

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132047.D
 Acq On : 12 Jan 2023 18:14
 Operator : CG\JU
 Sample : 01125-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-04-SB01

Quant Time: Jan 13 01:36:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

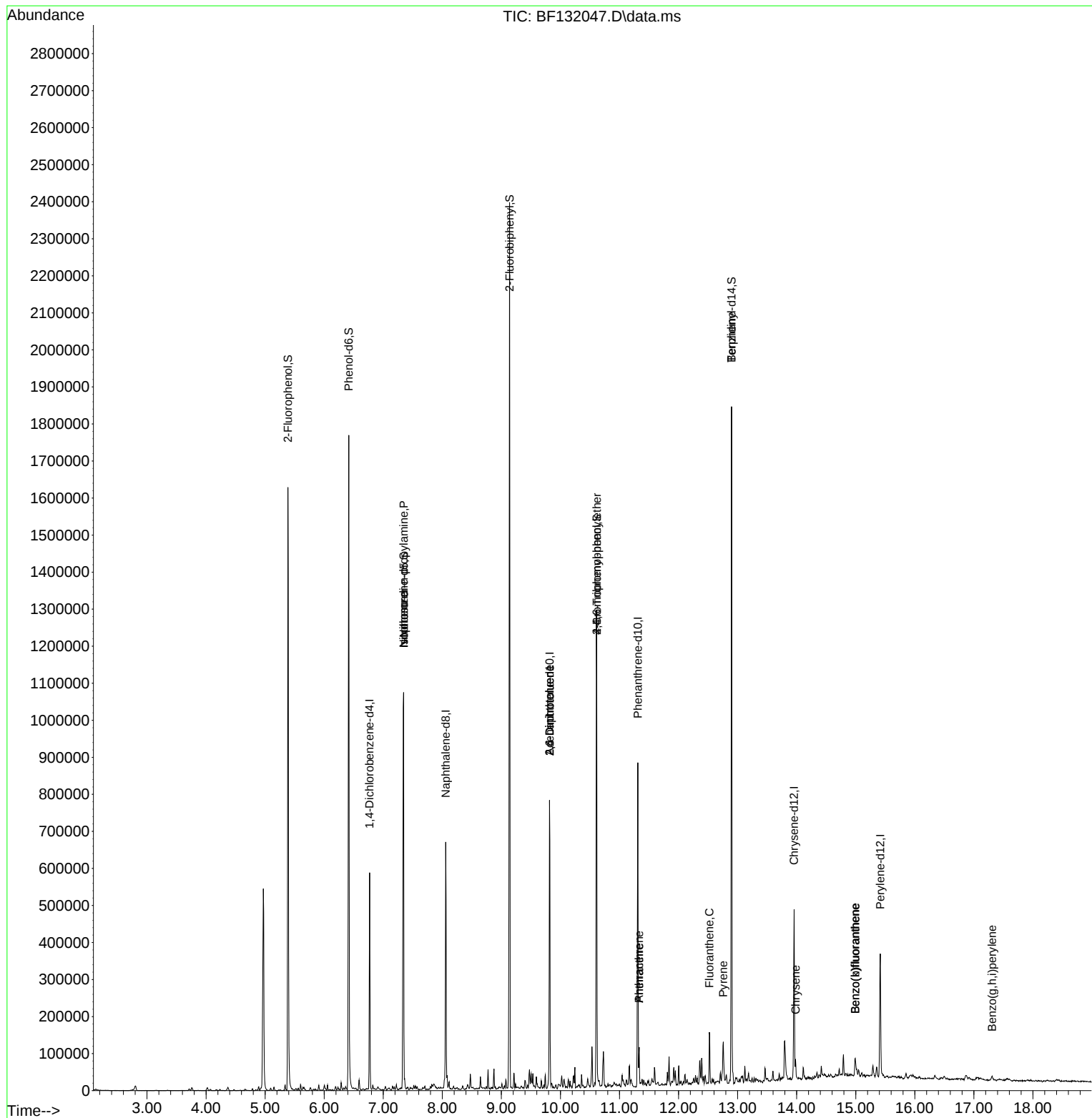
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	71901	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	262887	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	151791	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	273075	20.000	ng	0.00
76) Chrysene-d12	13.957	240	135625	20.000	ng	0.00
86) Perylene-d12	15.415	264	148794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	413251	94.706	ng	0.00
7) Phenol-d6	6.416	99	528797	91.401	ng	0.00
23) Nitrobenzene-d5	7.345	82	391725	61.844	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	134779	77.225	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	659563	58.659	ng	0.00
79) Terphenyl-d14	12.898	244	544134	57.504	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	55661	13.300	ng	# 75
25) Isophorone	7.345	82	389964	32.955	ng	# 69
51) 2,6-Dinitrotoluene	9.816	165	20728	8.329	ng	# 23
57) 2,4-Dinitrotoluene	9.816	165	20728	6.230	ng	# 14
67) 4-Bromophenyl-phenylether	10.616	248	9454	2.767	ng	# 1
71) Phenanthrene	11.333	178	34333	2.412	ng	98
72) Anthracene	11.333	178	34333	2.343	ng	98
75) Fluoranthene	12.522	202	50684	3.166	ng	99
77) Benzidine	12.898	184	9038	2.006	ng	# 94
78) Pyrene	12.757	202	44892	3.629	ng	99
83) Chrysene	13.980	228	19485	2.113	ng	99
88) Benzo(b)fluoranthene	14.992	252	31663	3.103	ng	# 94
89) Benzo(k)fluoranthene	14.992	252	31663	3.109	ng	# 93
92) Benzo(g,h,i)perylene	17.309	276	8622	4.500	ng	# 94

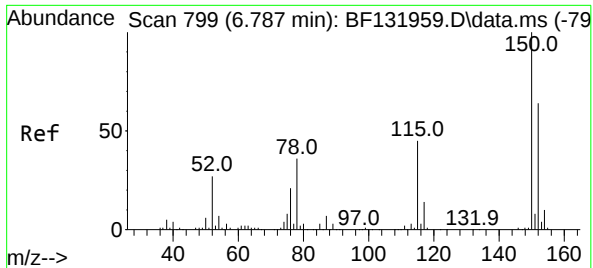
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
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Instrument :
BNA_F
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Quant Time: Jan 13 01:36:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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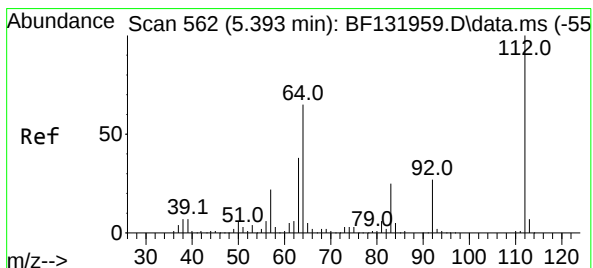
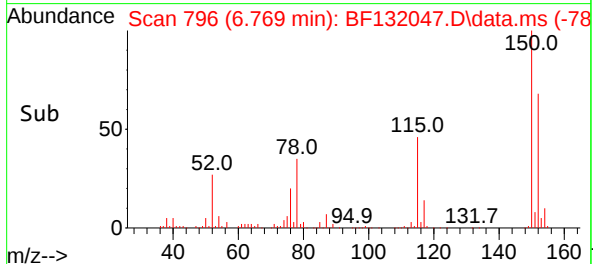
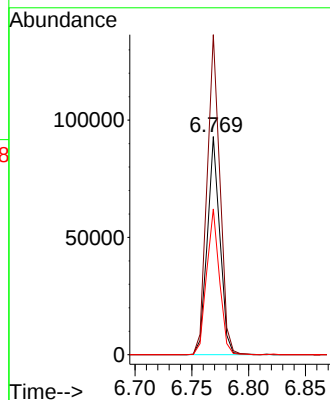
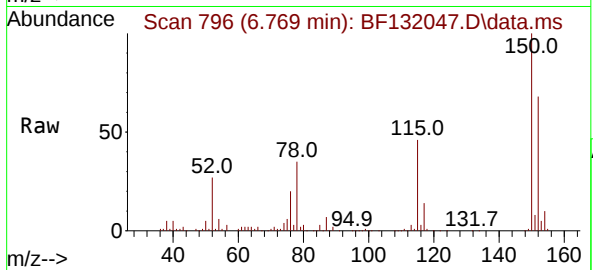




