

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128990.D
 Acq On : 24 Jun 2022 15:31
 Operator : CG\JU
 Sample : N3468-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Quant Time: Jun 25 06:13:58 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)

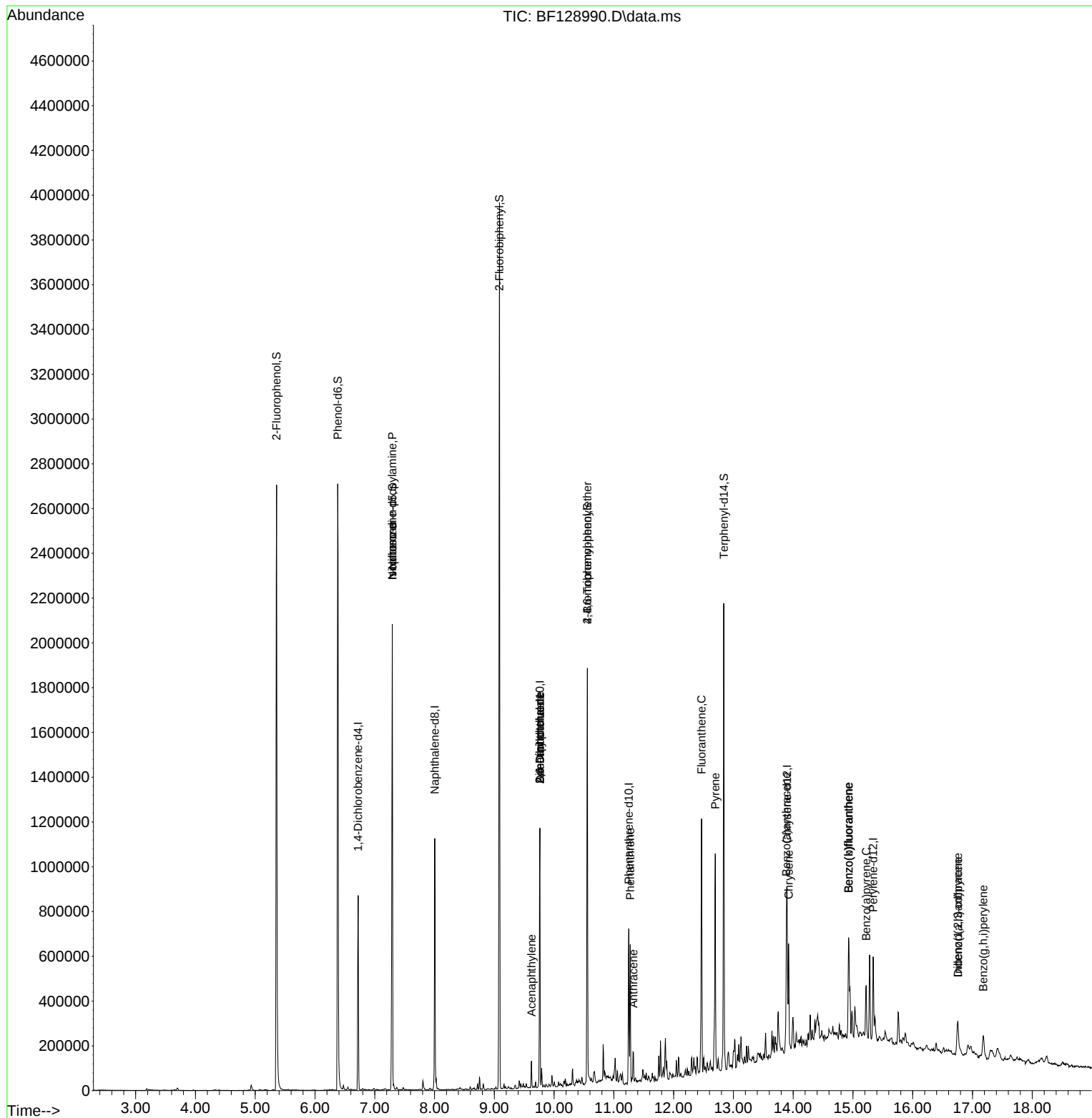
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	112860	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	425498	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	223241	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	241815	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	172765	20.000	ng	# 0.00
86) Perylene-d12	15.339	264	142805	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	690949	97.516	ng	0.00
7) Phenol-d6	6.381	99	879666	101.706	ng	0.00
23) Nitrobenzene-d5	7.292	82	619516	67.788	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	204866	77.668	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1126363	70.677	ng	0.00
79) Terphenyl-d14	12.839	244	677777	68.169	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.292	70	87912	16.348	ng	# 77
25) Isophorone	7.292	82	616998	44.452	ng	# 65
49) Acenaphthylene	9.622	152	41391	2.115	ng	98
50) Dimethylphthalate	9.763	163	41466	2.714	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	29827	9.890	ng	# 26
57) 2,4-Dinitrotoluene	9.763	165	29827	7.411	ng	# 21
67) 4-Bromophenyl-phenylether	10.557	248	12760	4.732	ng	# 1
71) Phenanthrene	11.275	178	206579	17.032	ng	98
72) Anthracene	11.328	178	51925	4.325	ng	99
75) Fluoranthene	12.469	202	418151	32.981	ng	96
78) Pyrene	12.698	202	397509	30.926	ng	98
81) Benzo(a)anthracene	13.886	228	230251	21.381	ng	98
83) Chrysene	13.927	228	202425	19.716	ng	99
87) Indeno(1,2,3-cd)pyrene	16.757	276	88244	10.252	ng	# 89
88) Benzo(b)fluoranthene	14.927	252	332114	36.396	ng	99
89) Benzo(k)fluoranthene	14.927	252	332114	38.690	ng	98
90) Benzo(a)pyrene	15.221	252	113727	15.857	ng	99
91) Dibenzo(a,h)anthracene	16.757	278	24526	3.435	ng	95
92) Benzo(g,h,i)perylene	17.180	276	82364	11.640	ng	97

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

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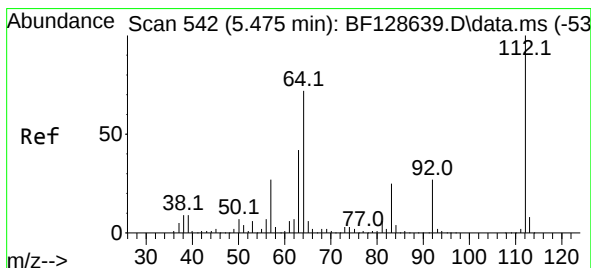
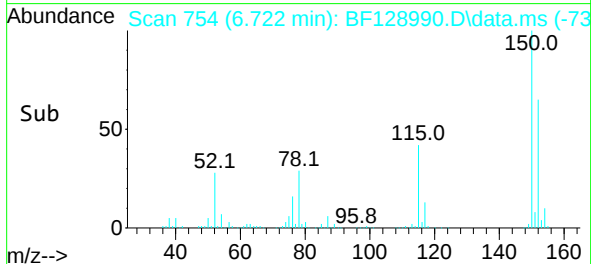
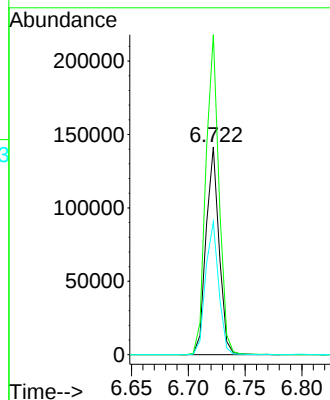
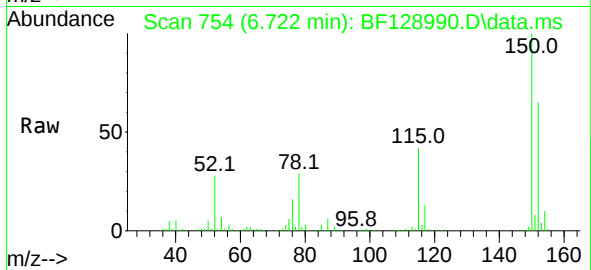




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

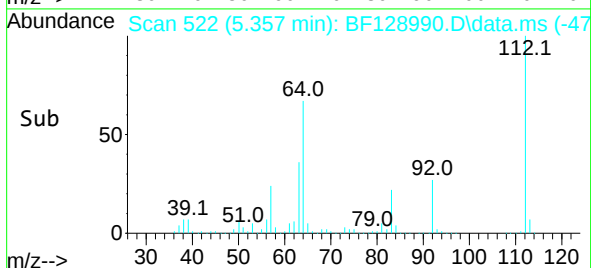
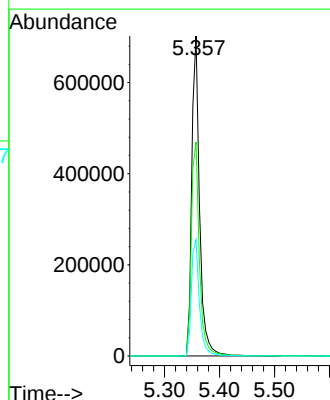
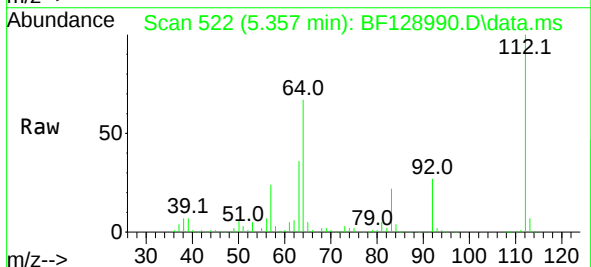
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Tgt Ion:152 Resp: 112860
Ion Ratio Lower Upper
152 100
150 154.1 123.7 185.5
115 64.1 49.9 74.9



