

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127814.D
 Acq On : 15 Apr 2022 20:21
 Operator : CG\JU
 Sample : N2391-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-041422

Quant Time: Apr 18 01:27:27 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)

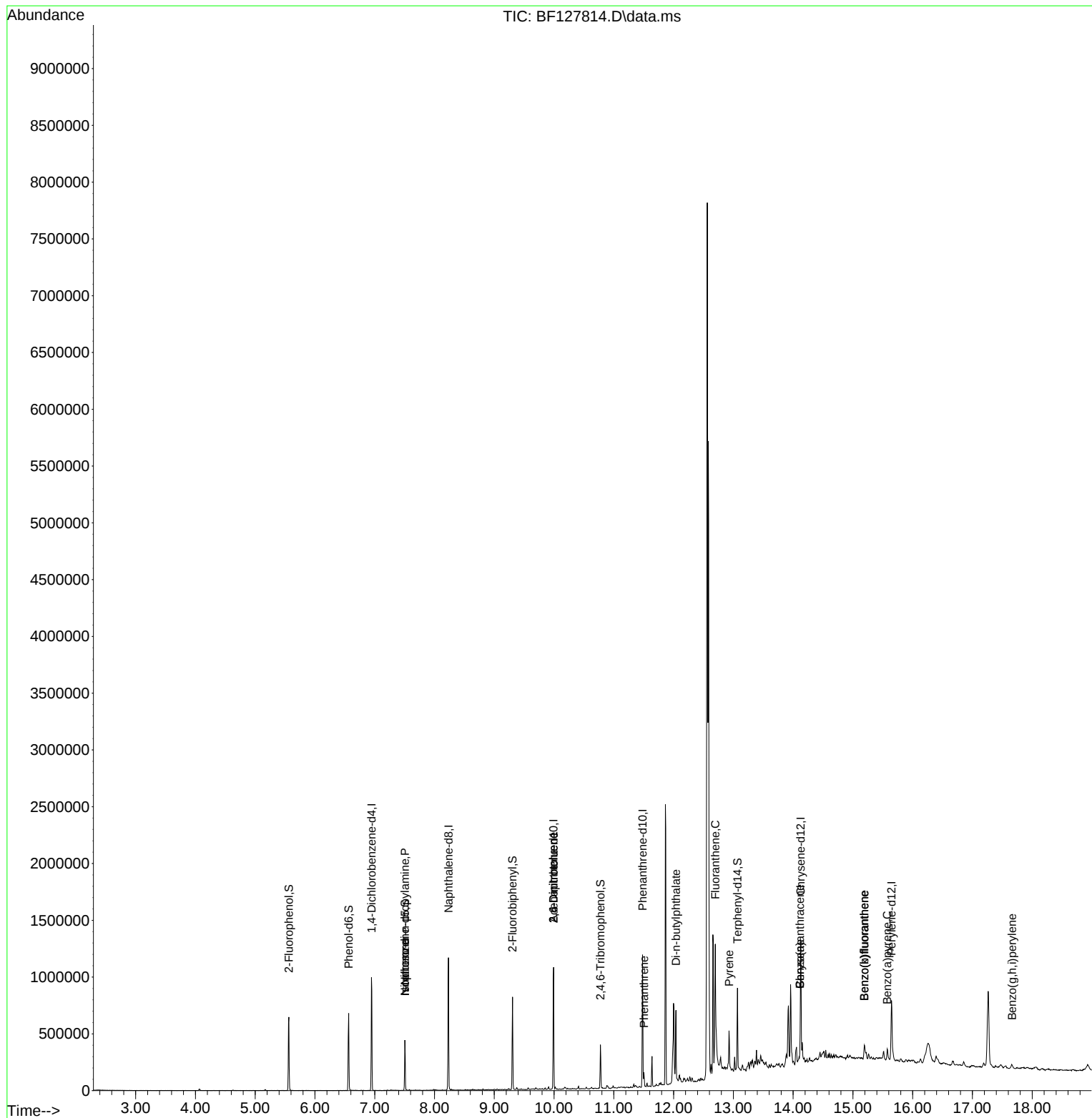
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	146597	20.000	ng	-0.02
21) Naphthalene-d8	8.234	136	470759	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	220133	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	375829	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	338209	20.000	ng	-0.02
86) Perylene-d12	15.645	264	258062	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	164473	18.230	ng	-0.02
7) Phenol-d6	6.563	99	191636	16.237	ng	-0.02
23) Nitrobenzene-d5	7.504	82	124949	11.833	ng	-0.02
42) 2,4,6-Tribromophenol	10.775	330	40843	17.435	ng	-0.02
45) 2-Fluorobiphenyl	9.304	172	211681	13.603	ng	-0.02
79) Terphenyl-d14	13.069	244	232120	11.328	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.557	77	300	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.504	70	16383	2.146	ng	# 76
25) Isophorone	7.504	82	123521	6.704	ng	# 70
51) 2,6-Dinitrotoluene	9.992	165	28338	9.422	ng	# 17
57) 2,4-Dinitrotoluene	9.992	165	28338	7.599	ng	# 13
71) Phenanthrene	11.504	178	40571	2.037	ng	100
74) Di-n-butylphthalate	12.039	149	268958	12.190	ng	98
75) Fluoranthene	12.698	202	124380	5.724	ng	99
78) Pyrene	12.927	202	129127	4.521	ng	99
81) Benzo(a)anthracene	14.116	228	63617	2.816	ng	95
83) Chrysene	14.116	228	63617	2.934	ng	98
88) Benzo(b)fluoranthene	15.192	252	89237	5.375	ng	95
89) Benzo(k)fluoranthene	15.192	252	89237	5.420	ng	94
90) Benzo(a)pyrene	15.574	252	50520	3.744	ng	# 95
92) Benzo(g,h,i)perylene	17.662	276	29693	2.217	ng	97

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

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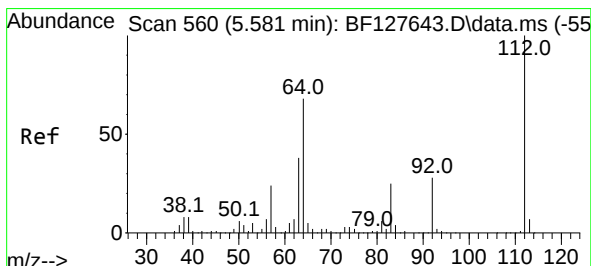
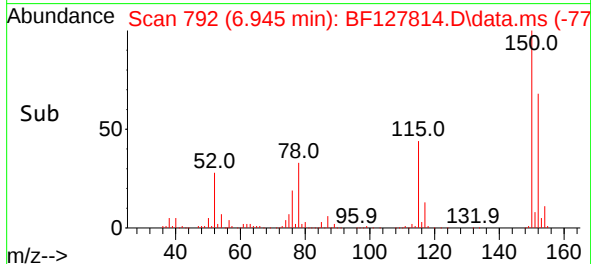
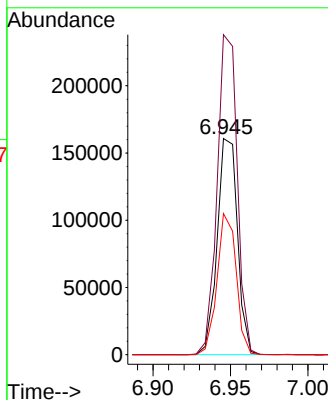
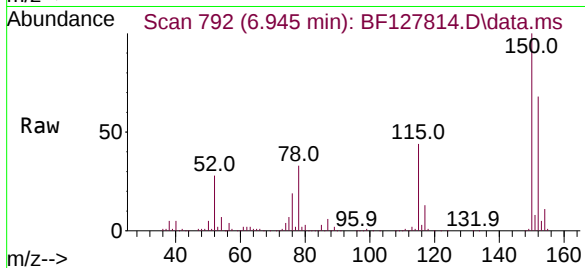




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.018 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

