

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117917.D
 Acq On : 21 Nov 2019 17:27
 Operator : JU
 Sample : K5904-18RX
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14-(0-2)RX

Quant Time: Nov 22 00:23:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

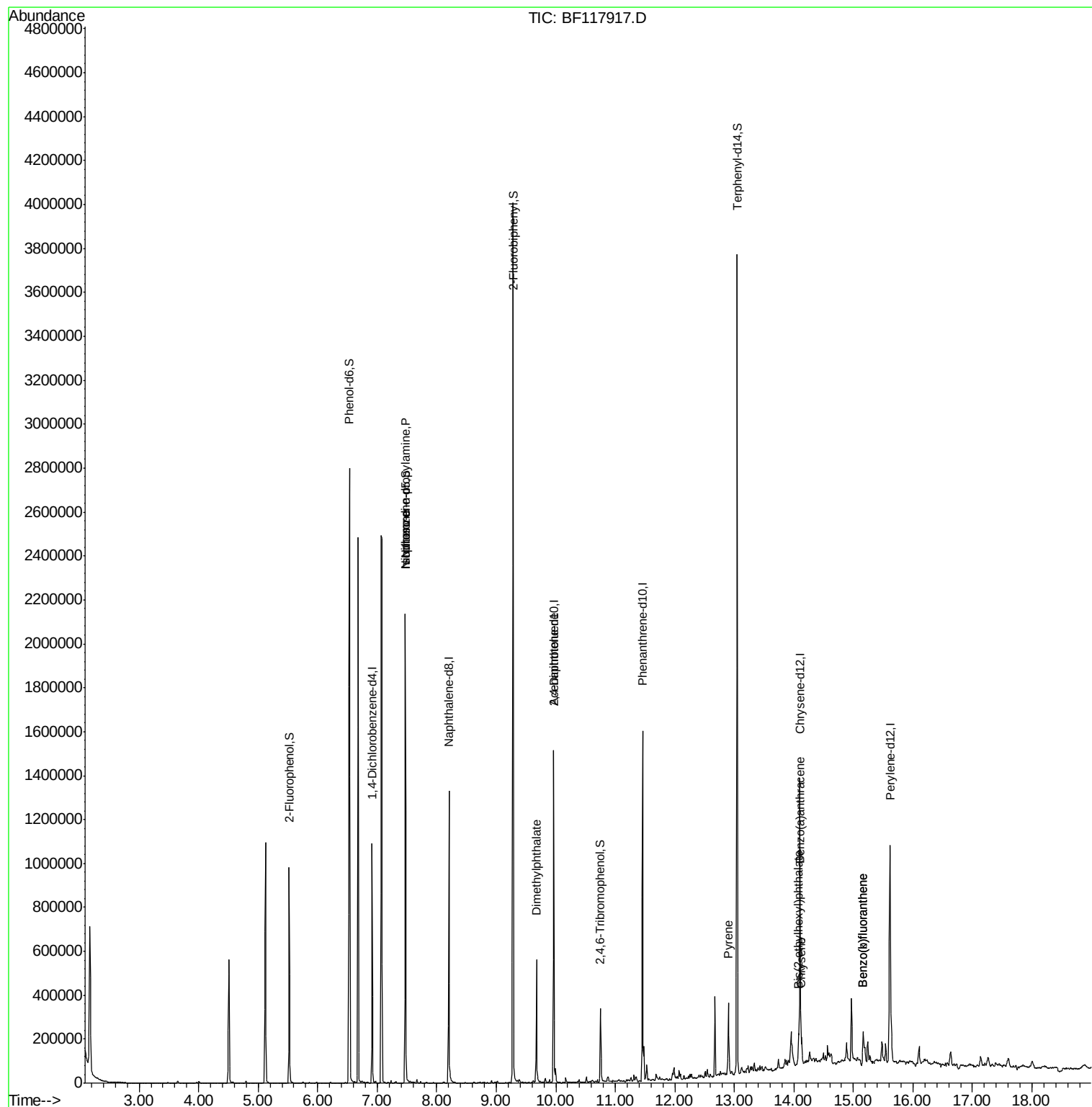
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	150563	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	596793	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	307419	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	541586	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	386429	20.00	ng	-0.01
87) Perylene-d12	15.62	264	472264	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	247916	29.15	ng	-0.01
7) Phenol-d6	6.53	99	911745	88.87	ng	-0.01
23) Nitrobenzene-d5	7.47	82	633343	63.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	43894	13.49	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1113602	64.99	ng	-0.01
79) Terphenyl-d14	13.04	244	1269533	60.04	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	1723	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	84789	13.396 ng	#	1
25) Isophorone	7.47	82	629391	34.205 ng	#	77
50) Dimethylphthalate	9.67	163	238419	11.060 ng	#	62
57) 2,4-Dinitrotoluene	9.96	165	40083	6.688 ng	#	98
75) Fluoranthene	12.67	202	133855	Below Cal		24
78) Pyrene	12.90	202	125653	4.024 ng		98
81) Benzo(a)anthracene	14.09	228	55286	2.165 ng		98
83) Chrysene	14.13	228	56781	2.295 ng		98
84) Bis(2-ethylhexyl)phthalate	14.08	149	34720	2.135 ng	#	98
88) Benzo(b)fluoranthene	15.16	252	102638	3.345 ng		99
89) Benzo(k)fluoranthene	15.16	252	102638	3.550 ng		99

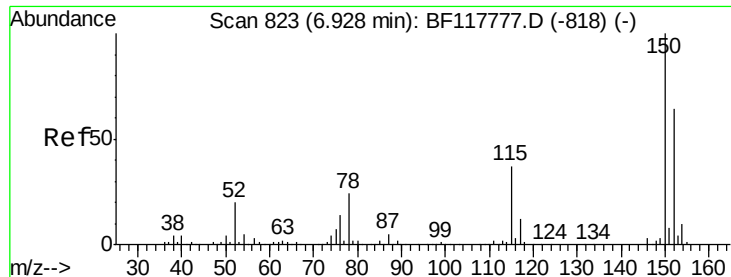
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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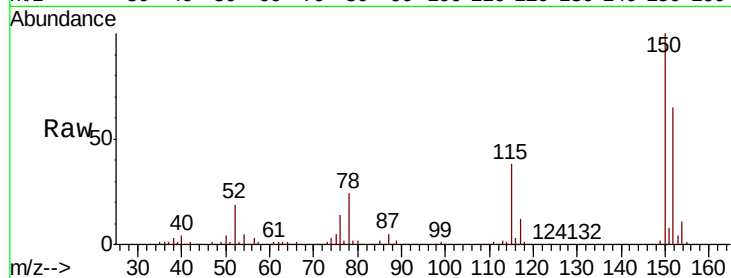


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

Instrument :
BNA_F
ClientSampleId :
14-(0-2)RX

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.3	187.9
115	59.3	47.0	70.4

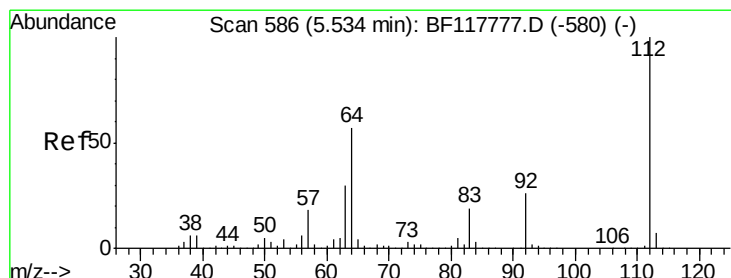
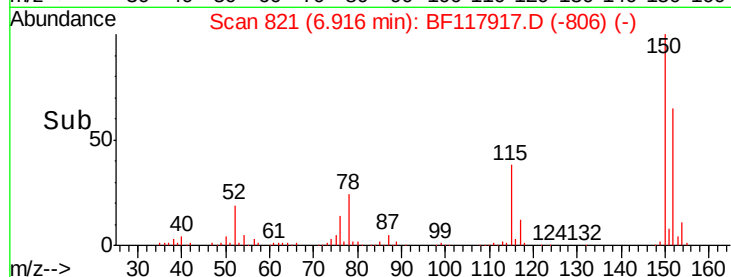
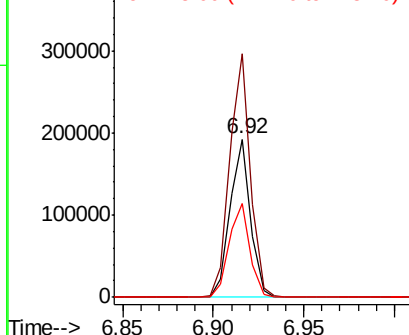


