

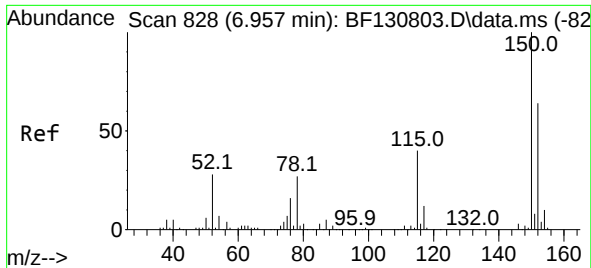
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130969.D
 Acq On : 03 Nov 2022 20:23
 Operator : CG\JU
 Sample : N5395-09RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122

Quant Time: Nov 04 06:22:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	85441	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	313803	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	149724	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	220105	20.000	ng	0.00
76) Chrysene-d12	14.104	240	185912	20.000	ng	0.00
86) Perylene-d12	15.609	264	205583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	546684	110.923	ng	0.00
7) Phenol-d6	6.539	99	699357	109.196	ng	0.00
23) Nitrobenzene-d5	7.481	82	469420	90.201	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	123247	97.786	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	755872	76.326	ng	0.00
79) Terphenyl-d14	13.045	244	550796	54.290	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.310	107	14031	2.990	ng	# 70
19) n-Nitroso-di-n-propyla...	7.481	70	64687	14.845	ng	# 78
20) 3+4-Methylphenols	7.310	107	14031	2.300	ng	85
25) Isophorone	7.481	82	469414	43.741	ng	# 66
32) Benzoic acid	7.975	122	57	7.695	ng	# 1
48) 2-Nitroaniline	9.504	65	185	4.208	ng	# 12
51) 2,6-Dinitrotoluene	9.963	165	19452	12.161	ng	# 14
57) 2,4-Dinitrotoluene	9.963	165	19452	11.015	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.751	198	429	8.318	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	7732	3.493	ng	# 1
71) Phenanthrene	11.474	178	88116	7.756	ng	97
72) Anthracene	11.527	178	23262	2.076	ng	97
75) Fluoranthene	12.668	202	208070	17.238	ng	99
78) Pyrene	12.904	202	183831	11.720	ng	98
81) Benzo(a)anthracene	14.127	228	120150	9.748	ng	97
83) Chrysene	14.127	228	120150	10.106	ng	98
87) Indeno(1,2,3-cd)pyrene	17.133	276	73170	5.360	ng	# 94
88) Benzo(b)fluoranthene	15.162	252	229014	17.233	ng	# 98
89) Benzo(k)fluoranthene	15.162	252	229014	17.685	ng	99
90) Benzo(a)pyrene	15.545	252	122098	11.429	ng	98
92) Benzo(g,h,i)perylene	17.598	276	65236	5.746	ng	97

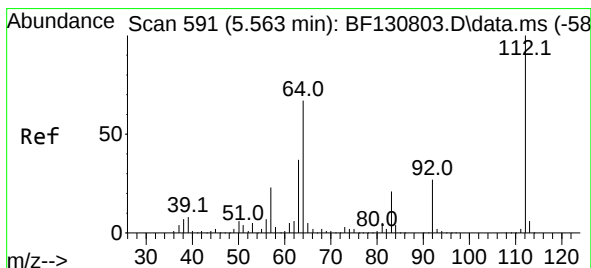
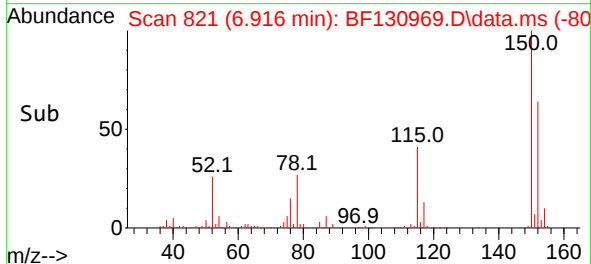
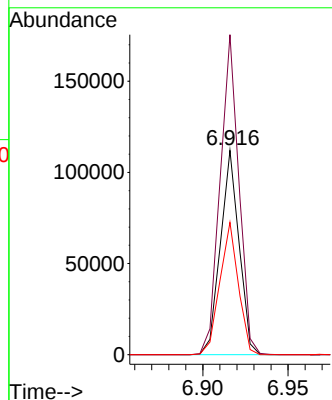
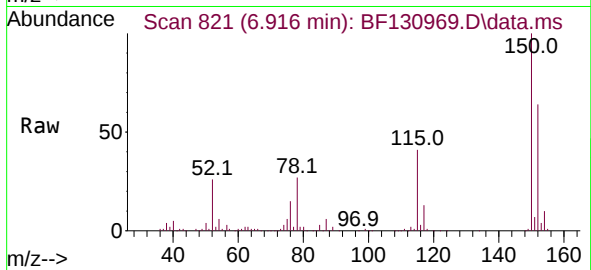
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

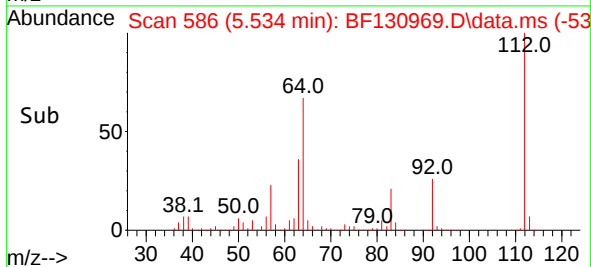
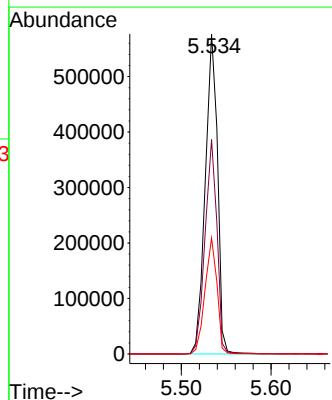
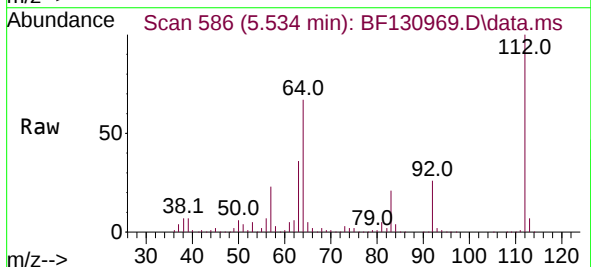
Instrument :
BNA_F
ClientSampleId :
S-6-103122

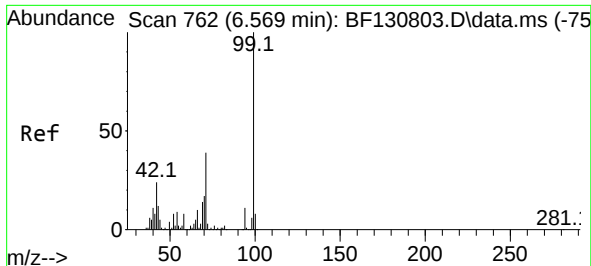
Tgt Ion:152 Resp: 85441
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 64.7 50.1 75.1



#5
2-Fluorophenol
Concen: 110.923 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:112 Resp: 546684
Ion Ratio Lower Upper
112 100
64 67.0 53.9 80.9
63 36.2 29.4 44.2

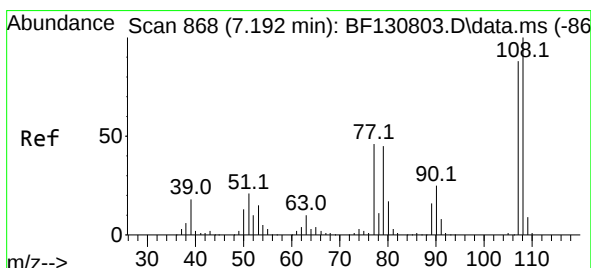
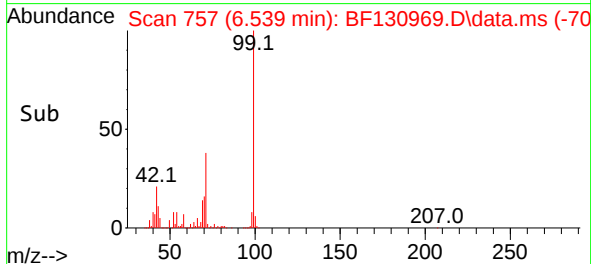
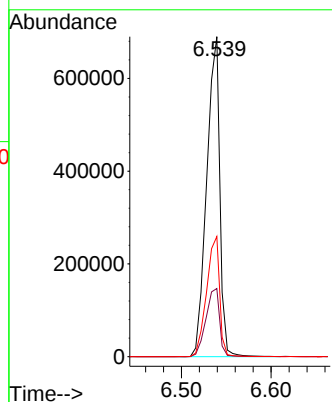
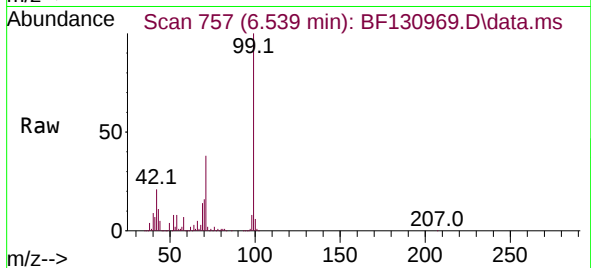




#7
Phenol-d6
Concen: 109.196 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

