

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127110.D
 Acq On : 28 Feb 2022 20:06
 Operator : CG\JU
 Sample : N1681-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-1-8FT

Quant Time: Mar 01 01:40:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

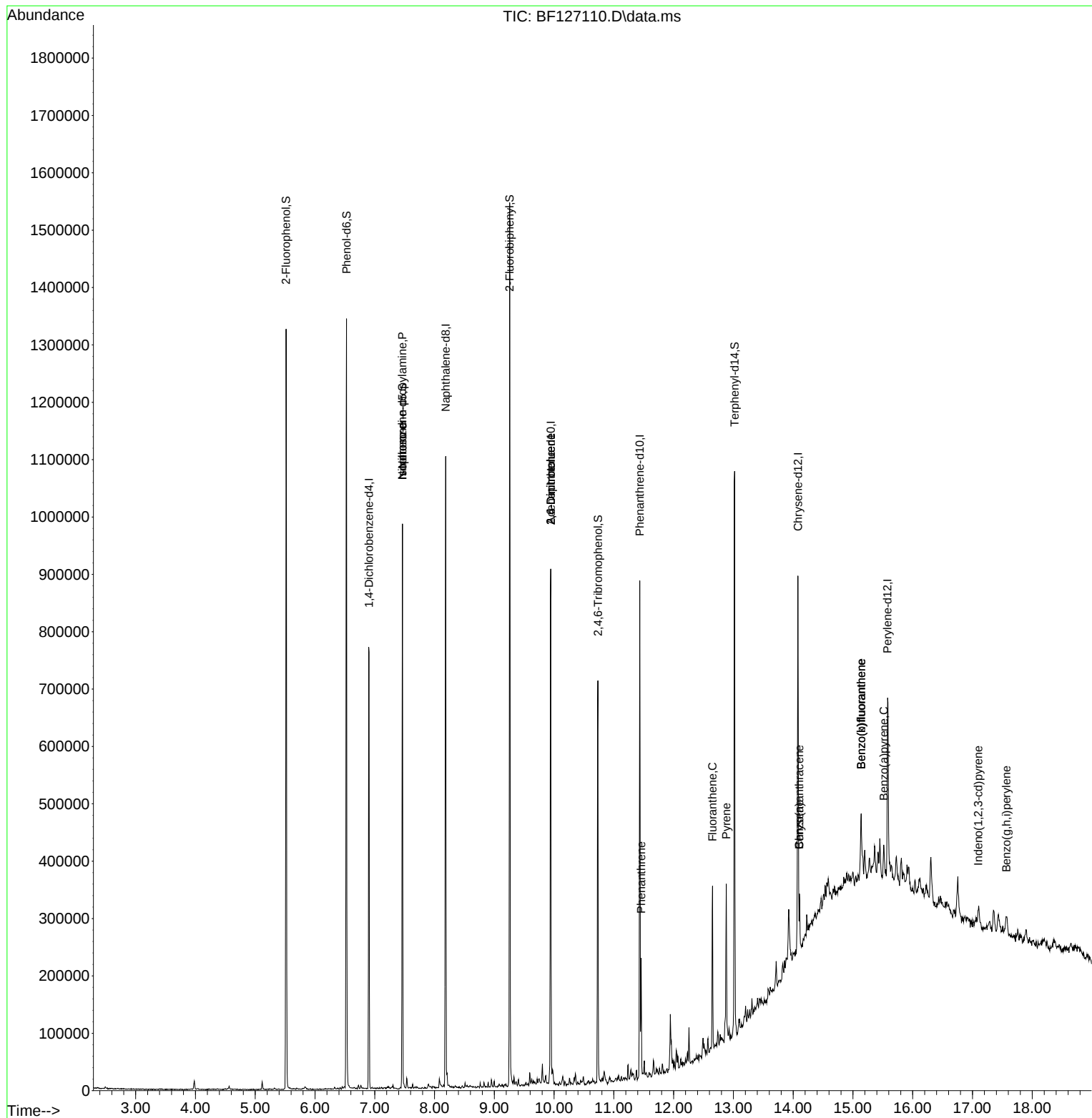
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	109609	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	418550	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	179035	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	265364	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	186124	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	126542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	304664	42.960	ng	-0.01
7) Phenol-d6	6.528	99	393537	41.125	ng	-0.01
23) Nitrobenzene-d5	7.463	82	267898	28.891	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	75093	36.429	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	401557	33.019	ng	-0.01
79) Terphenyl-d14	13.021	244	336978	26.615	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	36933	5.990	ng	# 77
25) Isophorone	7.463	82	266409	17.362	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	23693	9.100	ng	# 22
57) 2,4-Dinitrotoluene	9.945	165	23693	6.730	ng	# 16
71) Phenanthrene	11.457	178	61384	4.133	ng	99
75) Fluoranthene	12.651	202	101592	7.204	ng	95
78) Pyrene	12.880	202	91123	5.635	ng	98
81) Benzo(a)anthracene	14.104	228	41708	3.324	ng	91
83) Chrysene	14.104	228	41708	3.535	ng	95
87) Indeno(1,2,3-cd)pyrene	17.098	276	20393	2.458	ng	# 86
88) Benzo(b)fluoranthene	15.139	252	59176	6.963	ng	95
89) Benzo(k)fluoranthene	15.139	252	59176	7.219	ng	94
90) Benzo(a)pyrene	15.515	252	24605	3.706	ng	# 88
92) Benzo(g,h,i)perylene	17.568	276	24171	3.573	ng	# 82

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

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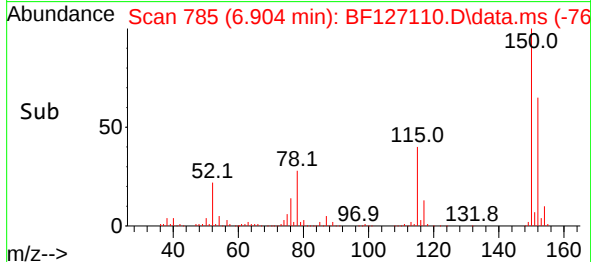
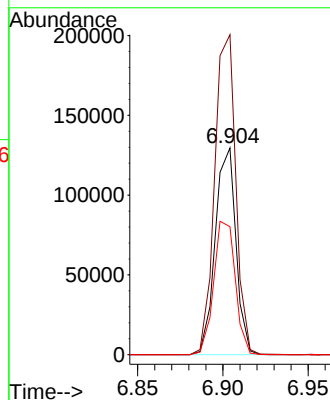
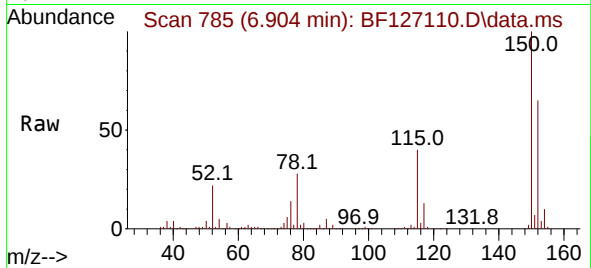




