

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041823\
 Data File : BF132911.D
 Acq On : 18 Apr 2023 20:31
 Operator : CG\JU
 Sample : 02371-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Quant Time: Apr 19 03:29:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

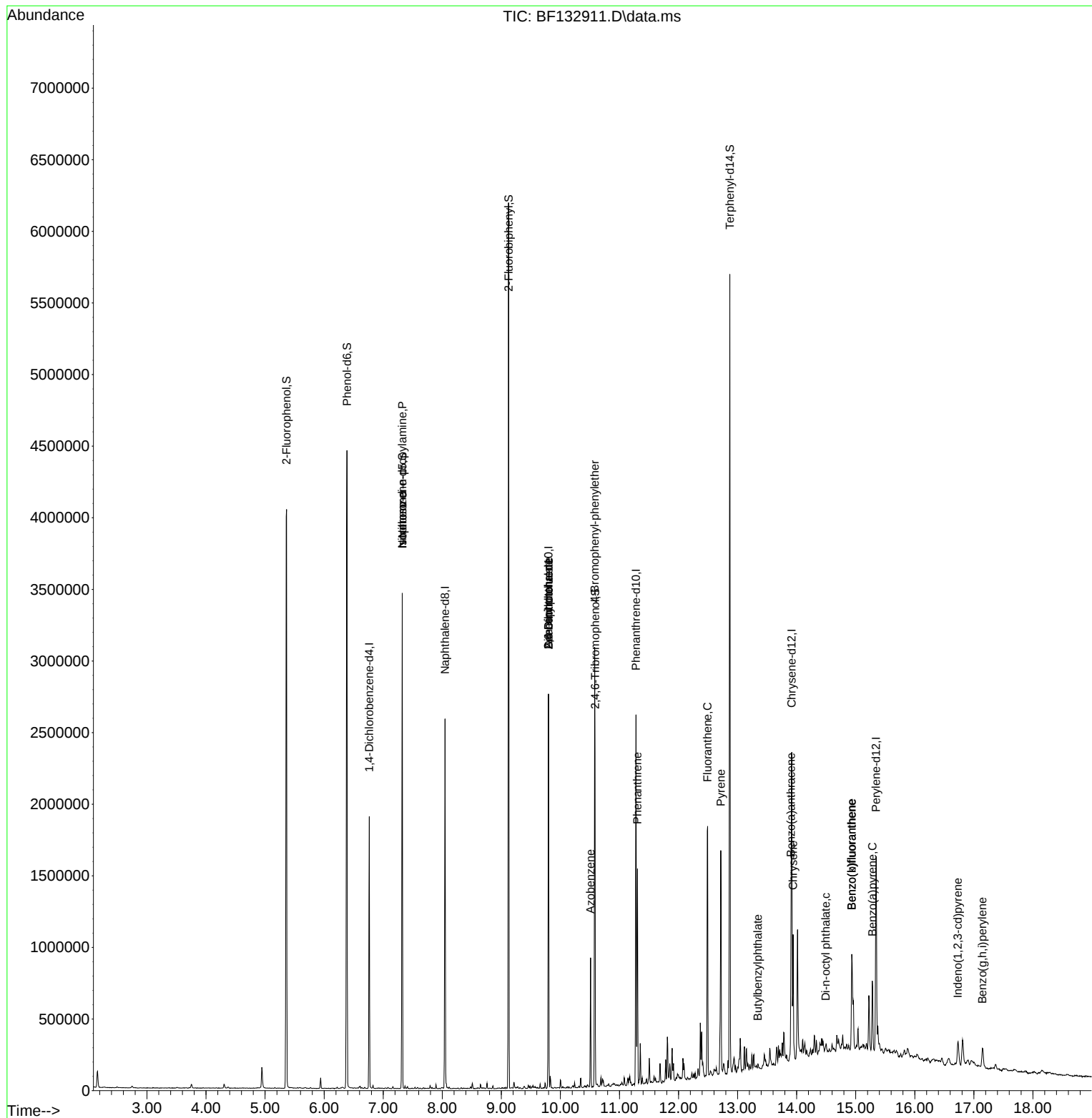
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	233929	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	930311	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	473948	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	843331	20.000	ng	0.00
76) Chrysene-d12	13.916	240	565213	20.000	ng	-0.01
86) Perylene-d12	15.345	264	555478	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1125296	75.219	ng	0.00
7) Phenol-d6	6.387	99	1450429	75.979	ng	-0.01
23) Nitrobenzene-d5	7.322	82	864070	48.413	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	332957	70.041	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1571291	50.931	ng	-0.01
79) Terphenyl-d14	12.869	244	1743866	52.638	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	114327	9.595	ng	# 81
25) Isophorone	7.322	82	863144	25.496	ng	# 65
50) Dimethylphthalate	9.798	163	94979	2.899	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	61474	8.557	ng	# 28
57) 2,4-Dinitrotoluene	9.798	165	61474	6.933	ng	# 23
63) Azobenzene	10.510	77	129418	3.784	ng	# 1
67) 4-Bromophenyl-phenylether	10.581	248	20681	2.148	ng	# 1
71) Phenanthrene	11.304	178	459715	10.134	ng	99
75) Fluoranthene	12.492	202	692982	15.362	ng	96
78) Pyrene	12.716	202	590367	12.774	ng	98
80) Butylbenzylphthalate	13.339	149	1042	5.217	ng	# 59
81) Benzo(a)anthracene	13.904	228	302599	7.872	ng	98
83) Chrysene	13.939	228	291974	7.642	ng	97
85) Di-n-octyl phthalate	14.492	149	1245	6.417	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.727	276	108972	3.433	ng	96
88) Benzo(b)fluoranthene	14.933	252	465165	13.444	ng	97
89) Benzo(k)fluoranthene	14.933	252	465165	13.496	ng	97
90) Benzo(a)pyrene	15.280	252	222851	7.050	ng	97
92) Benzo(g,h,i)perylene	17.145	276	102461	3.957	ng	98

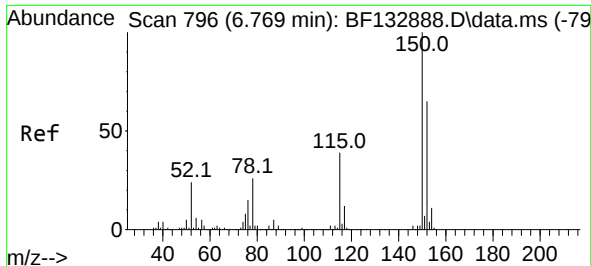
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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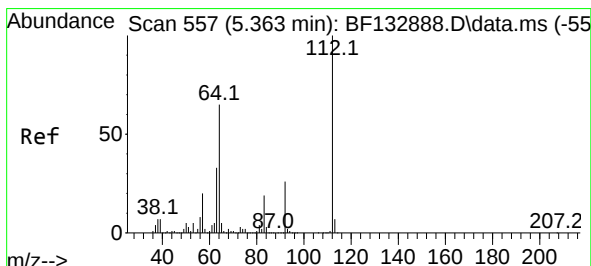
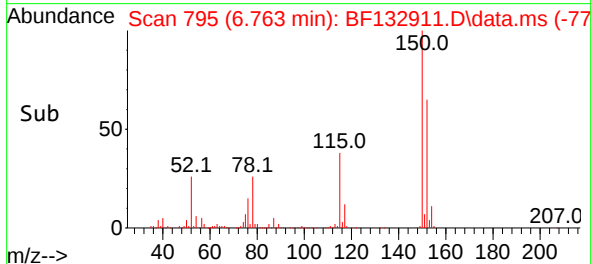
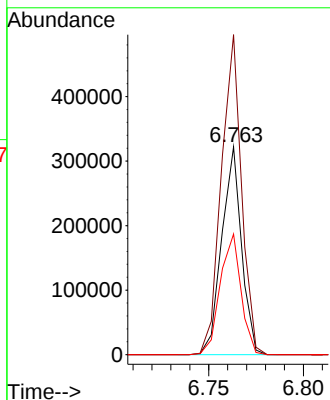
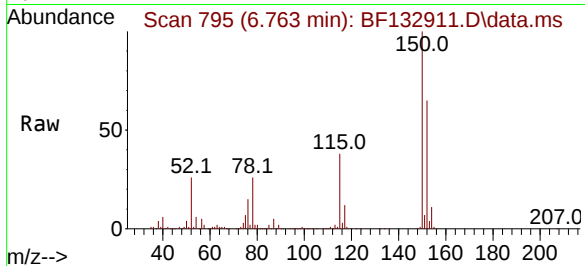




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

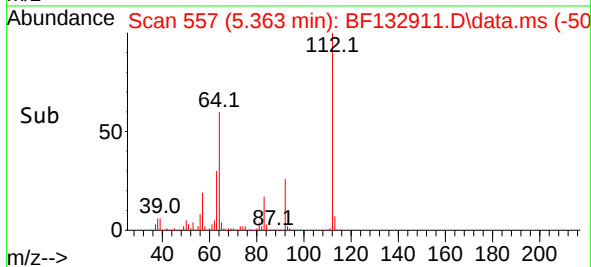
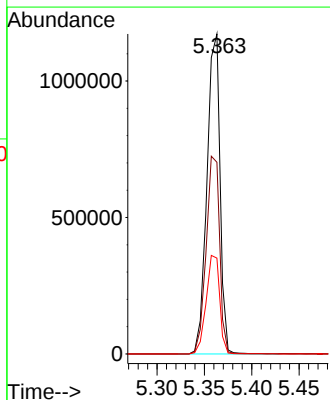
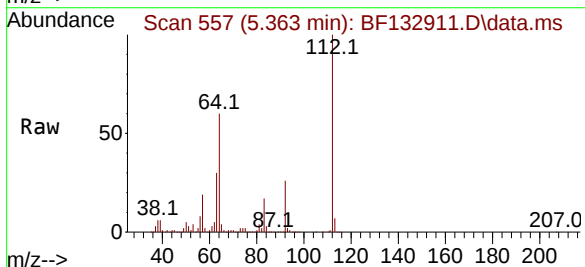
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