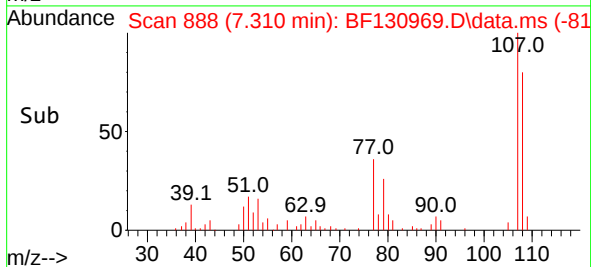
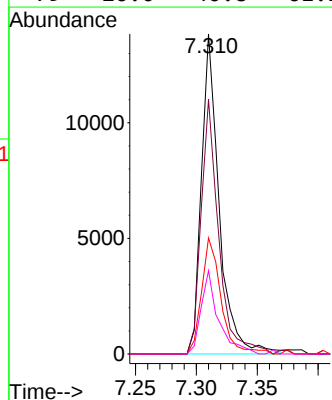
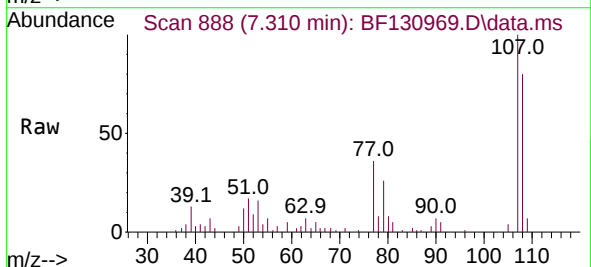
Instrument :
BNA_F
ClientSampleId :
S-6-103122

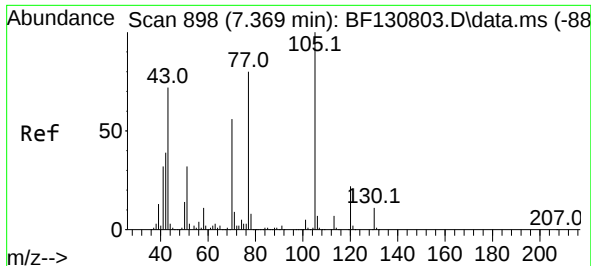
Tgt Ion: 99 Resp: 699357
Ion Ratio Lower Upper
99 100
42 21.3 18.8 28.2
71 37.6 31.4 47.0



#17
2-Methylphenol
Concen: 2.990 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion: 107 Resp: 14031
Ion Ratio Lower Upper
107 100
108 79.6 90.5 135.7#
77 36.2 41.2 61.8#
79 26.0 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 14.845 ng

RT: 7.481 min Scan# 917

Delta R.T. 0.153 min

Lab File: BF130969.D

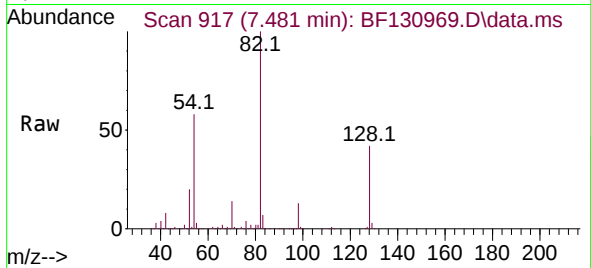
Acq: 03 Nov 2022 20:23

Instrument :

BNA_F

ClientSampleId :

S-6-103122



Tgt Ion: 70 Resp: 64687

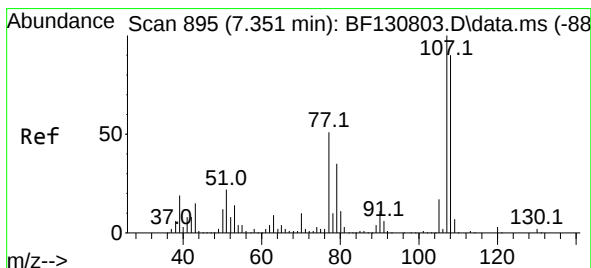
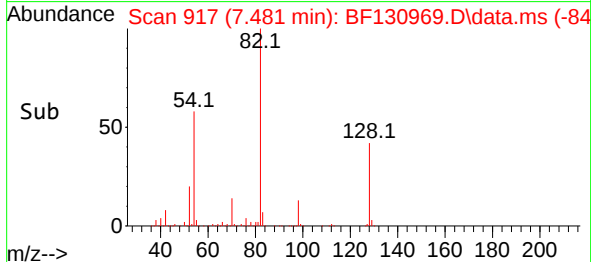
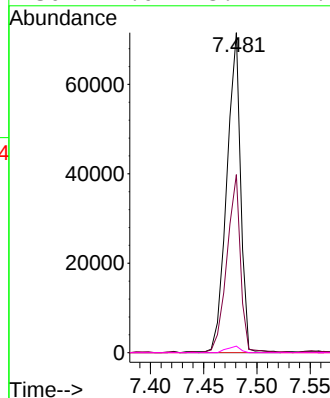
Ion Ratio Lower Upper

70 100

42 55.6 56.1 84.1#

101 0.0 7.3 10.9#

130 2.0 15.2 22.8#



#20

3+4-Methylphenols

Concen: 2.300 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF130969.D

Acq: 03 Nov 2022 20:23

Tgt Ion: 107 Resp: 14031

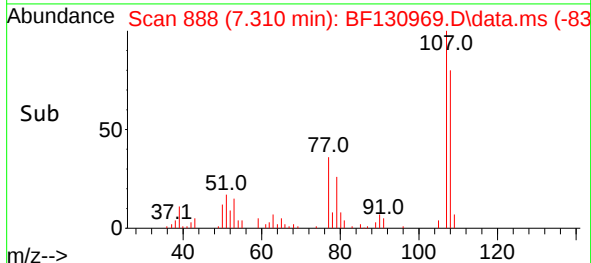
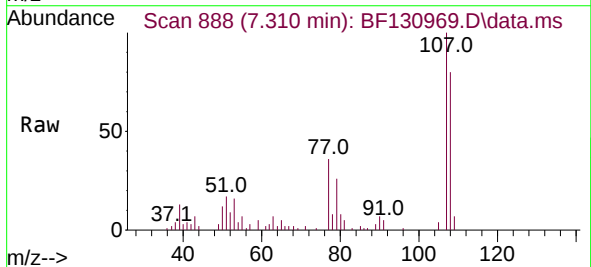
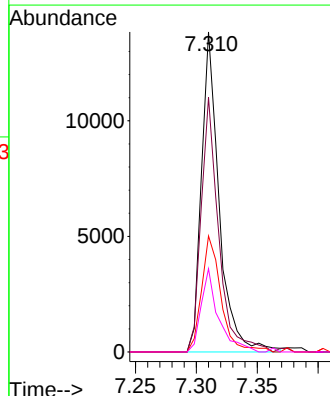
Ion Ratio Lower Upper

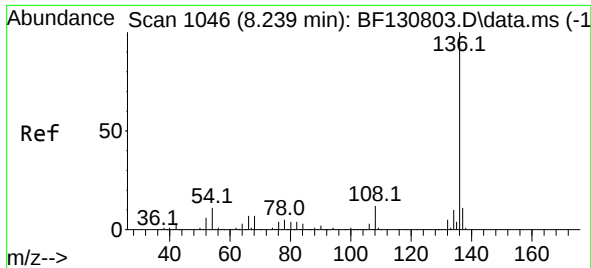
107 100

108 79.6 70.4 110.4

77 36.2 31.1 71.1

79 26.0 14.5 54.5



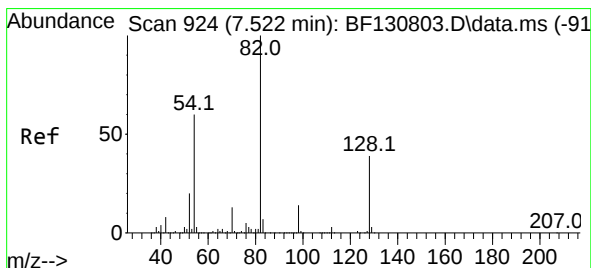
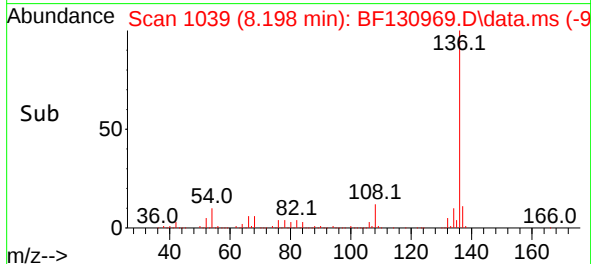
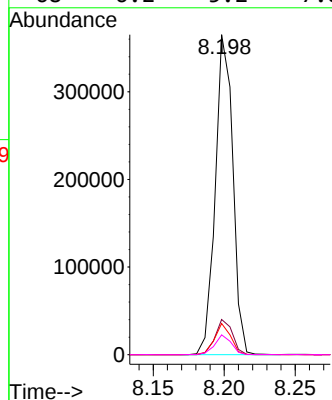
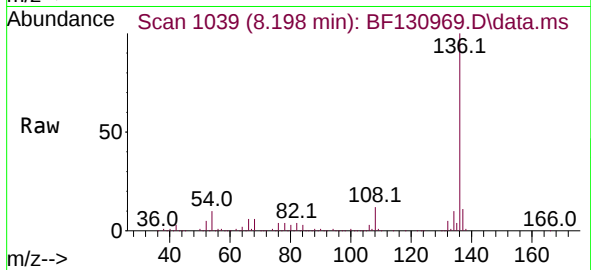


