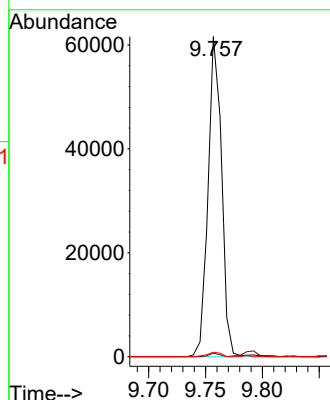
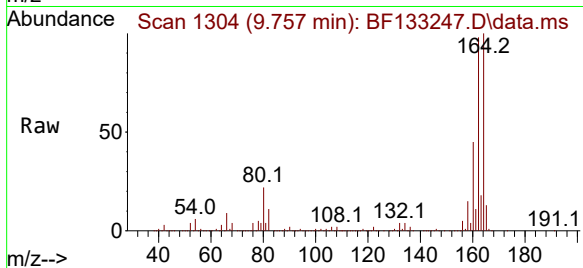
Tgt Ion:165 Resp: 51039

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.4 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.575 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.200 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Tgt Ion:165 Resp: 51040

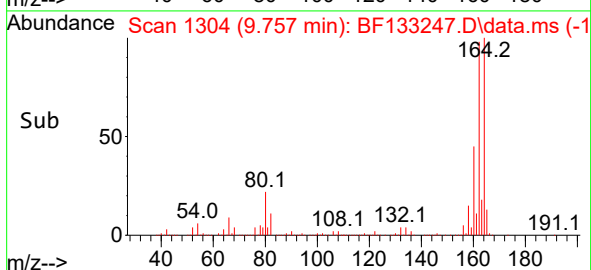
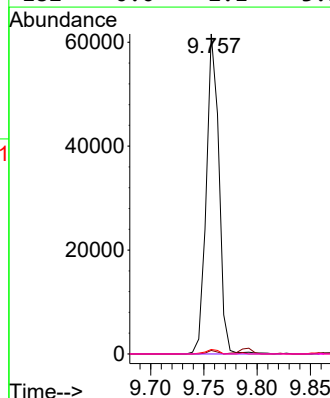
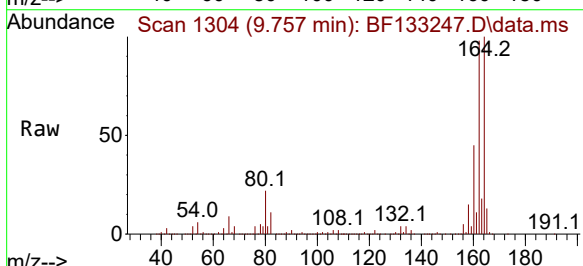
Ion Ratio Lower Upper

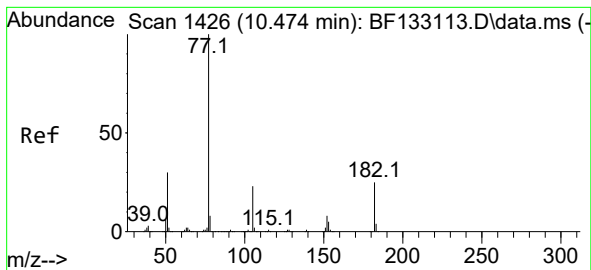
165 100

63 1.1 37.7 56.5#

89 1.4 57.0 85.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.134 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023

Tgt Ion: 77 Resp: 57751

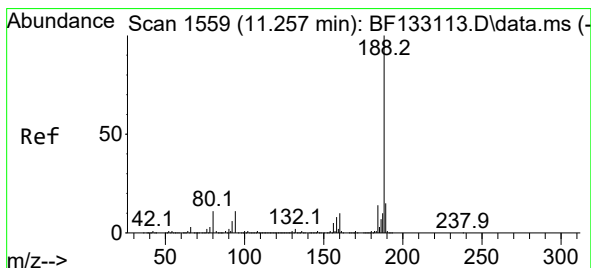
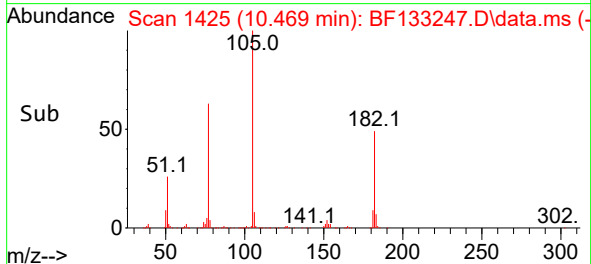
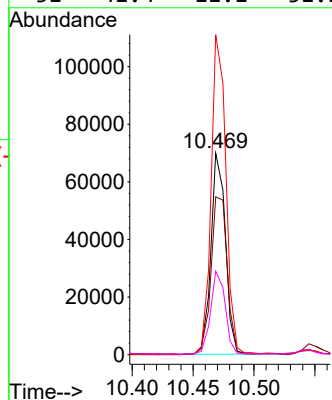
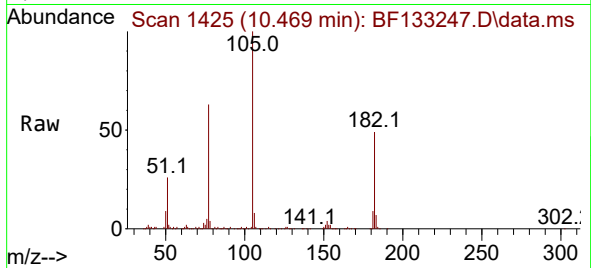
Ion Ratio Lower Upper

