

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132614.D
 Acq On : 02 Mar 2023 18:42
 Operator : CG\JU
 Sample : 01760-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998

Quant Time: Mar 03 00:37:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

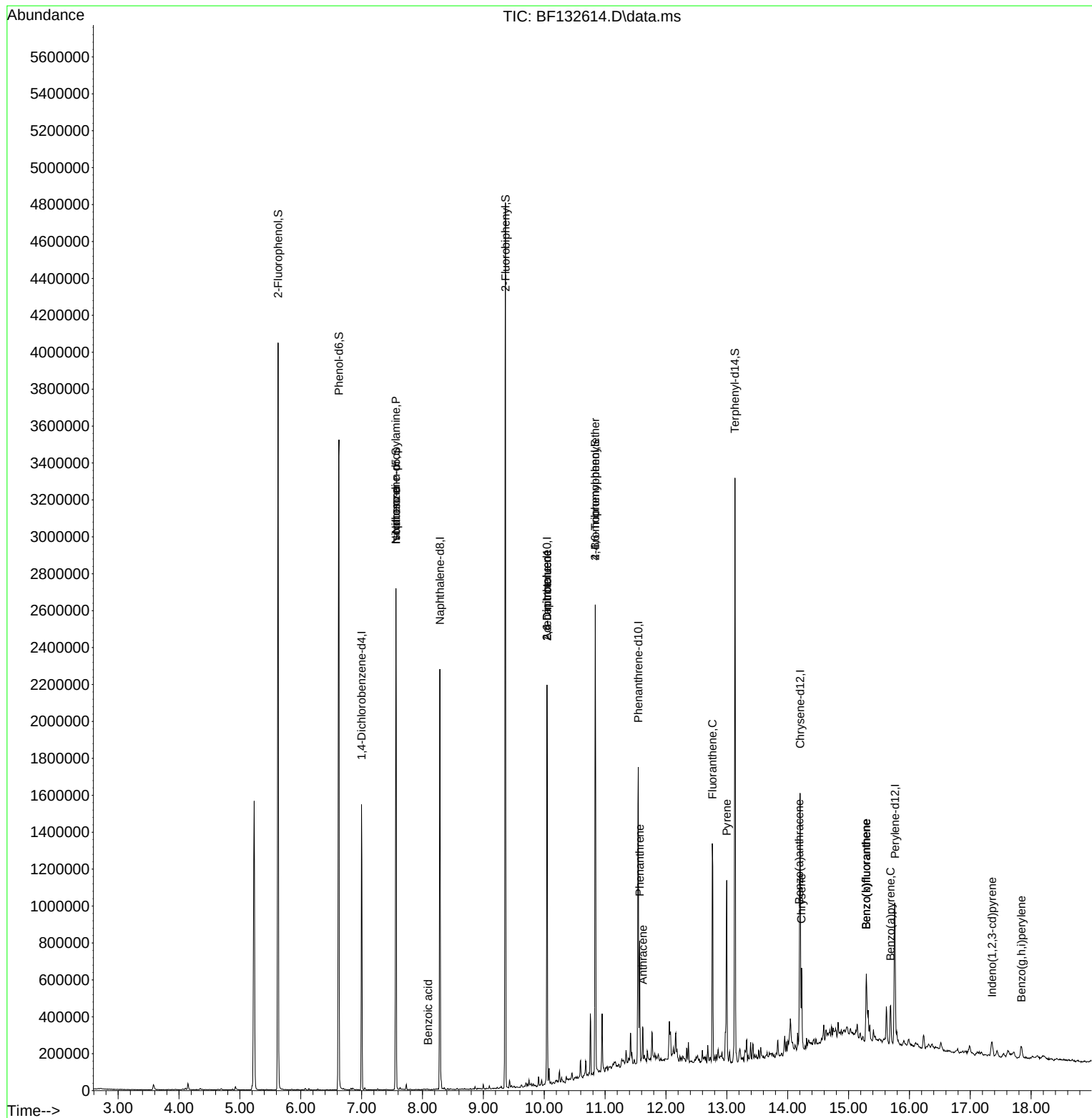
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	222622	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	882111	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	416260	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	612239	20.000	ng	0.00
76) Chrysene-d12	14.204	240	409512	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	391970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1105214	80.573	ng	0.00
7) Phenol-d6	6.628	99	1380306	77.104	ng	0.00
23) Nitrobenzene-d5	7.563	82	904981	48.674	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	285159	63.433	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1398613	51.161	ng	0.00
79) Terphenyl-d14	13.133	244	1084055	44.757	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	119980	10.890	ng	# 77
25) Isophorone	7.563	82	904969	25.388	ng	# 67
32) Benzoic acid	8.092	122	55	3.841	ng	# 62
51) 2,6-Dinitrotoluene	10.045	165	53792	7.793	ng	# 23
57) 2,4-Dinitrotoluene	10.045	165	53792	5.858	ng	# 21
67) 4-Bromophenyl-phenylether	10.839	248	18938	2.735	ng	# 1
71) Phenanthrene	11.568	178	236328	7.451	ng	97
72) Anthracene	11.621	178	77335	2.368	ng	98
75) Fluoranthene	12.763	202	477669	13.776	ng	98
78) Pyrene	12.998	202	374818	10.067	ng	98
81) Benzo(a)anthracene	14.192	228	157215	5.131	ng	98
83) Chrysene	14.227	228	184869	6.452	ng	96
87) Indeno(1,2,3-cd)pyrene	17.356	276	58804	2.290	ng	99
88) Benzo(b)fluoranthene	15.292	252	276904	10.542	ng	# 94
89) Benzo(k)fluoranthene	15.292	252	276904	10.771	ng	# 94
90) Benzo(a)pyrene	15.692	252	110570	4.498	ng	98
92) Benzo(g,h,i)perylene	17.839	276	56249	3.913	ng	98

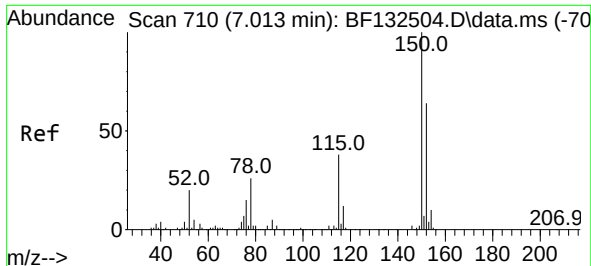
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
Data File : BF132614.D
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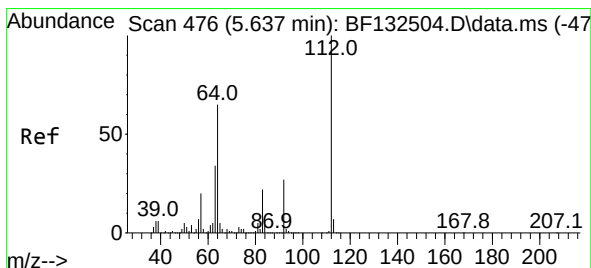
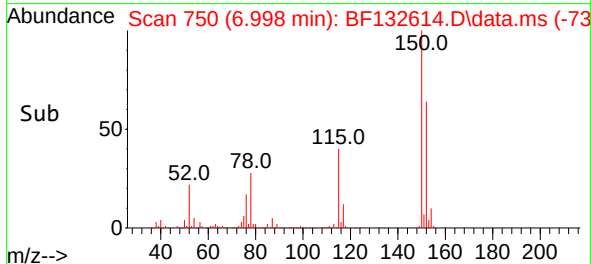
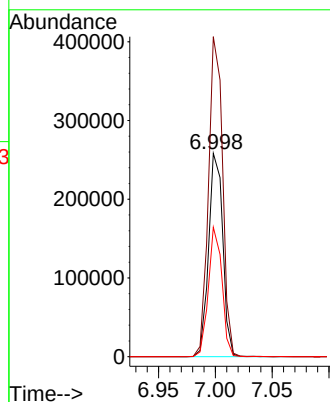
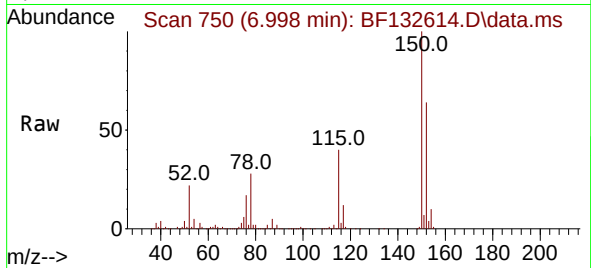