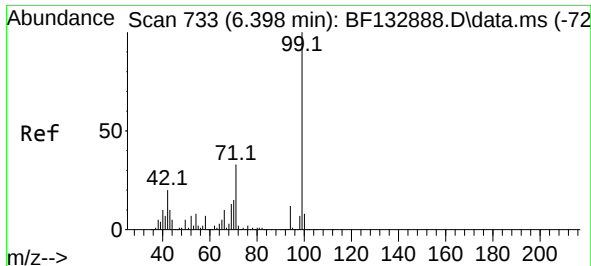
Tgt Ion:152 Resp: 233929
Ion Ratio Lower Upper
152 100
150 154.0 122.8 184.2
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 75.219 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:112 Resp: 1125296
Ion Ratio Lower Upper
112 100
64 59.9 51.8 77.8
63 29.9 26.3 39.5

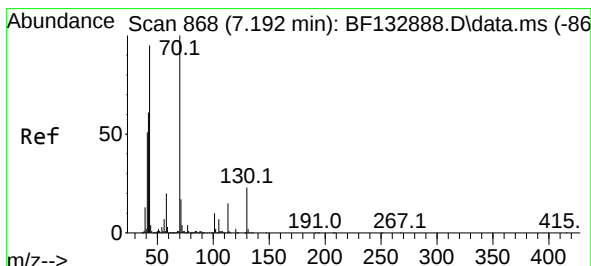
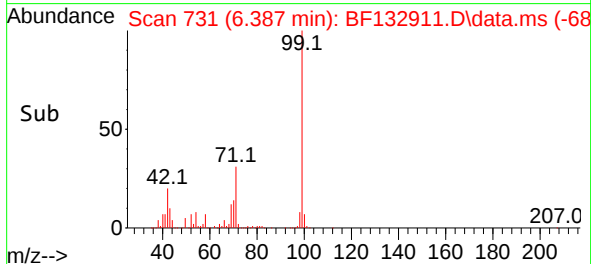
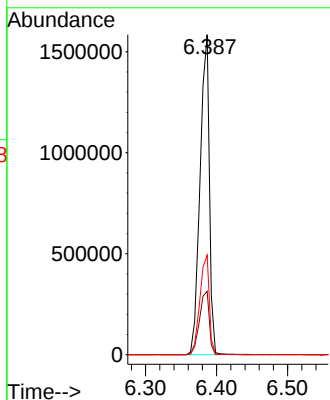
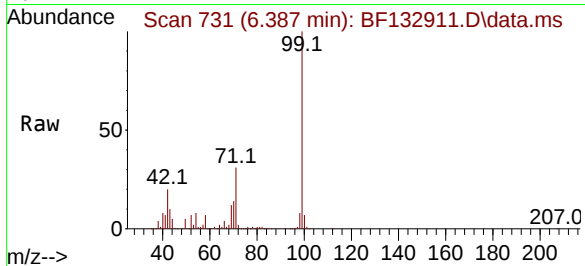




#7
Phenol-d6
Concen: 75.979 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

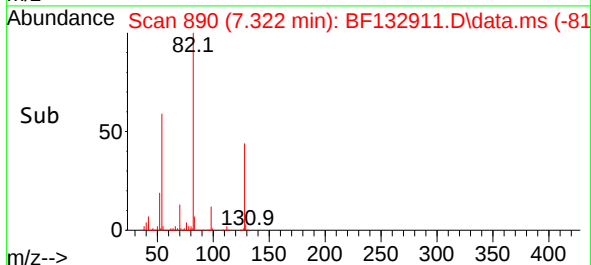
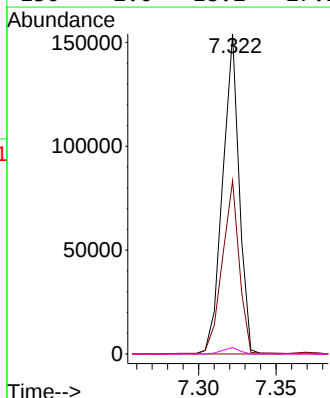
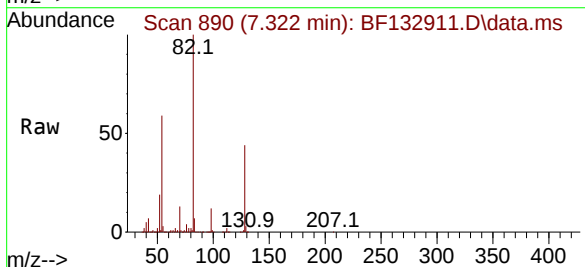
Instrument :
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ClientSampleId :
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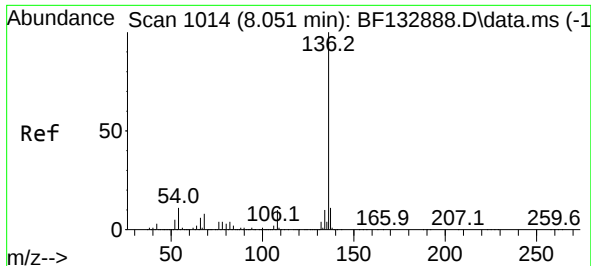
Tgt Ion: 99 Resp: 1450429
Ion Ratio Lower Upper
99 100
42 19.8 16.1 24.1
71 31.1 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.595 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.130 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion: 70 Resp: 114327
Ion Ratio Lower Upper
70 100
42 54.1 49.0 73.6
101 0.0 8.1 12.1#
130 2.0 18.2 27.2#



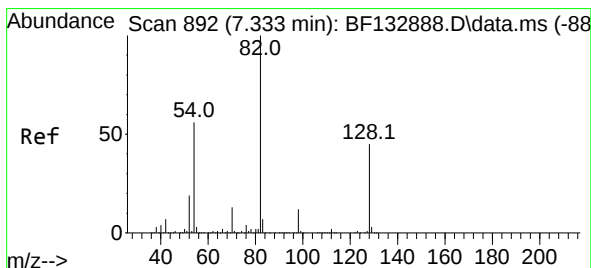
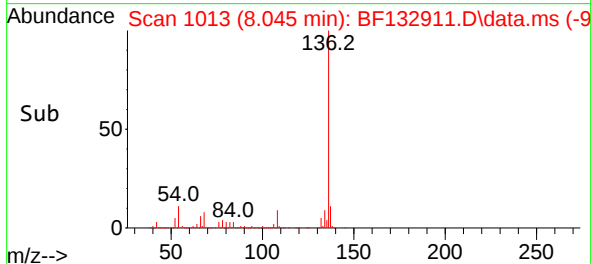
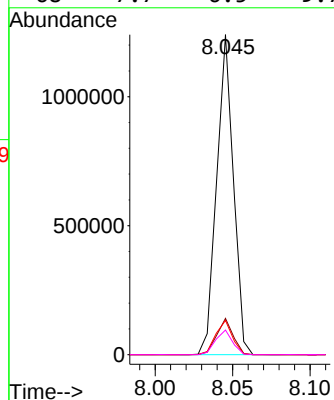
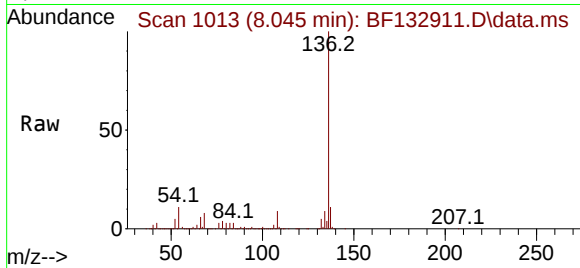


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tgt Ion:136 Resp: 930311

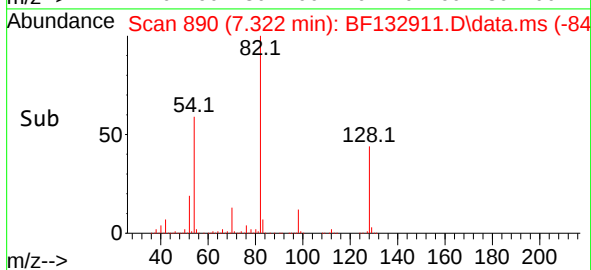
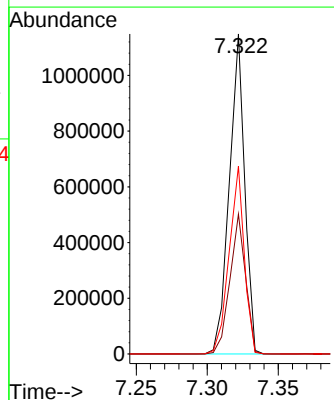
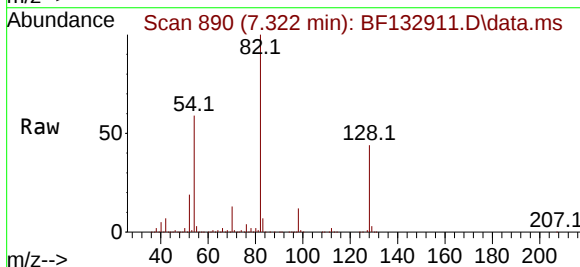
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	10.7	8.9	13.3
68	7.7	6.5	9.7

