

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133170.D
 Acq On : 01 May 2023 22:47
 Operator : CG\JU
 Sample : 02557-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-042823-A

Quant Time: May 02 05:24:14 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)

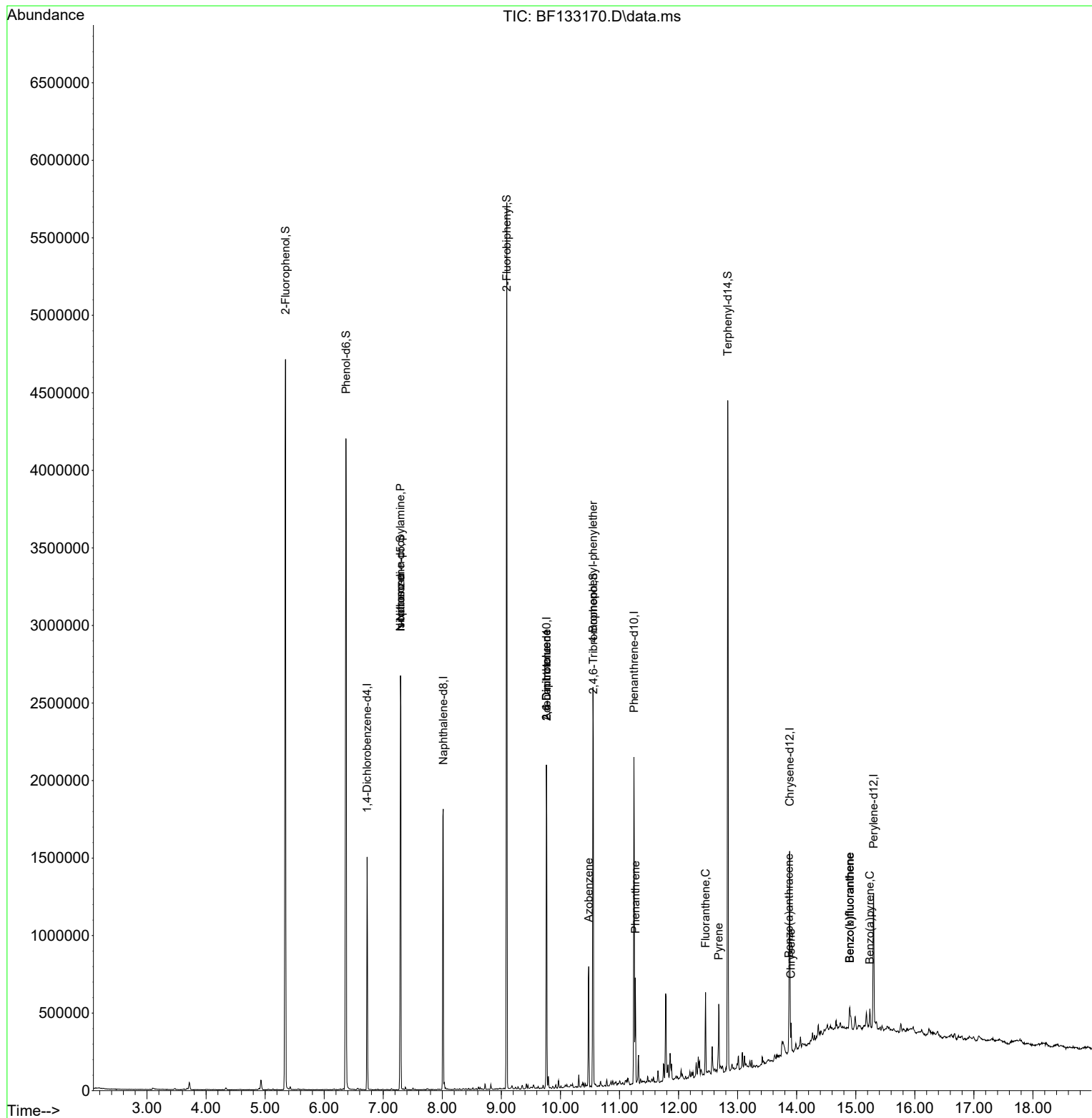
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	207165	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	812771	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	408516	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	716548	20.000	ng	0.00
76) Chrysene-d12	13.880	240	380889	20.000	ng	-0.01
86) Perylene-d12	15.304	264	385686	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1415151	103.190	ng	0.00
7) Phenol-d6	6.369	99	1730684	101.674	ng	0.00
23) Nitrobenzene-d5	7.292	82	905362	60.126	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	339427	82.618	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1658072	67.903	ng	0.00
79) Terphenyl-d14	12.833	244	1567636	70.983	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	1021	Below Cal	#	76
19) n-Nitroso-di-n-propyla...	7.292	70	117208	11.060	ng	# 74
25) Isophorone	7.292	82	902099	31.553	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	52308	8.159	ng	# 24
57) 2,4-Dinitrotoluene	9.763	165	52308	6.398	ng	# 23
63) Azobenzene	10.480	77	125755	4.412	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	21773	2.802	ng	# 1
71) Phenanthrene	11.269	178	225412	5.853	ng	98
75) Fluoranthene	12.457	202	177478	4.592	ng	97
78) Pyrene	12.680	202	174881	5.356	ng	99
81) Benzo(a)anthracene	13.868	228	71598	2.734	ng	99
83) Chrysene	13.904	228	68460	2.614	ng	96
88) Benzo(b)fluoranthene	14.898	252	91353	3.723	ng	# 90
89) Benzo(k)fluoranthene	14.898	252	91353	3.756	ng	# 90
90) Benzo(a)pyrene	15.239	252	53085	2.377	ng	# 95

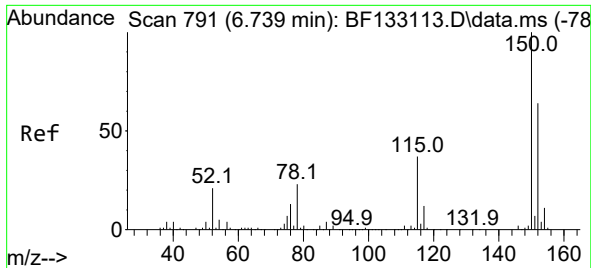
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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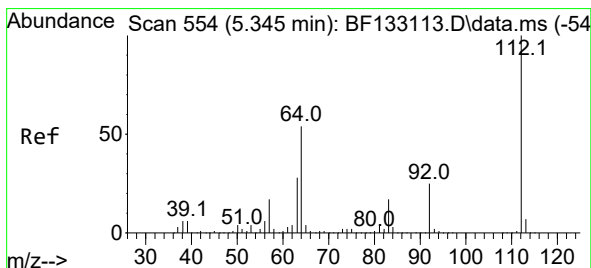
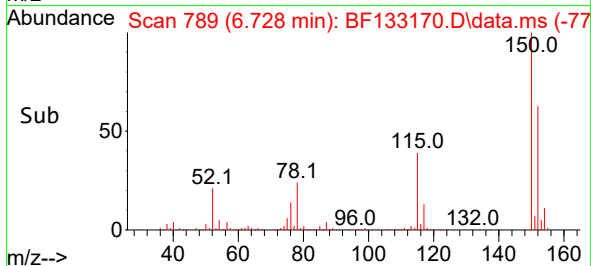
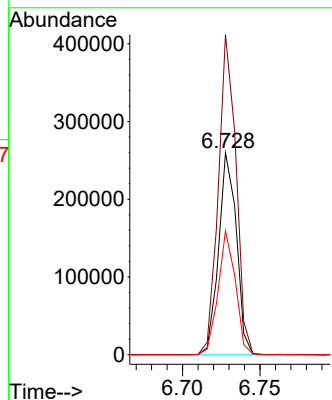
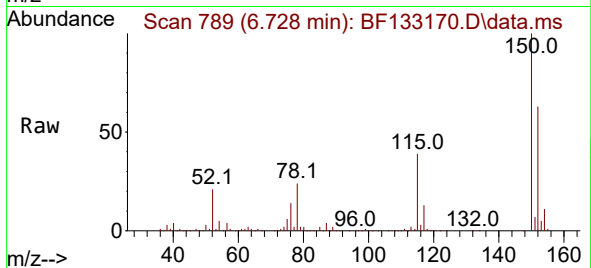




