

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
 Data File : BF125117.D
 Acq On : 19 Aug 2021 16:38
 Operator : JU/CG
 Sample : M3449-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Quant Time: Aug 19 18:24:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 17:03:50 2021
 Response via : Initial Calibration

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

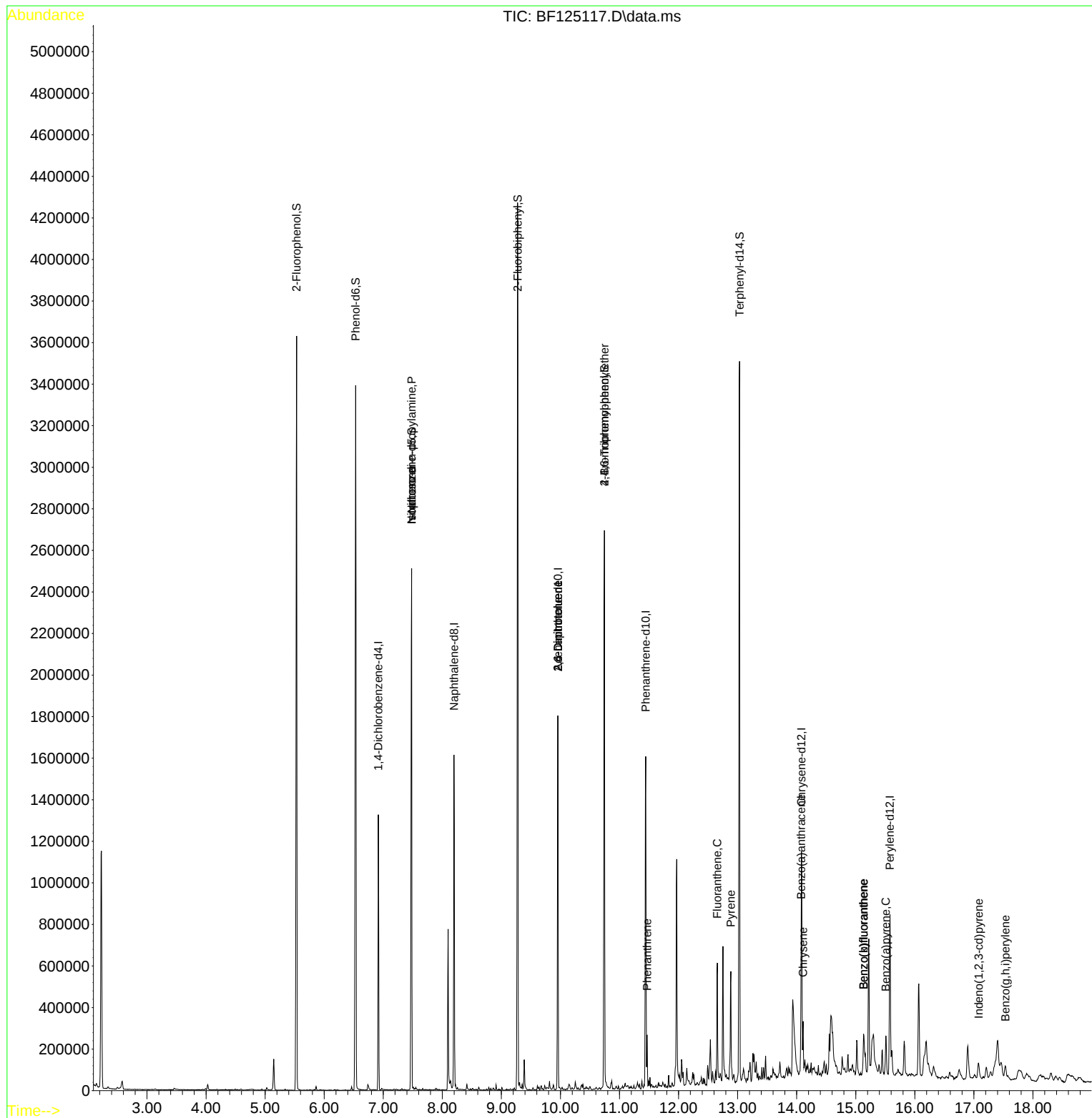
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	172648	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	658413	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	341254	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	588966	20.000	ng	0.00
76) Chrysene-d12	14.080	240	351792	20.000	ng	0.00
86) Perylene-d12	15.580	264	346664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	921270	80.767	ng	0.00
7) Phenol-d6	6.534	99	1174304	79.602	ng	0.00
23) Nitrobenzene-d5	7.481	82	785837	60.087	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	321365	94.340	ng	0.00
45) 2-Fluorobiphenyl	9.274	172	1392501	56.872	ng	0.00
79) Terphenyl-d14	13.033	244	1289497	58.395	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	108546	12.233	ng	# 58
25) Isophorone	7.481	82	783968	31.073	ng	# 59
51) 2,6-Dinitrotoluene	9.957	165	44170	8.614	ng	# 28
57) 2,4-Dinitrotoluene	9.957	165	44170	7.117	ng	# 19
67) 4-Bromophenyl-phenylether	10.745	248	20328	2.874	ng	# 1
71) Phenanthrene	11.468	178	91604	2.823	ng	100
75) Fluoranthene	12.657	202	210963	6.552	ng	98
78) Pyrene	12.886	202	215730	7.149	ng	99
81) Benzo(a)anthracene	14.074	228	92175	3.637	ng	94
83) Chrysene	14.109	228	101973	4.068	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	54444	2.180	ng	# 92
88) Benzo(b)fluoranthene	15.133	252	149913	5.919	ng	97
89) Benzo(k)fluoranthene	15.133	252	149913	6.343	ng	98
90) Benzo(a)pyrene	15.509	252	83685	3.741	ng	98
92) Benzo(g,h,i)perylene	17.533	276	52590	2.527	ng	95

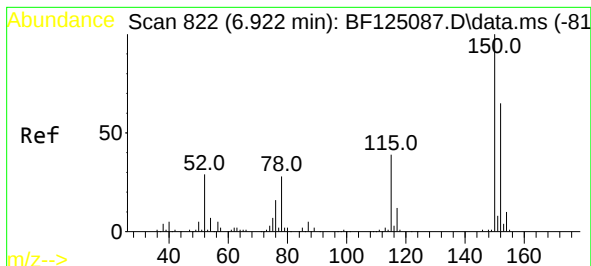
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125117.D
Acq On : 19 Aug 2021 16:38
Operator : JU/CG
Sample : M3449-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP6

Quant Time: Aug 19 18:24:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 18 17:03:50 2021
Response via : Initial Calibration

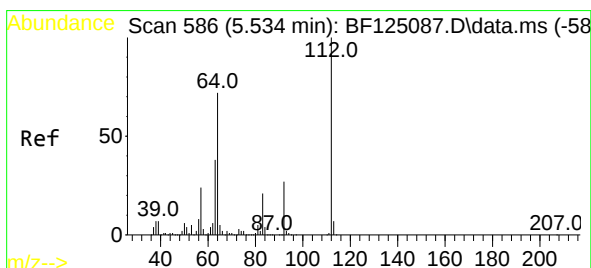
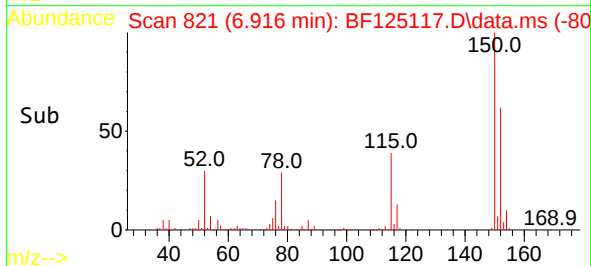
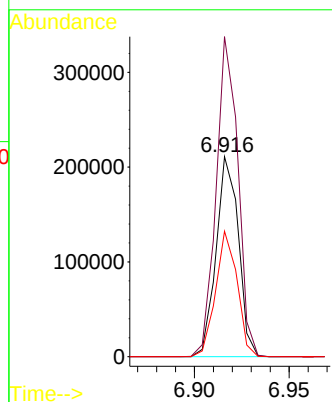
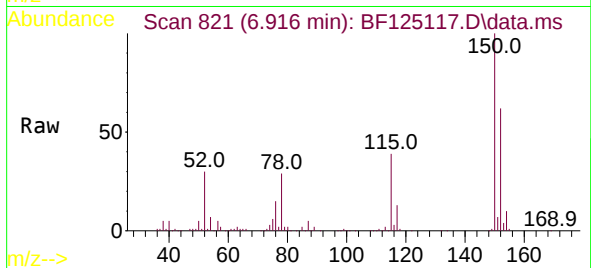




