

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133206.D
 Acq On : 03 May 2023 14:37
 Operator : CG\JU
 Sample : 02583-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-27

Quant Time: May 03 15:35:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 12:00:39 2023
 Response via : Initial Calibration

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

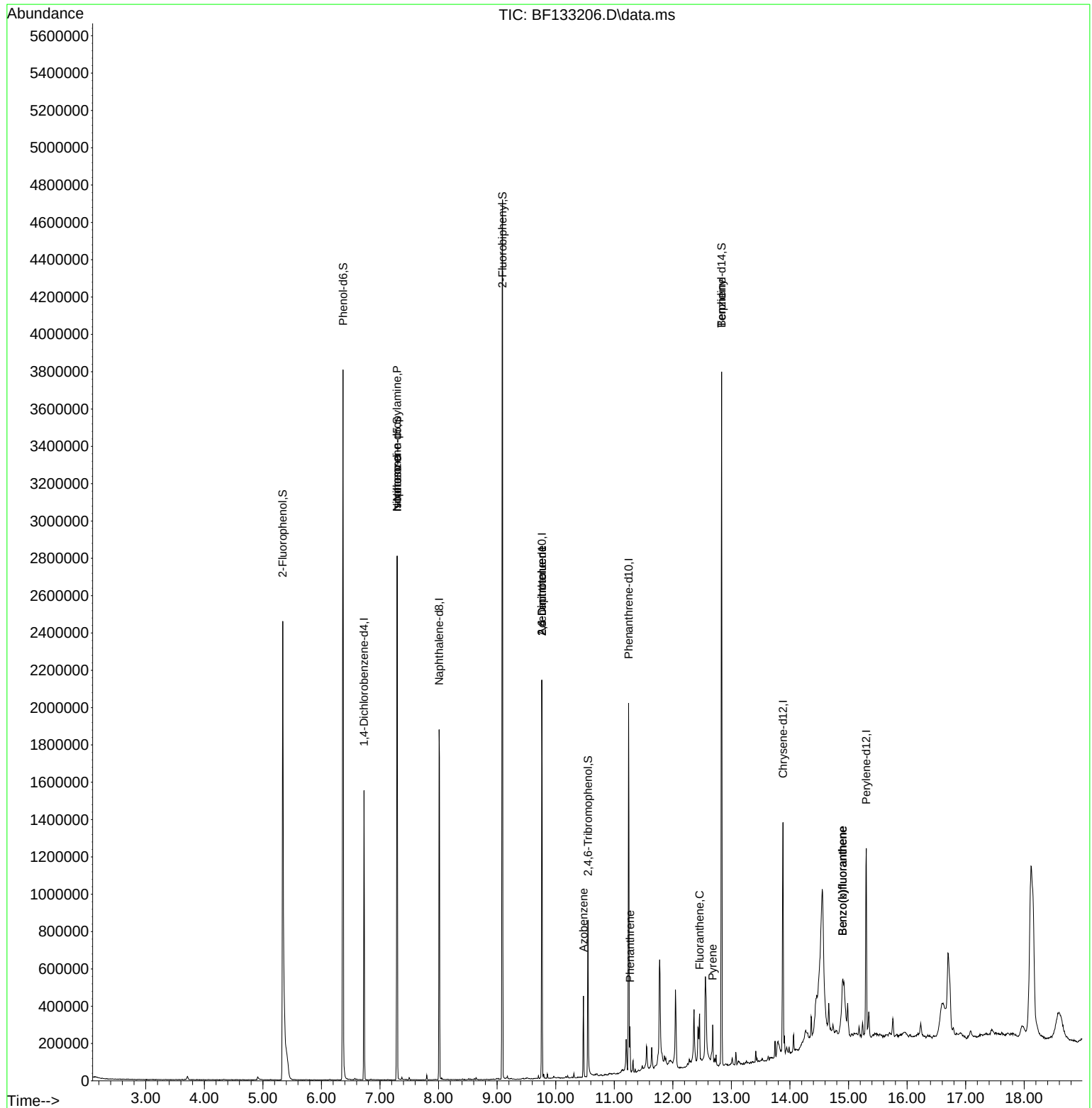
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	192239	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	785327	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	397755	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	659301	20.000	ng	0.00
76) Chrysene-d12	13.880	240	362280	20.000	ng	-0.01
86) Perylene-d12	15.304	264	430922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1117134	87.784	ng	0.00
7) Phenol-d6	6.369	99	1325511	83.917	ng	0.00
23) Nitrobenzene-d5	7.292	82	809018	55.605	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	95116	23.778	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1441546	60.633	ng	0.00
79) Terphenyl-d14	12.833	244	1214680	57.826	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.269	77	408	Below Cal	#	29
19) n-Nitroso-di-n-propyla...	7.292	70	107376	10.919	ng	# 79
25) Isophorone	7.292	82	809169	29.292	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	52489	8.409	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	52489	6.593	ng	# 23
63) Azobenzene	10.475	77	68383	2.464	ng	# 1
71) Phenanthrene	11.269	178	75345	2.126	ng	99
75) Fluoranthene	12.457	202	97447	2.740	ng	96
77) Benzidine	12.833	184	14568	2.378	ng	# 97
78) Pyrene	12.680	202	79768	2.569	ng	99
88) Benzo(b)fluoranthene	14.898	252	55921	2.040	ng	# 83
89) Benzo(k)fluoranthene	14.898	252	55921	2.058	ng	# 83

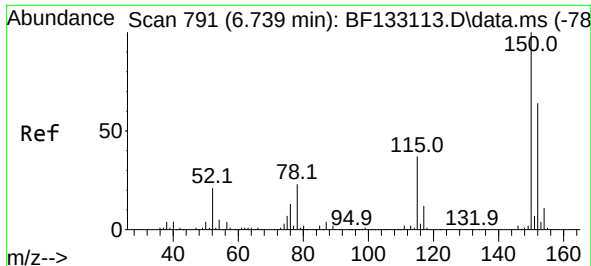
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 03 12:00:39 2023
Response via : Initial Calibration

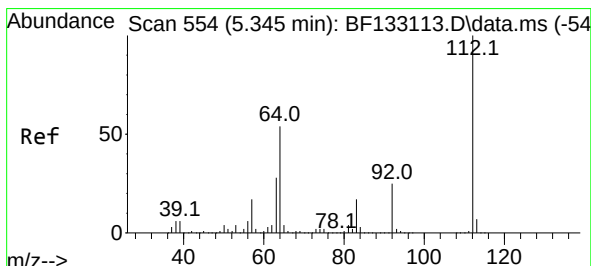
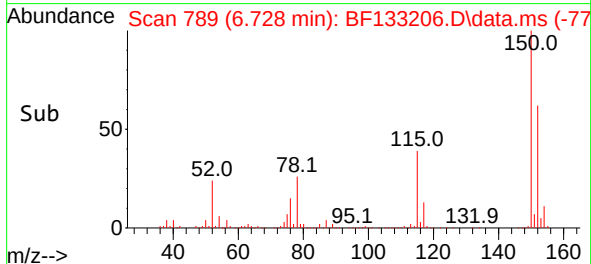
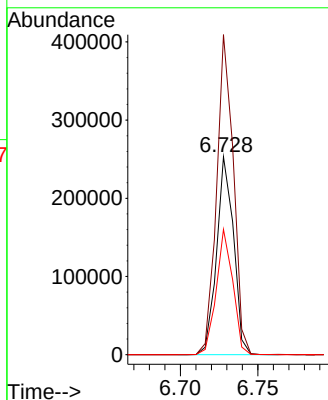
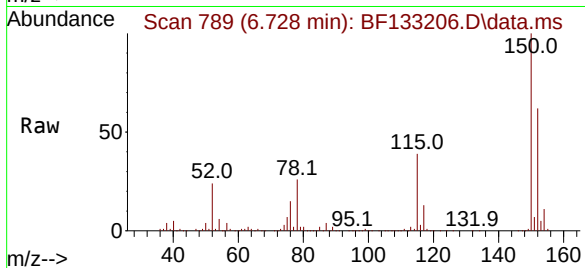