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

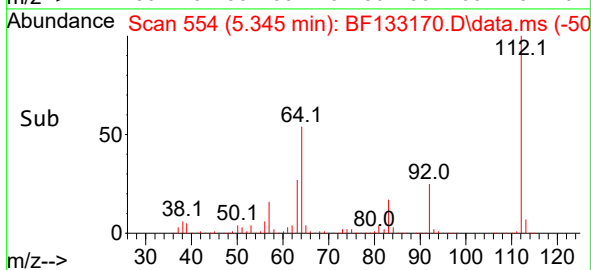
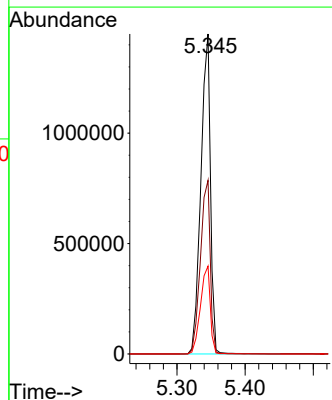
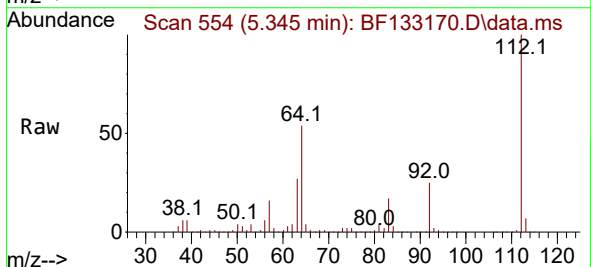
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BNA_F
ClientSampleId :
JC-03-042823-A

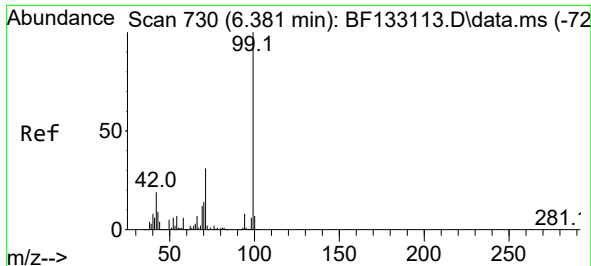
Tgt Ion:152 Resp: 207165
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 61.3 49.9 74.9



#5
2-Fluorophenol
Concen: 103.190 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:112 Resp: 1415151
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 27.5 23.8 35.8

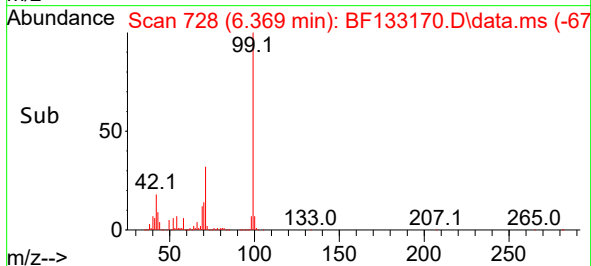
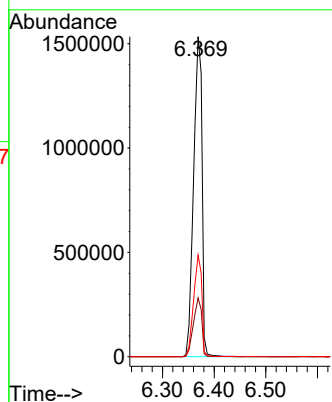
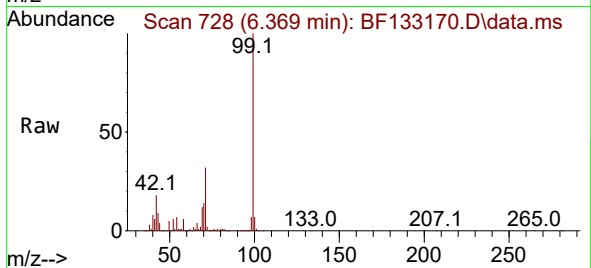




#7
Phenol-d6
Concen: 101.674 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

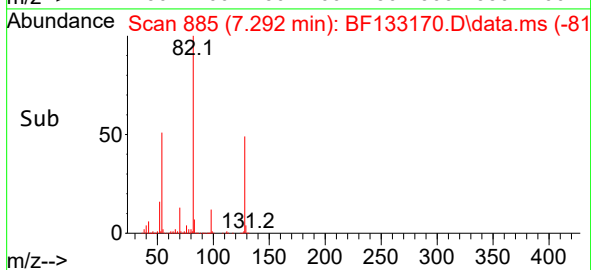
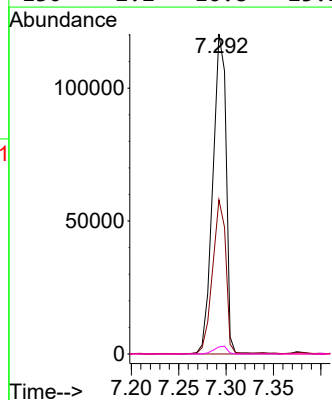
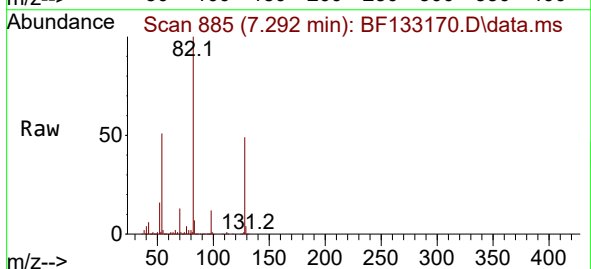
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ClientSampleId :
JC-03-042823-A

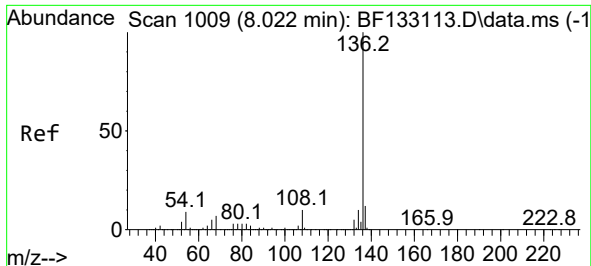
Tgt Ion: 99 Resp: 1730684
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 31.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.060 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion: 70 Resp: 117208
Ion Ratio Lower Upper
70 100
42 48.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