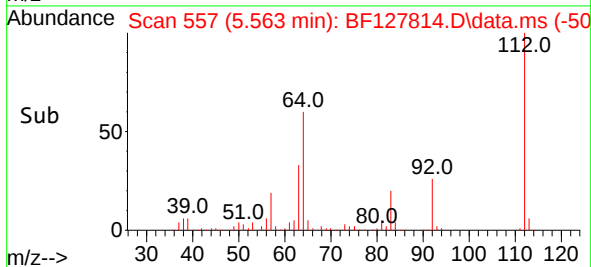
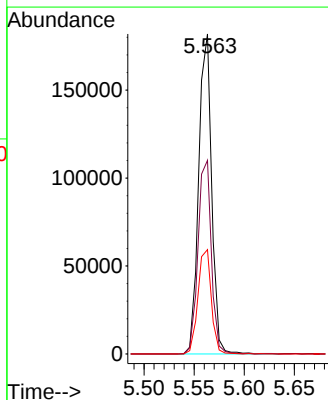
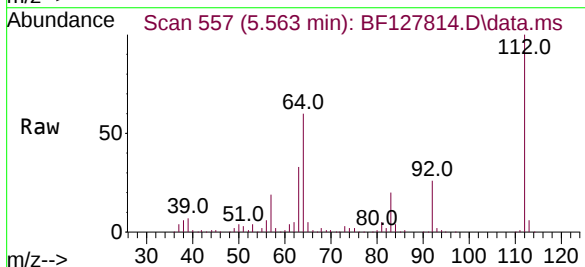
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

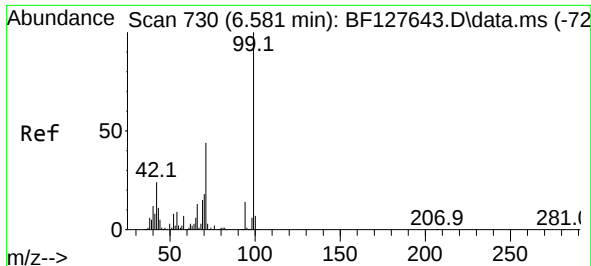
Tgt Ion:152 Resp: 146597
Ion Ratio Lower Upper
152 100
150 148.0 117.2 175.8
115 65.2 49.8 74.6



#5
2-Fluorophenol
Concen: 18.230 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.018 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:112 Resp: 164473
Ion Ratio Lower Upper
112 100
64 60.5 58.4 87.6
63 32.6 30.1 45.1

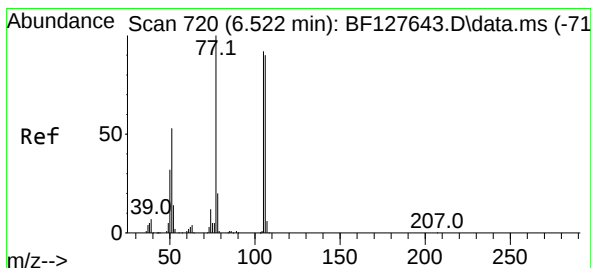
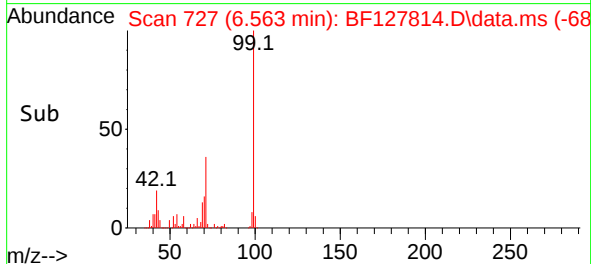
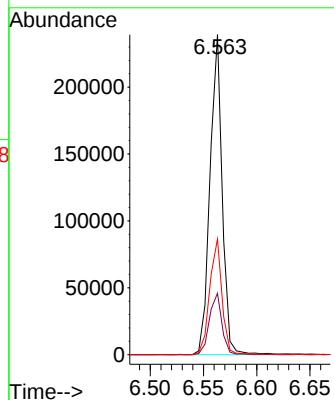
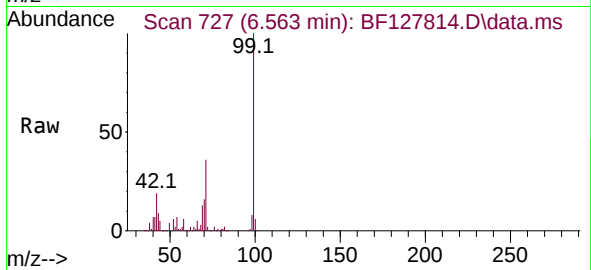




#7
Phenol-d6
Concen: 16.237 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.024 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

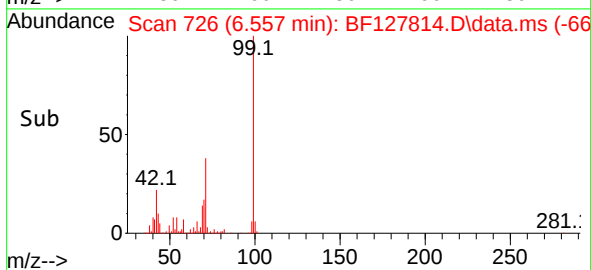
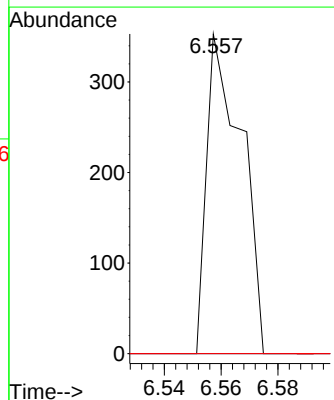
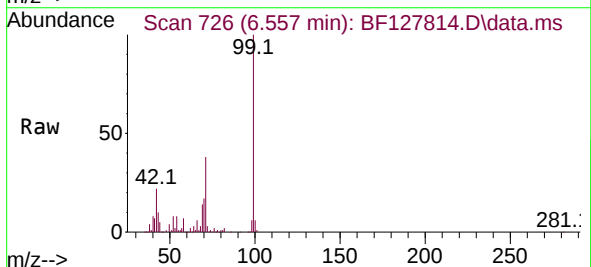
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

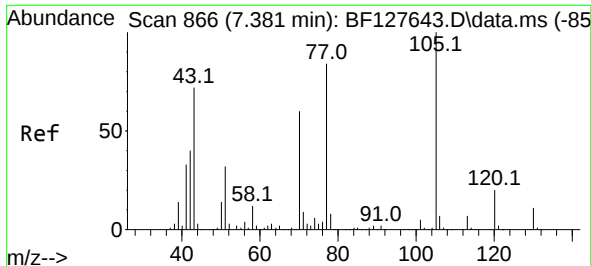
Tgt Ion: 99 Resp: 191636
Ion Ratio Lower Upper
99 100
42 19.2 17.8 26.6
71 36.2 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.557 min Scan# 726
Delta R.T. 0.041 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion: 77 Resp: 300
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#

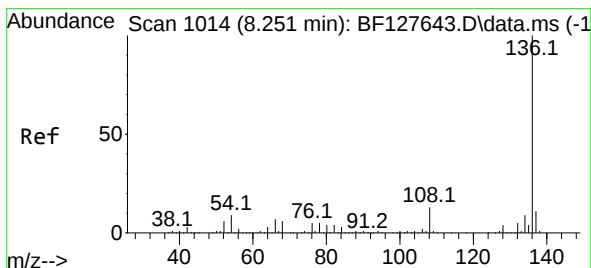
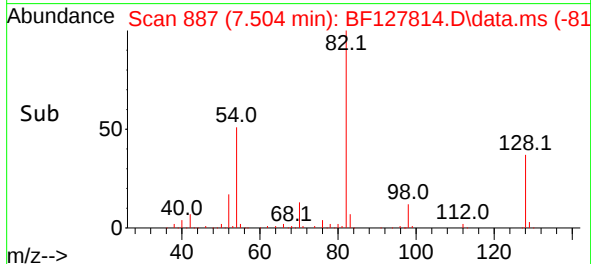
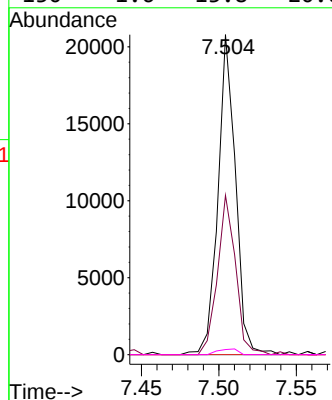
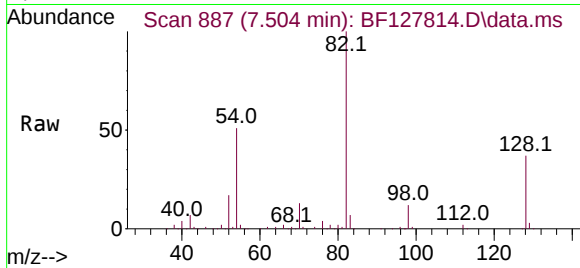




