

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108747.D
 Acq On : 4 Sep 2018 18:07
 Operator : JU/SJ
 Sample : J4270-05RE 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 03:11:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

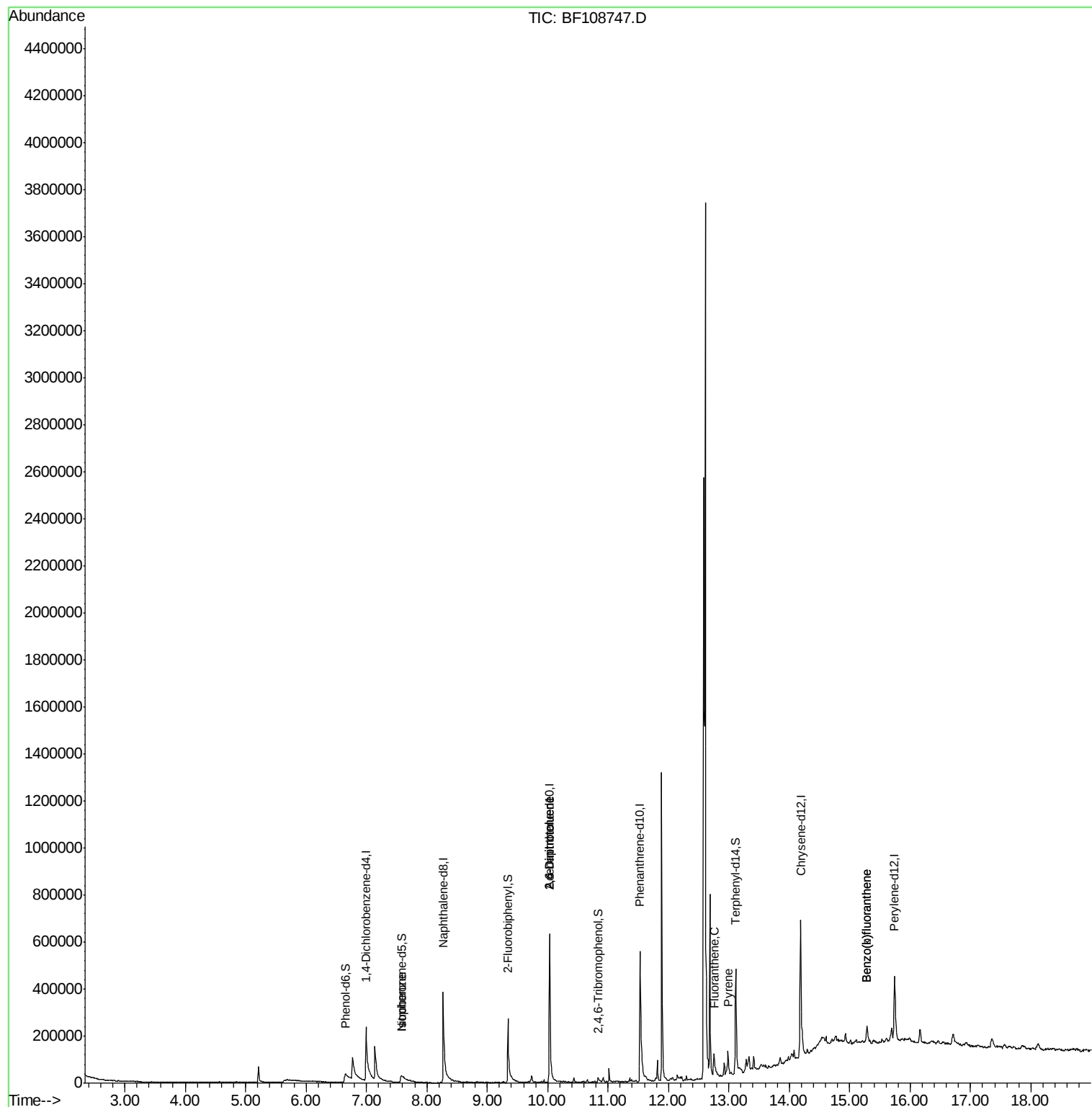
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	80951	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	346032	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	167645	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	348018	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	265997	20.00	ng	-0.01
86) Perylene-d12	15.74	264	195710	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	8405	1.80	ng	0.02
7) Phenol-d6	6.65	99	101576	15.22	ng	0.00
23) Nitrobenzene-d5	7.58	82	51537	7.56	ng	0.01
41) 2,4,6-Tribromophenol	10.84	330	7072	3.20	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	159691	12.81	ng	-0.02
78) Terphenyl-d14	13.11	244	198880	14.53	ng	-0.02
Target Compounds						
25) Isophorone	7.58	82	51537	4.551	ng	# 64
50) 2,6-Dinitrotoluene	10.03	165	20278	6.969	ng	# 24
56) 2,4-Dinitrotoluene	10.03	165	21143	5.488	ng	# 21
74) Fluoranthene	12.75	202	61214	3.096	ng	93
77) Pyrene	12.98	202	55948	2.798	ng	97
87) Benzo(b)fluoranthene	15.28	252	42077	3.500	ng	# 88
88) Benzo(k)fluoranthene	15.28	252	42077	3.533	ng	# 91

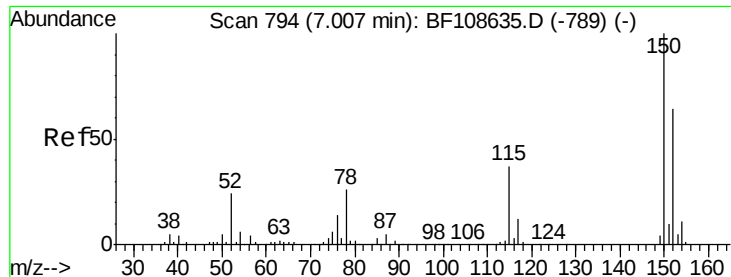
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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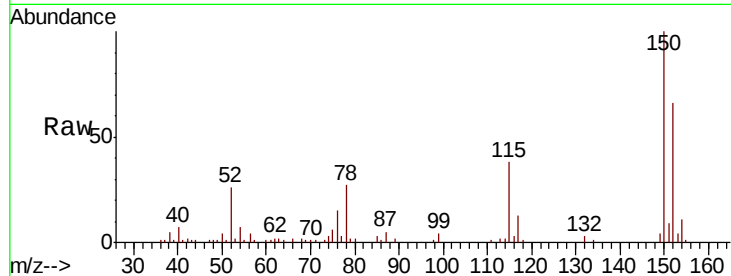


