

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118041.D
 Acq On : 27 Nov 2019 15:25
 Operator : JU
 Sample : K6021-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 16:04:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	139545	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	551720	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	289061	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	502997	20.00	ng	0.00
76) Chrysene-d12	14.07	240	312685	20.00	ng	-0.01
87) Perylene-d12	15.58	264	366447	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	730231	92.63	ng	0.00
7) Phenol-d6	6.51	99	1014862	106.73	ng	-0.01
23) Nitrobenzene-d5	7.45	82	617276	66.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	233401	76.27	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1122038	69.64	ng	-0.02
79) Terphenyl-d14	13.02	244	1035569	60.53	ng	-0.01

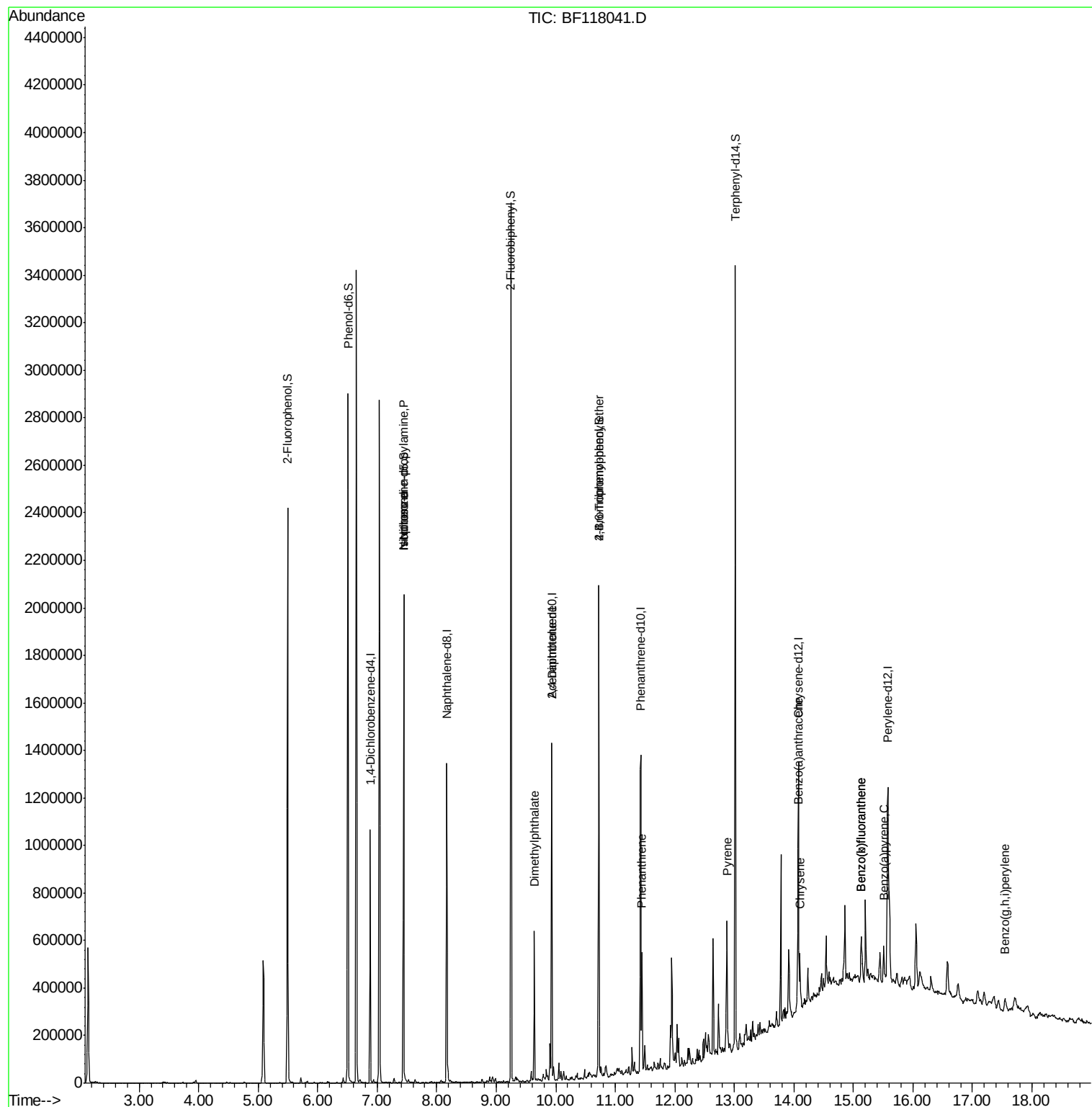
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3696	Below Cal		# 72
19) n-Nitroso-di-n-propylamine	7.45	70	85166	14.518	ng	# 73
25) Isophorone	7.45	82	617270	36.287	ng	# 62
50) Dimethylphthalate	9.64	163	214455	10.580	ng	98
57) 2,4-Dinitrotoluene	9.93	165	37397	6.636	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	14985	2.761	ng	# 1
71) Phenanthrene	11.45	178	186516	7.375	ng	99
78) Pyrene	12.87	202	219593	8.690	ng	98
81) Benzo(a)anthracene	14.06	228	96238	4.658	ng	98
83) Chrysene	14.10	228	103339	5.161	ng	96
88) Benzo(b)fluoranthene	15.13	252	140166	5.887	ng	# 96
89) Benzo(k)fluoranthene	15.13	252	140166	6.248	ng	# 95
90) Benzo(a)pyrene	15.51	252	73674	3.519	ng	96
92) Benzo(a,h,i)perylene	17.55	276	40974	2.283	ng	94

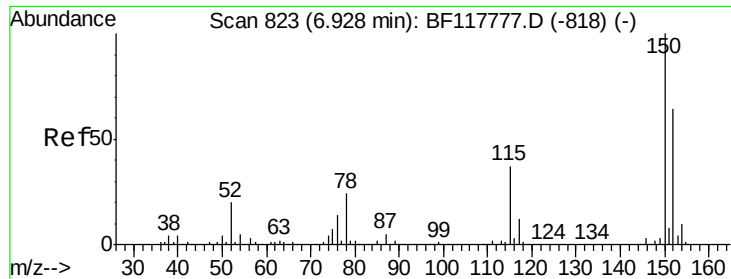
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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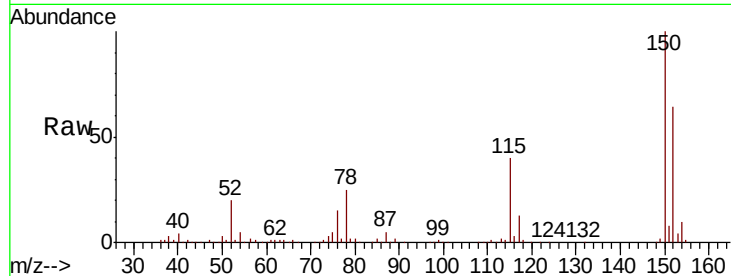


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.3	187.9
115	63.0	47.0	70.4

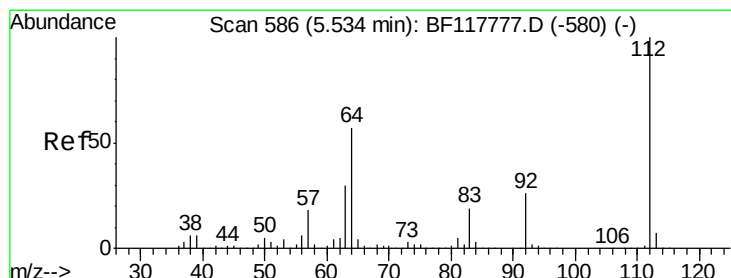
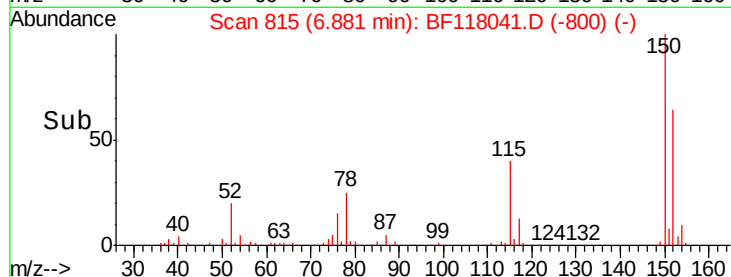
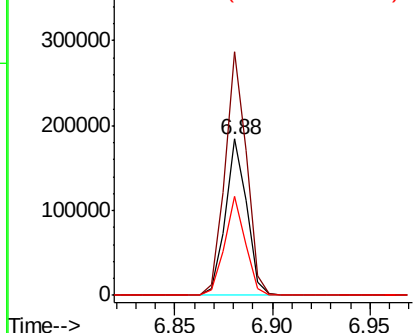