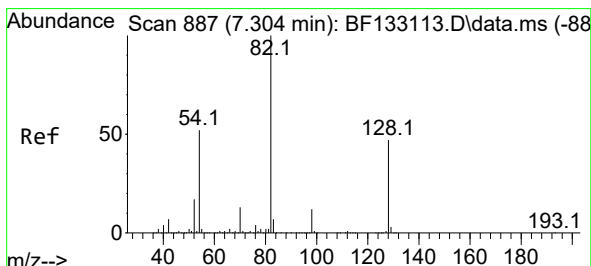
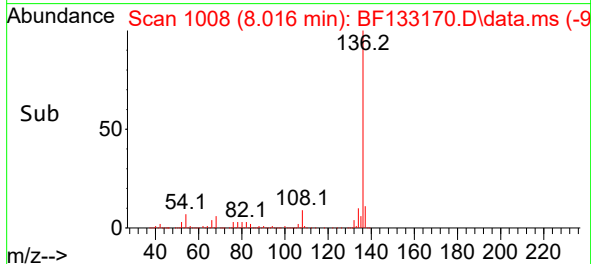
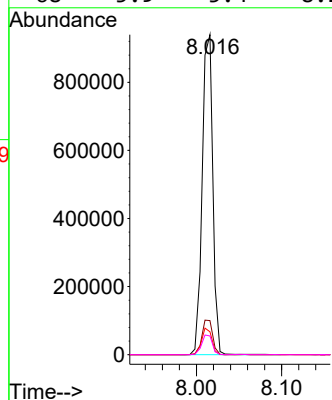
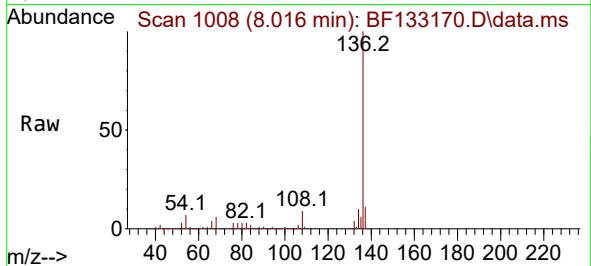




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

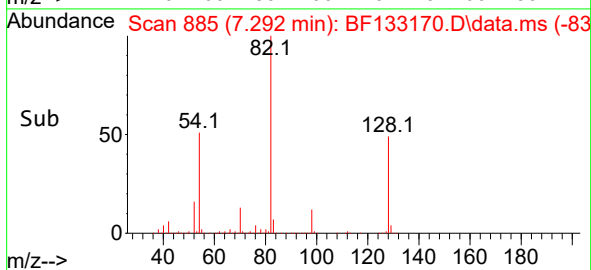
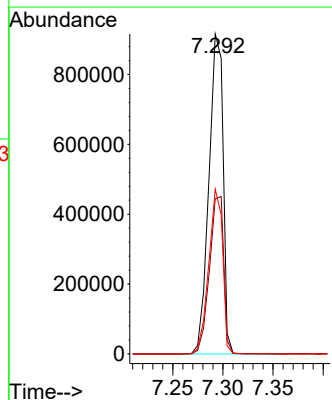
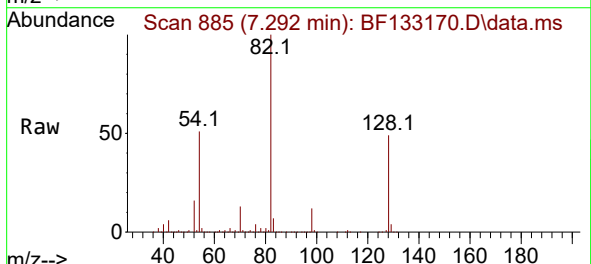
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A

Tgt Ion:136 Resp: 812771
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.1 7.0 10.4
68 5.9 5.4 8.2



#23
Nitrobenzene-d5
Concen: 60.126 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion: 82 Resp: 905362
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 51.5 43.0 64.4

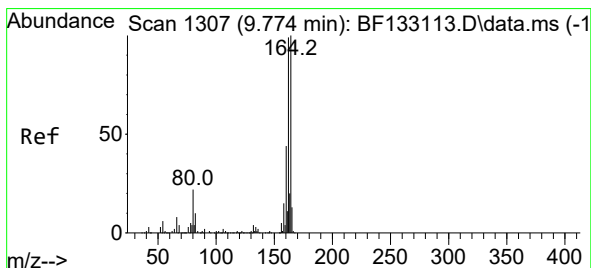
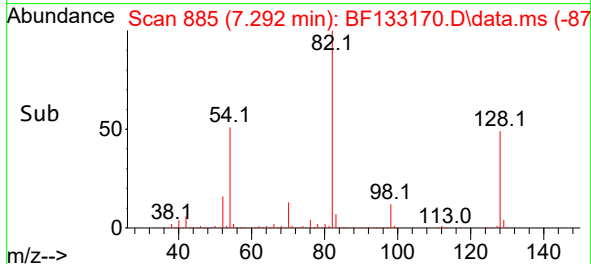
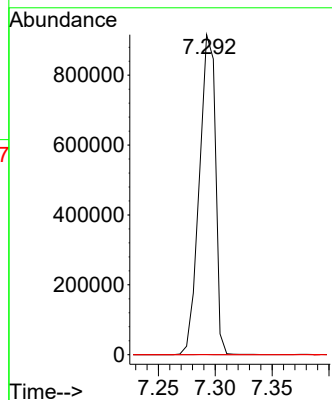
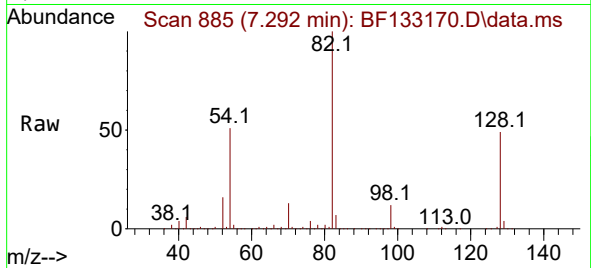




#25
Isophorone
Concen: 31.553 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

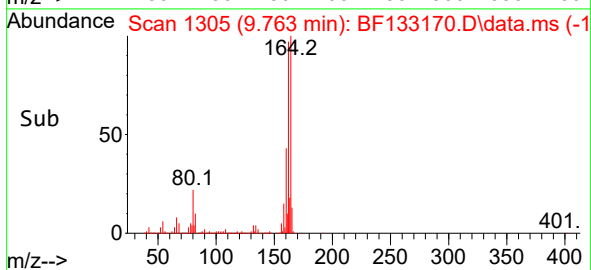
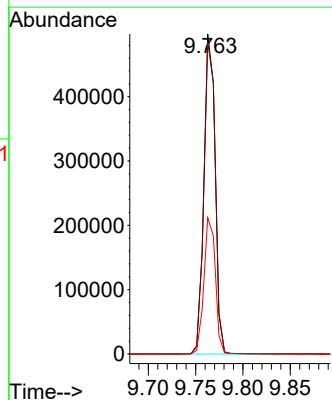
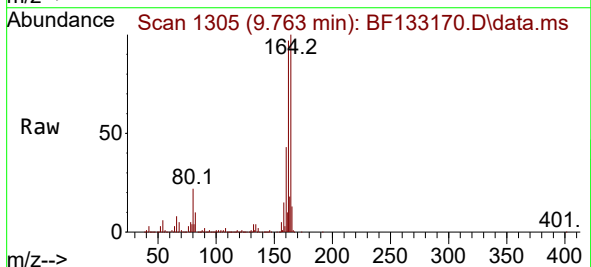
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ClientSampleId :
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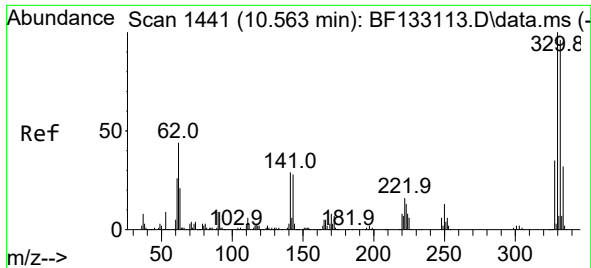
Tgt Ion: 82 Resp: 902099
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:164 Resp: 408516
Ion Ratio Lower Upper
164 100
162 97.5 78.7 118.1
160 42.6 35.8 53.6