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

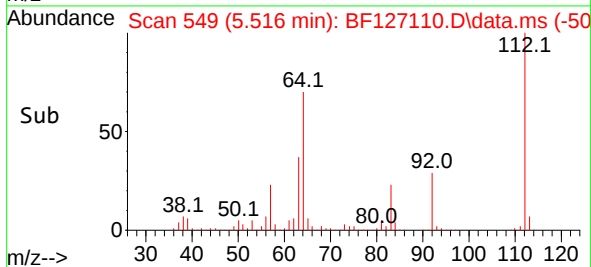
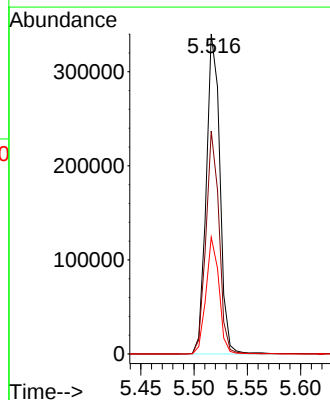
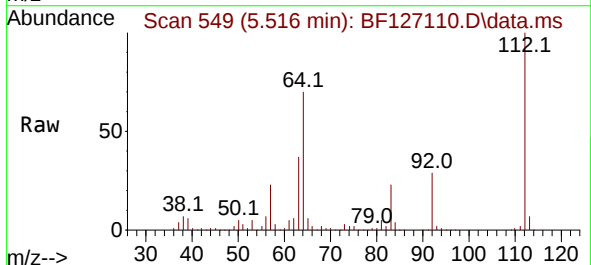
Instrument :
BNA_F
ClientSampleId :
TP-1-1-8FT

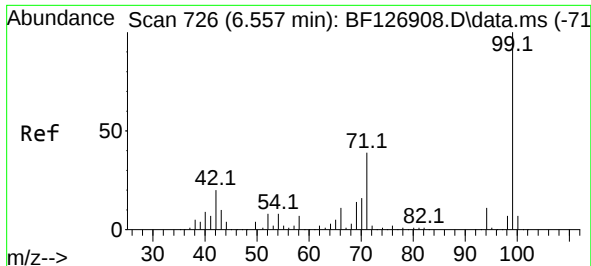
Tgt Ion:152 Resp: 109609
Ion Ratio Lower Upper
152 100
150 154.8 128.1 192.1
115 61.9 56.7 85.1



#5
2-Fluorophenol
Concen: 42.960 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:112 Resp: 304664
Ion Ratio Lower Upper
112 100
64 69.6 49.5 74.3
63 36.5 23.9 35.9#

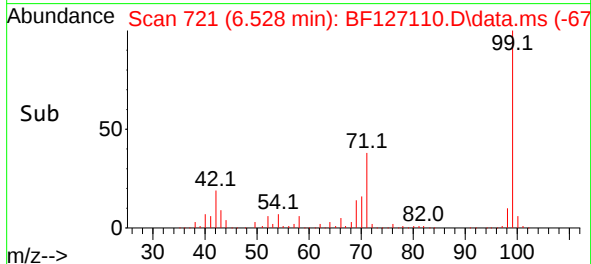
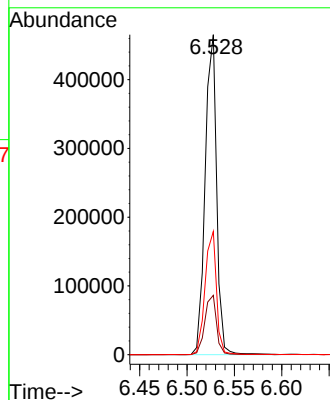
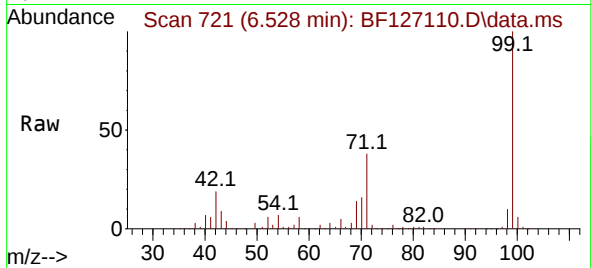




#7
Phenol-d6
Concen: 41.125 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

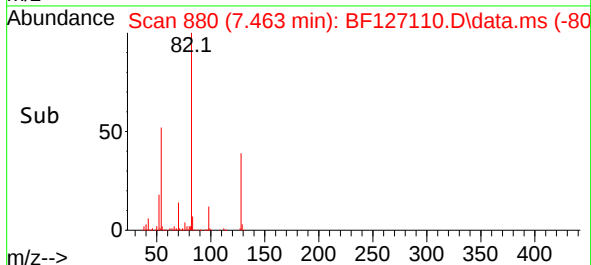
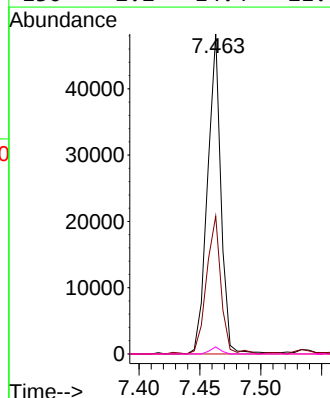
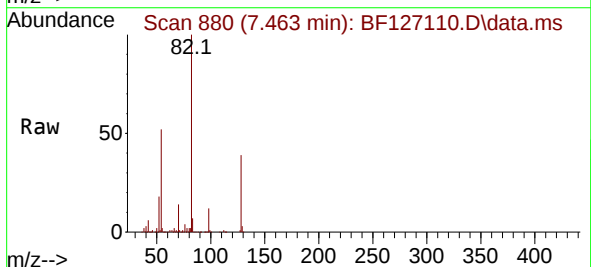
Instrument :
BNA_F
ClientSampleId :
TP-1-1-8FT

Tgt Ion: 99 Resp: 393537
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 38.5 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 5.990 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion: 70 Resp: 36933
Ion Ratio Lower Upper
70 100
42 43.1 45.8 68.8#
101 0.0 6.9 10.3#
130 2.2 14.4 21.6#

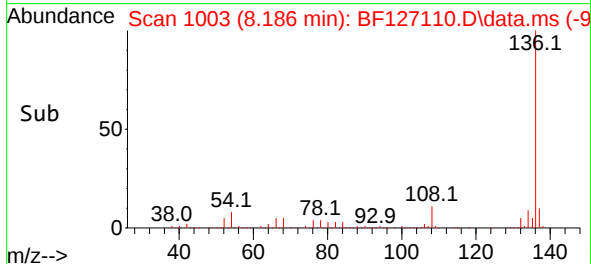
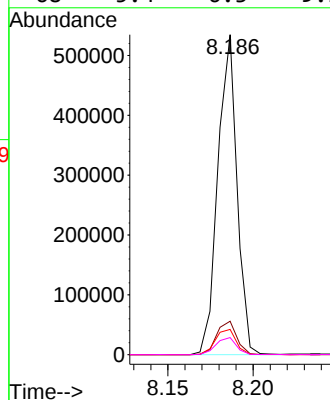
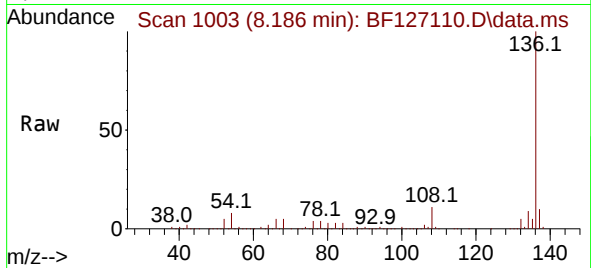




