

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133111.D
 Acq On : 27 Apr 2023 20:57
 Operator : CG\JU
 Sample : 02423-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPD-1WC-23-04-18

Quant Time: Apr 28 02:13:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

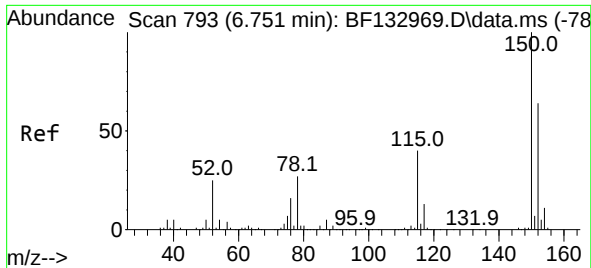
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	184824	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	708744	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	318936	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	465529	20.000	ng	0.00
76) Chrysene-d12	13.886	240	315880	20.000	ng	-0.01
86) Perylene-d12	15.310	264	246781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	930801	76.077	ng	0.00
7) Phenol-d6	6.375	99	1125980	74.145	ng	0.00
23) Nitrobenzene-d5	7.298	82	634617	48.331	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	162810	50.759	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1173573	61.561	ng	0.00
79) Terphenyl-d14	12.839	244	993222	54.229	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.281	77	1266	Below Cal	#	51
19) n-Nitroso-di-n-propyla...	7.298	70	84457	8.933	ng	# 74
25) Isophorone	7.298	82	632380	25.366	ng	# 63
50) Dimethylphthalate	9.769	163	63404	2.851	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	40955	8.182	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	40955	6.416	ng	# 24
63) Azobenzene	10.480	77	59453	2.672	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	10655	2.110	ng	# 1
71) Phenanthrene	11.275	178	178638	7.140	ng	98
75) Fluoranthene	12.463	202	425713	16.953	ng	96
78) Pyrene	12.686	202	402506	14.865	ng	100
81) Benzo(a)anthracene	13.874	228	194918	8.973	ng	97
83) Chrysene	13.910	228	189976	8.748	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	72964	5.198	ng	# 92
88) Benzo(b)fluoranthene	14.904	252	255405	16.268	ng	# 90
89) Benzo(k)fluoranthene	14.904	252	255405	16.411	ng	# 90
90) Benzo(a)pyrene	15.251	252	116170	8.129	ng	# 90
92) Benzo(g,h,i)perylene	17.104	276	70903	6.134	ng	99

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

Quant Time: Apr 28 02:13:07 2023
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QLast Update : Fri Apr 28 02:00:53 2023
Response via : Initial Calibration

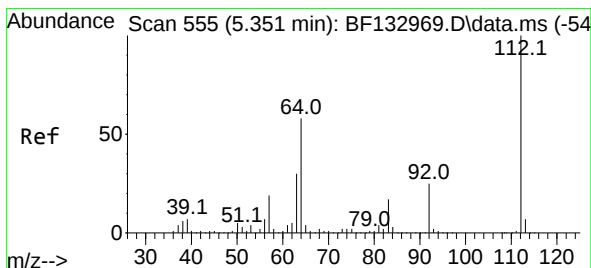
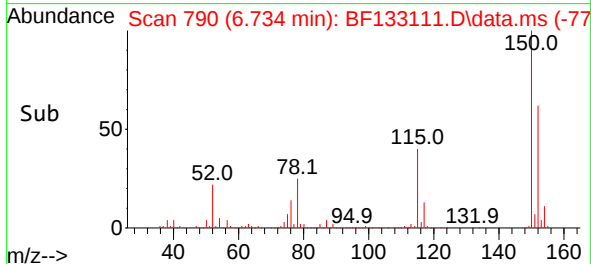
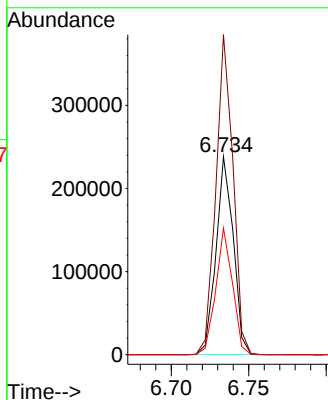
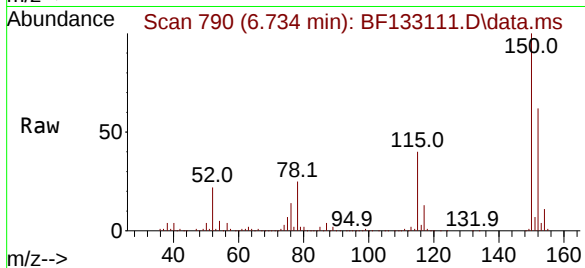




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

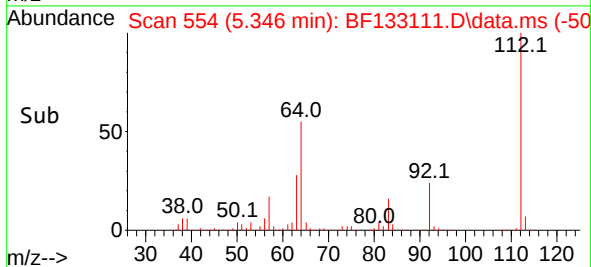
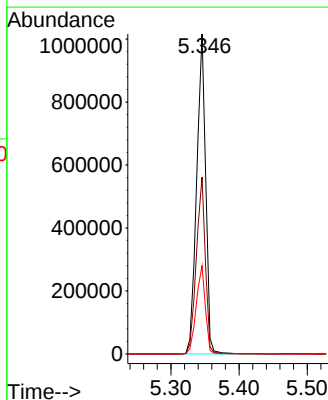
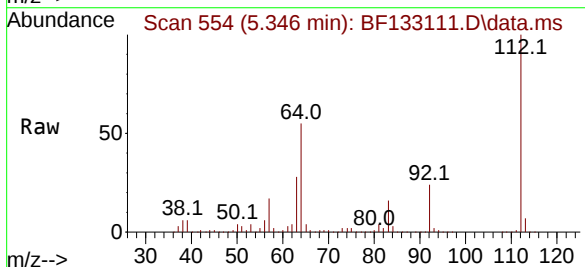
Instrument :
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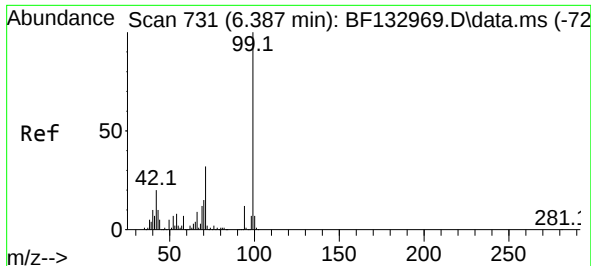
Tgt Ion:152 Resp: 184824
Ion Ratio Lower Upper
152 100
150 161.6 124.8 187.2
115 63.9 49.9 74.9



#5
2-Fluorophenol
Concen: 76.077 ng
RT: 5.346 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:112 Resp: 930801
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 27.5 23.8 35.8

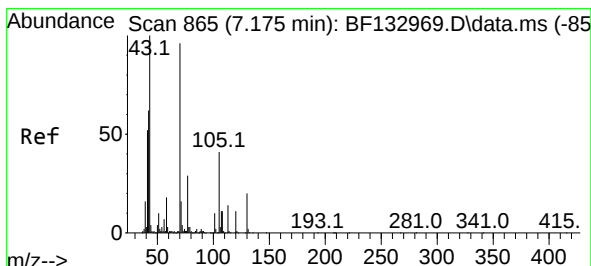
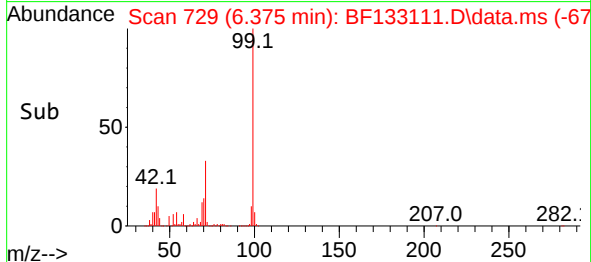
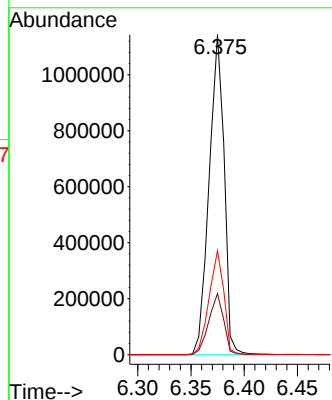
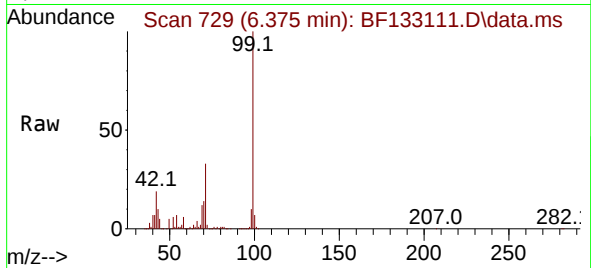