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

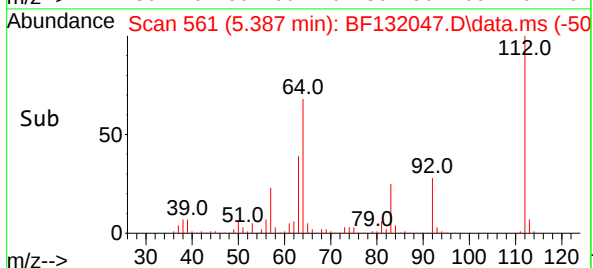
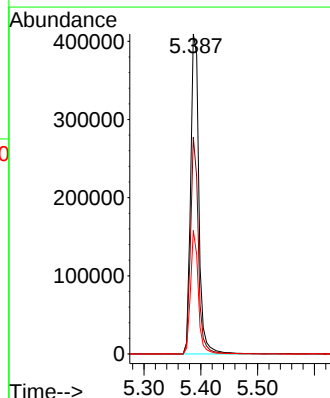
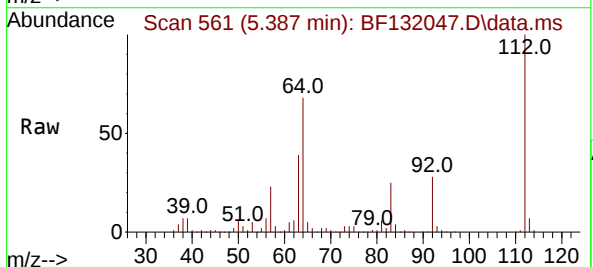
Instrument :
BNA_F
ClientSampleId :
B-04-SB01

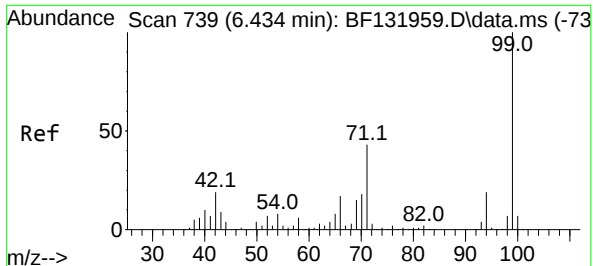
Tgt Ion:152 Resp: 71901
Ion Ratio Lower Upper
152 100
150 146.7 124.6 186.8
115 66.8 55.6 83.4



#5
2-Fluorophenol
Concen: 94.706 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Tgt Ion:112 Resp: 413251
Ion Ratio Lower Upper
112 100
64 67.8 51.9 77.9
63 38.6 30.2 45.2

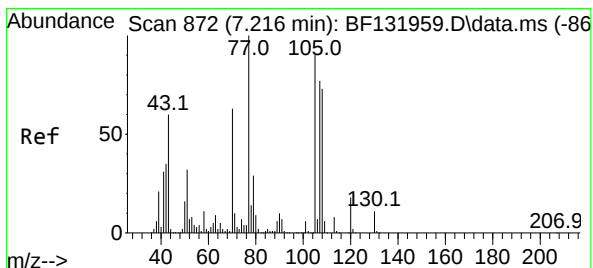
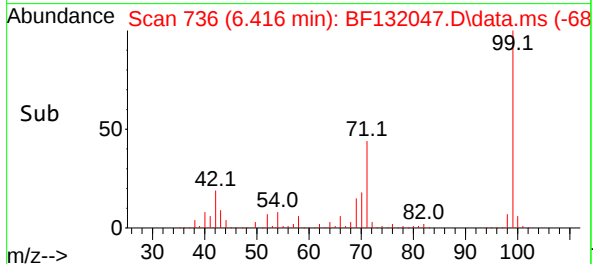
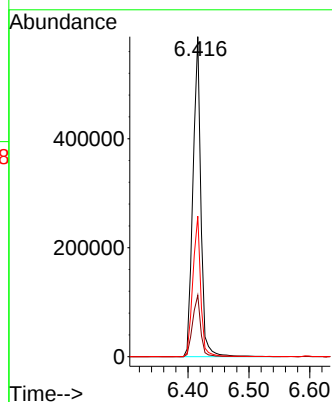
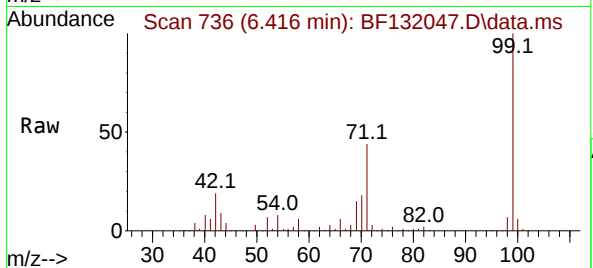




#7
Phenol-d6
Concen: 91.401 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

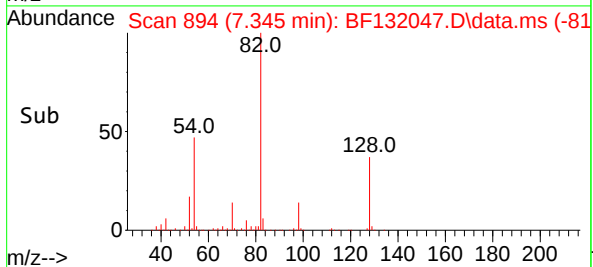
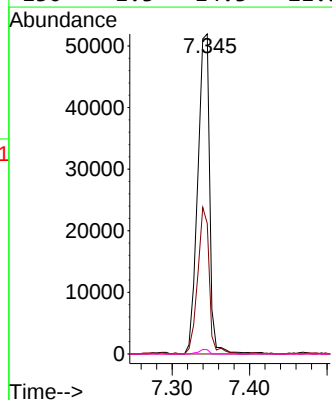
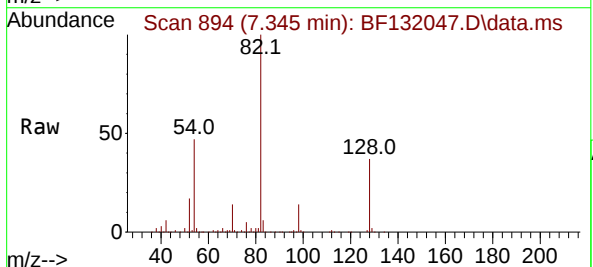
Instrument :
BNA_F
ClientSampleId :
B-04-SB01

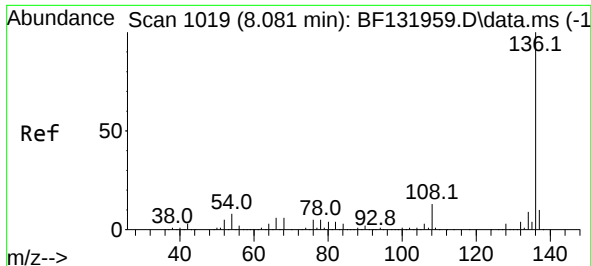
Tgt Ion: 99 Resp: 528797
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.2
71 43.9 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.300 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.147 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

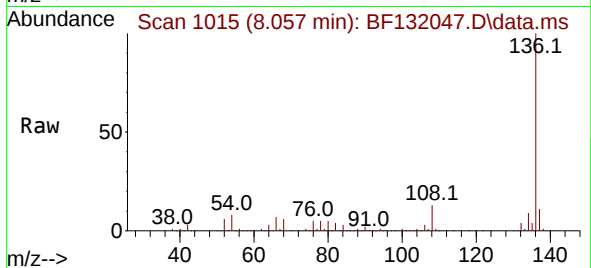
Tgt Ion: 70 Resp: 55661
Ion Ratio Lower Upper
70 100
42 40.8 44.3 66.5#
101 0.0 7.5 11.3#
130 1.3 14.3 21.5#



