

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117920.D
 Acq On : 21 Nov 2019 18:48
 Operator : JU
 Sample : K5676-26 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112019

Quant Time: Nov 22 00:24:03 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

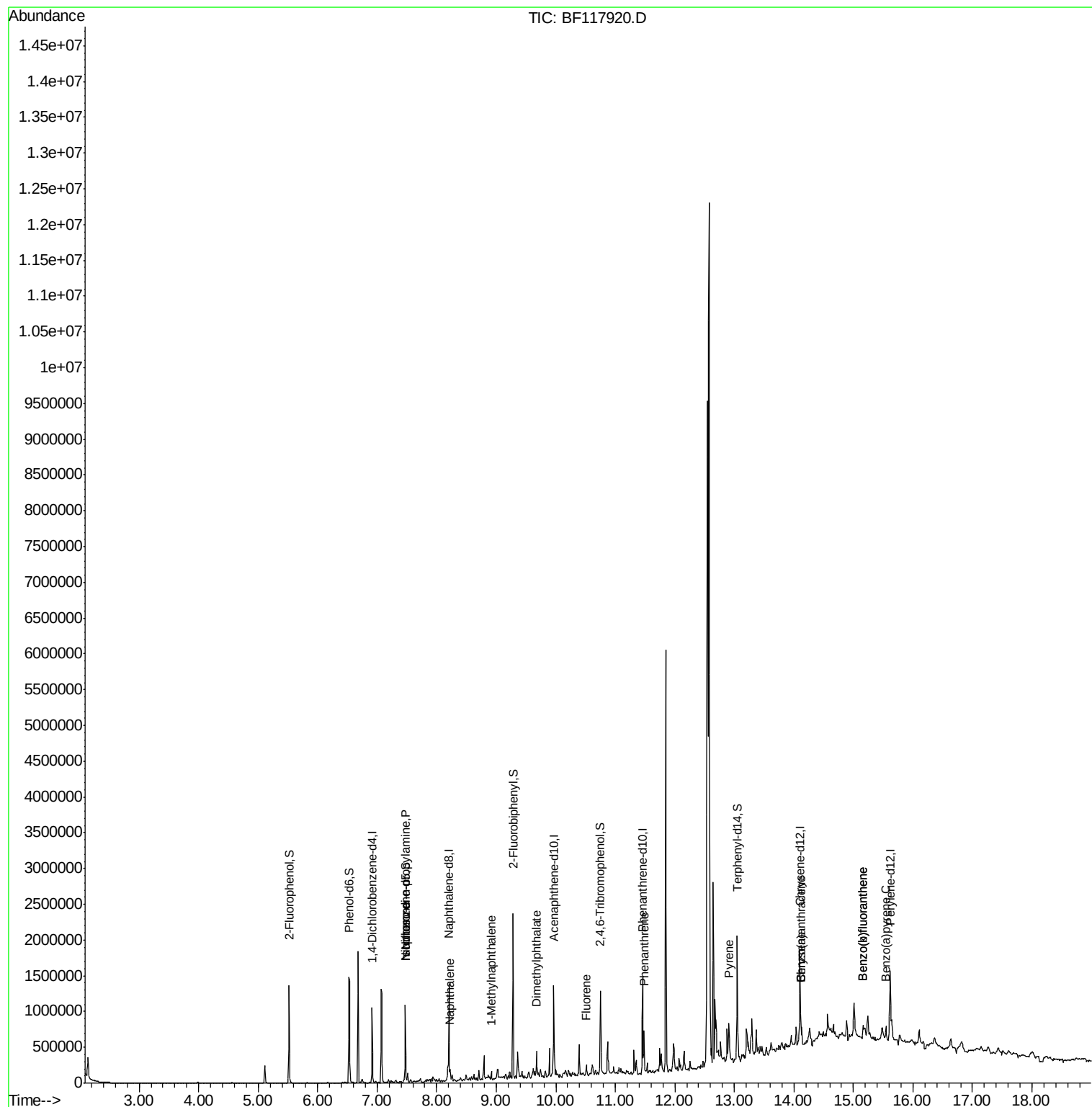
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	143986	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	544328	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	275266	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	499318	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	405175	20.00	ng	0.00
87) Perylene-d12	15.62	264	473442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	398757	49.02	ng	-0.01
7) Phenol-d6	6.53	99	513986	52.39	ng	-0.01
23) Nitrobenzene-d5	7.47	82	304444	33.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	140168	48.10	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	624552	40.70	ng	-0.01
79) Terphenyl-d14	13.05	244	610214	27.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	1705	Below Cal		Qvalue # 79
19) n-Nitroso-di-n-propylamine	7.47	70	40017	6.611	ng	# 76
25) Isophorone	7.47	82	301252	17.950	ng	# 62
31) Naphthalene	8.22	128	52643	2.075	ng	97
38) 1-Methylnaphthalene	8.92	142	32643	2.014	ng	94
50) Dimethylphthalate	9.67	163	109324	5.664	ng	97
58) Fluorene	10.52	166	33973	2.018	ng	96
71) Phenanthrene	11.48	178	203616	8.111	ng	96
78) Pyrene	12.91	202	208467	6.366	ng	97
81) Benzo(a)anthracene	14.13	228	96531	3.605	ng	95
83) Chrysene	14.13	228	96531	3.721	ng	96
88) Benzo(b)fluoranthene	15.16	252	157123	5.108	ng	# 92
89) Benzo(k)fluoranthene	15.16	252	157123	5.421	ng	# 90
90) Benzo(a)pyrene	15.55	252	92939	3.436	ng	# 94

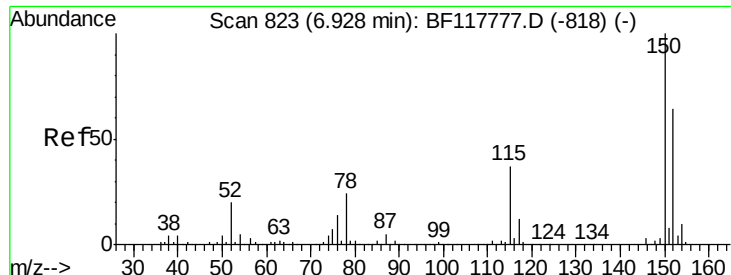
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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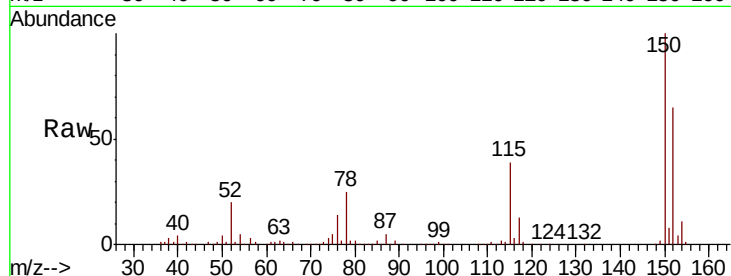


#1

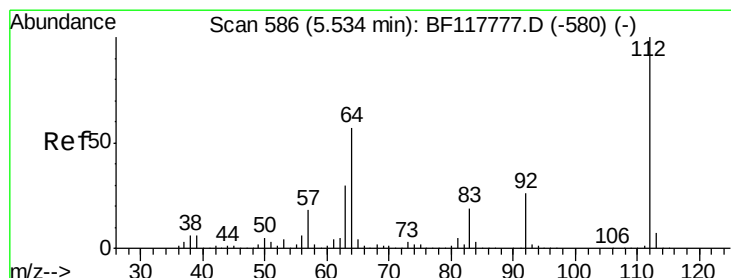
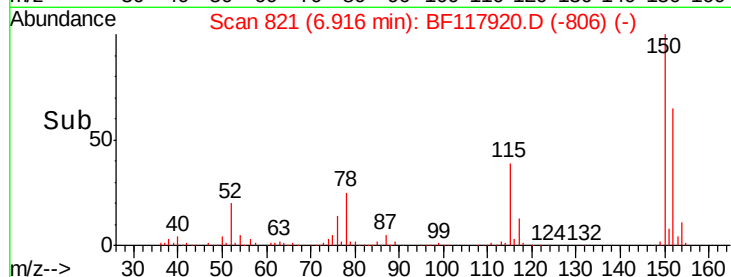
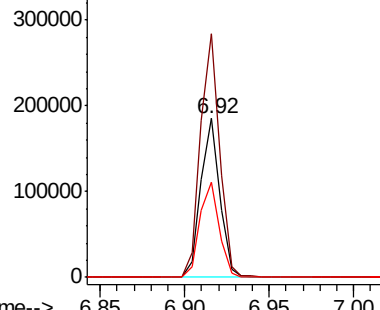
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Instrument :
BNA_F
ClientSampleId :
SU-03-112019

Tot Ion:152 Resp: 143986
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 60.3 47.0 70.4