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

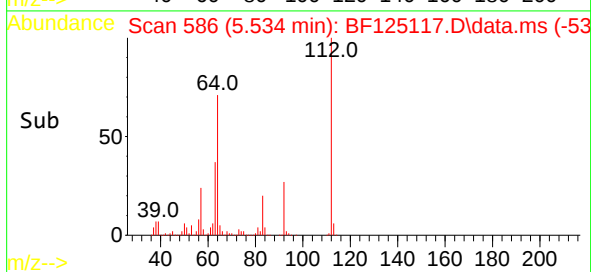
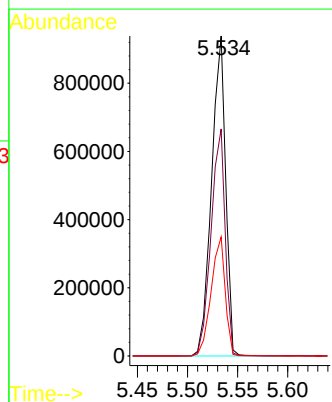
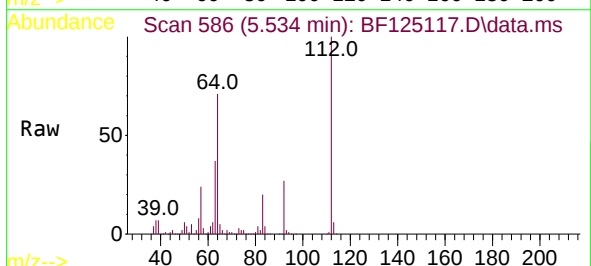
Instrument :
BNA_F
ClientSampleId :
TP6

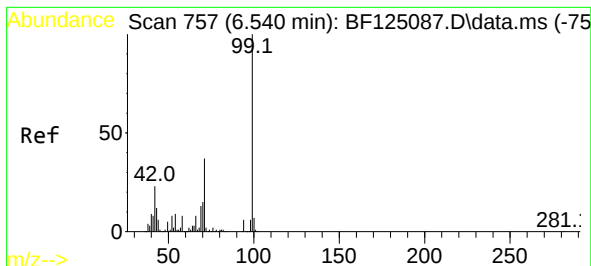
Tgt Ion:152 Resp: 172648
Ion Ratio Lower Upper
152 100
150 160.0 117.6 176.4
115 62.7 47.1 70.7



#5
2-Fluorophenol
Concen: 80.767 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:112 Resp: 921270
Ion Ratio Lower Upper
112 100
64 70.9 44.2 66.2#
63 37.2 26.2 39.2





#7

Phenol-d6

Concen: 79.602 ng

RT: 6.534 min Scan# 756

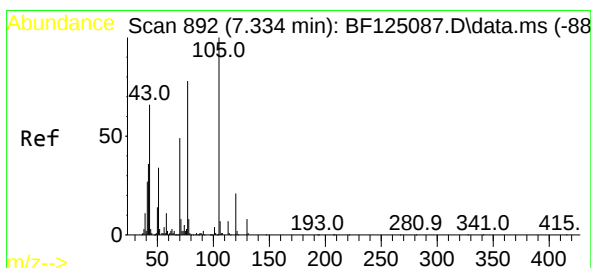
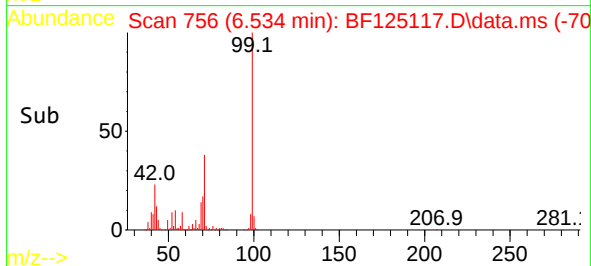
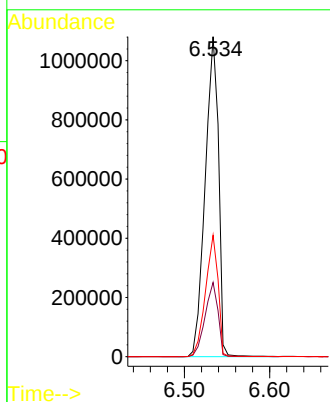
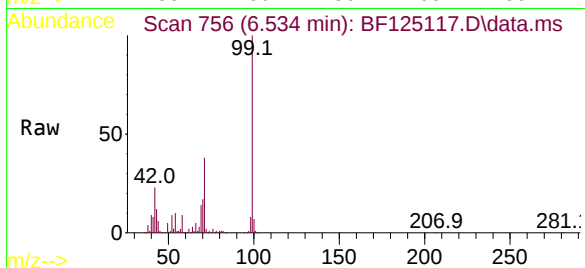
Delta R.T. -0.006 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

Tgt Ion: 99 Resp: 1174304

Ion	Ratio	Lower	Upper
99	100		
42	23.2	23.5	35.3#
71	37.9	25.6	38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.233 ng

RT: 7.481 min Scan# 917

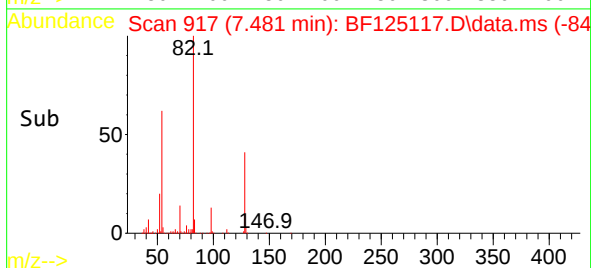
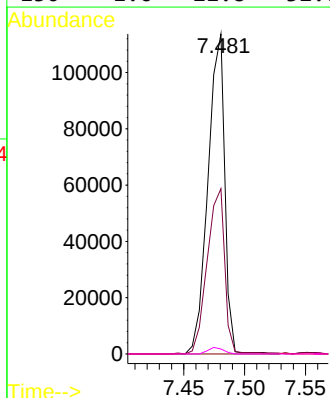
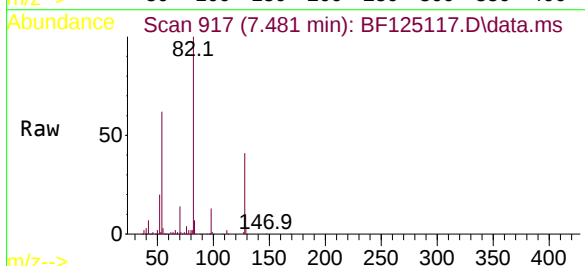
Delta R.T. 0.147 min

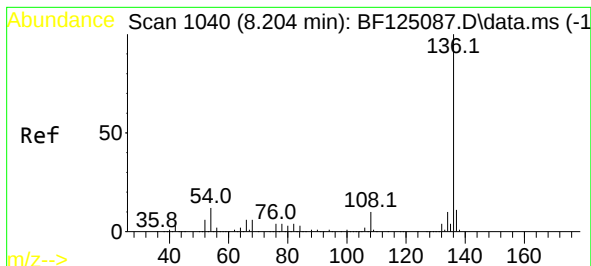
Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

Tgt Ion: 70 Resp: 108546

Ion	Ratio	Lower	Upper
70	100		
42	51.6	72.2	108.2#
101	0.0	7.8	11.8#
130	1.6	21.8	32.6#

