

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070116\
 Data File : BF088576.D
 Acq On : 1 Jul 2016 15:49
 Operator : UM/SJ
 Sample : H3808-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 16:25:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

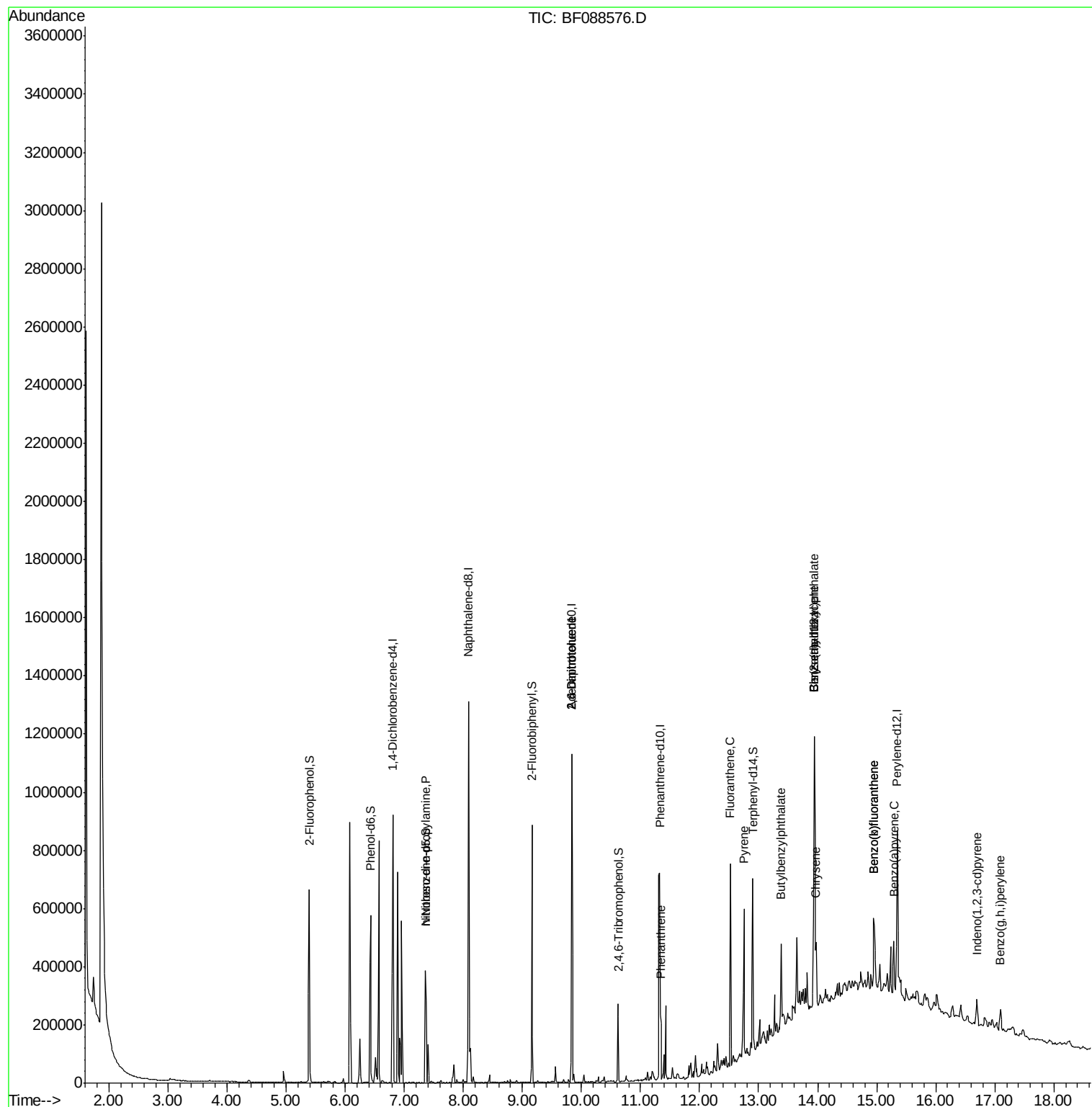
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	148646	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	546862	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	226677	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	385090	20.00	ng	0.00
75) Chrysene-d12	13.94	240	275545	20.00	ng	-0.01
86) Perylene-d12	15.35	264	245318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	206770	20.85	ng	-0.01
7) Phenol-d6	6.43	99	265136	20.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	138787	13.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	39664	18.84	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	250557	17.46	ng	-0.01
78) Terphenyl-d14	12.90	244	166340	13.45	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	17724	2.06	ng	# 80
50) 2,6-Dinitrotoluene	9.84	165	29850	8.34	ng	# 40
56) 2,4-Dinitrotoluene	9.84	165	29852	6.38	ng	# 38
70) Phenanthrene	11.35	178	117529	5.58	ng	96
74) Fluoranthene	12.52	202	248564	11.65	ng	99
77) Pyrene	12.75	202	212565	9.10	ng	98
79) Butylbenzylphthalate	13.38	149	60647	5.82	ng	# 86
80) Benzo(a)anthracene	13.94	228	110888	6.25	ng	98
82) Chrysene	13.98	228	103127	5.87	ng	96
83) Bis(2-ethylhexyl)phthalate	13.94	149	57412	4.83	ng	96
85) Indeno(1,2,3-cd)pyrene	16.70	276	54134	4.01	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	182385	11.85	ng	# 90
88) Benzo(k)fluoranthene	14.95	252	182385	13.61	ng	# 95
89) Benzo(a)pyrene	15.29	252	83877	6.44	ng	100
91) Benzo(a,h,i)perylene	17.10	276	52579	4.67	ng	97

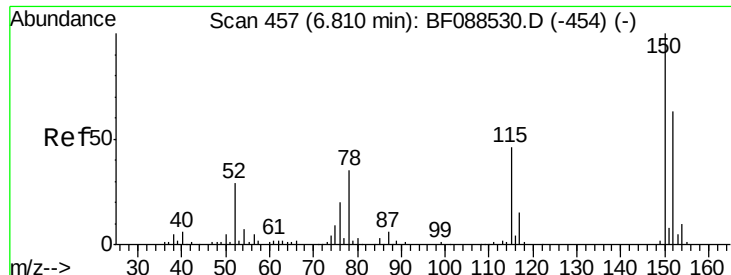
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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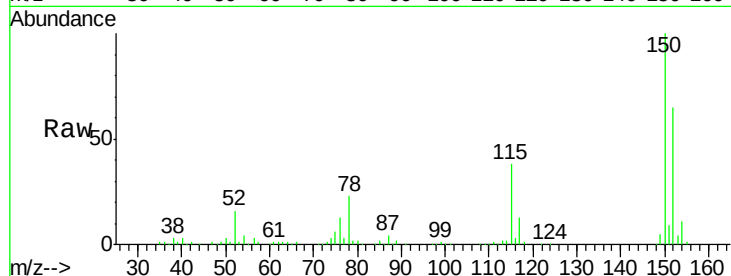


#1

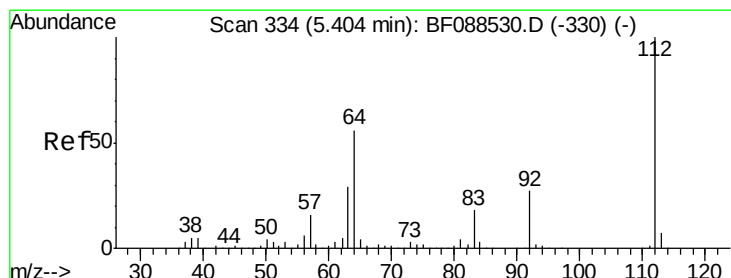
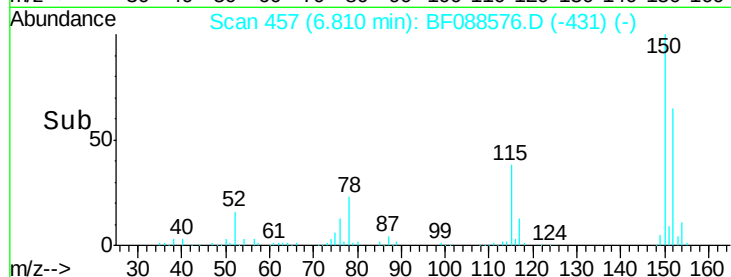
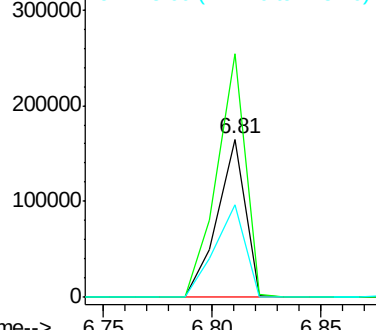
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148646
Ion Ratio Lower Upper
152 100
150 154.1 123.8 185.6
115 58.3 39.6 59.4



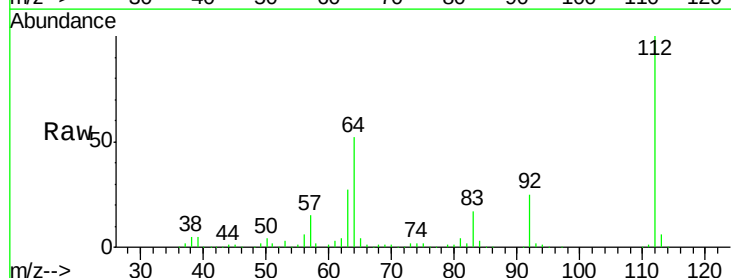
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