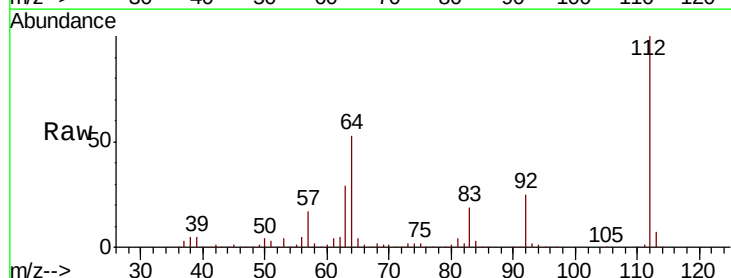
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



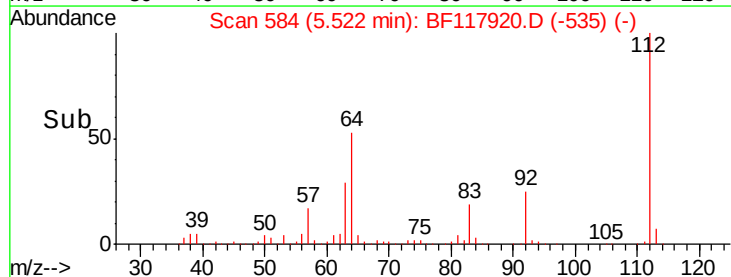
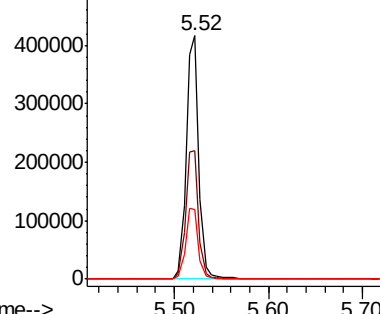
#5

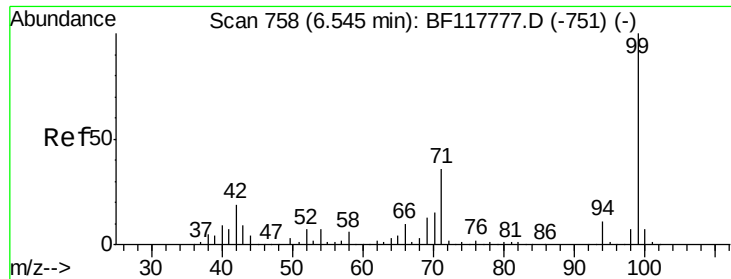
2-Fluorophenol
Concen: 49.022 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Tgt Ion:112 Resp: 398757
Ion Ratio Lower Upper
112 100
64 52.5 45.6 68.4
63 28.7 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: 52.387 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

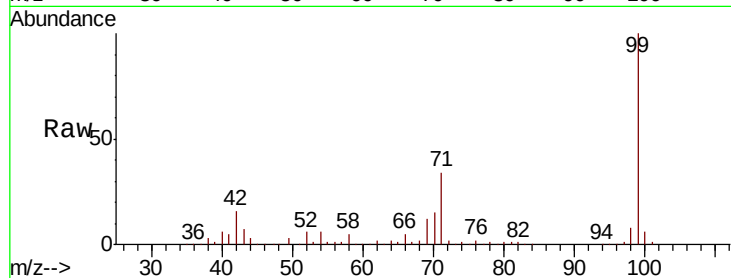
Tot Ion: 99 Resp: 513986

Ion Ratio Lower Upper

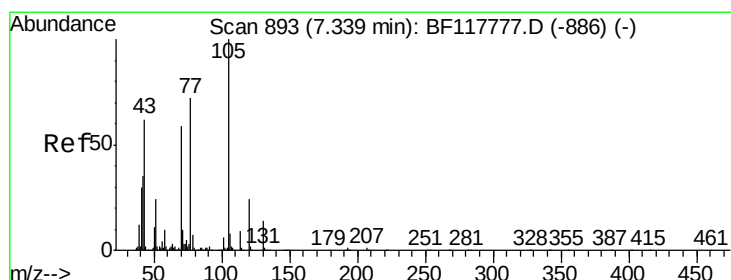
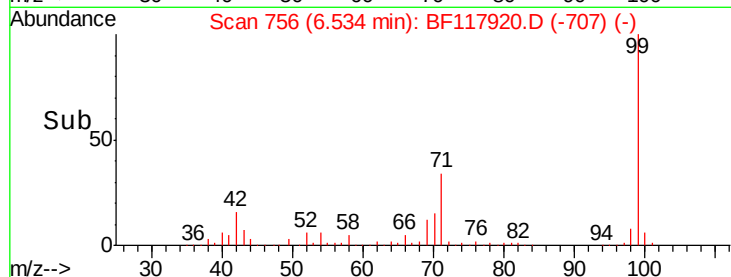
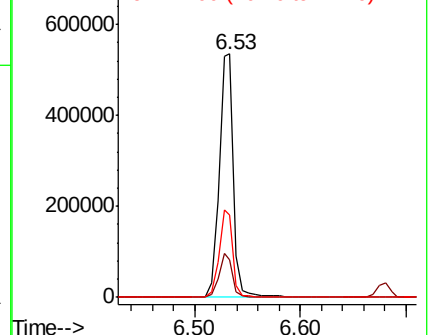
99 100

42 15.6 14.9 22.3

71 33.7 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.611 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Tgt Ion: 70 Resp: 40017

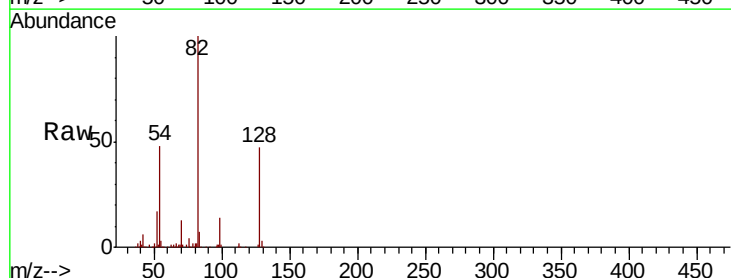
Ion Ratio Lower Upper

70 100

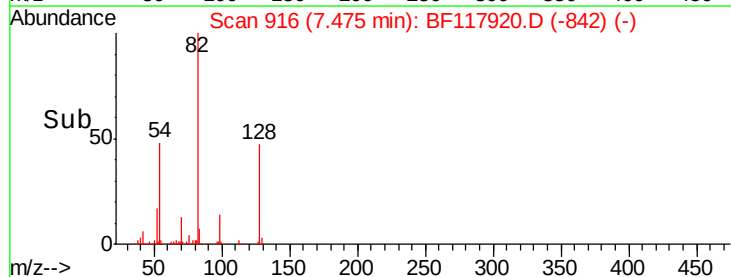
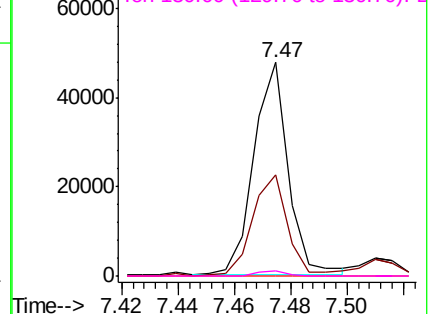
42 47.1 47.4 71.2#

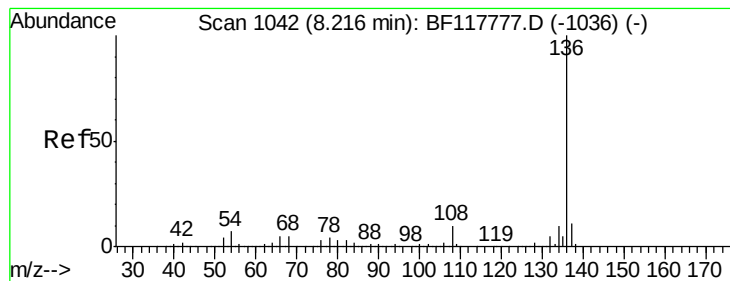
101 0.0 8.4 12.6#

130 2.5 18.8 28.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

Tot Ion:136 Resp: 544328

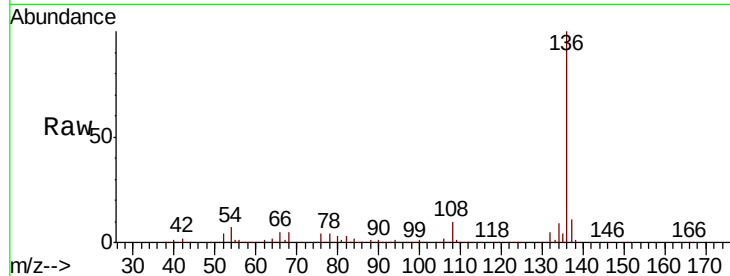
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.7 5.4 8.2