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:136 Resp: 313803

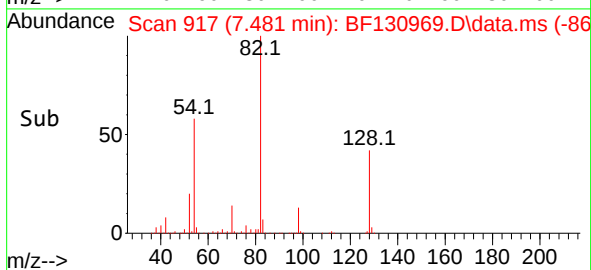
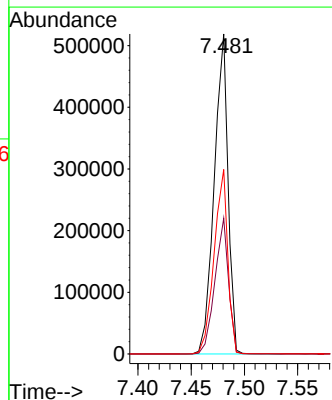
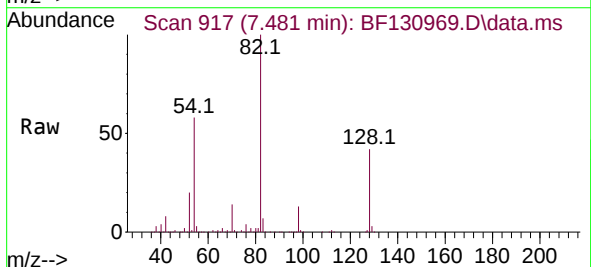
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.8	8.8	13.2
68	6.2	5.2	7.8

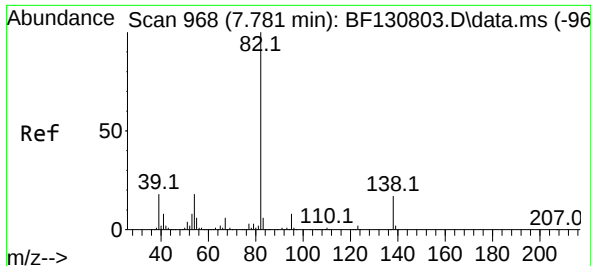


#23
Nitrobenzene-d5
Concen: 90.201 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion: 82 Resp: 469420

Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.2	46.8
54	57.6	48.0	72.0

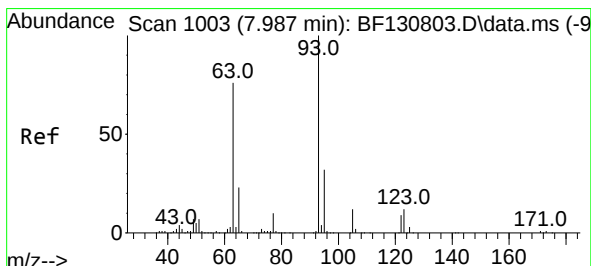
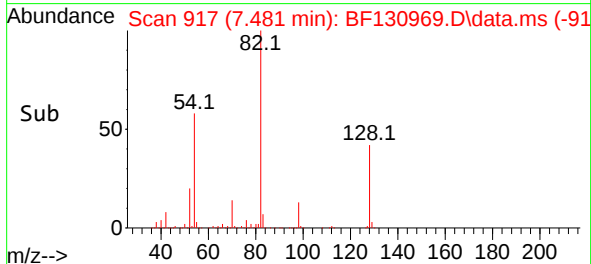
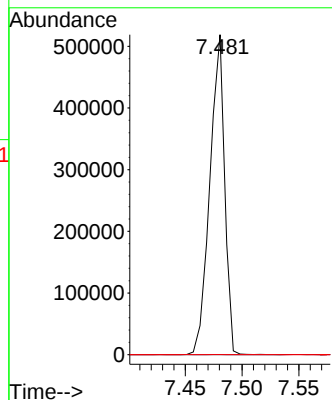
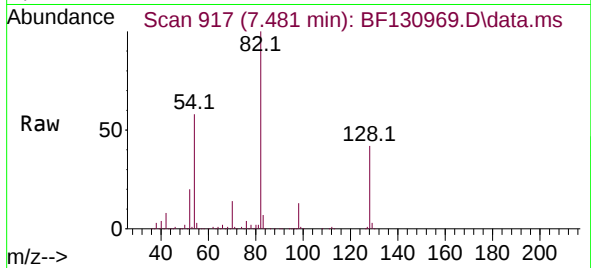




#25
Isophorone
Concen: 43.741 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

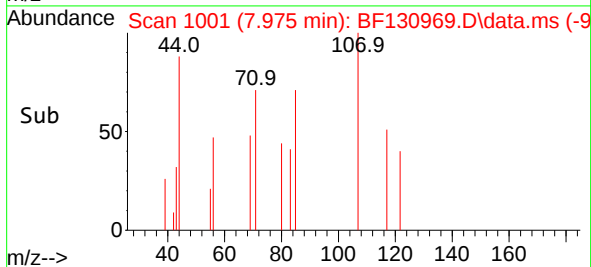
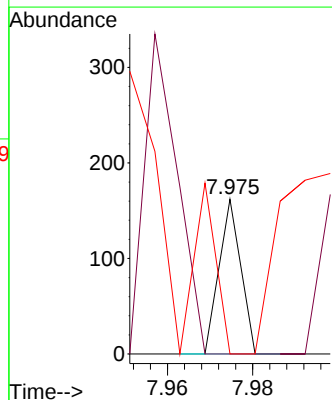
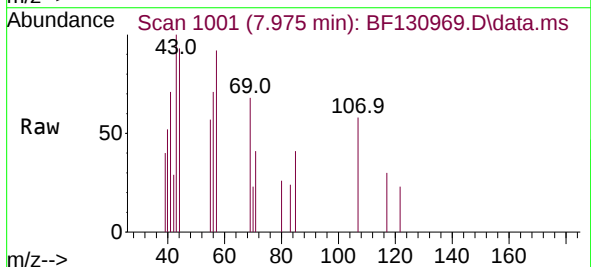
Instrument :
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ClientSampleId :
S-6-103122

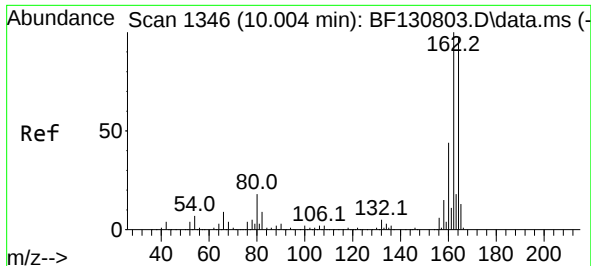
Tgt Ion: 82 Resp: 469414
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.695 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.012 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion: 122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 0.0 89.8 129.8#

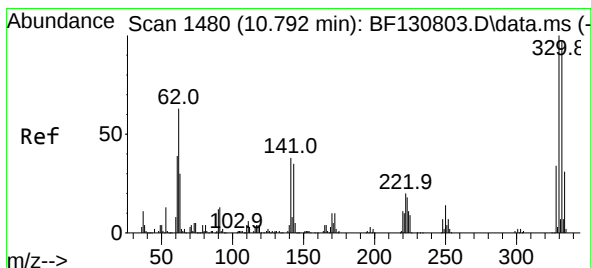
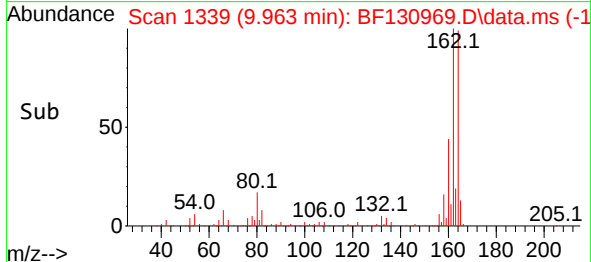
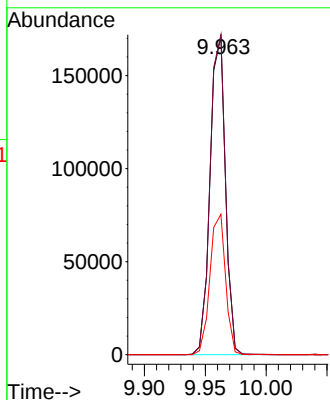
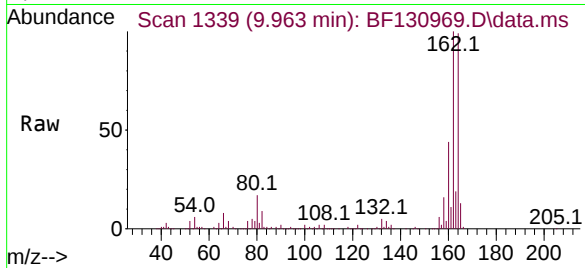