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

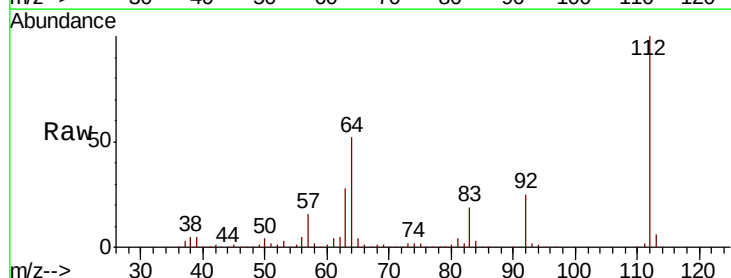
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.629 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.6	68.4
63	27.8	24.1	36.1

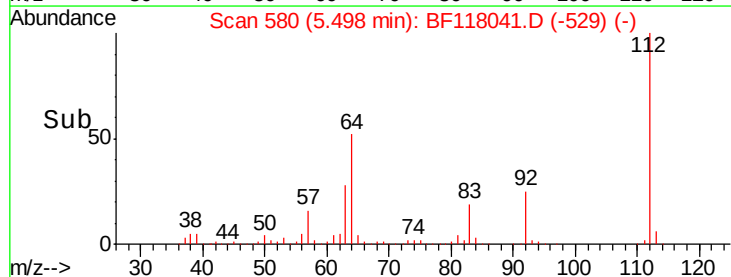
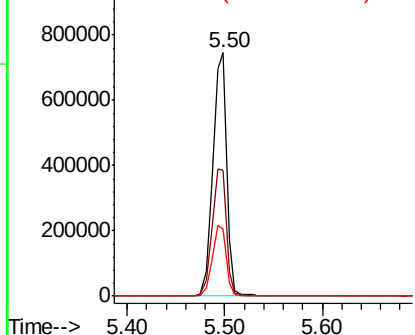


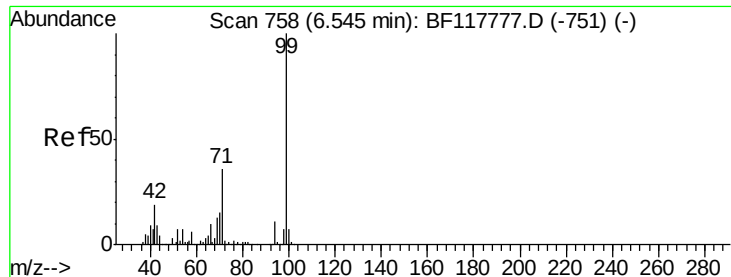
Abundance

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: 106.730 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

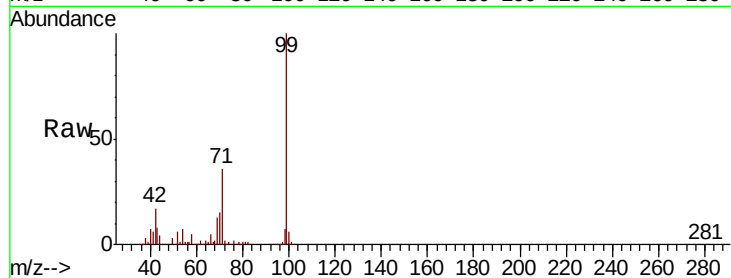
Tot Ion: 99 Resp: 1014862

Ion Ratio Lower Upper

99 100

42 16.9 14.9 22.3

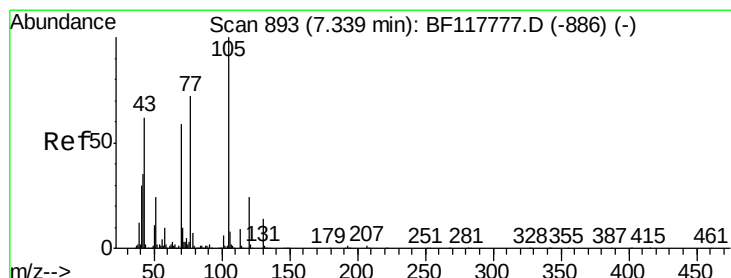
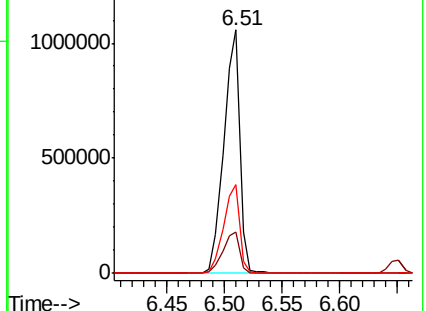
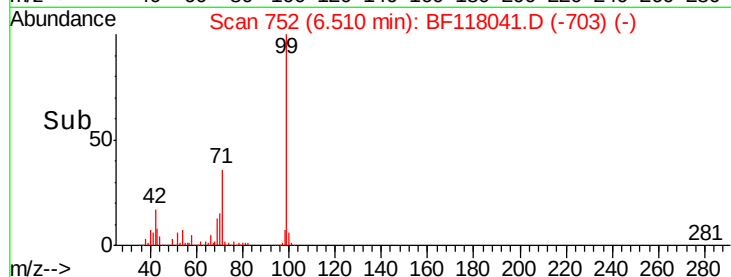
71 36.3 28.6 43.0



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: 14.518 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Tgt Ion: 70 Resp: 85166

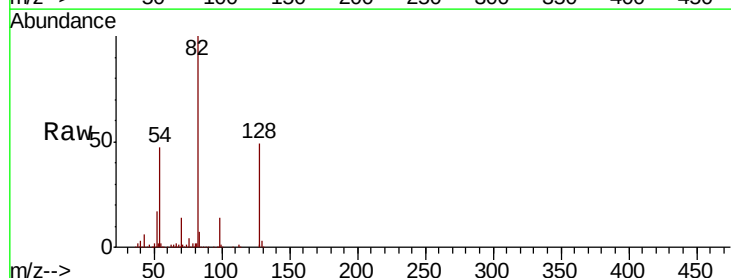
Ion Ratio Lower Upper

70 100

42 44.4 47.4 71.2#

101 0.0 8.4 12.6#

130 2.3 18.8 28.2#

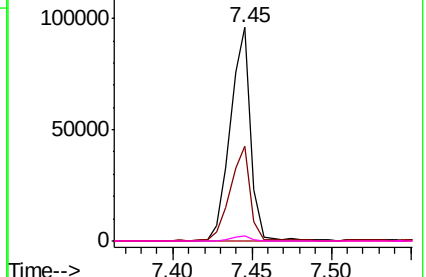
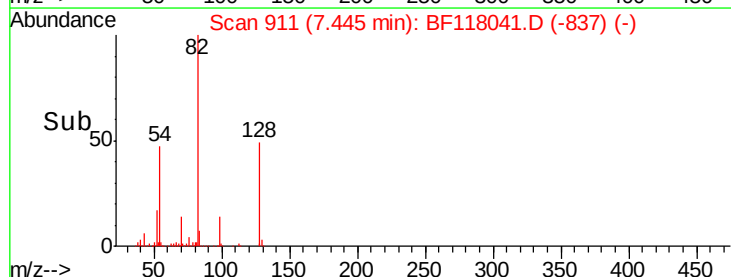


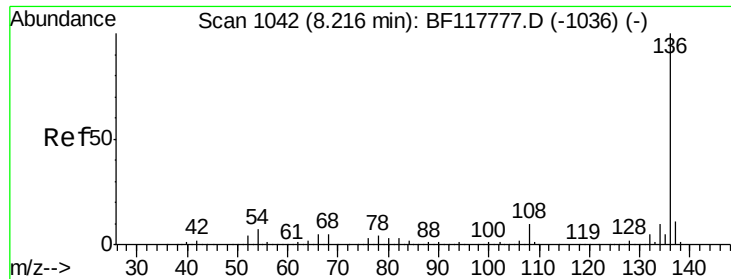
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

