

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
 Data File : BF125212.D
 Acq On : 25 Aug 2021 16:25
 Operator : JU/CG
 Sample : M3467-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2-(161.00)

Quant Time: Aug 25 17:57:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

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

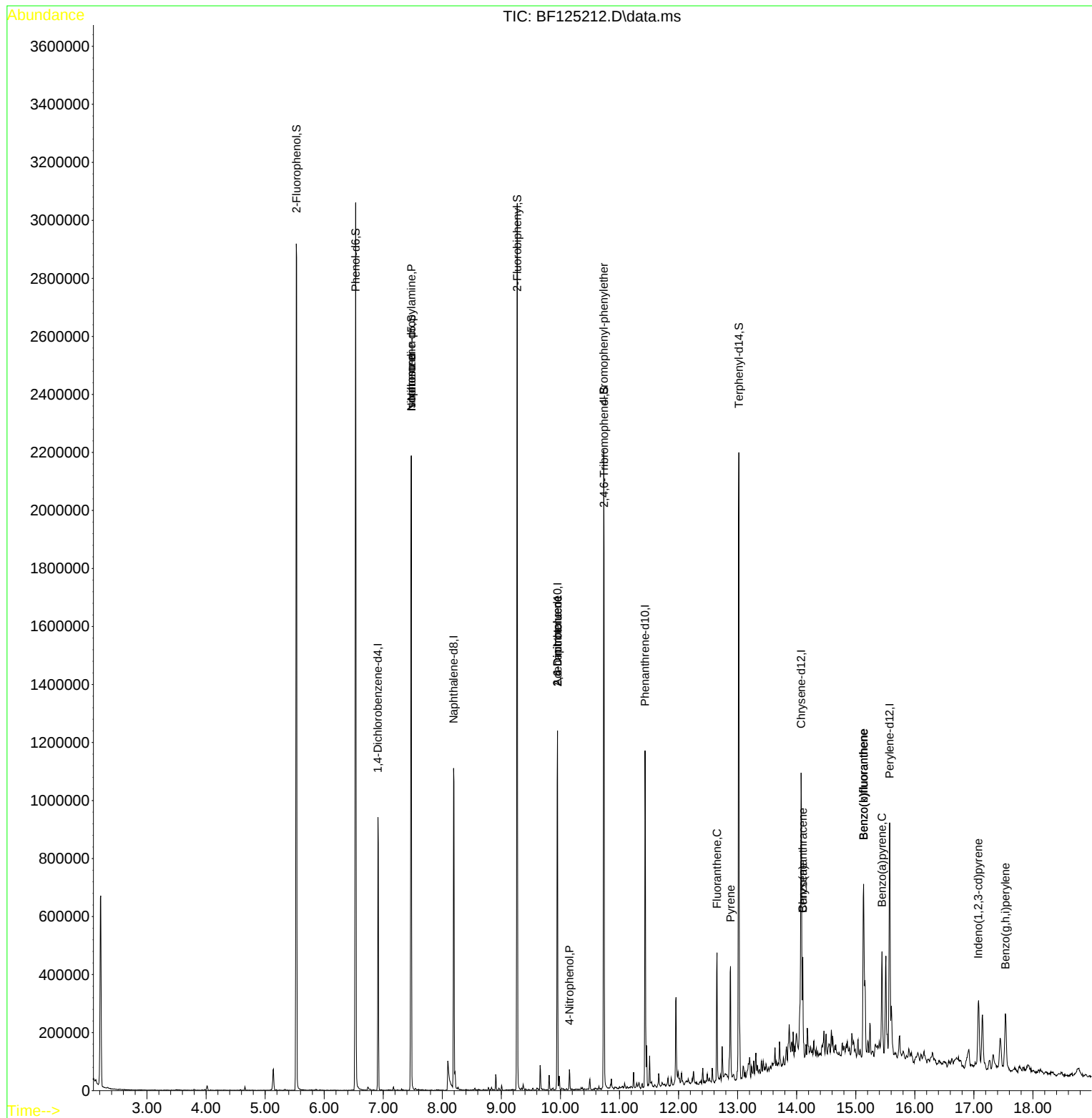
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	127731	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	485936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	247433	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	409442	20.000	ng	0.00
76) Chrysene-d12	14.074	240	301658	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	347886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	762452	90.350	ng	0.00
7) Phenol-d6	6.534	99	948552	86.910	ng	0.00
23) Nitrobenzene-d5	7.475	82	634731	65.760	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	263389	106.638	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	860303	48.459	ng	0.00
79) Terphenyl-d14	13.021	244	732465	38.682	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	87767	13.370	ng	# 57
25) Isophorone	7.475	82	634725	34.087	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	32381	8.709	ng	# 27
56) 4-Nitrophenol	10.151	139	9366	2.950	ng	# 11
57) 2,4-Dinitrotoluene	9.951	165	32381	7.196	ng	# 19
67) 4-Bromophenyl-phenylether	10.733	248	17048	3.467	ng	# 1
75) Fluoranthene	12.651	202	165254	7.382	ng	98
78) Pyrene	12.880	202	171114	6.613	ng	99
81) Benzo(a)anthracene	14.104	228	161994	7.453	ng	97
83) Chrysene	14.104	228	161994	7.537	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	168559	6.726	ng	# 88
88) Benzo(b)fluoranthene	15.133	252	440485	17.331	ng	# 95
89) Benzo(k)fluoranthene	15.133	252	440485	18.573	ng	100
90) Benzo(a)pyrene	15.445	252	166545	7.418	ng	99
92) Benzo(g,h,i)perylene	17.533	276	157608	7.545	ng	# 86

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

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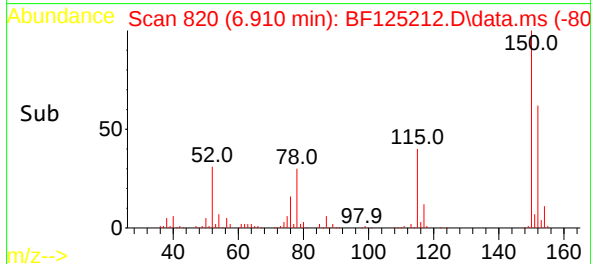
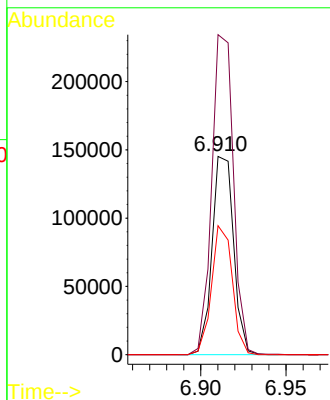
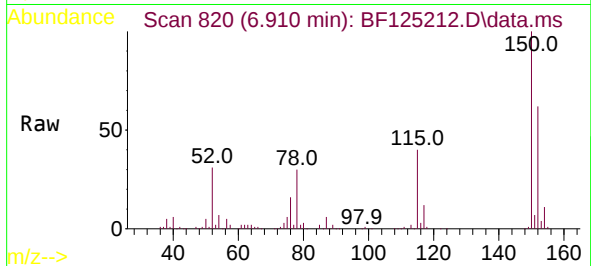