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

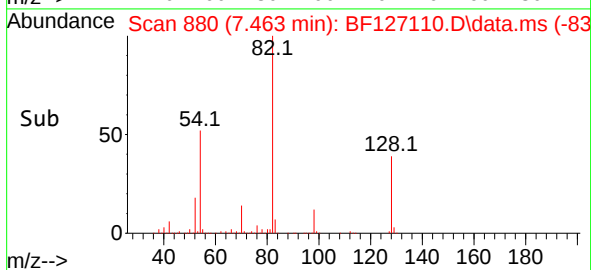
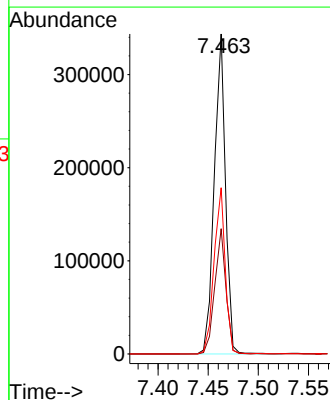
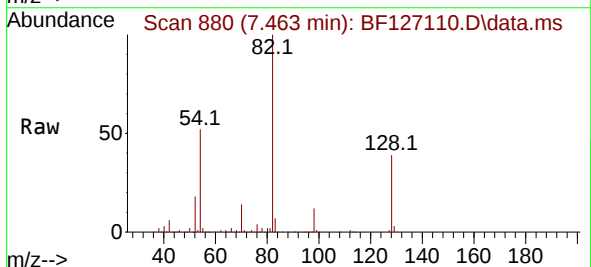
Instrument :
BNA_F
ClientSampleId :
TP-1-1-8FT

Tgt Ion:136 Resp: 418550
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.9 7.8 11.6
68 5.4 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 28.891 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion: 82 Resp: 267898
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 51.9 41.7 62.5

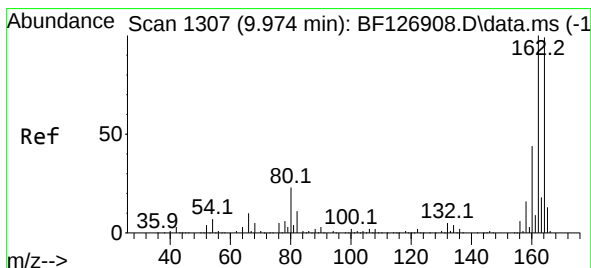
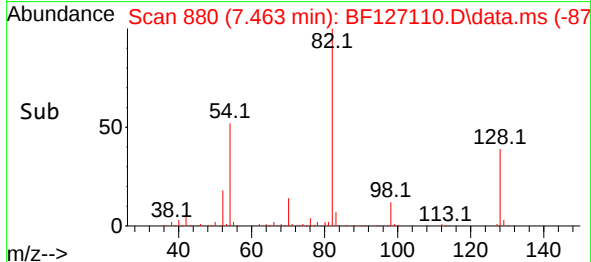
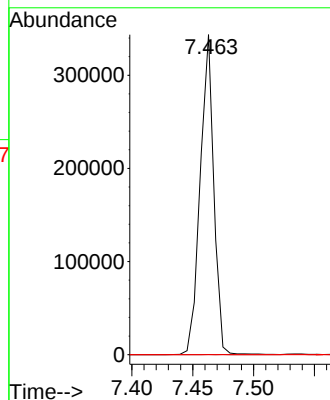
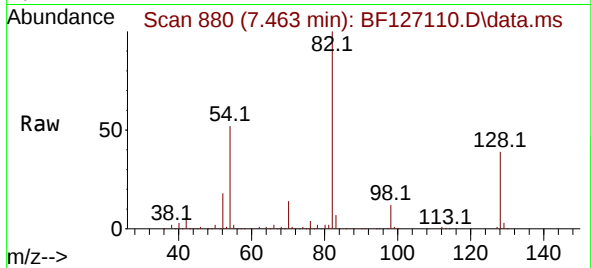




#25
Isophorone
Concen: 17.362 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

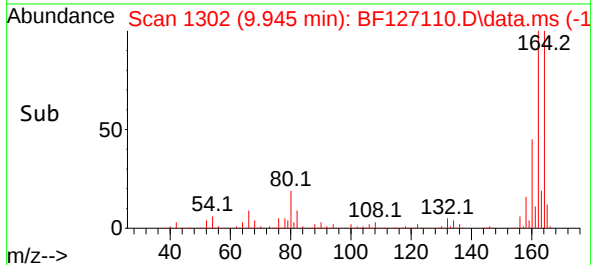
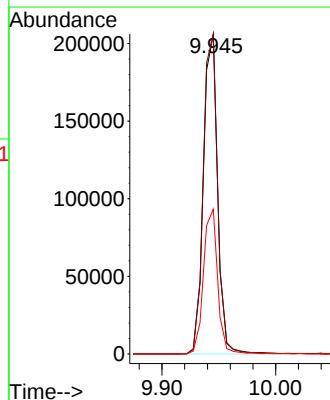
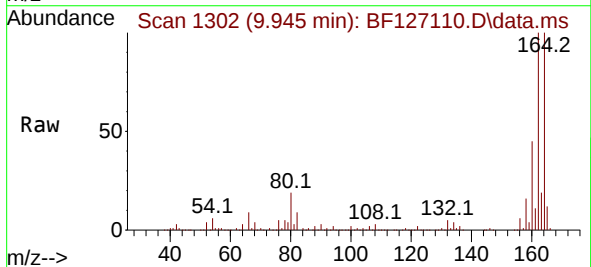
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ClientSampleId :
TP-1-1-8FT

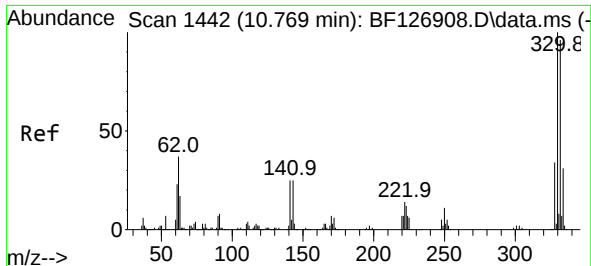
Tgt Ion: 82 Resp: 266409
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:164 Resp: 179035
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 45.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 36.429 ng

RT: 10.733 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Instrument :

BNA_F

ClientSampleId :