#7
Phenol-d6
Concen: 74.145 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

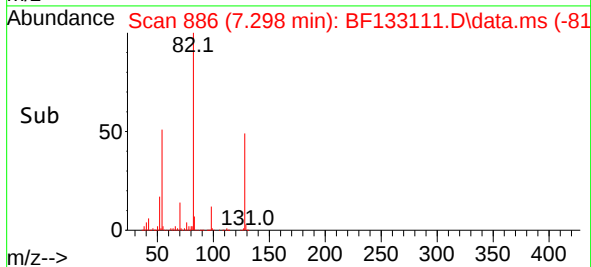
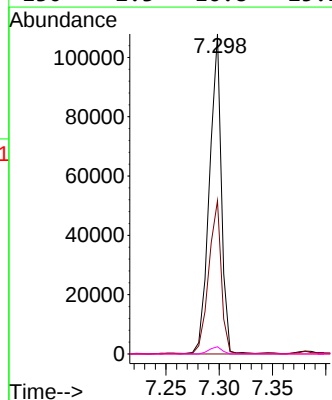
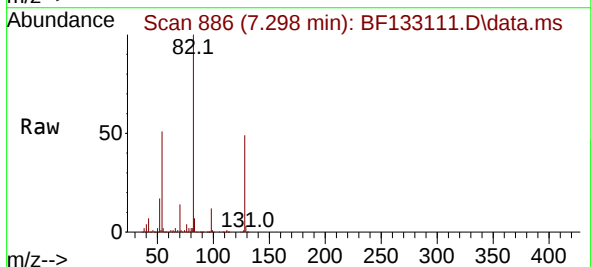
Instrument :
BNA_F
ClientSampleId :
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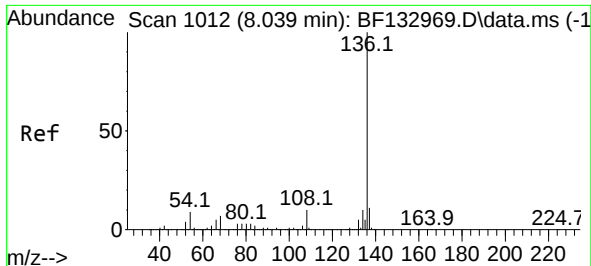
Tgt Ion: 99 Resp: 1125980
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.933 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion: 70 Resp: 84457
Ion Ratio Lower Upper
70 100
42 47.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#



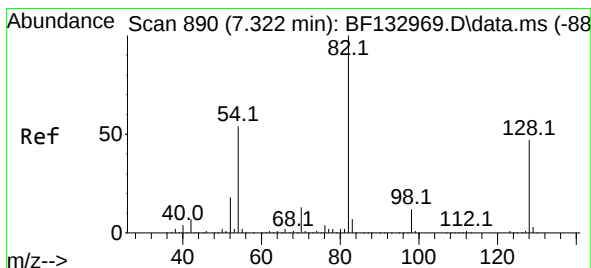
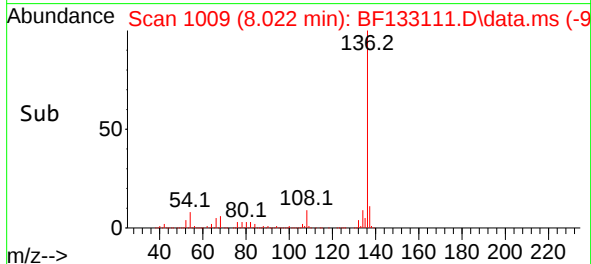
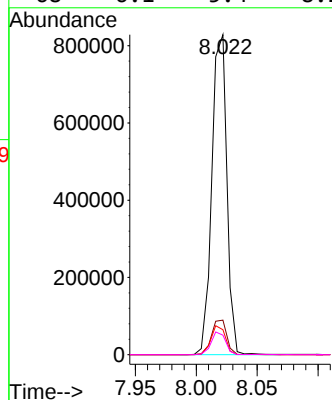
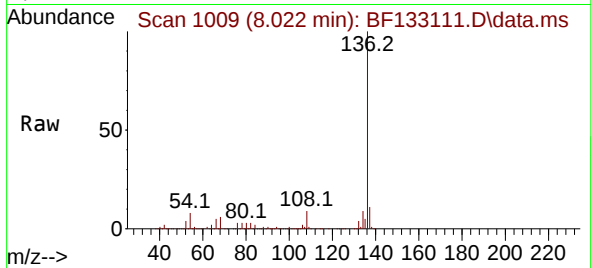


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

Tgt Ion:136 Resp: 708744

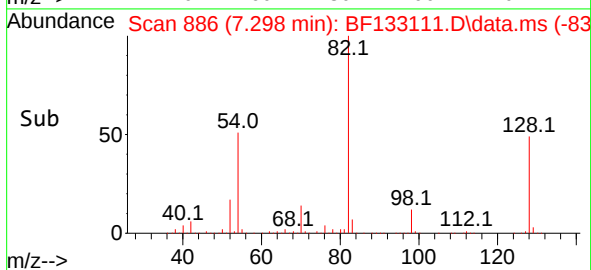
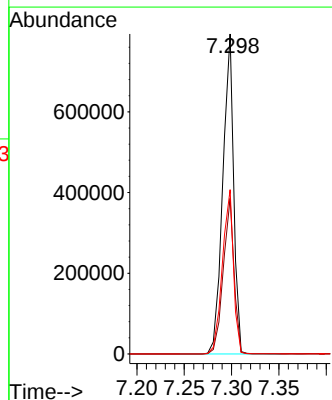
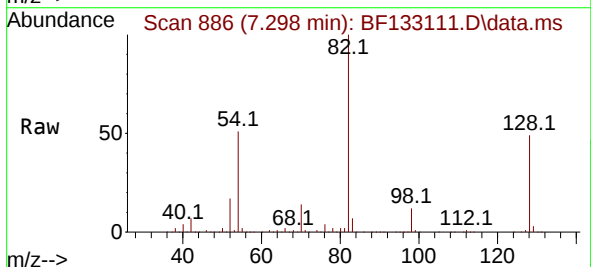
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.8	7.0	10.4
68	6.1	5.4	8.2

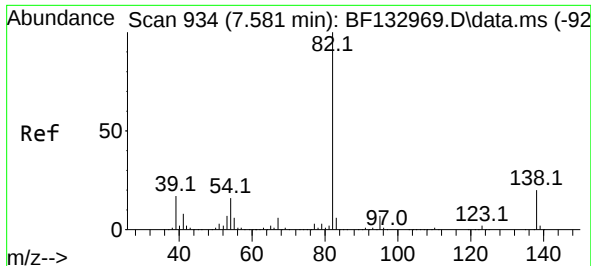


#23
Nitrobenzene-d5
Concen: 48.331 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion: 82 Resp: 634617