#19
n-Nitroso-di-n-propylamine
Concen: 2.146 ng
RT: 7.504 min Scan# 81
Delta R.T. 0.129 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

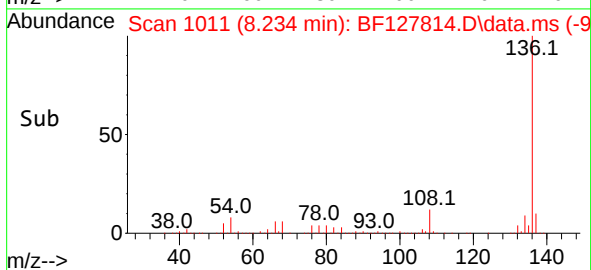
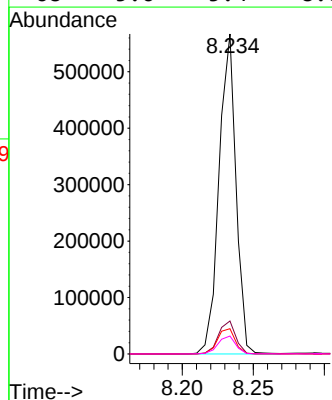
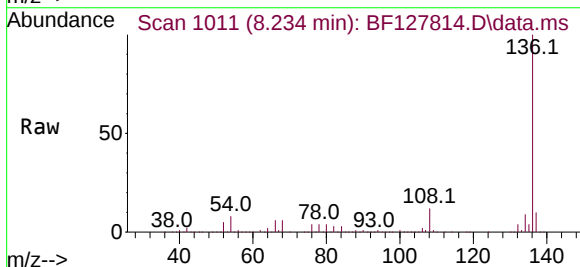
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

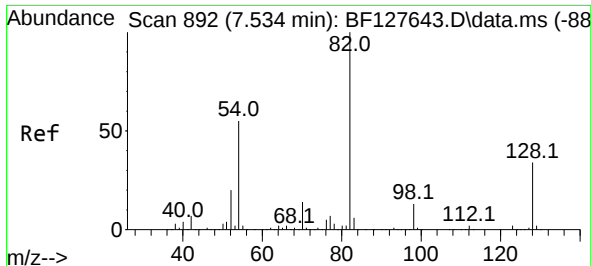
Tgt Ion: 70 Resp: 16383
Ion Ratio Lower Upper
70 100
42 49.8 53.0 79.6#
101 0.0 6.8 10.2#
130 1.6 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion: 136 Resp: 470759
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 7.9 9.2 13.8#
68 5.6 5.4 8.0





#23

Nitrobenzene-d5

Concen: 11.833 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.024 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

Instrument :

BNA_F

ClientSampleId :

TR-06-041422

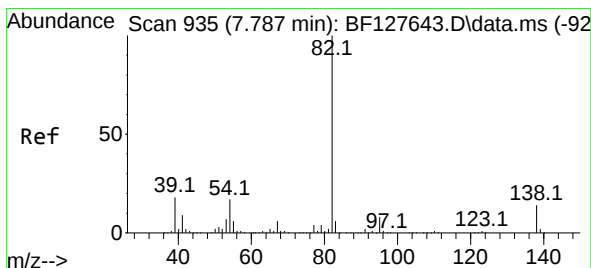
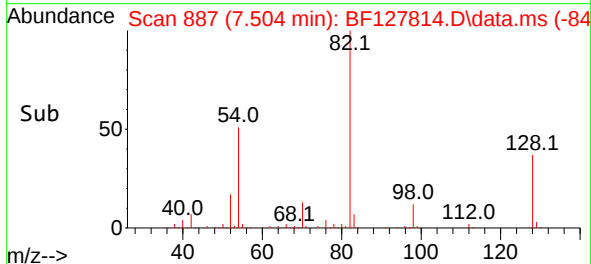
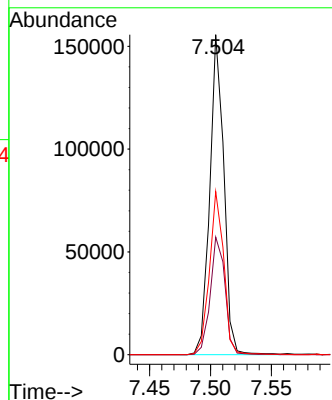
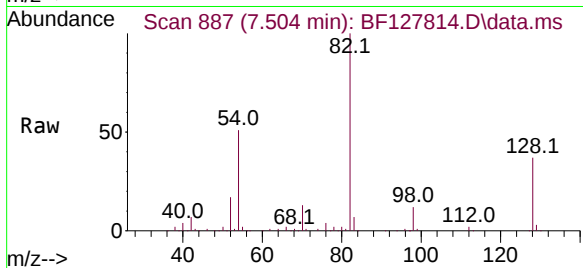
Tgt Ion: 82 Resp: 124949

Ion Ratio Lower Upper

82 100

128 36.8 30.6 45.8

54 51.0 48.2 72.2



#25

Isophorone

Concen: 6.704 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.282 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

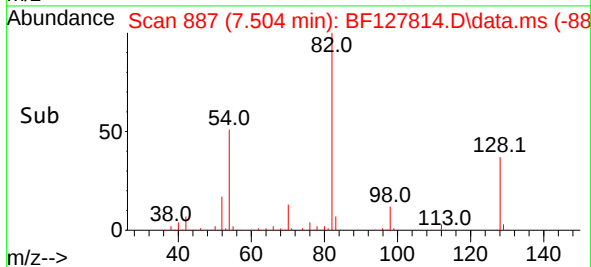
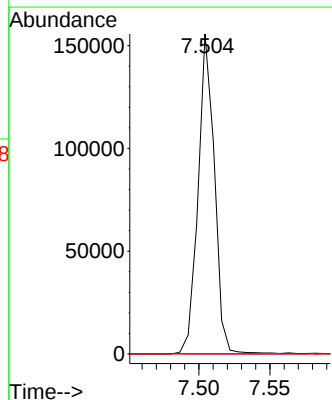
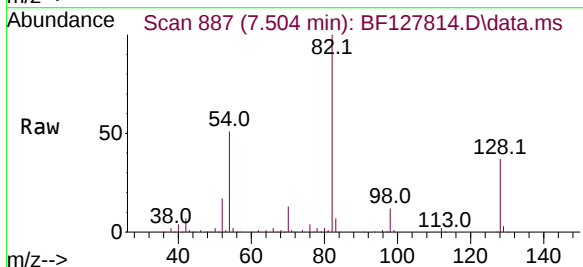
Tgt Ion: 82 Resp: 123521

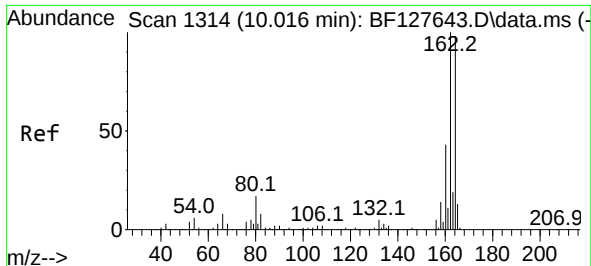
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