77 100

182 78.4 5.9 45.9#

105 158.8 2.3 42.3#

51 41.4 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: BF133247.D

Acq: 04 May 2023 23:41

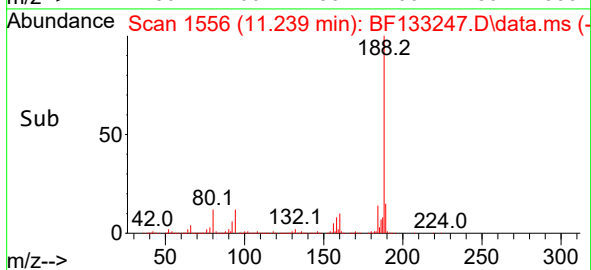
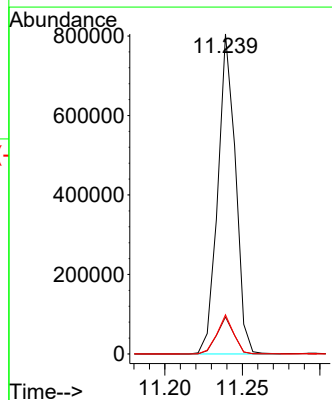
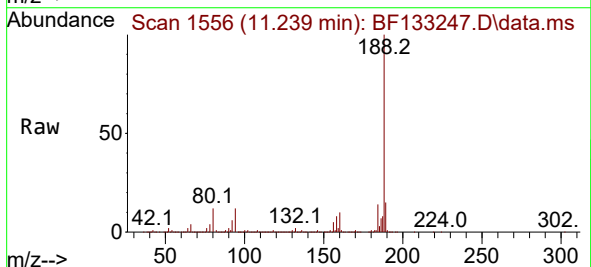
Tgt Ion:188 Resp: 637417

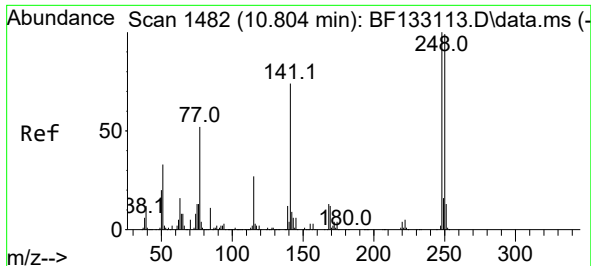
Ion Ratio Lower Upper

188 100

94 11.6 9.7 14.5

80 12.2 10.4 15.6

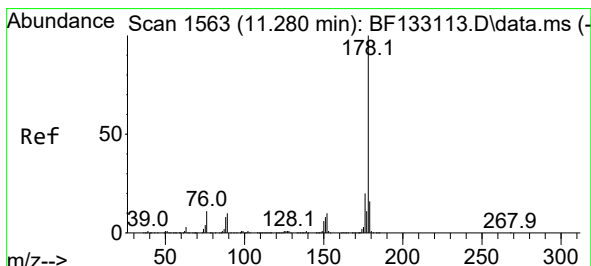
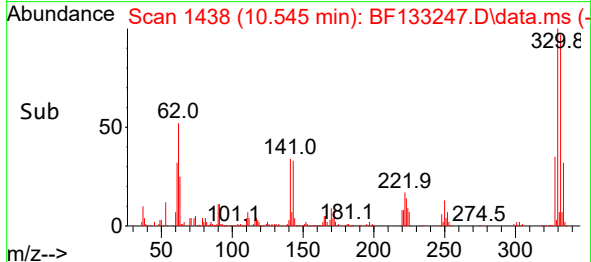
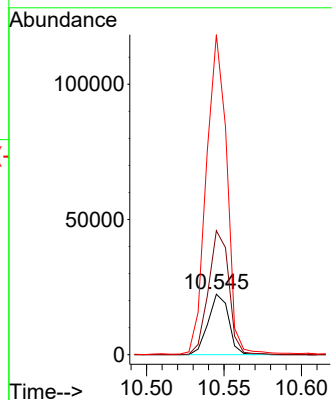
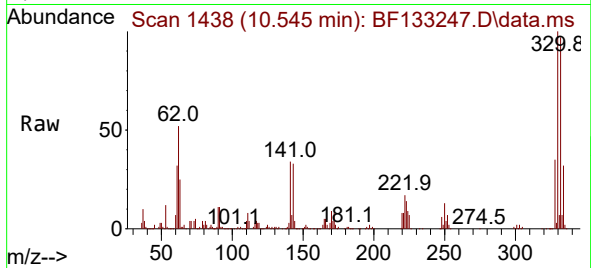




#67
4-Bromophenyl-phenylether
Concen: 2.992 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