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

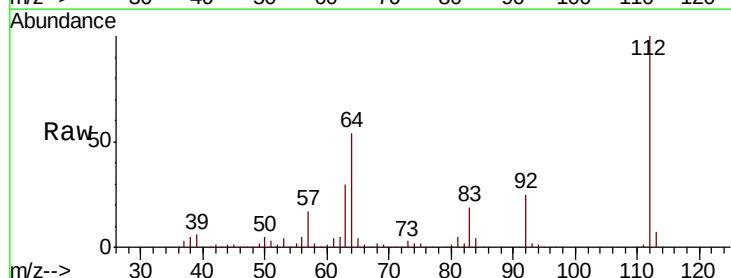
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.146 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	45.6	68.4
63	30.3	24.1	36.1

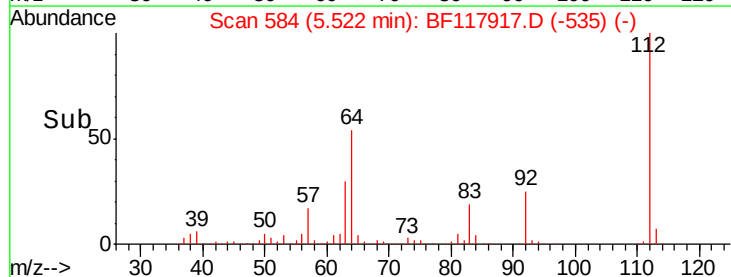
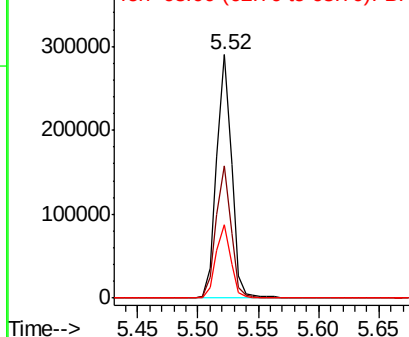


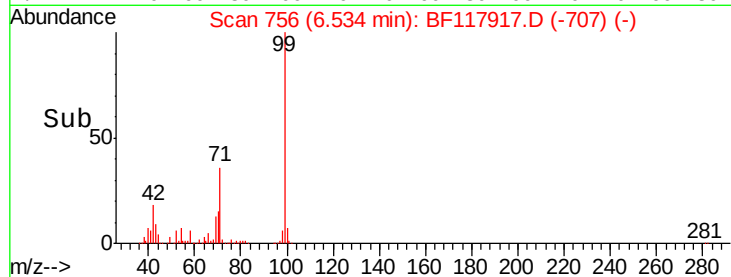
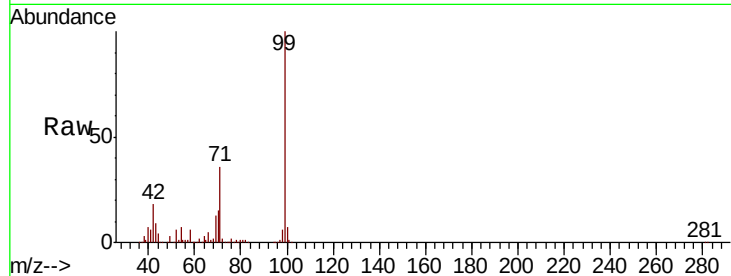
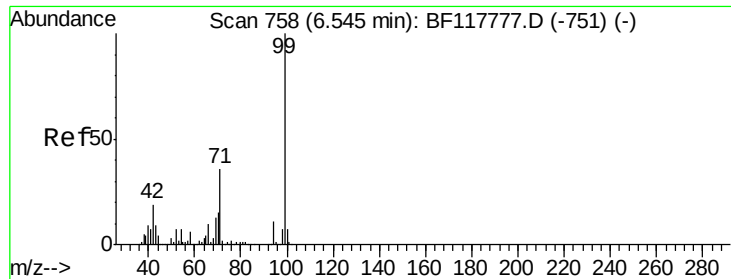
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.869 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampleId :

14-(0-2)RX

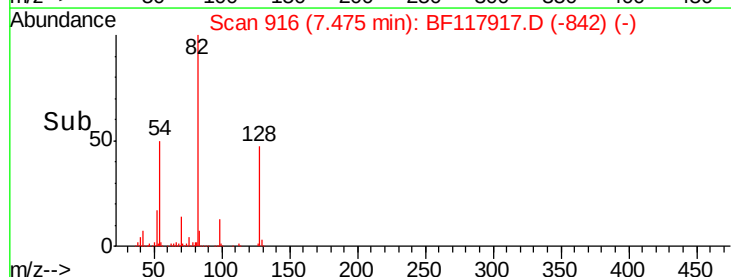
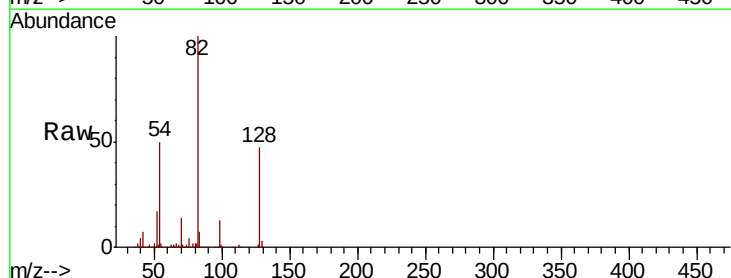
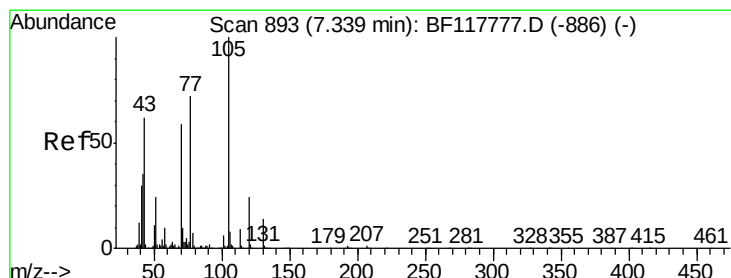
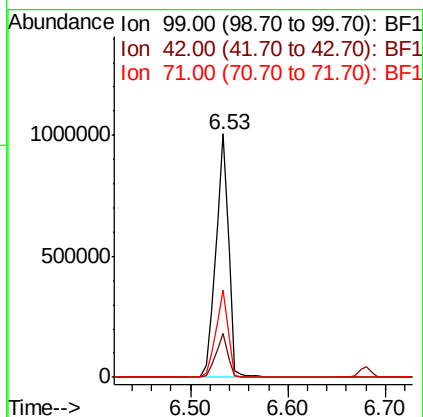
Tot Ion: 99 Resp: 911745

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

71 35.8 28.6 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.396 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Tgt Ion: 70 Resp: 84789