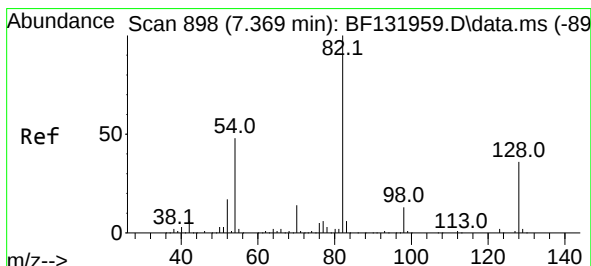
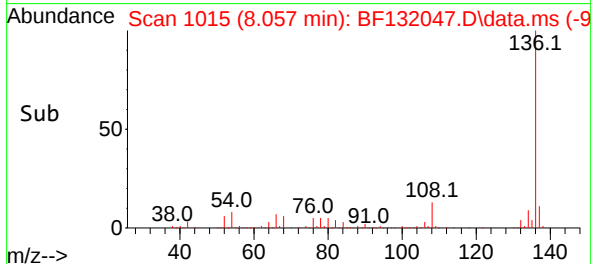
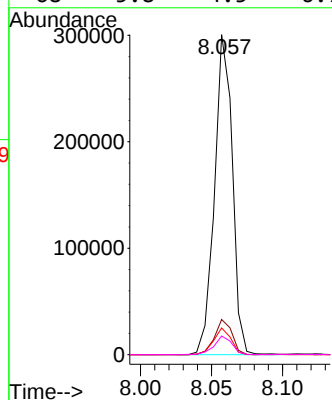


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Instrument :
BNA_F
ClientSampleId :
B-04-SB01

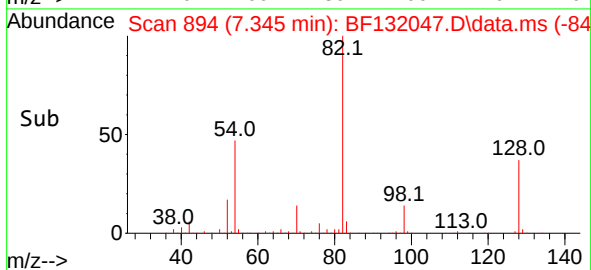
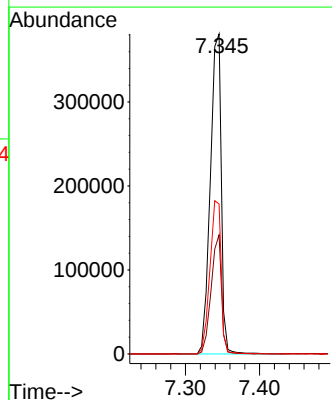
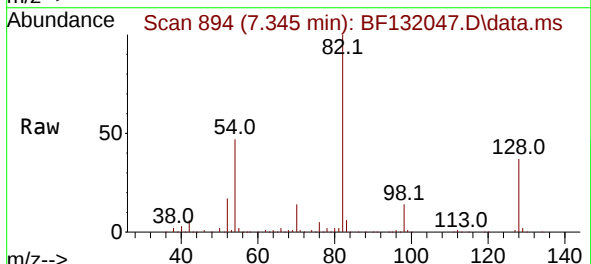


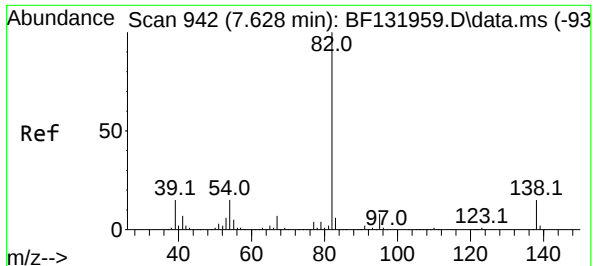
Tgt Ion:	136	Resp:	262887
Ion Ratio	100	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	8.3	6.6	9.8
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 61.844 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Tgt Ion:	82	Resp:	391725
Ion Ratio	100	Lower	Upper
82	100		
128	37.2	28.7	43.1
54	46.9	38.1	57.1

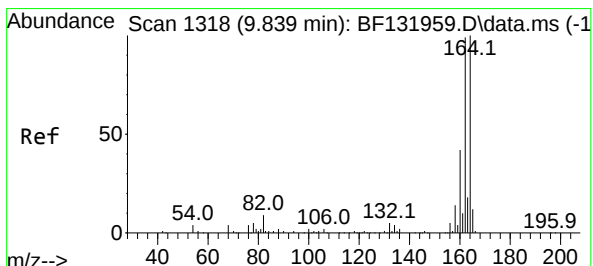
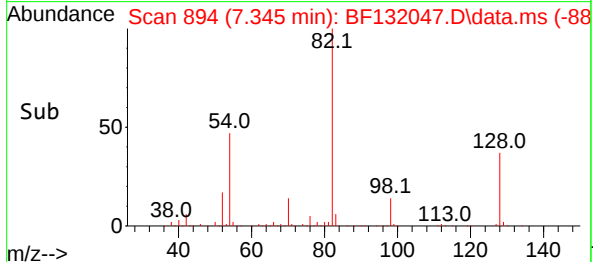
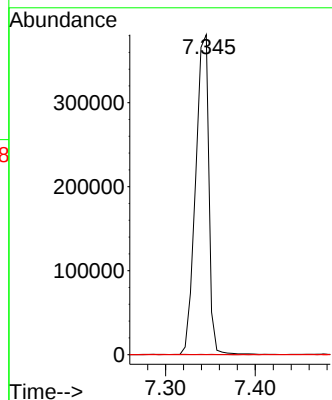
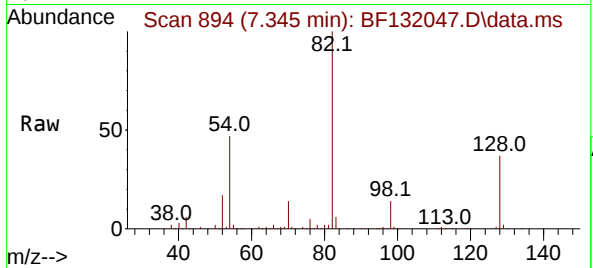




#25
Isophorone
Concen: 32.955 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

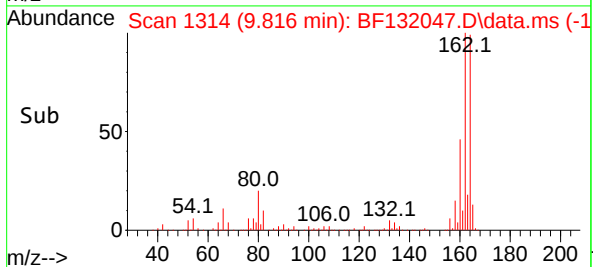
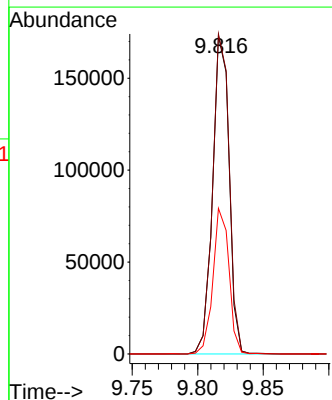
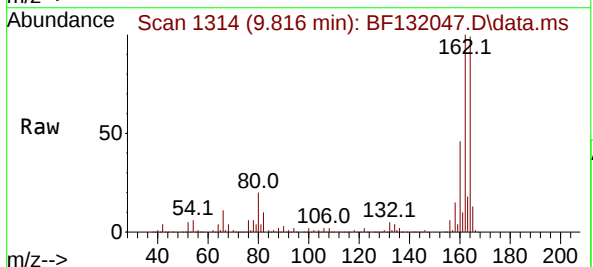
Instrument :
BNA_F
ClientSampleId :
B-04-SB01

