

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088015.D
 Acq On : 14 Jun 2016 23:24
 Operator : UM/SJ
 Sample : H3467-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Quant Time: Jun 15 03:58:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93659	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	357721	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	155473	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	246327	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	228078	20.00	ng	-0.01
86) Perylene-d12	15.35	264	179725	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	763642	139.39	ng	0.00
7) Phenol-d6	6.43	99	1081197	162.84	ng	0.00
23) Nitrobenzene-d5	7.35	82	547370	89.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	186099	113.36	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	989699	101.05	ng	-0.01
78) Terphenyl-d14	12.89	244	714579	71.29	ng	-0.01

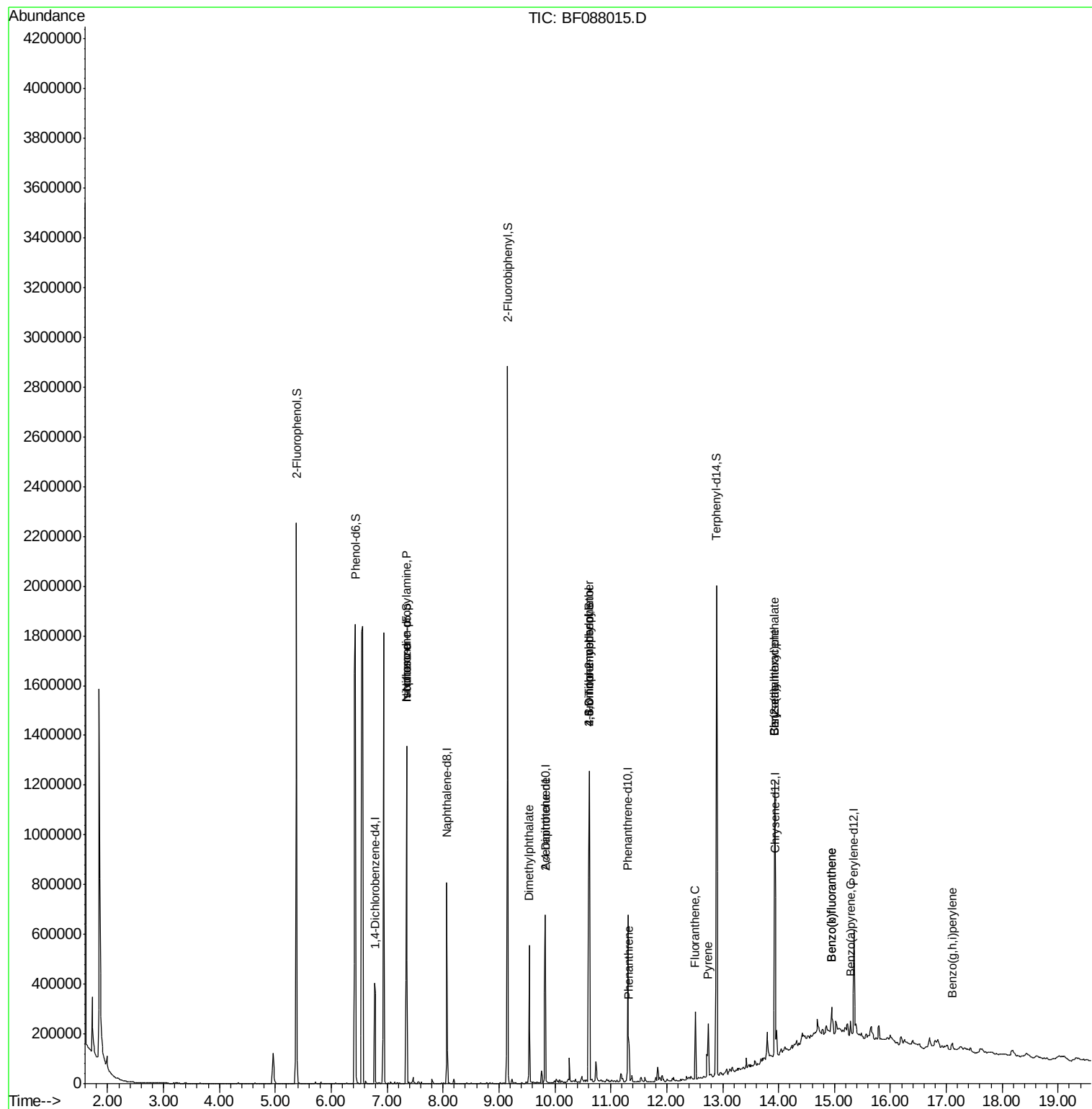
Target Compounds						Qvalue
10) Phenol	6.44	94	3616	Below Cal		92
19) n-Nitroso-di-n-propylamine	7.35	70	70290	16.55 ng	#	73
25) Isophorone	7.35	82	445200	39.23 ng	#	65
45) 1,1'-Biphenyl	9.24	154	497	Below Cal		87
49) Dimethylphthalate	9.54	163	260094	23.09 ng		99
56) 2,4-Dinitrotoluene	9.83	165	20079	6.06 ng	#	37
57) Fluorene	10.36	166	2520	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.62	198	509	2.48 ng	#	11
66) 4-Bromophenyl-phenylether	10.62	248	12533	4.74 ng	#	1
70) Phenanthrene	11.32	178	54014	4.18 ng		98
74) Fluoranthene	12.51	202	97734	7.16 ng		97
77) Pyrene	12.74	202	87274	5.16 ng		98
80) Benzo(a)anthracene	13.93	228	43901	3.38 ng		97
82) Chrysene	13.93	228	43901	3.59 ng		97
83) Bis(2-ethylhexyl)phthalate	13.93	149	198982	21.84 ng		99
87) Benzo(b)fluoranthene	14.95	252	64164	5.12 ng	#	88
88) Benzo(k)fluoranthene	14.95	252	64164	6.79 ng	#	93
89) Benzo(a)pyrene	15.29	252	30711	3.03 ng		98
91) Benzo(g,h,i)perylene	17.11	276	20684	2.14 ng		96

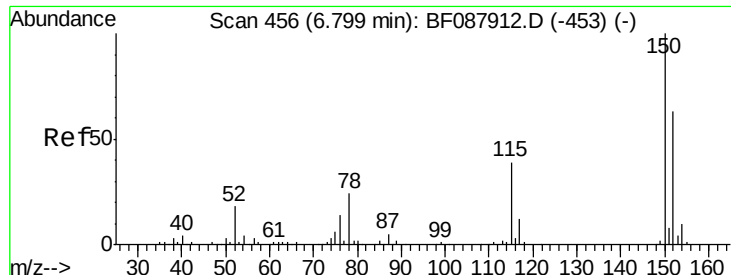
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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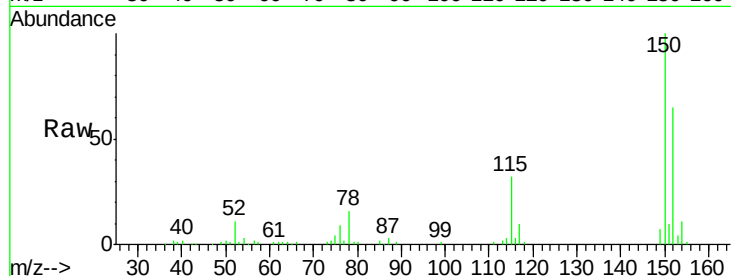


#1

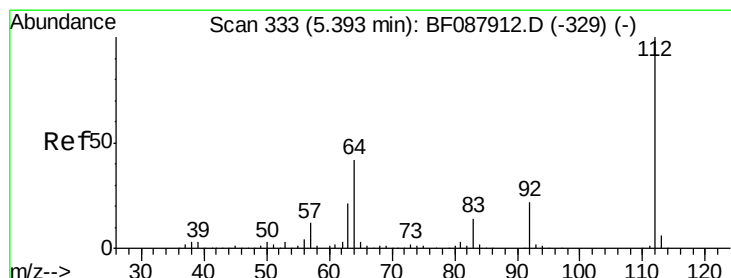
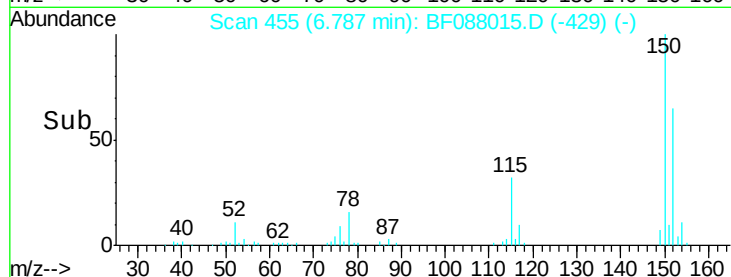
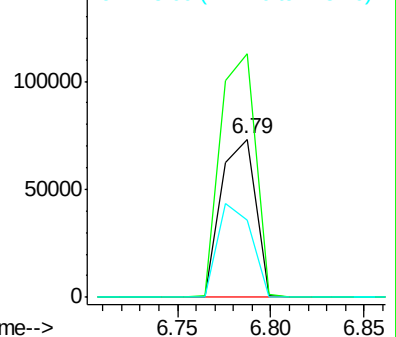
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampled :
S-14-WC-2

Tgt Ion:152 Resp: 93659
Ion Ratio Lower Upper
152 100
150 154.1 123.8 185.6
115 49.1 39.6 59.4



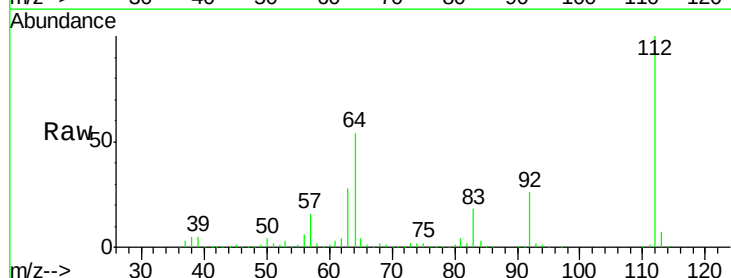
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



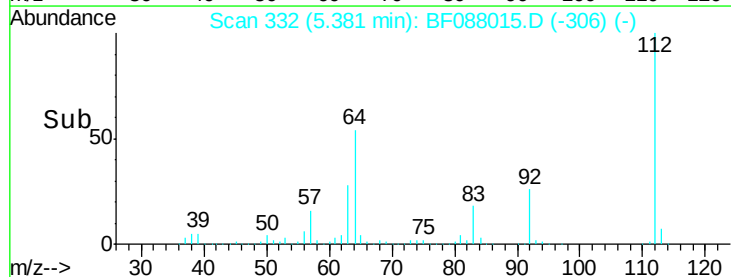
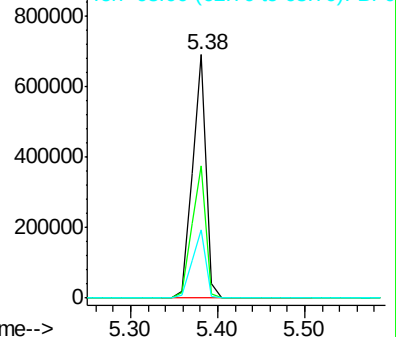
#5