TP-1-1-8FT

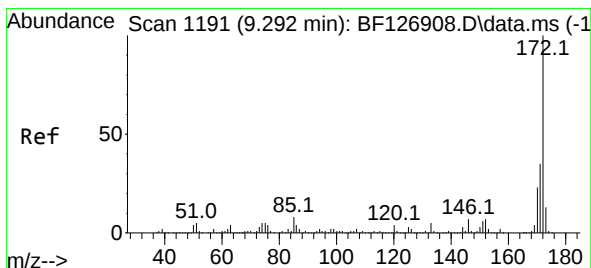
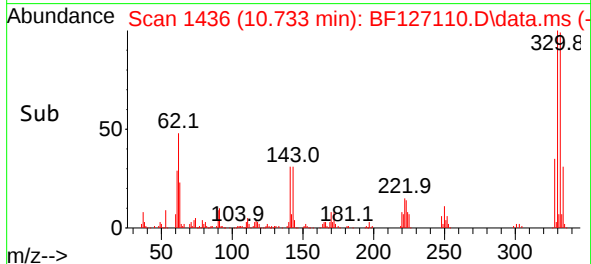
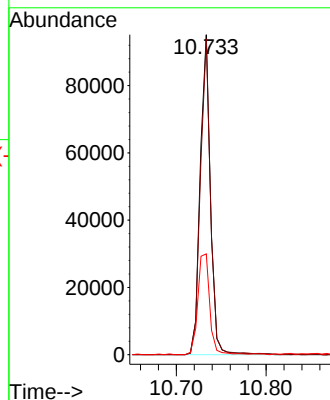
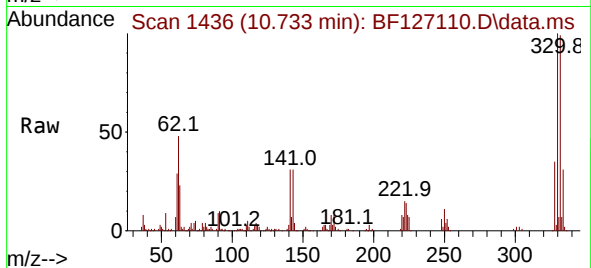
Tgt Ion:330 Resp: 75093

Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 36.8 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 33.019 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

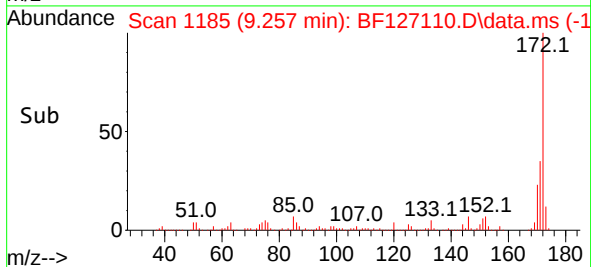
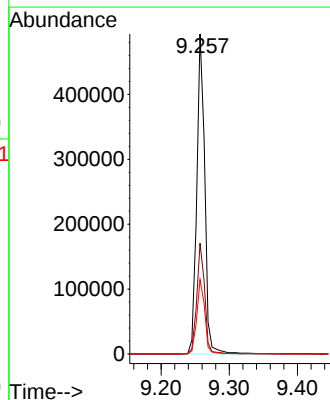
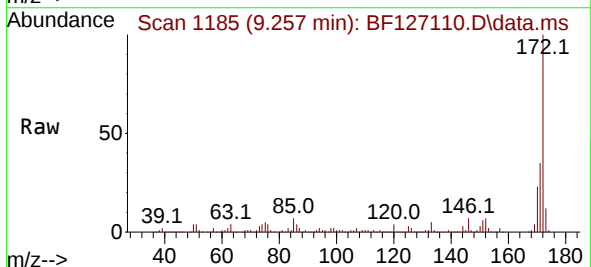
Tgt Ion:172 Resp: 401557

Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.2 19.0 28.6

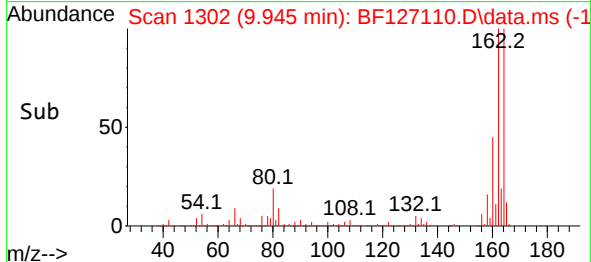
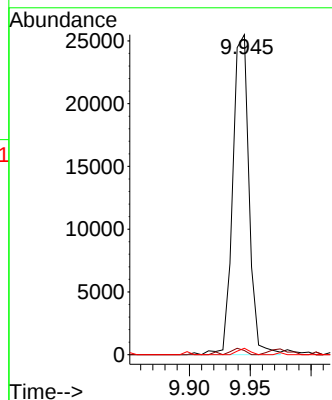
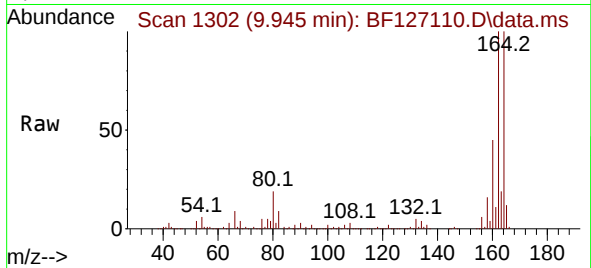




#51
2,6-Dinitrotoluene
Concen: 9.100 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

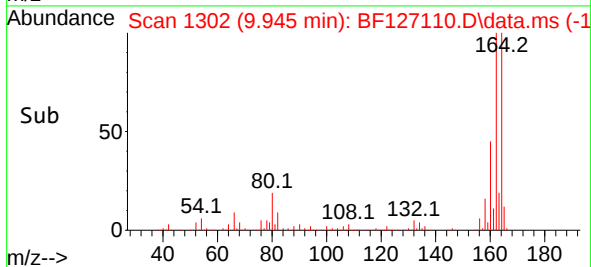
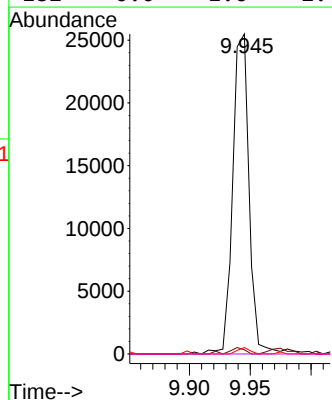
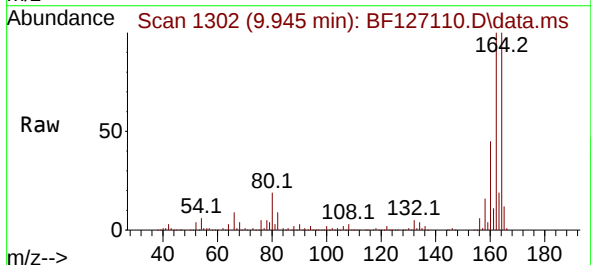
Instrument :
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TP-1-1-8FT

Tgt Ion:165 Resp: 23693
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 2.0 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.730 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.194 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:165 Resp: 23693
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 2.0 71.0 106.4#
182 0.0 1.6 2.4#