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

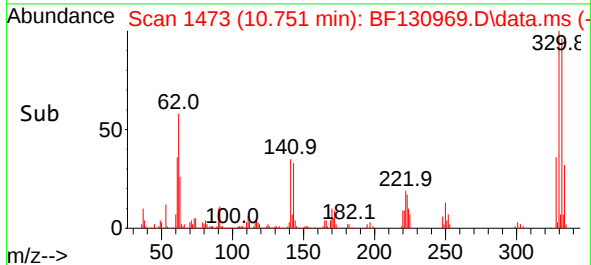
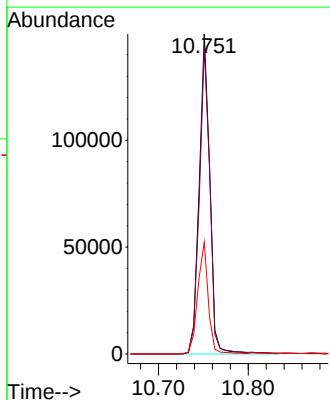
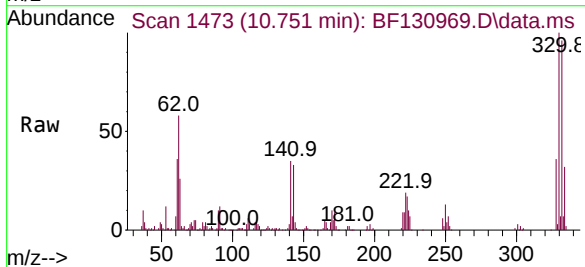
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ClientSampleId :
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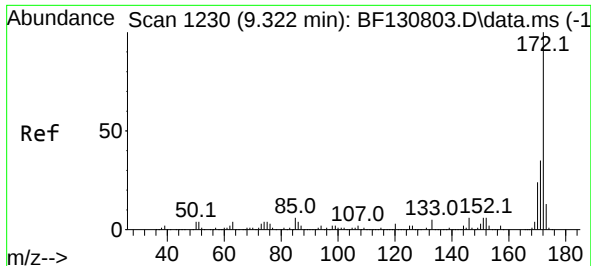
Tgt Ion:164 Resp: 149724
Ion Ratio Lower Upper
164 100
162 100.7 82.2 123.2
160 44.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 97.786 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:330 Resp: 123247
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 34.6 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 76.326 ng

RT: 9.280 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130969.D

Acq: 03 Nov 2022 20:23

Instrument :

BNA_F

ClientSampleId :

S-6-103122

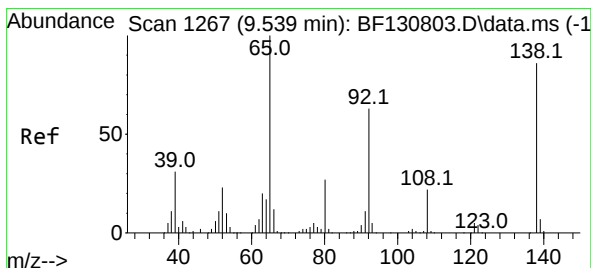
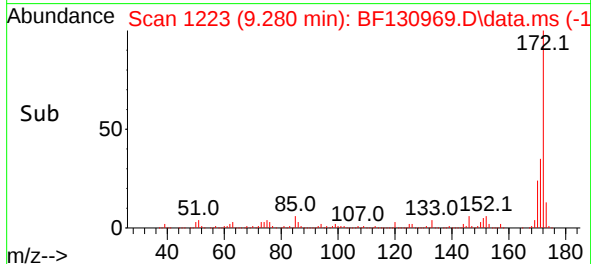
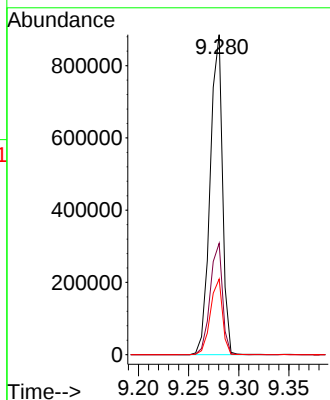
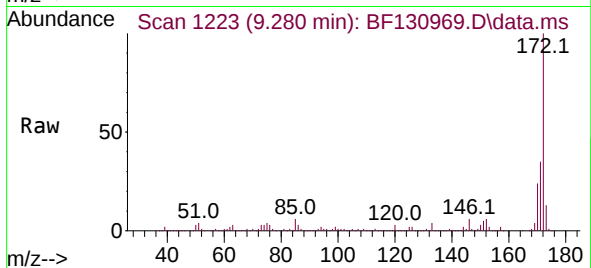
Tgt Ion:172 Resp: 755872

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 4.208 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.000 min

Lab File: BF130969.D

Acq: 03 Nov 2022 20:23

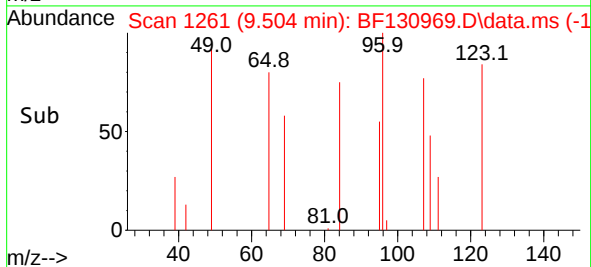
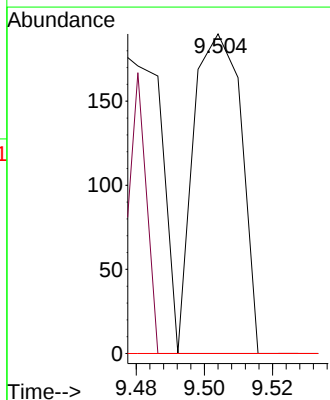
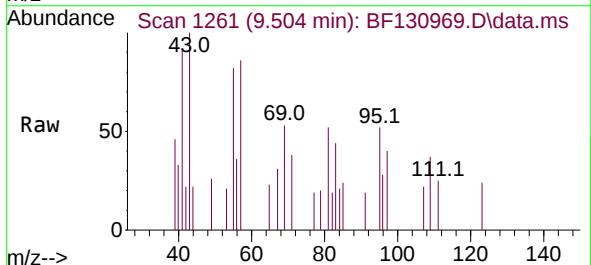
Tgt Ion: 65 Resp: 185

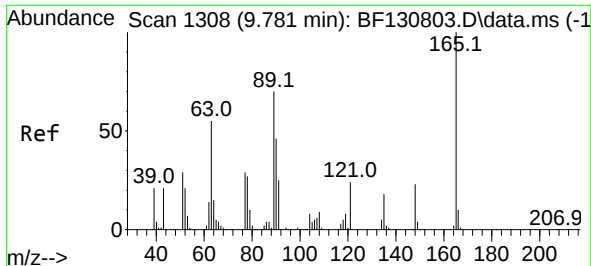
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

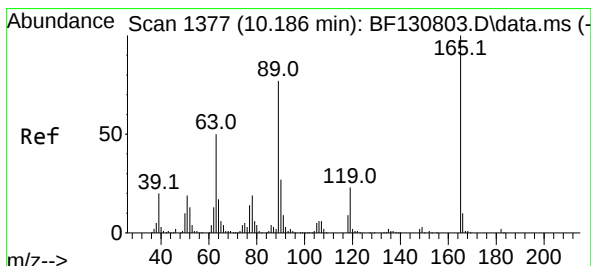
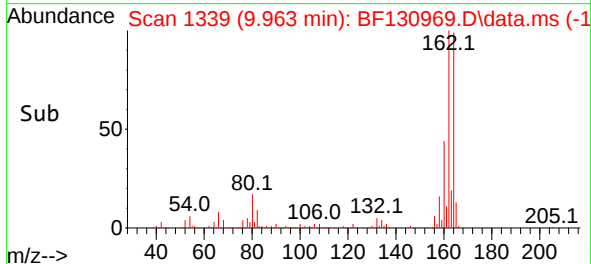
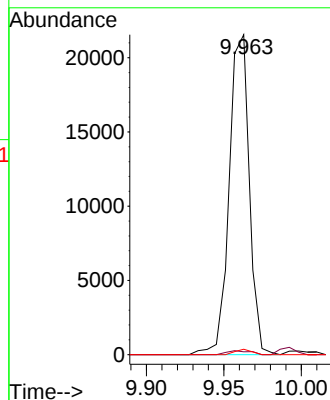
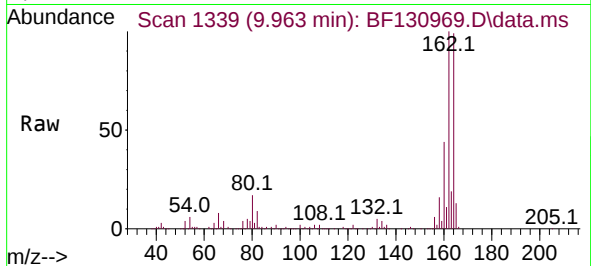




#51
2,6-Dinitrotoluene
Concen: 12.161 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.218 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

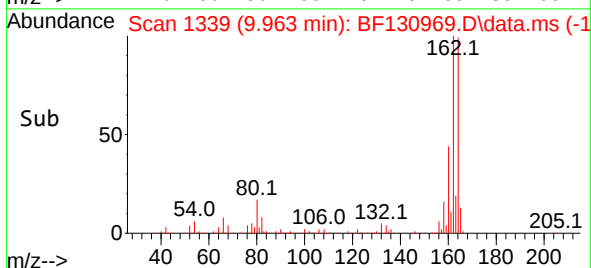
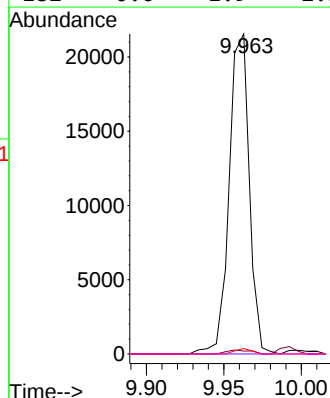
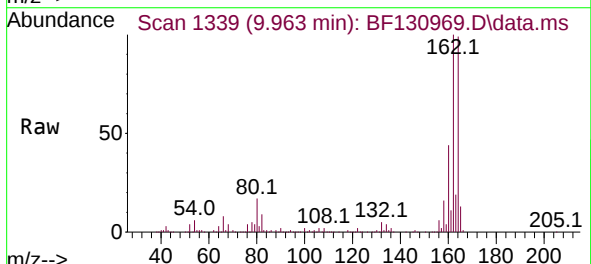
Instrument :
BNA_F
ClientSampleId :
S-6-103122