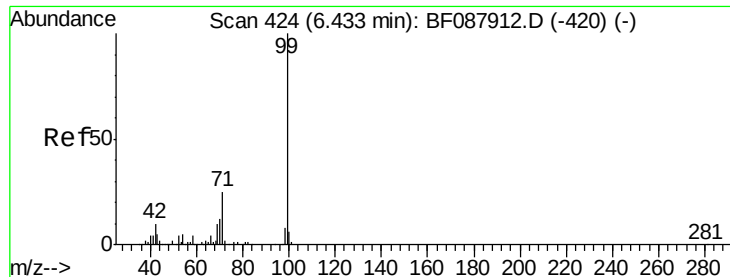
2-Fluorophenol
Concen: 139.39 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion:112 Resp: 763642
Ion Ratio Lower Upper
112 100
64 54.2 42.2 63.2
63 28.0 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: 162.84 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

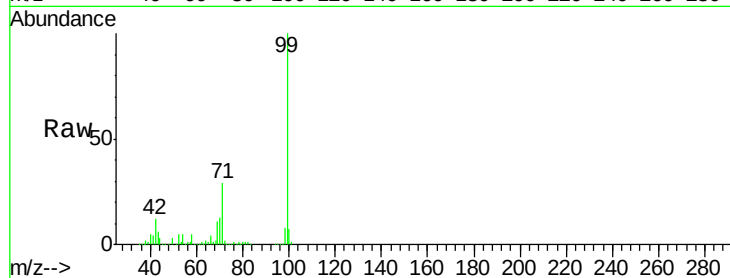
BNA_F

ClientSampleId :

S-14-WC-2

Tgt Ion: 99 Resp: 1081197

Ion	Ratio	Lower	Upper
99	100		
42	12.3	12.2	18.2
71	28.9	23.4	35.0

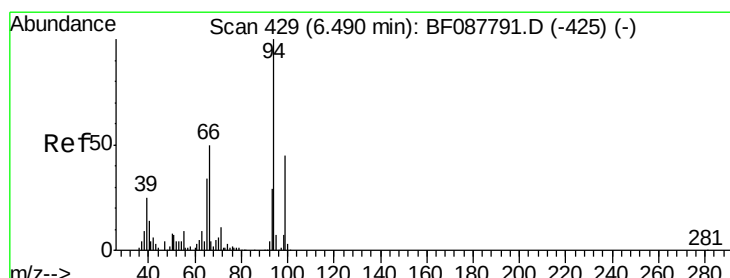
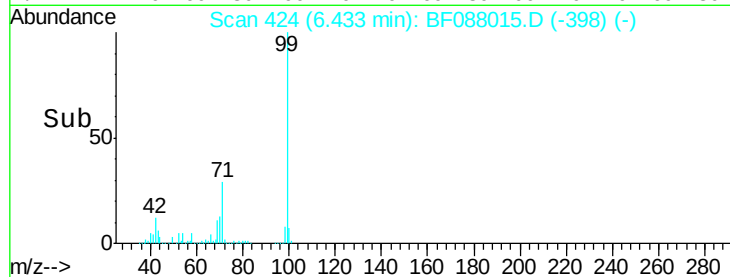


Abundance

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



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

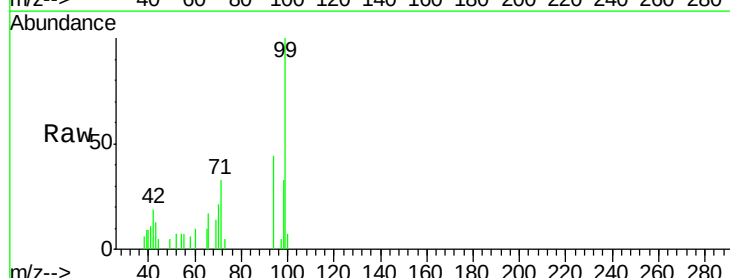
Delta R.T. -0.00 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Tgt Ion: 94 Resp: 3616

Ion	Ratio	Lower	Upper
94	100		
65	22.6	5.9	45.9
66	39.2	14.0	54.0

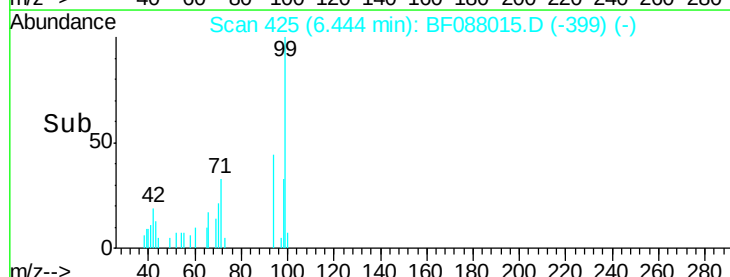


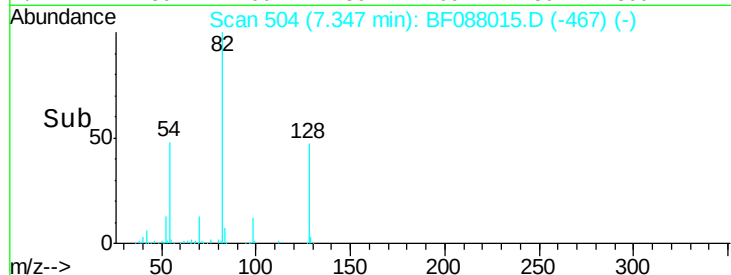
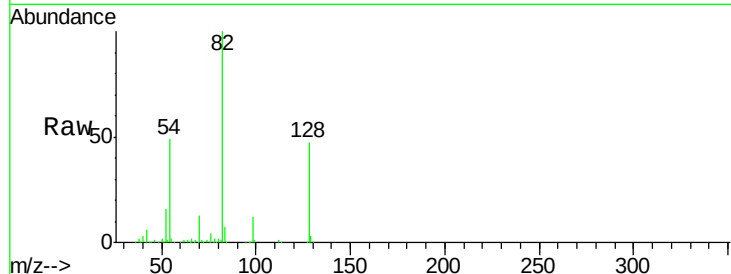
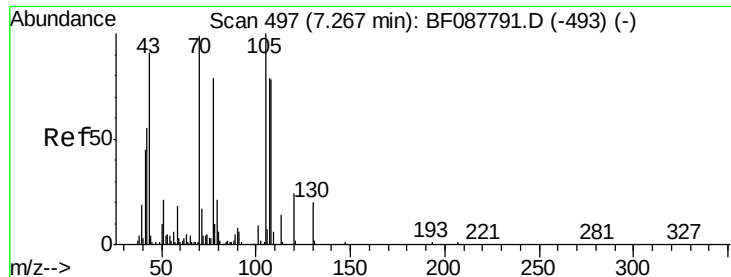
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

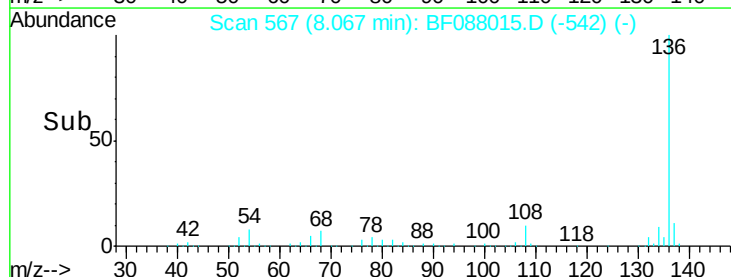
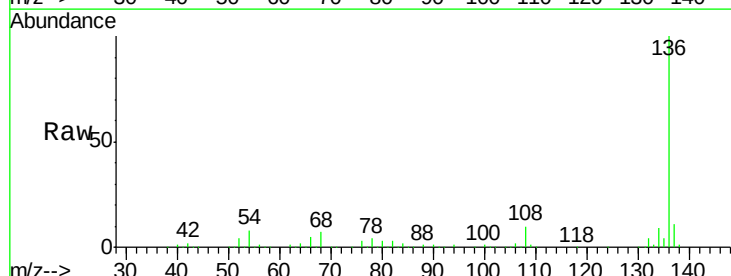
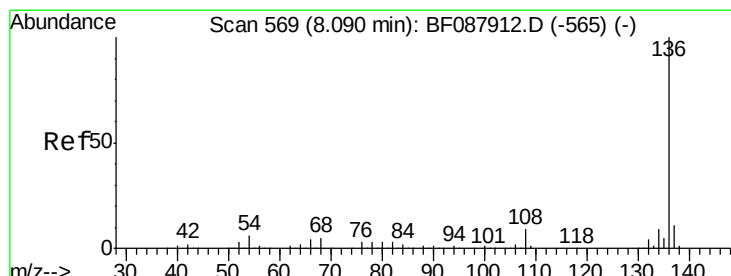
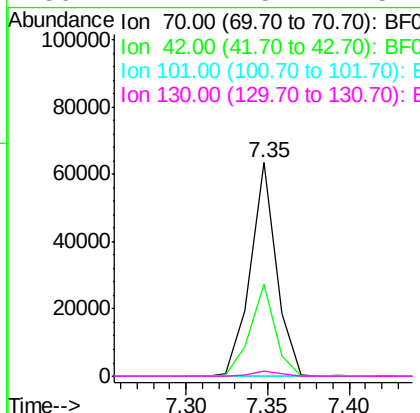




#19
n-Nitroso-di-n-propylamine
Concen: 16.55 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

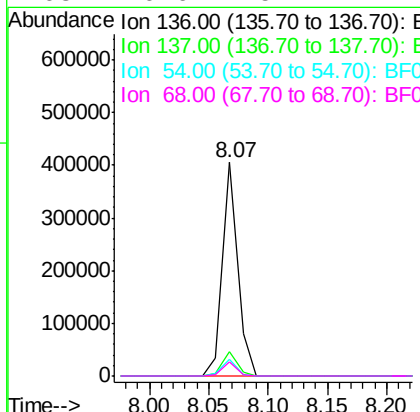
Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

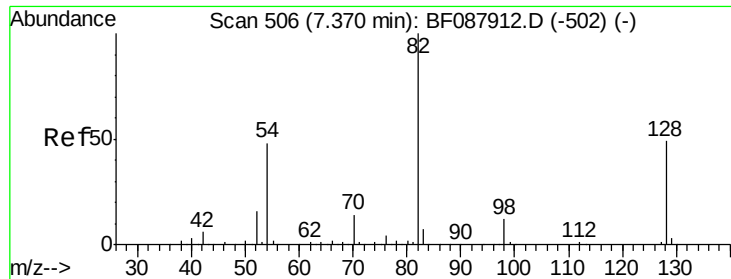
Tgt Ion:	70	Resp:	70290
Ion	Ratio	Lower	Upper
70	100		
42	43.0	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion:	136	Resp:	357721
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.9	6.6	10.0
68	6.6	5.1	7.7

