

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061616\
 Data File : BF088073.D
 Acq On : 16 Jun 2016 13:58
 Operator : UM/SJ
 Sample : H3510-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-52-060916RE

Quant Time: Jun 16 15:12:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 16 14:54:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	100383	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	364332	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	90007	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	261444	20.00	ng	0.00
75) Chrysene-d12	13.86	240	72033	20.00	ng	0.00
86) Perylene-d12	15.26	264	4406	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	650248	110.74	ng	0.02
7) Phenol-d6	6.36	99	526355	73.96	ng	0.00
23) Nitrobenzene-d5	7.29	82	597468	95.76	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	210597	221.59	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1004378	181.59	ng	0.00
78) Terphenyl-d14	12.82	244	692101	218.64	ng	0.00

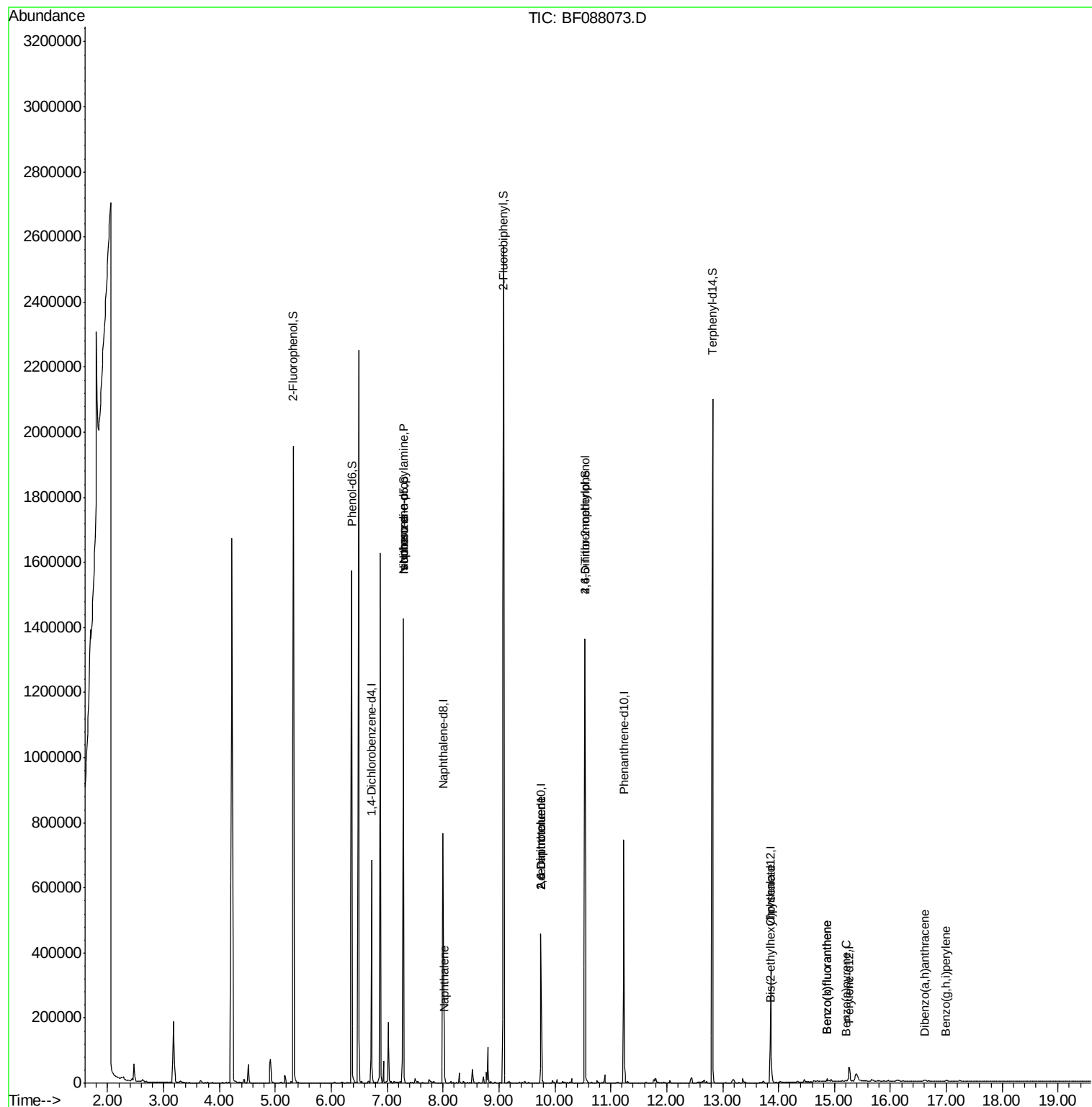
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	520	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.29	70	77544	17.03	ng	67
25) Isophorone	7.29	82	581769	50.34	ng	65
31) Naphthalene	8.02	128	38092	2.11	ng	99
45) 1,1'-Biphenyl	9.18	154	1922	Below Cal		94
50) 2,6-Dinitrotoluene	9.75	165	11697	7.83	ng	39
56) 2,4-Dinitrotoluene	9.75	165	11697	6.10	ng	38
57) Fluorene	10.30	166	3858	Below Cal		94
64) 4,6-Dinitro-2-methylphenol	10.54	198	285	2.33	ng	1
83) Bis(2-ethylhexyl)phthalate	13.85	149	6994	2.43	ng	96
87) Benzo(b)fluoranthene	14.87	252	6606	21.51	ng	96
88) Benzo(k)fluoranthene	14.87	252	6606	28.52	ng	97
89) Benzo(a)pyrene	15.21	252	793	3.19	ng	57
90) Dibenzo(a,h)anthracene	16.61	278	1912	8.29	ng	54
91) Benzo(g,h,i)perylene	16.99	276	1596	6.72	ng	50

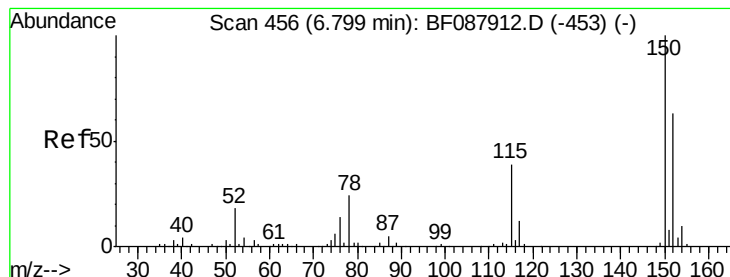
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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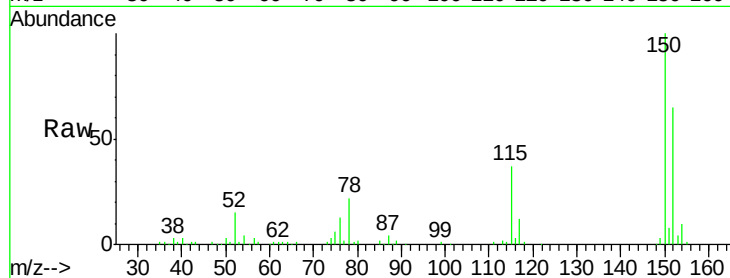