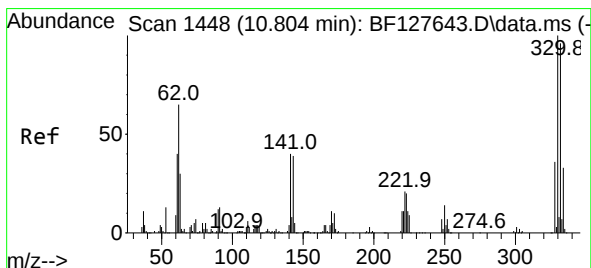
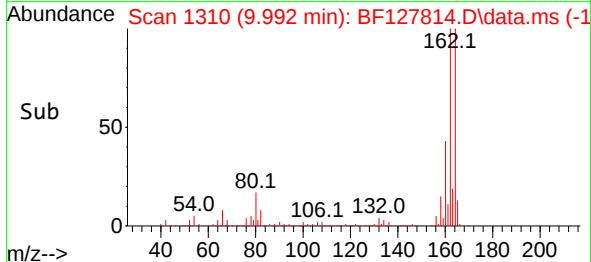
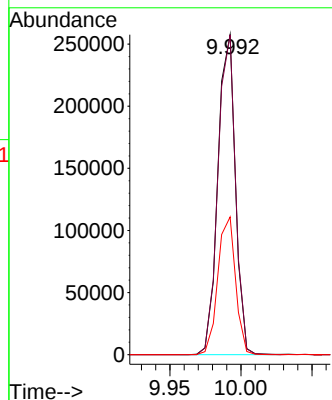
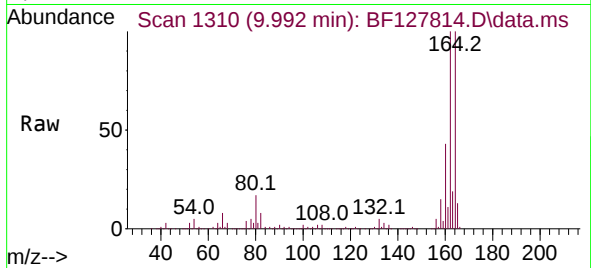




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

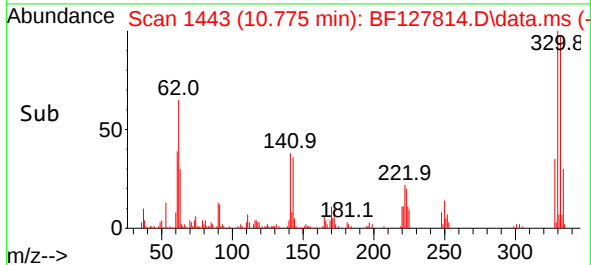
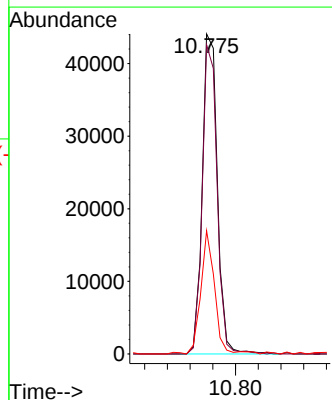
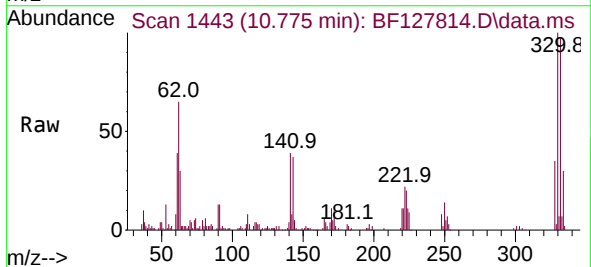
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

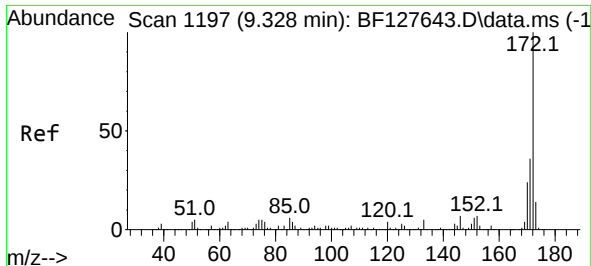
Tgt Ion:164 Resp: 220133
Ion Ratio Lower Upper
164 100
162 100.0 81.2 121.8
160 43.1 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 17.435 ng
RT: 10.775 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:330 Resp: 40843
Ion Ratio Lower Upper
330 100
332 94.6 79.1 118.7
141 35.5 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 13.603 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

Instrument :

BNA_F

ClientSampleId :

TR-06-041422

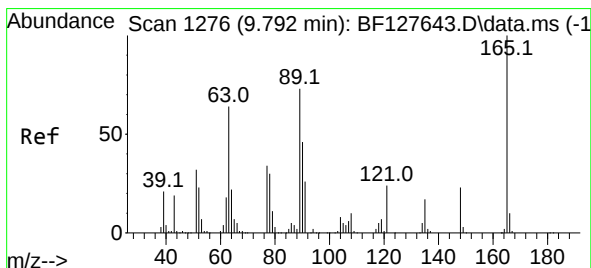
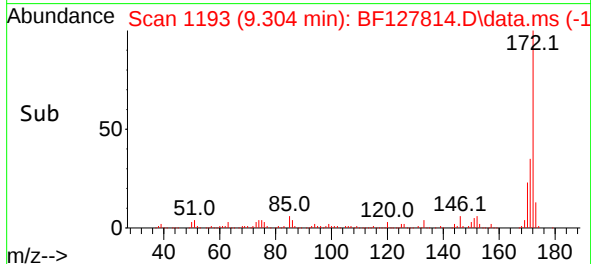
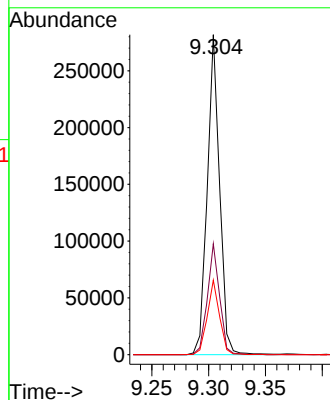
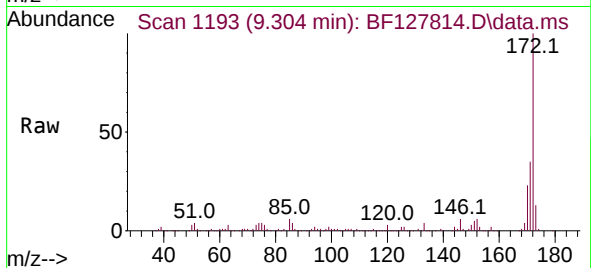
Tgt Ion:172 Resp: 211681

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.3 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.422 ng

RT: 9.992 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

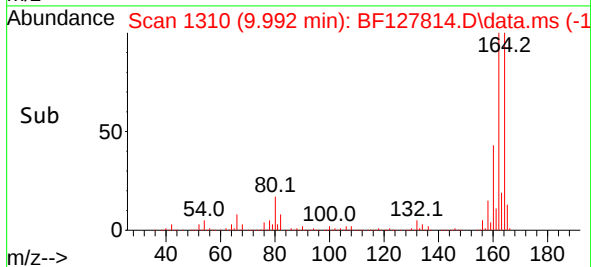
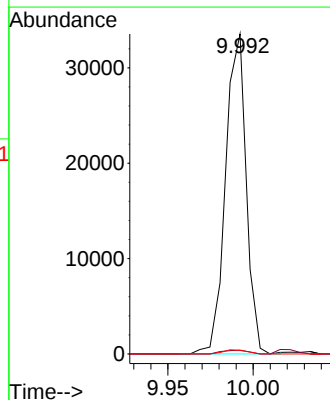
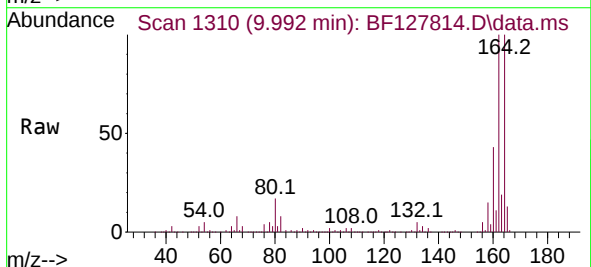
Tgt Ion:165 Resp: 28338

