

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
 Data File : BF128212.D
 Acq On : 11 May 2022 23:39
 Operator : CG\JU
 Sample : N2769-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022

Quant Time: May 12 06:02:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

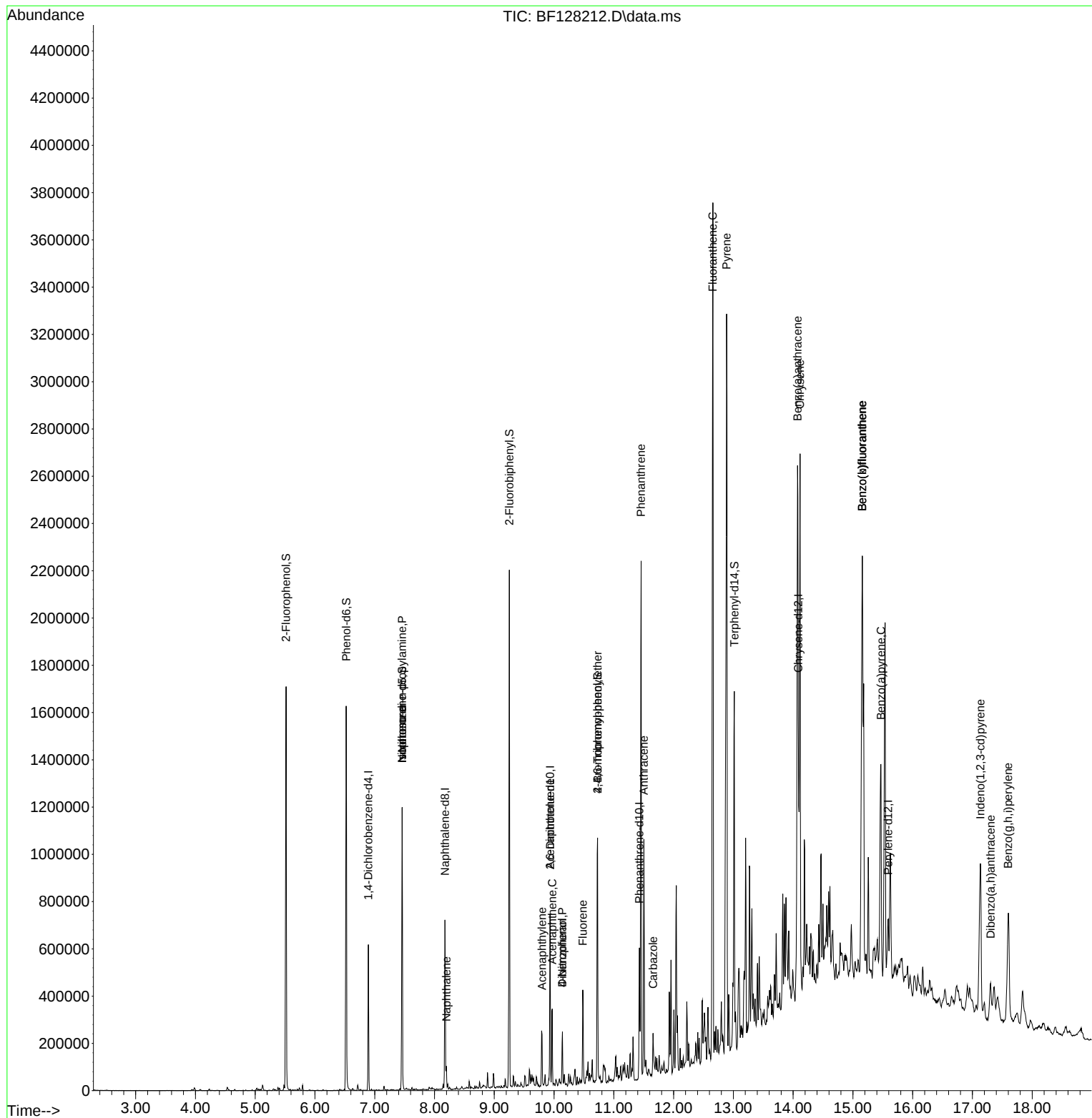
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	74748	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	270516	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	135913	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	206205	20.000	ng	0.00
76) Chrysene-d12	14.086	240	145755	20.000	ng	0.00
86) Perylene-d12	15.592	264	114827	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	405617	86.505	ng	0.00
7) Phenol-d6	6.522	99	533248	85.982	ng	0.00
23) Nitrobenzene-d5	7.457	82	376698	62.659	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	117492	75.375	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	595099	68.510	ng	0.00
79) Terphenyl-d14	13.016	244	502596	64.703	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.446	77	308	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.457	70	50201	13.144	ng	# 80
25) Isophorone	7.457	82	376693	39.966	ng	# 68
31) Naphthalene	8.198	128	33877	2.536	ng	99
49) Acenaphthylene	9.798	152	93192	8.402	ng	98
51) 2,6-Dinitrotoluene	9.934	165	19446	10.107	ng	# 22
52) Acenaphthene	9.969	154	68956	8.966	ng	98
55) Dibenzofuran	10.139	168	72110	6.604	ng	99
56) 4-Nitrophenol	10.139	139	29026	19.916	ng	# 3
58) Fluorene	10.481	166	110714	13.017	ng	98
67) 4-Bromophenyl-phenylether	10.728	248	7034	3.171	ng	# 1
71) Phenanthrene	11.457	178	800004	77.914	ng	99
72) Anthracene	11.504	178	340132	33.179	ng	100
73) Carbazole	11.657	167	51918	5.326	ng	97
75) Fluoranthene	12.657	202	1760894	158.186	ng	99
78) Pyrene	12.886	202	1581940	149.684	ng	99
81) Benzo(a)anthracene	14.074	228	1136767	122.104	ng	96
83) Chrysene	14.116	228	884599	99.583	ng	98
87) Indeno(1,2,3-cd)pyrene	17.133	276	494000	71.119	ng	# 93
88) Benzo(b)fluoranthene	15.157	252	1658817	233.043	ng	97
89) Benzo(k)fluoranthene	15.157	252	1658817	236.083	ng	97
90) Benzo(a)pyrene	15.468	252	531548	92.498	ng	98
91) Dibenzo(a,h)anthracene	17.304	278	113095	20.111	ng	95
92) Benzo(g,h,i)perylene	17.598	276	436293	76.625	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 15:30:11 2022
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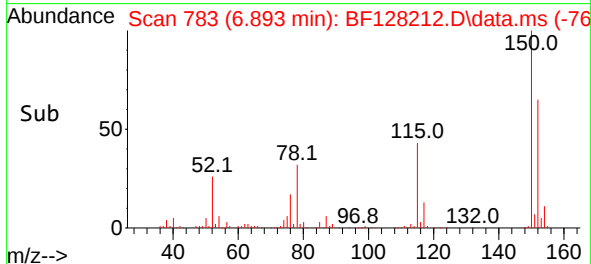
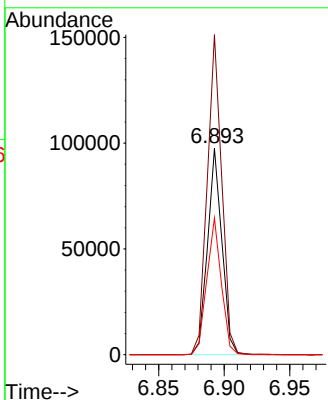
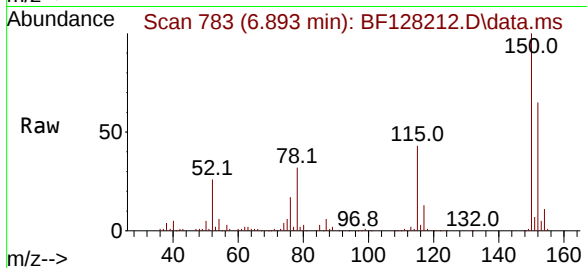




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

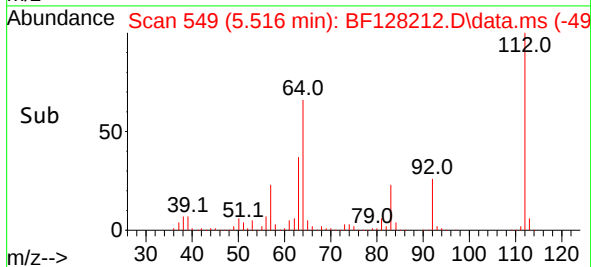
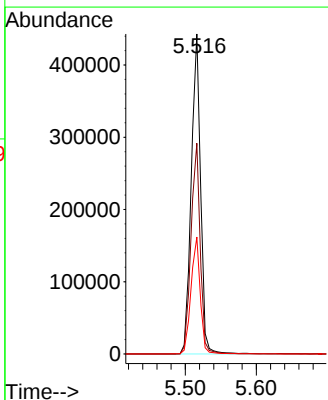
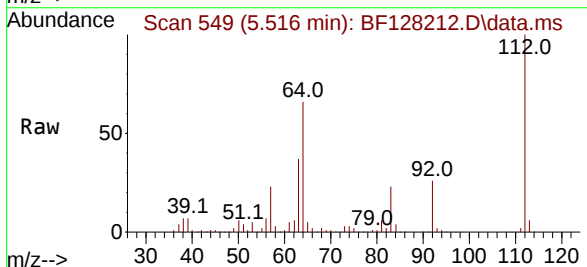
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022

Tgt Ion:152 Resp: 74748
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.3 187.9
 115 66.2 48.8 73.2



#5
 2-Fluorophenol
 Concen: 86.505 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

Tgt Ion:112 Resp: 405617
 Ion Ratio Lower Upper
 112 100
 64 65.9 49.5 74.3
 63 36.5 26.3 39.5