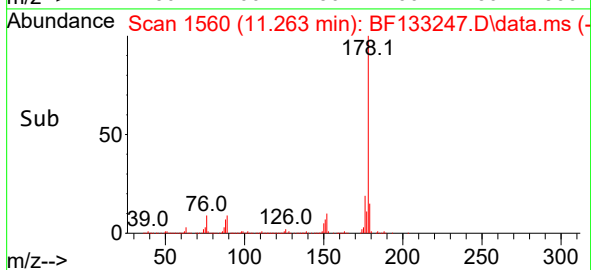
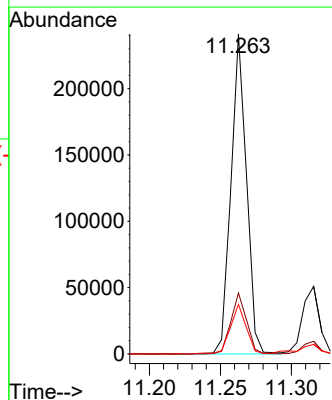
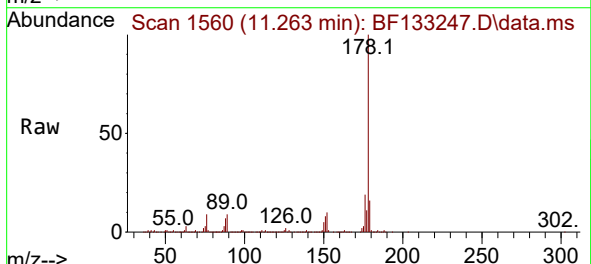
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

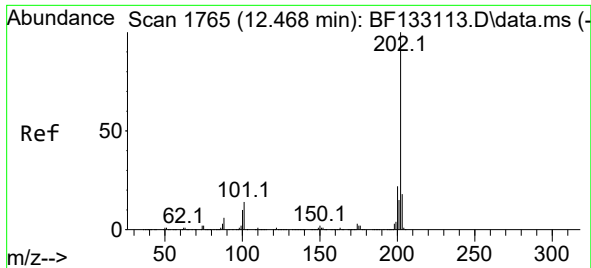
Tgt Ion:248 Resp: 20685
Ion Ratio Lower Upper
248 100
250 205.3 78.7 118.1#
141 529.5 56.3 84.5#



#71
Phenanthrene
Concen: 5.330 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:178 Resp: 182595
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7

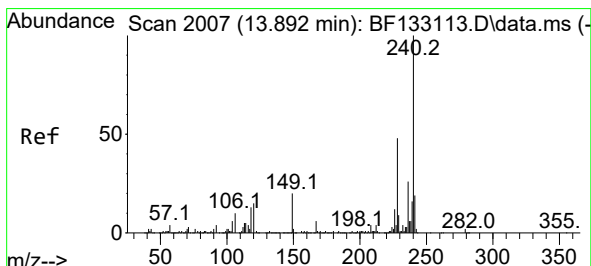
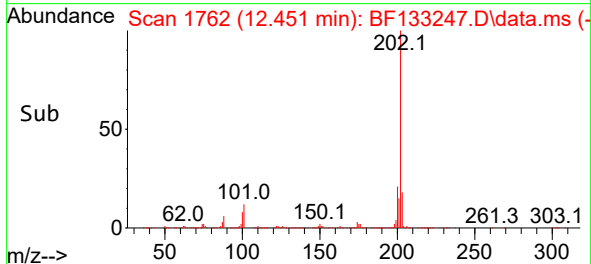
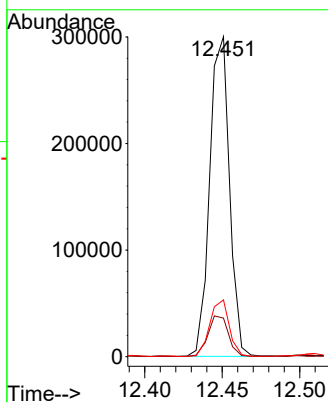
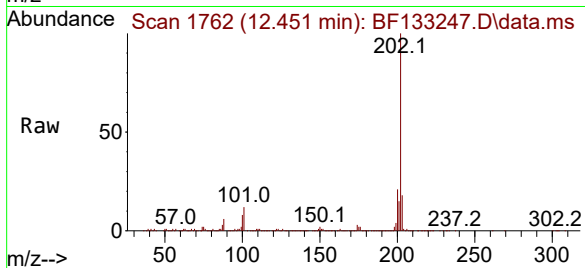




#75
Fluoranthene
Concen: 7.752 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