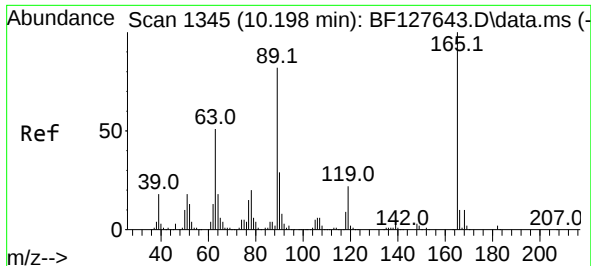
Ion Ratio Lower Upper

165 100

63 1.2 58.3 87.5#

89 1.1 51.5 77.3#

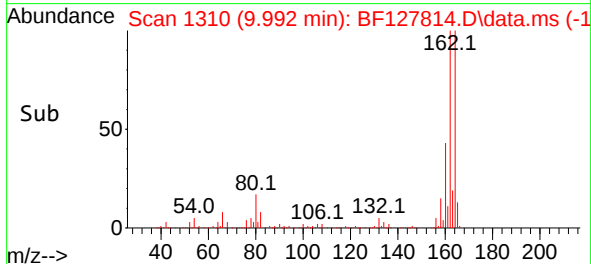
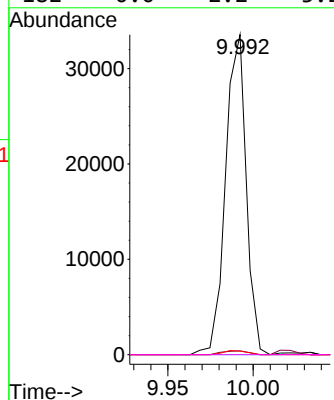
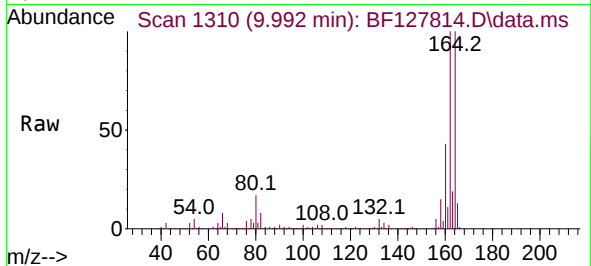




#57
2,4-Dinitrotoluene
Concen: 7.599 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

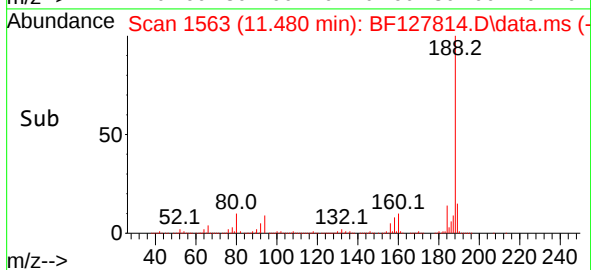
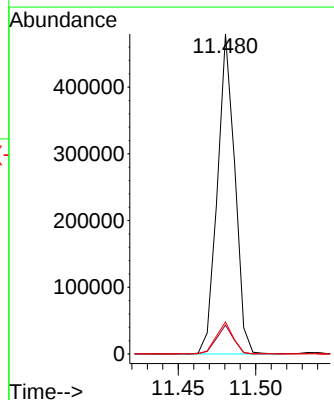
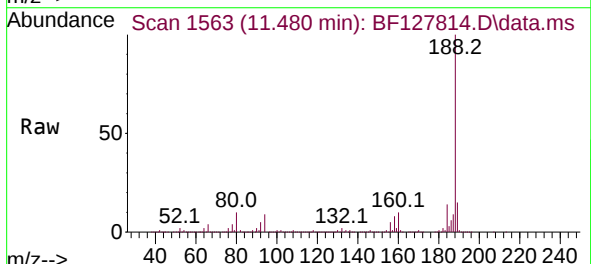
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

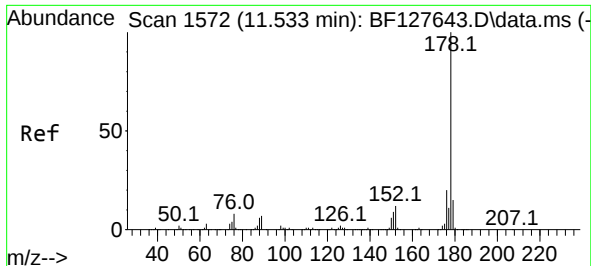
Tgt Ion:165 Resp: 28338
Ion Ratio Lower Upper
165 100
63 1.2 53.1 79.7#
89 1.1 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:188 Resp: 375829
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.0
80 10.0 8.0 12.0

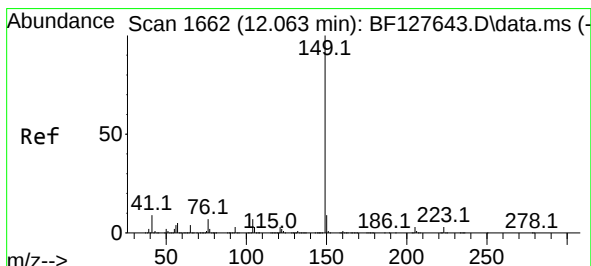
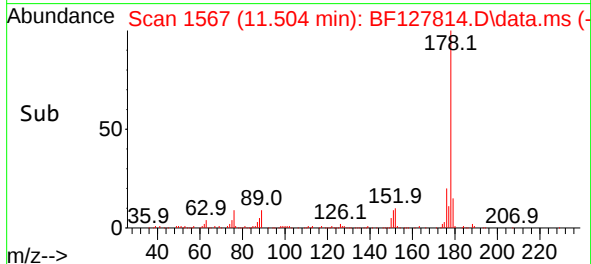
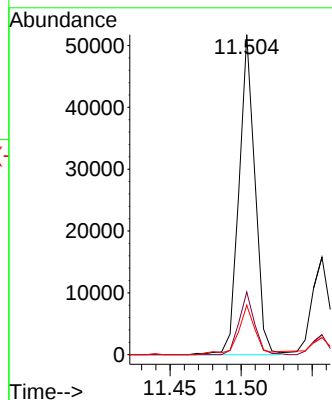
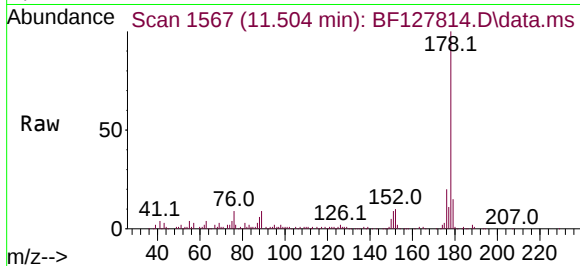




#71
Phenanthrene
Concen: 2.037 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

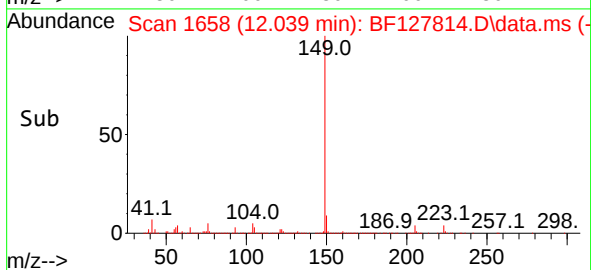
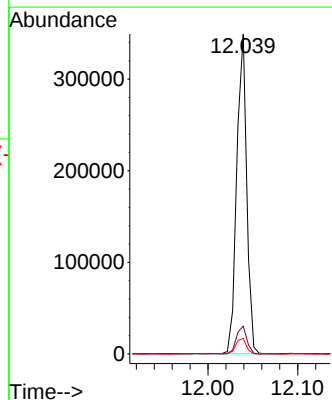
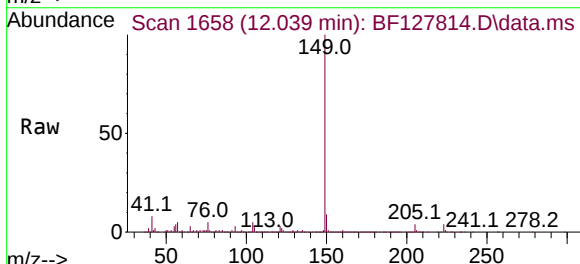
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