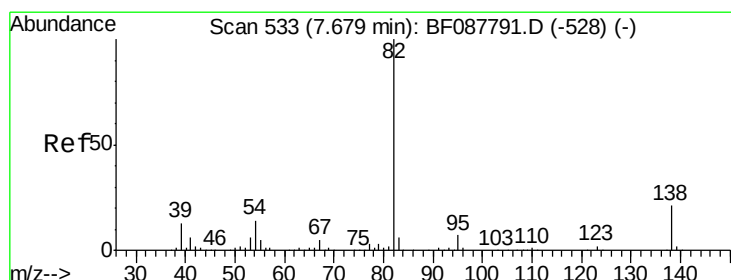
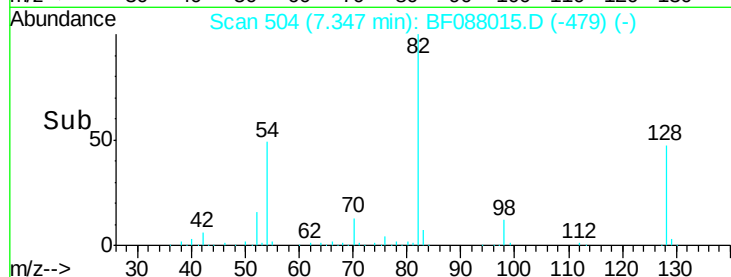
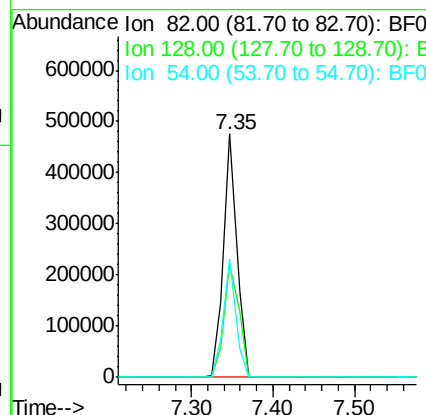
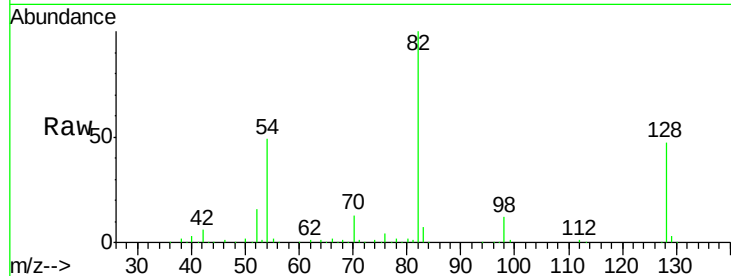




#23
 Nitrobenzene-d5
 Concen: 89.35 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

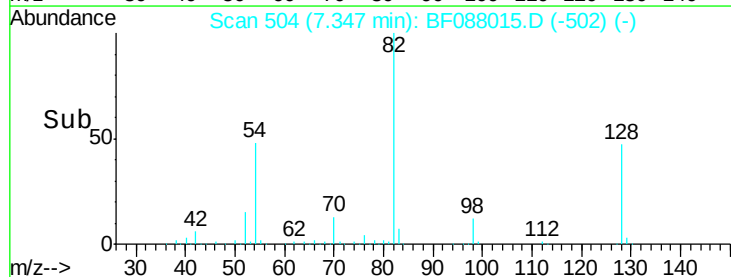
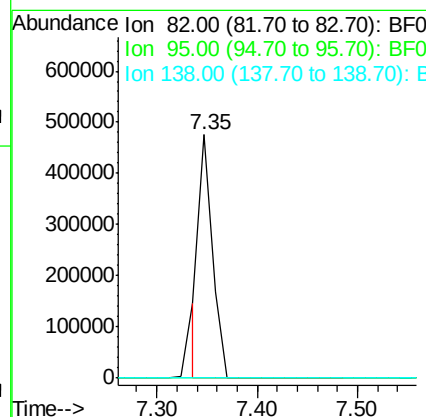
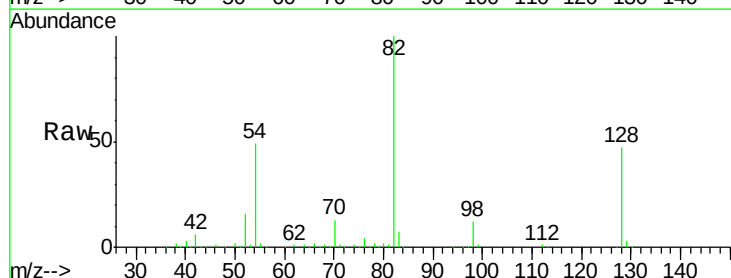
Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

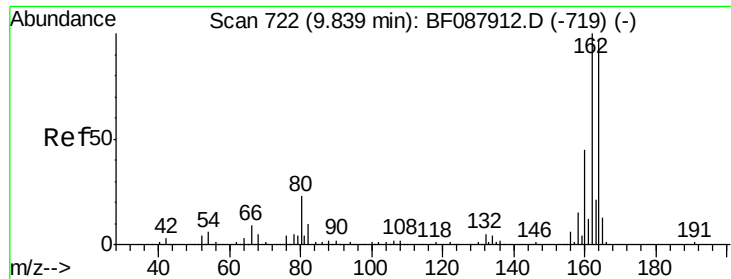
Tgt Ion: 82 Resp: 547370
 Ion Ratio Lower Upper
 82 100
 128 46.7 35.9 53.9
 54 48.5 40.9 61.3



#25
 Isophorone
 Concen: 39.23 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.27 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Tgt Ion: 82 Resp: 445200
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

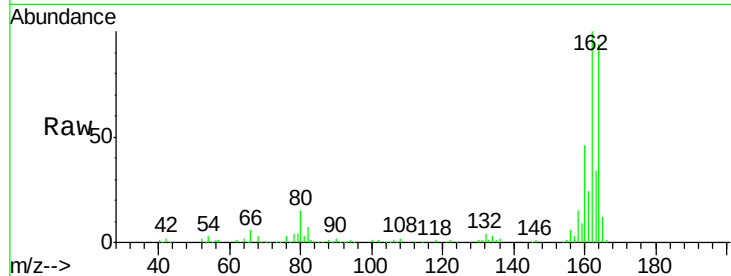
Tgt Ion:164 Resp: 155473

Ion Ratio Lower Upper

164 100

162 106.3 85.4 128.2

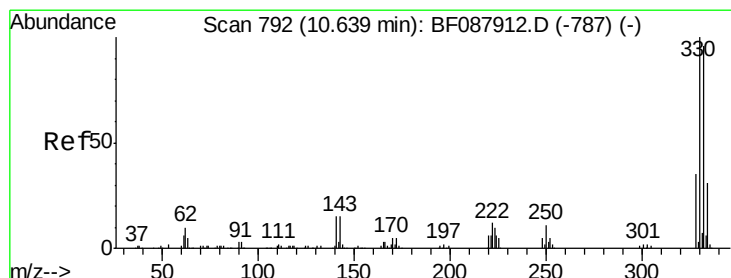
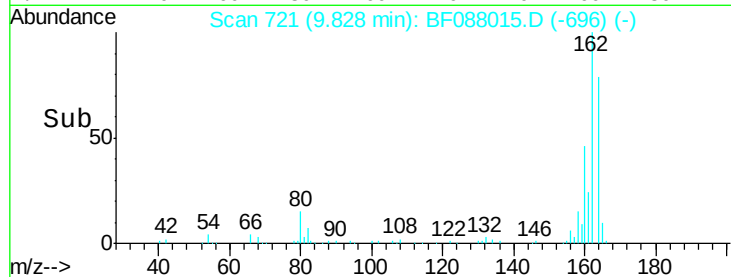
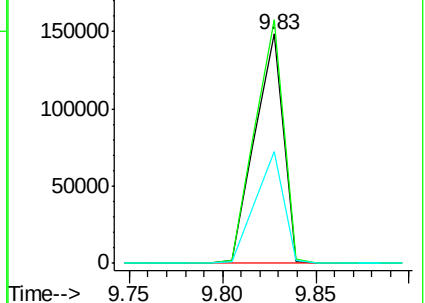
160 48.7 39.5 59.3



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: 113.36 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

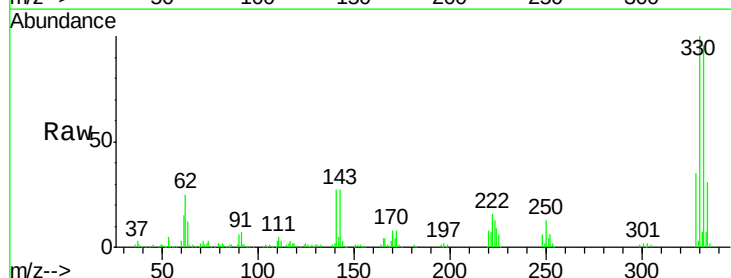
Tgt Ion:330 Resp: 186099

Ion Ratio Lower Upper

330 100

332 96.0 0.0 0.0#

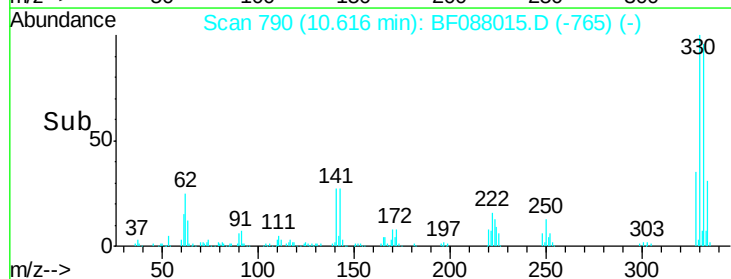
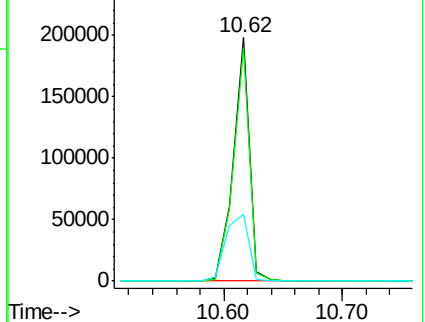
141 38.5 0.0 0.0#