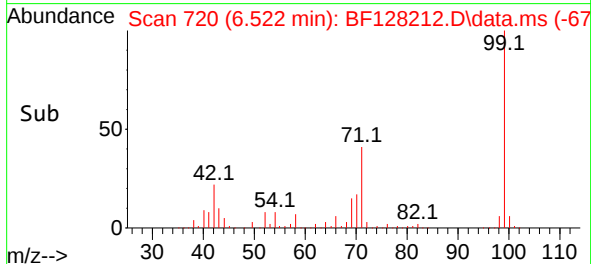
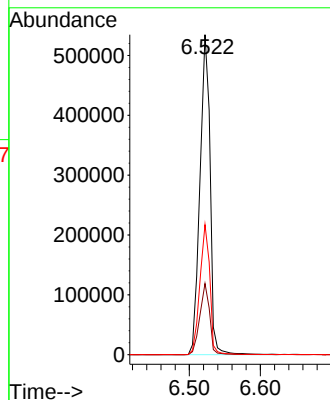
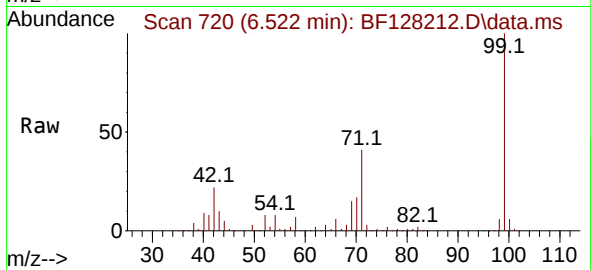




#7
Phenol-d6
Concen: 85.982 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

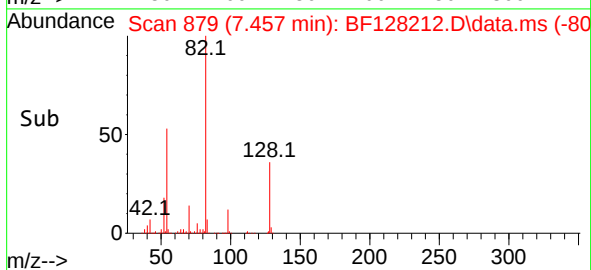
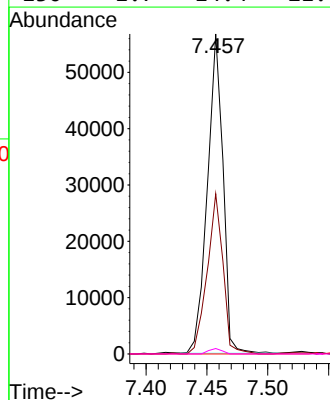
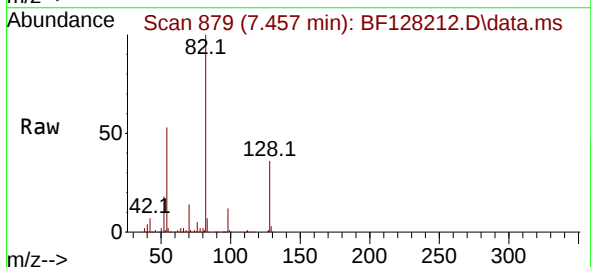
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

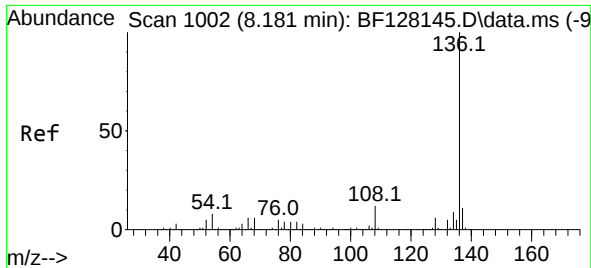
Tgt Ion: 99 Resp: 533248
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 40.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.144 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion: 70 Resp: 50201
Ion Ratio Lower Upper
70 100
42 50.1 48.7 73.1
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#



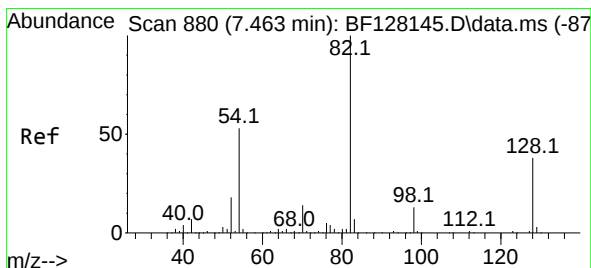
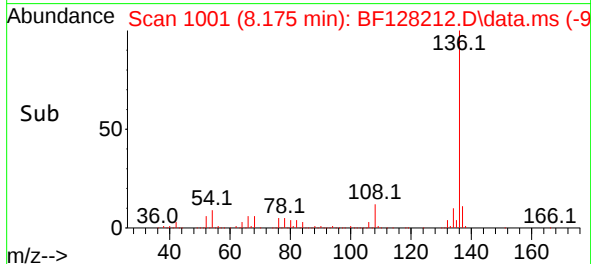
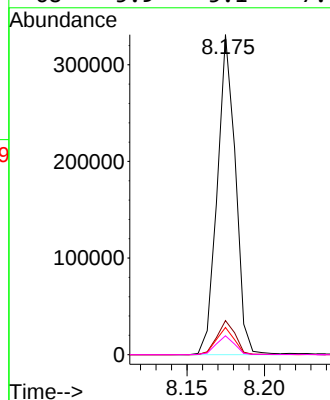
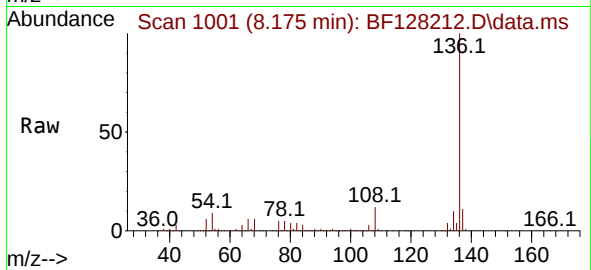


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

Tgt Ion:136 Resp: 270516

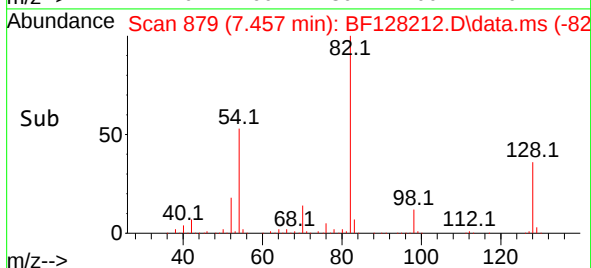
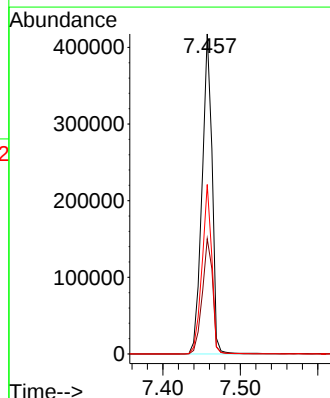
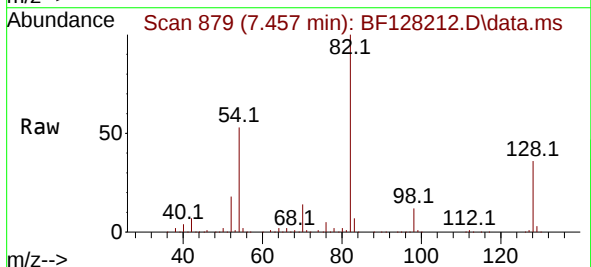
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	6.8	10.2
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 62.659 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion: 82 Resp: 376698

Ion	Ratio	Lower	Upper
82	100		
128	36.0	30.0	45.0
54	52.9	41.3	61.9

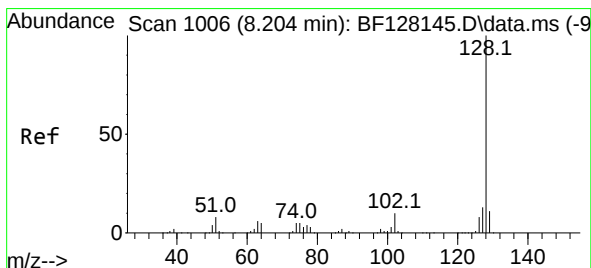
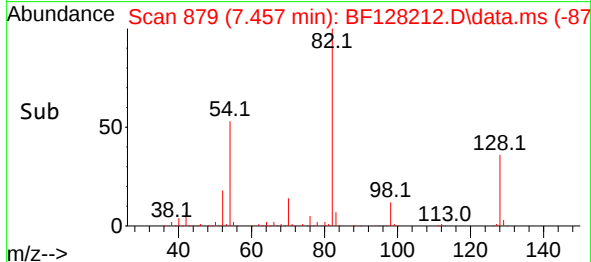
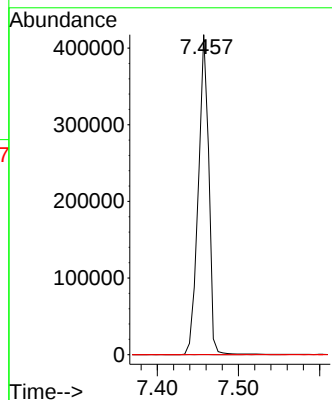
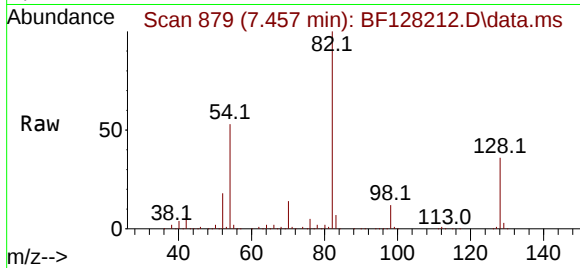




#25
Isophorone
Concen: 39.966 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

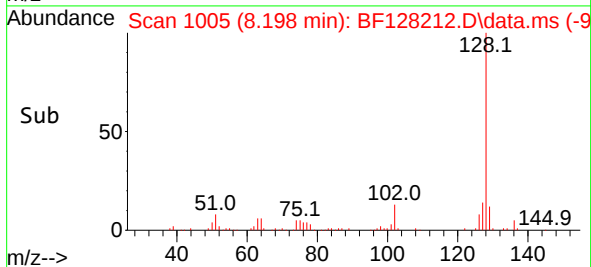
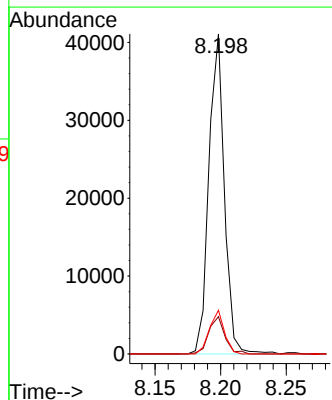
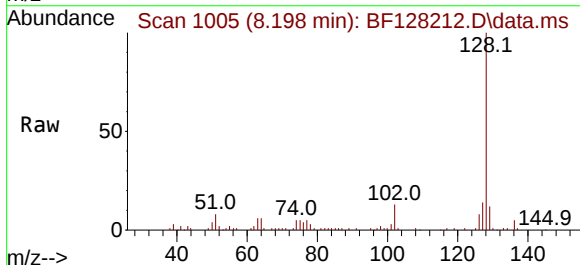
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

