

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128983.D
 Acq On : 24 Jun 2022 12:07
 Operator : CG\JU
 Sample : N3466-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS010-22DL

Quant Time: Jun 25 06:12:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

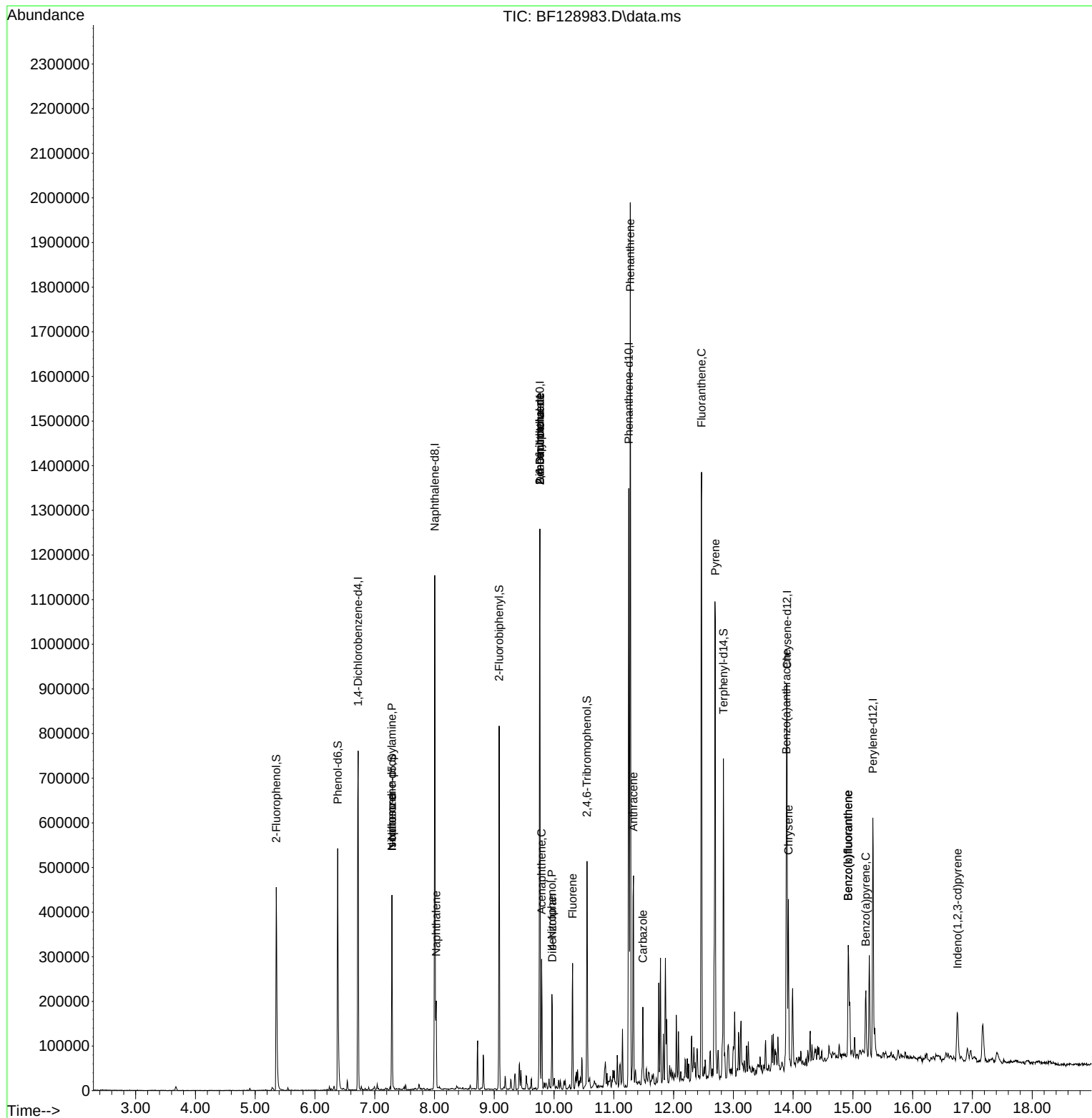
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	107483	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	443165	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	254434	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	472185	20.000	ng	0.00
76) Chrysene-d12	13.898	240	247089	20.000	ng	# 0.00
86) Perylene-d12	15.333	264	233890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	126562	18.756	ng	0.00
7) Phenol-d6	6.381	99	170394	20.686	ng	0.00
23) Nitrobenzene-d5	7.287	82	112781	11.849	ng	-0.02
42) 2,4,6-Tribromophenol	10.551	330	45653	15.186	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	212633	11.707	ng	-0.01
79) Terphenyl-d14	12.833	244	223699	15.731	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	14960	2.921	ng	# 82
25) Isophorone	7.287	82	112536	7.785	ng	# 65
31) Naphthalene	8.028	128	74504	3.276	ng	99
50) Dimethylphthalate	9.763	163	47033	2.701	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	34603	10.067	ng	# 26
52) Acenaphthene	9.792	154	54364	3.743	ng	99
55) Dibenzofuran	9.969	168	70387	3.372	ng	100
56) 4-Nitrophenol	9.963	139	29024	10.733	ng	# 9
57) 2,4-Dinitrotoluene	9.763	165	34603	7.543	ng	# 21
58) Fluorene	10.310	166	68006	4.201	ng	98
71) Phenanthrene	11.275	178	668907	28.243	ng	99
72) Anthracene	11.328	178	178382	7.610	ng	99
73) Carbazole	11.486	167	59897	2.751	ng	98
75) Fluoranthene	12.469	202	560303	22.632	ng	95
78) Pyrene	12.698	202	471148	25.629	ng	98
81) Benzo(a)anthracene	13.886	228	159867	10.380	ng	98
83) Chrysene	13.922	228	131068	8.926	ng	97
87) Indeno(1,2,3-cd)pyrene	16.751	276	67328	4.776	ng	# 90
88) Benzo(b)fluoranthene	14.921	252	175519	11.744	ng	99
89) Benzo(k)fluoranthene	14.921	252	175519	12.485	ng	99
90) Benzo(a)pyrene	15.216	252	66498	5.661	ng	98

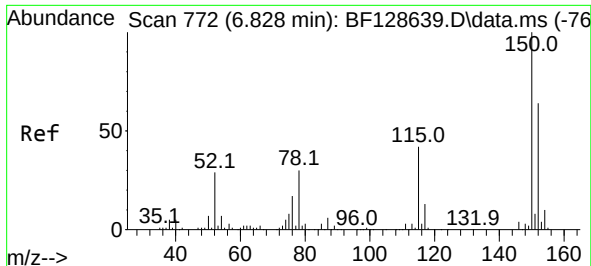
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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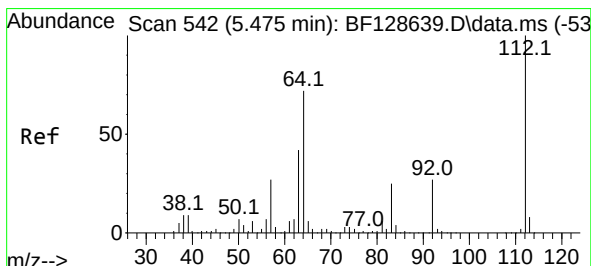
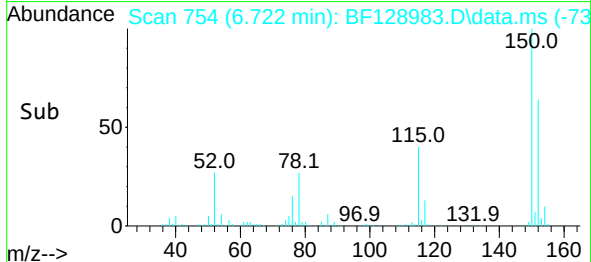
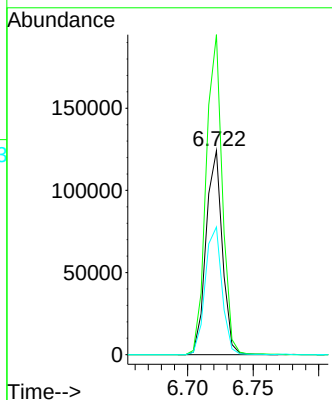
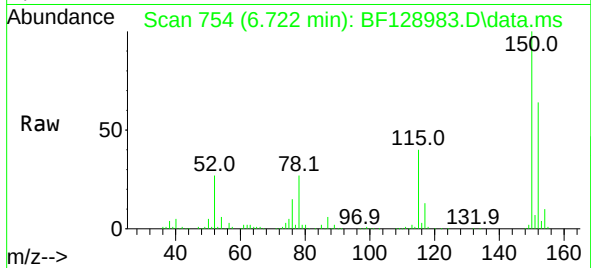




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

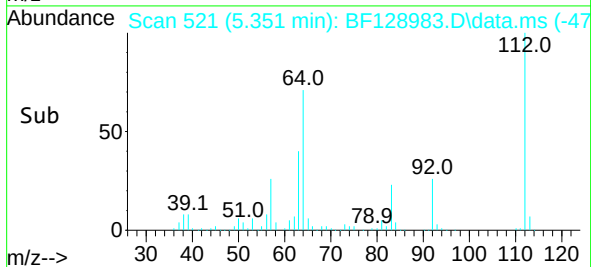
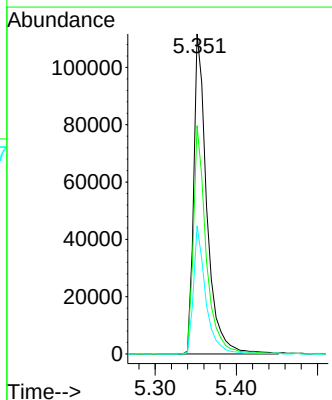
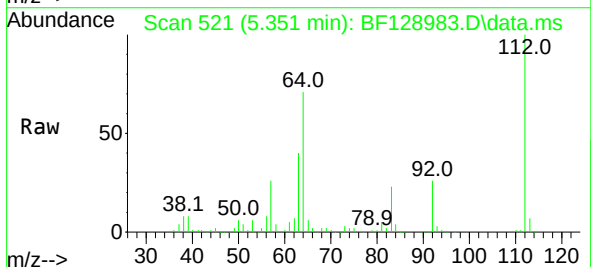
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