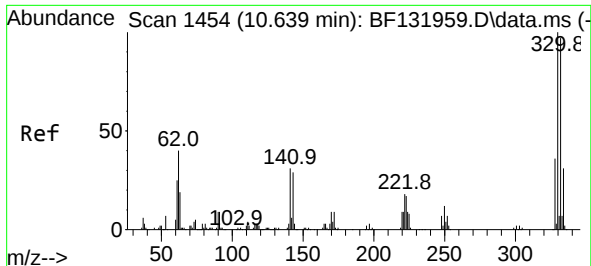
Tgt Ion: 82 Resp: 389964
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Tgt Ion:164 Resp: 151791
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.0
160 45.8 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 77.225 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF132047.D

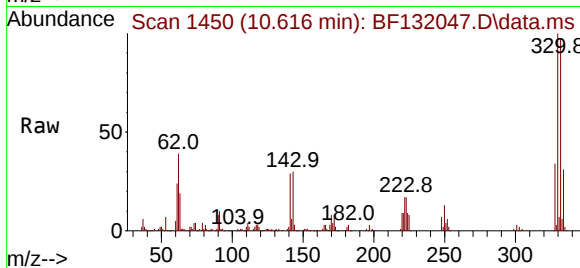
Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01



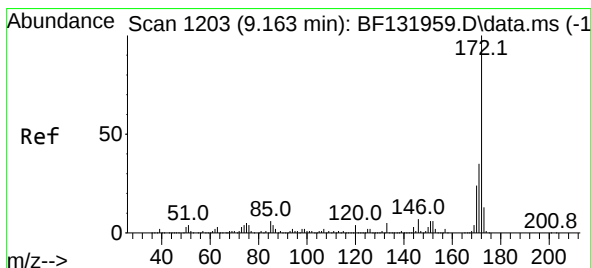
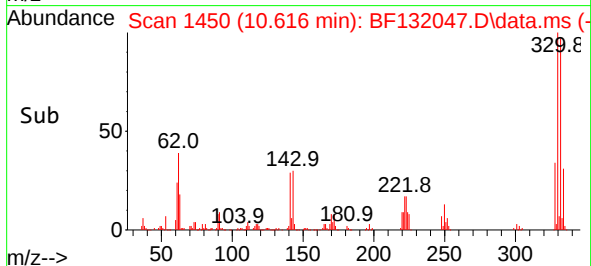
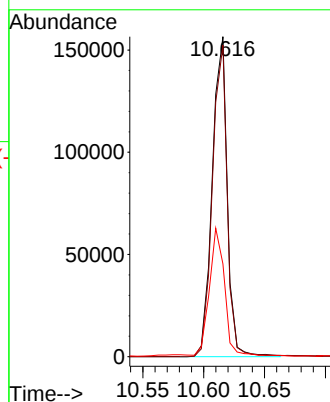
Tgt Ion:330 Resp: 134779

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 40.3 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 58.659 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

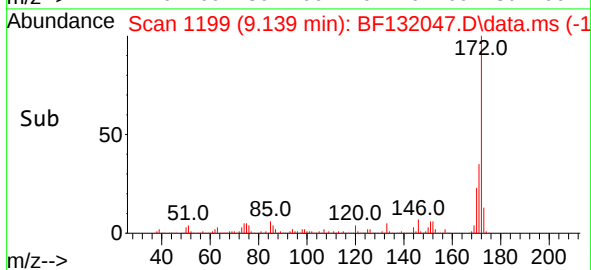
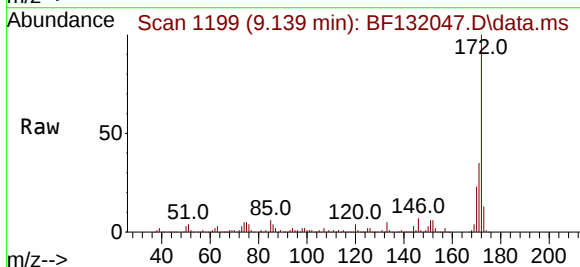
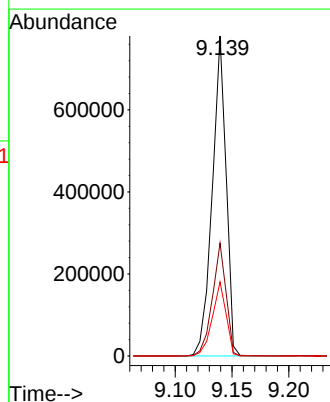
Tgt Ion:172 Resp: 659563

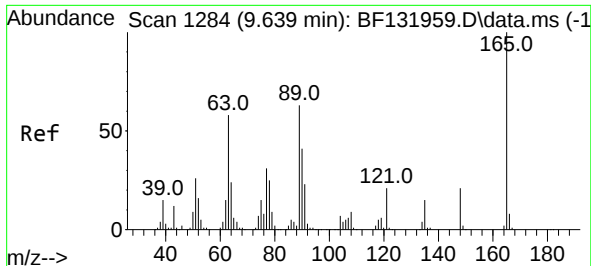
Ion Ratio Lower Upper

172 100

171 35.3 28.0 42.0

170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.329 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01

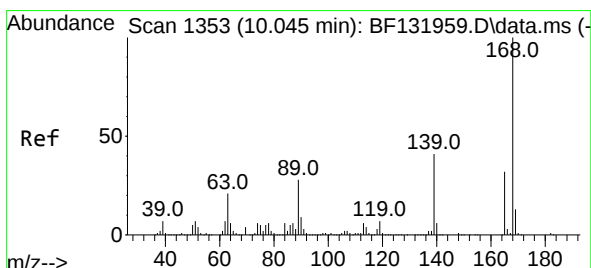
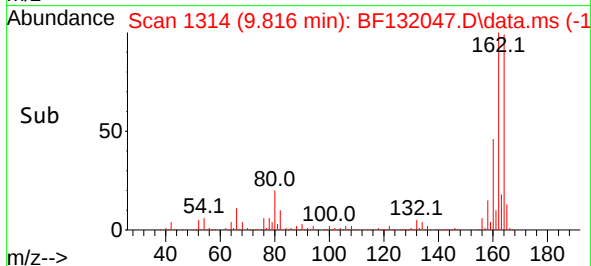
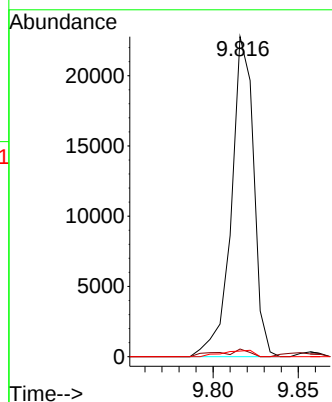
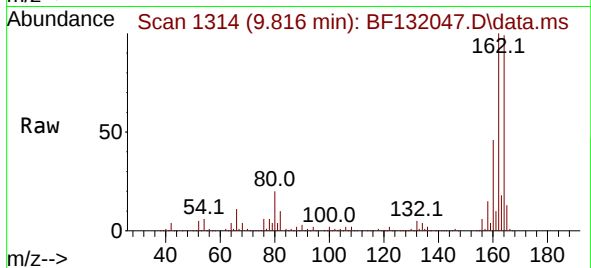
Tgt Ion:165 Resp: 20728

Ion Ratio Lower Upper

165 100

63 2.4 47.4 71.0#

89 1.8 50.2 75.2#



#57

2,4-Dinitrotoluene

Concen: 6.230 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.212 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Tgt Ion:165 Resp: 20728