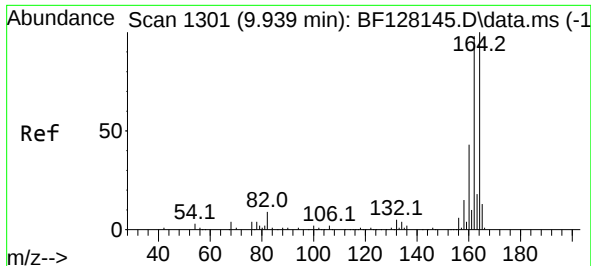
Tgt Ion: 82 Resp: 376693
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#31
Naphthalene
Concen: 2.536 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:128 Resp: 33877
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 13.6 10.6 16.0

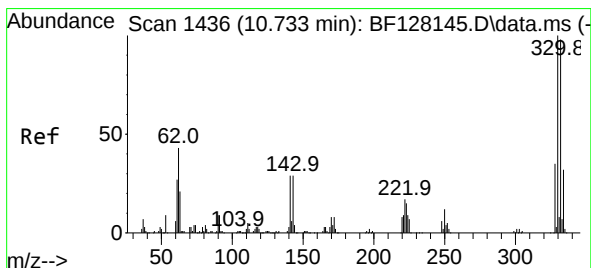
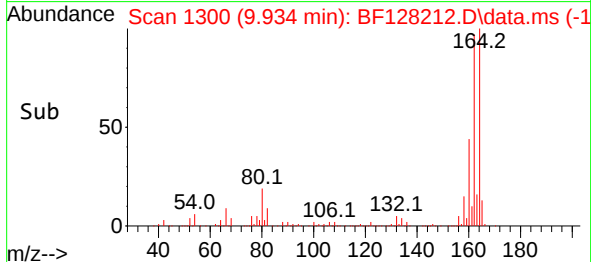
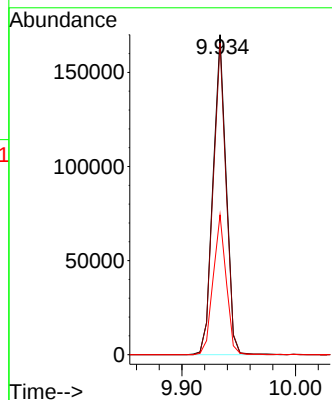
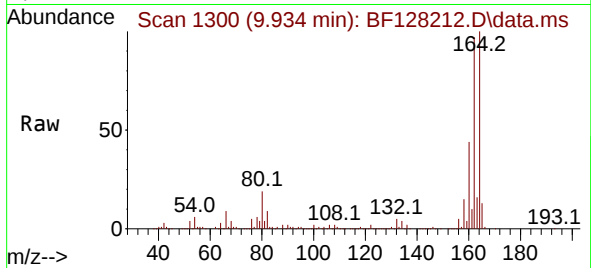




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

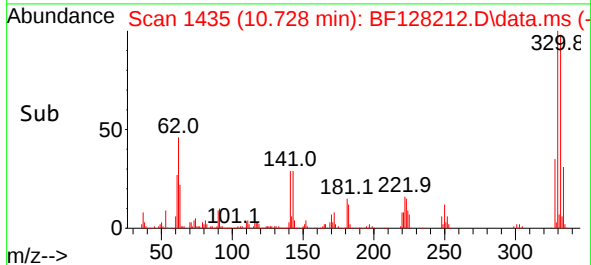
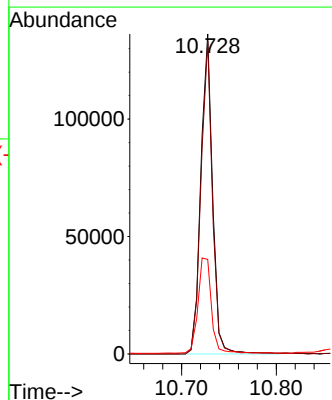
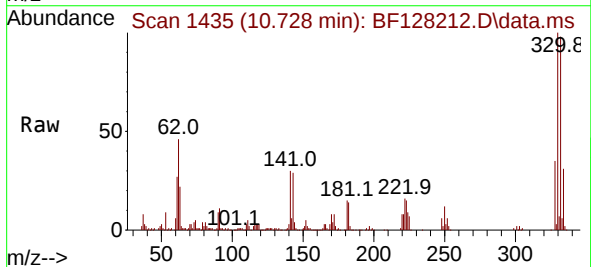
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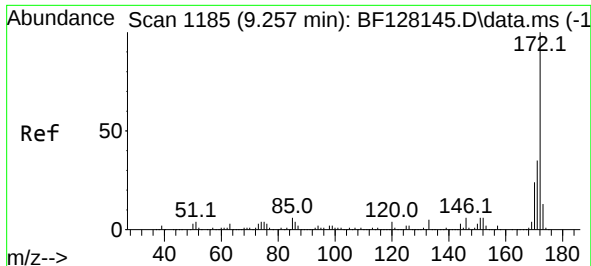
Tgt Ion:164 Resp: 135913
Ion Ratio Lower Upper
164 100
162 97.4 76.0 114.0
160 43.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 75.375 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:330 Resp: 117492
Ion Ratio Lower Upper
330 100
332 95.8 79.0 118.4
141 34.1 28.9 43.3

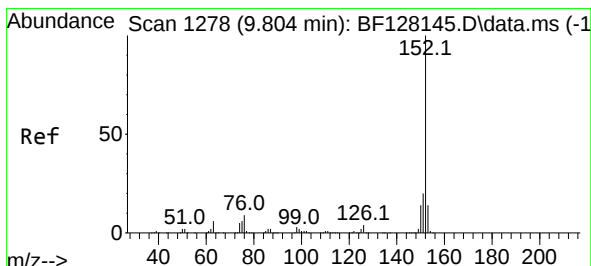
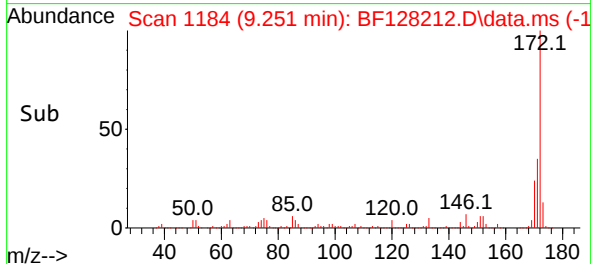
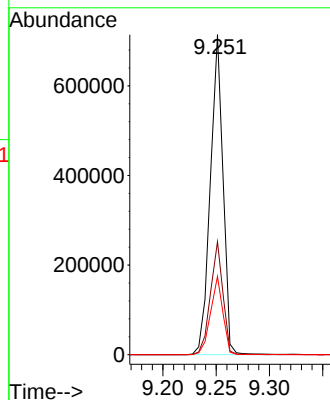
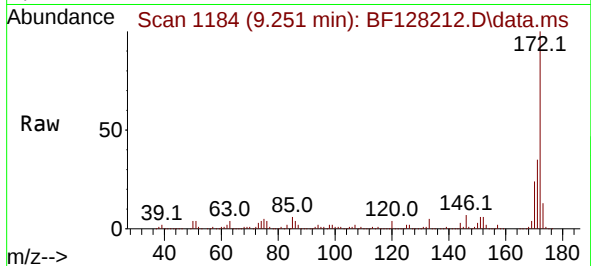




#45
2-Fluorobiphenyl
Concen: 68.510 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

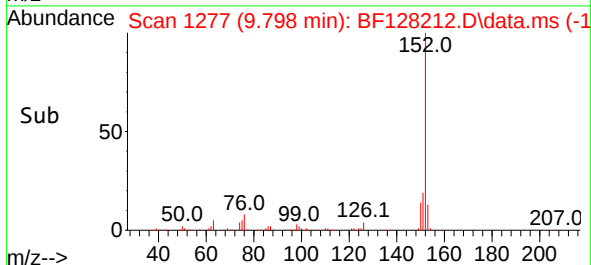
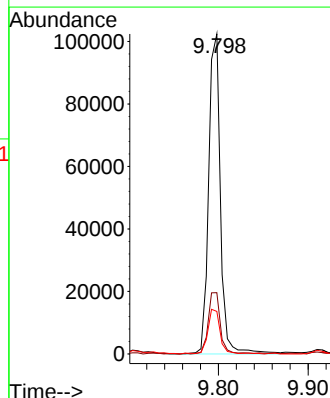
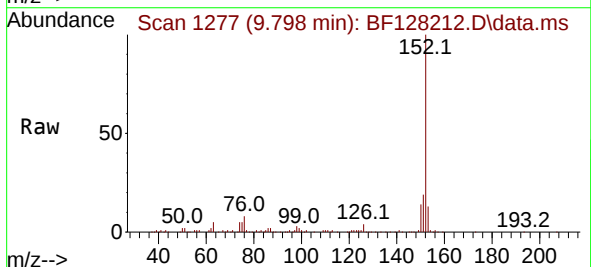
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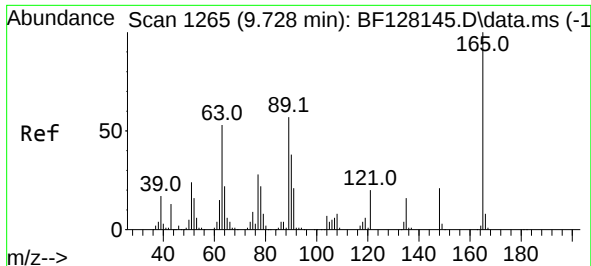
Tgt Ion:172 Resp: 595099
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.5 19.1 28.7



#49
Acenaphthylene
Concen: 8.402 ng
RT: 9.798 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:152 Resp: 93192
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 13.3 11.2 16.8