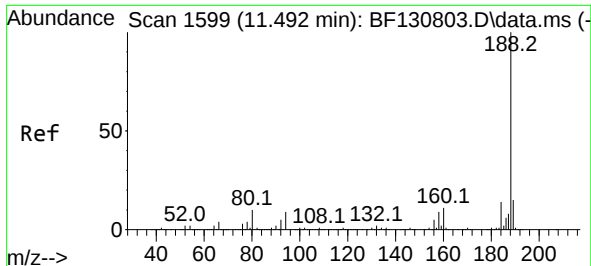
Tgt Ion:165 Resp: 19452
Ion Ratio Lower Upper
165 100
63 0.9 61.8 92.8#
89 1.7 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 11.015 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:165 Resp: 19452
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#

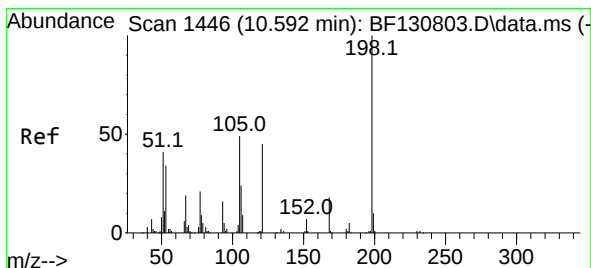
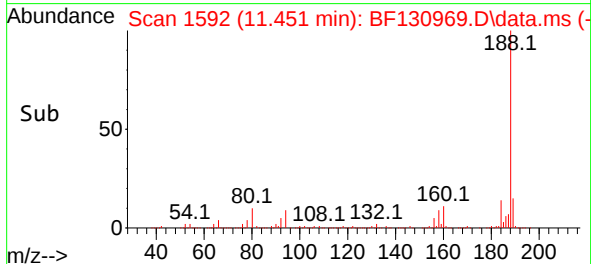
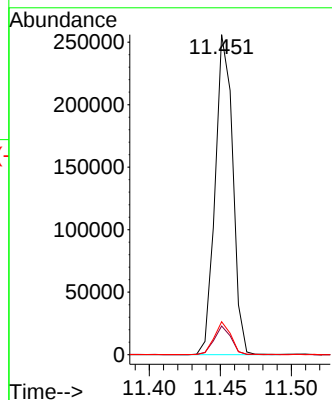
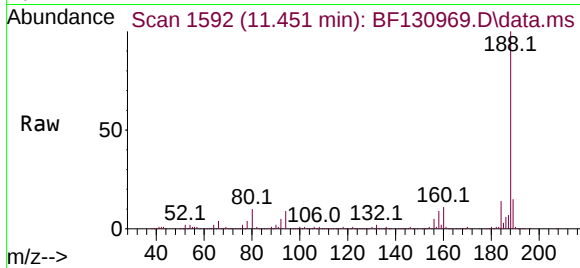




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

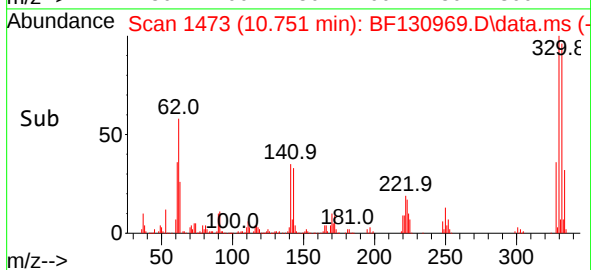
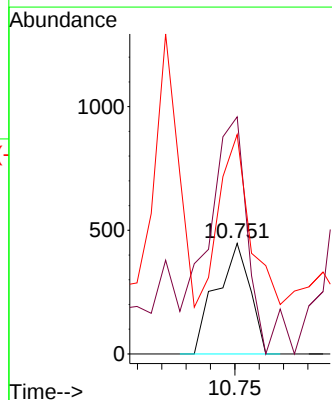
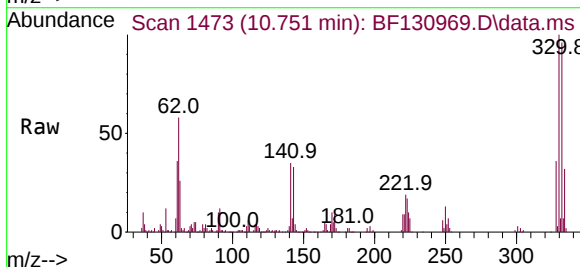
Instrument :
BNA_F
ClientSampleId :
S-6-103122

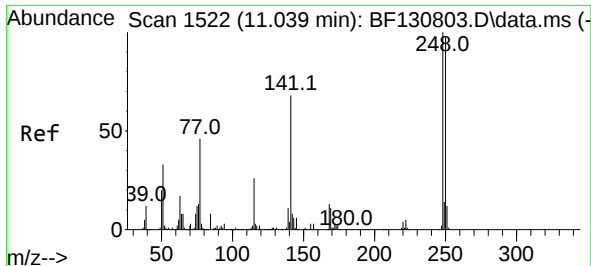
Tgt Ion:188 Resp: 220105
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.3 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.318 ng
RT: 10.751 min Scan# 1473
Delta R.T. 0.188 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:198 Resp: 429
Ion Ratio Lower Upper
198 100
51 214.5 39.0 79.0#
105 198.4 30.6 70.6#

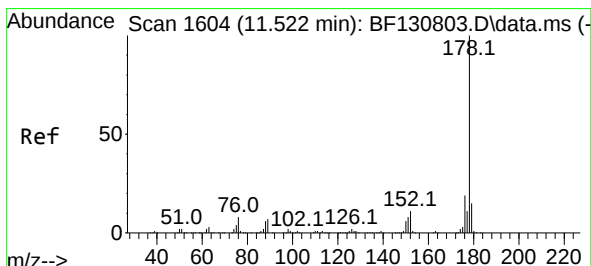
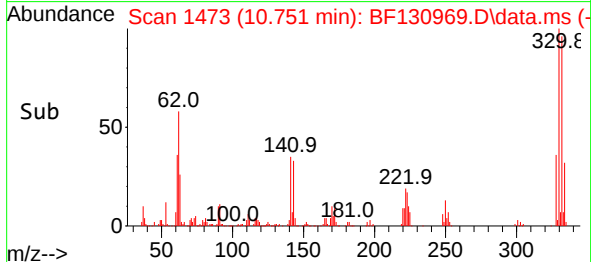
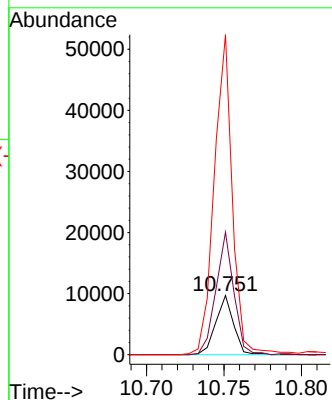
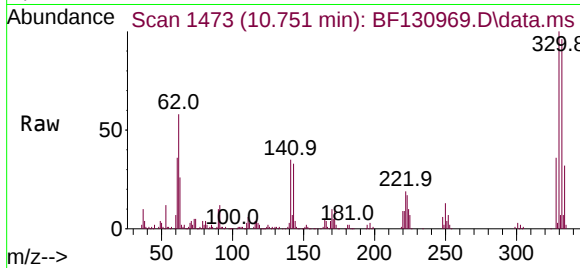




#67
4-Bromophenyl-phenylether
Concen: 3.493 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.247 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

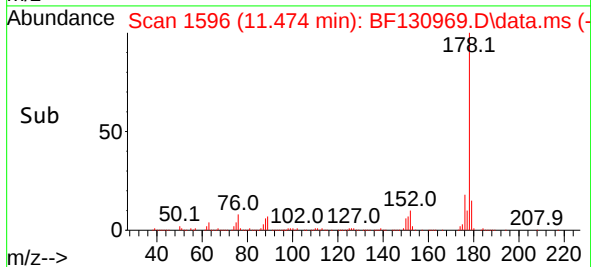
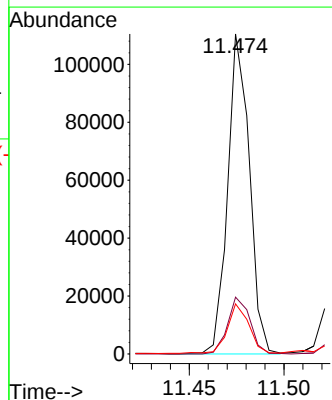
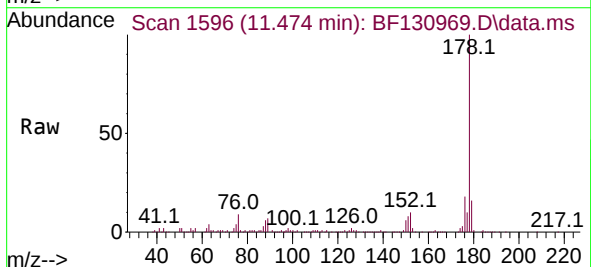
Instrument :
BNA_F
ClientSampleId :
S-6-103122

