

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133818.D
 Acq On : 16 Jun 2023 21:21
 Operator : CG\JU
 Sample : 03109-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Quant Time: Jun 17 00:12:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

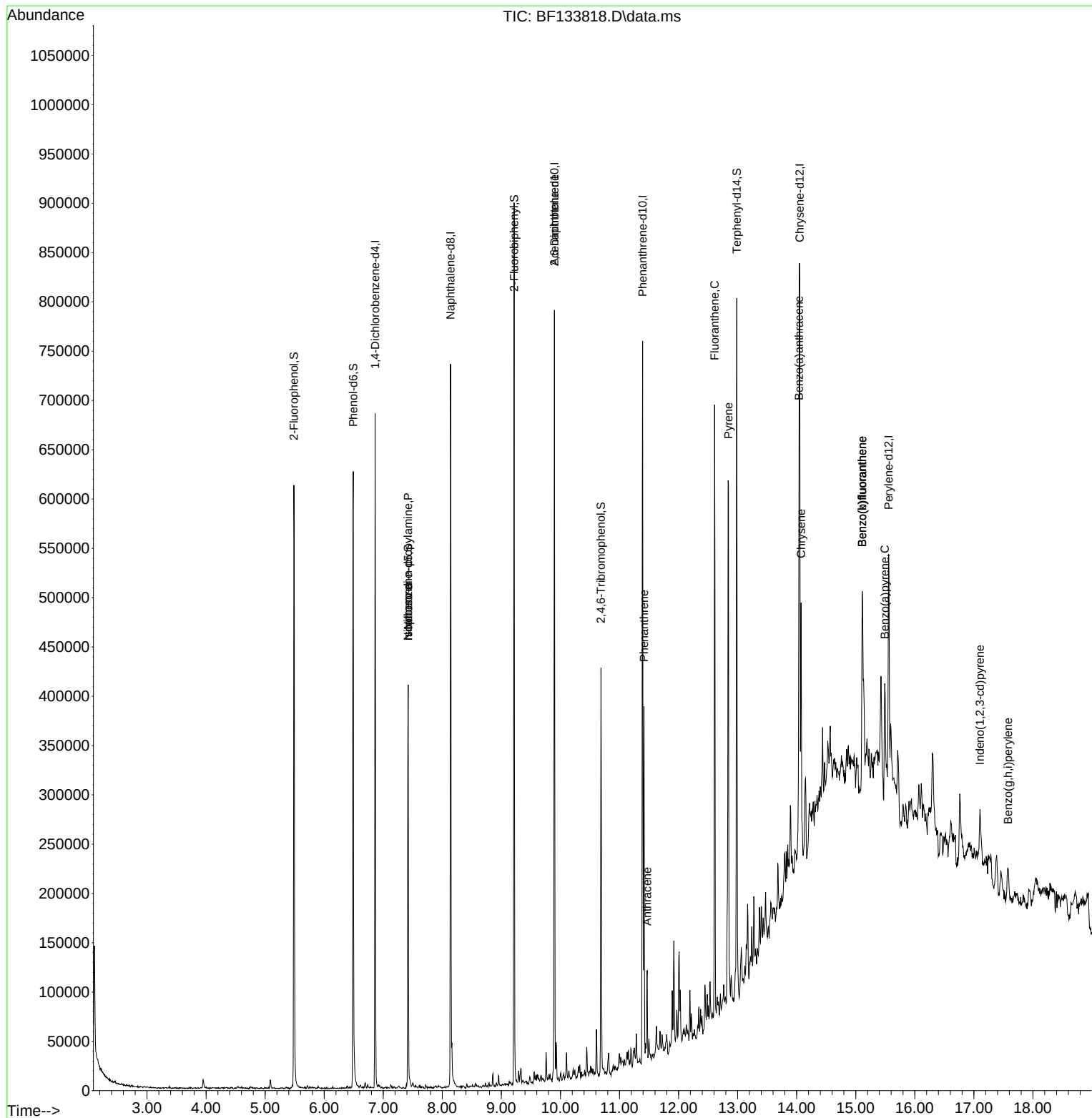
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	88381	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	312007	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	133046	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	256912	20.000	ng	0.00
76) Chrysene-d12	14.051	240	172820	20.000	ng	0.00
86) Perylene-d12	15.557	264	127770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	163888	32.282	ng	0.00
7) Phenol-d6	6.492	99	194208	29.389	ng	0.00
23) Nitrobenzene-d5	7.422	82	118131	20.622	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	43169	25.633	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	242159	25.873	ng	0.00
79) Terphenyl-d14	12.986	244	226398	20.271	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	16225	3.859	ng	# 81
25) Isophorone	7.422	82	118131	11.233	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	17782	8.675	ng	# 29
71) Phenanthrene	11.416	178	123673	9.488	ng	98
72) Anthracene	11.469	178	35779	2.633	ng	99
75) Fluoranthene	12.610	202	239868	17.329	ng	99
78) Pyrene	12.845	202	237306	14.741	ng	98
81) Benzo(a)anthracene	14.039	228	114857	9.608	ng	93
83) Chrysene	14.074	228	98110	8.677	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	39383	4.480	ng	99
88) Benzo(b)fluoranthene	15.110	252	127086	16.374	ng	# 91
89) Benzo(k)fluoranthene	15.110	252	127086	16.809	ng	# 91
90) Benzo(a)pyrene	15.492	252	59640	8.280	ng	# 92
92) Benzo(g,h,i)perylene	17.580	276	35086	4.863	ng	99

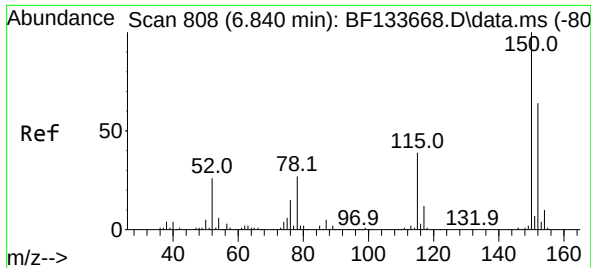
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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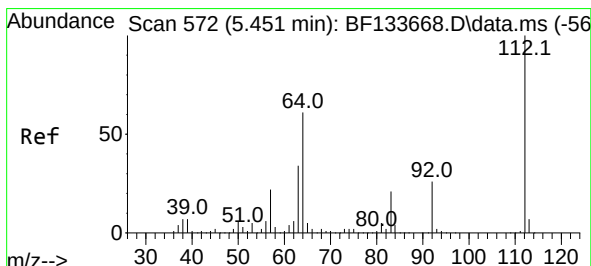
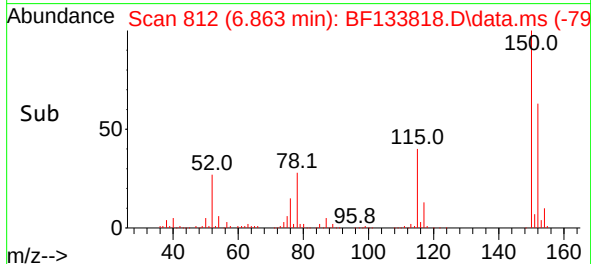
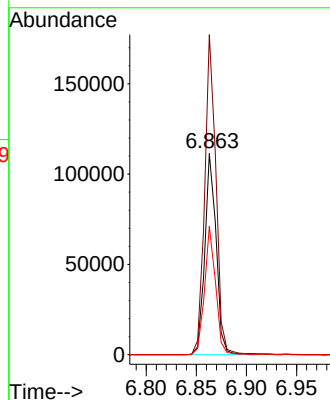
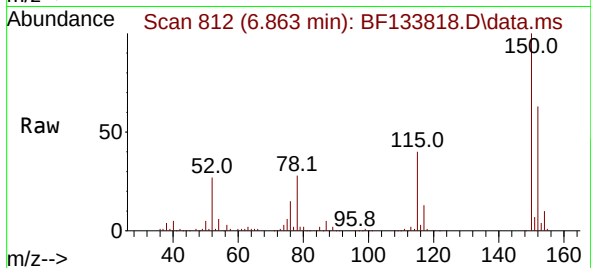