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	57.2	50.1	75.1

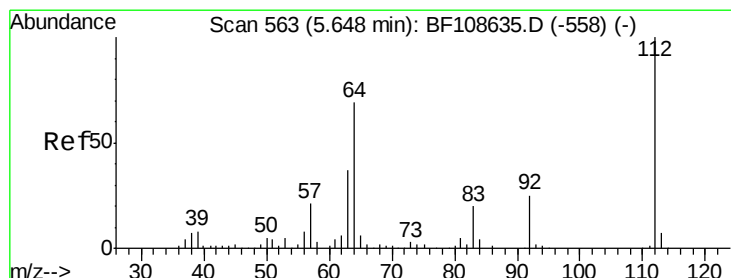
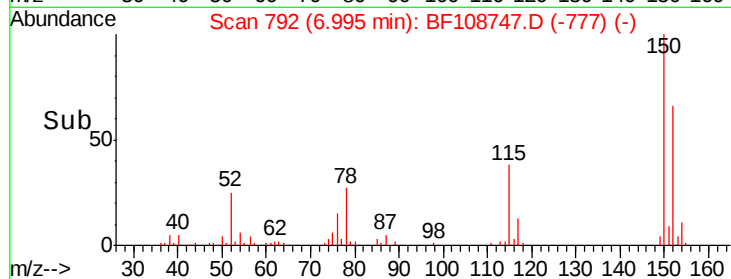
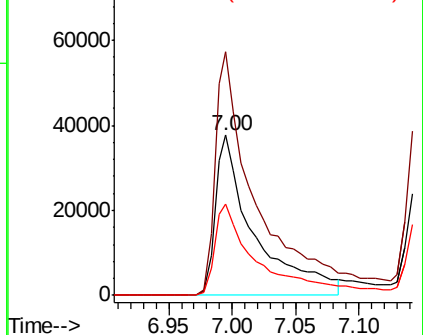


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

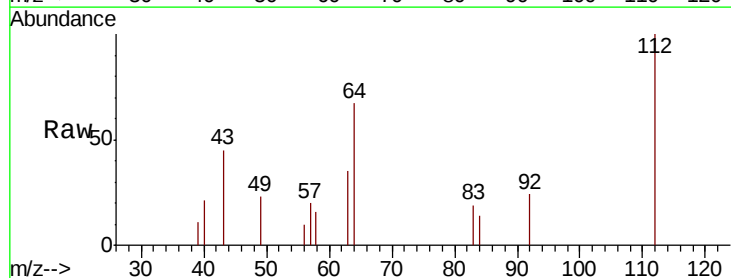
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.804 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	35.3	23.7	35.5

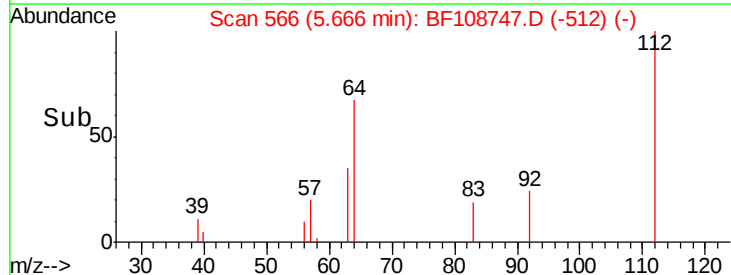
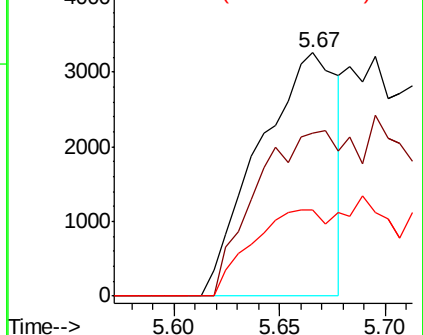


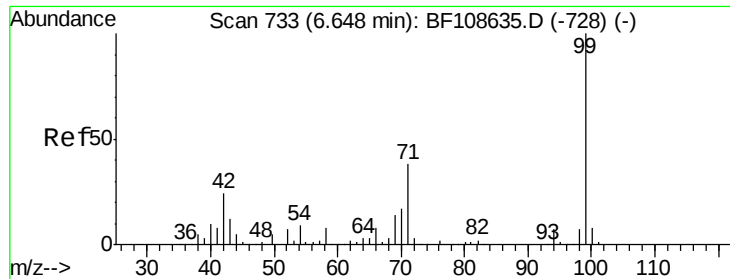
Abundance

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: 15.219 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

Instrument :

BNA_F

ClientSampleId :

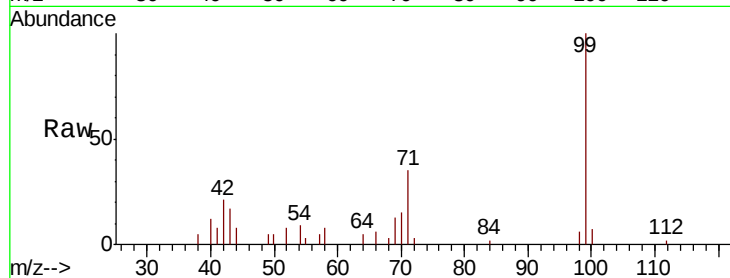
Tot Ion: 99 Resp: 101576

Ion Ratio Lower Upper

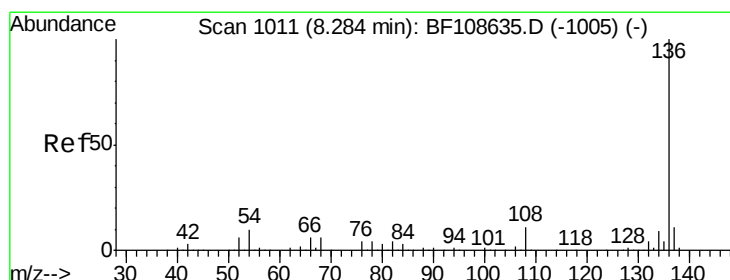
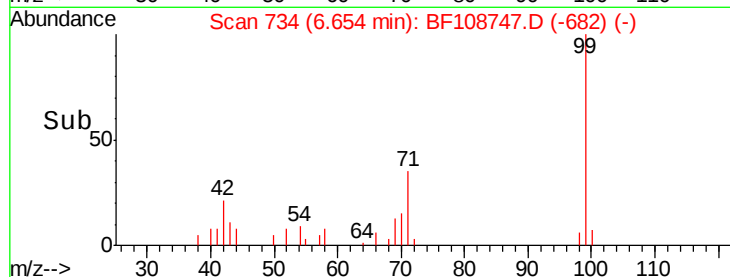
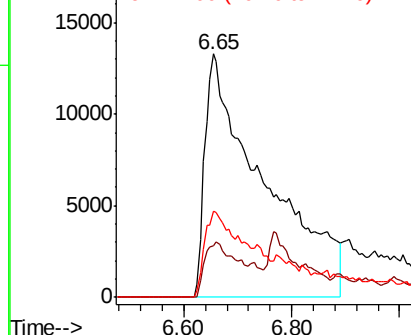
99 100