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133206.D
 Acq: 03 May 2023 14:37

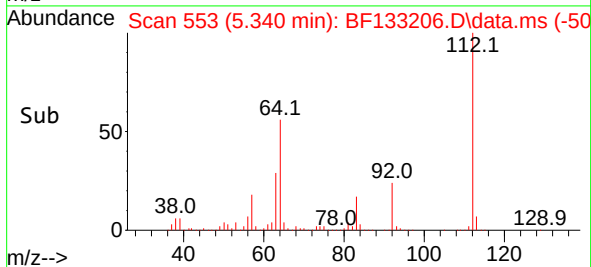
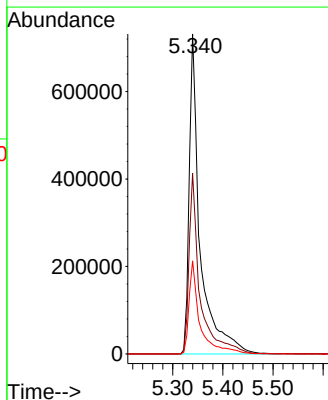
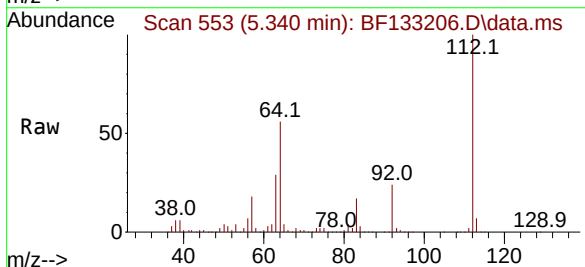
Instrument :
 BNA_F
 ClientSampleId :
 CF-27

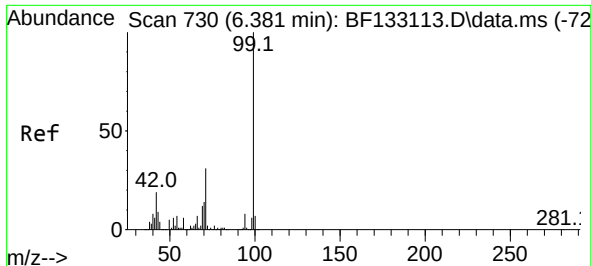
Tgt Ion:152 Resp: 192239
 Ion Ratio Lower Upper
 152 100
 150 161.7 124.8 187.2
 115 63.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 87.784 ng
 RT: 5.340 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: BF133206.D
 Acq: 03 May 2023 14:37

Tgt Ion:112 Resp: 1117134
 Ion Ratio Lower Upper
 112 100
 64 56.4 46.8 70.2
 63 29.1 23.8 35.8

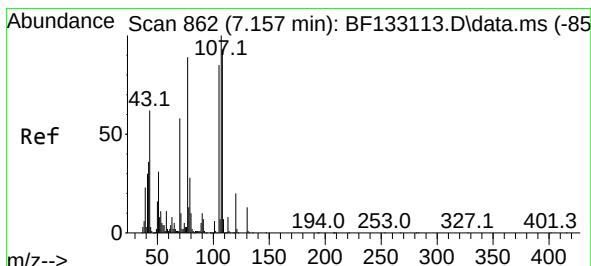
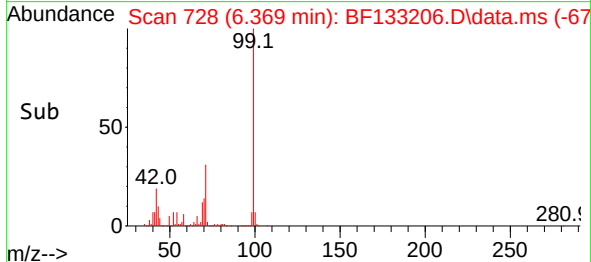
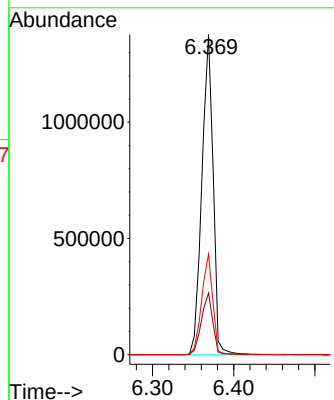
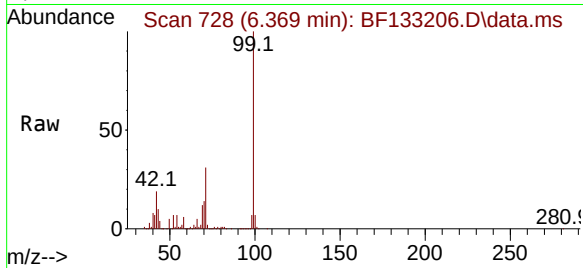




#7
Phenol-d6
Concen: 83.917 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

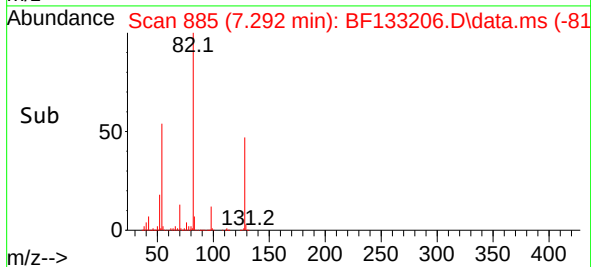
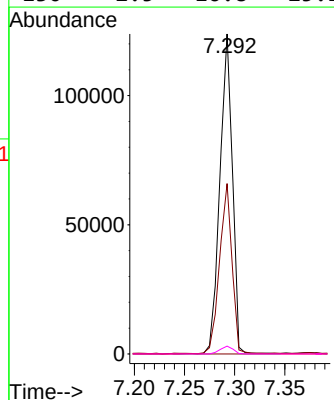
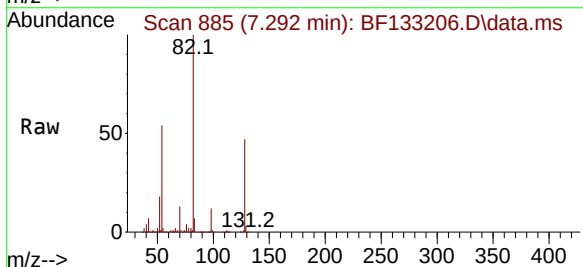
Instrument :
BNA_F
ClientSampleId :
CF-27

