

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127827.D
 Acq On : 18 Apr 2022 16:08
 Operator : CG\JU
 Sample : N2442-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124030

Quant Time: Apr 19 05:15:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

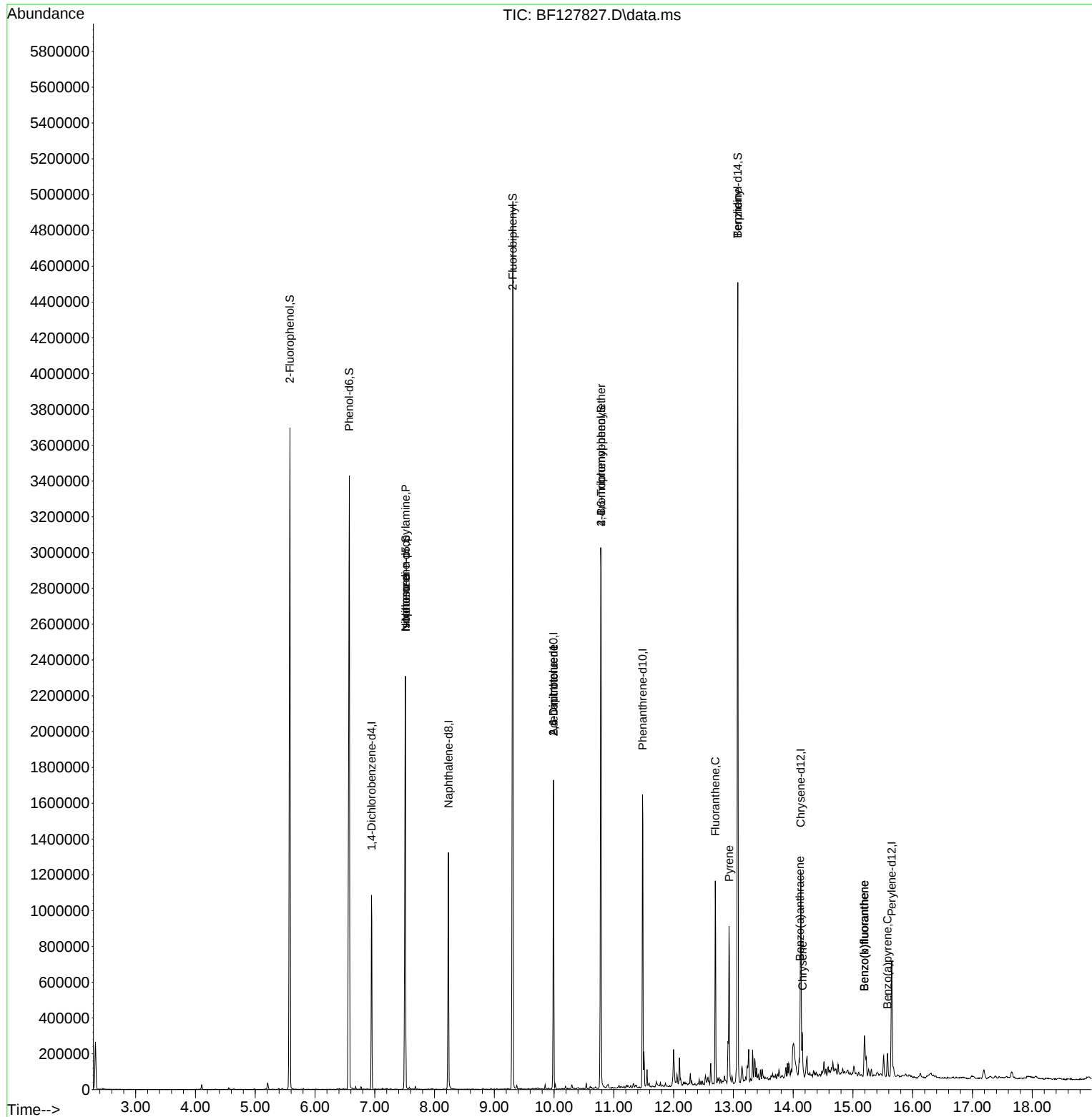
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	157604	20.000	ng	-0.02
21) Naphthalene-d8	8.234	136	594684	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	338987	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	619453	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	359883	20.000	ng	-0.02
86) Perylene-d12	15.651	264	320066	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1005175	103.634	ng	0.00
7) Phenol-d6	6.575	99	1300960	102.529	ng	-0.01
23) Nitrobenzene-d5	7.516	82	939216	70.410	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	400584	111.047	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1579948	65.935	ng	-0.01
79) Terphenyl-d14	13.074	244	1603768	73.557	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	273	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.516	70	128518	15.660	ng	# 71
25) Isophorone	7.516	82	930439	39.974	ng	# 70
51) 2,6-Dinitrotoluene	9.992	165	43110	9.308	ng	# 16
57) 2,4-Dinitrotoluene	9.992	165	43110	7.507	ng	# 13
67) 4-Bromophenyl-phenylether	10.786	248	25611	3.407	ng	# 1
75) Fluoranthene	12.698	202	435470	12.159	ng	99
77) Benzidine	13.074	184	22072	2.350	ng	# 92
78) Pyrene	12.927	202	362421	11.926	ng	99
81) Benzo(a)anthracene	14.116	228	137285	5.712	ng	97
83) Chrysene	14.157	228	116683	5.057	ng	98
88) Benzo(b)fluoranthene	15.192	252	172934	8.399	ng	99
89) Benzo(k)fluoranthene	15.192	252	172934	8.468	ng	99
90) Benzo(a)pyrene	15.580	252	69015	4.124	ng	96

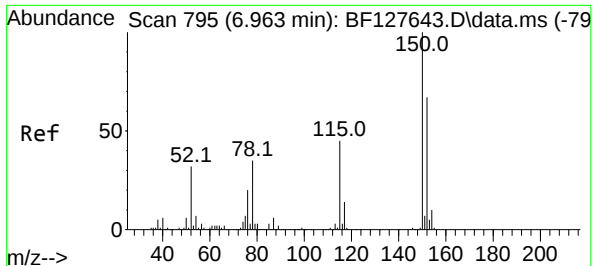
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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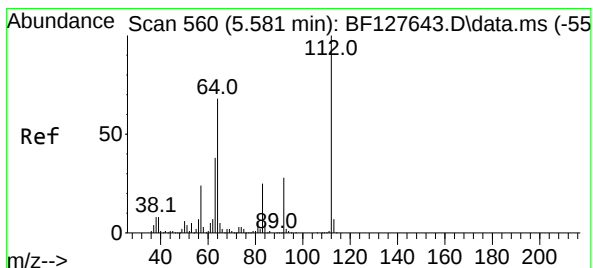
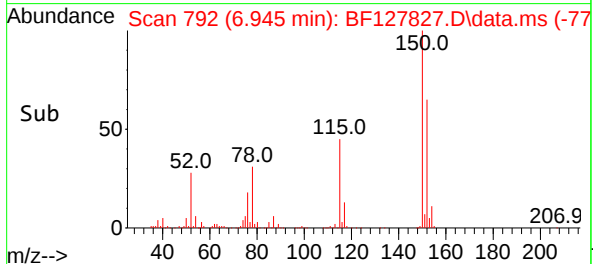
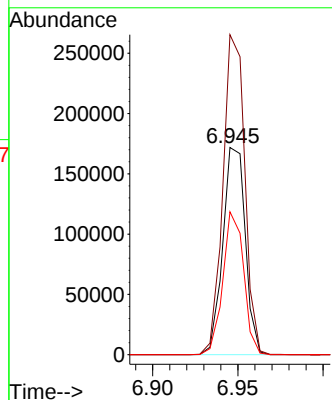
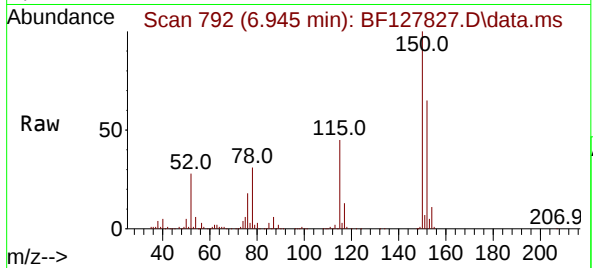