#51

2,6-Dinitrotoluene

Concen: 10.107 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

Instrument :

BNA_F

ClientSampleId :

CL-02-051022

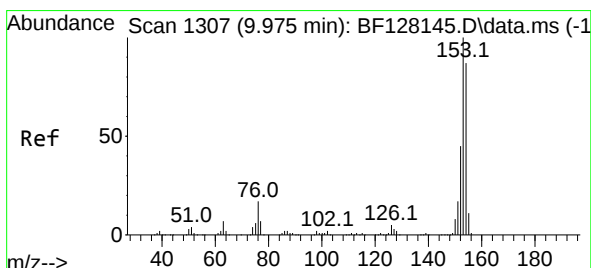
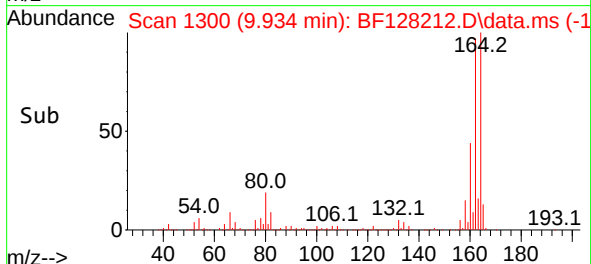
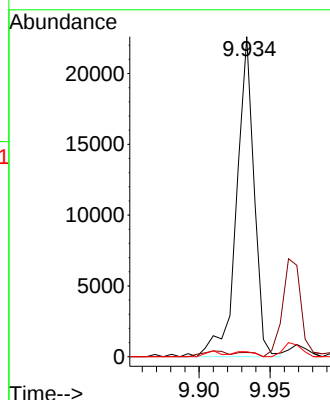
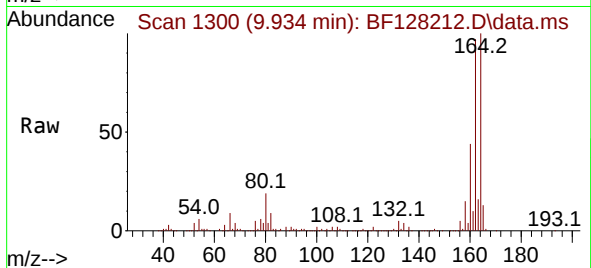
Tgt Ion:165 Resp: 19446

Ion Ratio Lower Upper

165 100

63 1.3 49.5 74.3#

89 1.5 49.0 73.4#



#52

Acenaphthene

Concen: 8.966 ng

RT: 9.969 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

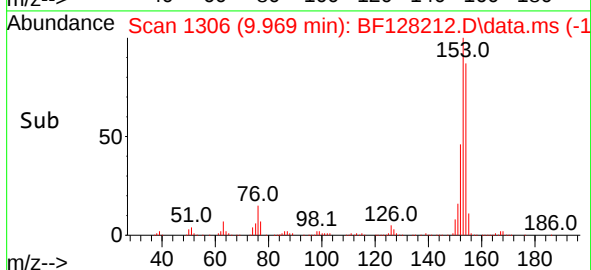
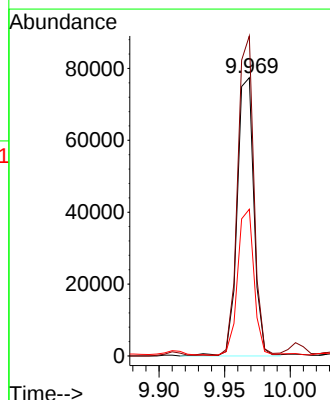
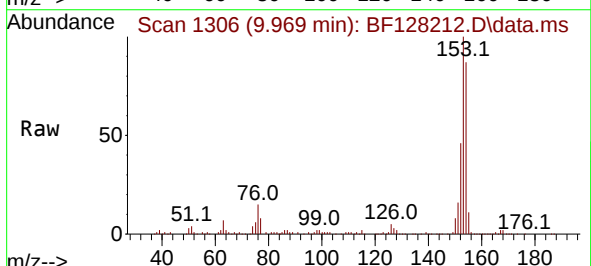
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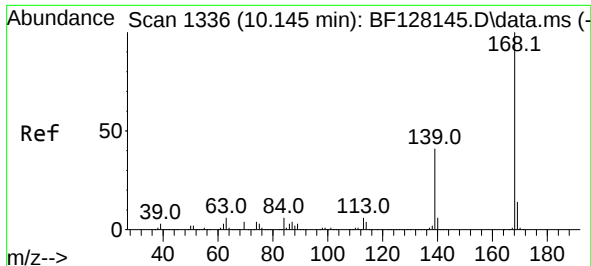
Ion Ratio Lower Upper

154 100

153 115.0 90.5 135.7

152 52.8 41.0 61.6

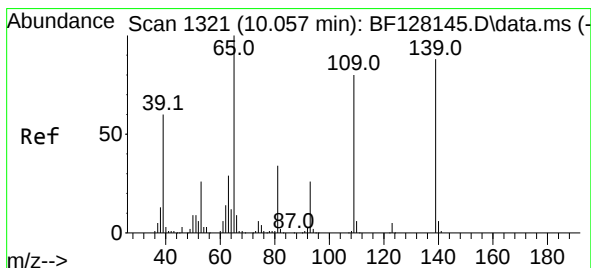
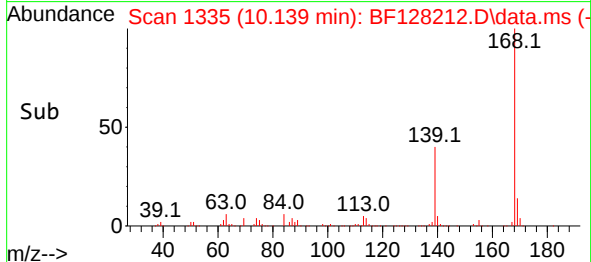
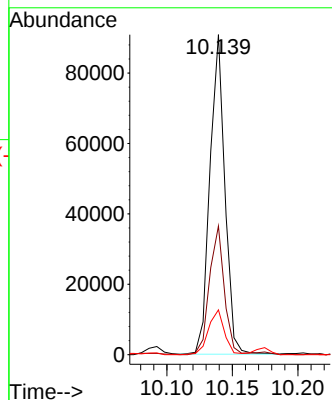
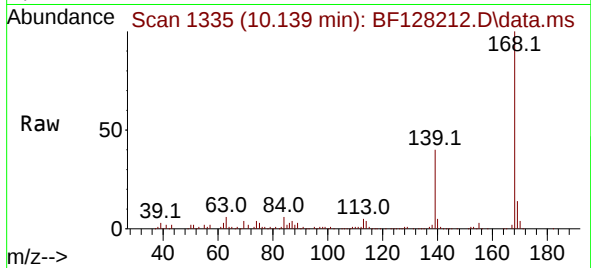




#55
Dibenzenofuran
Concen: 6.604 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

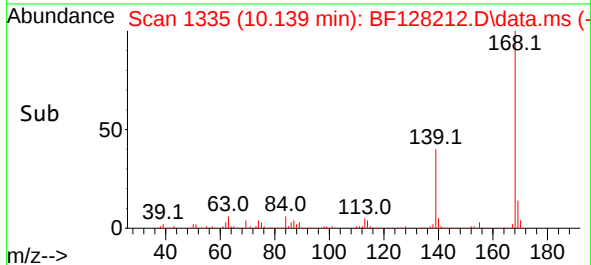
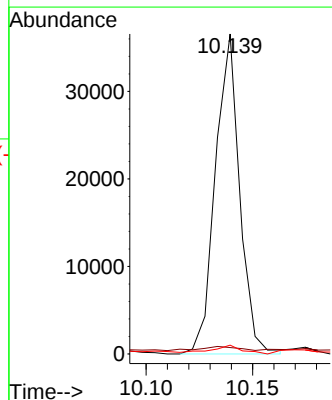
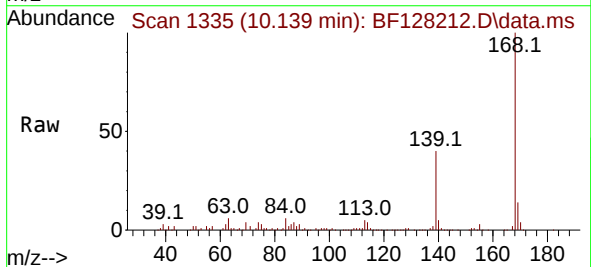
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

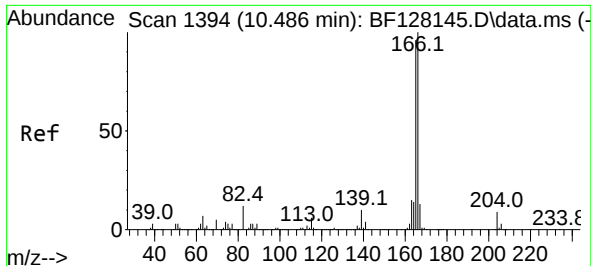
Tgt Ion:168 Resp: 72110
Ion Ratio Lower Upper
168 100
139 40.2 31.7 47.5
169 14.0 10.9 16.3



#56
4-Nitrophenol
Concen: 19.916 ng
RT: 10.139 min Scan# 1335
Delta R.T. 0.082 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:139 Resp: 29026
Ion Ratio Lower Upper
139 100
109 2.0 61.9 101.9#
65 2.8 93.5 133.5#