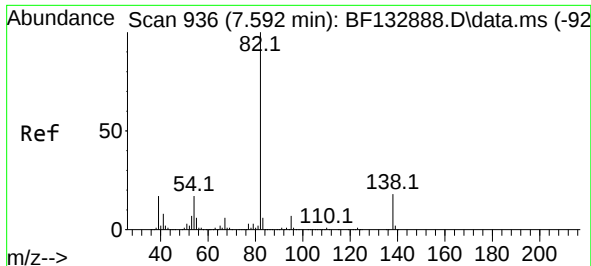


#23
Nitrobenzene-d5
Concen: 48.413 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion: 82 Resp: 864070

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	58.7	44.7	67.1

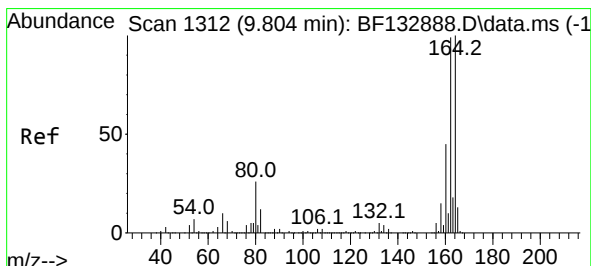
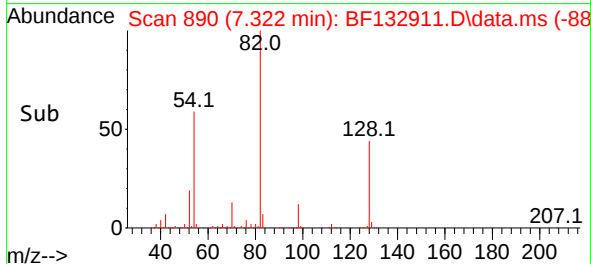
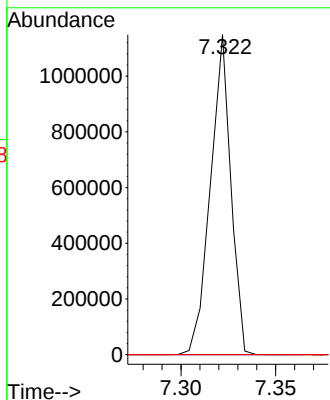
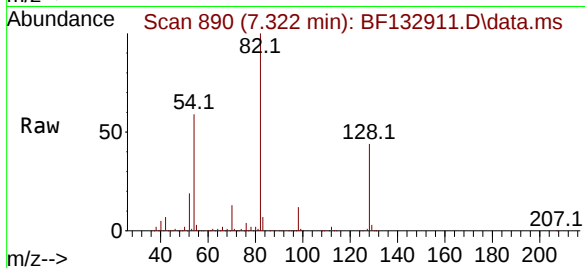




#25
Isophorone
Concen: 25.496 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.270 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

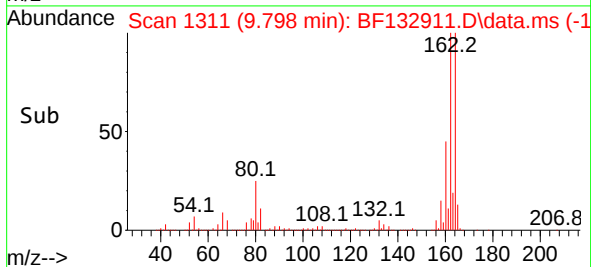
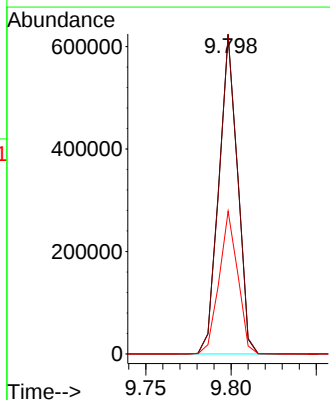
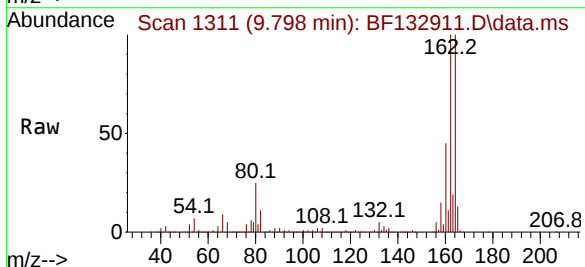
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ClientSampleId :
SB-23-COMP

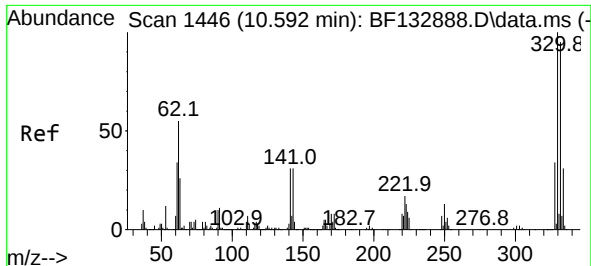
Tgt Ion: 82 Resp: 863144
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:164 Resp: 473948
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 44.7 35.6 53.4

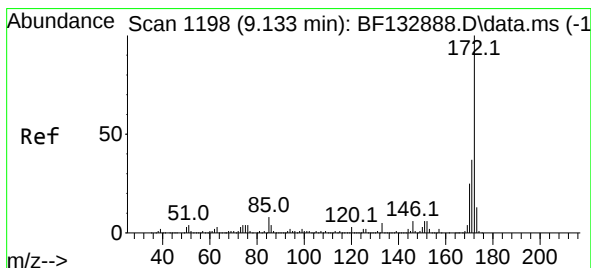
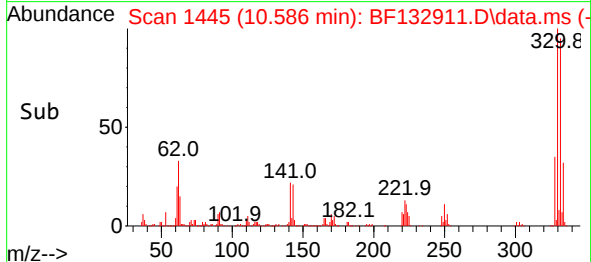
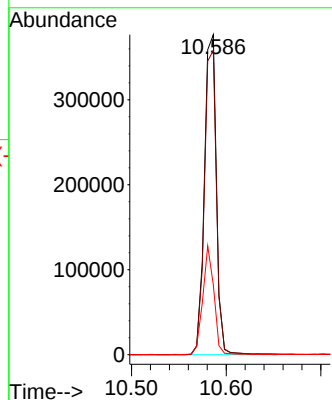
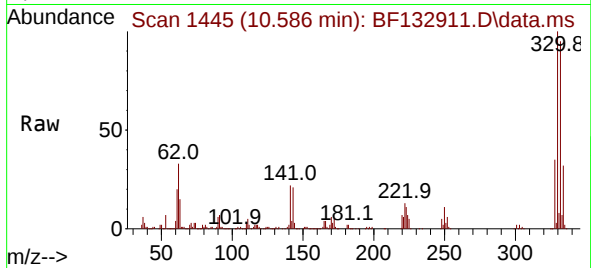




#42
2,4,6-Tribromophenol
Concen: 70.041 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

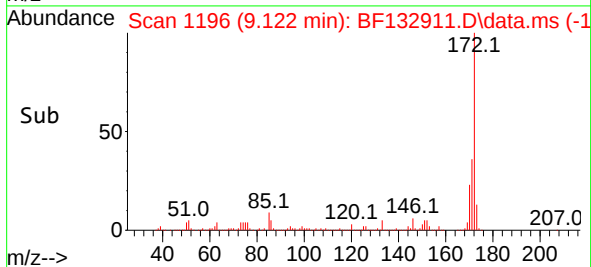
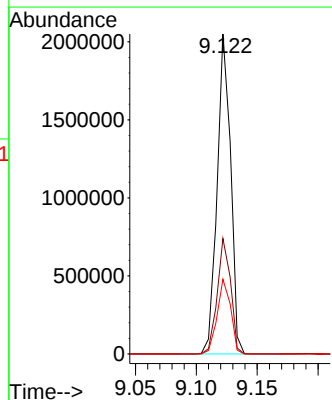
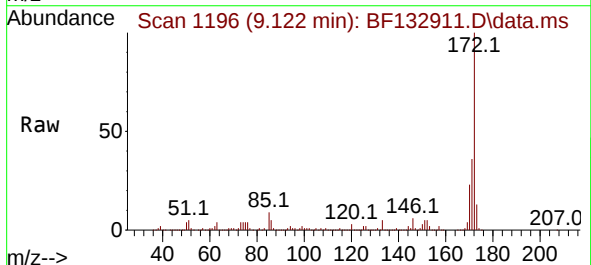
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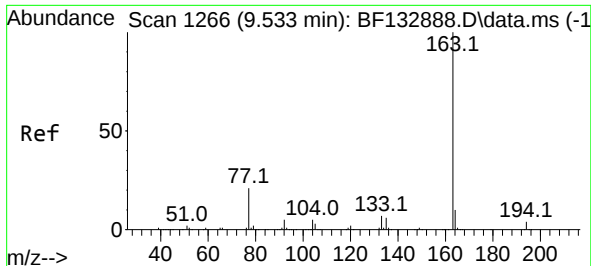
Tgt Ion:330 Resp: 332957
Ion Ratio Lower Upper
330 100
332 95.3 76.3 114.5
141 31.8 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 50.931 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:172 Resp: 1571291
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.4 20.1 30.1