42 21.5 14.5 21.7

71 35.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

Tgt Ion: 136 Resp: 346032

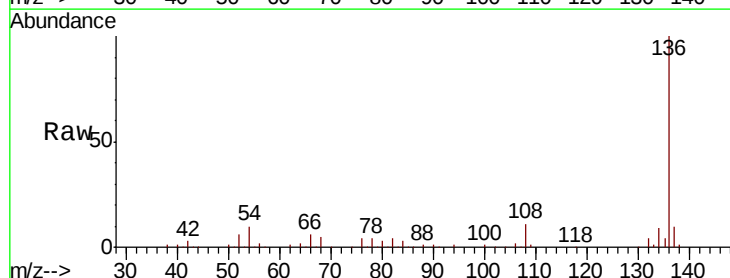
Ion Ratio Lower Upper

136 100

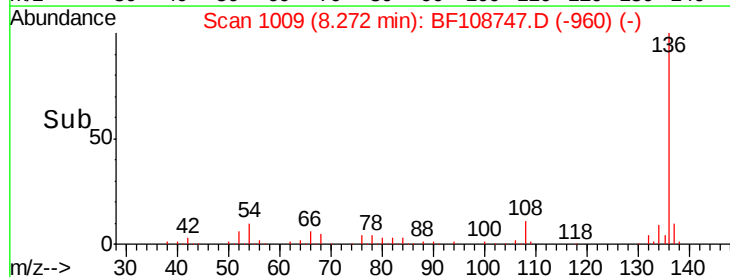
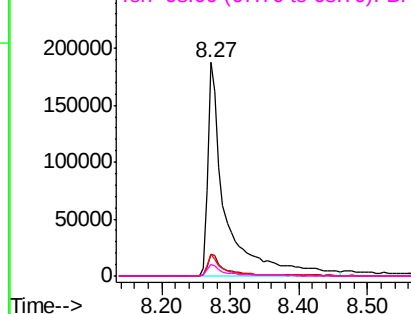
137 10.4 8.9 13.3

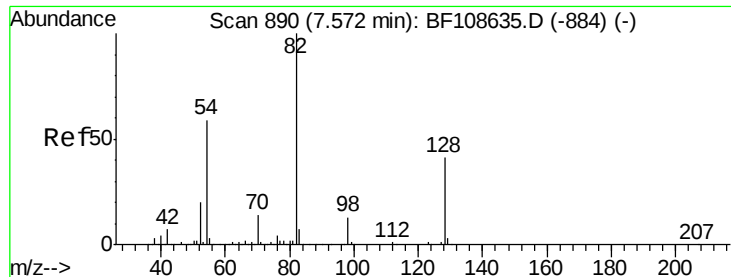
54 10.0 6.6 9.8#

68 5.4 5.0 7.4



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

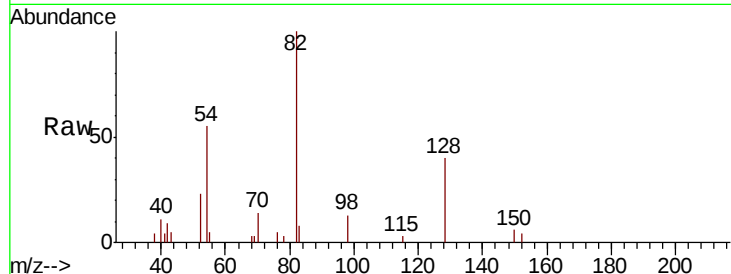




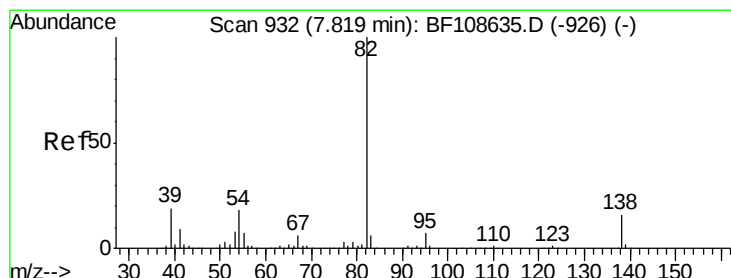
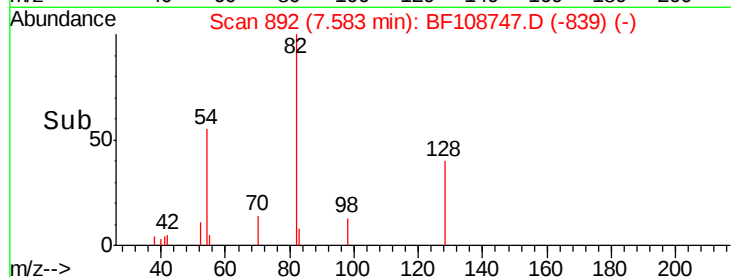
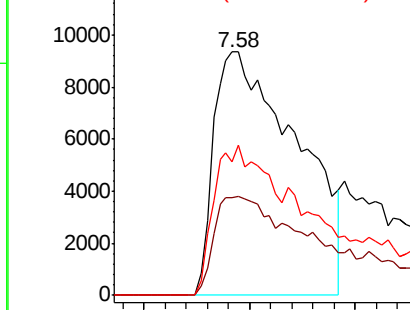
#23
Nitrobenzene-d5
Concen: 7.560 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	51537
Ion Ratio	Lower	Upper	
82	100		
128	40.2	36.1	54.1
54	54.8	41.4	62.2

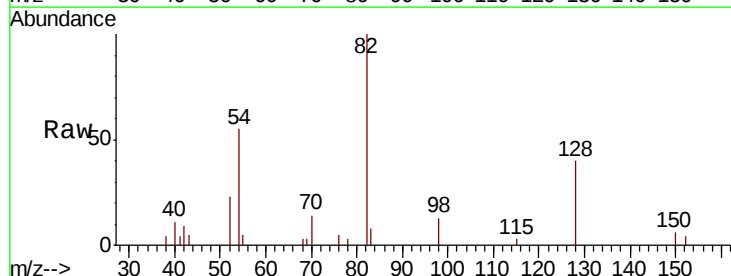


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

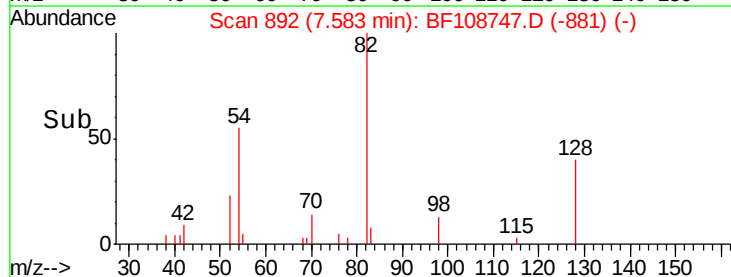
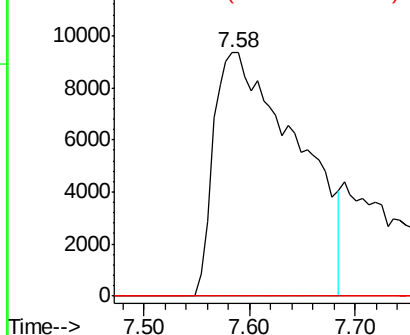