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

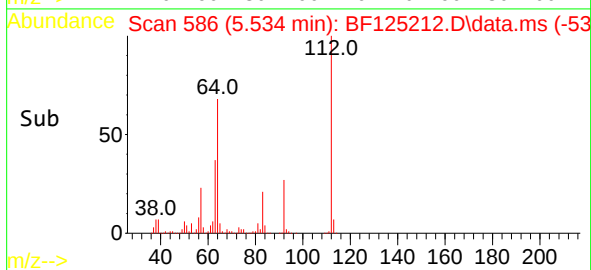
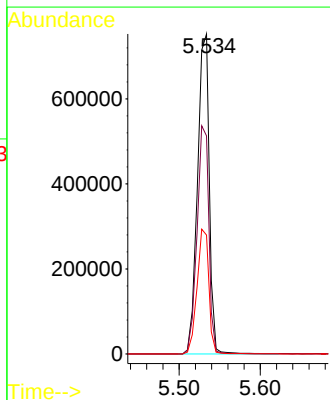
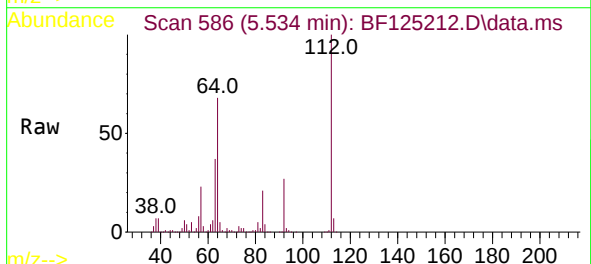
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

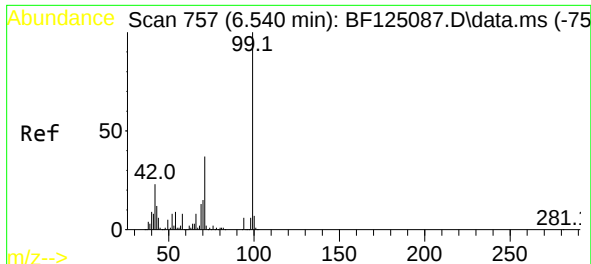
Tgt Ion:152 Resp: 127731
Ion Ratio Lower Upper
152 100
150 161.4 117.6 176.4
115 65.0 47.1 70.7



#5
2-Fluorophenol
Concen: 90.350 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:112 Resp: 762452
Ion Ratio Lower Upper
112 100
64 68.1 44.2 66.2#
63 37.1 26.2 39.2

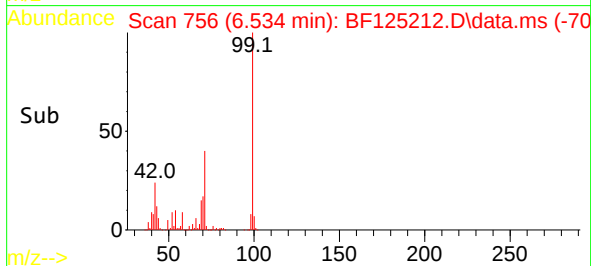
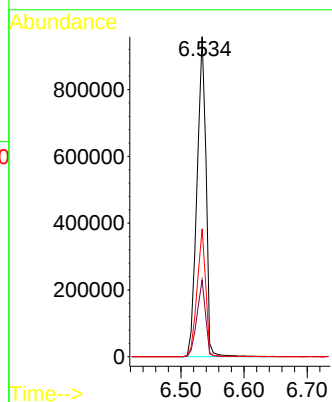
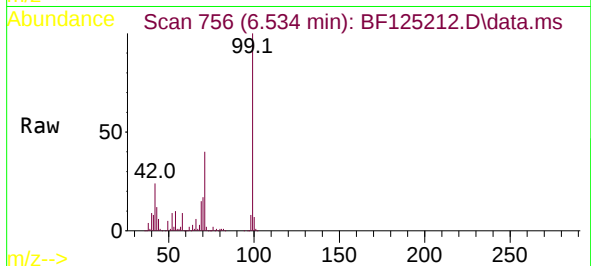




#7
Phenol-d6
Concen: 86.910 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

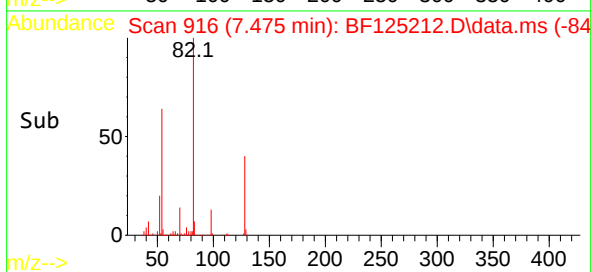
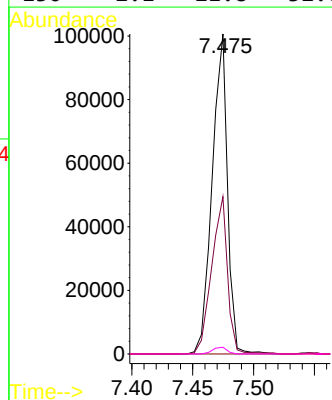
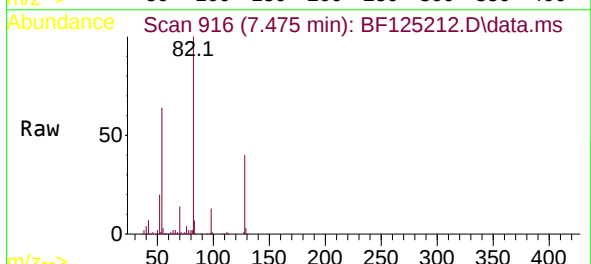
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

Tgt Ion: 99 Resp: 948552
Ion Ratio Lower Upper
99 100
42 24.0 23.5 35.3
71 39.9 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.370 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion: 70 Resp: 87767
Ion Ratio Lower Upper
70 100
42 49.2 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#

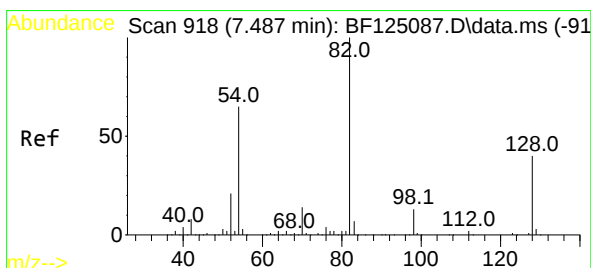
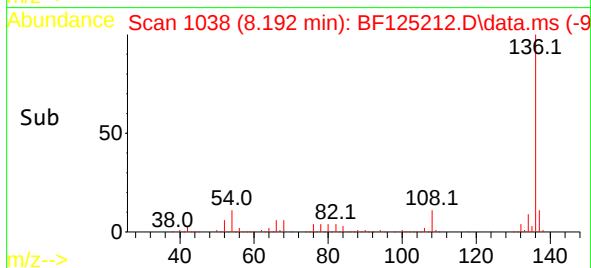
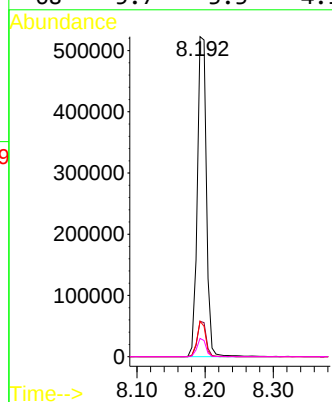
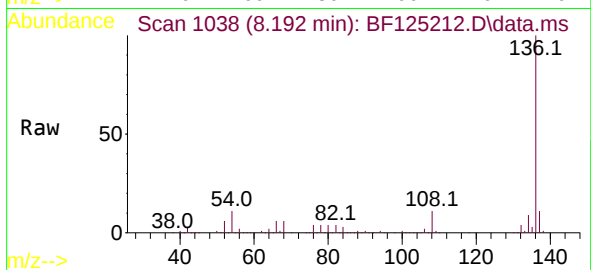