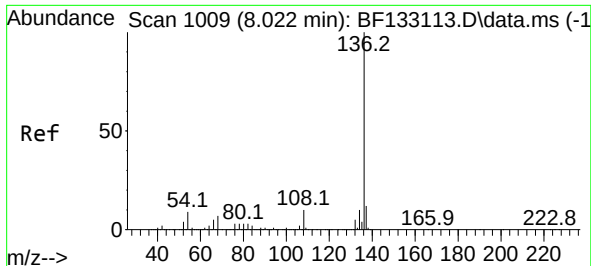
Tgt Ion: 99 Resp: 1325511
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.919 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion: 70 Resp: 107376
Ion Ratio Lower Upper
70 100
42 53.2 51.8 77.6
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#



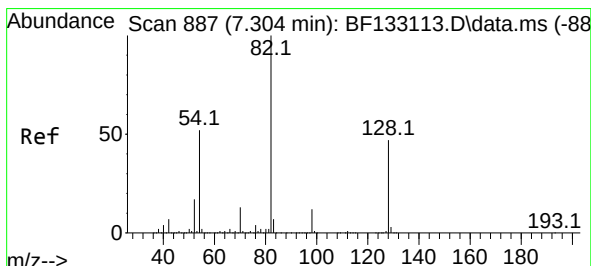
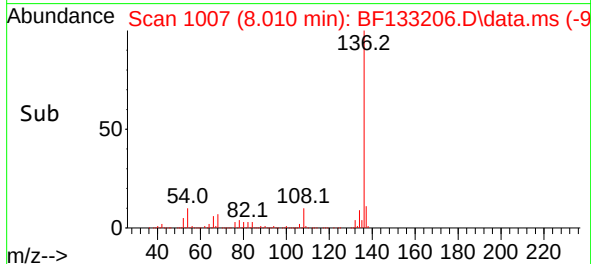
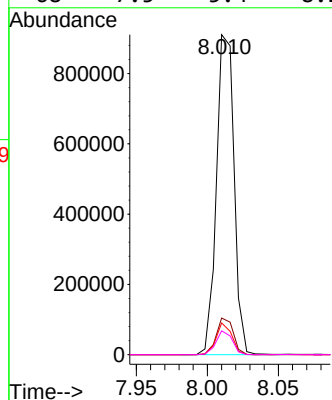
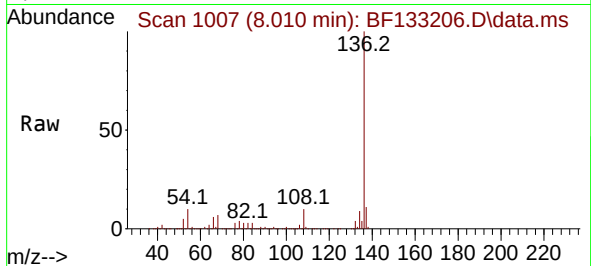


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Instrument :
BNA_F
ClientSampleId :
CF-27

Tgt Ion:136 Resp: 785327

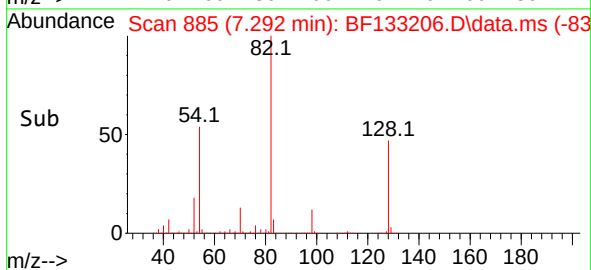
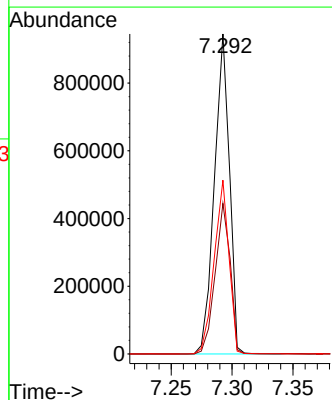
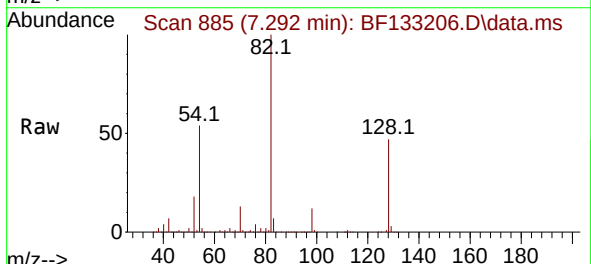
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	9.9	7.0	10.4
68	7.5	5.4	8.2

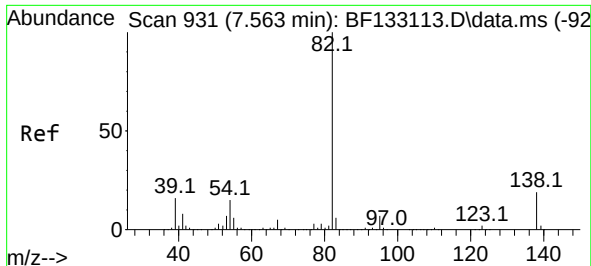


#23
Nitrobenzene-d5
Concen: 55.605 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion: 82 Resp: 809018

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	54.3	43.0	64.4

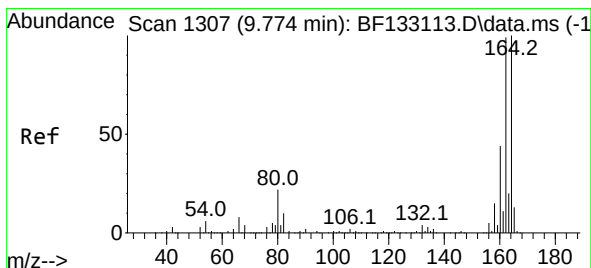
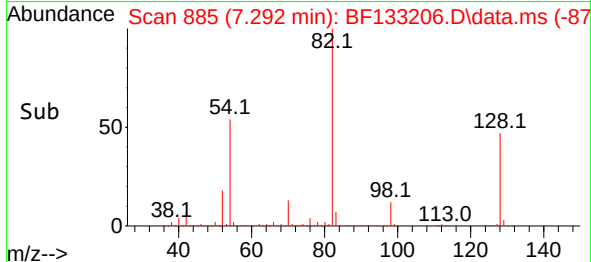
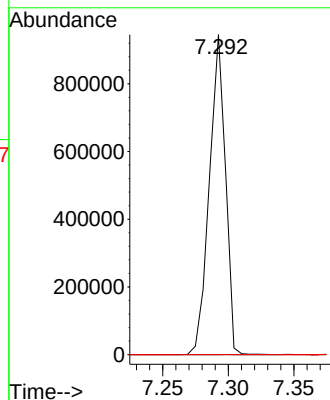
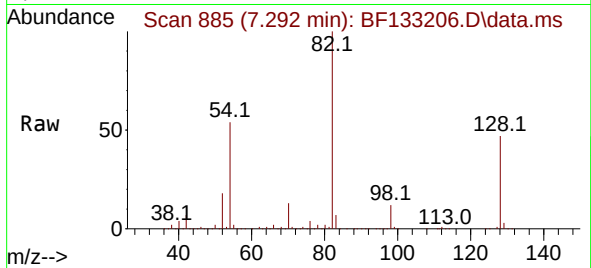