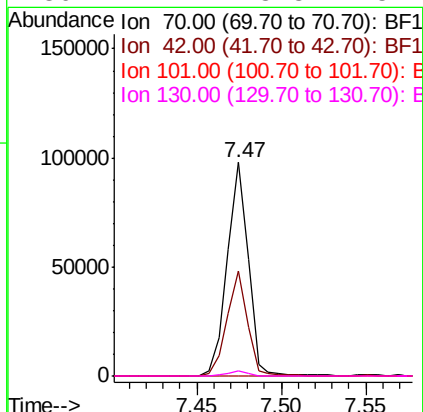
Ion Ratio Lower Upper

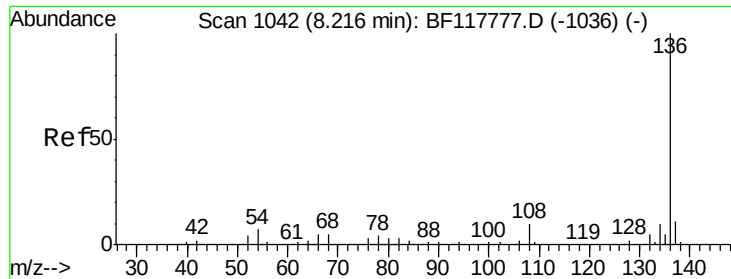
70 100

42 49.3 47.4 71.2

101 0.0 8.4 12.6#

130 2.2 18.8 28.2#

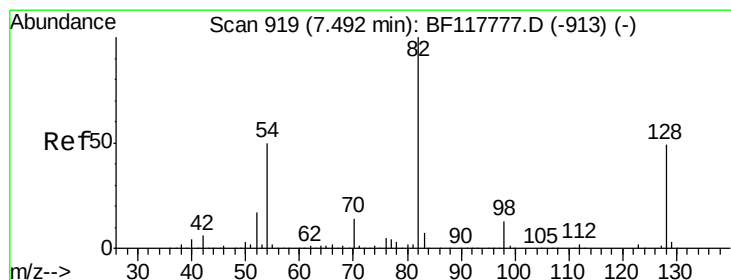
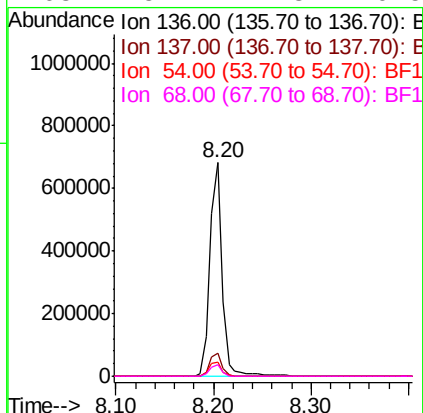
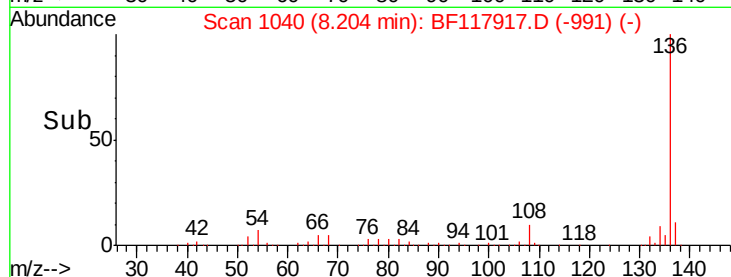
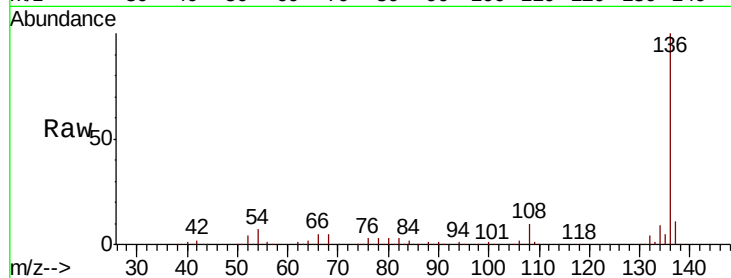




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

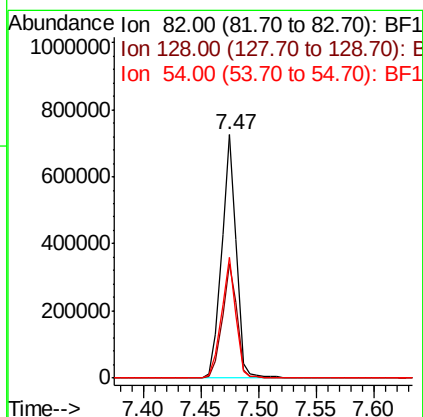
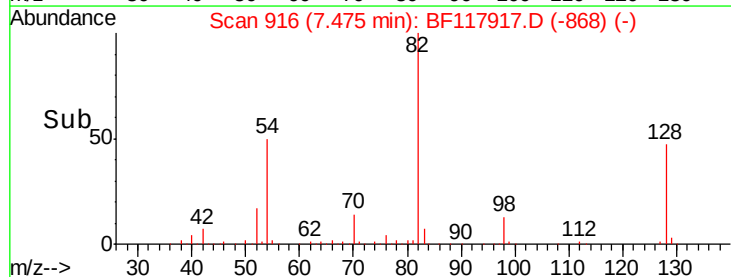
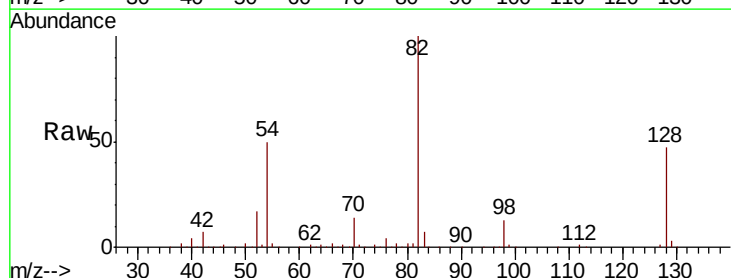
Instrument :
BNA_F
ClientSampleId :
14-(0-2)RX

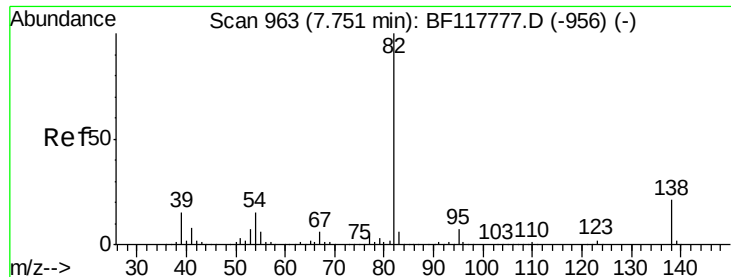
Tot Ion:136	Resp:	596793
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.0 13.4
54	6.7	5.4 8.2
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 63.087 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

Tgt Ion: 82	Resp:	633343
Ion	Ratio	Lower Upper
82	100	
128	46.9	38.9 58.3
54	49.7	39.8 59.6





#25

Isophorone

Concen: 34.205 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampled :

14-(0-2)RX

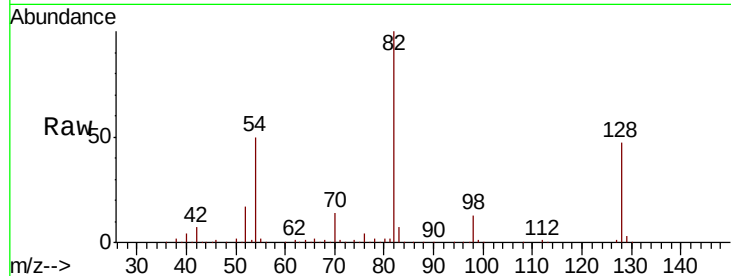
Tot Ion: 82 Resp: 629391

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

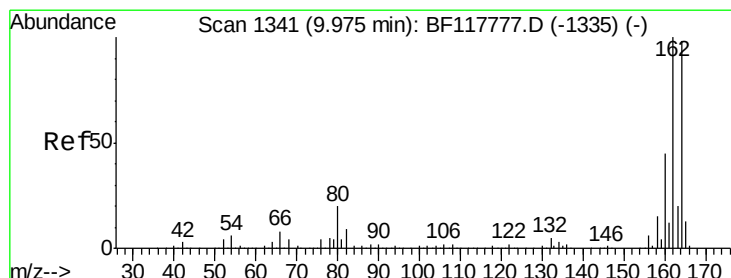
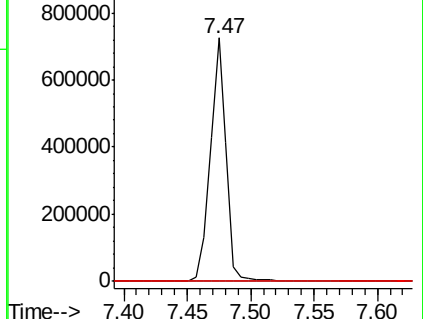
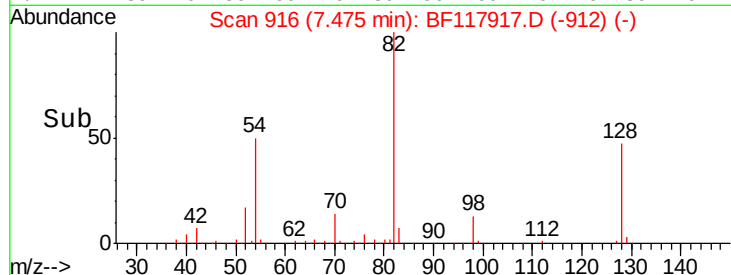
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