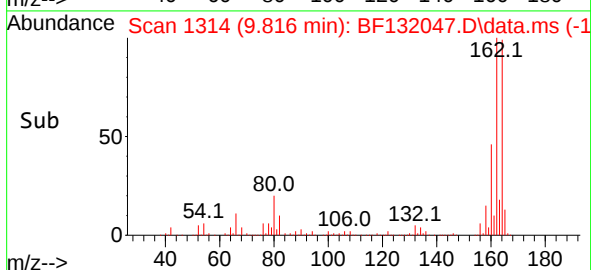
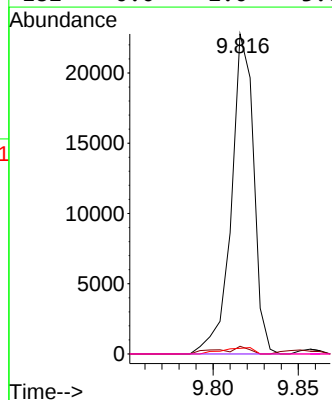
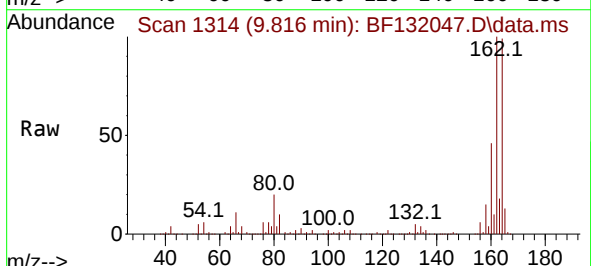
Ion Ratio Lower Upper

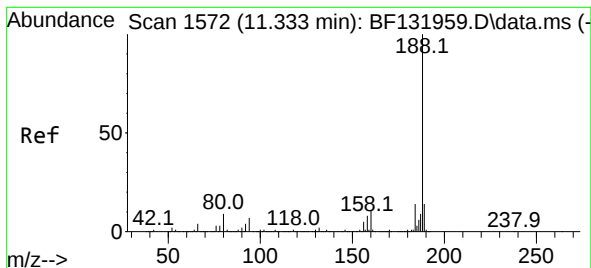
165 100

63 2.4 53.2 79.8#

89 1.8 71.2 106.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01

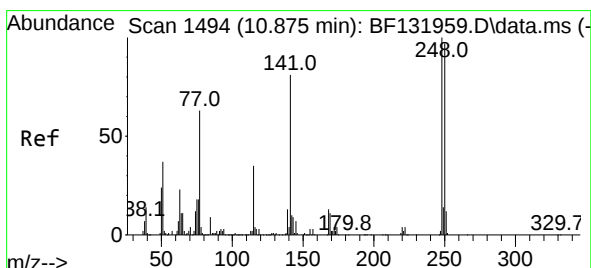
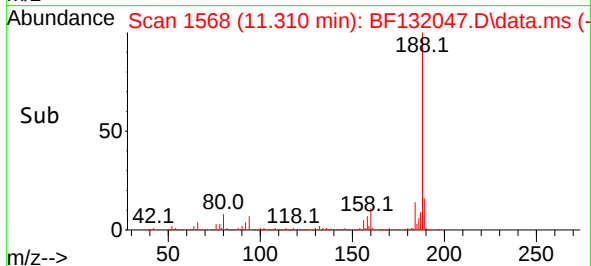
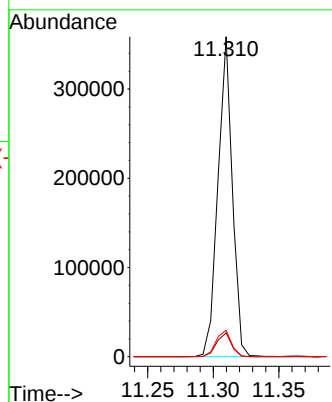
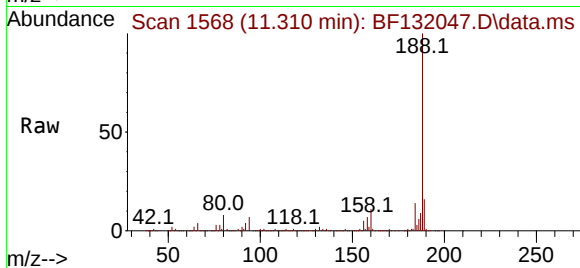
Tgt Ion:188 Resp: 273075

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

80 8.2 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 2.767 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.241 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

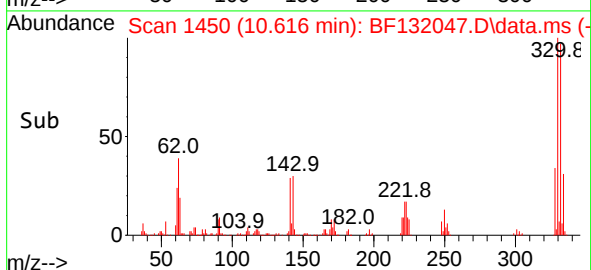
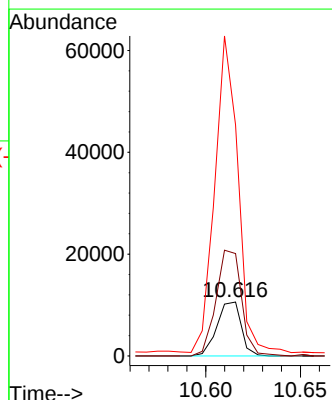
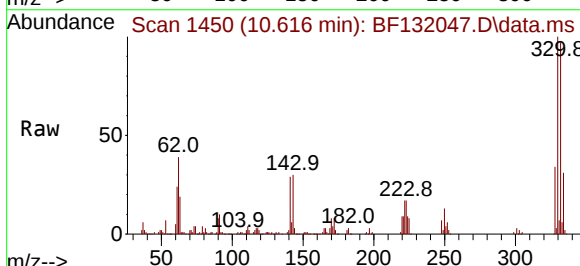
Tgt Ion:248 Resp: 9454

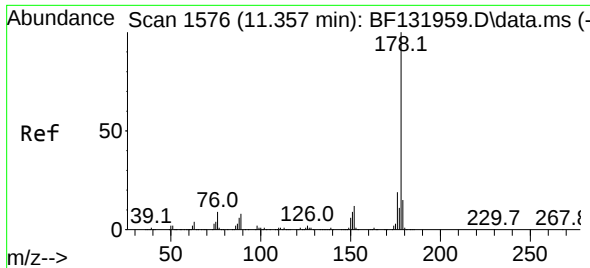
Ion Ratio Lower Upper

248 100

250 190.1 77.4 116.2#

141 428.6 65.0 97.6#

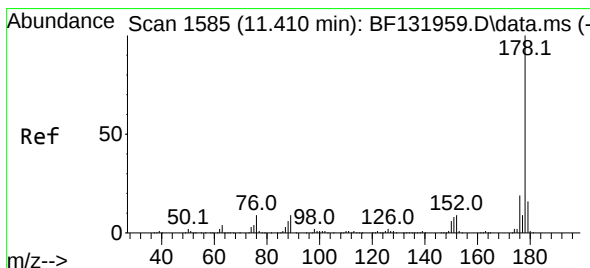
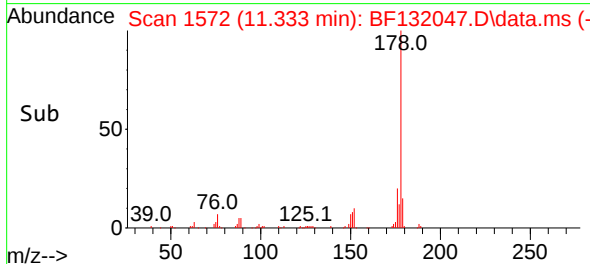
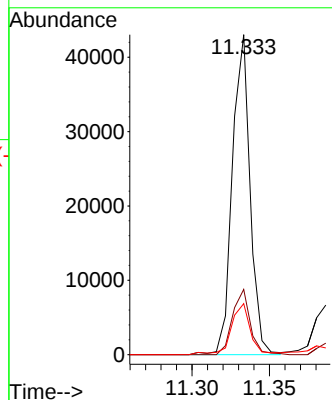
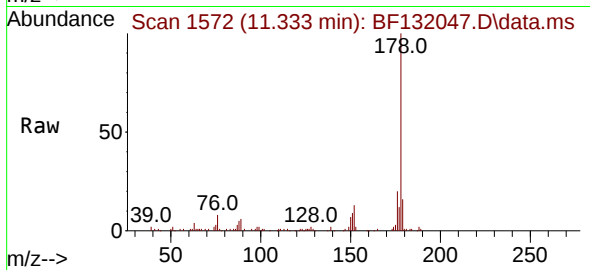