68 5.3 4.3 6.5

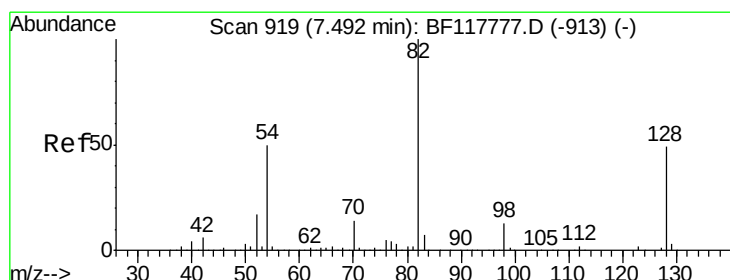
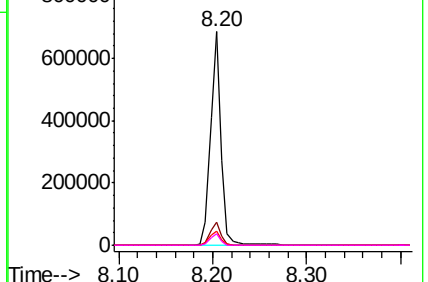
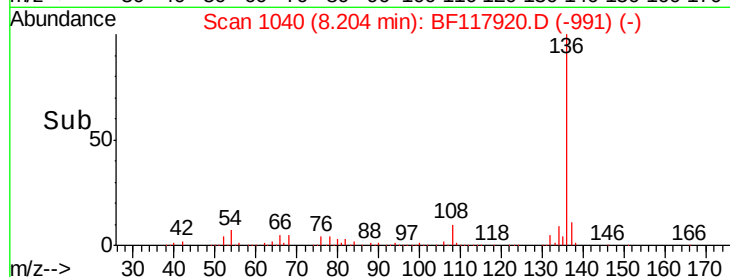


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 33.248 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

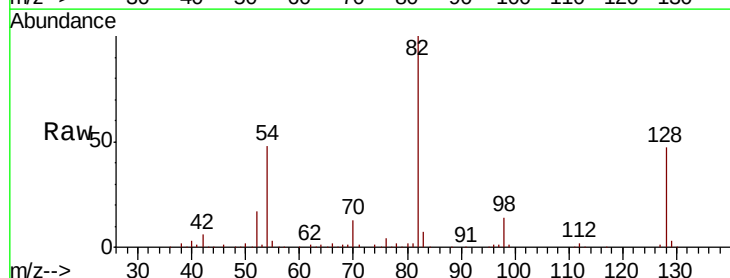
Tgt Ion: 82 Resp: 304444

Ion Ratio Lower Upper

82 100

128 47.5 38.9 58.3

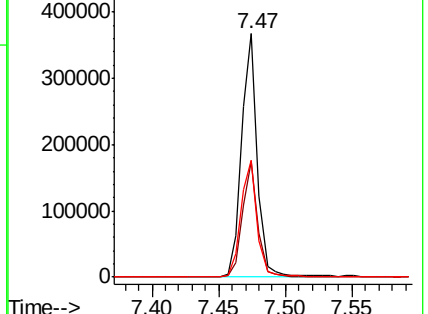
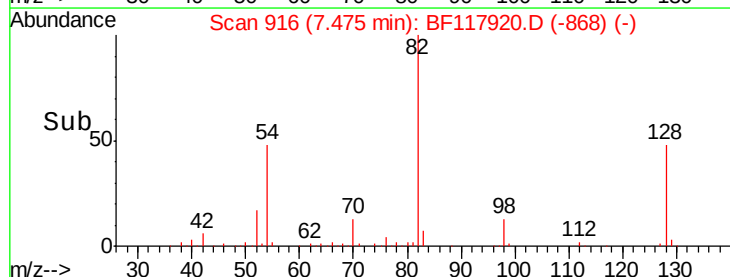
54 47.8 39.8 59.6

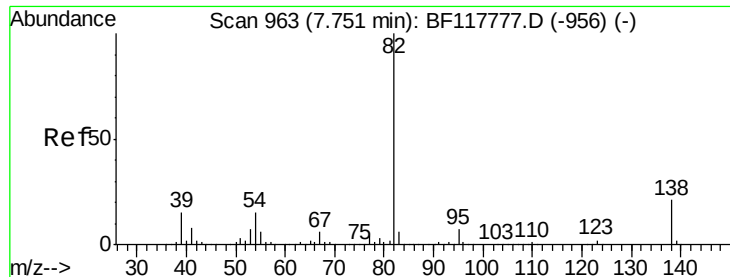


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.950 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

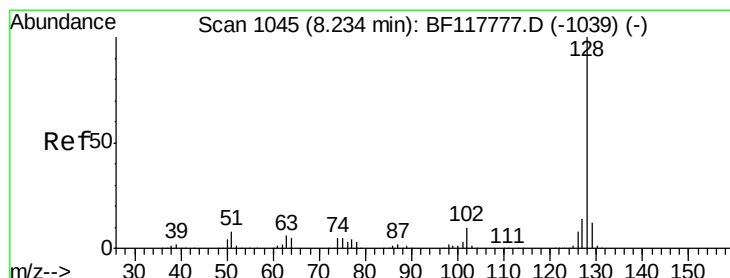
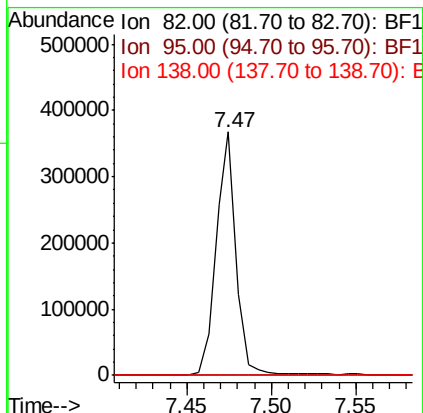
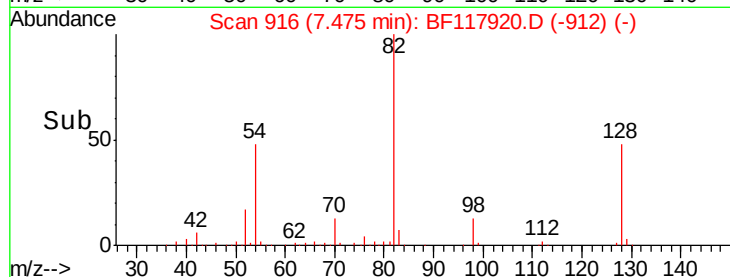
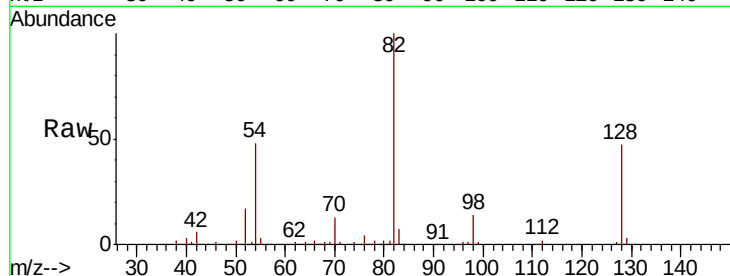
Tot Ion: 82 Resp: 301252

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 16.5 24.7#



#31

Naphthalene

Concen: 2.075 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

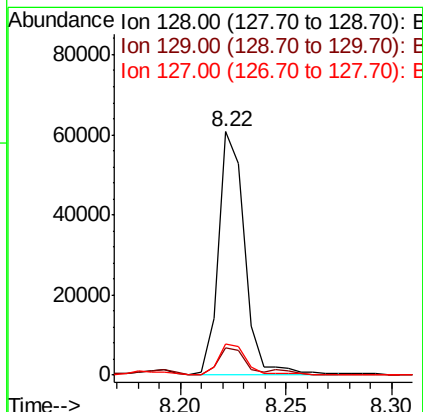
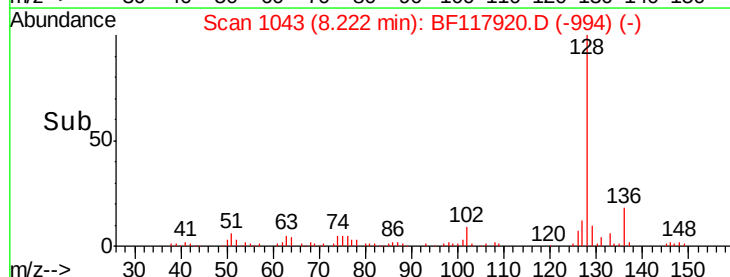
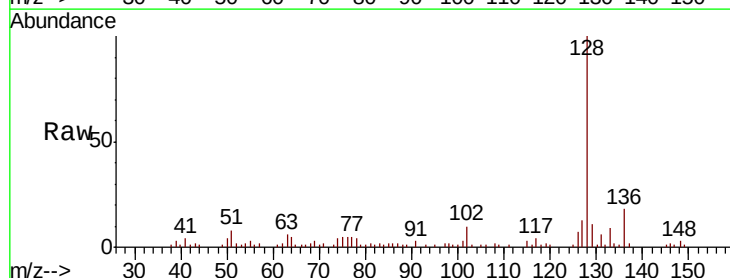
Tgt Ion: 128 Resp: 52643