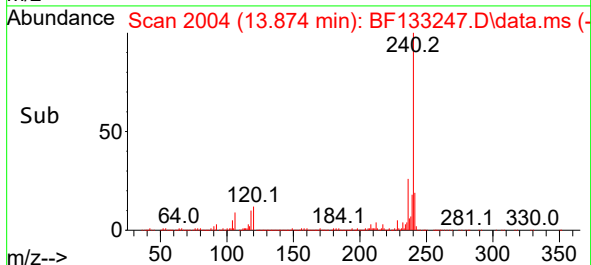
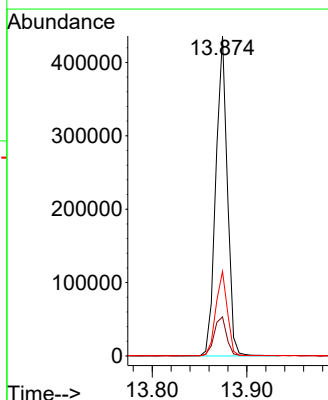
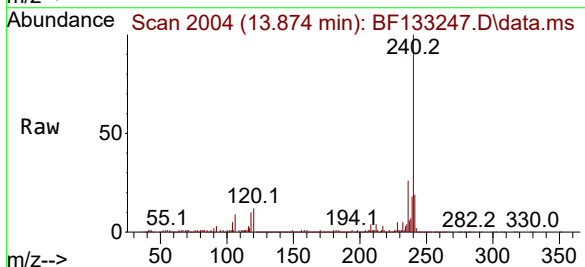
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

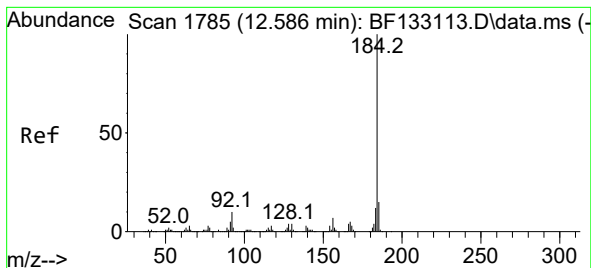
Tgt Ion:202 Resp: 266534
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:240 Resp: 367865
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.4 21.5 32.3





#77

Benzidine

Concen: 2.411 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023

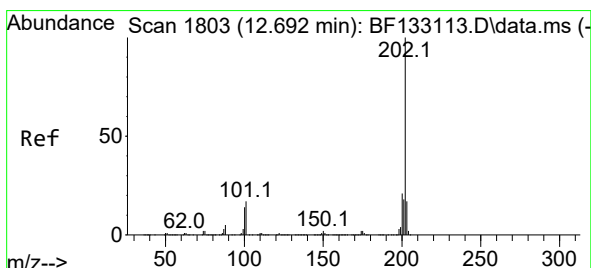
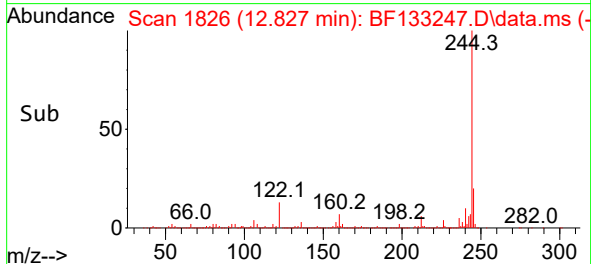
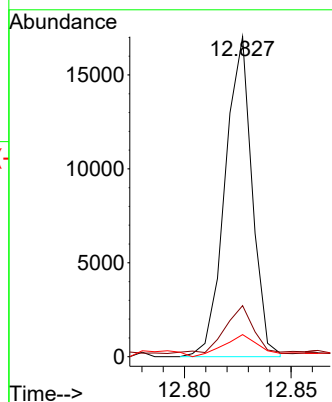
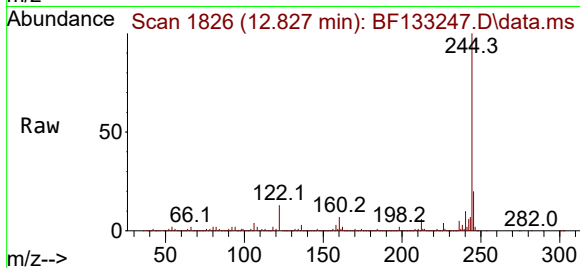
Tgt Ion:184 Resp: 15000

Ion Ratio Lower Upper

184 100

185 16.0 15.4 23.2

183 6.9 9.4 14.0#



#78

Pyrene

Concen: 6.864 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133247.D

Acq: 04 May 2023 23:41

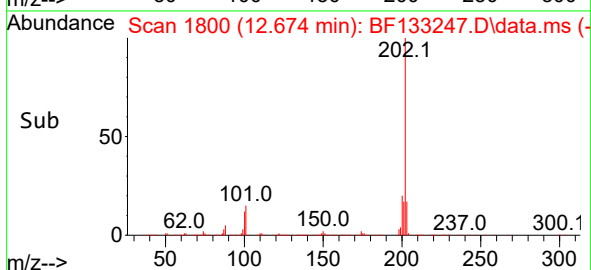
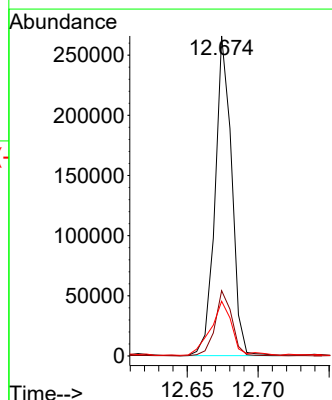
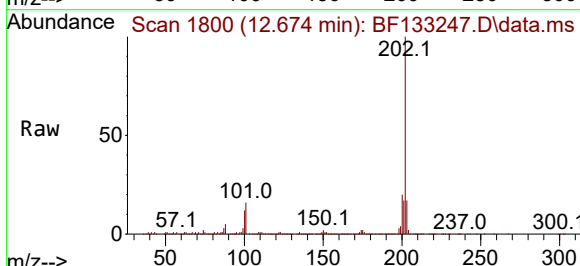
Tgt Ion:202 Resp: 216455