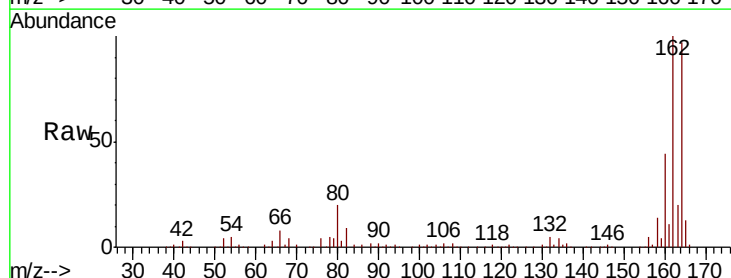
Tgt Ion: 164 Resp: 307419

Ion Ratio Lower Upper

164 100

162 102.8 81.3 121.9

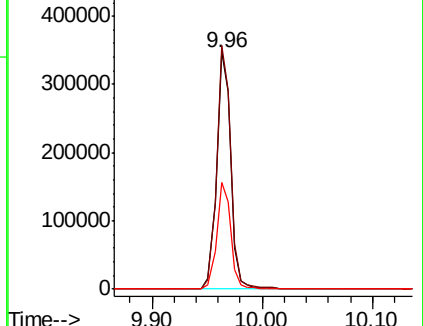
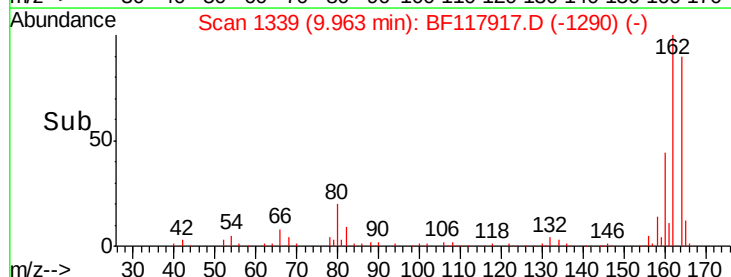
160 45.0 36.6 55.0

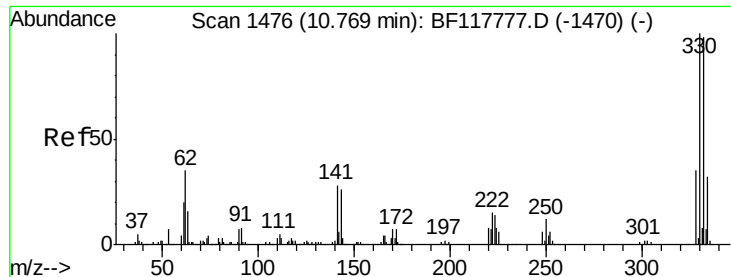


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 13.487 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampleId :

14-(0-2)RX

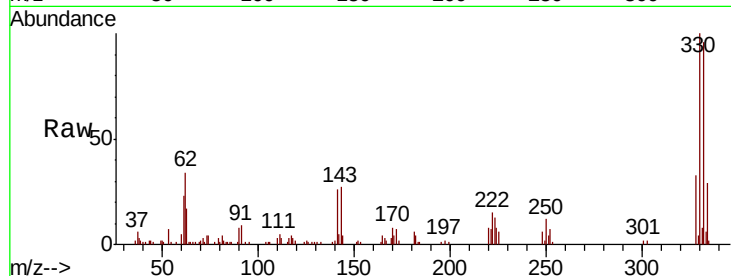
Tot Ion:330 Resp: 43894

Ion Ratio Lower Upper

330 100

332 93.6 76.7 115.1

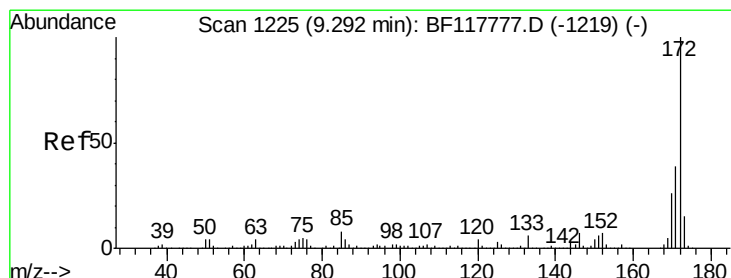
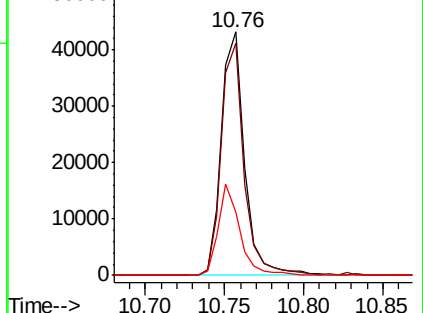
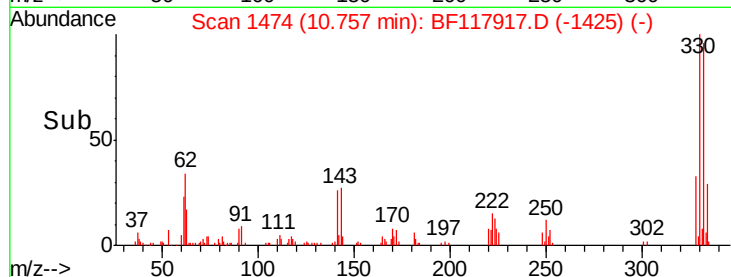
141 34.7 27.7 41.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 64.988 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

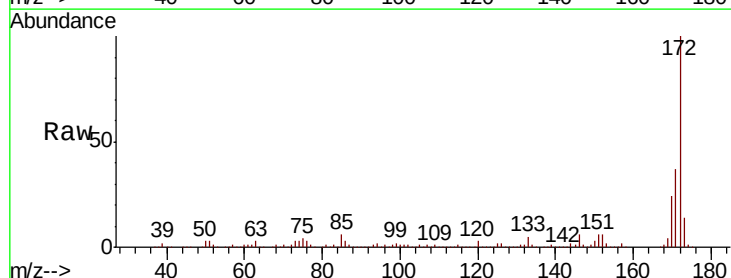
Tgt Ion:172 Resp: 1113602

Ion Ratio Lower Upper

172 100

171 37.3 30.9 46.3

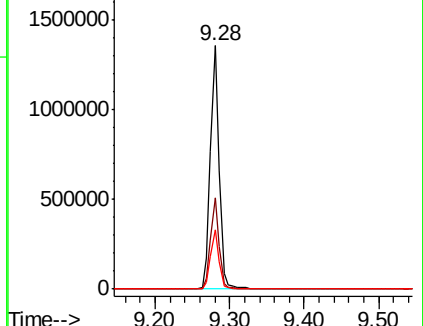
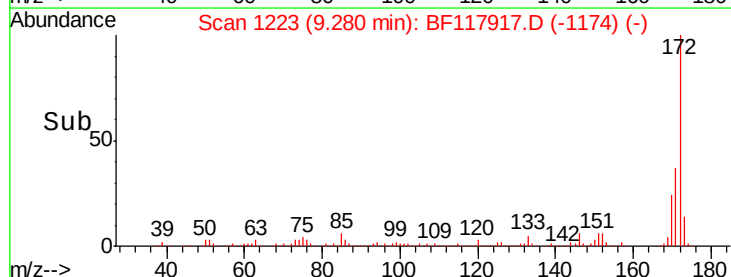
170 24.5 21.0 31.4

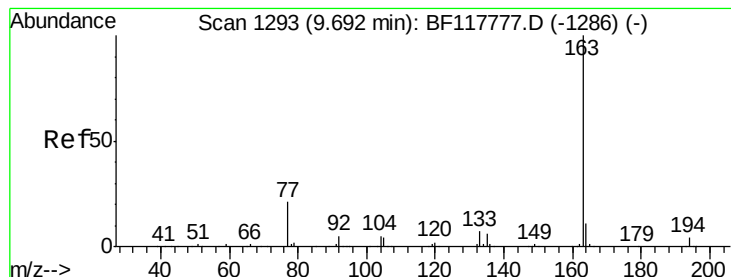


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.060 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampleId :