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.7	56.5
54	51.4	43.0	64.4

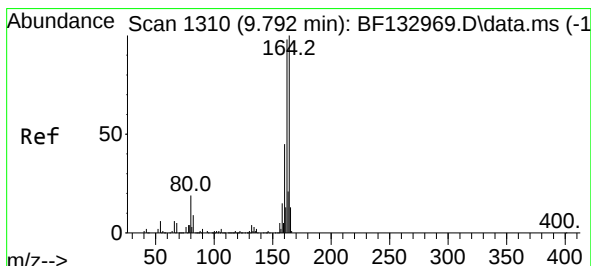
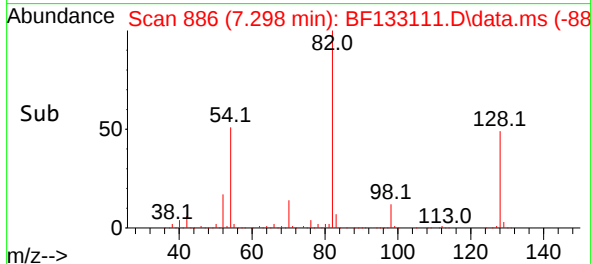
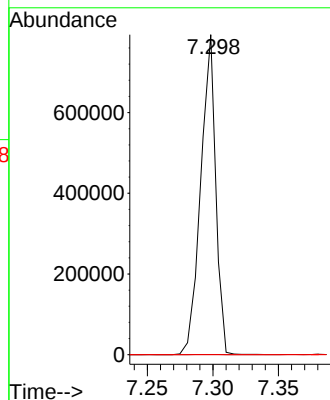
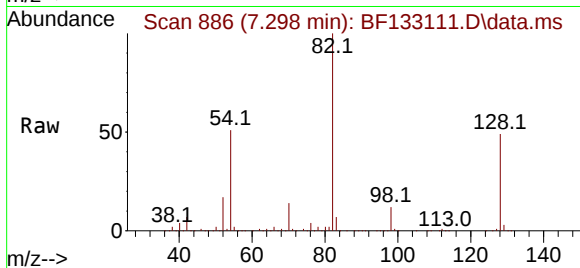




#25
Isophorone
Concen: 25.366 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

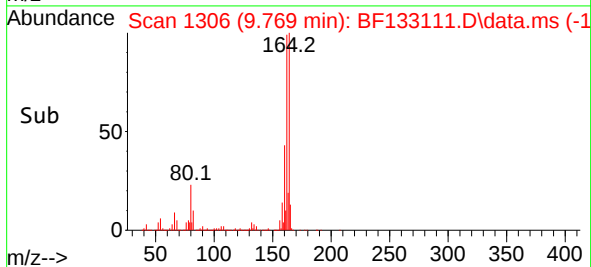
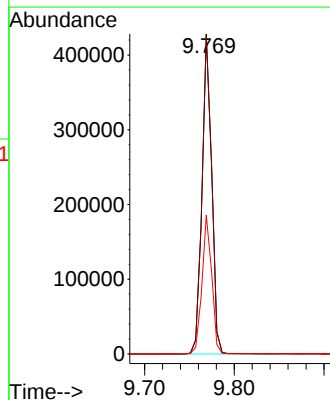
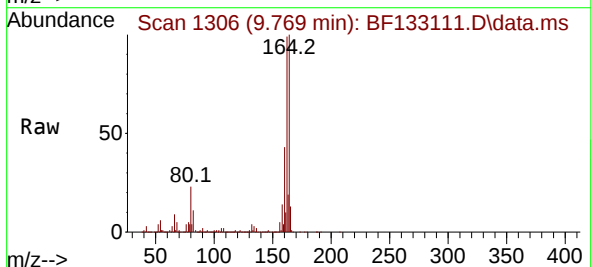
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

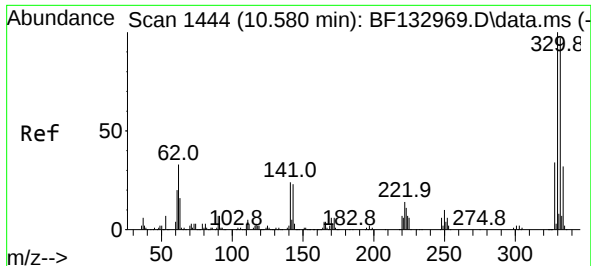
Tgt Ion: 82 Resp: 632380
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:164 Resp: 318936
Ion Ratio Lower Upper
164 100
162 99.3 78.7 118.1
160 43.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 50.759 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

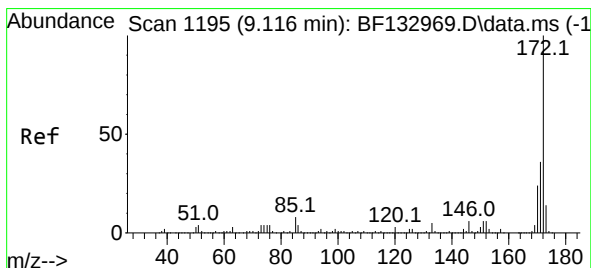
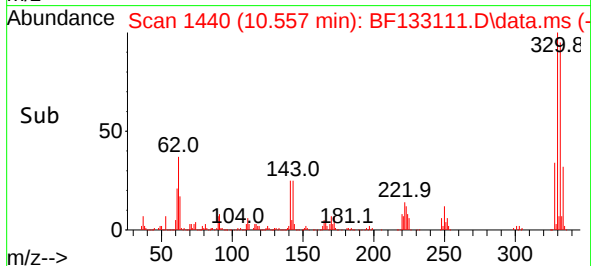
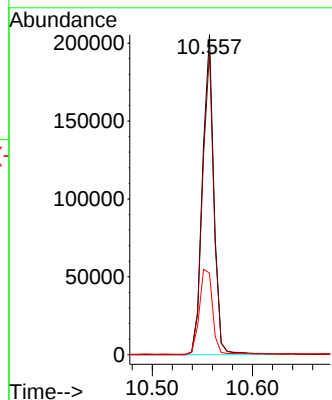
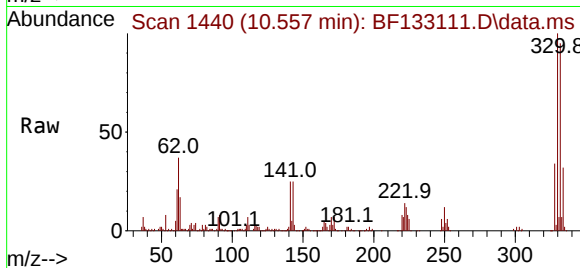
Tgt Ion:330 Resp: 162810

Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 30.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 61.561 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

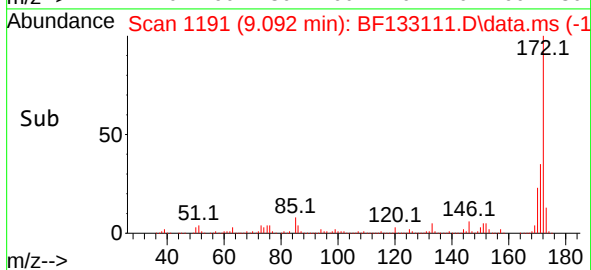
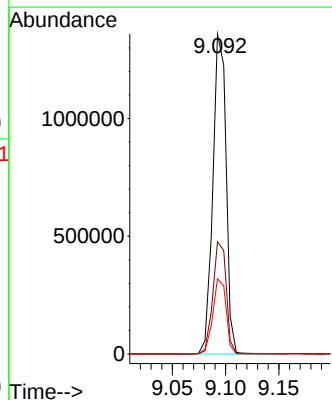
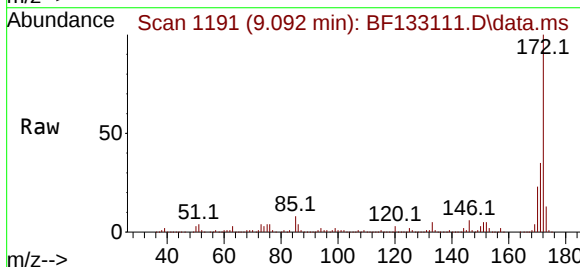
Tgt Ion:172 Resp: 1173573

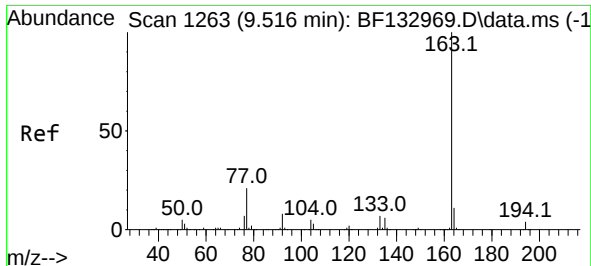
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.5 19.4 29.2