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.018 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

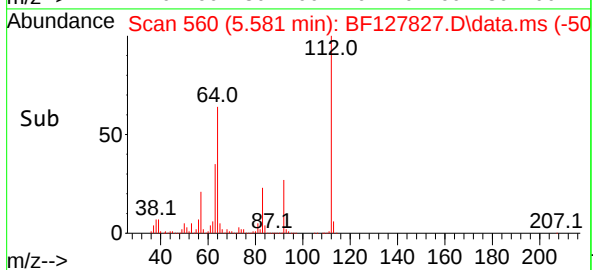
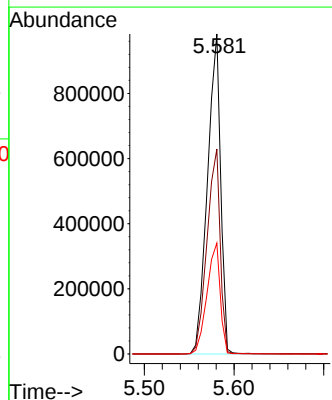
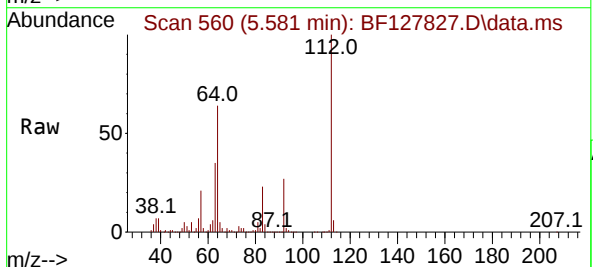
Instrument :
BNA_F
ClientSampleId :
124030

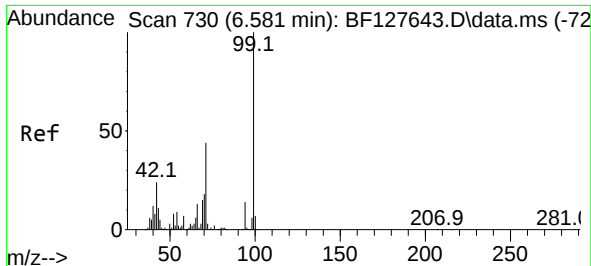
Tgt Ion:152 Resp: 157604
Ion Ratio Lower Upper
152 100
150 154.5 117.2 175.8
115 69.0 49.8 74.6



#5
2-Fluorophenol
Concen: 103.634 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Tgt Ion:112 Resp: 1005175
Ion Ratio Lower Upper
112 100
64 64.1 58.4 87.6
63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 102.529 ng

RT: 6.575 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

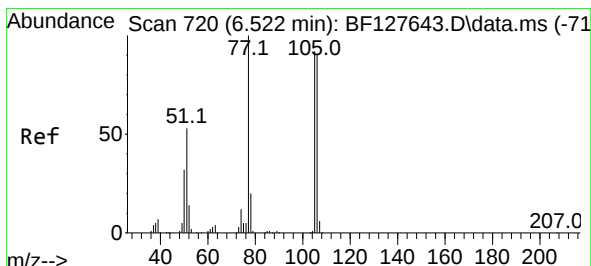
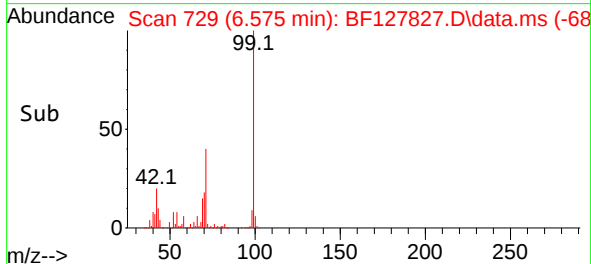
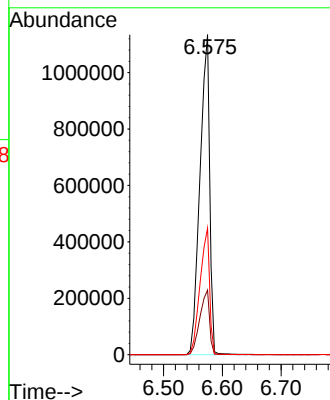
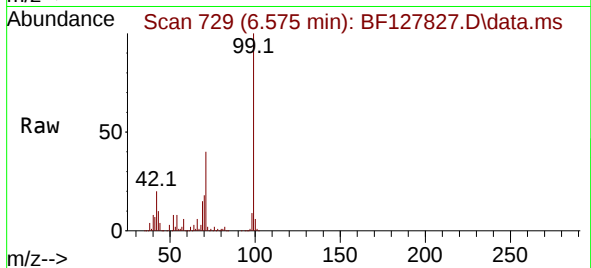
BNA_F

ClientSampleId :

124030

Tgt Ion: 99 Resp: 1300960

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.8	26.6
71	39.5	29.6	44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.504 min Scan# 717

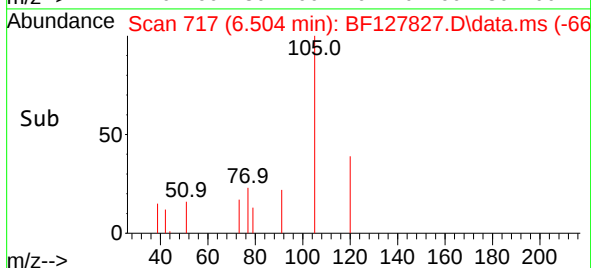
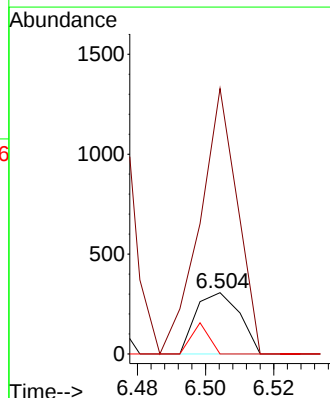
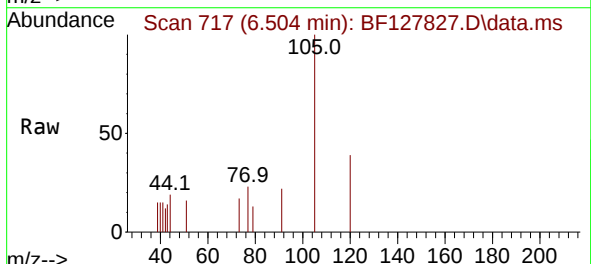
Delta R.T. -0.012 min

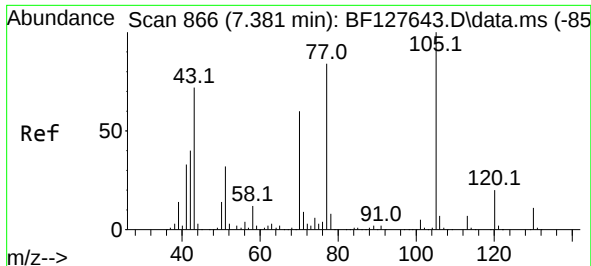
Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Tgt Ion: 77 Resp: 273

Ion	Ratio	Lower	Upper
77	100		
105	432.9	66.8	106.8#
106	0.0	64.3	104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 15.660 ng