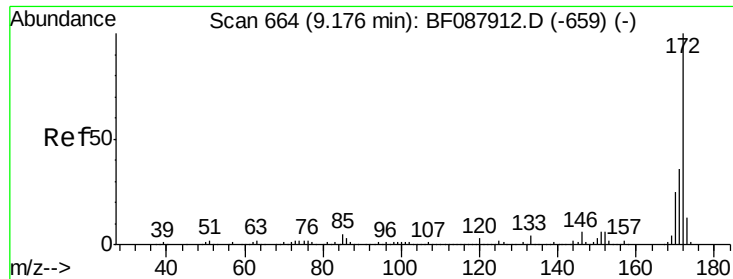


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

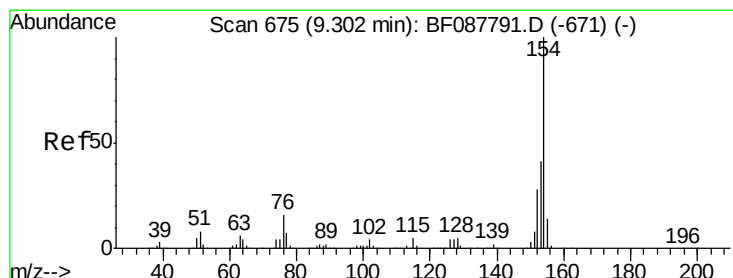
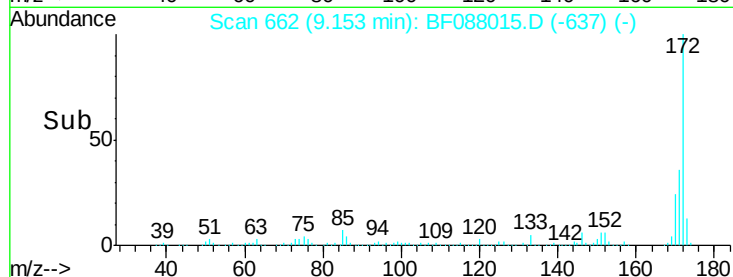
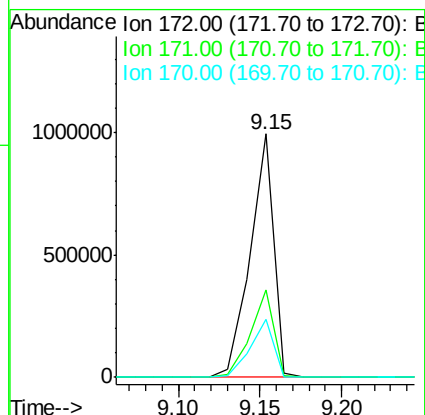
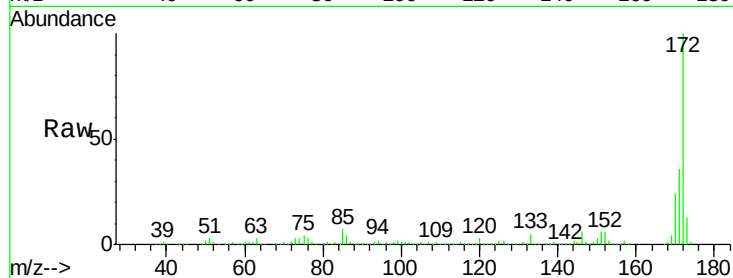




#44
 2-Fluorobiphenyl
 Concen: 101.05 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

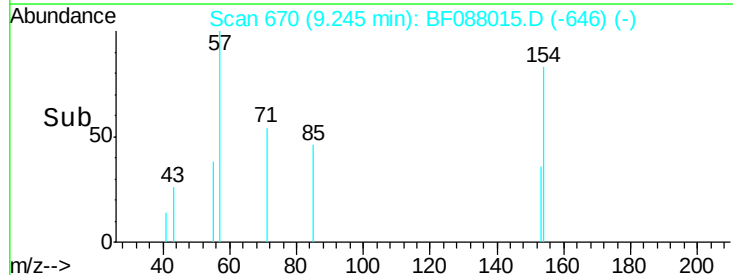
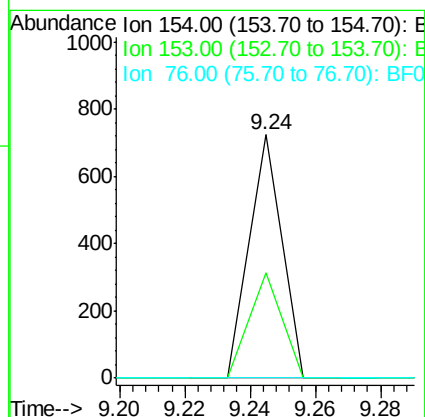
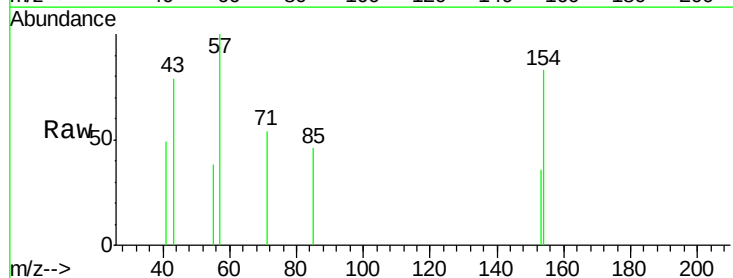
Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

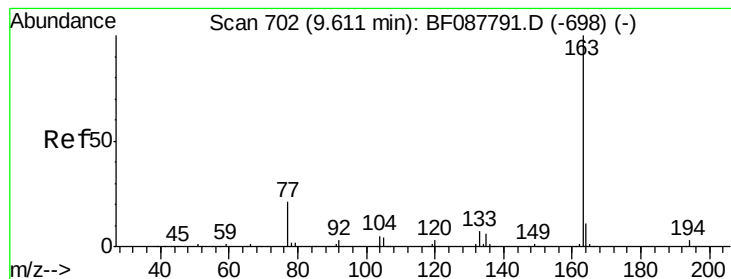
Tgt Ion:172 Resp: 989699
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Tgt Ion:154 Resp: 497
 Ion Ratio Lower Upper
 154 100
 153 43.4 20.6 60.6
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 23.09 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

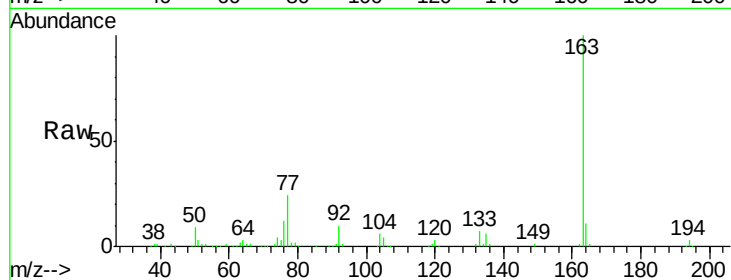
Tgt Ion:163 Resp: 260094

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

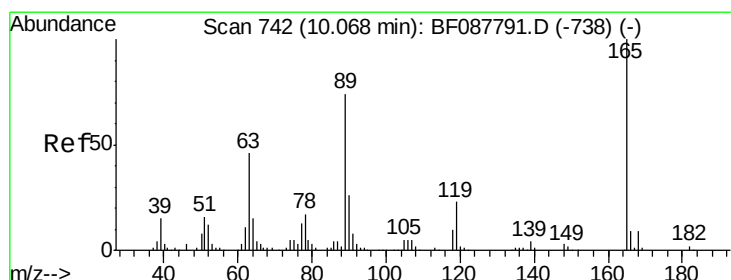
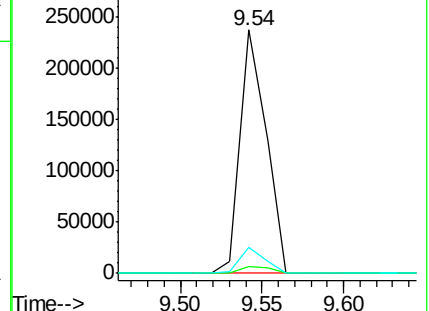
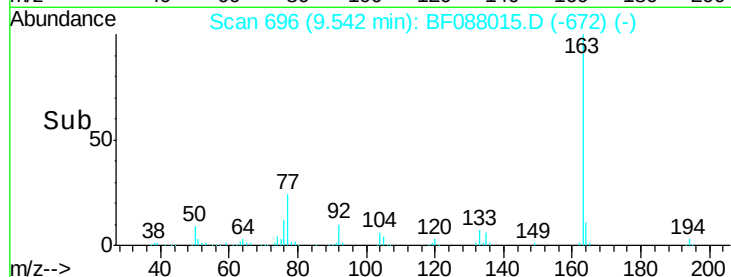
164 10.8 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Tgt Ion:165 Resp: 20079

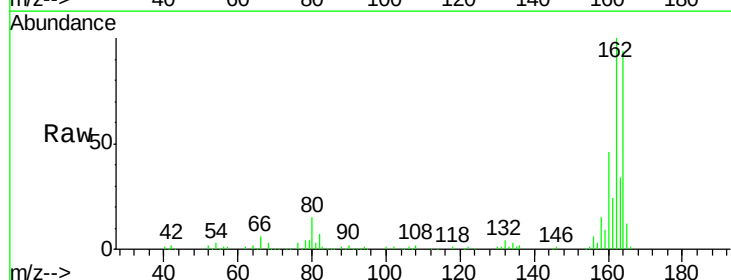
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

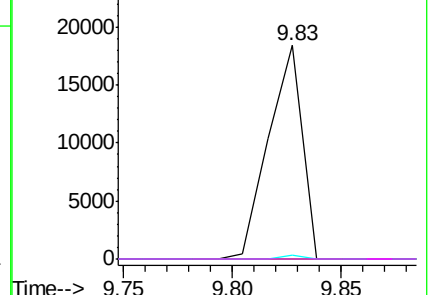
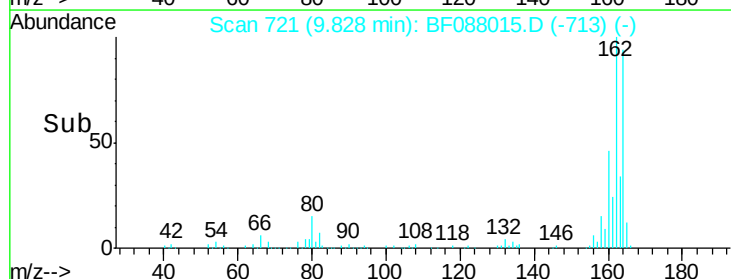


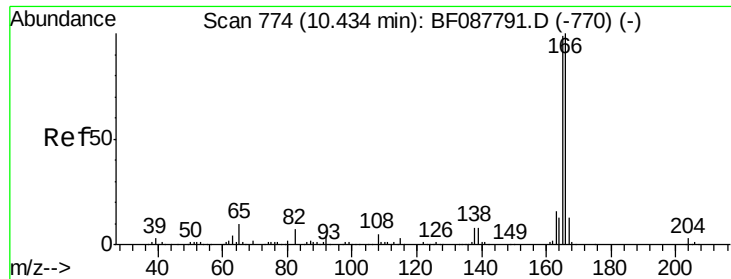
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