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

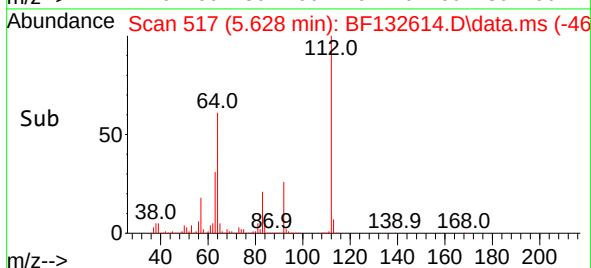
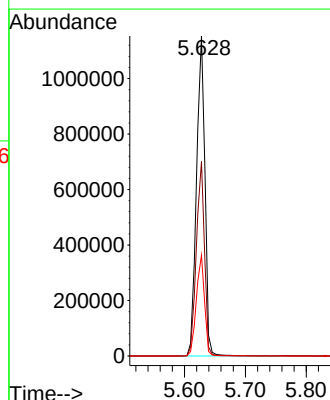
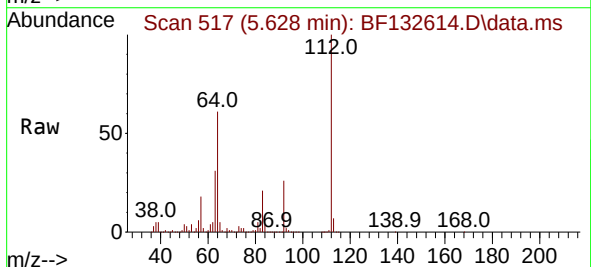
Instrument :
BNA_F
ClientSampleId :
72-11998

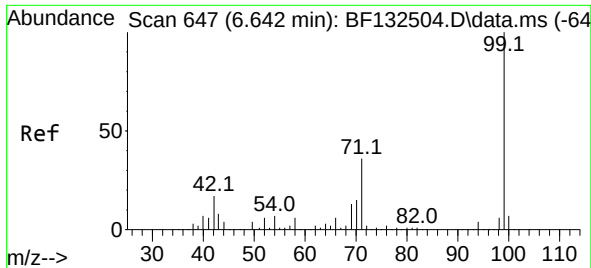
Tgt Ion:152 Resp: 222622
Ion Ratio Lower Upper
152 100
150 157.4 125.4 188.2
115 63.6 47.8 71.6



#5
2-Fluorophenol
Concen: 80.573 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:112 Resp: 1105214
Ion Ratio Lower Upper
112 100
64 60.8 51.6 77.4
63 31.5 27.4 41.2

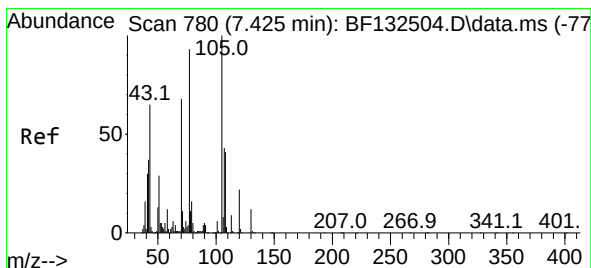
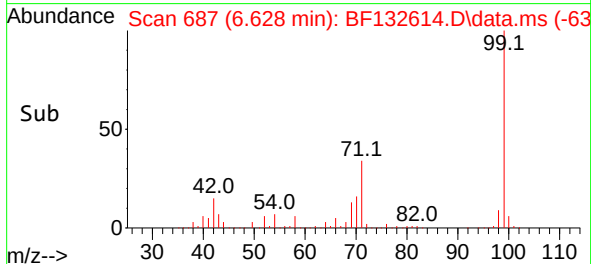
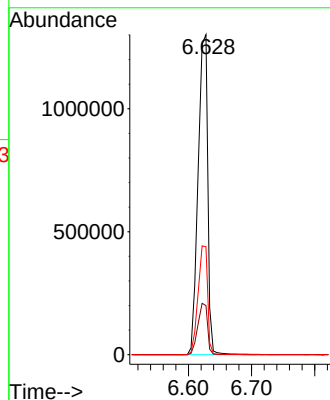
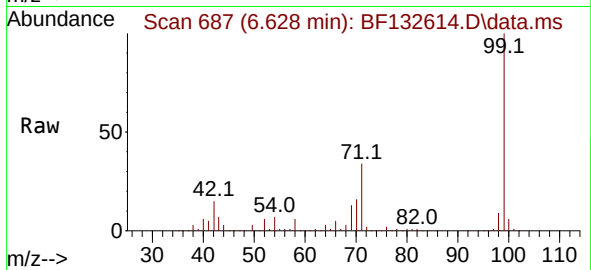




#7
Phenol-d6
Concen: 77.104 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

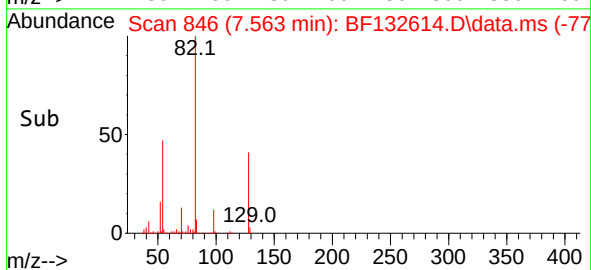
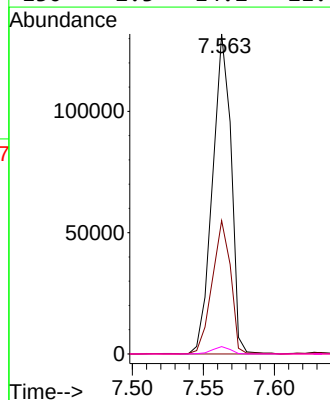
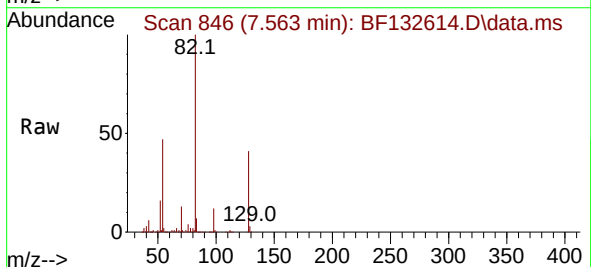
Instrument :
BNA_F
ClientSampleId :
72-11998

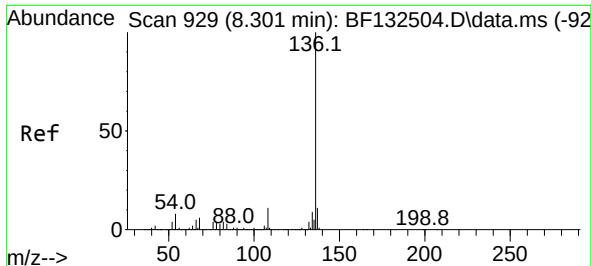
Tgt Ion: 99 Resp: 1380306
Ion Ratio Lower Upper
99 100
42 15.3 13.9 20.9
71 33.8 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.890 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion: 70 Resp: 119980
Ion Ratio Lower Upper
70 100
42 41.7 44.1 66.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#

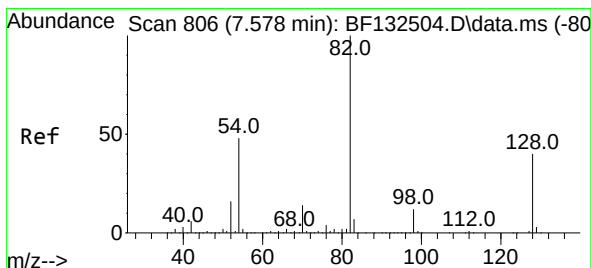
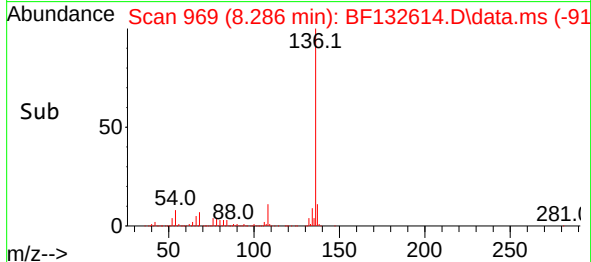
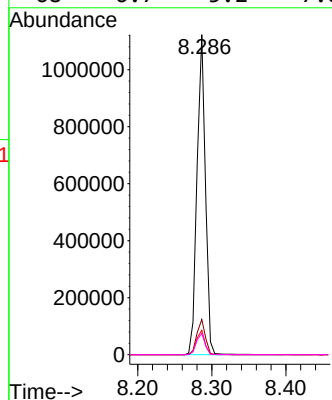
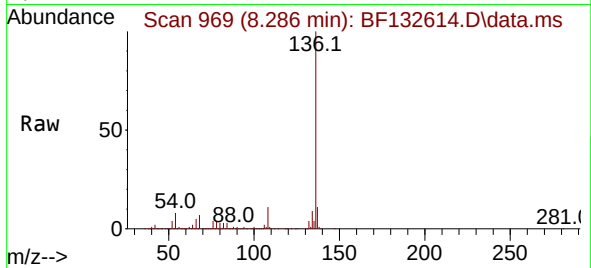