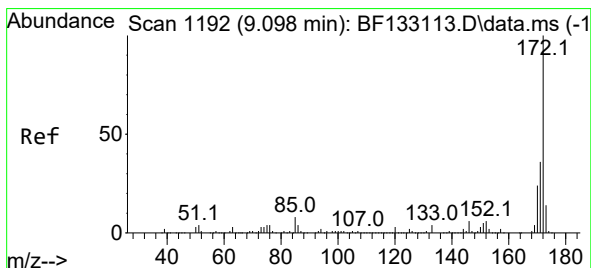
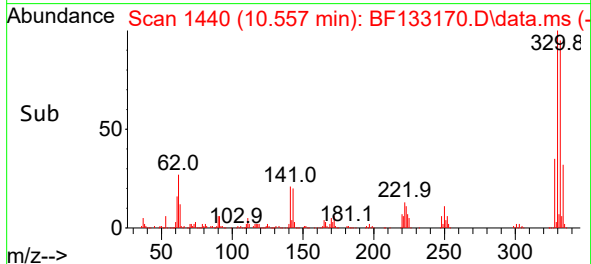
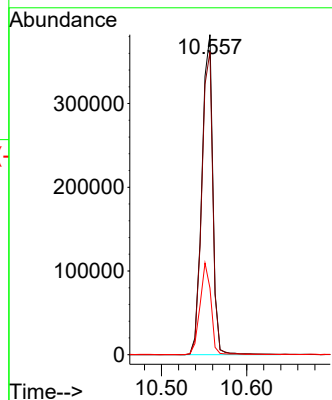
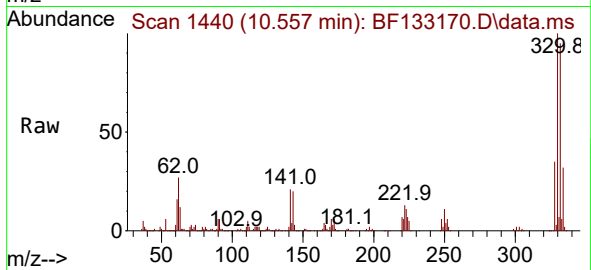




#42
2,4,6-Tribromophenol
Concen: 82.618 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

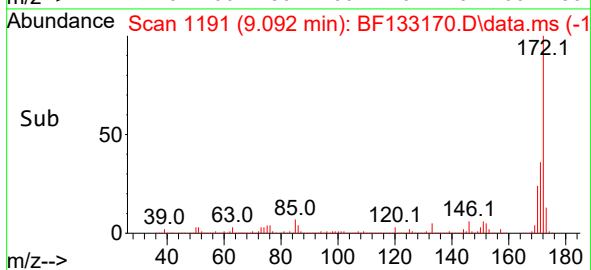
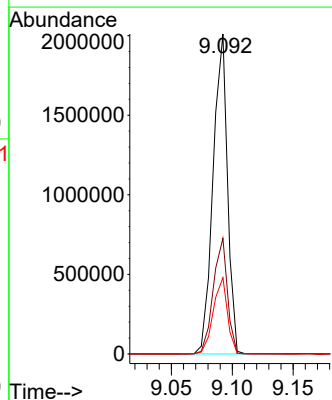
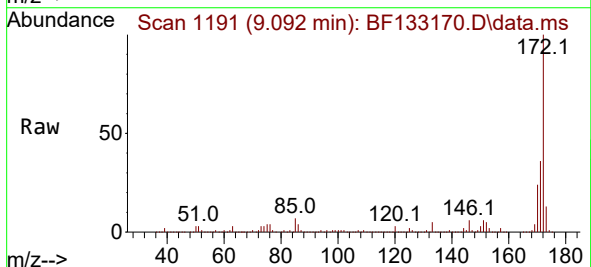
Instrument :
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JC-03-042823-A

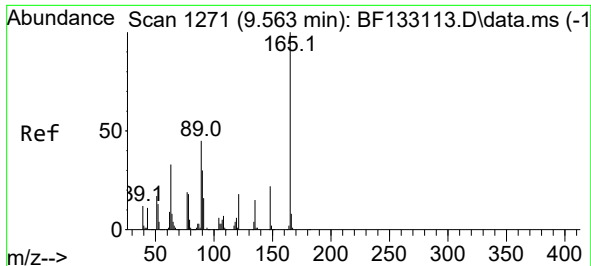
Tgt Ion:330 Resp: 339427
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 28.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 67.903 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:172 Resp: 1658072
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.8 19.4 29.2

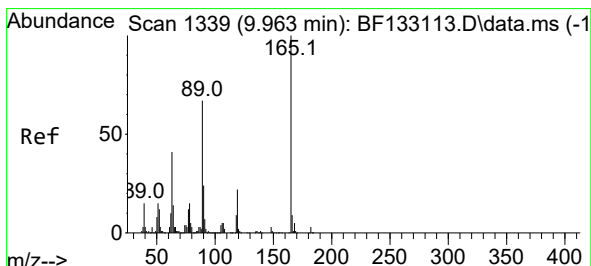
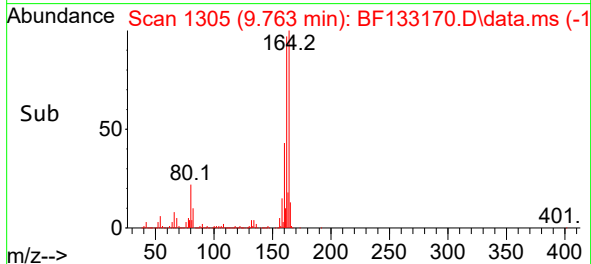
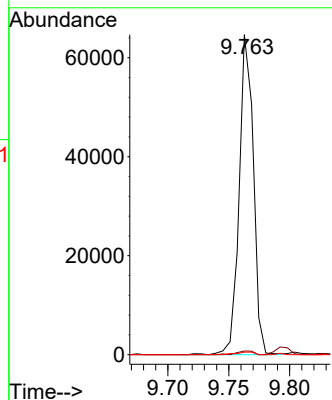
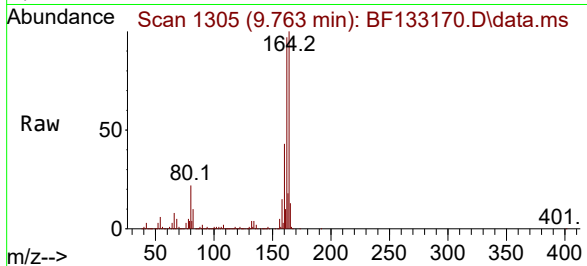




#51
2,6-Dinitrotoluene
Concen: 8.159 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