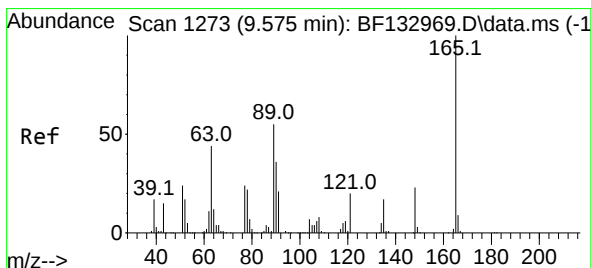
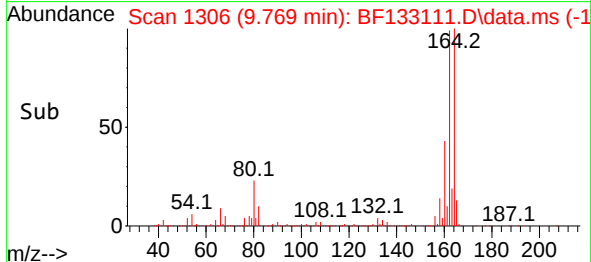
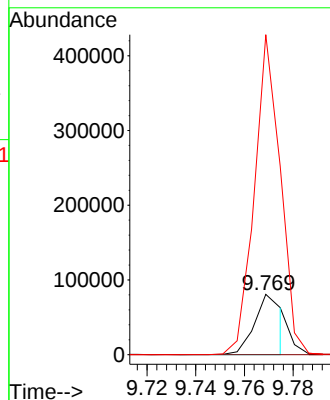
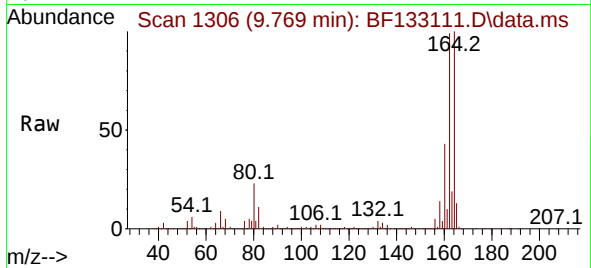




#50
Dimethylphthalate
Concen: 2.851 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

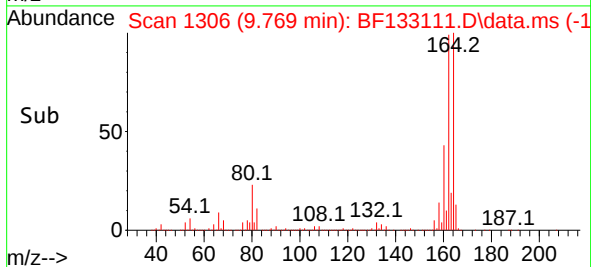
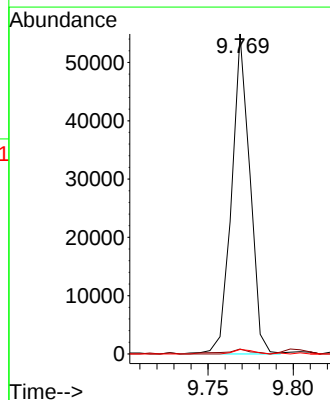
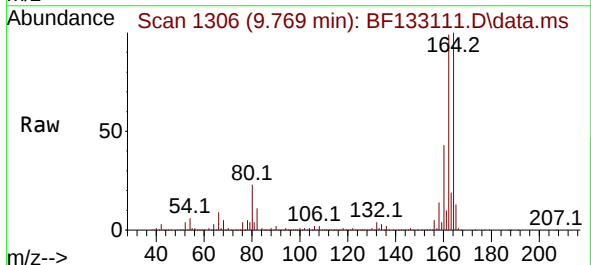
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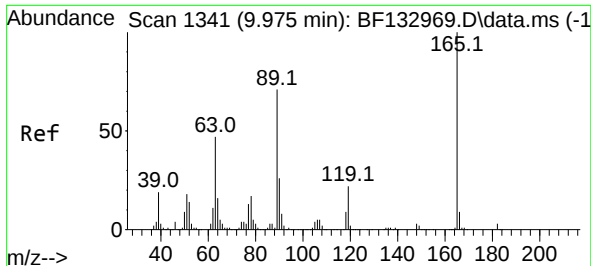
Tgt Ion:163 Resp: 63404
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 531.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.182 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.206 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

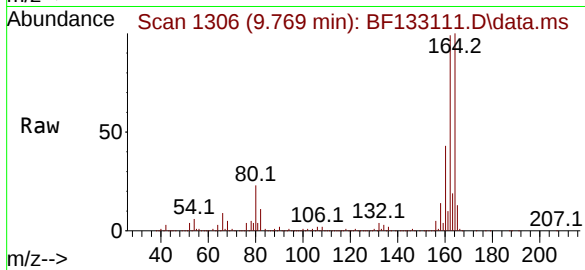
Tgt Ion:165 Resp: 40955
Ion Ratio Lower Upper
165 100
63 1.6 45.9 68.9#
89 1.4 44.0 66.0#



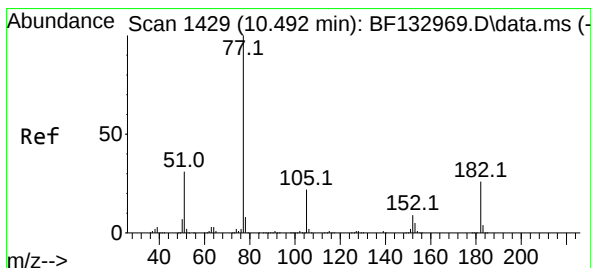
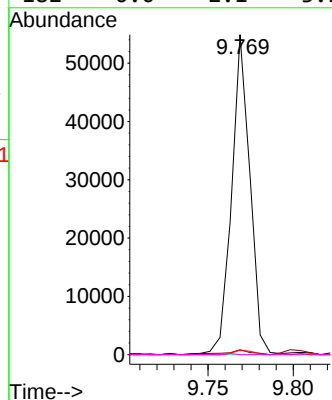
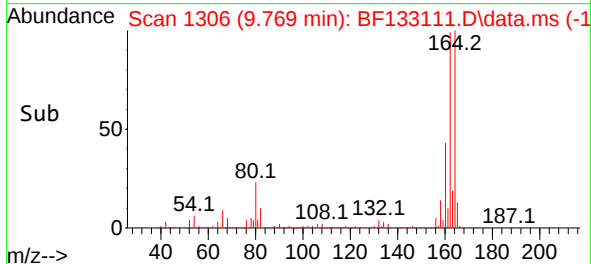


#57
2,4-Dinitrotoluene
Concen: 6.416 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

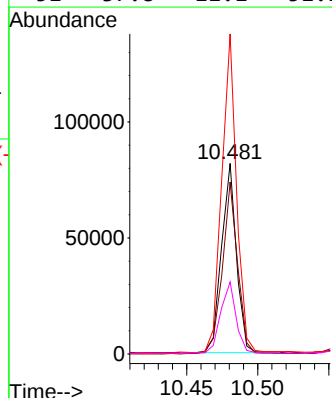
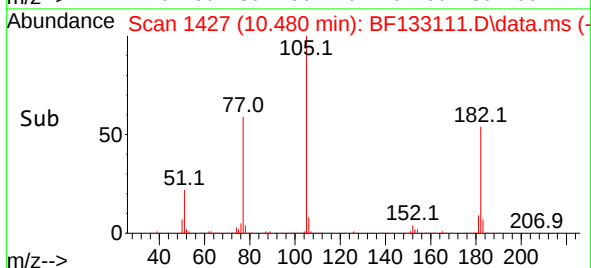
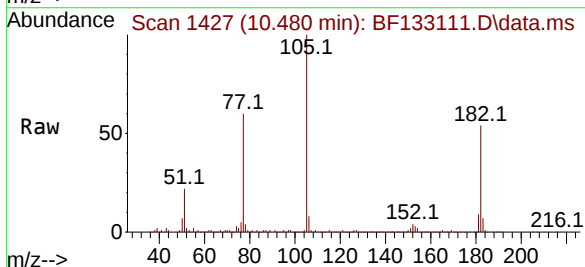