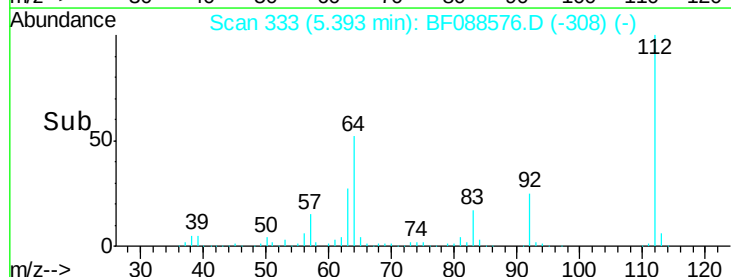
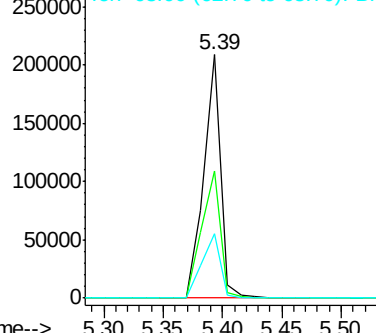
#5

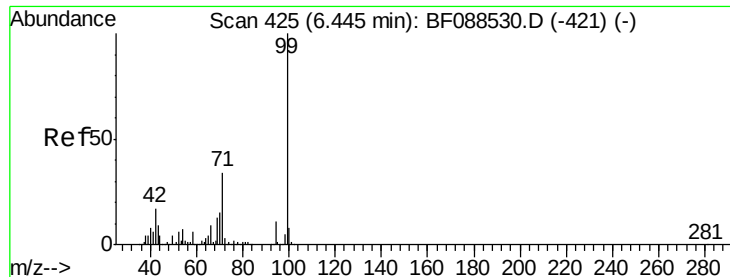
2-Fluorophenol
Concen: 20.85 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

Tgt Ion:112 Resp: 206770
Ion Ratio Lower Upper
112 100
64 52.4 42.2 63.2
63 26.6 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.69 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

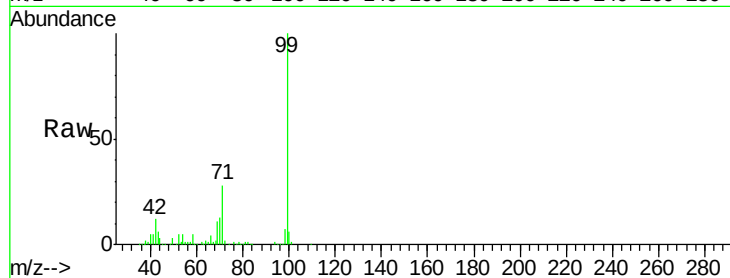
Tot Ion: 99 Resp: 265136

Ion Ratio Lower Upper

99 100

42 12.4 12.2 18.2

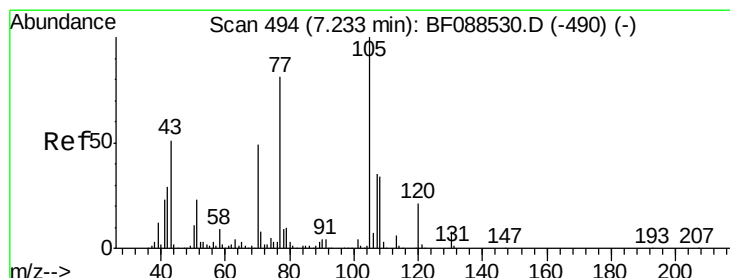
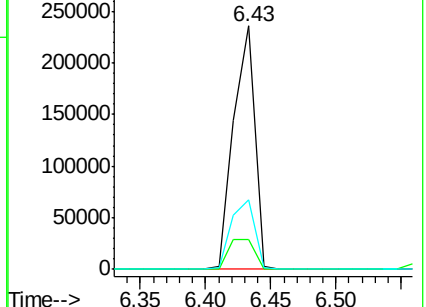
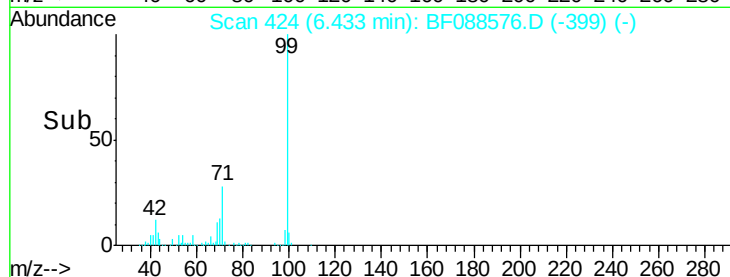
71 28.4 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.06 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Tgt Ion: 70 Resp: 17724

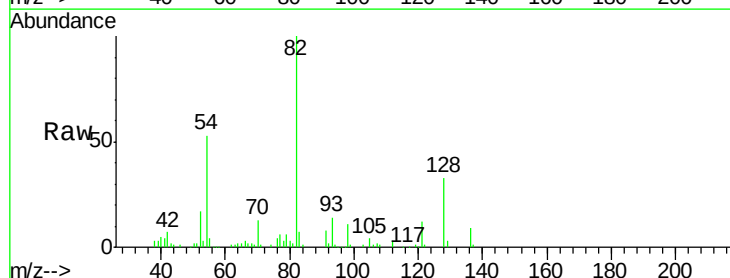
Ion Ratio Lower Upper

70 100

42 52.9 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

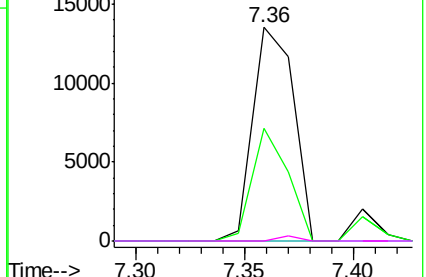
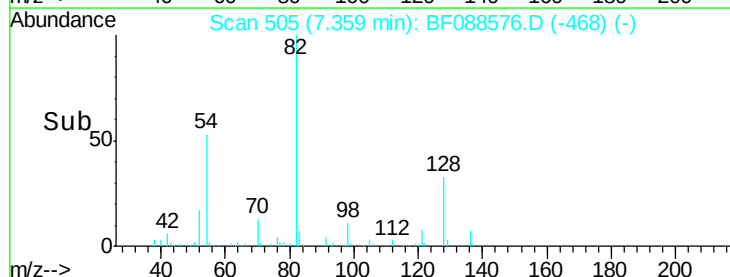


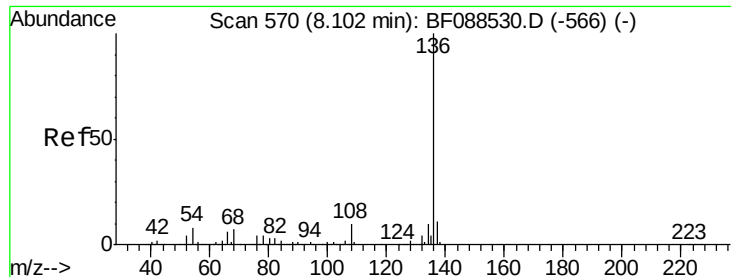
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088576.D

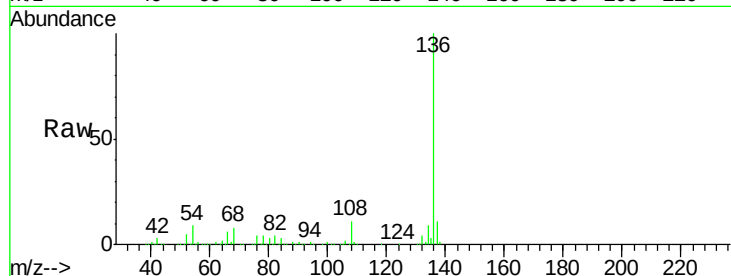
Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	546862
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	9.4	6.6	10.0
68	7.8	5.1	7.7#

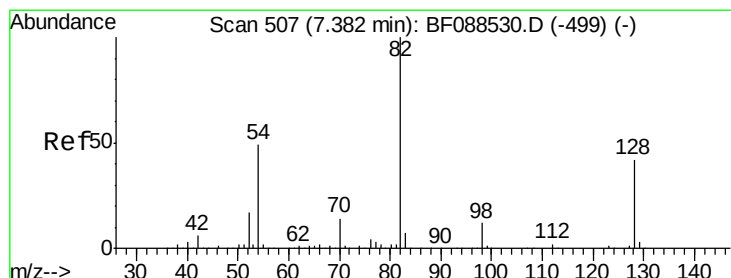
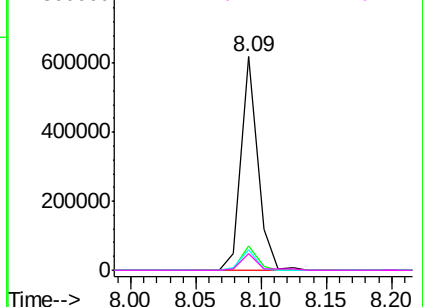
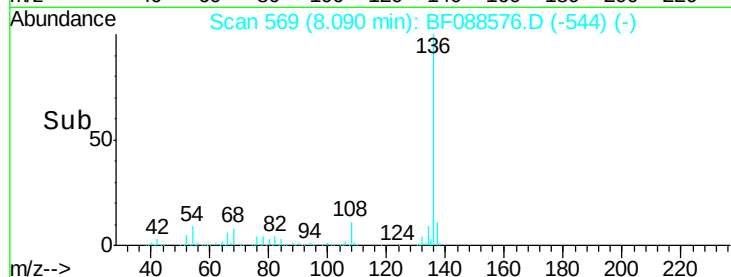


