

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133275.D
 Acq On : 05 May 2023 21:20
 Operator : CG\JU
 Sample : 02624-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WZ-3

Quant Time: May 06 05:51:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

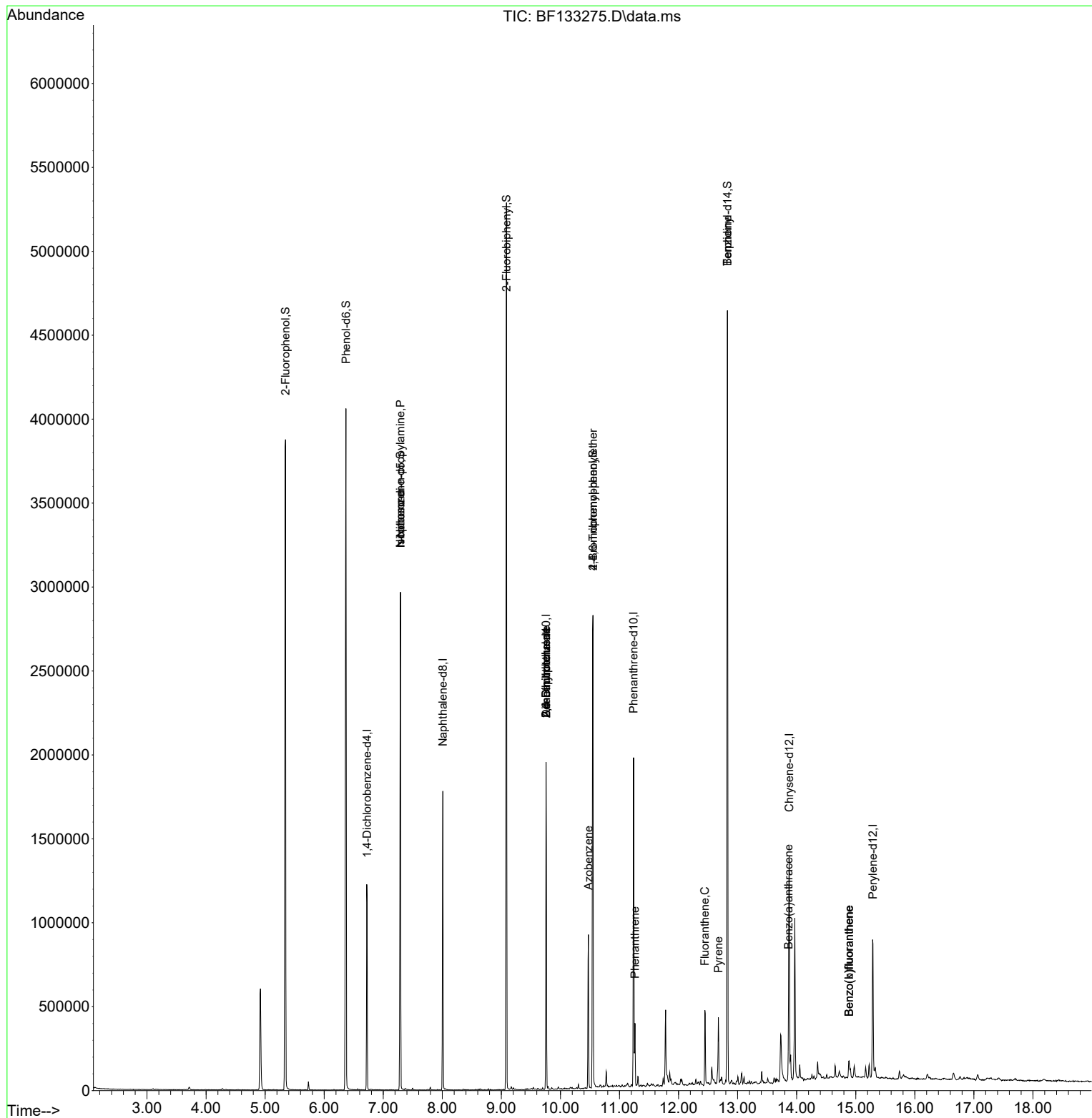
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	175378	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	689007	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	361573	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	658980	20.000	ng	0.00
76) Chrysene-d12	13.874	240	415175	20.000	ng	0.00
86) Perylene-d12	15.292	264	355590	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1221749	105.235	ng	0.01
7) Phenol-d6	6.369	99	1446733	100.397	ng	0.00
23) Nitrobenzene-d5	7.292	82	885464	69.367	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	361703	99.470	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1470604	68.045	ng	0.00
79) Terphenyl-d14	12.827	244	1645808	68.368	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	100	Below Cal	#	29
19) n-Nitroso-di-n-propyla...	7.292	70	117737	13.124	ng	# 76
25) Isophorone	7.292	82	885455	36.535	ng	# 63
50) Dimethylphthalate	9.757	163	68128	2.702	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	47319	8.339	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	47319	6.539	ng	# 23
63) Azobenzene	10.475	77	154178	6.112	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	23011	3.220	ng	# 1
71) Phenanthrene	11.263	178	112525	3.177	ng	97
75) Fluoranthene	12.445	202	178540	5.023	ng	98
77) Benzidine	12.827	184	20010	2.850	ng	# 94
78) Pyrene	12.674	202	142808	4.013	ng	99
81) Benzo(a)anthracene	13.863	228	58007	2.032	ng	97
88) Benzo(b)fluoranthene	14.886	252	71952	3.181	ng	98
89) Benzo(k)fluoranthene	14.886	252	71952	3.209	ng	98

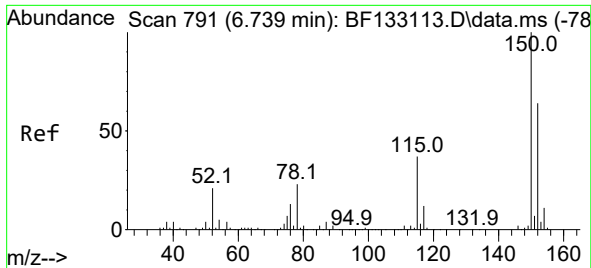
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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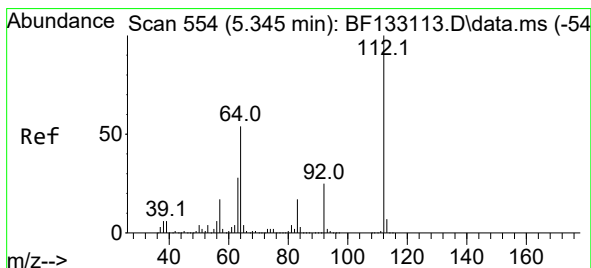
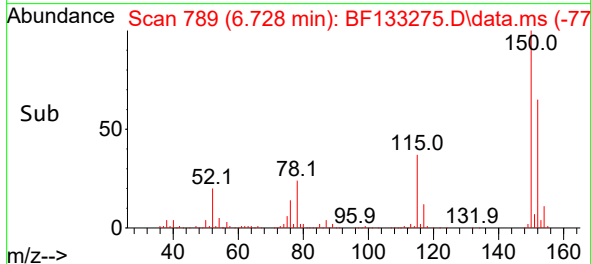
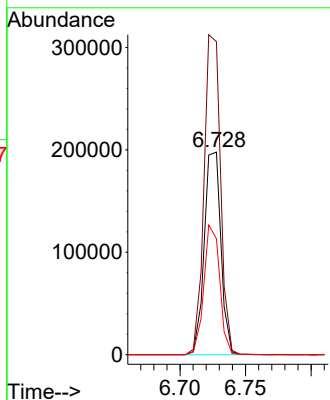
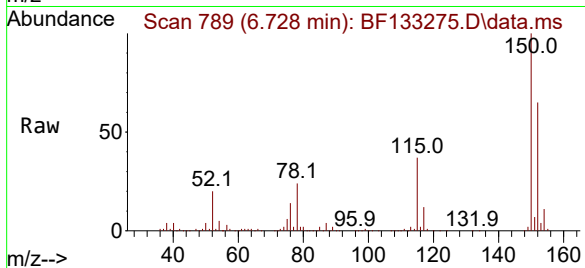