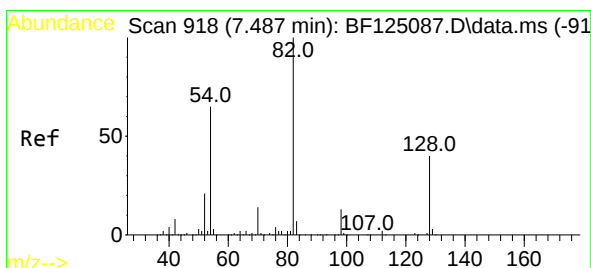
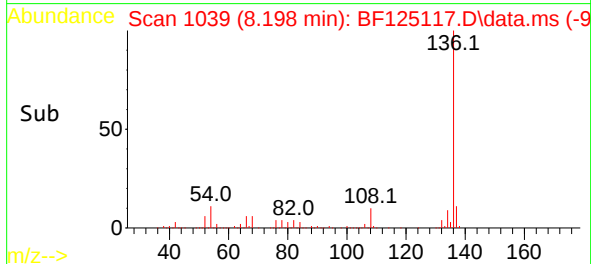
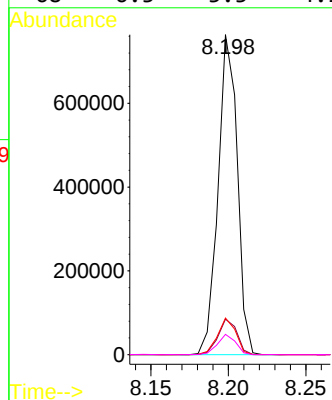
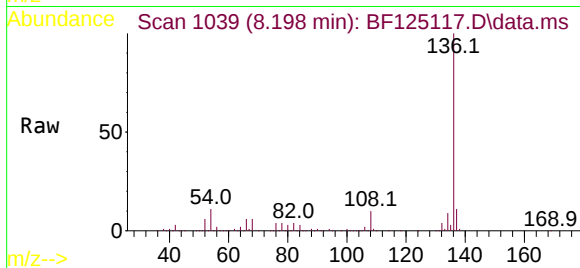




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

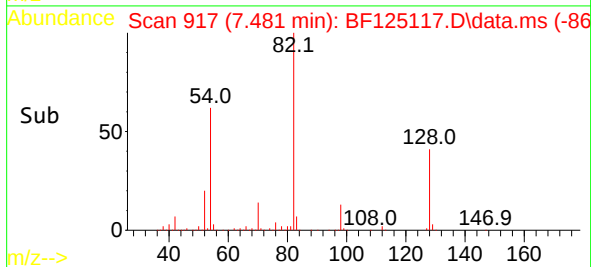
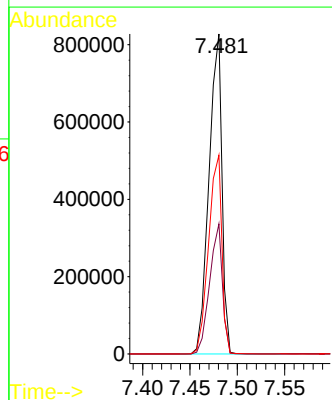
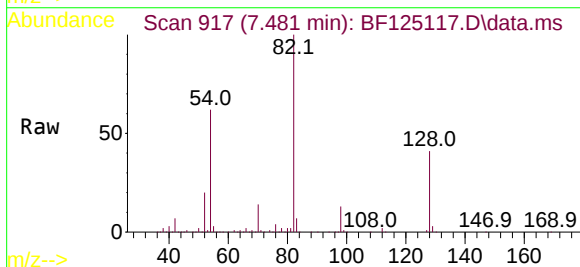
Instrument :
BNA_F
ClientSampleId :
TP6

Tgt Ion:	136	Resp:	658413
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.6
54	11.5	6.4	9.6#
68	6.3	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 60.087 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:	82	Resp:	785837
Ion Ratio	Lower	Upper	
82	100		
128	40.7	40.6	60.8
54	62.1	49.6	74.4

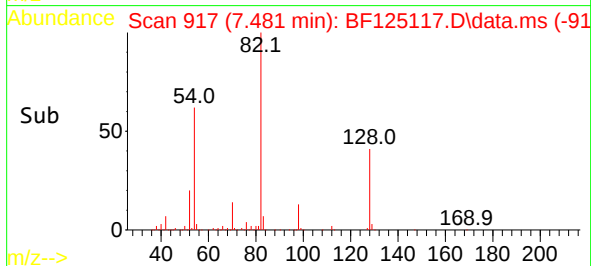
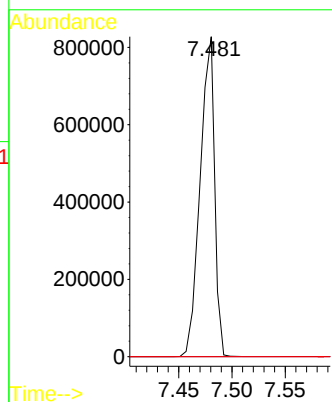
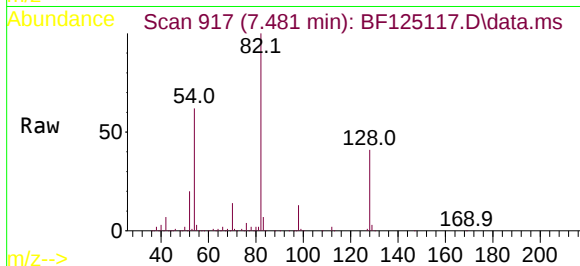




#25
Isophorone
Concen: 31.073 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.265 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

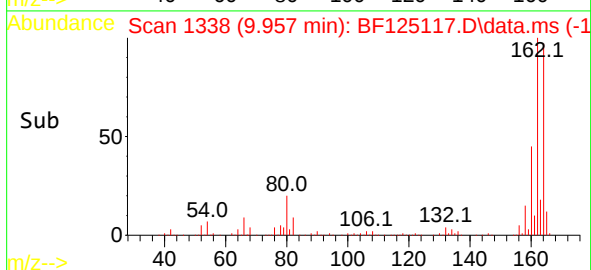
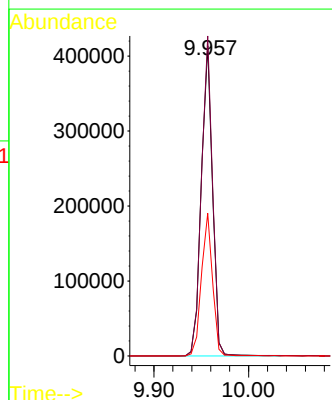
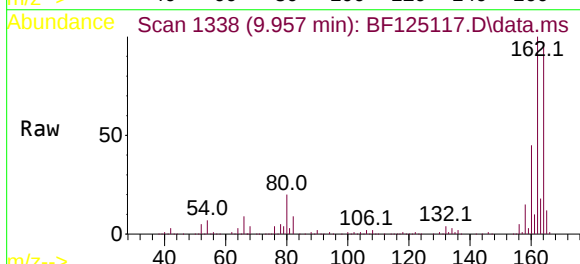
Instrument :
BNA_F
ClientSampleId :
TP6

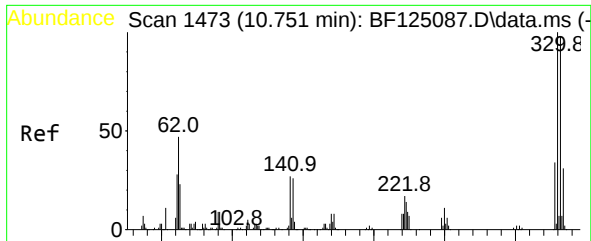
Tgt Ion: 82 Resp: 783968
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:164 Resp: 341254
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 46.0 38.0 57.0

