

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133240.D
 Acq On : 04 May 2023 20:05
 Operator : CG\JU
 Sample : 02588-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-3-6-05012023

Quant Time: May 05 05:32:08 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)

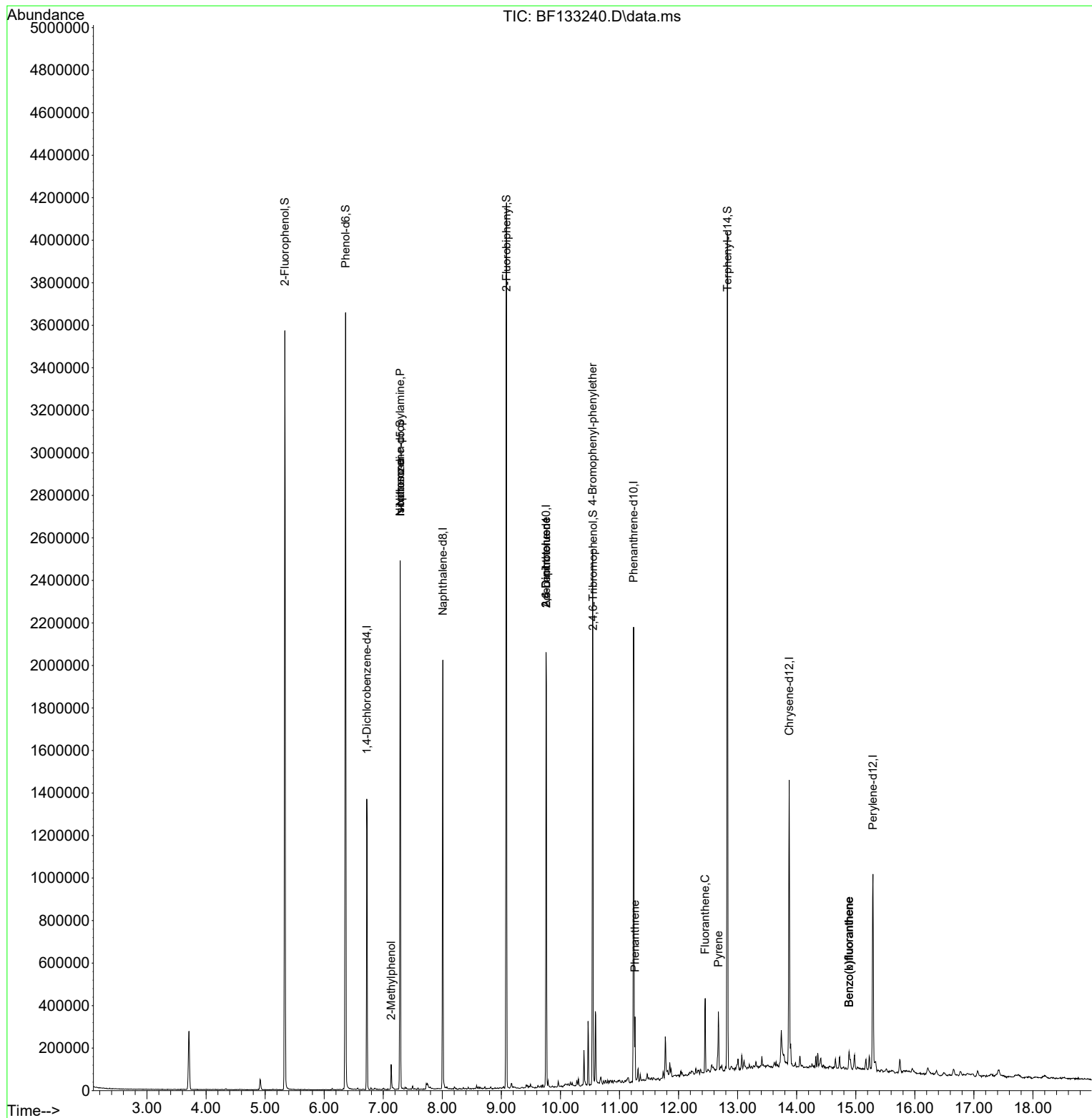
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	196183	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	794641	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	422167	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	754737	20.000	ng	0.00
76) Chrysene-d12	13.874	240	388219	20.000	ng	-0.01
86) Perylene-d12	15.292	264	400420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1028769	79.215	ng	0.00
7) Phenol-d6	6.363	99	1232669	76.470	ng	-0.01
23) Nitrobenzene-d5	7.286	82	737113	50.069	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	288230	67.888	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1223958	48.504	ng	0.00
79) Terphenyl-d14	12.827	244	1297955	57.662	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.269	77	756	Below Cal	#	67
17) 2-Methylphenol	7.133	107	27999	2.319 ng	#	77
19) n-Nitroso-di-n-propyla...	7.286	70	98437	9.809 ng	#	77
25) Isophorone	7.286	82	734460	26.276 ng	#	62
51) 2,6-Dinitrotoluene	9.757	165	55168	8.327 ng	#	24
57) 2,4-Dinitrotoluene	9.757	165	55168	6.529 ng	#	23
67) 4-Bromophenyl-phenylether	10.545	248	18390	2.247 ng	#	1
71) Phenanthrene	11.263	178	88421	2.180 ng		97
75) Fluoranthene	12.451	202	130221	3.199 ng		94
78) Pyrene	12.674	202	107706	3.236 ng		100
88) Benzo(b)fluoranthene	14.886	252	53637	2.106 ng		96
89) Benzo(k)fluoranthene	14.886	252	53637	2.124 ng		96

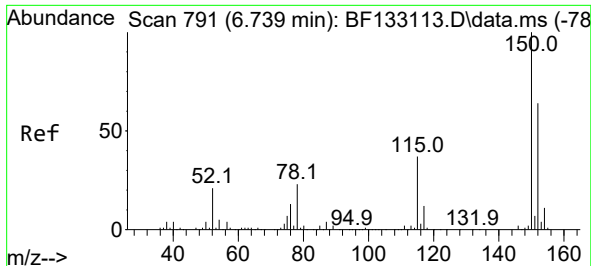
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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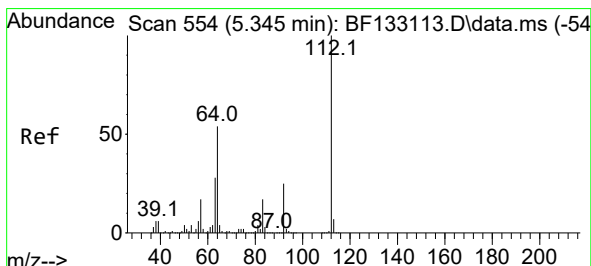
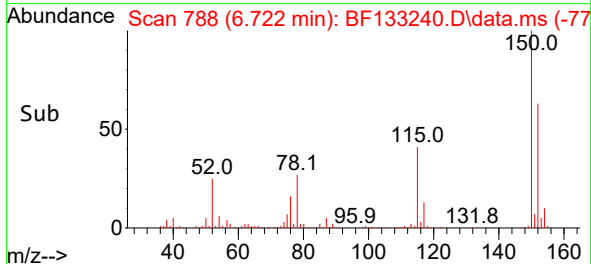
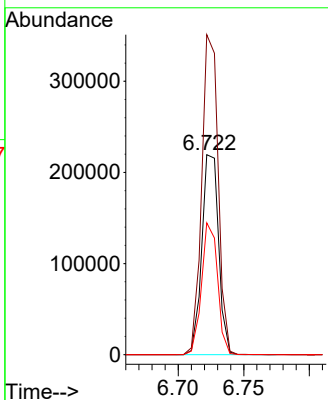
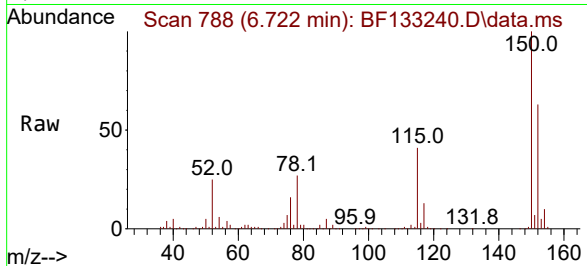