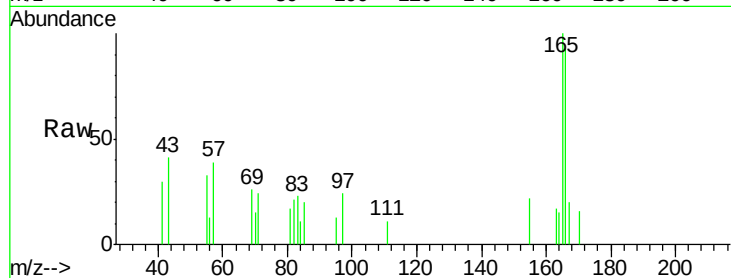
Tgt Ion:166 Resp: 2520

Ion Ratio Lower Upper

166 100

165 107.7 77.8 116.8

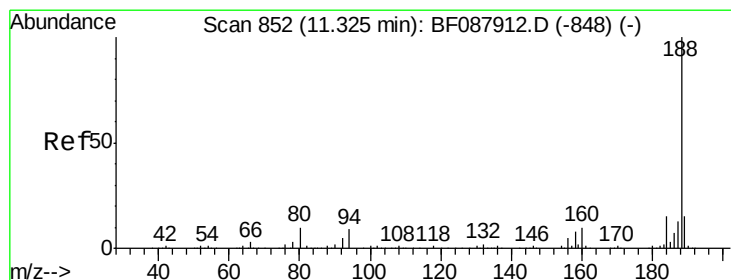
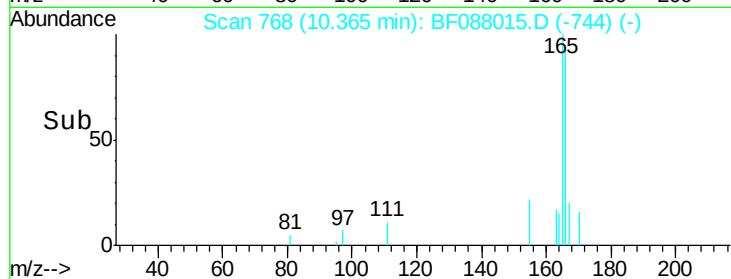
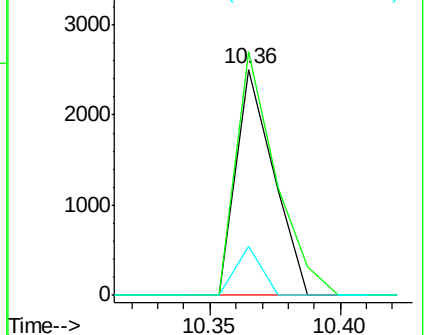
167 21.5 11.2 16.8#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

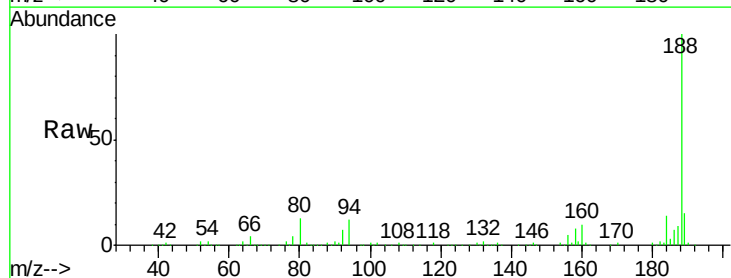
Tgt Ion:188 Resp: 246327

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.6

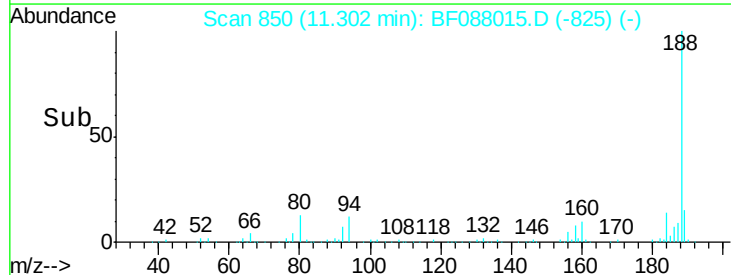
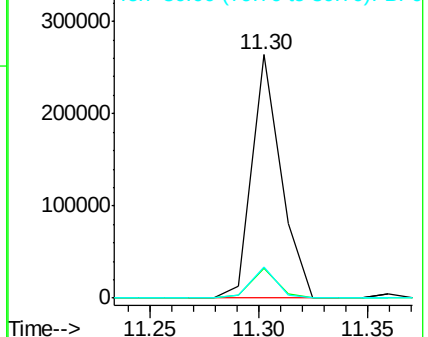
80 13.0 10.0 15.0

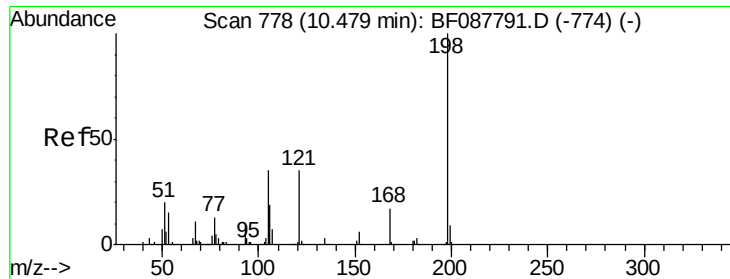


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.48 ng

RT: 10.62 min Scan# 790

Delta R.T. 0.18 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

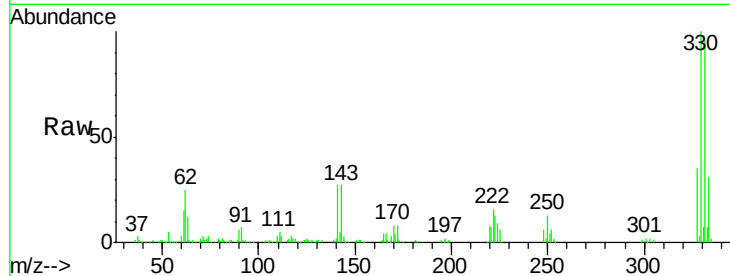
Tgt Ion:198 Resp: 509

Ion Ratio Lower Upper

198 100

51 99.5 39.6 79.6#

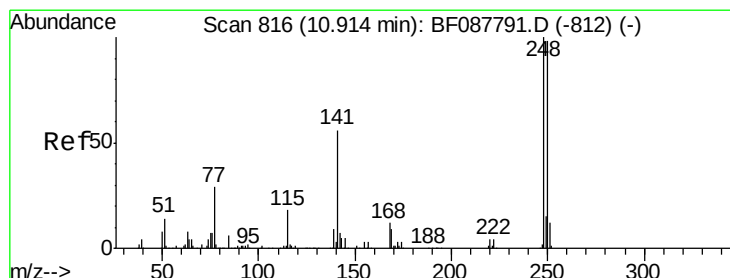
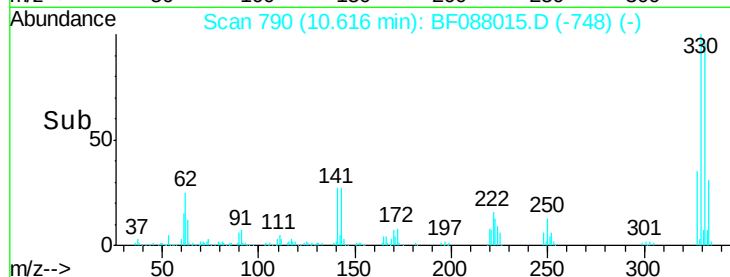
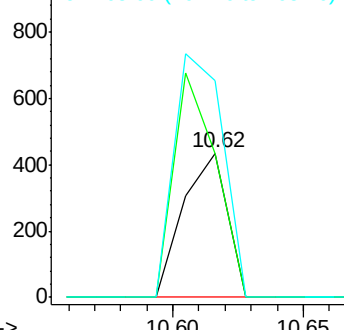
105 149.9 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.74 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.25 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

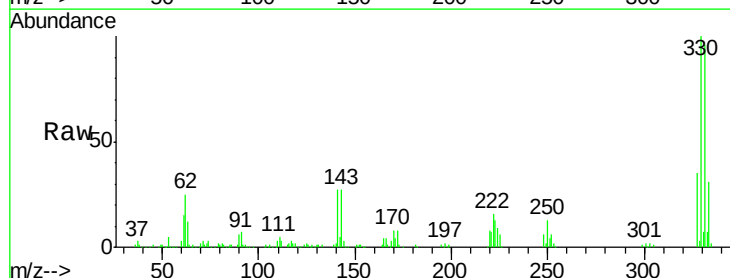
Tgt Ion:248 Resp: 12533

Ion Ratio Lower Upper

248 100

250 194.9 77.1 115.7#

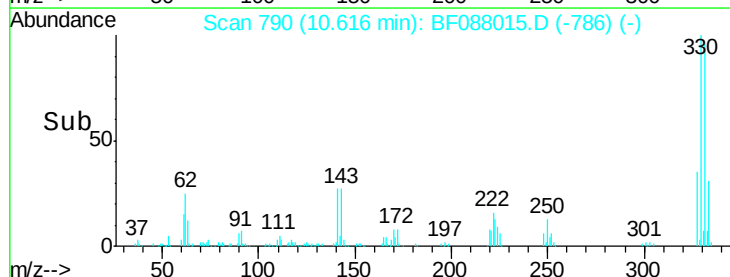
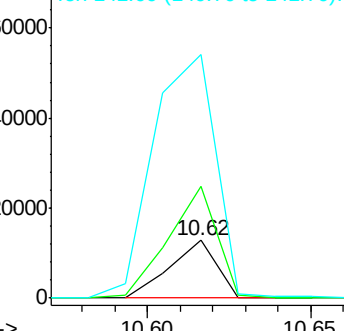
141 422.9 50.6 76.0#