#5
2-Fluorophenol
Concen: 97.516 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:112 Resp: 690949
Ion Ratio Lower Upper
112 100
64 66.9 53.3 79.9
63 36.3 28.0 42.0

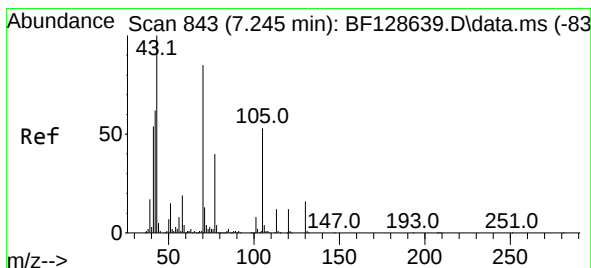
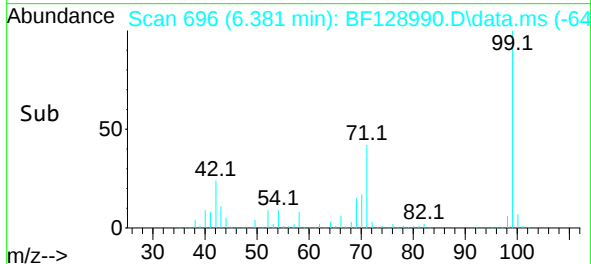
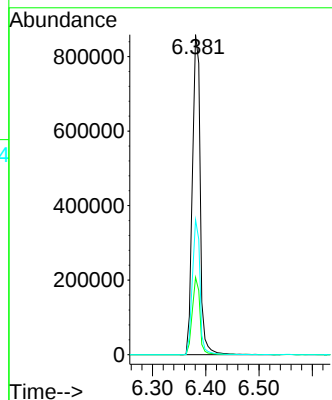
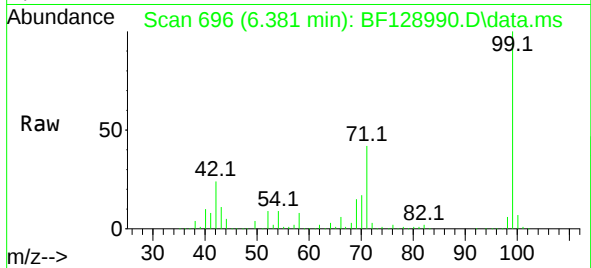




#7
Phenol-d6
Concen: 101.706 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

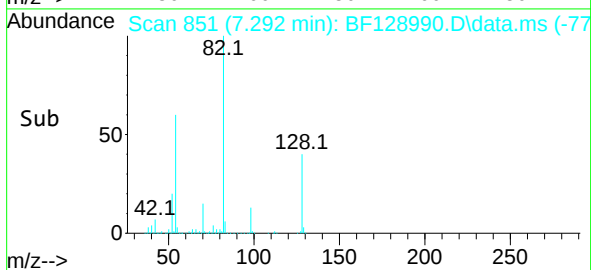
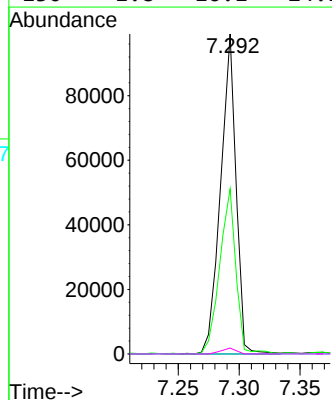
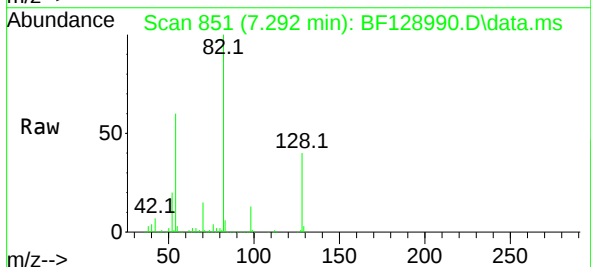
Instrument :
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ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

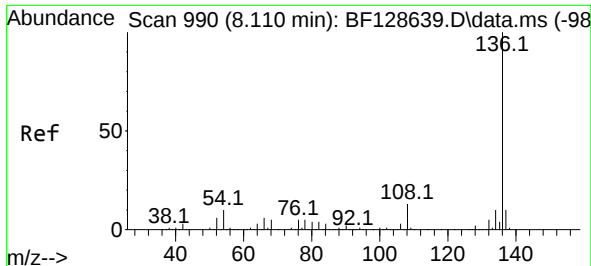
Tgt Ion: 99 Resp: 879666
Ion Ratio Lower Upper
99 100
42 24.1 17.3 25.9
71 42.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.348 ng
RT: 7.292 min Scan# 851
Delta R.T. 0.141 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion: 70 Resp: 87912
Ion Ratio Lower Upper
70 100
42 51.6 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#

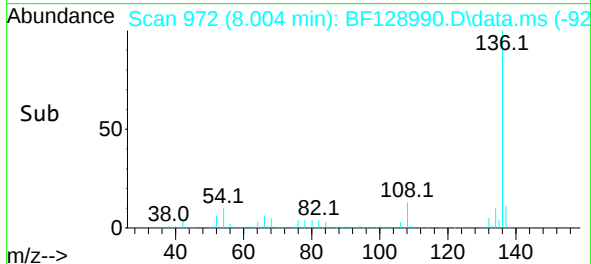
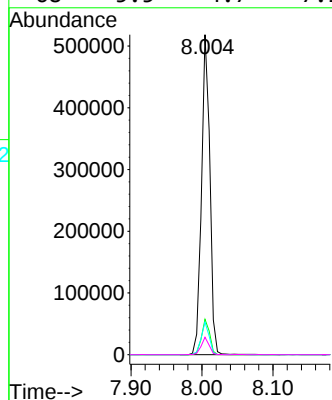
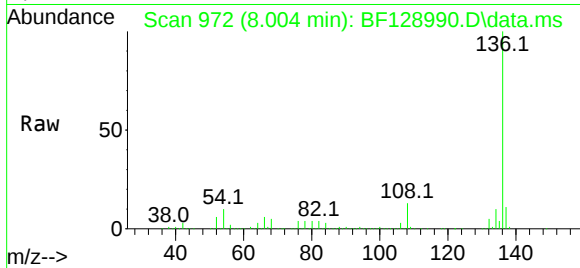




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

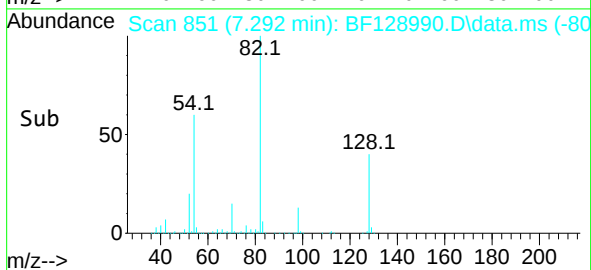
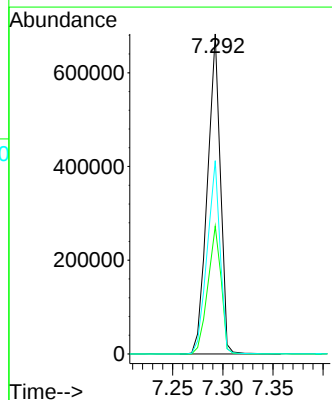
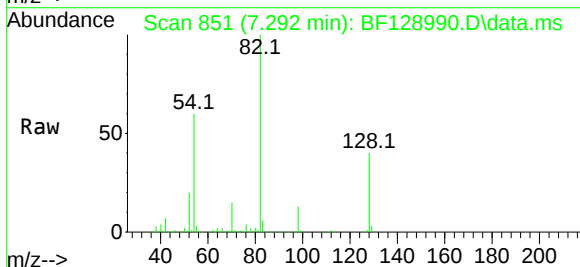
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

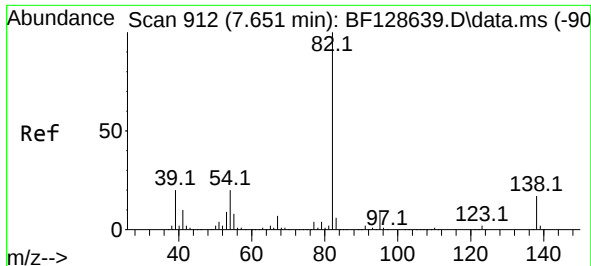
Tgt Ion:136 Resp: 425498
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.1 7.5 11.3
68 5.5 4.7 7.1