#1

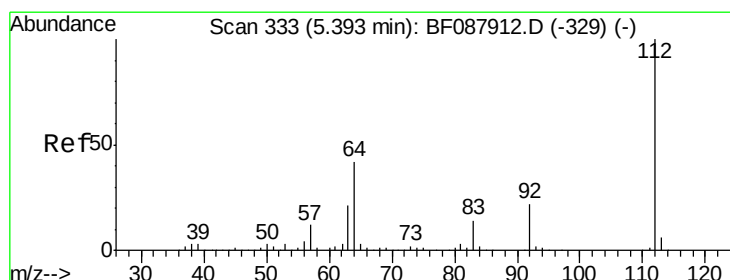
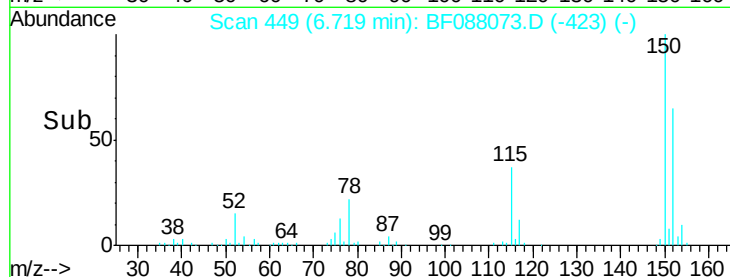
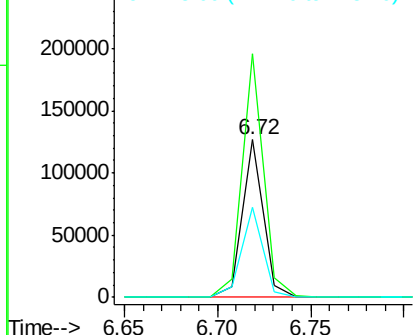
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-52-060916RE

Tgt Ion:152 Resp: 100383
Ion Ratio Lower Upper
152 100
150 154.4 123.8 185.6
115 57.4 39.6 59.4



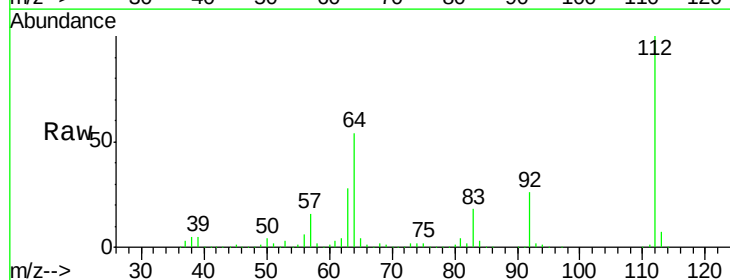
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



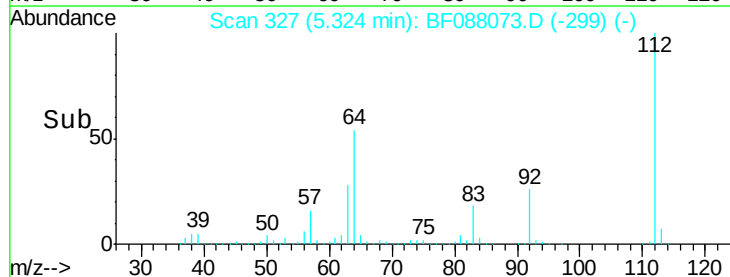
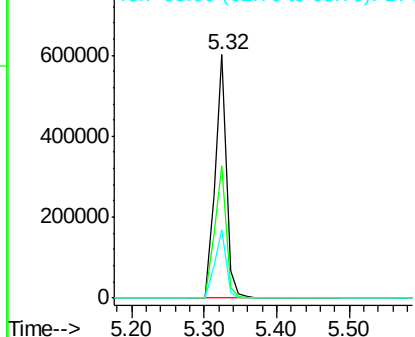
#5

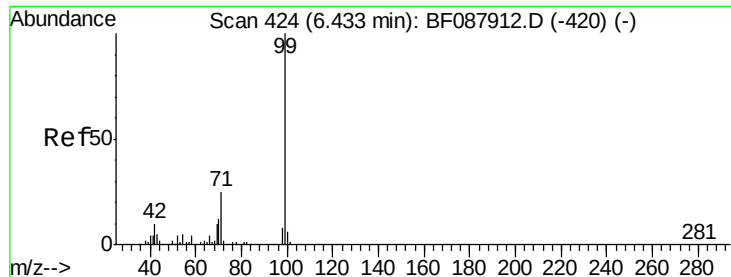
2-Fluorophenol
Concen: 110.74 ng
RT: 5.32 min Scan# 327
Delta R.T. 0.02 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Tgt Ion:112 Resp: 650248
Ion Ratio Lower Upper
112 100
64 54.2 42.2 63.2
63 27.8 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: 73.96 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-52-060916RE

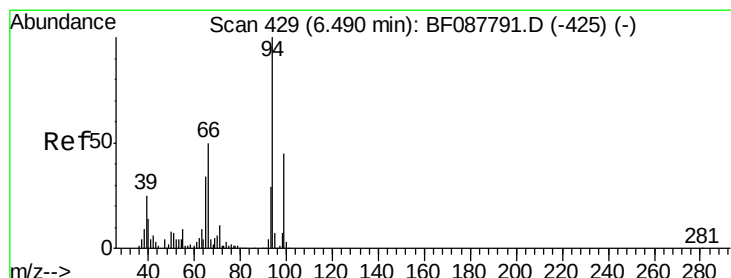
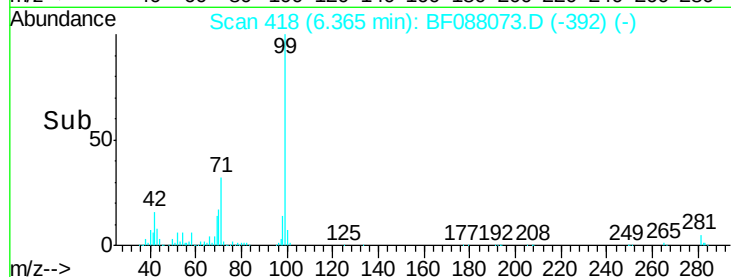
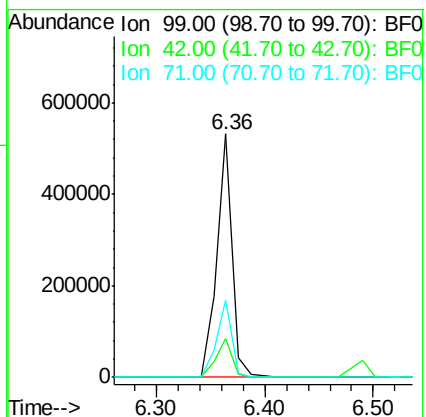
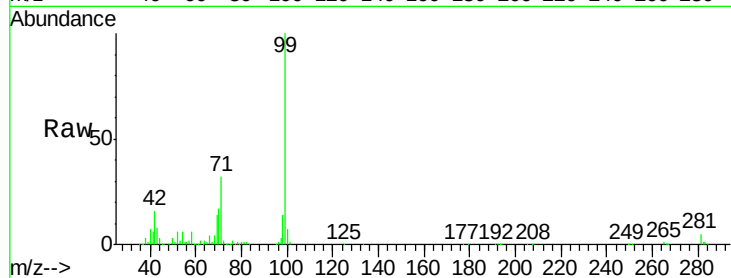
Tgt Ion: 99 Resp: 526355