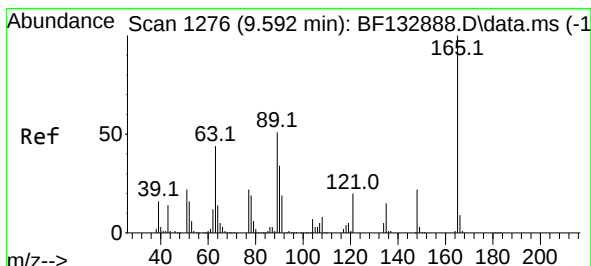
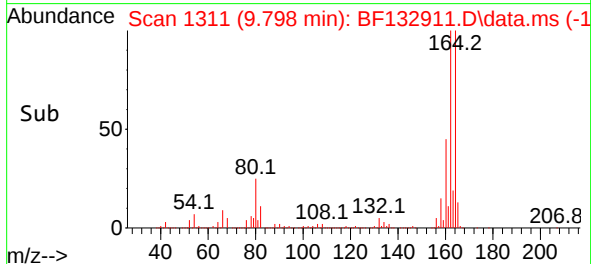
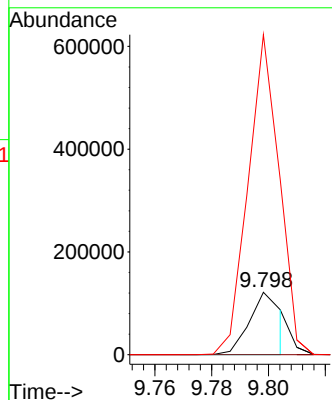
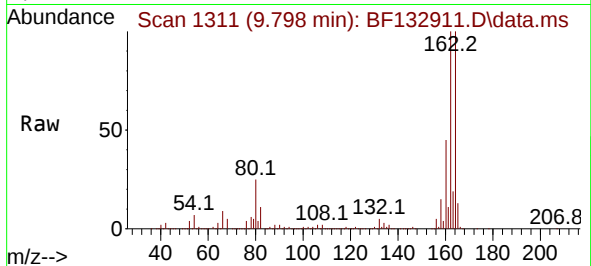




#50
Dimethylphthalate
Concen: 2.899 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

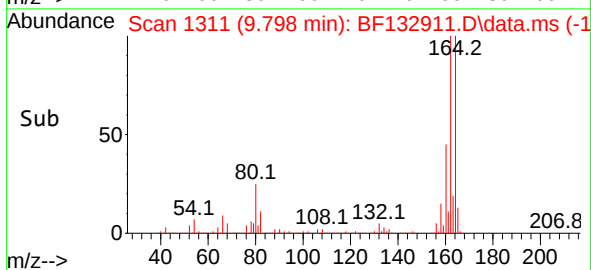
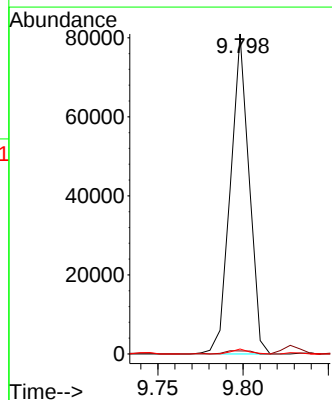
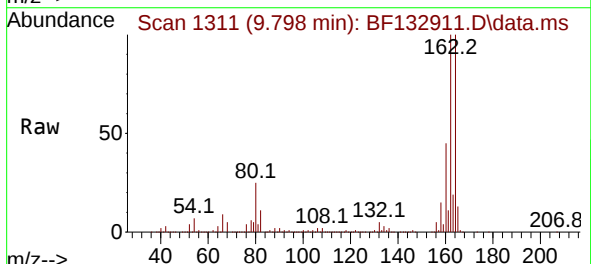
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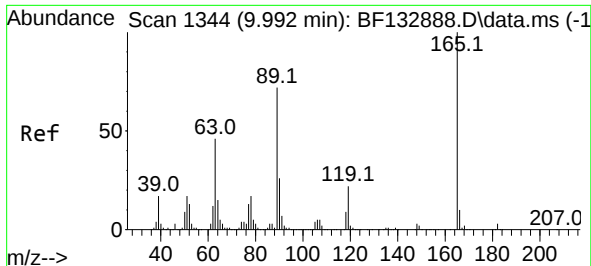
Tgt Ion:163 Resp: 94979
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 512.3 8.3 12.5#



#51
2,6-Dinitrotoluene
Concen: 8.557 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:165 Resp: 61474
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.6 41.0 61.4#

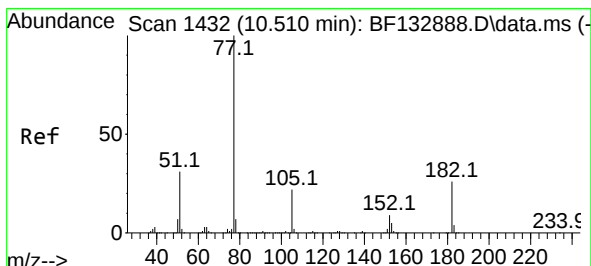
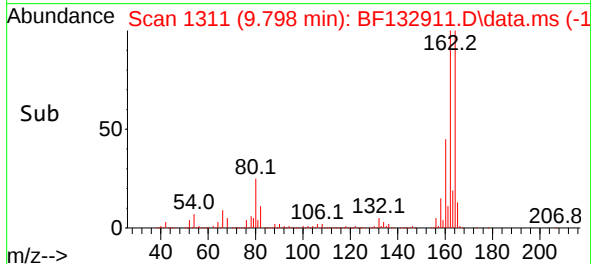
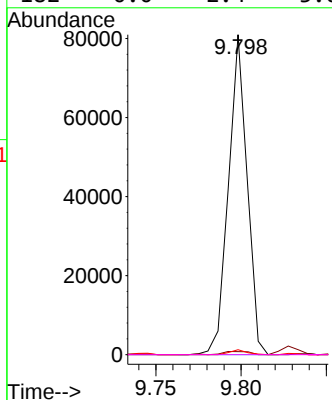
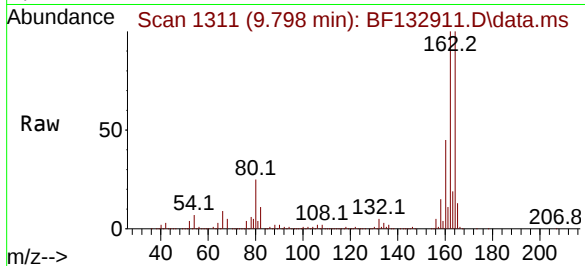




#57
2,4-Dinitrotoluene
Concen: 6.933 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

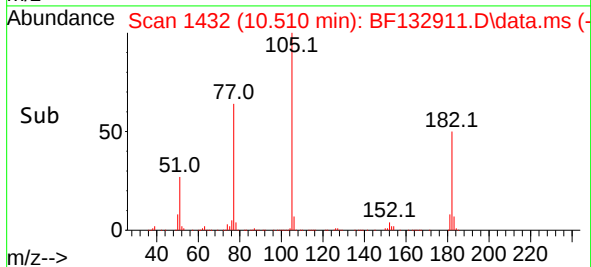
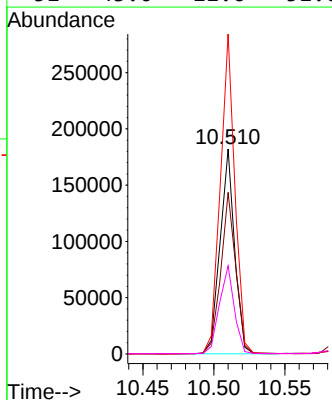
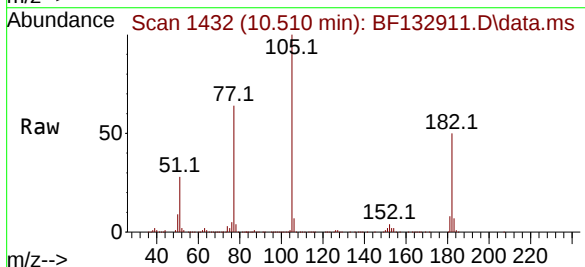
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

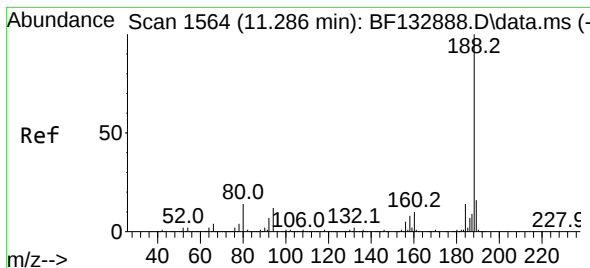
Tgt Ion:165 Resp: 61474
Ion Ratio Lower Upper
165 100
63 1.0 37.0 55.6#
89 1.6 57.8 86.6#
182 0.0 2.4 3.6#



