

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133169.D
 Acq On : 01 May 2023 22:16
 Operator : CG\JU
 Sample : 02563-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042823

Quant Time: May 02 05:23:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

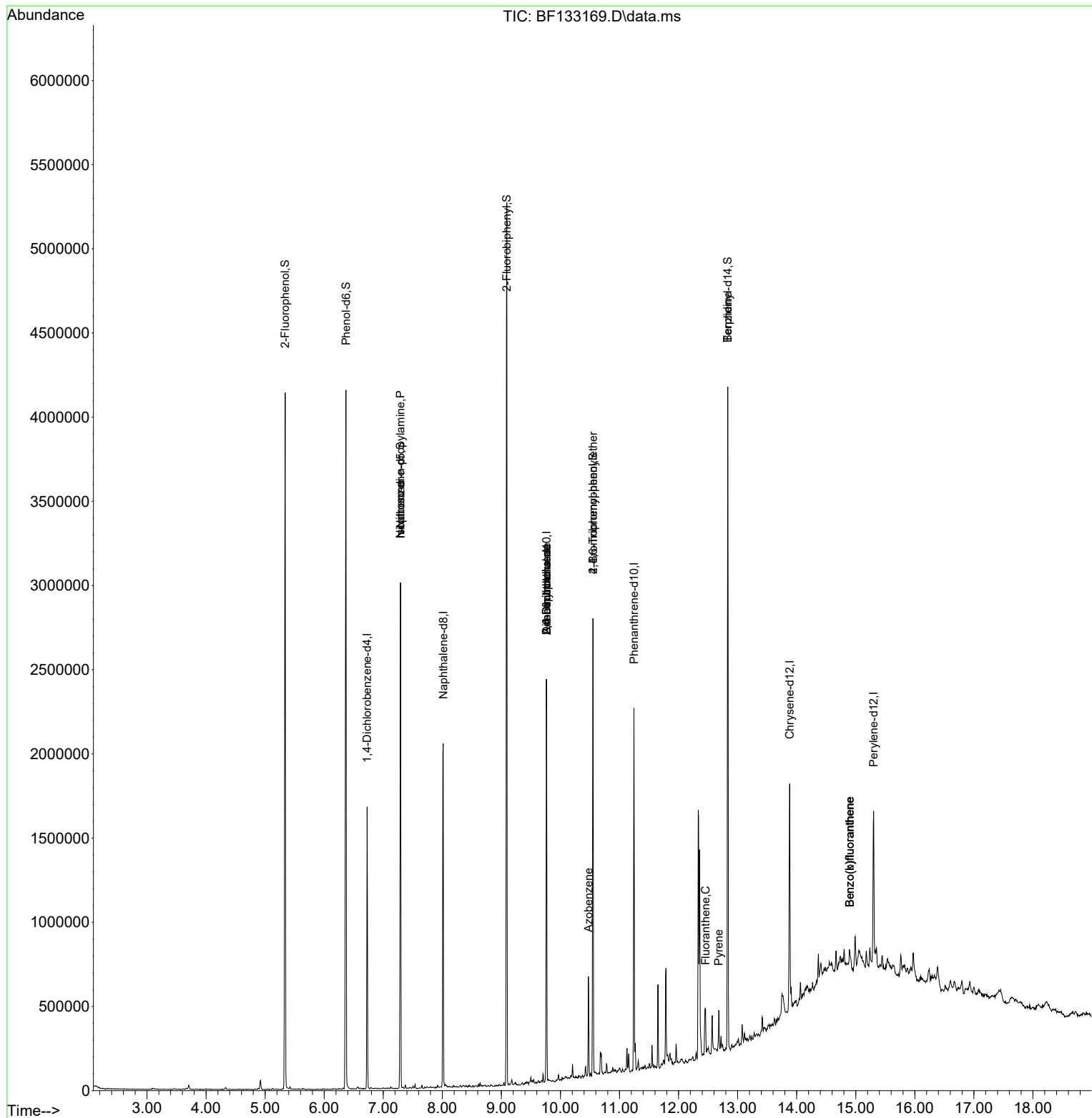
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	219044	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	879575	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	440361	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	691304	20.000	ng	0.00
76) Chrysene-d12	13.880	240	388911	20.000	ng	-0.01
86) Perylene-d12	15.304	264	414153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1185453	81.753	ng	0.00
7) Phenol-d6	6.369	99	1440536	80.039	ng	0.00
23) Nitrobenzene-d5	7.292	82	873261	53.589	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	293874	66.357	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1568775	59.600	ng	0.00
79) Terphenyl-d14	12.833	244	1320265	58.549	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	808	Below Cal	Qvalue	# 51
19) n-Nitroso-di-n-propyla...	7.292	70	113771	10.154	ng	# 76
25) Isophorone	7.292	82	869988	28.119	ng	# 63
50) Dimethylphthalate	9.763	163	85400	2.781	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	57471	8.316	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	57471	6.521	ng	# 23
63) Azobenzene	10.475	77	90565	2.948	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	19884	2.652	ng	# 1
75) Fluoranthene	12.457	202	97533	2.616	ng	96
77) Benzidine	12.833	184	15876	2.414	ng	97
78) Pyrene	12.680	202	99834	2.995	ng	99
88) Benzo(b)fluoranthene	14.898	252	78712	2.987	ng	# 77
89) Benzo(k)fluoranthene	14.898	252	78712	3.014	ng	# 77

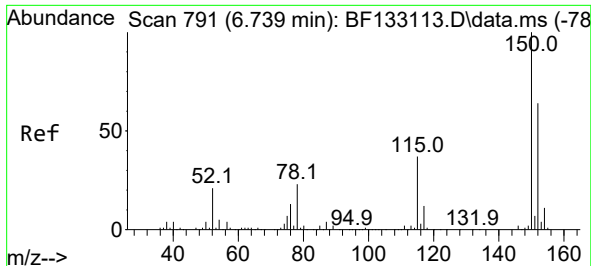
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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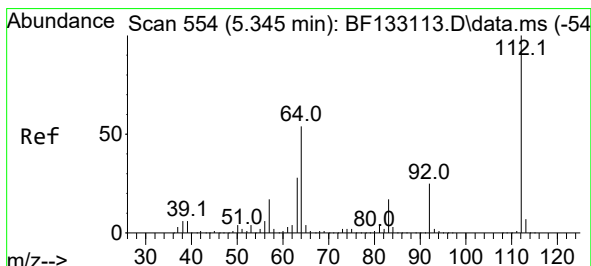
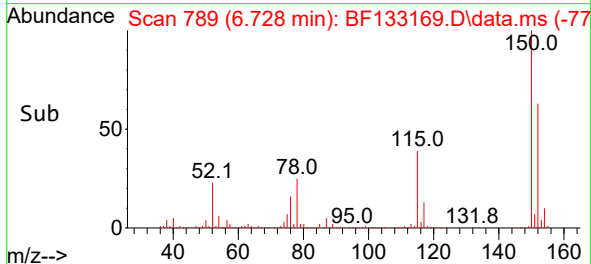
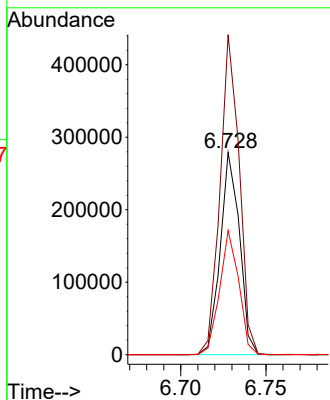
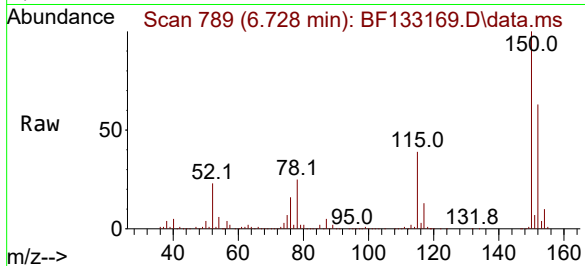