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

71 31.8 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.38 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

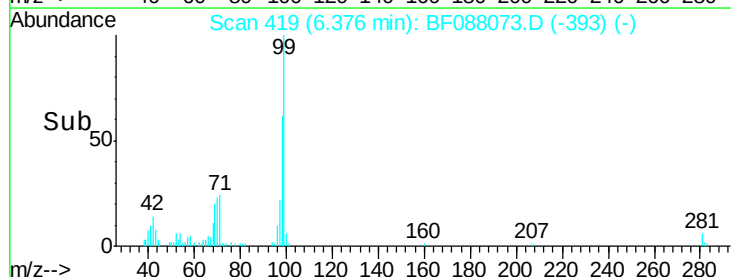
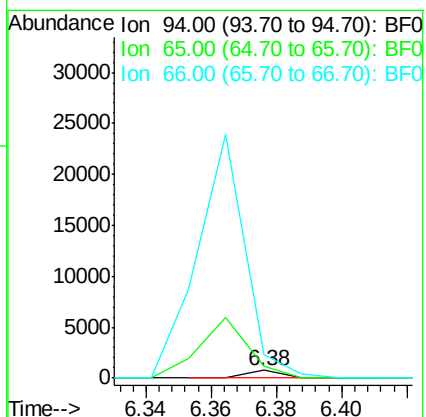
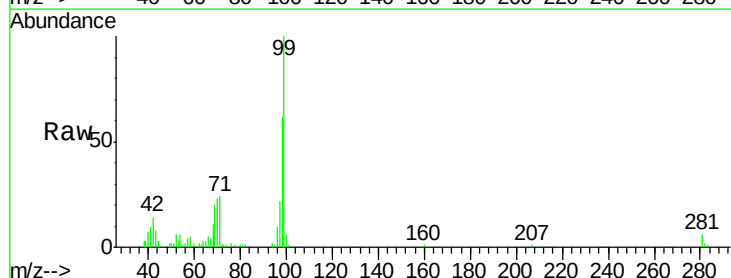
Tgt Ion: 94 Resp: 520

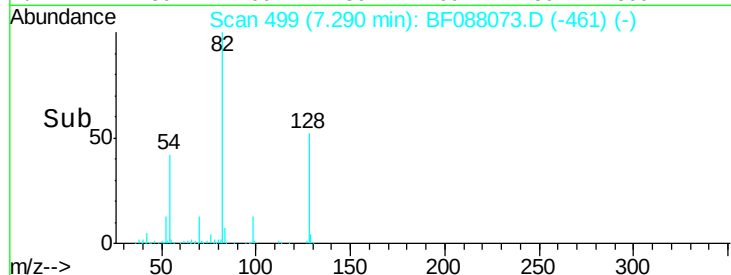
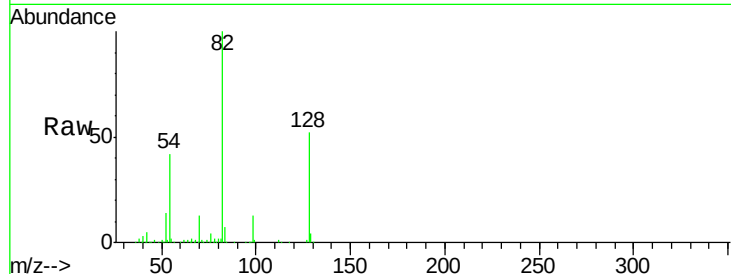
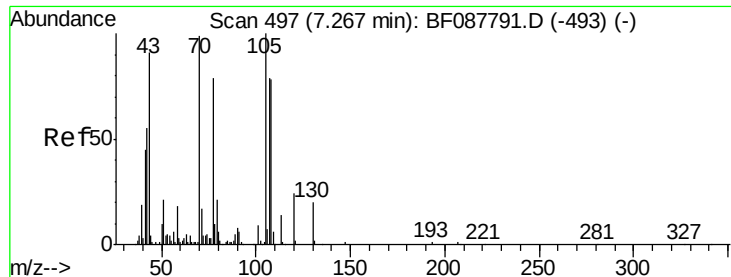
Ion Ratio Lower Upper

94 100

65 161.1 5.9 45.9#

66 310.8 14.0 54.0#

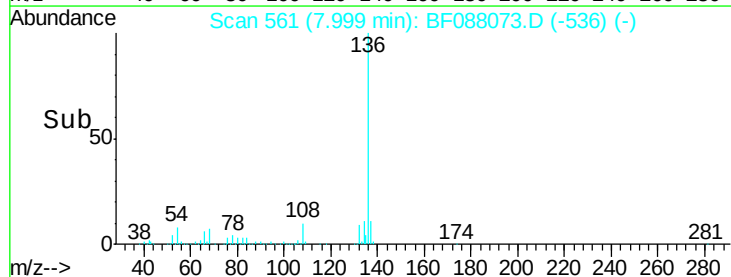
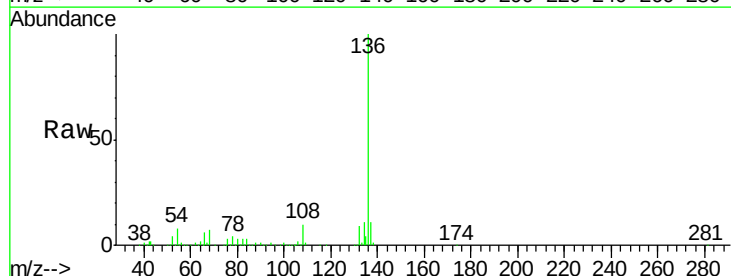
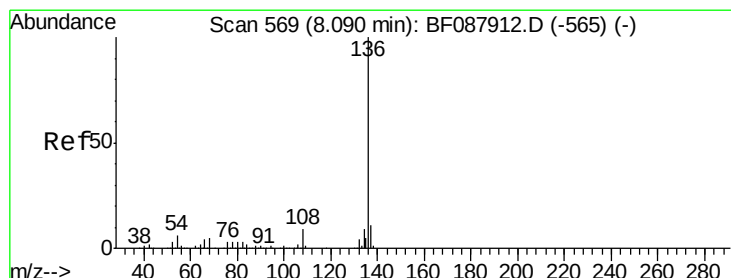
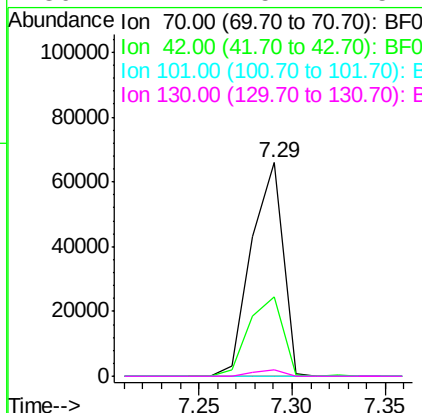