RT: 7.516 min Scan# 8

Delta R.T. 0.141 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

Tgt Ion: 70 Resp: 128518

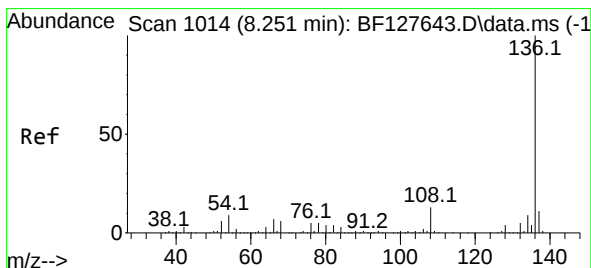
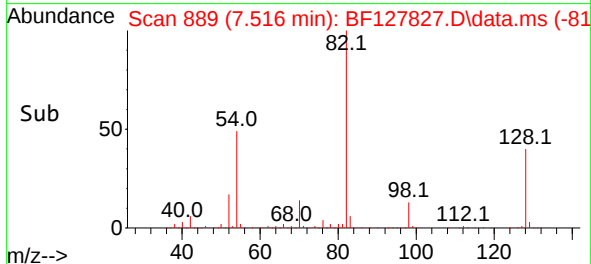
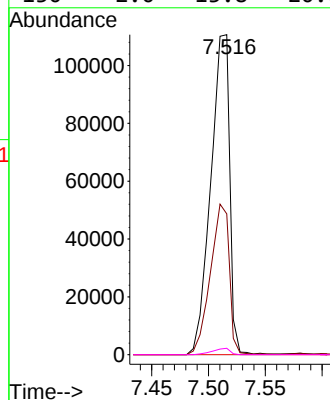
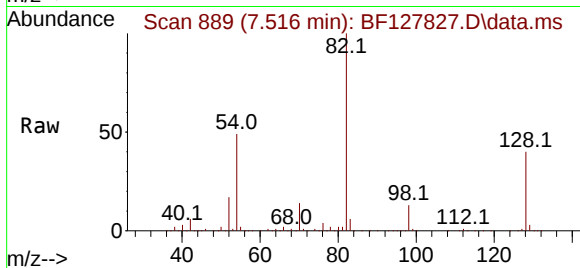
Ion Ratio Lower Upper

70 100

42 44.0 53.0 79.6#

101 0.0 6.8 10.2#

130 2.0 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.234 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Tgt Ion:136 Resp: 594684

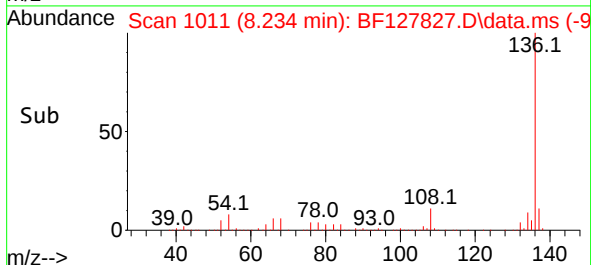
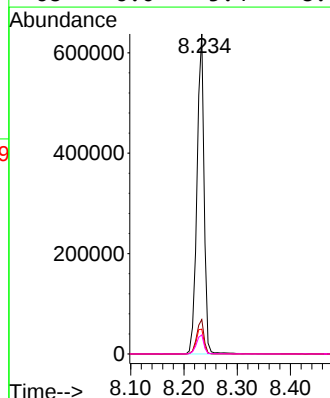
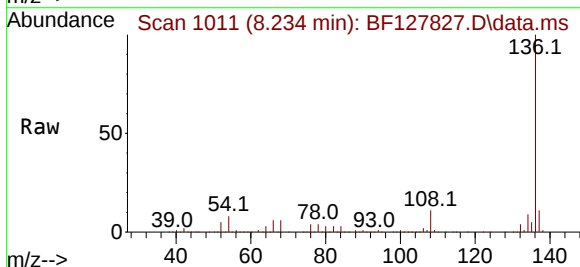
Ion Ratio Lower Upper

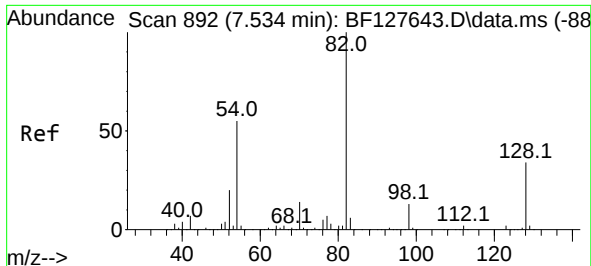
136 100

137 10.8 8.6 13.0

54 7.7 9.2 13.8#

68 6.0 5.4 8.0

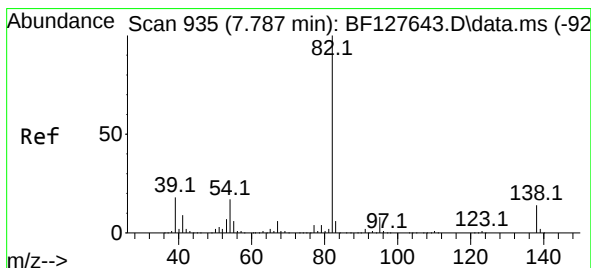
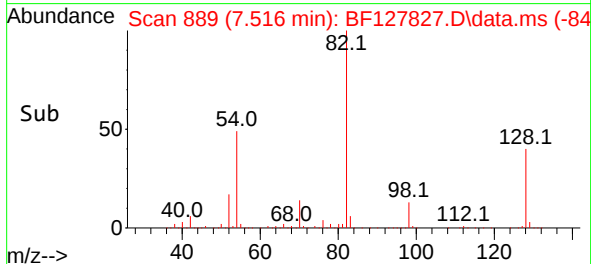
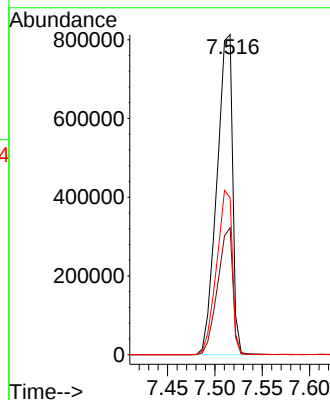
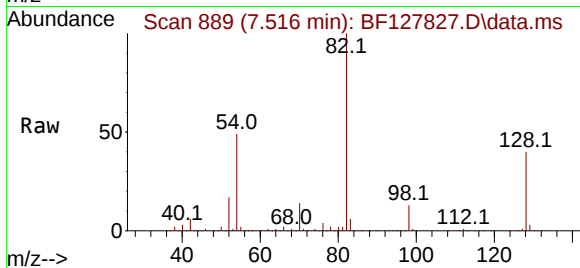




#23
Nitrobenzene-d5
Concen: 70.410 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

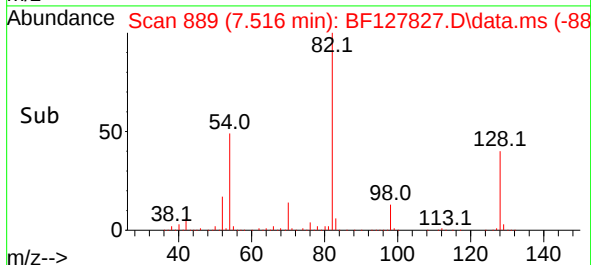
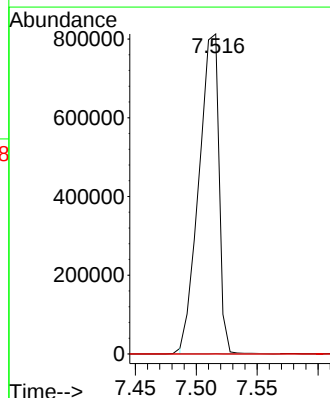
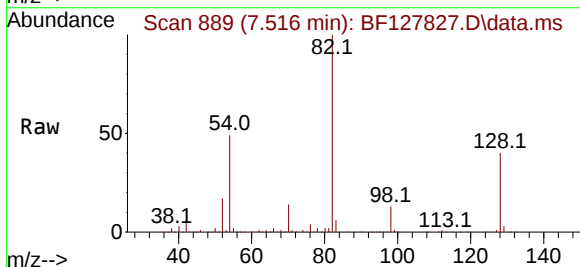
Instrument :
BNA_F
ClientSampleId :
124030