#23
Nitrobenzene-d5
Concen: 67.788 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion: 82 Resp: 619516
Ion Ratio Lower Upper
82 100
128 39.9 34.0 51.0
54 60.4 46.9 70.3

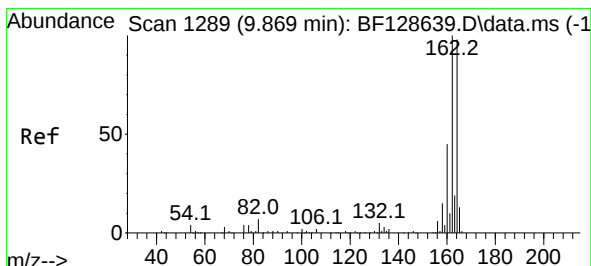
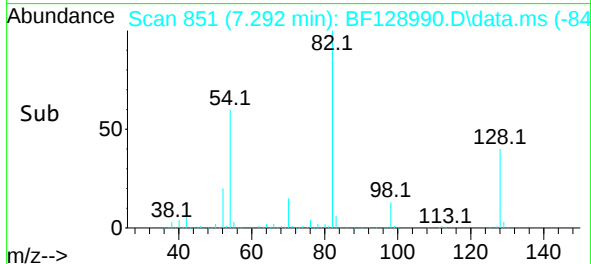
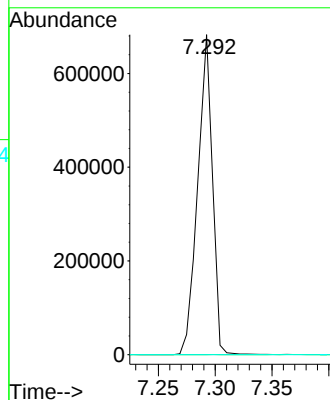
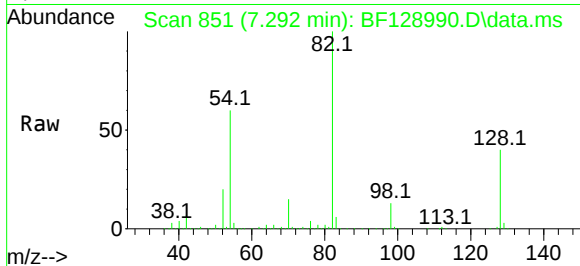




#25
Isophorone
Concen: 44.452 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

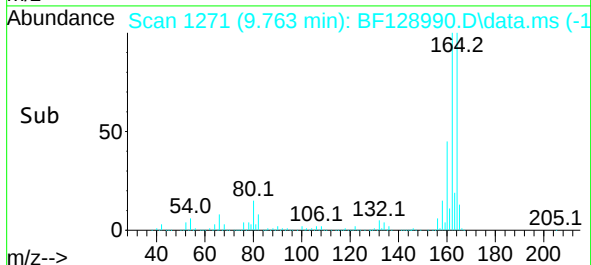
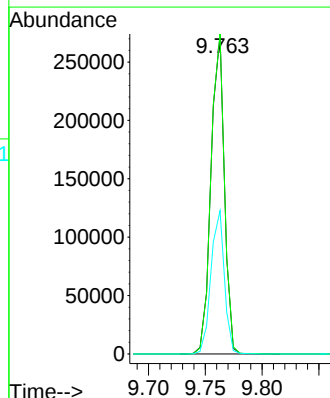
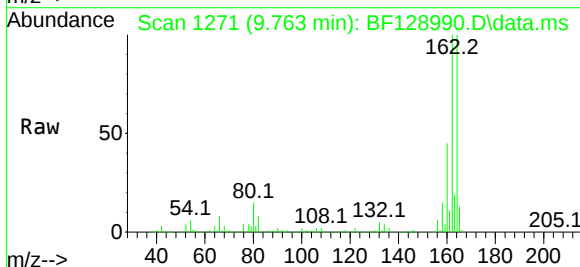
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

Tgt Ion: 82 Resp: 616998
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:164 Resp: 223241
Ion Ratio Lower Upper
164 100
162 100.2 79.5 119.3
160 44.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 77.668 ng

RT: 10.557 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF128990.D

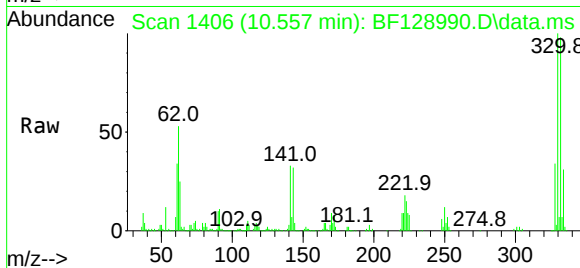
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Instrument :

BNA_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-A-COMP



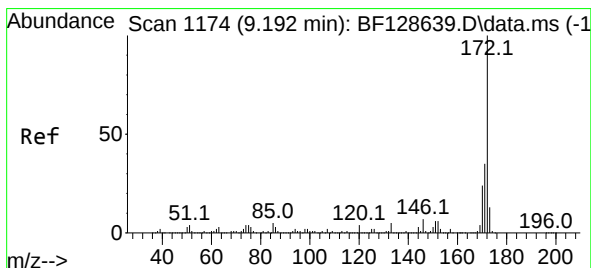
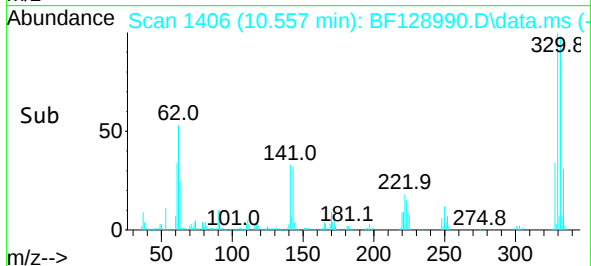
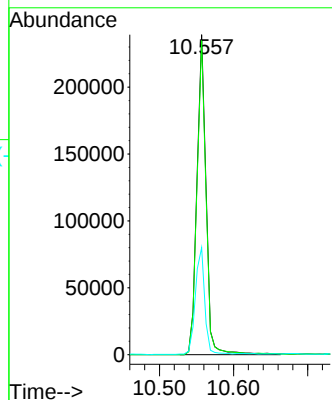
Tgt Ion:330 Resp: 204866

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

141 34.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 70.677 ng

RT: 9.086 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

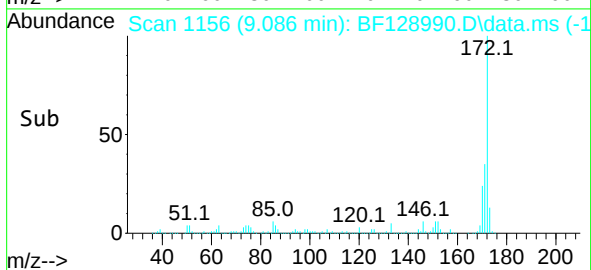
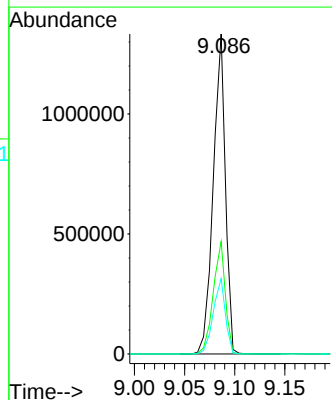
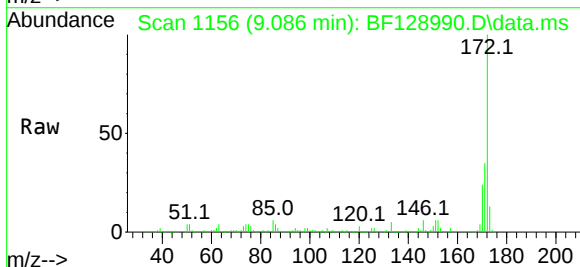
Tgt Ion:172 Resp: 1126363

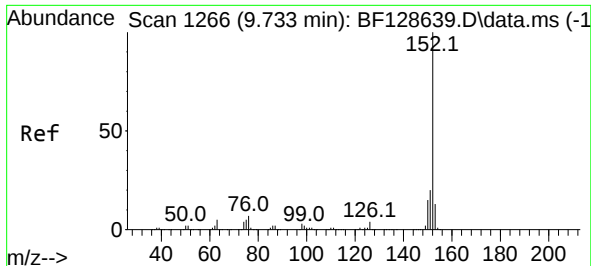
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.5 19.8 29.8