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

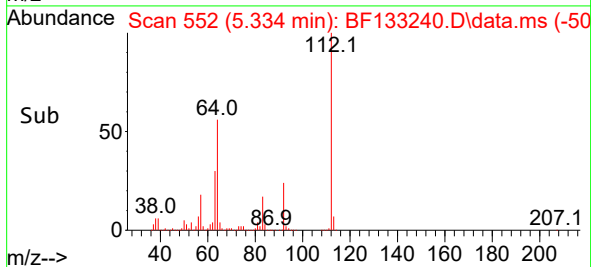
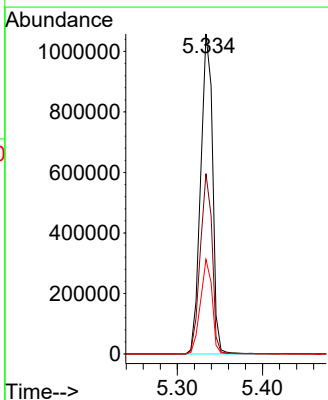
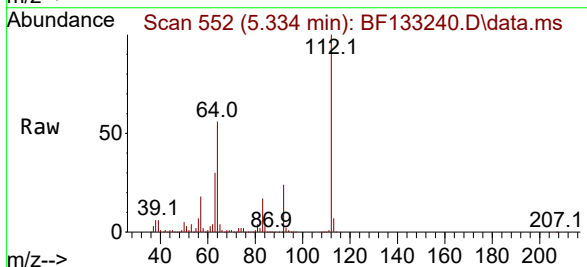
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

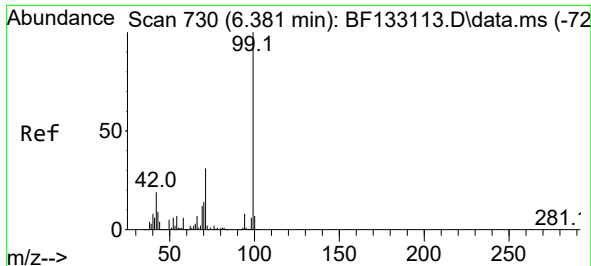
Tgt Ion:152 Resp: 196183
Ion Ratio Lower Upper
152 100
150 160.0 124.8 187.2
115 65.9 49.9 74.9



#5
2-Fluorophenol
Concen: 79.215 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:112 Resp: 1028769
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 29.6 23.8 35.8

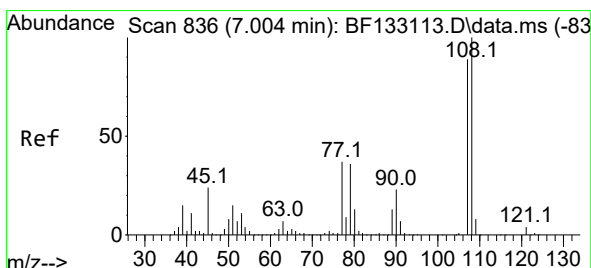
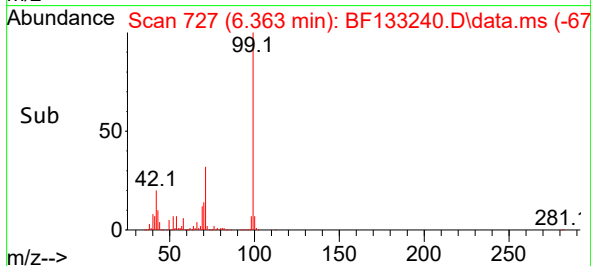
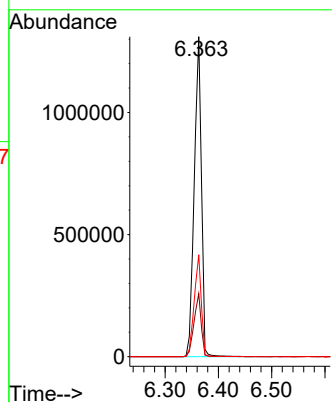
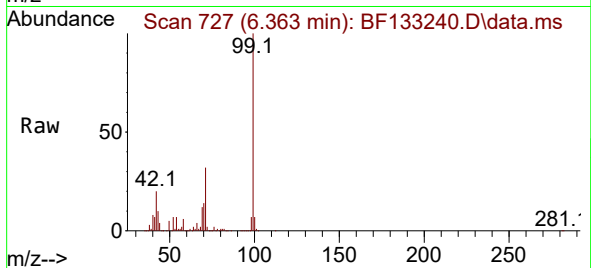




#7
Phenol-d6
Concen: 76.470 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

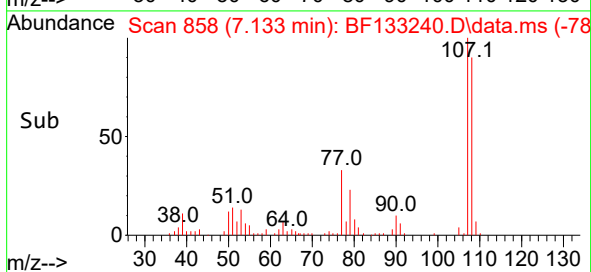
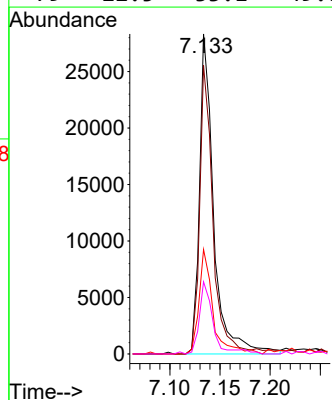
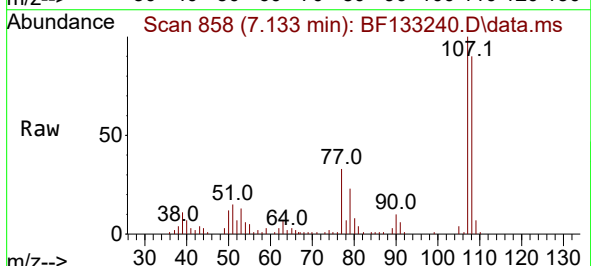
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