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

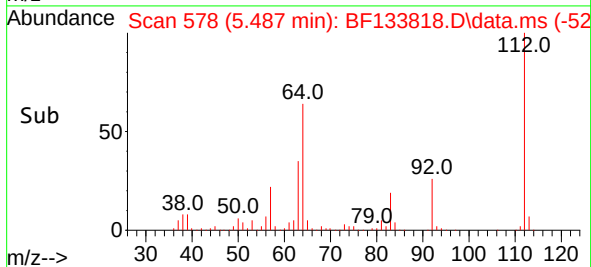
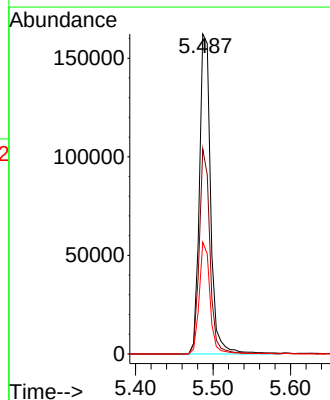
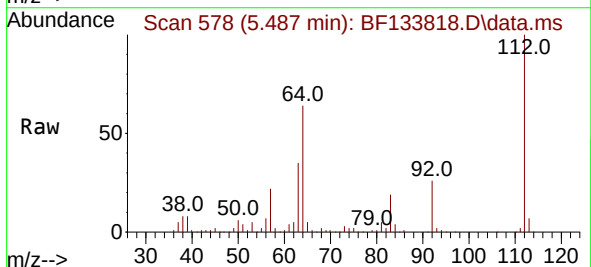
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

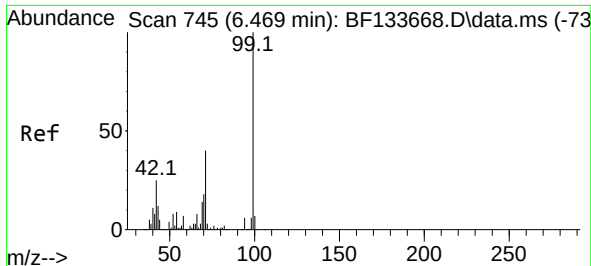
Tgt Ion:152 Resp: 88381
Ion Ratio Lower Upper
152 100
150 159.0 124.3 186.5
115 63.7 48.5 72.7



#5
2-Fluorophenol
Concen: 32.282 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:112 Resp: 163888
Ion Ratio Lower Upper
112 100
64 64.1 49.0 73.4
63 34.9 26.8 40.2

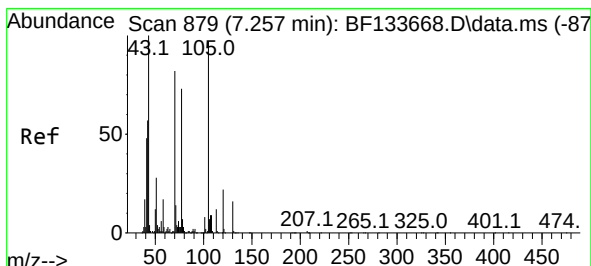
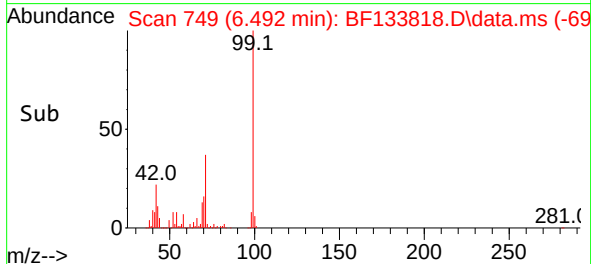
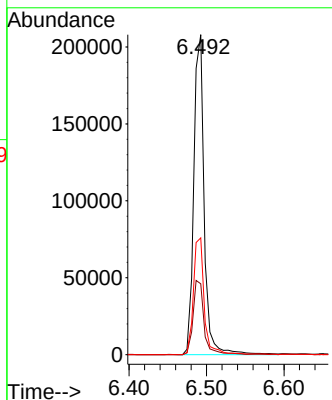
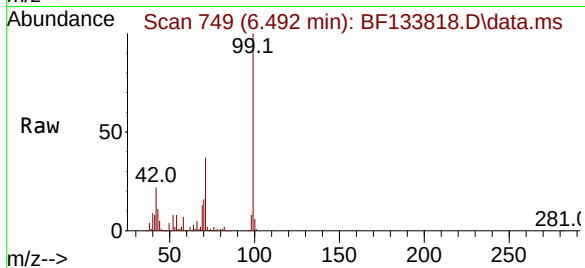




#7
Phenol-d6
Concen: 29.389 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

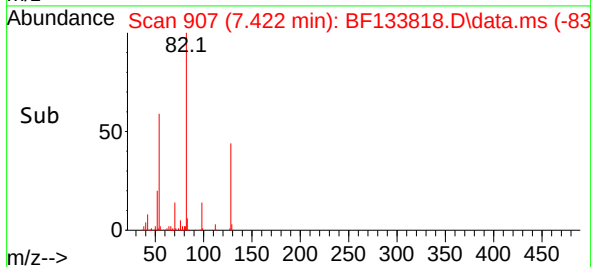
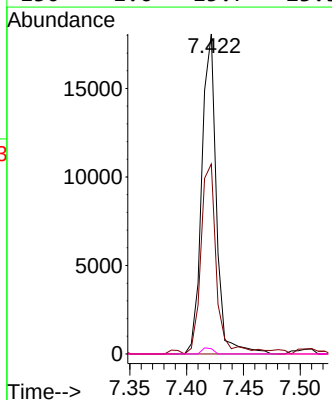
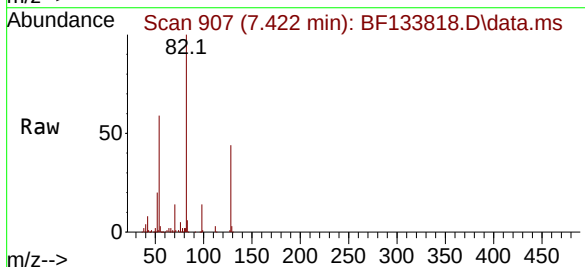
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

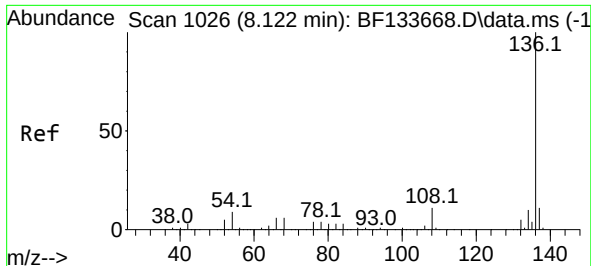
Tgt Ion: 99 Resp: 194208
Ion Ratio Lower Upper
99 100
42 22.1 19.9 29.9
71 36.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.859 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion: 70 Resp: 16225
Ion Ratio Lower Upper
70 100
42 59.4 55.8 83.8
101 0.0 8.1 12.1#
130 1.6 15.7 23.5#