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

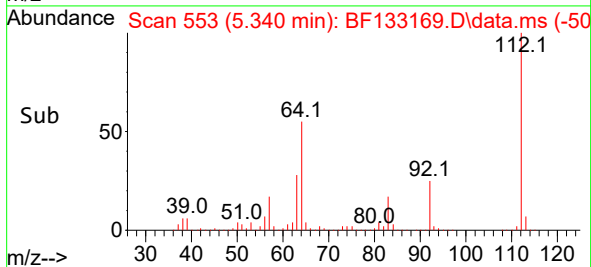
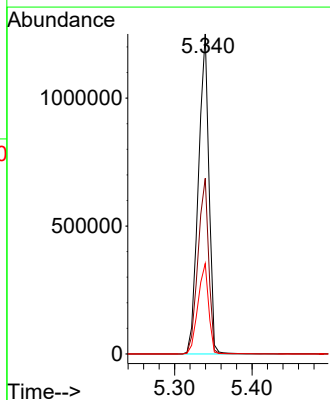
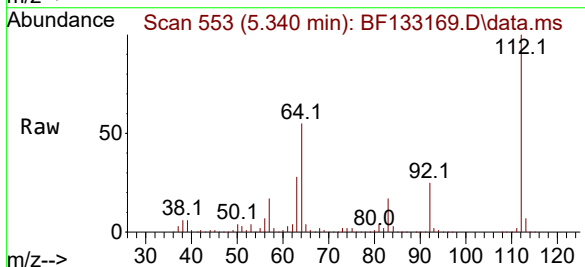
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

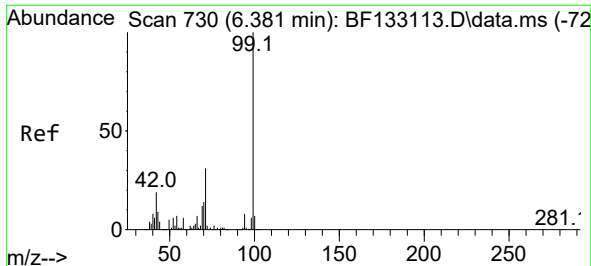
Tgt Ion:152 Resp: 219044
Ion Ratio Lower Upper
152 100
150 158.2 124.8 187.2
115 61.4 49.9 74.9



#5
2-Fluorophenol
Concen: 81.753 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion:112 Resp: 1185453
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 28.2 23.8 35.8

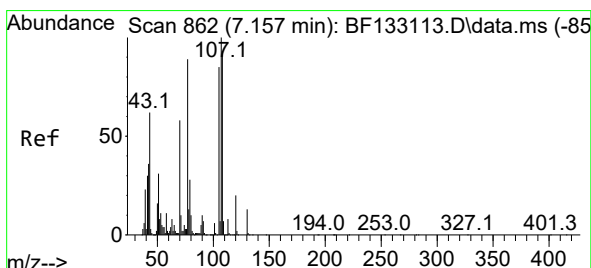
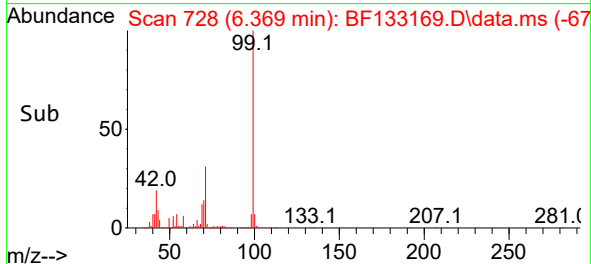
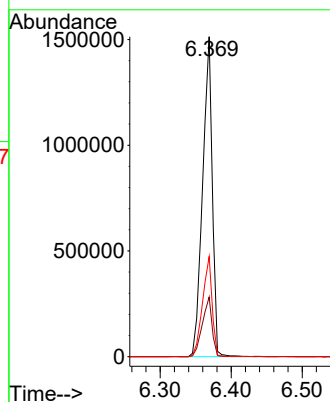
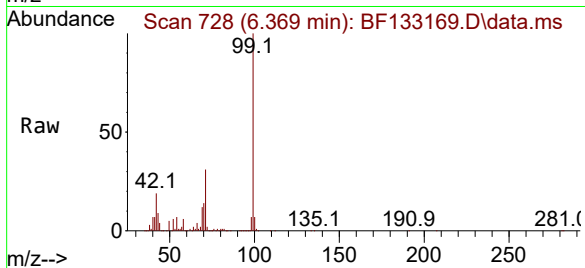




#7
Phenol-d6
Concen: 80.039 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

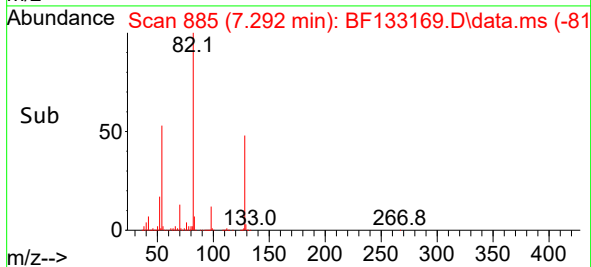
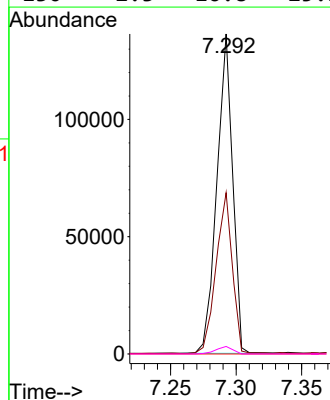
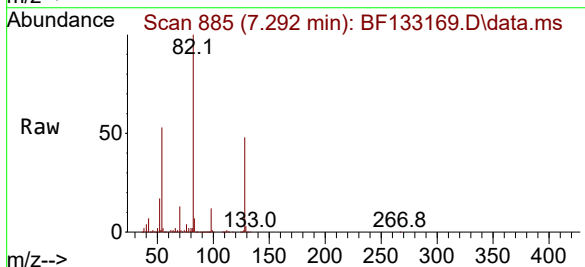
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

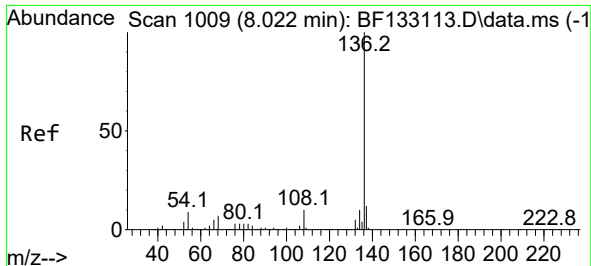
Tgt Ion: 99 Resp: 1440536
Ion Ratio Lower Upper
99 100
42 18.6 16.3 24.5
71 31.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.154 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion: 70 Resp: 113771
Ion Ratio Lower Upper
70 100
42 50.4 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