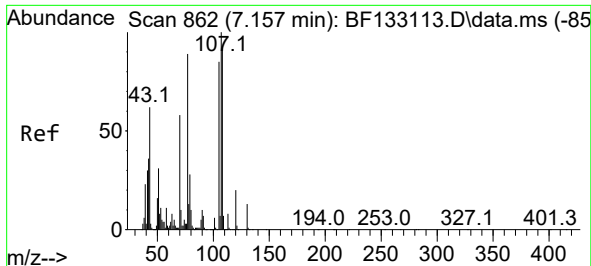
Tgt Ion: 99 Resp: 1232669
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.8 25.6 38.4



#17
2-Methylphenol
Concen: 2.319 ng
RT: 7.133 min Scan# 858
Delta R.T. 0.141 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion: 107 Resp: 27999
Ion Ratio Lower Upper
107 100
108 90.1 92.4 138.6#
77 32.7 33.8 50.8#
79 22.5 33.1 49.7#

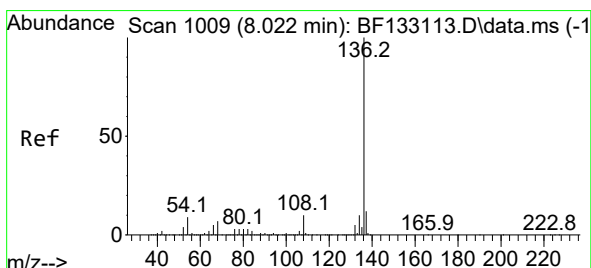
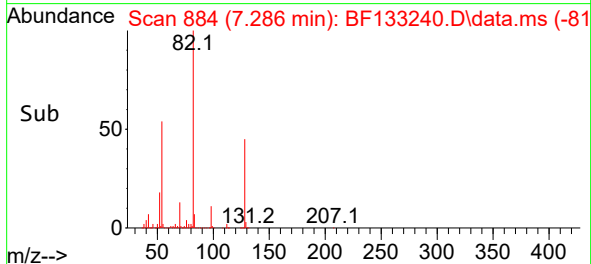
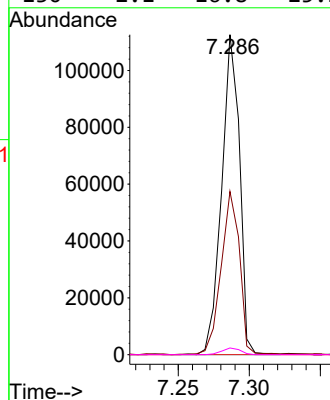
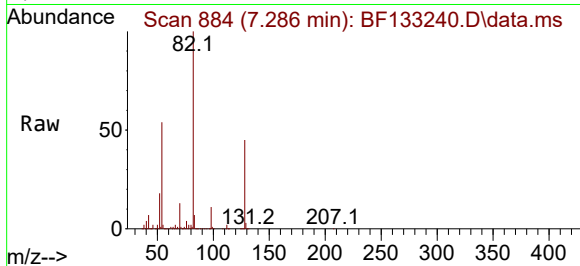




#19
n-Nitroso-di-n-propylamine
Concen: 9.809 ng
RT: 7.286 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

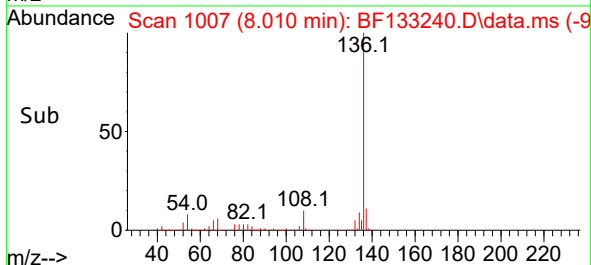
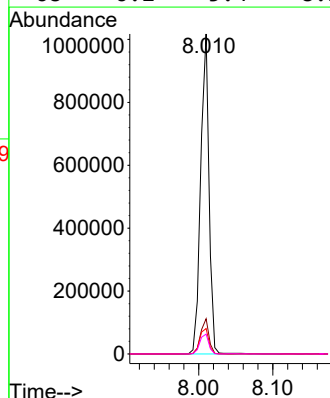
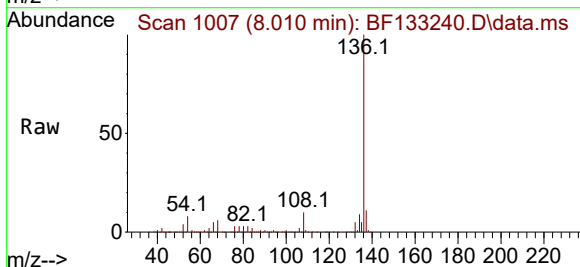
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

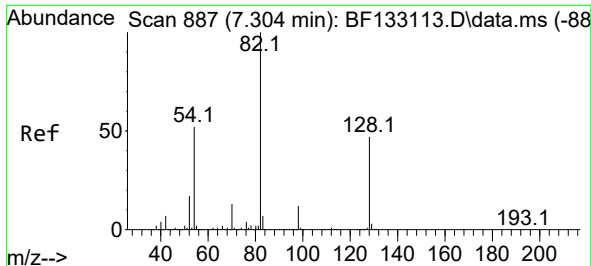
Tgt Ion: 70 Resp: 98437
Ion Ratio Lower Upper
70 100
42 51.0 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:136 Resp: 794641
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 7.0 10.4
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.069 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

ZONE-C-3-6-05012023

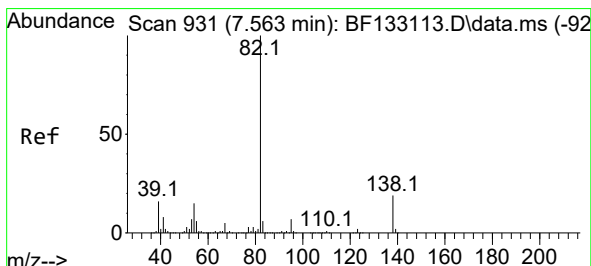
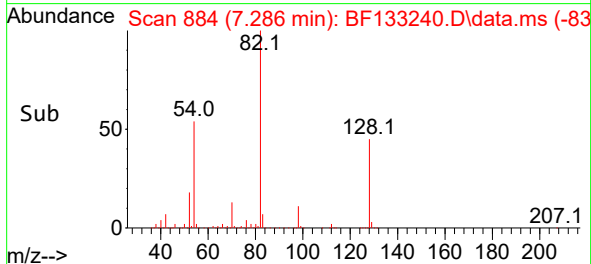
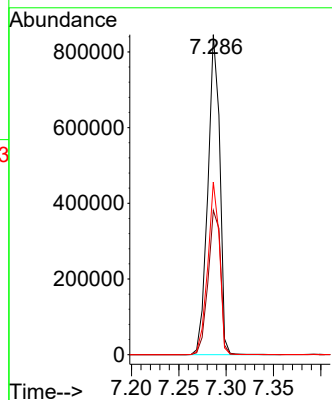
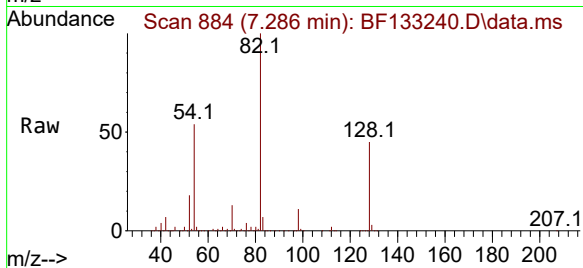
Tgt Ion: 82 Resp: 737113