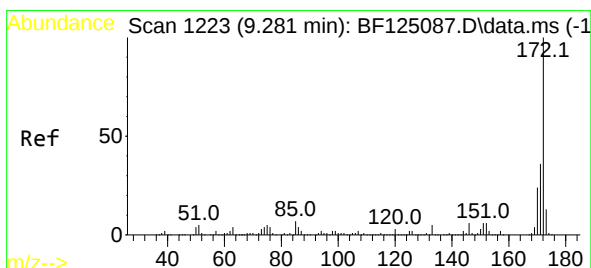
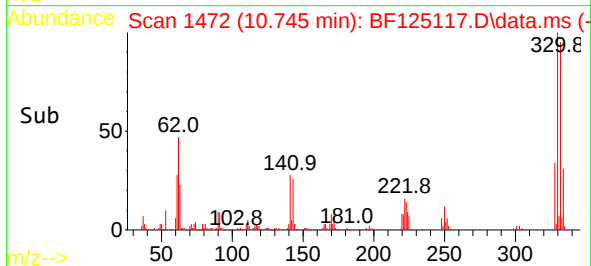
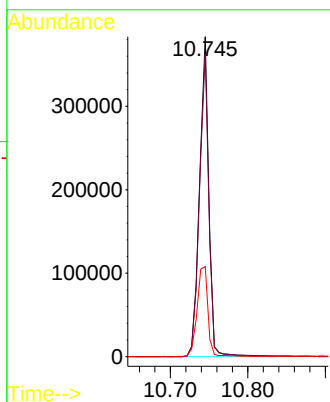
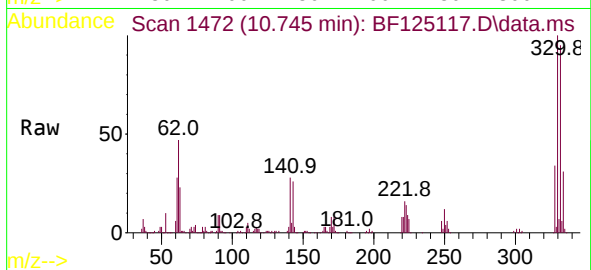




#42
2,4,6-Tribromophenol
Concen: 94.340 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

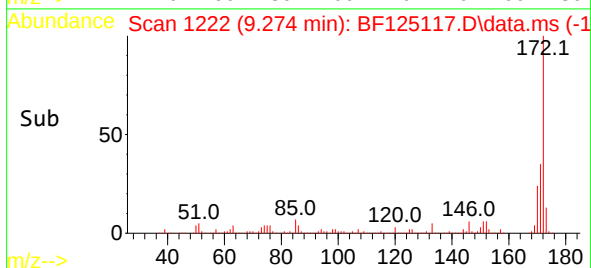
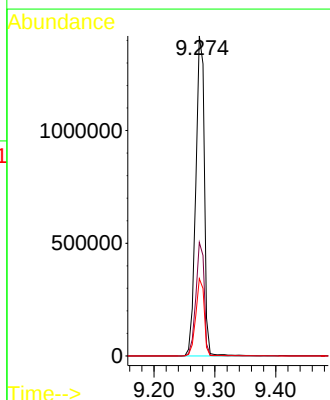
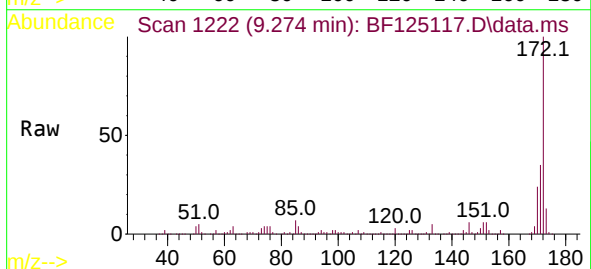
Instrument :
BNA_F
ClientSampleId :
TP6

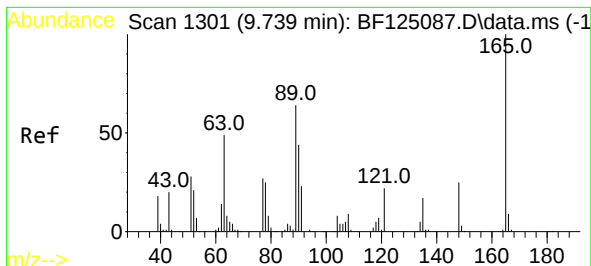
Tgt Ion: 330 Resp: 321365
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 32.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 56.872 ng
RT: 9.274 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion: 172 Resp: 1392501
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 24.1 18.8 28.2

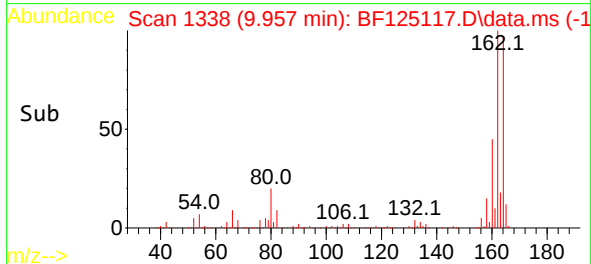
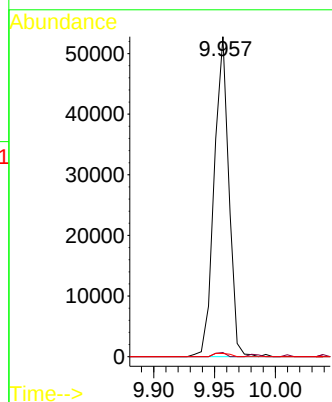
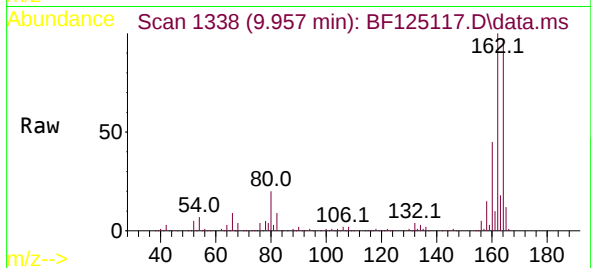




#51
2,6-Dinitrotoluene
Concen: 8.614 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.217 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

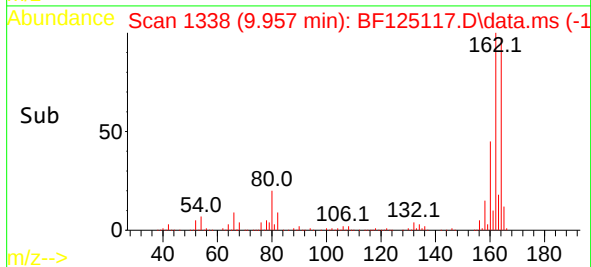
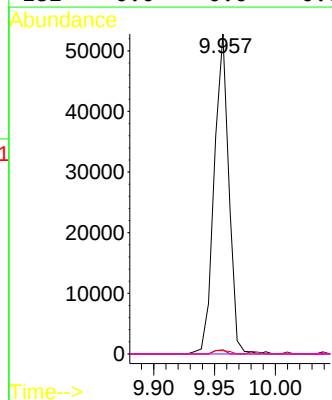
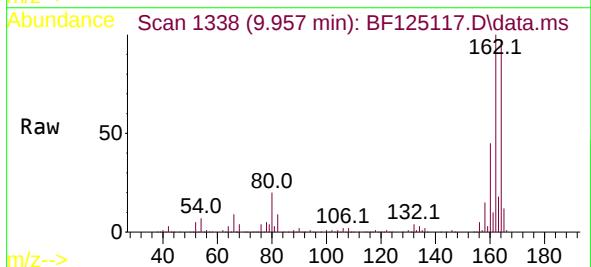
Instrument :
BNA_F
ClientSampled :
TP6

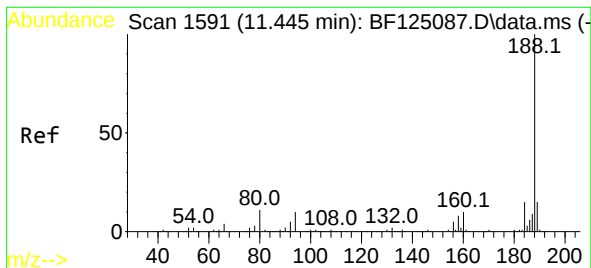
Tgt Ion:165 Resp: 44170
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.117 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:165 Resp: 44170
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0