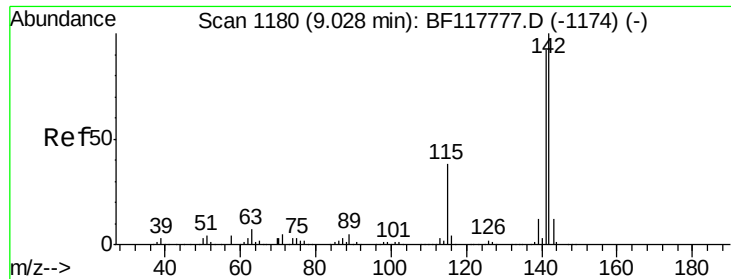
Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

127 12.9 11.3 16.9

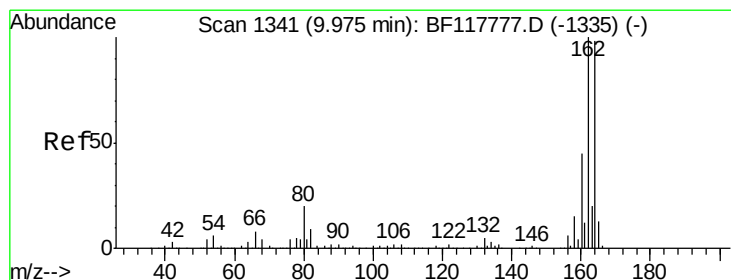
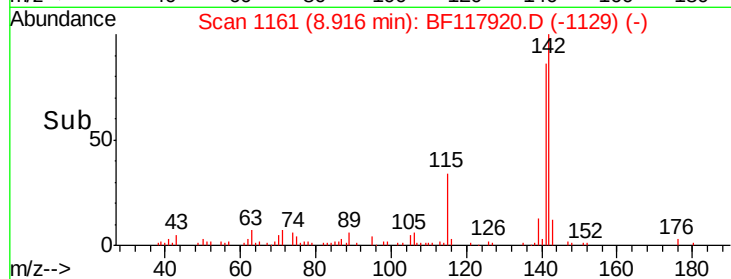
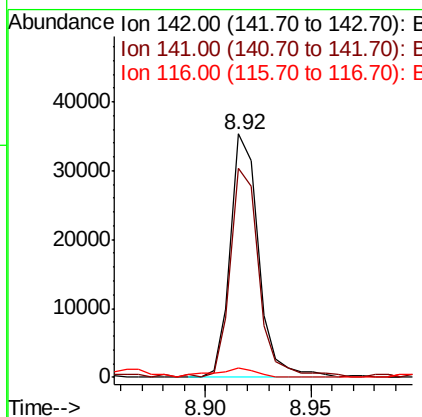
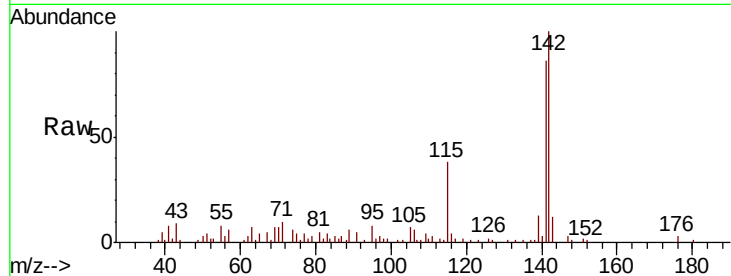




#38
 1-Methylnaphthalene
 Concen: 2.014 ng
 RT: 8.92 min Scan# 1161
 Delta R.T. -0.11 min
 Lab File: BF117920.D
 Acq: 21 Nov 2019 18:48

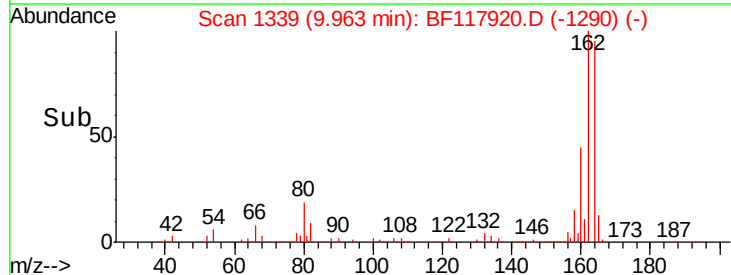
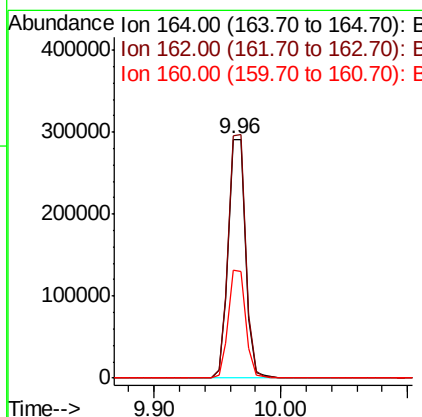
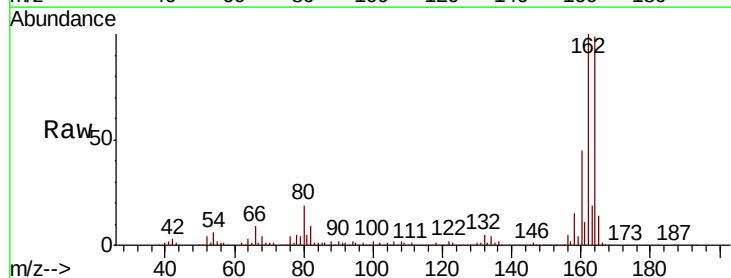
Instrument :
 BNA_F
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 SU-03-112019

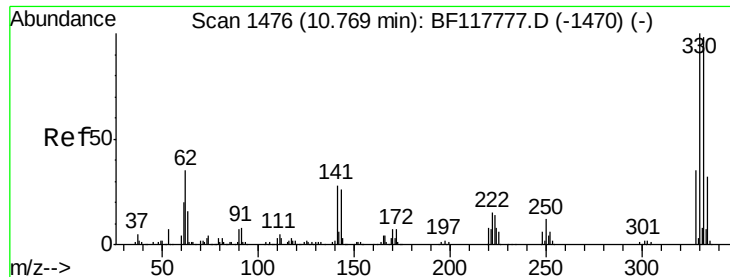
Tot Ion:142 Resp: 32643
 Ion Ratio Lower Upper
 142 100
 141 85.9 73.5 110.3
 116 4.1 3.2 4.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF117920.D
 Acq: 21 Nov 2019 18:48

Tgt Ion:164 Resp: 275266
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.3 121.9
 160 45.3 36.6 55.0

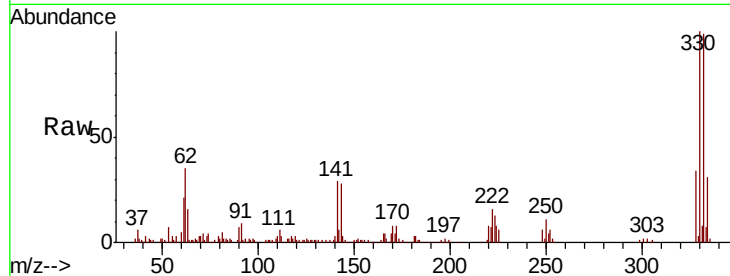




#42
 2,4,6-Tribromophenol
 Concen: 48.098 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117920.D
 Acq: 21 Nov 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112019

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.7	115.1
141	36.1	27.7	41.5

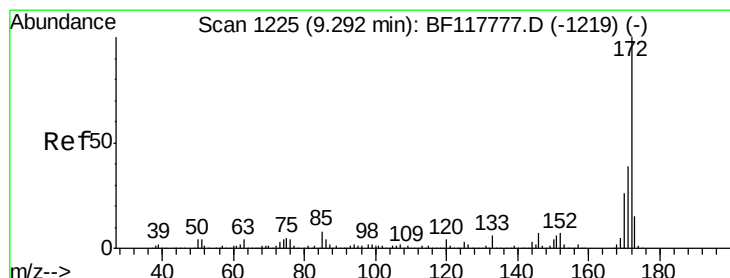
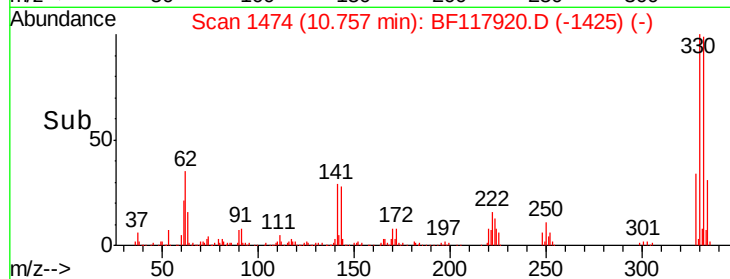
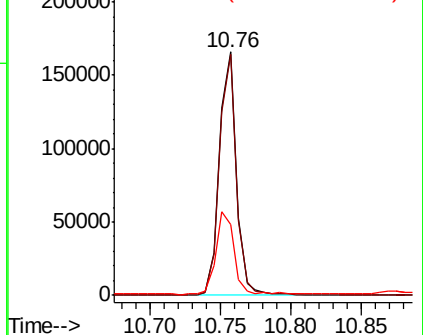