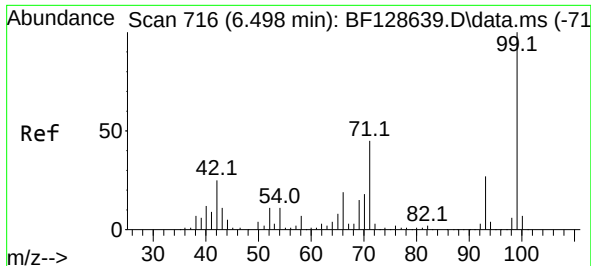
Tgt Ion:152 Resp: 107483
Ion Ratio Lower Upper
152 100
150 156.9 123.7 185.5
115 62.6 49.9 74.9



#5
2-Fluorophenol
Concen: 18.756 ng
RT: 5.351 min Scan# 521
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:112 Resp: 126562
Ion Ratio Lower Upper
112 100
64 71.3 53.3 79.9
63 40.1 28.0 42.0

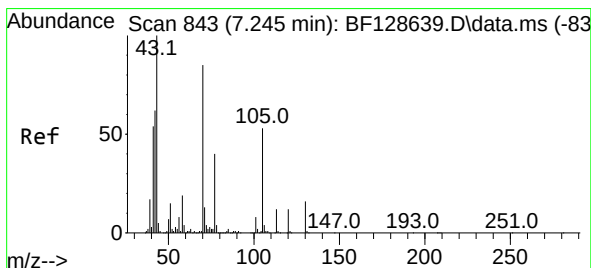
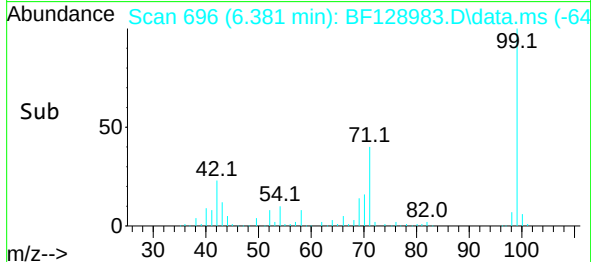
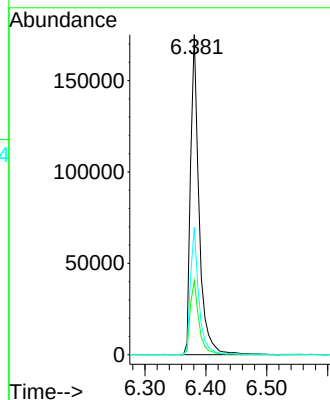
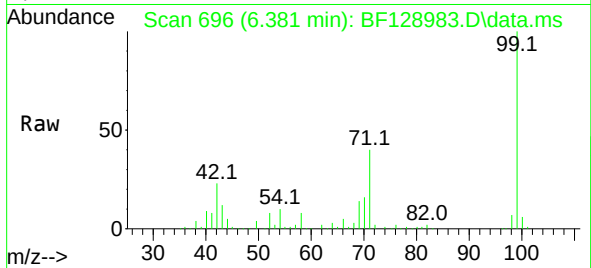




#7
Phenol-d6
Concen: 20.686 ng
RT: 6.381 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

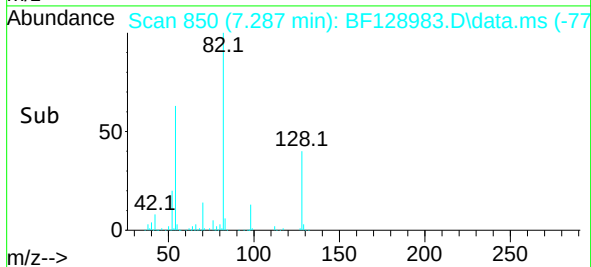
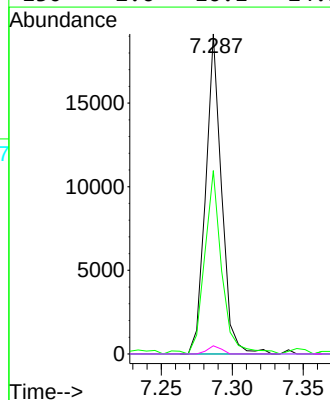
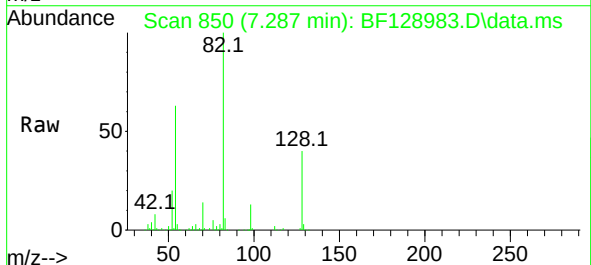
Instrument :
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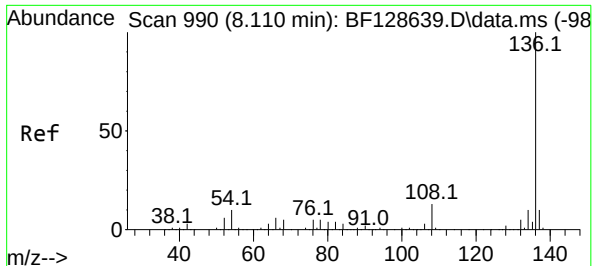
Tgt Ion: 99 Resp: 170394
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 39.8 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.921 ng
RT: 7.287 min Scan# 850
Delta R.T. 0.135 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

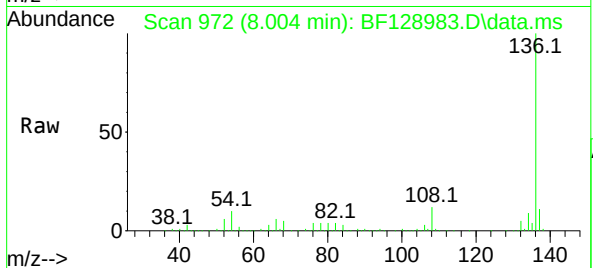
Tgt Ion: 70 Resp: 14960
Ion Ratio Lower Upper
70 100
42 57.3 52.3 78.5
101 0.0 7.5 11.3#
130 2.6 16.1 24.1#



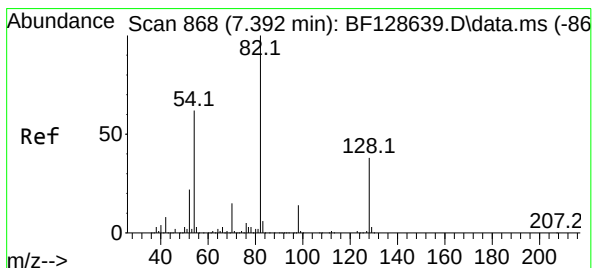
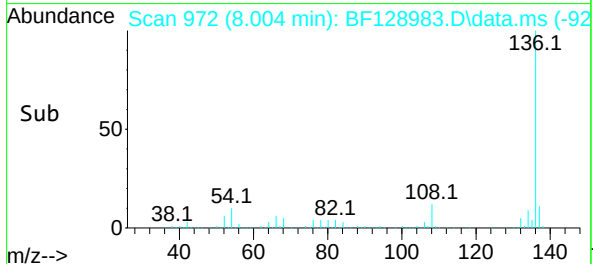
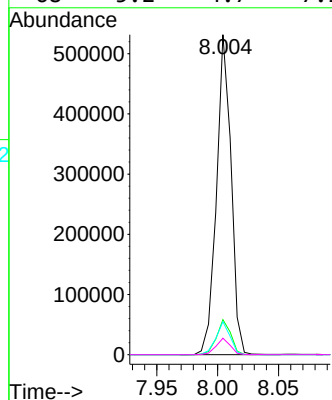


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

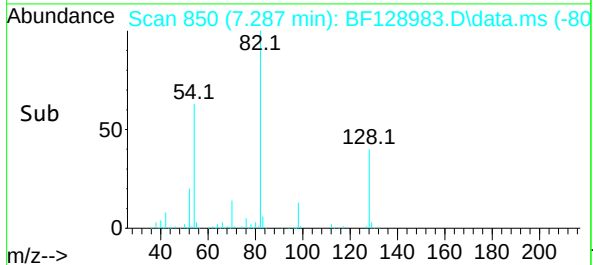
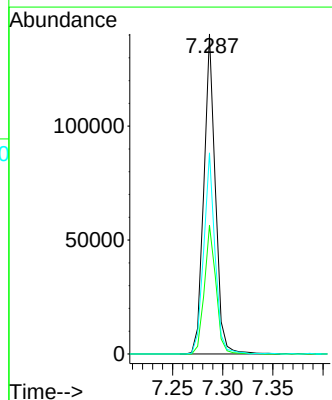
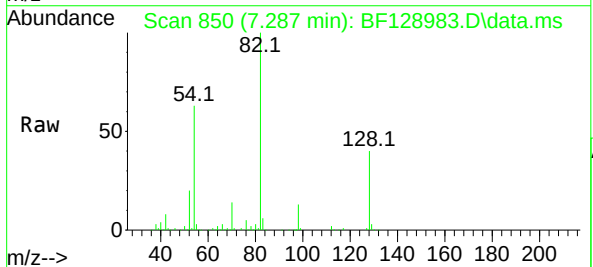


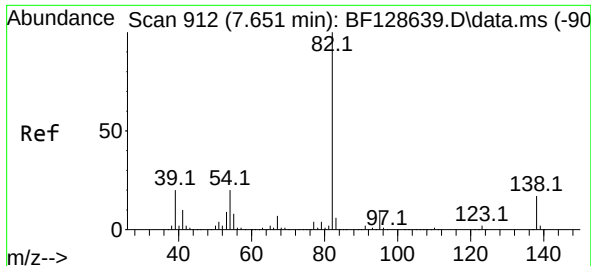
Tgt Ion:136 Resp: 443165
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 7.5 11.3
68 5.2 4.7 7.1