#49

Acenaphthylene

Concen: 2.115 ng

RT: 9.622 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

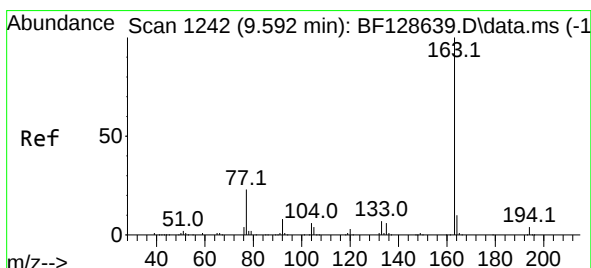
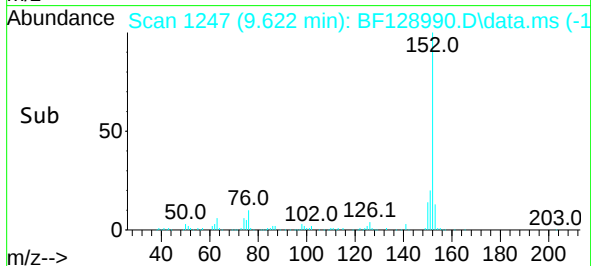
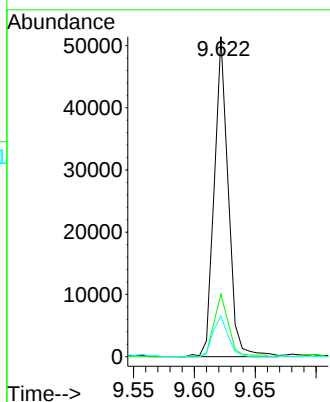
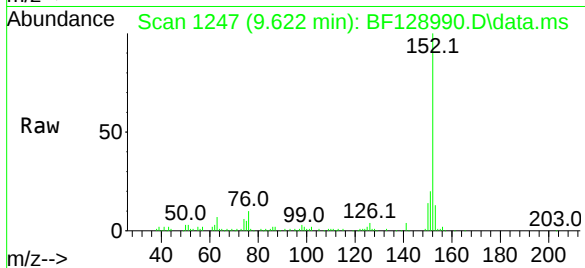
Tgt Ion:152 Resp: 41391

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 12.6 10.7 16.1



#50

Dimethylphthalate

Concen: 2.714 ng

RT: 9.763 min Scan# 1271

Delta R.T. 0.265 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

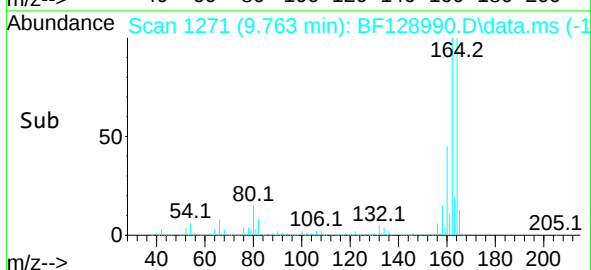
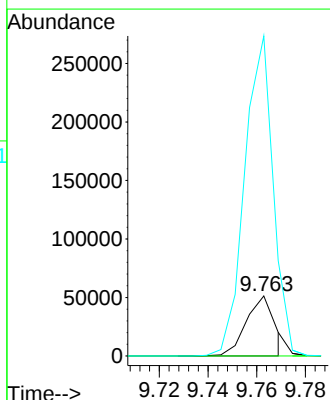
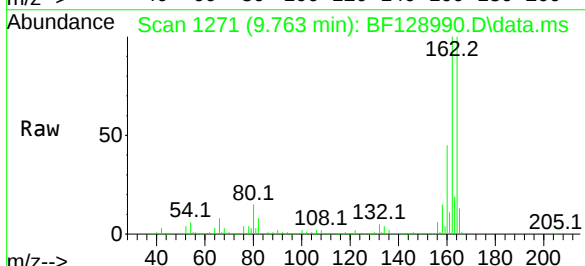
Tgt Ion:163 Resp: 41466

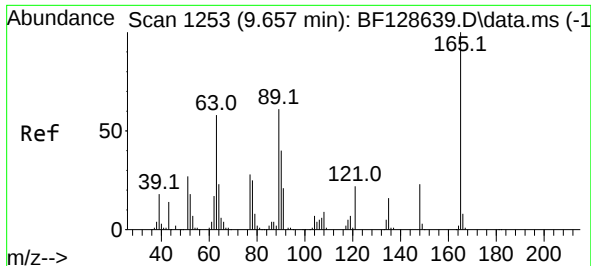
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 532.6 8.2 12.2#

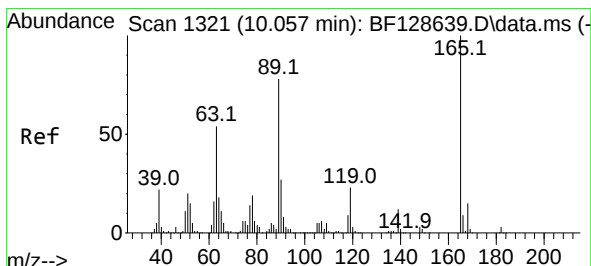
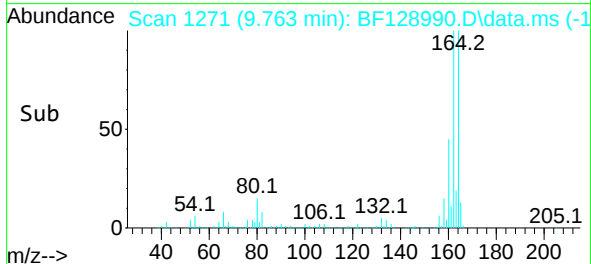
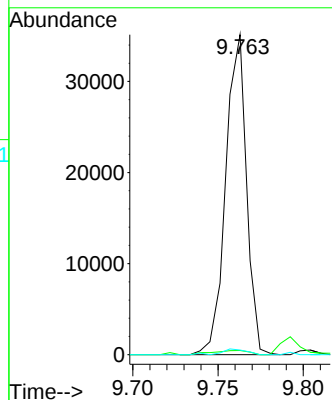
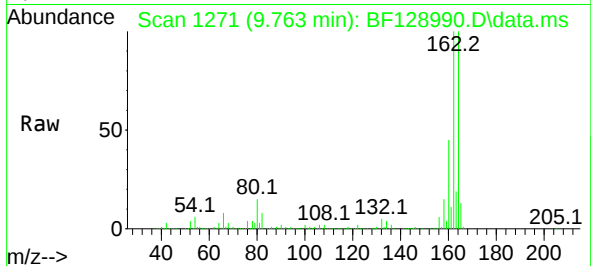




#51
2,6-Dinitrotoluene
Concen: 9.890 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

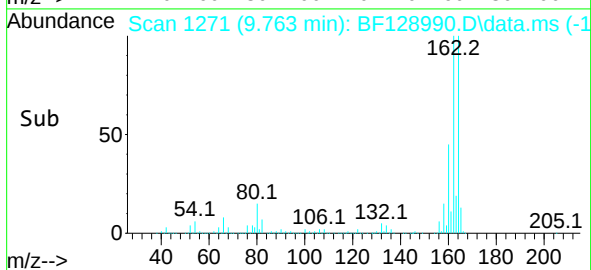
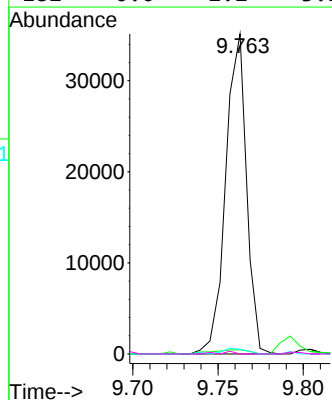
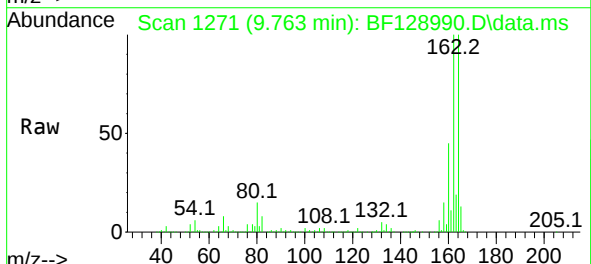
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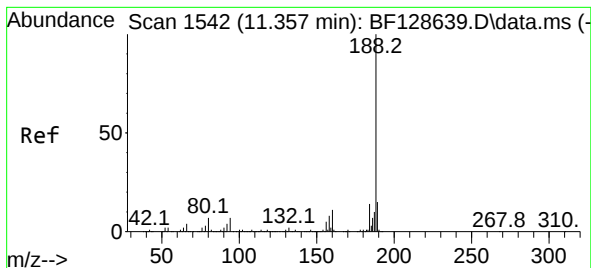
Tgt Ion:165 Resp: 29827
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.5 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.411 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.206 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:165 Resp: 29827
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