14-(0-2)RX

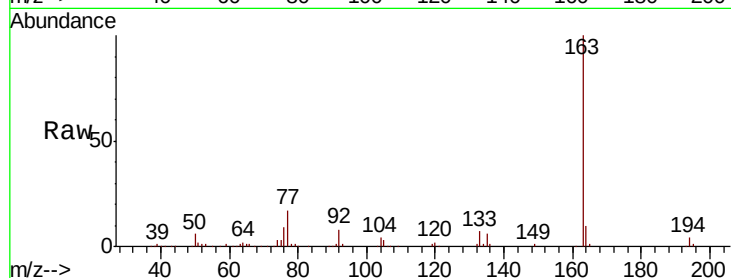
Tot Ion:163 Resp: 238419

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

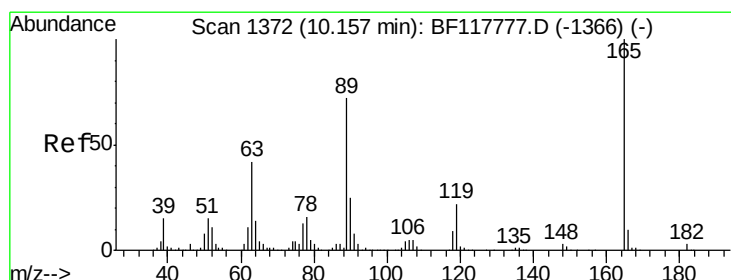
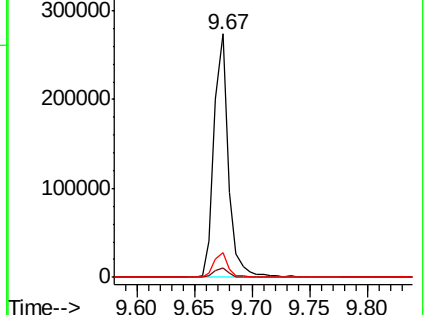
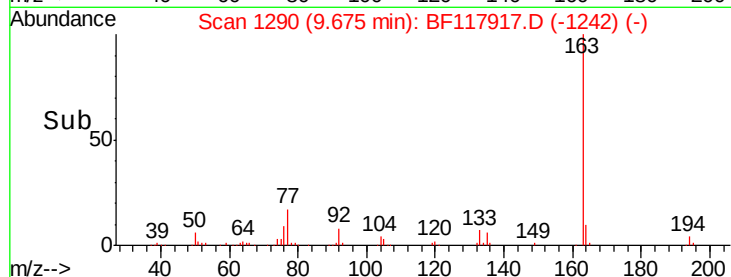
164 10.0 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.688 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.19 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Tgt Ion:165 Resp: 40083

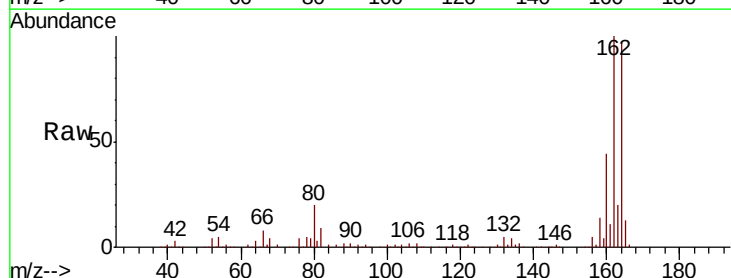
Ion Ratio Lower Upper

165 100

63 1.1 33.7 50.5#

89 1.3 57.3 85.9#

182 0.0 2.3 3.5#

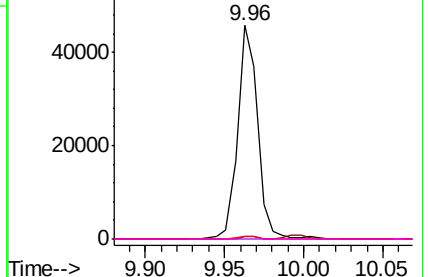
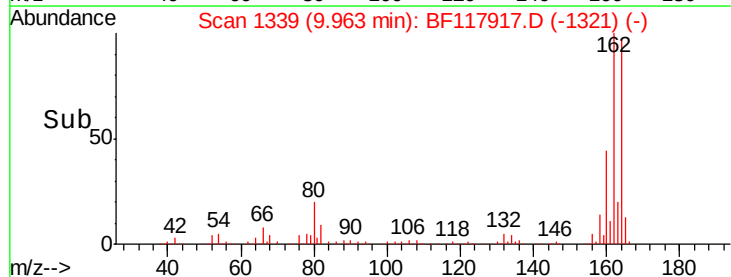


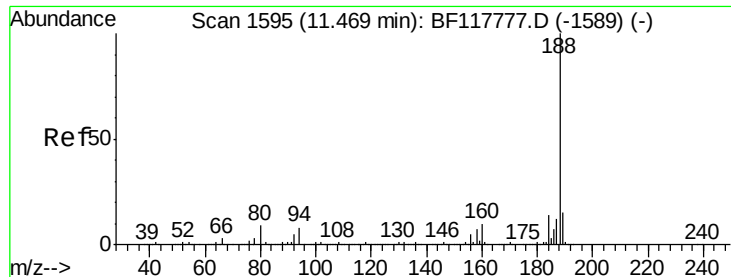
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

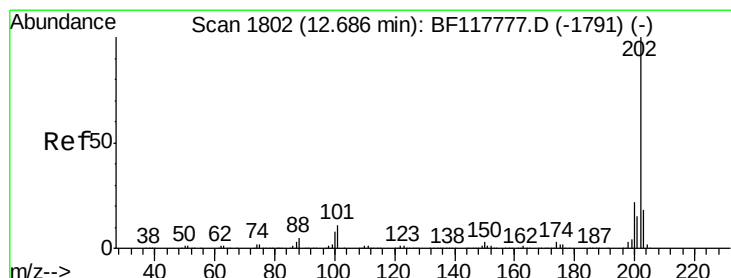
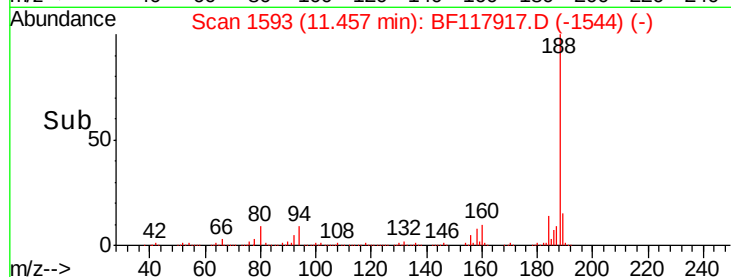
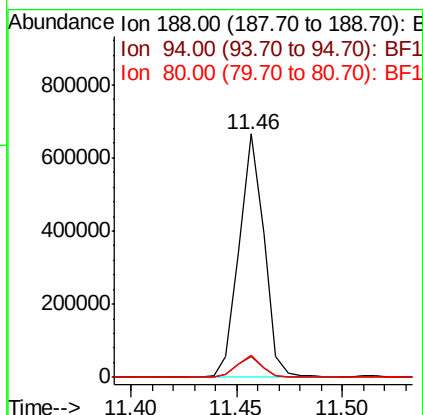
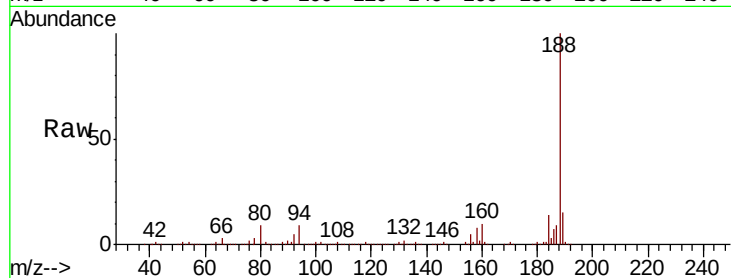