Ion Ratio Lower Upper

82 100

128 45.1 37.7 56.5

54 54.0 43.0 64.4



#25

Isophorone

Concen: 26.276 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.271 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

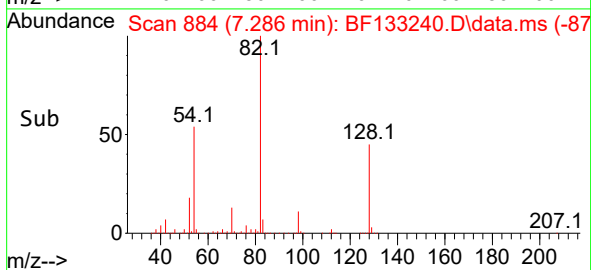
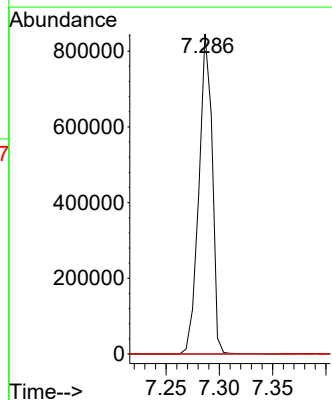
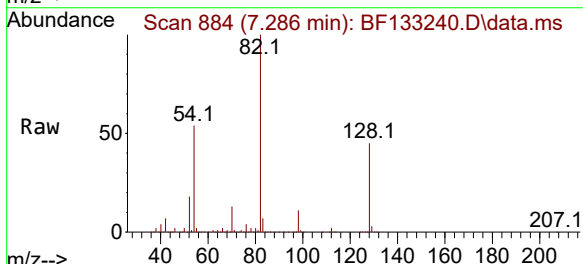
Tgt Ion: 82 Resp: 734460

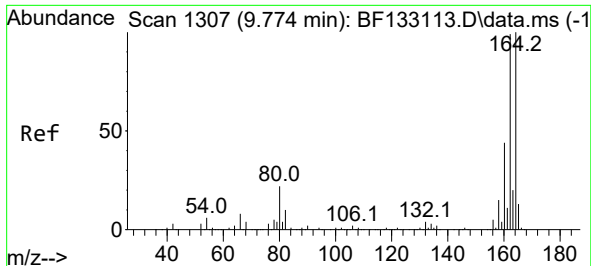
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.012 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

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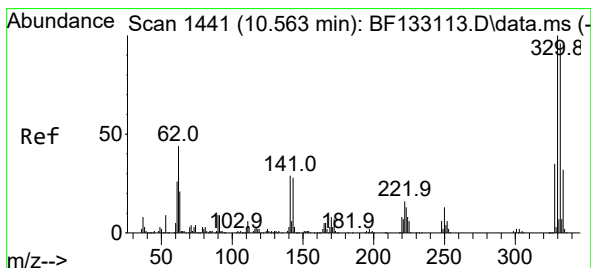
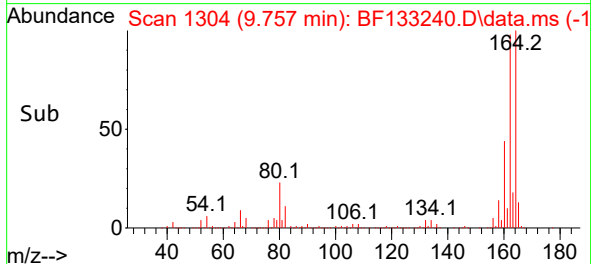
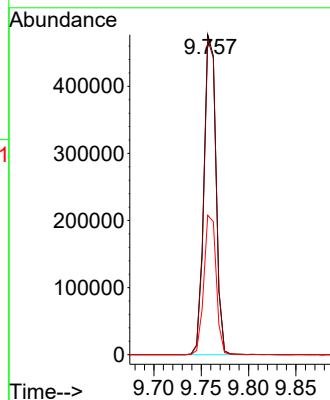
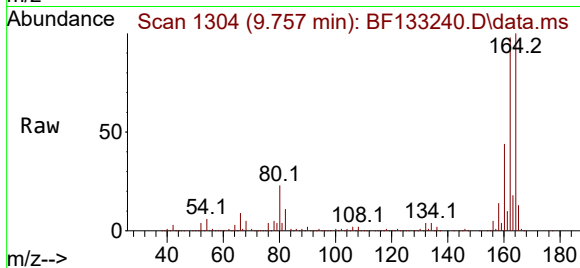
Tgt Ion:164 Resp: 422167

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

160 43.5 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 67.888 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

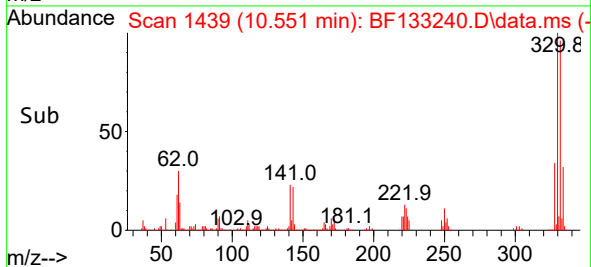
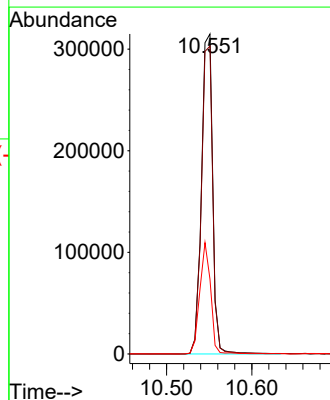
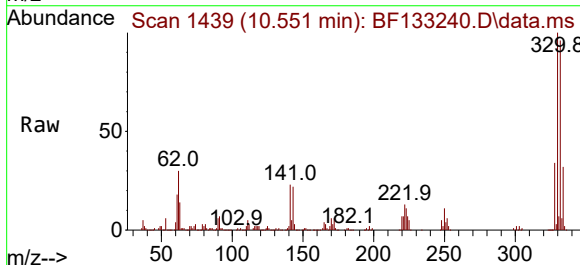
Tgt Ion:330 Resp: 288230