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 13.30 ng

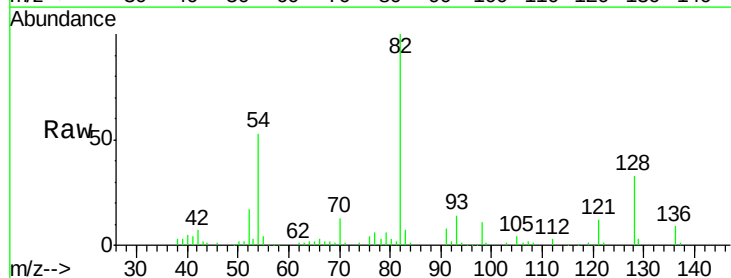
RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

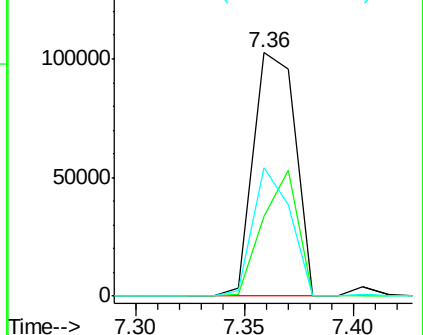
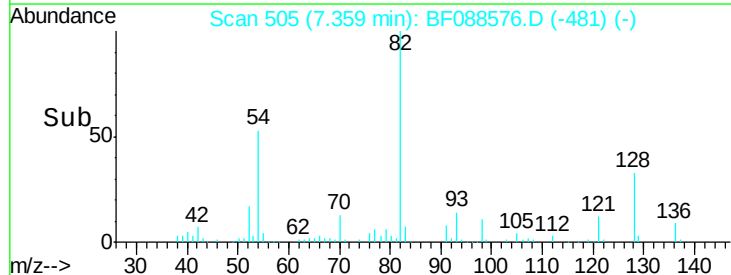
Tgt Ion:	82	Resp:	138787
Ion Ratio	Lower	Upper	
82	100		
128	33.0	35.9	53.9#
54	52.7	40.9	61.3

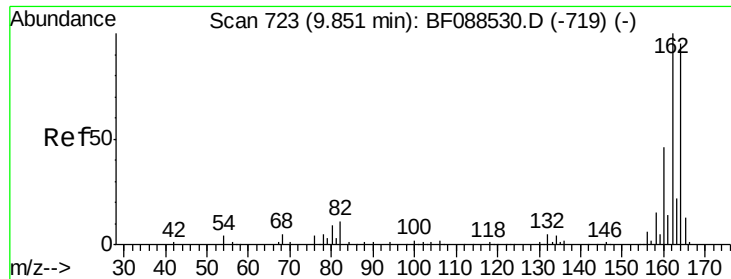


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

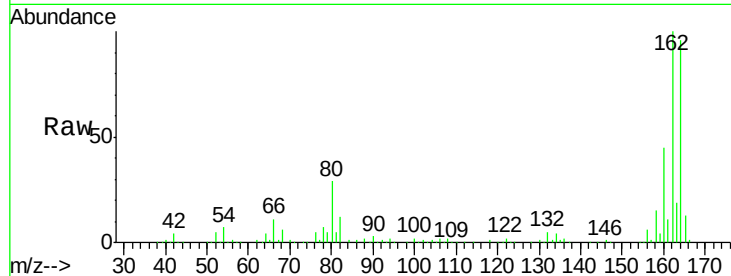
Tot Ion:164 Resp: 226677

Ion Ratio Lower Upper

164 100

162 104.3 85.4 128.2

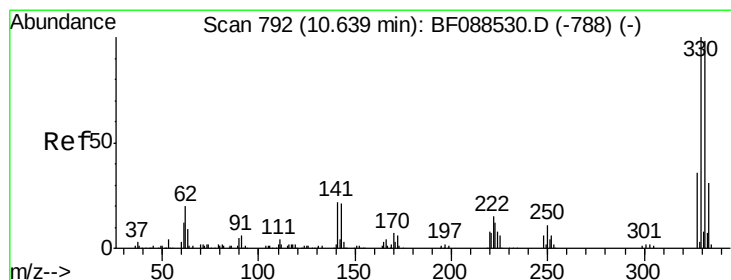
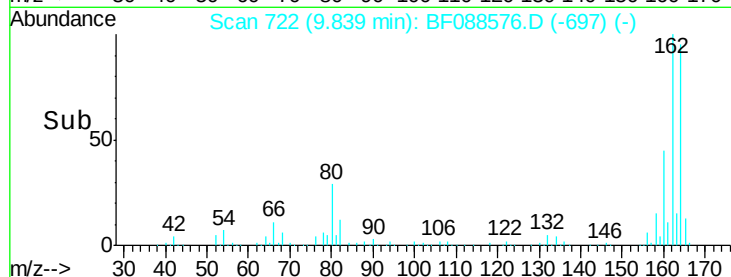
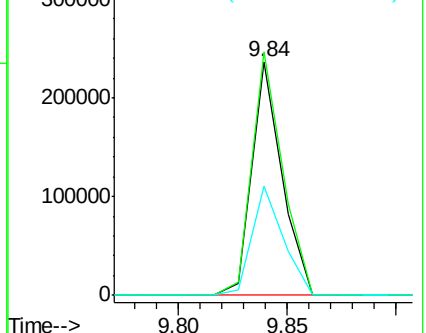
160 47.0 39.5 59.3



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: 18.84 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

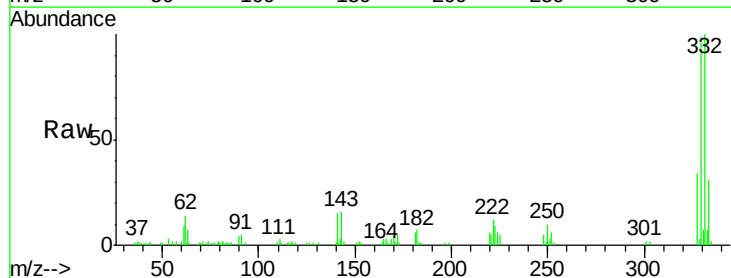
Tgt Ion:330 Resp: 39664

Ion Ratio Lower Upper

330 100

332 99.6 0.0 0.0#

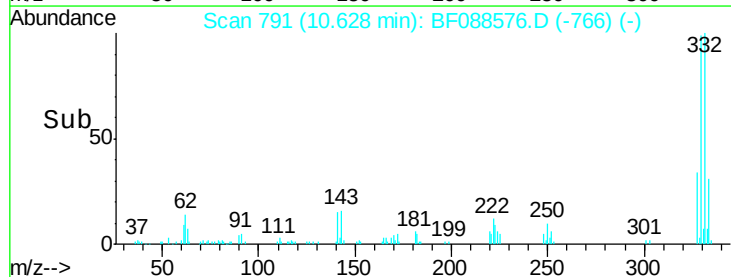
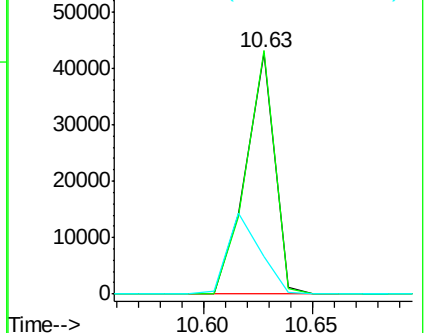
141 37.5 0.0 0.0#