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

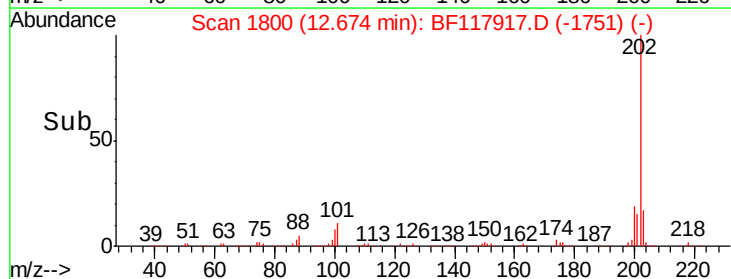
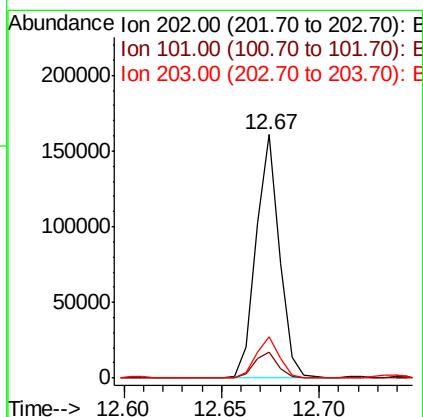
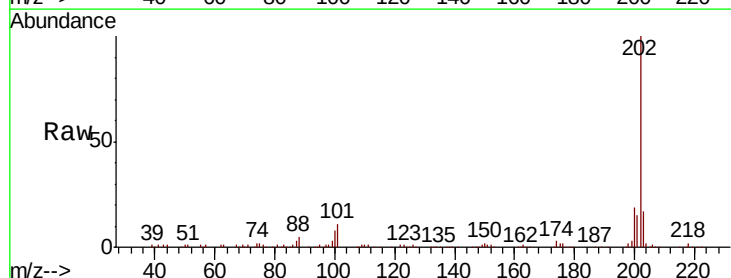
Instrument :
BNA_F
ClientSampleId :
14-(0-2)RX

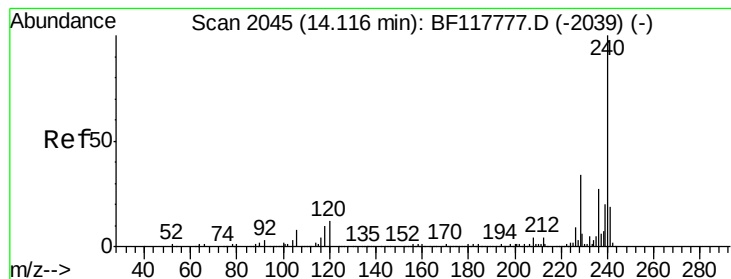
Tot Ion:188 Resp: 541586
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.4 7.2 10.8



#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

Tgt Ion:202 Resp: 133855
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.1 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampleId :

14-(0-2)RX

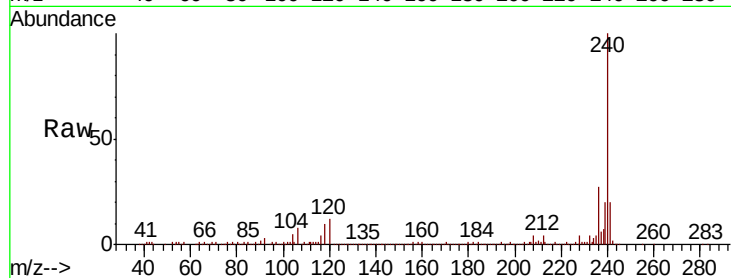
Tot Ion:240 Resp: 386429

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 26.8 21.3 31.9

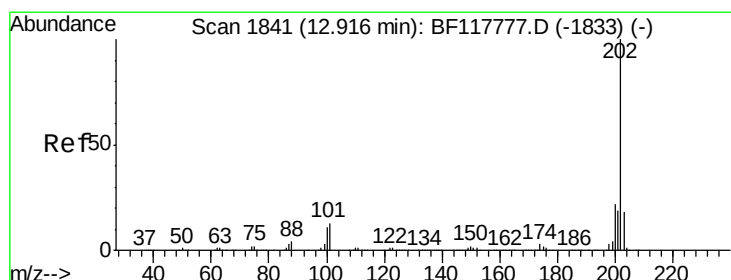
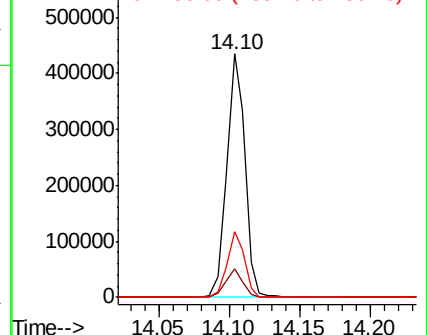
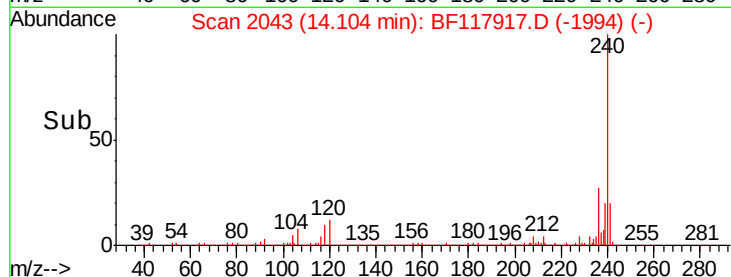


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.024 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

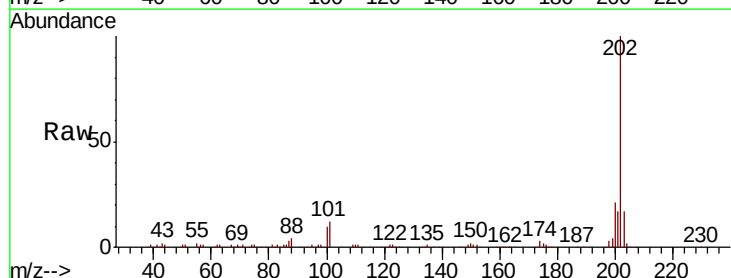
Tgt Ion:202 Resp: 125653

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.8

203 17.3 14.6 22.0

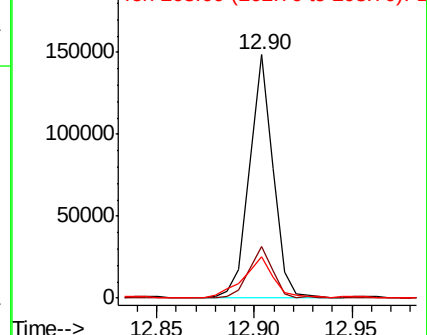
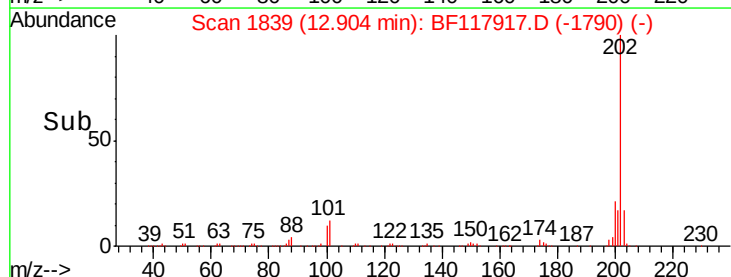


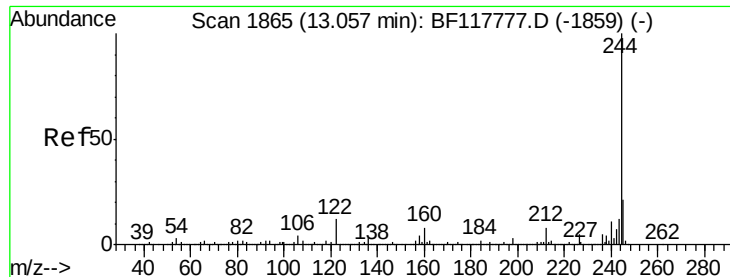
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