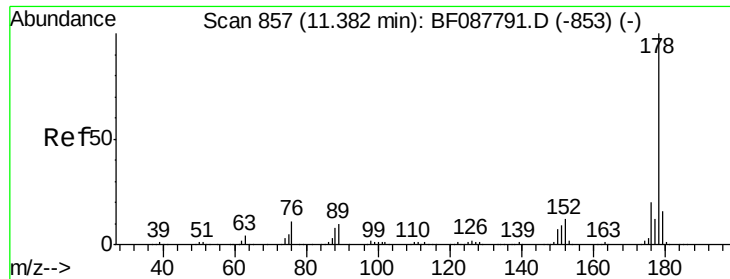


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

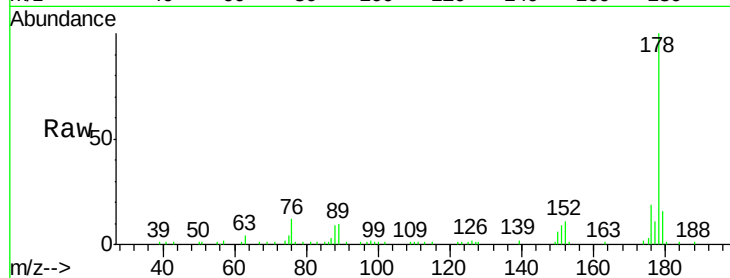




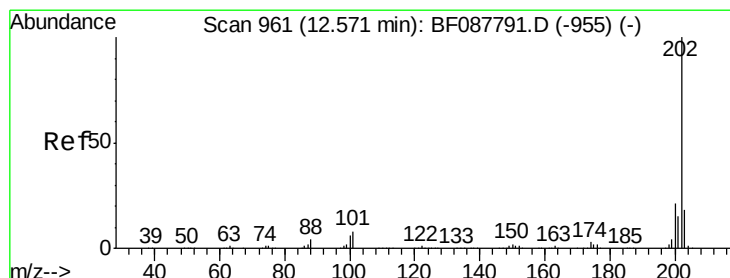
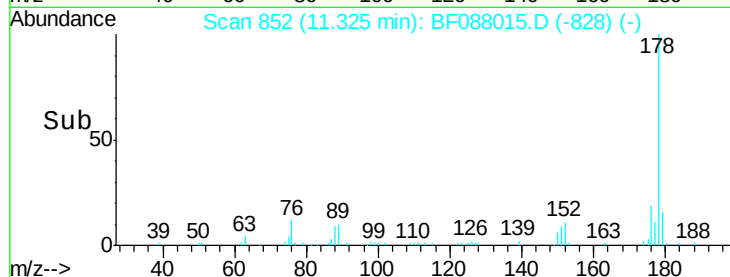
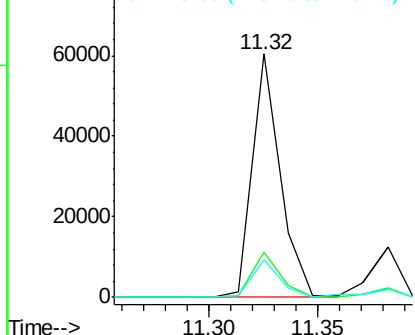
#70
Phenanthrene
Concen: 4.18 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

Tgt Ion:178 Resp: 54014
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.7 13.0 19.4

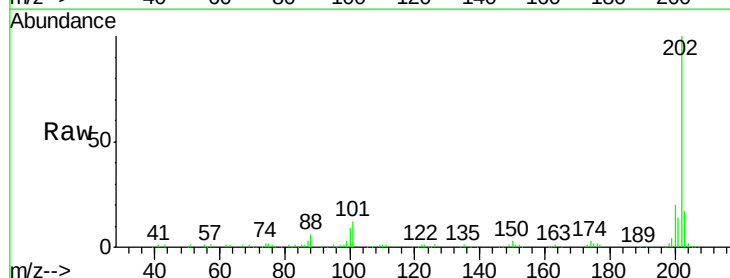


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

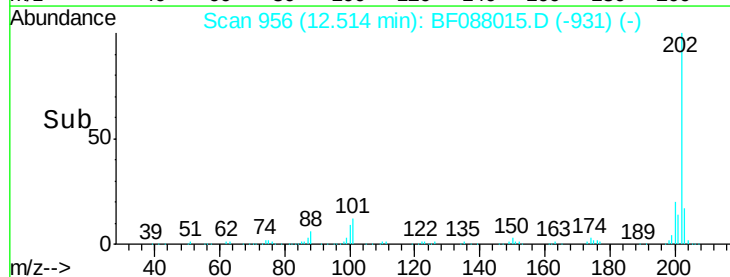
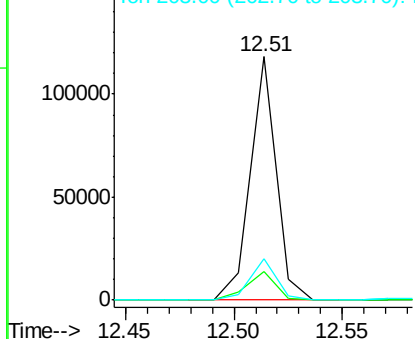


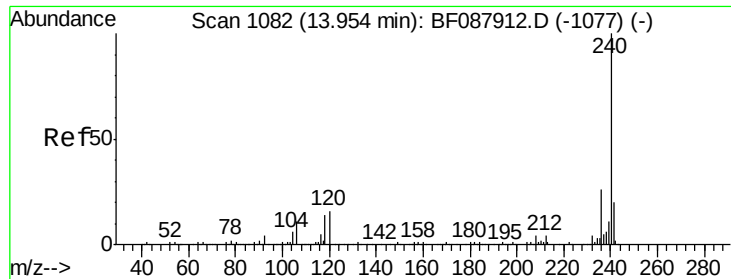
#74
Fluoranthene
Concen: 7.16 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion:202 Resp: 97734
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.1
203 17.1 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: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

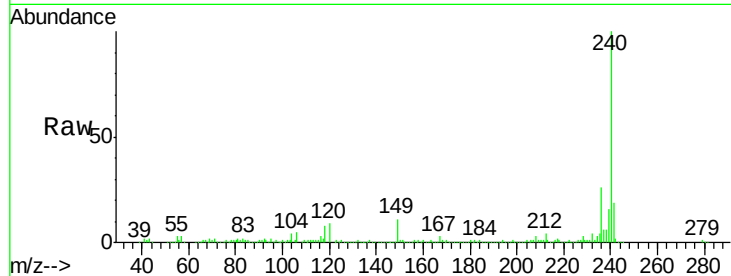
Tgt Ion:240 Resp: 228078

Ion Ratio Lower Upper

240 100

120 8.8 6.8 10.2

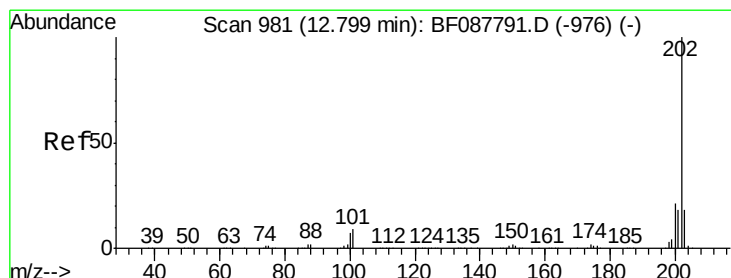
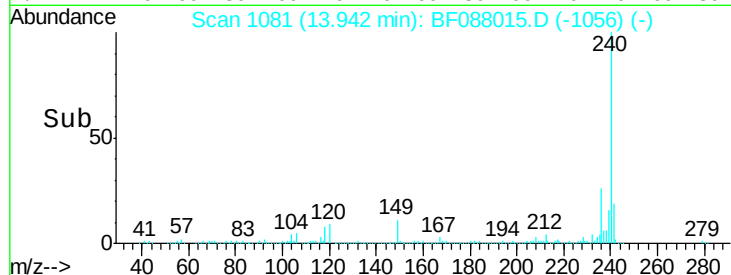
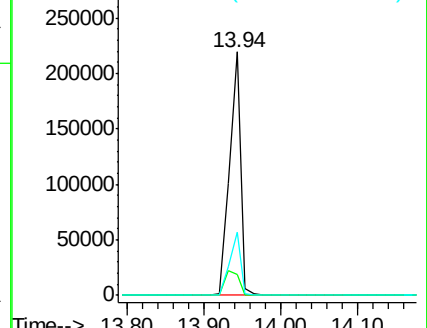
236 25.7 20.2 30.2



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: 5.16 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

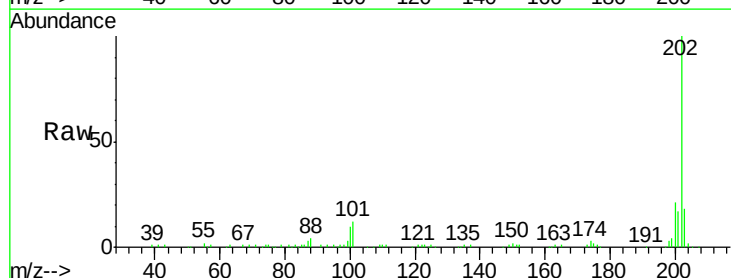
Tgt Ion:202 Resp: 87274

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

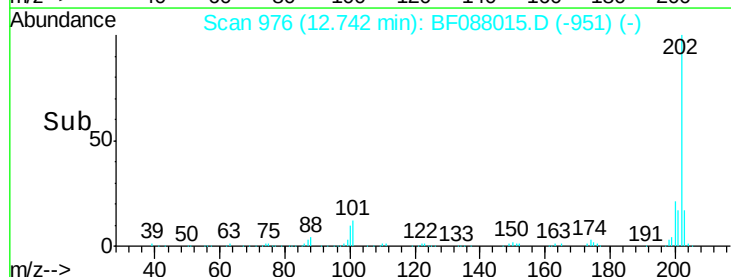
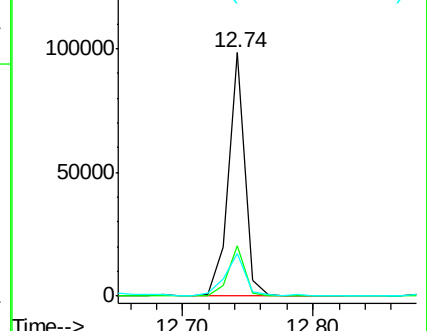
203 17.7 14.5 21.7

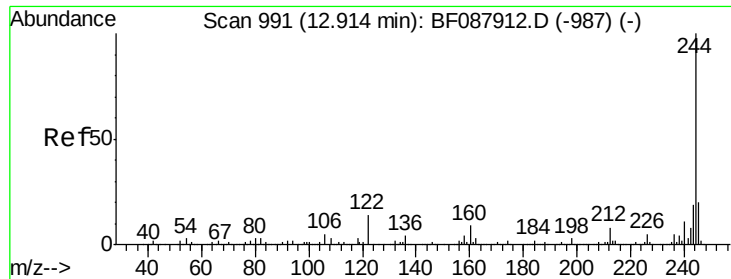


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

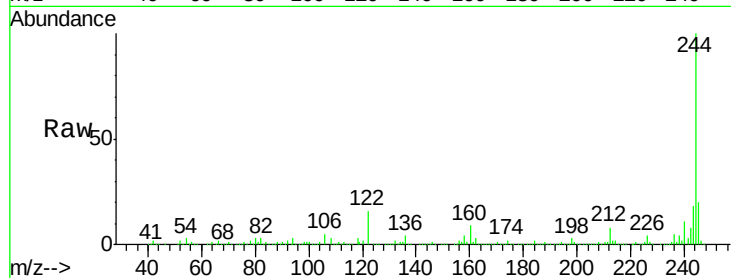




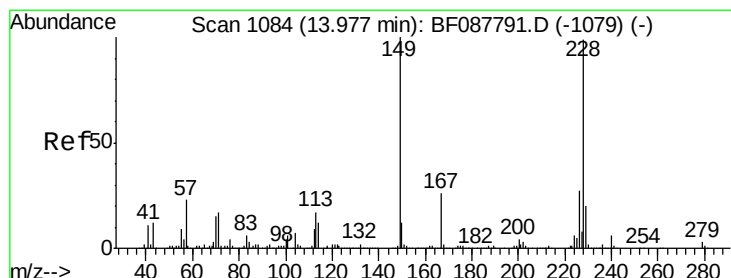
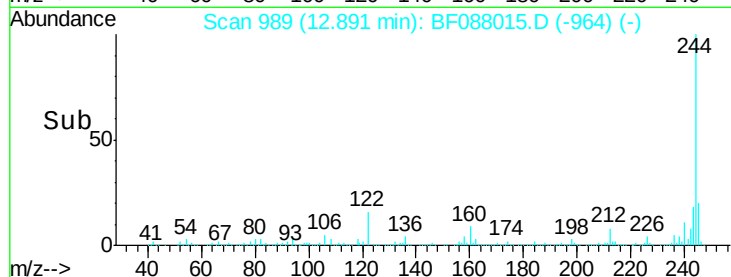
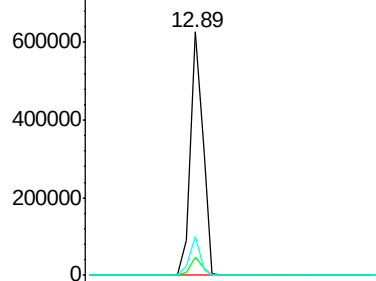
#78
 Terphenyl-d14
 Concen: 71.29 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Instrument :
 BNA_F
 ClientSampleId :
 S-14-WC-2