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

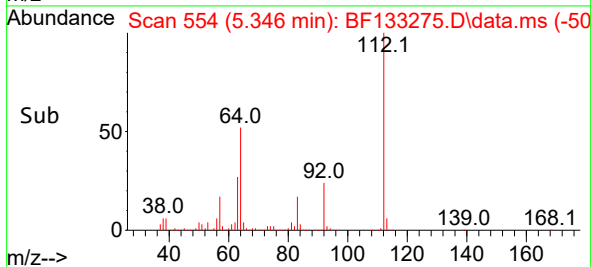
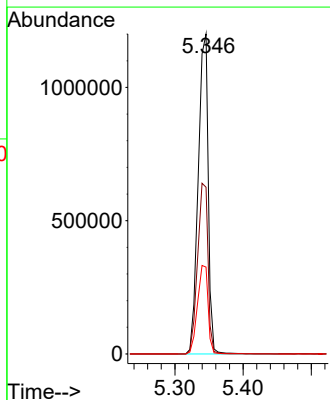
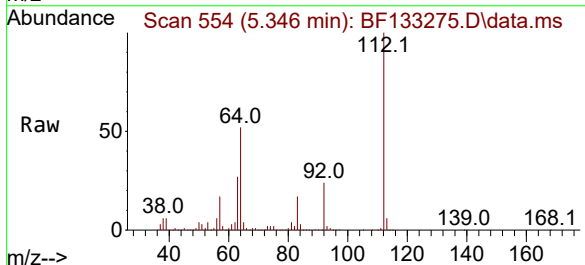
Instrument :
BNA_F
ClientSampleId :
WZ-3

Tgt Ion:152 Resp: 175378
Ion Ratio Lower Upper
152 100
150 154.6 124.8 187.2
115 57.3 49.9 74.9



#5
2-Fluorophenol
Concen: 105.235 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.012 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:112 Resp: 1221749
Ion Ratio Lower Upper
112 100
64 52.1 46.8 70.2
63 27.1 23.8 35.8

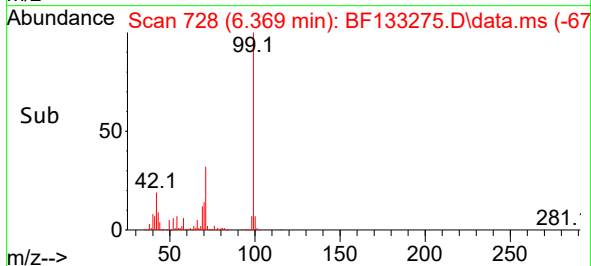
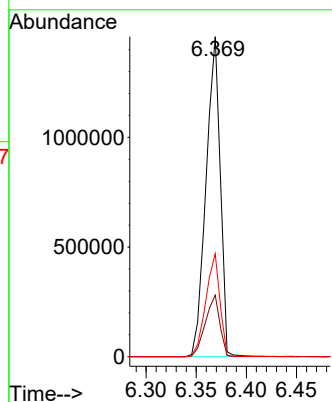
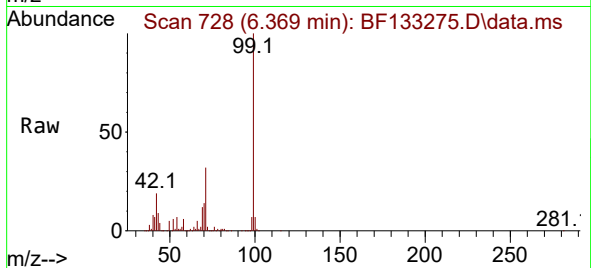




#7
Phenol-d6
Concen: 100.397 ng
RT: 6.369 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

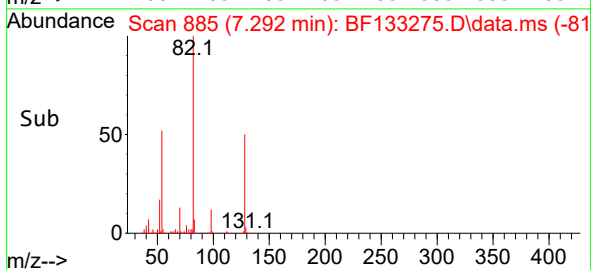
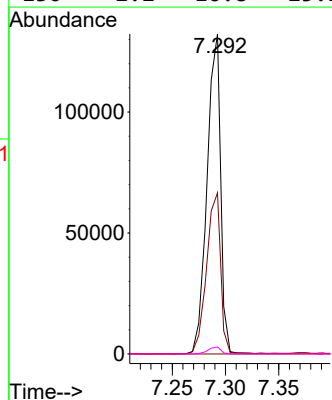
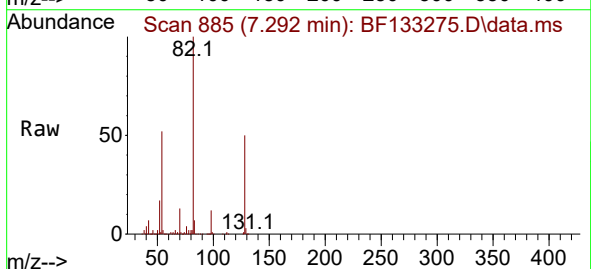
Instrument :
BNA_F
ClientSampleId :
WZ-3

Tgt Ion: 99 Resp: 1446733
Ion Ratio Lower Upper
99 100
42 19.3 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.124 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion: 70 Resp: 117737
Ion Ratio Lower Upper
70 100
42 50.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



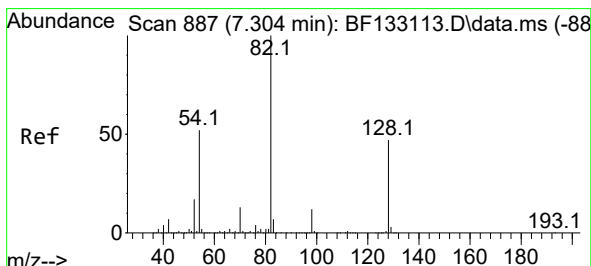
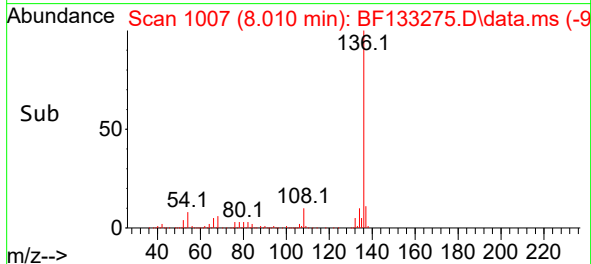
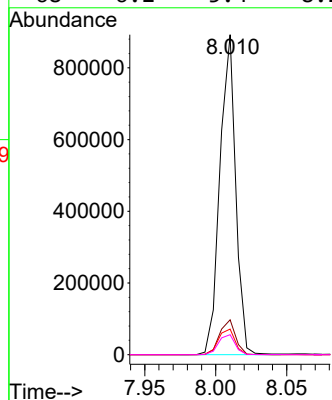
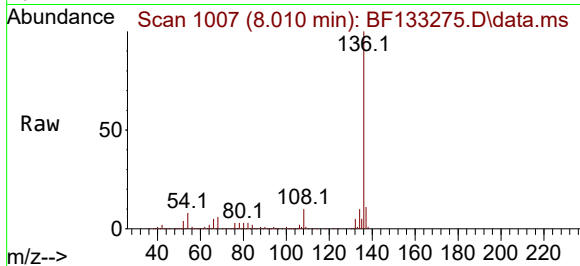