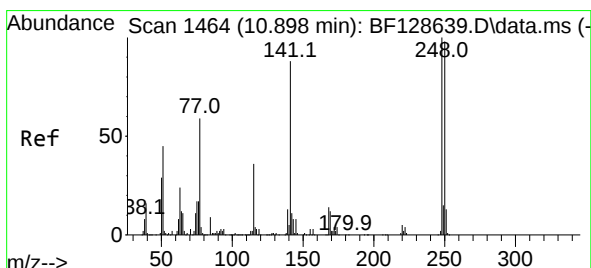
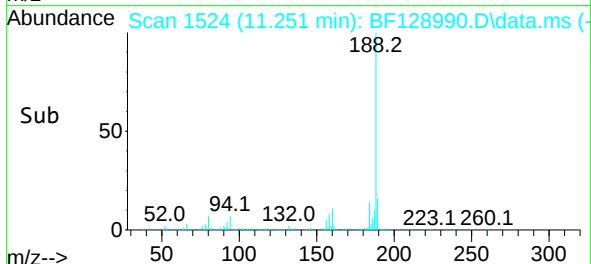
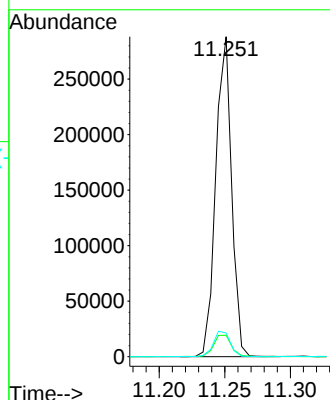
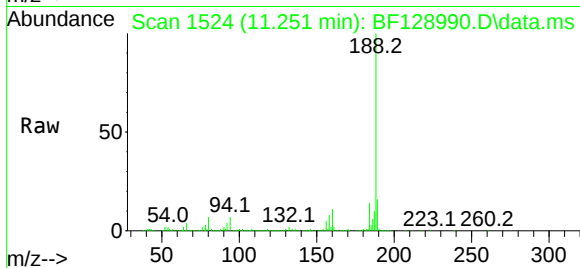
Tgt Ion:188 Resp: 241815

Ion Ratio Lower Upper

188 100

94 6.7 7.0 10.6#

80 7.4 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 4.732 ng

RT: 10.557 min Scan# 1406

Delta R.T. -0.241 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

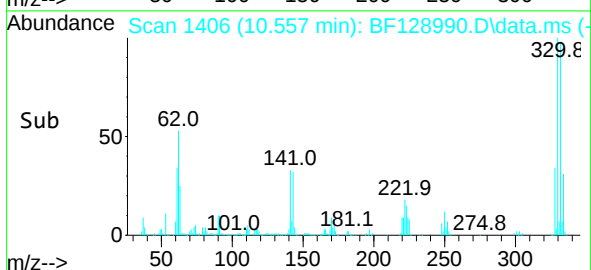
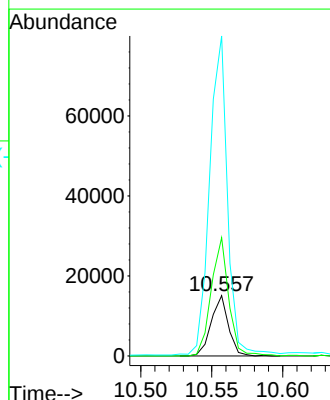
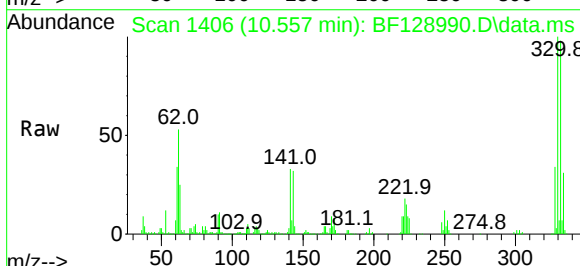
Tgt Ion:248 Resp: 12760

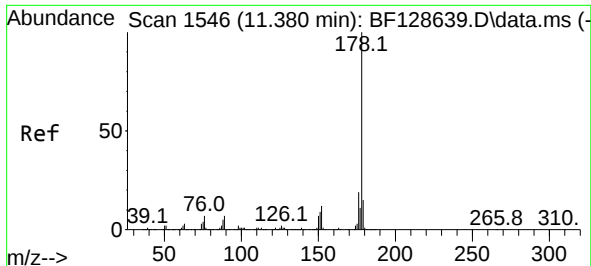
Ion Ratio Lower Upper

248 100

250 195.9 80.6 120.8#

141 530.0 58.9 88.3#

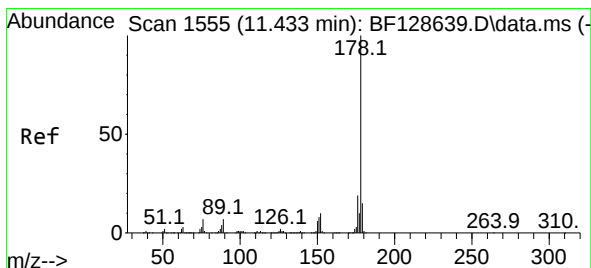
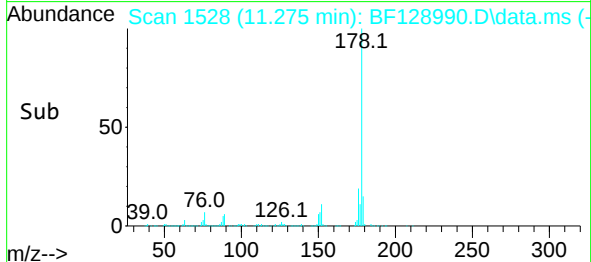
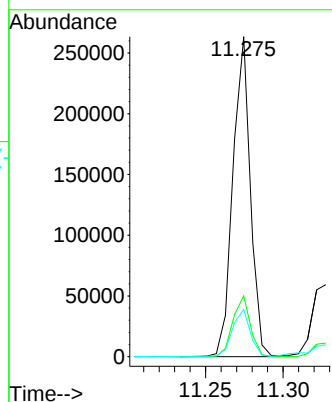
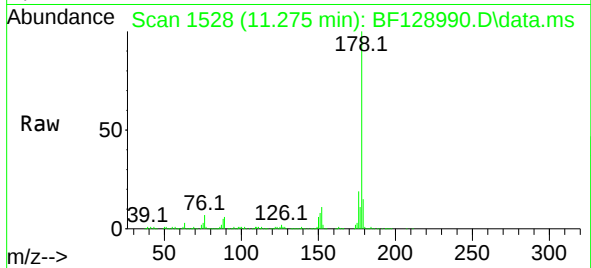




#71
Phenanthrene
Concen: 17.032 ng
RT: 11.275 min Scan# 1537
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

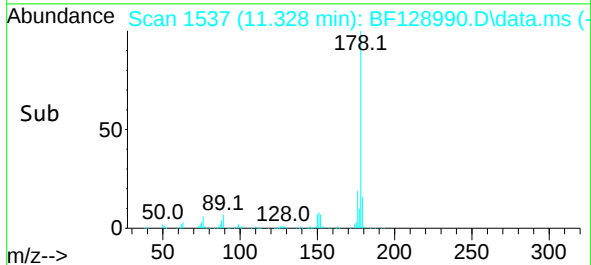
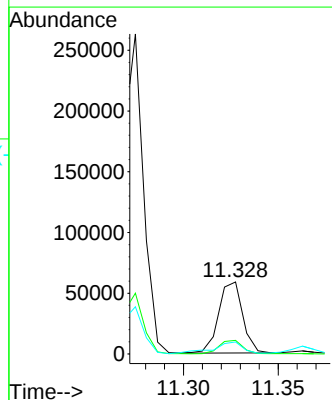
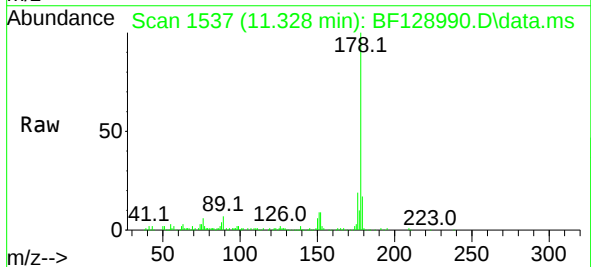
Instrument : BNA_F
ClientSampleId : XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

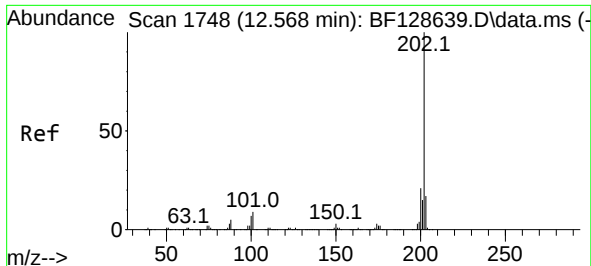
Tgt Ion:178 Resp: 206579
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 14.8 12.6 19.0



#72
Anthracene
Concen: 4.325 ng
RT: 11.328 min Scan# 1537
Delta R.T. -0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:178 Resp: 51925
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 16.7 12.6 19.0