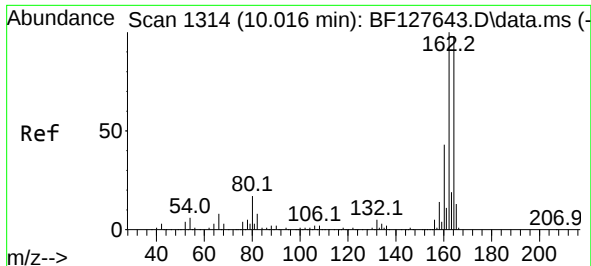
Tgt Ion: 82 Resp: 939216
Ion Ratio Lower Upper
82 100
128 39.6 30.6 45.8
54 49.1 48.2 72.2



#25
Isophorone
Concen: 39.974 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.271 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Tgt Ion: 82 Resp: 930439
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#

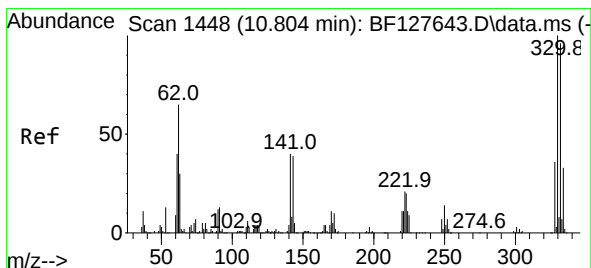
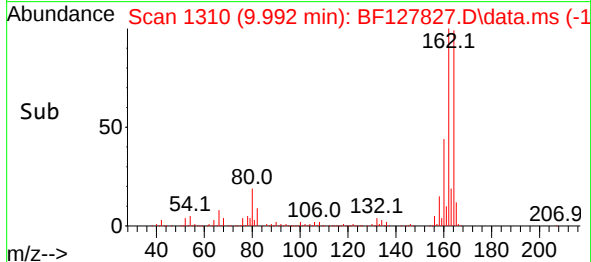
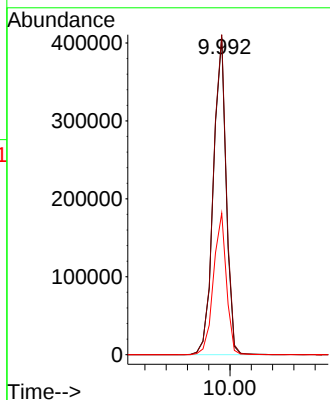
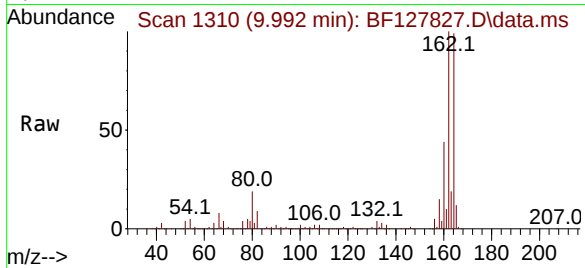




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

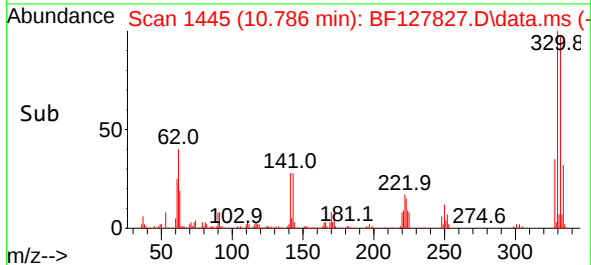
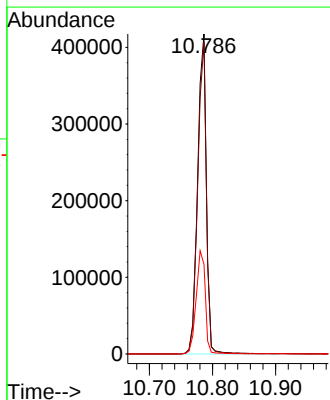
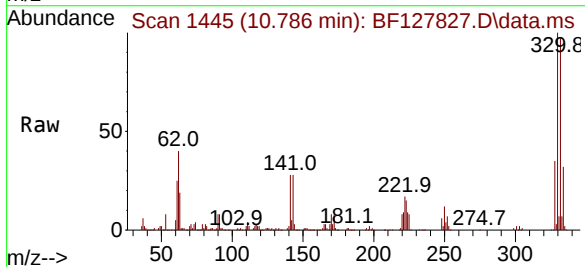
Instrument :
BNA_F
ClientSampleId :
124030

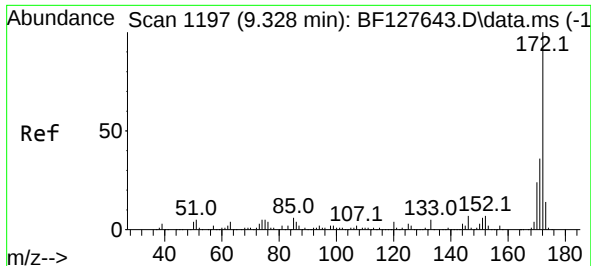
Tgt Ion:164 Resp: 338987
Ion Ratio Lower Upper
164 100
162 100.9 81.2 121.8
160 44.6 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 111.047 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Tgt Ion:330 Resp: 400584
Ion Ratio Lower Upper
330 100
332 96.1 79.1 118.7
141 33.8 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 65.935 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

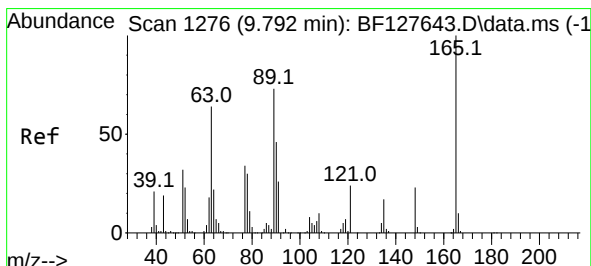
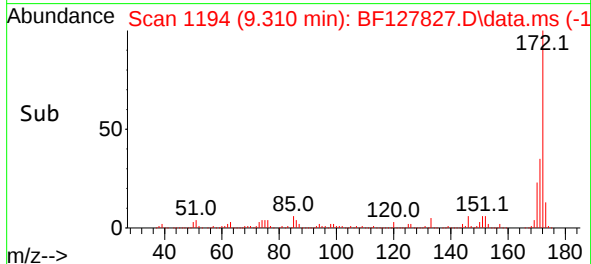
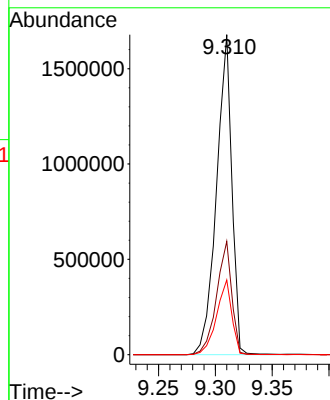
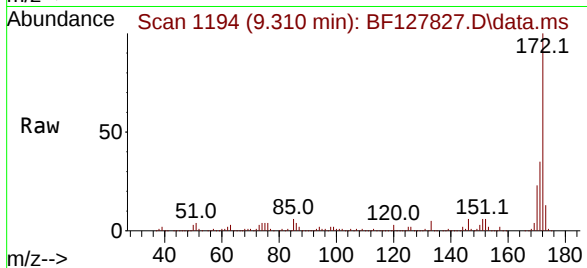
Tgt Ion:172 Resp: 1579948