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Instrument :
BNA_F
ClientSampleId :
WZ-3

Tgt Ion:136 Resp: 689007

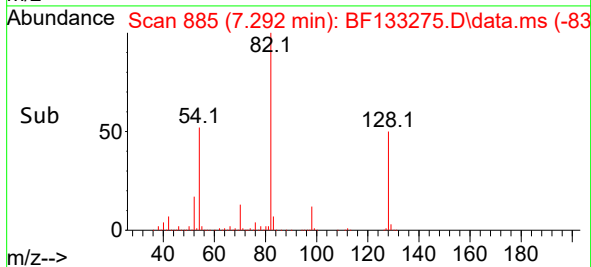
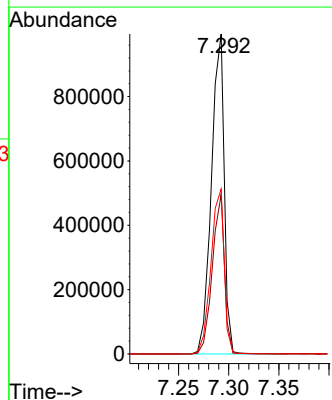
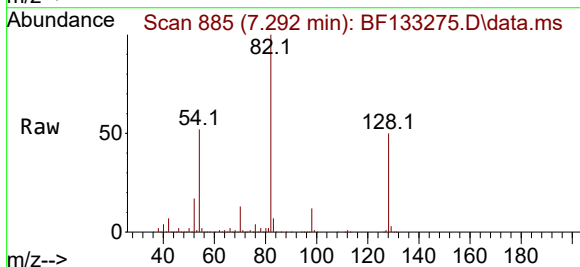
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	7.0	10.4
68	6.2	5.4	8.2

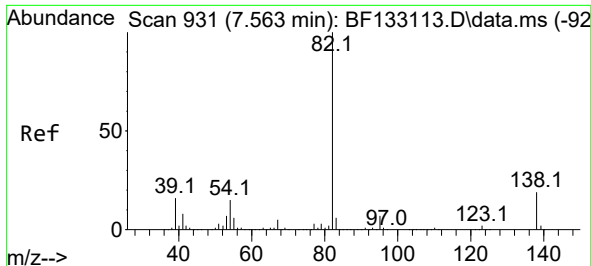


#23
Nitrobenzene-d5
Concen: 69.367 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion: 82 Resp: 885464

Ion	Ratio	Lower	Upper
82	100		
128	49.8	37.7	56.5
54	51.5	43.0	64.4

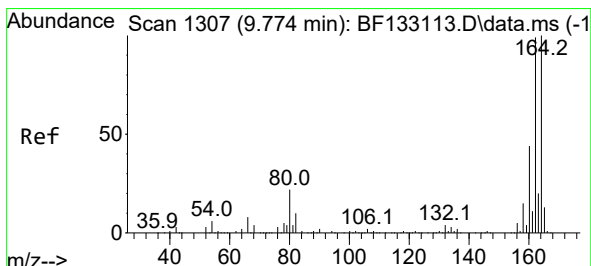
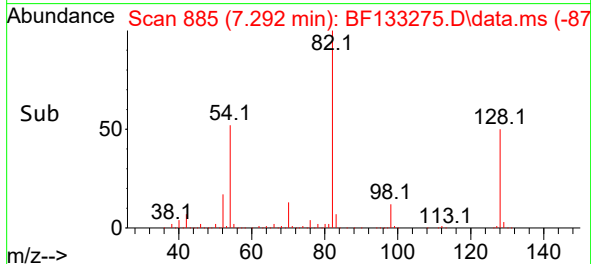
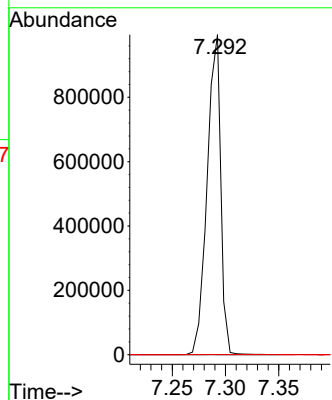
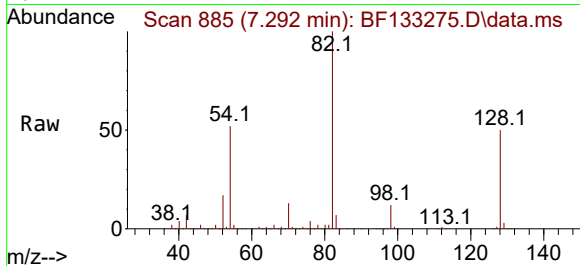




#25
Isophorone
Concen: 36.535 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

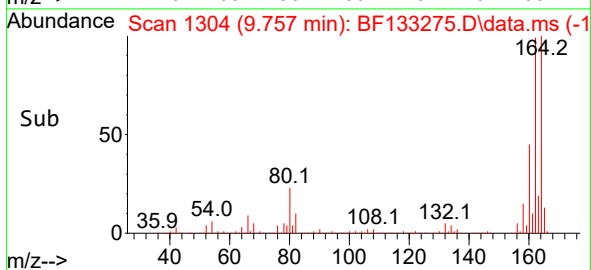
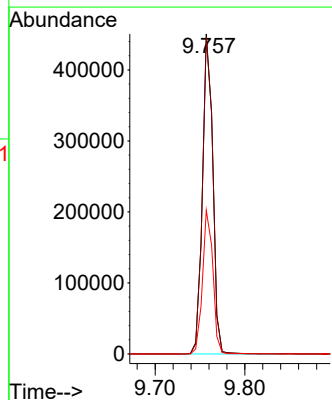
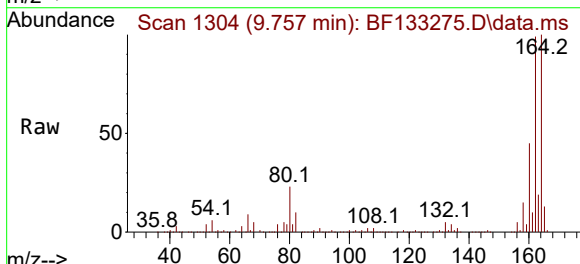
Instrument :
BNA_F
ClientSampleId :
WZ-3

Tgt Ion: 82 Resp: 885455
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. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion: 164 Resp: 361573
Ion Ratio Lower Upper
164 100
162 99.0 78.7 118.1
160 44.9 35.8 53.6