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

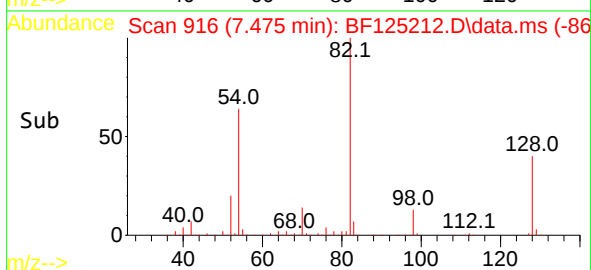
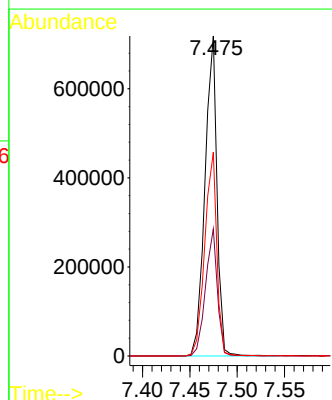
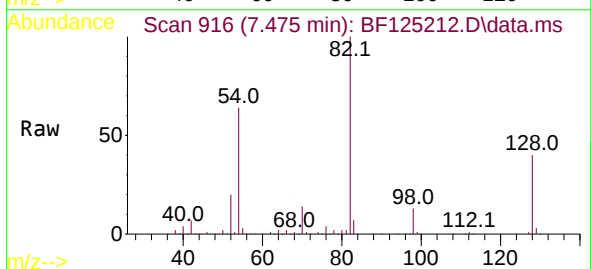
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

Tgt Ion:	136	Resp:	485936
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	11.1	6.4	9.6#
68	5.7	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 65.760 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

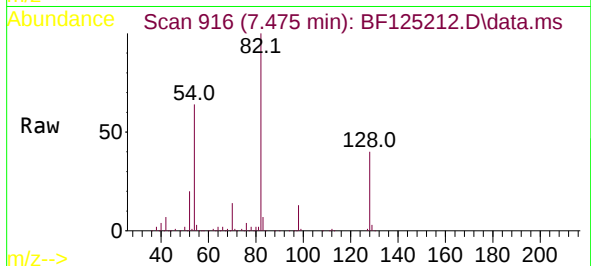
Tgt Ion:	82	Resp:	634731
Ion	Ratio	Lower	Upper
82	100		
128	39.7	40.6	60.8#
54	63.7	49.6	74.4



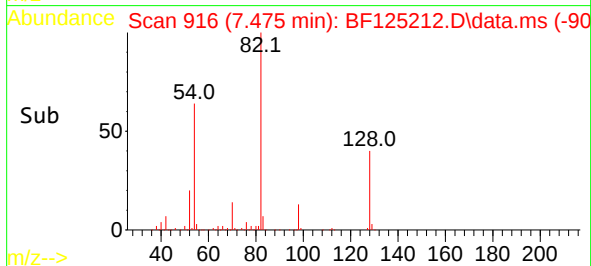
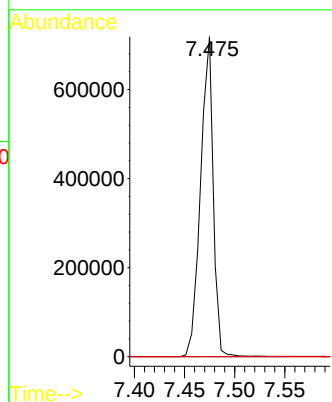


#25
Isophorone
Concen: 34.087 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

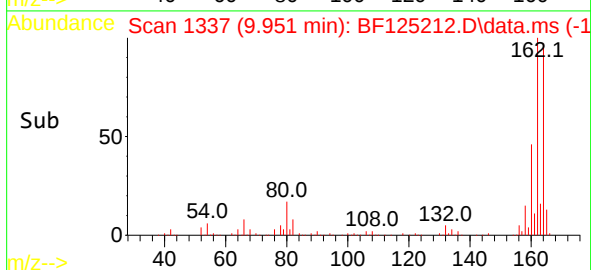
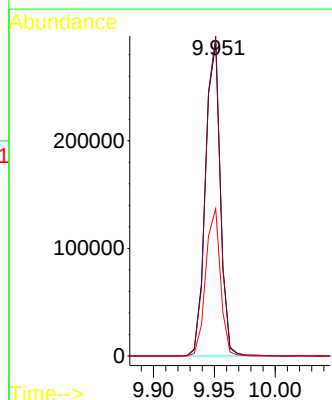
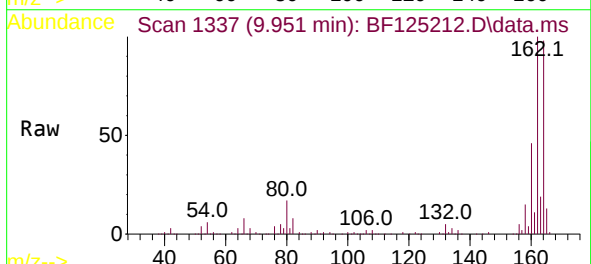


Tgt Ion: 82 Resp: 634725
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion: 164 Resp: 247433
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 47.0 38.0 57.0

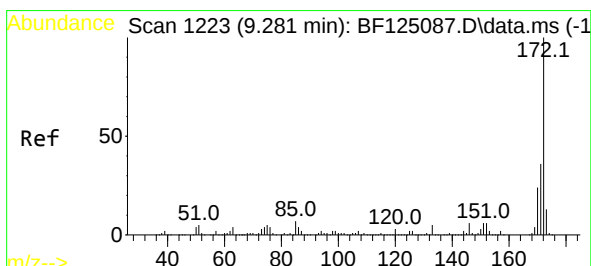
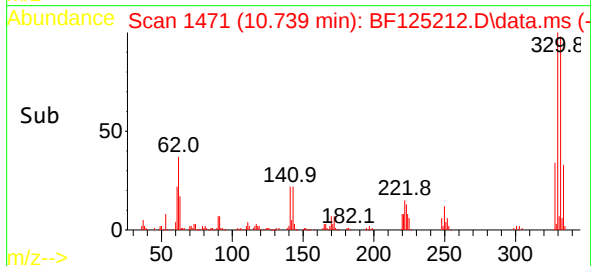
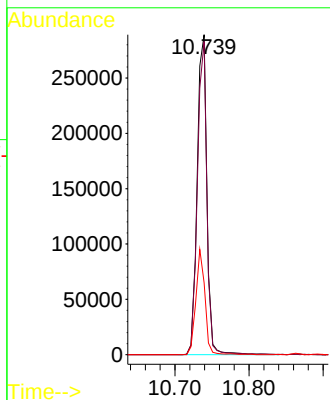
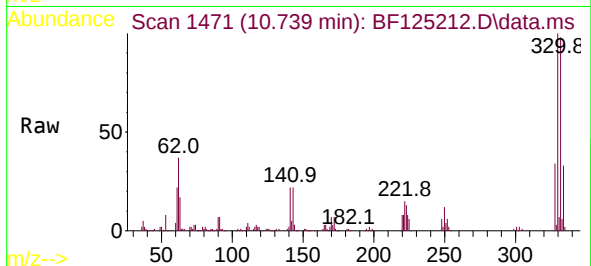




#42
2,4,6-Tribromophenol
Concen: 106.638 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