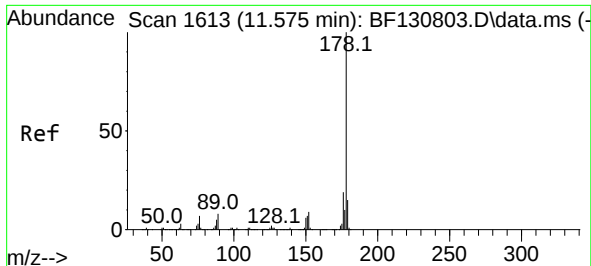
Tgt Ion:248 Resp: 7732
Ion Ratio Lower Upper
248 100
250 206.9 78.6 117.8#
141 540.0 54.2 81.4#



#71
Phenanthrene
Concen: 7.756 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:178 Resp: 88116
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.6 12.2 18.2

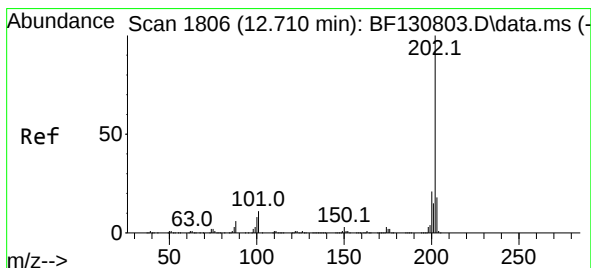
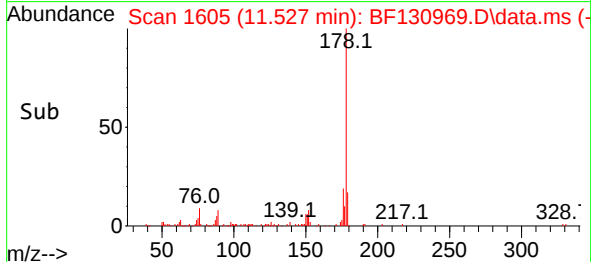
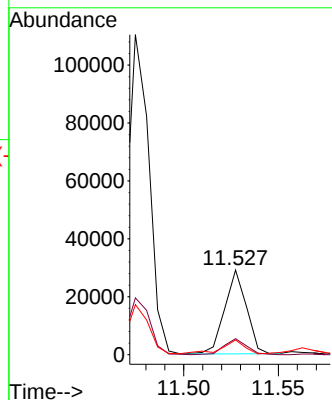
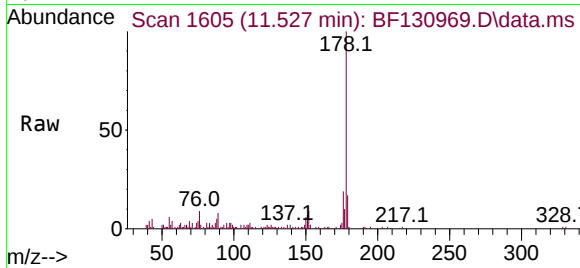




#72
 Anthracene
 Concen: 2.076 ng
 RT: 11.527 min Scan# 1799
 Delta R.T. -0.006 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

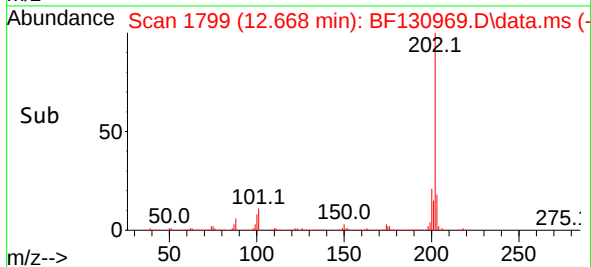
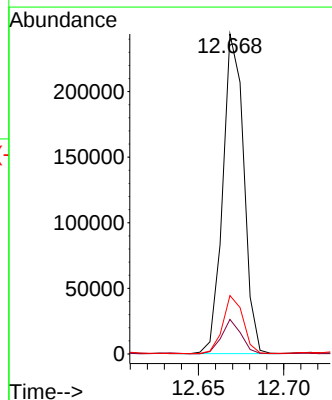
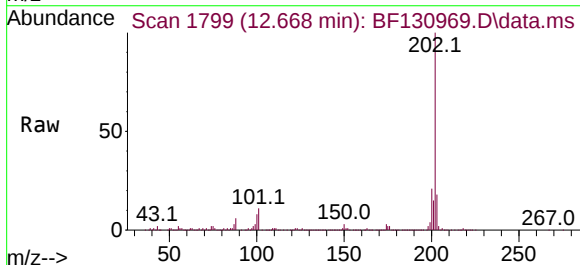
Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122

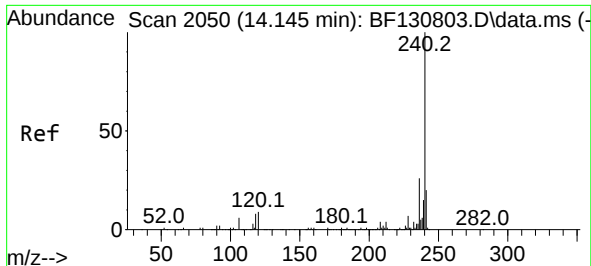
Tgt Ion:178 Resp: 23262
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 17.4 12.2 18.4



#75
 Fluoranthene
 Concen: 17.238 ng
 RT: 12.668 min Scan# 1799
 Delta R.T. -0.006 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

Tgt Ion:202 Resp: 208070
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.9
 203 18.2 0.0 37.7

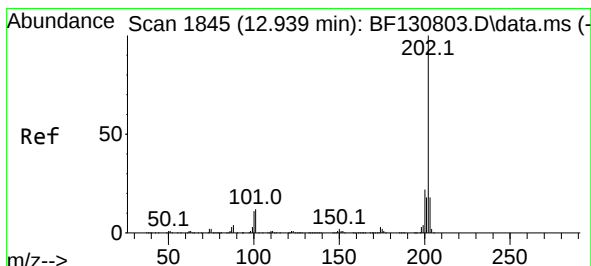
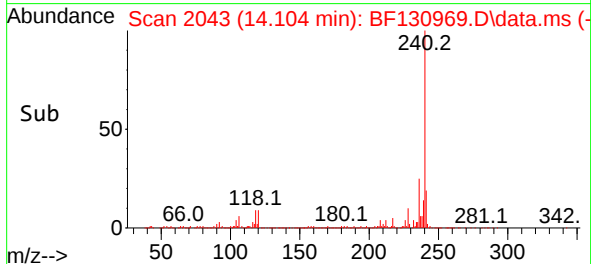
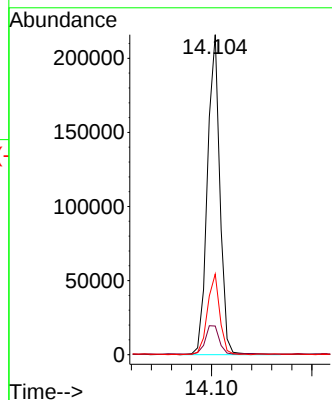
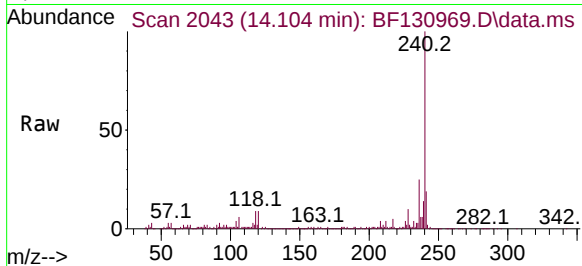




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

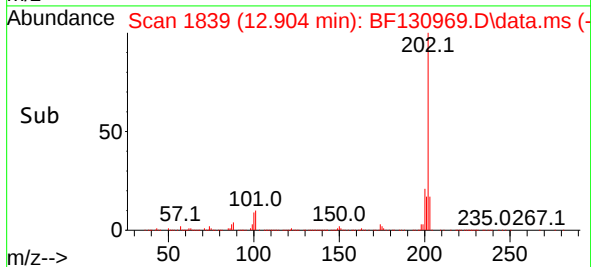
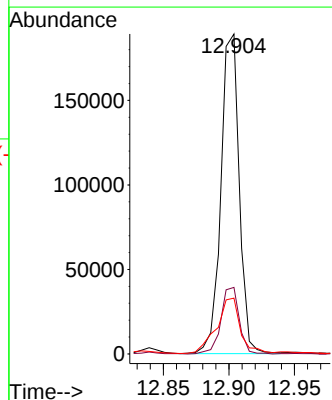
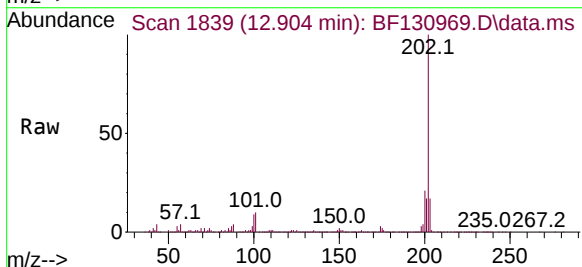
Instrument :
BNA_F
ClientSampleId :
S-6-103122

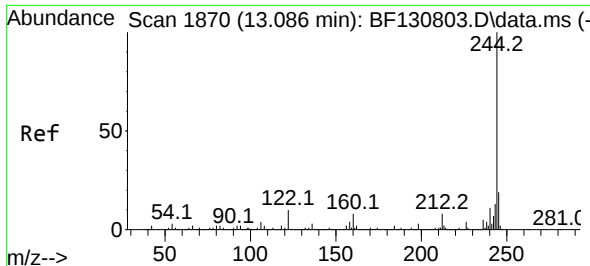
Tgt Ion:240 Resp: 185912
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 25.2 20.5 30.7