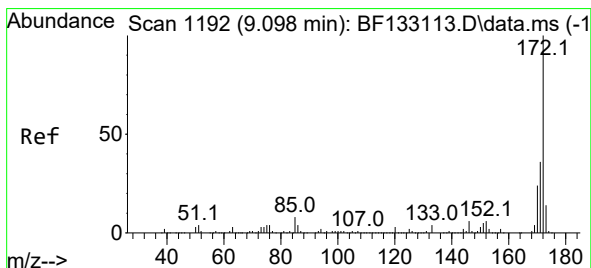
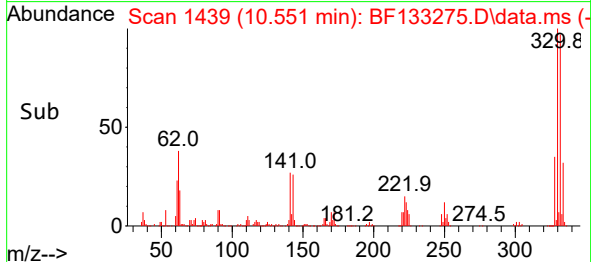
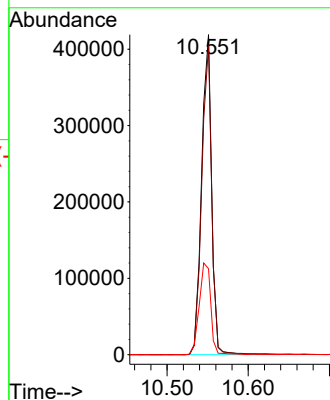
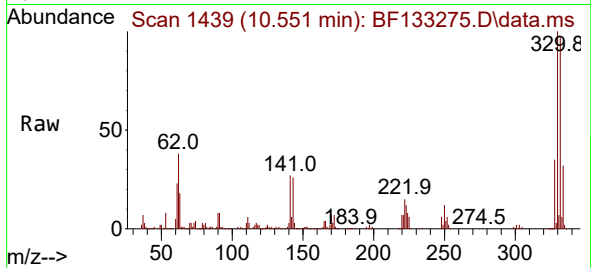




#42
2,4,6-Tribromophenol
Concen: 99.470 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

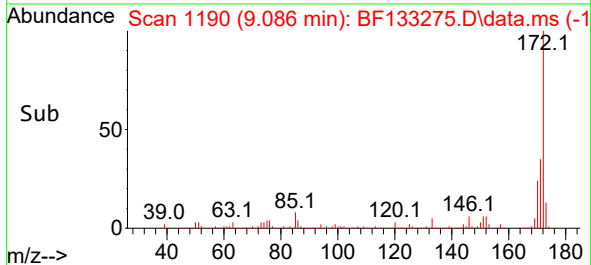
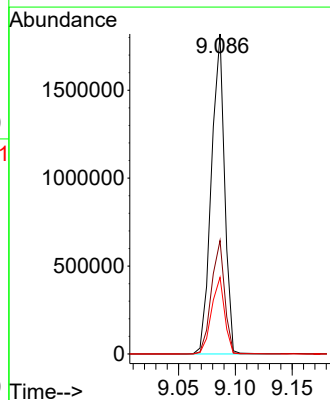
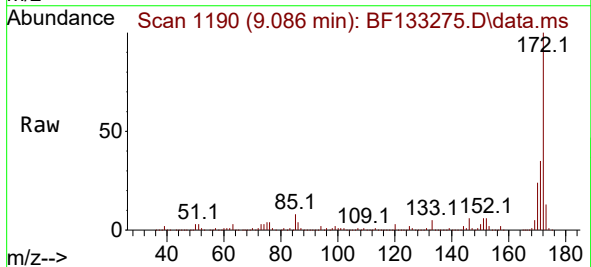
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BNA_F
ClientSampleId :
WZ-3

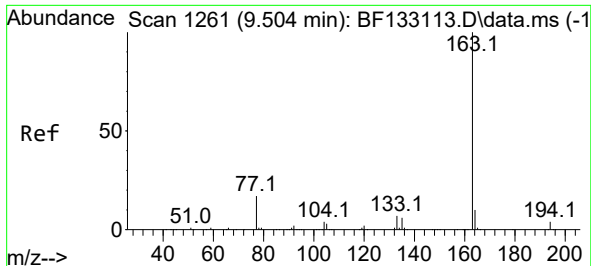
Tgt Ion:330 Resp: 361703
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 32.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 68.045 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:172 Resp: 1470604
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.9 19.4 29.2

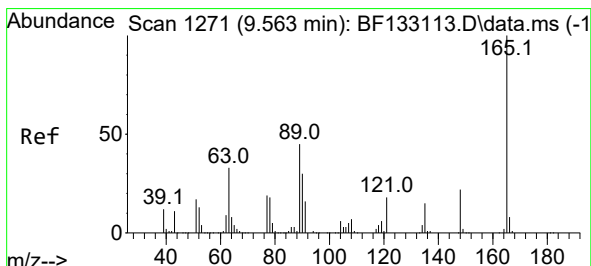
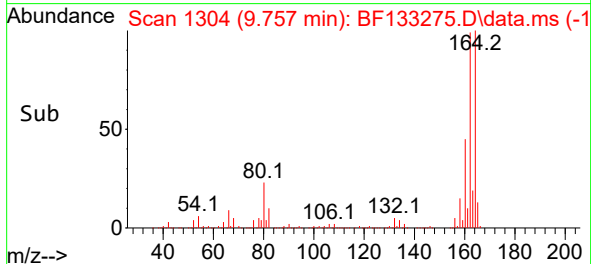
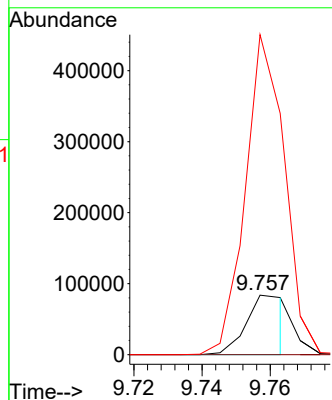
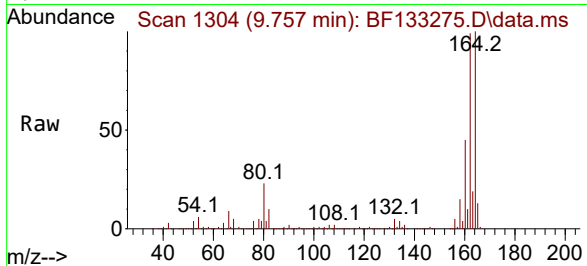




#50
Dimethylphthalate
Concen: 2.702 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

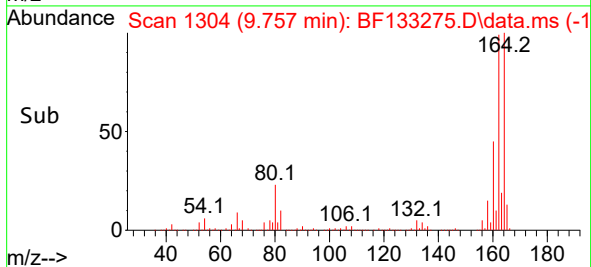
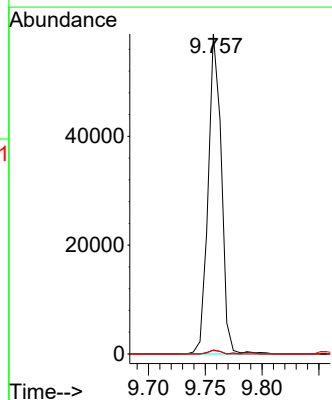
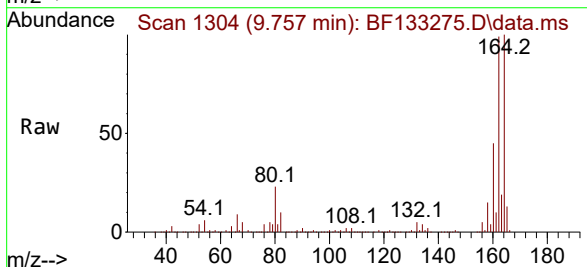
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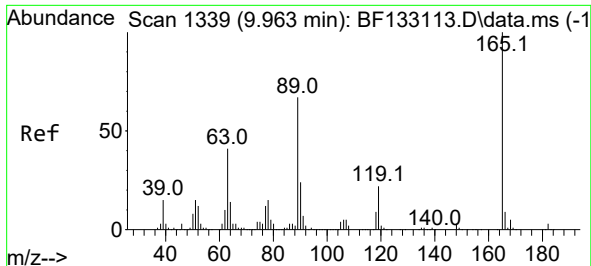
Tgt Ion:163 Resp: 68128
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 537.9 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.339 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:165 Resp: 47319
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.3 44.0 66.0#