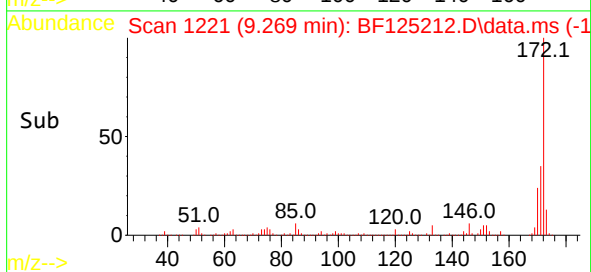
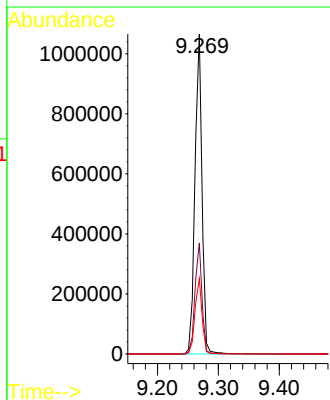
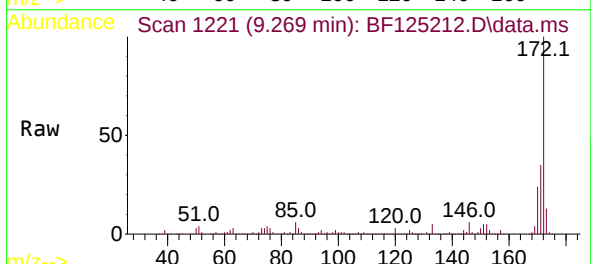
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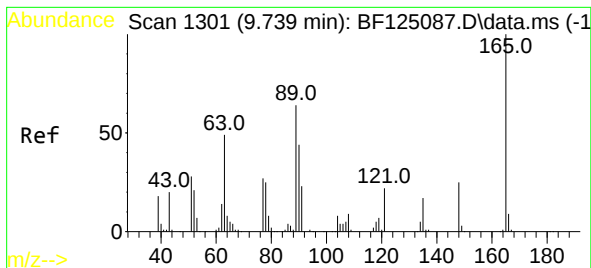
Tgt Ion:330 Resp: 263389
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 30.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 48.459 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:172 Resp: 860303
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.6 18.8 28.2

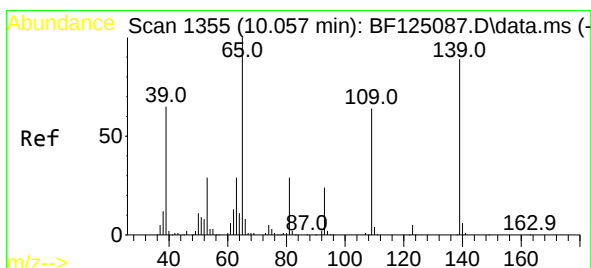
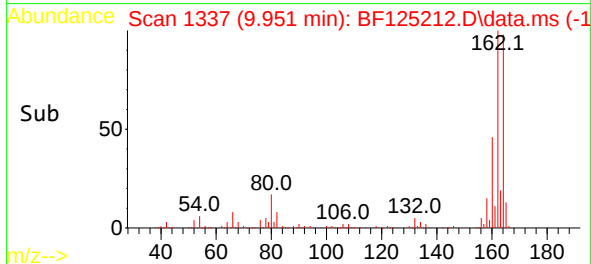
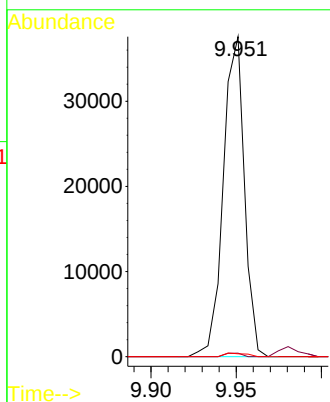
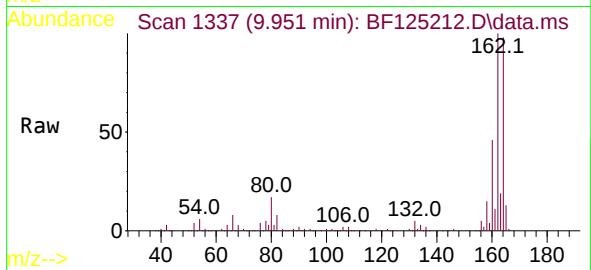




#51
2,6-Dinitrotoluene
Concen: 8.709 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

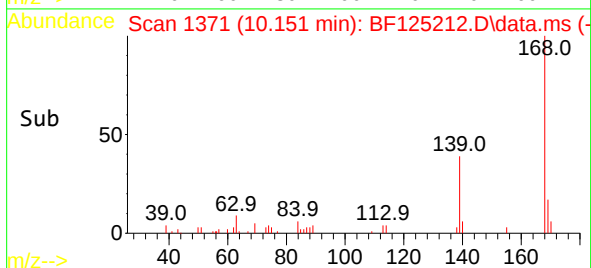
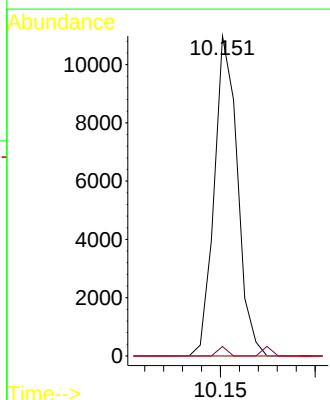
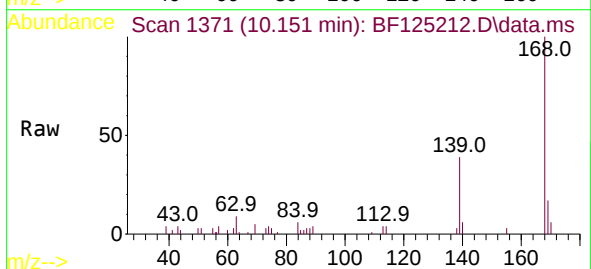
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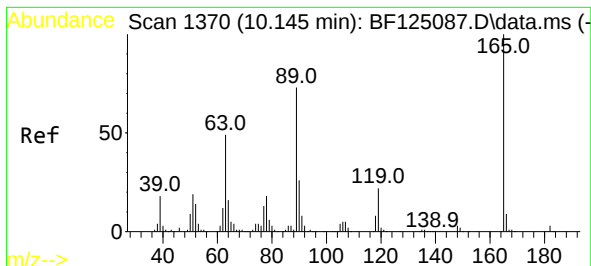
Tgt Ion:165 Resp: 32381
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 0.9 40.6 60.8#



#56
4-Nitrophenol
Concen: 2.950 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.100 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:139 Resp: 9366
Ion Ratio Lower Upper
139 100
109 3.0 60.4 100.4#
65 0.0 58.4 98.4#

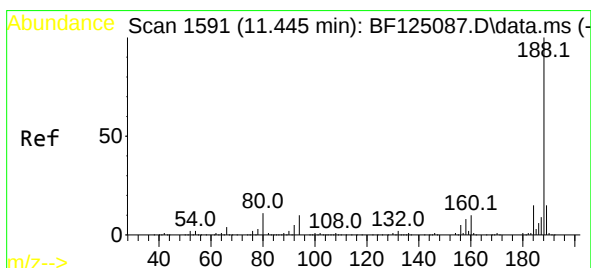
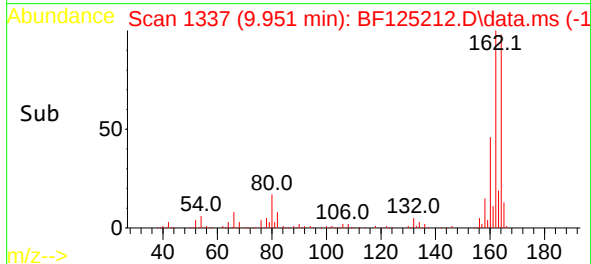
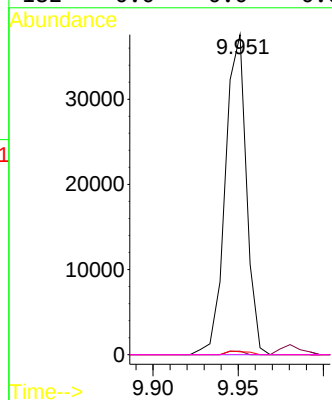
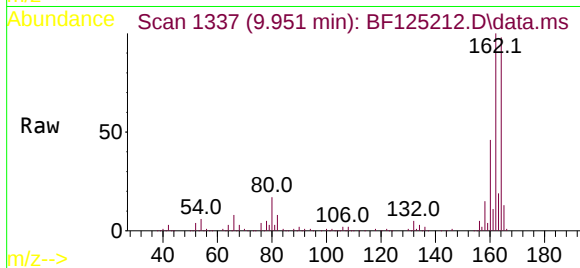