#19
n-Nitroso-di-n-propylamine
Concen: 17.03 ng
RT: 7.29 min Scan# 499
Delta R.T. 0.14 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

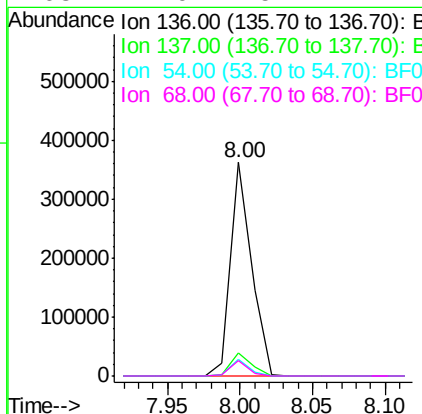
Instrument :
BNA_F
ClientSampleId :
HSR-WC-52-060916RE

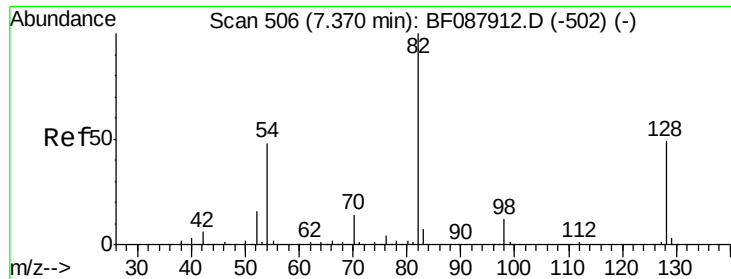
Tgt Ion: 70 Resp: 77544
Ion Ratio Lower Upper
70 100
42 37.0 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Tgt Ion: 136 Resp: 364332
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.0 6.6 10.0
68 7.0 5.1 7.7

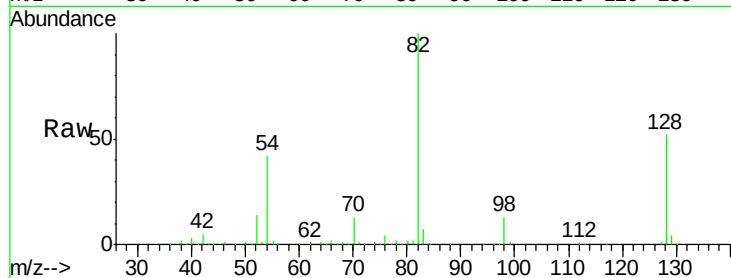




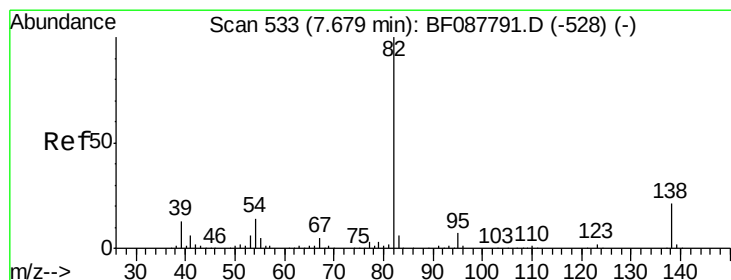
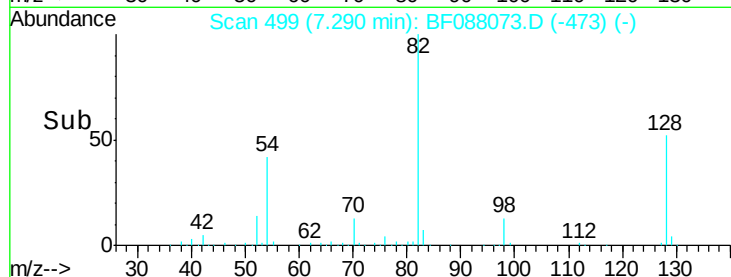
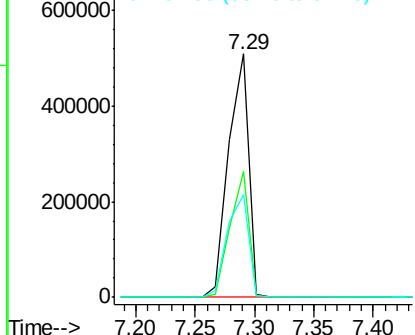
#23
 Nitrobenzene-d5
 Concen: 95.76 ng
 RT: 7.29 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-52-060916RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.9	35.9	53.9
54	42.4	40.9	61.3

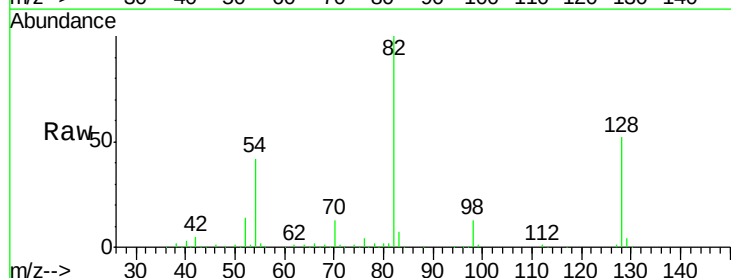


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

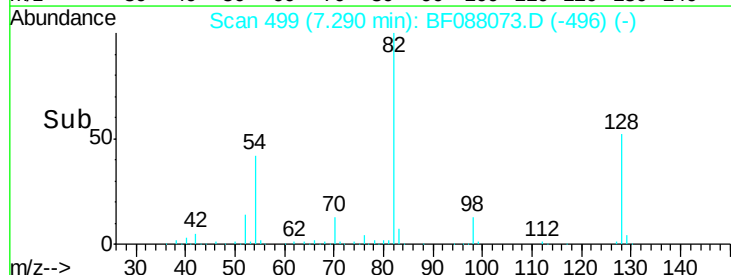
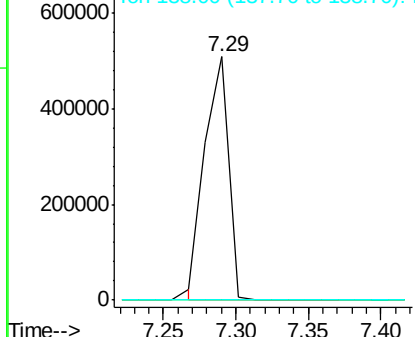


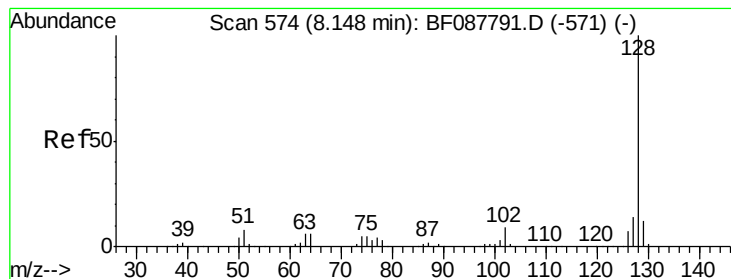
#25
 Isophorone
 Concen: 50.34 ng
 RT: 7.29 min Scan# 499
 Delta R.T. -0.26 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