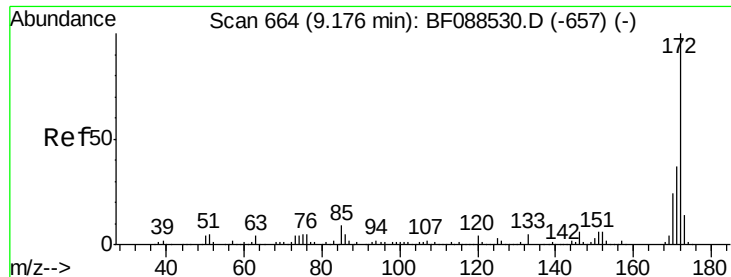


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

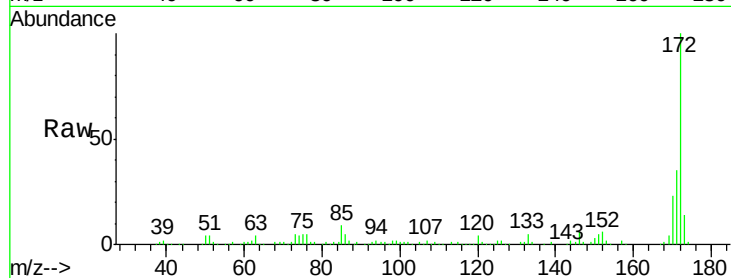




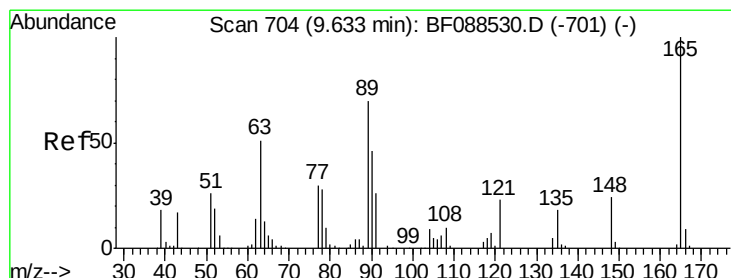
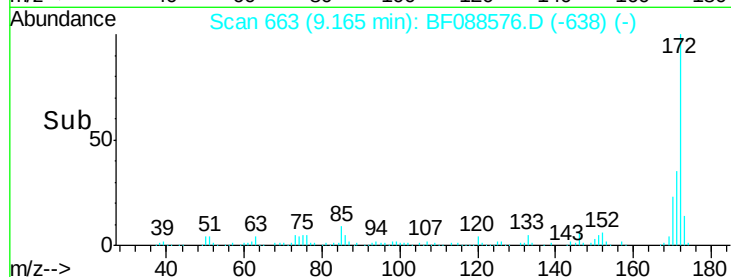
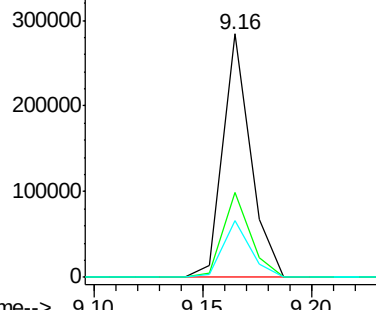
#44
 2-Fluorobiphenyl
 Concen: 17.46 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088576.D
 Acq: 1 Jul 2016 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.4	19.2	28.8

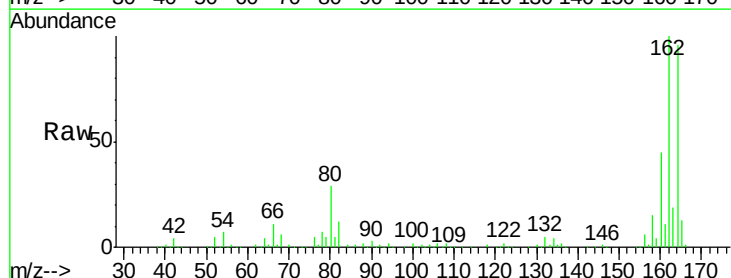


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

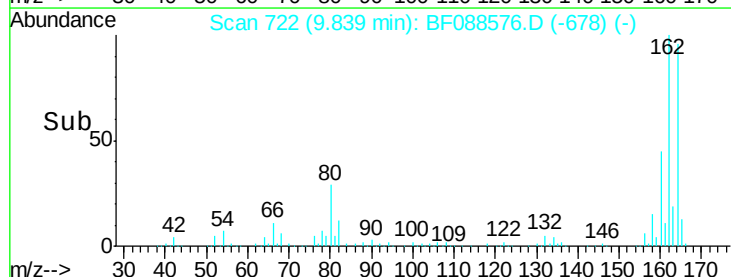
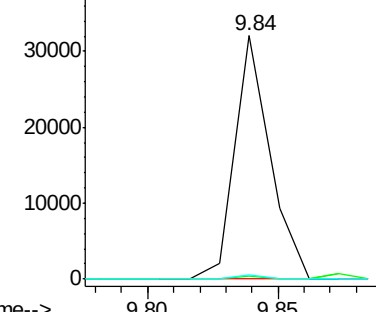


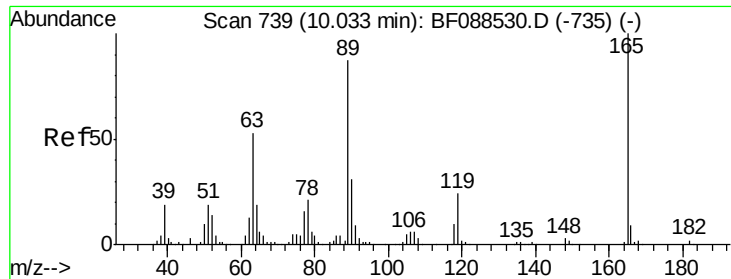
#50
 2,6-Dinitrotoluene
 Concen: 8.34 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.21 min
 Lab File: BF088576.D
 Acq: 1 Jul 2016 15:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.7	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

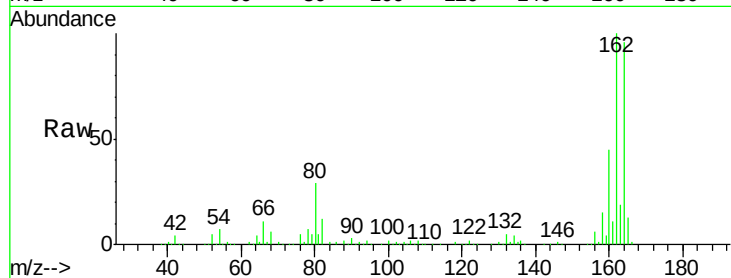




#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF088576.D
 Acq: 1 Jul 2016 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

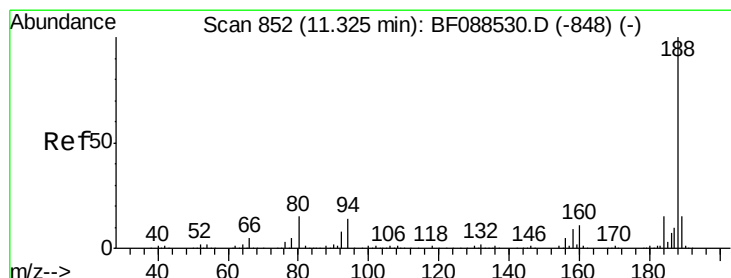
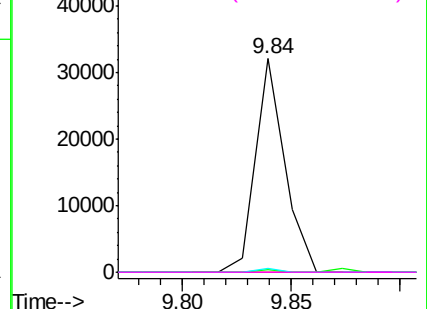
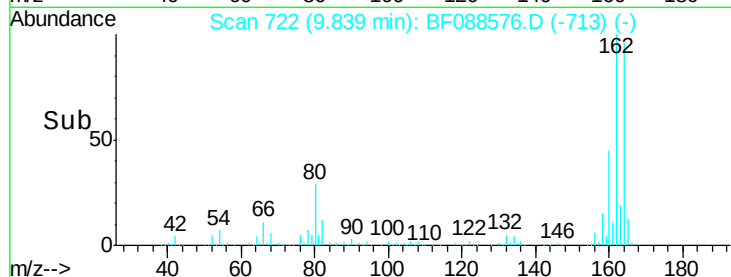


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

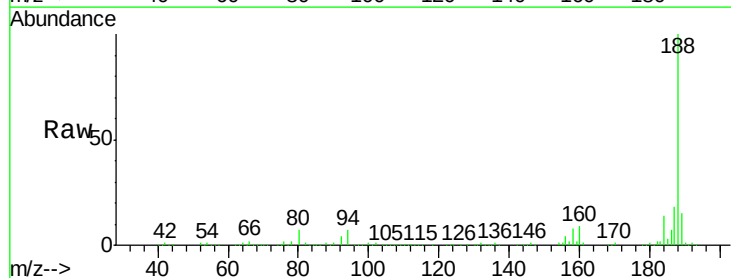
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BF088576.D
 Acq: 1 Jul 2016 15:49

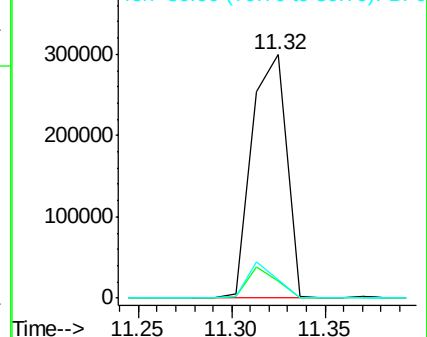
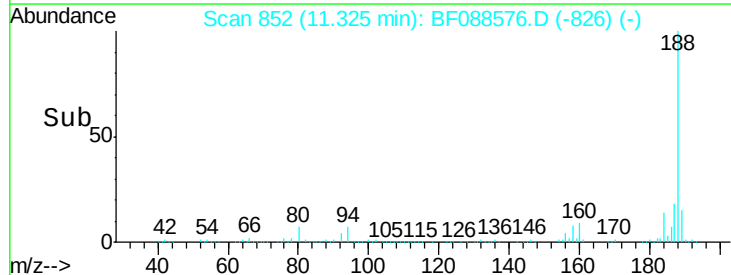
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	9.0	13.6#
80	7.4	10.0	15.0#

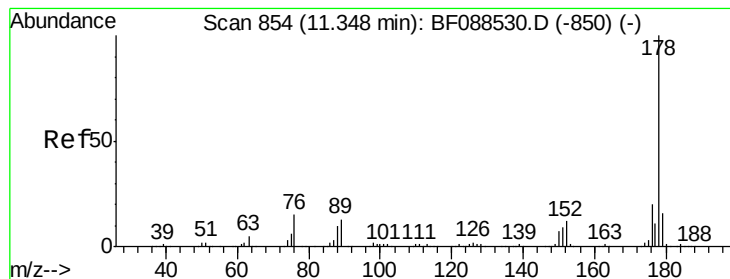


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.58 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