#57
2,4-Dinitrotoluene
Concen: 7.196 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

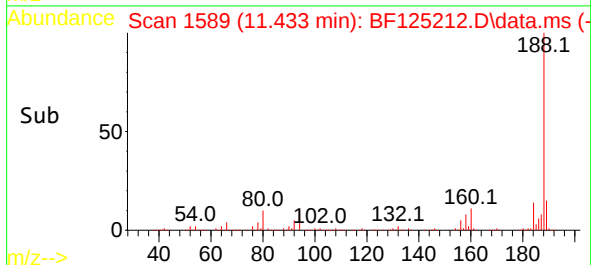
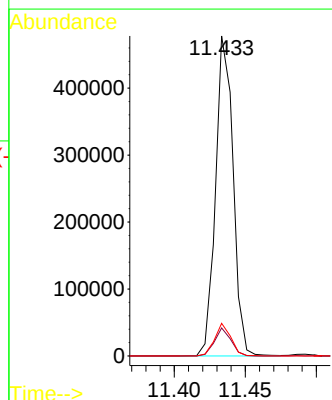
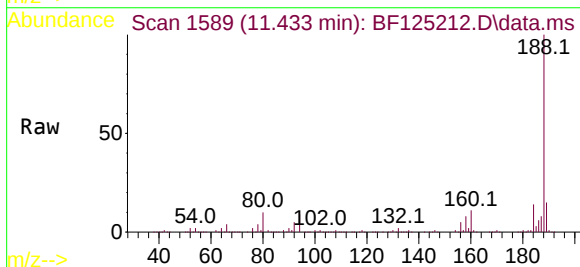
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

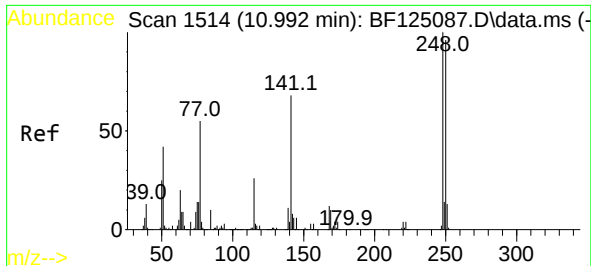
Tgt Ion:165	Resp:	32381
Ion Ratio	Lower	Upper
165	100	
63	1.1	40.9 61.3#
89	0.9	59.7 89.5#
182	0.0	0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:188	Resp:	409442
Ion Ratio	Lower	Upper
188	100	
94	8.8	6.7 10.1
80	10.2	7.5 11.3

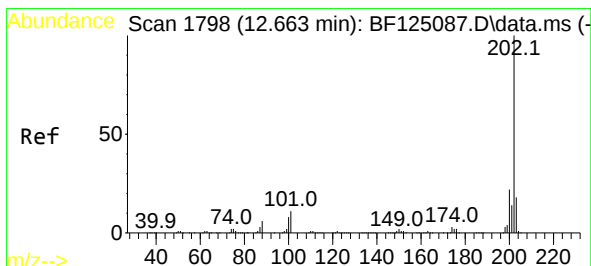
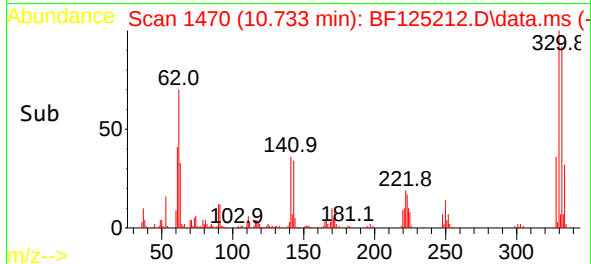
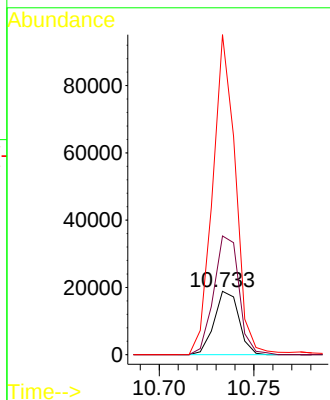
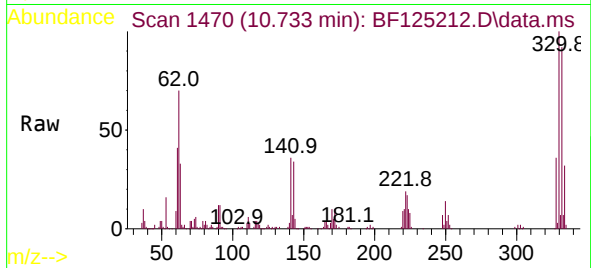




#67
4-Bromophenyl-phenylether
Concen: 3.467 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

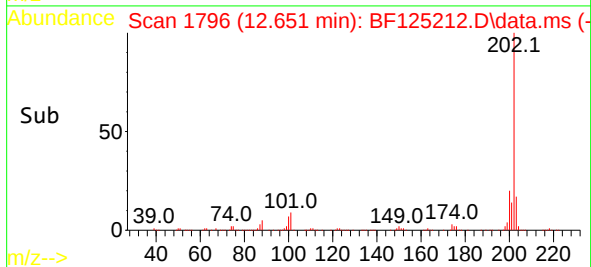
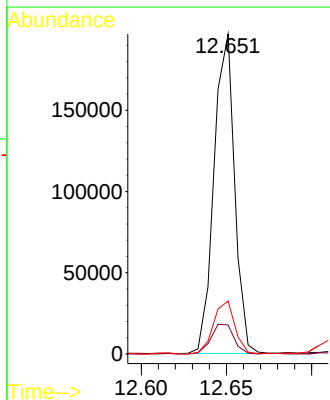
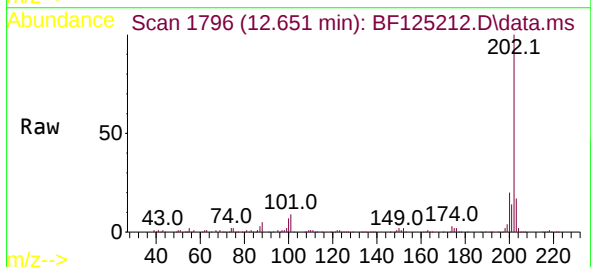
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

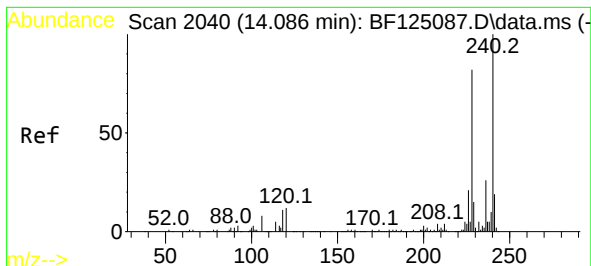
Tgt Ion:248 Resp: 17048
Ion Ratio Lower Upper
248 100
250 187.5 74.2 111.4#
141 505.2 60.4 90.6#



#75
Fluoranthene
Concen: 7.382 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:202 Resp: 165254
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.7
203 16.6 0.0 36.3