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



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): B





#31

Naphthalene

Concen: 2.11 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-52-060916RE

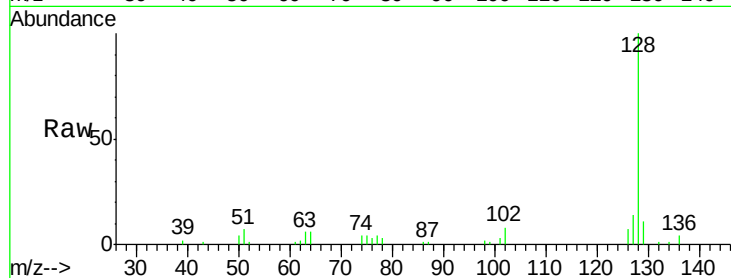
Tgt Ion:128 Resp: 38092

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

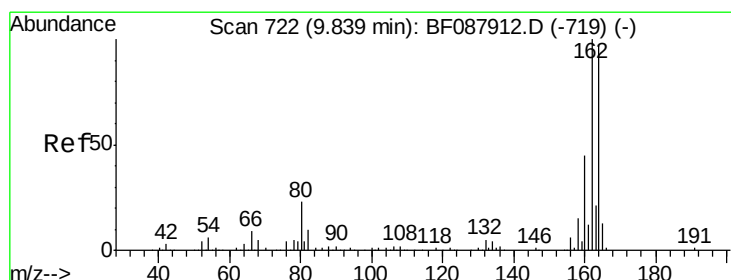
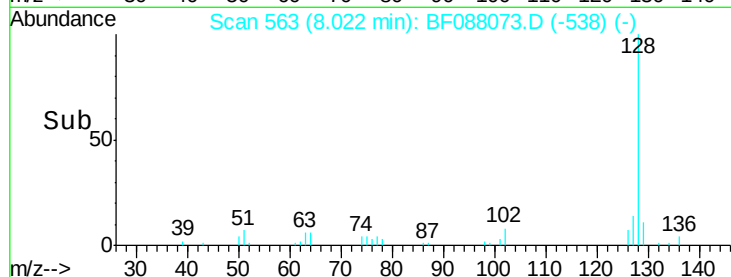
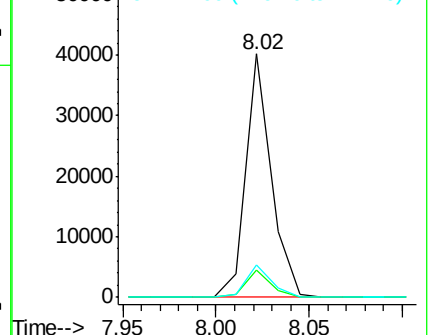
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

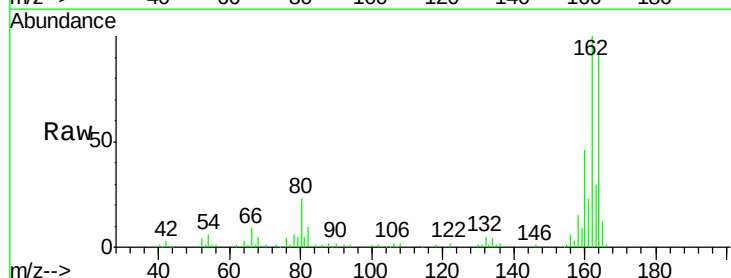
Tgt Ion:164 Resp: 90007

Ion Ratio Lower Upper

164 100

162 109.8 85.4 128.2

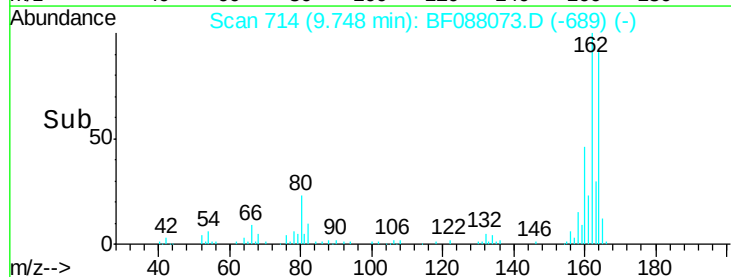
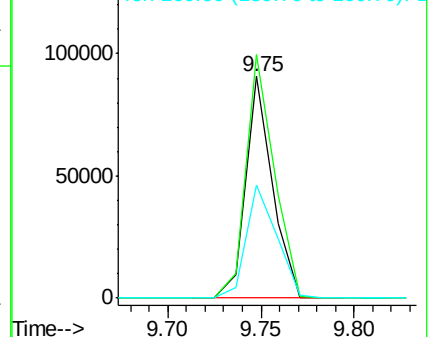
160 50.8 39.5 59.3

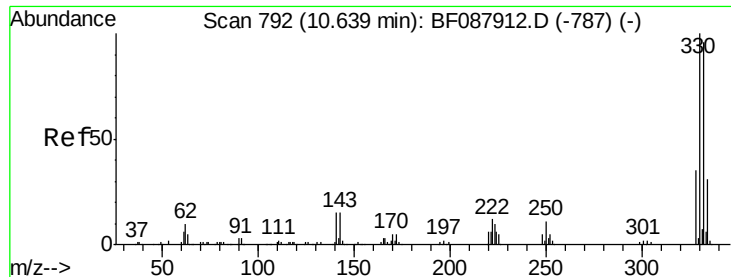


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

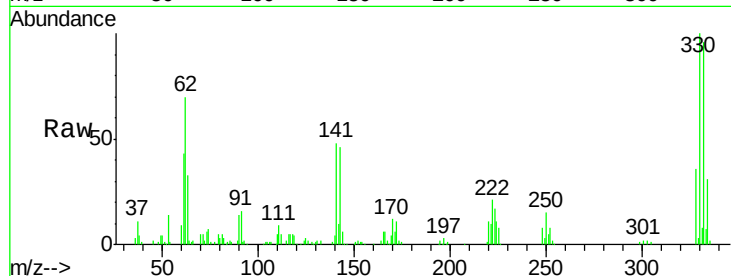




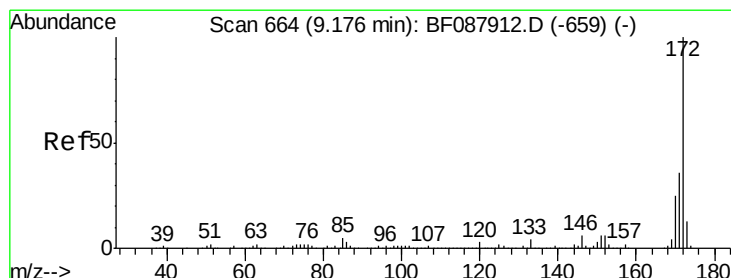
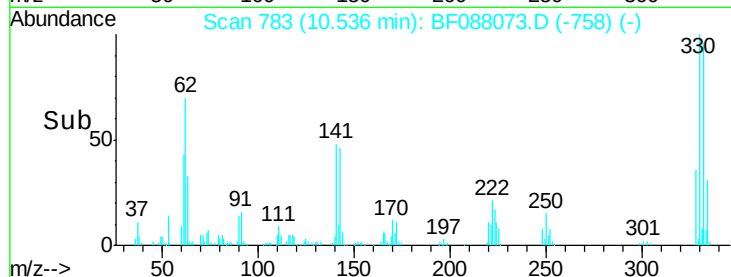
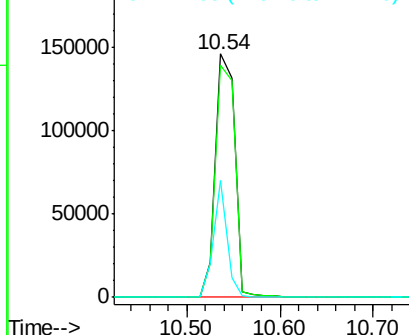
#41
 2,4,6-Tribromophenol
 Concen: 221.59 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-52-060916RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	34.1	0.0	0.0#