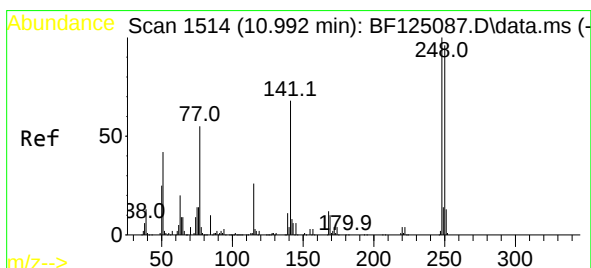
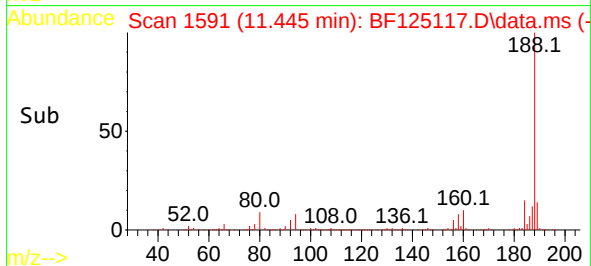
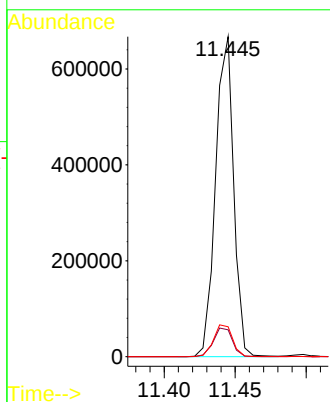
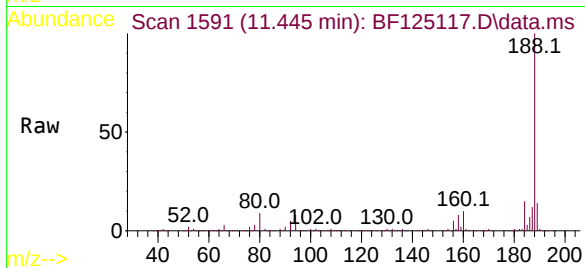




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

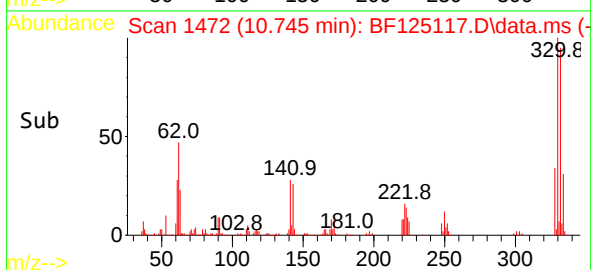
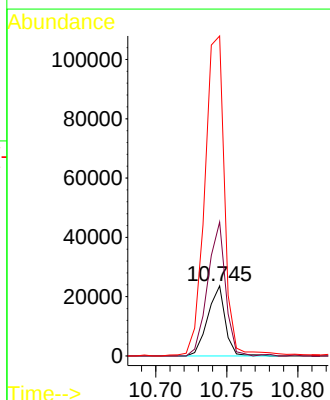
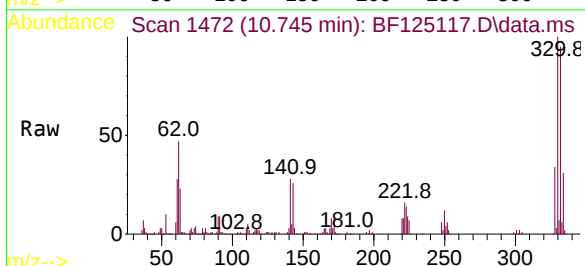
Instrument :
BNA_F
ClientSampleId :
TP6

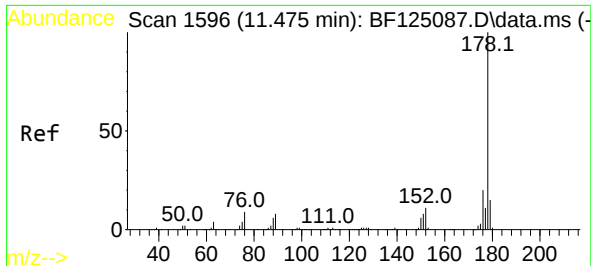
Tgt Ion:188 Resp: 588966
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.4 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.874 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.247 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:248 Resp: 20328
Ion Ratio Lower Upper
248 100
250 191.0 74.2 111.4#
141 456.5 60.4 90.6#

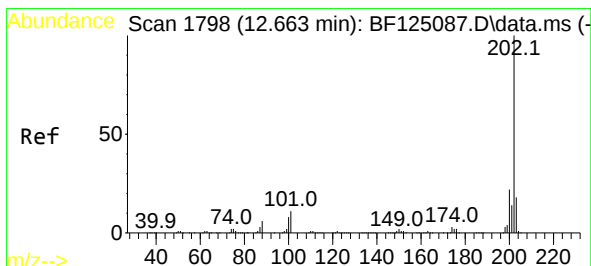
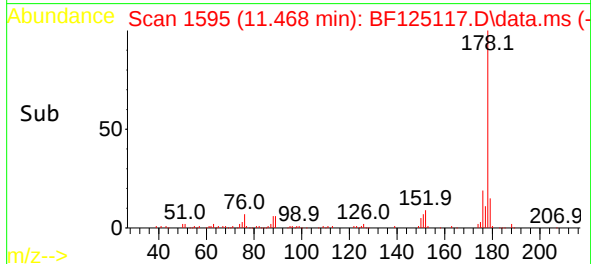
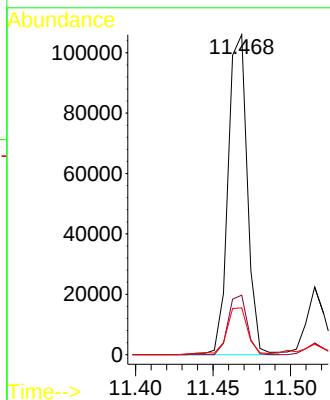
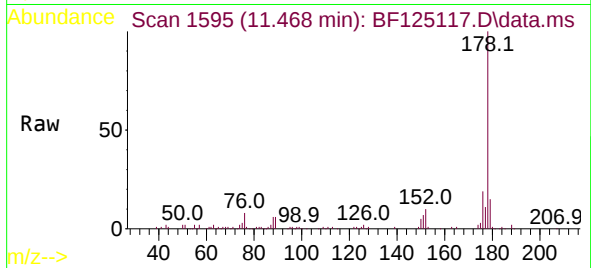




#71
Phenanthrene
Concen: 2.823 ng
RT: 11.468 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

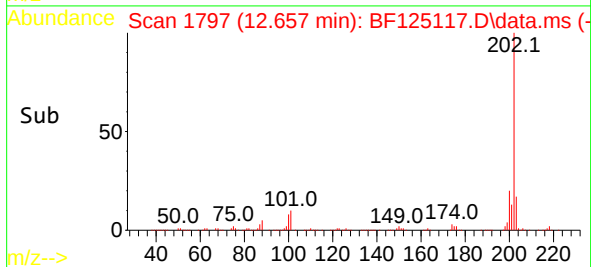
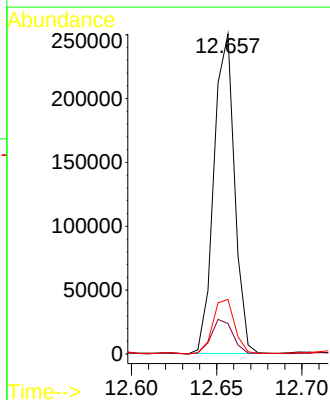
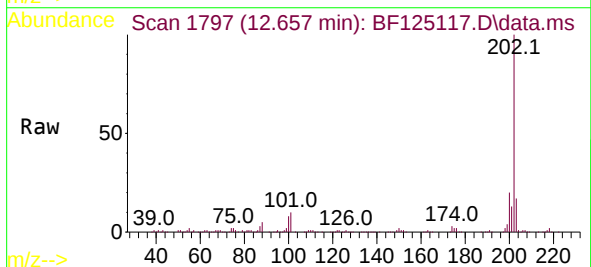
Instrument :
BNA_F
ClientSampleId :
TP6