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 901
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

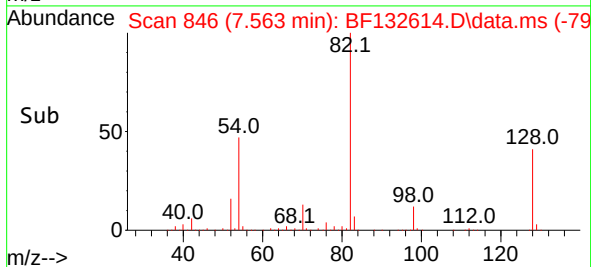
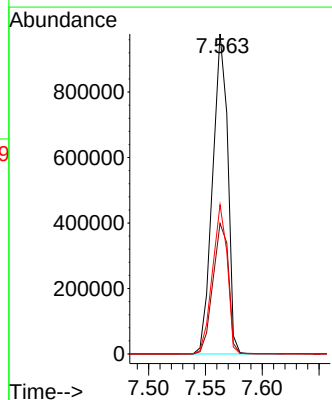
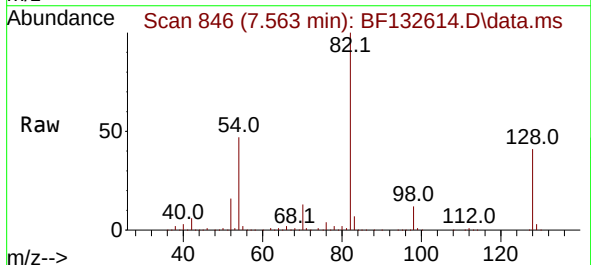
Instrument :
BNA_F
ClientSampleId :
72-11998

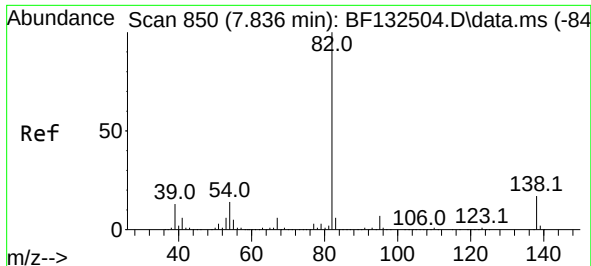
Tgt Ion:136 Resp: 882111
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.6 6.2 9.4
68 6.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 48.674 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion: 82 Resp: 904981
Ion Ratio Lower Upper
82 100
128 40.8 32.2 48.2
54 46.6 38.4 57.6

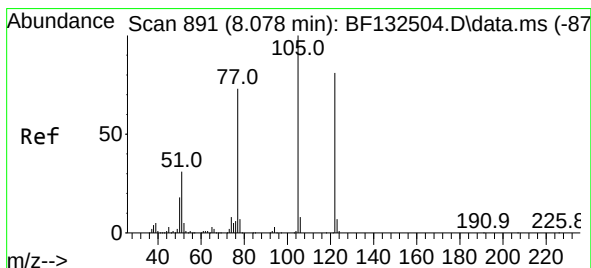
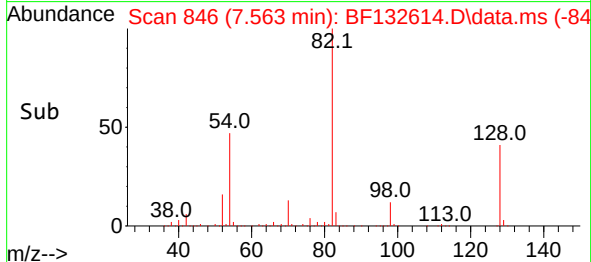
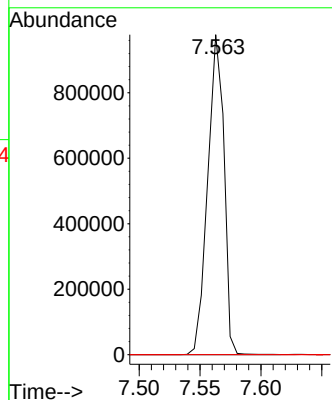
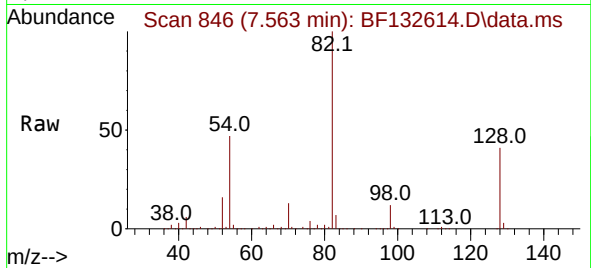




#25
Isophorone
Concen: 25.388 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

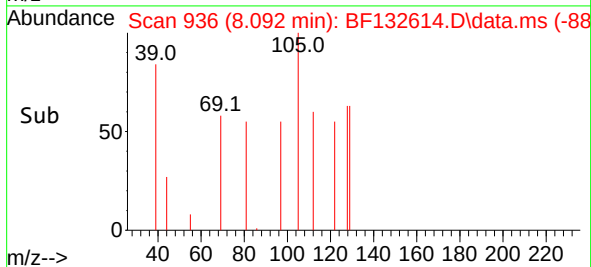
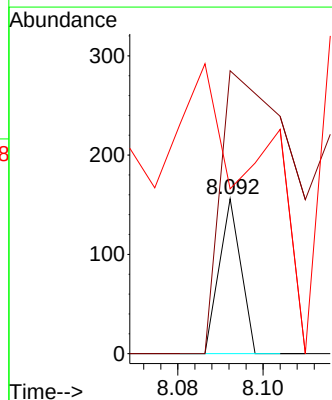
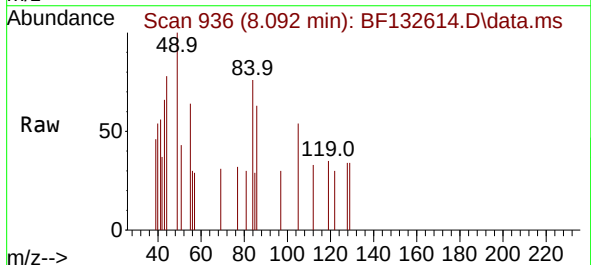
Instrument :
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ClientSampleId :
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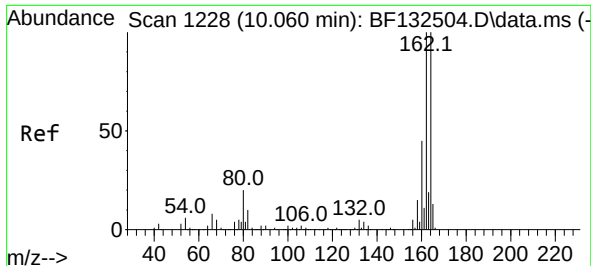
Tgt Ion: 82 Resp: 904969
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.841 ng
RT: 8.092 min Scan# 936
Delta R.T. 0.026 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion: 122 Resp: 55
Ion Ratio Lower Upper
122 100
105 182.7 102.6 142.6#
77 106.4 70.2 110.2

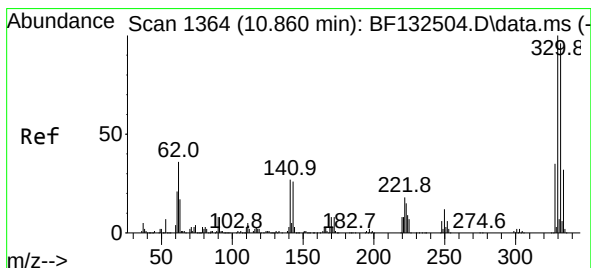
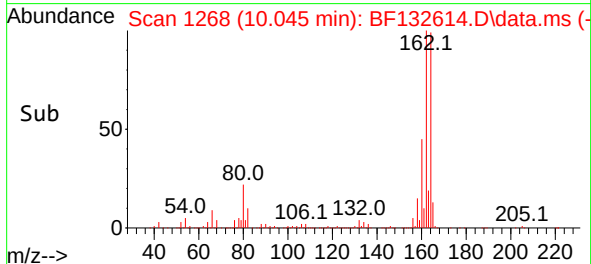
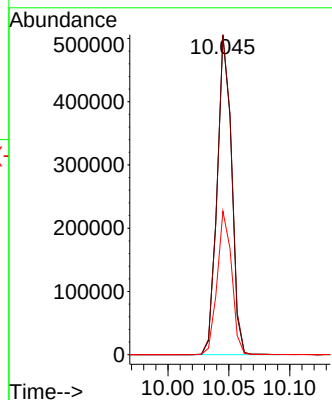
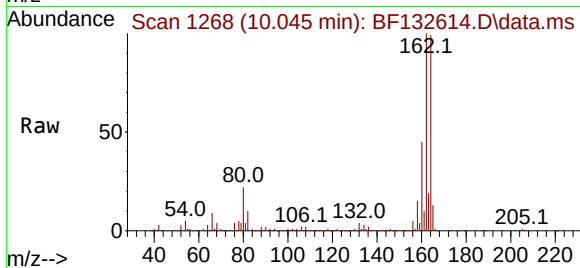