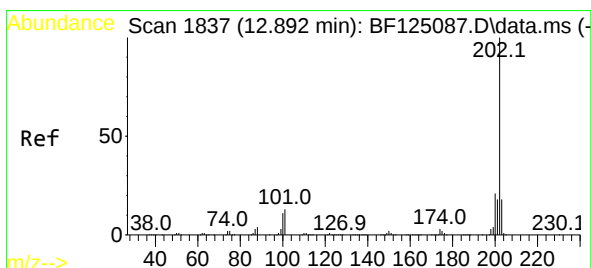
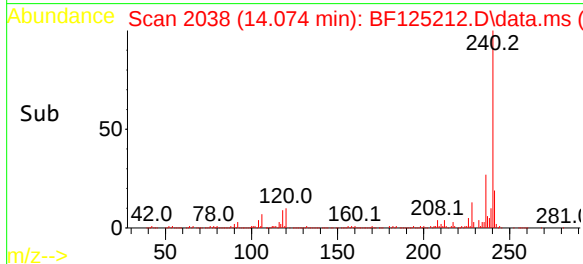
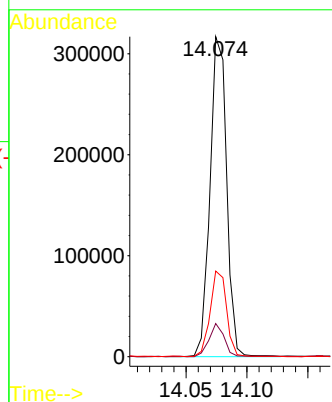
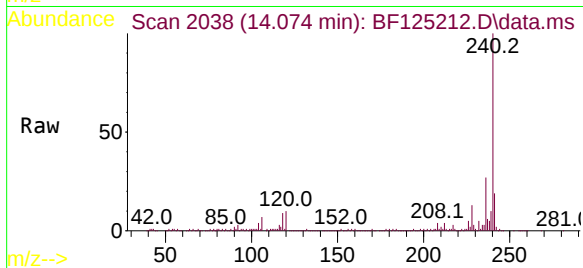




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

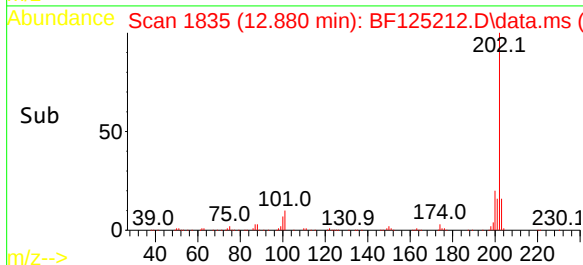
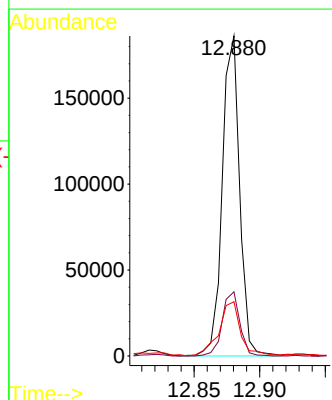
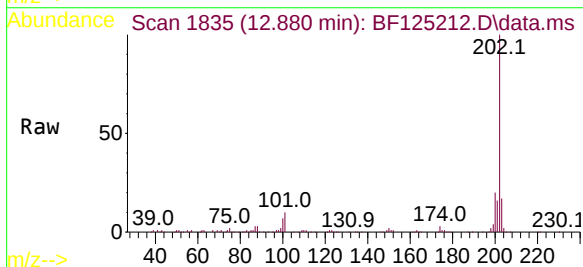
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2-(161.00)

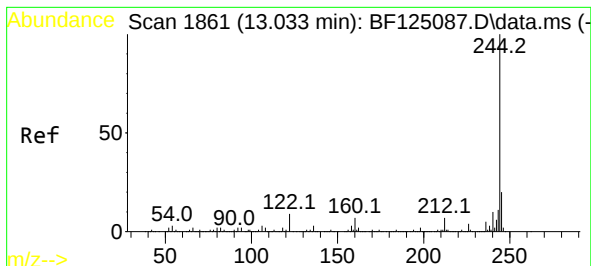
Tgt Ion:240 Resp: 301658
Ion Ratio Lower Upper
240 100
120 10.3 10.8 16.2#
236 26.8 21.6 32.4



#78
Pyrene
Concen: 6.613 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125212.D
Acq: 25 Aug 2021 16:25

Tgt Ion:202 Resp: 171114
Ion Ratio Lower Upper
202 100
200 20.0 15.3 22.9
203 16.9 13.4 20.0





#79

Terphenyl-d14

Concen: 38.682 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.000 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2-(161.00)

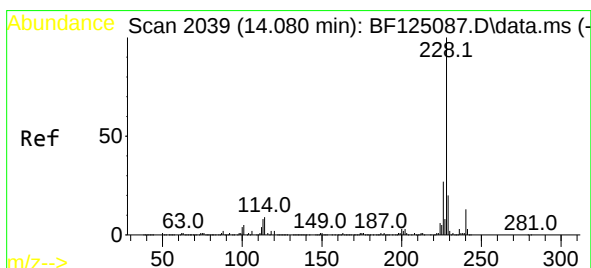
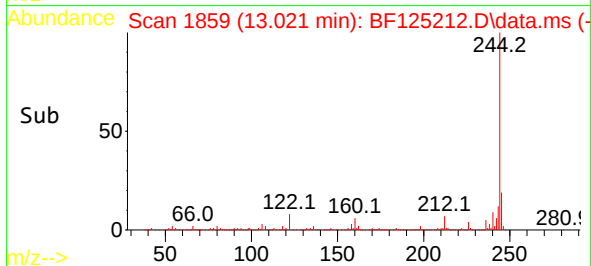
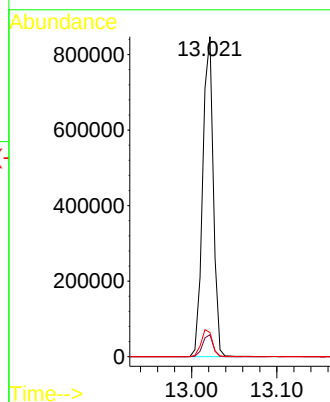
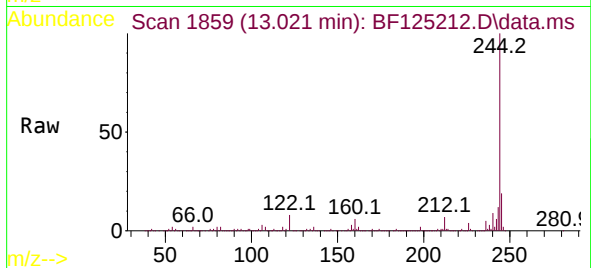
Tgt Ion:244 Resp: 732465

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 7.5 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 7.453 ng