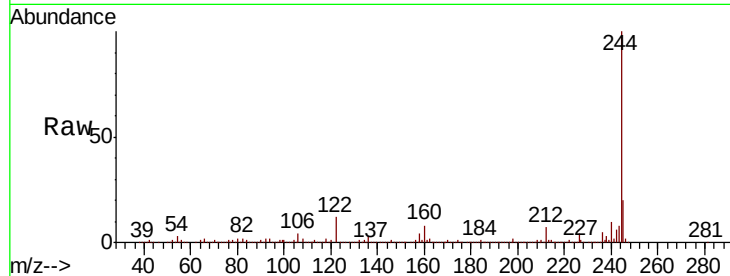




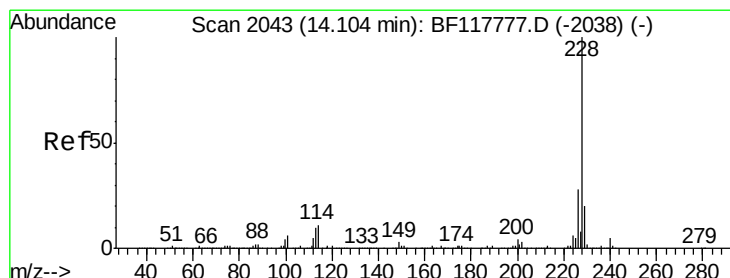
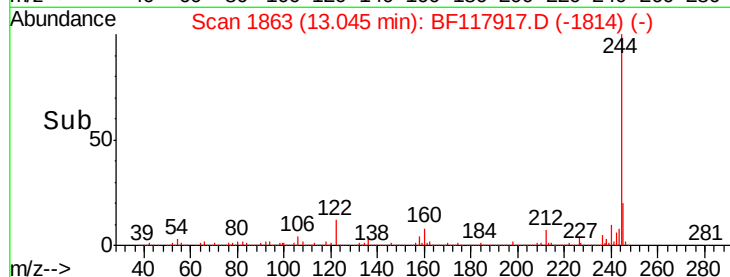
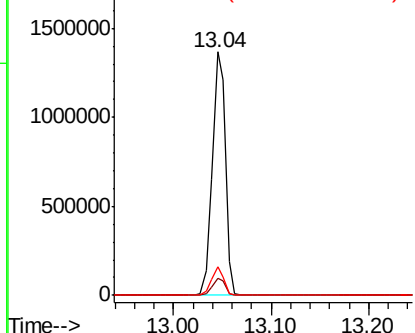
#79
 Terphenyl-d14
 Concen: 60.042 ng
 RT: 13.04 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BF117917.D
 Acq: 21 Nov 2019 17:27

Instrument :
 BNA_F
 ClientSampleId :
 14-(0-2)RX

Tot Ion:244 Resp: 1269533
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.3 9.5
 122 11.8 9.4 14.2

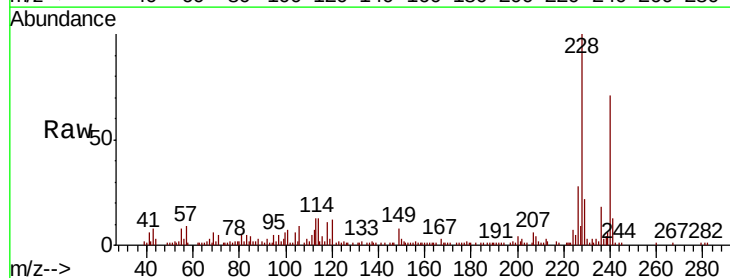


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

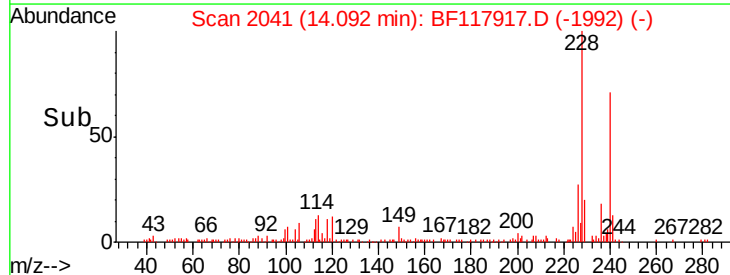
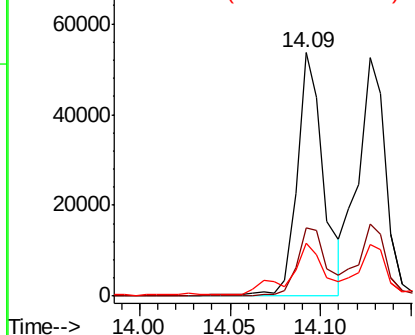


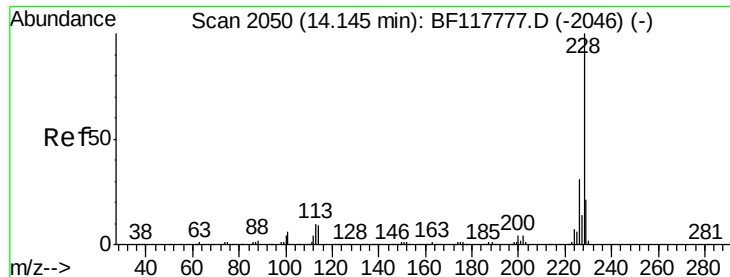
#81
 Benzo(a)anthracene
 Concen: 2.165 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117917.D
 Acq: 21 Nov 2019 17:27

Tgt Ion:228 Resp: 55286
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.2 33.2
 229 21.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.295 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

Instrument :

BNA_F

ClientSampleId :

14-(0-2)RX

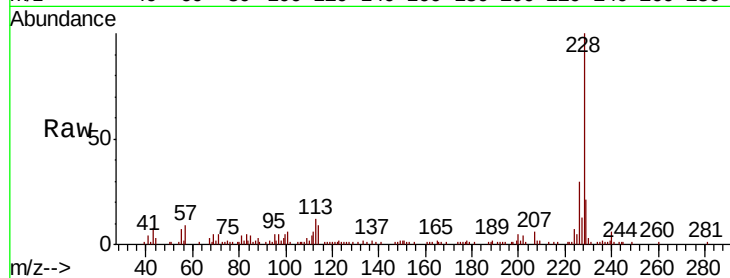
Tot Ion:228 Resp: 56781

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.4

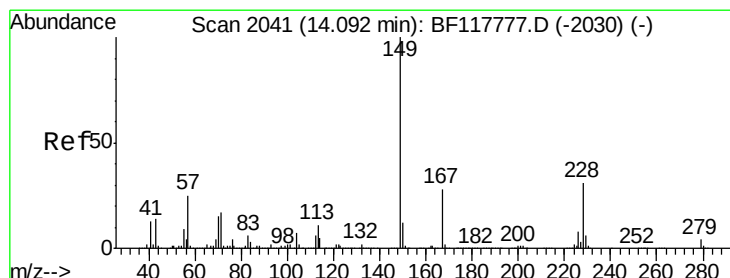
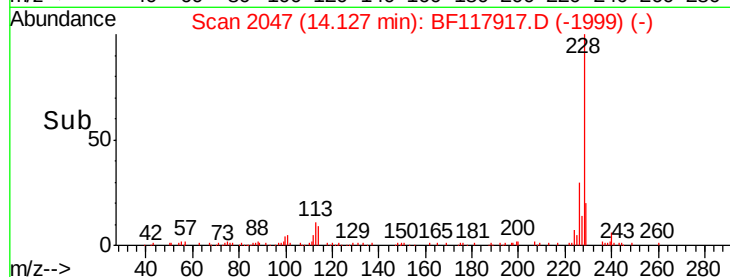
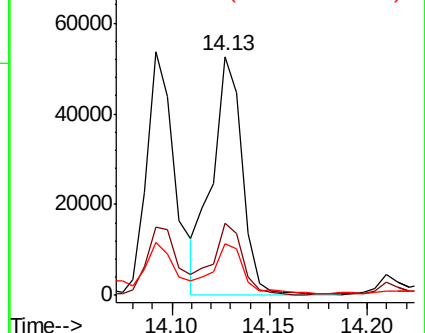
229 21.4 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.135 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF117917.D