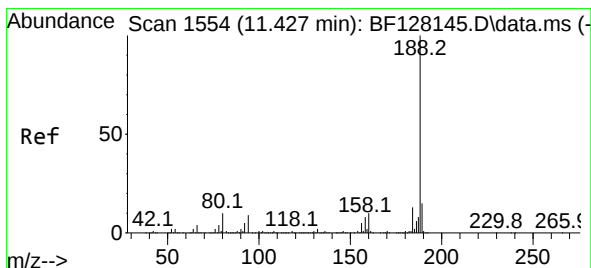
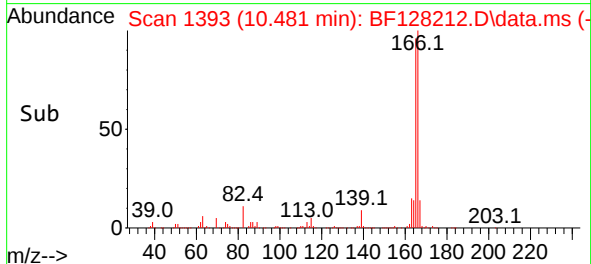
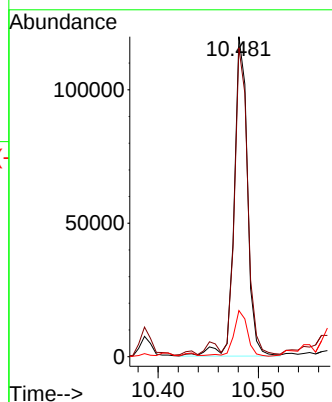
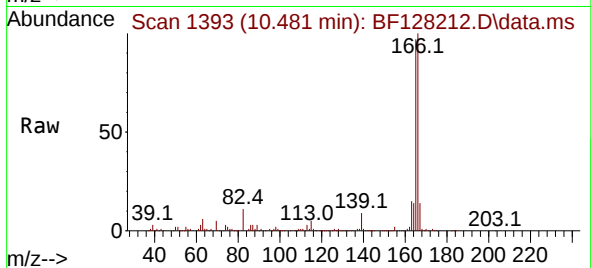




#58
Fluorene
Concen: 13.017 ng
RT: 10.481 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

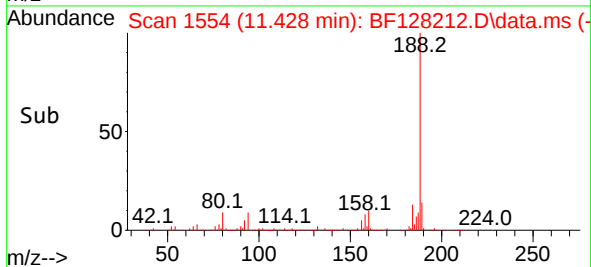
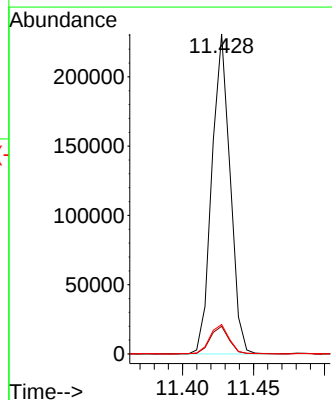
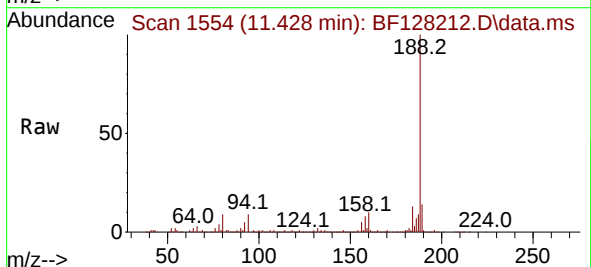
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

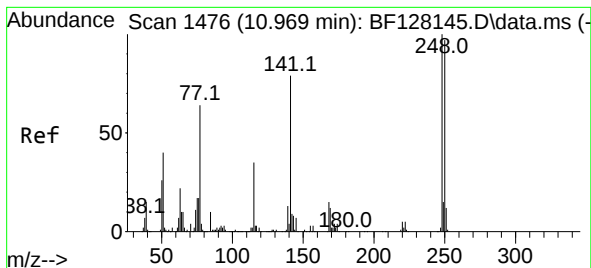
Tgt Ion:166 Resp: 110714
Ion Ratio Lower Upper
166 100
165 96.6 78.6 117.8
167 14.4 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

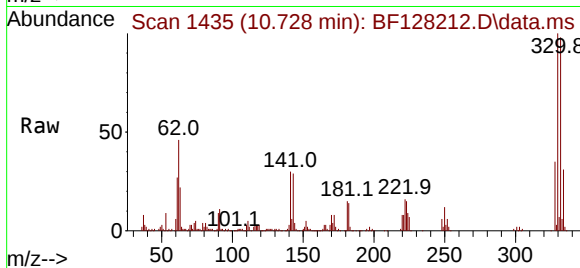
Tgt Ion:188 Resp: 206205
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.2 8.9 13.3



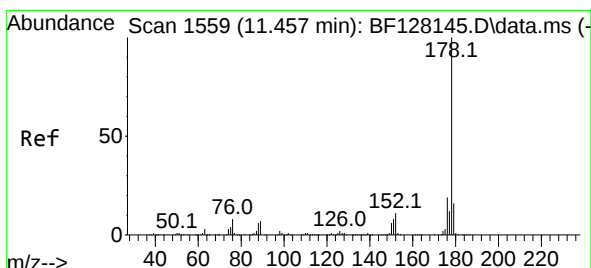
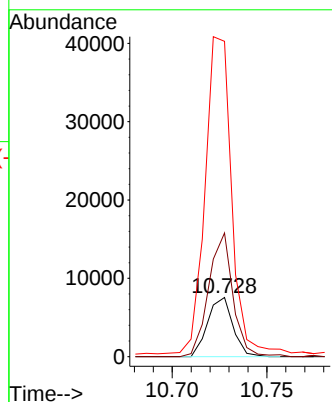
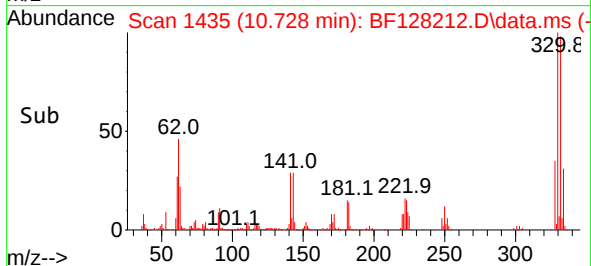


#67
4-Bromophenyl-phenylether
Concen: 3.171 ng
RT: 10.728 min Scan# 1476
Delta R.T. -0.241 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Instrument :
BNA_F
ClientSampleId :
CL-02-051022

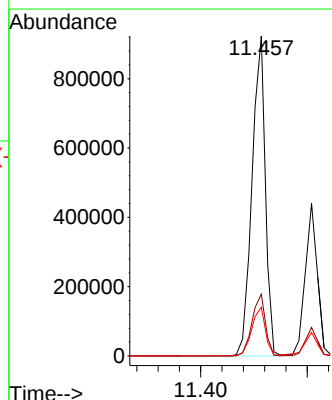
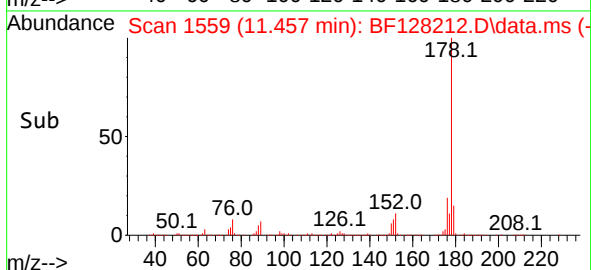
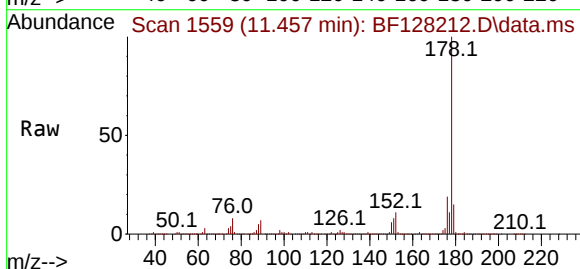


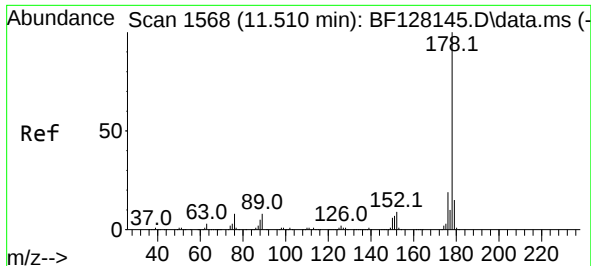
Tgt Ion:248 Resp: 7034
Ion Ratio Lower Upper
248 100
250 208.8 77.7 116.5#
141 532.3 65.6 98.4#



#71
Phenanthrene
Concen: 77.914 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:178 Resp: 800004
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.3 12.6 19.0

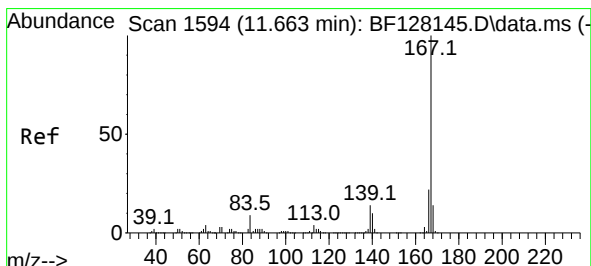
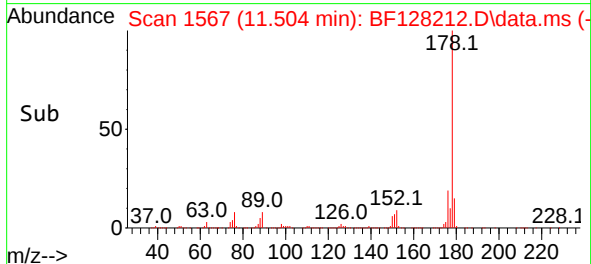
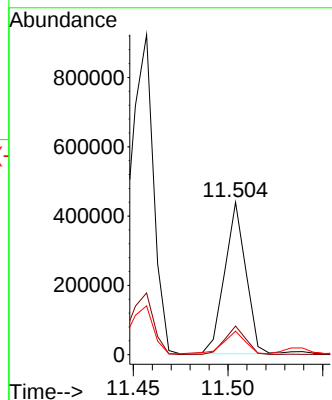
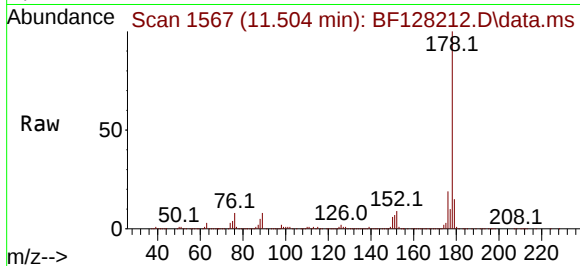