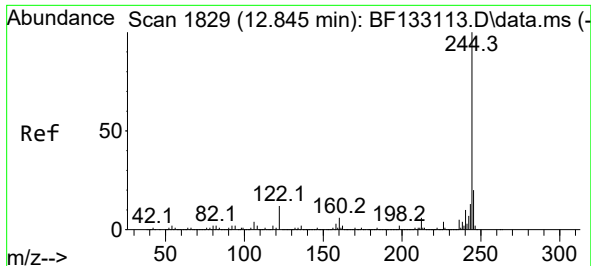
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.1 14.1 21.1

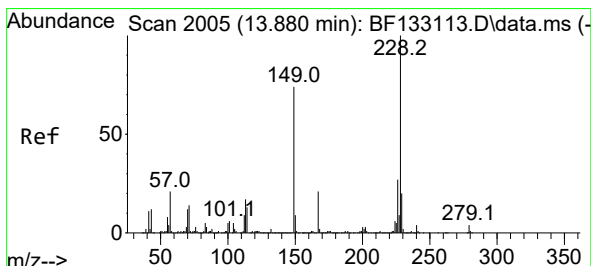
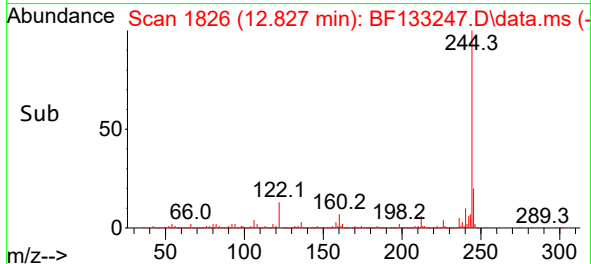
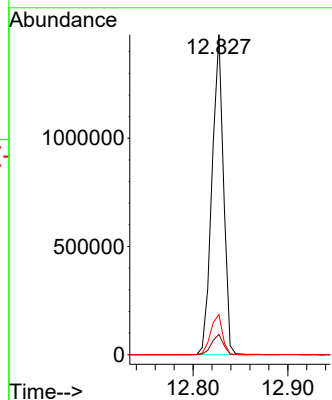
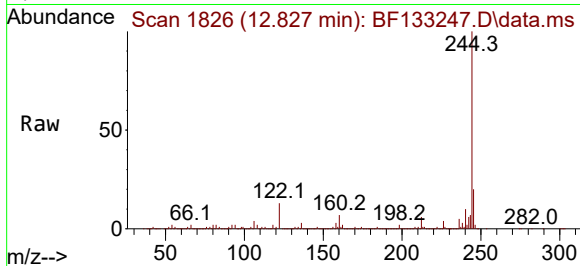




#79
 Terphenyl-d14
 Concen: 58.225 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133247.D
 Acq: 04 May 2023 23:41

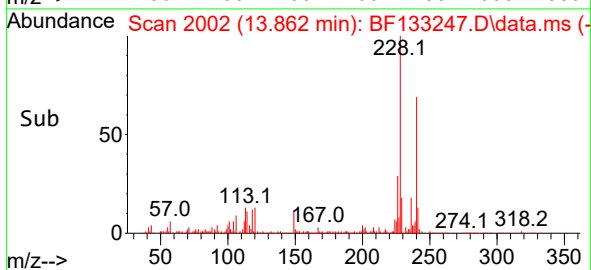
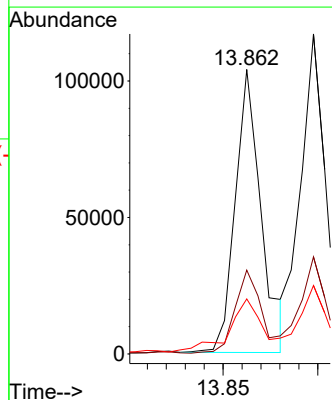
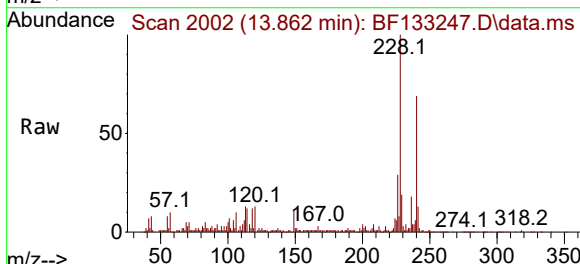
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-0-3-05012023