#71
Phenanthrene
Concen: 2.412 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

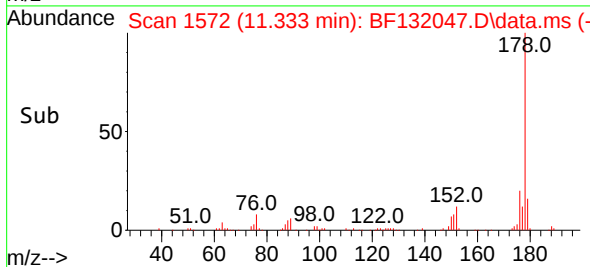
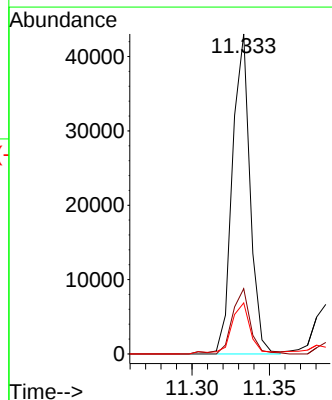
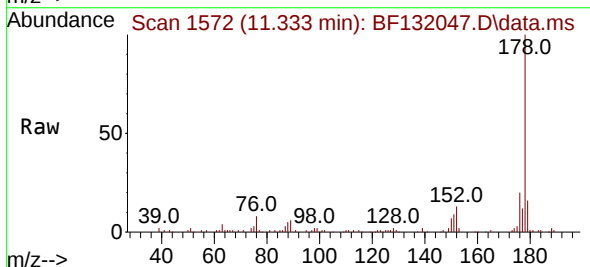
Instrument :
BNA_F
ClientSampleId :
B-04-SB01

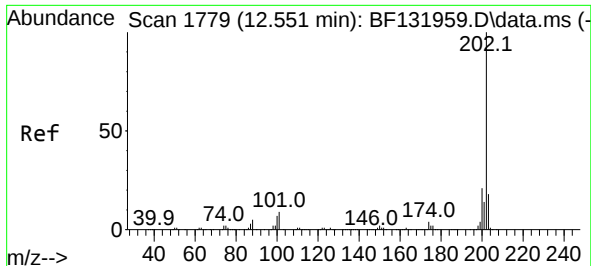
Tgt Ion:178 Resp: 34333
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 15.9 12.4 18.6



#72
Anthracene
Concen: 2.343 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.059 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Tgt Ion:178 Resp: 34333
Ion Ratio Lower Upper
178 100
176 20.4 15.3 22.9
179 15.9 12.6 19.0

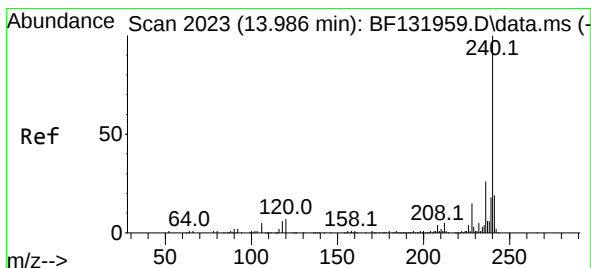
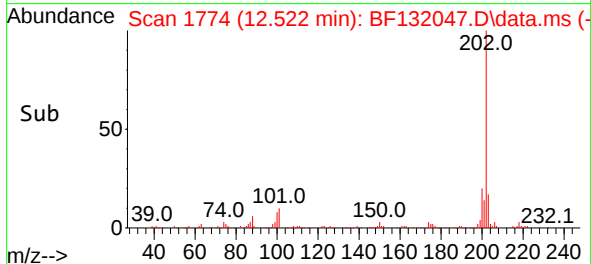
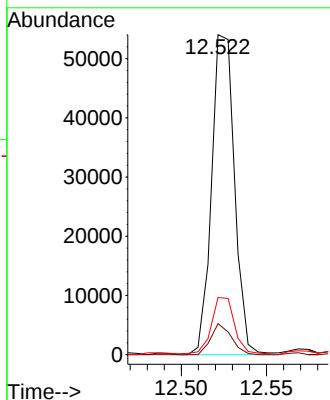
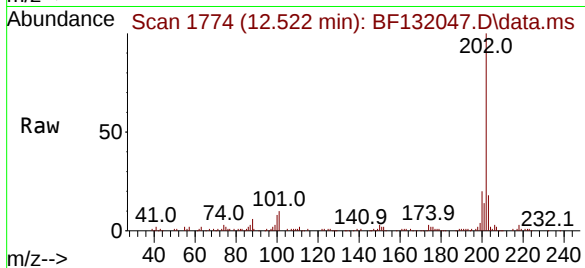




#75
Fluoranthene
Concen: 3.166 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

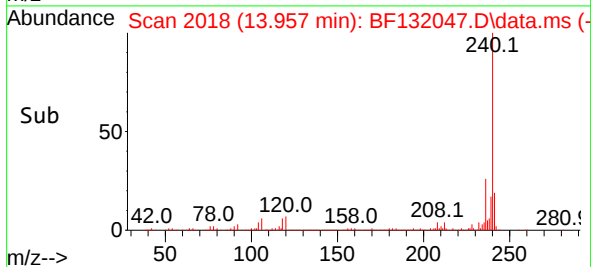
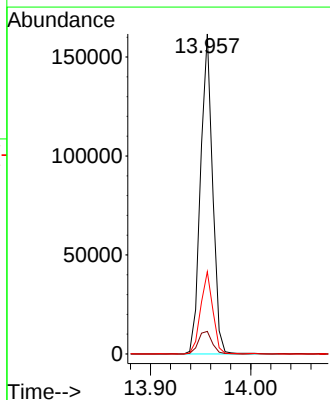
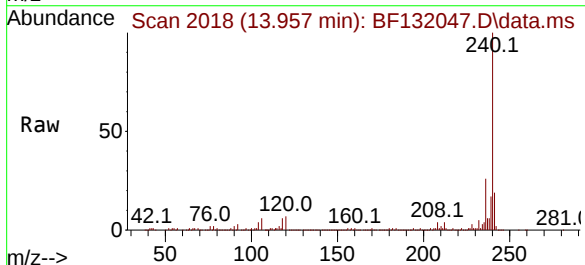
Instrument :
BNA_F
ClientSampleId :
B-04-SB01

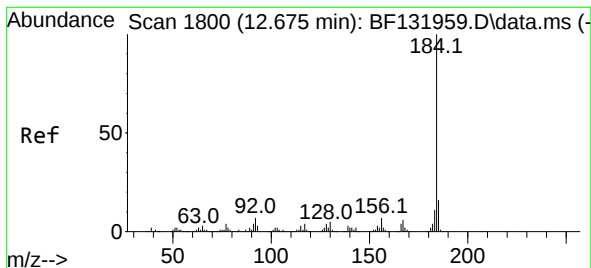
Tgt Ion:202 Resp: 50684
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.8
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF132047.D
Acq: 12 Jan 2023 18:14

Tgt Ion:240 Resp: 135625
Ion Ratio Lower Upper
240 100
120 7.0 5.4 8.0
236 25.7 21.1 31.7





#77

Benzidine

Concen: 2.006 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.241 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01