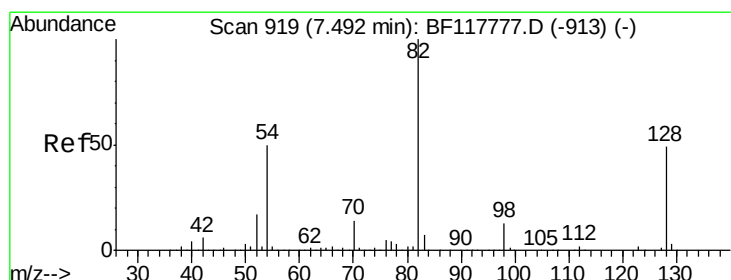
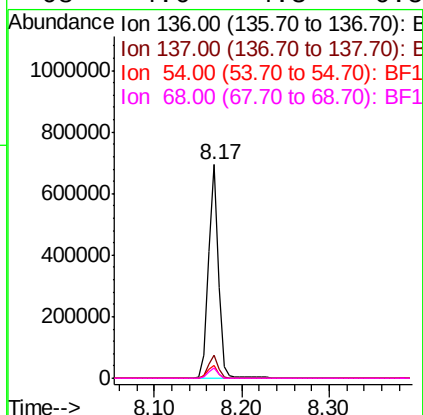
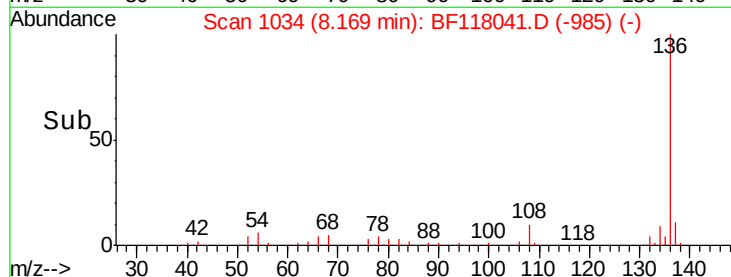
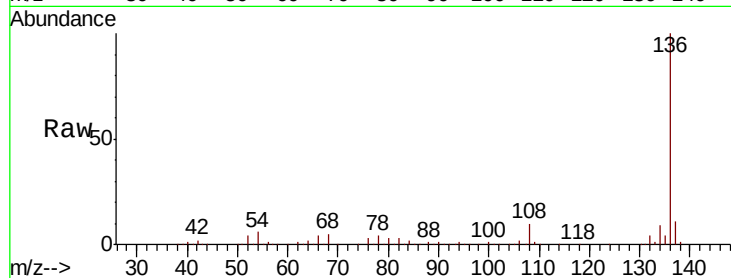




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

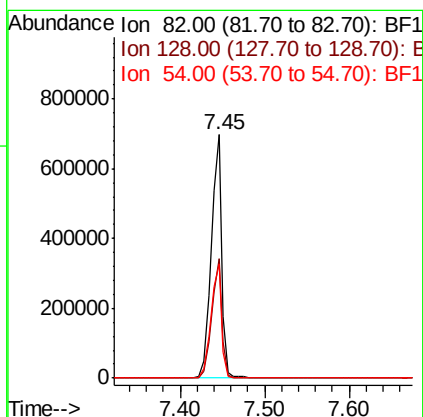
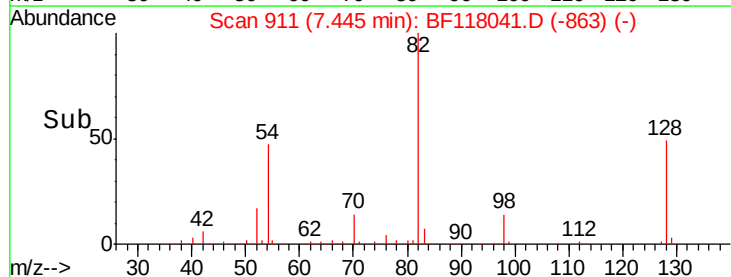
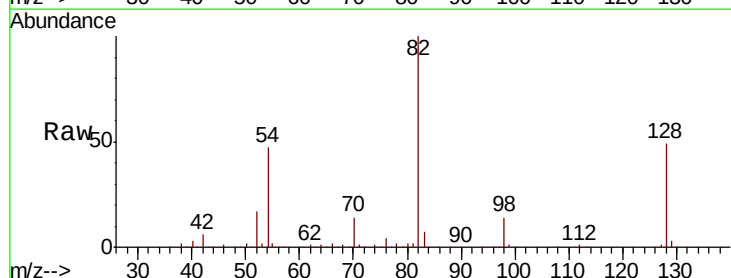
Instrument :
BNA_F
ClientSampleId :

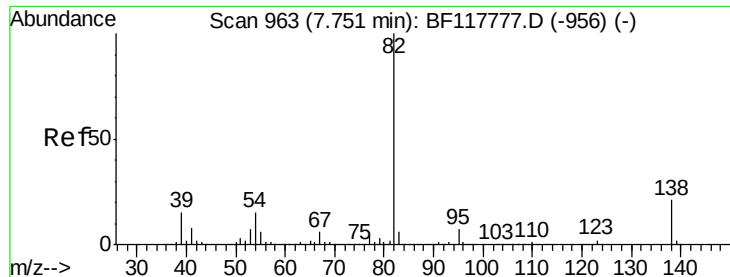
Tot Ion:136	Resp:	551720
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	6.1	5.4 8.2
68	4.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 66.509 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion: 82	Resp:	617276
Ion Ratio	Lower	Upper
82	100	
128	49.1	38.9 58.3
54	46.9	39.8 59.6

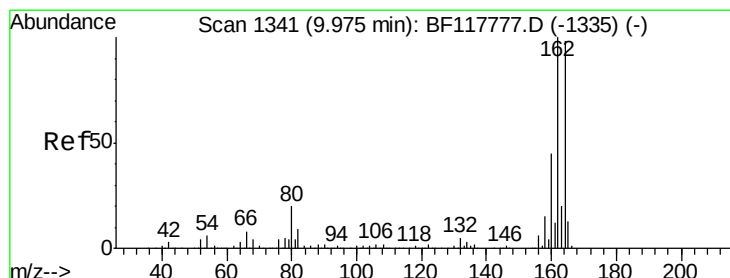
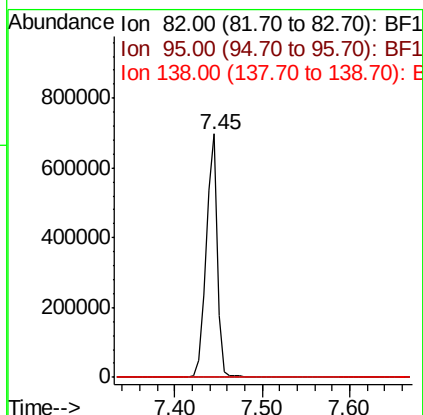
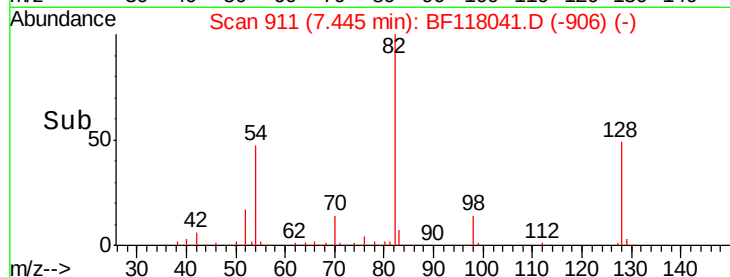
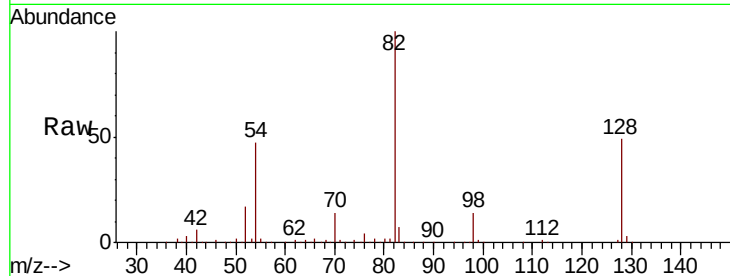




#25
Isophorone
Concen: 36.287 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

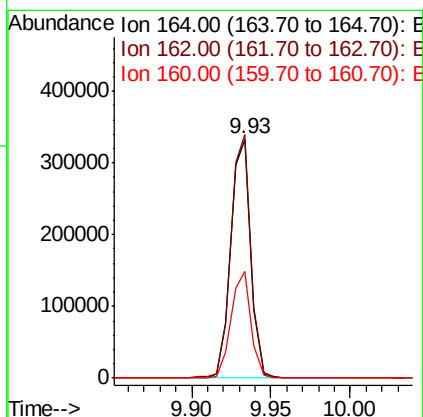
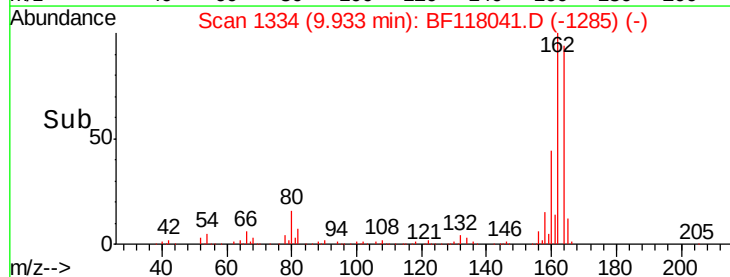
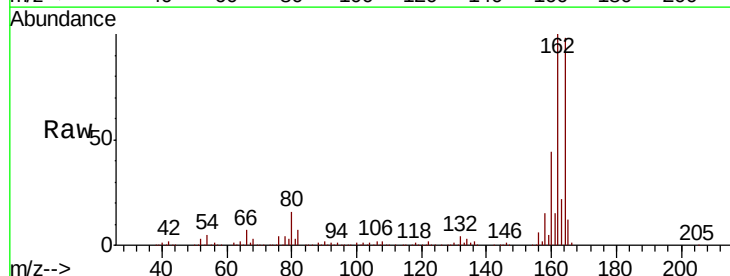
Instrument :
BNA_F
ClientSampleId :