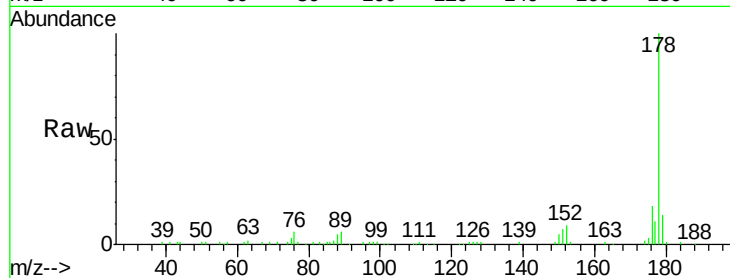
Tot Ion:178 Resp: 117529

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.6

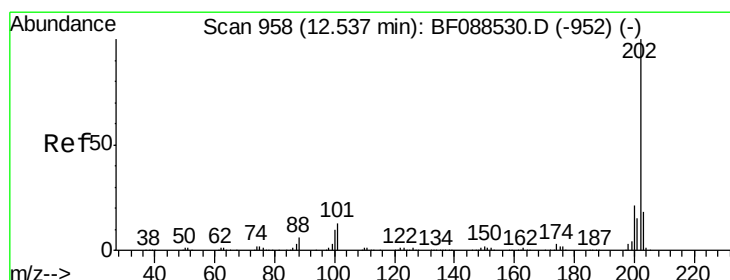
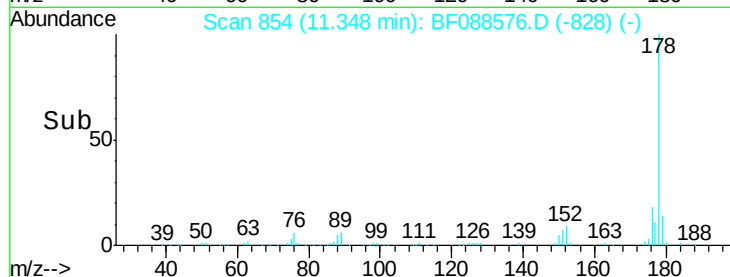
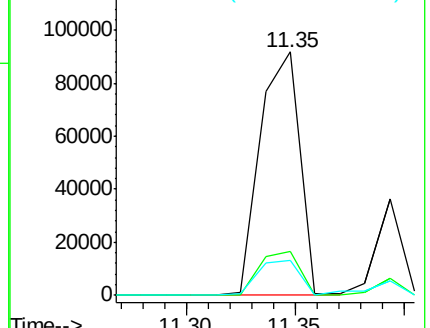
179 14.4 13.0 19.4



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



#74

Fluoranthene

Concen: 11.65 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

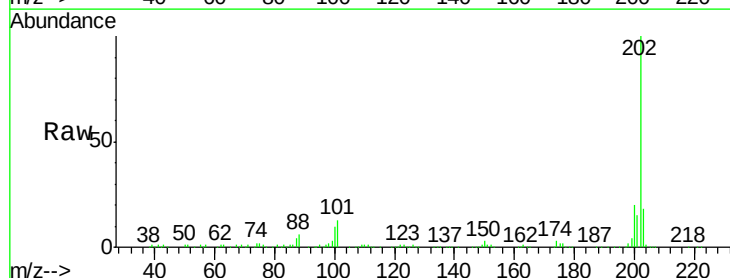
Tgt Ion:202 Resp: 248564

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.1

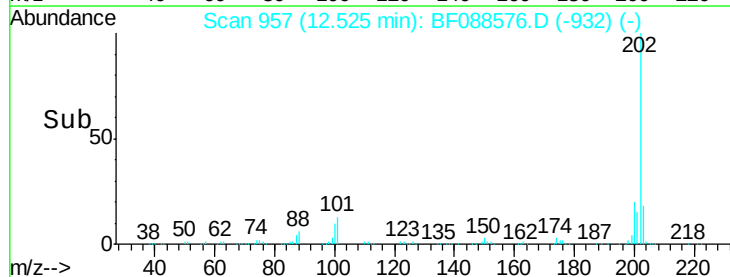
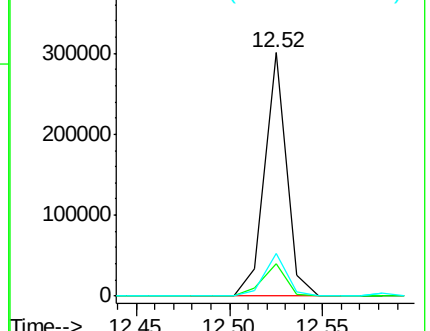
203 17.6 0.0 38.1

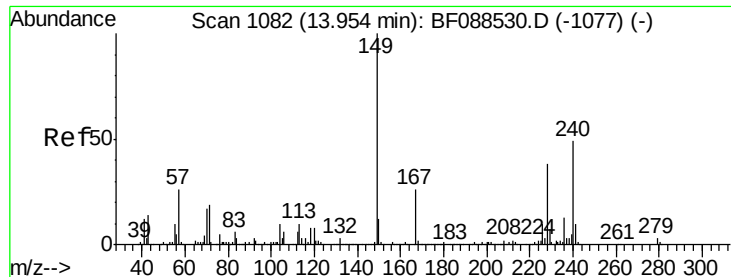


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

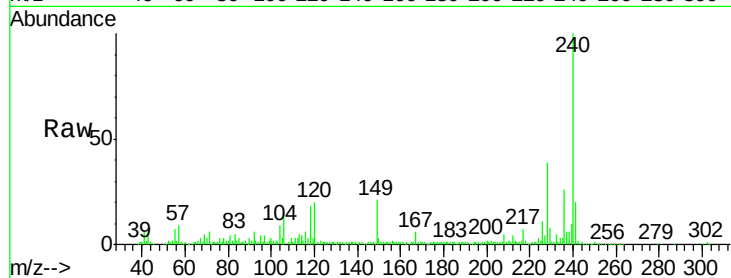
Tot Ion:240 Resp: 275545

Ion Ratio Lower Upper

240 100

120 19.6 6.8 10.2#

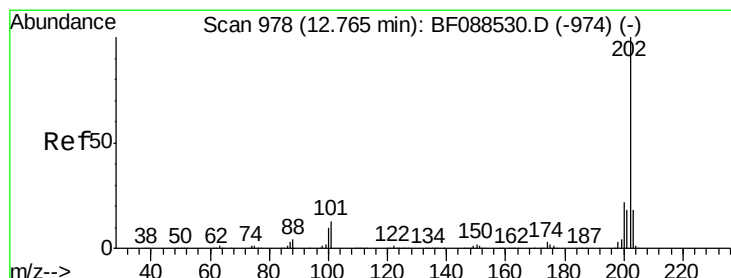
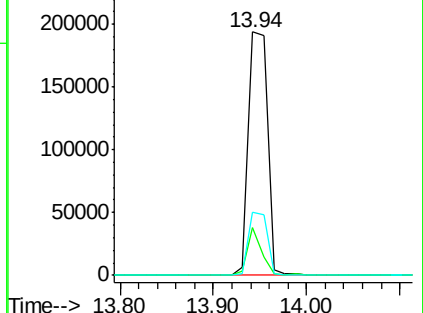
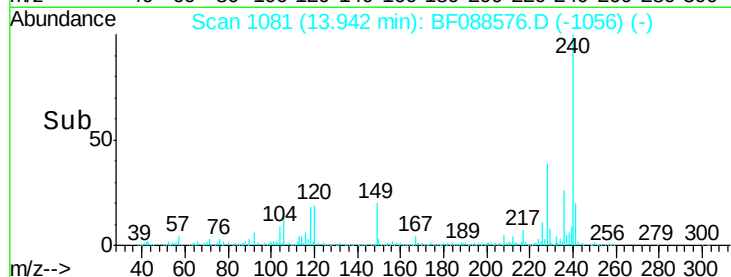
236 25.9 20.2 30.2



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

Pyrene

Concen: 9.10 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

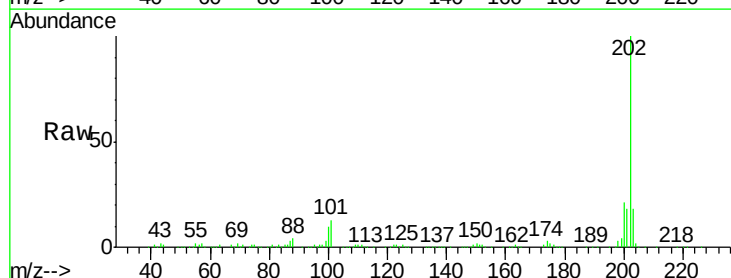
Tgt Ion:202 Resp: 212565

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

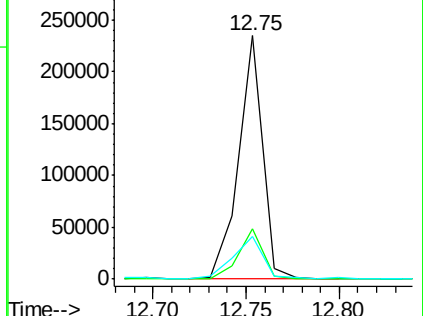
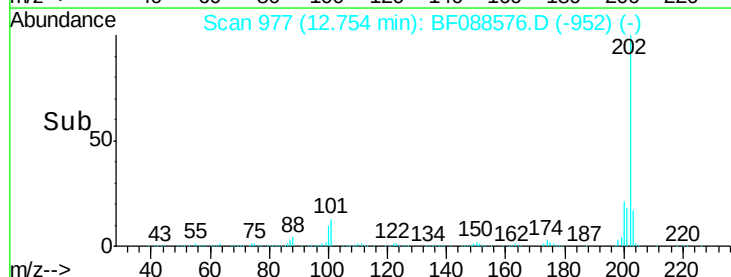
203 17.6 14.5 21.7