#63
Azobenzene
Concen: 3.784 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion: 77 Resp: 129418
Ion Ratio Lower Upper
77 100
182 78.8 6.0 46.0#
105 156.1 1.6 41.6#
51 43.0 11.6 51.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

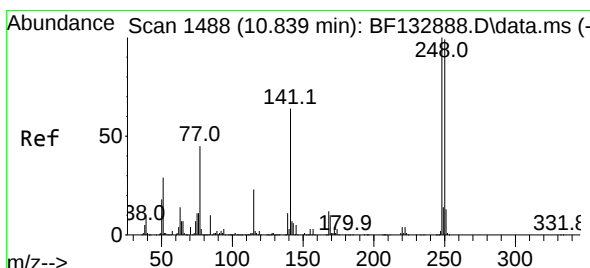
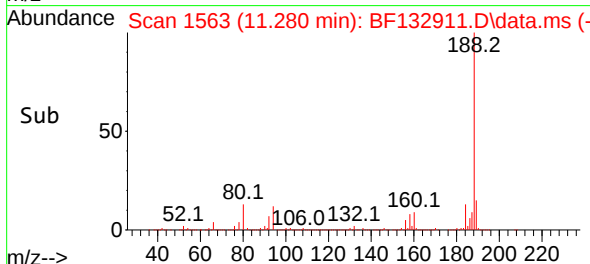
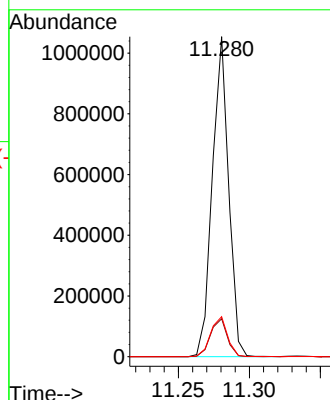
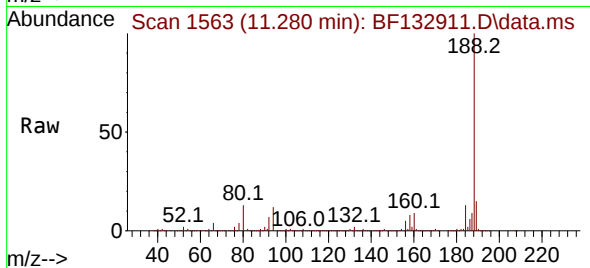
Tgt Ion:188 Resp: 843331

Ion Ratio Lower Upper

188 100

94 11.8 9.9 14.9

80 12.5 10.8 16.2



#67

4-Bromophenyl-phenylether

Concen: 2.148 ng

RT: 10.581 min Scan# 1444

Delta R.T. -0.259 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

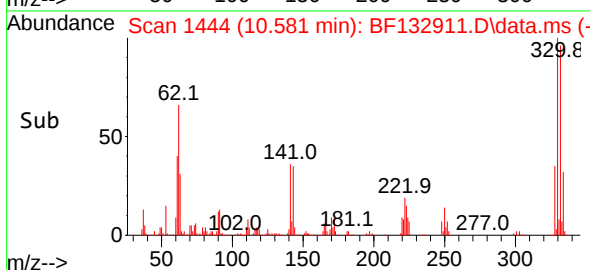
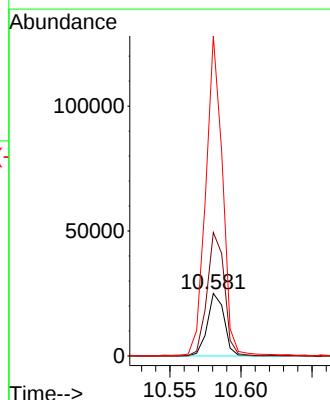
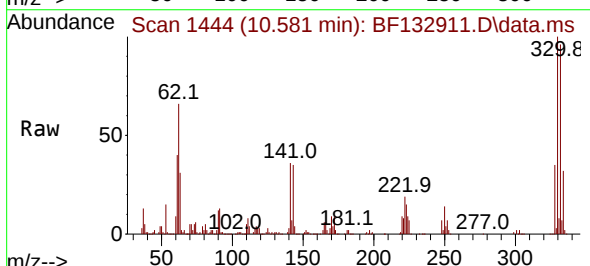
Tgt Ion:248 Resp: 20681

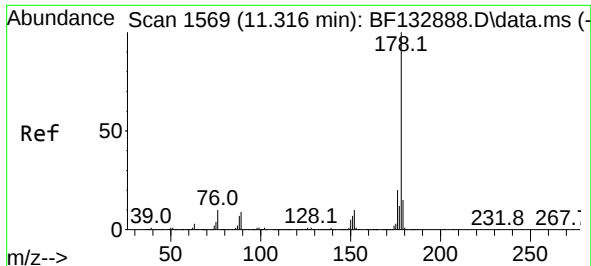
Ion Ratio Lower Upper

248 100

250 197.3 79.1 118.7#

141 511.5 51.0 76.6#

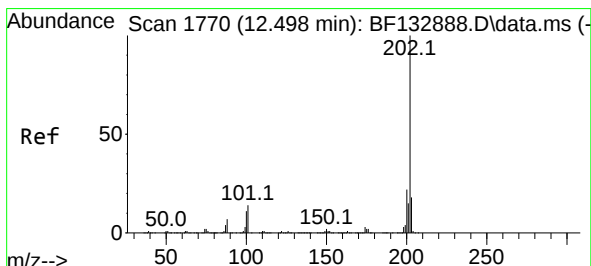
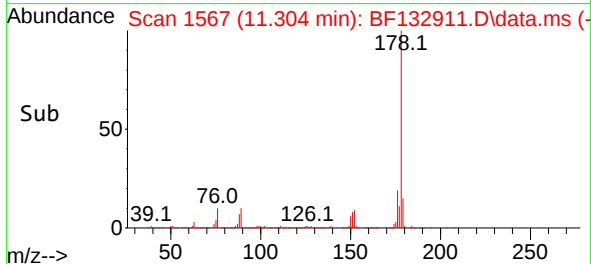
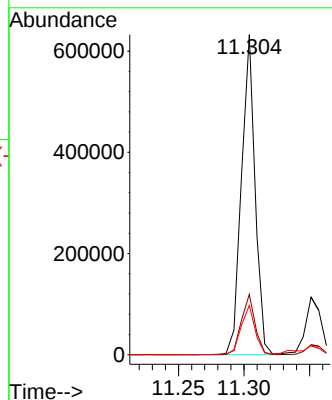
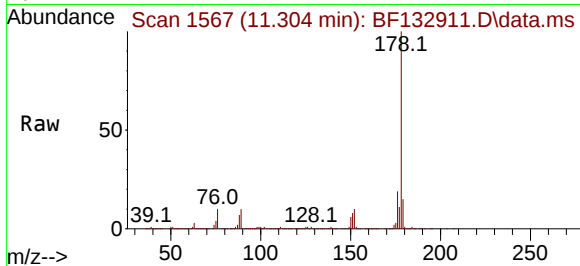




#71
Phenanthrene
Concen: 10.134 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

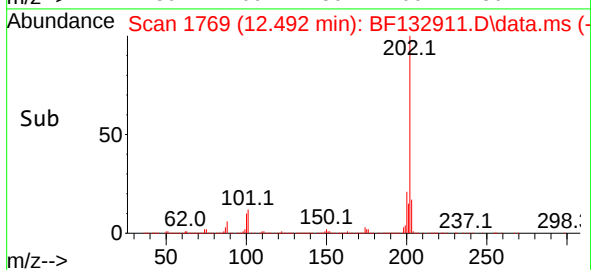
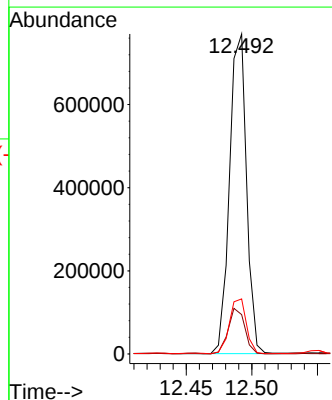
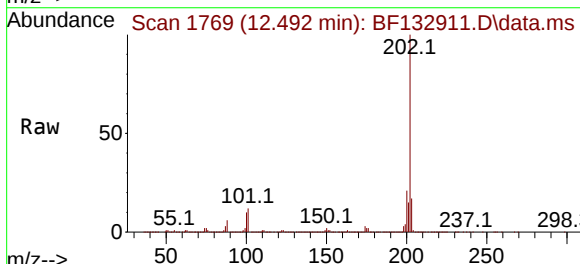
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

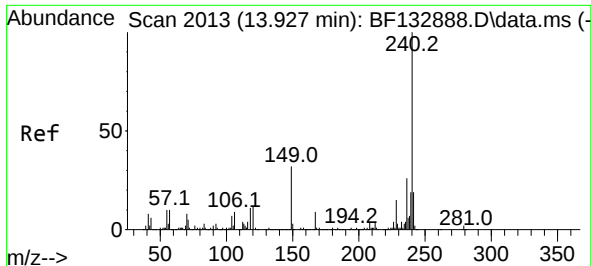
Tgt Ion:178 Resp: 459715
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.4 12.3 18.5



#75
Fluoranthene
Concen: 15.362 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:202 Resp: 692982
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.5
203 17.2 0.0 38.2