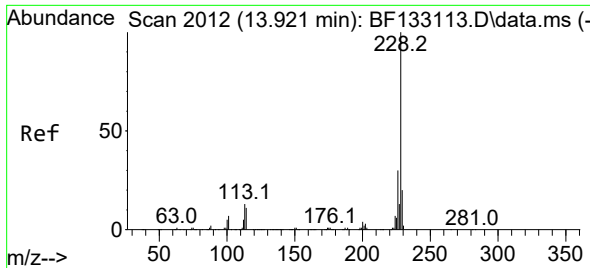
Tgt Ion:244 Resp: 1241926
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.6 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 3.881 ng
 RT: 13.862 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133247.D
 Acq: 04 May 2023 23:41

Tgt Ion:228 Resp: 98180
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.2 33.4
 229 19.4 16.0 24.0

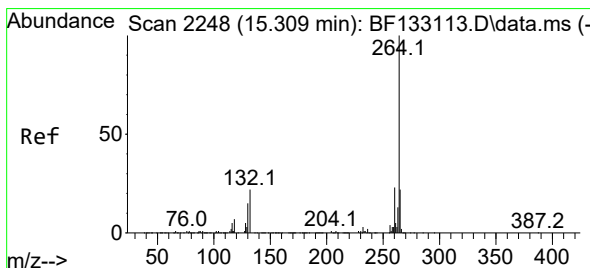
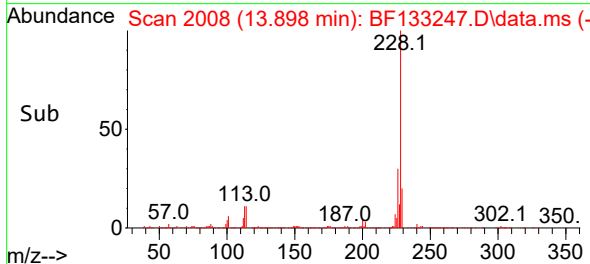
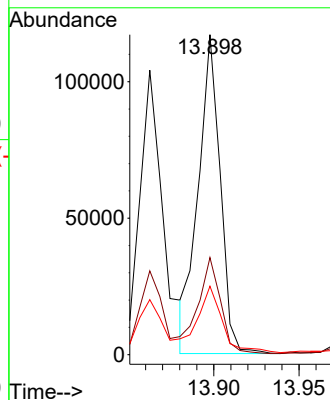
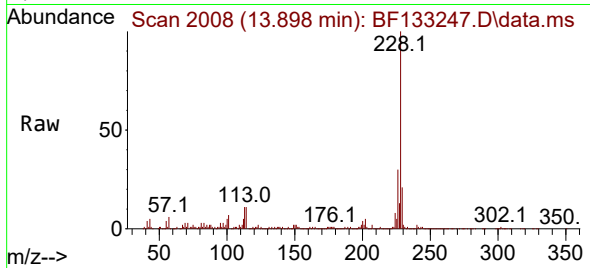




#83
Chrysene
Concen: 4.130 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

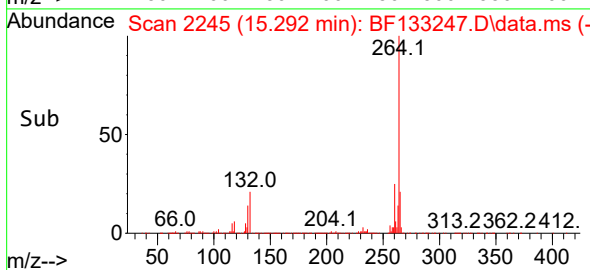
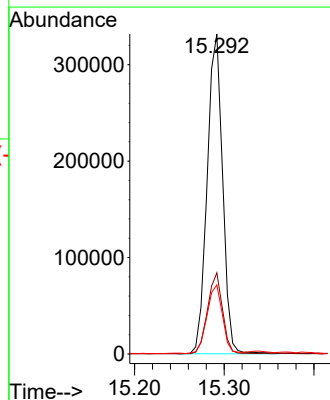
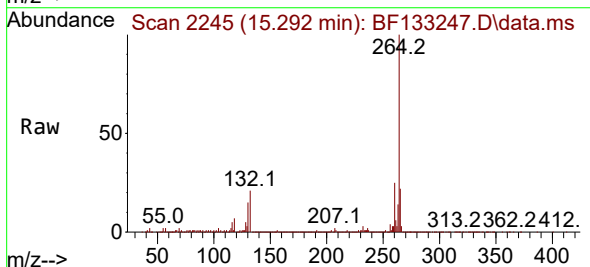
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

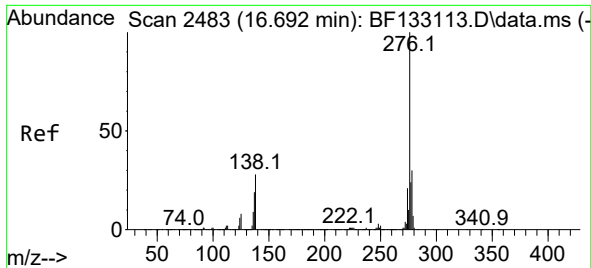
Tgt Ion:228 Resp: 104460
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 21.4 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:264 Resp: 396627
Ion Ratio Lower Upper
264 100
260 25.3 18.8 28.2
265 21.6 17.0 25.4