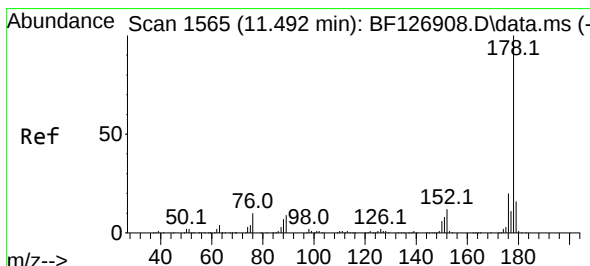
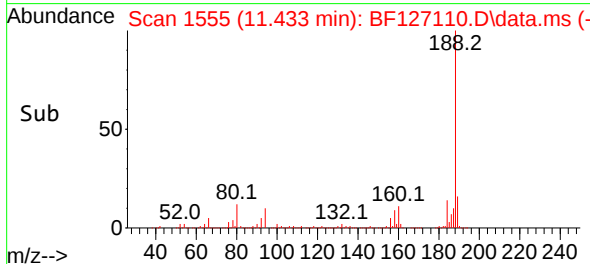
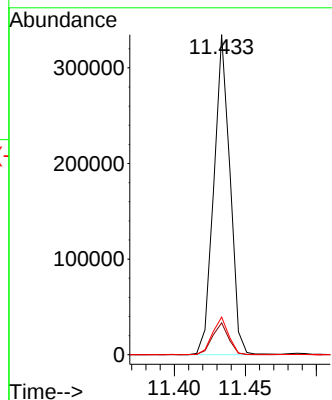
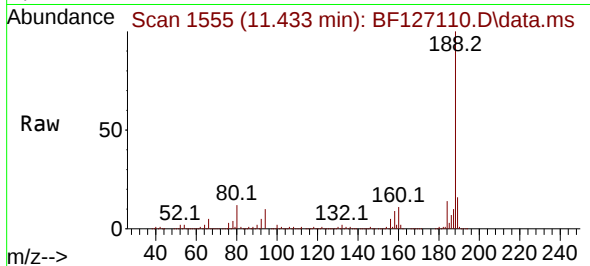




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

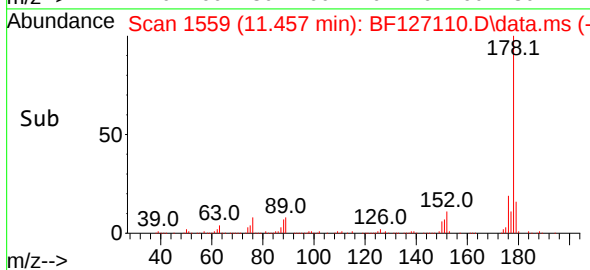
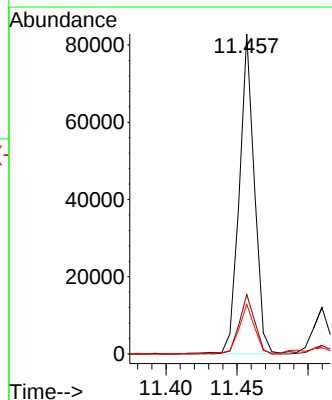
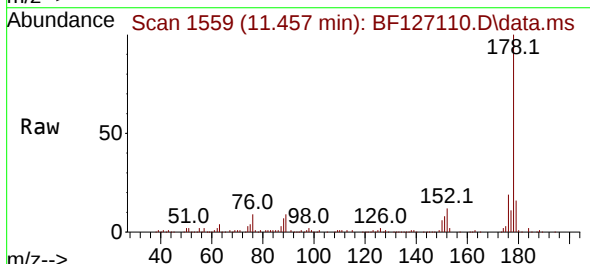
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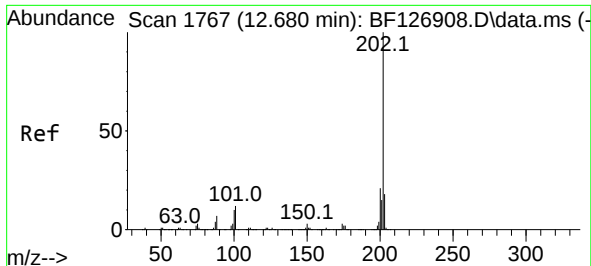
Tgt Ion:188 Resp: 265364
Ion Ratio Lower Upper
188 100
94 10.0 10.1 15.1#
80 11.8 11.8 17.6



#71
Phenanthrene
Concen: 4.133 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:178 Resp: 61384
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 12.3 18.5

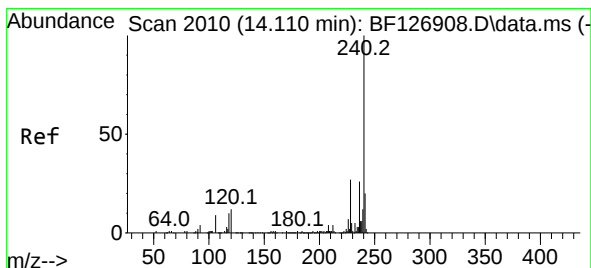
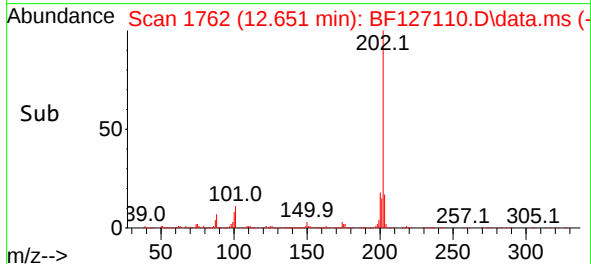
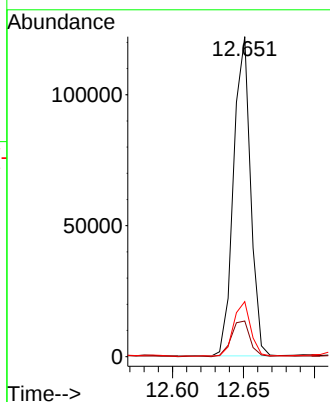
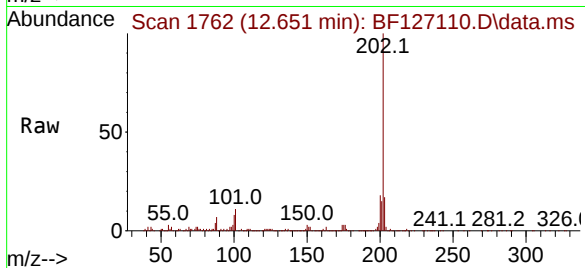




#75
Fluoranthene
Concen: 7.204 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

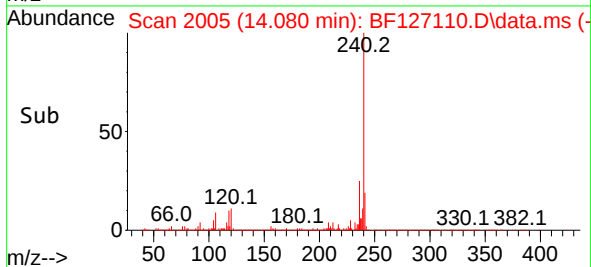
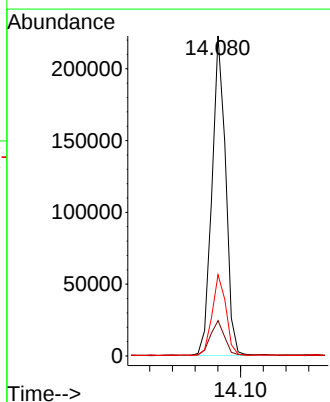
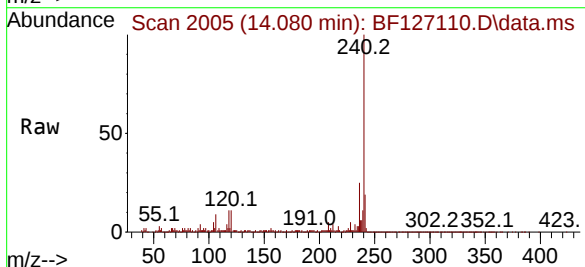
Instrument :
BNA_F
ClientSampleId :
TP-1-1-8FT