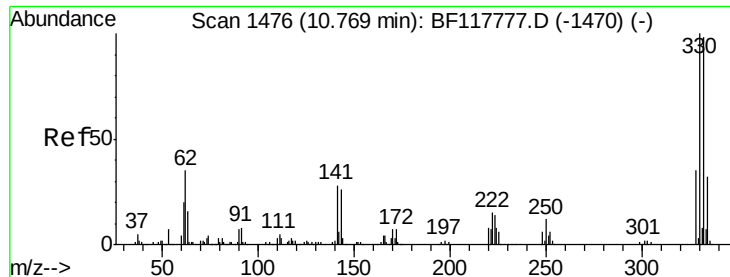
Tot Ion: 82 Resp: 617270
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion:164 Resp: 289061
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.6 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 76.268 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

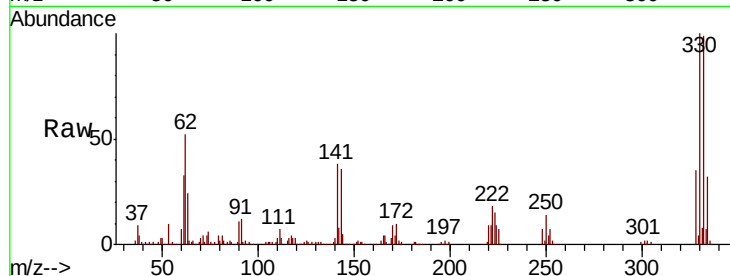
Tot Ion:330 Resp: 233401

Ion Ratio Lower Upper

330 100

332 97.8 76.7 115.1

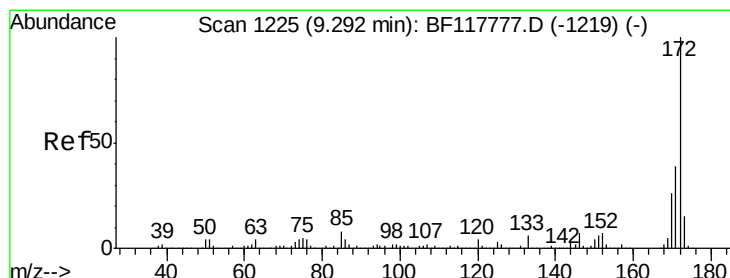
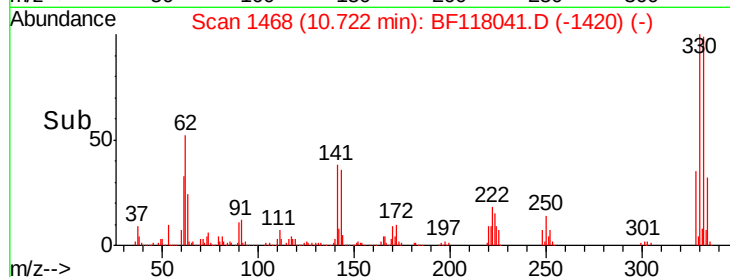
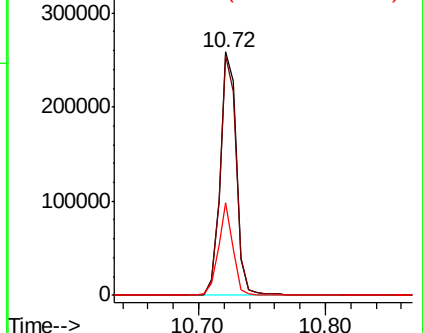
141 34.8 27.7 41.5



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: 69.638 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

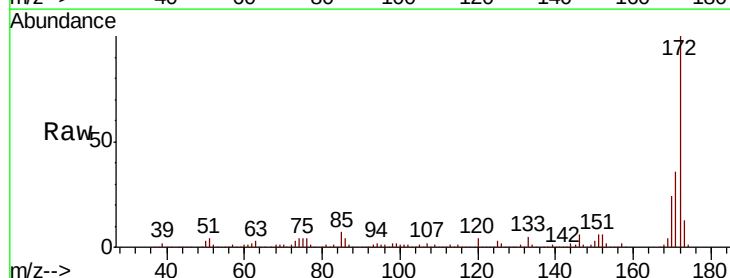
Tgt Ion:172 Resp: 1122038

Ion Ratio Lower Upper

172 100

171 35.6 30.9 46.3

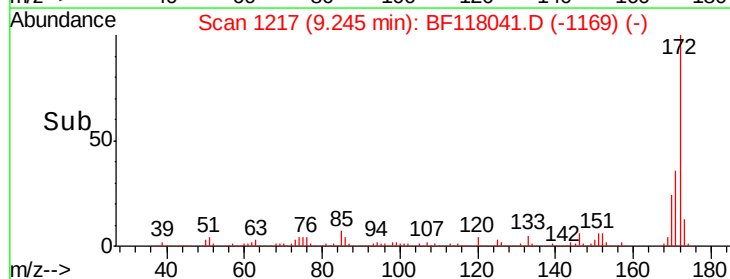
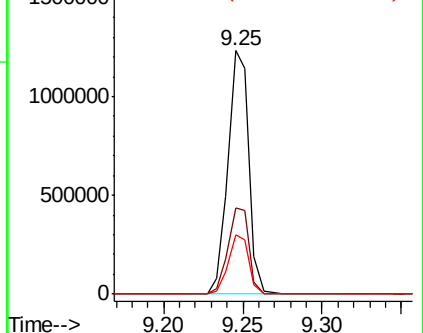
170 24.1 21.0 31.4

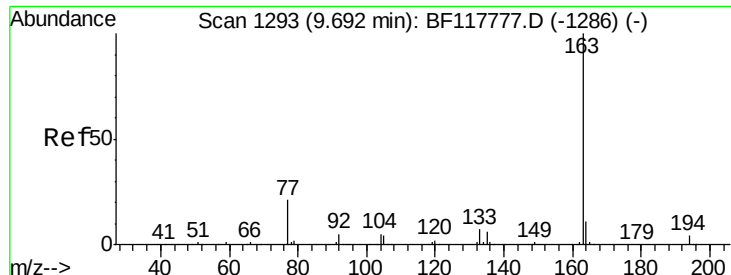


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

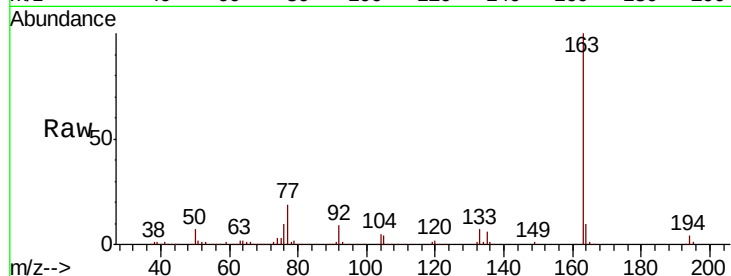




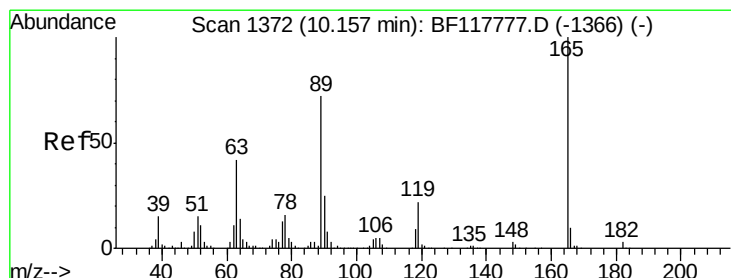
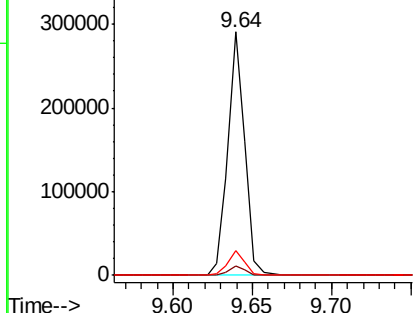
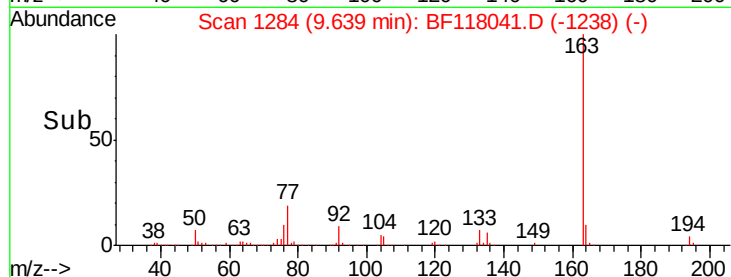
#50
Dimethylphthalate
Concen: 10.580 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.2	8.7	13.1