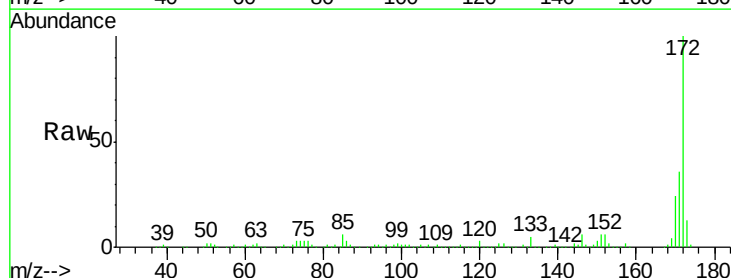


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

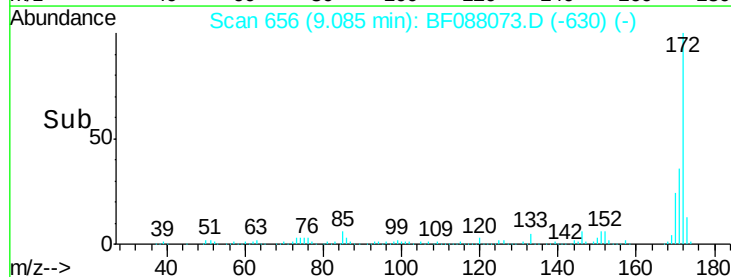
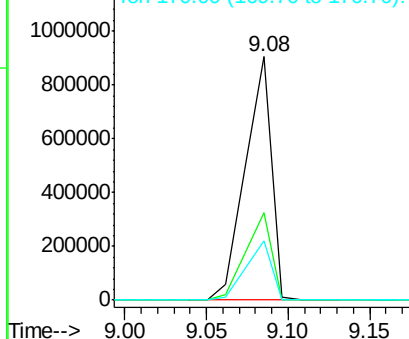


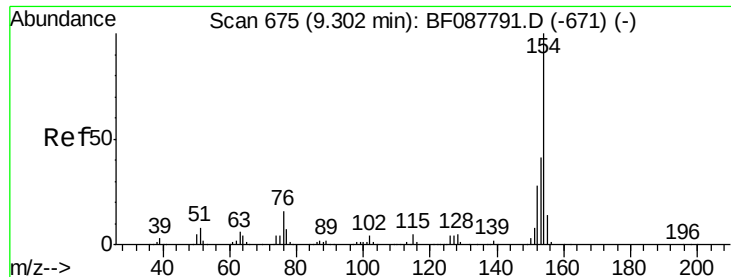
#44
 2-Fluorobiphenyl
 Concen: 181.59 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.2	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

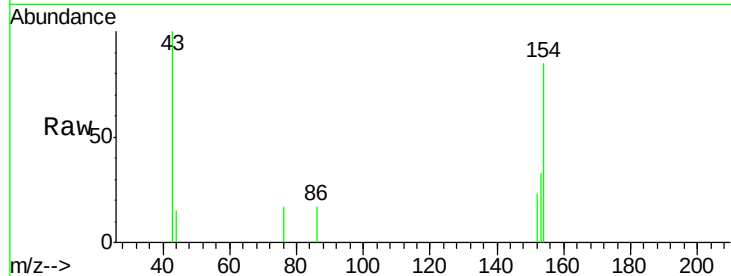




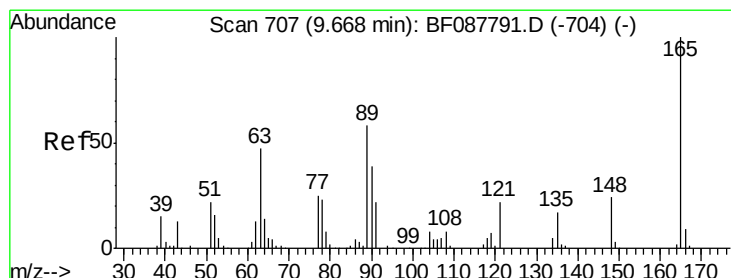
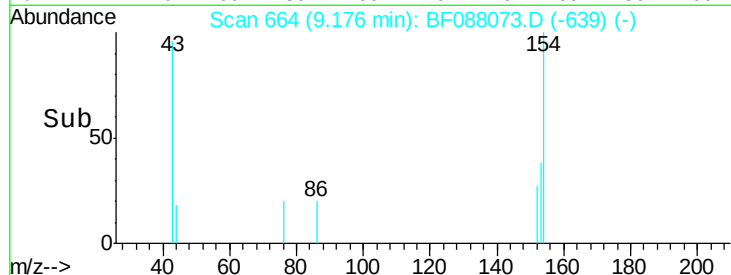
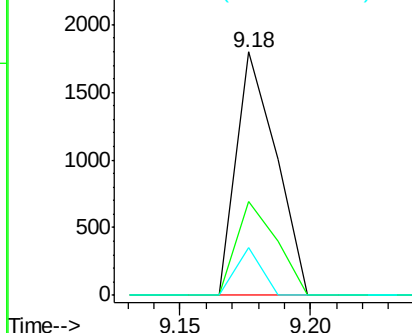
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-52-060916RE

Tgt Ion:	154	Resp:	1922
Ion	Ratio	Lower	Upper
154	100		
153	38.4	20.6	60.6
76	19.5	0.0	35.1

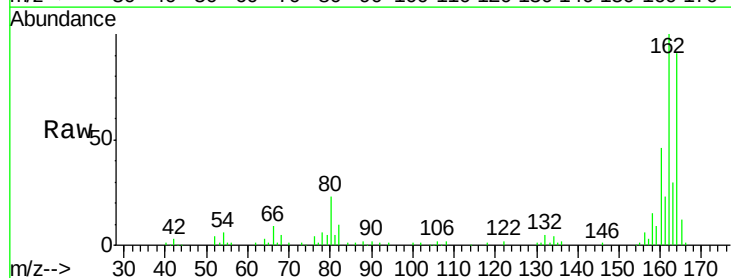


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

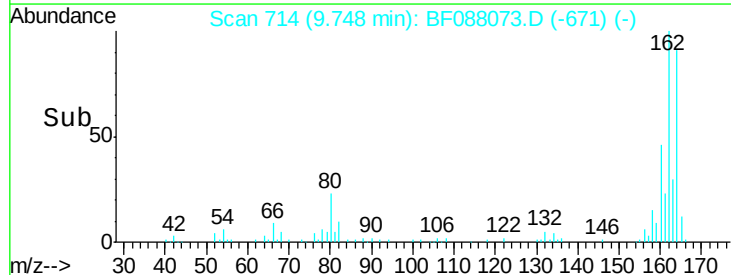
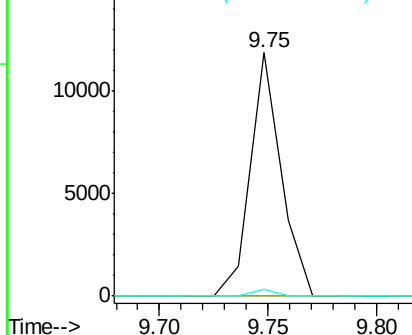