#72
 Anthracene
 Concen: 33.179 ng
 RT: 11.504 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

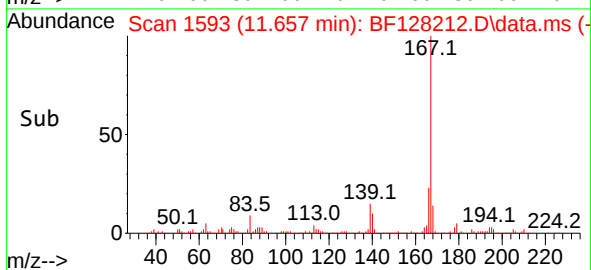
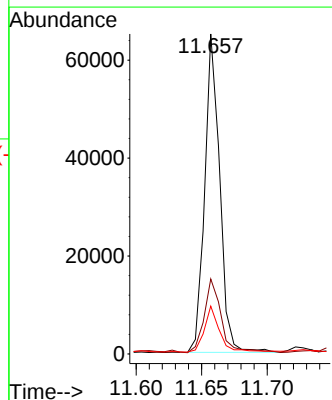
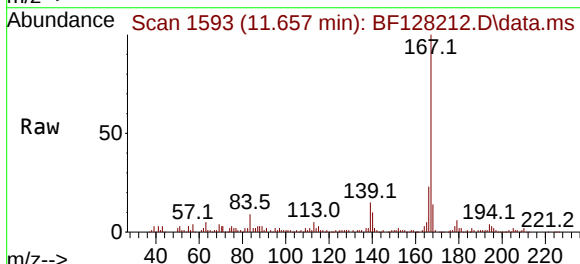
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022

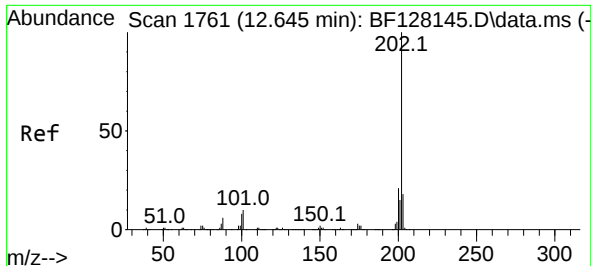
Tgt Ion:178 Resp: 340132
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.4 12.4 18.6



#73
 Carbazole
 Concen: 5.326 ng
 RT: 11.657 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

Tgt Ion:167 Resp: 51918
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.6 26.4
 139 14.9 10.7 16.1

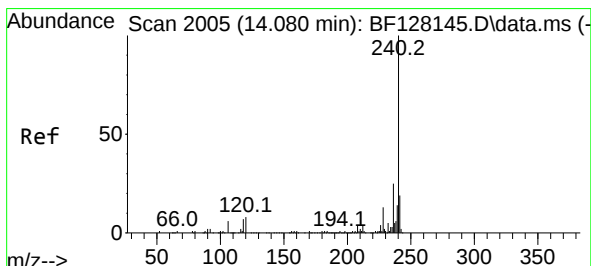
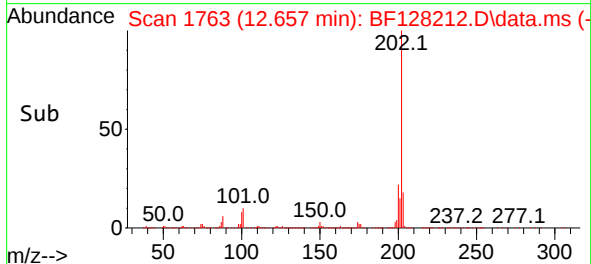
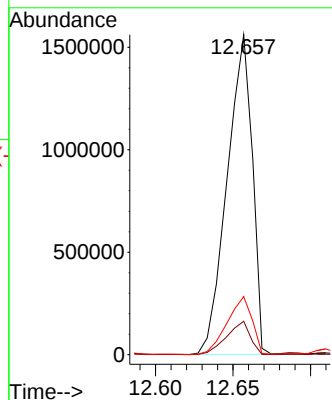
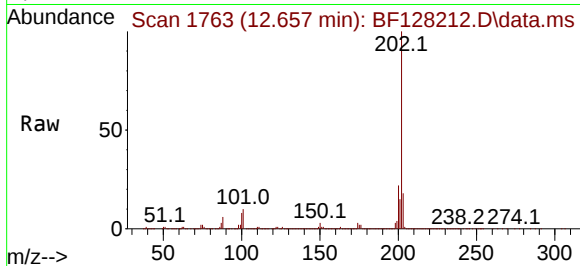




#75
Fluoranthene
Concen: 158.186 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

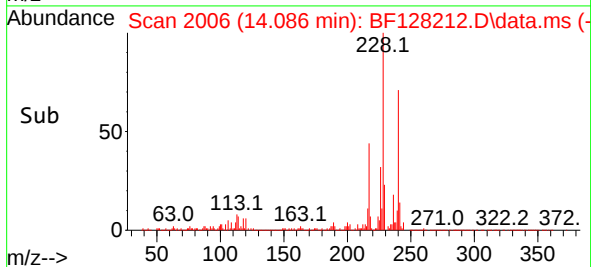
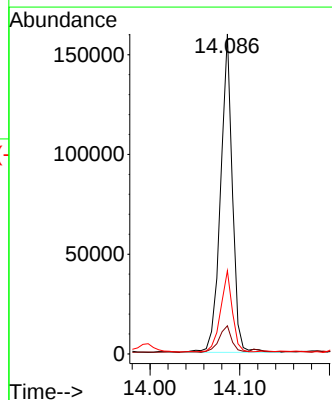
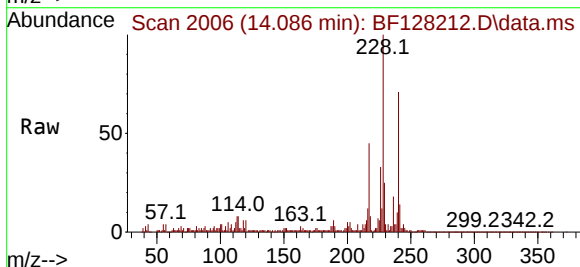
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

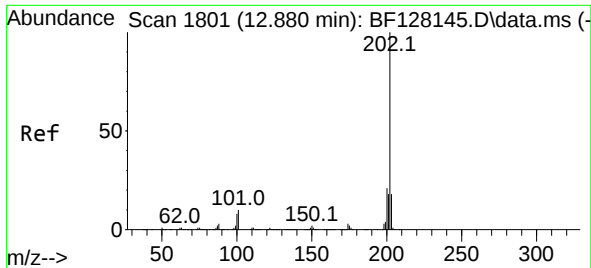
Tgt Ion:202 Resp: 1760894
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.6
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:240 Resp: 145755
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.0 20.3 30.5

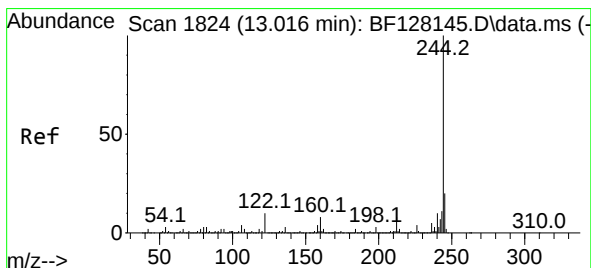
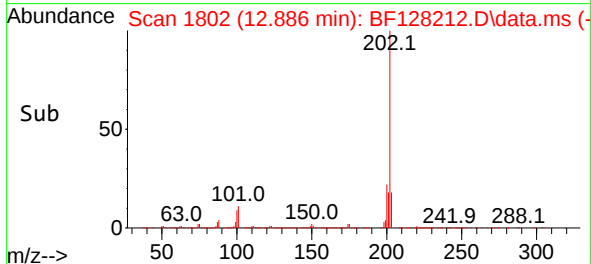
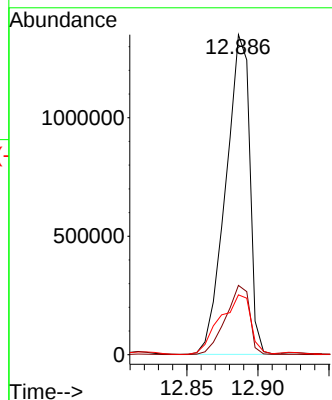
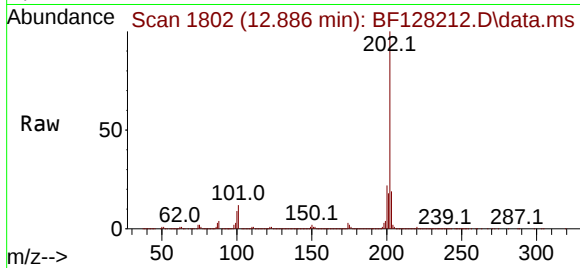




#78
 Pyrene
 Concen: 149.684 ng
 RT: 12.886 min Scan# 1801
 Delta R.T. 0.006 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

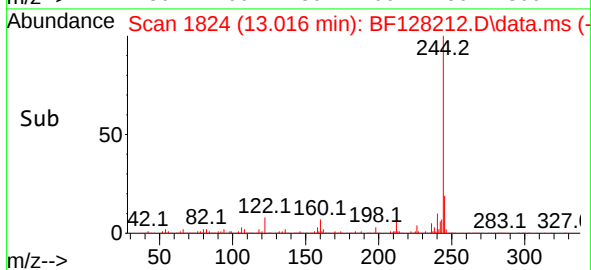
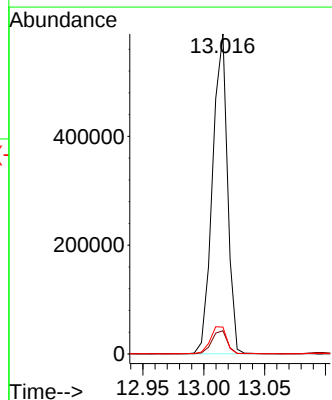
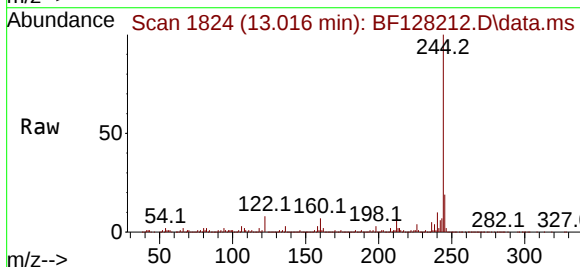
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022