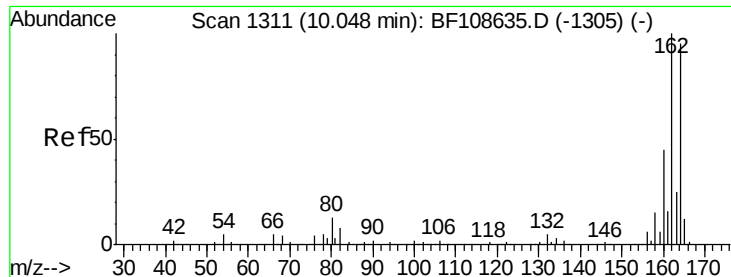
#25
Isophorone
Concen: 4.551 ng
RT: 7.58 min Scan# 892
Delta R.T. -0.24 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Tgt Ion	82	Resp	51537
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

Instrument :

BNA_F

ClientSampleId :

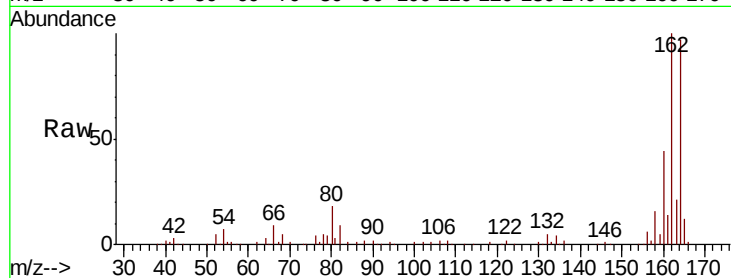
Tot Ion:164 Resp: 167645

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

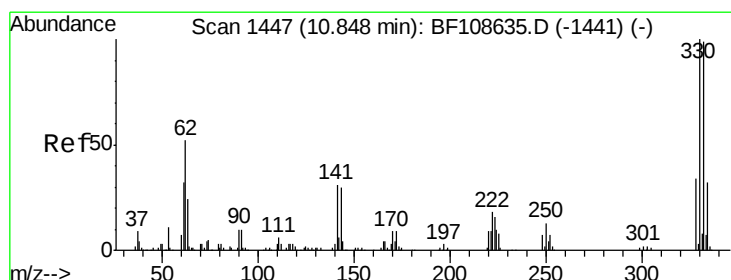
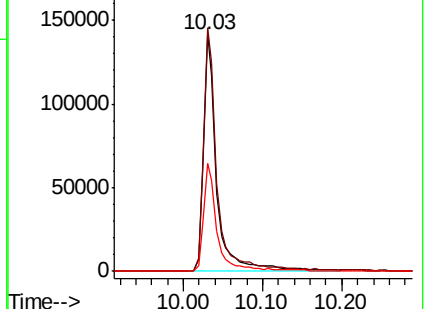
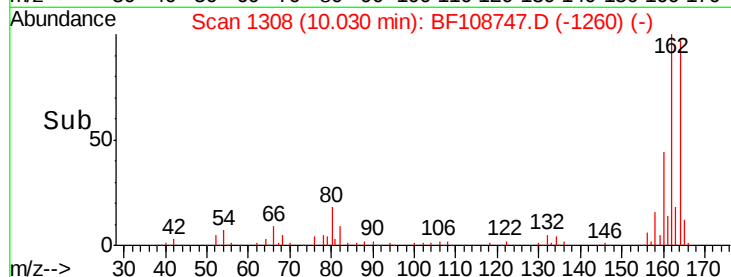
160 45.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 3.195 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

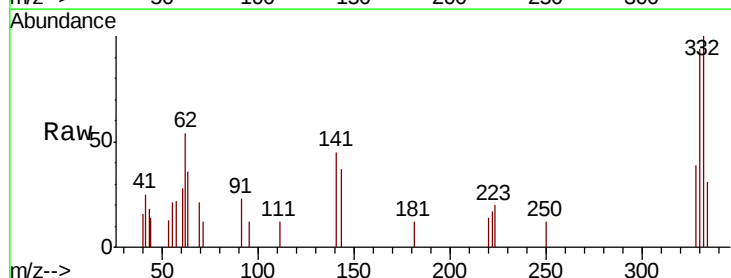
Tgt Ion:330 Resp: 7072

Ion Ratio Lower Upper

330 100

332 88.7 77.0 115.6

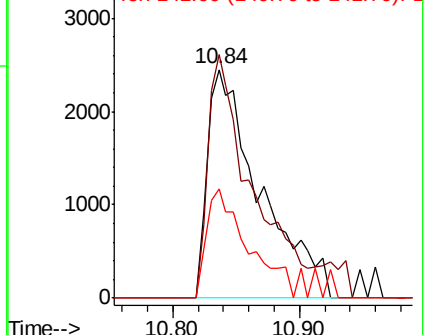
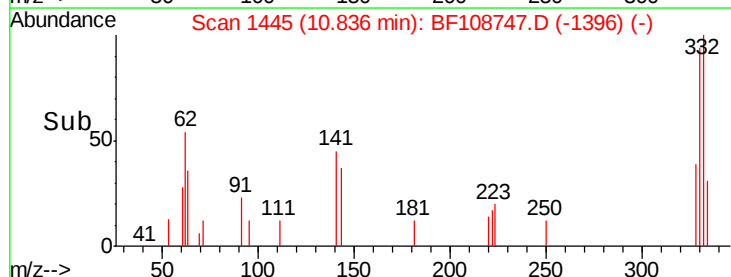
141 37.6 29.9 44.9