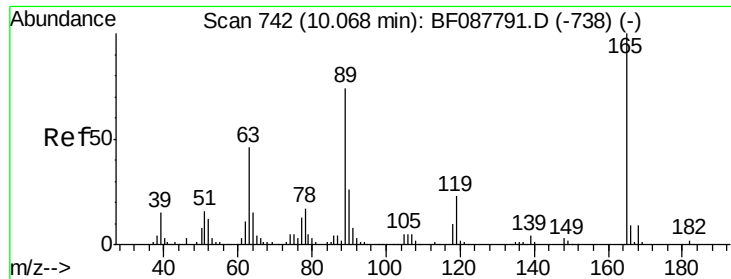
#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.19 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Tgt Ion:	165	Resp:	11697
Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	2.5	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

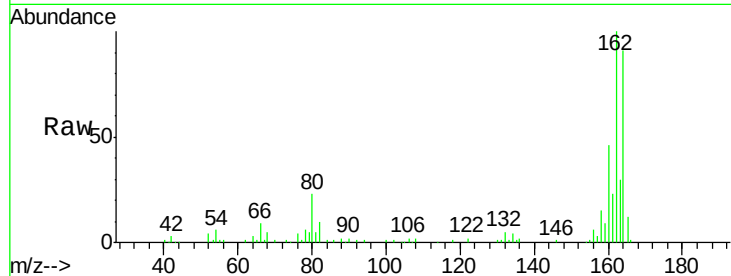




#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.21 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-52-060916RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	2.5	41.1	61.7#
182	0.0	2.0	3.0#

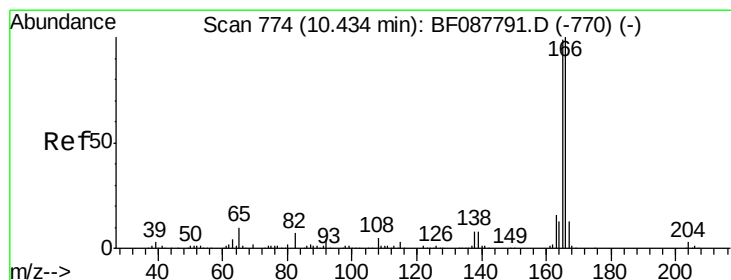
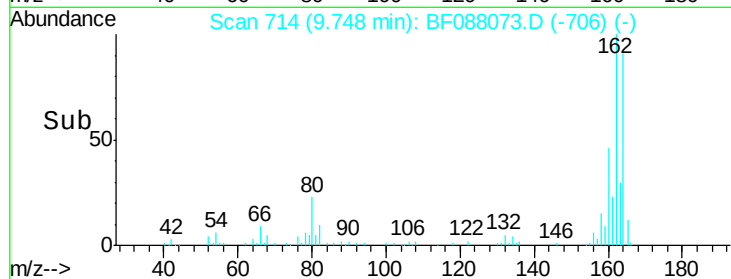
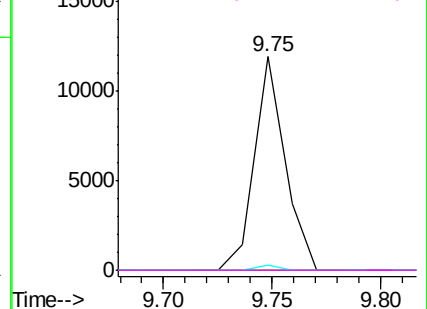


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

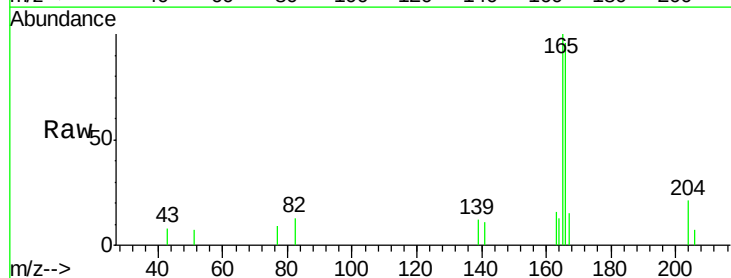
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.30 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

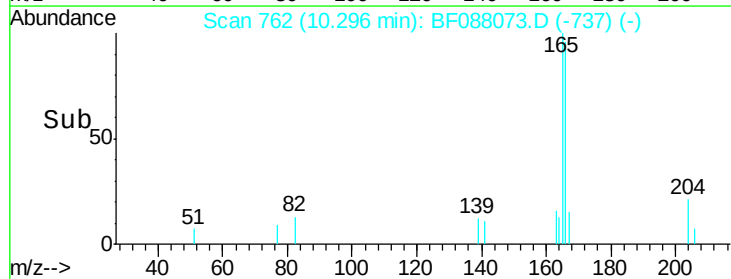
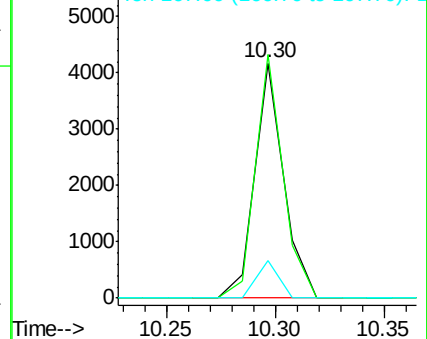
Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.7	77.8	116.8
167	15.9	11.2	16.8