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

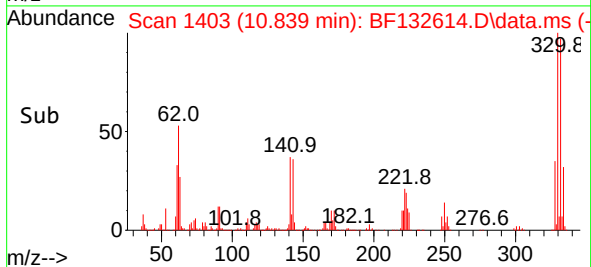
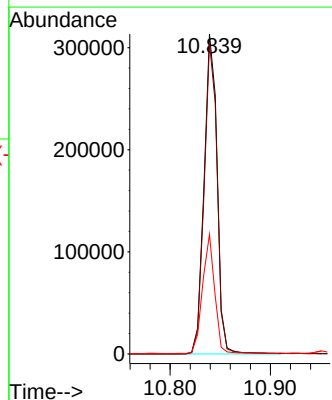
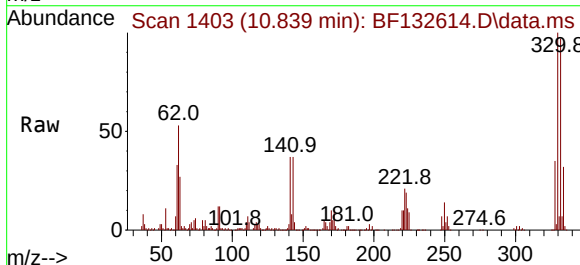
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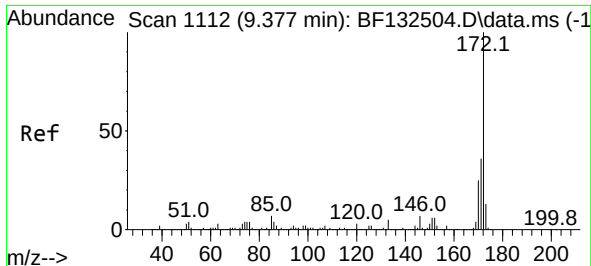
Tgt Ion:164 Resp: 416260
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 45.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 63.433 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:330 Resp: 285159
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 34.8 28.4 42.6

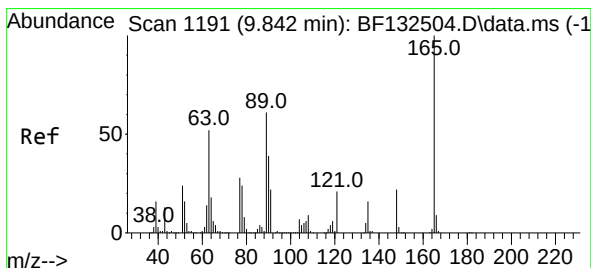
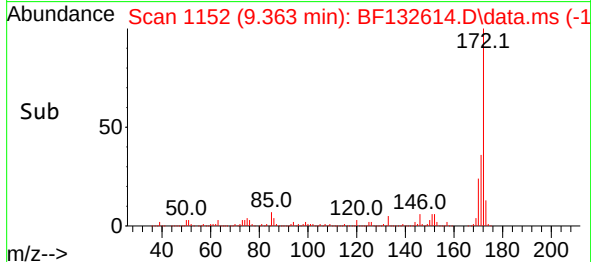
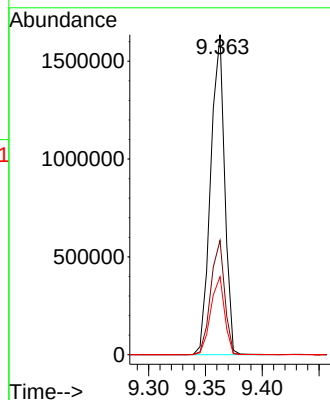
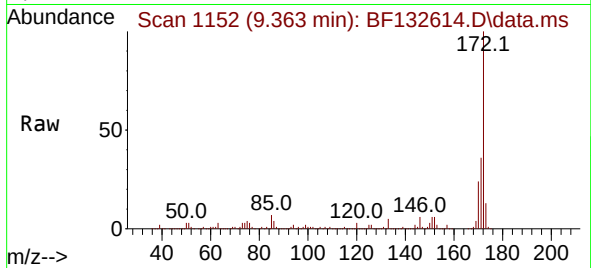




#45
2-Fluorobiphenyl
Concen: 51.161 ng
RT: 9.363 min Scan# 1112
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

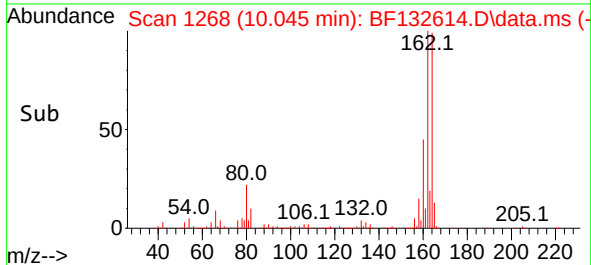
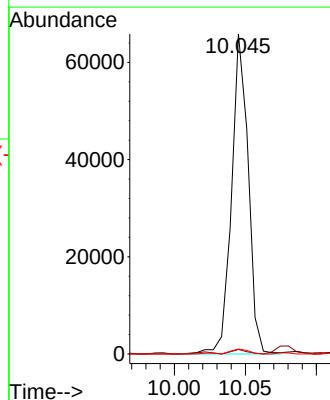
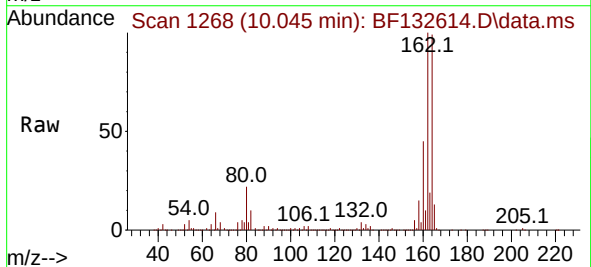
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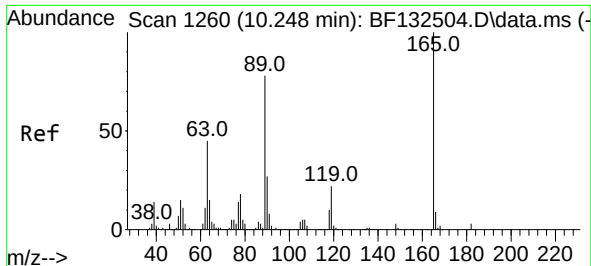
Tgt Ion:172 Resp: 1398613
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.4 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.793 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:165 Resp: 53792
Ion Ratio Lower Upper
165 100
63 1.4 47.3 70.9#
89 1.5 48.9 73.3#

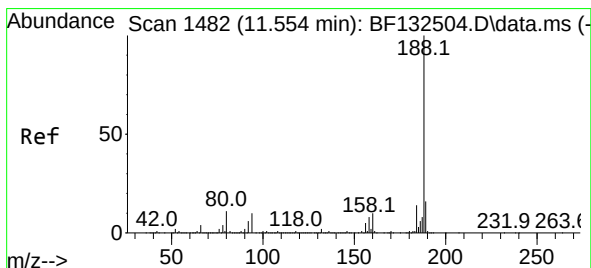
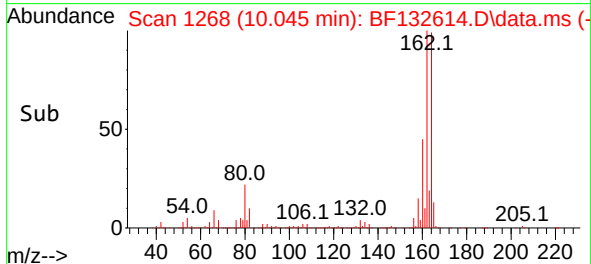
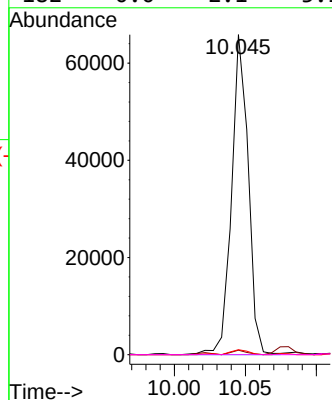
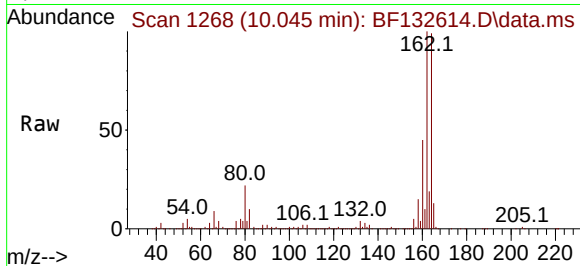