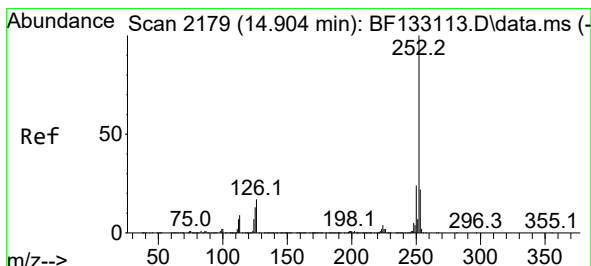
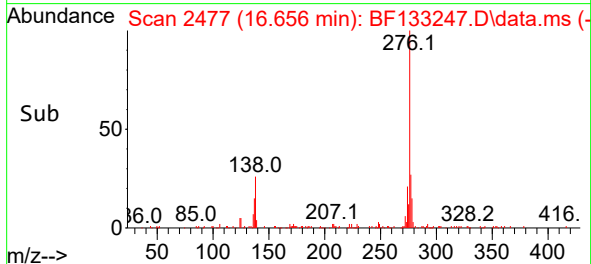
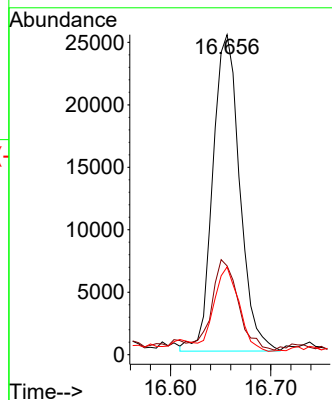
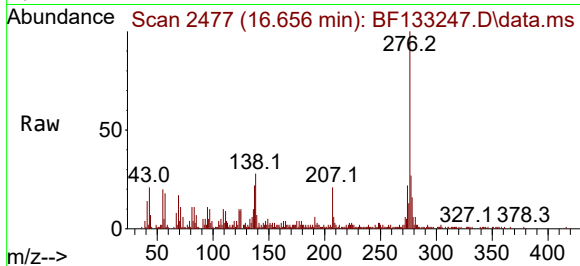




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.097 ng
 RT: 16.656 min Scan# 2483
 Delta R.T. -0.018 min
 Lab File: BF133247.D
 Acq: 04 May 2023 23:41

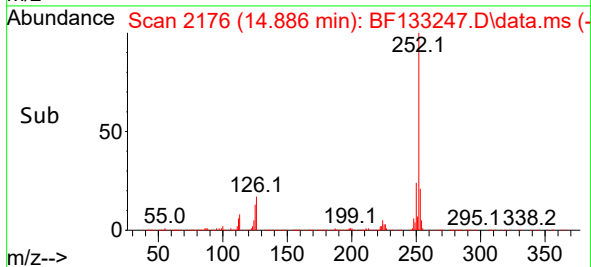
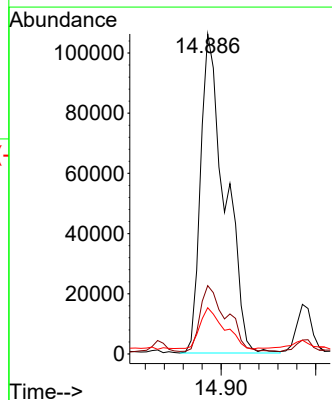
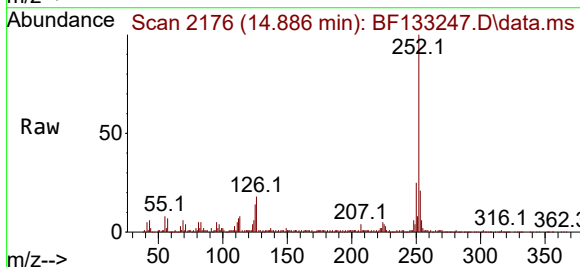
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-0-3-05012023

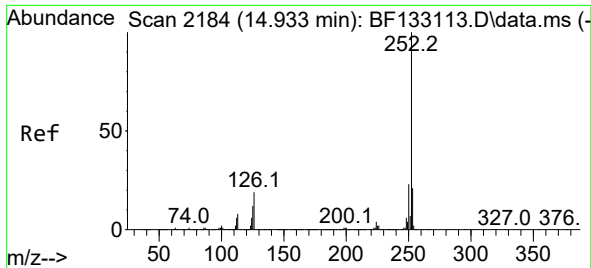
Tgt Ion:276 Resp: 47314
 Ion Ratio Lower Upper
 276 100
 138 28.2 25.5 38.3
 277 24.3 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 7.562 ng
 RT: 14.886 min Scan# 2176
 Delta R.T. -0.012 min
 Lab File: BF133247.D
 Acq: 04 May 2023 23:41

Tgt Ion:252 Resp: 190800
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.6 26.4
 125 14.5 8.9 13.3#