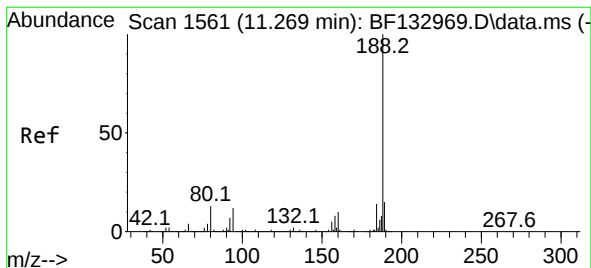
Tgt Ion:165 Resp: 40955
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.672 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion: 77 Resp: 59453
Ion Ratio Lower Upper
77 100
182 90.2 5.9 45.9#
105 167.9 2.3 42.3#
51 37.8 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

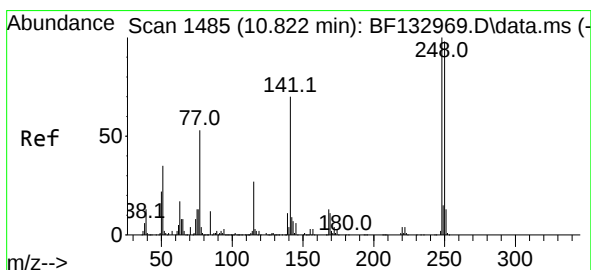
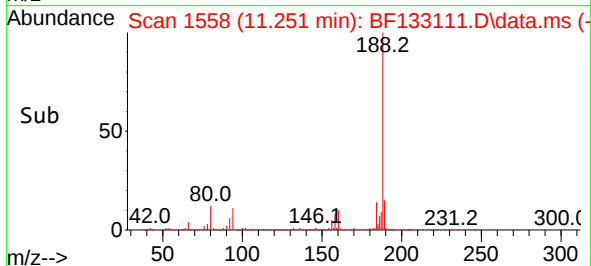
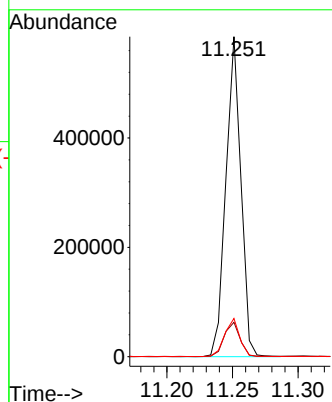
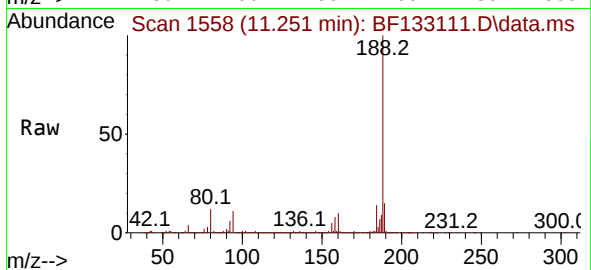
Tgt Ion:188 Resp: 465529

Ion Ratio Lower Upper

188 100

94 10.8 9.7 14.5

80 12.0 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.110 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.247 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

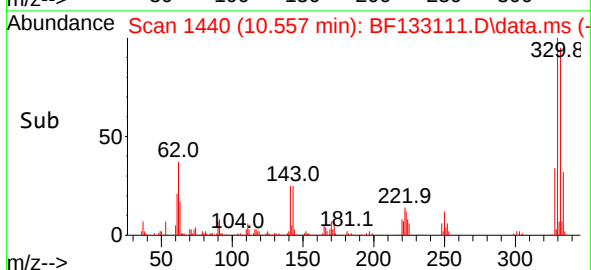
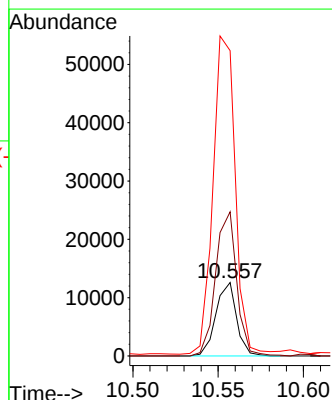
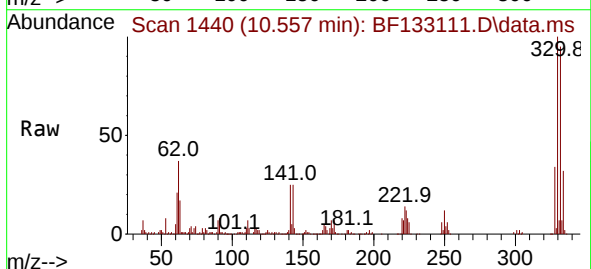
Tgt Ion:248 Resp: 10655

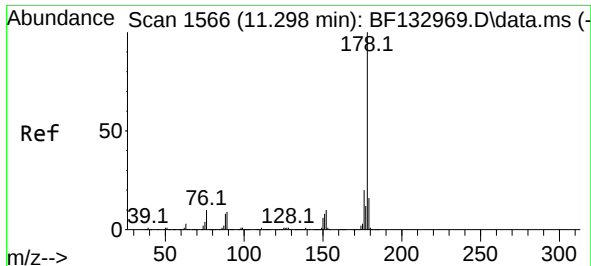
Ion Ratio Lower Upper

248 100

250 196.3 78.7 118.1#

141 415.8 56.3 84.5#

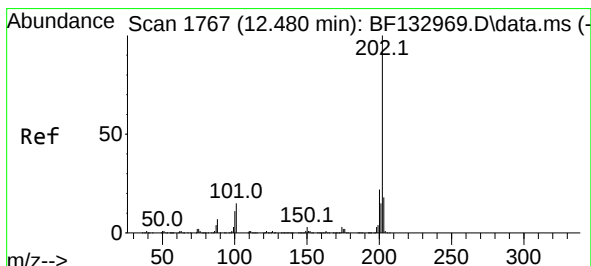
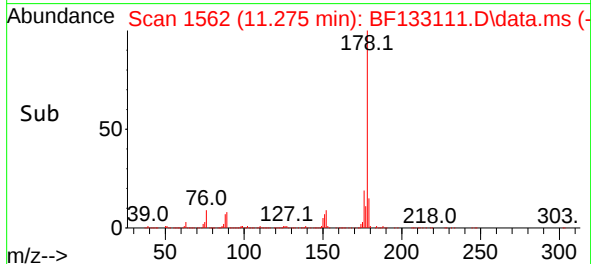
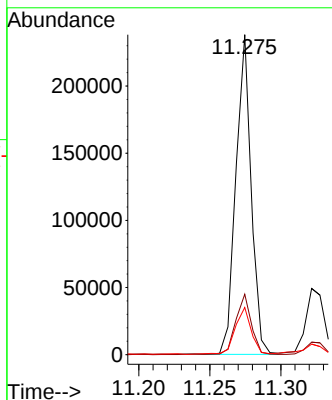
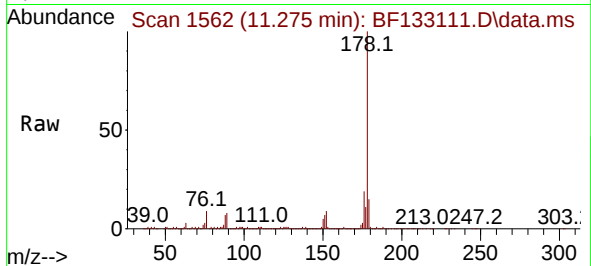




#71
Phenanthrene
Concen: 7.140 ng
RT: 11.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

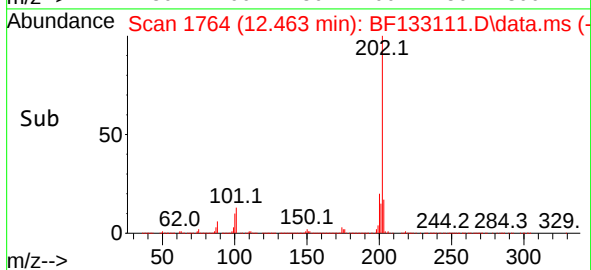
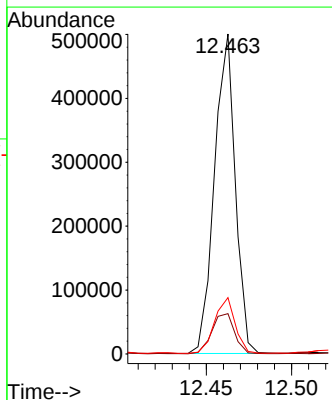
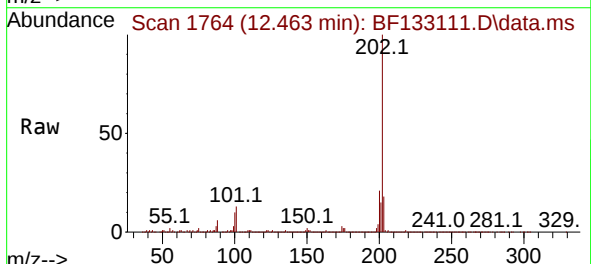
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