#25
Isophorone
Concen: 29.292 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

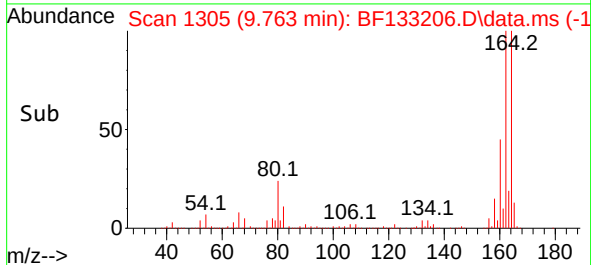
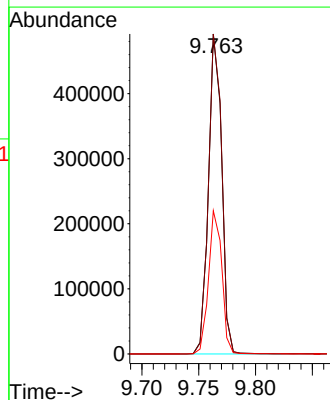
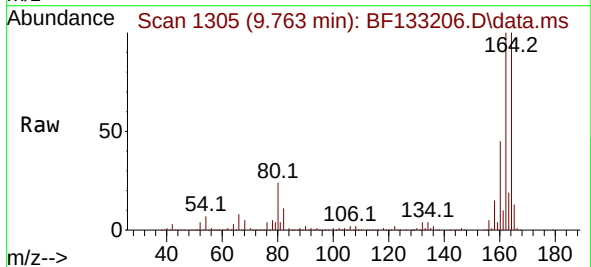
Instrument :
BNA_F
ClientSampleId :
CF-27

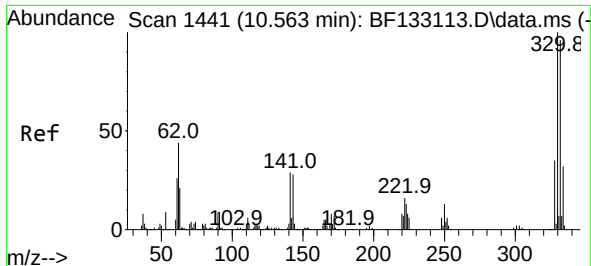
Tgt Ion: 82 Resp: 809169
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion:164 Resp: 397755
Ion Ratio Lower Upper
164 100
162 100.0 78.7 118.1
160 44.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 23.778 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

Instrument :

BNA_F

ClientSampleId :

CF-27

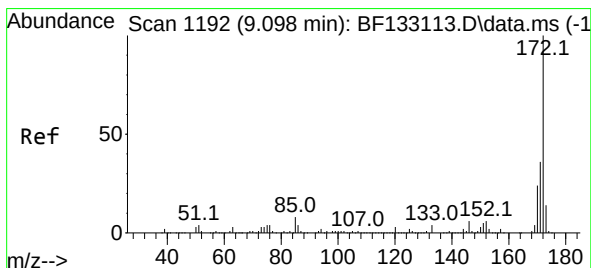
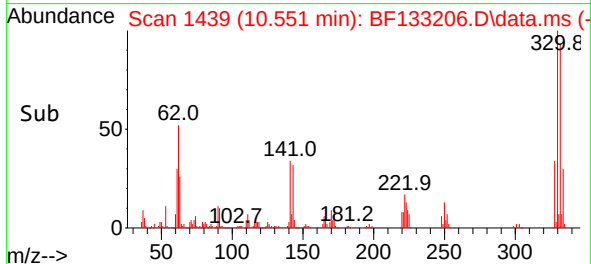
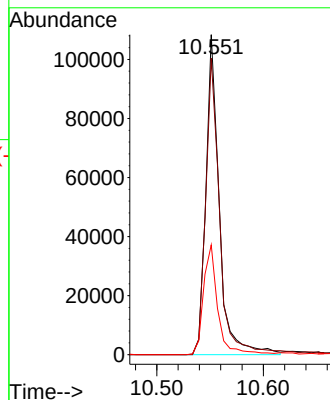
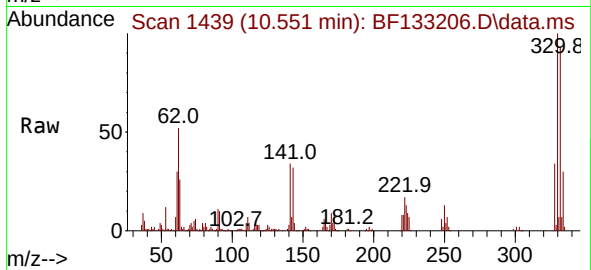
Tgt Ion:330 Resp: 95116

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 36.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 60.633 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

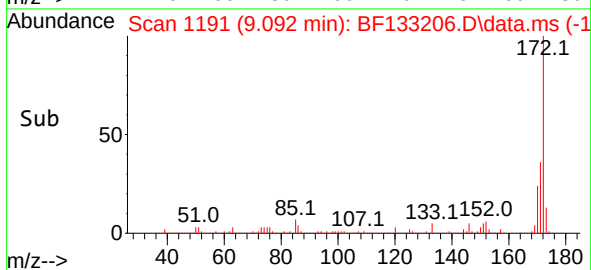
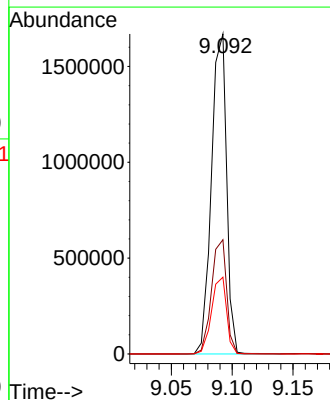
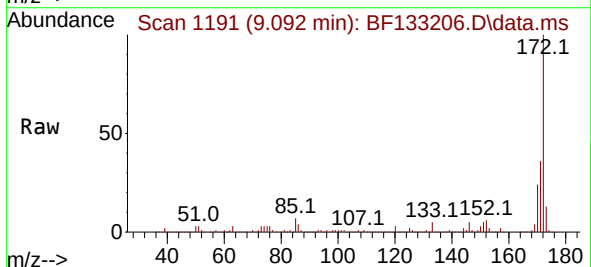
Tgt Ion:172 Resp: 1441546