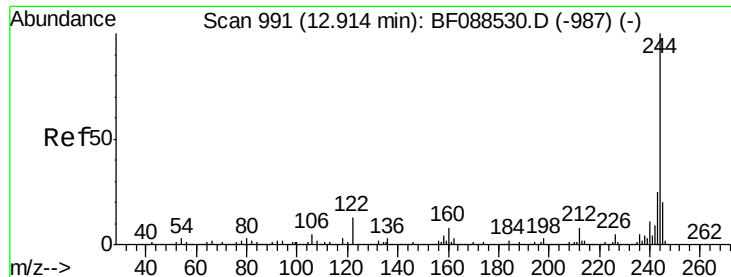


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.45 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

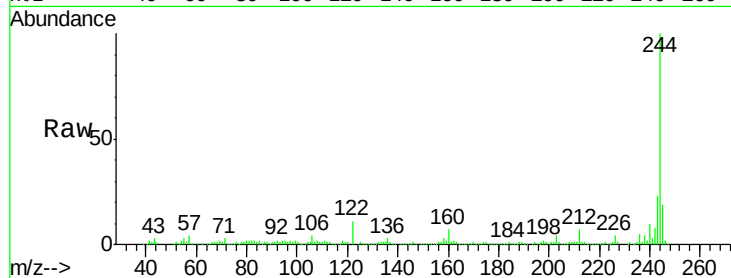
Tot Ion:244 Resp: 166340

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

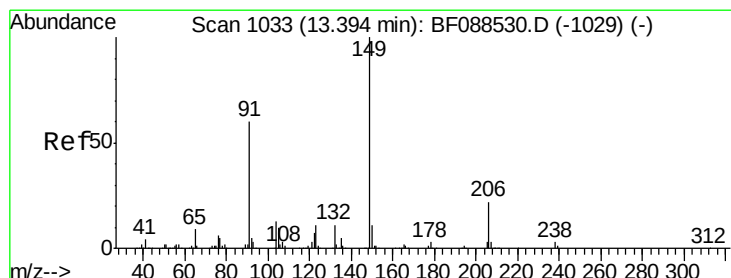
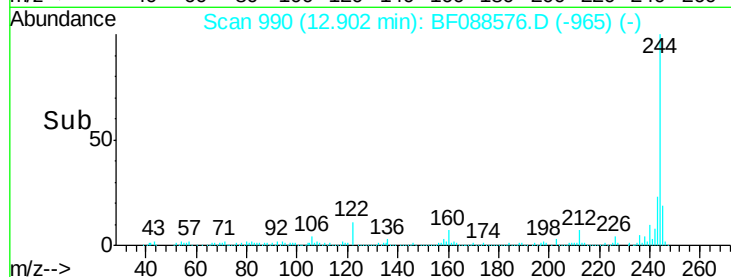
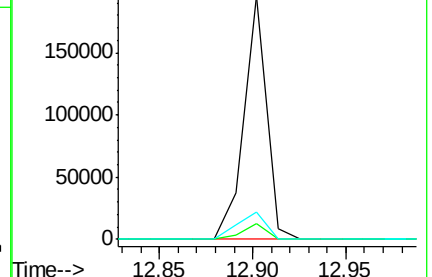
122 11.1 11.2 16.8#



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



#79

Butylbenzylphthalate

Concen: 5.82 ng

RT: 13.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

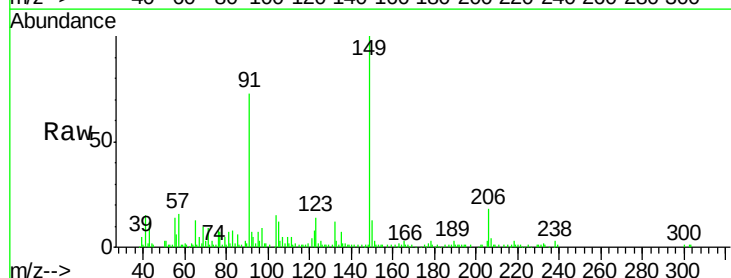
Tgt Ion:149 Resp: 60647

Ion Ratio Lower Upper

149 100

91 73.0 48.0 72.0#

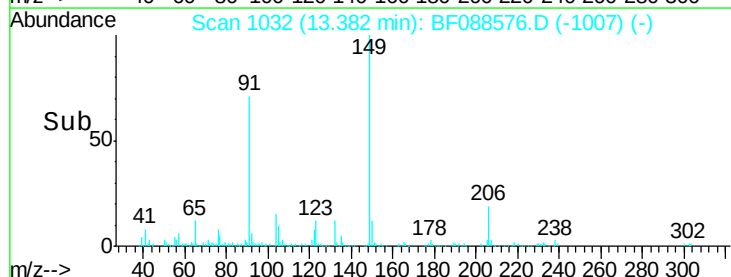
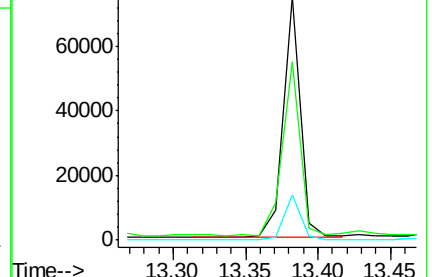
206 18.4 16.0 24.0

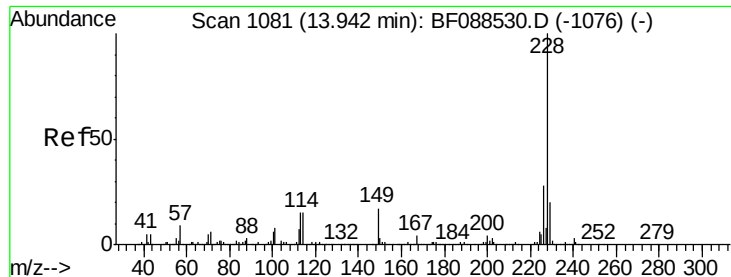


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 6.25 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

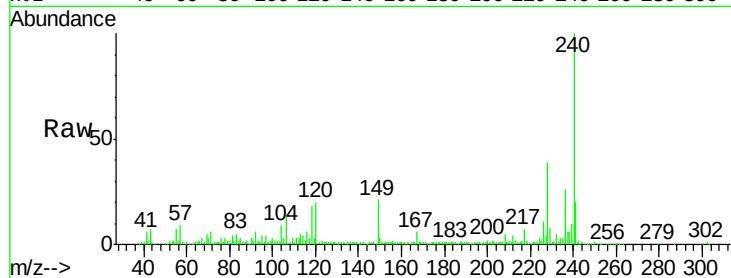
Tot Ion:228 Resp: 110888

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

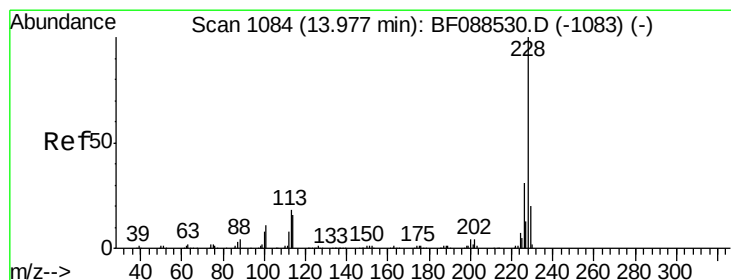
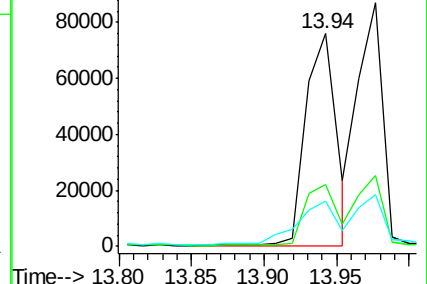
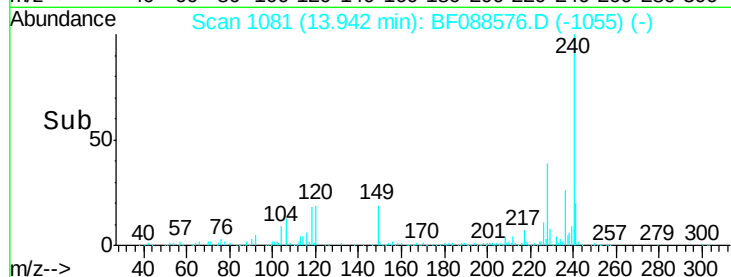
229 21.1 16.0 24.0