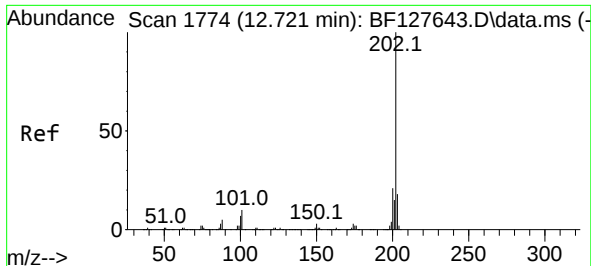
Tgt Ion:178 Resp: 40571
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.4 18.6



#74
Di-n-butylphthalate
Concen: 12.190 ng
RT: 12.039 min Scan# 1658
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:149 Resp: 268958
Ion Ratio Lower Upper
149 100
150 8.7 7.5 11.3
104 4.8 4.2 6.2

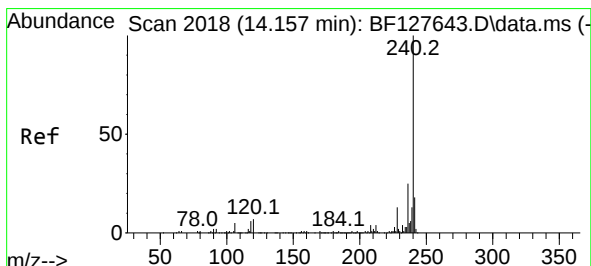
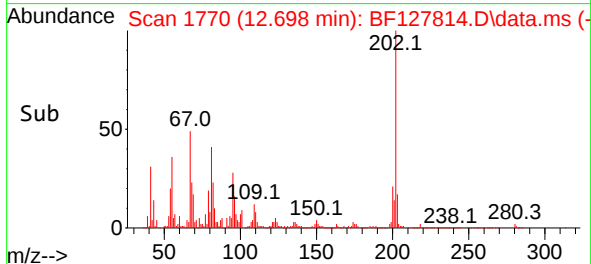
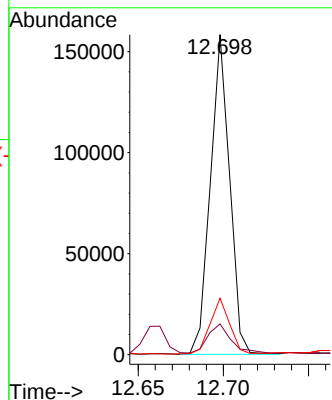
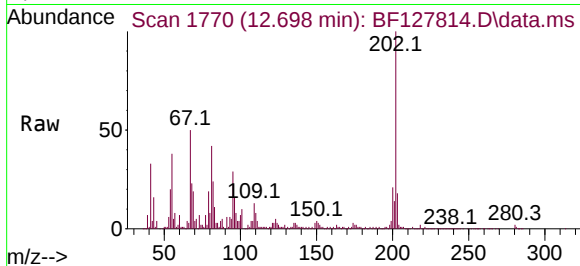




#75
Fluoranthene
Concen: 5.724 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

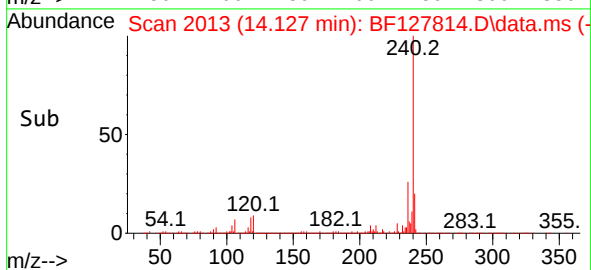
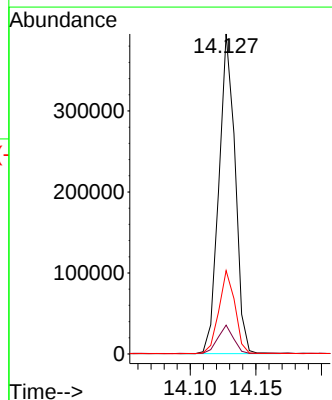
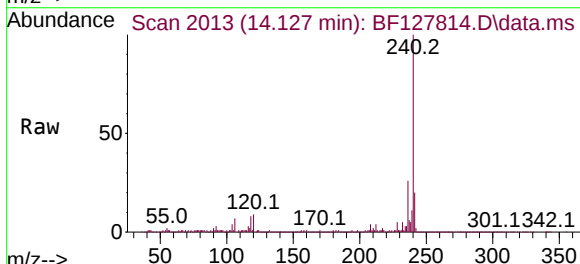
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

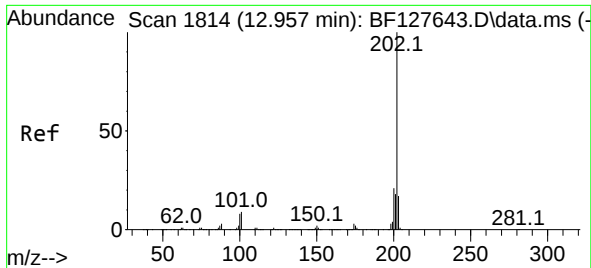
Tgt Ion:202 Resp: 124380
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:240 Resp: 338209
Ion Ratio Lower Upper
240 100
120 9.0 7.1 10.7
236 26.1 20.7 31.1

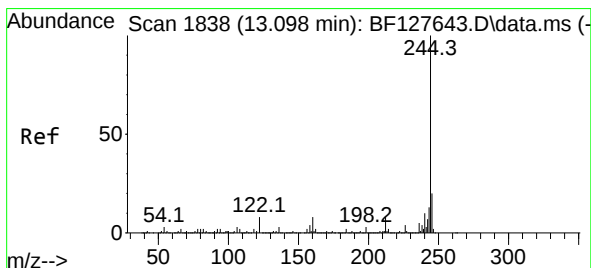
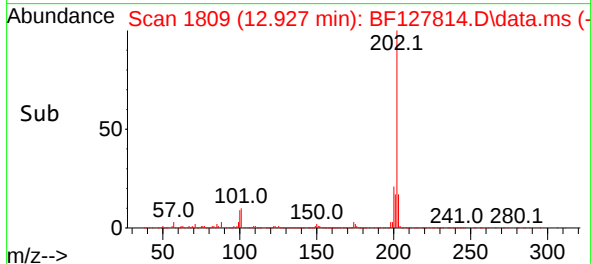
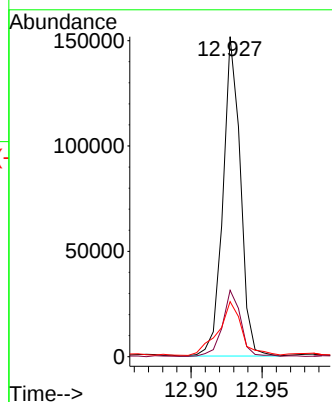
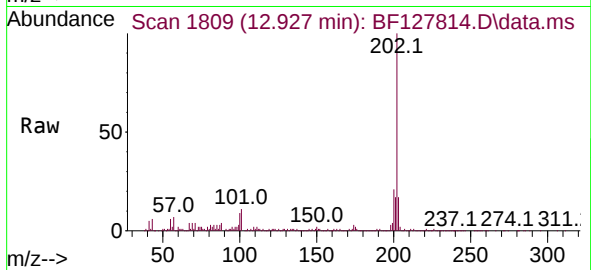




#78
Pyrene
Concen: 4.521 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.018 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

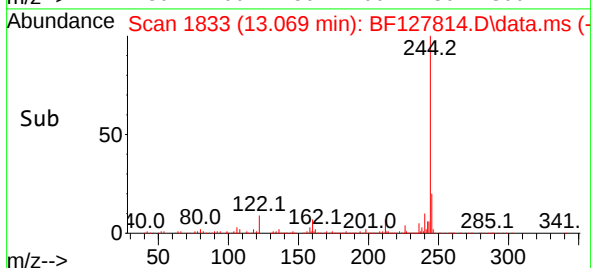
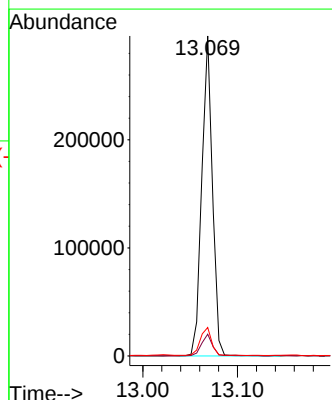
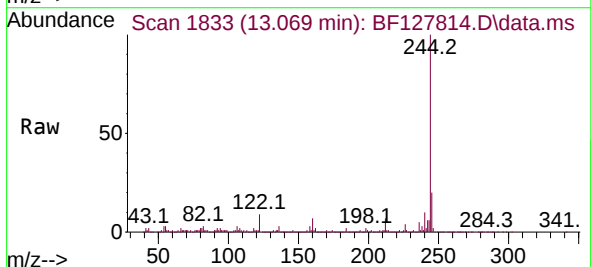
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