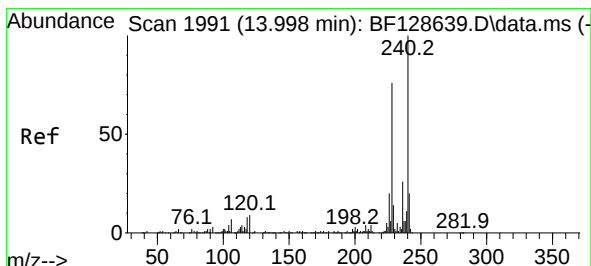
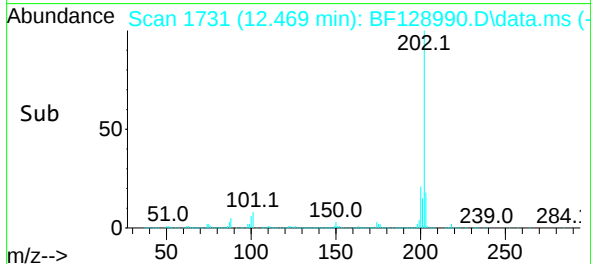
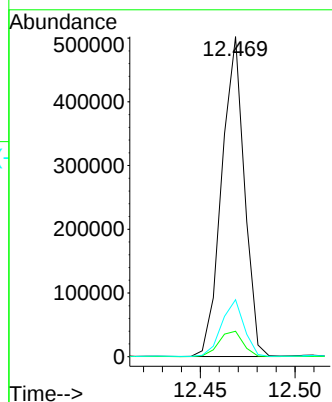
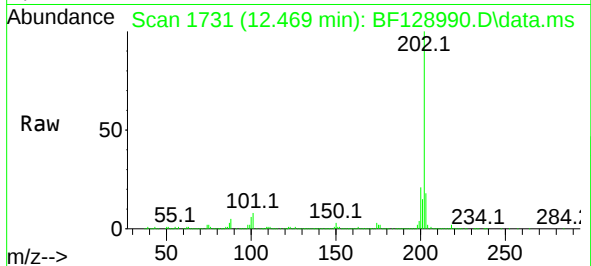




#75
Fluoranthene
Concen: 32.981 ng
RT: 12.469 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

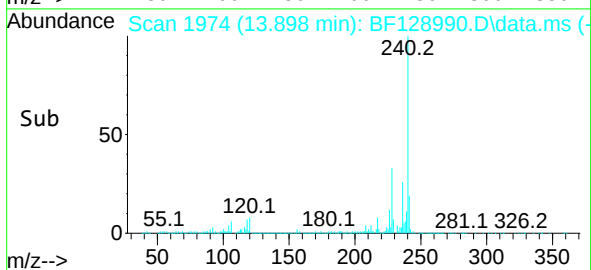
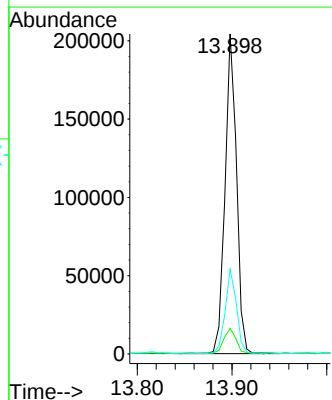
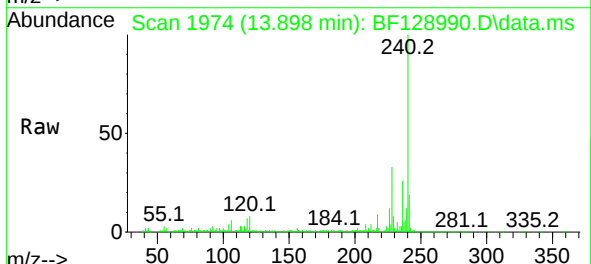
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

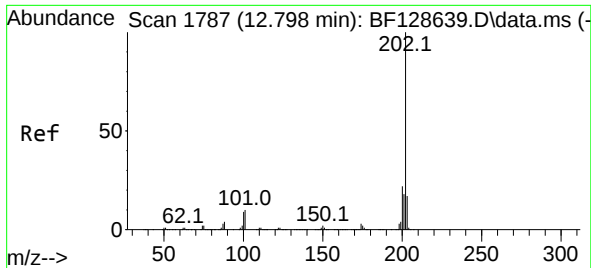
Tgt Ion:202 Resp: 418151
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:240 Resp: 172765
Ion Ratio Lower Upper
240 100
120 8.0 8.9 13.3#
236 26.5 20.8 31.2

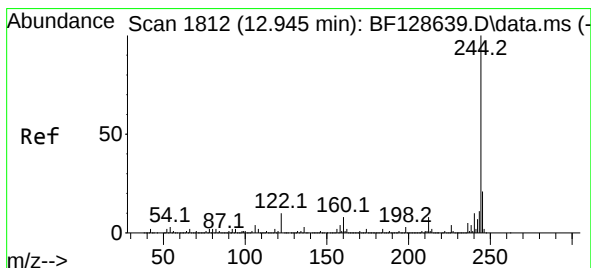
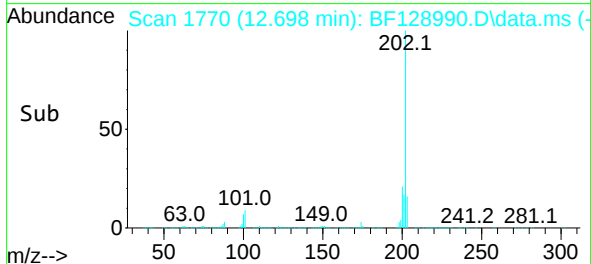
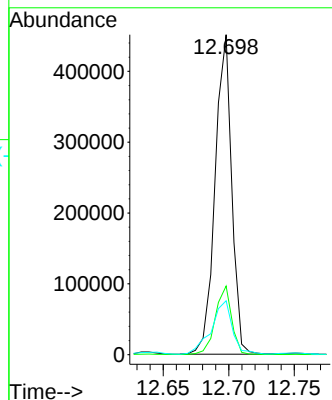
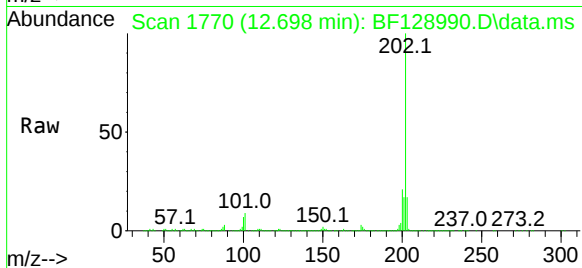




#78
Pyrene
Concen: 30.926 ng
RT: 12.698 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

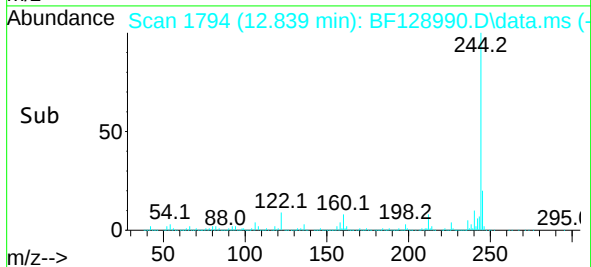
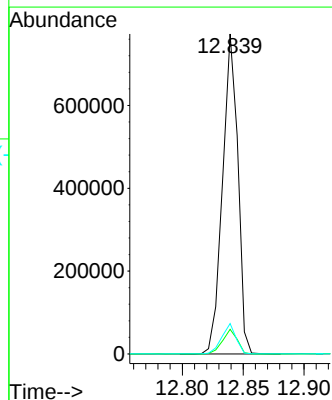
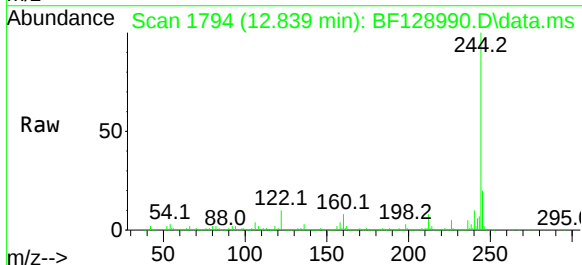
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

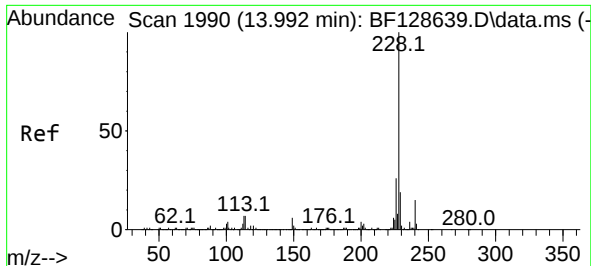
Tgt Ion:202 Resp: 397509
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 16.9 14.6 21.8



#79
Terphenyl-d14
Concen: 68.169 ng
RT: 12.839 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:244 Resp: 677777
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 9.5 8.8 13.2