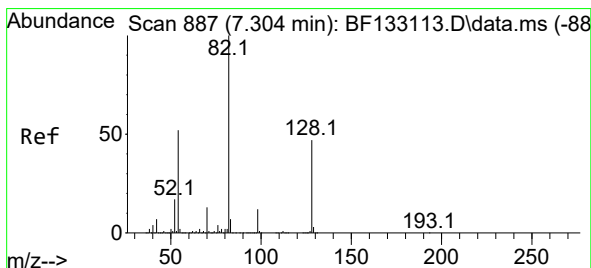
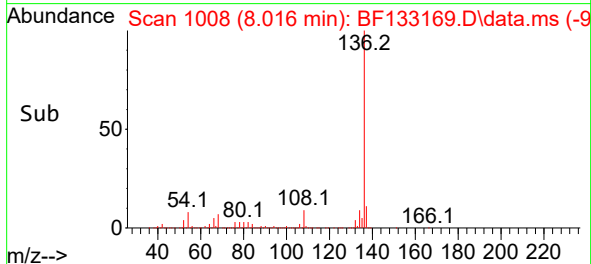
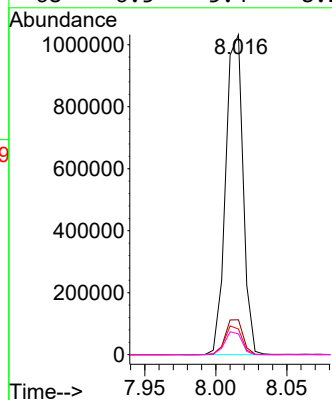
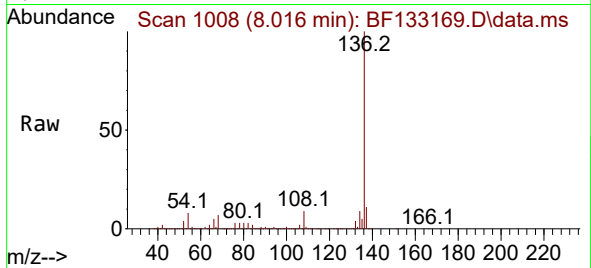




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

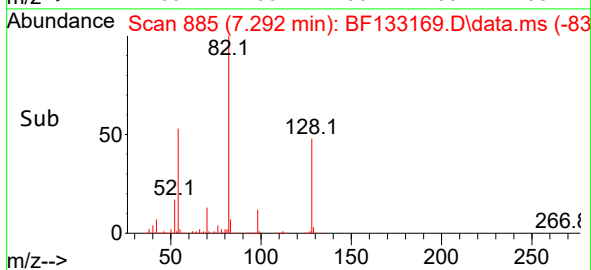
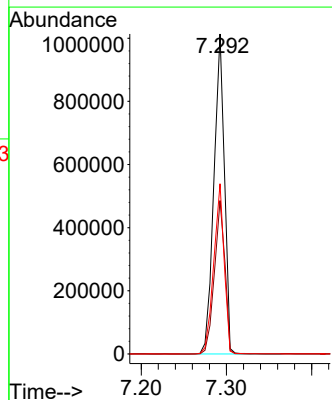
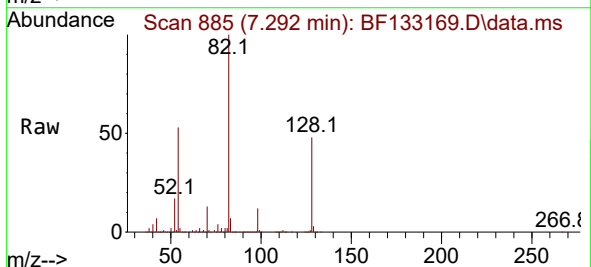
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

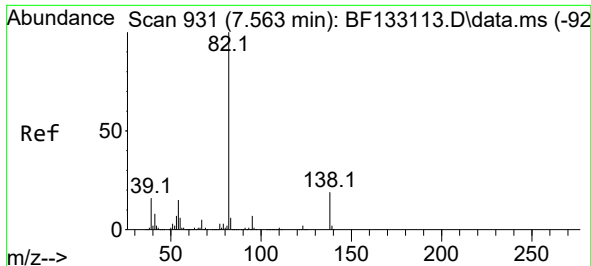
Tgt Ion:136 Resp: 879575
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 53.589 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion: 82 Resp: 873261
Ion Ratio Lower Upper
82 100
128 48.0 37.7 56.5
54 53.2 43.0 64.4

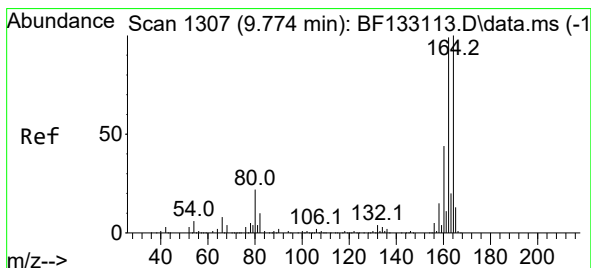
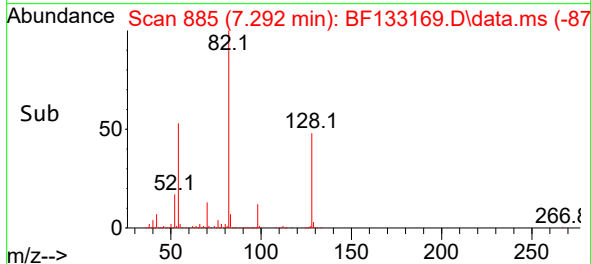
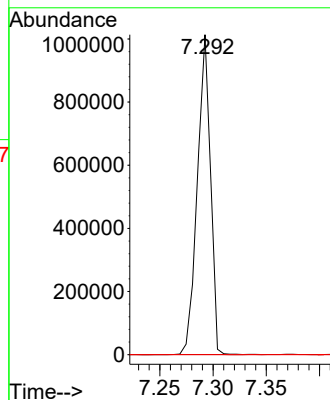
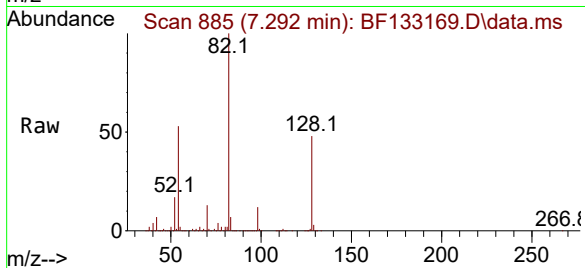




#25
Isophorone
Concen: 28.119 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