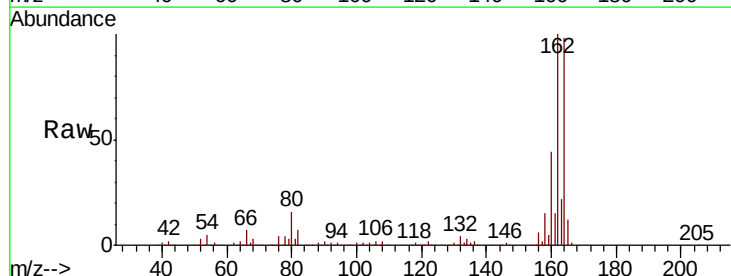


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

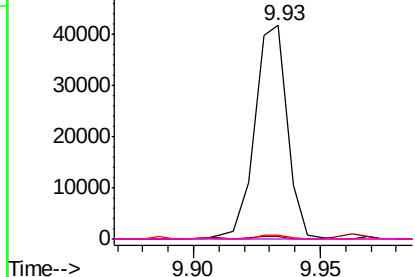
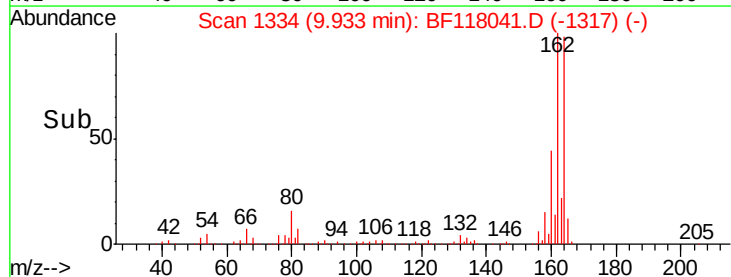


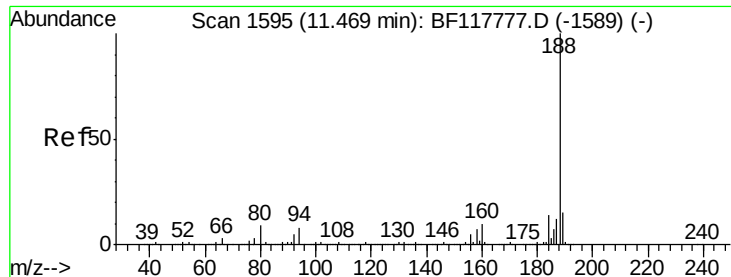
#57
2,4-Dinitrotoluene
Concen: 6.636 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.20 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	1.6	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: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

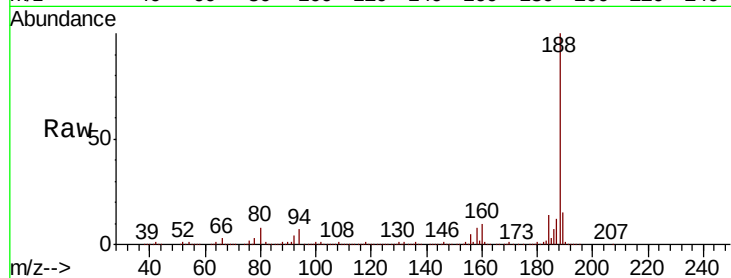
Tot Ion:188 Resp: 502997

Ion Ratio Lower Upper

188 100

94 7.3 6.6 10.0

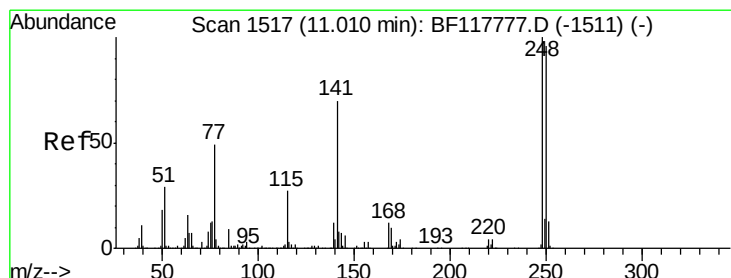
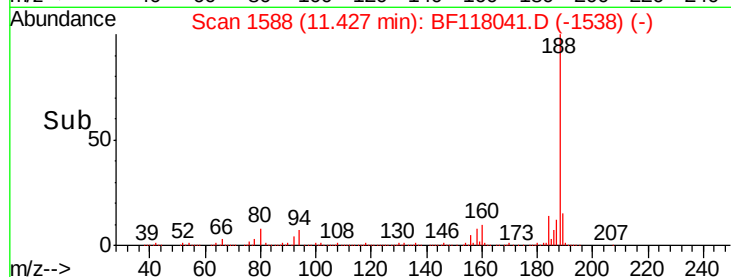
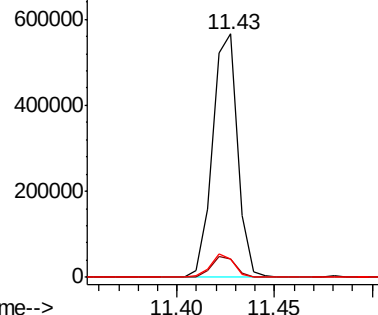
80 7.7 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.761 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.25 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

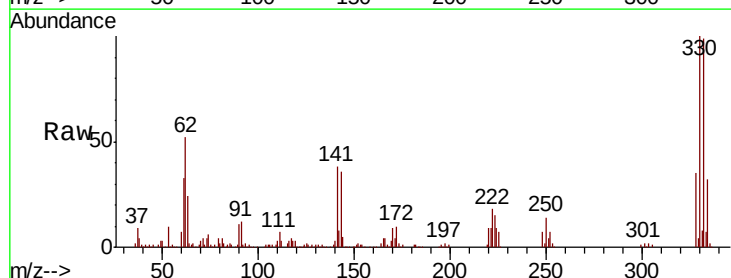
Tgt Ion:248 Resp: 14985

Ion Ratio Lower Upper

248 100

250 190.6 76.6 115.0#

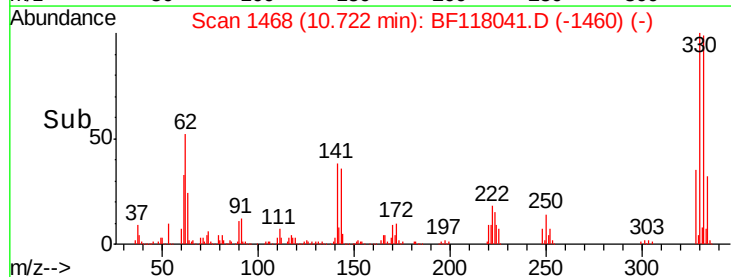
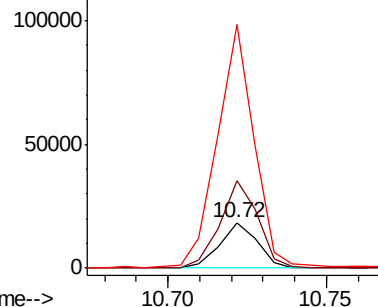
141 533.2 55.9 83.9#

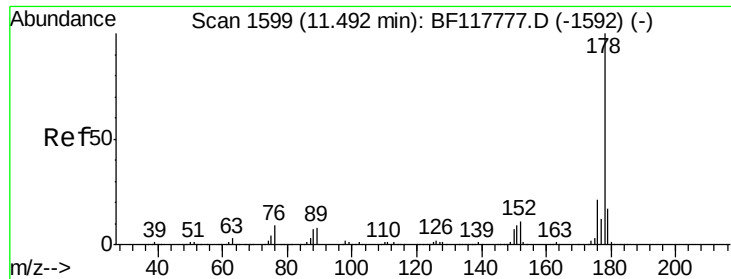


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 7.375 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampled :