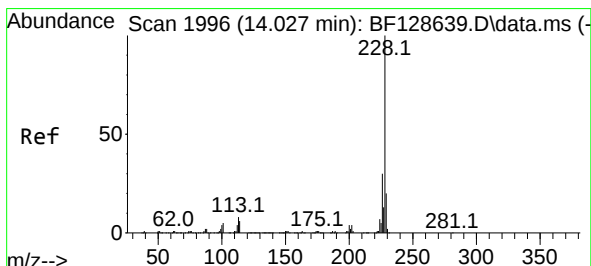
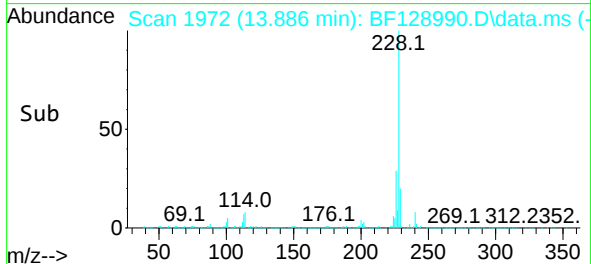
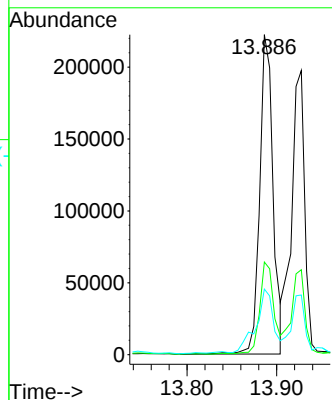
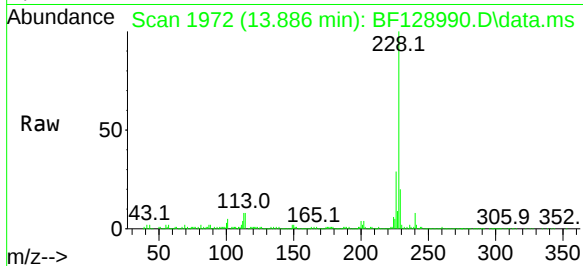




#81
Benzo(a)anthracene
Concen: 21.381 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

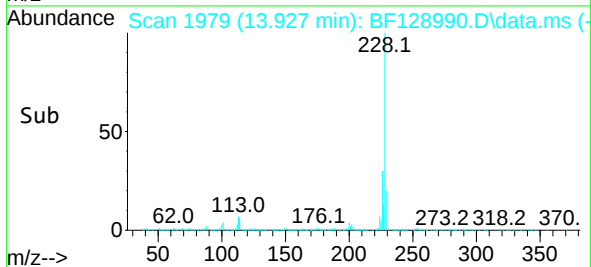
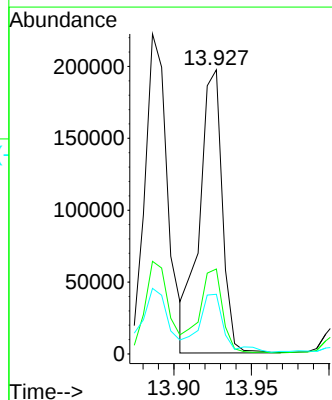
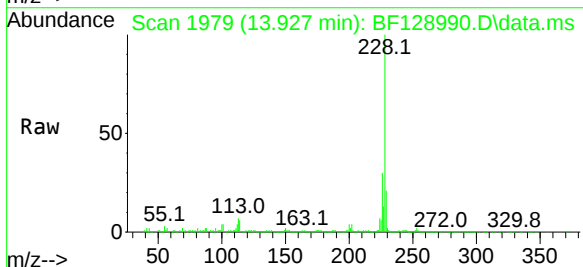
Instrument :
BNA_F
ClientSampleId :
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

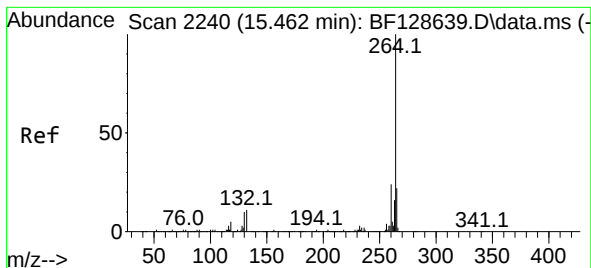
Tgt Ion:228 Resp: 230251
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 20.5 15.8 23.8



#83
Chrysene
Concen: 19.716 ng
RT: 13.927 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

Tgt Ion:228 Resp: 202425
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

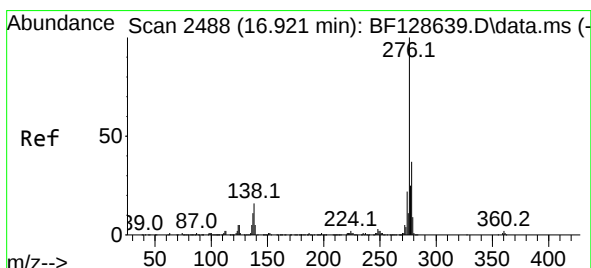
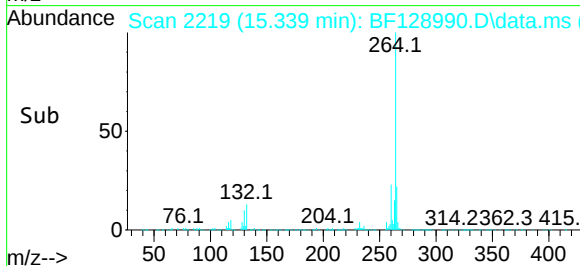
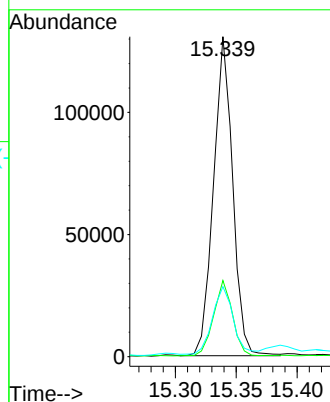
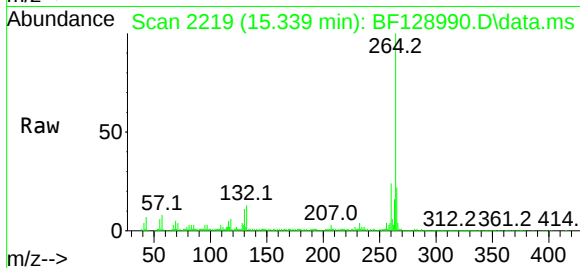
Tgt Ion:264 Resp: 142805

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 21.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.252 ng

RT: 16.757 min Scan# 2460

Delta R.T. 0.012 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

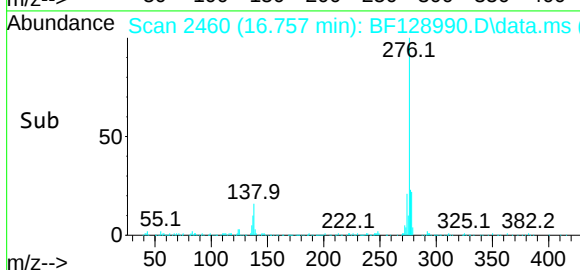
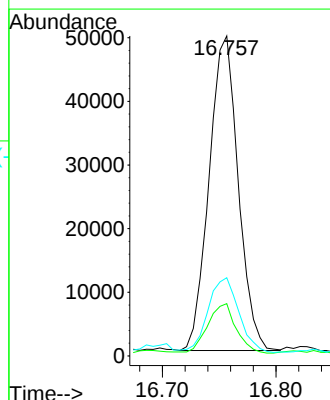
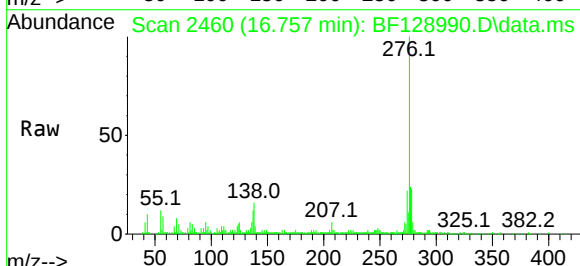
Tgt Ion:276 Resp: 88244

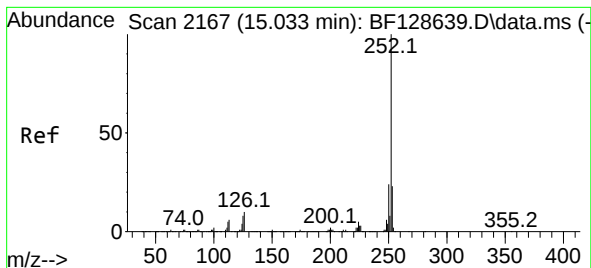
Ion Ratio Lower Upper

276 100

138 15.5 21.1 31.7#

277 25.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 36.396 ng

RT: 14.927 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

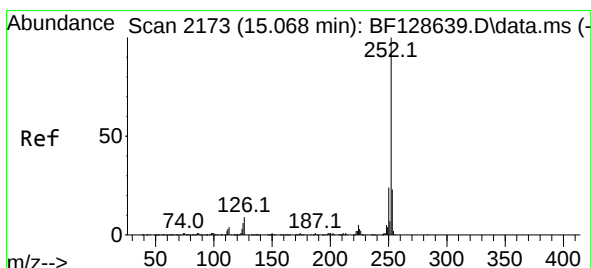
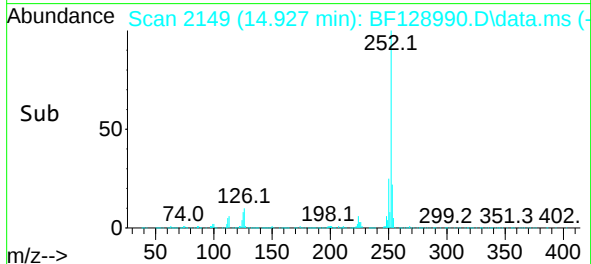
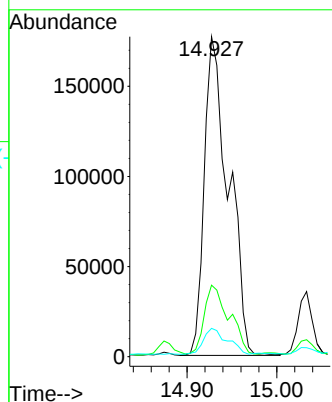
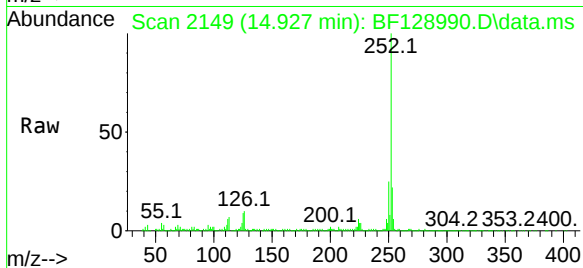
Tgt Ion:252 Resp: 332114