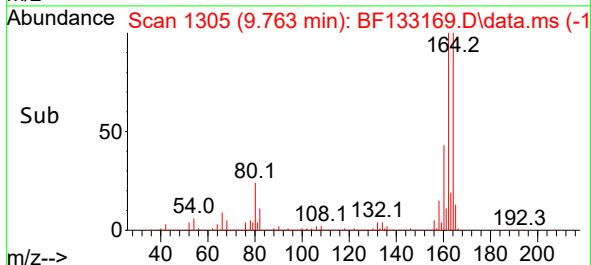
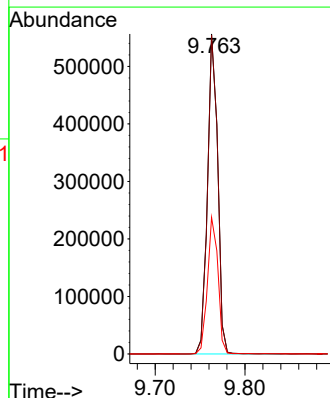
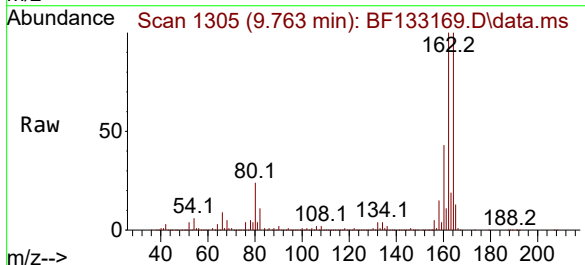
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

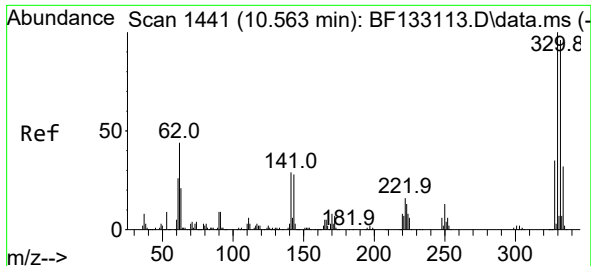
Tgt Ion: 82 Resp: 869988
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion: 164 Resp: 440361
Ion Ratio Lower Upper
164 100
162 99.7 78.7 118.1
160 42.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 66.357 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

Instrument :

BNA_F

ClientSampleId :

HR-03-042823

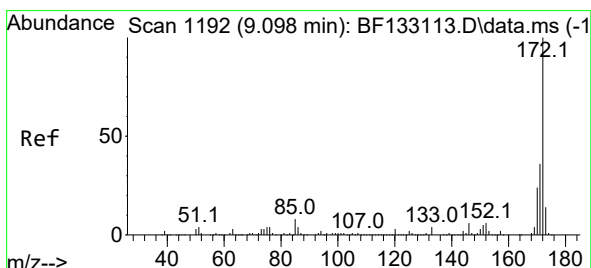
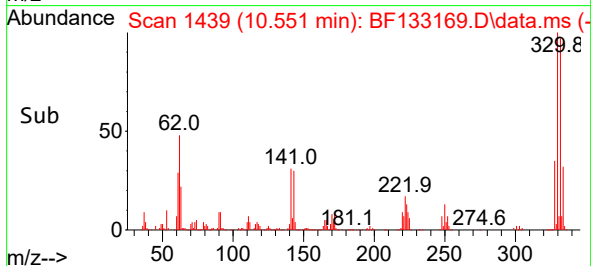
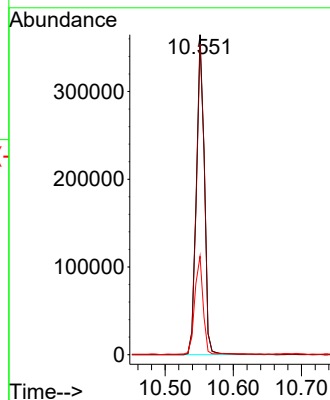
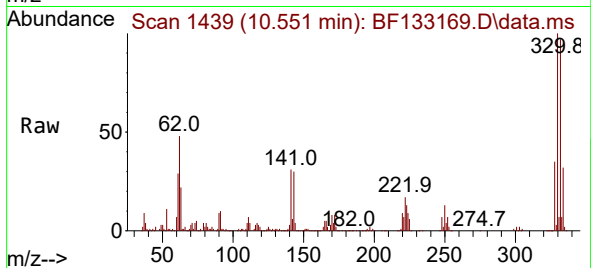
Tgt Ion:330 Resp: 293874

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

141 31.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 59.600 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

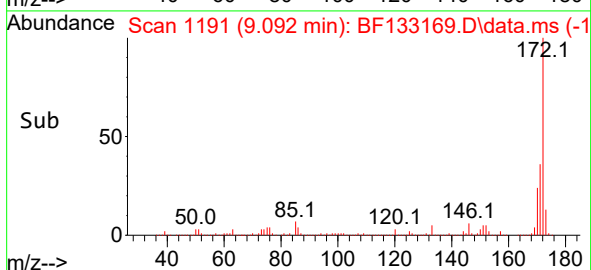
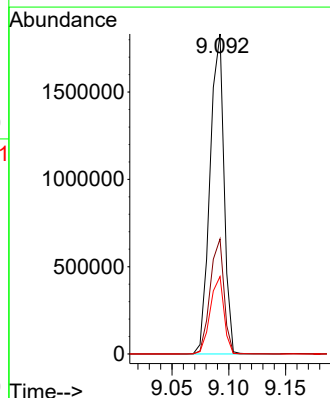
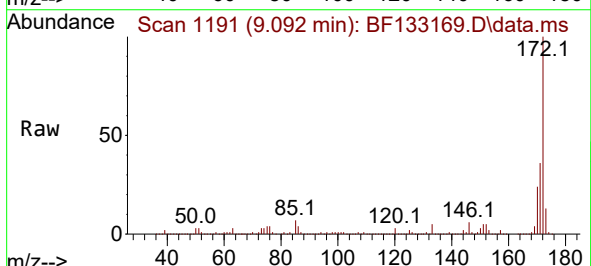
Tgt Ion:172 Resp: 1568775

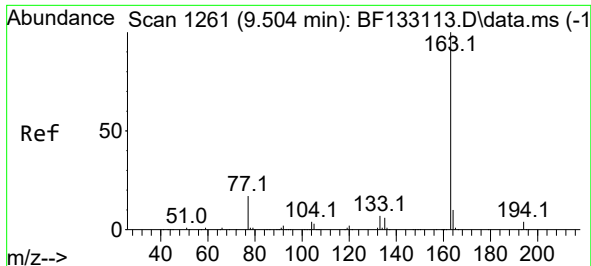
Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 24.2 19.4 29.2