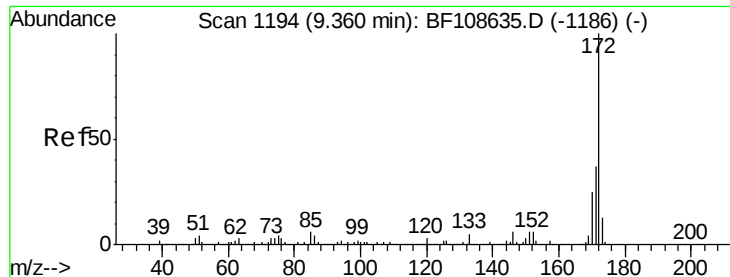


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

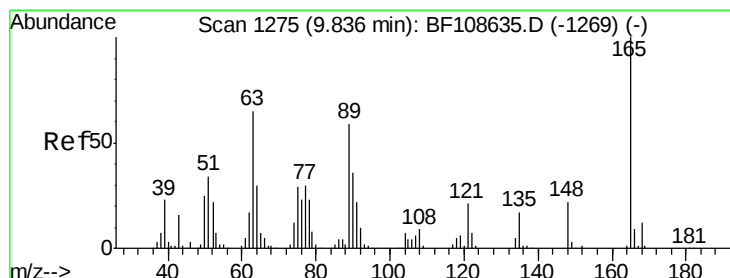
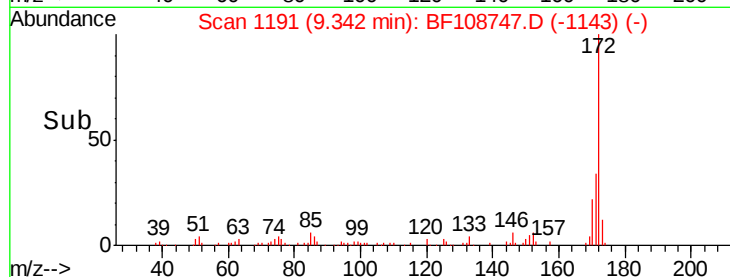
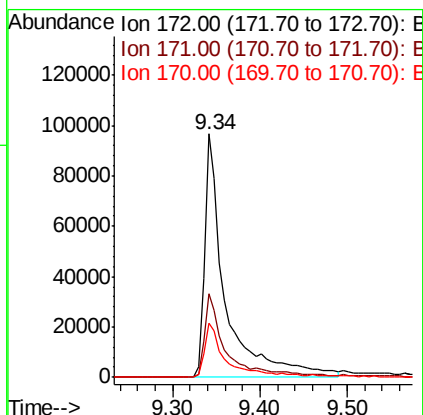
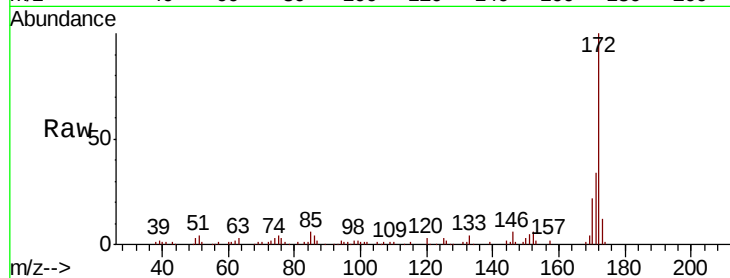




#44
2-Fluorobiphenyl
Concen: 12.808 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

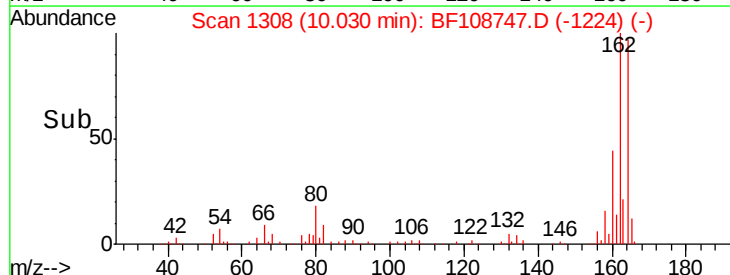
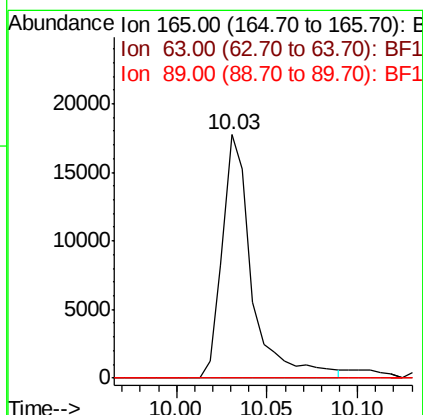
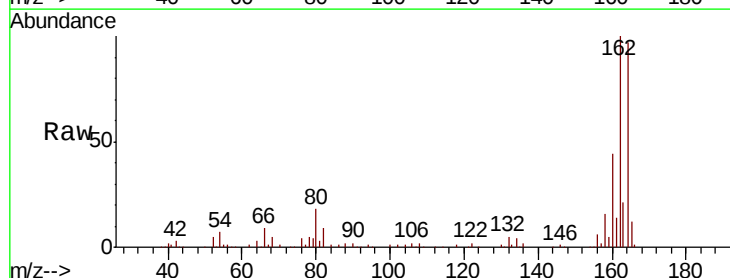
Instrument :
BNA_F
ClientSampleId :

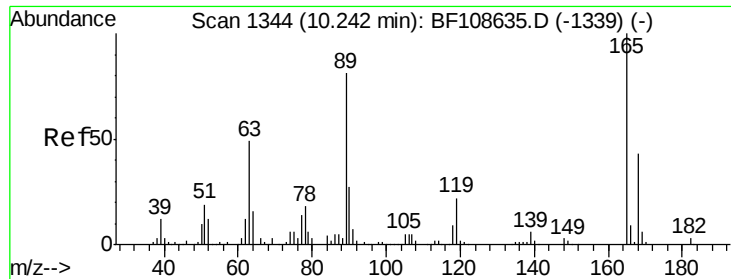
Tot Ion:172 Resp: 159691
Ion Ratio Lower Upper
172 100
171 34.4 29.7 44.5
170 22.1 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 6.969 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.19 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Tgt Ion:165 Resp: 20278
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

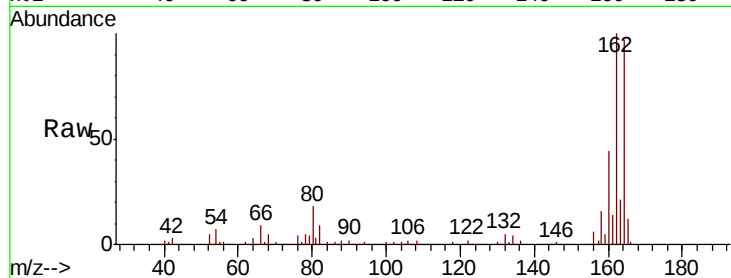




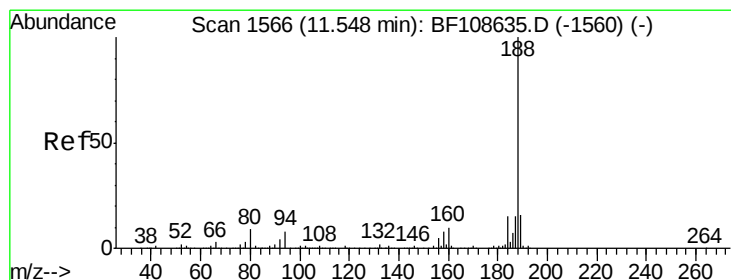
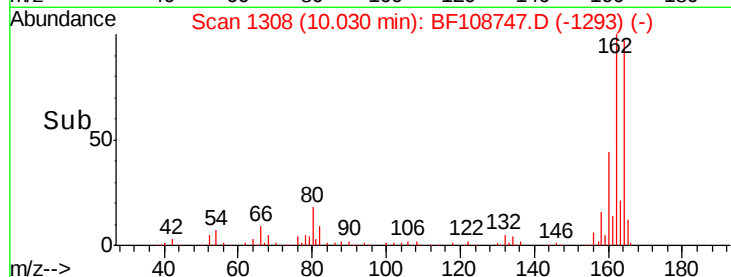
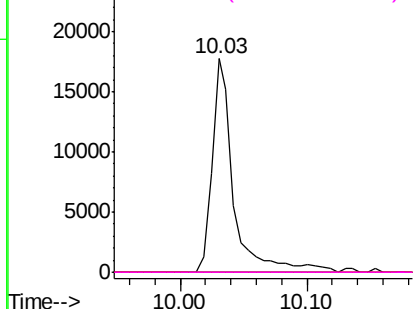
#56
2,4-Dinitrotoluene
Concen: 5.488 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 21143
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