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.308 ng

RT: 9.992 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

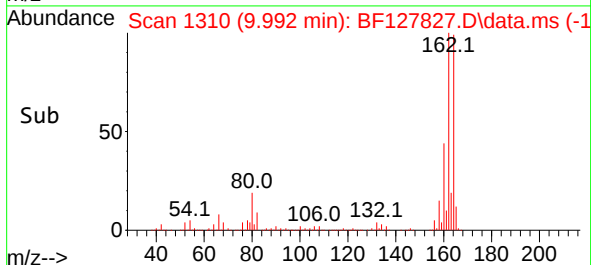
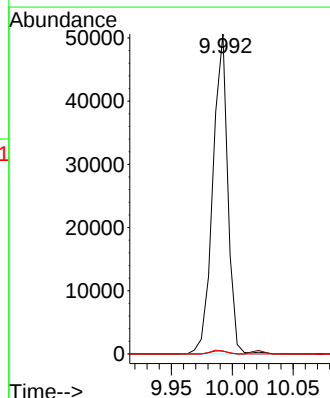
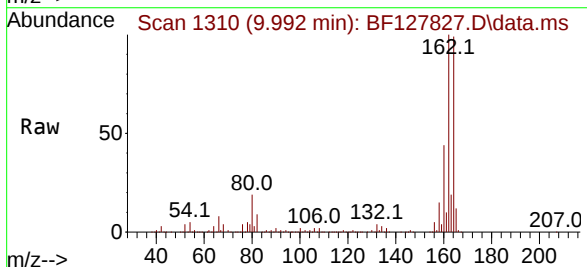
Tgt Ion:165 Resp: 43110

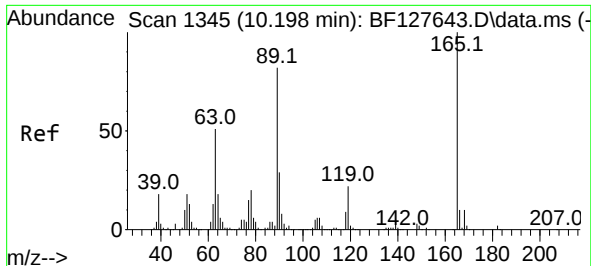
Ion Ratio Lower Upper

165 100

63 1.0 58.3 87.5#

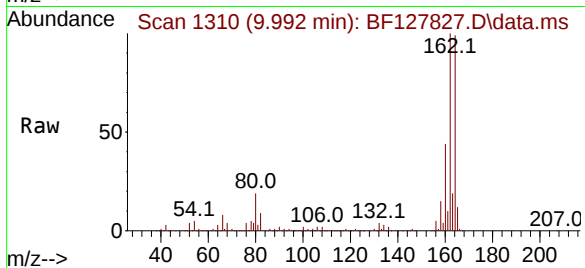
89 0.8 51.5 77.3#



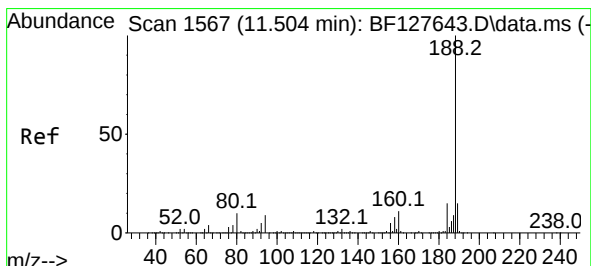
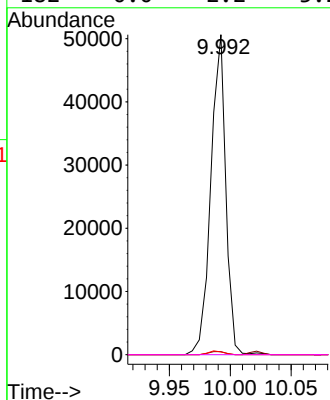
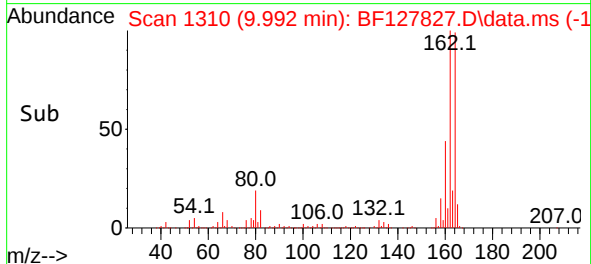


#57
2,4-Dinitrotoluene
Concen: 7.507 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Instrument :
BNA_F
ClientSampleId :
124030

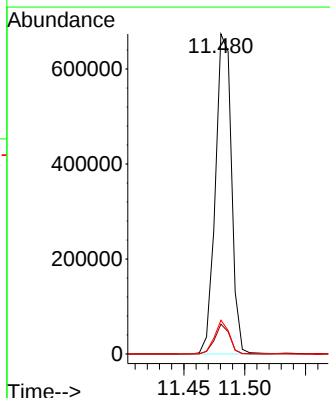
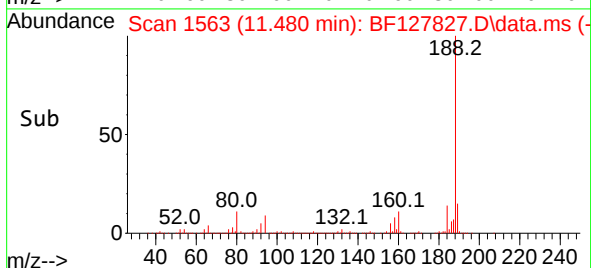
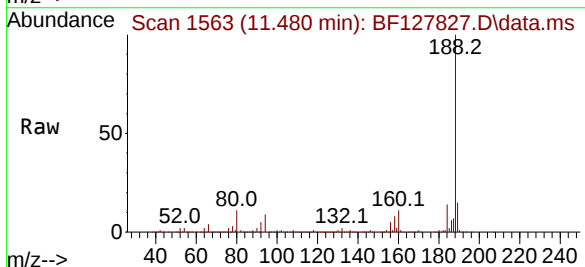


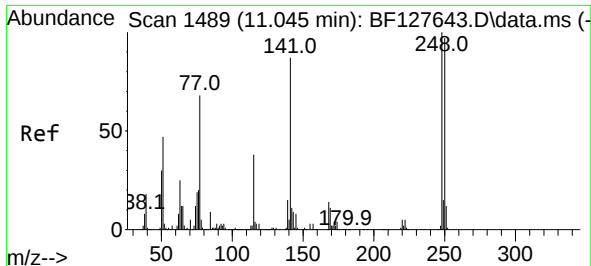
Tgt Ion:165 Resp: 43110
Ion Ratio Lower Upper
165 100
63 1.0 53.1 79.7#
89 0.8 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Tgt Ion:188 Resp: 619453
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 10.6 8.0 12.0





#67

4-Bromophenyl-phenylether

Concen: 3.407 ng

RT: 10.786 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

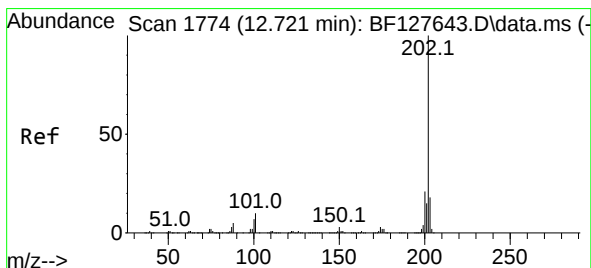
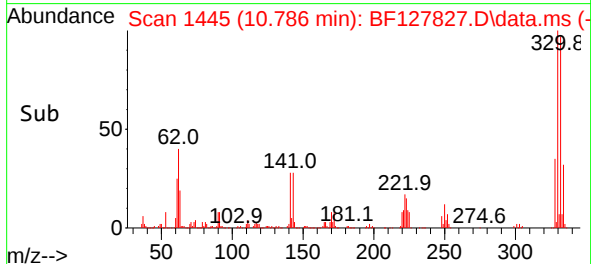
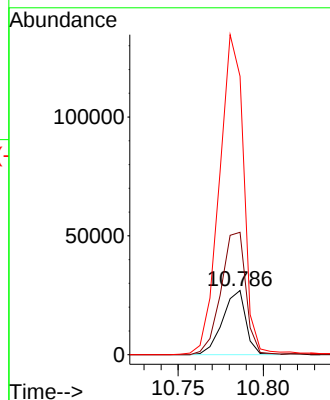
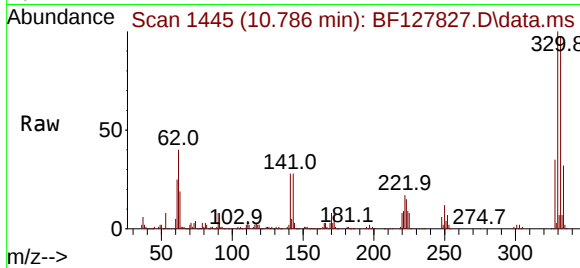
Tgt Ion:248 Resp: 25611