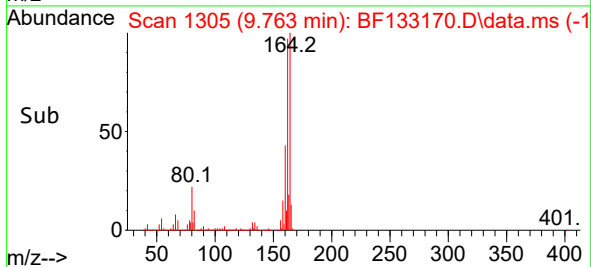
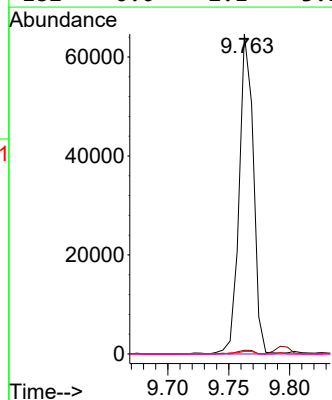
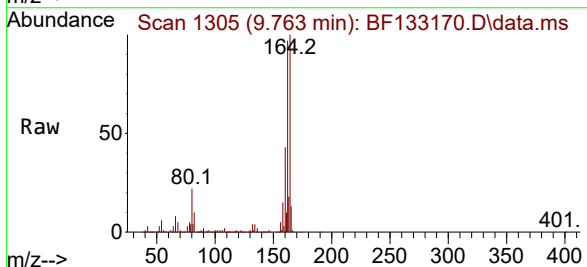
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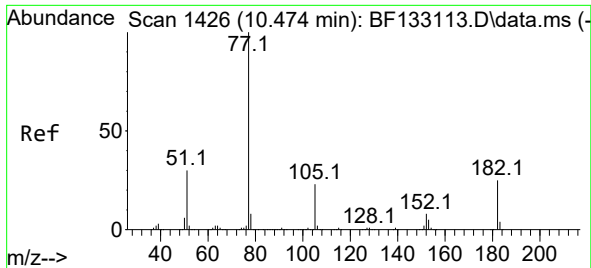
Tgt Ion:165 Resp: 52308
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 0.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.398 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.200 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:165 Resp: 52308
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 0.8 57.0 85.4#
182 0.0 2.1 3.1#

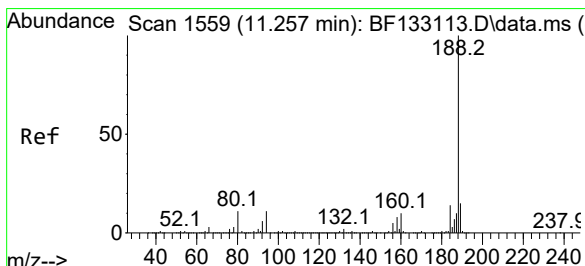
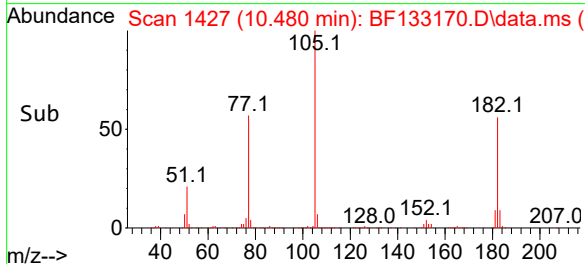
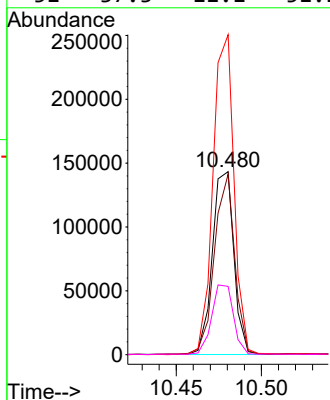
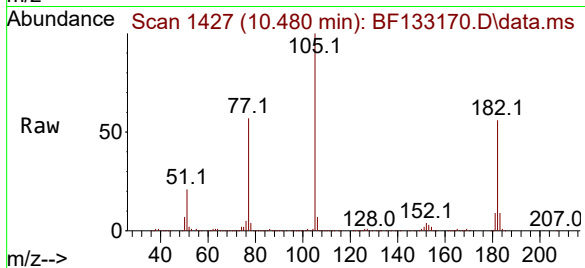




#63
 Azobenzene
 Concen: 4.412 ng
 RT: 10.480 min Scan# 1426
 Delta R.T. 0.006 min
 Lab File: BF133170.D
 Acq: 01 May 2023 22:47

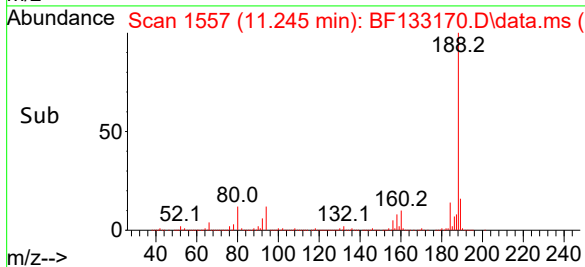
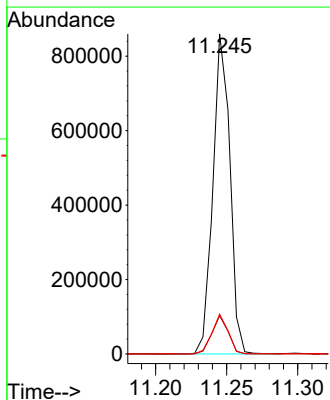
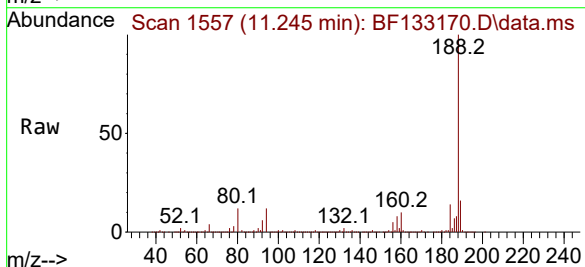
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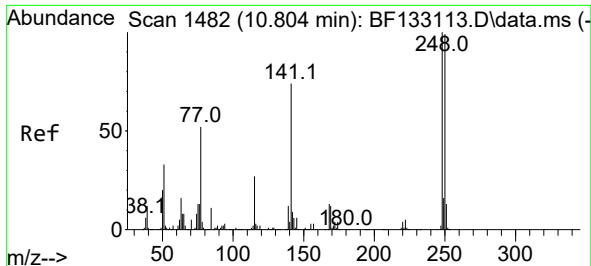
Tgt Ion: 77 Resp: 125755
 Ion Ratio Lower Upper
 77 100
 182 98.5 5.9 45.9#
 105 174.7 2.3 42.3#
 51 37.3 11.1 51.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. -0.006 min
 Lab File: BF133170.D
 Acq: 01 May 2023 22:47

Tgt Ion: 188 Resp: 716548
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.7 14.5
 80 12.5 10.4 15.6

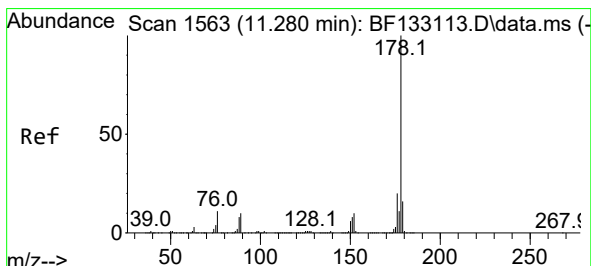
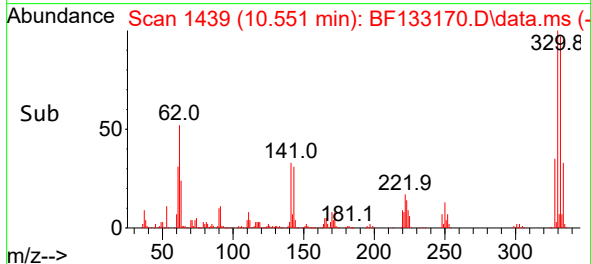
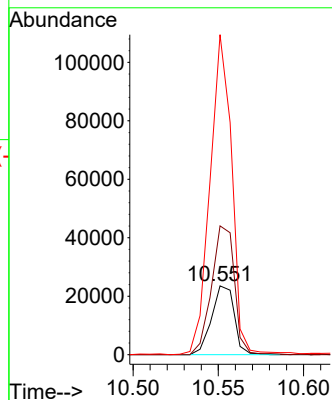
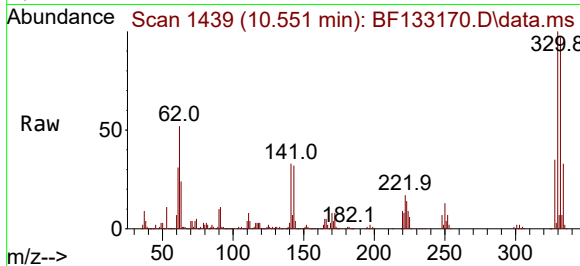