#23
Nitrobenzene-d5
Concen: 11.849 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.018 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion: 82 Resp: 112781
Ion Ratio Lower Upper
82 100
128 40.2 34.0 51.0
54 62.8 46.9 70.3

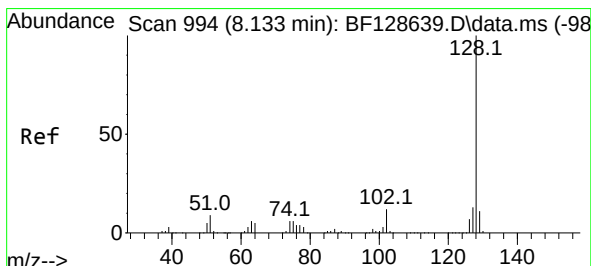
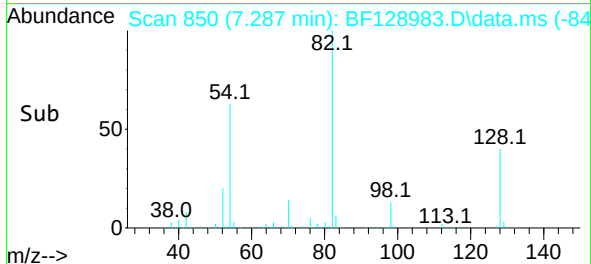
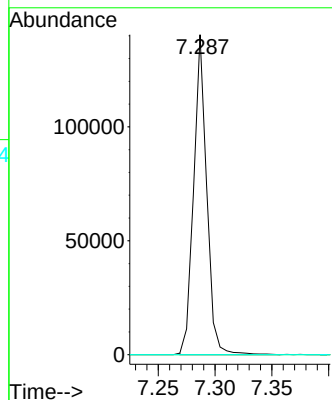
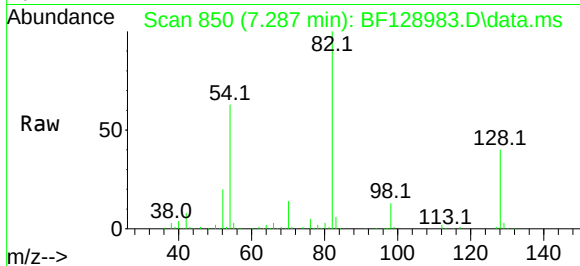




#25
Isophorone
Concen: 7.785 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

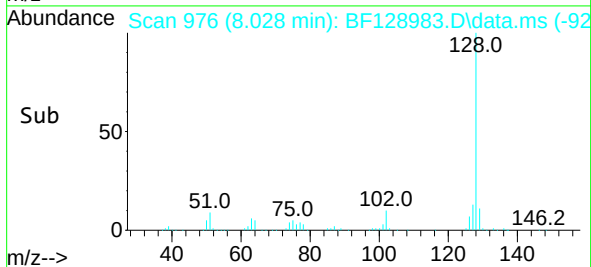
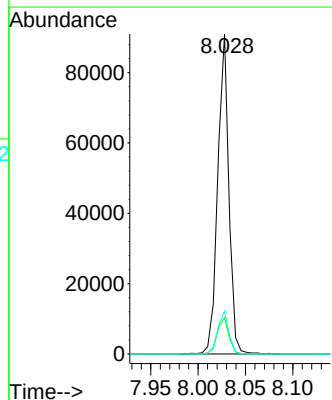
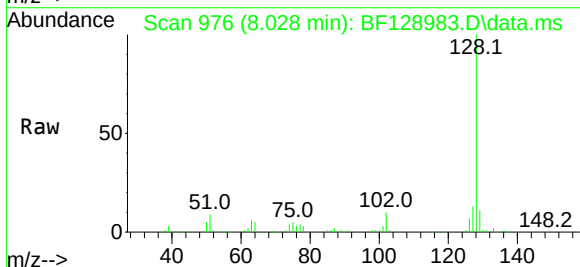
Instrument :
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ClientSampleId :
QA-QC-COMP-XRDS010-22DL

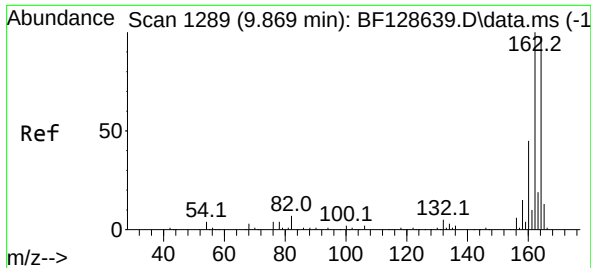
Tgt Ion: 82 Resp: 112536
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.276 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion: 128 Resp: 74504
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.3 10.5 15.7

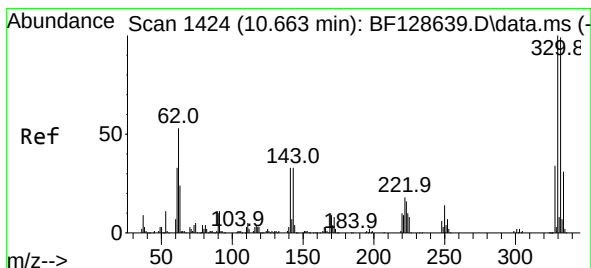
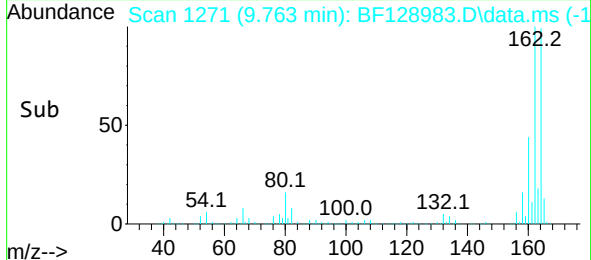
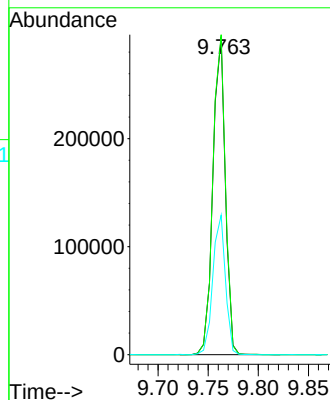
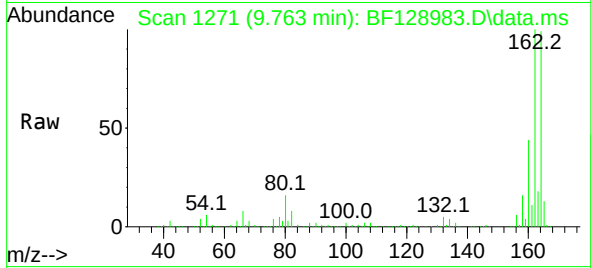




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

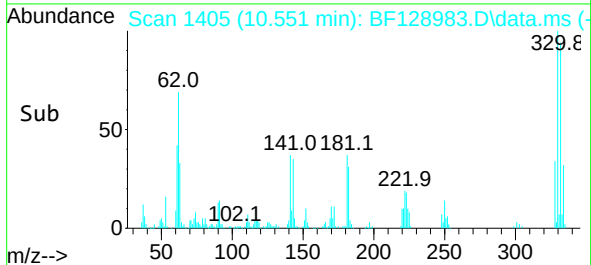
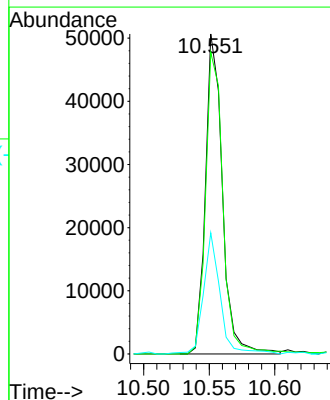
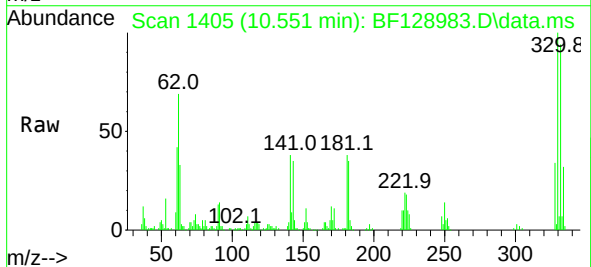
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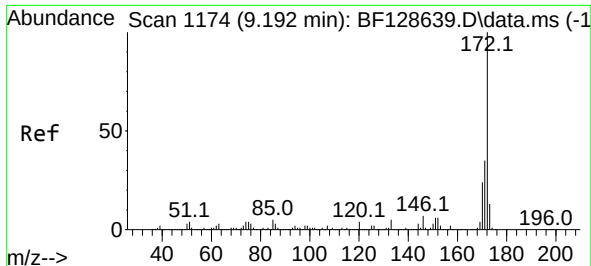
Tgt Ion:164 Resp: 254434
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 43.9 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 15.186 ng
RT: 10.551 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:330 Resp: 45653
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 37.0 28.0 42.0