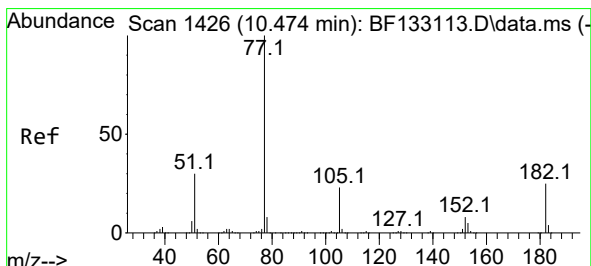
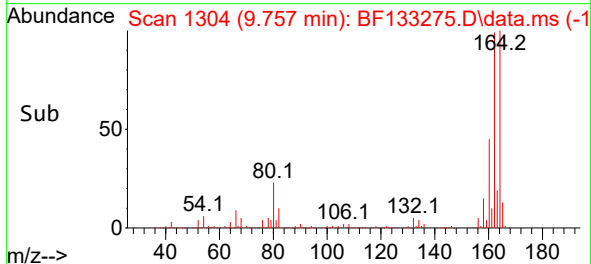
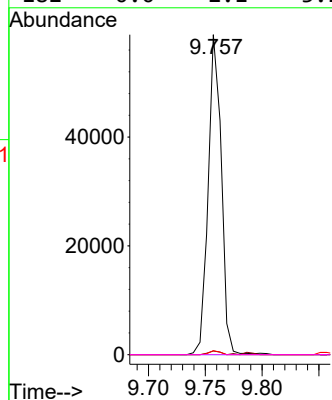
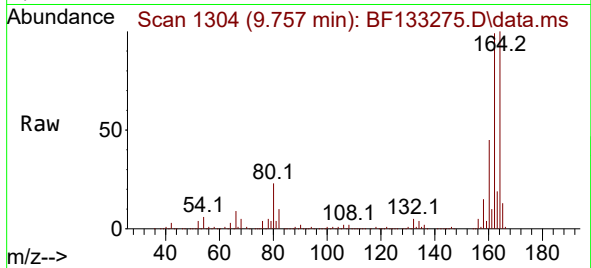




#57
2,4-Dinitrotoluene
Concen: 6.539 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

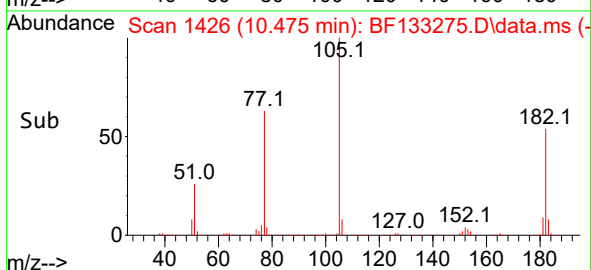
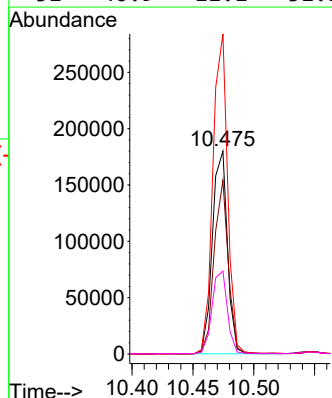
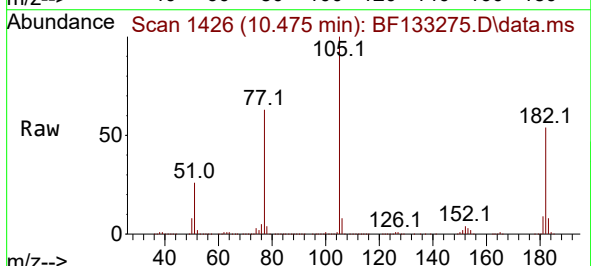
Instrument :
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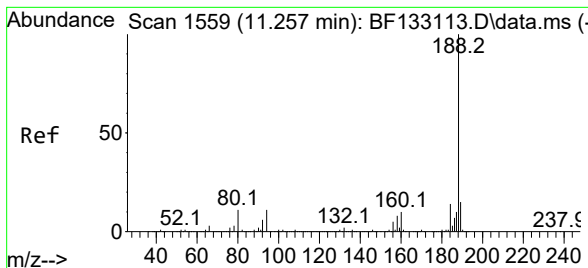
Tgt Ion:165 Resp: 47319
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 6.112 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion: 77 Resp: 154178
Ion Ratio Lower Upper
77 100
182 85.6 5.9 45.9#
105 157.9 2.3 42.3#
51 40.9 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

Instrument :

BNA_F

ClientSampleId :

WZ-3

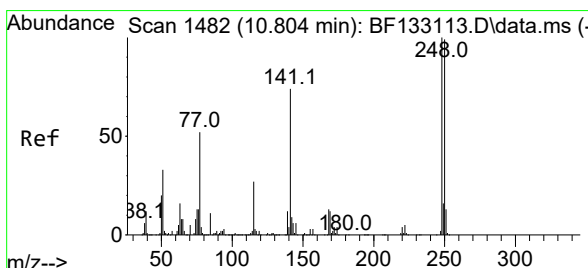
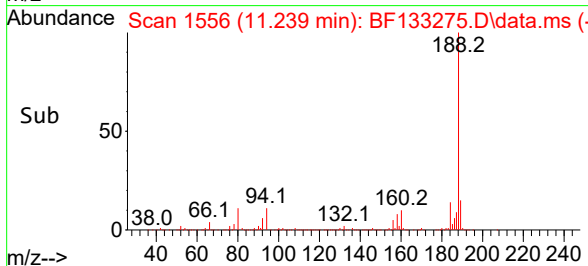
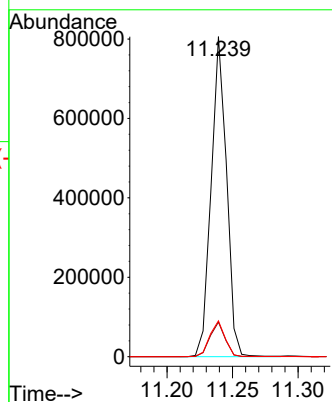
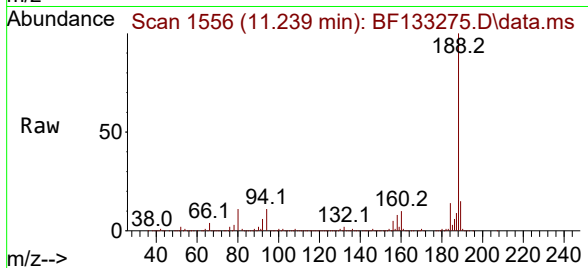
Tgt Ion:188 Resp: 658980

Ion Ratio Lower Upper

188 100

94 10.8 9.7 14.5

80 11.2 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.220 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.241 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