#78
Pyrene
Concen: 11.720 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:202 Resp: 183831
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.4 14.5 21.7

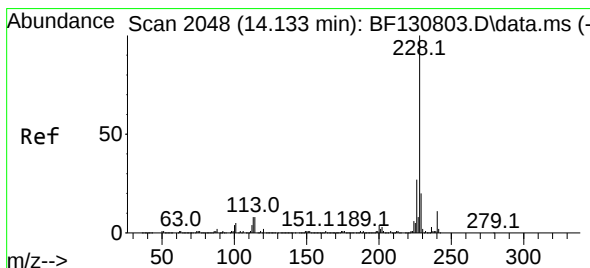
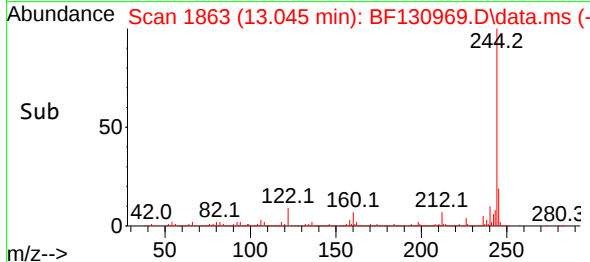
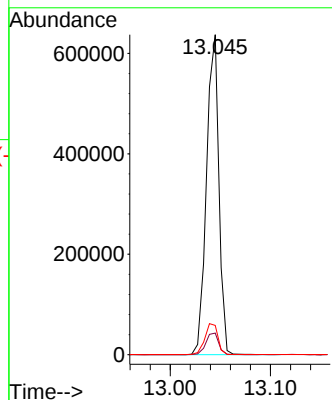
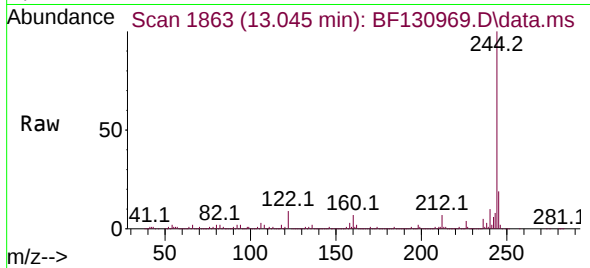




#79
 Terphenyl-d14
 Concen: 54.290 ng
 RT: 13.045 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

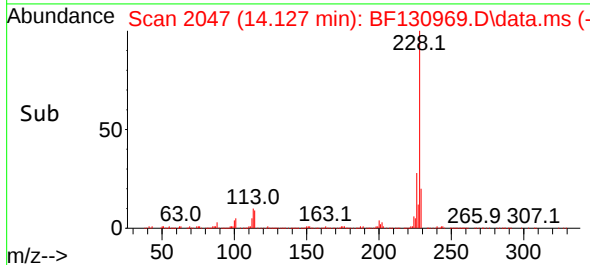
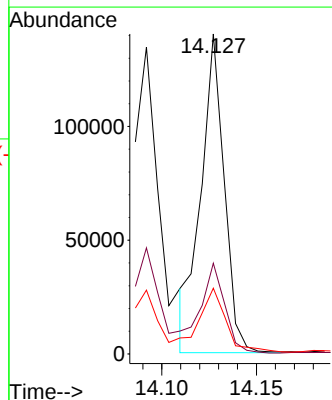
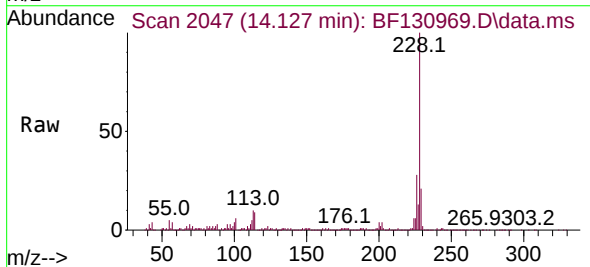
Instrument :
 BNA_F
 ClientSampleId :
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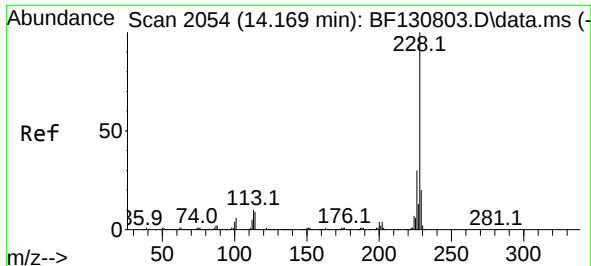
Tgt Ion:244 Resp: 550796
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 9.2 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 9.748 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. 0.029 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

Tgt Ion:228 Resp: 120150
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.4 32.2
 229 20.6 15.8 23.6

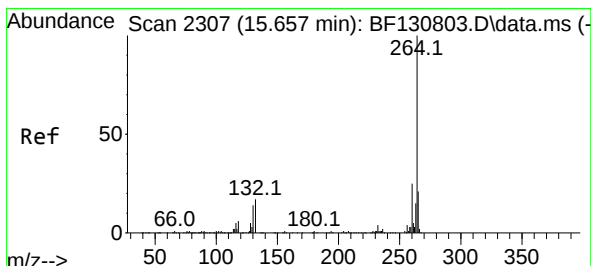
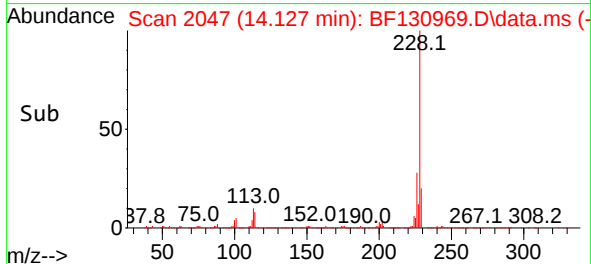
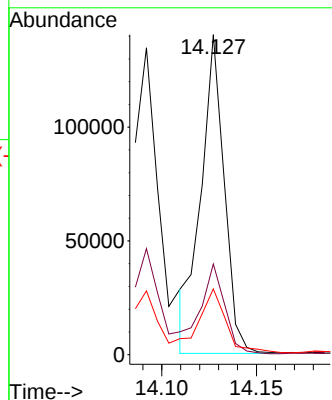
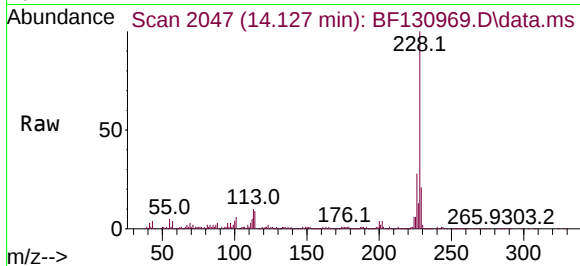




#83
Chrysene
Concen: 10.106 ng
RT: 14.127 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

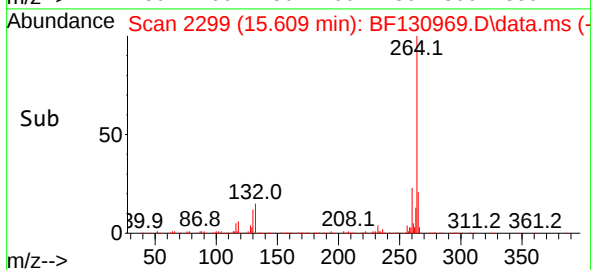
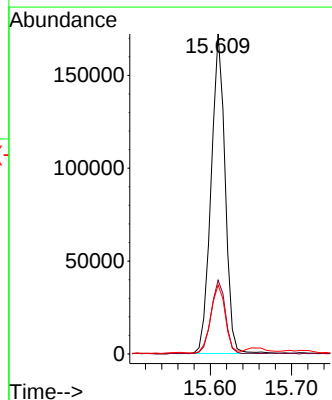
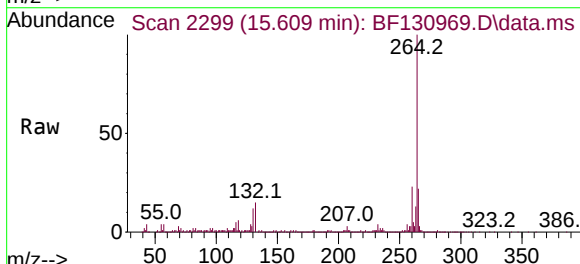
Instrument :
BNA_F
ClientSampleId :
S-6-103122

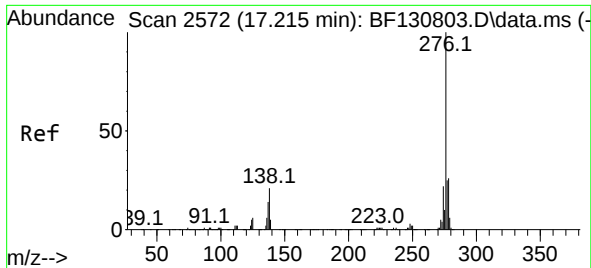
Tgt Ion:228 Resp: 120150
Ion Ratio Lower Upper
228 100
226 28.3 23.9 35.9
229 20.6 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:264 Resp: 205583
Ion Ratio Lower Upper
264 100
260 23.0 19.9 29.9
265 21.6 17.0 25.6