Abundance

Ion 329.80 (329.50 to 330.50): E

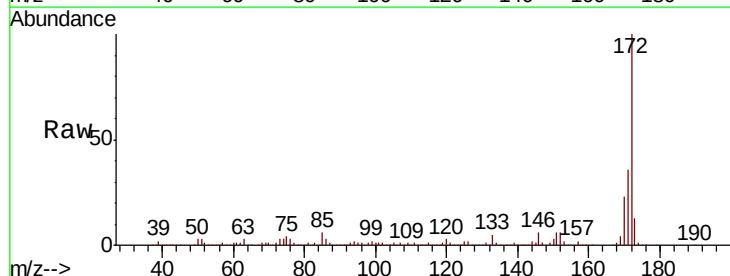
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 40.705 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117920.D
 Acq: 21 Nov 2019 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.9	46.3
170	23.4	21.0	31.4

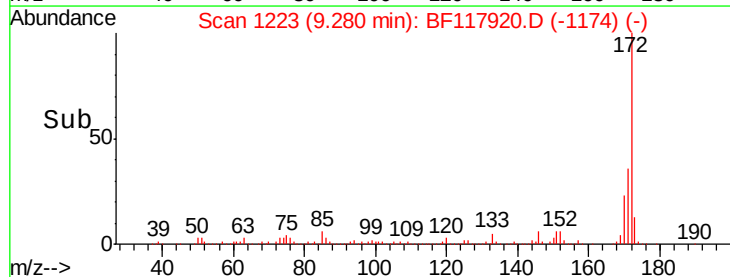
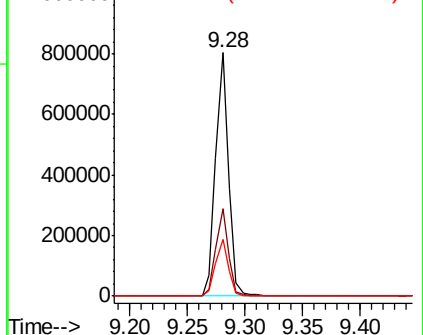


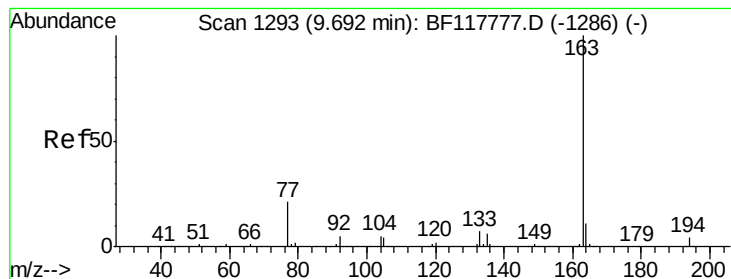
Abundance

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: 5.664 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

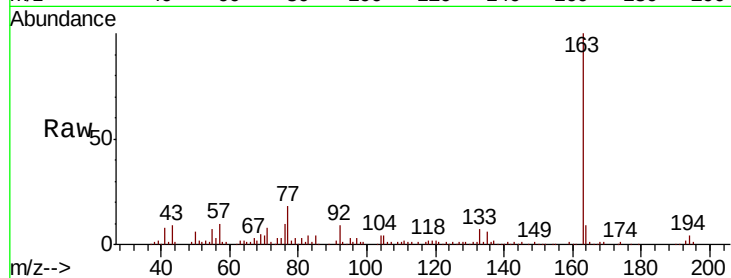
Tot Ion:163 Resp: 109324

Ion Ratio Lower Upper

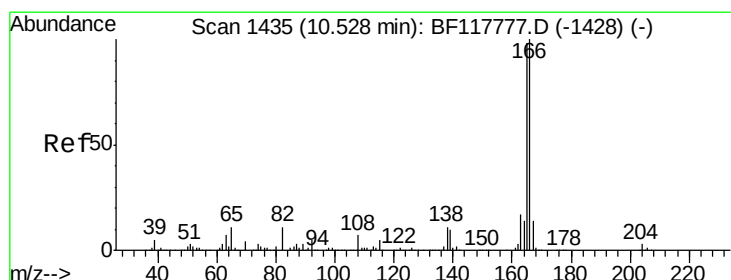
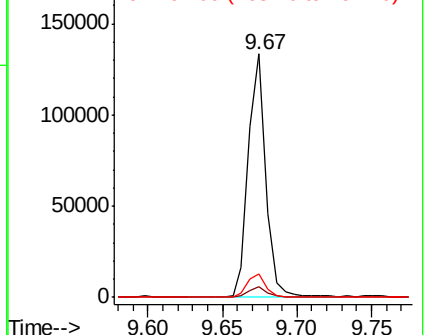
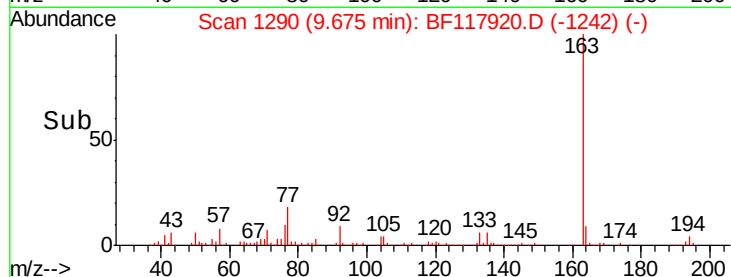
163 100

194 4.3 3.3 4.9

164 9.4 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



#58

Fluorene

Concen: 2.018 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

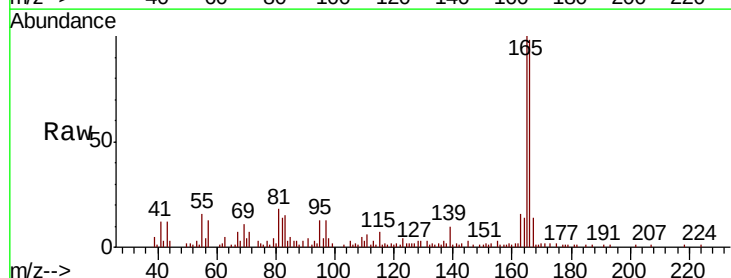
Tgt Ion:166 Resp: 33973

Ion Ratio Lower Upper

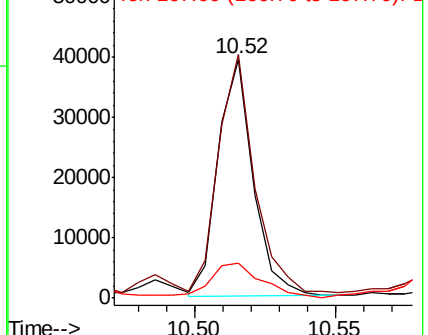
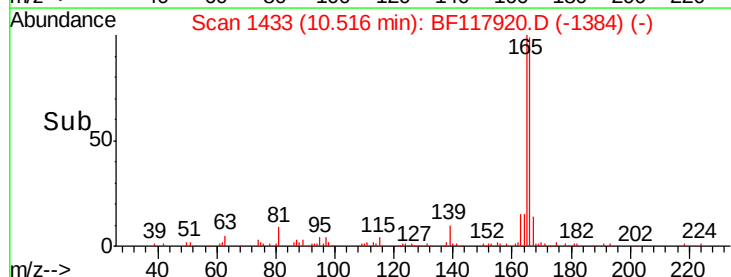
166 100