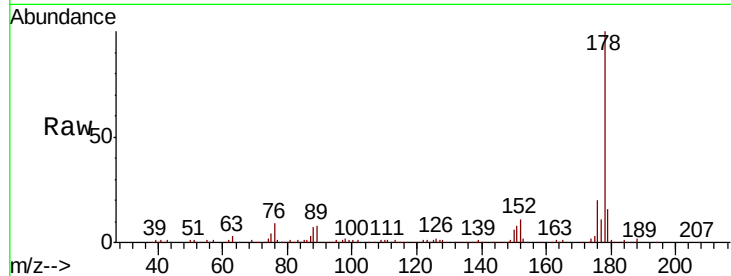
Tot Ion:178 Resp: 186516

Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

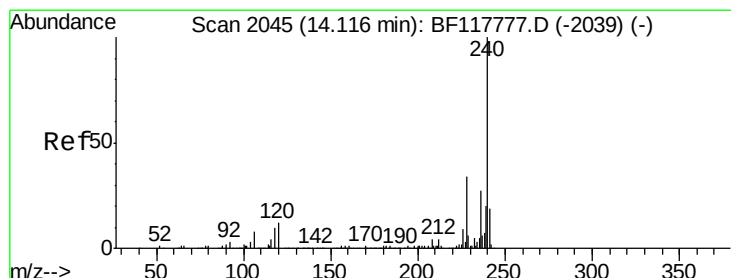
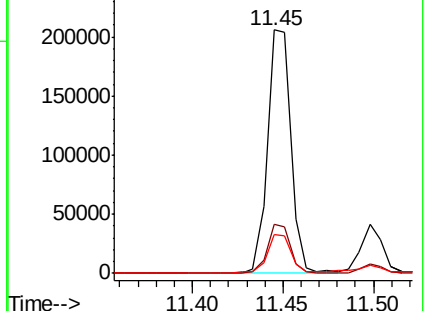
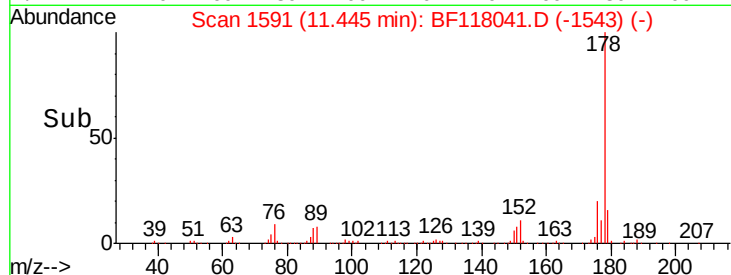
179 15.9 13.2 19.8



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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

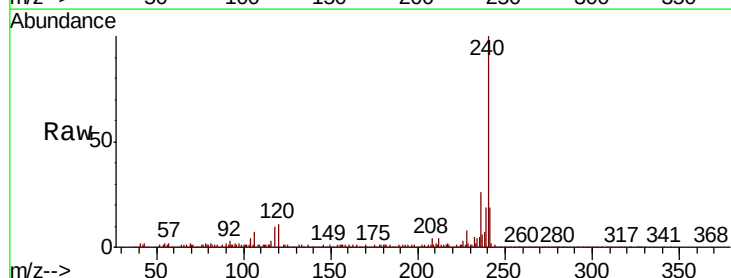
Tgt Ion:240 Resp: 312685

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

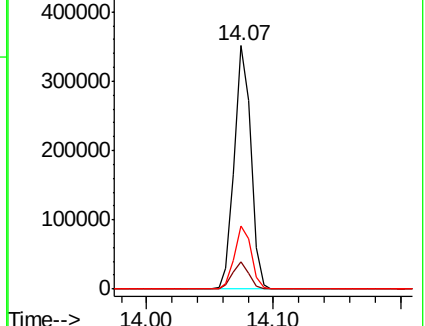
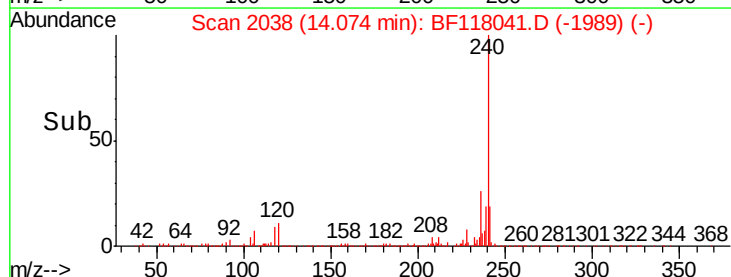
236 26.2 21.3 31.9

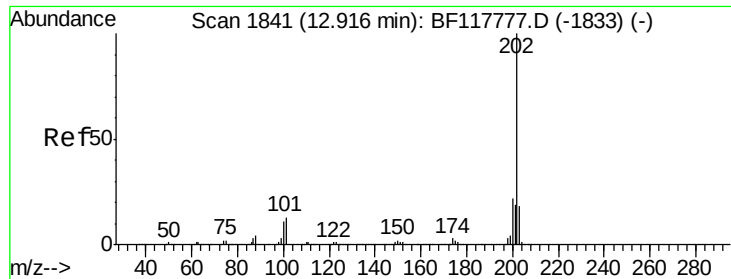


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

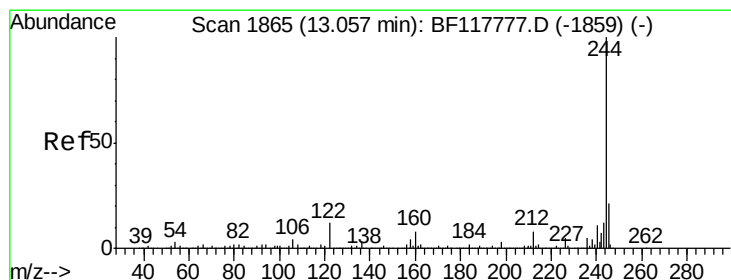
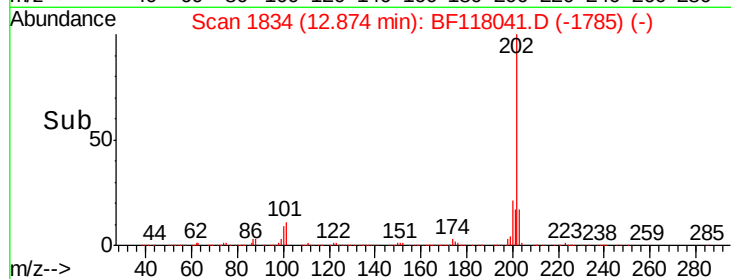
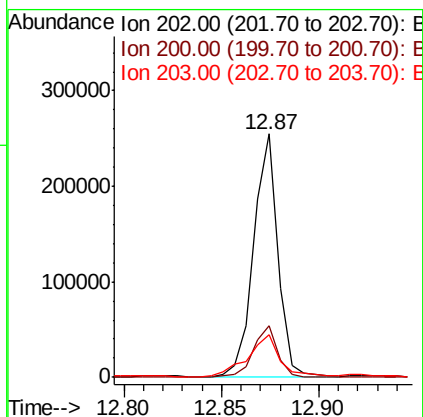
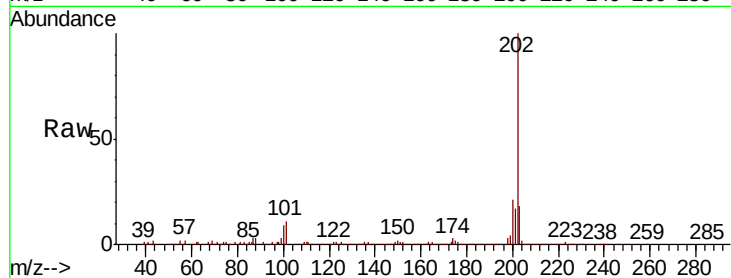




#78
Pvrene
Concen: 8.690 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

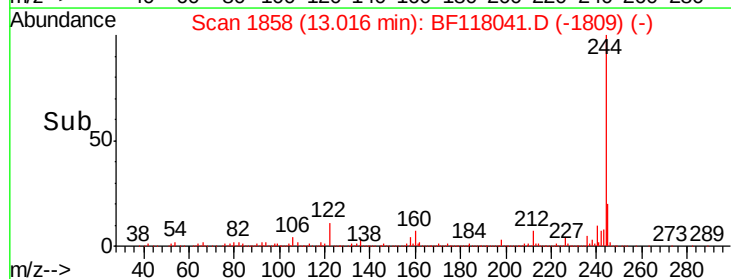
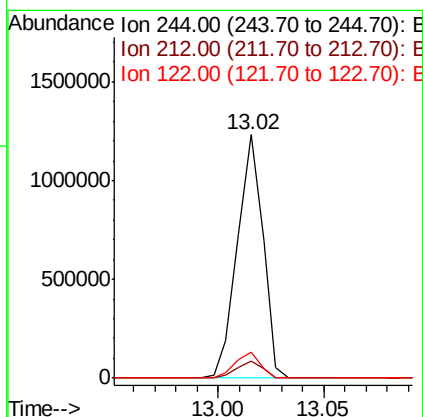
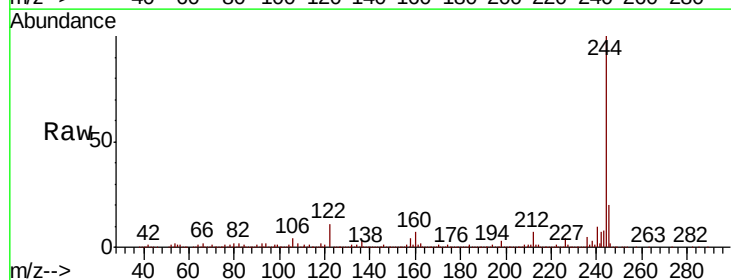
Instrument :
BNA_F
ClientSampleId :