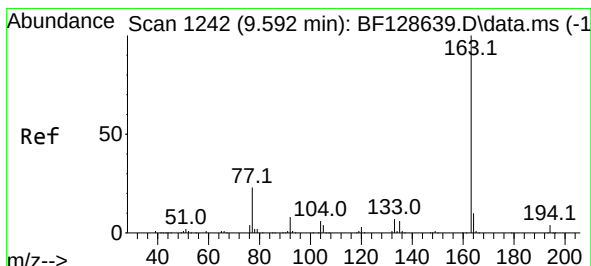
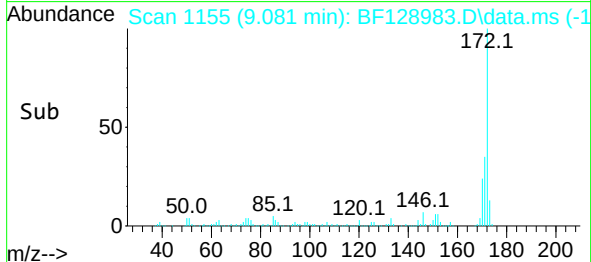
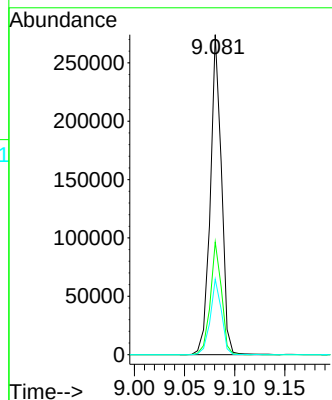
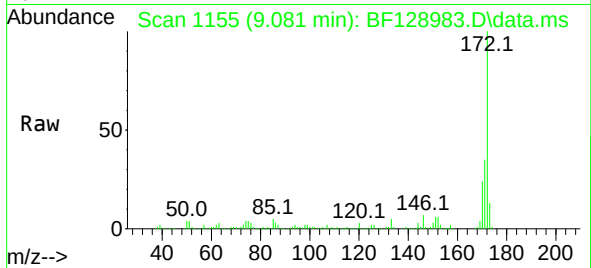




#45
2-Fluorobiphenyl
Concen: 11.707 ng
RT: 9.081 min Scan# 1174
Delta R.T. -0.012 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

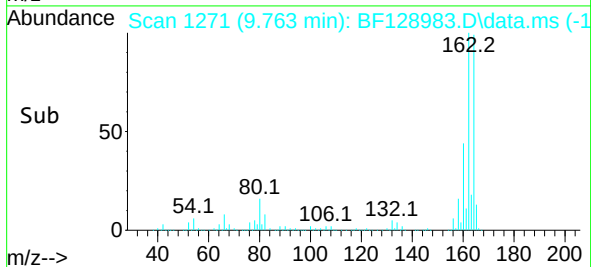
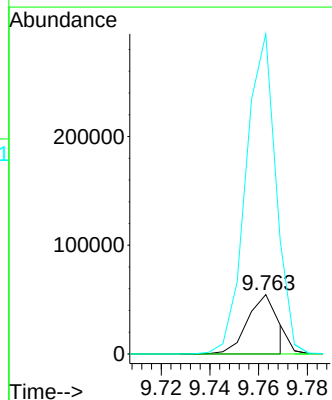
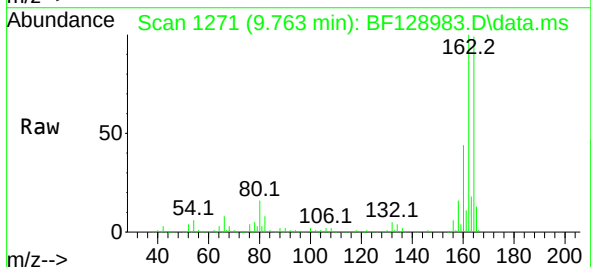
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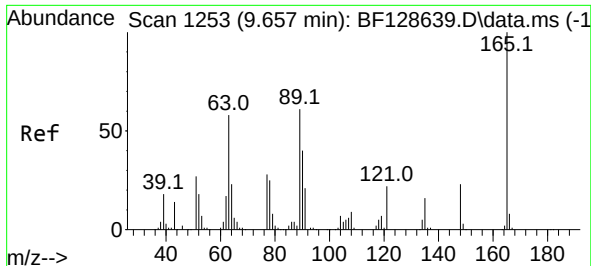
Tgt Ion:172 Resp: 212633
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.8 29.8



#50
Dimethylphthalate
Concen: 2.701 ng
RT: 9.763 min Scan# 1271
Delta R.T. 0.265 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:163 Resp: 47033
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 538.6 8.2 12.2#

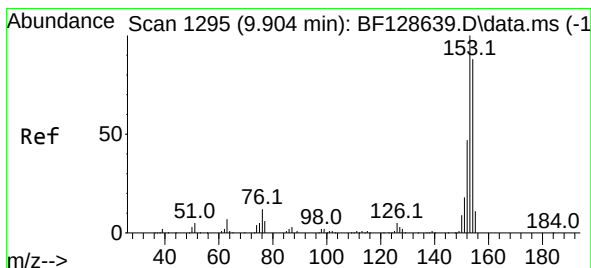
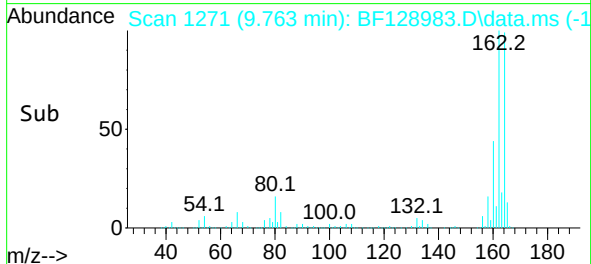
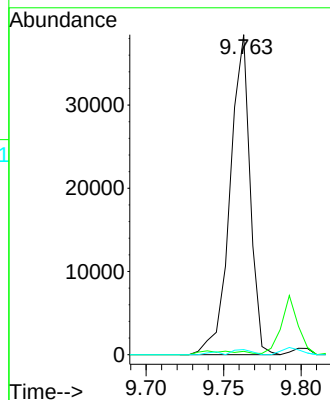
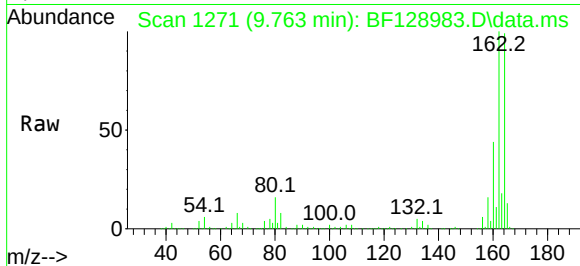




#51
2,6-Dinitrotoluene
Concen: 10.067 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

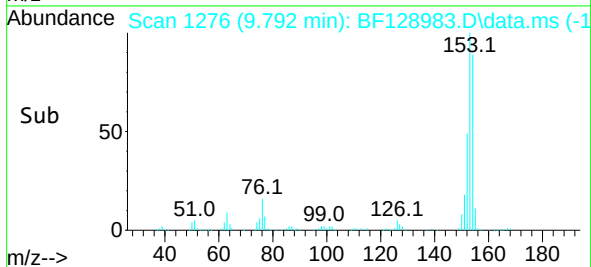
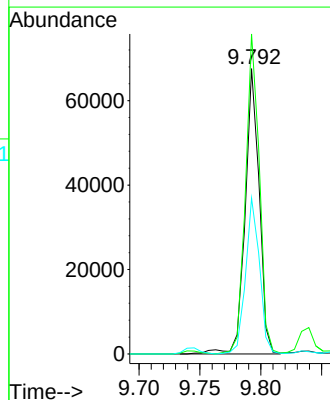
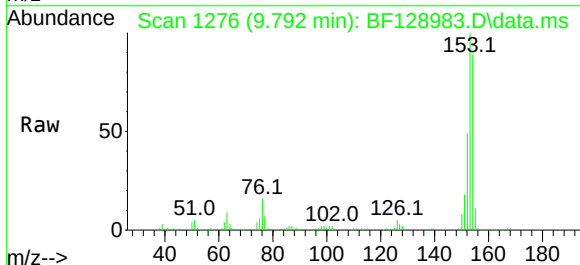
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

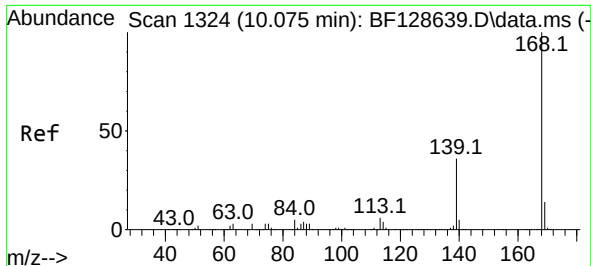
Tgt Ion:165 Resp: 34603
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 1.6 43.6 65.4#



#52
Acenaphthene
Concen: 3.743 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:154 Resp: 54364
Ion Ratio Lower Upper
154 100
153 112.2 89.6 134.4
152 54.6 42.4 63.6

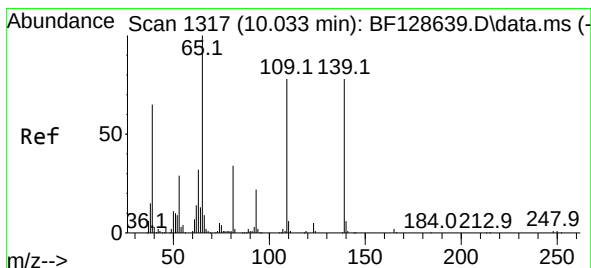
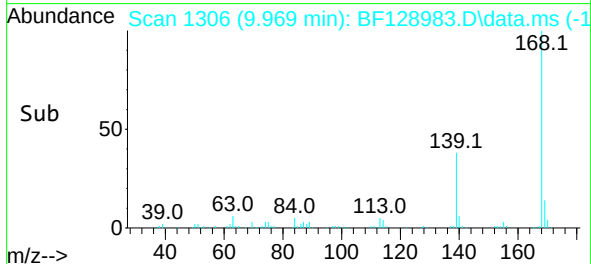
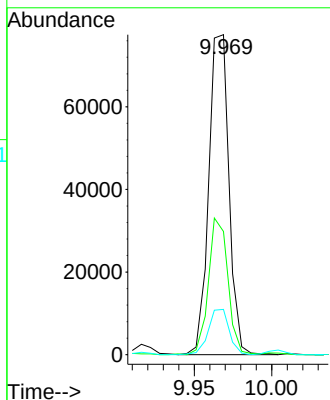
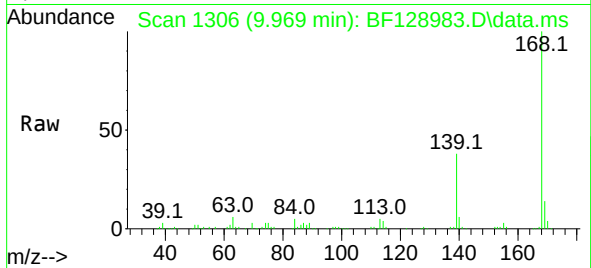