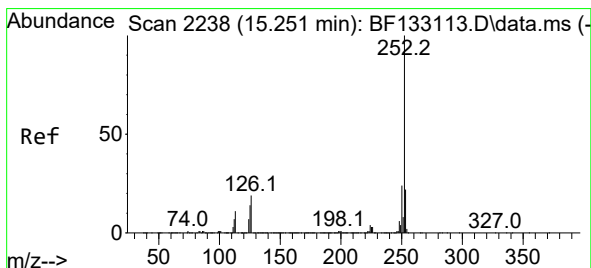
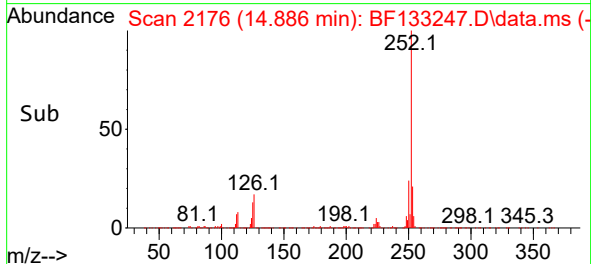
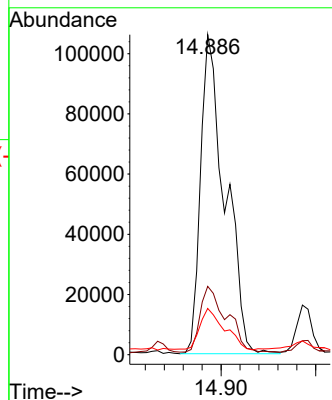
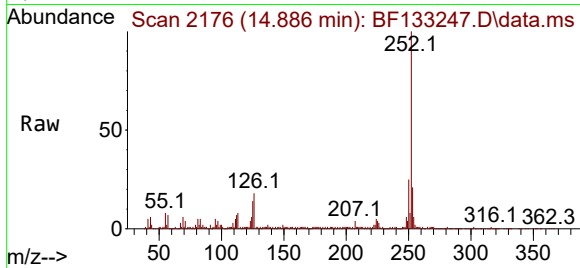




#89
Benzo(k)fluoranthene
Concen: 7.628 ng
RT: 14.886 min Scan# 2184
Delta R.T. -0.041 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

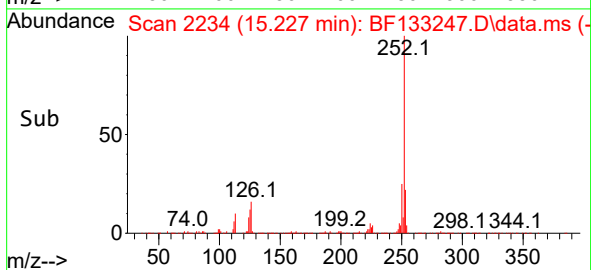
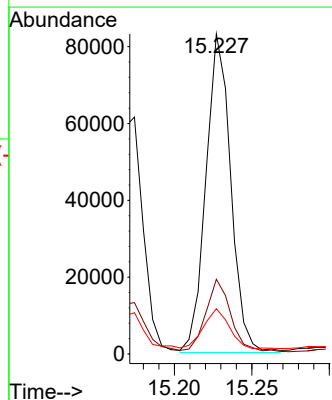
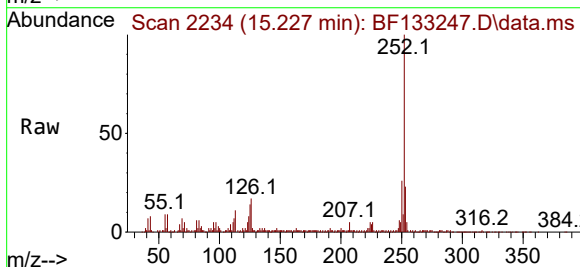
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

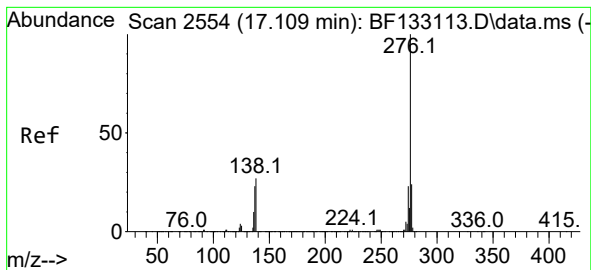
Tgt Ion:252 Resp: 190800
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 14.5 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 4.035 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

Tgt Ion:252 Resp: 92677
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 14.1 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.218 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF133247.D

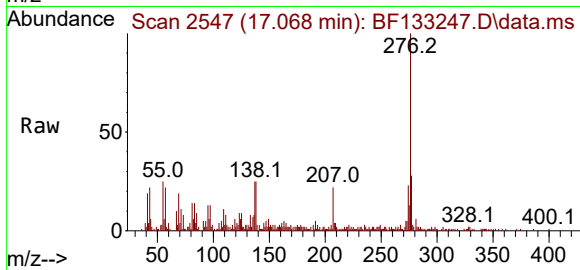
Acq: 04 May 2023 23:41

Instrument :

BNA_F

ClientSampleId :

ZONE-C-0-3-05012023



Tgt Ion: 276 Resp: 41212

Ion Ratio Lower Upper

276 100

277 27.8 19.4 29.0

138 25.1 22.7 34.1