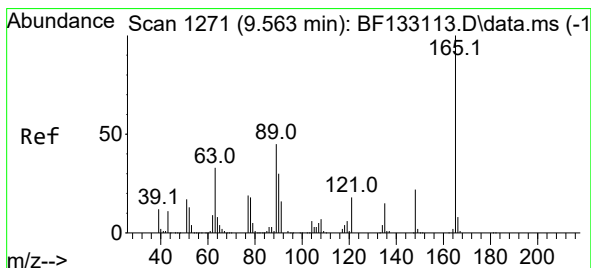
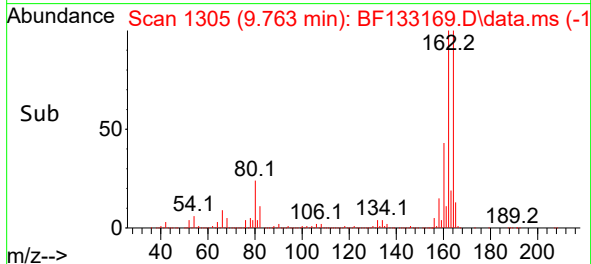
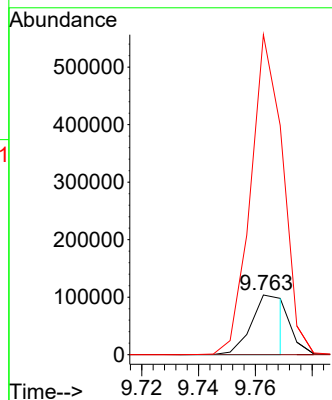
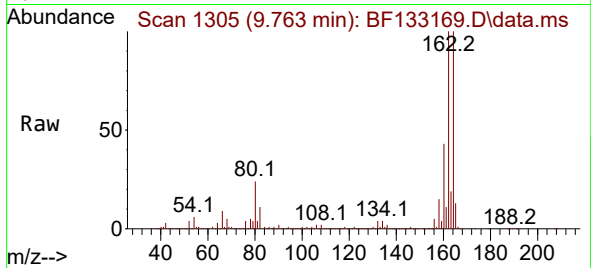




#50
Dimethylphthalate
Concen: 2.781 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

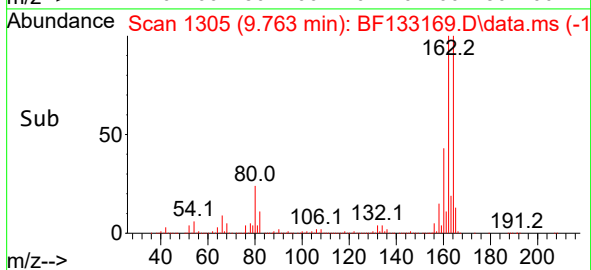
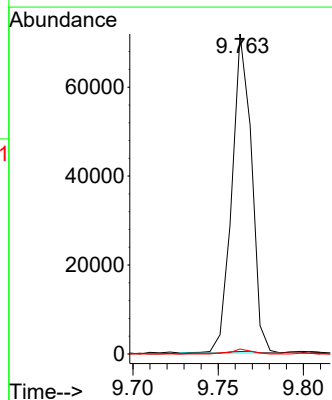
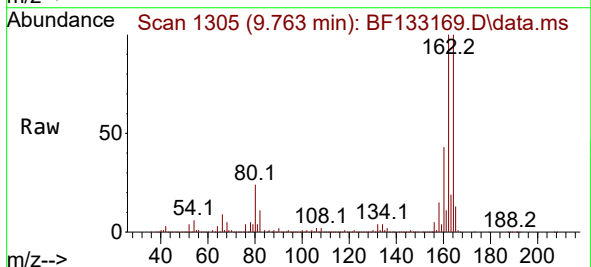
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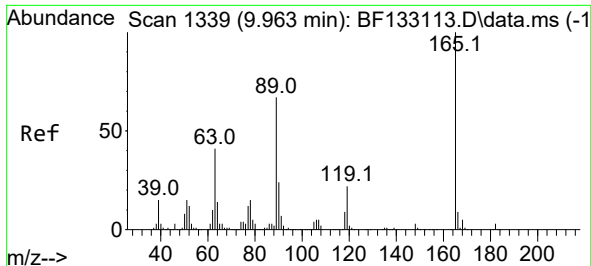
Tgt Ion:163 Resp: 85400
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 535.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.316 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion:165 Resp: 57471
Ion Ratio Lower Upper
165 100
63 0.7 45.9 68.9#
89 1.5 44.0 66.0#

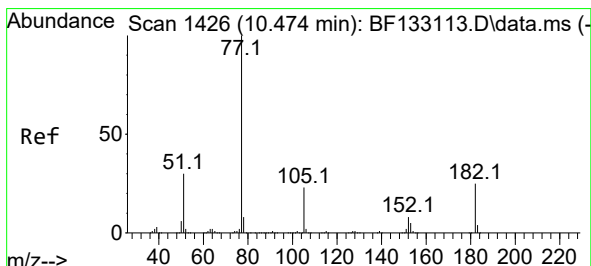
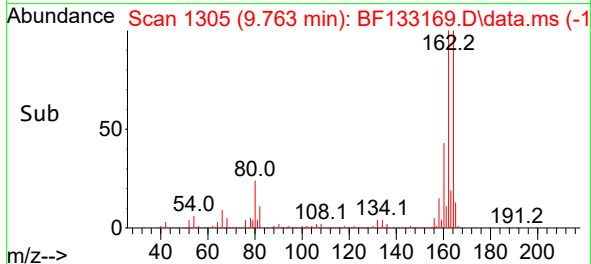
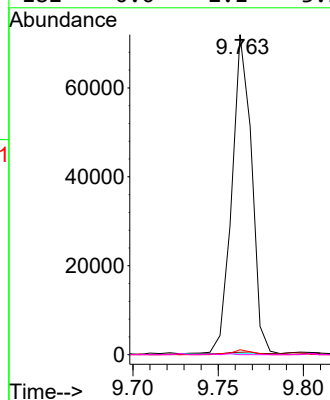
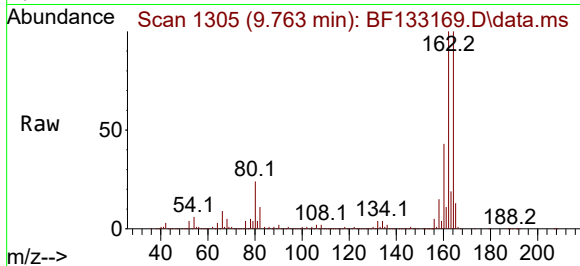




#57
2,4-Dinitrotoluene
Concen: 6.521 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

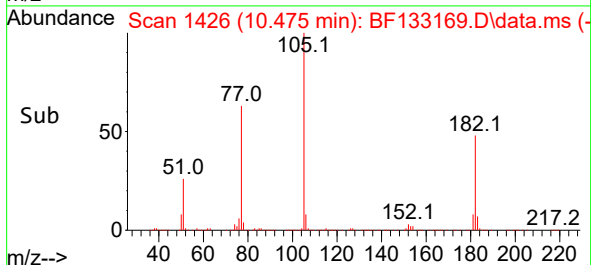
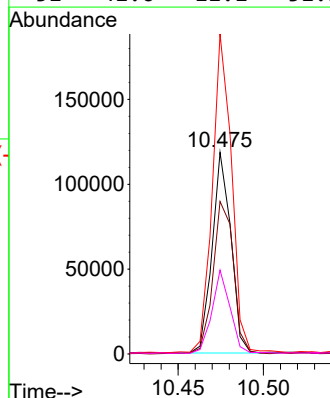
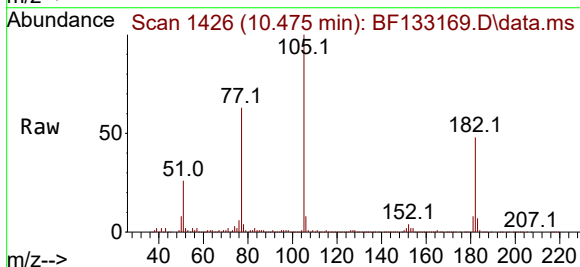
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