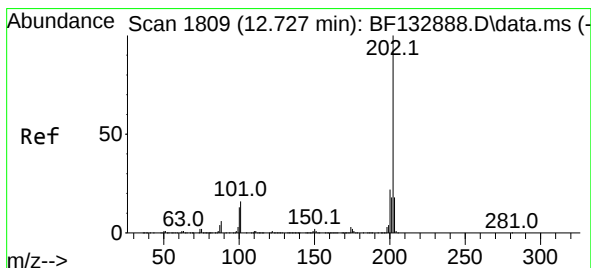
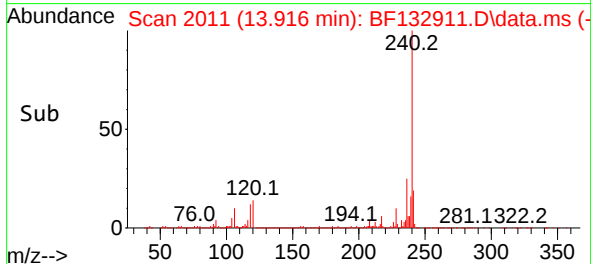
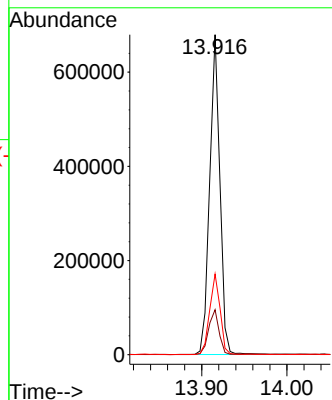
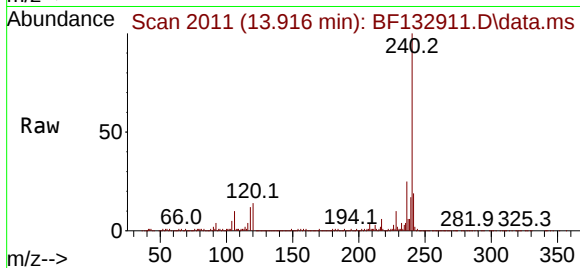




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

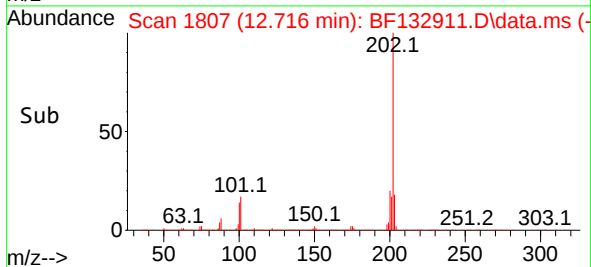
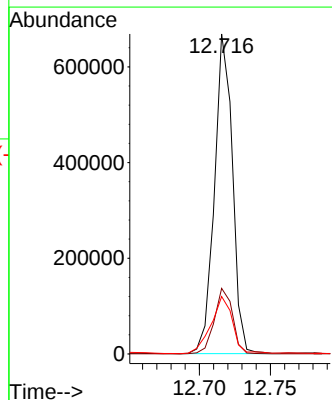
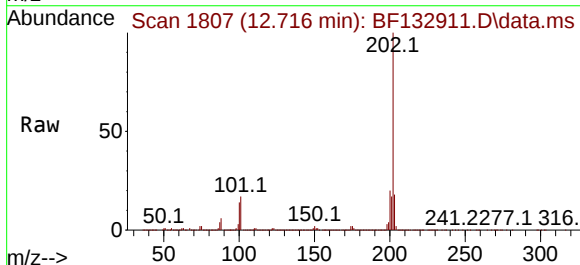
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

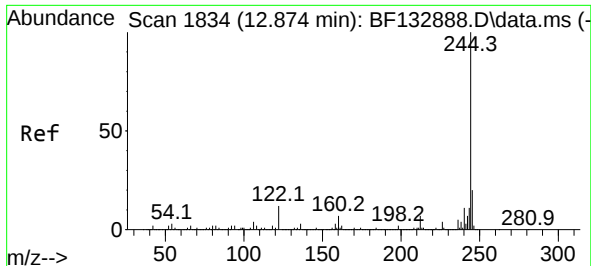
Tgt Ion:240 Resp: 565213
Ion Ratio Lower Upper
240 100
120 14.1 10.0 15.0
236 25.2 20.8 31.2



#78
Pyrene
Concen: 12.774 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:202 Resp: 590367
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.0 14.6 22.0

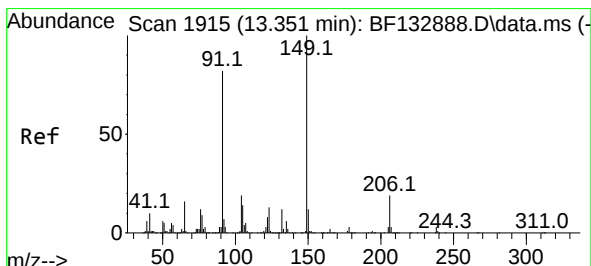
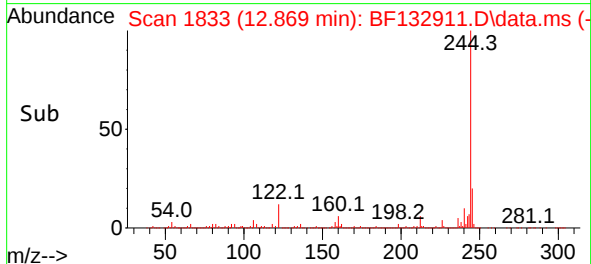
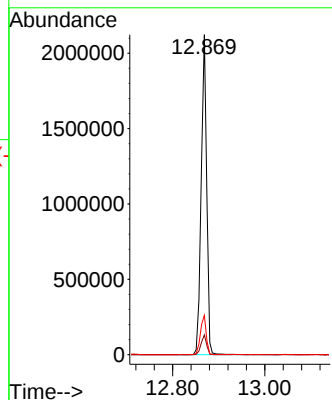
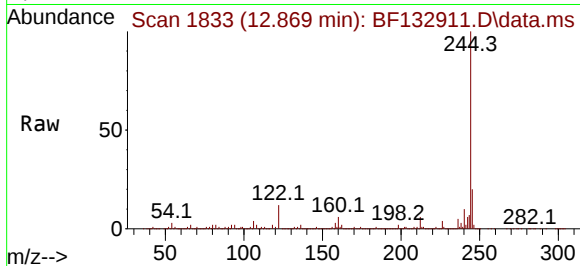




#79
 Terphenyl-d14
 Concen: 52.638 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.006 min
 Lab File: BF132911.D
 Acq: 18 Apr 2023 20:31

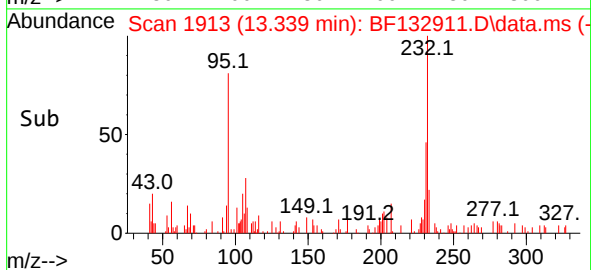
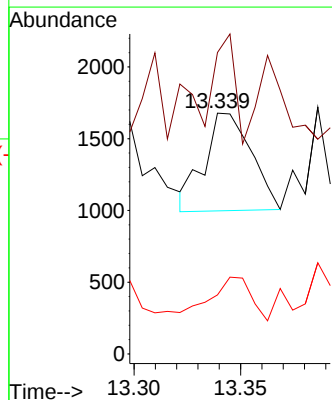
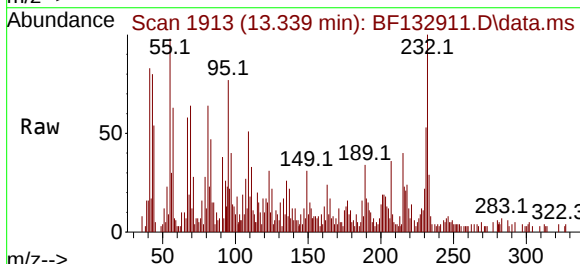
Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

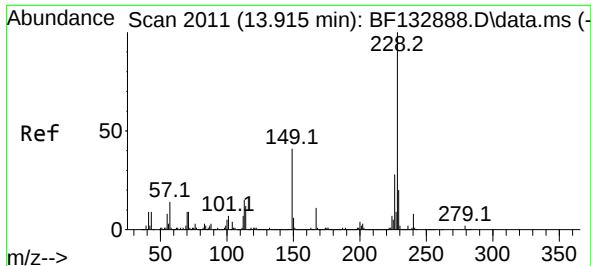
Tgt Ion:244 Resp: 1743866
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 12.3 9.6 14.4



#80
 Butylbenzylphthalate
 Concen: 5.217 ng
 RT: 13.339 min Scan# 1913
 Delta R.T. -0.012 min
 Lab File: BF132911.D
 Acq: 18 Apr 2023 20:31

Tgt Ion:149 Resp: 1042
 Ion Ratio Lower Upper
 149 100
 91 125.2 65.4 98.0#
 206 24.5 15.6 23.4#