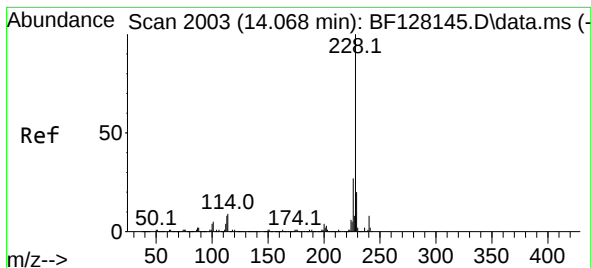
Tgt Ion:202 Resp: 1581940
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.4 26.2
 203 18.7 14.0 21.0



#79
 Terphenyl-d14
 Concen: 64.703 ng
 RT: 13.016 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF128212.D
 Acq: 11 May 2022 23:39

Tgt Ion:244 Resp: 502596
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 8.4 8.6 12.8#





#81

Benzo(a)anthracene

Concen: 122.104 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

Instrument :

BNA_F

ClientSampleId :

CL-02-051022

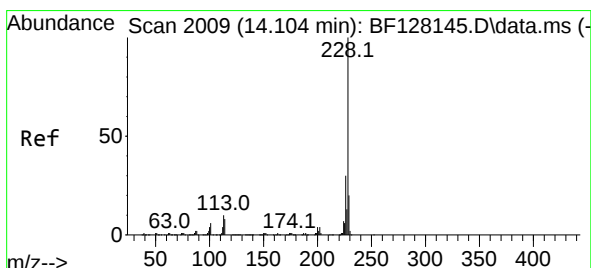
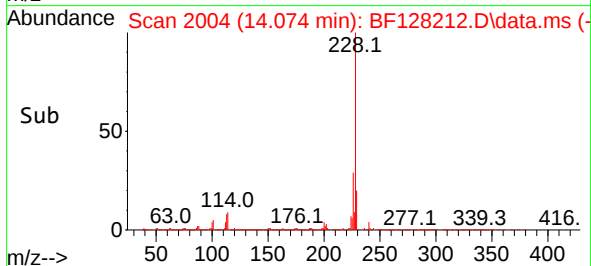
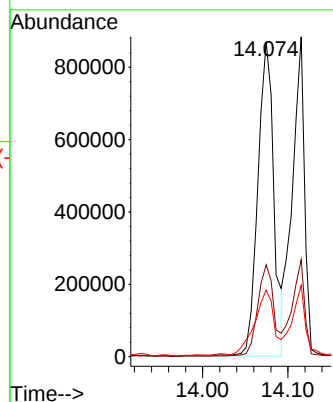
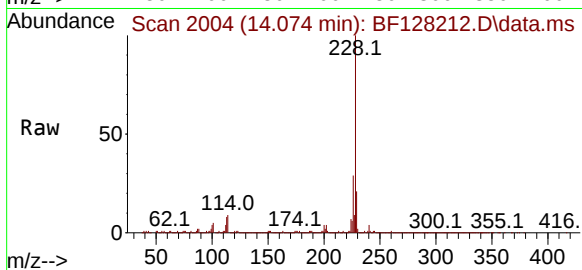
Tgt Ion:228 Resp: 1136767

Ion Ratio Lower Upper

228 100

226 29.2 21.7 32.5

229 21.1 15.4 23.2



#83

Chrysene

Concen: 99.583 ng

RT: 14.116 min Scan# 2011

Delta R.T. 0.012 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

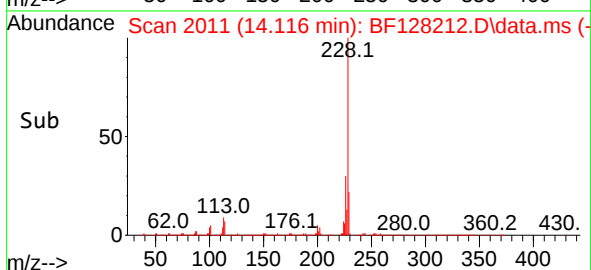
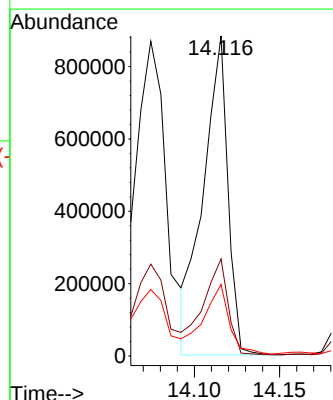
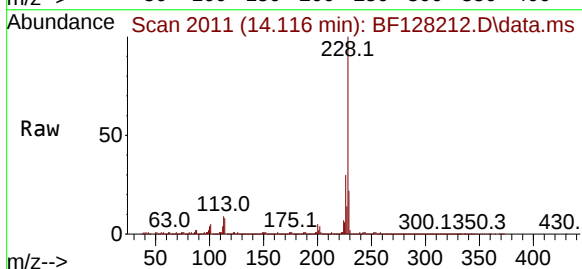
Tgt Ion:228 Resp: 884599

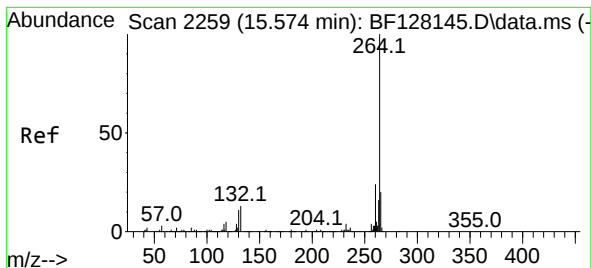
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

Instrument :

BNA_F

ClientSampleId :

CL-02-051022

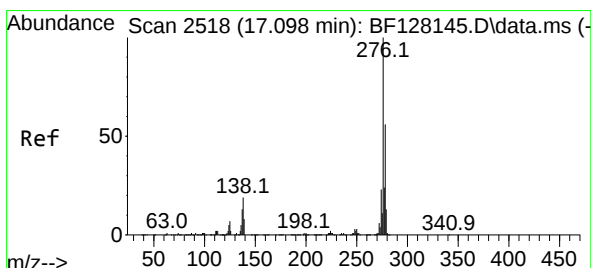
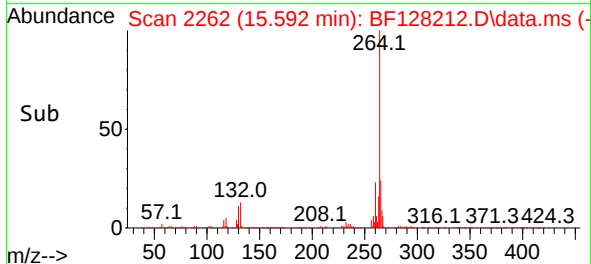
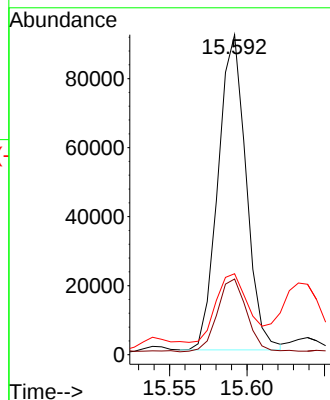
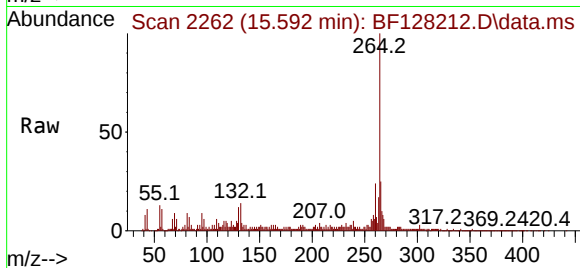
Tgt Ion:264 Resp: 114827

Ion Ratio Lower Upper

264 100

260 23.6 20.1 30.1

265 25.3 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 71.119 ng

RT: 17.133 min Scan# 2524

Delta R.T. 0.035 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

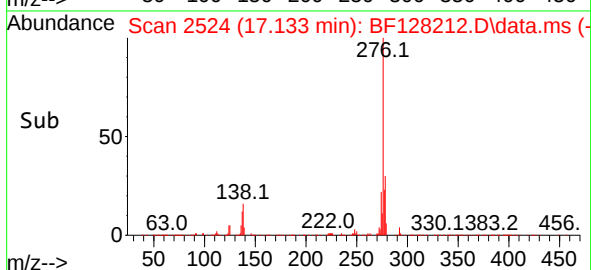
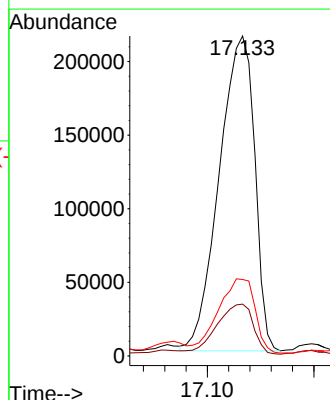
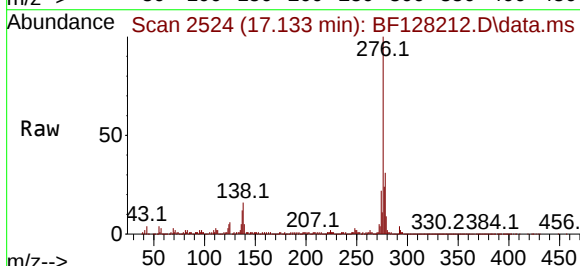
Tgt Ion:276 Resp: 494000