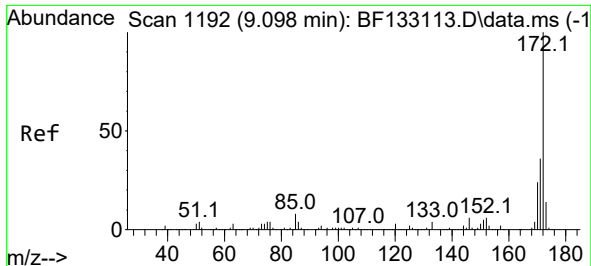
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 33.7 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 48.504 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

Instrument :

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ClientSampleId :

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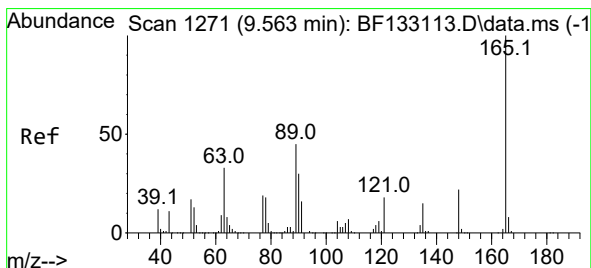
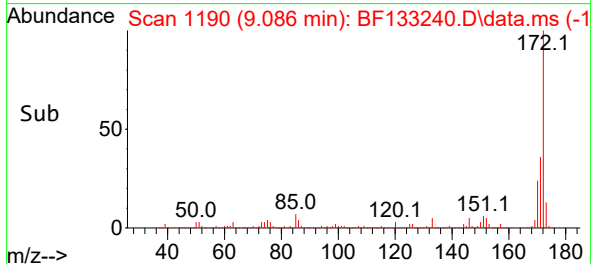
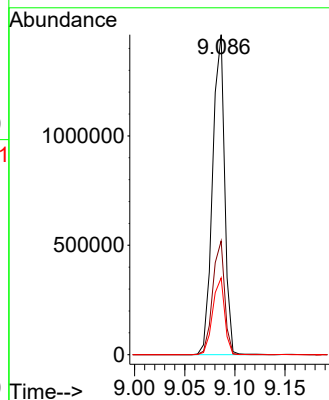
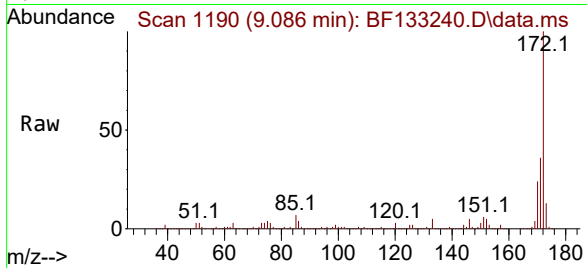
Tgt Ion:172 Resp: 1223958

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.0 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.327 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.200 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

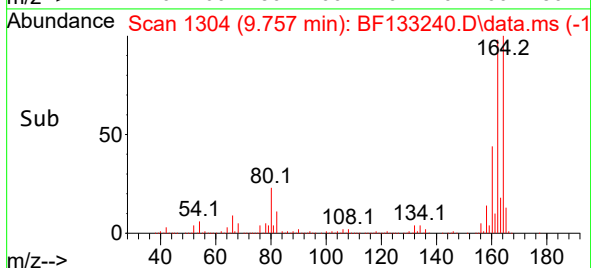
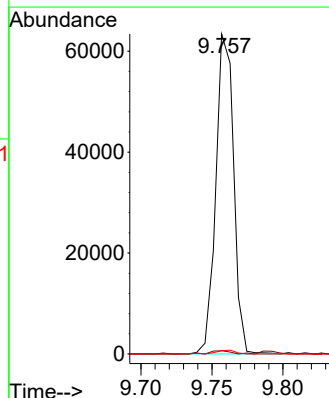
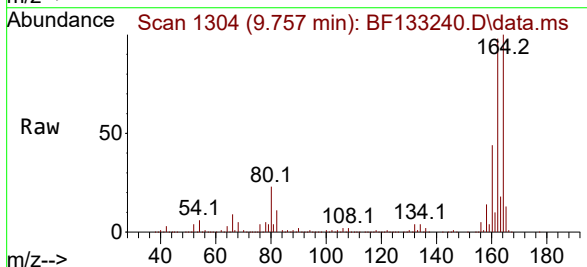
Tgt Ion:165 Resp: 55168

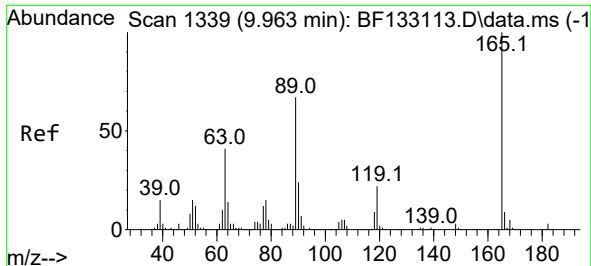
Ion Ratio Lower Upper

165 100

63 1.0 45.9 68.9#

89 1.0 44.0 66.0#

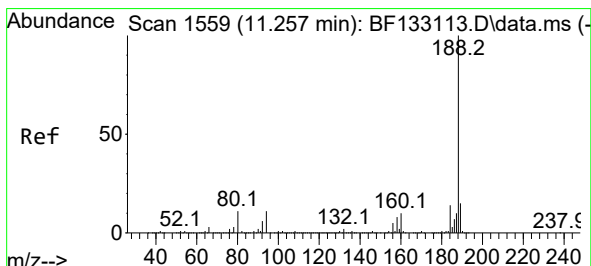
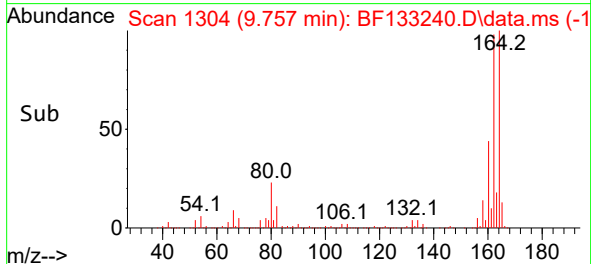
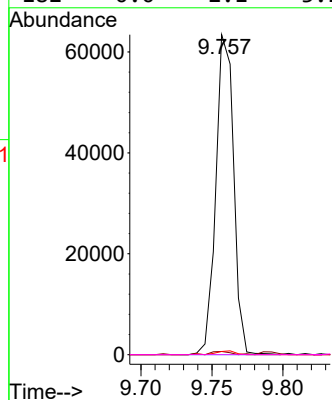
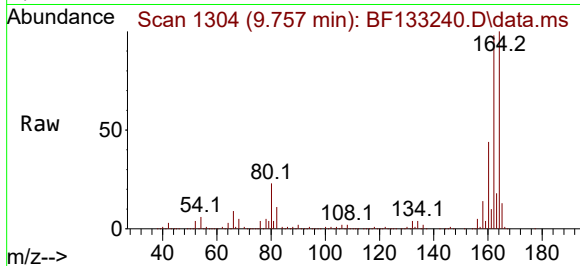