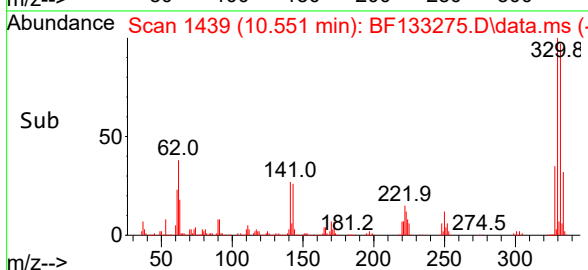
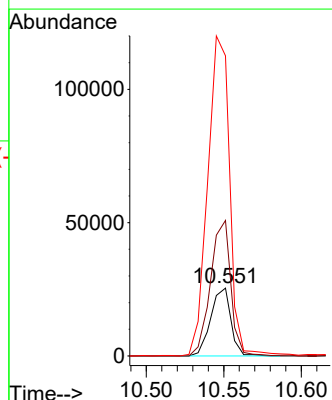
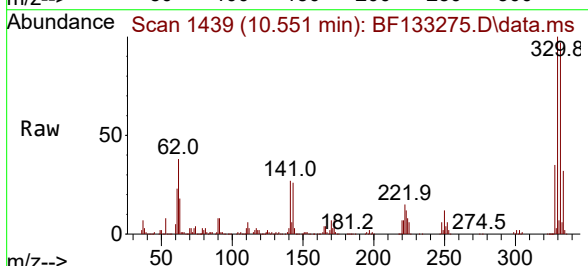
Tgt Ion:248 Resp: 23011

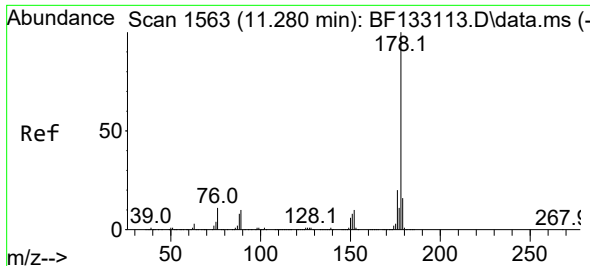
Ion Ratio Lower Upper

248 100

250 200.0 78.7 118.1#

141 442.8 56.3 84.5#

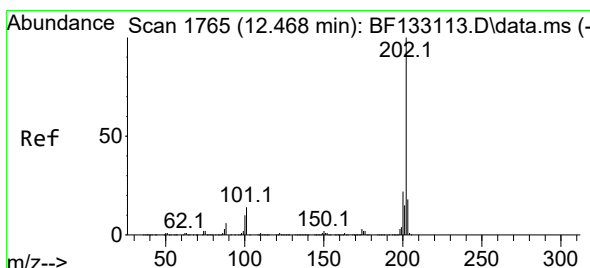
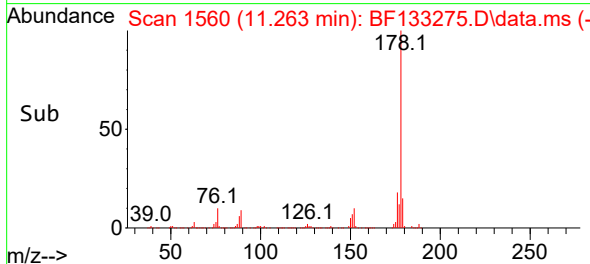
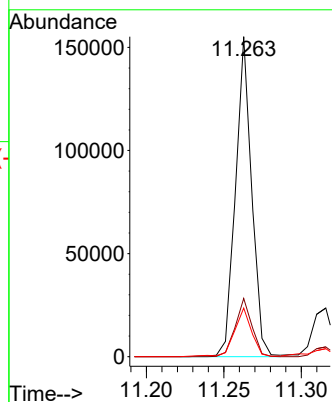
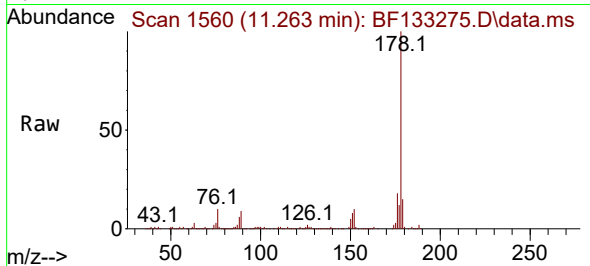




#71
Phenanthrene
Concen: 3.177 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

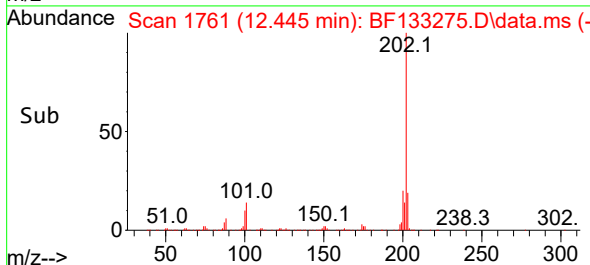
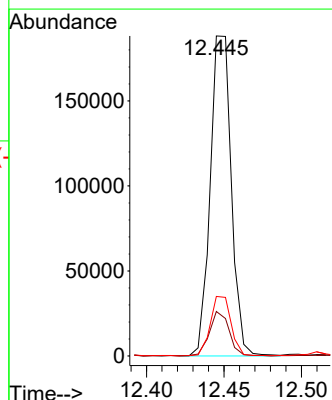
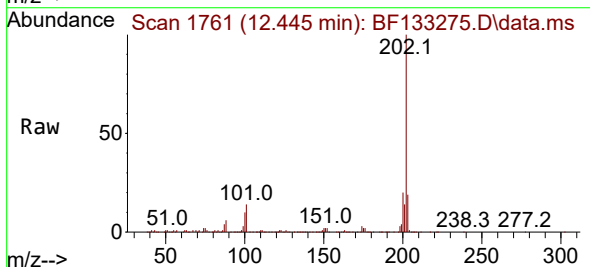
Instrument :
BNA_F
ClientSampleId :
WZ-3

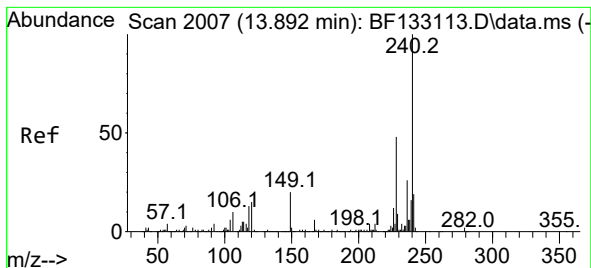
Tgt Ion:178 Resp: 112525
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.2 12.5 18.7



#75
Fluoranthene
Concen: 5.023 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:202 Resp: 178540
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 18.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

Instrument :

BNA_F

ClientSampleId :