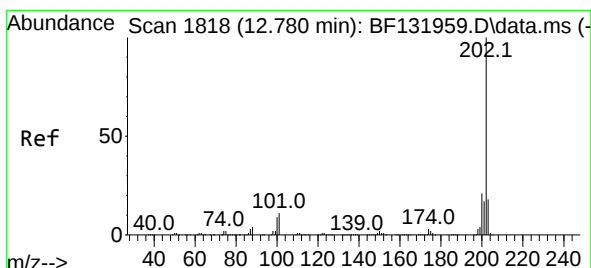
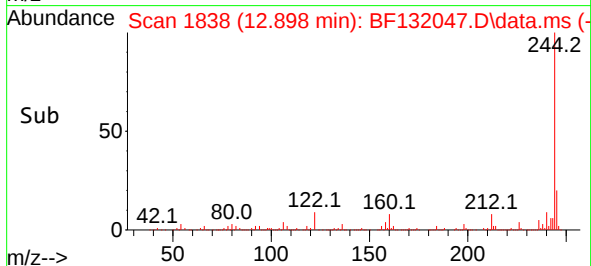
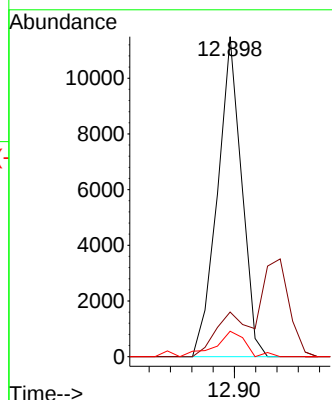
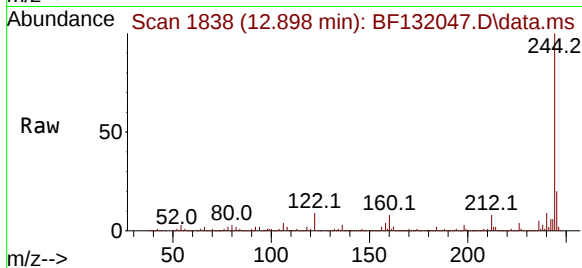
Tgt Ion:184 Resp: 9038

Ion Ratio Lower Upper

184 100

185 13.9 12.8 19.2

183 7.9 9.0 13.4#



#78

Pyrene

Concen: 3.629 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

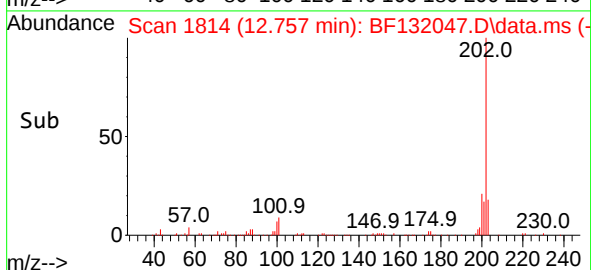
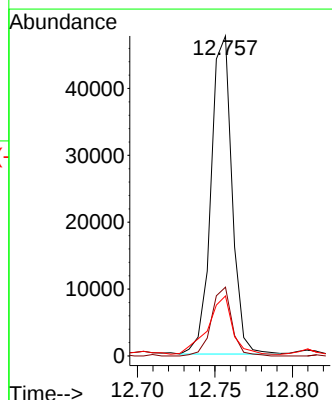
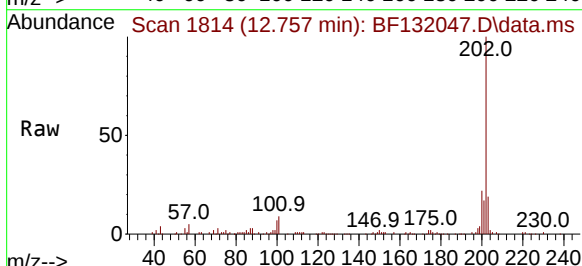
Tgt Ion:202 Resp: 44892

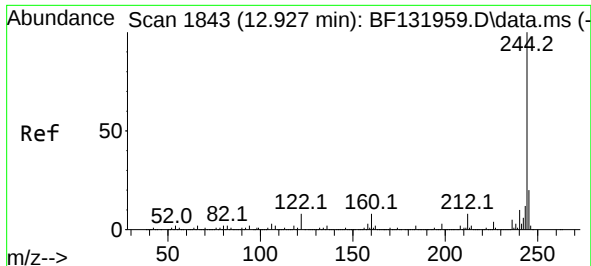
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 18.7 14.1 21.1

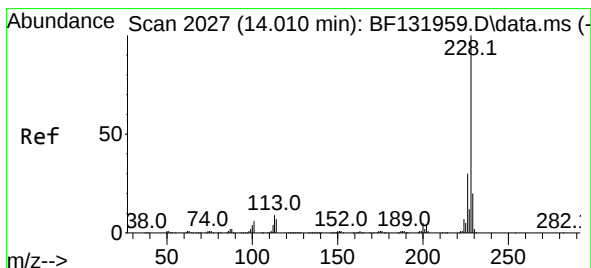
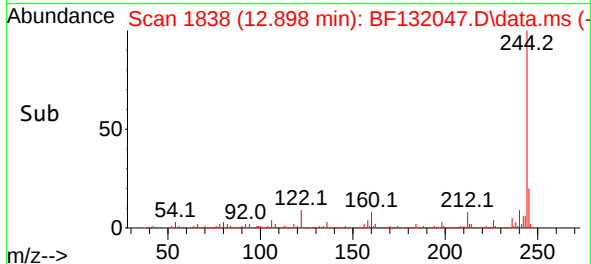
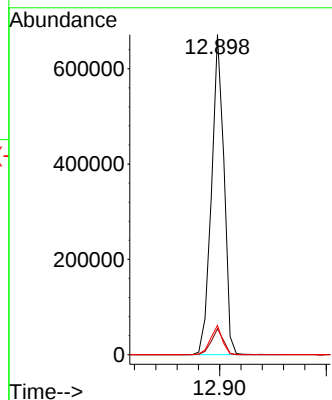
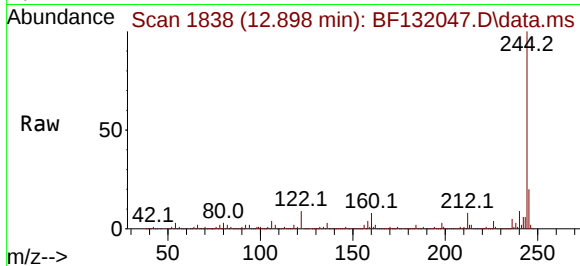




#79
 Terphenyl-d14
 Concen: 57.504 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132047.D
 Acq: 12 Jan 2023 18:14

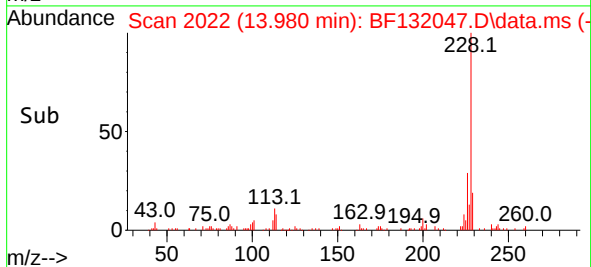
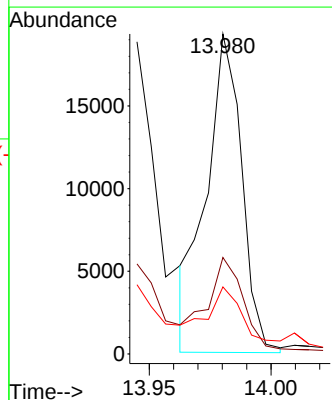
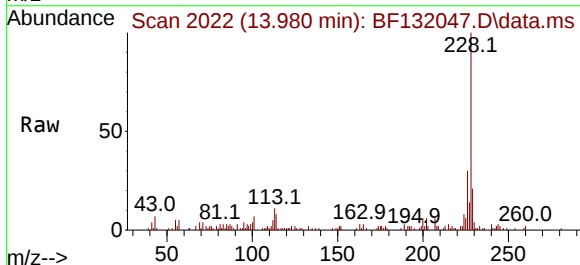
Instrument :
 BNA_F
 ClientSampleId :
 B-04-SB01