#55
Dibenzenofuran
Concen: 3.372 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

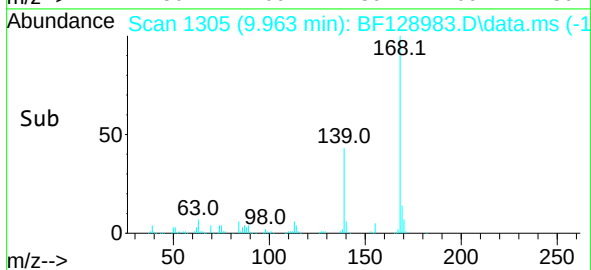
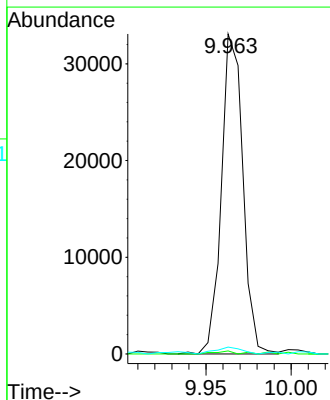
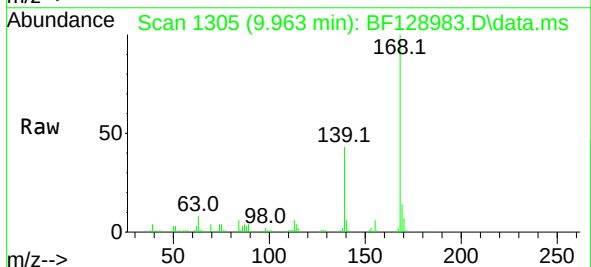
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

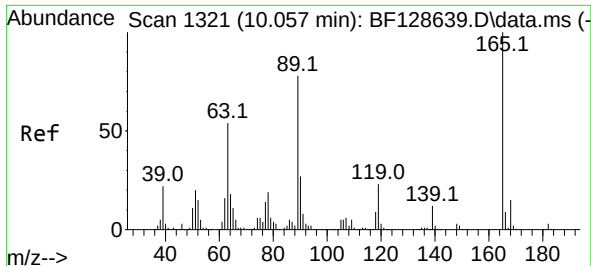
Tgt Ion:168 Resp: 70387
Ion Ratio Lower Upper
168 100
139 38.5 30.6 46.0
169 14.2 11.0 16.6



#56
4-Nitrophenol
Concen: 10.733 ng
RT: 9.963 min Scan# 1305
Delta R.T. 0.035 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:139 Resp: 29024
Ion Ratio Lower Upper
139 100
109 1.0 50.7 90.7#
65 2.1 74.5 114.5#

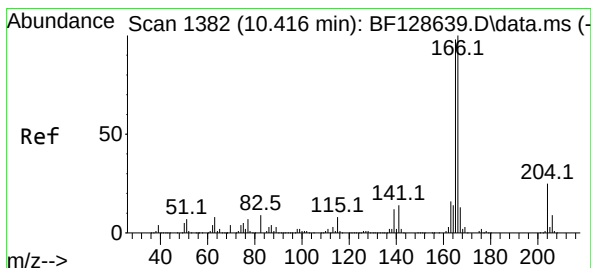
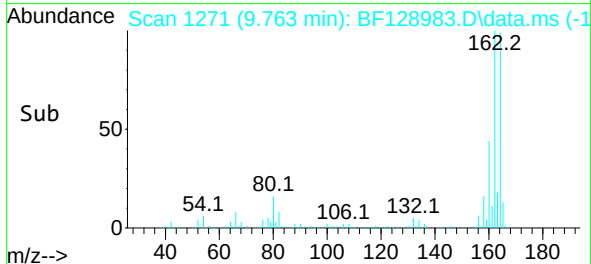
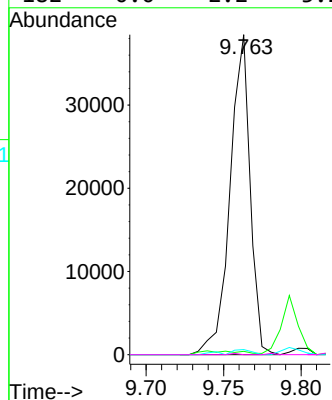
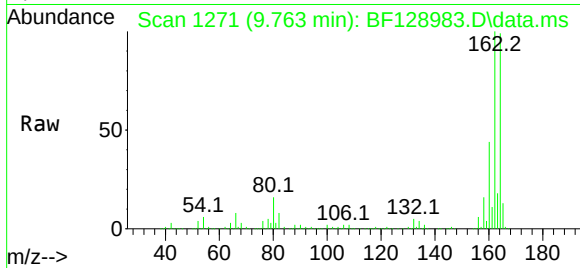




#57
2,4-Dinitrotoluene
Concen: 7.543 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

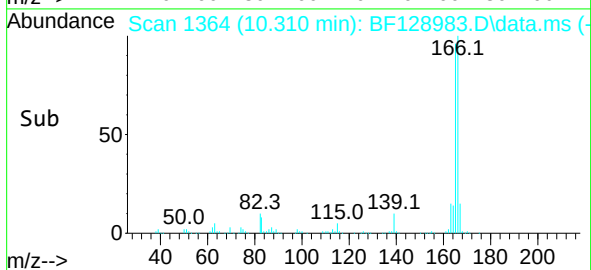
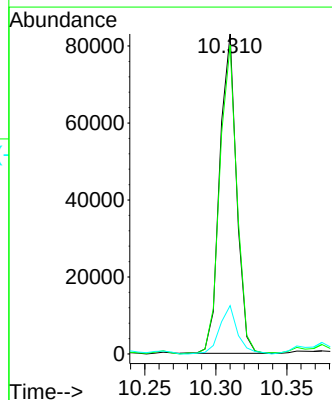
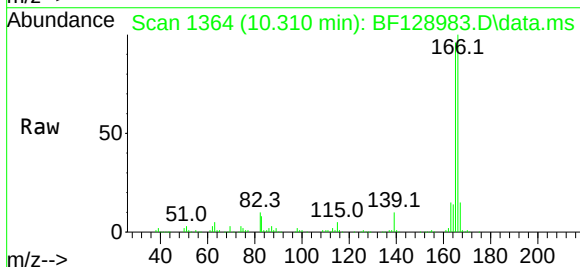
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

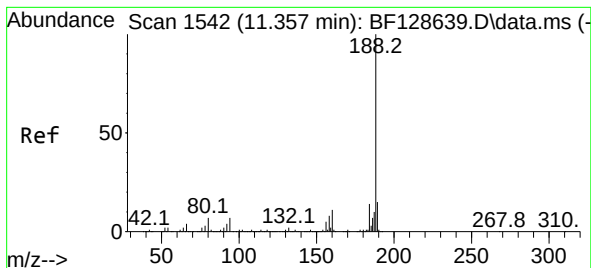
Tgt Ion:165 Resp: 34603
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 1.6 60.2 90.2#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 4.201 ng
RT: 10.310 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:166 Resp: 68006
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 15.1 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22DL

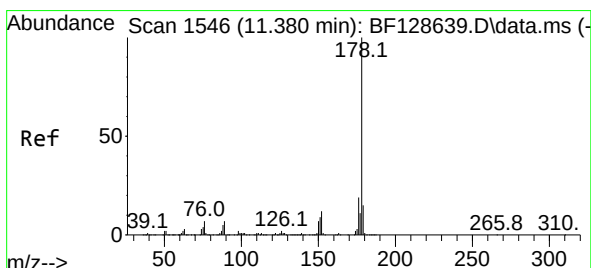
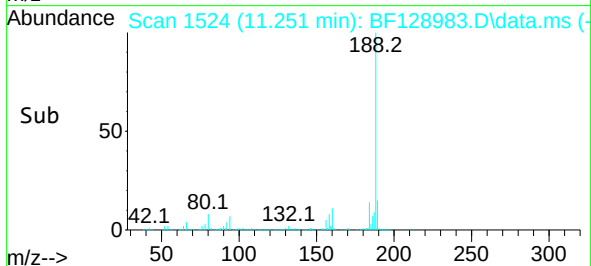
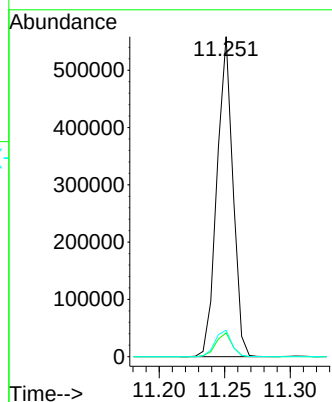
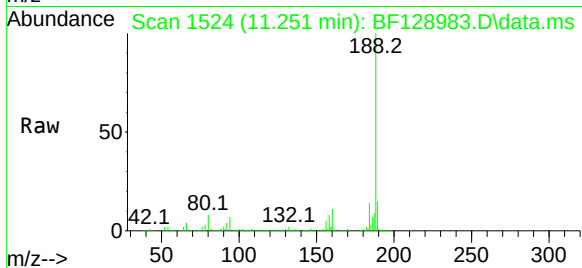
Tgt Ion:188 Resp: 472185