WZ-3

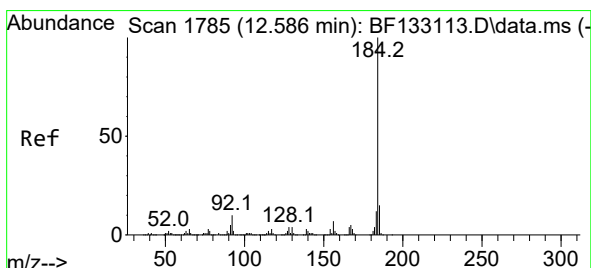
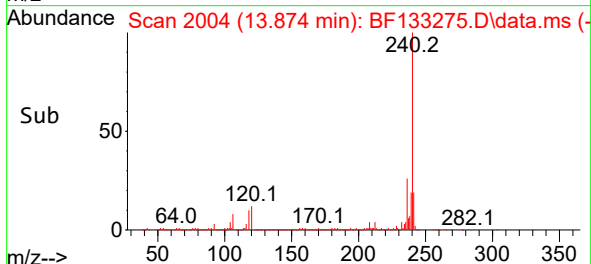
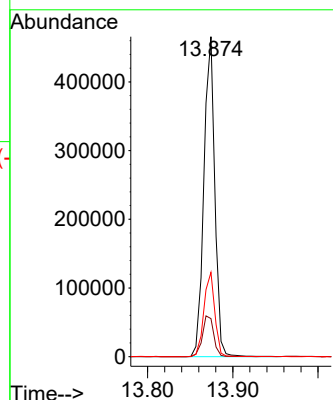
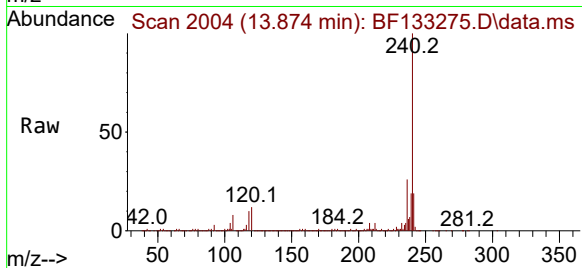
Tgt Ion:240 Resp: 415175

Ion Ratio Lower Upper

240 100

120 11.9 10.5 15.7

236 26.3 21.5 32.3



#77

Benzdine

Concen: 2.850 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.253 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

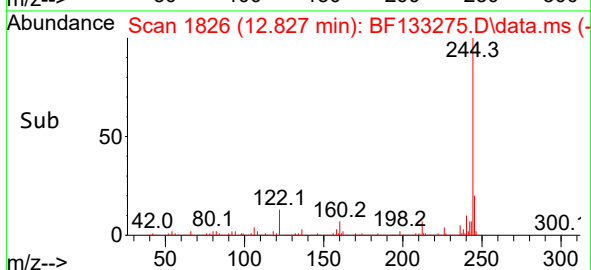
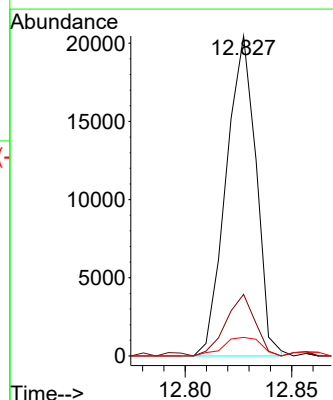
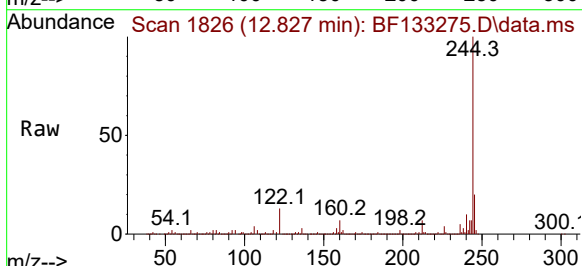
Tgt Ion:184 Resp: 20010

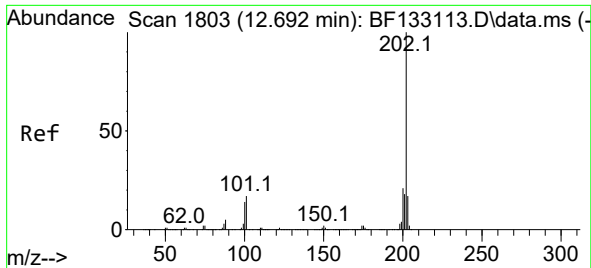
Ion Ratio Lower Upper

184 100

185 19.2 15.4 23.2

183 5.8 9.4 14.0#

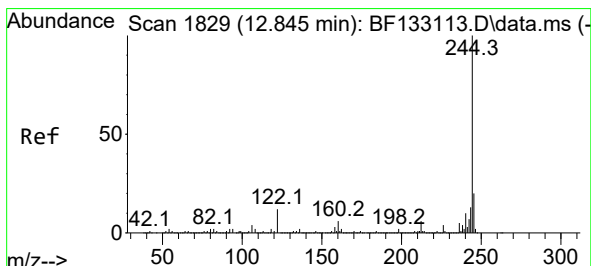
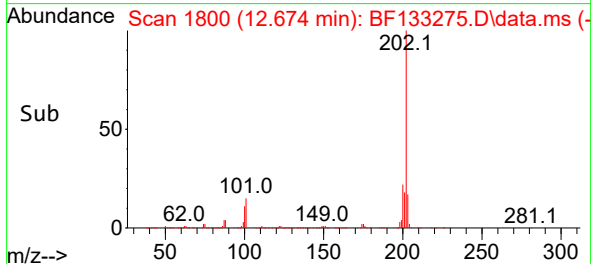
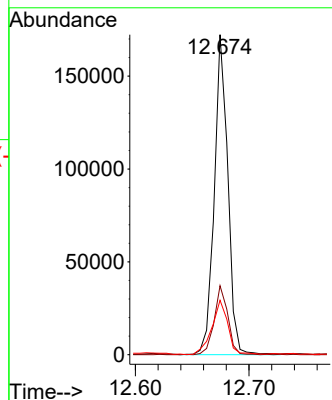
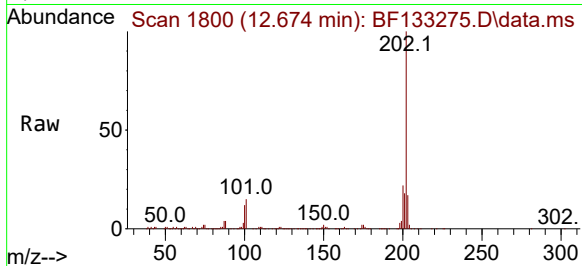




#78
Pyrene
Concen: 4.013 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

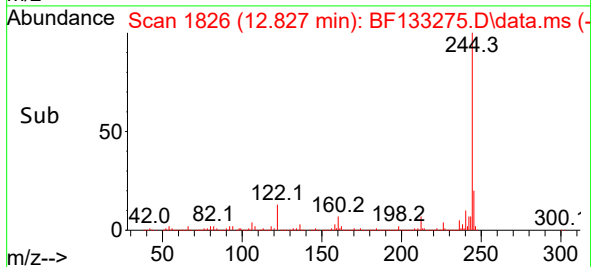
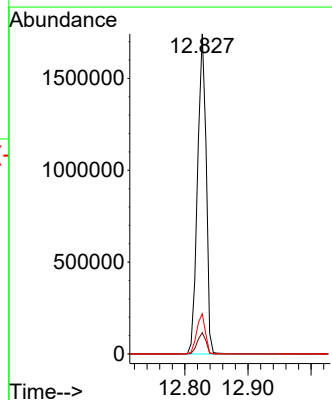
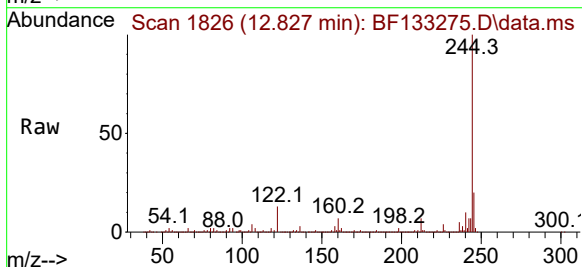
Instrument :
BNA_F
ClientSampleId :
WZ-3