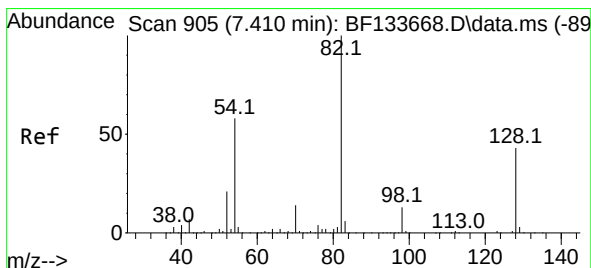
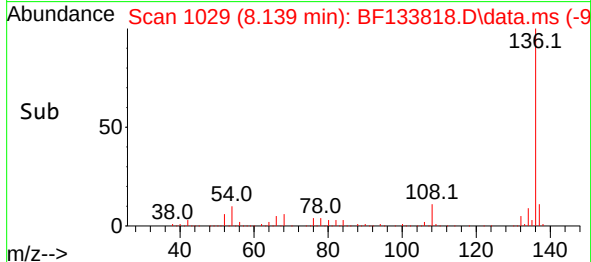
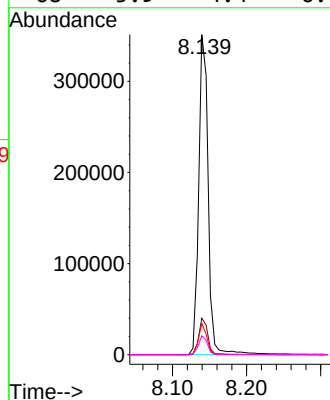
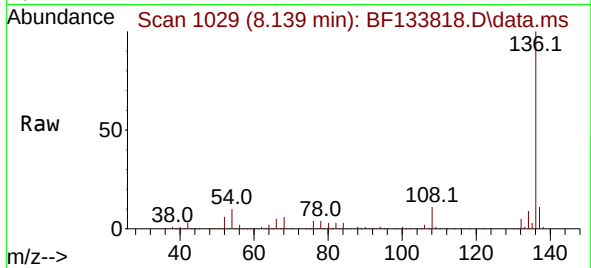




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

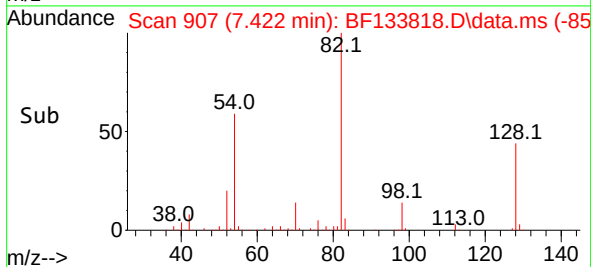
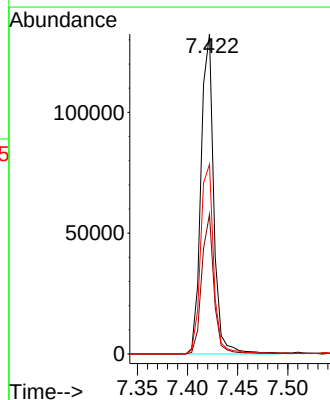
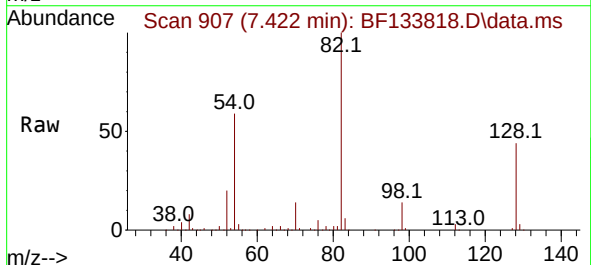
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

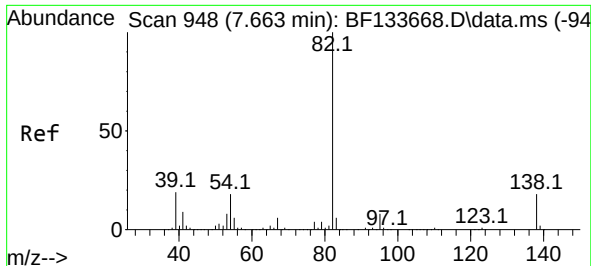
Tgt Ion:136 Resp: 312007
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.7 7.4 11.0
68 5.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 20.622 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion: 82 Resp: 118131
Ion Ratio Lower Upper
82 100
128 43.7 34.2 51.2
54 59.2 46.5 69.7

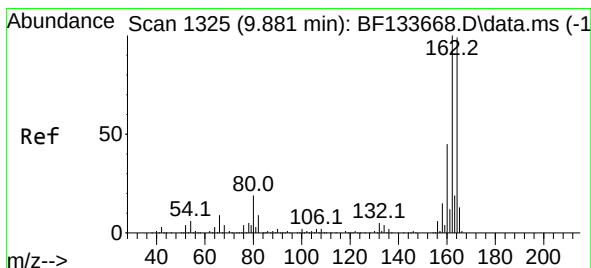
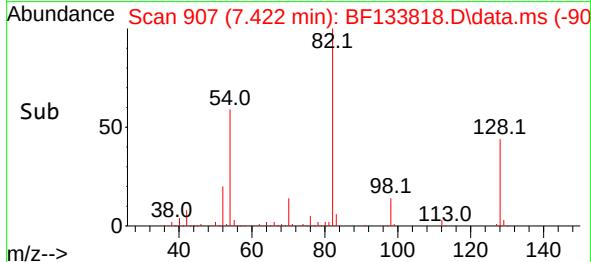
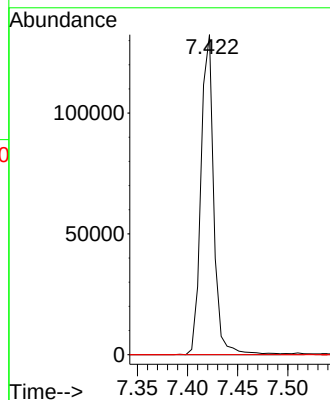
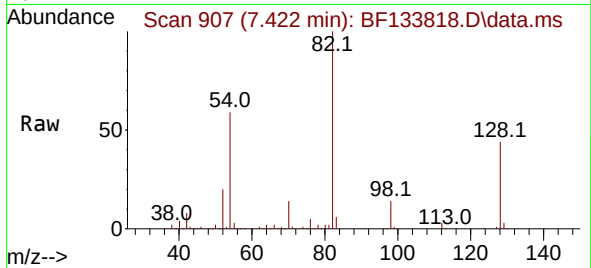




#25
Isophorone
Concen: 11.233 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

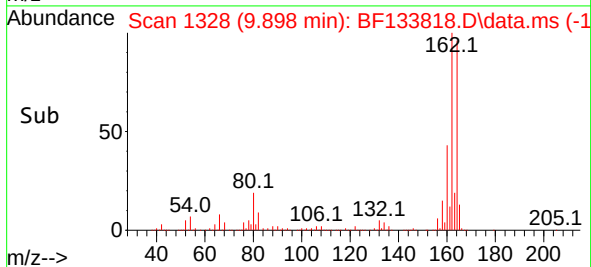
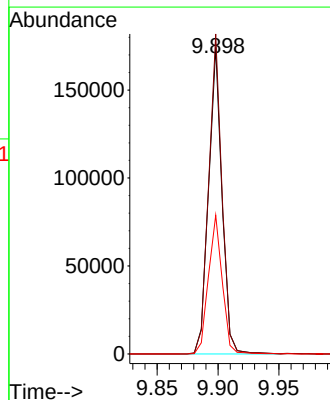
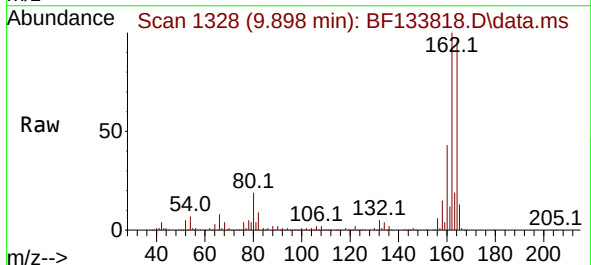
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