#67
4-Bromophenyl-phenylether
Concen: 2.802 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

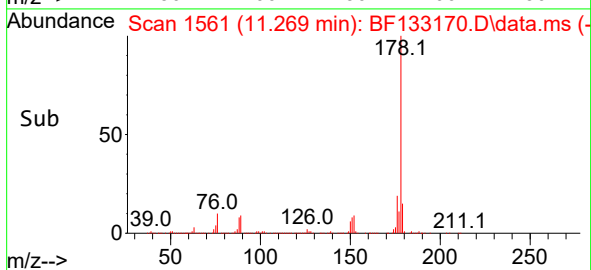
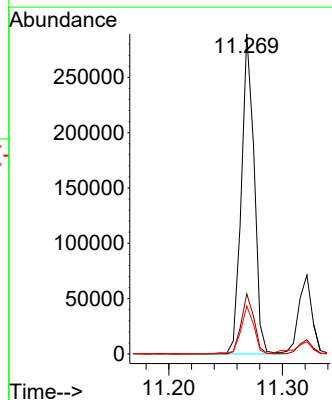
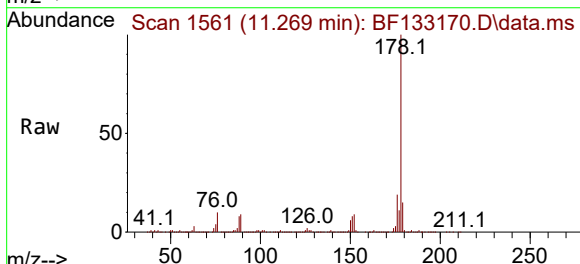
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A

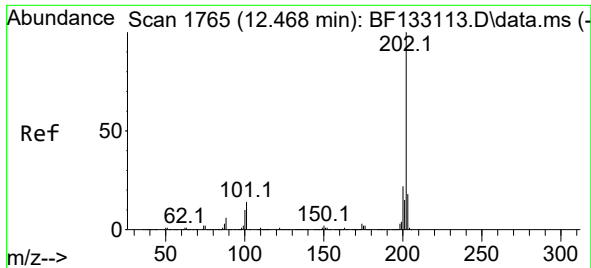
Tgt Ion:248 Resp: 21773
Ion Ratio Lower Upper
248 100
250 187.1 78.7 118.1#
141 464.7 56.3 84.5#



#71
Phenanthrene
Concen: 5.853 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:178 Resp: 225412
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.0 12.5 18.7

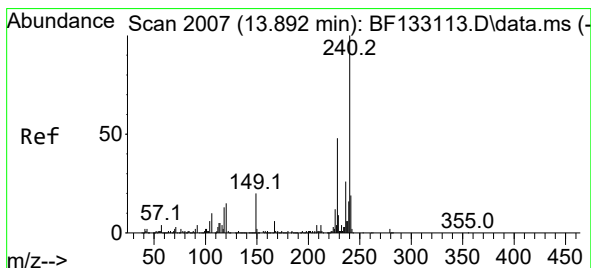
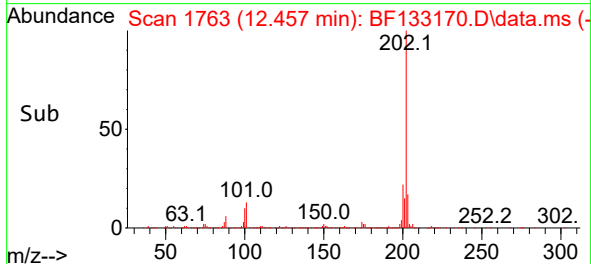
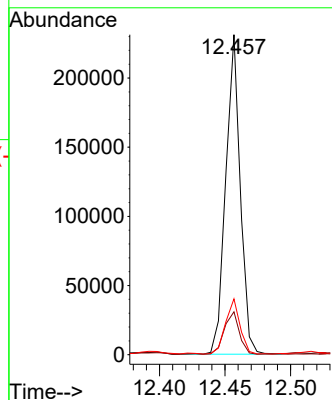
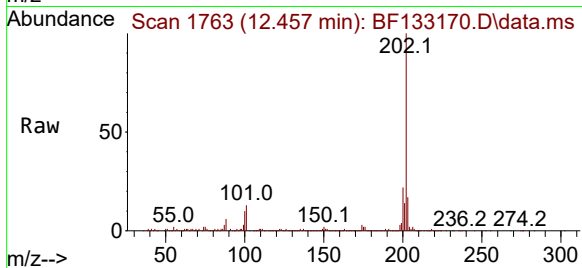




#75
Fluoranthene
Concen: 4.592 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

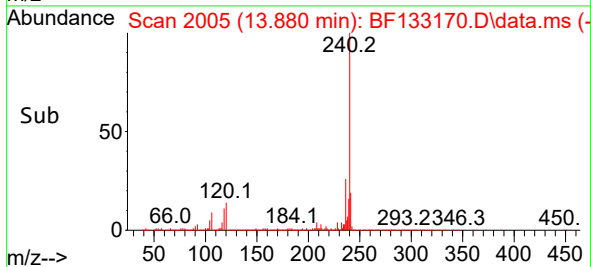
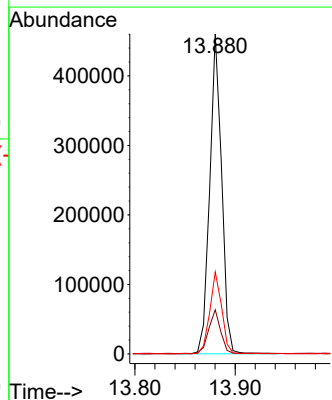
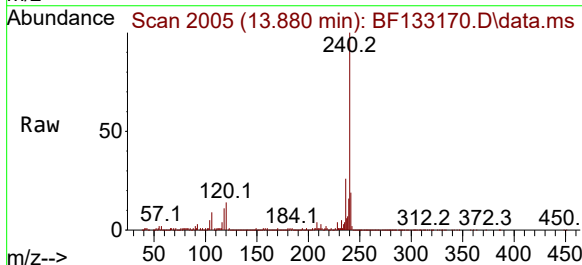
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A

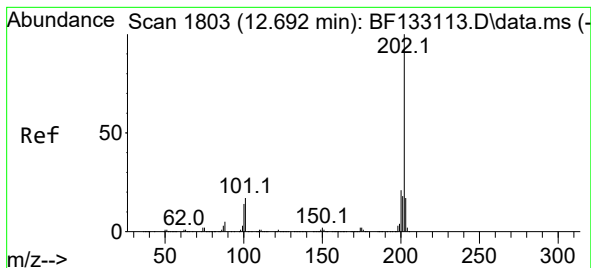
Tgt Ion:202 Resp: 177478
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:240 Resp: 380889
Ion Ratio Lower Upper
240 100
120 13.8 10.5 15.7
236 25.6 21.5 32.3





#78

Pyrene

Concen: 5.356 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Instrument :

BNA_F

ClientSampleId :