Tgt Ion:244 Resp: 714579
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 16.1 11.2 16.8

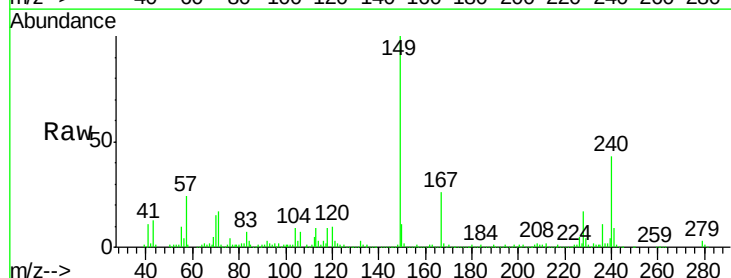


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

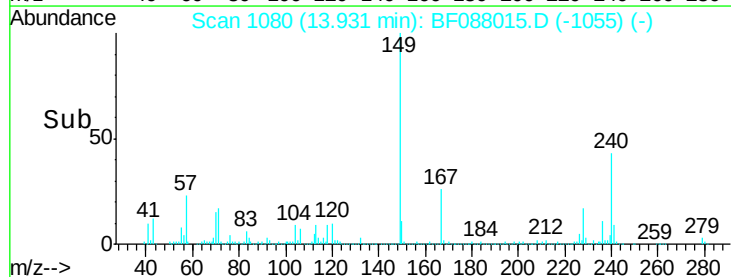
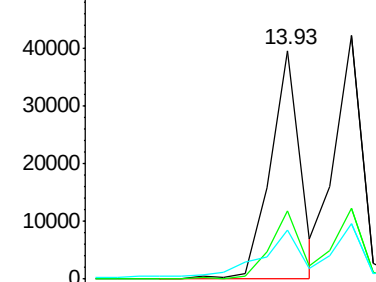


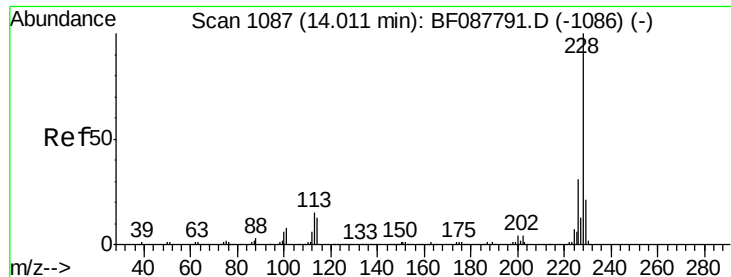
#80
 Benzo(a)anthracene
 Concen: 3.38 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF088015.D
 Acq: 14 Jun 2016 23:24

Tgt Ion:228 Resp: 43901
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.3 33.5
 229 21.4 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: 3.59 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2

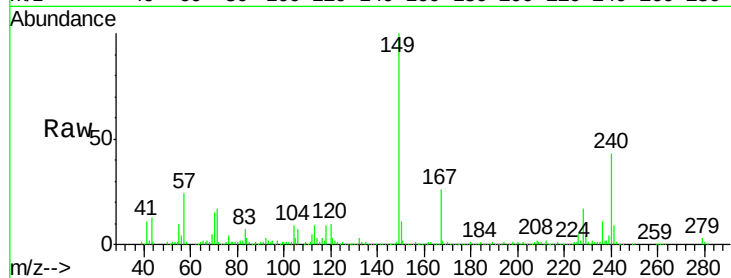
Tgt Ion: 228 Resp: 43901

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

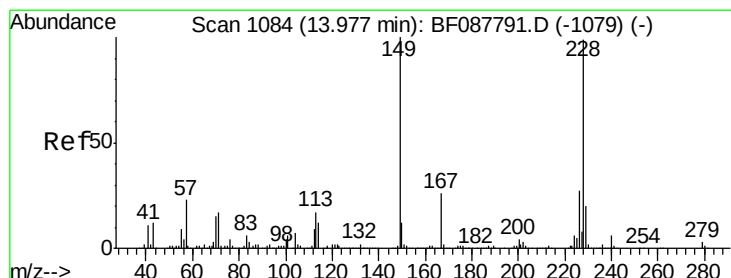
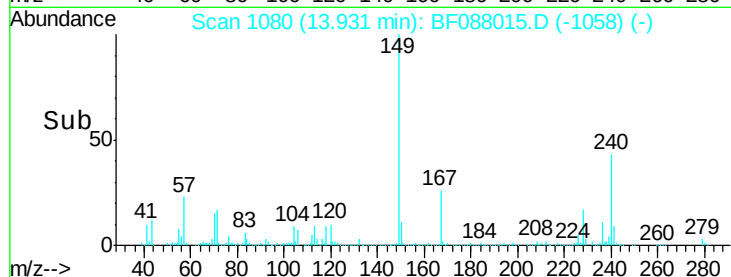
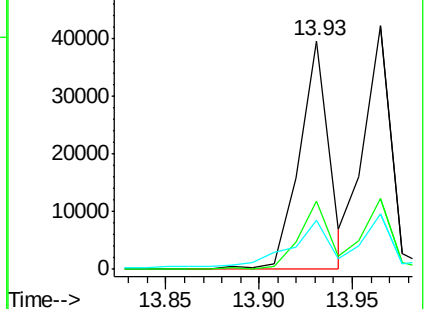
229 21.4 16.3 24.5



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: 21.84 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088015.D

Acq: 14 Jun 2016 23:24

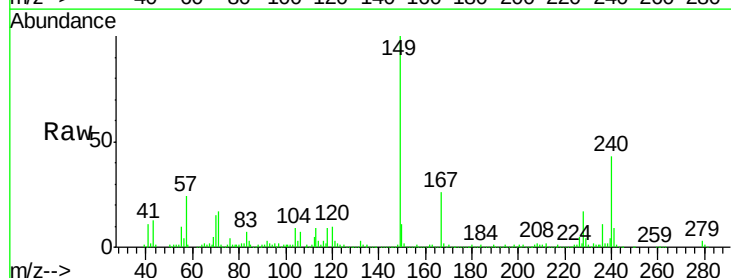
Tgt Ion: 149 Resp: 198982

Ion Ratio Lower Upper

149 100

167 26.0 20.5 30.7

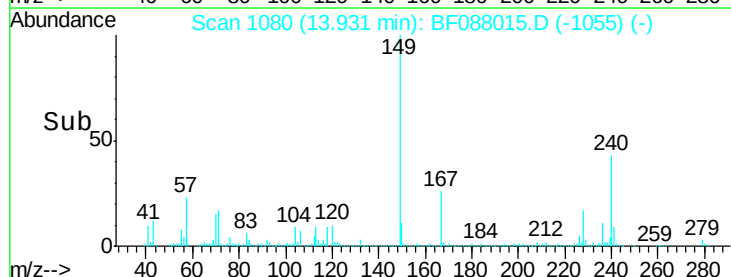
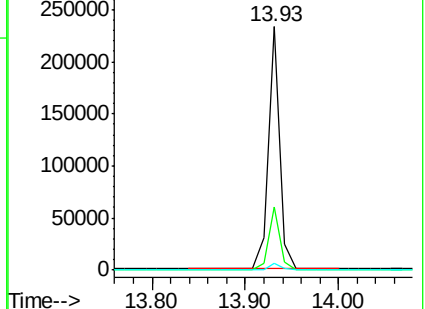
279 2.8 2.0 3.0

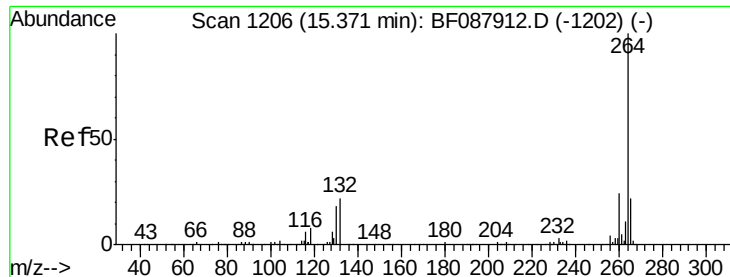


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

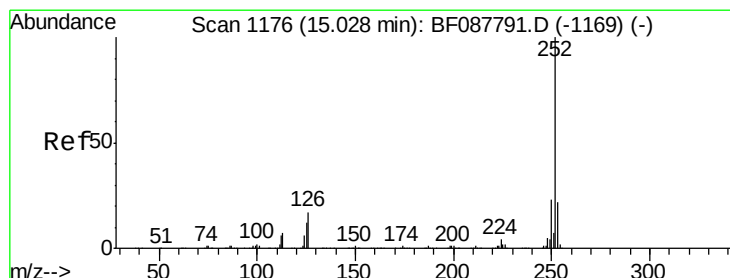
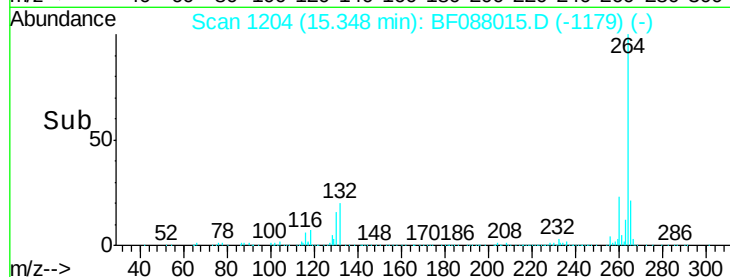
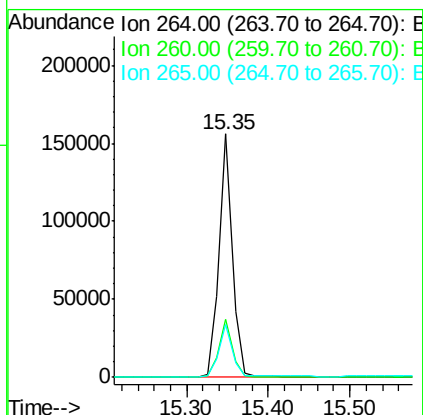
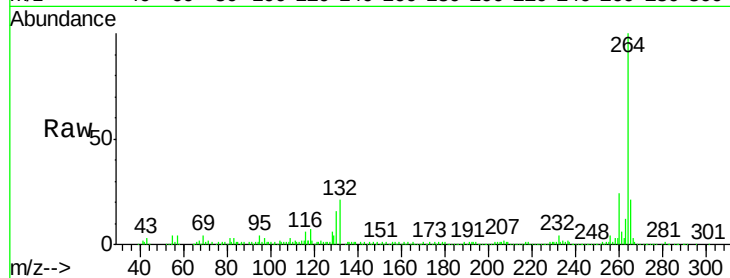