#57
2,4-Dinitrotoluene
Concen: 5.858 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

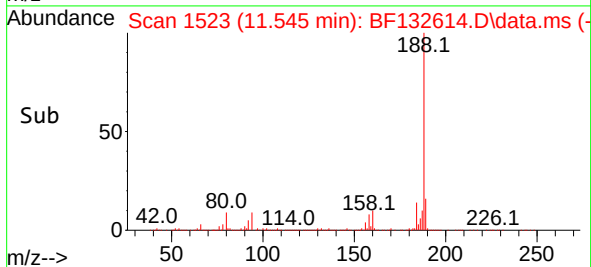
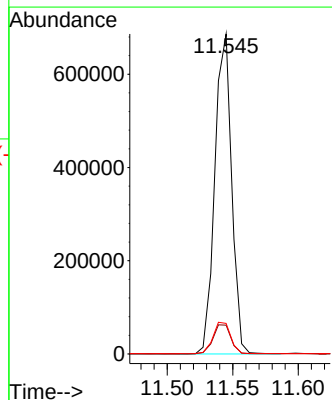
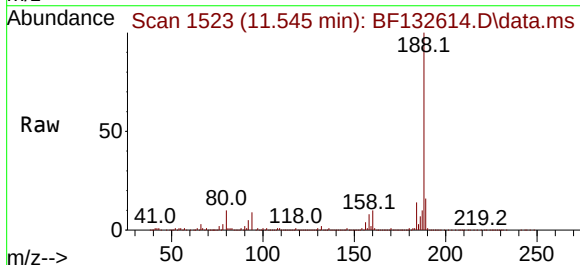
Instrument :
BNA_F
ClientSampleId :
72-11998

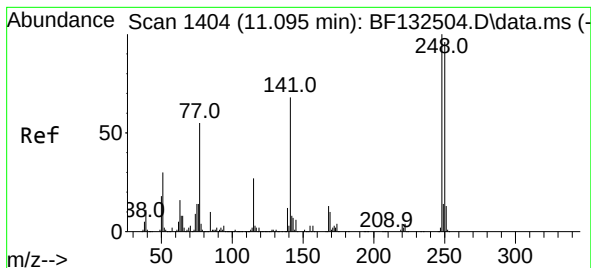
Tgt Ion:165 Resp: 53792
Ion Ratio Lower Upper
165 100
63 1.4 36.5 54.7#
89 1.5 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:188 Resp: 612239
Ion Ratio Lower Upper
188 100
94 9.0 8.3 12.5
80 9.5 8.7 13.1

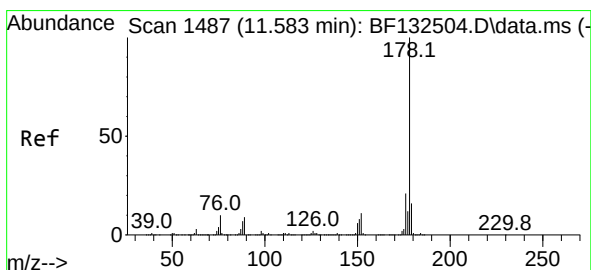
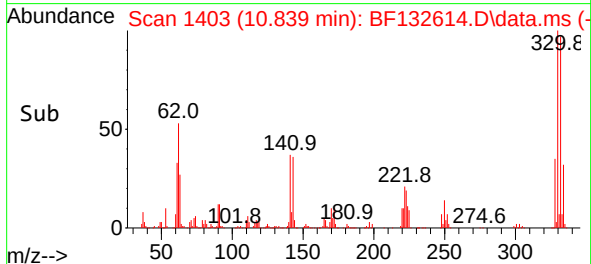
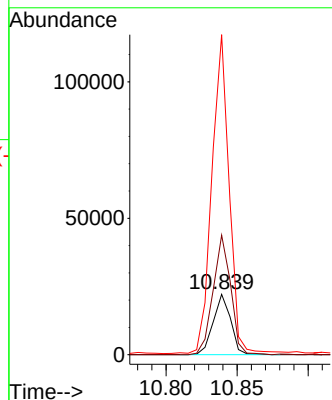
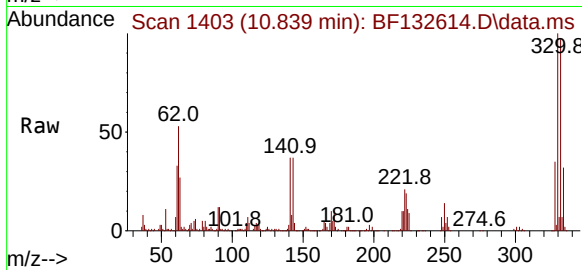




#67
4-Bromophenyl-phenylether
Concen: 2.735 ng
RT: 10.839 min Scan# 14
Delta R.T. -0.250 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

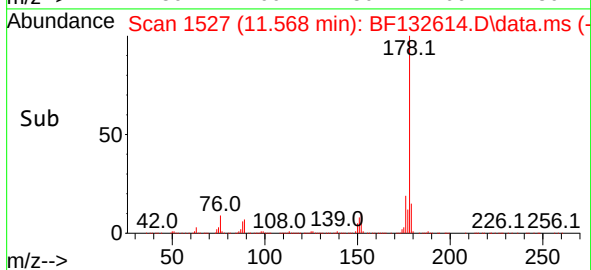
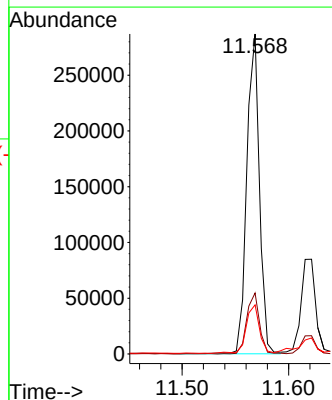
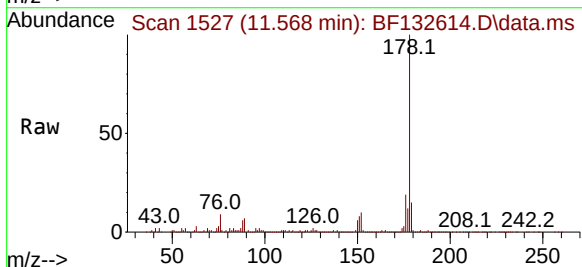
Instrument :
BNA_F
ClientSampleId :
72-11998

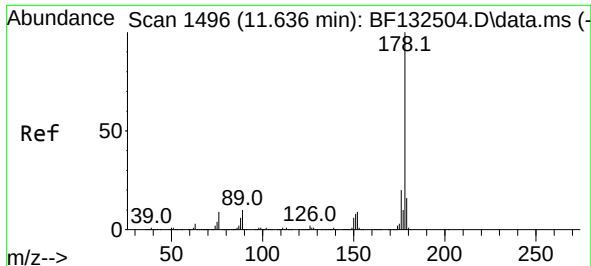
Tgt Ion:248 Resp: 18938
Ion Ratio Lower Upper
248 100
250 197.9 77.0 115.4#
141 530.1 54.2 81.2#



#71
Phenanthrene
Concen: 7.451 ng
RT: 11.568 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:178 Resp: 236328
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.3 13.0 19.6

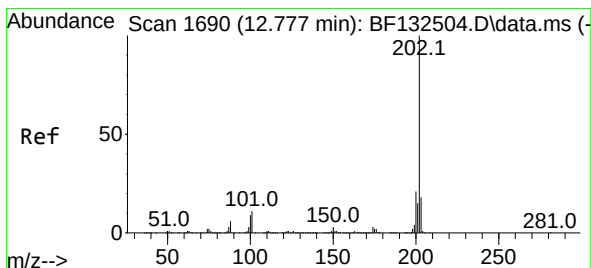
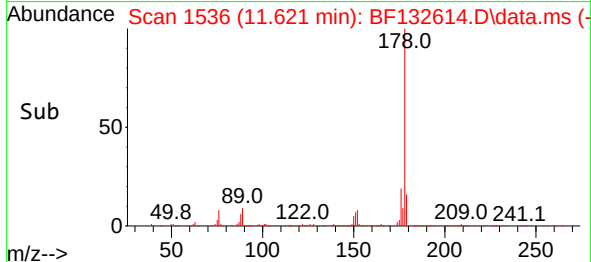
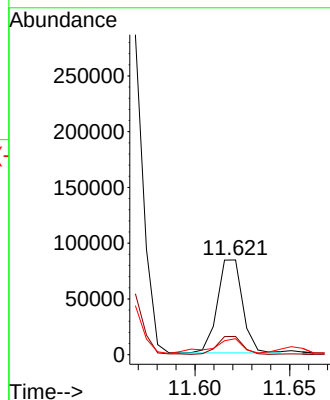
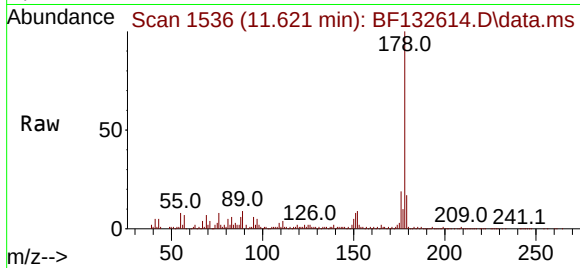