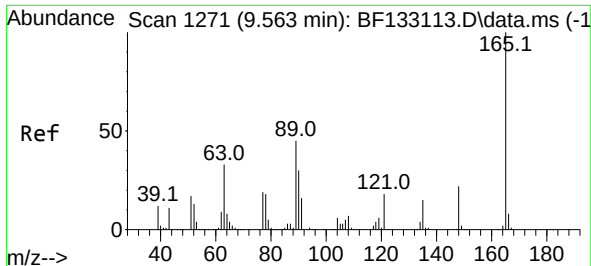
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 24.0 19.4 29.2

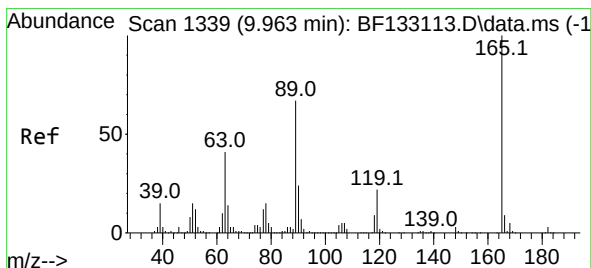
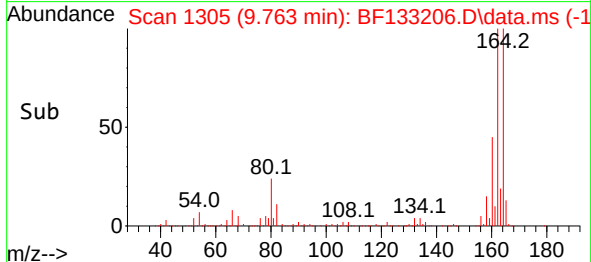
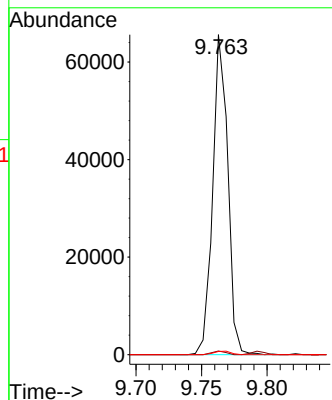
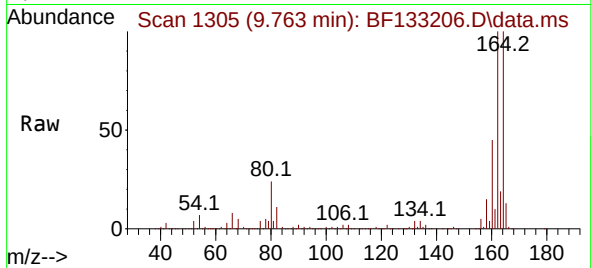




#51
2,6-Dinitrotoluene
Concen: 8.409 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

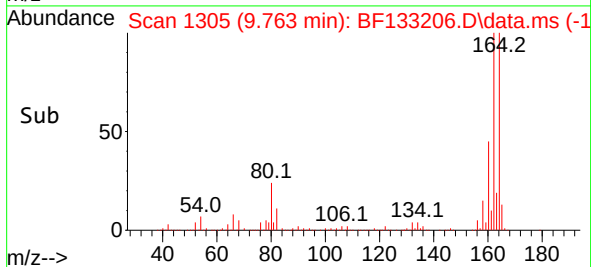
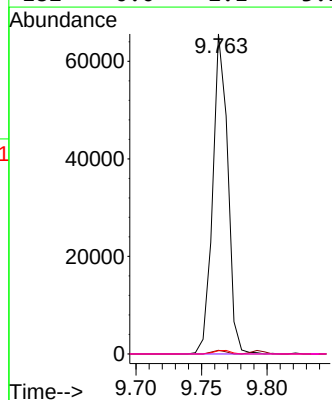
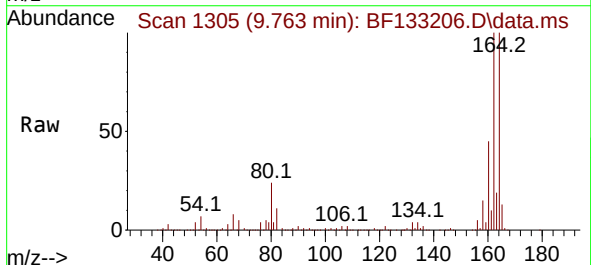
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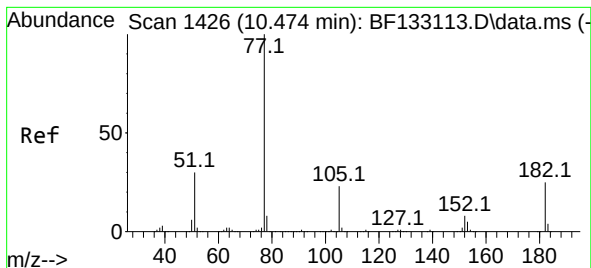
Tgt Ion:165 Resp: 52489
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.0 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.593 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.194 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion:165 Resp: 52489
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.464 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

Instrument :

BNA_F

ClientSampleId :

CF-27

Tgt Ion: 77 Resp: 68383

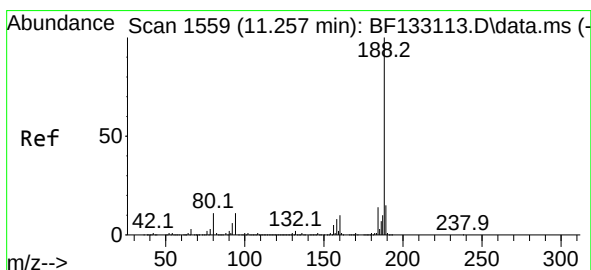
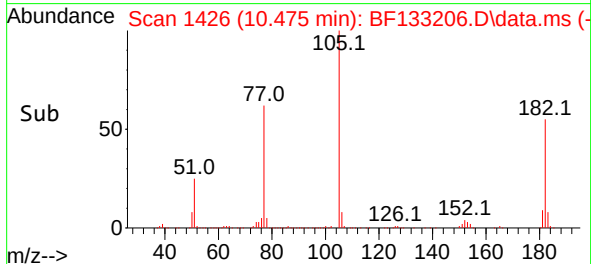
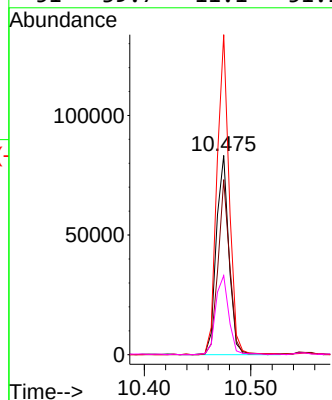
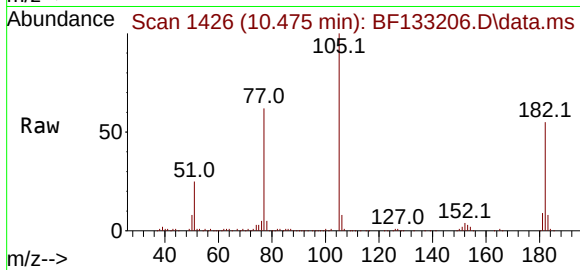
Ion Ratio Lower Upper