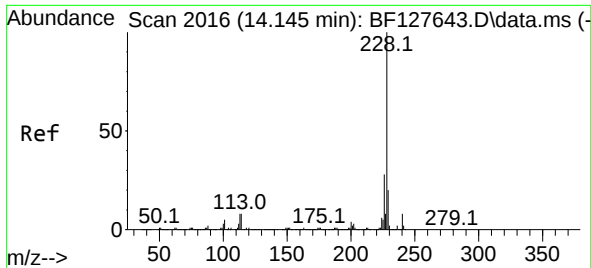
Tgt Ion:202 Resp: 129127
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.2 14.3 21.5



#79
Terphenyl-d14
Concen: 11.328 ng
RT: 13.069 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:244 Resp: 232120
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 8.9 6.2 9.2





#81

Benzo(a)anthracene

Concen: 2.816 ng

RT: 14.116 min Scan# 2011

Delta R.T. -0.018 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

Instrument :

BNA_F

ClientSampleId :

TR-06-041422

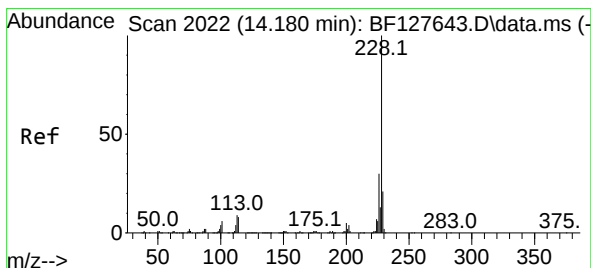
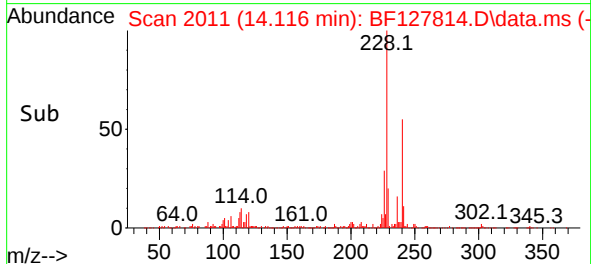
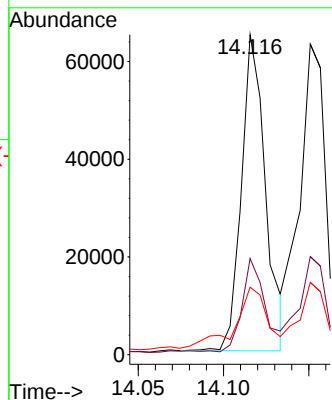
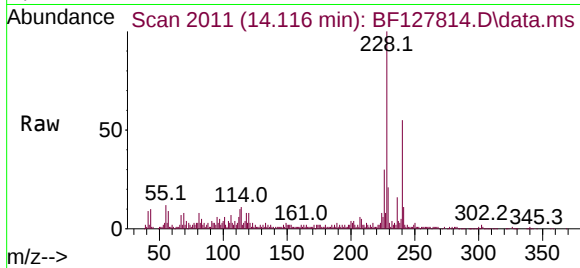
Tgt Ion:228 Resp: 63617

Ion Ratio Lower Upper

228 100

226 30.1 21.6 32.4

229 21.1 15.4 23.2



#83

Chrysene

Concen: 2.934 ng

RT: 14.116 min Scan# 2011

Delta R.T. -0.053 min

Lab File: BF127814.D

Acq: 15 Apr 2022 20:21

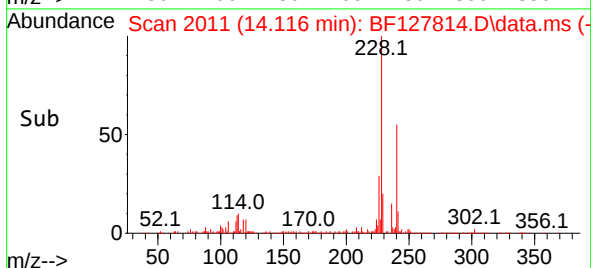
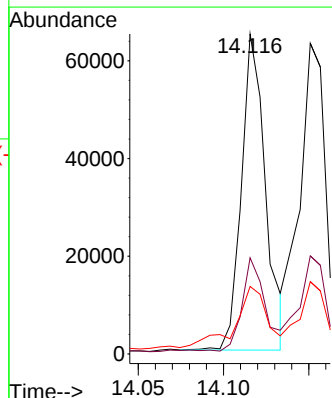
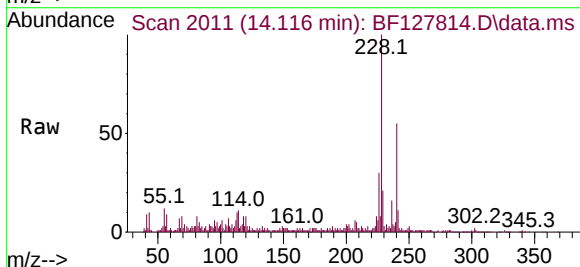
Tgt Ion:228 Resp: 63617

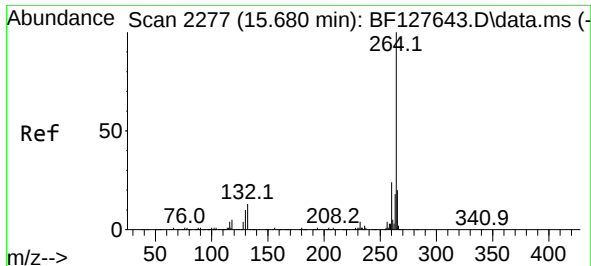
Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 21.1 15.4 23.2

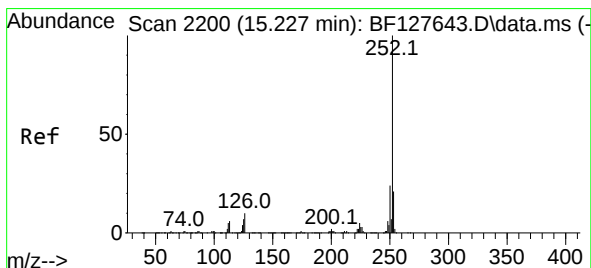
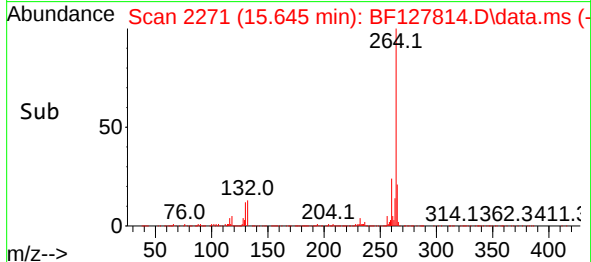
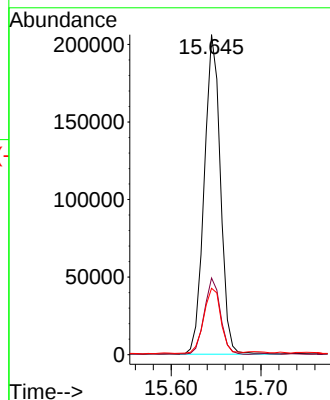
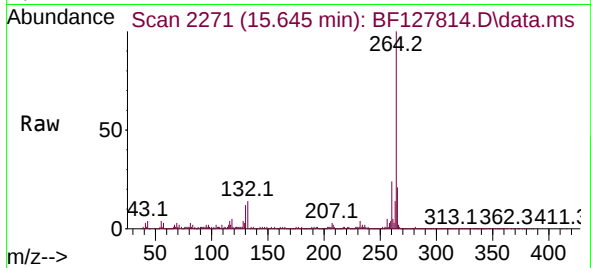