JC-03-042823-A

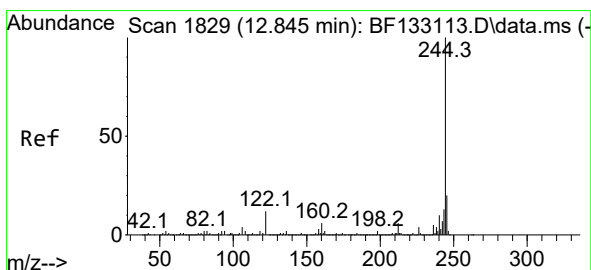
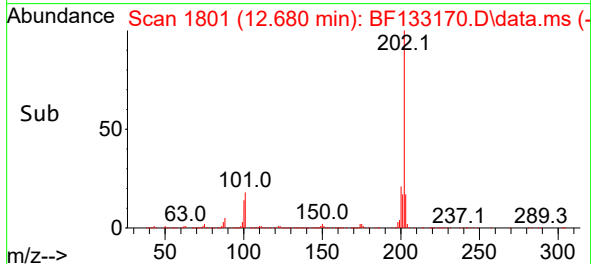
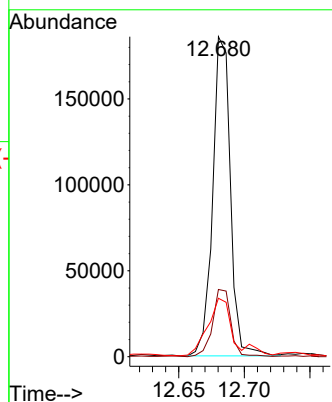
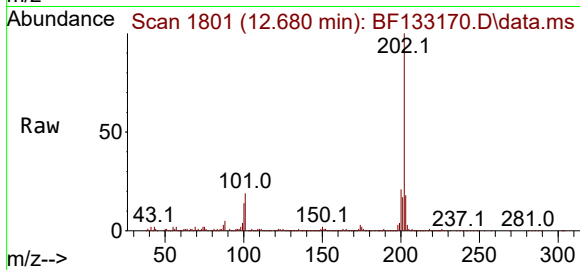
Tgt Ion:202 Resp: 174881

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 70.983 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

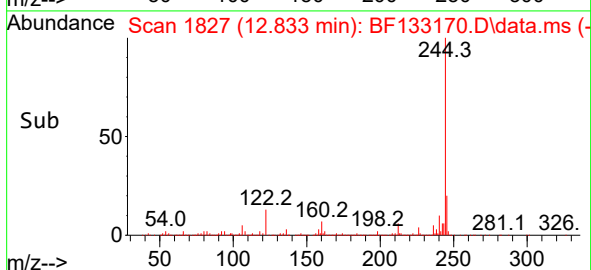
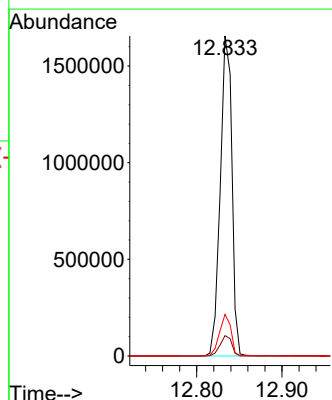
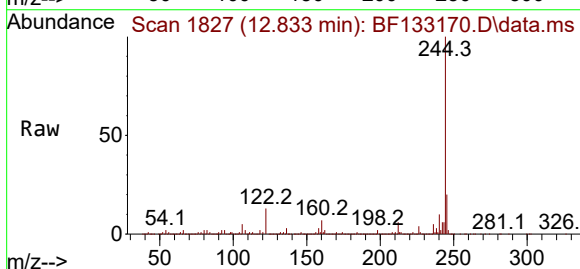
Tgt Ion:244 Resp: 1567636

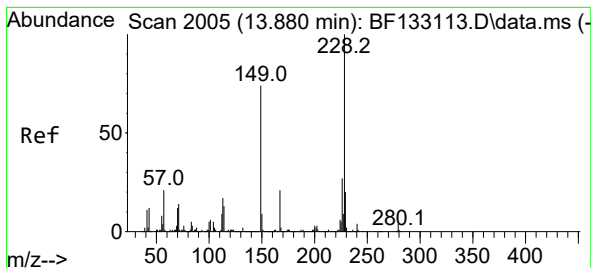
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 13.0 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 2.734 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Instrument :

BNA_F

ClientSampleId :

JC-03-042823-A

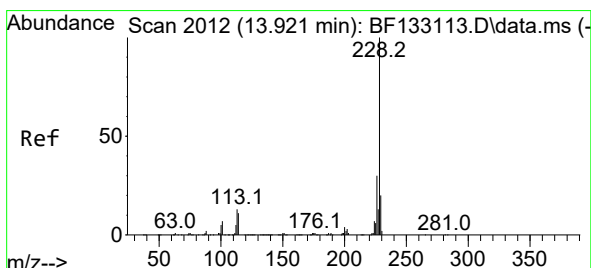
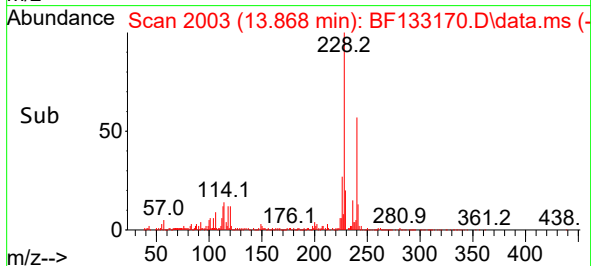
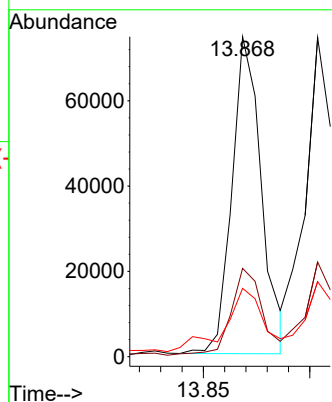
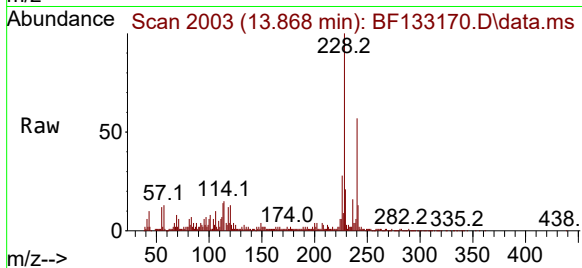
Tgt Ion:228 Resp: 71598

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

229 21.3 16.0 24.0



#83

Chrysene

Concen: 2.614 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

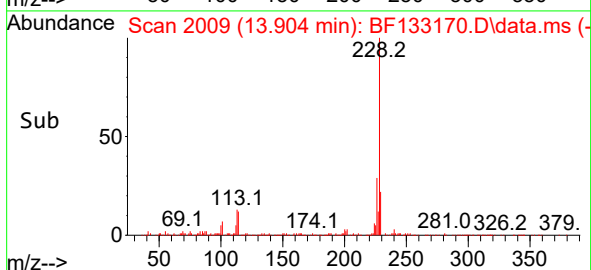
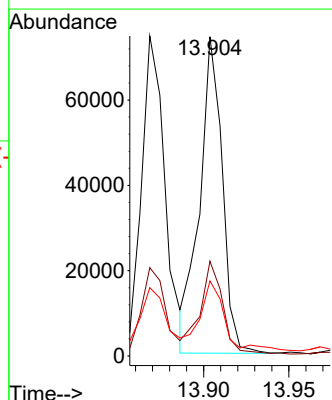
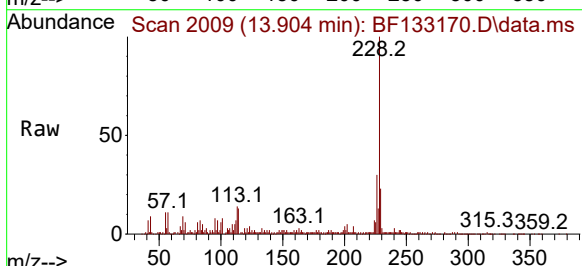
Tgt Ion:228 Resp: 68460