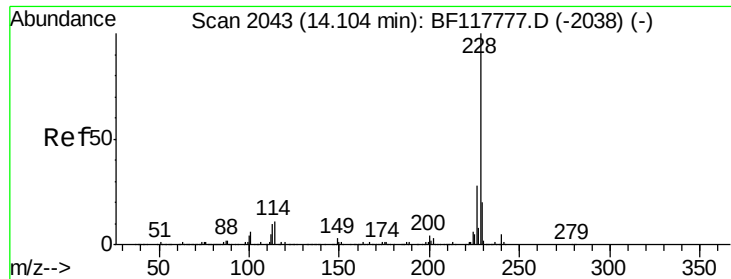
Tot Ion:202 Resp: 219593
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.8
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: 60.528 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion:244 Resp: 1035569
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 10.8 9.4 14.2

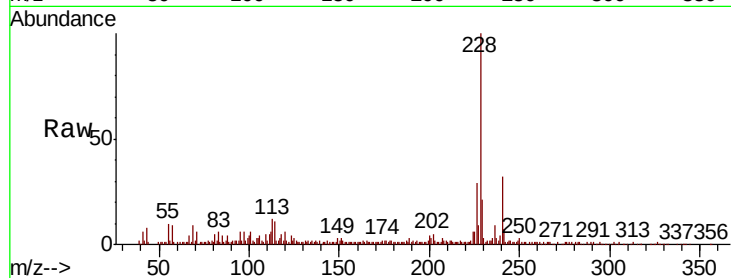




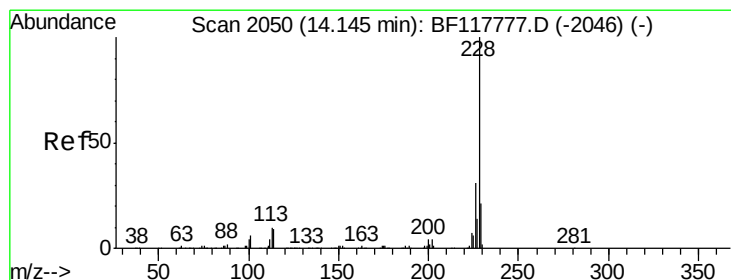
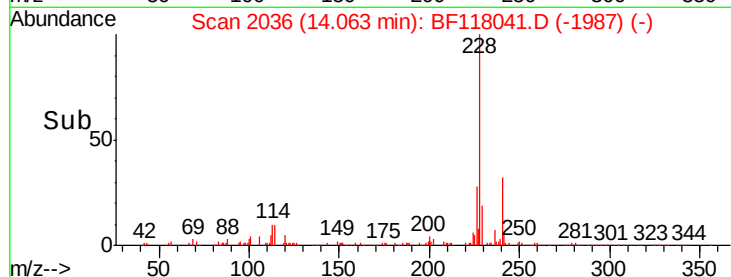
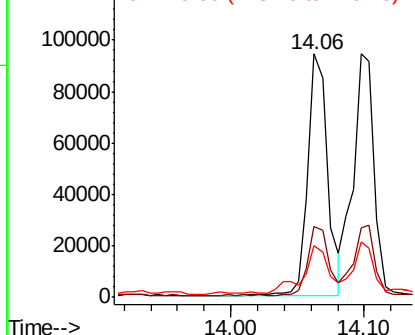
#81
Benzo(a)anthracene
Concen: 4.658 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 96238
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.2
229 21.0 15.9 23.9

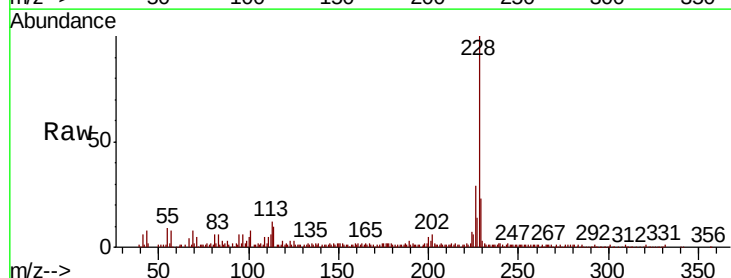


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

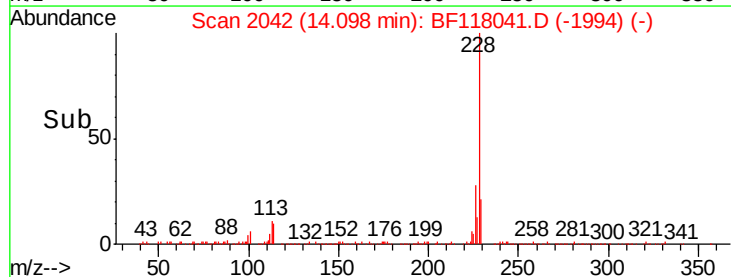
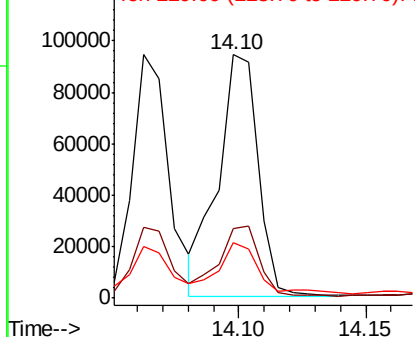


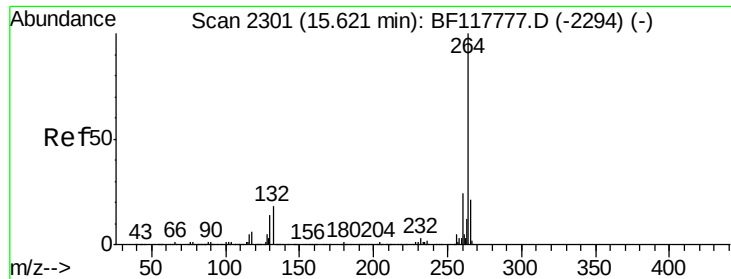
#83
Chrysene
Concen: 5.161 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion:228 Resp: 103339
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.4
229 22.7 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



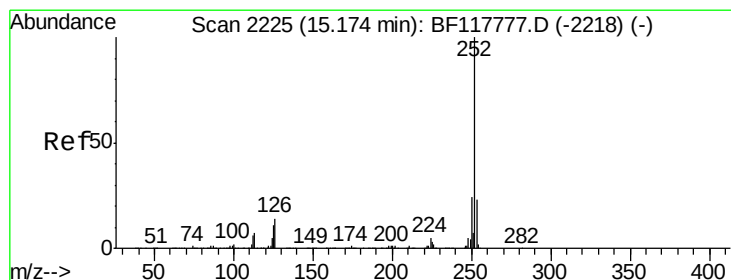
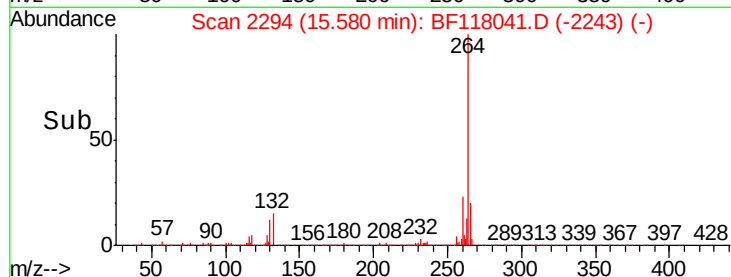
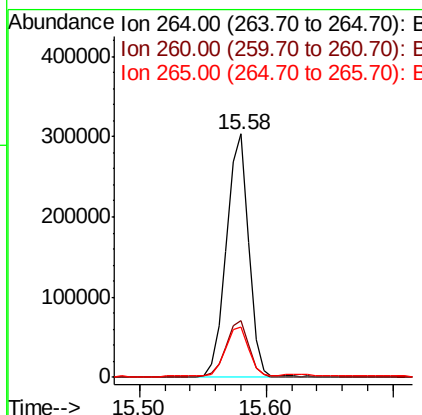
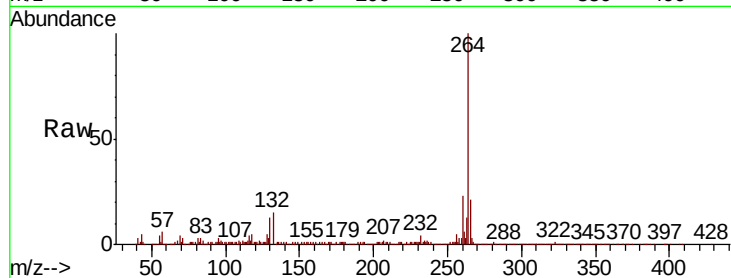