RT: 14.104 min Scan# 2043

Delta R.T. 0.035 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

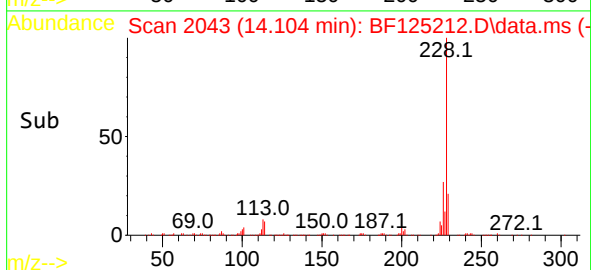
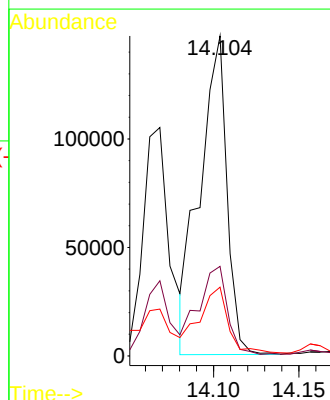
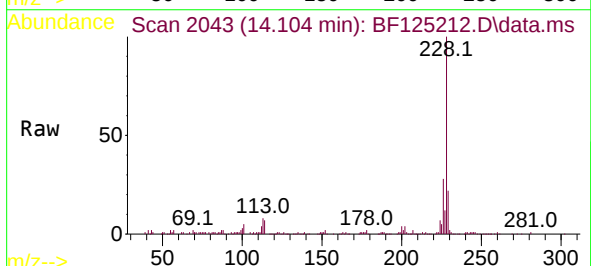
Tgt Ion:228 Resp: 161994

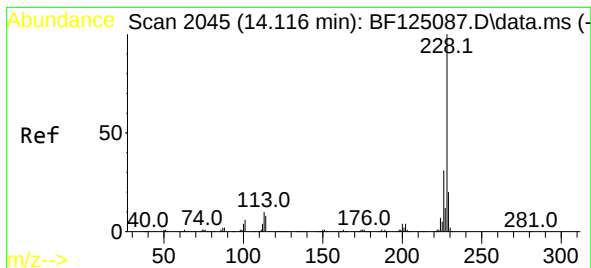
Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 21.5 15.6 23.4





#83

Chrysene

Concen: 7.537 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

Tgt Ion:228 Resp: 161994

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

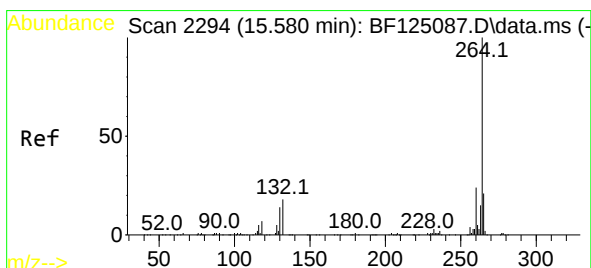
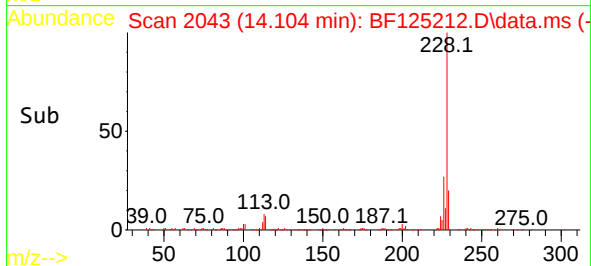
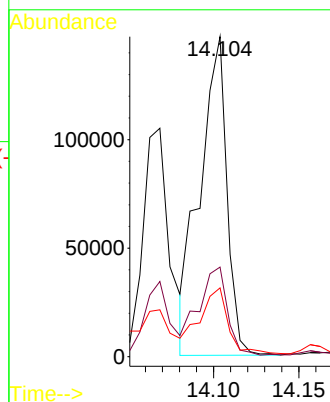
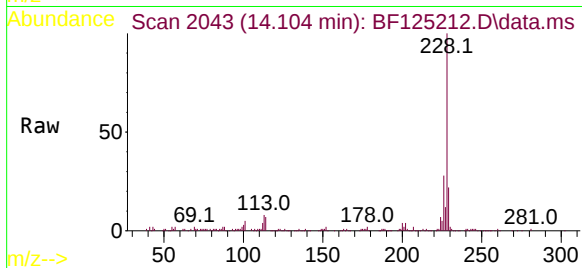
229 21.5 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2-(161.00)



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.000 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

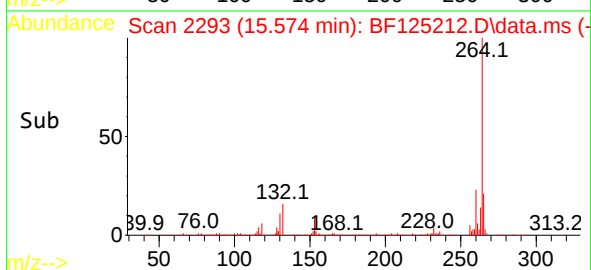
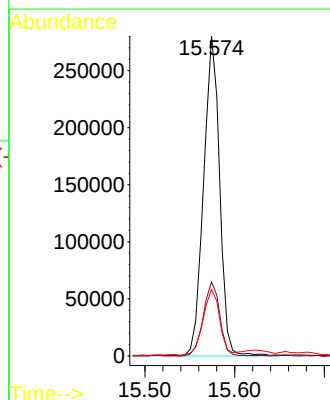
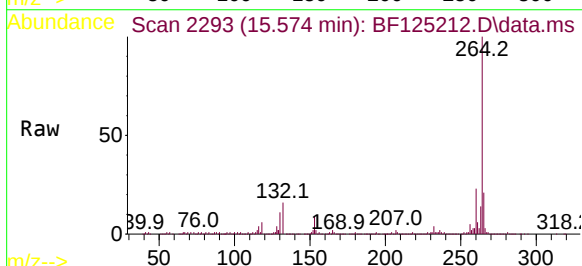
Tgt Ion:264 Resp: 347886

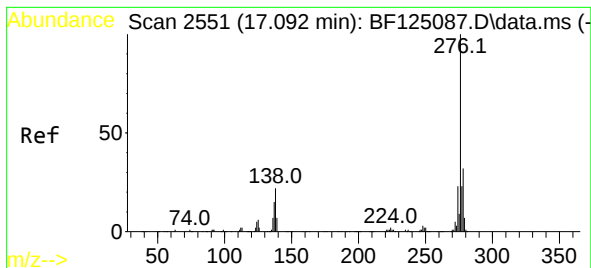
Ion Ratio Lower Upper

264 100

260 23.1 19.6 29.4

265 20.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.726 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.018 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

Tgt Ion:276 Resp: 168559

Ion Ratio Lower Upper

276 100

138 18.2 24.1 36.1#

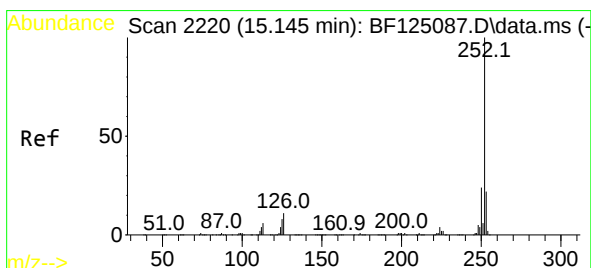
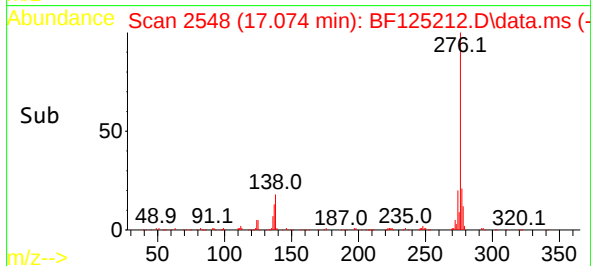
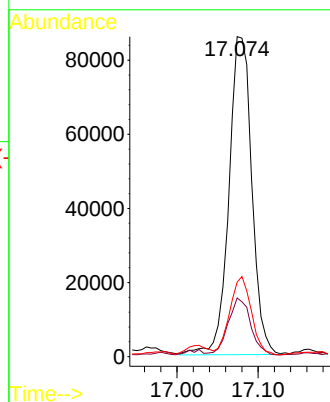
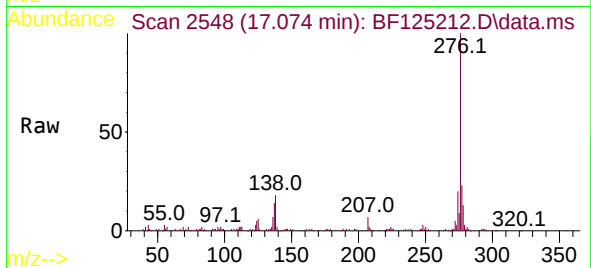
277 23.6 18.8 28.2