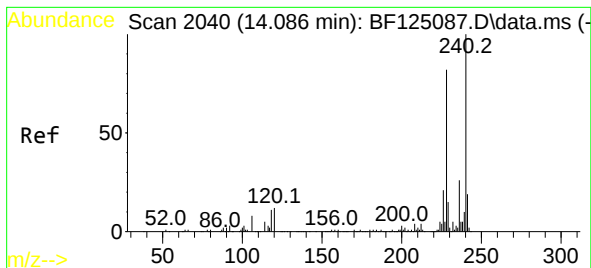
Tgt Ion:178 Resp: 91604
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 14.6 11.5 17.3



#75
Fluoranthene
Concen: 6.552 ng
RT: 12.657 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:202 Resp: 210963
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.7
203 17.0 0.0 36.3

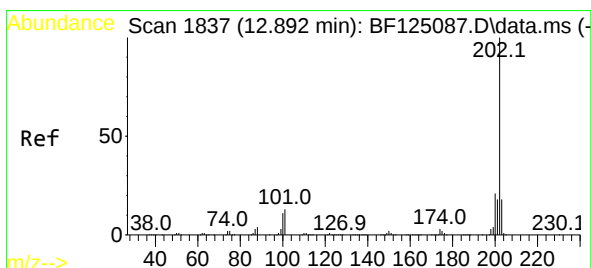
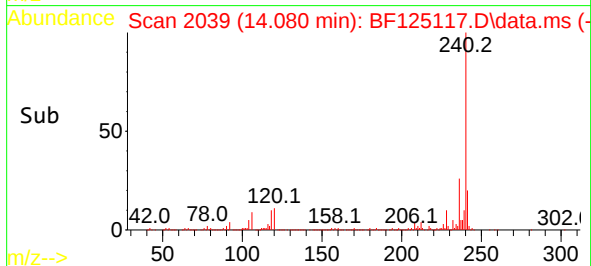
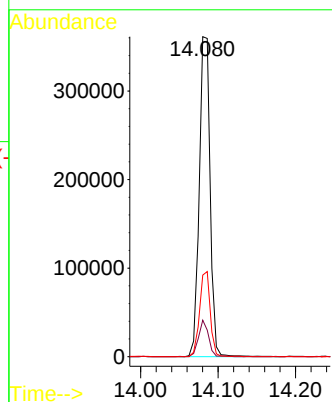
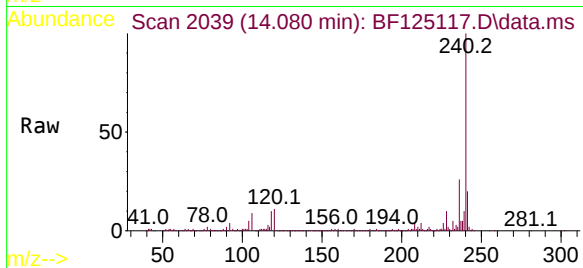




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

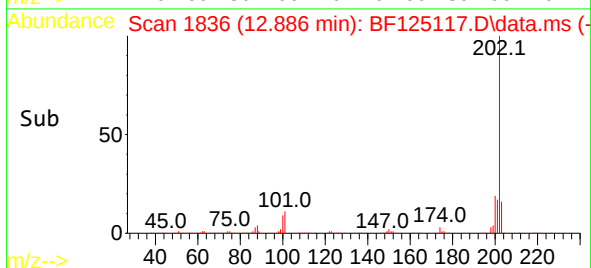
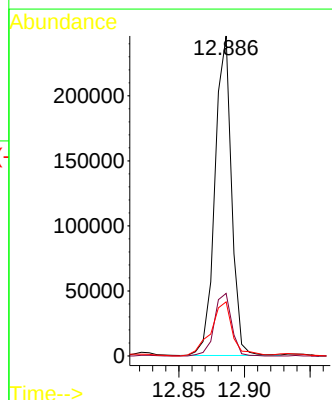
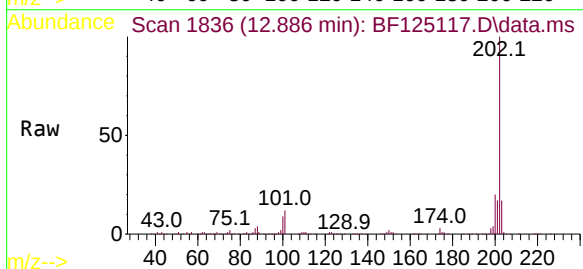
Instrument :
BNA_F
ClientSampled :
TP6

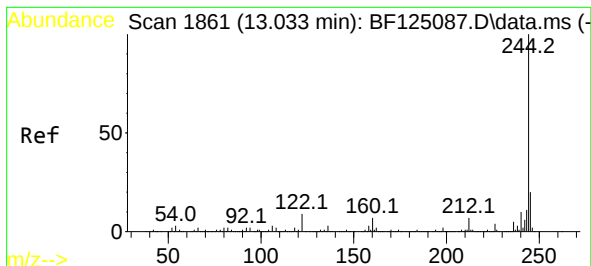
Tgt Ion:240 Resp: 351792
Ion Ratio Lower Upper
240 100
120 11.4 10.8 16.2
236 25.5 21.6 32.4



#78
Pyrene
Concen: 7.149 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

Tgt Ion:202 Resp: 215730
Ion Ratio Lower Upper
202 100
200 19.6 15.3 22.9
203 16.9 13.4 20.0





#79

Terphenyl-d14

Concen: 58.395 ng

RT: 13.033 min Scan# 1861

Delta R.T. -0.000 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

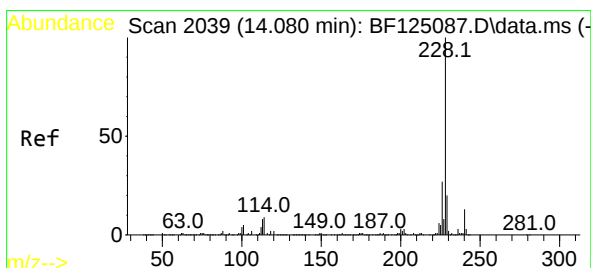
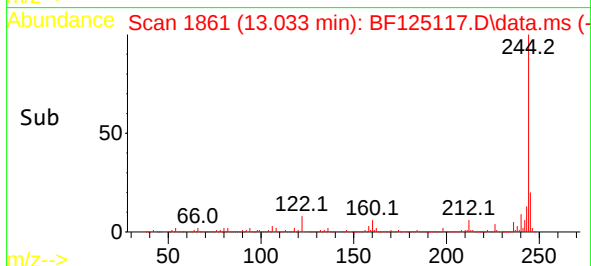
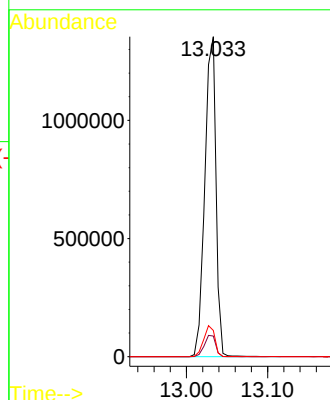
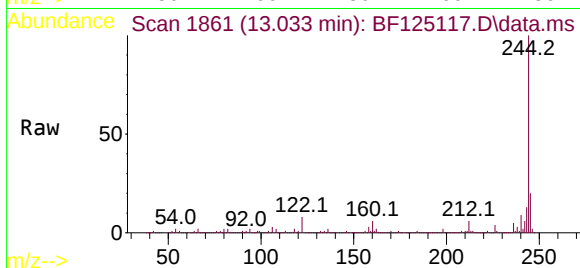
Tgt Ion:244 Resp: 1289497

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 8.2 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 3.637 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