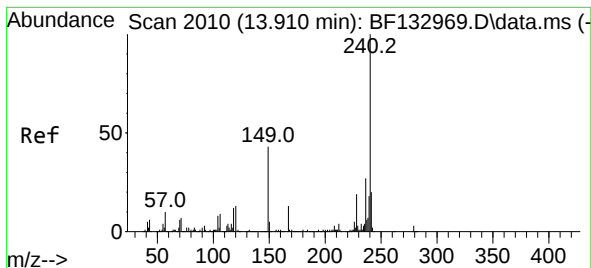
Tgt Ion:178 Resp: 178638
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.8 12.5 18.7



#75
Fluoranthene
Concen: 16.953 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:202 Resp: 425713
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.3
203 17.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

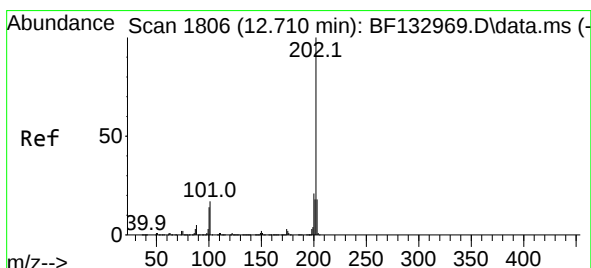
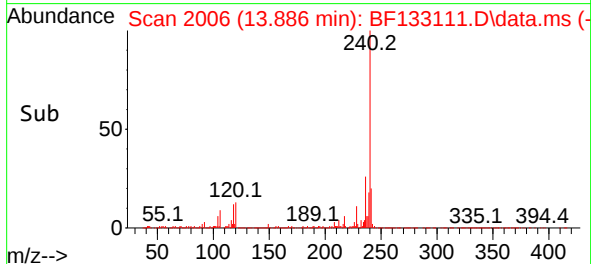
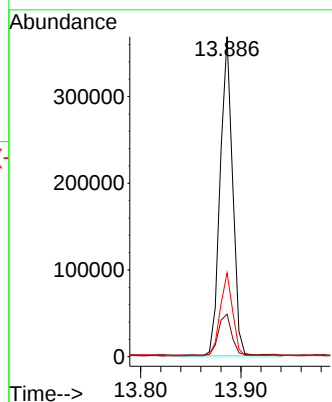
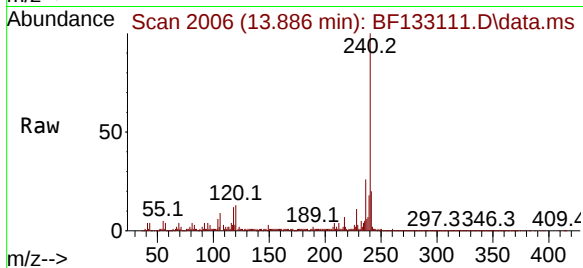
Tgt Ion:240 Resp: 315880

Ion Ratio Lower Upper

240 100

120 13.3 10.5 15.7

236 26.2 21.5 32.3



#78

Pyrene

Concen: 14.865 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

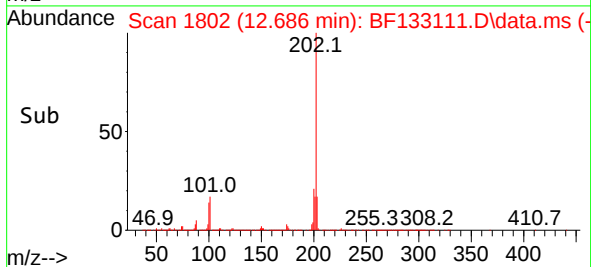
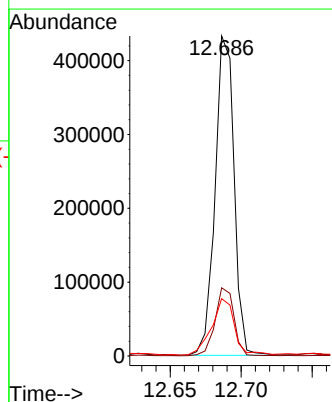
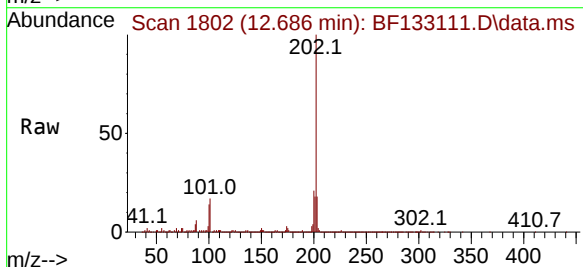
Tgt Ion:202 Resp: 402506

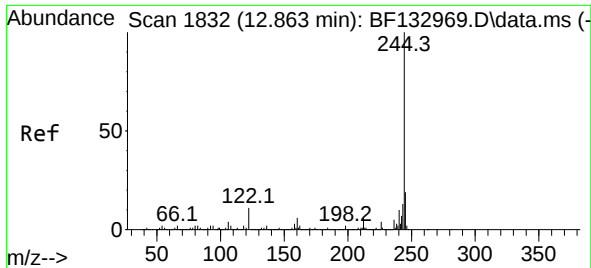
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.9 14.1 21.1

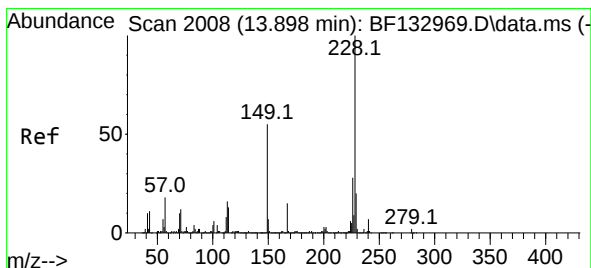
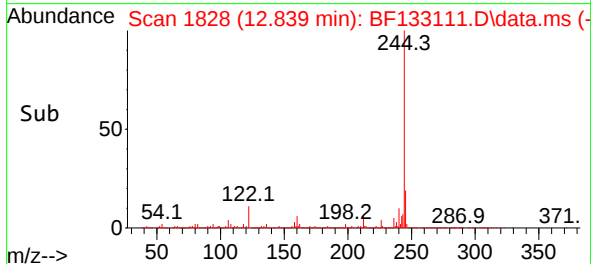
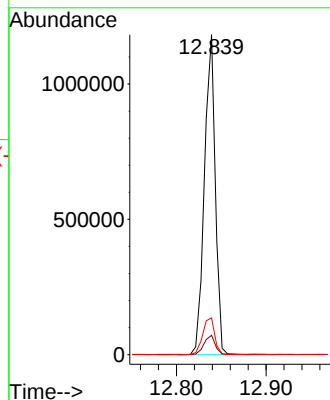
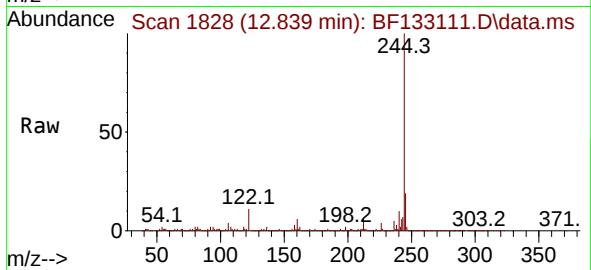




#79
 Terphenyl-d14
 Concen: 54.229 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133111.D
 Acq: 27 Apr 2023 20:57