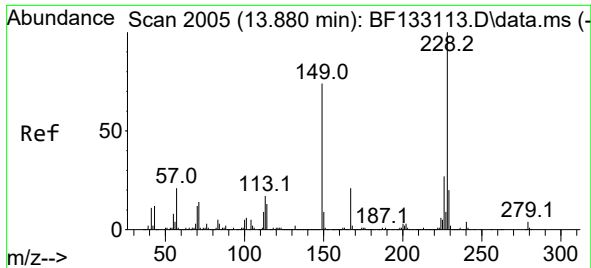
Tgt Ion:202 Resp: 142808
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.0 14.1 21.1



#79
Terphenyl-d14
Concen: 68.368 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:244 Resp: 1645808
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 12.5 8.6 13.0

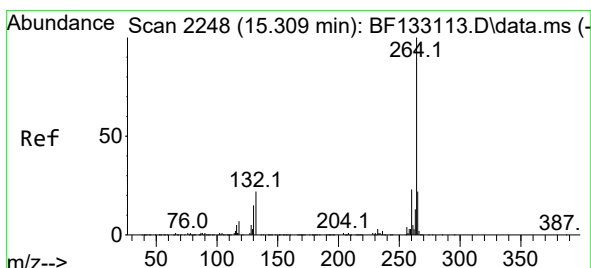
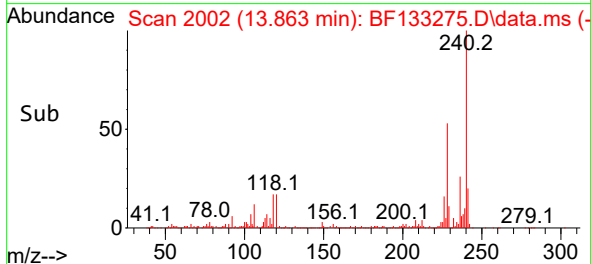
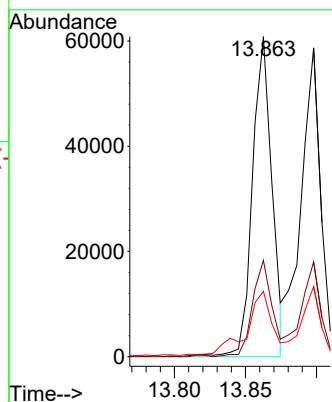
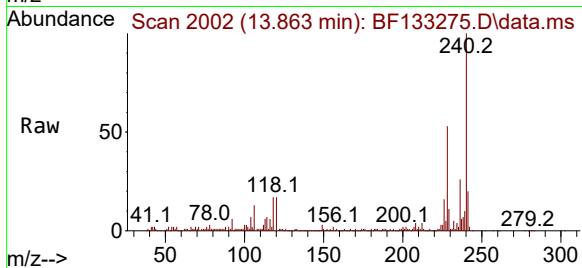




#81
Benzo(a)anthracene
Concen: 2.032 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

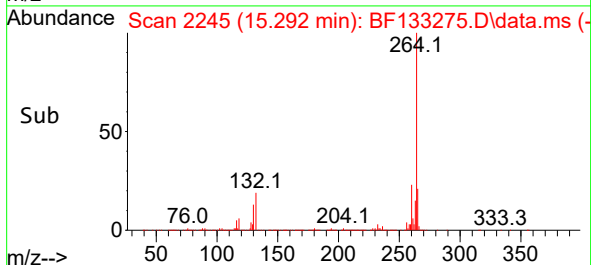
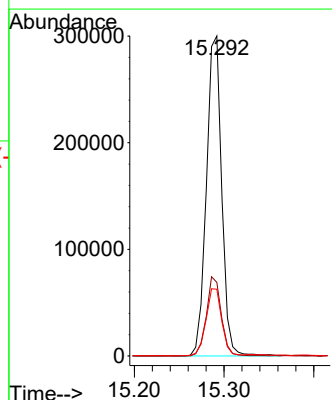
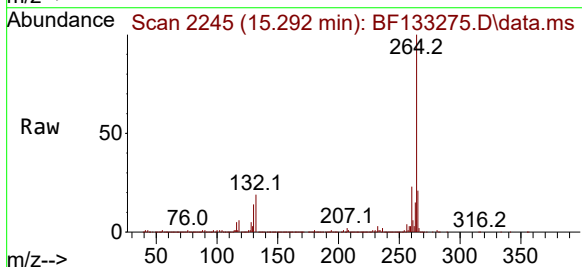
Instrument :
BNA_F
ClientSampleId :
WZ-3

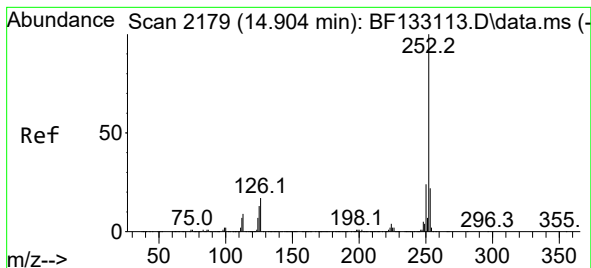
Tgt Ion:228 Resp: 58007
Ion Ratio Lower Upper
228 100
226 30.1 22.2 33.4
229 20.5 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF133275.D
Acq: 05 May 2023 21:20

Tgt Ion:264 Resp: 355590
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 20.9 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.181 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

Instrument :

BNA_F

ClientSampleId :

WZ-3

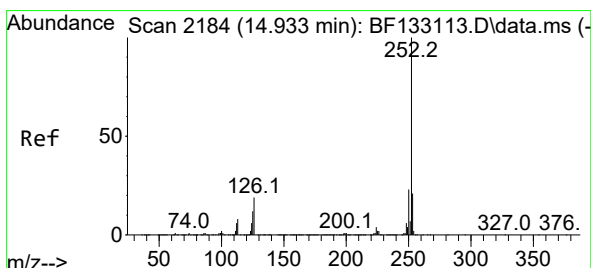
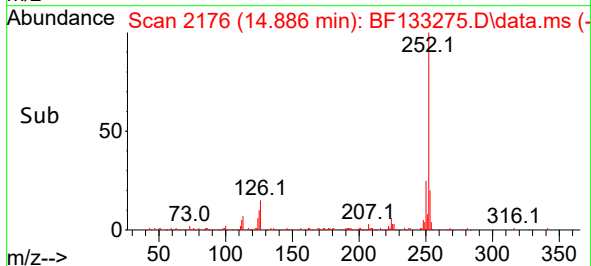
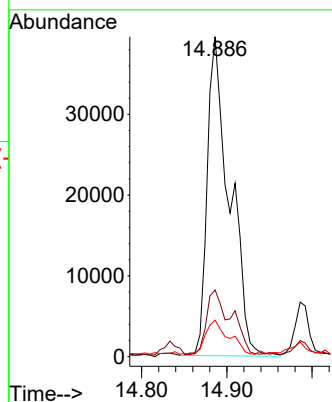
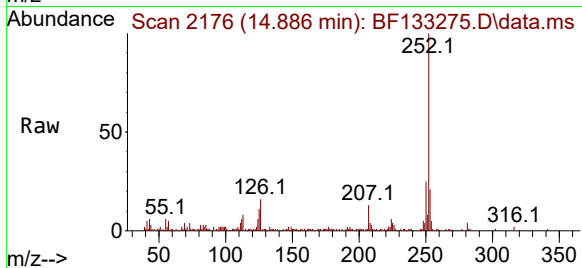
Tgt Ion:252 Resp: 71952

Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

125 11.4 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 3.209 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.035 min

Lab File: BF133275.D

Acq: 05 May 2023 21:20

Tgt Ion:252 Resp: 71952

Ion Ratio Lower Upper

252 100

253 20.8 17.7 26.5

125 11.4 9.0 13.4