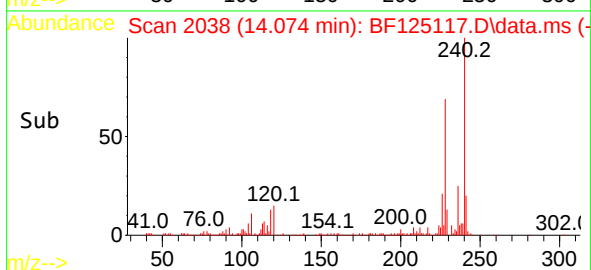
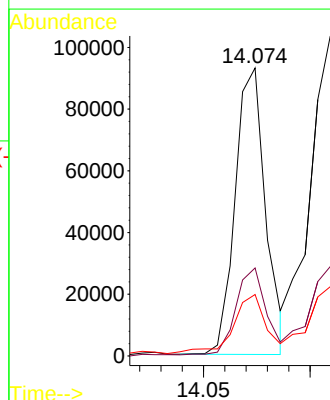
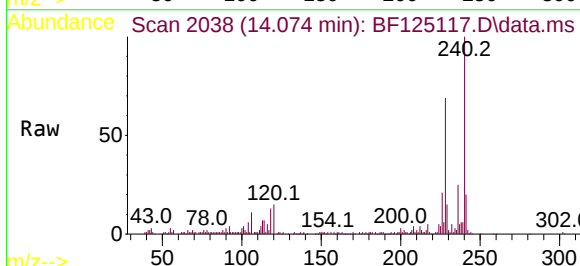
Tgt Ion:228 Resp: 92175

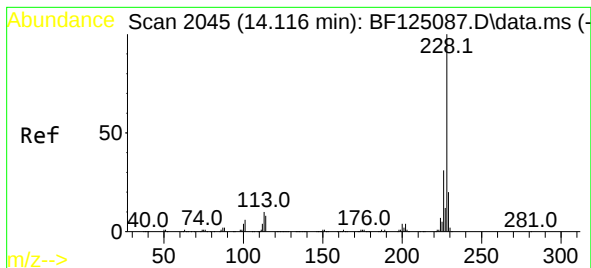
Ion Ratio Lower Upper

228 100

226 30.5 21.6 32.4

229 21.3 15.6 23.4





#83

Chrysene

Concen: 4.068 ng

RT: 14.109 min Scan# 2044

Delta R.T. -0.006 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

Tgt Ion:228 Resp: 101973

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

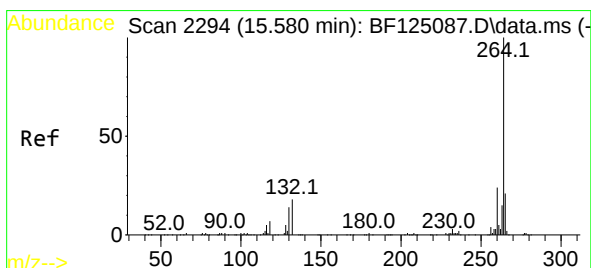
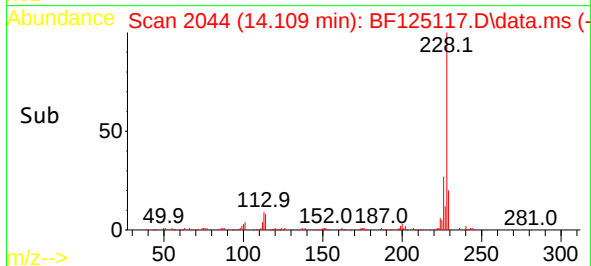
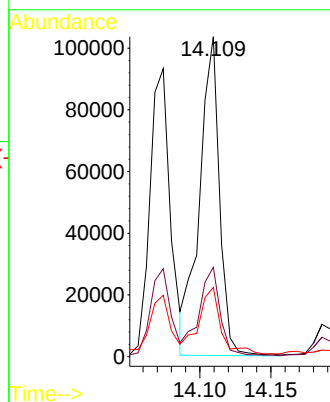
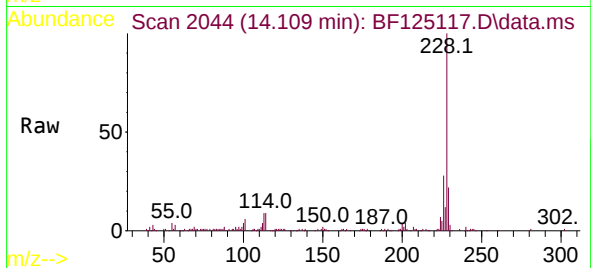
229 21.7 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

TP6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2294

Delta R.T. -0.000 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

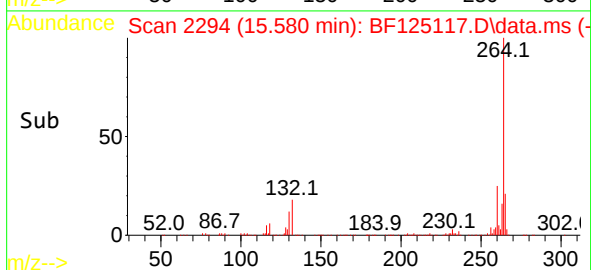
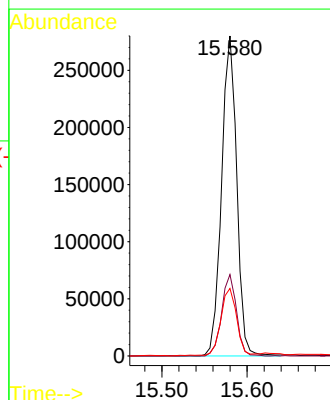
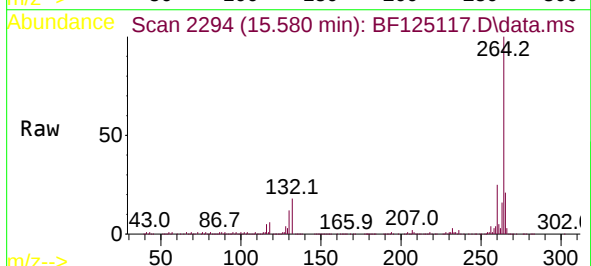
Tgt Ion:264 Resp: 346664

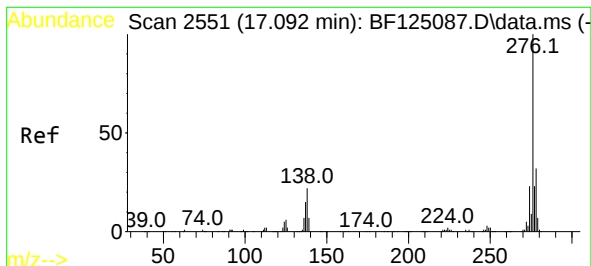
Ion Ratio Lower Upper

264 100

260 25.5 19.6 29.4

265 21.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.180 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.012 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

Tgt Ion:276 Resp: 54444

Ion Ratio Lower Upper

276 100

138 22.8 24.1 36.1#

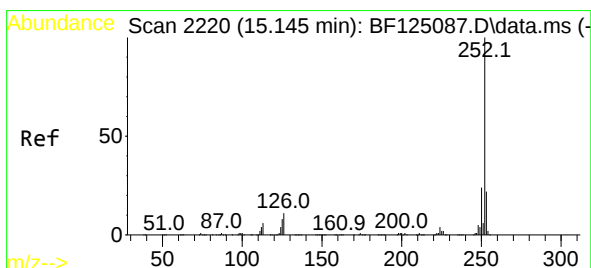
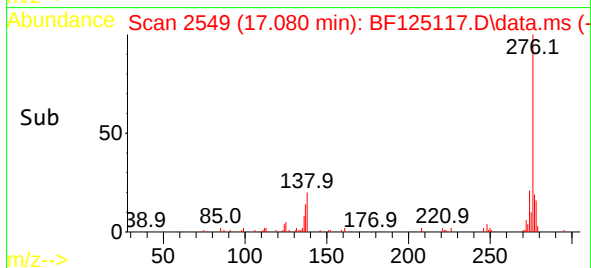
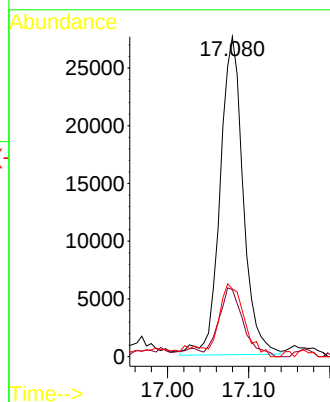
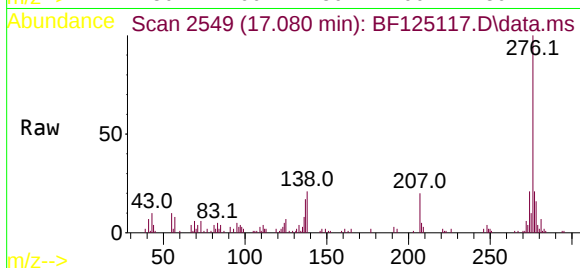
277 24.2 18.8 28.2