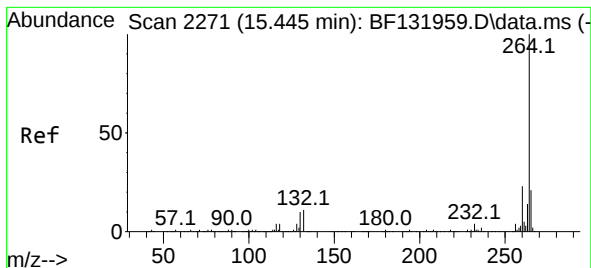
Tgt Ion:244 Resp: 544134
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 9.2 6.8 10.2



#83
 Chrysene
 Concen: 2.113 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. -0.012 min
 Lab File: BF132047.D
 Acq: 12 Jan 2023 18:14

Tgt Ion:228 Resp: 19485
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.0 36.0
 229 20.9 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01

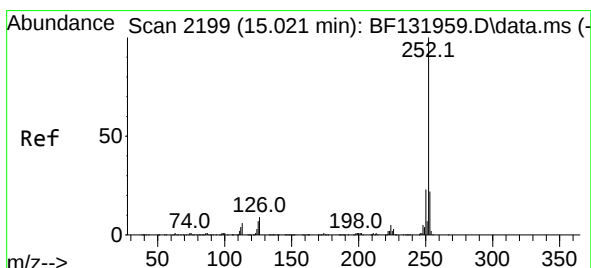
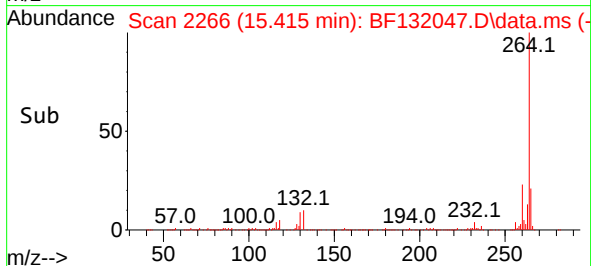
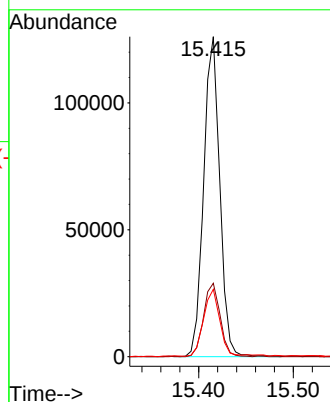
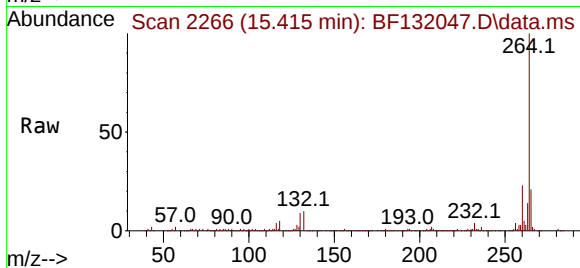
Tgt Ion:264 Resp: 148794

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.0 16.9 25.3



#88

Benzo(b)fluoranthene

Concen: 3.103 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

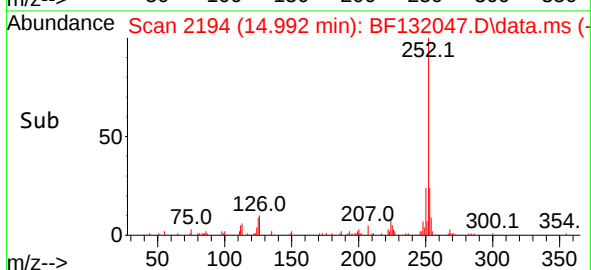
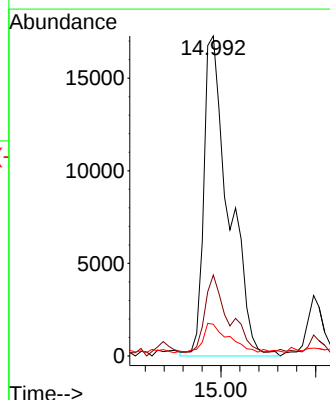
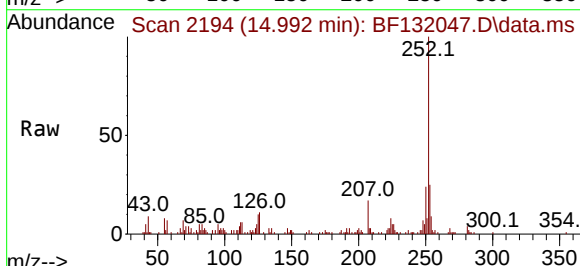
Tgt Ion:252 Resp: 31663

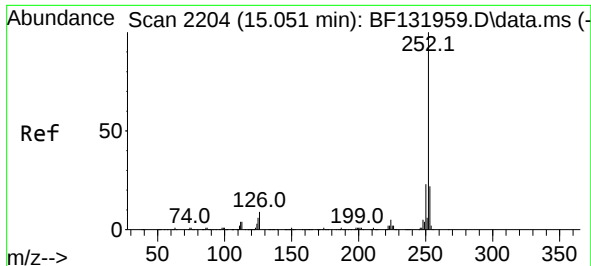
Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

125 9.9 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 3.109 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Instrument :

BNA_F

ClientSampleId :

B-04-SB01

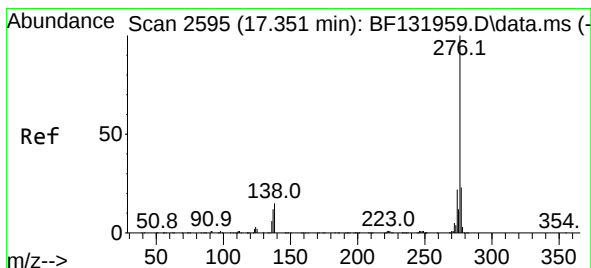
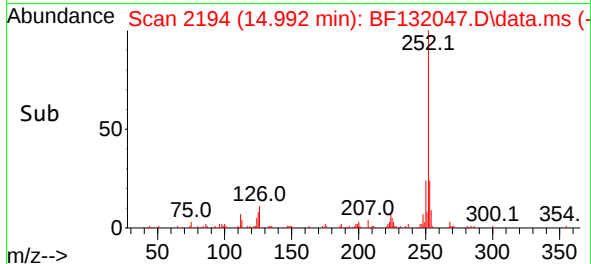
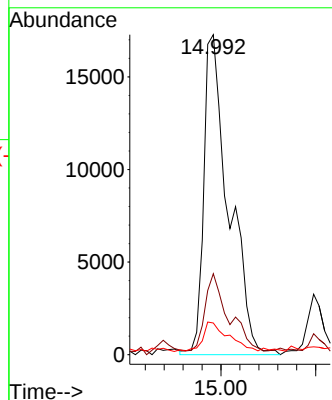
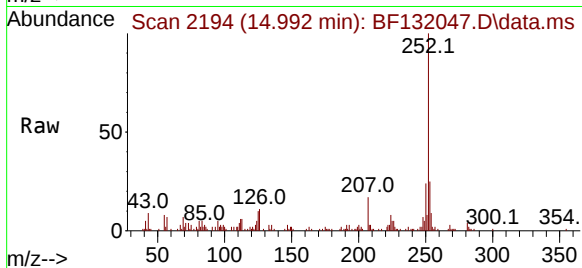
Tgt Ion:252 Resp: 31663

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 9.9 5.2 7.8#



#92

Benzo(g,h,i)perylene

Concen: 4.500 ng

RT: 17.309 min Scan# 2588

Delta R.T. -0.006 min

Lab File: BF132047.D

Acq: 12 Jan 2023 18:14

Tgt Ion:276 Resp: 8622

Ion Ratio Lower Upper

276 100

277 23.4 18.2 27.2

138 19.8 11.7 17.5#