Ion Ratio Lower Upper

248 100

250 190.9 76.6 115.0#

141 434.2 52.2 78.2#



#75

Fluoranthene

Concen: 12.159 ng

RT: 12.698 min Scan# 1770

Delta R.T. -0.012 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

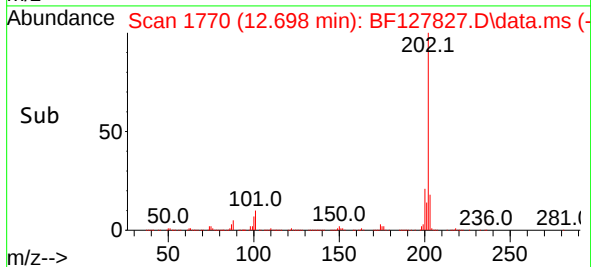
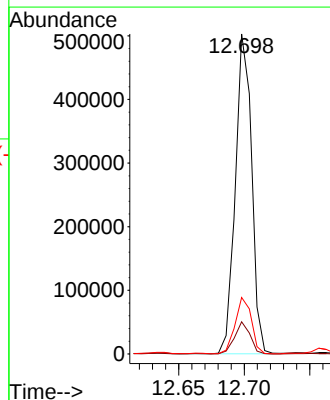
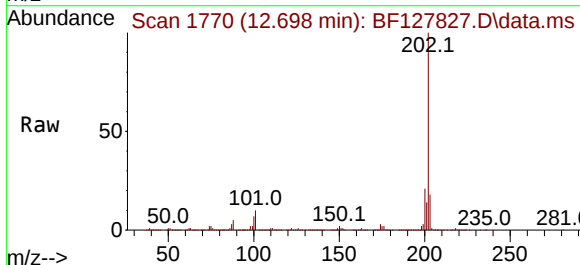
Tgt Ion:202 Resp: 435470

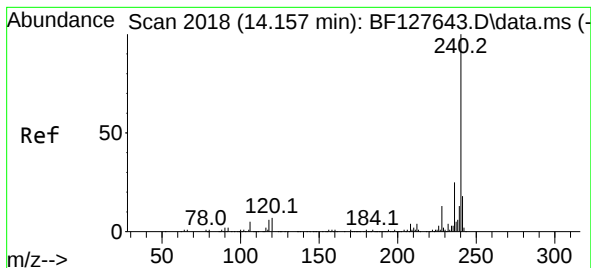
Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.0

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

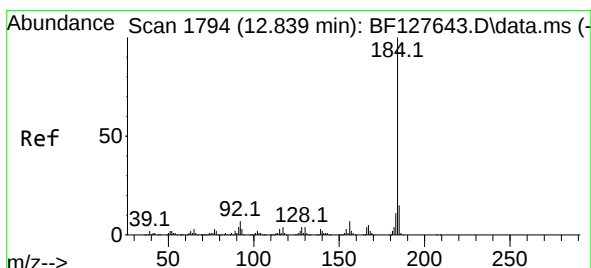
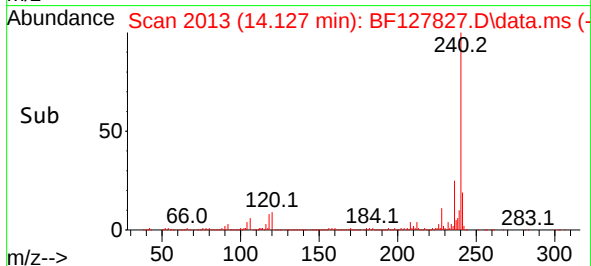
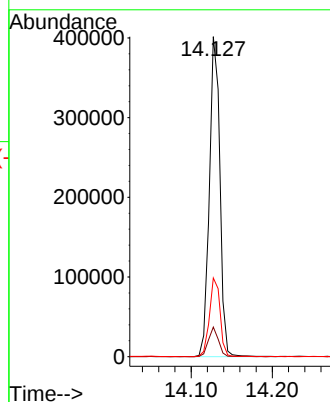
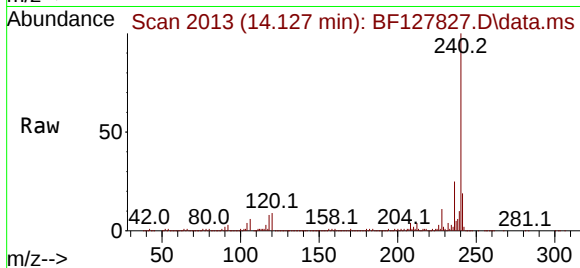
Tgt Ion:240 Resp: 359883

Ion Ratio Lower Upper

240 100

120 9.2 7.1 10.7

236 24.6 20.7 31.1



#77

Benzidine

Concen: 2.350 ng

RT: 13.074 min Scan# 1834

Delta R.T. 0.247 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

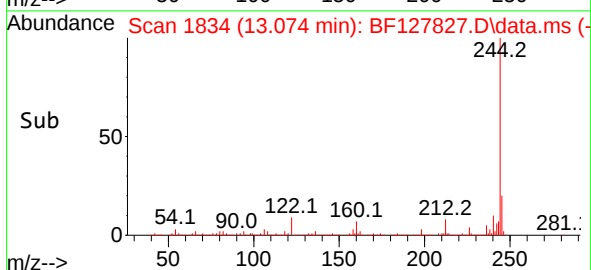
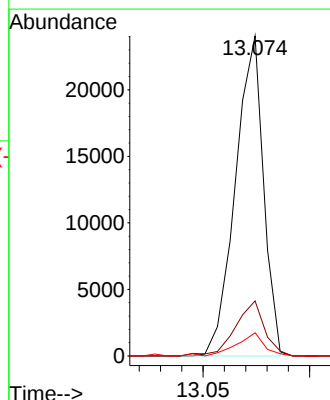
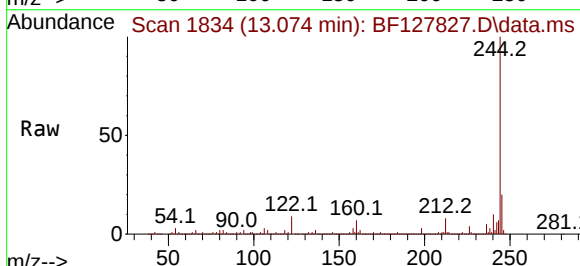
Tgt Ion:184 Resp: 22072