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 8.9 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 38.690 ng

RT: 14.927 min Scan# 2149

Delta R.T. -0.024 min

Lab File: BF128990.D

Acq: 24 Jun 2022 15:31

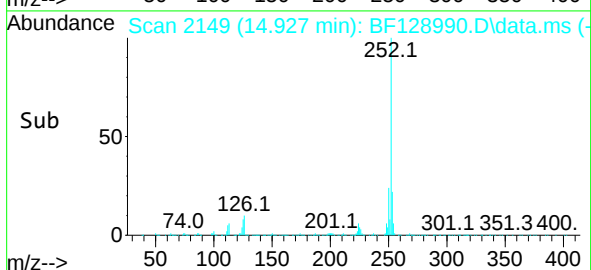
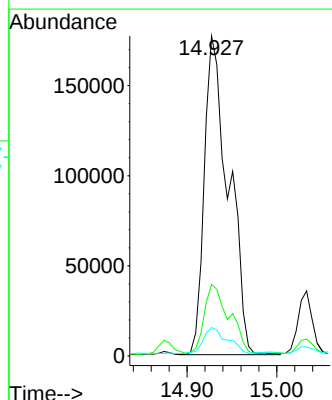
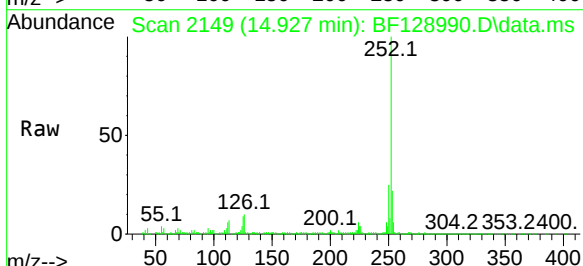
Tgt Ion:252 Resp: 332114

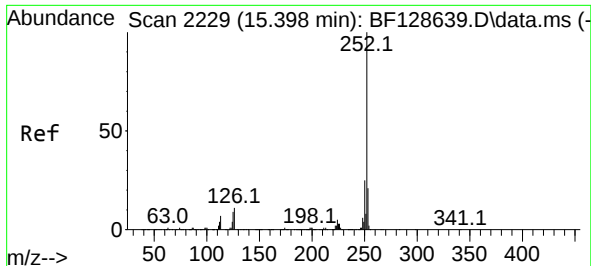
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 8.9 8.3 12.5





#90
Benzo(a)pyrene
Concen: 15.857 ng
RT: 15.221 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

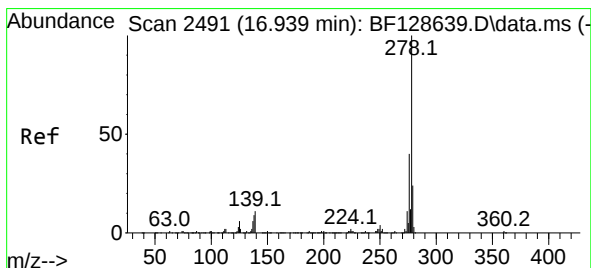
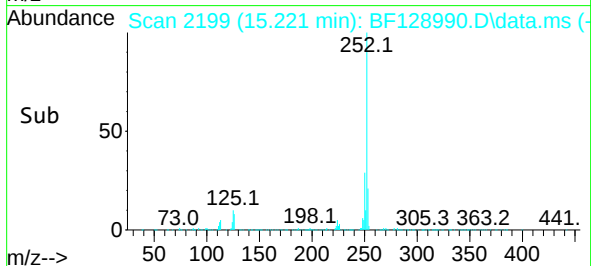
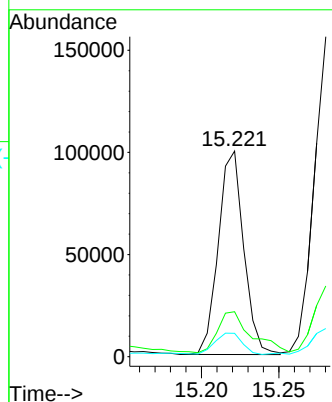
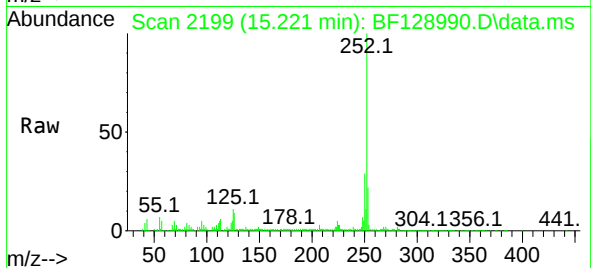
Instrument :

BNA_F

ClientSampleId :

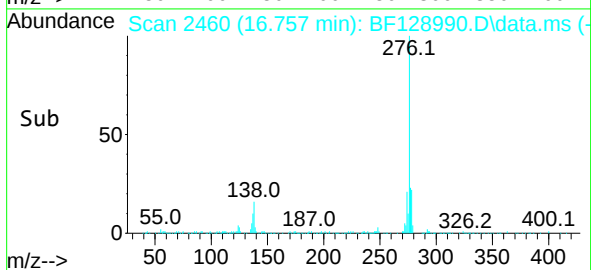
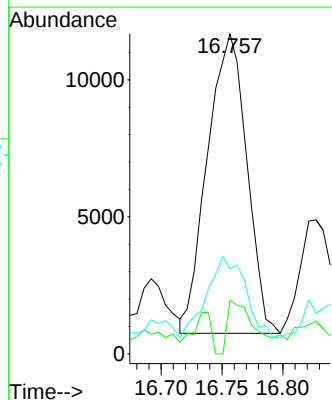
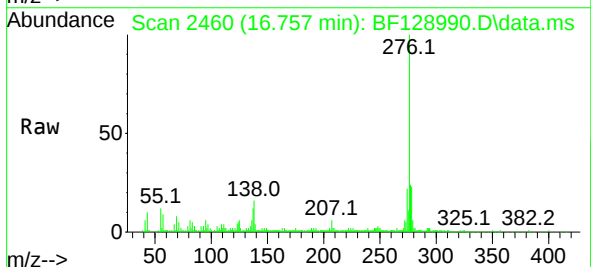
XRDS-SCREENED-CLEAN-FILL-SP-A-COMP

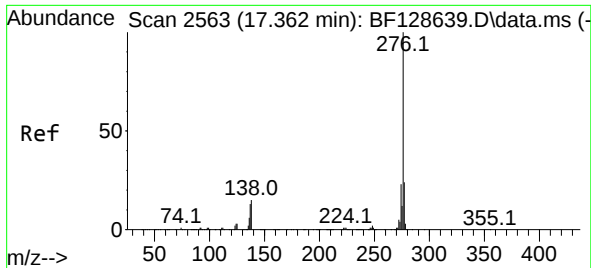
Tgt Ion:252 Resp: 113727
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 11.4 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 3.435 ng
RT: 16.757 min Scan# 2460
Delta R.T. 0.006 min
Lab File: BF128990.D
Acq: 24 Jun 2022 15:31

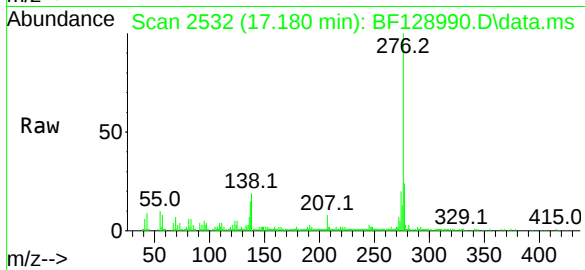
Tgt Ion:278 Resp: 24526
Ion Ratio Lower Upper
278 100
139 16.7 12.8 19.2
279 26.6 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 11.640 ng
 RT: 17.180 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF128990.D
 Acq: 24 Jun 2022 15:31

Instrument :
 BNA_F
 ClientSampleId :
 XRDS-SCREENED-CLEAN-FILL-SP-A-COMP



Tgt Ion:276 Resp: 82364
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.1 28.7
 138 19.2 18.0 27.0