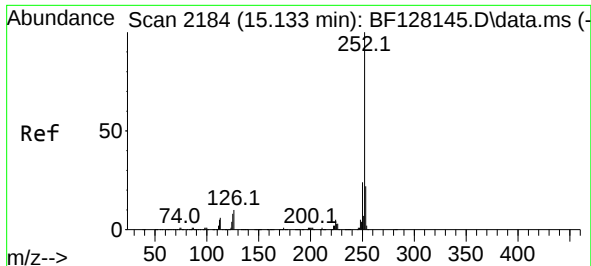
Ion Ratio Lower Upper

276 100

138 16.5 19.0 28.4#

277 24.8 20.1 30.1

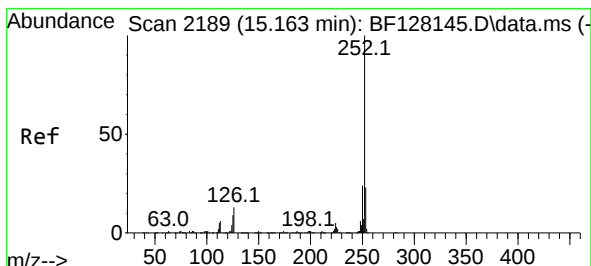
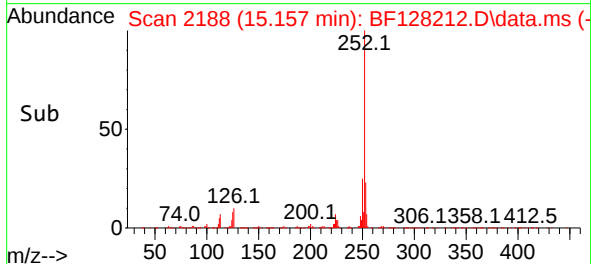
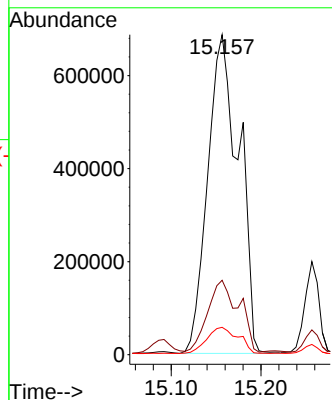
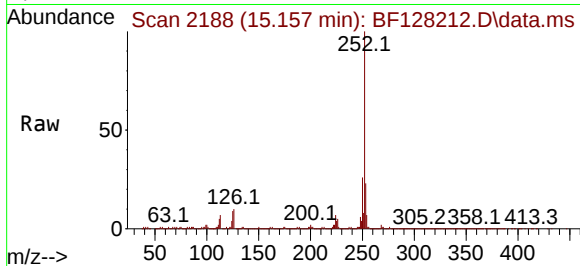




#88
Benzo(b)fluoranthene
Concen: 233.043 ng
RT: 15.157 min Scan# 2184
Delta R.T. 0.024 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

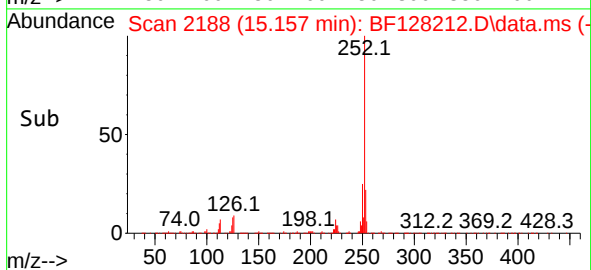
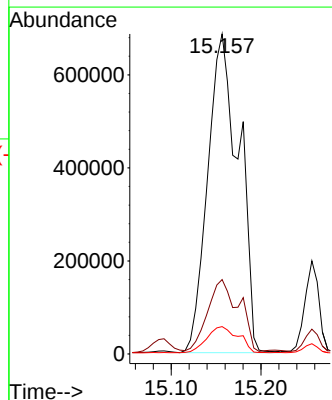
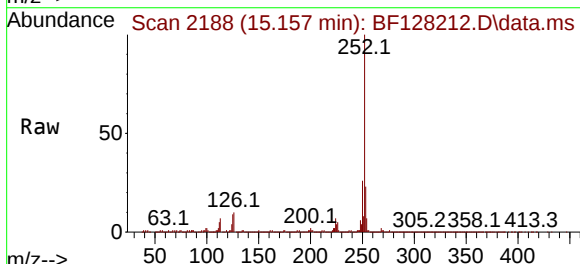
Instrument :
BNA_F
ClientSampleId :
CL-02-051022

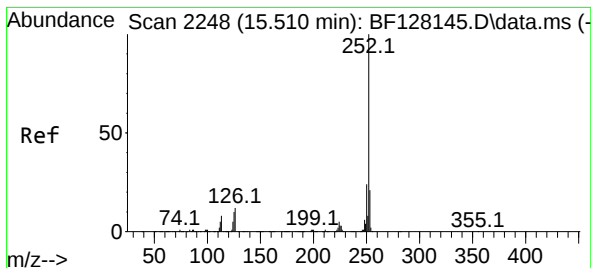
Tgt Ion:252 Resp: 1658817
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.5 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 236.083 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF128212.D
Acq: 11 May 2022 23:39

Tgt Ion:252 Resp: 1658817
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 8.5 6.8 10.2





#90

Benzo(a)pyrene

Concen: 92.498 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

Instrument :

BNA_F

ClientSampleId :

CL-02-051022

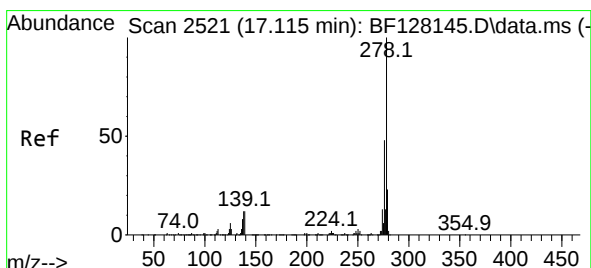
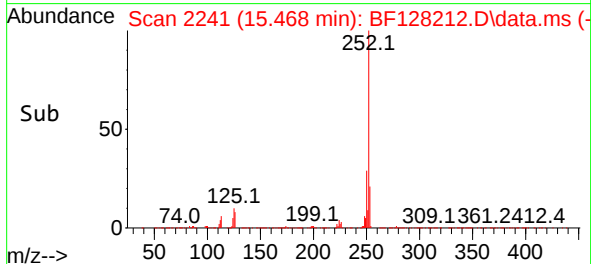
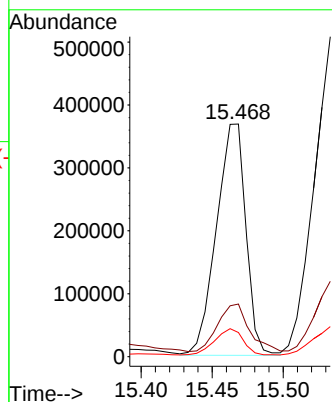
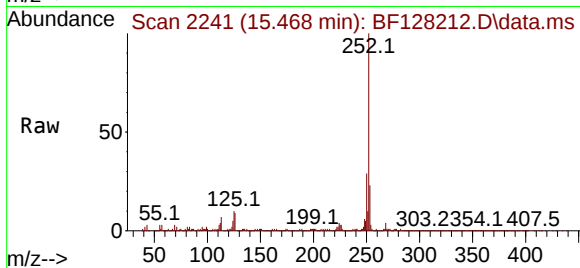
Tgt Ion:252 Resp: 531548

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 10.4 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 20.111 ng

RT: 17.304 min Scan# 2553

Delta R.T. 0.188 min

Lab File: BF128212.D

Acq: 11 May 2022 23:39

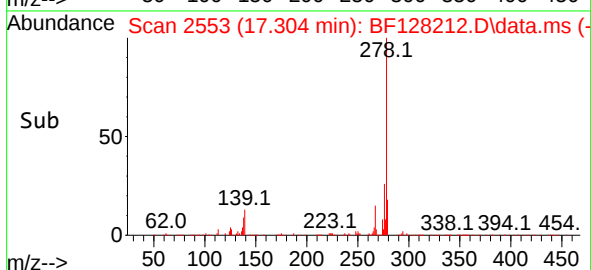
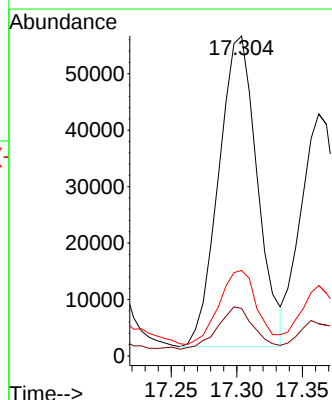
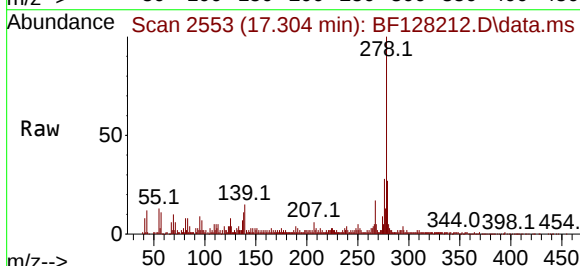
Tgt Ion:278 Resp: 113095

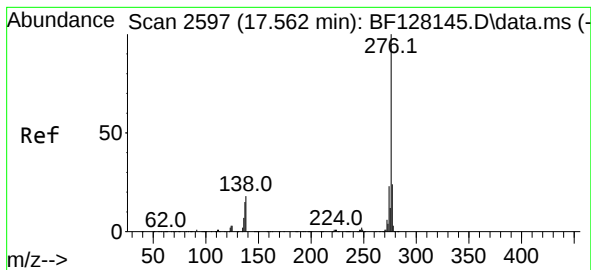
Ion Ratio Lower Upper

278 100

139 14.9 12.6 19.0

279 26.7 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 76.625 ng

RT: 17.598 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF128212.D

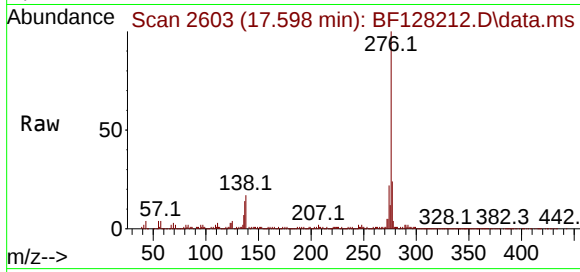
Acq: 11 May 2022 23:39

Instrument :

BNA_F

ClientSampleId :

CL-02-051022



Tgt Ion:276 Resp: 436293

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 17.1 16.2 24.2