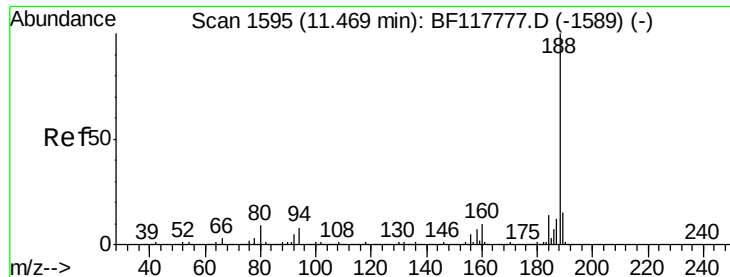
165 101.8 78.4 117.6

167 14.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

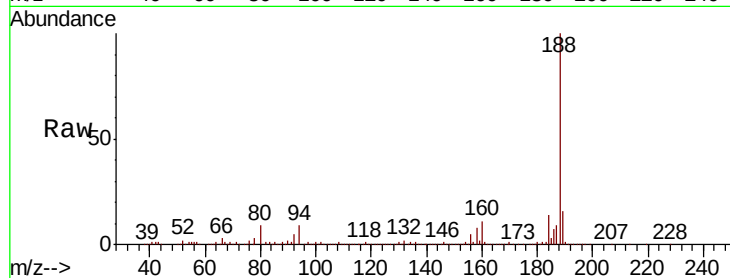




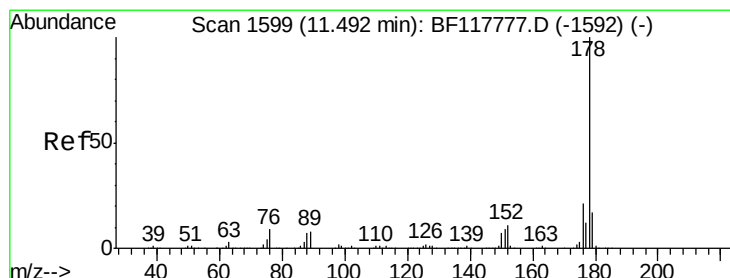
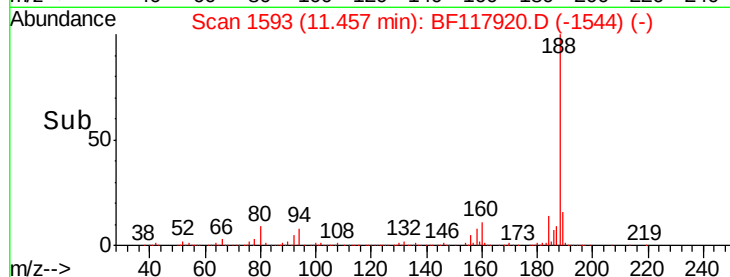
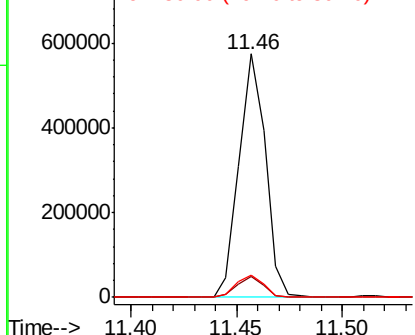
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Instrument :
BNA_F
ClientSampleId :
SU-03-112019

Tot Ion:188 Resp: 499318
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 8.9 7.2 10.8

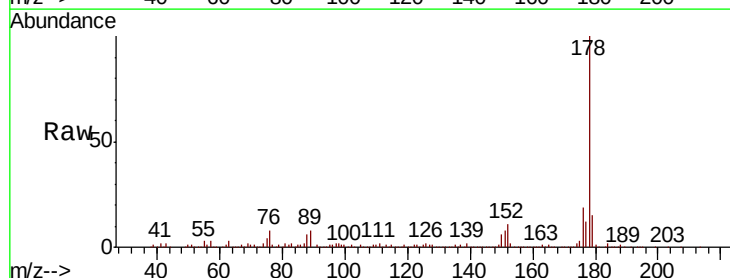


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

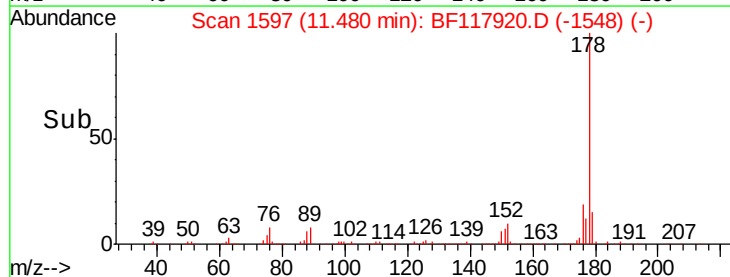
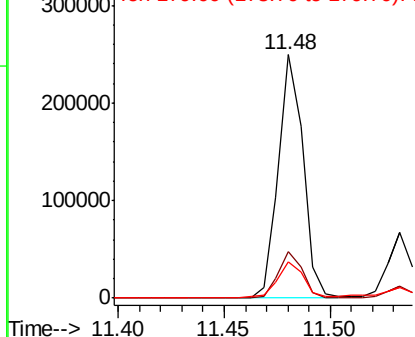


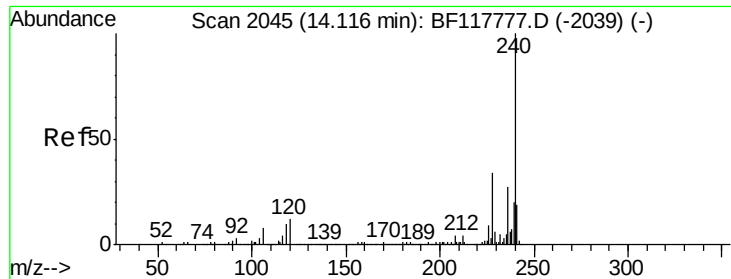
#71
Phenanthrene
Concen: 8.111 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Tgt Ion:178 Resp: 203616
Ion Ratio Lower Upper
178 100
176 18.9 16.6 25.0
179 15.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

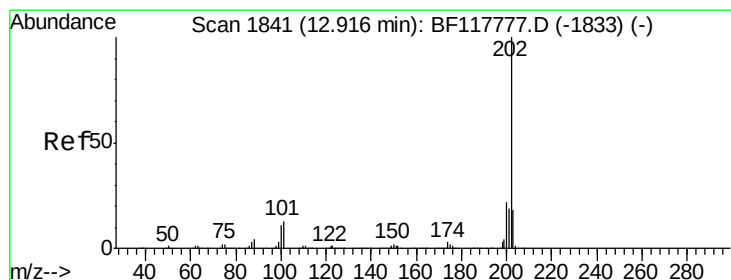
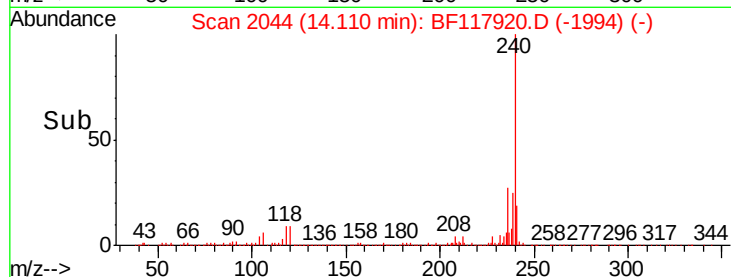
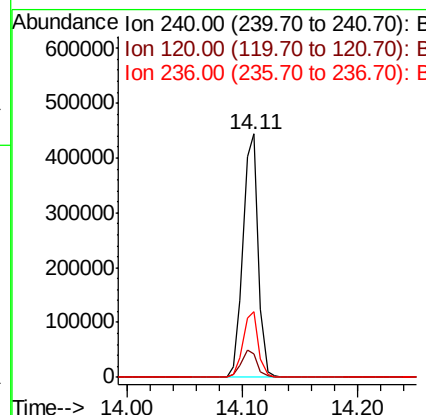
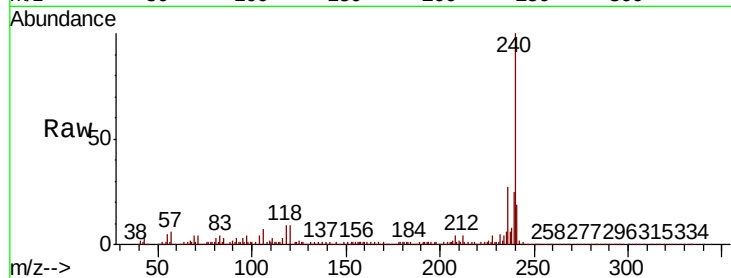




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

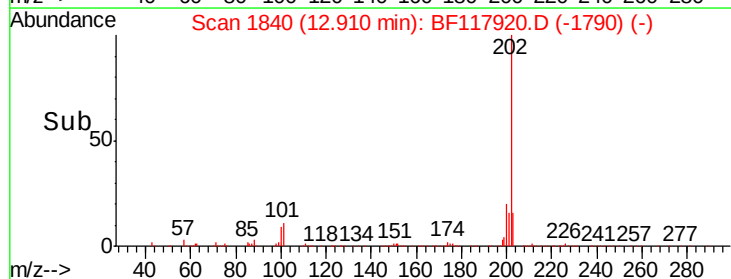
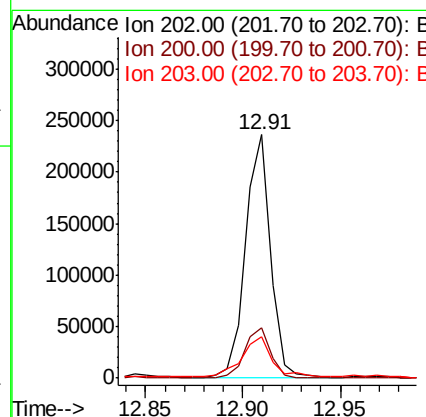
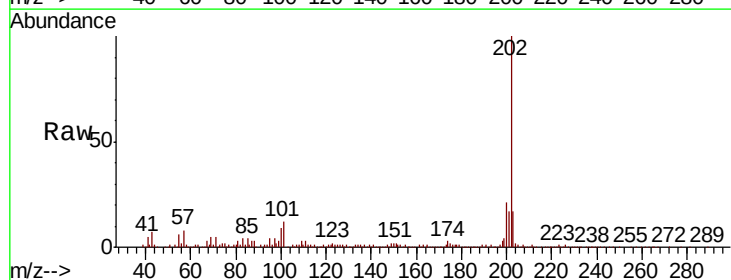
Instrument :
BNA_F
ClientSampleId :
SU-03-112019