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2-(161.00)



#88

Benzo(b)fluoranthene

Concen: 17.331 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

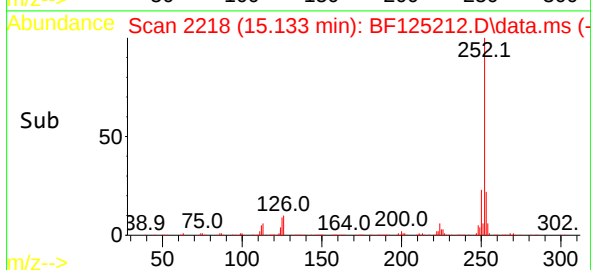
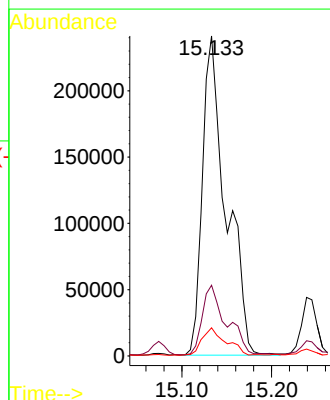
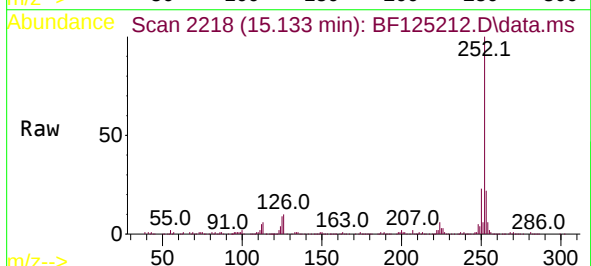
Tgt Ion:252 Resp: 440485

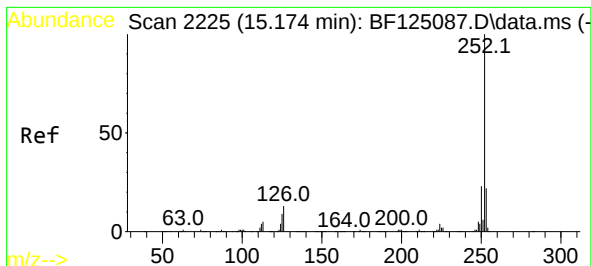
Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 8.8 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 18.573 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.035 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

Tgt Ion:252 Resp: 440485

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

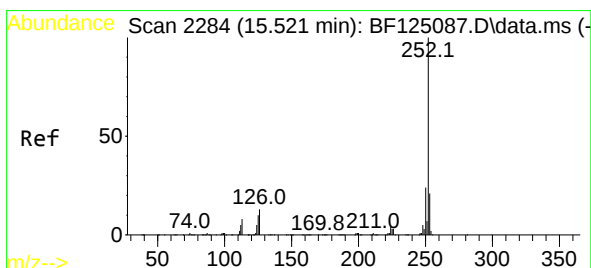
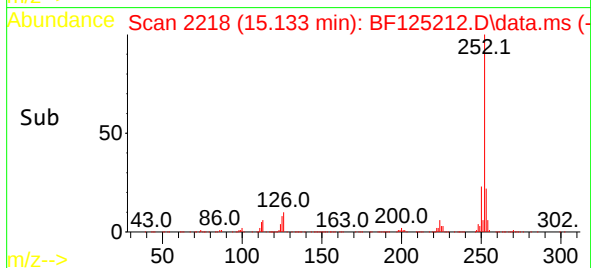
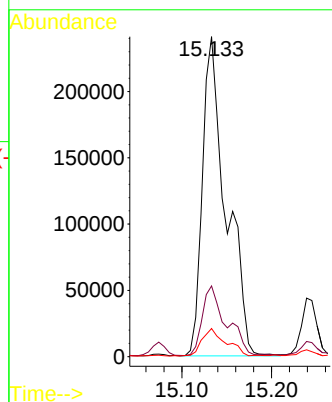
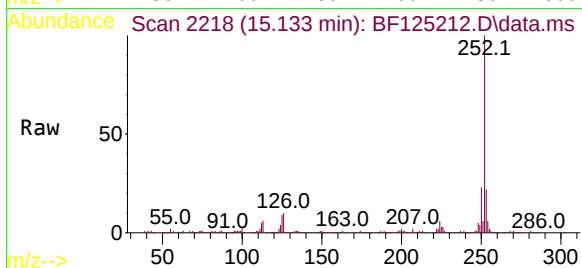
125 8.8 7.2 10.8

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2-(161.00)



#90

Benzo(a)pyrene

Concen: 7.418 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.070 min

Lab File: BF125212.D

Acq: 25 Aug 2021 16:25

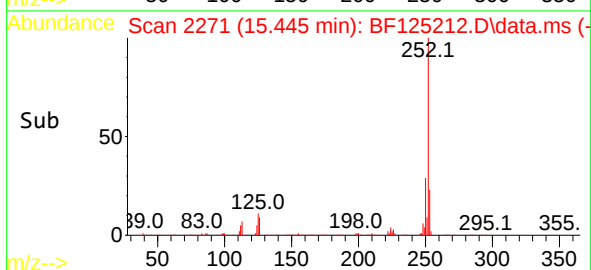
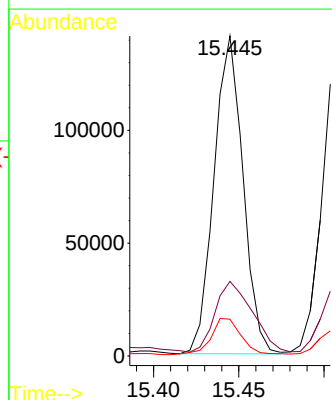
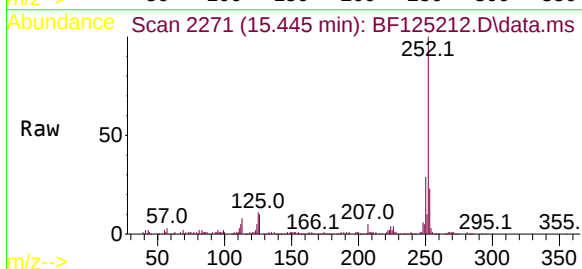
Tgt Ion:252 Resp: 166545

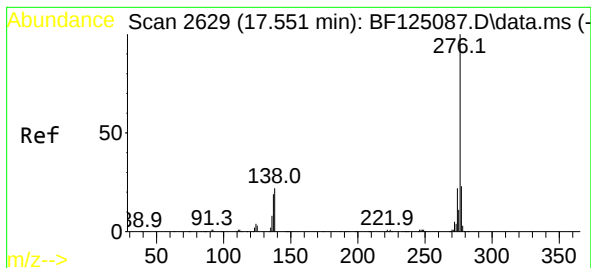
Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 11.5 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.545 ng
 RT: 17.533 min Scan# 2626
 Delta R.T. -0.018 min
 Lab File: BF125212.D
 Acq: 25 Aug 2021 16:25

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2-(161.00)

Tgt Ion:276 Resp: 157608
 Ion Ratio Lower Upper
 276 100
 277 22.5 22.0 33.0
 138 17.6 22.2 33.4#