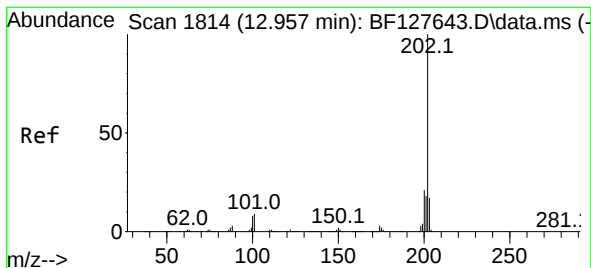
Ion Ratio Lower Upper

184 100

185 17.2 12.2 18.2

183 7.3 9.4 14.0#





#78

Pyrene

Concen: 11.926 ng

RT: 12.927 min Scan# 1809

Delta R.T. -0.018 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

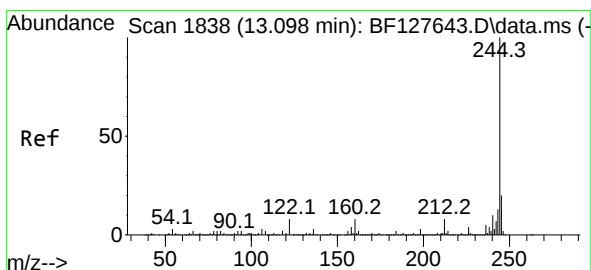
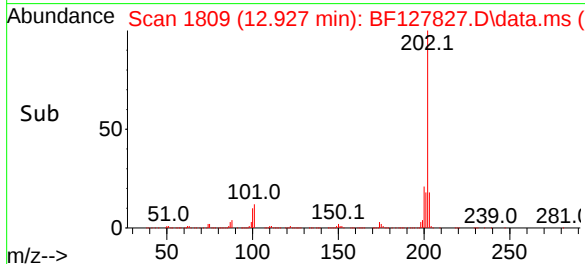
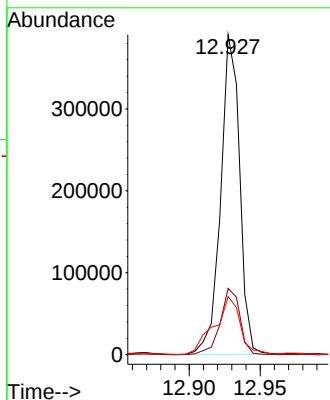
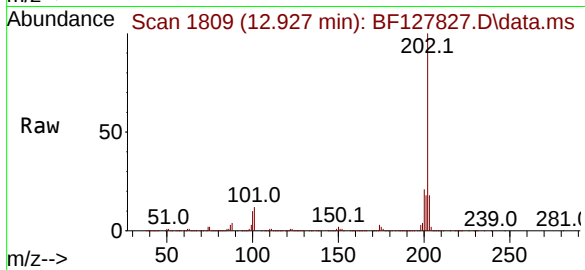
Tgt Ion:202 Resp: 362421

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 18.1 14.3 21.5



#79

Terphenyl-d14

Concen: 73.557 ng

RT: 13.074 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

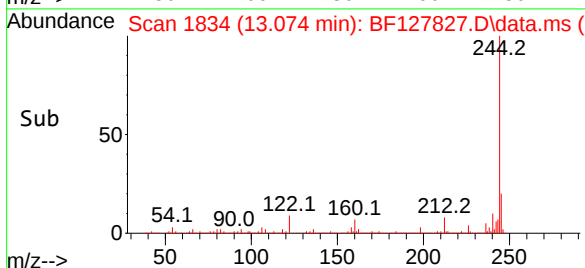
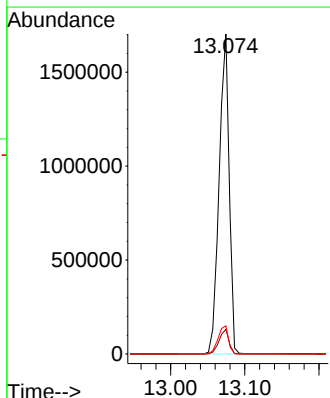
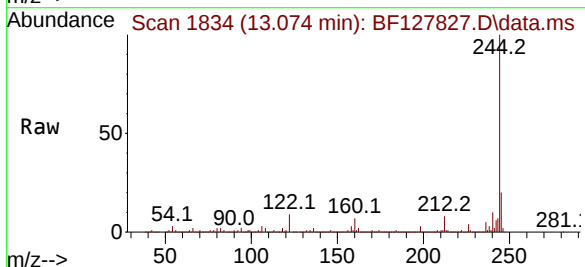
Tgt Ion:244 Resp: 1603768

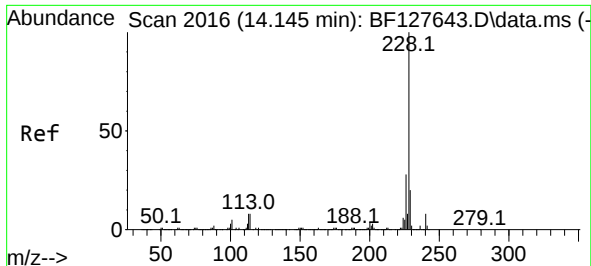
Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 8.8 6.2 9.2

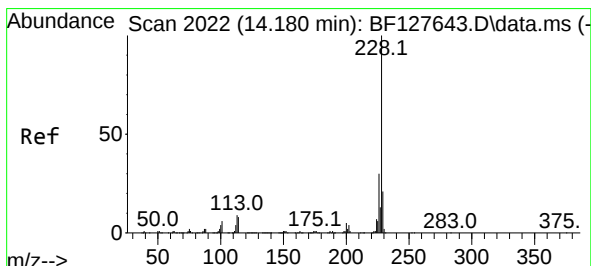
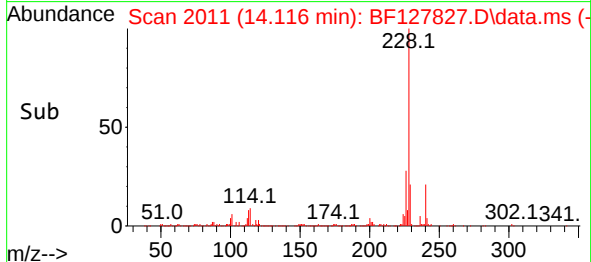
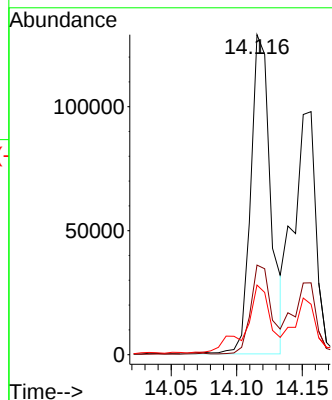
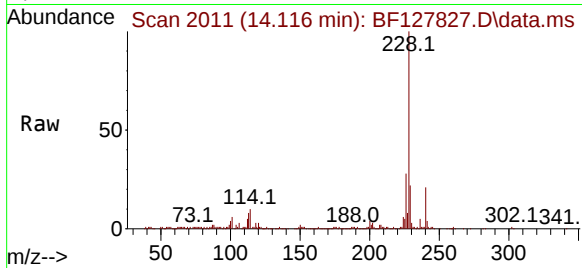




#81
Benzo(a)anthracene
Concen: 5.712 ng
RT: 14.116 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

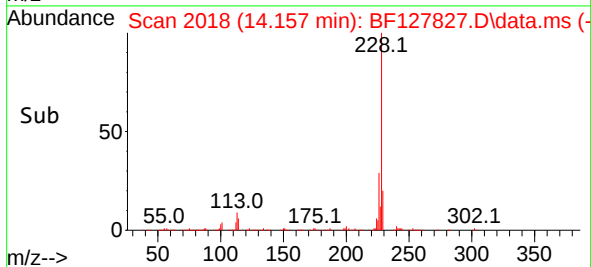
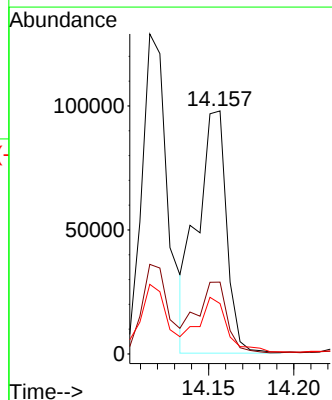
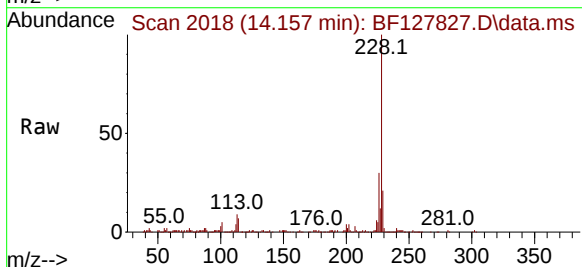
Instrument :
BNA_F
ClientSampleId :
124030