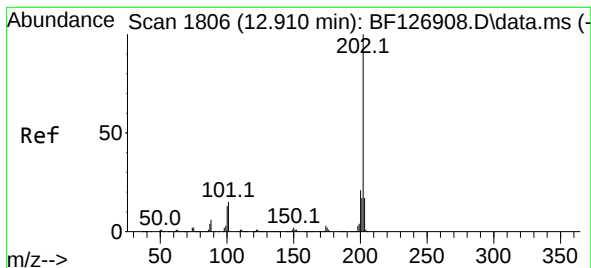
Tgt Ion:202 Resp: 101592
Ion Ratio Lower Upper
202 100
101 11.1 0.0 35.7
203 17.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:240 Resp: 186124
Ion Ratio Lower Upper
240 100
120 11.1 14.4 21.6#
236 25.4 20.5 30.7





#78

Pyrene

Concen: 5.635 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Instrument :

BNA_F

ClientSampleId :

TP-1-1-8FT

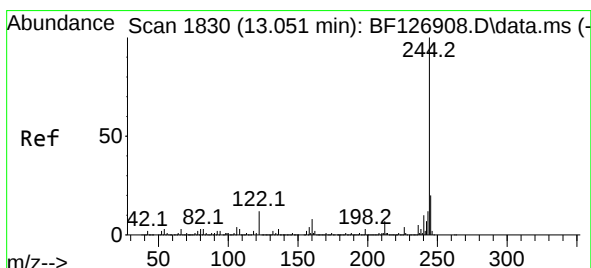
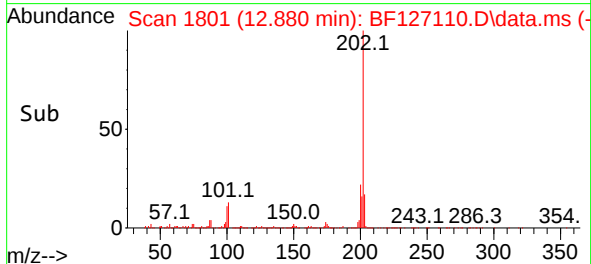
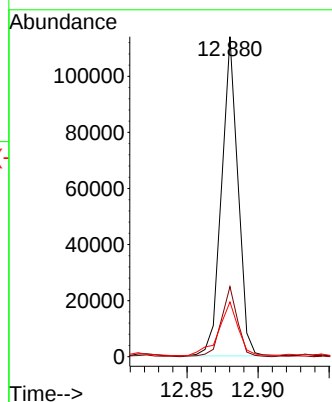
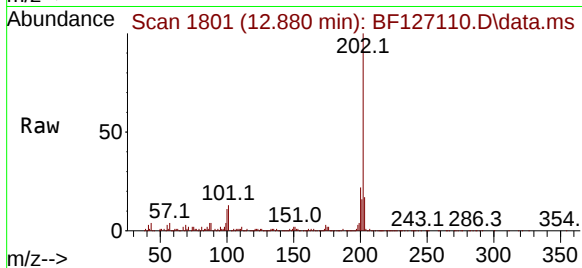
Tgt Ion:202 Resp: 91123

Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

203 17.1 13.8 20.8



#79

Terphenyl-d14

Concen: 26.615 ng

RT: 13.021 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

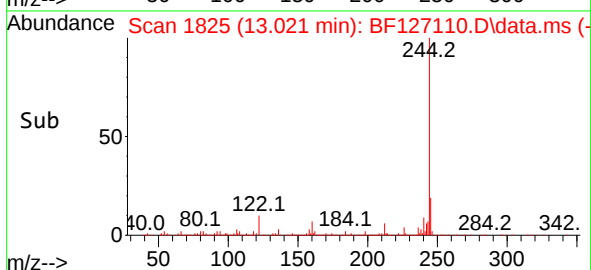
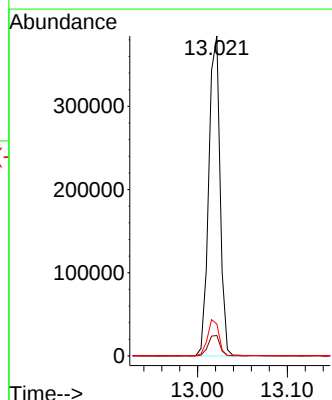
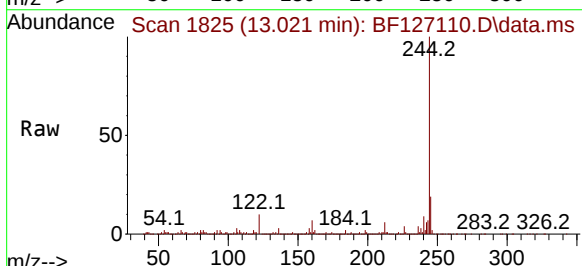
Tgt Ion:244 Resp: 336978

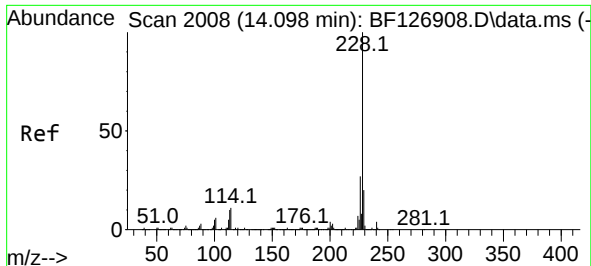
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 10.0 13.3 19.9#

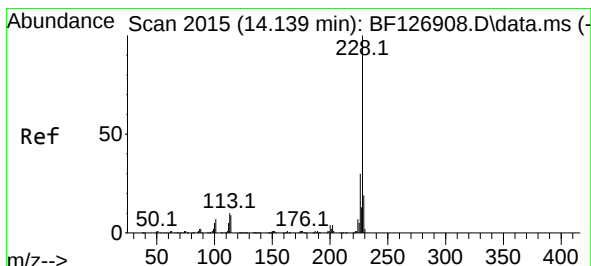
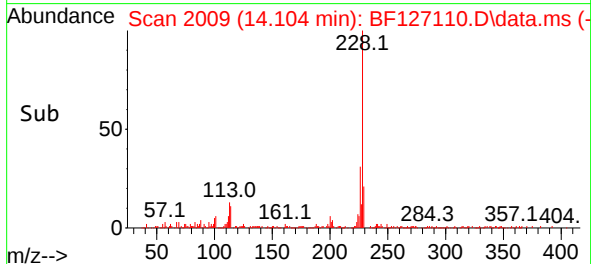
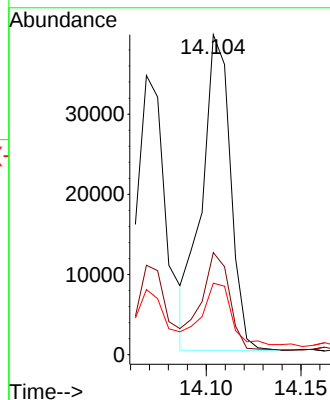
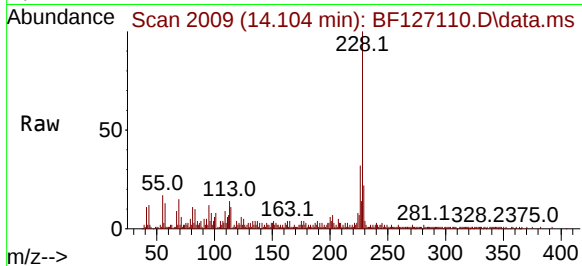