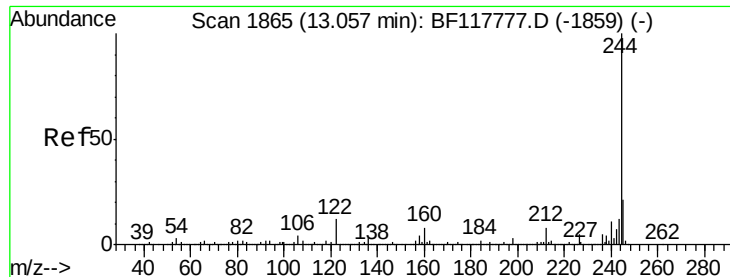
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	27.0	21.3	31.9



#78
Pyrene
Concen: 6.366 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.8
203	17.0	14.6	22.0





#79

Terphenyl-d14

Concen: 27.525 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

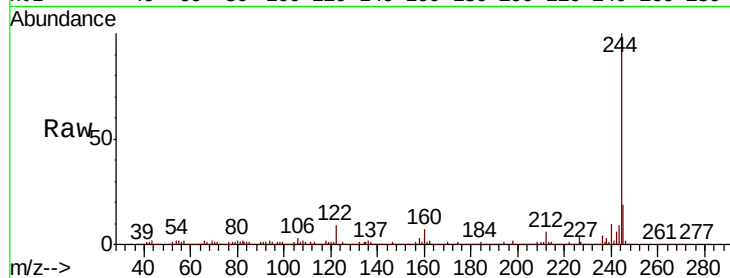
Tot Ion:244 Resp: 610214

Ion Ratio Lower Upper

244 100

212 6.5 6.3 9.5

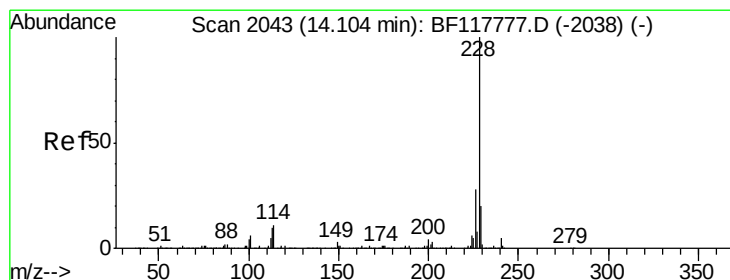
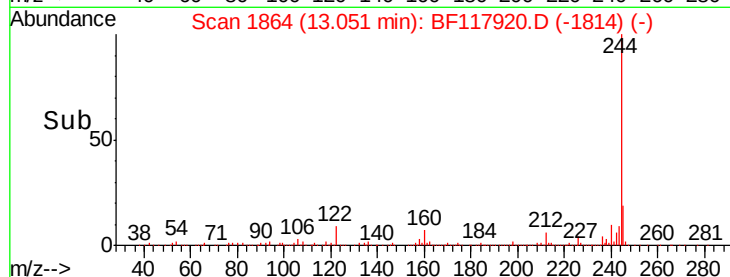
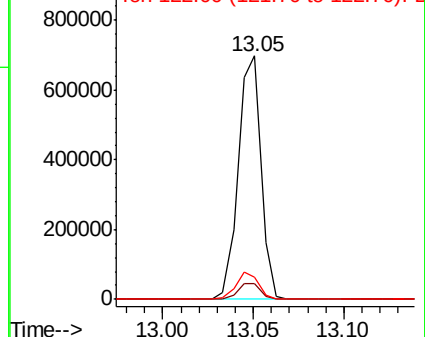
122 8.9 9.4 14.2#



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: 3.605 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.03 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

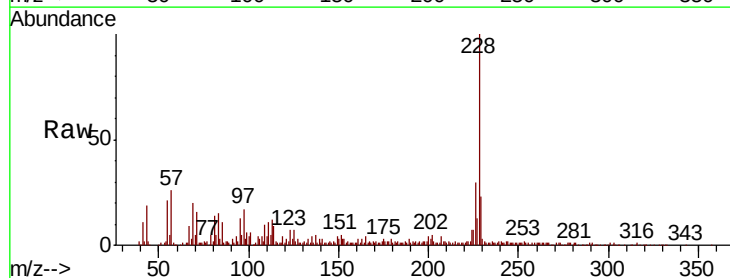
Tgt Ion:228 Resp: 96531

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

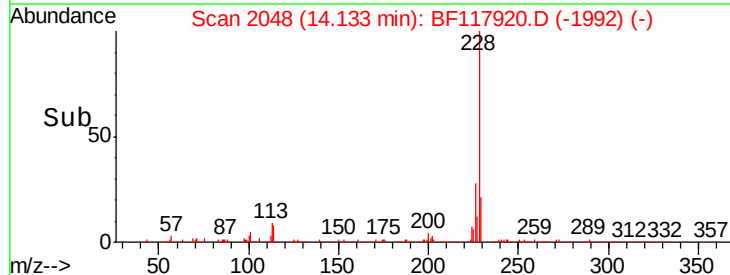
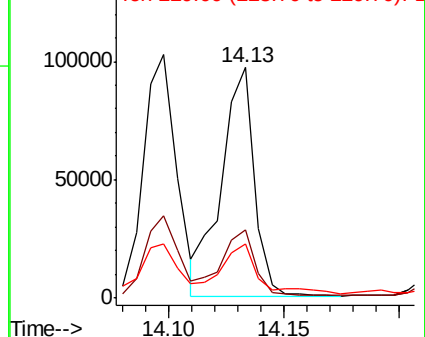
229 23.3 15.9 23.9

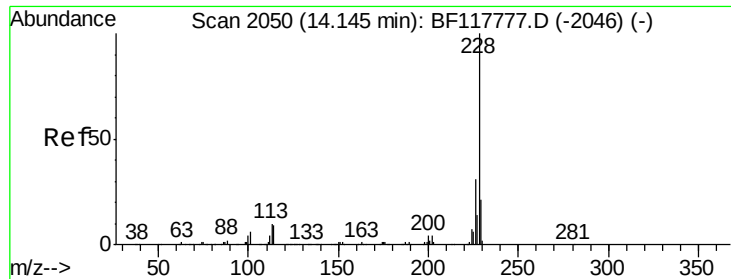


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

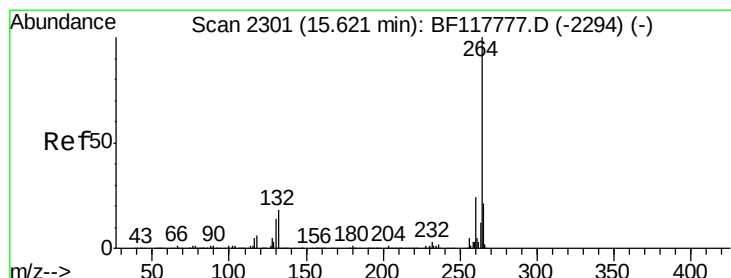
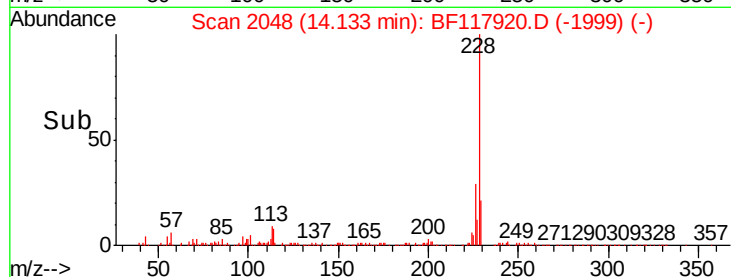
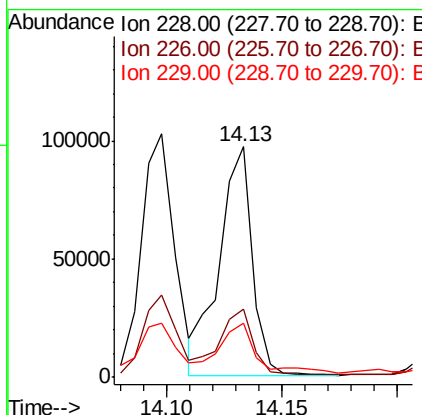
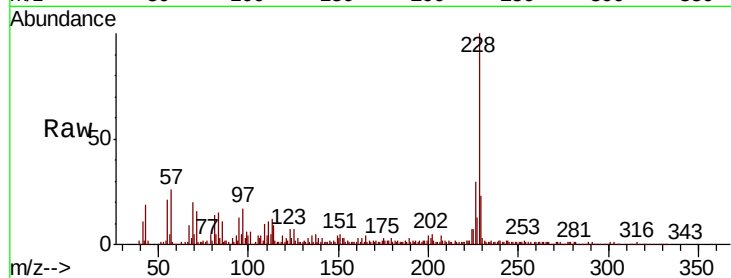