#57
2,4-Dinitrotoluene
Concen: 6.529 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

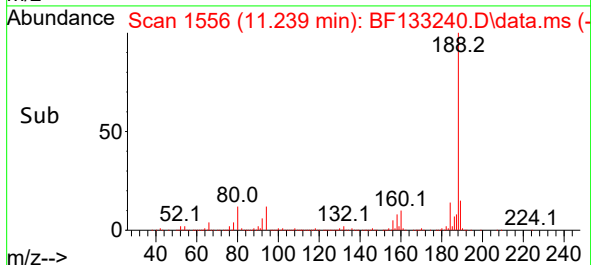
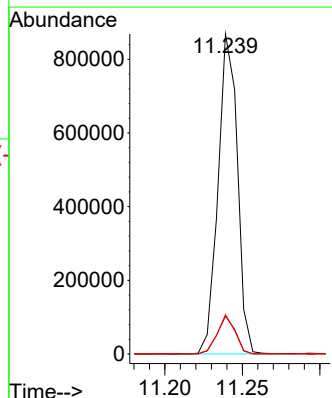
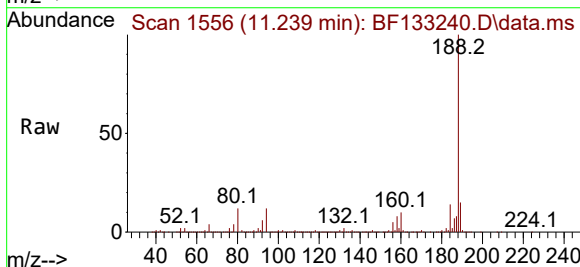
Instrument :
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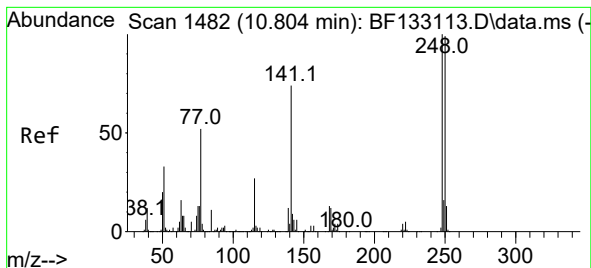
Tgt Ion:165 Resp: 55168
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:188 Resp: 754737
Ion Ratio Lower Upper
188 100
94 11.8 9.7 14.5
80 12.3 10.4 15.6

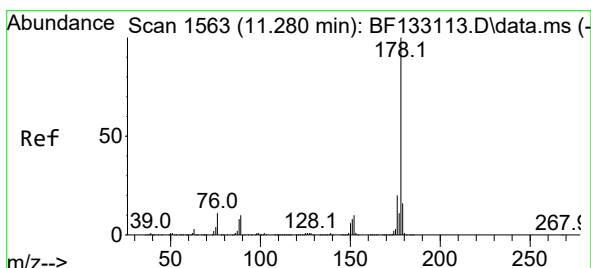
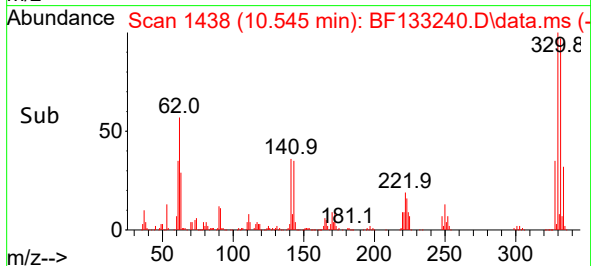
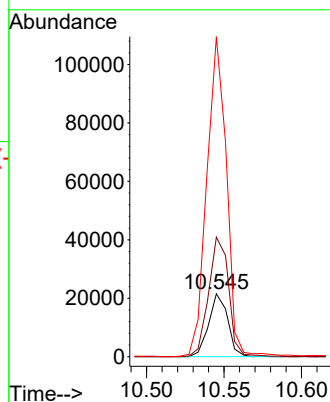
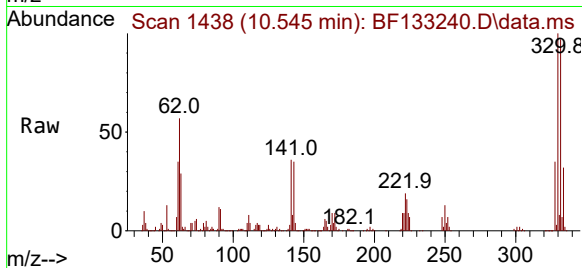




#67
4-Bromophenyl-phenylether
Concen: 2.247 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

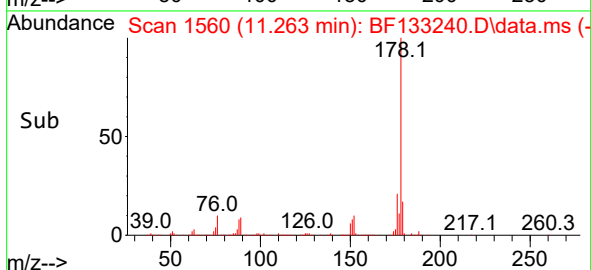
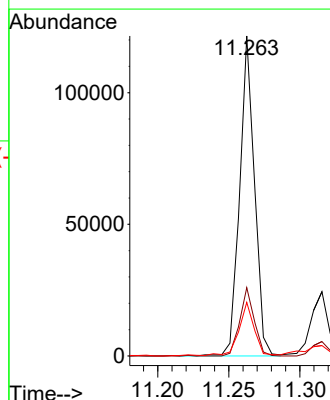
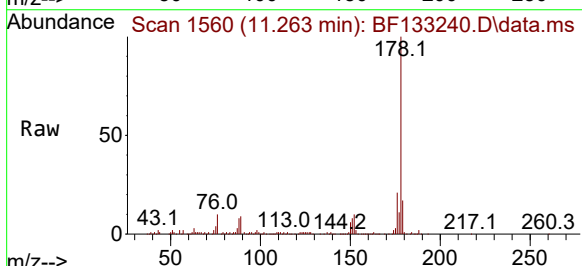
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

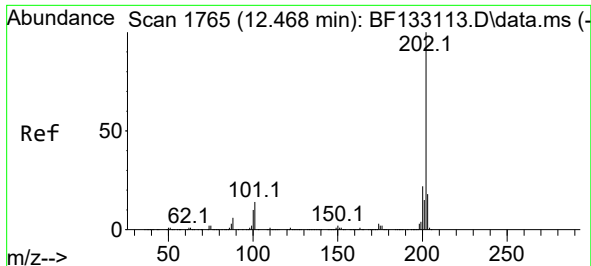
Tgt Ion:248 Resp: 18390
Ion Ratio Lower Upper
248 100
250 190.2 78.7 118.1#
141 509.1 56.3 84.5#