#72
 Anthracene
 Concen: 2.368 ng
 RT: 11.621 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

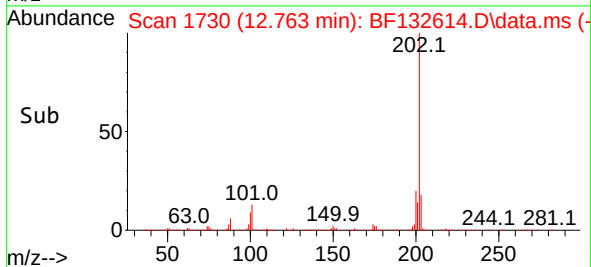
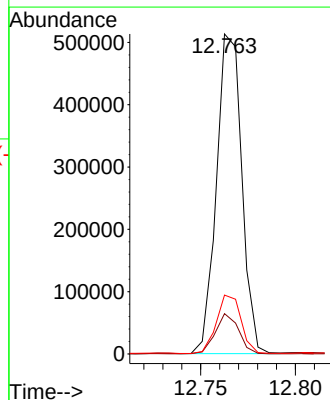
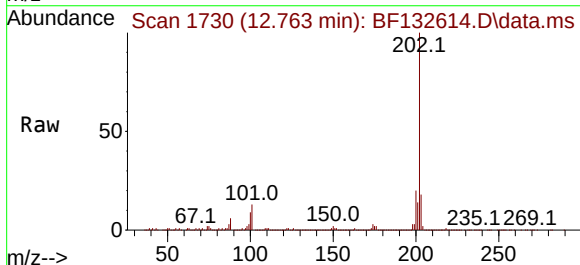
Instrument :
 BNA_F
 ClientSampleId :
 72-11998

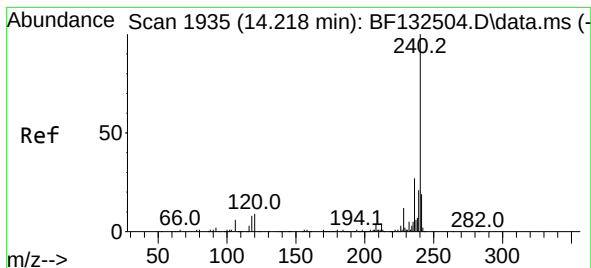
Tgt Ion:178 Resp: 77335
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.9 12.5 18.7



#75
 Fluoranthene
 Concen: 13.776 ng
 RT: 12.763 min Scan# 1730
 Delta R.T. -0.009 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

Tgt Ion:202 Resp: 477669
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 18.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.204 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

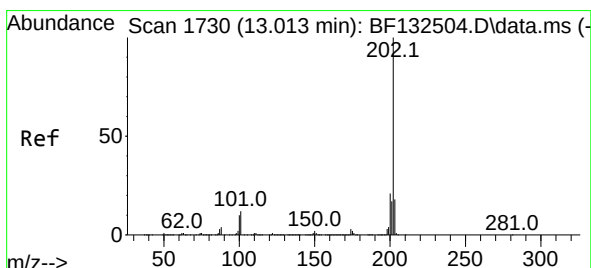
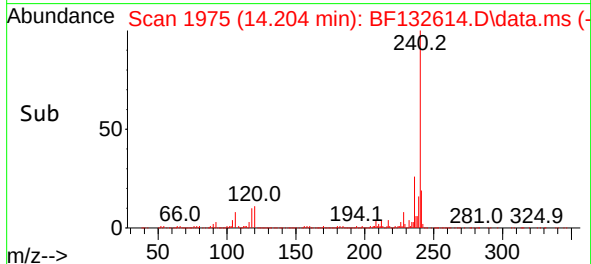
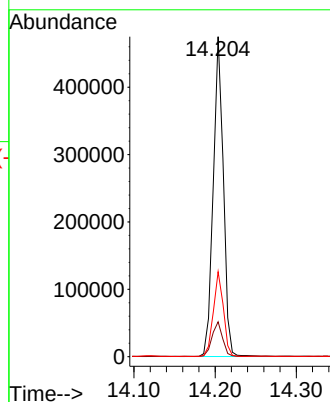
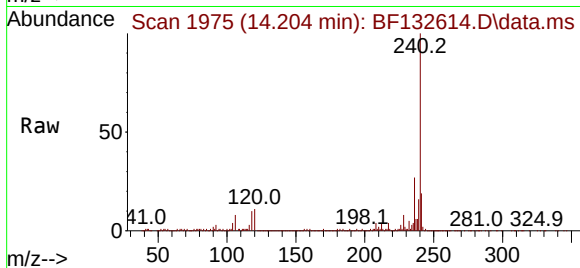
Tgt Ion:240 Resp: 409512

Ion Ratio Lower Upper

240 100

120 10.9 7.2 10.8#

236 26.6 21.8 32.6



#78

Pyrene

Concen: 10.067 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

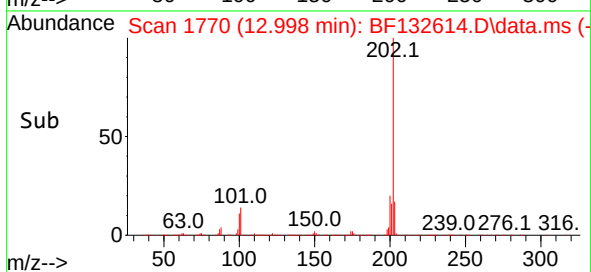
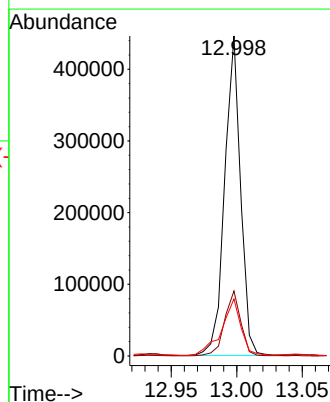
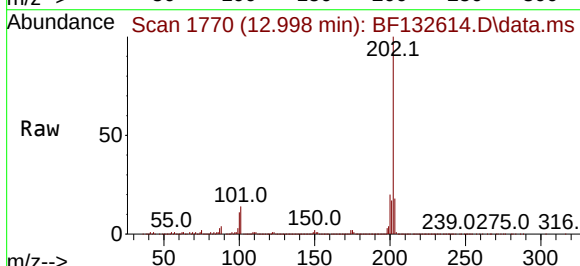
Tgt Ion:202 Resp: 374818

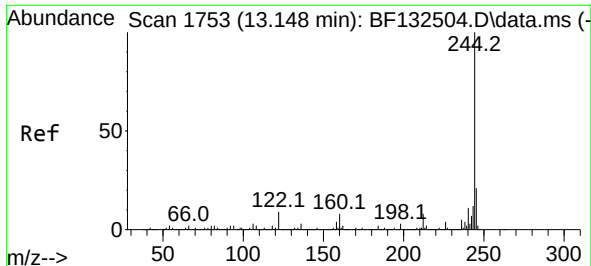
Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 17.8 14.6 21.8

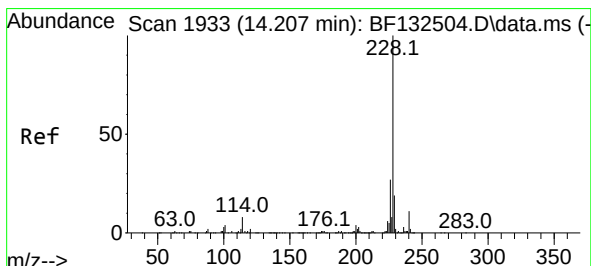
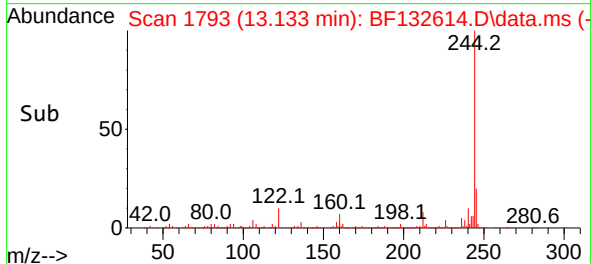
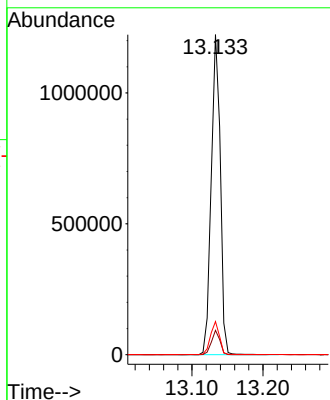
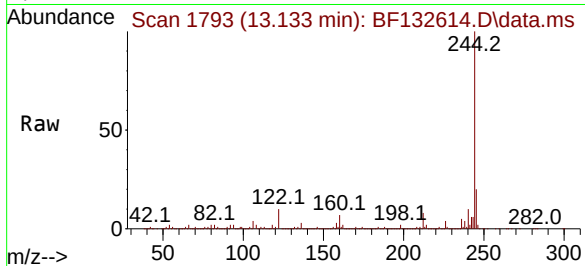