#83
Chrysene
Concen: 3.721 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

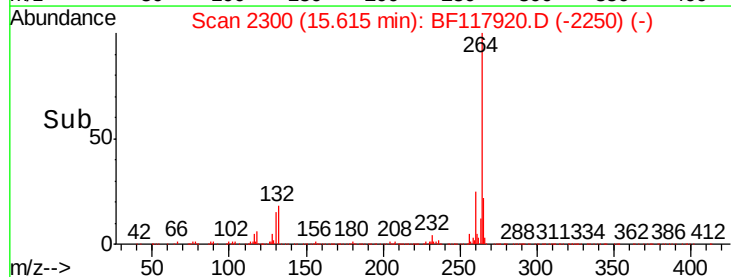
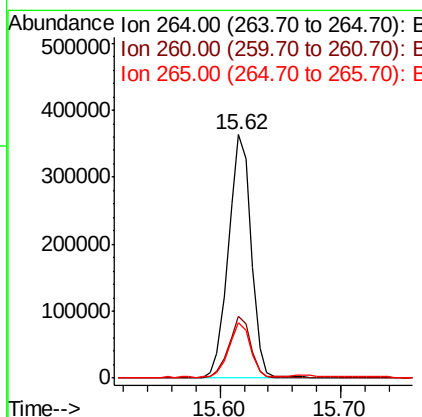
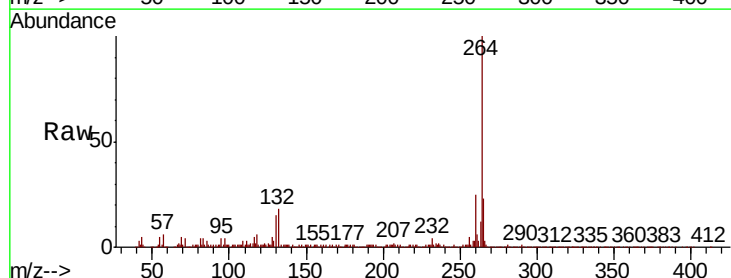
Instrument :
BNA_F
ClientSampleId :
SU-03-112019

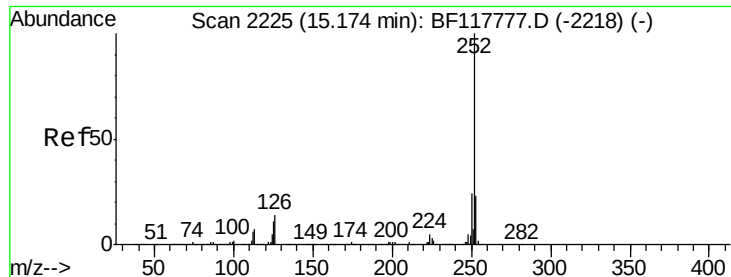
Tot Ion:228	Resp:	96531
Ion	Ratio	Lower Upper
228	100	
226	29.5	25.0 37.4
229	23.3	16.6 25.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Tgt Ion:264	Resp:	473442
Ion	Ratio	Lower Upper
264	100	
260	25.4	19.4 29.0
265	22.8	17.1 25.7

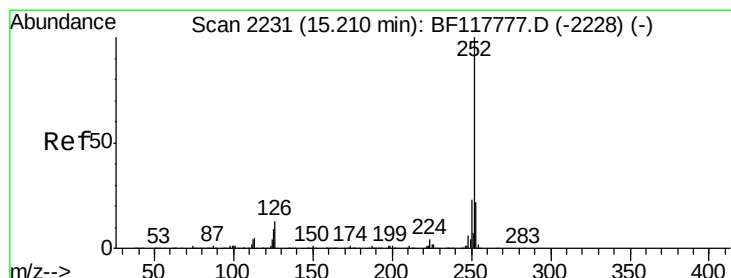
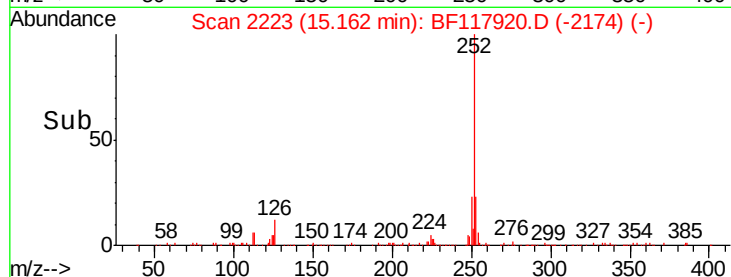
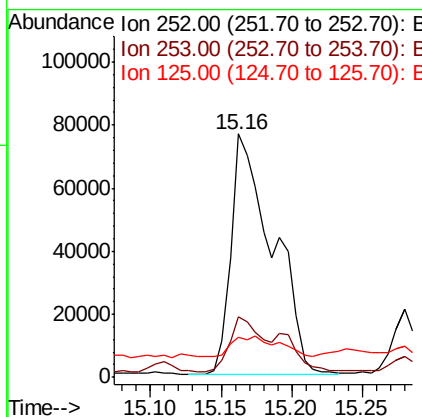
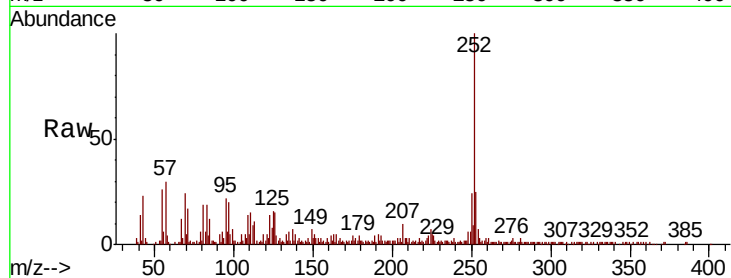




#88
Benzo(b)fluoranthene
Concen: 5.108 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

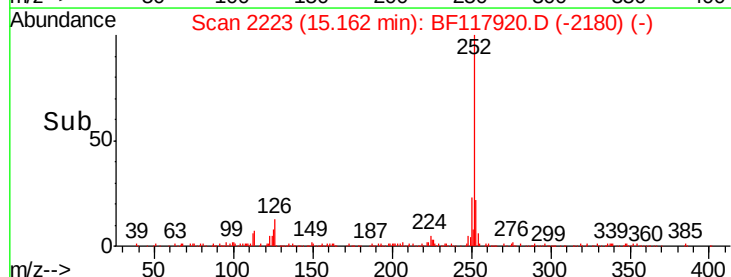
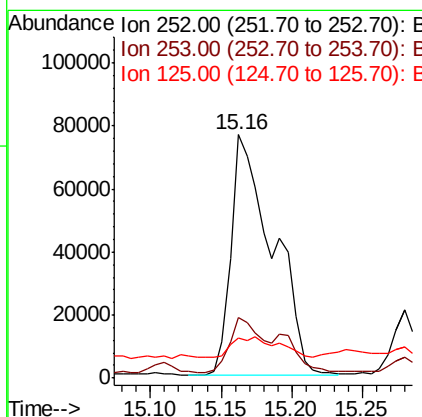
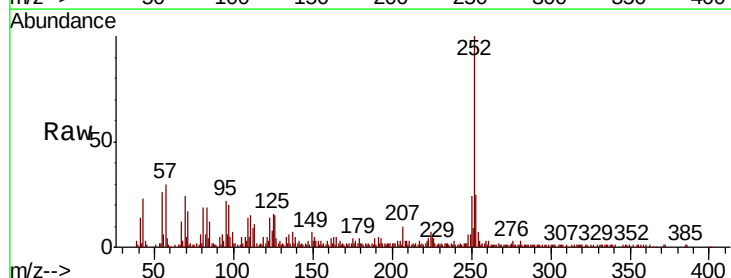
Instrument :
BNA_F
ClientSampleId :
SU-03-112019

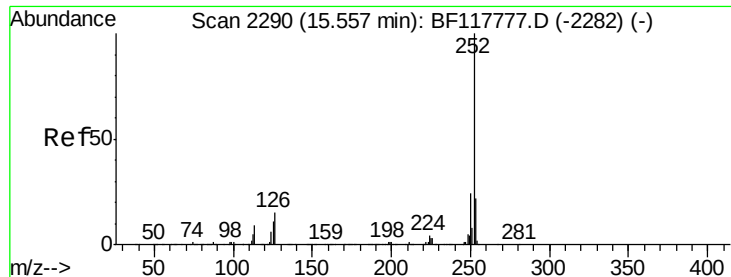
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	16.4	8.6	13.0#



#89
Benzo(k)fluoranthene
Concen: 5.421 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117920.D
Acq: 21 Nov 2019 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	16.4	7.9	11.9#





#90

Benzo(a)pyrene

Concen: 3.436 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BF117920.D

Acq: 21 Nov 2019 18:48

Instrument :

BNA_F

ClientSampleId :

SU-03-112019

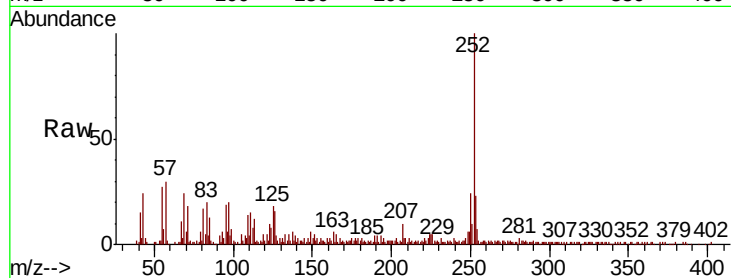
Tot Ion:252 Resp: 92939

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 17.7 9.2 13.8#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