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.6

80 8.3 7.6 11.4



#71

Phenanthrene

Concen: 28.243 ng

RT: 11.275 min Scan# 1528

Delta R.T. -0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

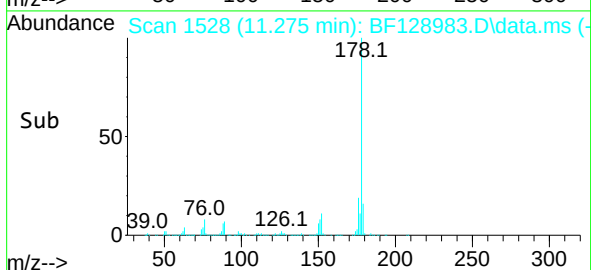
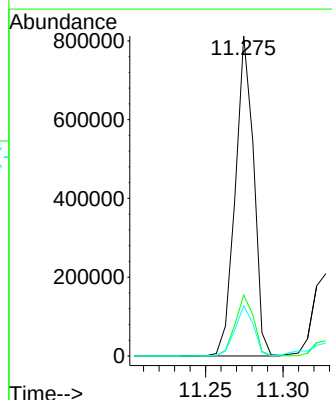
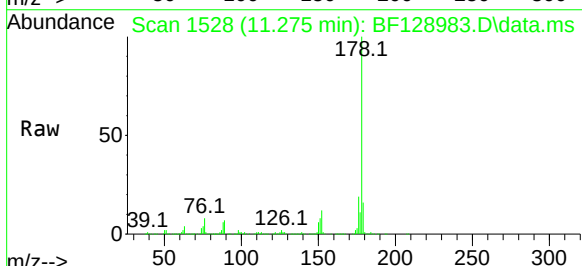
Tgt Ion:178 Resp: 668907

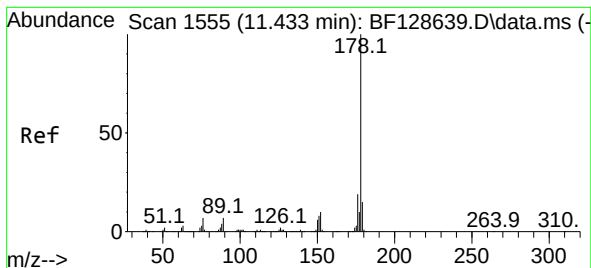
Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 15.7 12.6 19.0





#72

Anthracene

Concen: 7.610 ng

RT: 11.328 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22DL

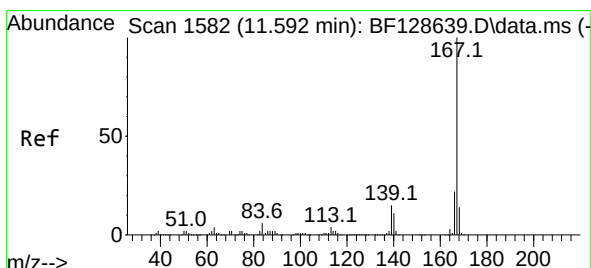
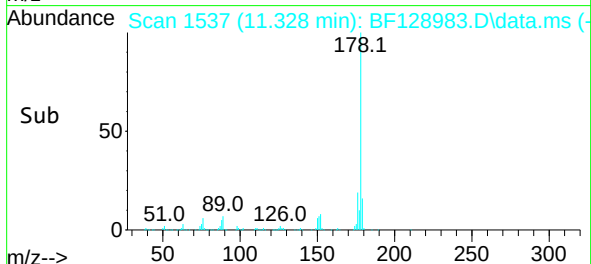
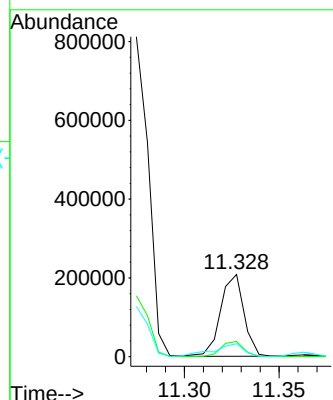
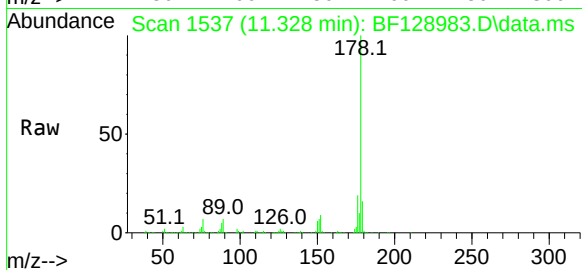
Tgt Ion:178 Resp: 178382

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.7 12.6 19.0



#73

Carbazole

Concen: 2.751 ng

RT: 11.486 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

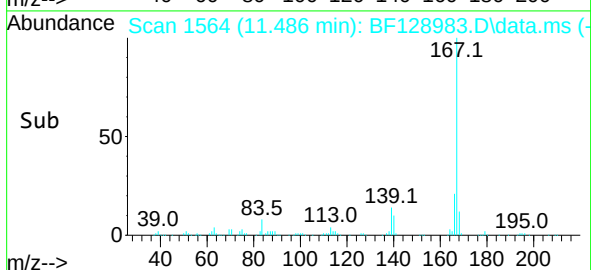
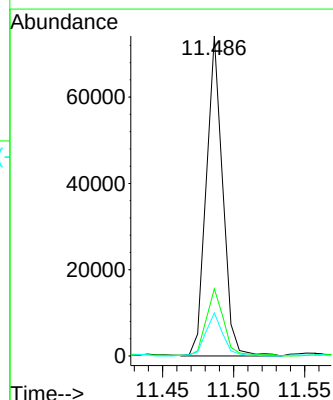
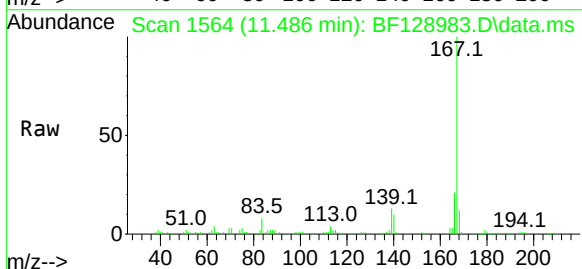
Tgt Ion:167 Resp: 59897

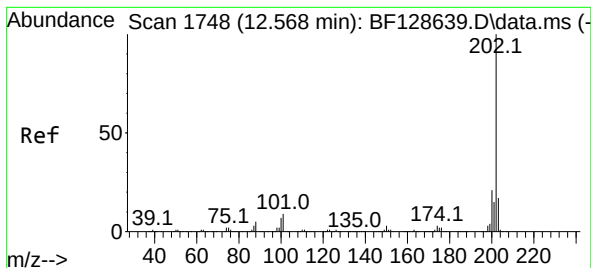
Ion Ratio Lower Upper

167 100

166 21.0 17.7 26.5

139 13.5 11.2 16.8





#75

Fluoranthene

Concen: 22.632 ng

RT: 12.469 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22DL

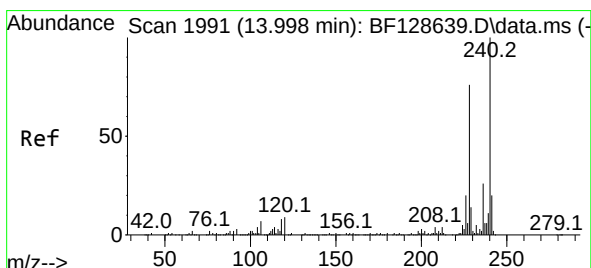
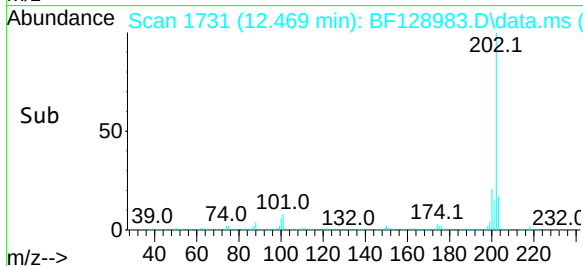
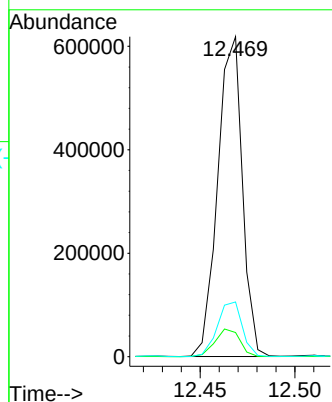
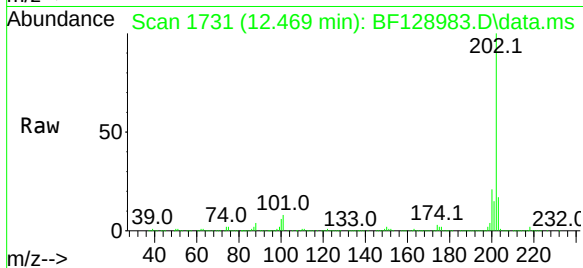
Tgt Ion:202 Resp: 560303

Ion Ratio Lower Upper

202 100

101 7.5 0.0 31.4

203 17.1 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 1974

Delta R.T. 0.000 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

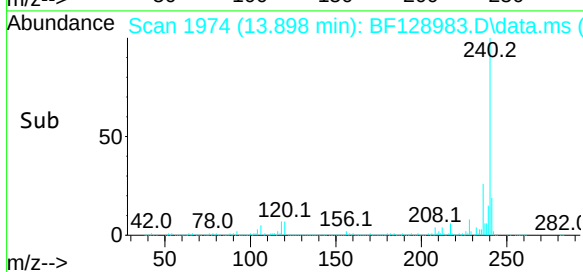
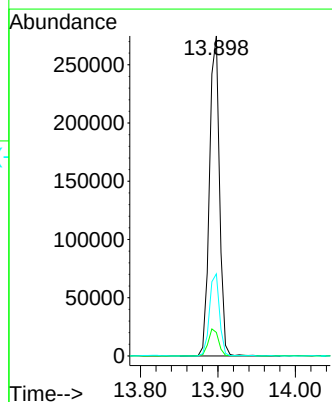
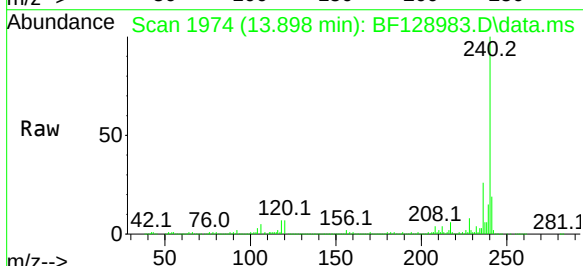
Tgt Ion:240 Resp: 247089