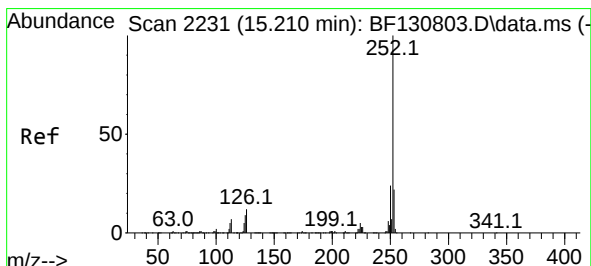
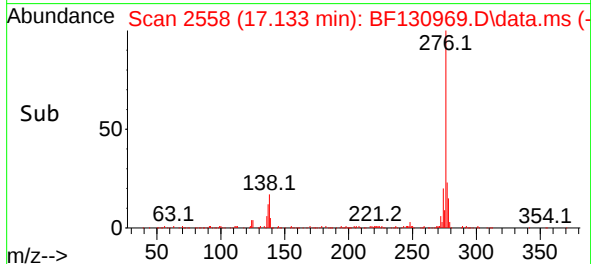
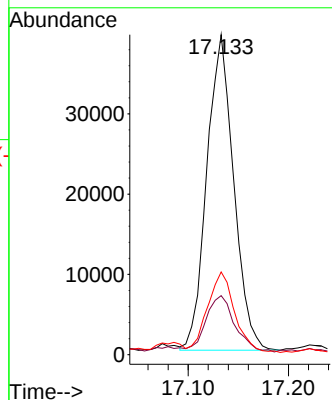
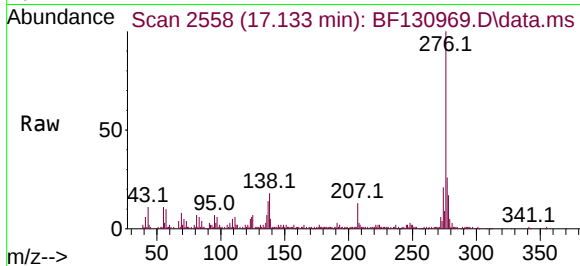




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.360 ng
 RT: 17.133 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

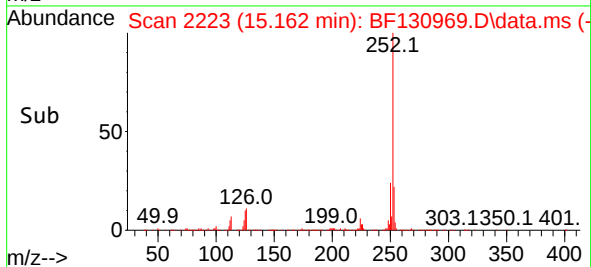
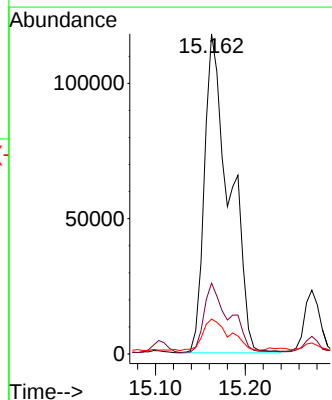
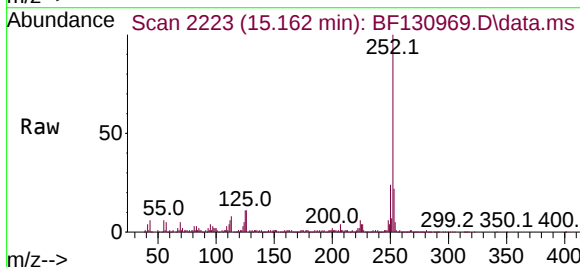
Instrument :
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 ClientSampleId :
 S-6-103122

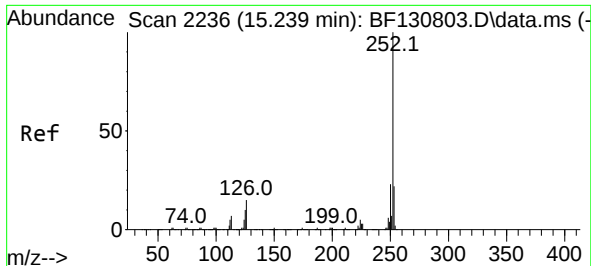
Tgt Ion:276 Resp: 73170
 Ion Ratio Lower Upper
 276 100
 138 19.1 19.1 28.7#
 277 25.9 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 17.233 ng
 RT: 15.162 min Scan# 2223
 Delta R.T. -0.000 min
 Lab File: BF130969.D
 Acq: 03 Nov 2022 20:23

Tgt Ion:252 Resp: 229014
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 10.9 7.0 10.4#

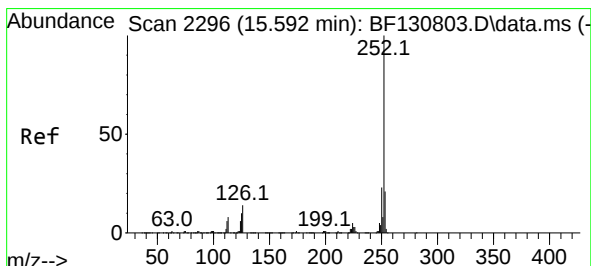
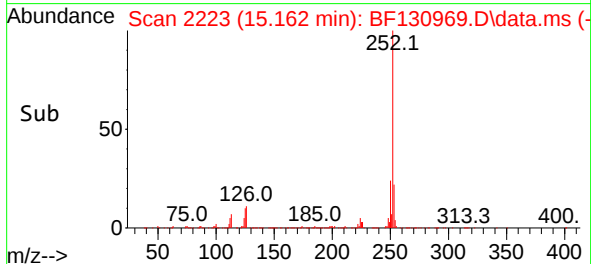
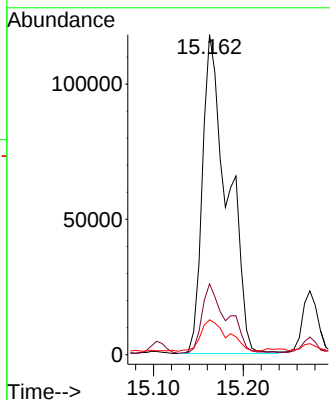
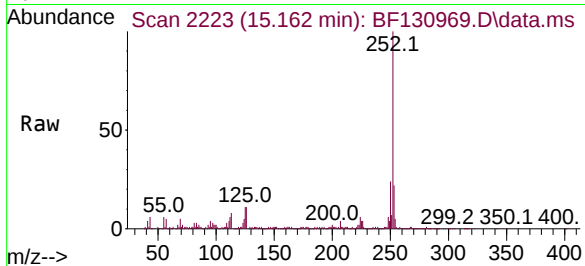




#89
Benzo(k)fluoranthene
Concen: 17.685 ng
RT: 15.162 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

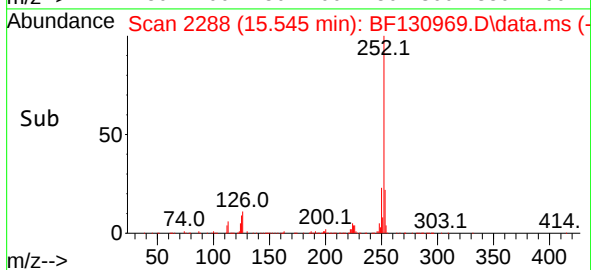
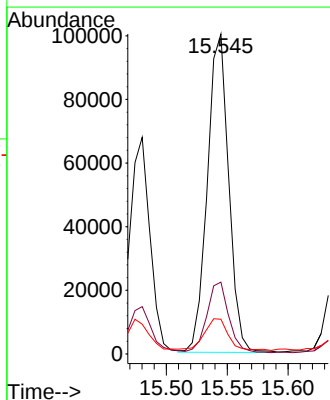
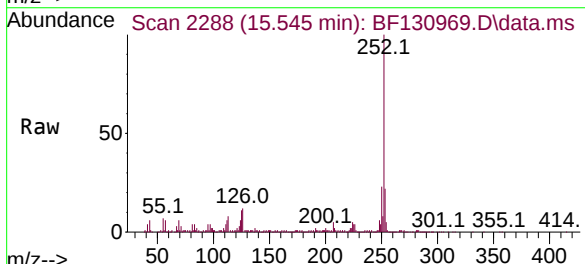
Instrument :
BNA_F
ClientSampleId :
S-6-103122

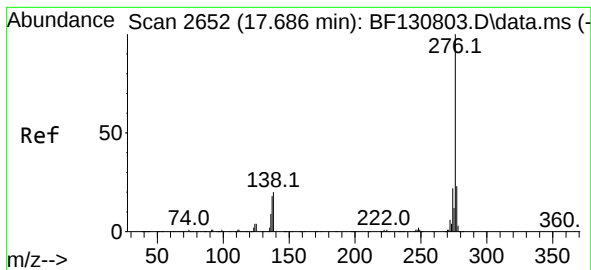
Tgt Ion:252 Resp: 229014
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 8.0 12.0



#90
Benzo(a)pyrene
Concen: 11.429 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:252 Resp: 122098
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 10.8 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 5.746 ng

RT: 17.598 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF130969.D

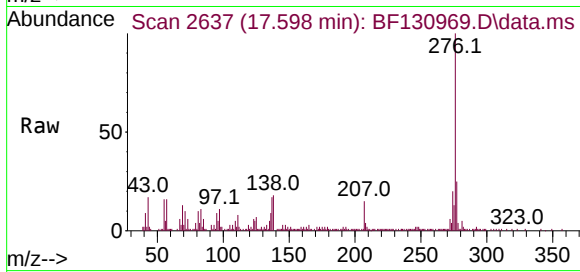
Acq: 03 Nov 2022 20:23

Instrument :

BNA_F

ClientSampleId :

S-6-103122



Tgt Ion:276 Resp: 65236

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 18.3 16.3 24.5