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



#82

Chrysene

Concen: 5.87 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

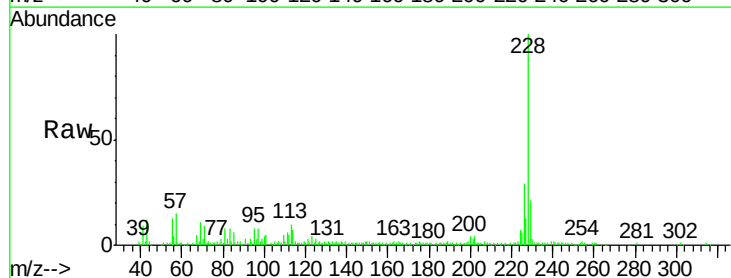
Tgt Ion:228 Resp: 103127

Ion Ratio Lower Upper

228 100

226 29.0 25.4 38.2

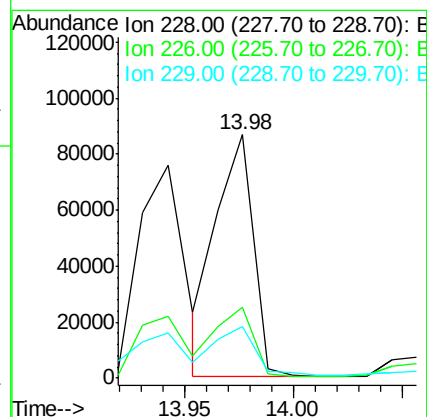
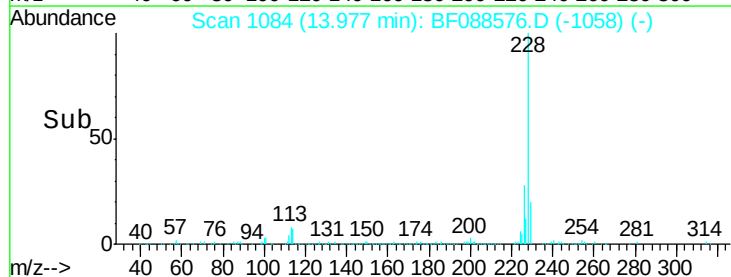
229 21.0 16.3 24.5

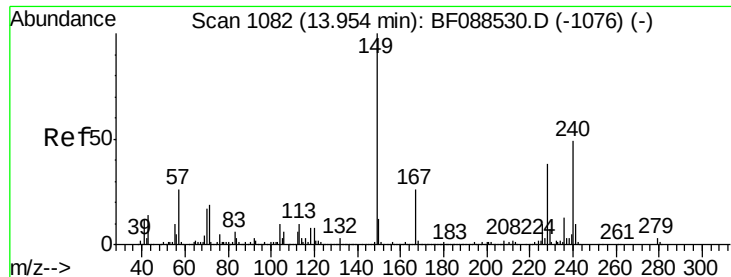


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.83 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

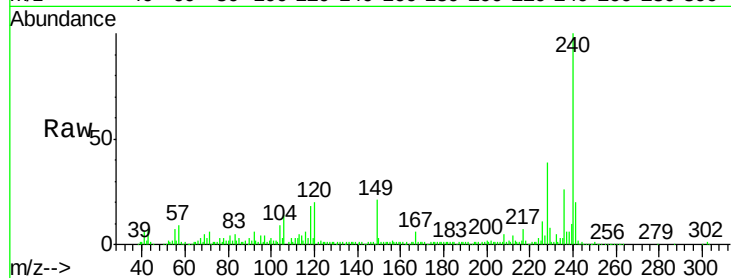
Tot Ion:149 Resp: 57412

Ion Ratio Lower Upper

149 100

167 27.6 20.5 30.7

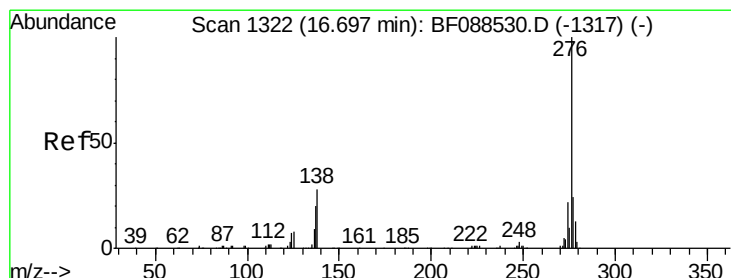
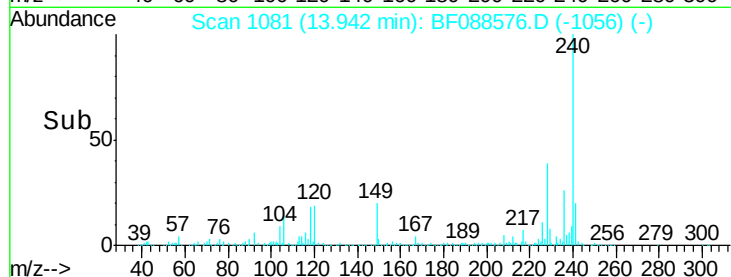
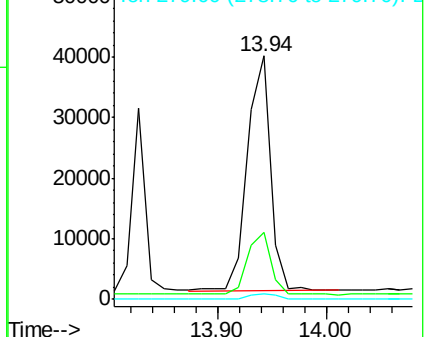
279 2.1 2.0 3.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.01 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF088576.D

Acq: 1 Jul 2016 15:49

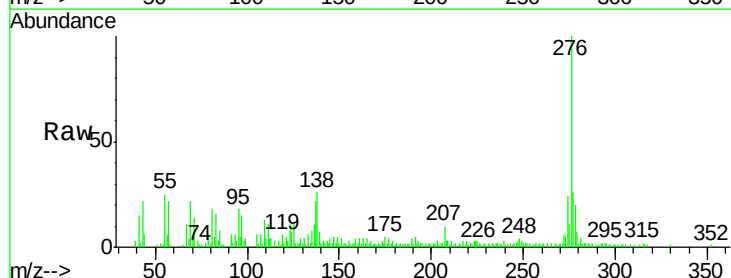
Tgt Ion:276 Resp: 54134

Ion Ratio Lower Upper

276 100

138 27.5 0.0 0.0#

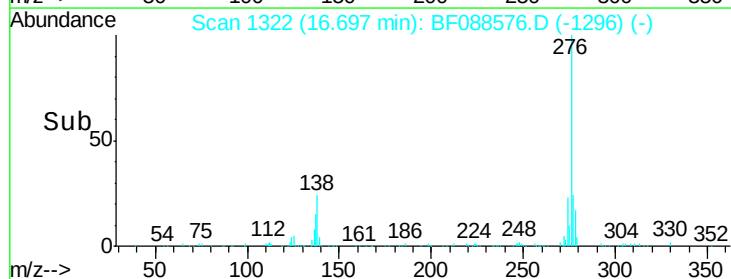
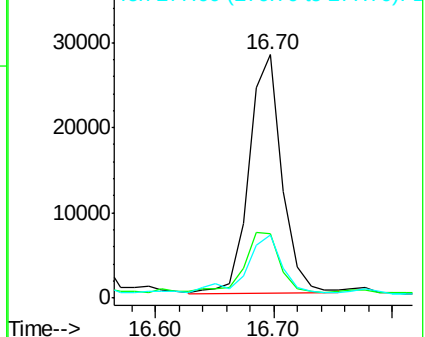
277 28.1 0.0 0.0#

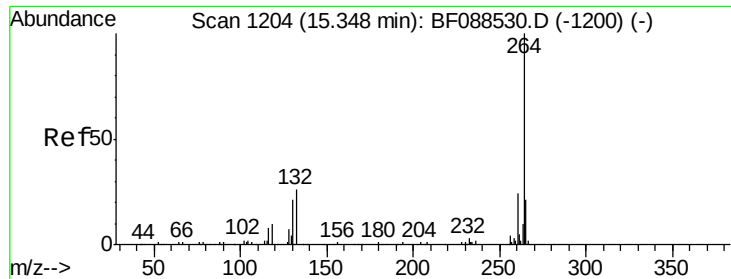


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

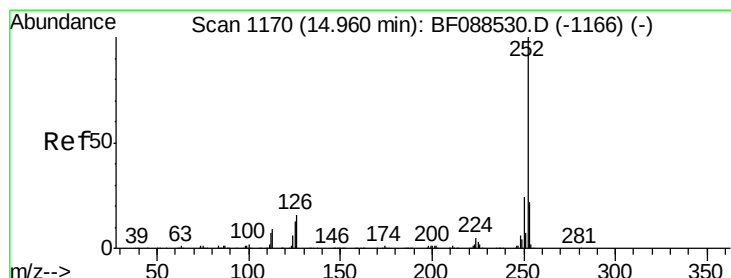
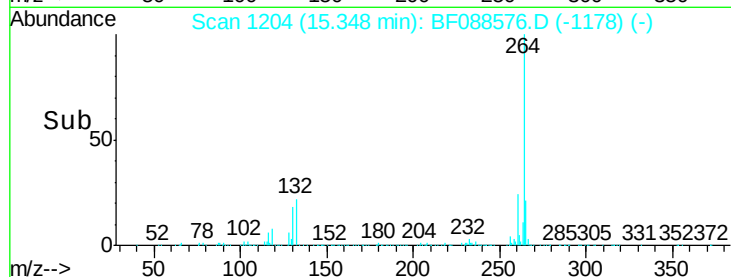
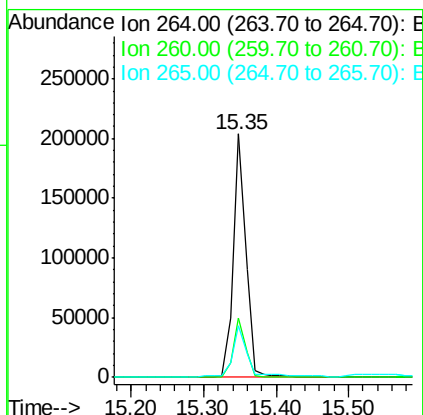
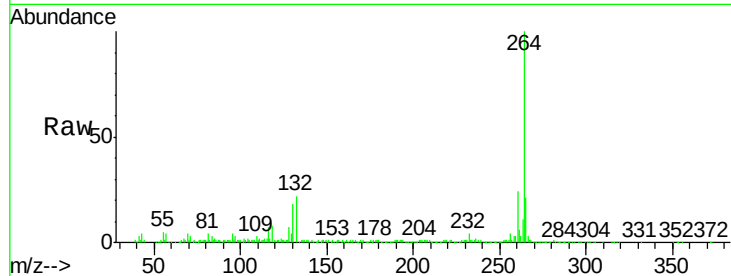