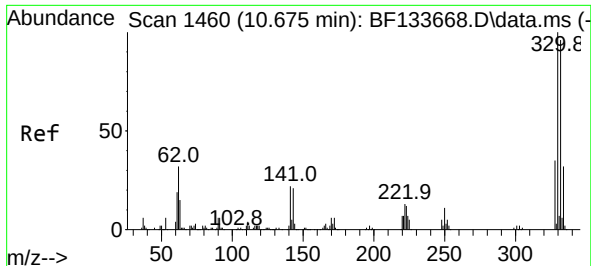
Tgt Ion: 82 Resp: 118131
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:164 Resp: 133046
Ion Ratio Lower Upper
164 100
162 104.4 80.8 121.2
160 45.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 25.633 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133818.D

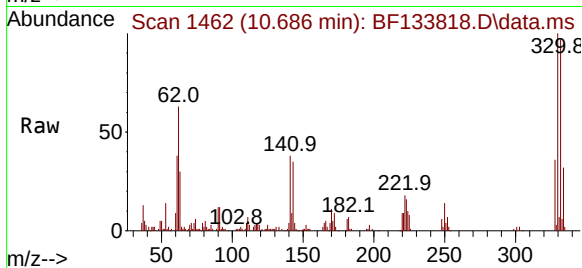
Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP



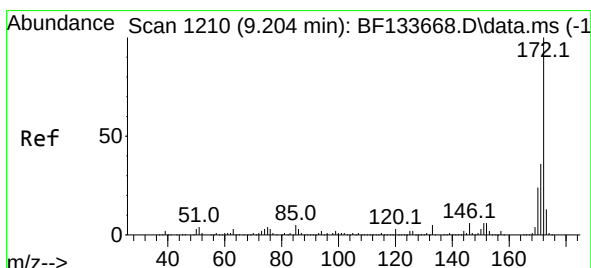
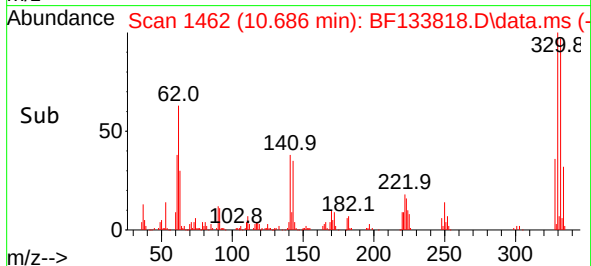
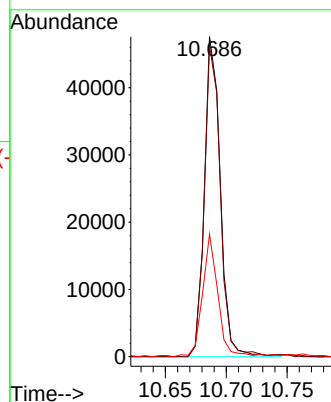
Tgt Ion:330 Resp: 43169

Ion Ratio Lower Upper

330 100

332 97.4 77.2 115.8

141 37.4 24.9 37.3#



#45

2-Fluorobiphenyl

Concen: 25.873 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

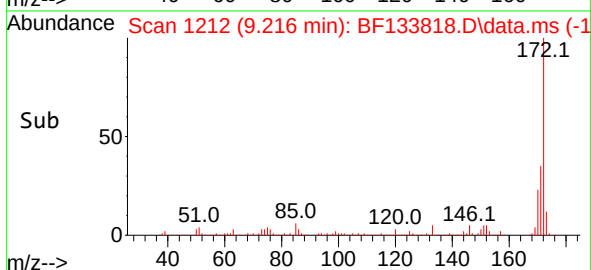
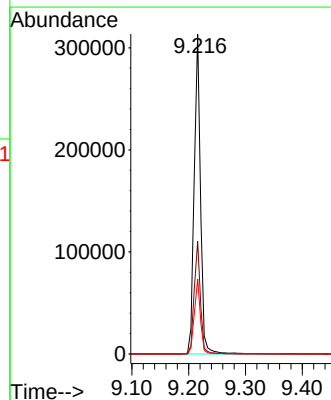
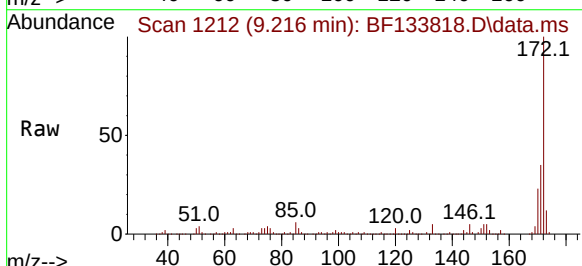
Tgt Ion:172 Resp: 242159

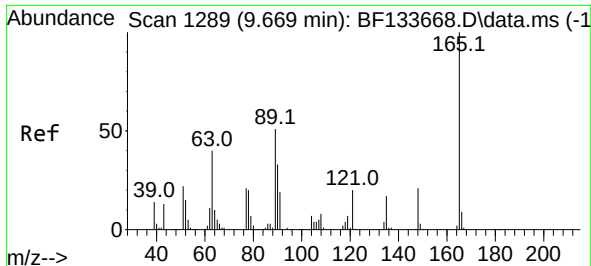
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.4 19.1 28.7

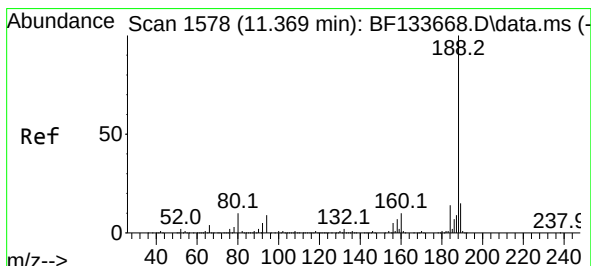
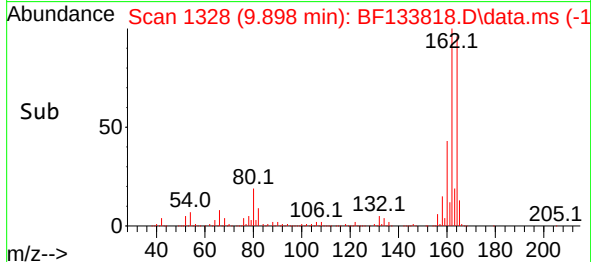
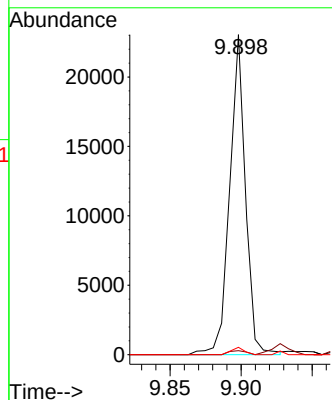
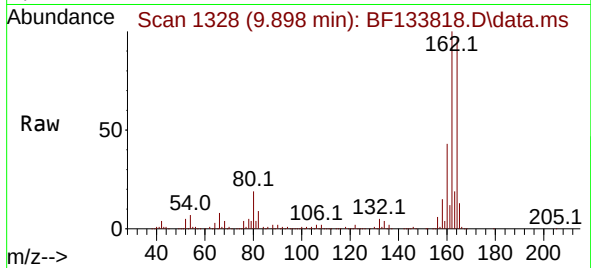




#51
2,6-Dinitrotoluene
Concen: 8.675 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