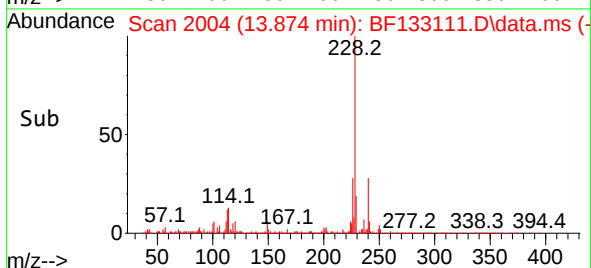
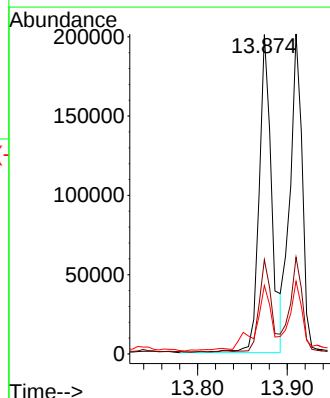
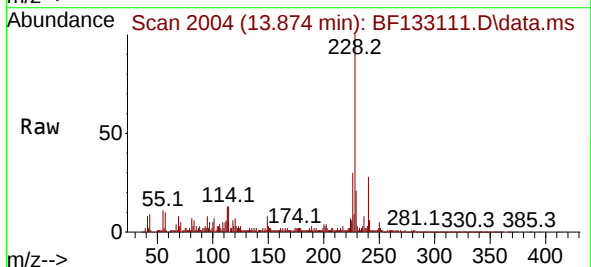
Instrument :
 BNA_F
 ClientSampleId :
 SPD-1WC-23-04-18

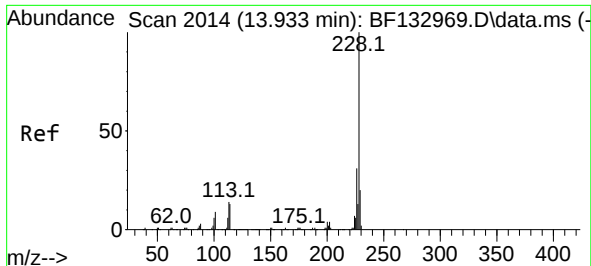
Tgt Ion:244 Resp: 993222
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 11.5 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 8.973 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. -0.012 min
 Lab File: BF133111.D
 Acq: 27 Apr 2023 20:57

Tgt Ion:228 Resp: 194918
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.2 33.4
 229 21.4 16.0 24.0

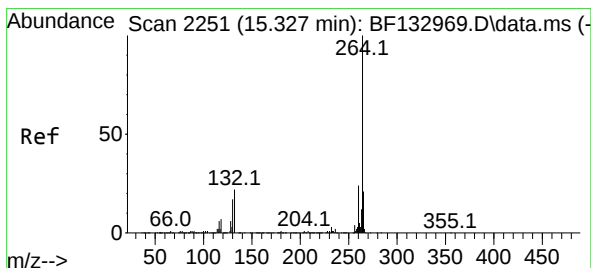
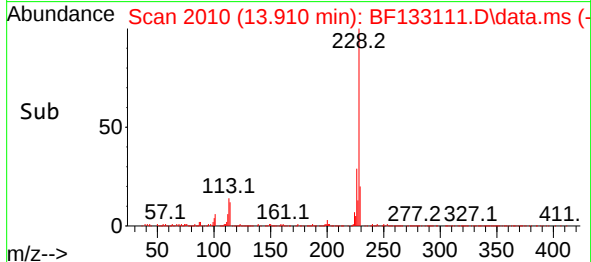
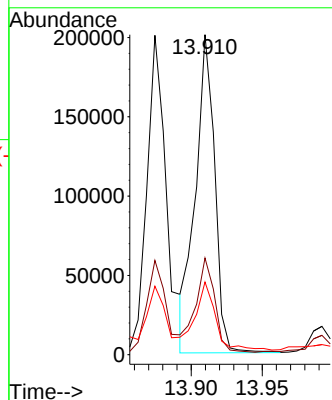
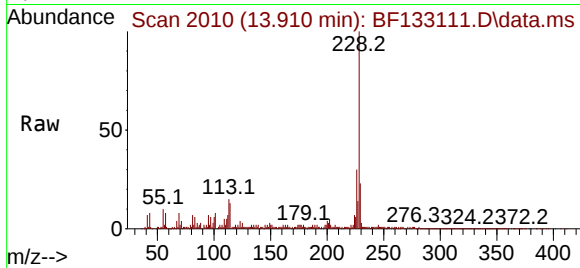




#83
Chrysene
Concen: 8.748 ng
RT: 13.910 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

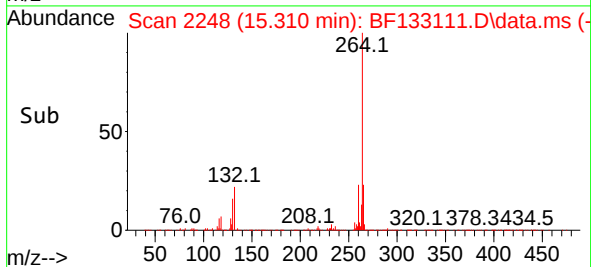
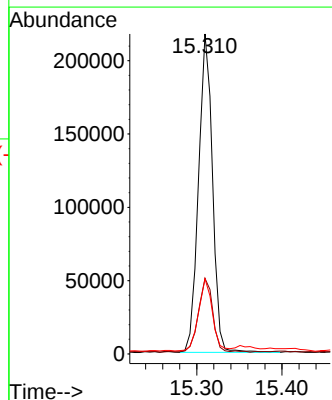
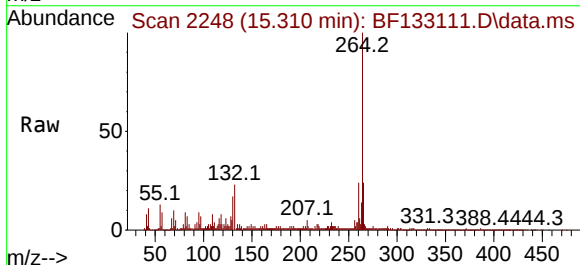
Instrument :
BNA_F
ClientSampleId :
SPD-1WC-23-04-18

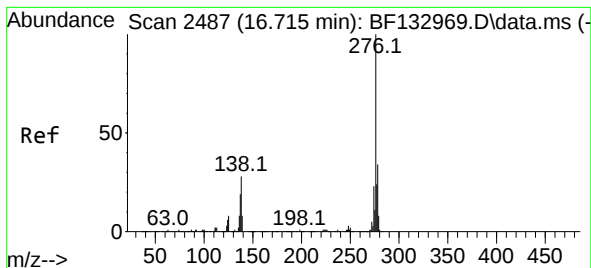
Tgt Ion:228 Resp: 189976
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.7 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.310 min Scan# 2248
Delta R.T. -0.006 min
Lab File: BF133111.D
Acq: 27 Apr 2023 20:57

Tgt Ion:264 Resp: 246781
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 23.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.198 ng

RT: 16.686 min Scan# 2487

Delta R.T. -0.012 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

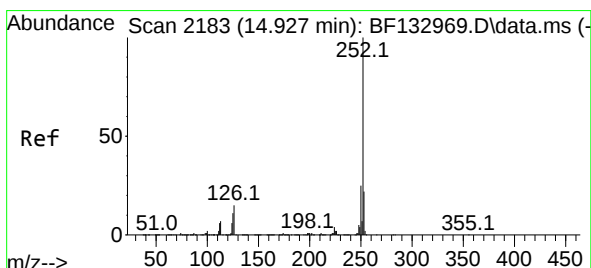
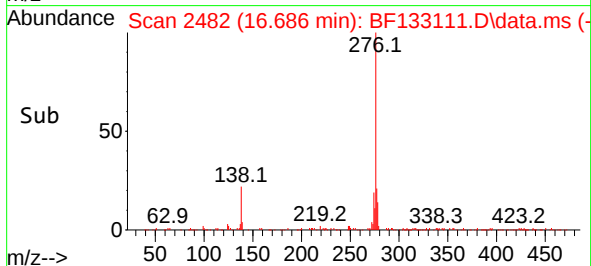
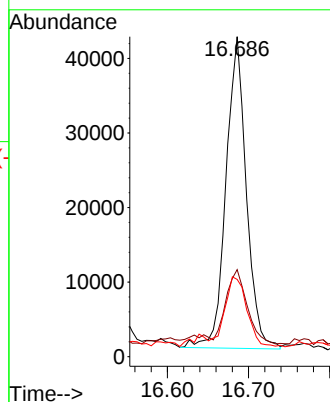
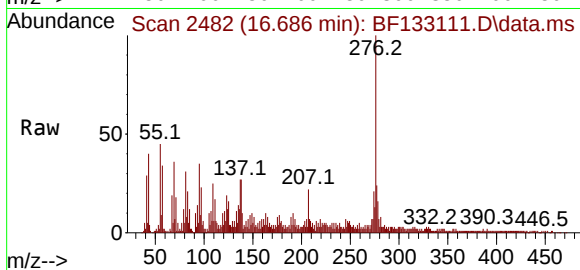
Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