#71
Phenanthrene
Concen: 2.180 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:178 Resp: 88421
Ion Ratio Lower Upper
178 100
176 21.4 15.9 23.9
179 16.8 12.5 18.7

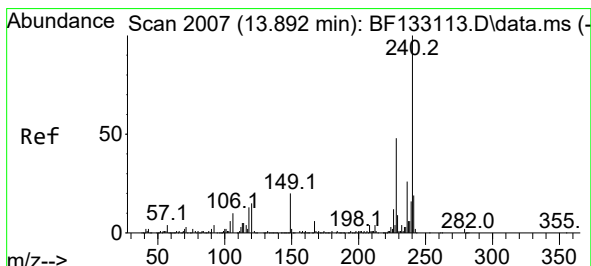
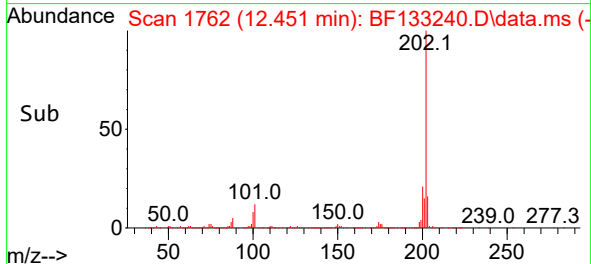
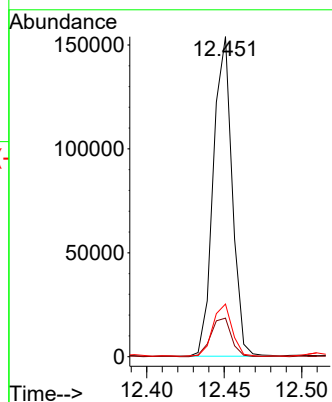
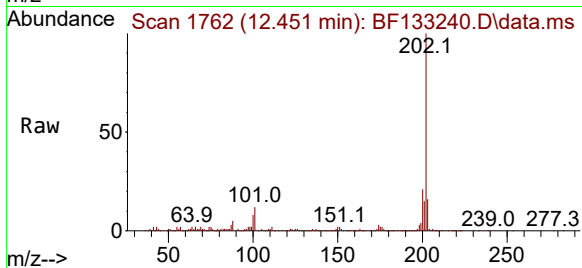




#75
Fluoranthene
Concen: 3.199 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

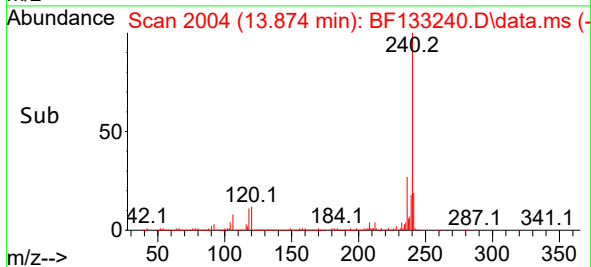
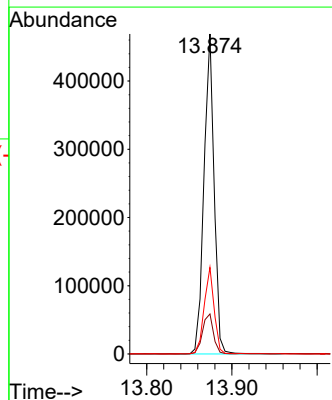
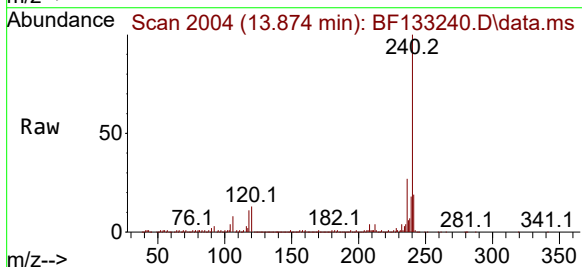
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

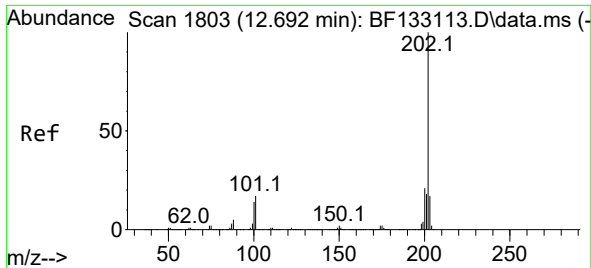
Tgt Ion:202 Resp: 130221
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 16.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:240 Resp: 388219
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 27.1 21.5 32.3

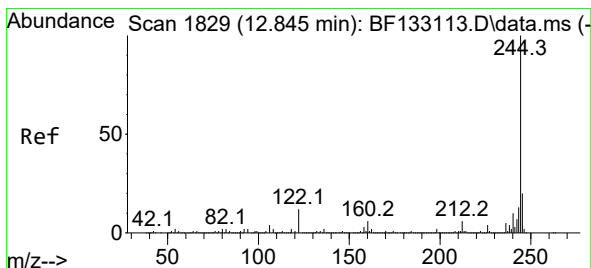
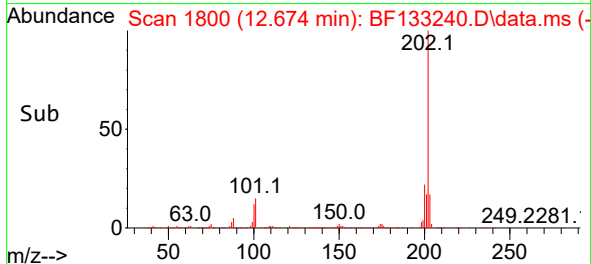
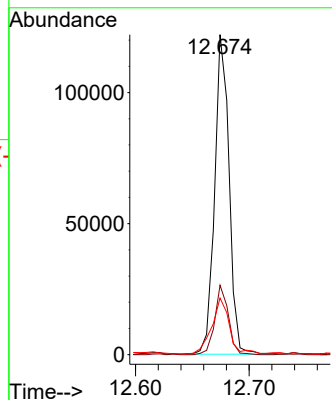
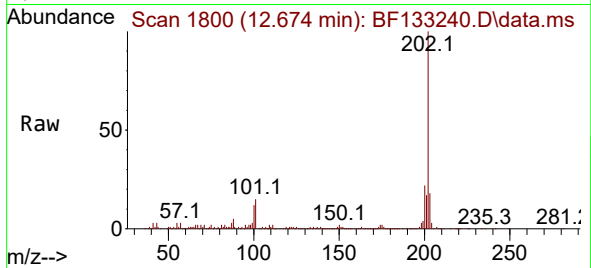