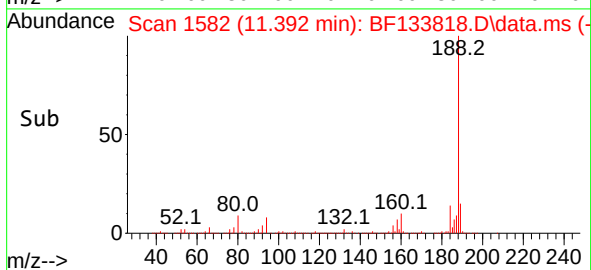
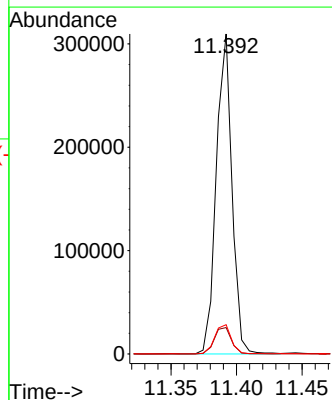
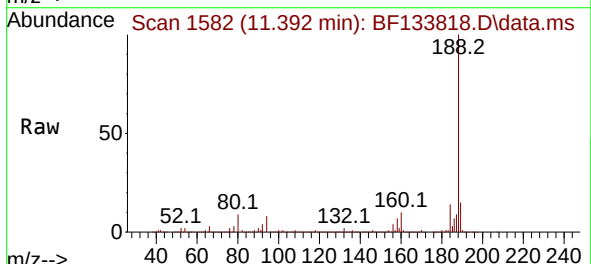
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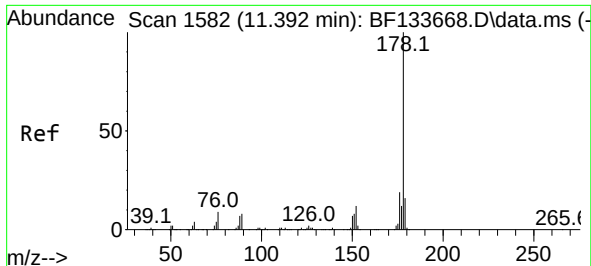
Tgt Ion:165 Resp: 17782
Ion Ratio Lower Upper
165 100
63 1.2 42.1 63.1#
89 2.3 40.9 61.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:188 Resp: 256912
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.1 7.8 11.6

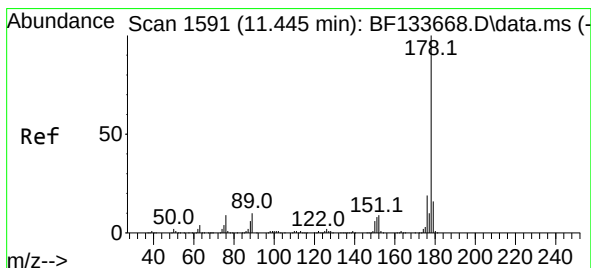
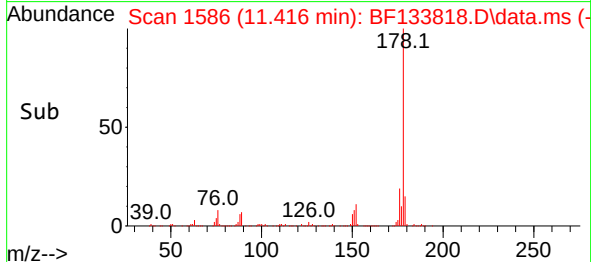
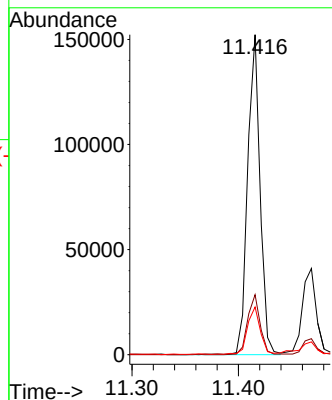
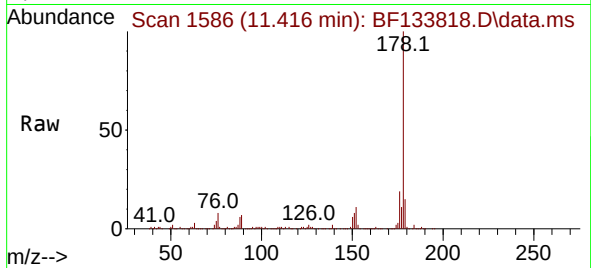




#71
Phenanthrene
Concen: 9.488 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

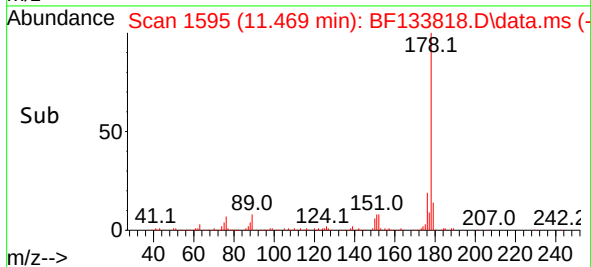
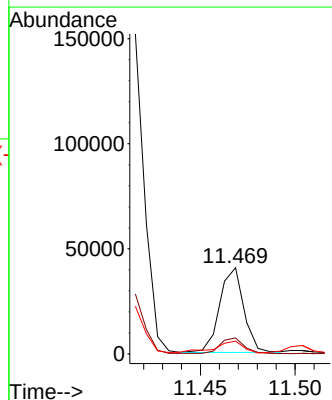
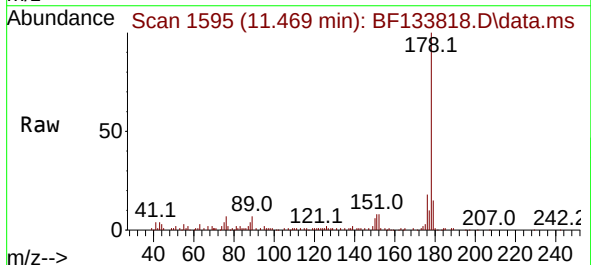
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

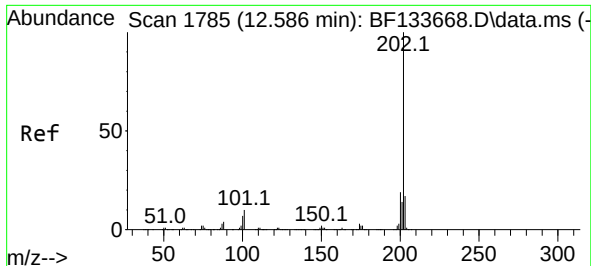
Tgt Ion:178 Resp: 123673
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.9 12.4 18.6



#72
Anthracene
Concen: 2.633 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:178 Resp: 35779
Ion Ratio Lower Upper
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176 18.5 15.1 22.7
179 14.9 12.6 18.8

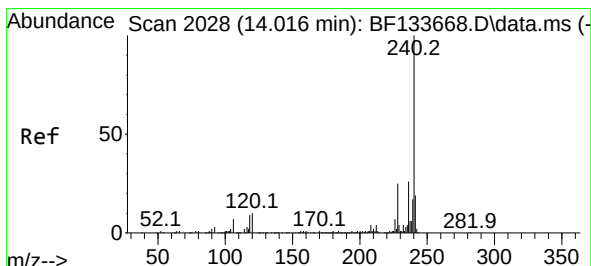
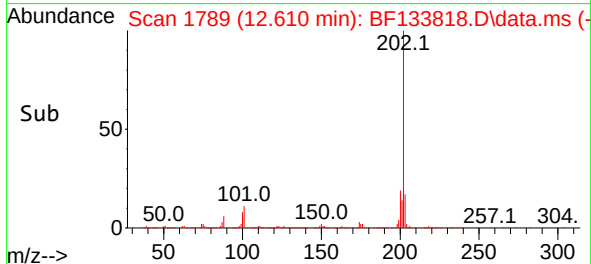
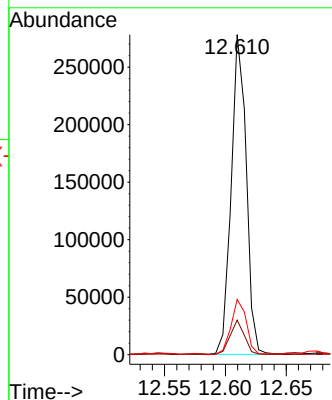
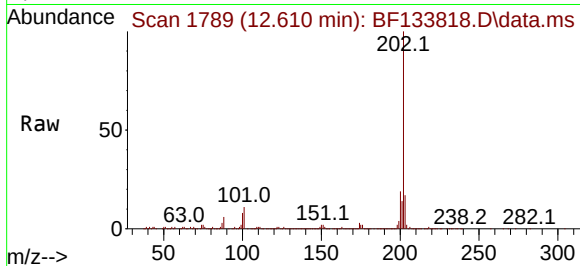