#79
 Terphenyl-d14
 Concen: 44.757 ng
 RT: 13.133 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

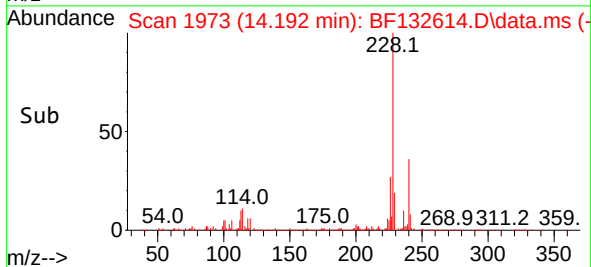
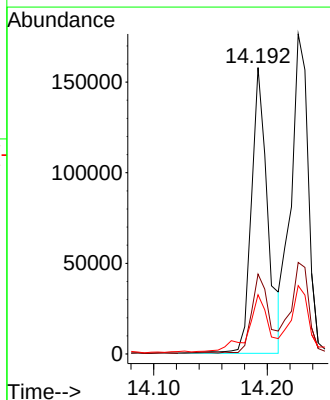
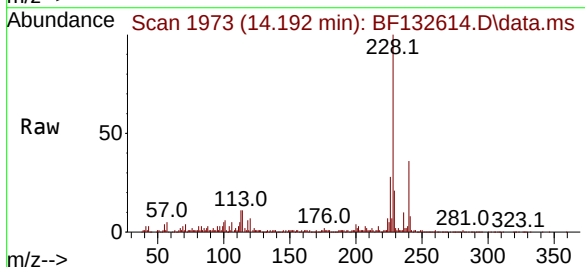
Instrument :
 BNA_F
 ClientSampleId :
 72-11998

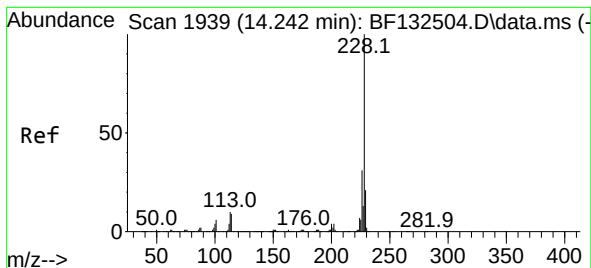
Tgt Ion:244 Resp: 1084055
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 10.3 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 5.131 ng
 RT: 14.192 min Scan# 1973
 Delta R.T. -0.003 min
 Lab File: BF132614.D
 Acq: 02 Mar 2023 18:42

Tgt Ion:228 Resp: 157215
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 20.7 15.4 23.2





#83

Chrysene

Concen: 6.452 ng

RT: 14.227 min Scan# 1939

Delta R.T. -0.009 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

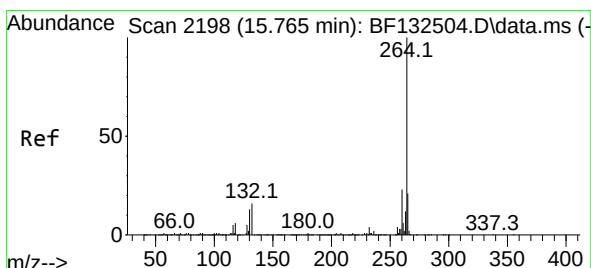
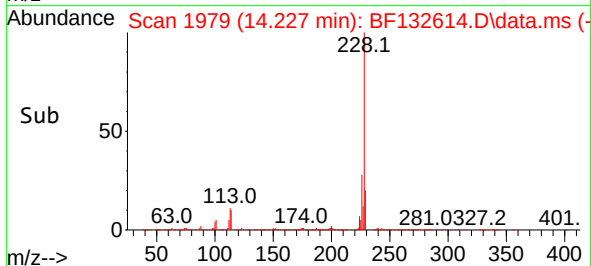
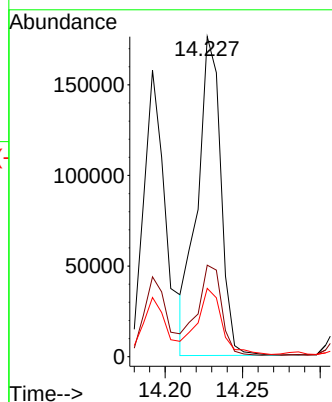
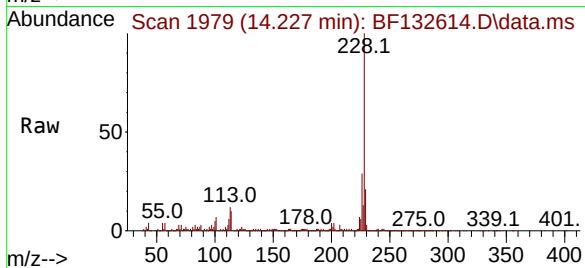
Tgt Ion:228 Resp: 184869

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

229 21.3 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 2240

Delta R.T. 0.009 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

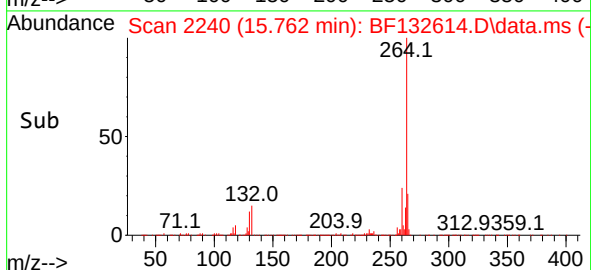
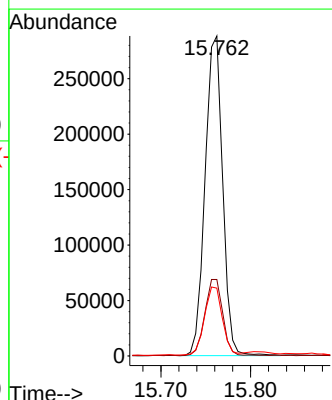
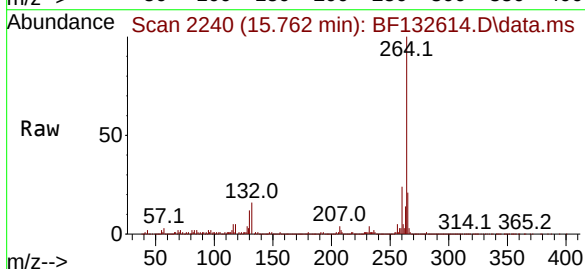
Tgt Ion:264 Resp: 391970

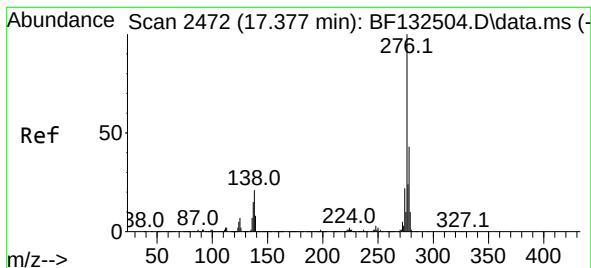
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.290 ng