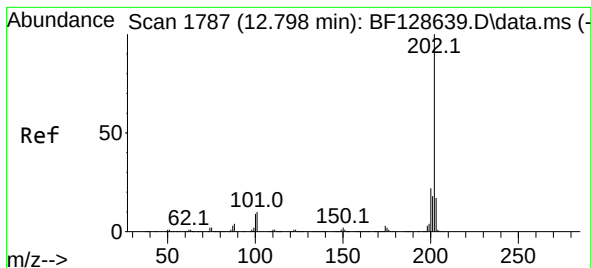
Ion Ratio Lower Upper

240 100

120 7.3 8.9 13.3#

236 25.6 20.8 31.2





#78

Pyrene

Concen: 25.629 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22DL

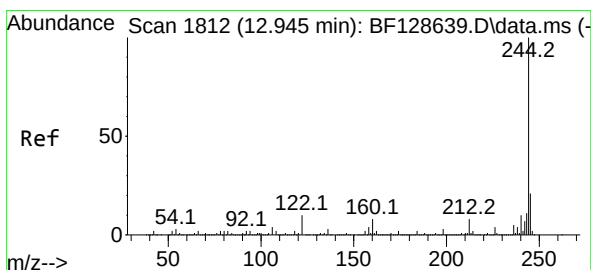
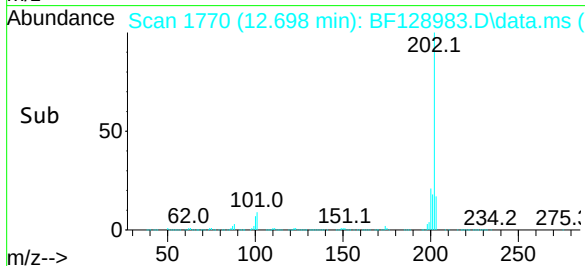
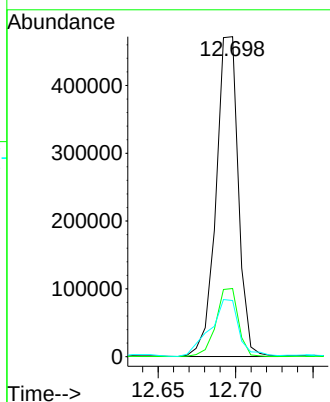
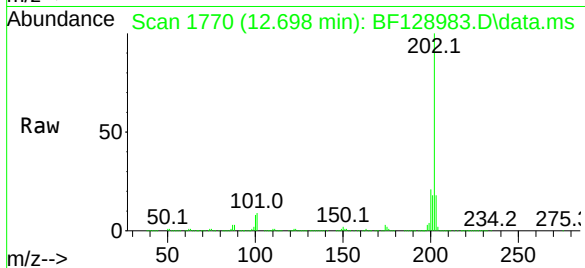
Tgt Ion:202 Resp: 471148

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 17.5 14.6 21.8



#79

Terphenyl-d14

Concen: 15.731 ng

RT: 12.833 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

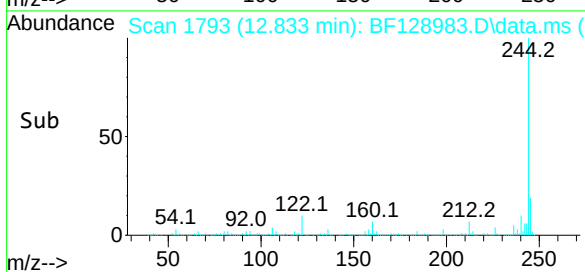
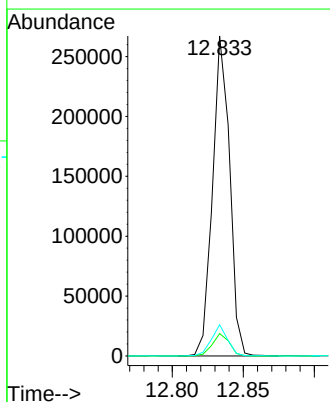
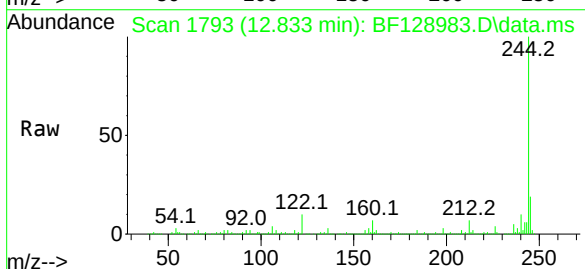
Tgt Ion:244 Resp: 223699

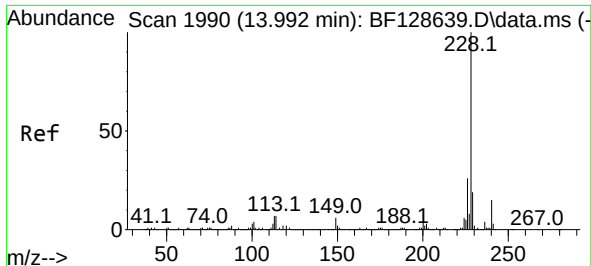
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 9.8 8.8 13.2

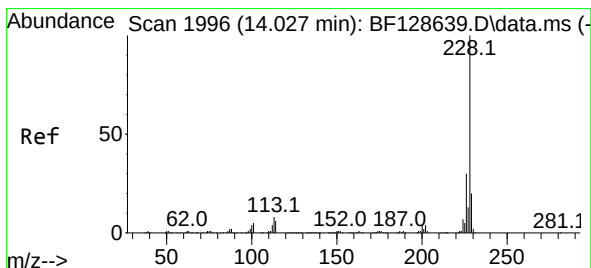
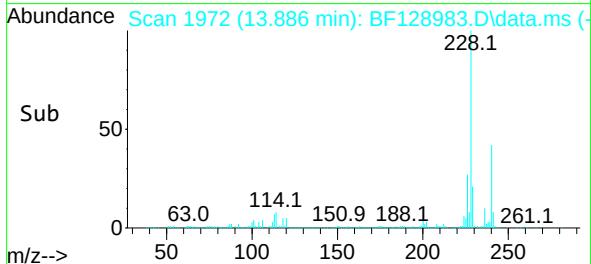
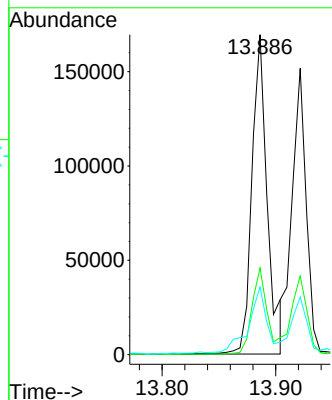
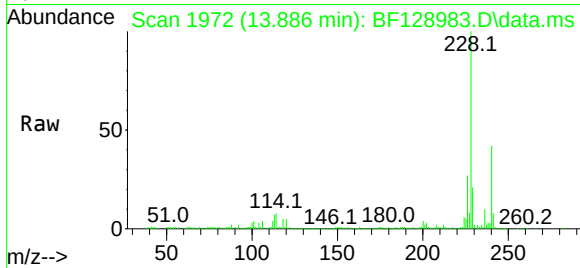




#81
Benzo(a)anthracene
Concen: 10.380 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

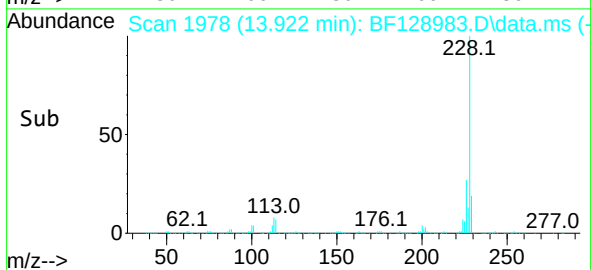
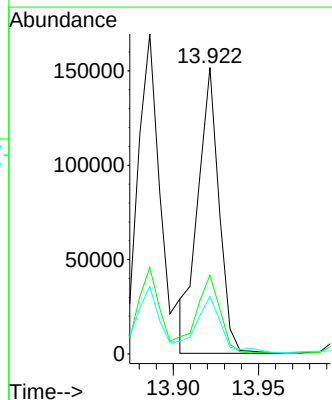
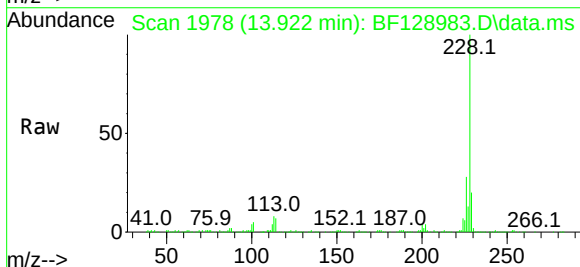
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

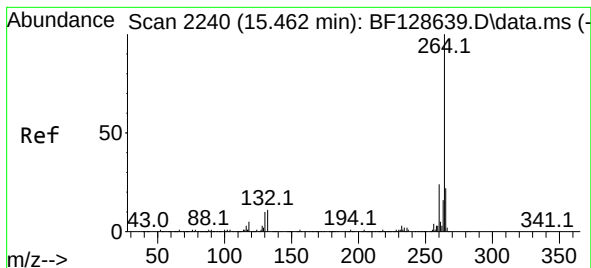
Tgt Ion:228 Resp: 159867
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 21.1 15.8 23.8



#83
Chrysene
Concen: 8.926 ng
RT: 13.922 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

Tgt Ion:228 Resp: 131068
Ion Ratio Lower Upper
228 100
226 27.5 24.3 36.5
229 20.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22DL