77 100

182 87.8 5.9 45.9#

105 160.6 2.3 42.3#

51 39.7 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: BF133206.D

Acq: 03 May 2023 14:37

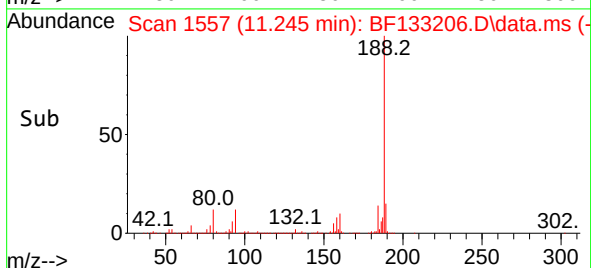
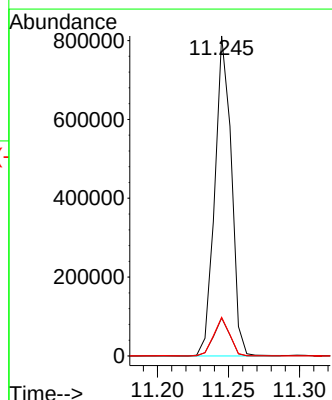
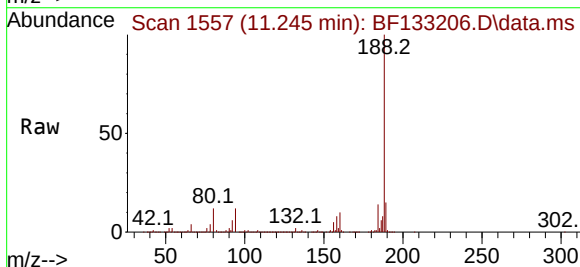
Tgt Ion:188 Resp: 659301

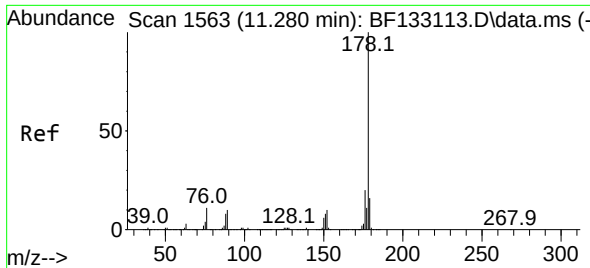
Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 12.1 10.4 15.6

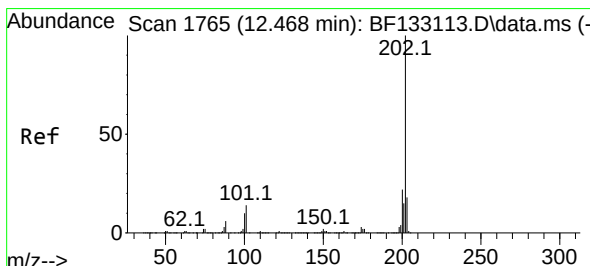
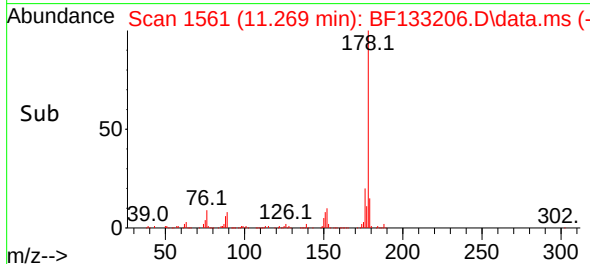
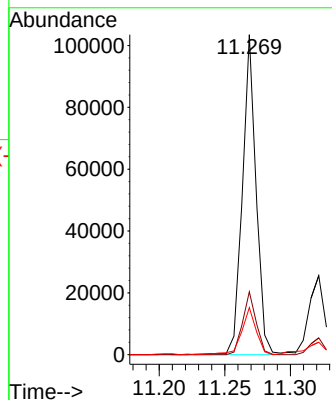
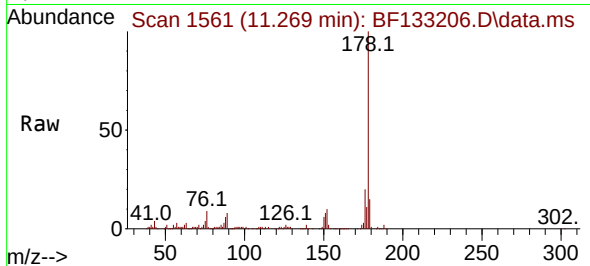




#71
Phenanthrene
Concen: 2.126 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

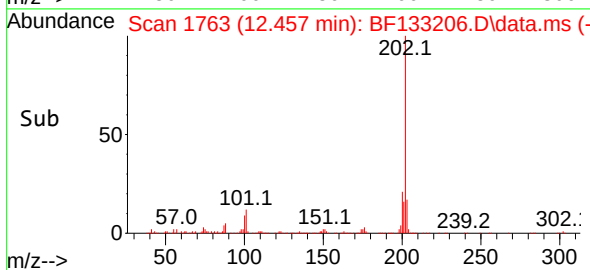
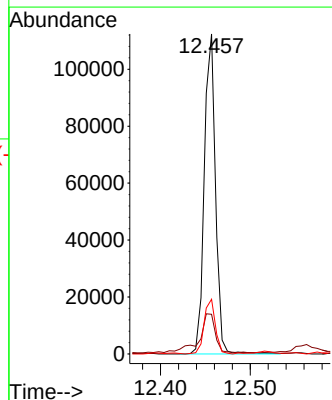
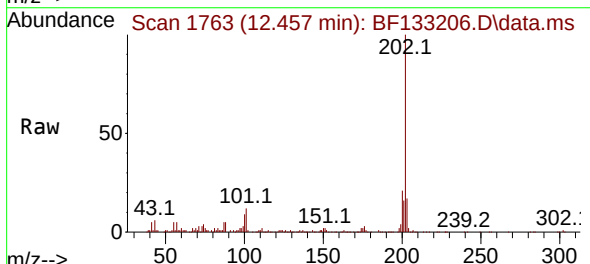
Instrument :
BNA_F
ClientSampleId :
CF-27

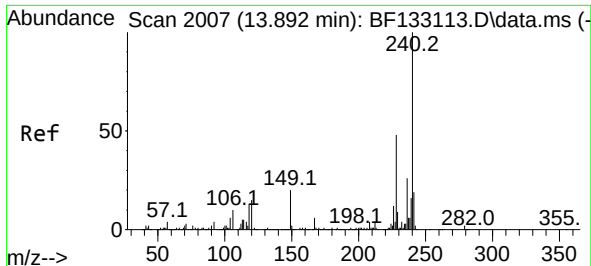
Tgt Ion:178 Resp: 75345
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 14.7 12.5 18.7



#75
Fluoranthene
Concen: 2.740 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion:202 Resp: 97447
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.3
203 17.1 0.0 38.1