#75
Fluoranthene
Concen: 17.329 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

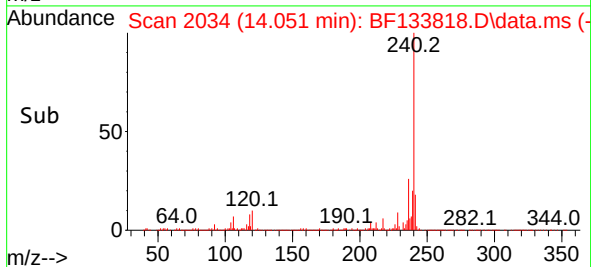
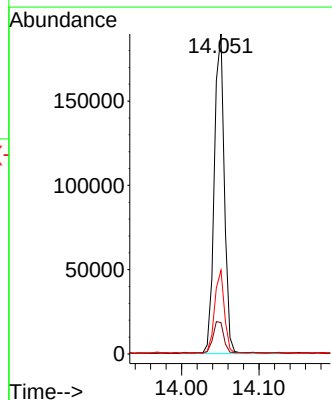
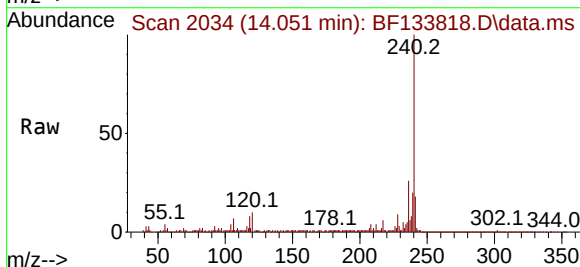
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

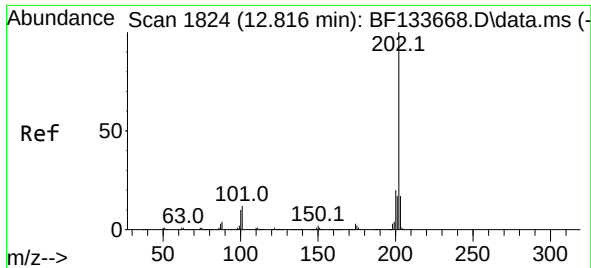
Tgt Ion:202 Resp: 239868
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133818.D
Acq: 16 Jun 2023 21:21

Tgt Ion:240 Resp: 172820
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 26.1 20.5 30.7

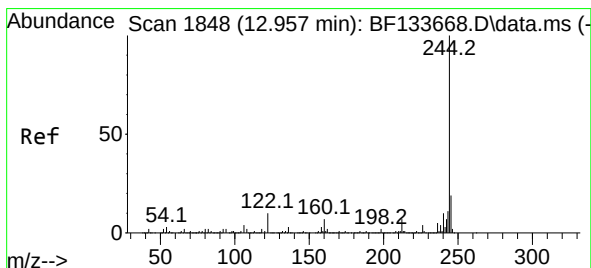
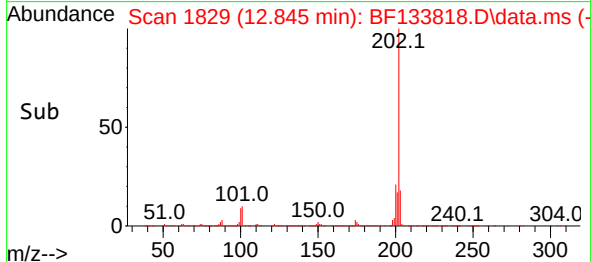
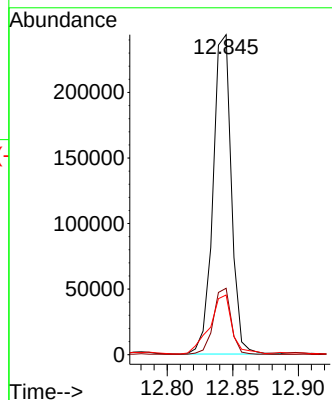
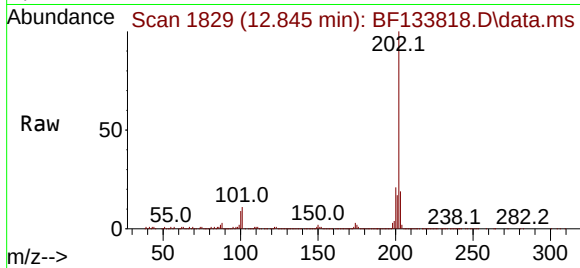




#78
 Pyrene
 Concen: 14.741 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

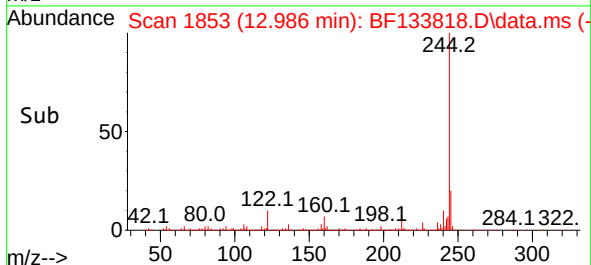
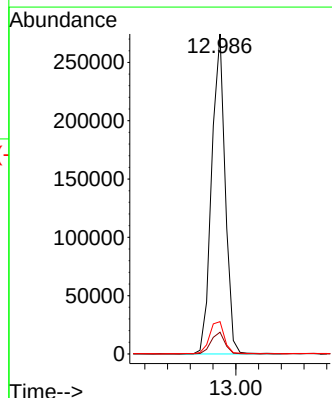
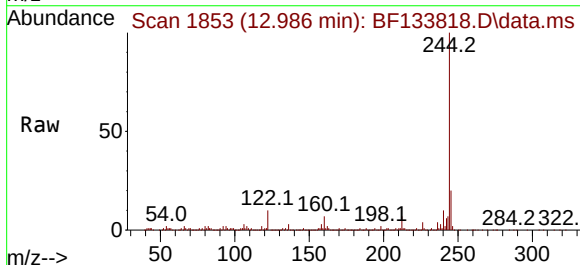
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

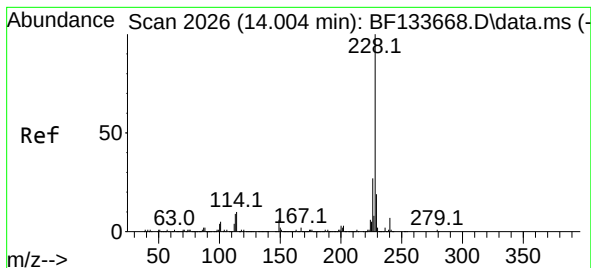
Tgt Ion:202 Resp: 237306
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.2 24.2
 203 18.7 13.9 20.9



#79
 Terphenyl-d14
 Concen: 20.271 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF133818.D
 Acq: 16 Jun 2023 21:21

Tgt Ion:244 Resp: 226398
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.1 8.1 12.1