#81
Benzo(a)anthracene
Concen: 3.324 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.024 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

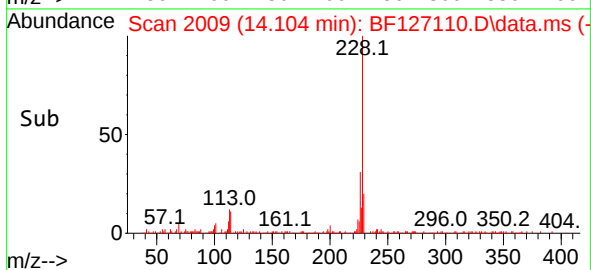
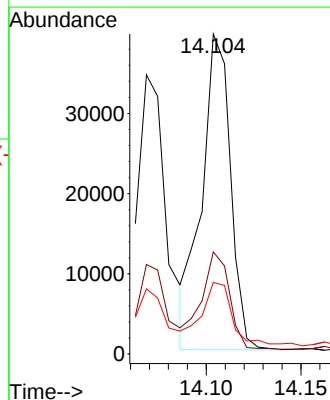
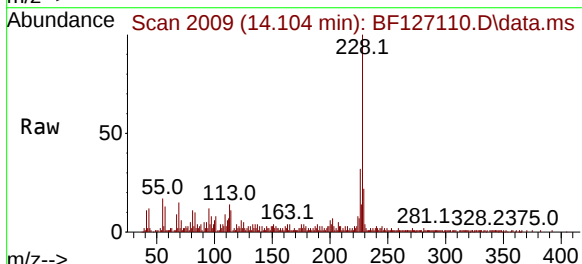
Instrument :
BNA_F
ClientSampleId :
TP-1-1-8FT

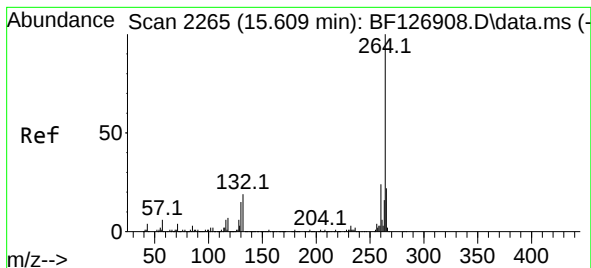
Tgt Ion:228 Resp: 41708
Ion Ratio Lower Upper
228 100
226 31.9 21.4 32.0
229 22.3 15.4 23.2



#83
Chrysene
Concen: 3.535 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127110.D
Acq: 28 Feb 2022 20:06

Tgt Ion:228 Resp: 41708
Ion Ratio Lower Upper
228 100
226 31.9 23.7 35.5
229 22.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Instrument :

BNA_F

ClientSampleId :

TP-1-1-8FT

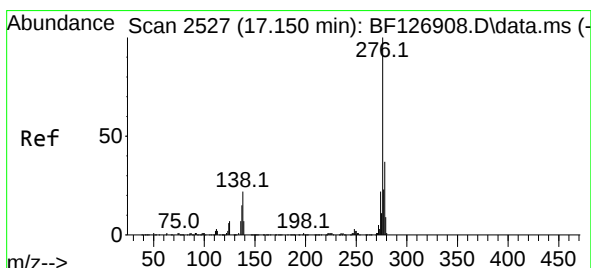
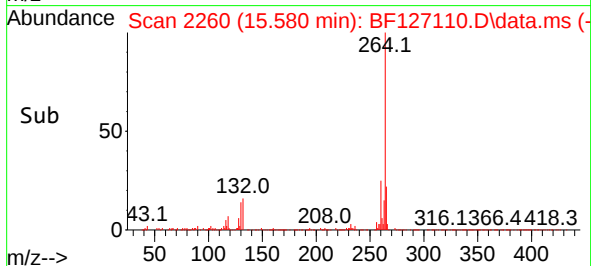
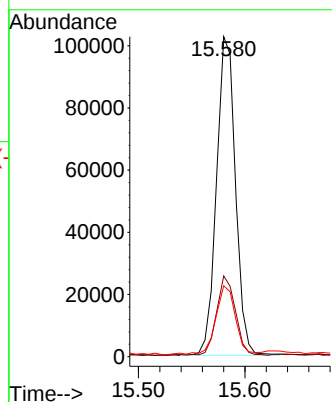
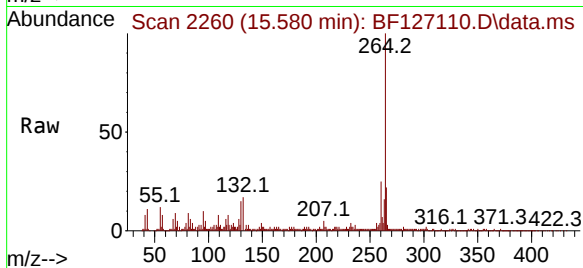
Tgt Ion:264 Resp: 126542

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 22.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.458 ng

RT: 17.098 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

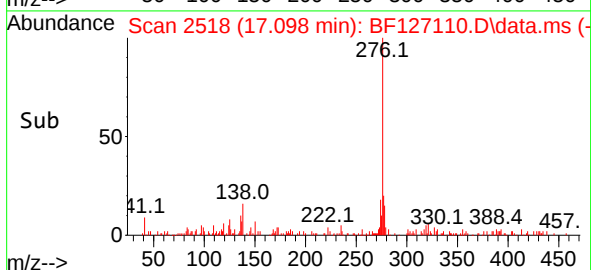
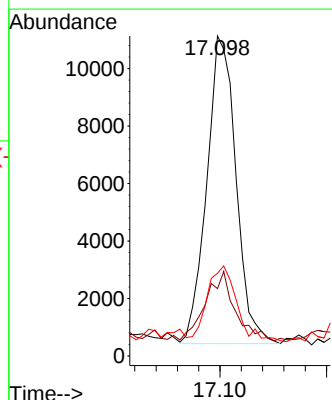
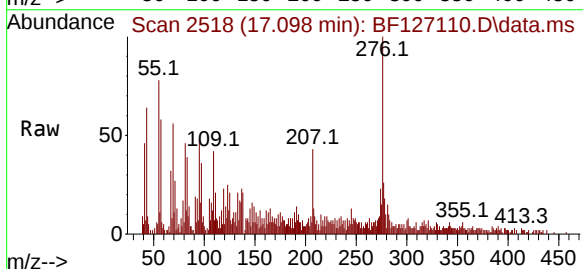
Tgt Ion:276 Resp: 20393

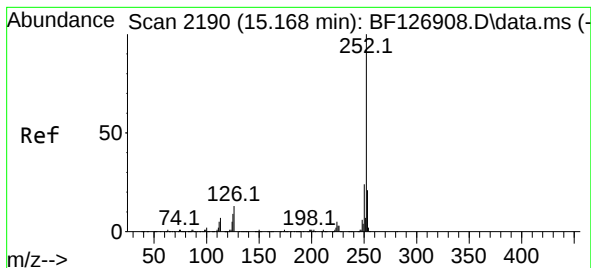
Ion Ratio Lower Upper

276 100

138 23.2 29.2 43.8#

277 25.1 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 6.963 ng

RT: 15.139 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Instrument :