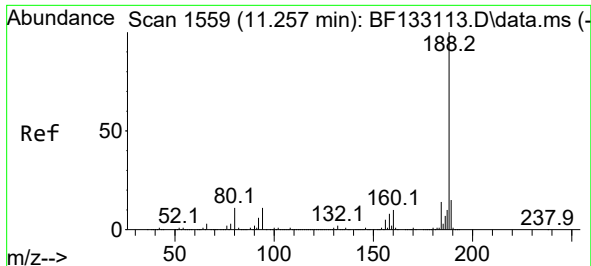
Tgt Ion:165 Resp: 57471
Ion Ratio Lower Upper
165 100
63 0.7 37.7 56.5#
89 1.5 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.948 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion: 77 Resp: 90565
Ion Ratio Lower Upper
77 100
182 75.6 5.9 45.9#
105 158.7 2.3 42.3#
51 41.6 11.1 51.1

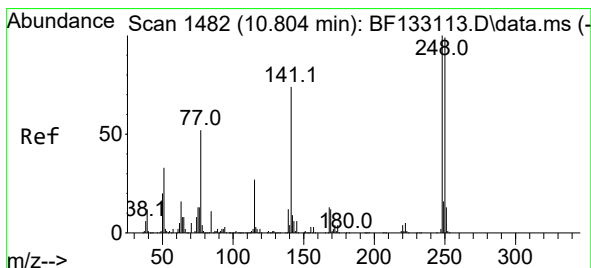
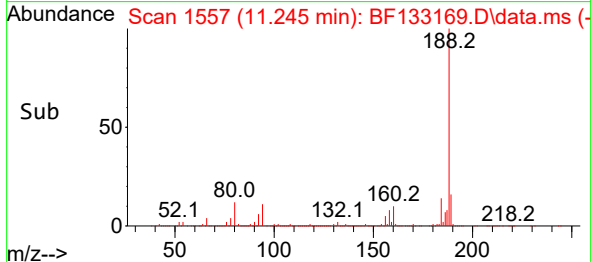
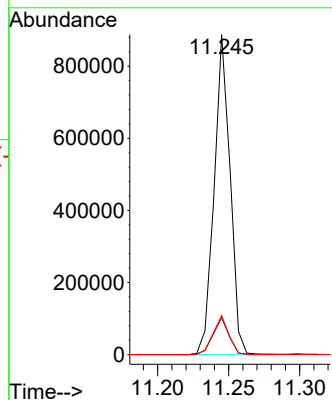
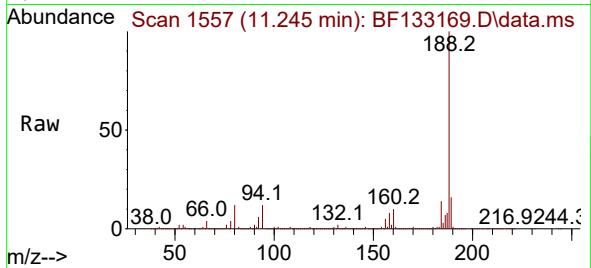




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

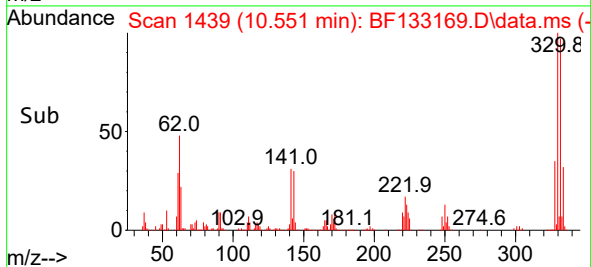
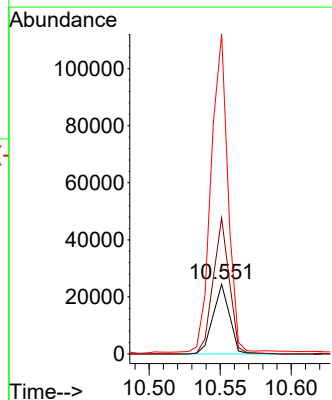
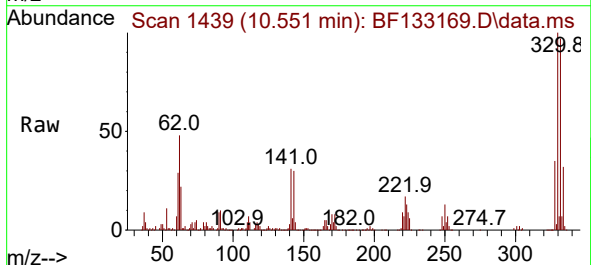
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

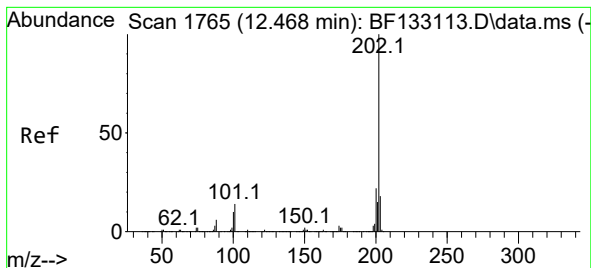
Tgt Ion:188 Resp: 691304
Ion Ratio Lower Upper
188 100
94 11.5 9.7 14.5
80 12.2 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.652 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.253 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion:248 Resp: 19884
Ion Ratio Lower Upper
248 100
250 194.9 78.7 118.1#
141 458.7 56.3 84.5#





#75

Fluoranthene

Concen: 2.616 ng

RT: 12.457 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

Instrument :

BNA_F

ClientSampleId :

HR-03-042823

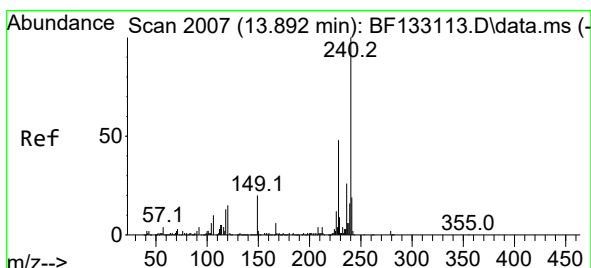
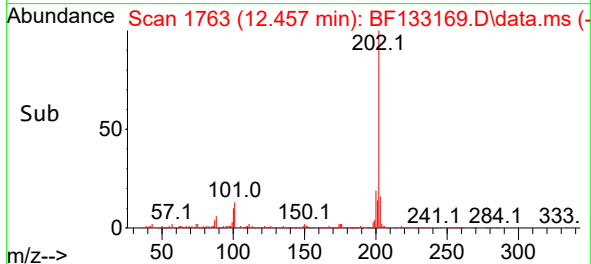
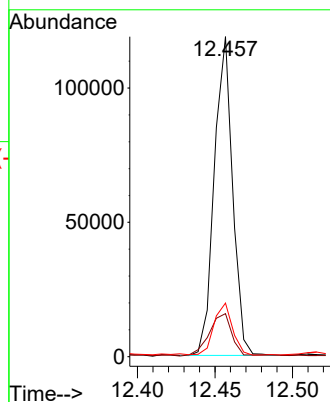
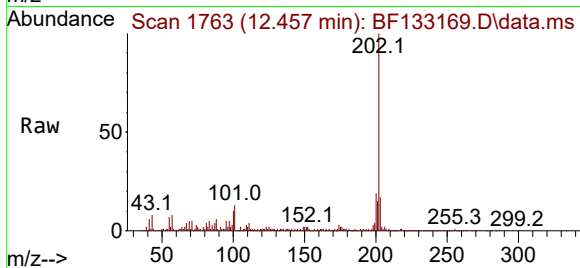
Tgt Ion:202 Resp: 97533