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

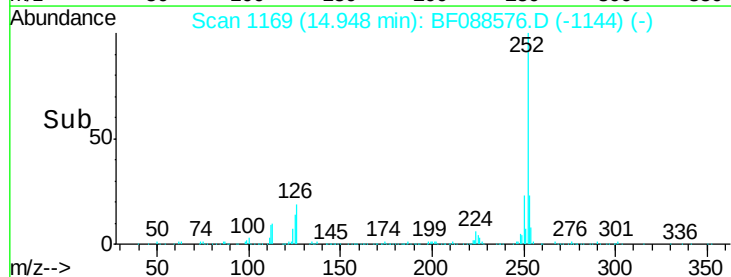
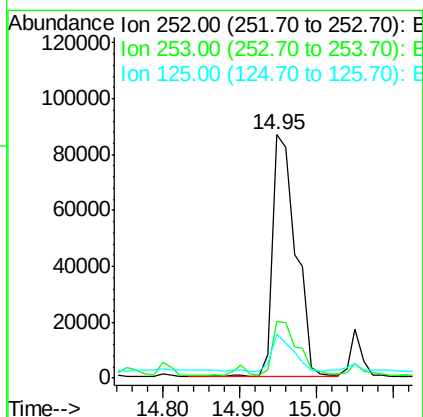
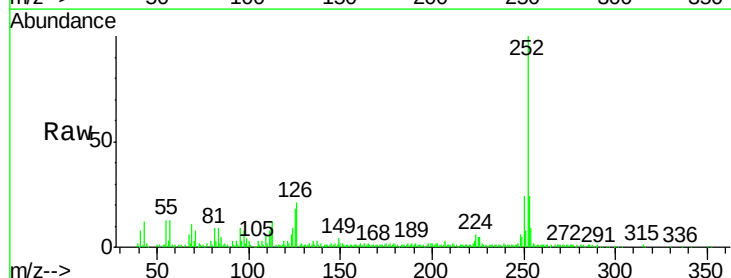
Instrument :
BNA_F
ClientSampled :

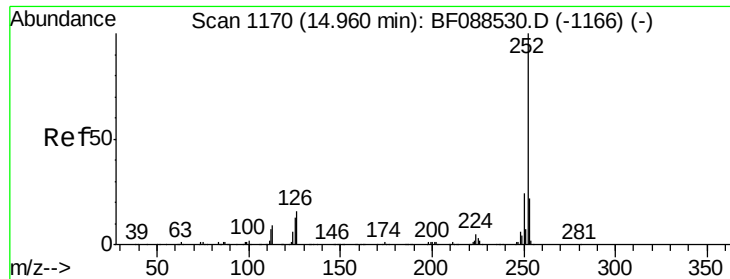
Tot Ion:264 Resp: 245318
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 11.85 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

Tgt Ion:252 Resp: 182385
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 18.0 7.1 10.7#

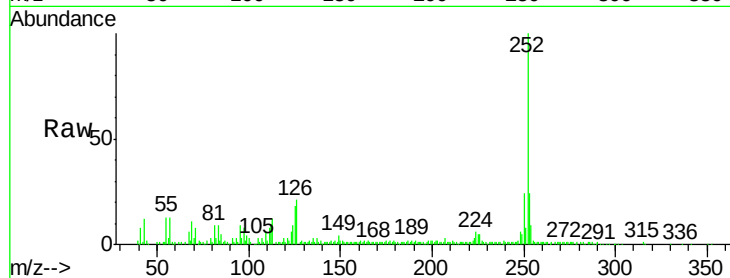




#88
Benzo(k)fluoranthene
Concen: 13.61 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	18.0	11.2	16.8#

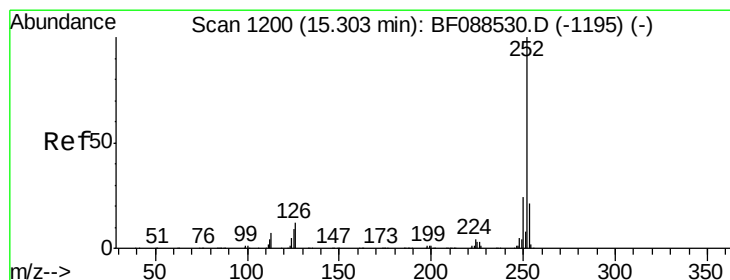
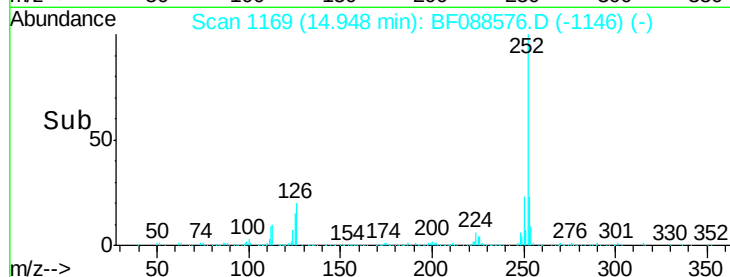
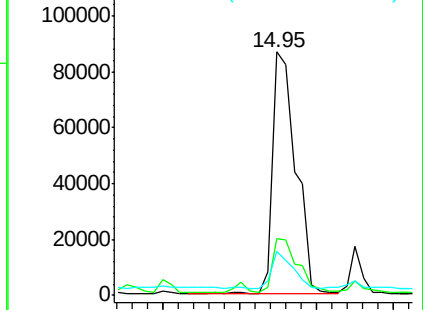


Abundance

Ion 252.00 (251.70 to 252.70): E

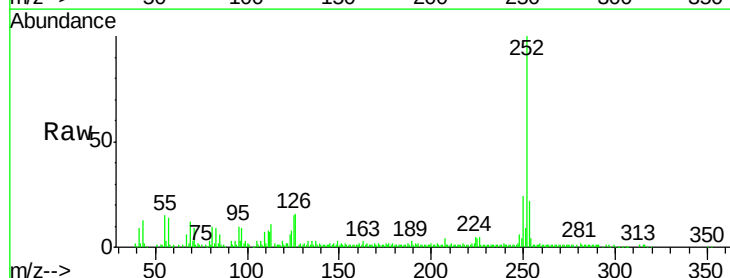
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 6.44 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088576.D
Acq: 1 Jul 2016 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	15.3	12.5	18.7

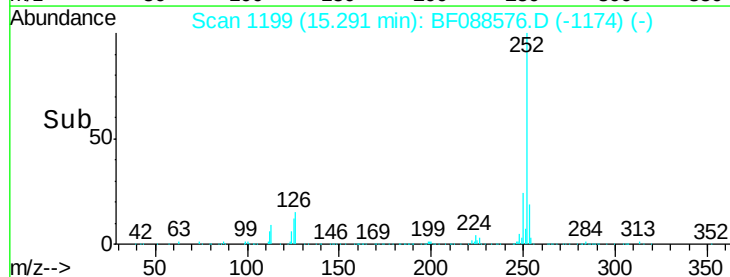
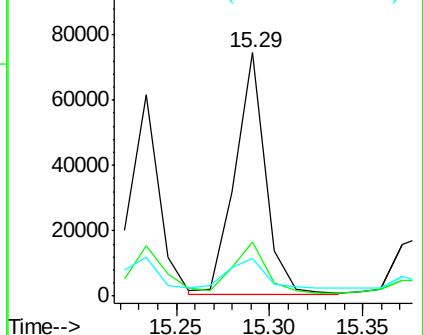


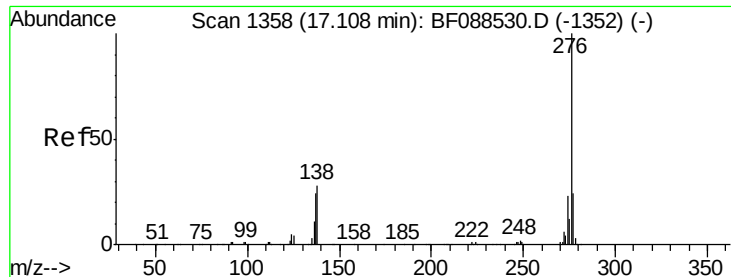
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 4.67 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF088576.D
 Acq: 1 Jul 2016 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
52579	276	100		
	277	25.3	18.9	28.3
	138	25.6	21.4	32.2