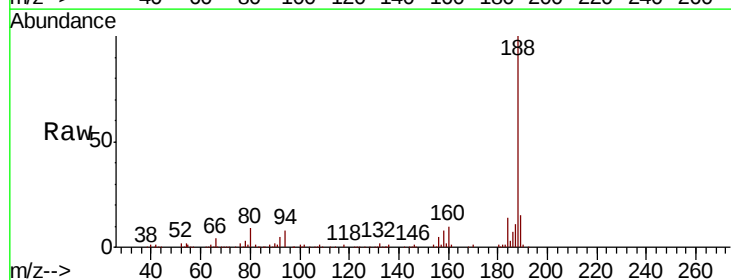


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

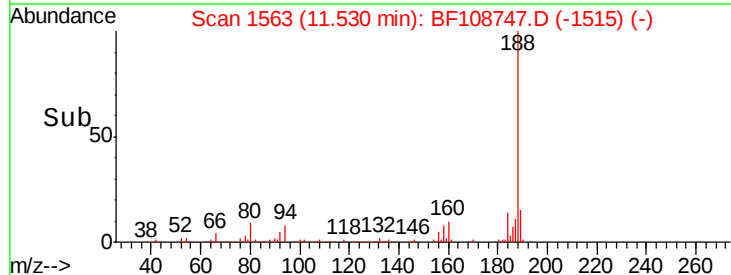
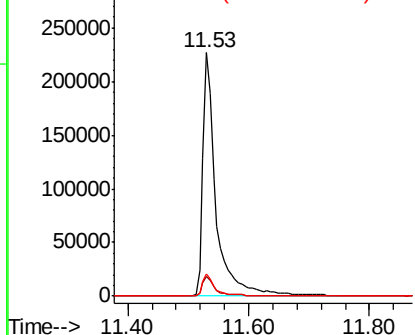


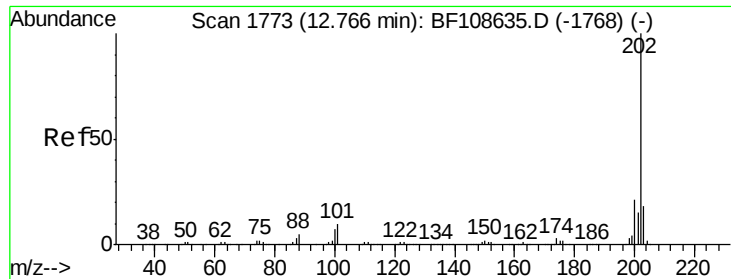
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Tgt Ion:188 Resp: 348018
Ion Ratio Lower Upper
188 100
94 7.9 8.5 12.7#
80 9.0 9.2 13.8#



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





#74

Fluoranthene

Concen: 3.096 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

Instrument :

BNA_F

ClientSampleId :

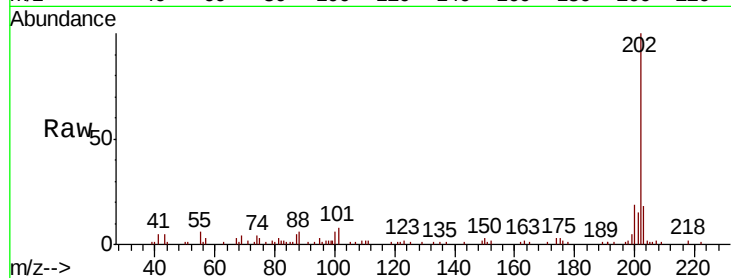
Tot Ion:202 Resp: 61214

Ion Ratio Lower Upper

202 100

101 8.0 0.0 34.1

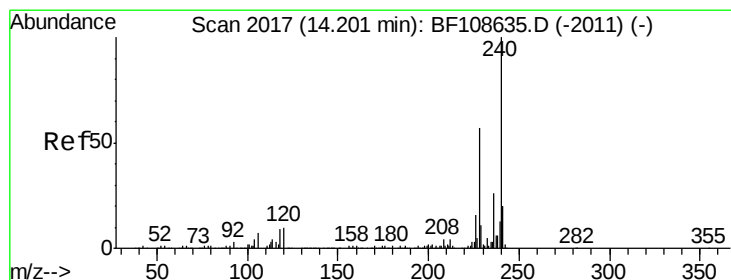
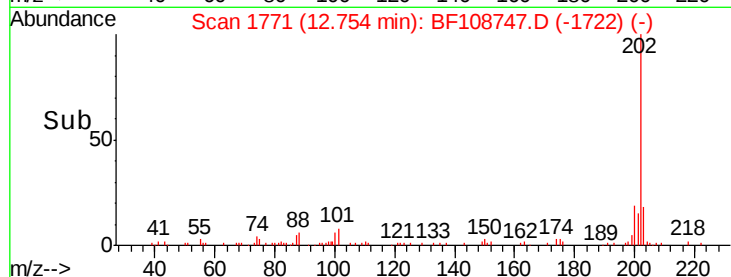
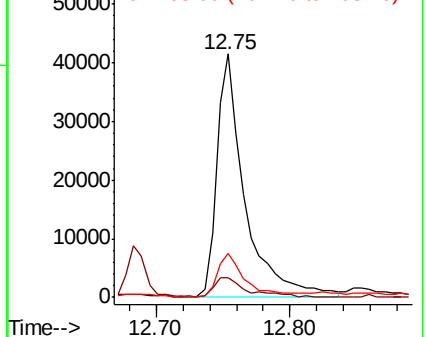
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