RT: 17.356 min Scan# 21

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998

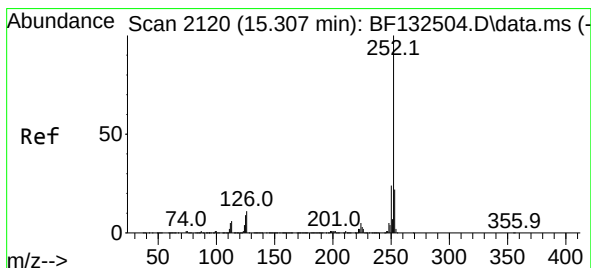
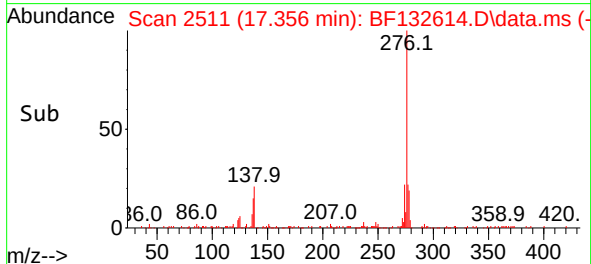
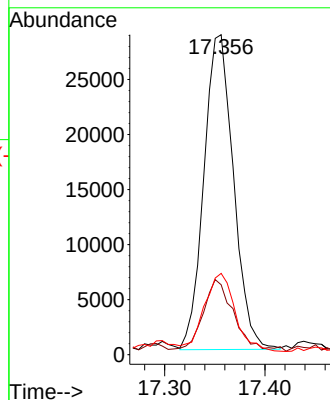
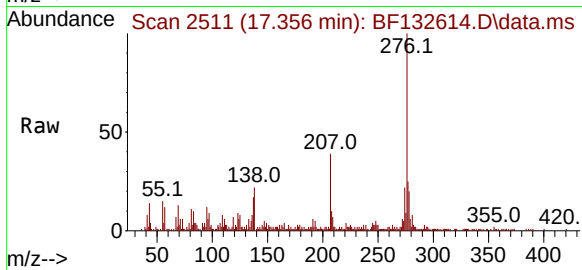
Tgt Ion:276 Resp: 58804

Ion Ratio Lower Upper

276 100

138 23.7 19.0 28.4

277 25.9 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 10.542 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132614.D

Acq: 02 Mar 2023 18:42

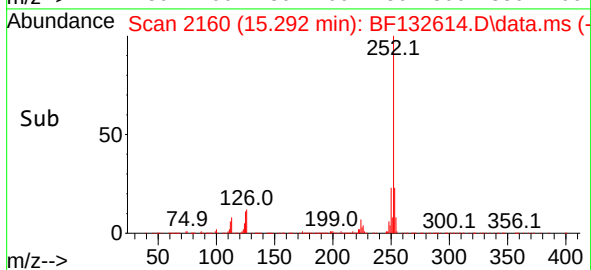
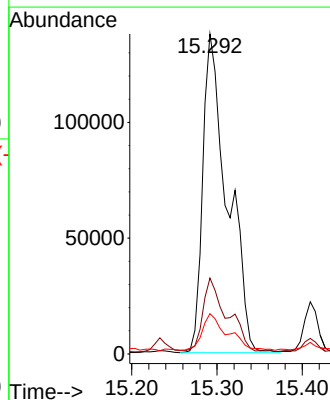
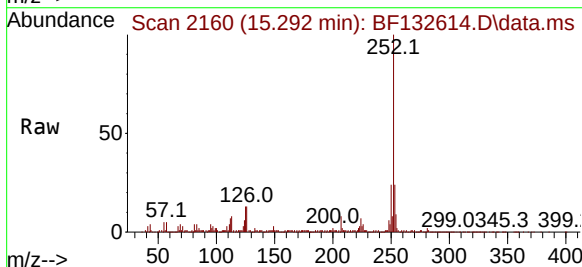
Tgt Ion:252 Resp: 276904

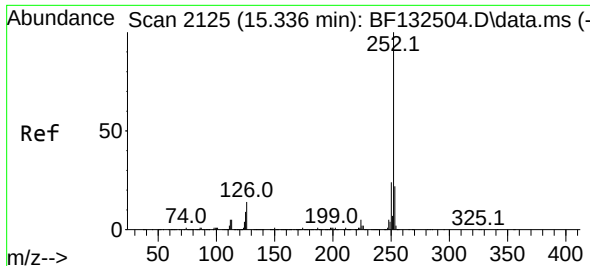
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 12.6 7.0 10.6#

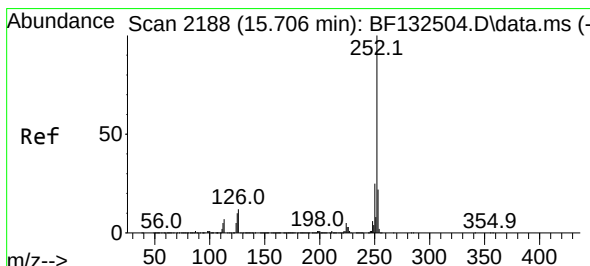
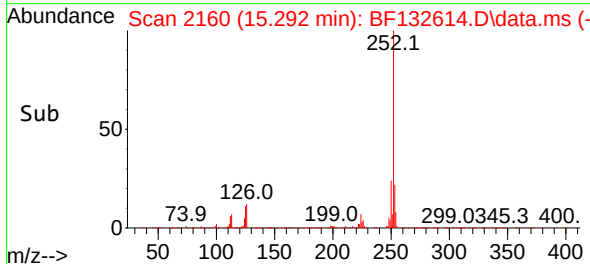
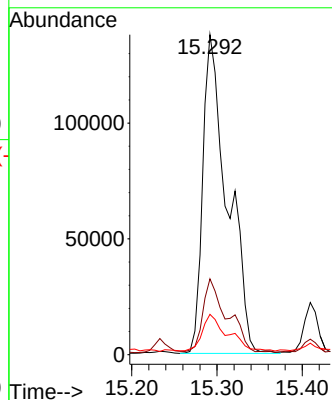
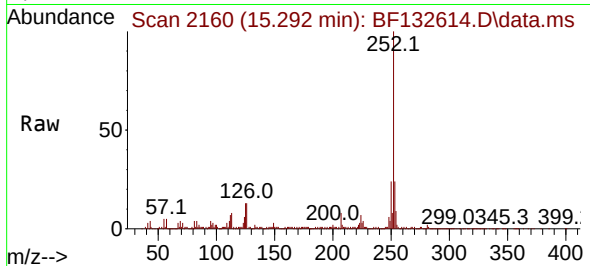




#89
Benzo(k)fluoranthene
Concen: 10.771 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.032 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

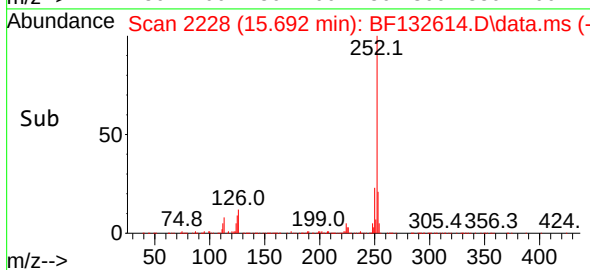
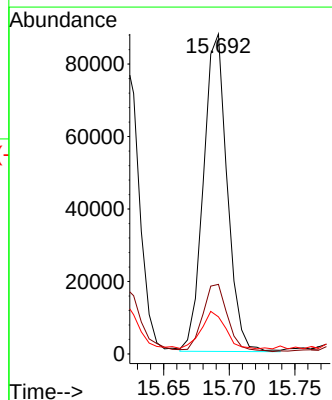
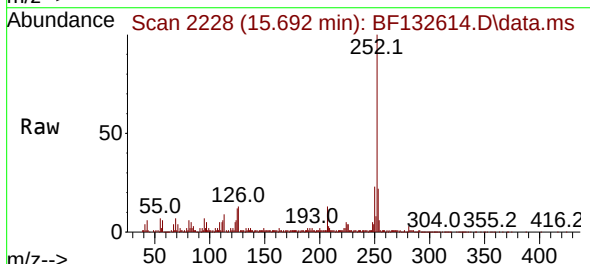
Instrument :
BNA_F
ClientSampleId :
72-11998

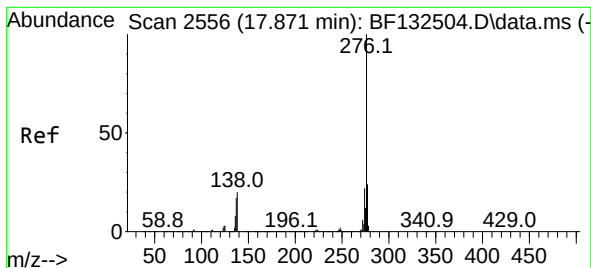
Tgt Ion:252 Resp: 276904
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 12.6 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.498 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BF132614.D
Acq: 02 Mar 2023 18:42

Tgt Ion:252 Resp: 110570
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 11.6 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 3.913 ng

RT: 17.839 min Scan# 21

Delta R.T. -0.015 min

Lab File: BF132614.D

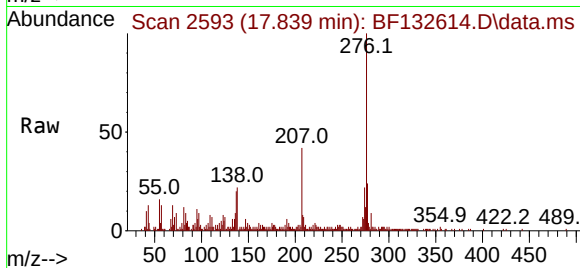
Acq: 02 Mar 2023 18:42

Instrument :

BNA_F

ClientSampleId :

72-11998



Tgt Ion:276 Resp: 56249

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 22.4 16.2 24.4