#81

Benzo(a)anthracene

Concen: 9.608 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

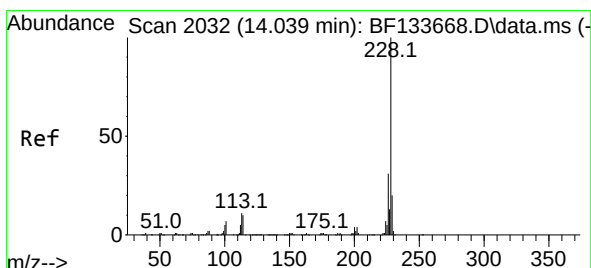
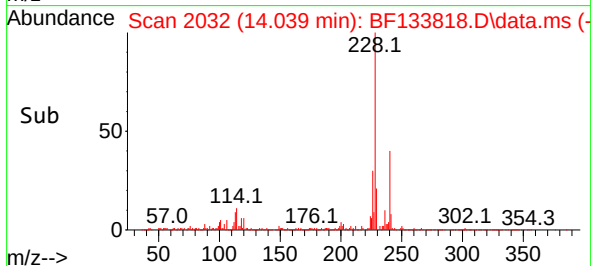
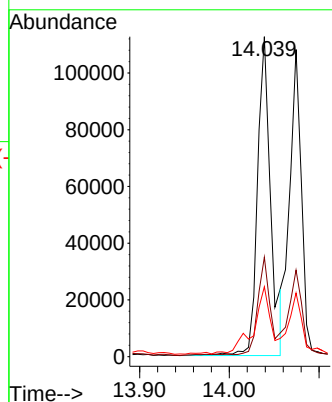
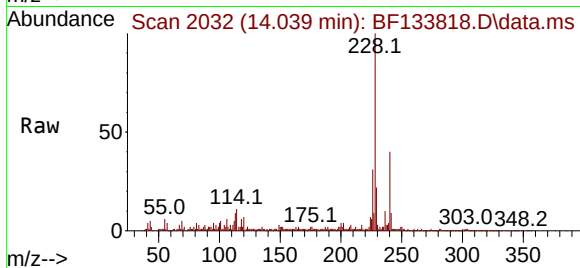
Tgt Ion:228 Resp: 114857

Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 21.9 15.4 23.2



#83

Chrysene

Concen: 8.677 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

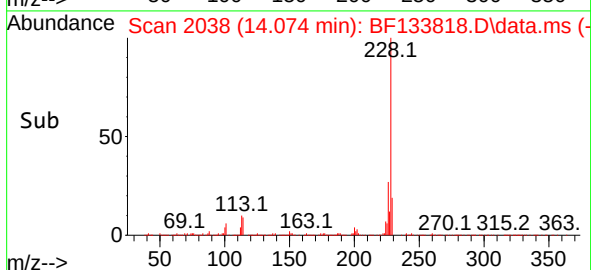
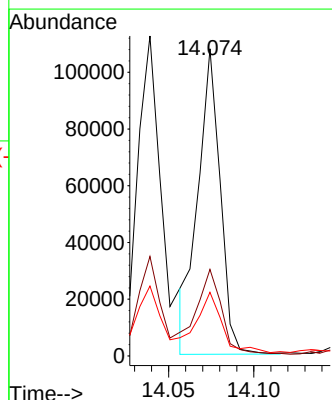
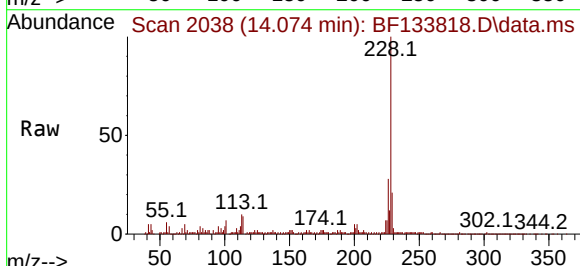
Tgt Ion:228 Resp: 98110

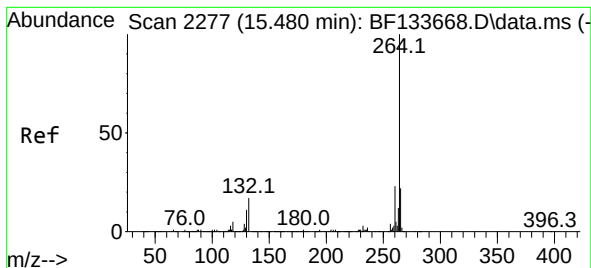
Ion Ratio Lower Upper

228 100

226 28.2 25.0 37.6

229 20.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

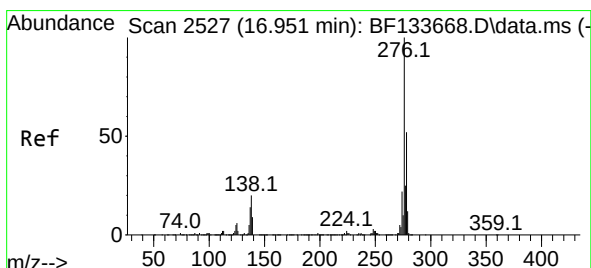
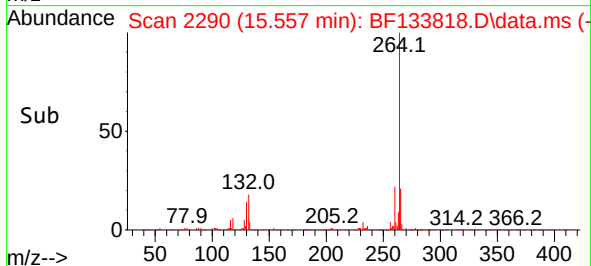
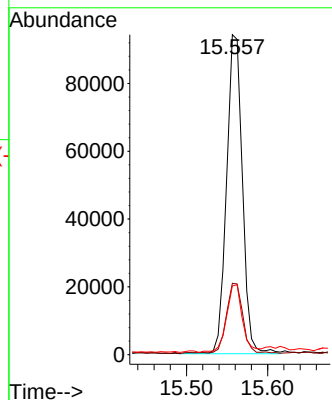
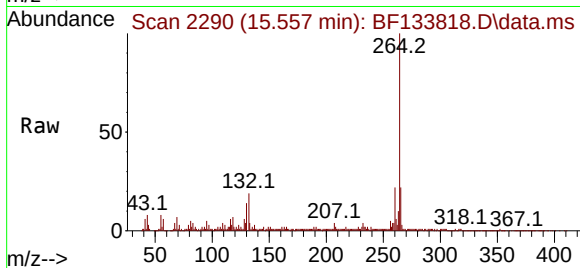
Tgt Ion:264 Resp: 127770

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.2

265 21.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.480 ng

RT: 17.103 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

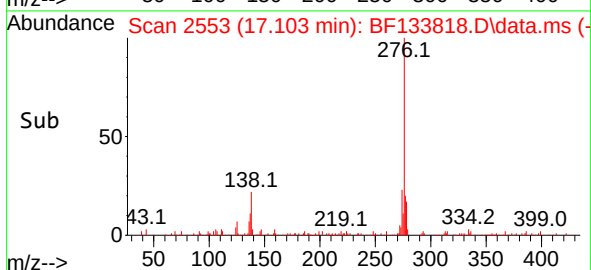
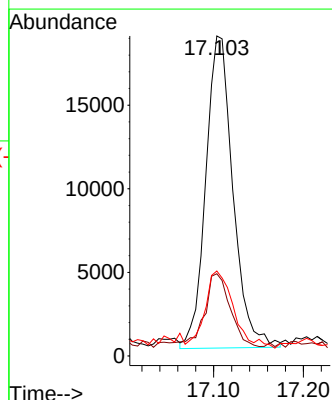
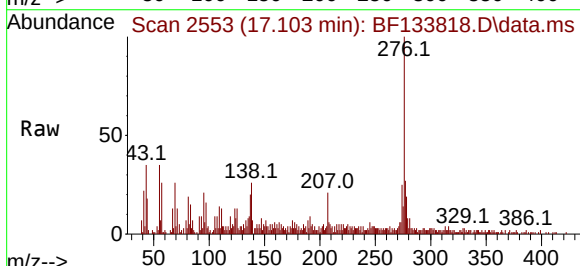
Tgt Ion:276 Resp: 39383