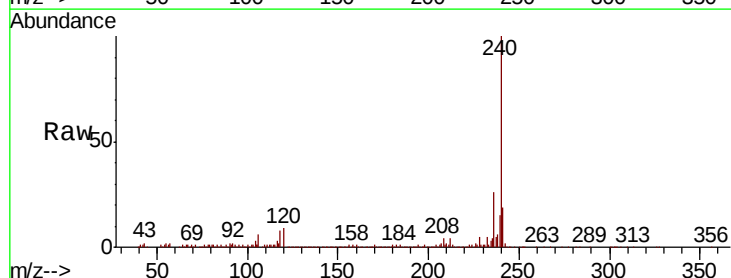
Tgt Ion:240 Resp: 265997

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

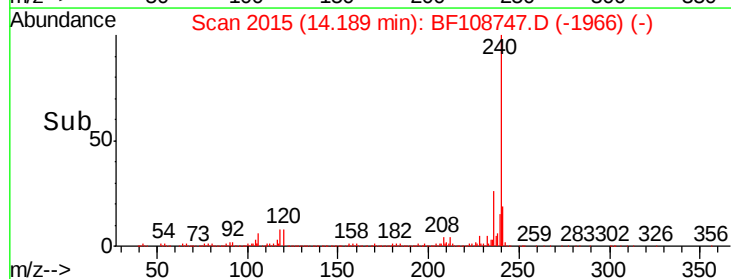
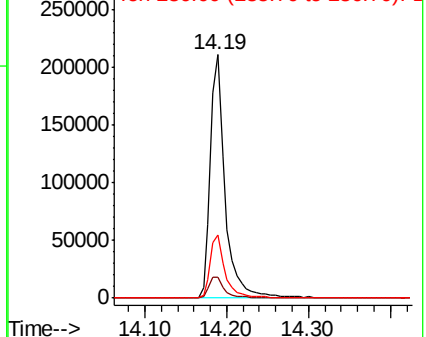
236 26.1 20.7 31.1

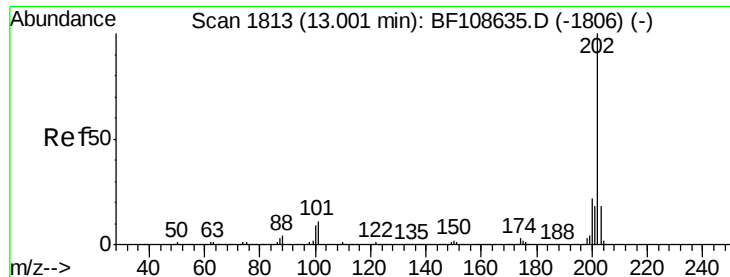


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.798 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

Instrument :

BNA_F

ClientSampled :

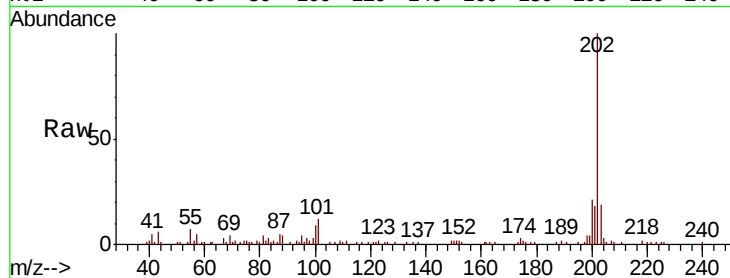
Tot Ion:202 Resp: 55948

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

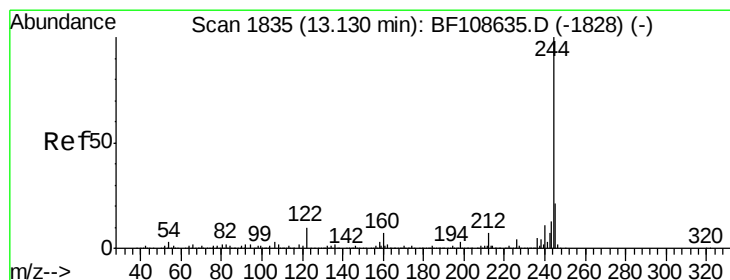
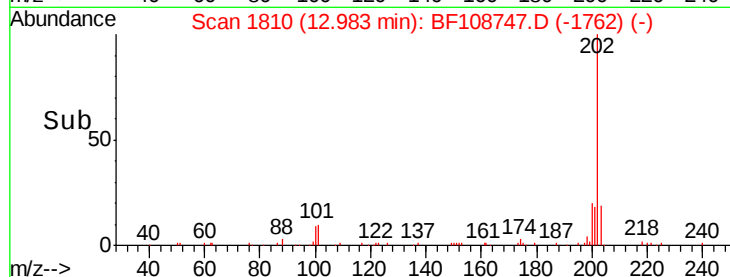
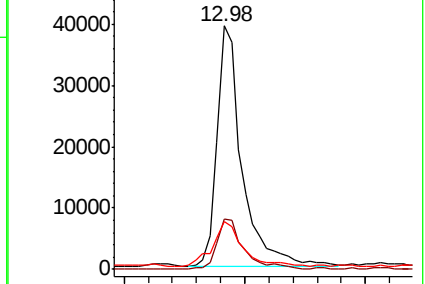
203 19.4 14.3 21.5



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



#78

Terphenyl-d14

Concen: 14.527 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108747.D

Acq: 4 Sep 2018 18:07

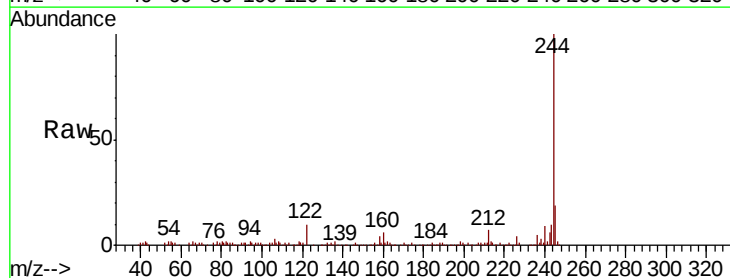
Tgt Ion:244 Resp: 198880

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

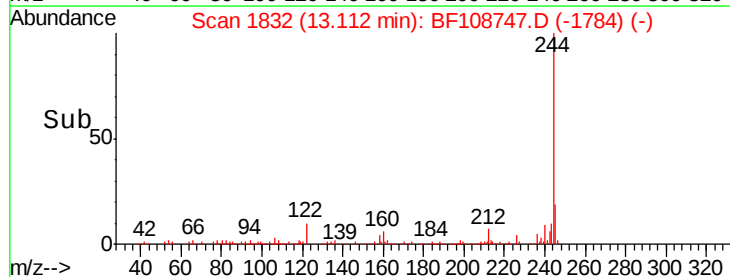
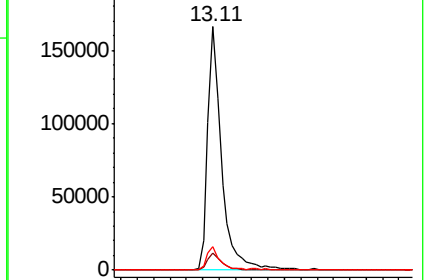
122 9.6 11.0 16.4#