#78
Pyrene
Concen: 3.236 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

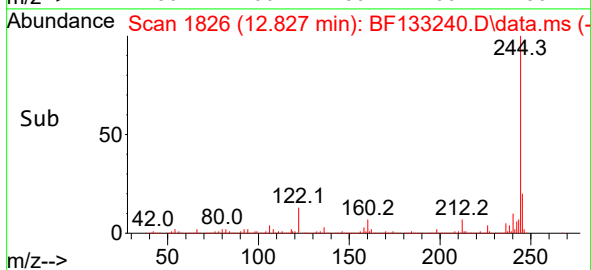
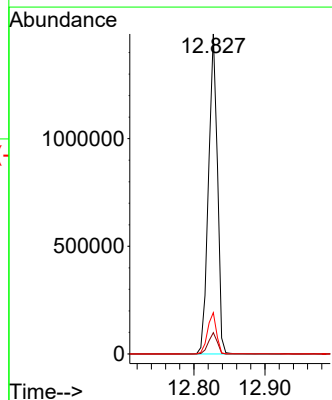
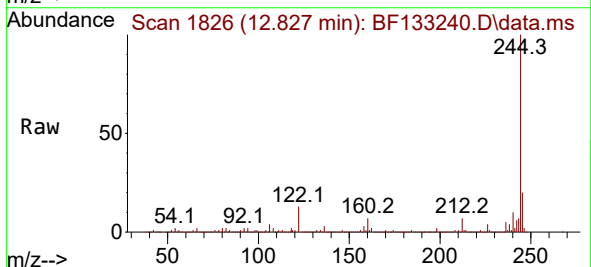
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

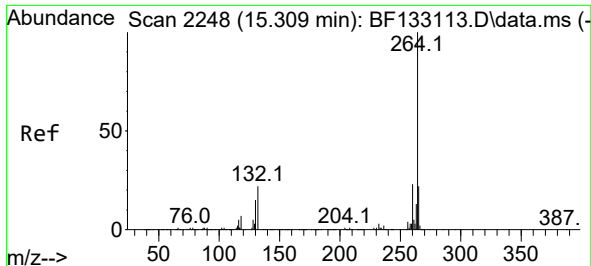
Tgt Ion:202 Resp: 107706
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 57.662 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:244 Resp: 1297955
Ion Ratio Lower Upper
244 100
212 6.7 5.1 7.7
122 12.9 8.6 13.0

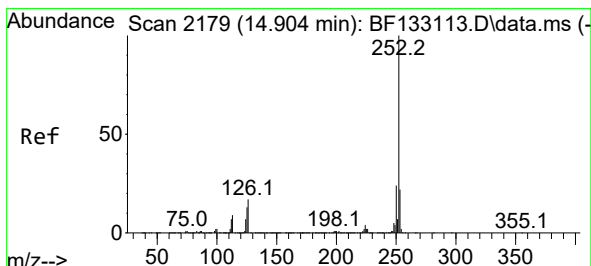
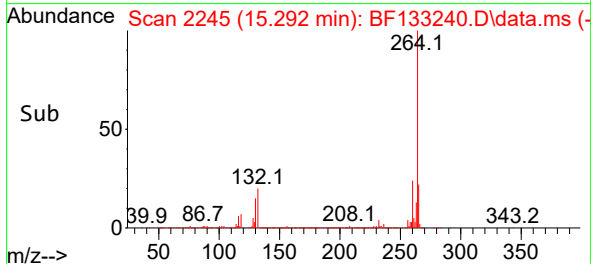
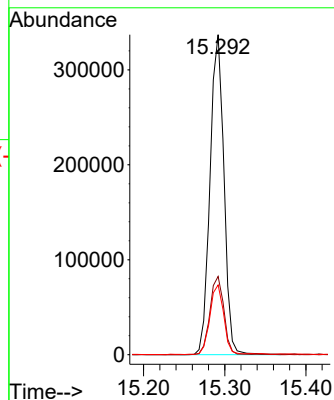
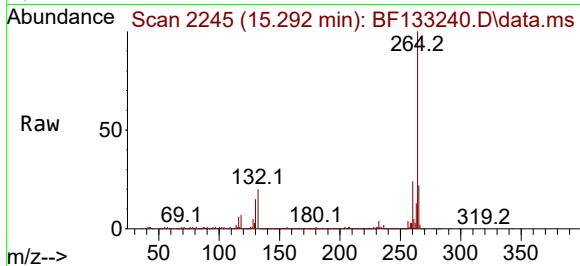




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

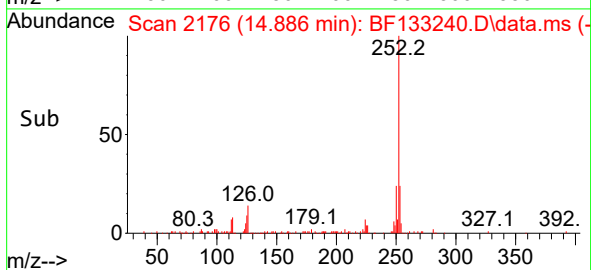
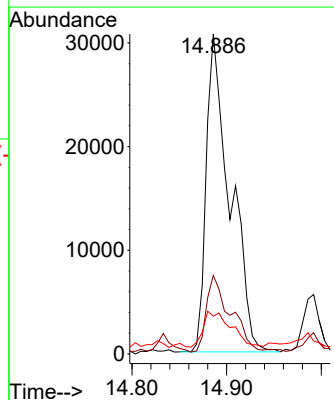
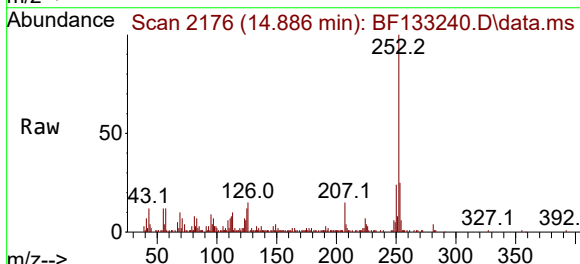
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

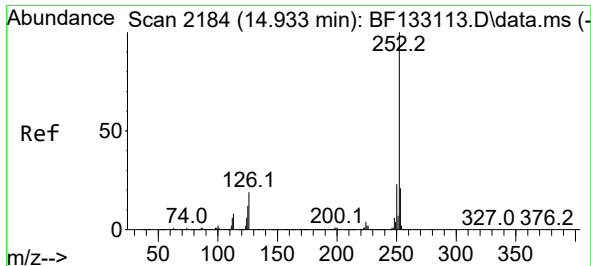
Tgt Ion:264 Resp: 400420
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 21.8 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.106 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:252 Resp: 53637
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 11.8 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 2.124 ng

RT: 14.886 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133240.D

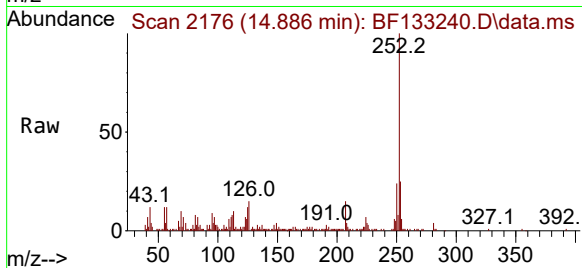
Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

ZONE-C-3-6-05012023



Tgt Ion:252 Resp: 53637

Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

125 11.8 9.0 13.4