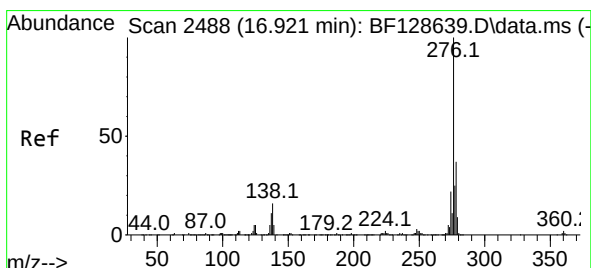
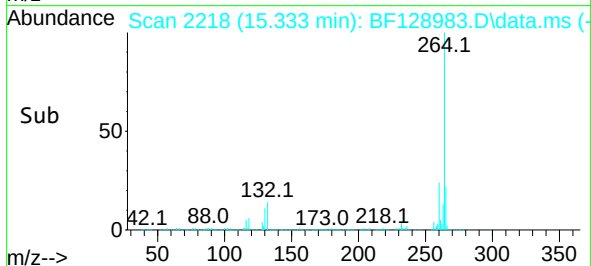
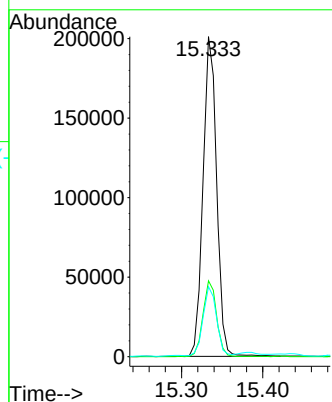
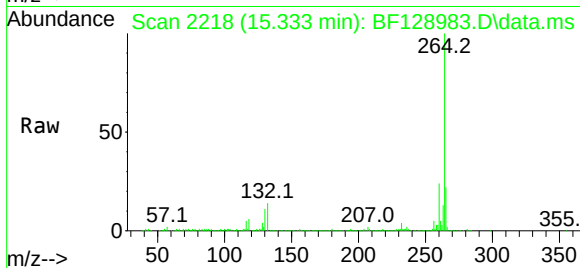
Tgt Ion:264 Resp: 233890

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.776 ng

RT: 16.751 min Scan# 2459

Delta R.T. 0.006 min

Lab File: BF128983.D

Acq: 24 Jun 2022 12:07

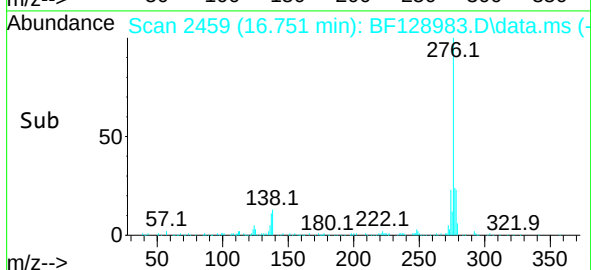
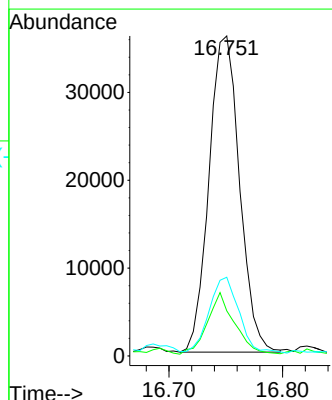
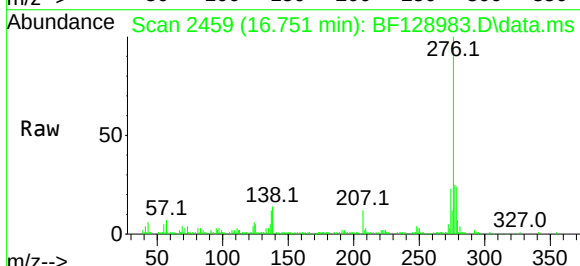
Tgt Ion:276 Resp: 67328

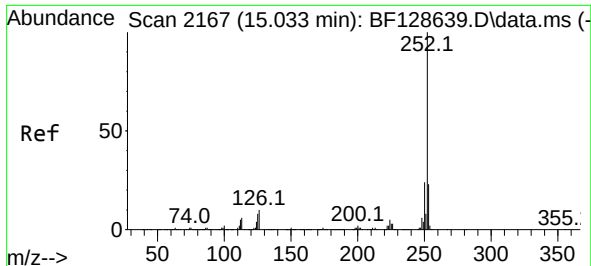
Ion Ratio Lower Upper

276 100

138 18.0 21.1 31.7#

277 23.6 20.3 30.5

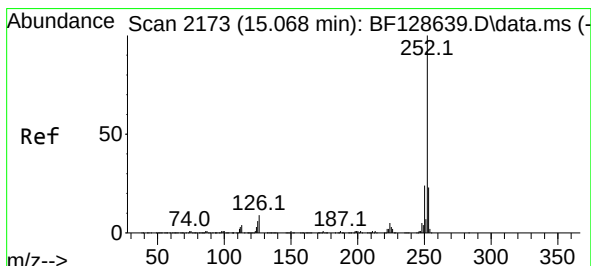
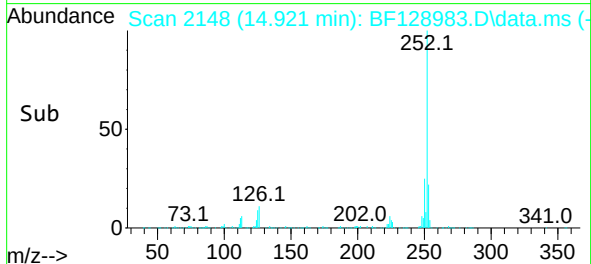
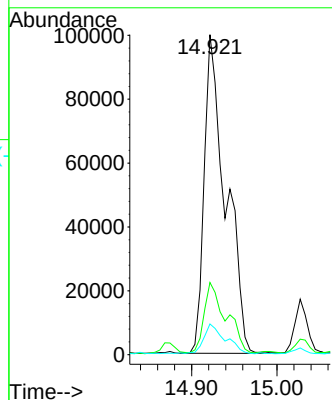
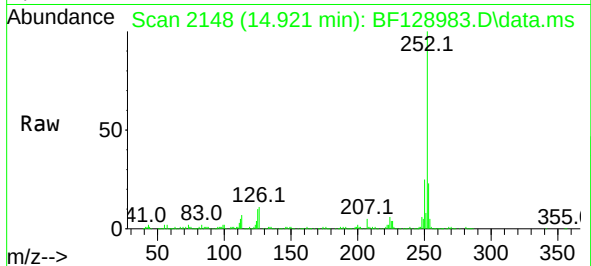




#88
Benzo(b)fluoranthene
Concen: 11.744 ng
RT: 14.921 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

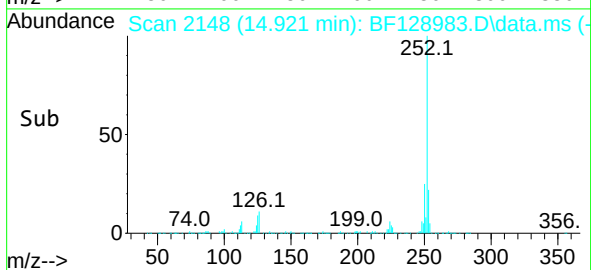
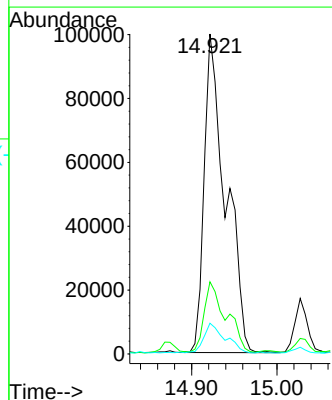
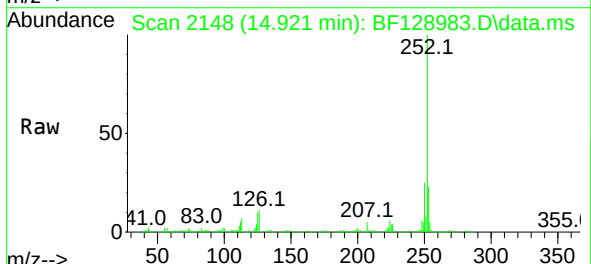
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22DL

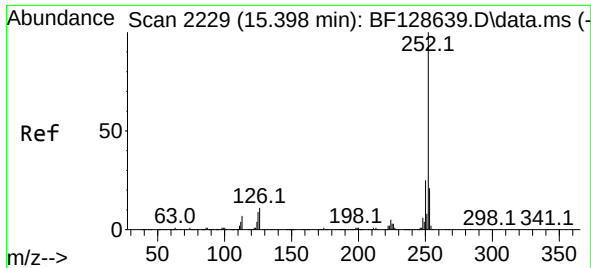
Tgt Ion:252 Resp: 175519
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 9.6 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 12.485 ng
RT: 14.921 min Scan# 2148
Delta R.T. -0.029 min
Lab File: BF128983.D
Acq: 24 Jun 2022 12:07

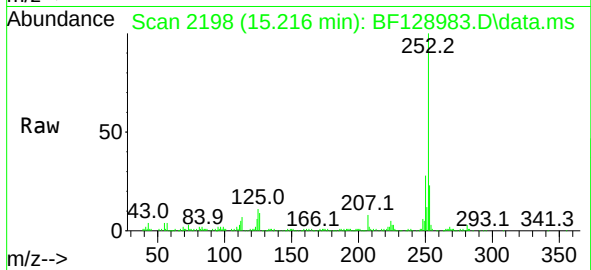
Tgt Ion:252 Resp: 175519
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.6 8.3 12.5





#90
 Benzo(a)pyrene
 Concen: 5.661 ng
 RT: 15.216 min Scan# 21
 Delta R.T. -0.059 min
 Lab File: BF128983.D
 Acq: 24 Jun 2022 12:07

Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS010-22DL



Tgt Ion:252 Resp: 66498
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.0 25.6
 125 10.7 8.8 13.2