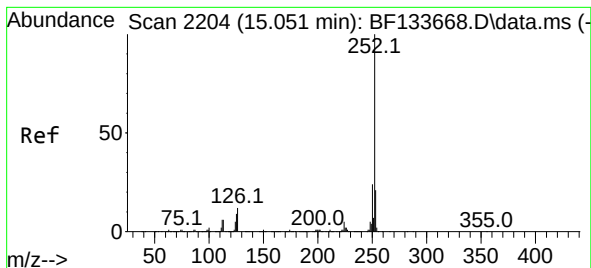
Ion Ratio Lower Upper

276 100

138 21.9 17.9 26.9

277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 16.374 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

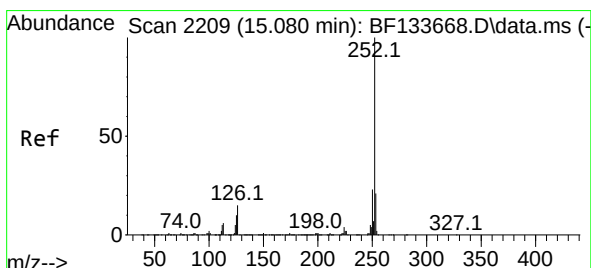
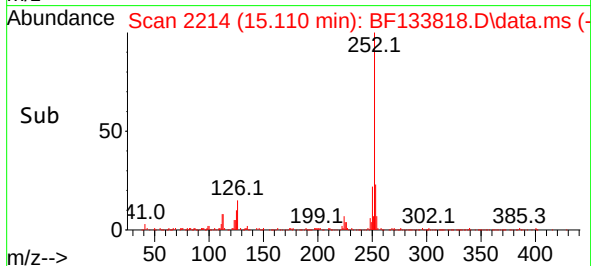
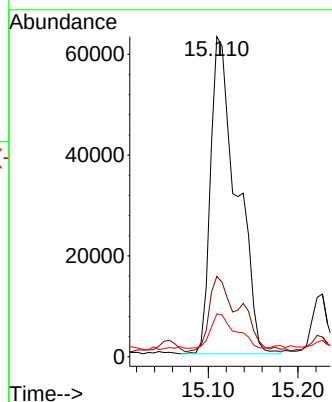
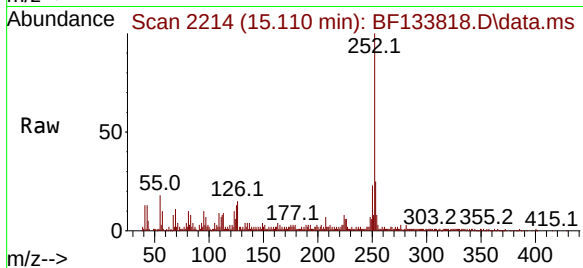
Tgt Ion:252 Resp: 127086

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

125 13.4 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 16.809 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.035 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

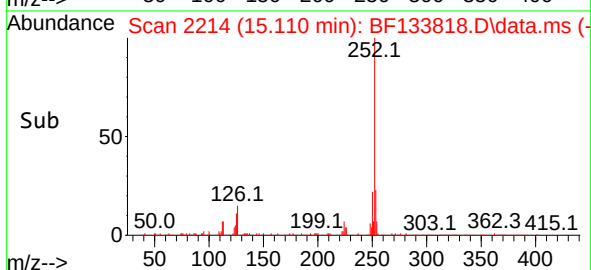
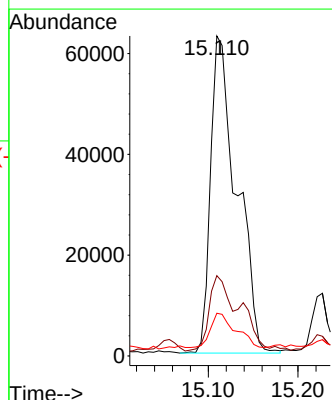
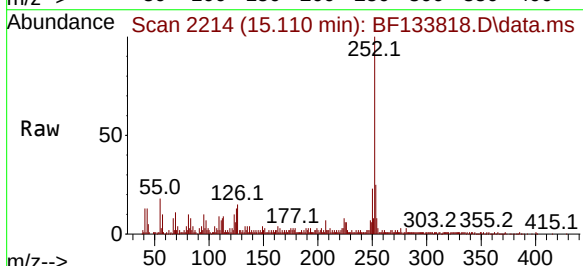
Tgt Ion:252 Resp: 127086

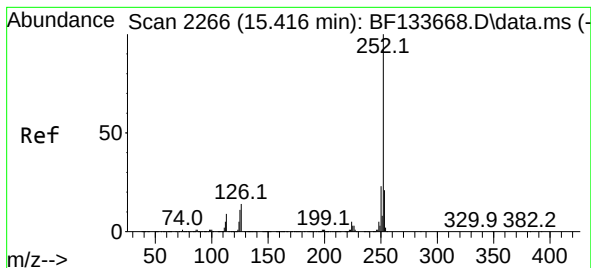
Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.4

125 13.4 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 8.280 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

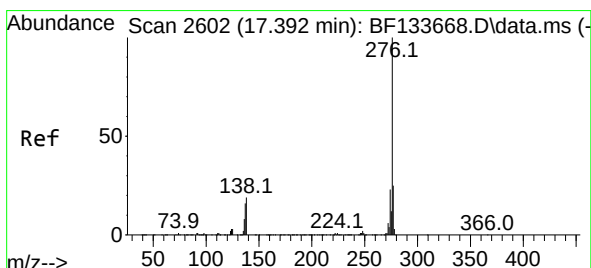
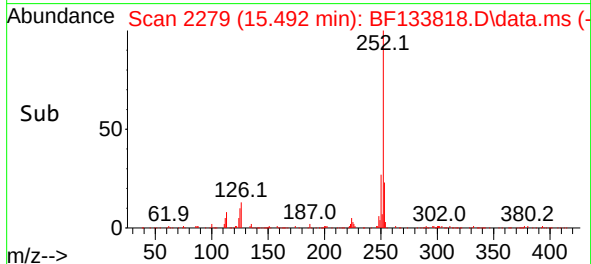
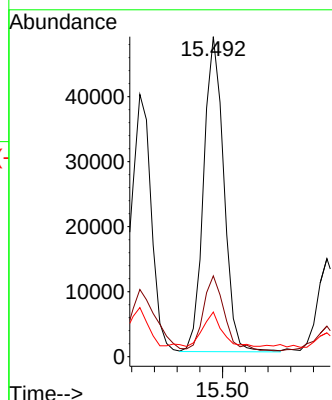
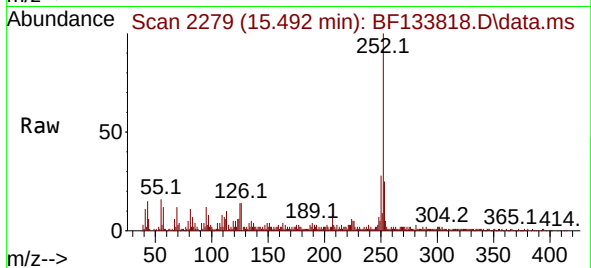
Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

Tgt Ion:	252	Resp:	59640
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	14.0	8.6	13.0



#92

Benzo(g,h,i)perylene

Concen: 4.863 ng

RT: 17.580 min Scan# 2634

Delta R.T. -0.012 min

Lab File: BF133818.D

Acq: 16 Jun 2023 21:21

Tgt Ion:	276	Resp:	35086
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.8	29.8
138	19.6	15.0	22.4