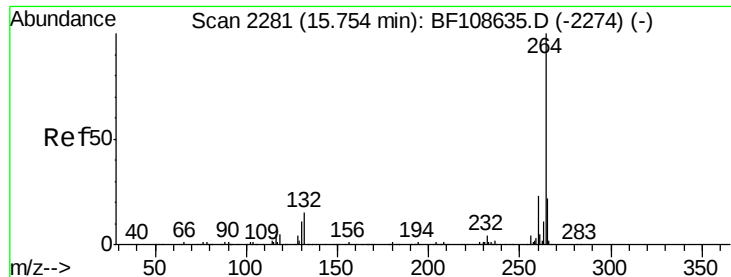


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

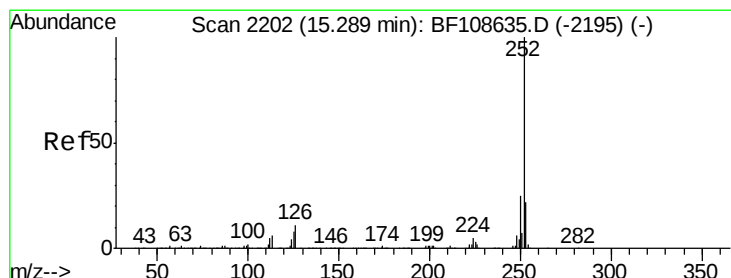
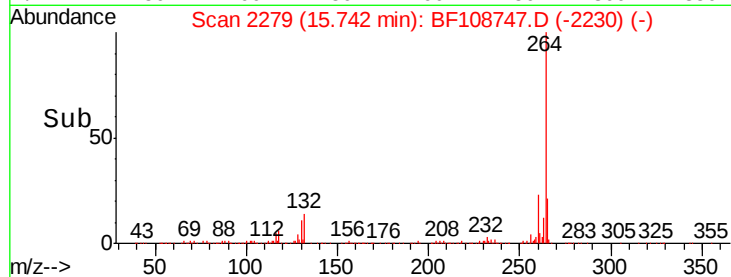
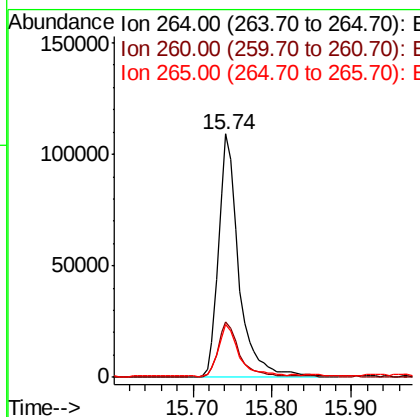
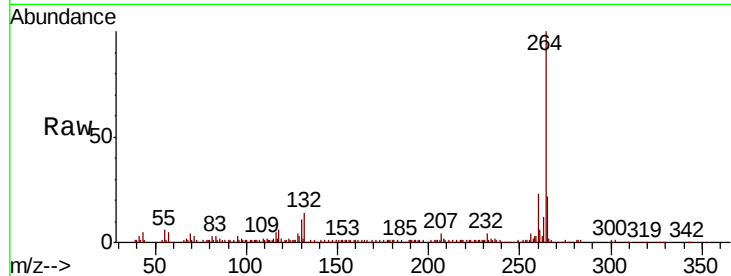




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

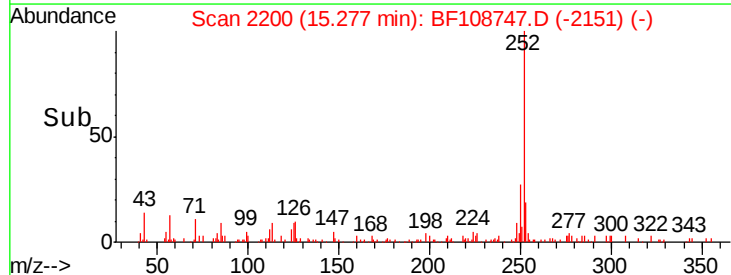
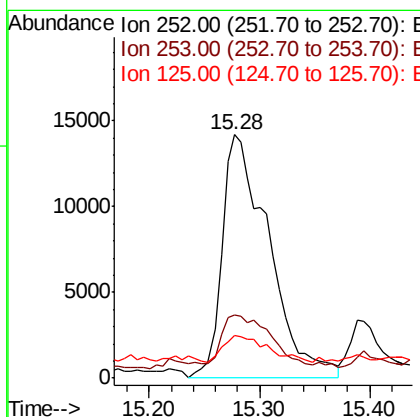
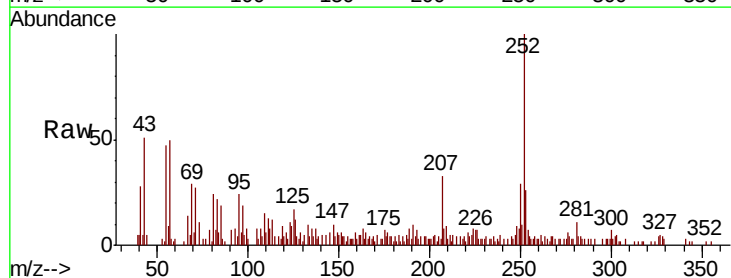
Instrument :
BNA_F
ClientSampleId :

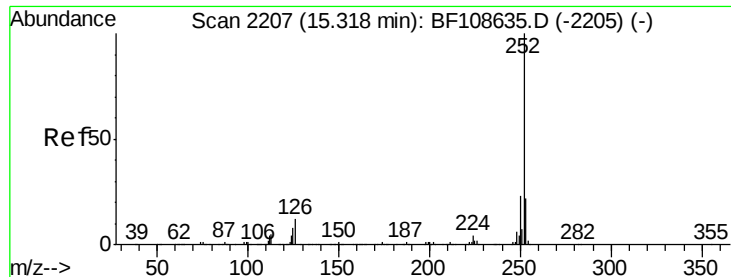
Tot Ion:264 Resp: 195710
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.500 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108747.D
Acq: 4 Sep 2018 18:07

Tgt Ion:252 Resp: 42077
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 17.5 9.0 13.6#

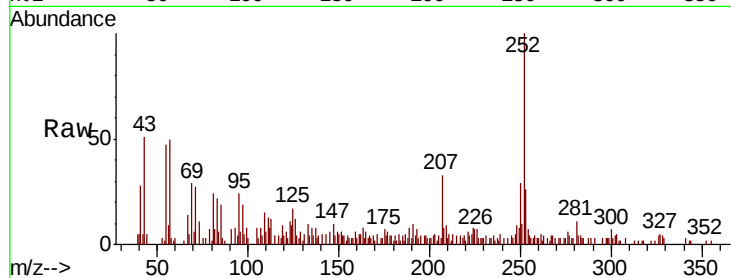




#88
 Benzo(k)fluoranthene
 Concen: 3.533 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.04 min
 Lab File: BF108747.D
 Acq: 4 Sep 2018 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	17.5	10.2	15.2



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