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 2194
 Delta R.T. -0.018 min
 Lab File: BF127814.D
 Acq: 15 Apr 2022 20:21

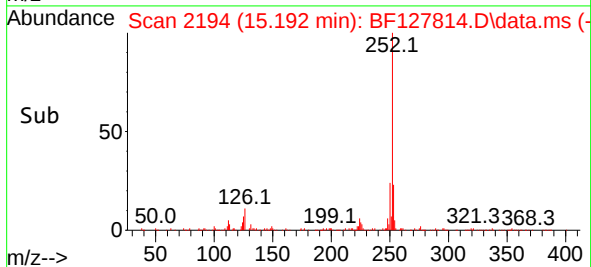
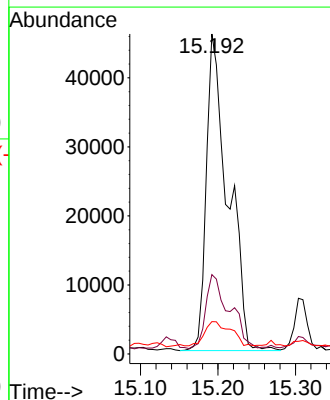
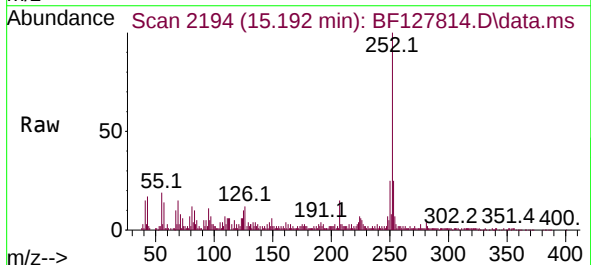
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-041422

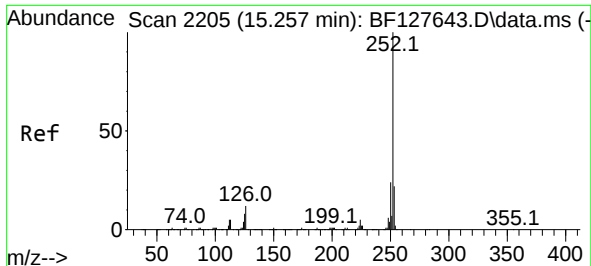
Tgt Ion:264 Resp: 258062
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.1 28.7
 265 20.8 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.375 ng
 RT: 15.192 min Scan# 2194
 Delta R.T. -0.018 min
 Lab File: BF127814.D
 Acq: 15 Apr 2022 20:21

Tgt Ion:252 Resp: 89237
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.9 26.9
 125 10.1 7.0 10.4

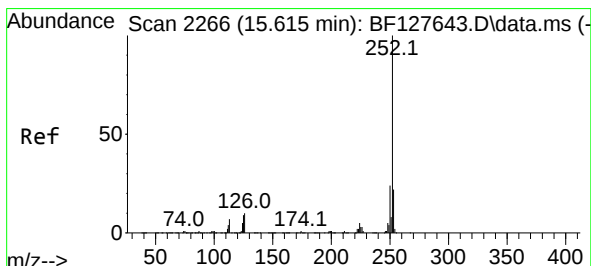
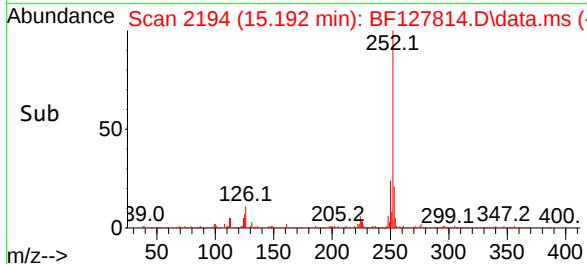
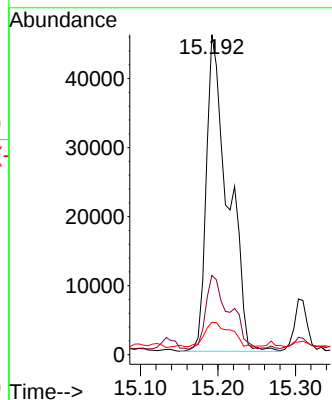
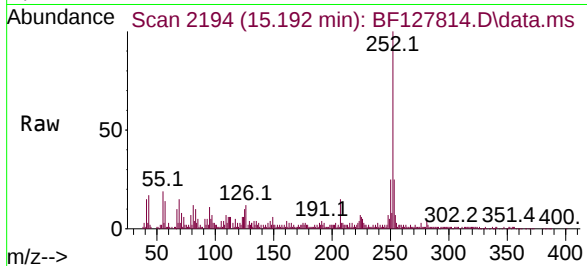




#89
Benzo(k)fluoranthene
Concen: 5.420 ng
RT: 15.192 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

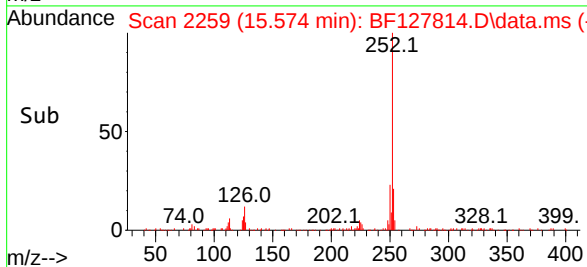
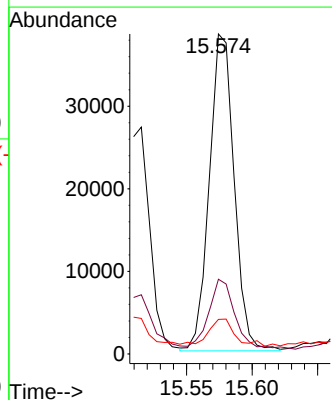
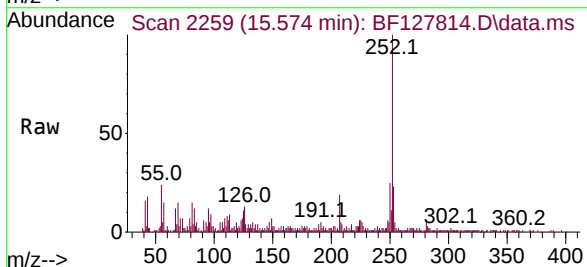
Instrument :
BNA_F
ClientSampleId :
TR-06-041422

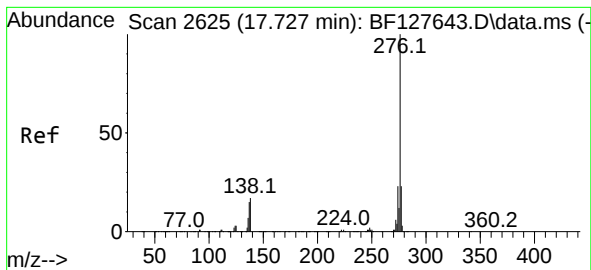
Tgt Ion:252 Resp: 89237
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 10.1 6.9 10.3



#90
Benzo(a)pyrene
Concen: 3.744 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.024 min
Lab File: BF127814.D
Acq: 15 Apr 2022 20:21

Tgt Ion:252 Resp: 50520
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 10.8 6.7 10.1#





#92

Benzo(g,h,i)perylene

Concen: 2.217 ng

RT: 17.662 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF127814.D

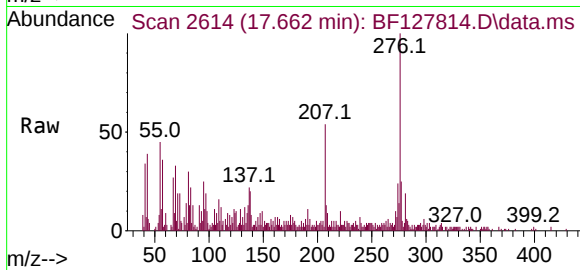
Acq: 15 Apr 2022 20:21

Instrument :

BNA_F

ClientSampleId :

TR-06-041422



Tgt Ion:276 Resp: 29693

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.4

138 20.0 14.6 22.0