BNA_F

ClientSampleId :

TP-1-1-8FT

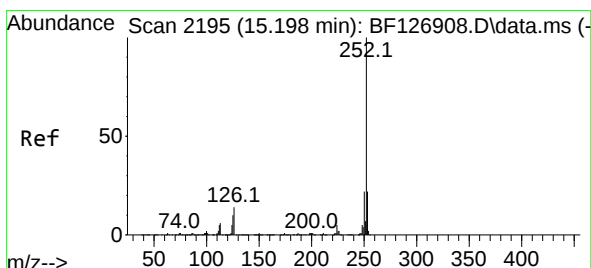
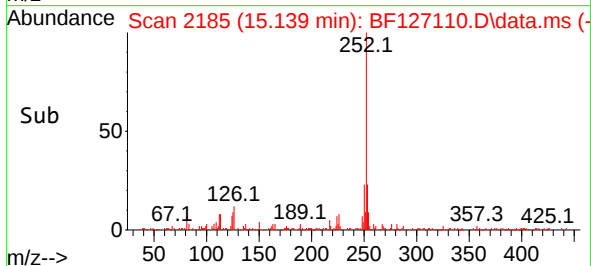
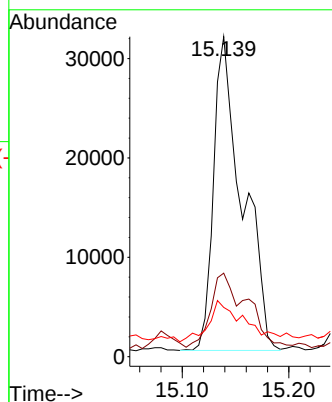
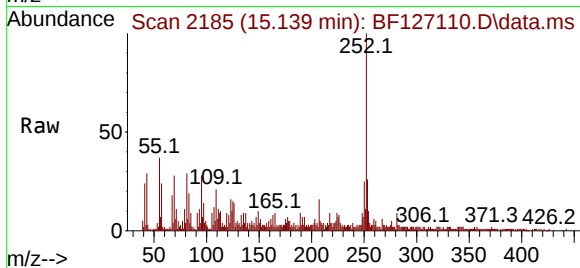
Tgt Ion:252 Resp: 59176

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.8

125 15.4 12.4 18.6



#89

Benzo(k)fluoranthene

Concen: 7.219 ng

RT: 15.139 min Scan# 2185

Delta R.T. -0.035 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

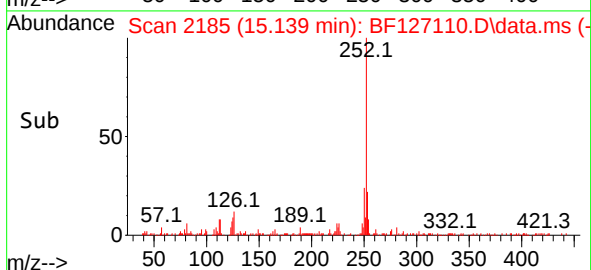
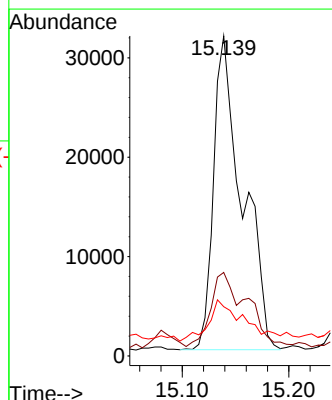
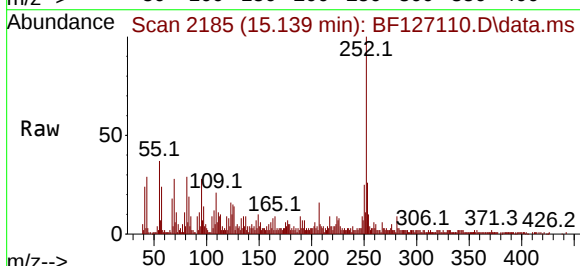
Tgt Ion:252 Resp: 59176

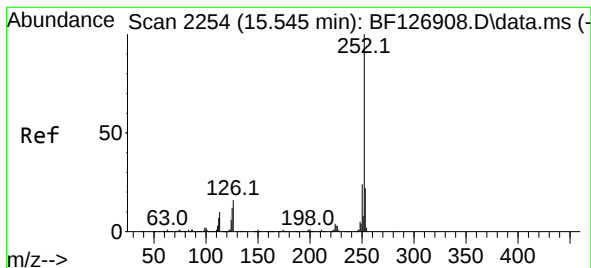
Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 15.4 11.8 17.6





#90

Benzo(a)pyrene

Concen: 3.706 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Instrument :

BNA_F

ClientSampleId :

TP-1-1-8FT

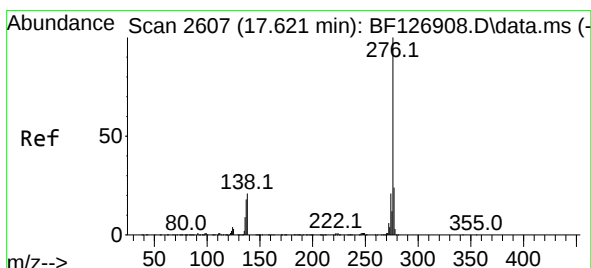
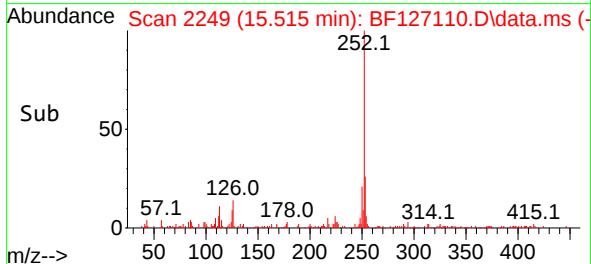
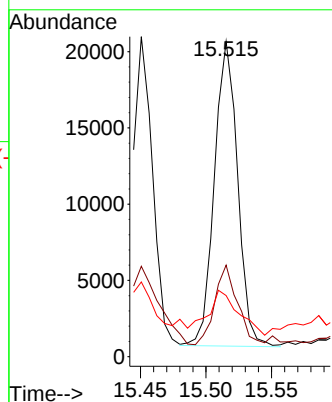
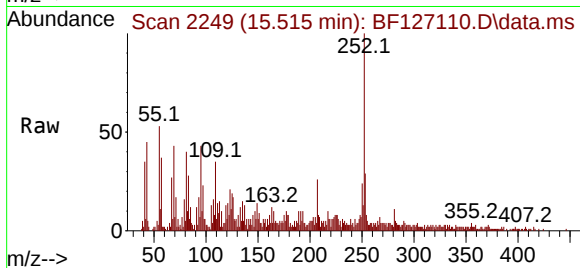
Tgt Ion:252 Resp: 24605

Ion Ratio Lower Upper

252 100

253 29.0 17.1 25.7#

125 19.4 13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 3.573 ng

RT: 17.568 min Scan# 2598

Delta R.T. -0.012 min

Lab File: BF127110.D

Acq: 28 Feb 2022 20:06

Tgt Ion:276 Resp: 24171

Ion Ratio Lower Upper

276 100

277 32.9 18.5 27.7#

138 23.6 25.9 38.9#