Acq: 21 Nov 2019 17:27

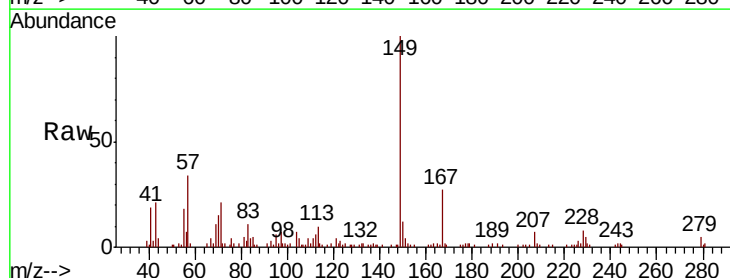
Tgt Ion:149 Resp: 34720

Ion Ratio Lower Upper

149 100

167 26.7 22.2 33.2

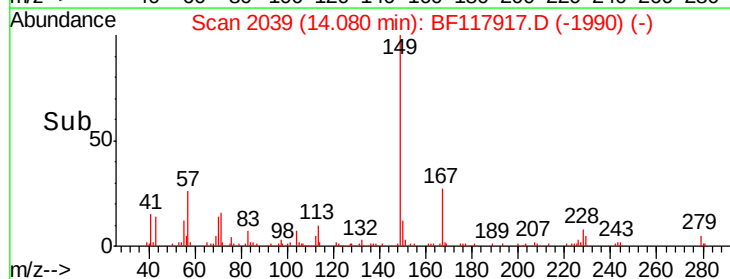
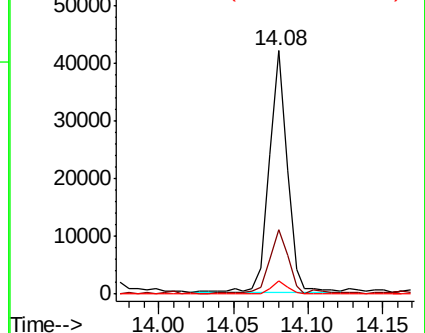
279 5.3 3.4 5.2#

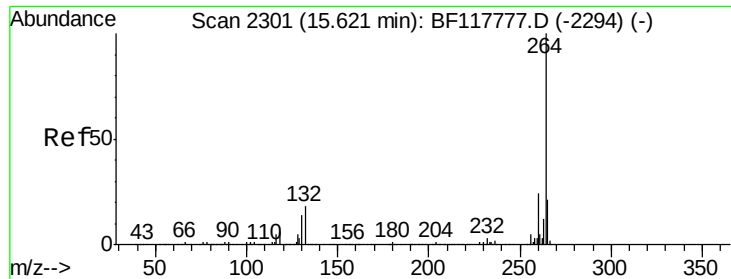


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

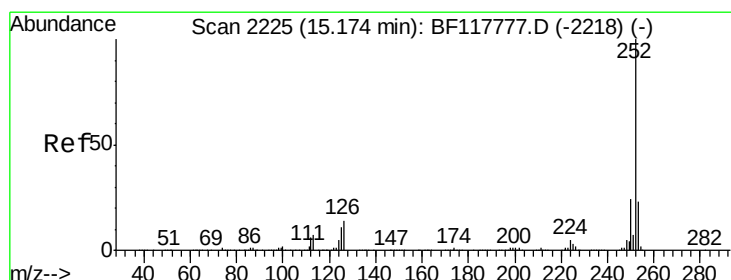
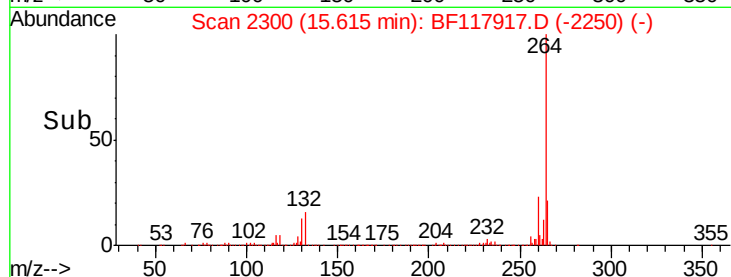
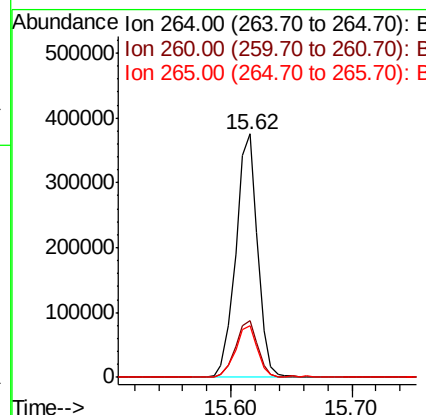
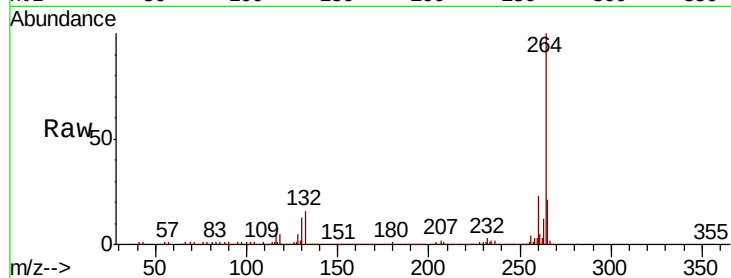




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

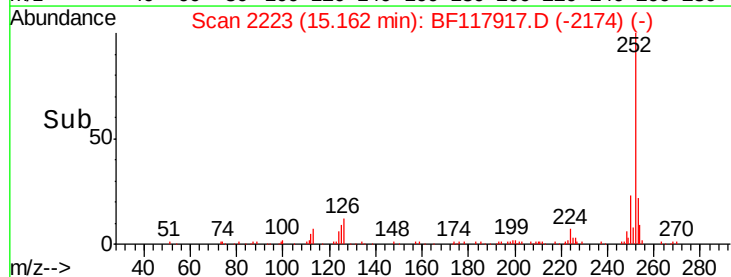
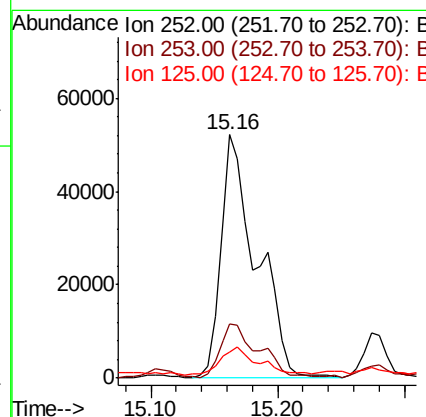
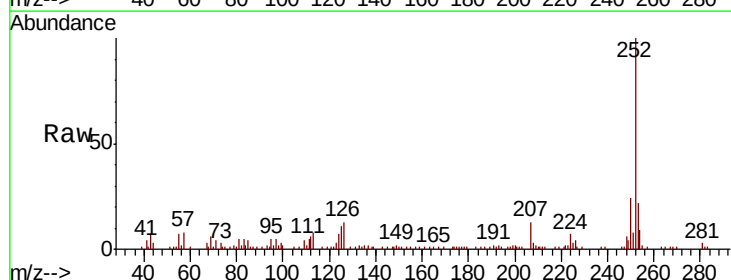
Instrument :
BNA_F
ClientSampleId :
14-(0-2)RX

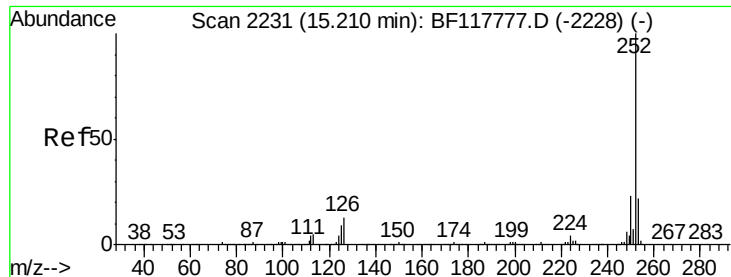
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.2	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 3.345 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117917.D
Acq: 21 Nov 2019 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.5	8.6	13.0





#89
 Benzo(k)fluoranthene
 Concen: 3.550 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. -0.05 min
 Lab File: BF117917.D
 Acq: 21 Nov 2019 17:27

Instrument :
 BNA_F
 ClientSampleId :
 14-(0-2)RX

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.5	7.9	11.9