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.3

203 16.8 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

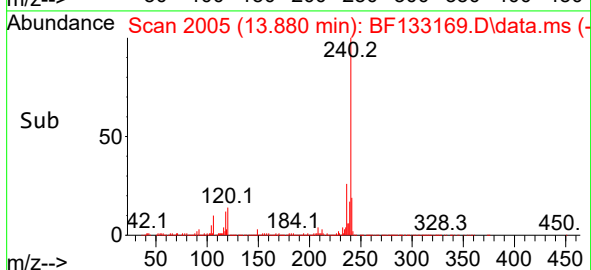
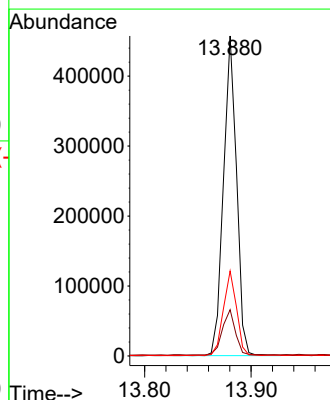
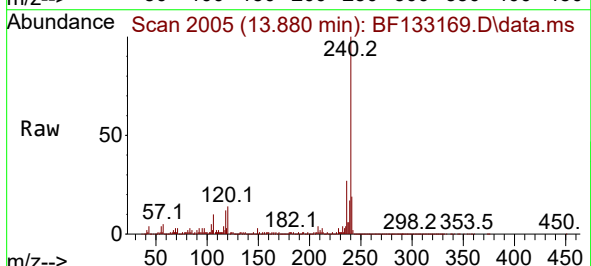
Tgt Ion:240 Resp: 388911

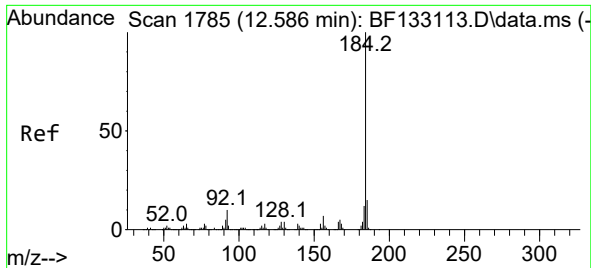
Ion Ratio Lower Upper

240 100

120 14.4 10.5 15.7

236 26.6 21.5 32.3

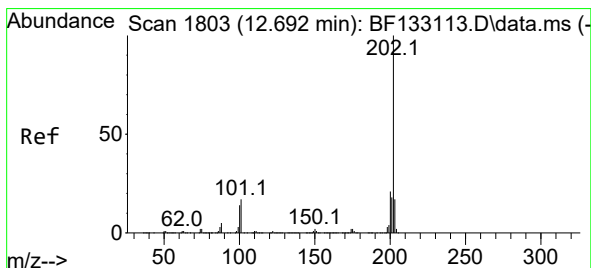
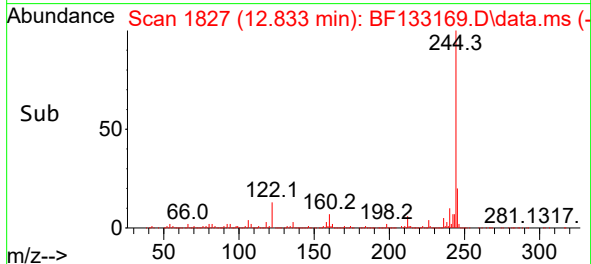
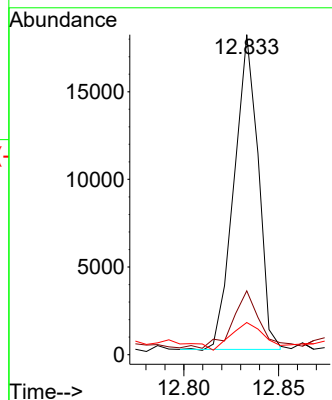
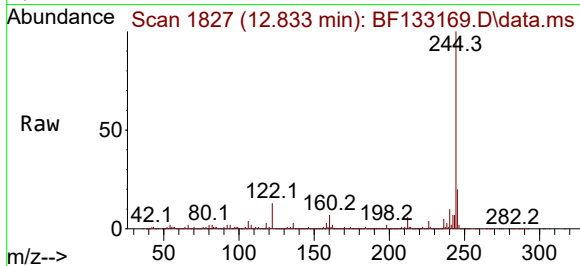




#77
Benzidine
Concen: 2.414 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.247 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

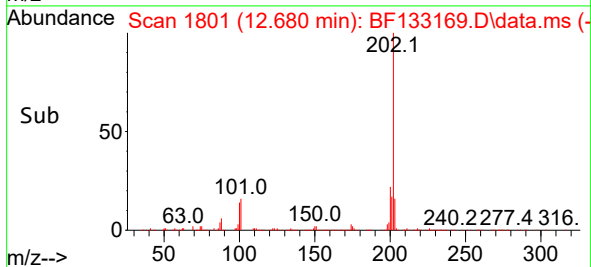
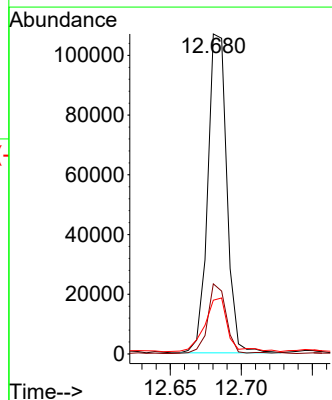
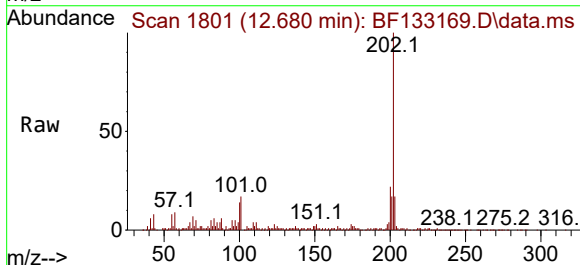
Instrument :
BNA_F
ClientSampleId :
HR-03-042823

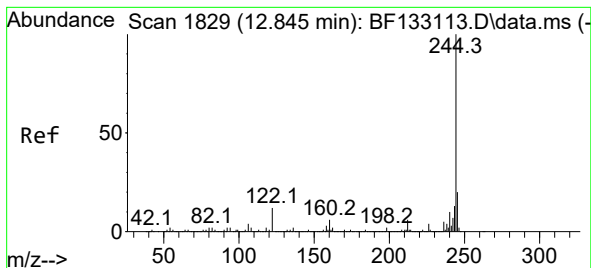
Tgt Ion:184 Resp: 15876
Ion Ratio Lower Upper
184 100
185 20.0 15.4 23.2
183 10.1 9.4 14.0