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 366447

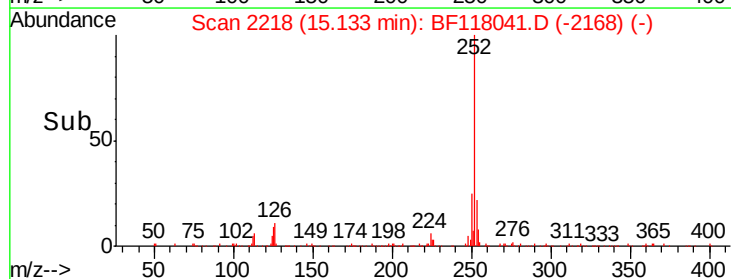
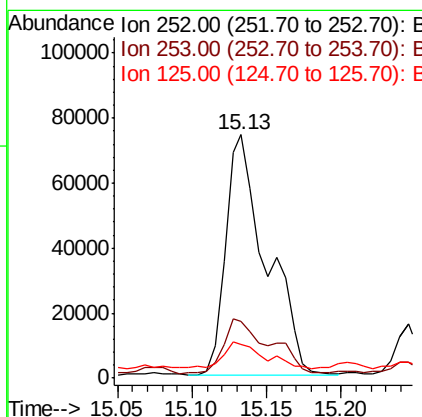
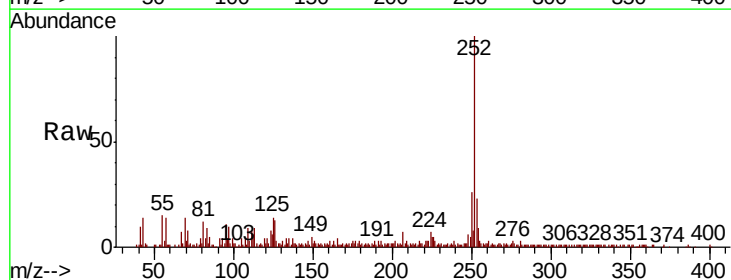
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	20.8	17.1	25.7

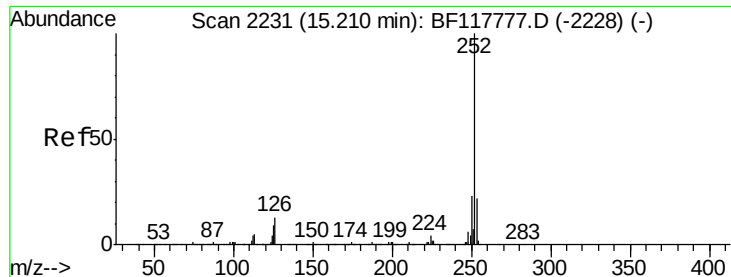


#88
Benzo(b)fluoranthene
Concen: 5.887 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF118041.D
Acq: 27 Nov 2019 15:25

Tgt Ion:252 Resp: 140166

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	13.8	8.6	13.0#





#89

Benzo(k)fluoranthene

Concen: 6.248 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

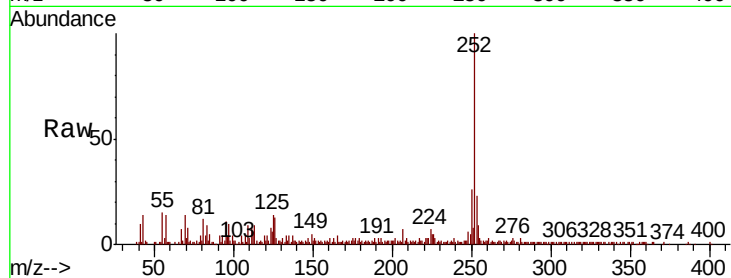
Tot Ion:252 Resp: 140166

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

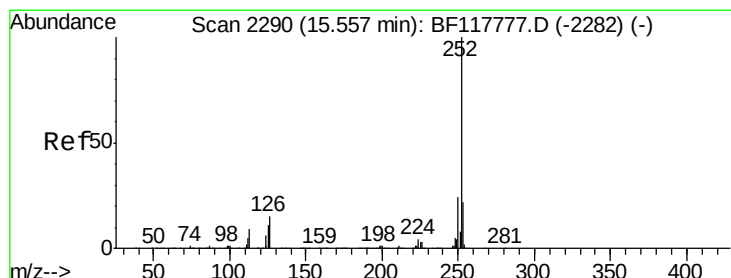
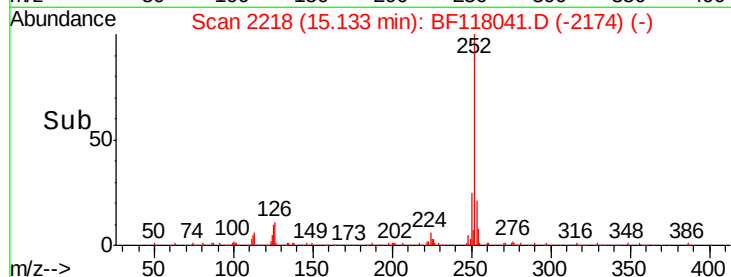
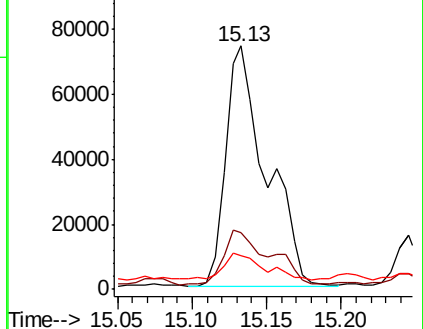
125 13.8 7.9 11.9#



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



#90

Benzo(a)pyrene

Concen: 3.519 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

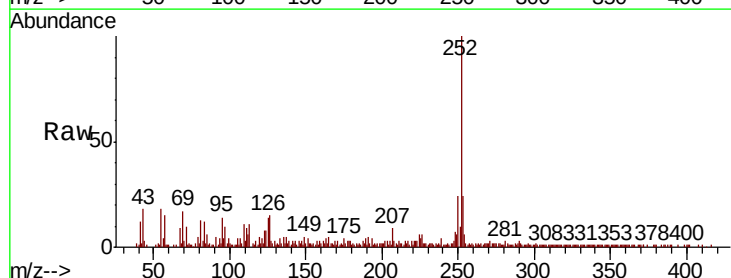
Tgt Ion:252 Resp: 73674

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

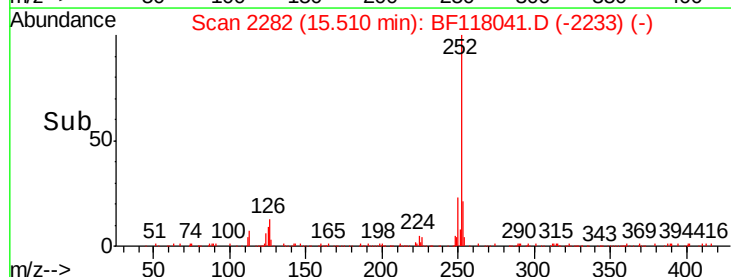
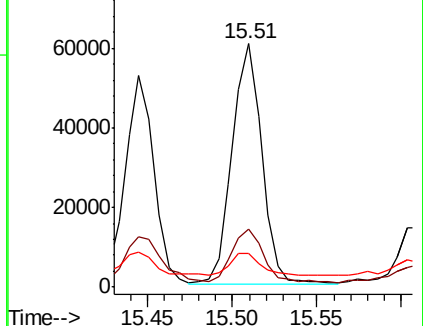
125 13.8 9.2 13.8

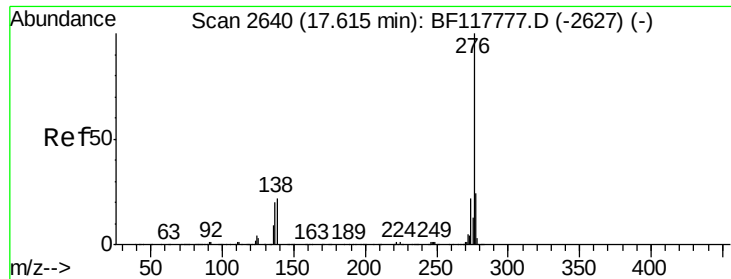


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.283 ng

RT: 17.55 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BF118041.D

Acq: 27 Nov 2019 15:25

Instrument :

BNA_F

ClientSampleId :

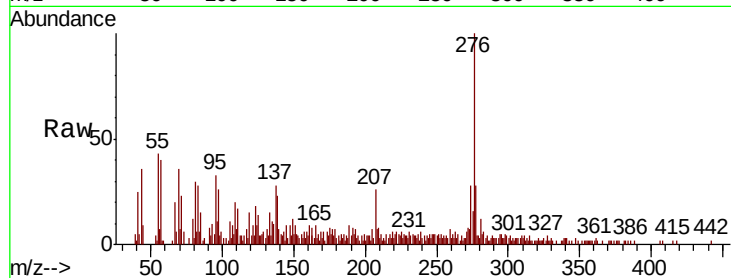
Tot Ion: 276 Resp: 40974

Ion Ratio Lower Upper

276 100

277 27.7 18.9 28.3

138 23.2 17.4 26.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