Tgt Ion:	276	Resp:	72964
Ion Ratio	Lower	Upper	
276	100		
138	24.6	25.5	38.3#
277	24.4	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 16.268 ng

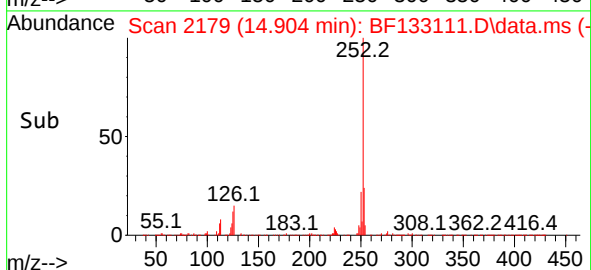
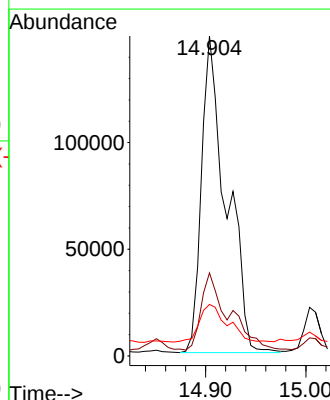
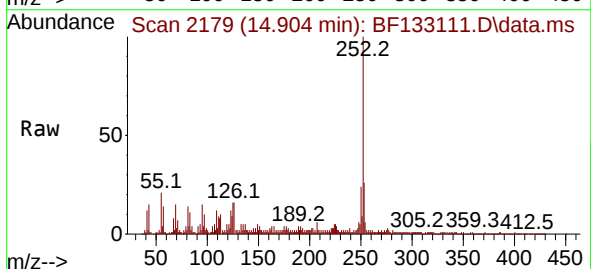
RT: 14.904 min Scan# 2179

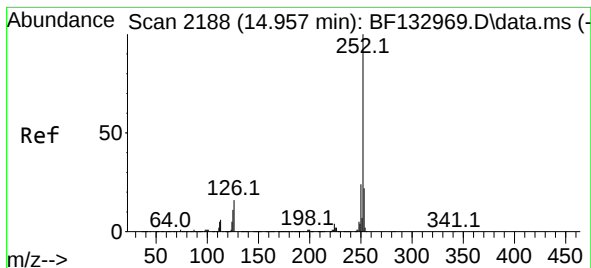
Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Tgt Ion:	252	Resp:	255405
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.6	26.4
125	16.1	8.9	13.3#





#89

Benzo(k)fluoranthene

Concen: 16.411 ng

RT: 14.904 min Scan# 2188

Delta R.T. -0.035 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18

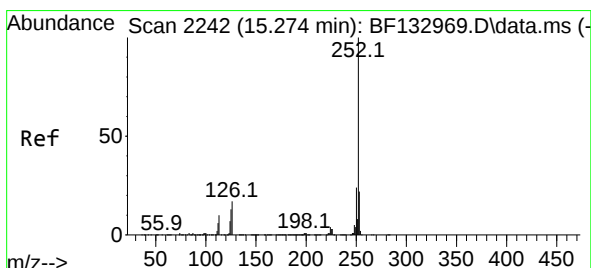
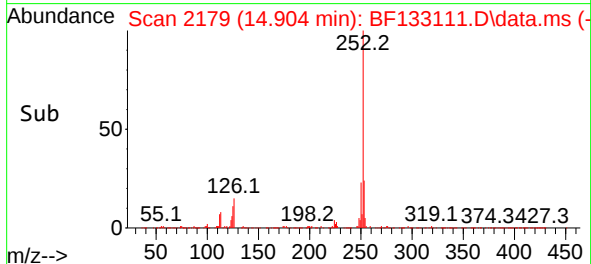
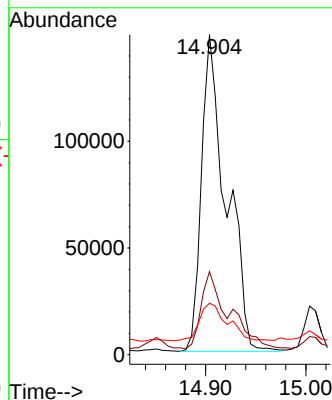
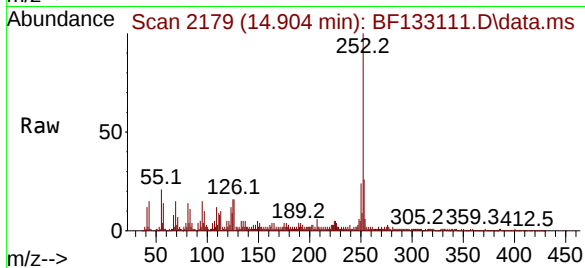
Tgt Ion:252 Resp: 255405

Ion Ratio Lower Upper

252 100

253 25.9 17.7 26.5

125 16.1 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 8.129 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.006 min

Lab File: BF133111.D

Acq: 27 Apr 2023 20:57

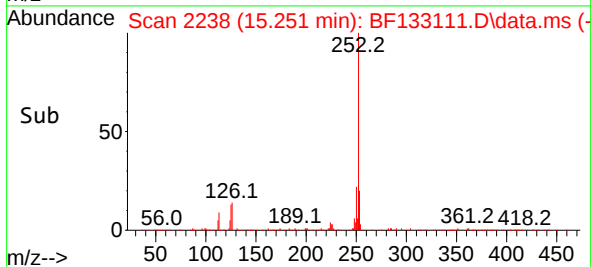
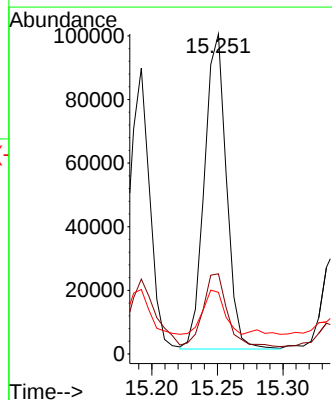
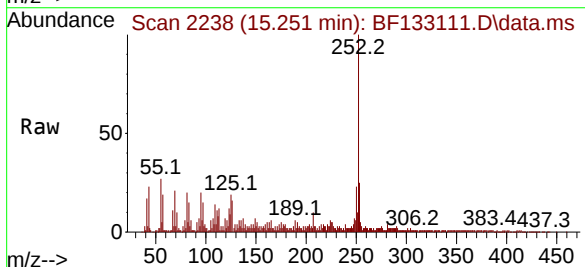
Tgt Ion:252 Resp: 116170

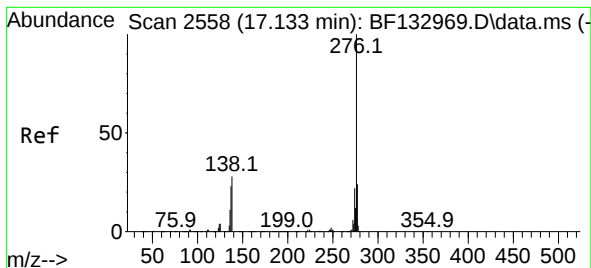
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 19.2 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 6.134 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133111.D

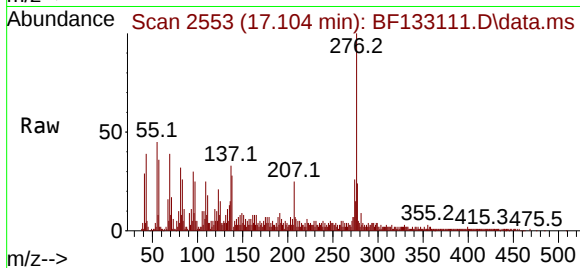
Acq: 27 Apr 2023 20:57

Instrument :

BNA_F

ClientSampleId :

SPD-1WC-23-04-18



Tgt Ion:276 Resp: 70903

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 28.1 22.7 34.1