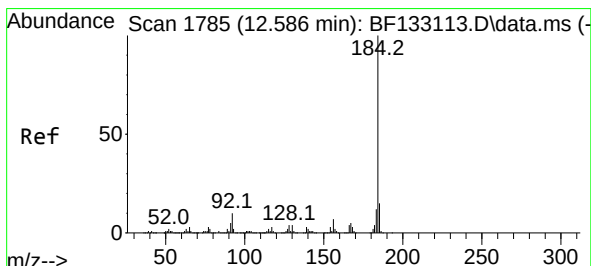
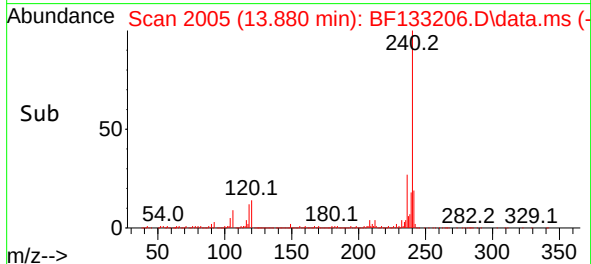
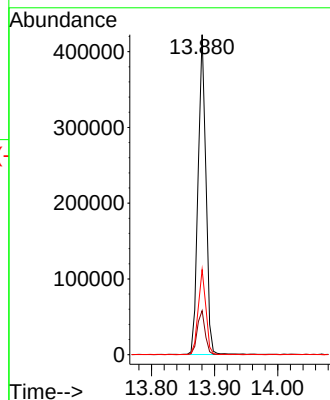
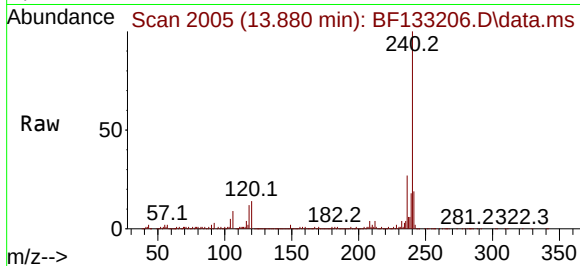




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

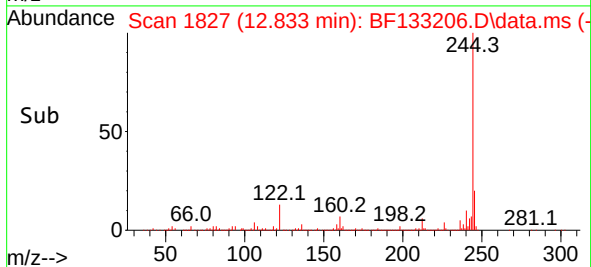
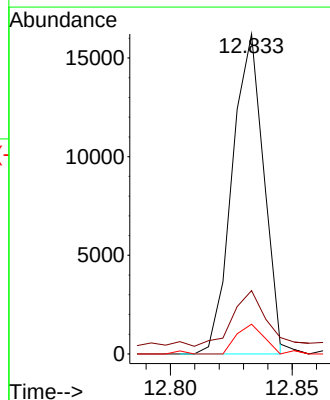
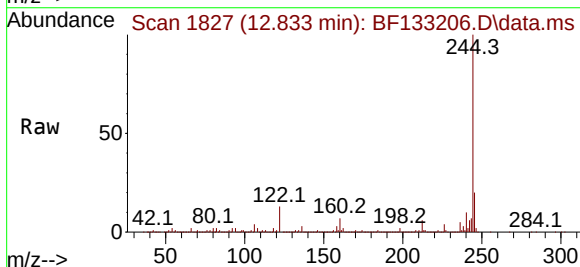
Instrument :
BNA_F
ClientSampleId :
CF-27

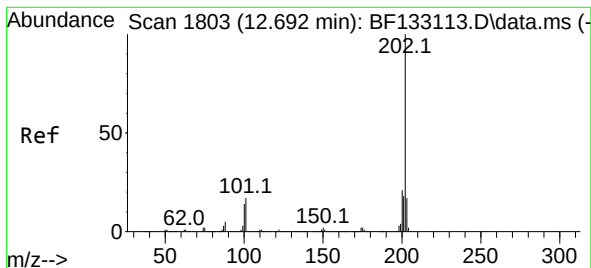
Tgt Ion:240 Resp: 362280
Ion Ratio Lower Upper
240 100
120 13.7 10.5 15.7
236 26.6 21.5 32.3



#77
Benzidine
Concen: 2.378 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.253 min
Lab File: BF133206.D
Acq: 03 May 2023 14:37

Tgt Ion:184 Resp: 14568
Ion Ratio Lower Upper
184 100
185 19.8 15.4 23.2
183 9.3 9.4 14.0#





#78

Pyrene

Concen: 2.569 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

Instrument :

BNA_F

ClientSampleId :

CF-27

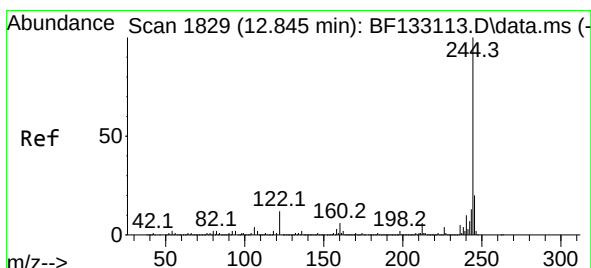
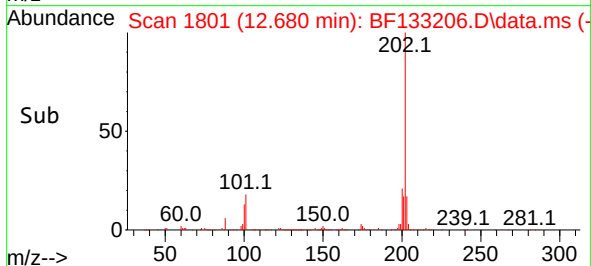
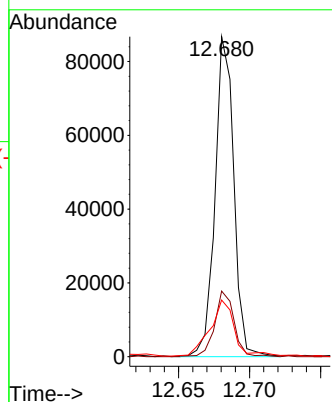
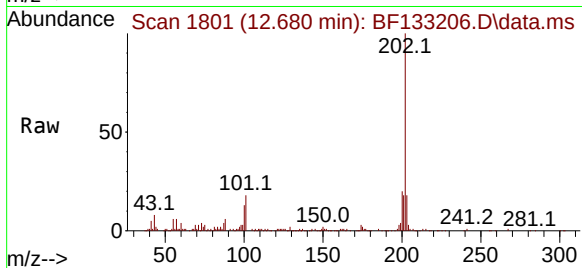
Tgt Ion:202 Resp: 79768

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 57.826 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