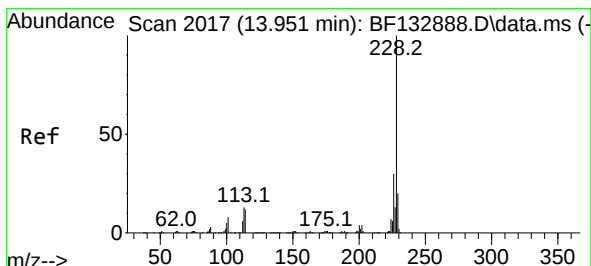
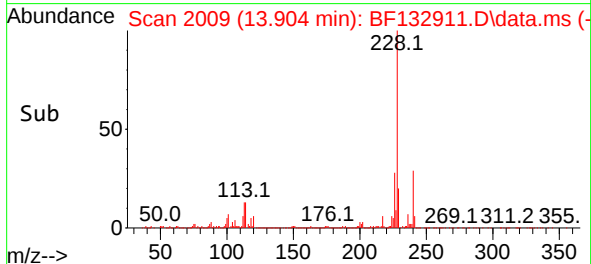
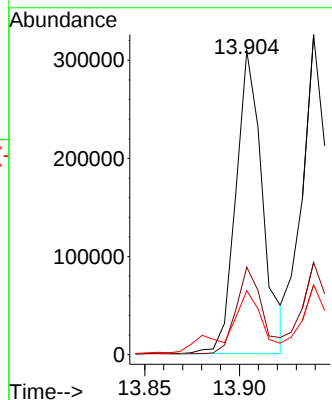
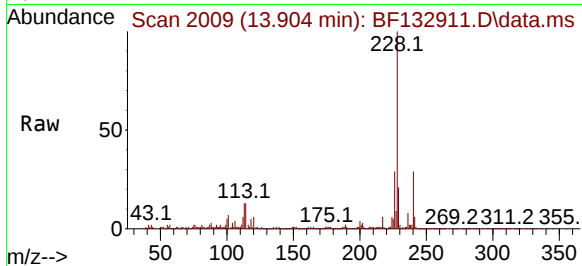




#81
Benzo(a)anthracene
Concen: 7.872 ng
RT: 13.904 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

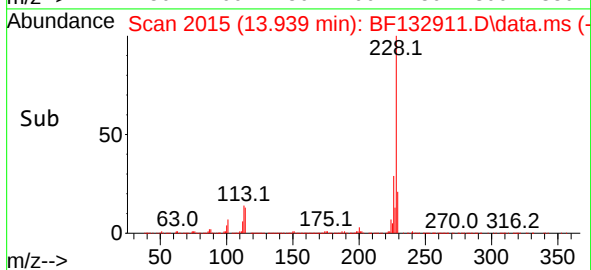
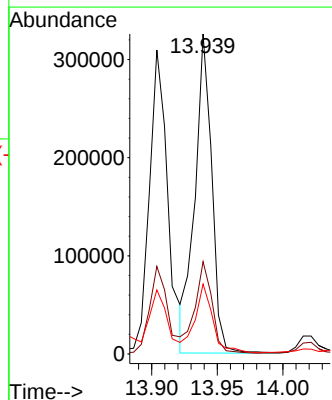
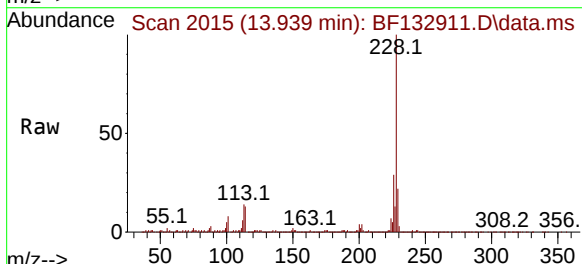
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

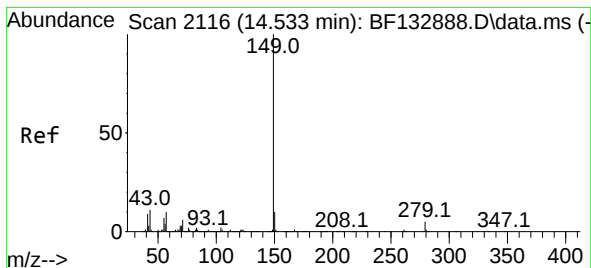
Tgt Ion:228 Resp: 302599
Ion Ratio Lower Upper
228 100
226 28.8 22.4 33.6
229 21.1 16.2 24.2



#83
Chrysene
Concen: 7.642 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF132911.D
Acq: 18 Apr 2023 20:31

Tgt Ion:228 Resp: 291974
Ion Ratio Lower Upper
228 100
226 28.8 24.3 36.5
229 21.9 16.2 24.4





#85

Di-n-octyl phthalate

Concen: 6.417 ng

RT: 14.492 min Scan# 2109

Delta R.T. -0.041 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

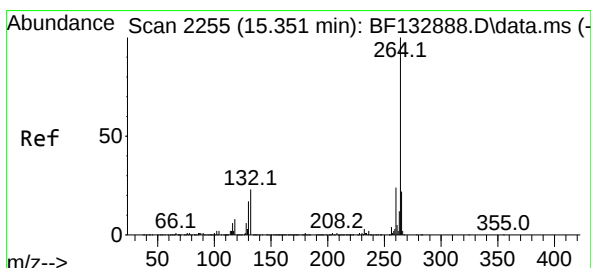
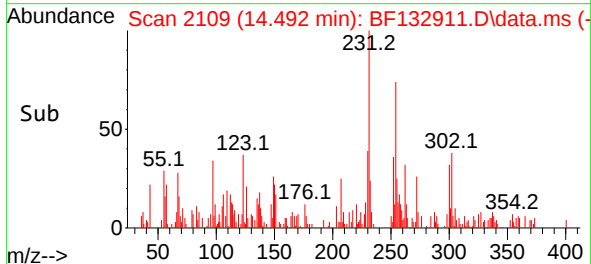
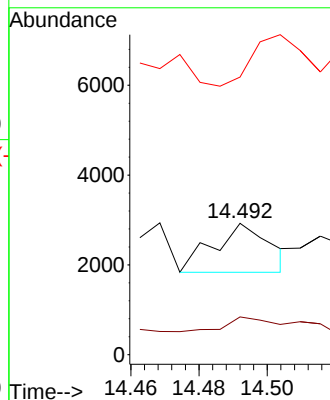
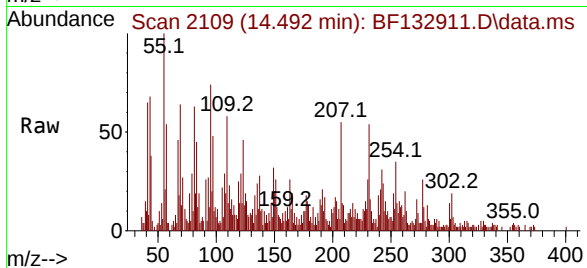
Tgt Ion:149 Resp: 1245

Ion Ratio Lower Upper

149 100

167 87.1 1.2 1.8#

43 98.1 11.5 17.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.006 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

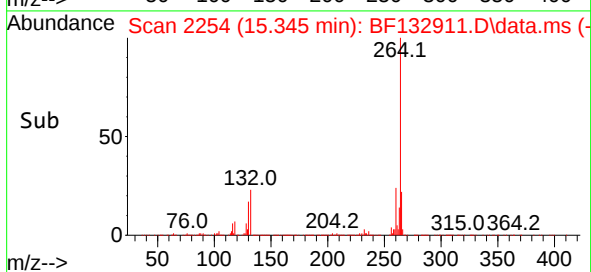
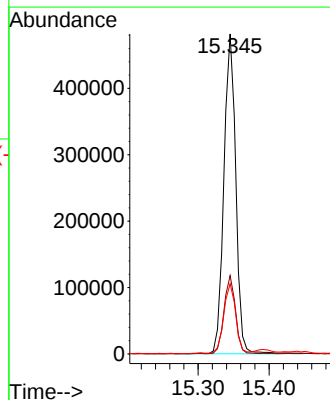
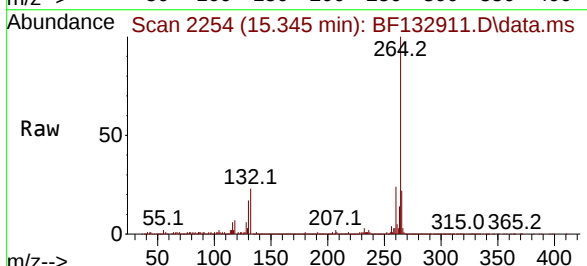
Tgt Ion:264 Resp: 555478

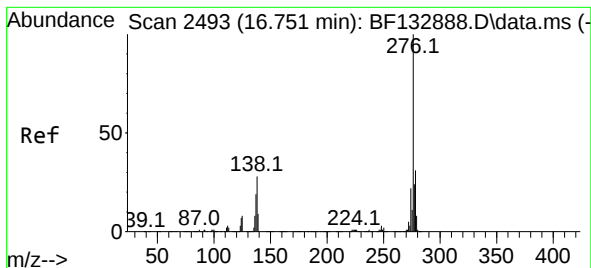
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 21.9 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.433 ng