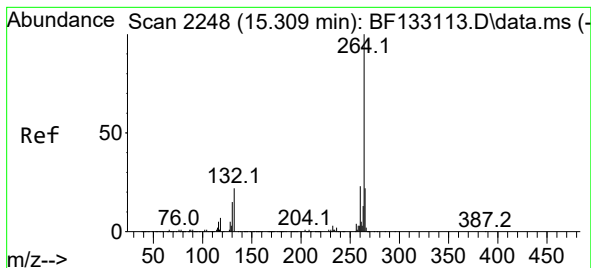
Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

229 23.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Instrument :

BNA_F

ClientSampleId :

JC-03-042823-A

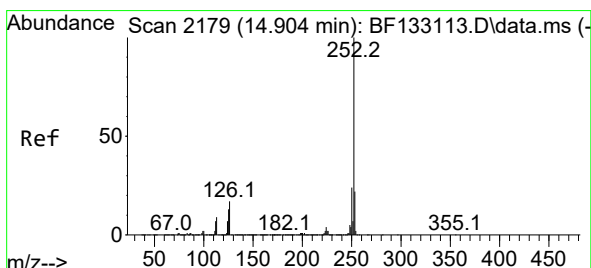
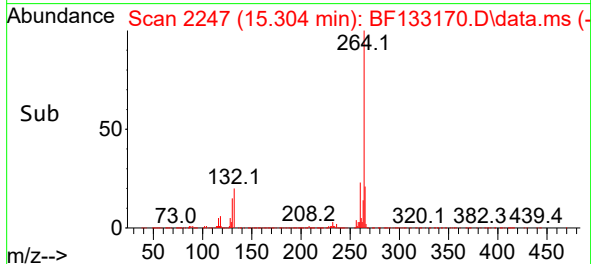
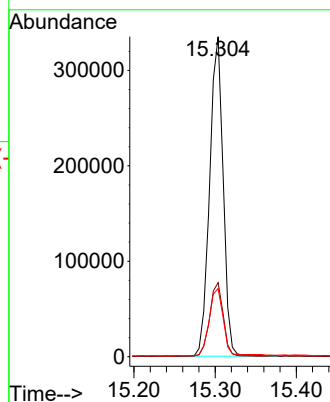
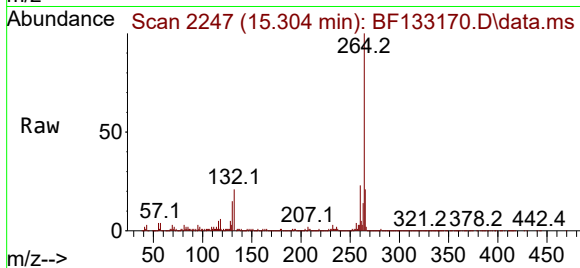
Tgt Ion:264 Resp: 385686

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 3.723 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

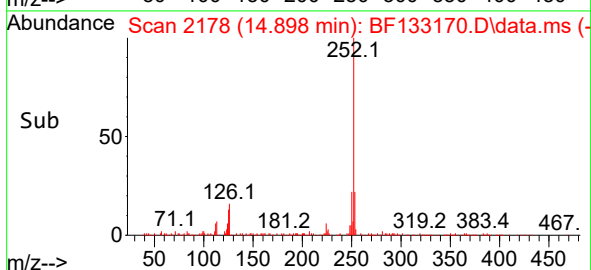
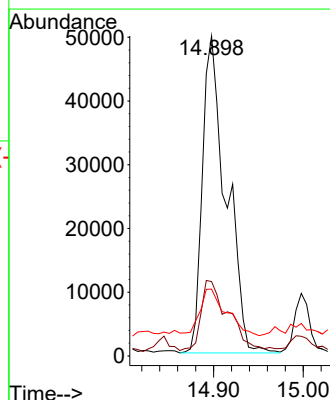
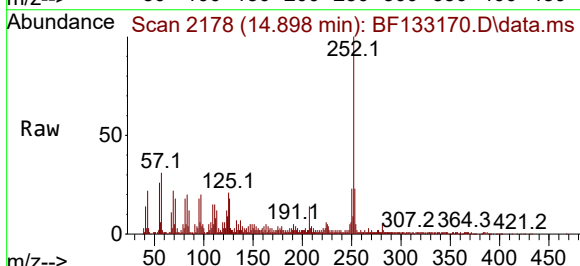
Tgt Ion:252 Resp: 91353

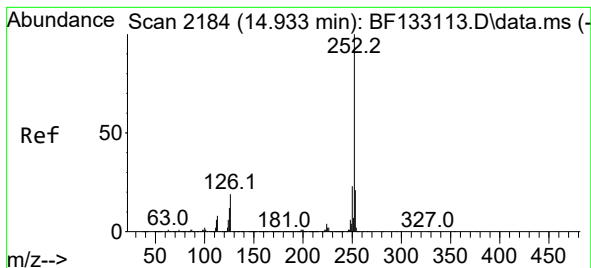
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 20.9 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 3.756 ng

RT: 14.898 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Instrument :

BNA_F

ClientSampleId :

JC-03-042823-A

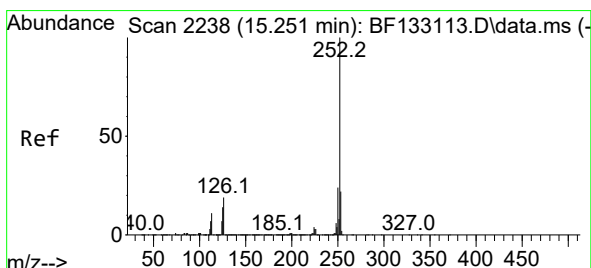
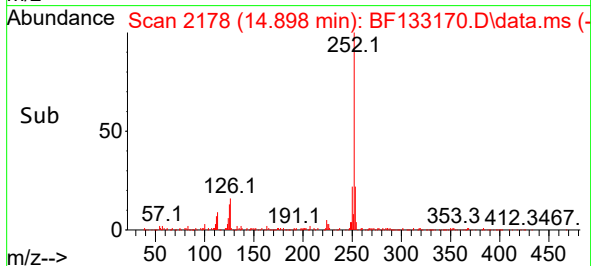
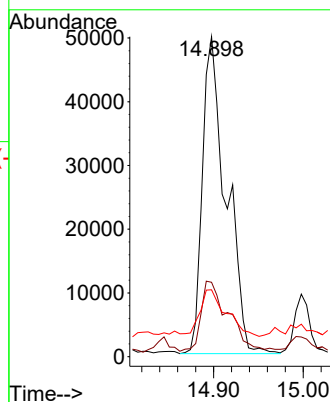
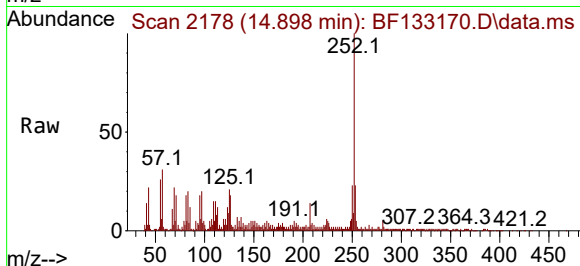
Tgt Ion:252 Resp: 91353

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 20.9 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 2.377 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Tgt Ion:252 Resp: 53085

Ion Ratio Lower Upper

252 100

253 21.2 17.7 26.5

125 17.5 10.5 15.7#