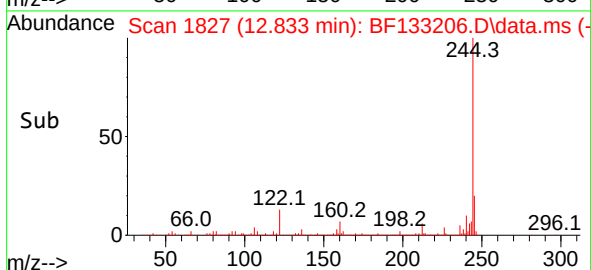
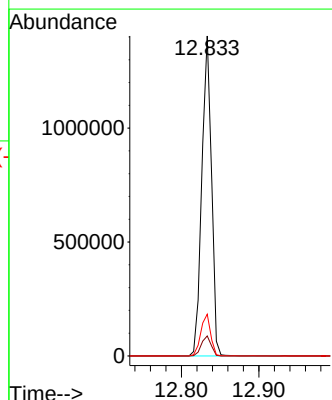
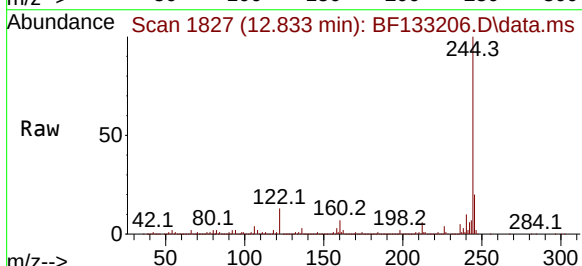
Tgt Ion:244 Resp: 1214680

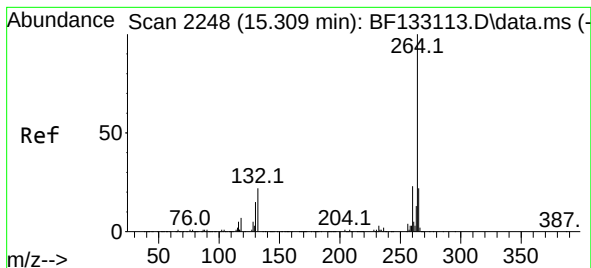
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 13.1 8.6 13.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

Instrument :

BNA_F

ClientSampleId :

CF-27

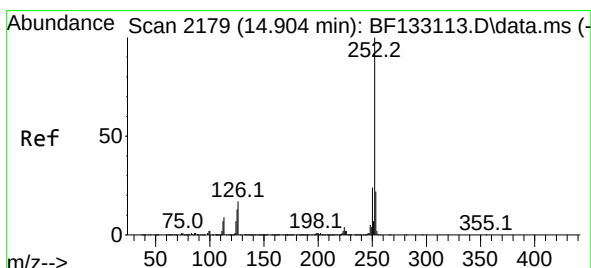
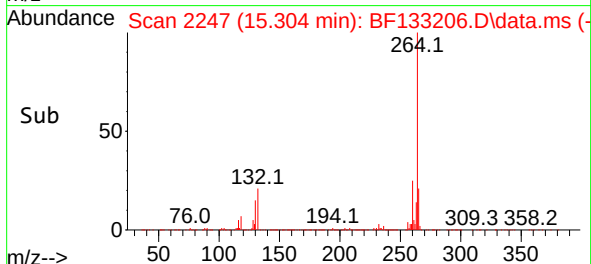
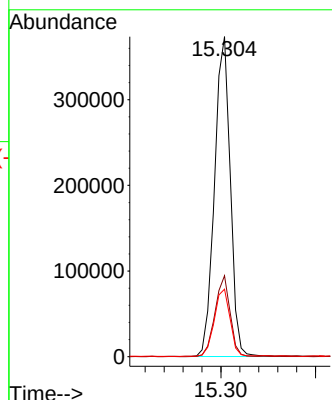
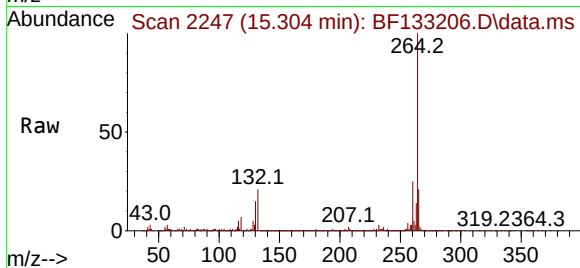
Tgt Ion:264 Resp: 430922

Ion Ratio Lower Upper

264 100

260 25.3 18.8 28.2

265 21.1 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.040 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133206.D

Acq: 03 May 2023 14:37

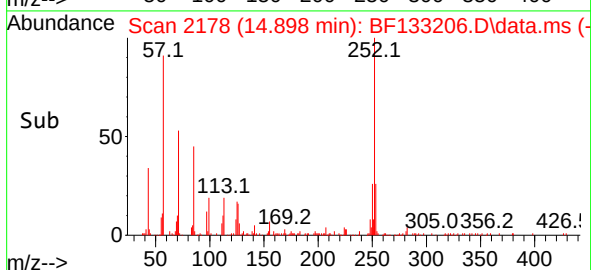
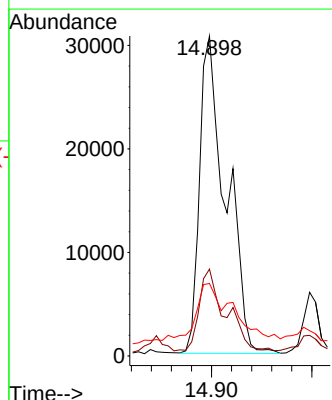
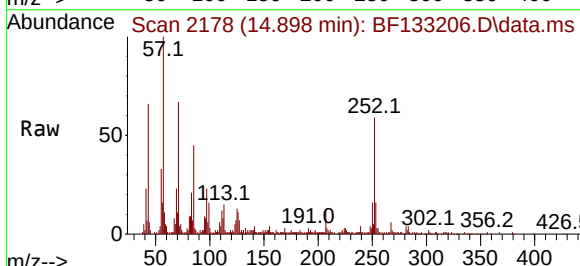
Tgt Ion:252 Resp: 55921

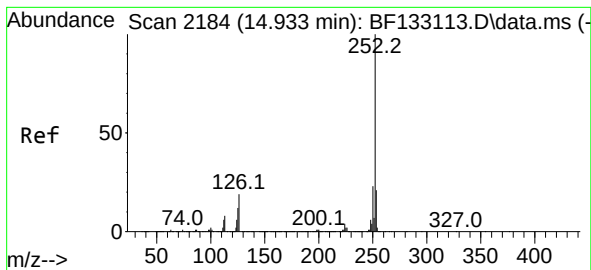
Ion Ratio Lower Upper

252 100

253 27.2 17.6 26.4#

125 22.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.058 ng

RT: 14.898 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF133206.D

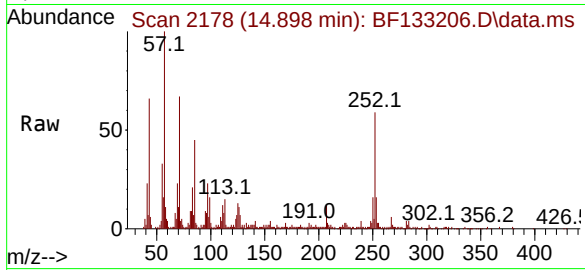
Acq: 03 May 2023 14:37

Instrument :

BNA_F

ClientSampleId :

CF-27



Tgt Ion:252 Resp: 55921

Ion Ratio Lower Upper

252 100

253 27.2 17.7 26.5#

125 22.6 9.0 13.4#