#78
Pyrene
Concen: 2.995 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF133169.D
Acq: 01 May 2023 22:16

Tgt Ion:202 Resp: 99834
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 16.8 14.1 21.1





#79

Terphenyl-d14

Concen: 58.549 ng

RT: 12.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

Instrument :

BNA_F

ClientSampleId :

HR-03-042823

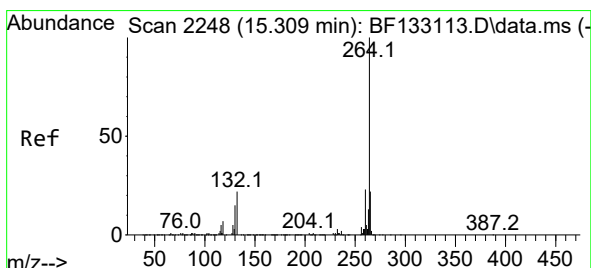
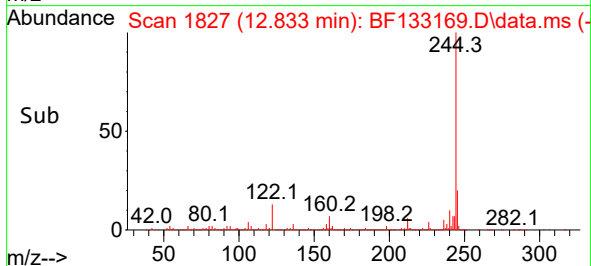
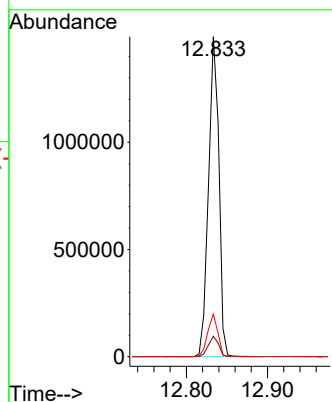
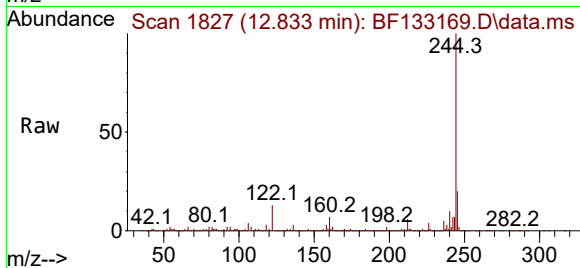
Tgt Ion:244 Resp: 1320265

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 13.3 8.6 13.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

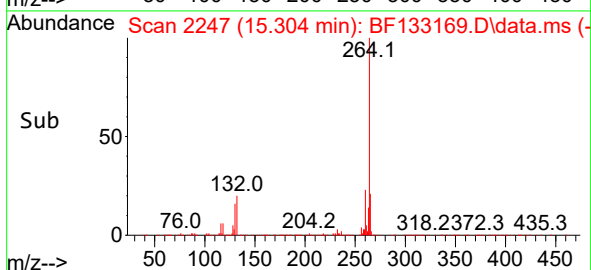
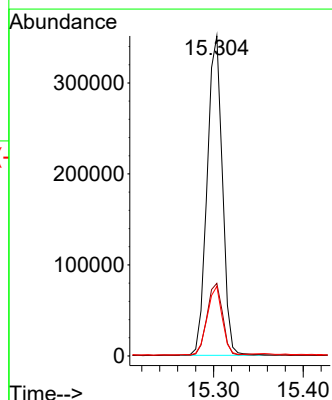
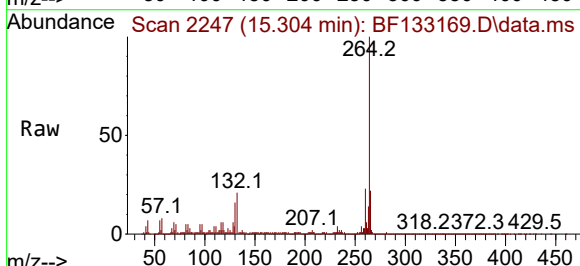
Tgt Ion:264 Resp: 414153

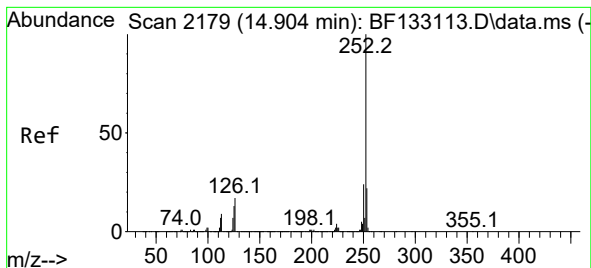
Ion Ratio Lower Upper

264 100

260 22.7 18.8 28.2

265 21.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.987 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

Instrument :

BNA_F

ClientSampleId :

HR-03-042823

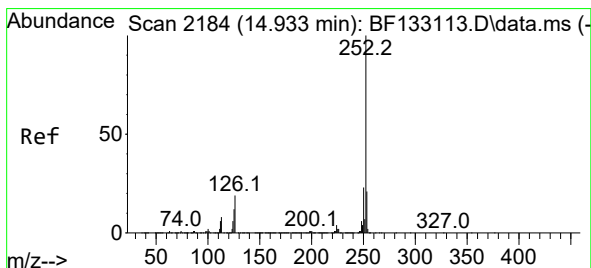
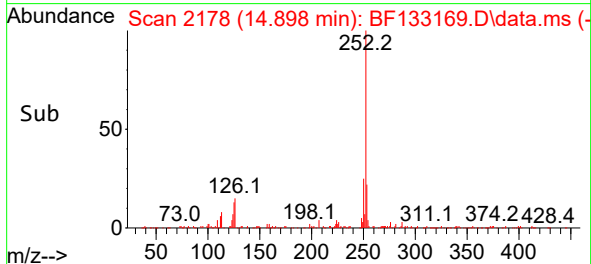
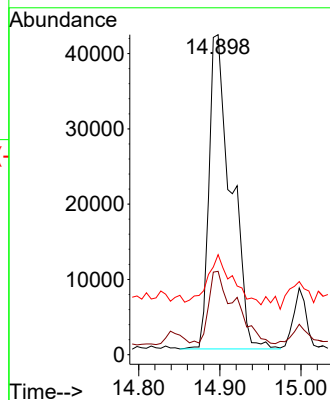
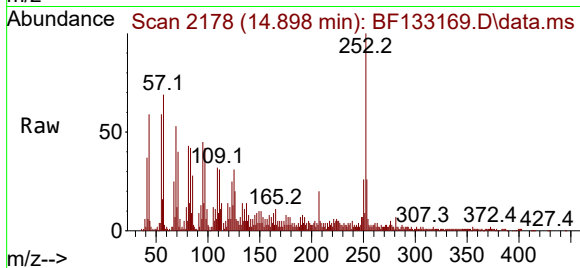
Tgt Ion:252 Resp: 78712

Ion Ratio Lower Upper

252 100

253 26.0 17.6 26.4

125 31.3 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.014 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.035 min

Lab File: BF133169.D

Acq: 01 May 2023 22:16

Tgt Ion:252 Resp: 78712

Ion Ratio Lower Upper

252 100

253 26.0 17.7 26.5

125 31.3 9.0 13.4#