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

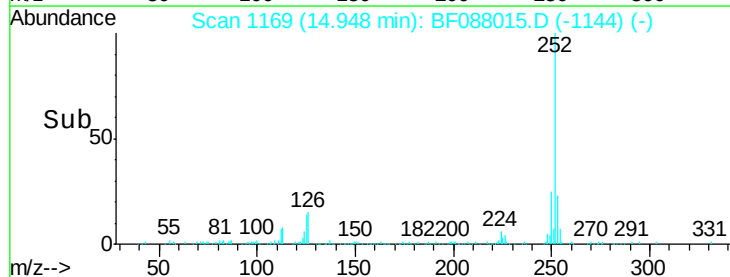
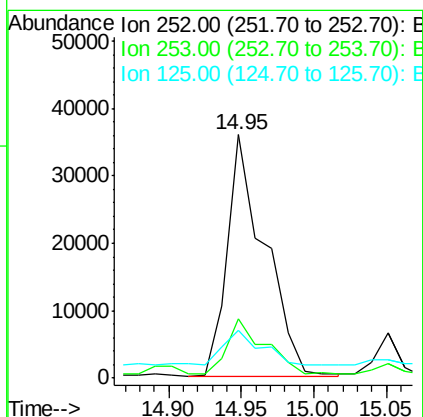
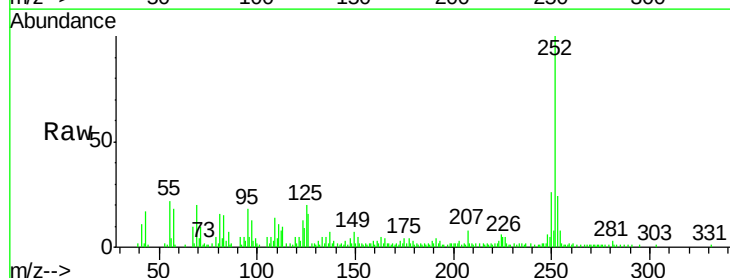
Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

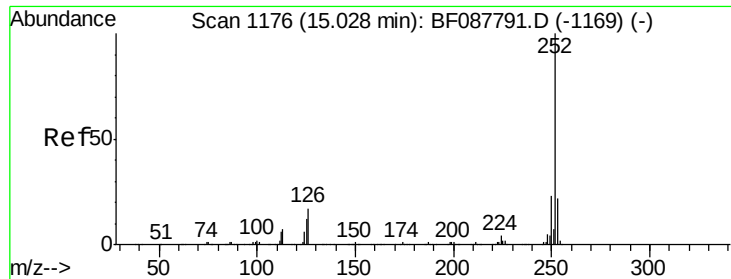
Tgt Ion: 264 Resp: 179725
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.5 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 5.12 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion: 252 Resp: 64164
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 19.6 7.1 10.7#

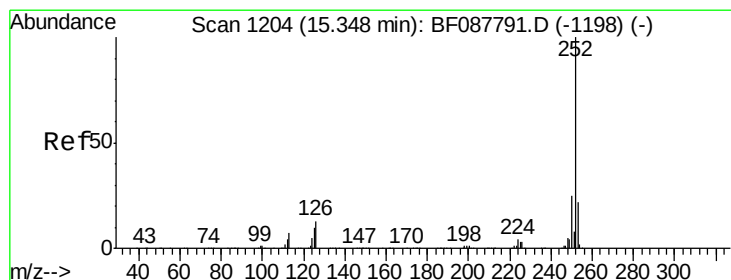
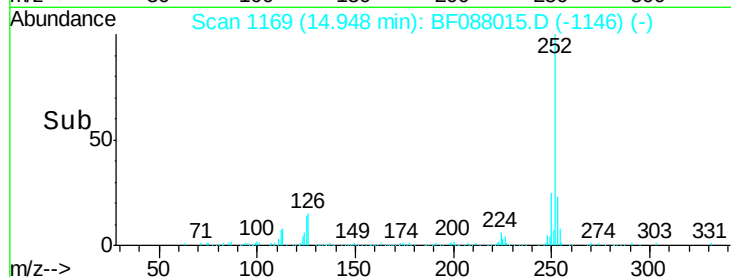
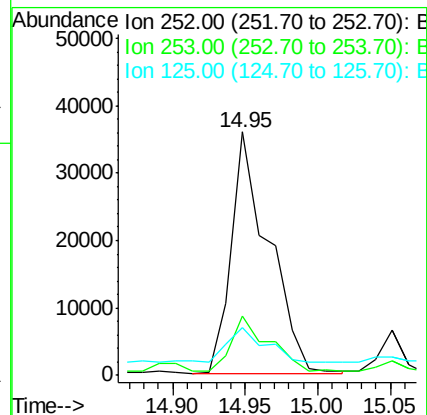
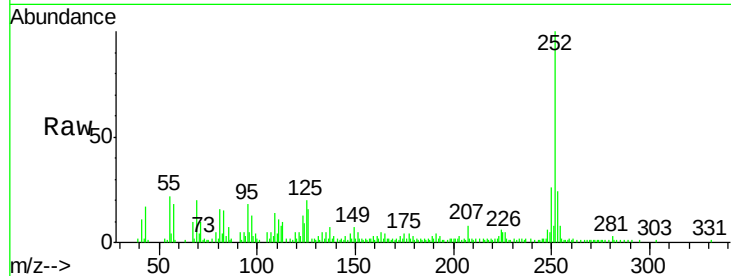




#88
Benzo(k)fluoranthene
Concen: 6.79 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

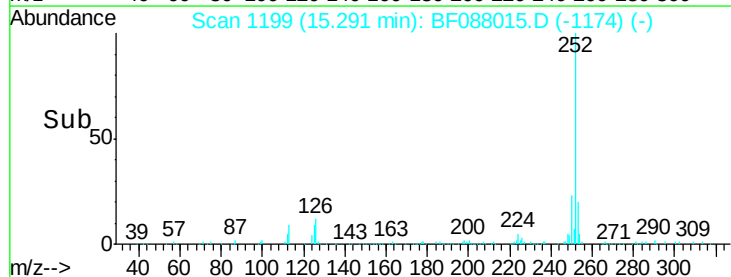
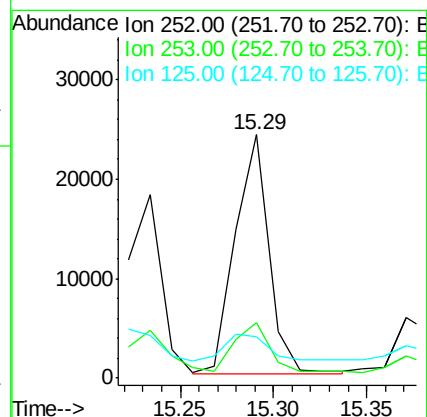
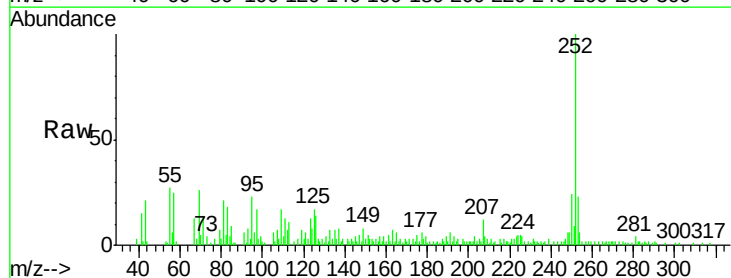
Instrument :
BNA_F
ClientSampleId :
S-14-WC-2

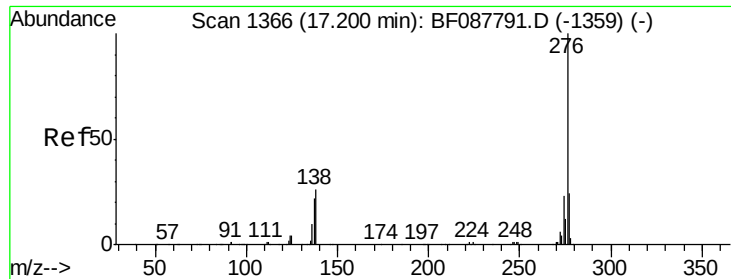
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	19.6	11.2	16.8#



#89
Benzo(a)pyrene
Concen: 3.03 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088015.D
Acq: 14 Jun 2016 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	16.8	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 2.14 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF088015.D

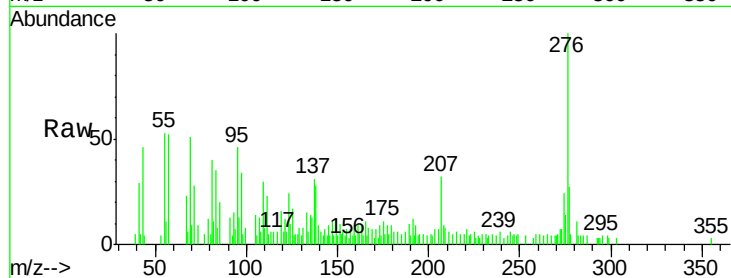
Acq: 14 Jun 2016 23:24

Instrument :

BNA_F

ClientSampleId :

S-14-WC-2



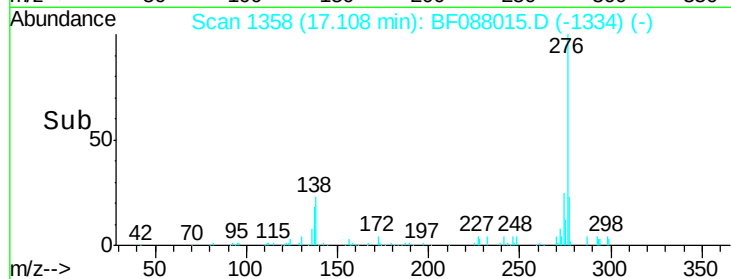
Tgt Ion: 276 Resp: 20684

Ion Ratio Lower Upper

276 100

277 27.2 18.9 28.3

138 27.7 21.4 32.2



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