Instrument :

BNA_F

ClientSampleId :

TP6



#88

Benzo(b)fluoranthene

Concen: 5.919 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.012 min

Lab File: BF125117.D

Acq: 19 Aug 2021 16:38

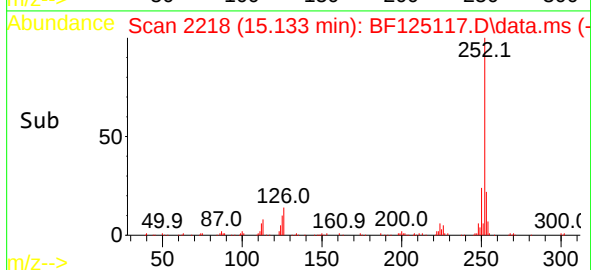
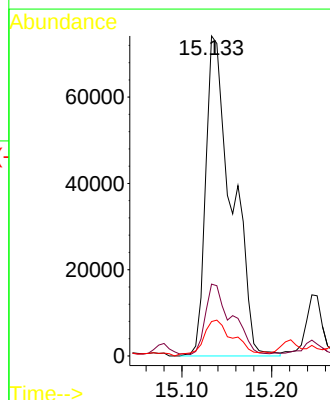
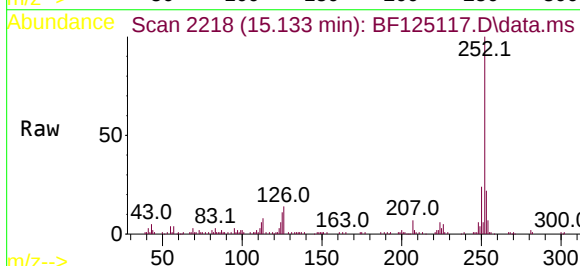
Tgt Ion:252 Resp: 149913

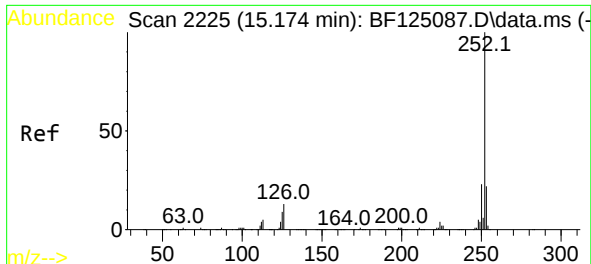
Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

125 10.7 9.8 14.8

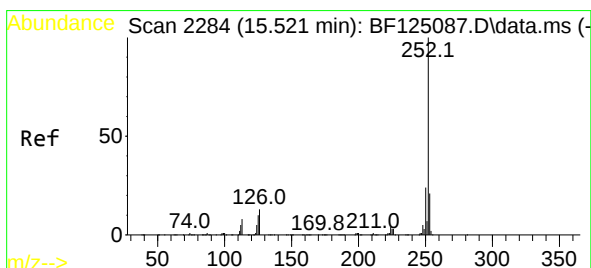
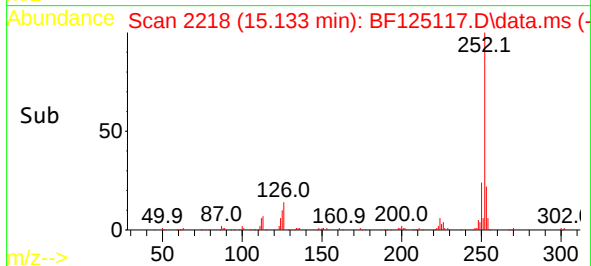
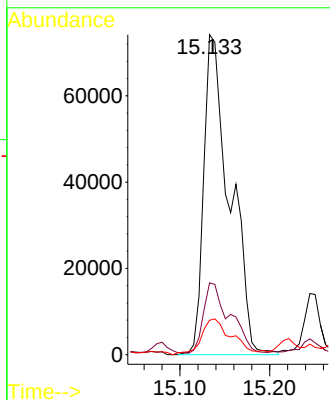
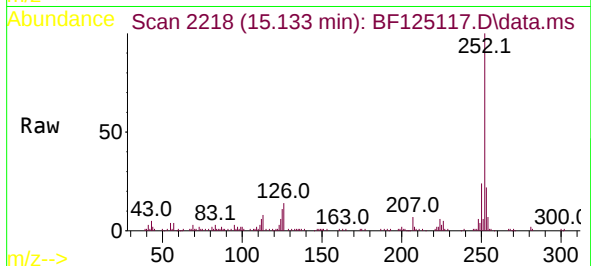




#89
Benzo(k)fluoranthene
Concen: 6.343 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.041 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

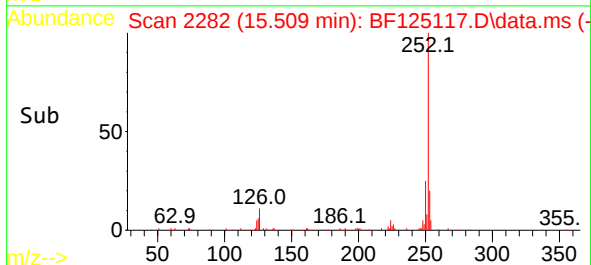
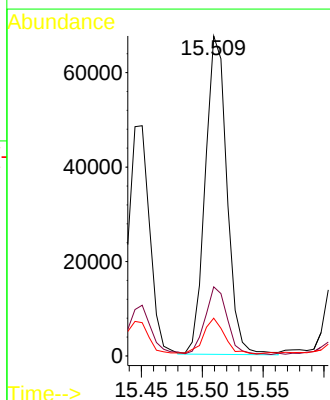
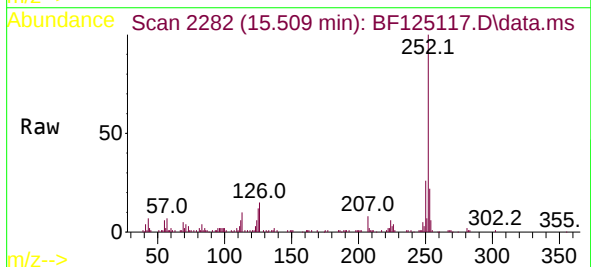
Instrument :
BNA_F
ClientSampleId :
TP6

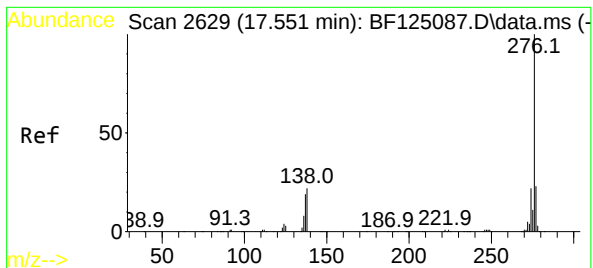
Tgt Ion:252 Resp: 149913
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.7 7.2 10.8



#90
Benzo(a)pyrene
Concen: 3.741 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.012 min
Lab File: BF125117.D
Acq: 19 Aug 2021 16:38

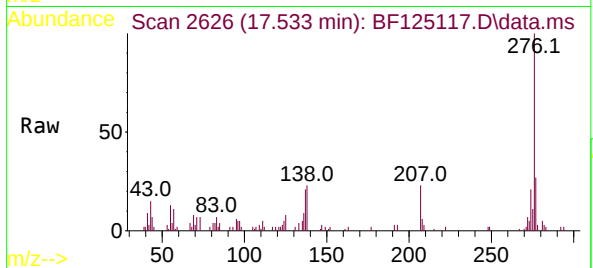
Tgt Ion:252 Resp: 83685
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 11.8 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.527 ng
 RT: 17.533 min Scan# 2626
 Delta R.T. -0.018 min
 Lab File: BF125117.D
 Acq: 19 Aug 2021 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TP6



Tgt Ion:	276	Resp:	52590
Ion	Ratio	Lower	Upper
276	100		
277	27.0	22.0	33.0
138	23.3	22.2	33.4