RT: 16.727 min Scan# 2493

Delta R.T. -0.024 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

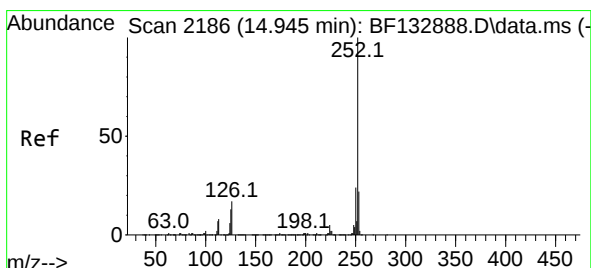
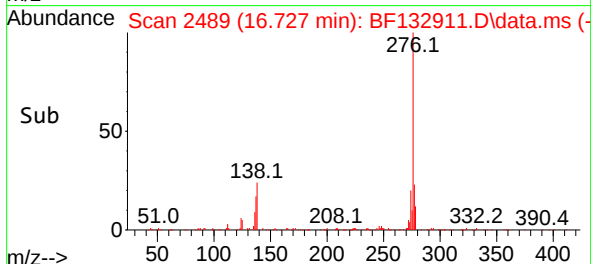
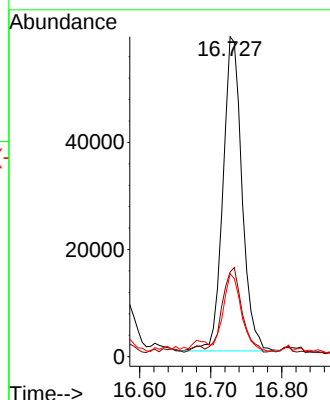
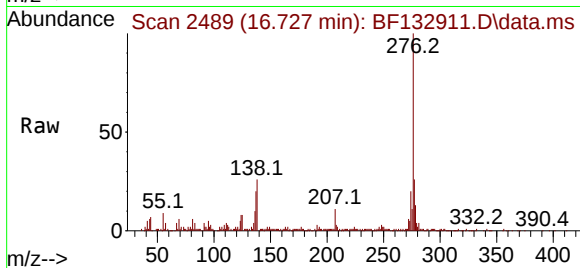
Tgt Ion:276 Resp: 108972

Ion Ratio Lower Upper

276 100

138 28.1 25.5 38.3

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 13.444 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

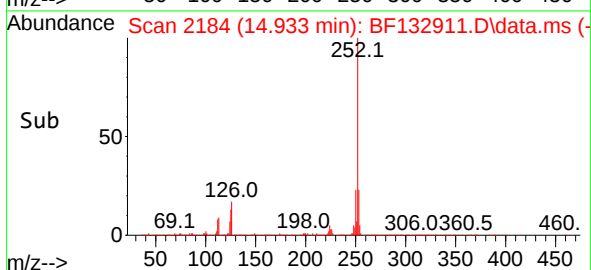
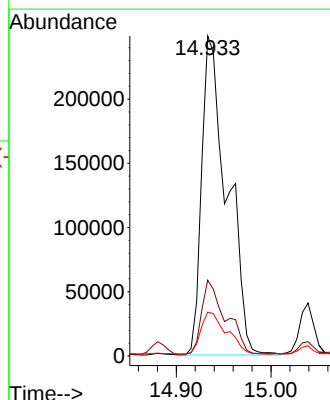
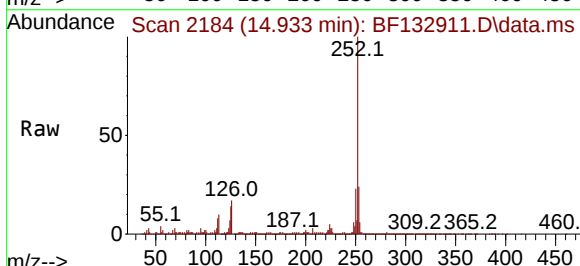
Tgt Ion:252 Resp: 465165

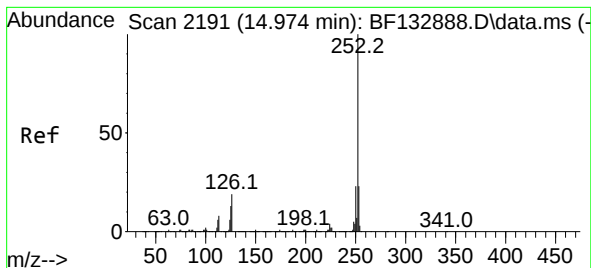
Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 13.7 10.0 15.0





#89

Benzo(k)fluoranthene

Concen: 13.496 ng

RT: 14.933 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

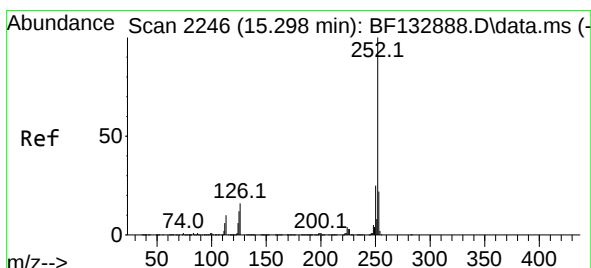
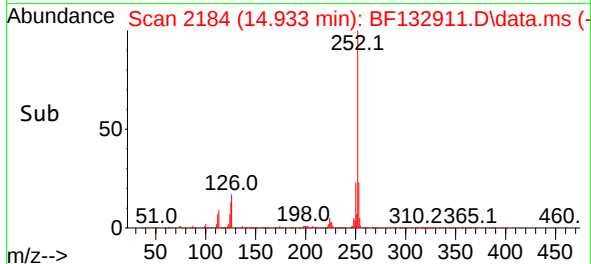
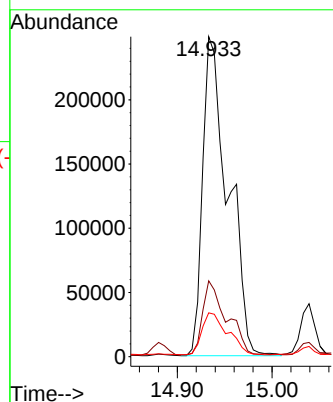
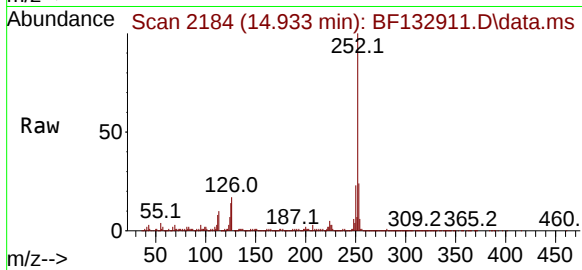
Tgt Ion:252 Resp: 465165

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 13.7 10.0 15.0



#90

Benzo(a)pyrene

Concen: 7.050 ng

RT: 15.280 min Scan# 2243

Delta R.T. -0.017 min

Lab File: BF132911.D

Acq: 18 Apr 2023 20:31

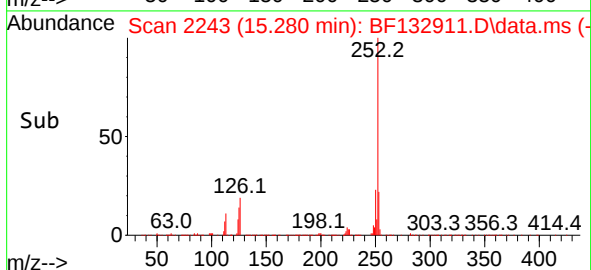
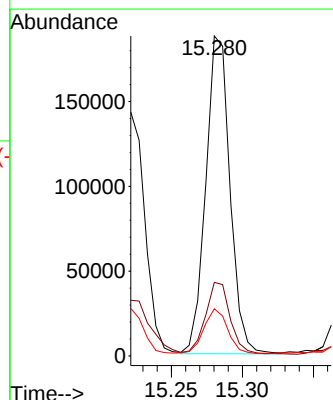
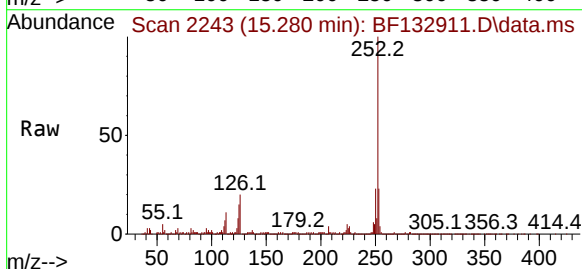
Tgt Ion:252 Resp: 222851

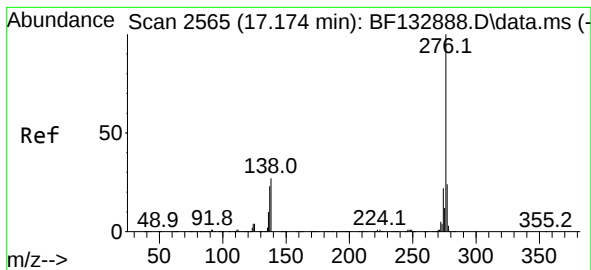
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 14.8 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 3.957 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF132911.D

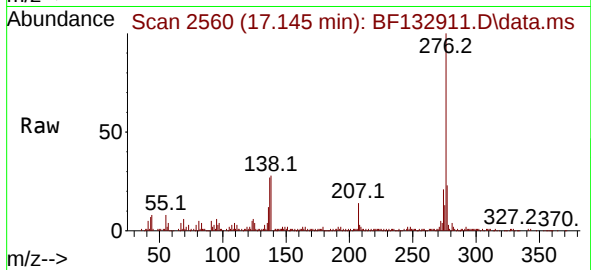
Acq: 18 Apr 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP



Tgt Ion:276 Resp: 102461

Ion Ratio Lower Upper

276 100

277 22.9 18.9 28.3

138 28.4 21.7 32.5