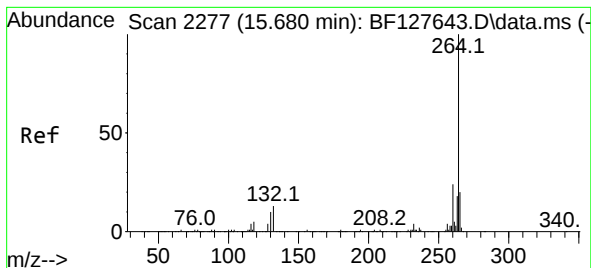
Tgt Ion:228 Resp: 137285
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.8 15.4 23.2



#83
Chrysene
Concen: 5.057 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127827.D
Acq: 18 Apr 2022 16:08

Tgt Ion:228 Resp: 116683
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.4
229 20.7 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

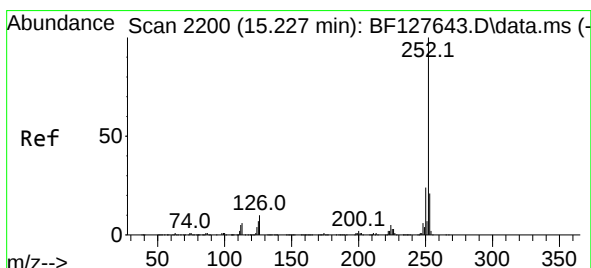
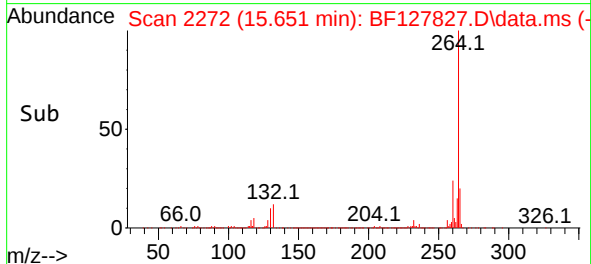
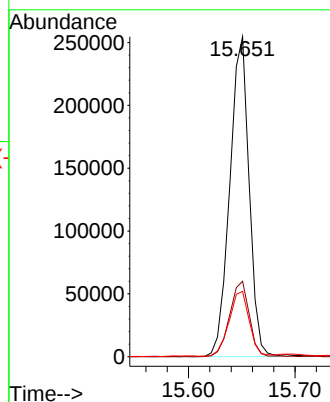
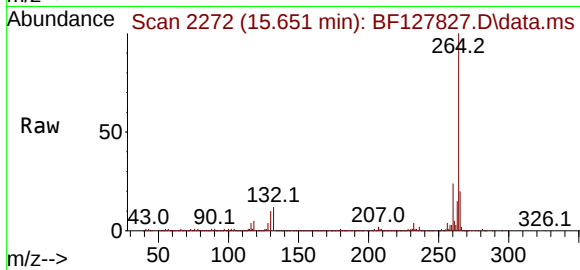
Tgt Ion:264 Resp: 320066

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 20.4 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 8.399 ng

RT: 15.192 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

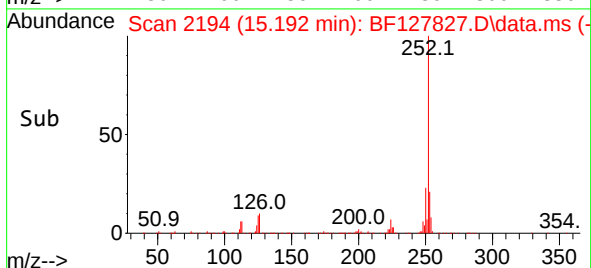
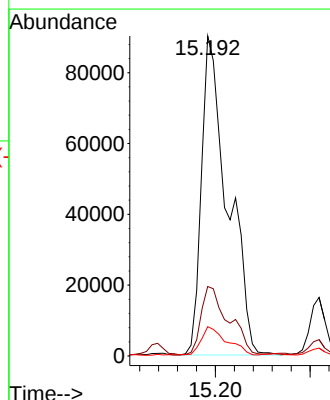
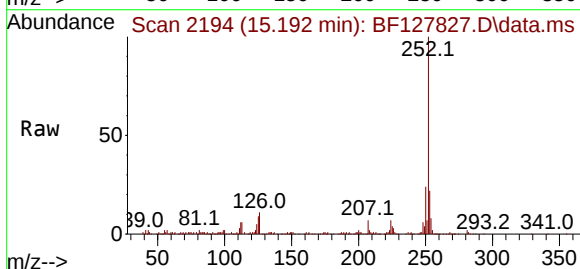
Tgt Ion:252 Resp: 172934

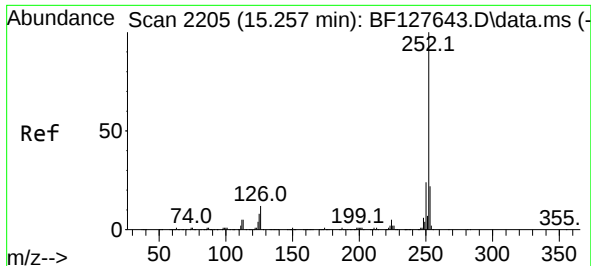
Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 8.468 ng

RT: 15.192 min Scan# 2119

Delta R.T. -0.047 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Instrument :

BNA_F

ClientSampleId :

124030

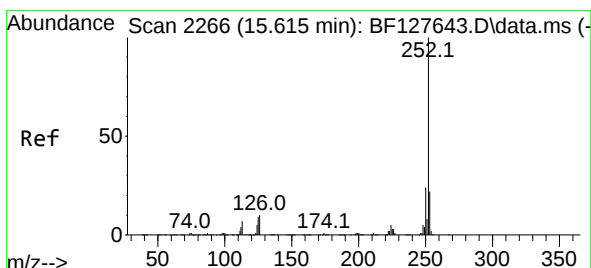
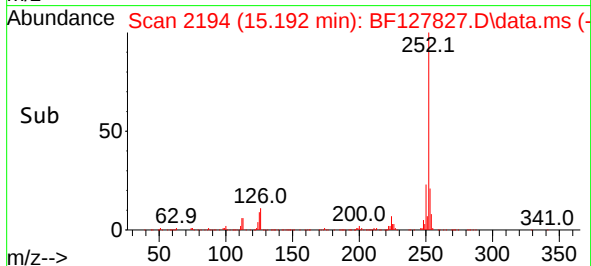
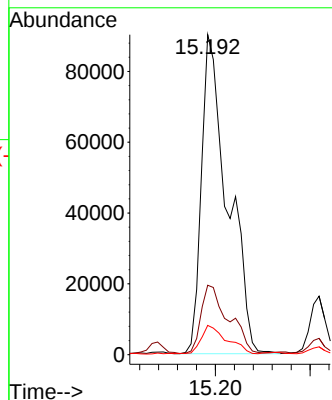
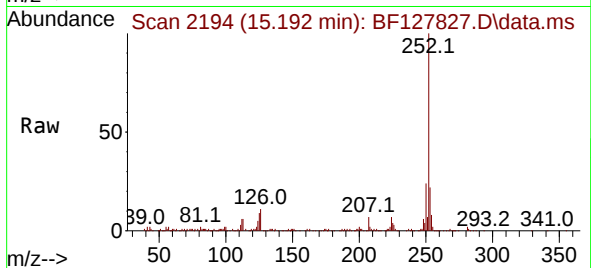
Tgt Ion:252 Resp: 172934

Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 9.1 6.9 10.3



#90

Benzo(a)pyrene

Concen: 4.124 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.018 min

Lab File: BF127827.D

Acq: 18 Apr 2022 16:08

Tgt Ion:252 Resp: 69015

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 10.0 6.7 10.1