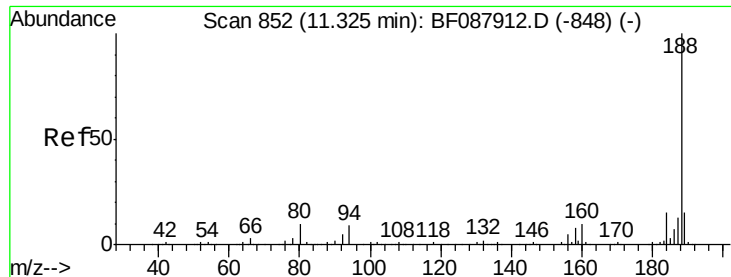


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

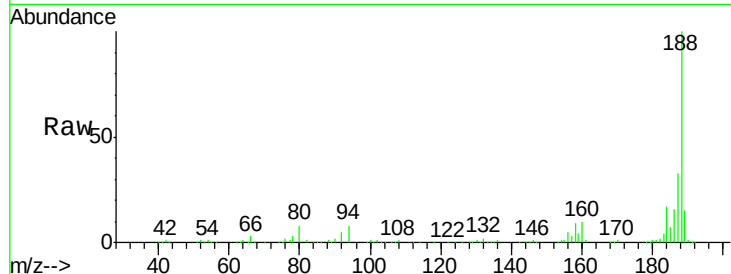




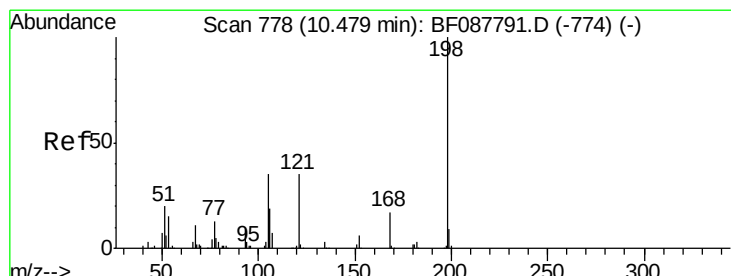
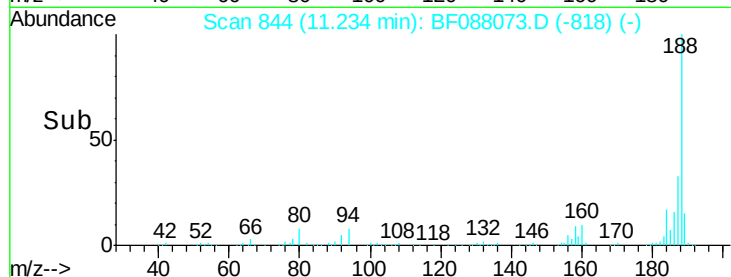
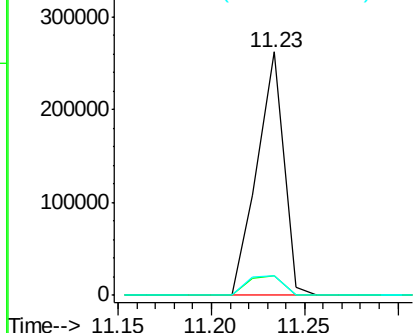
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-52-060916RE

Tgt Ion:188 Resp: 261444
Ion Ratio Lower Upper
188 100
94 8.0 9.0 13.6#
80 8.2 10.0 15.0#

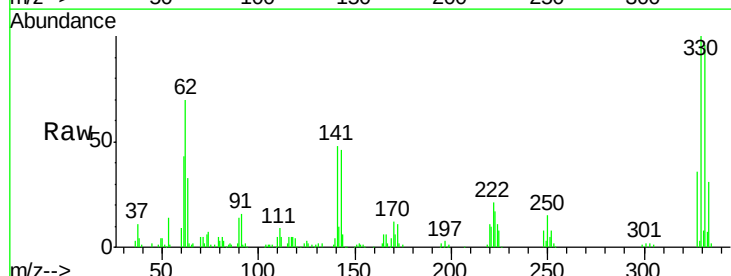


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

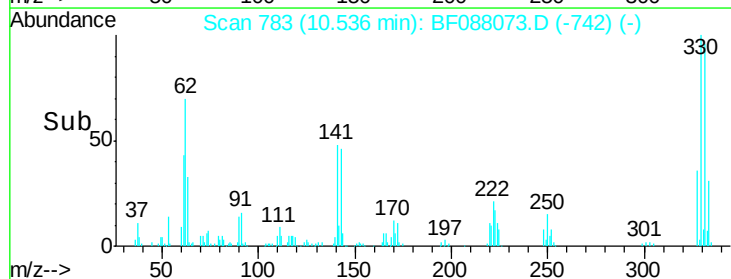
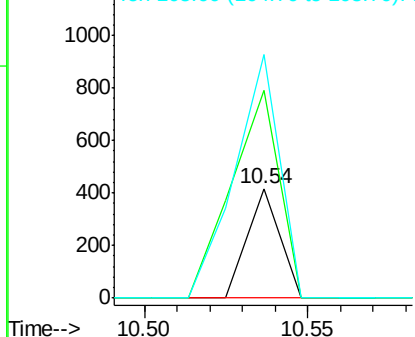


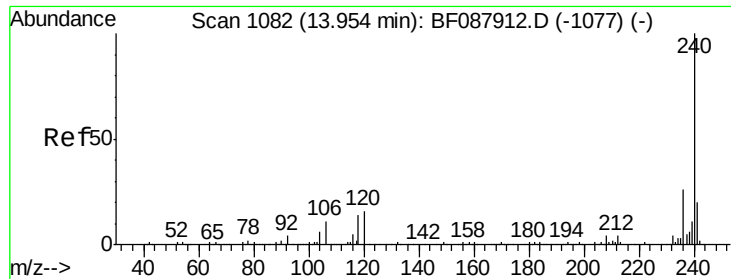
#64
4,6-Dinitro-2-methylphenol
Concen: 2.33 ng
RT: 10.54 min Scan# 783
Delta R.T. 0.17 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Tgt Ion:198 Resp: 285
Ion Ratio Lower Upper
198 100
51 190.1 39.6 79.6#
105 222.8 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-52-060916RE

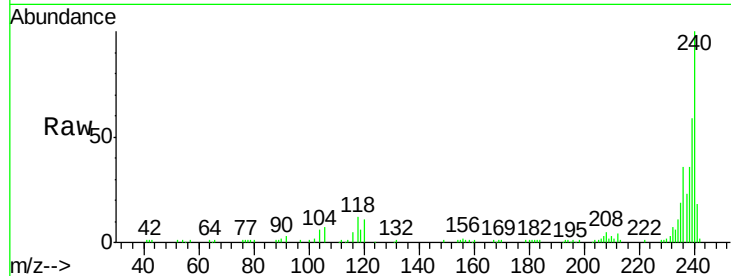
Tgt Ion:240 Resp: 72033

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

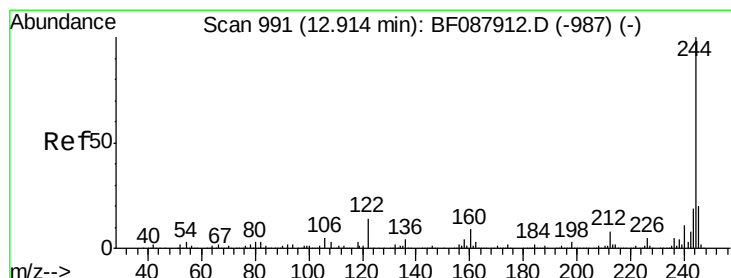
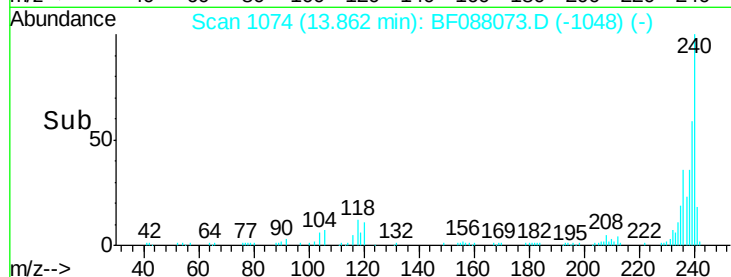
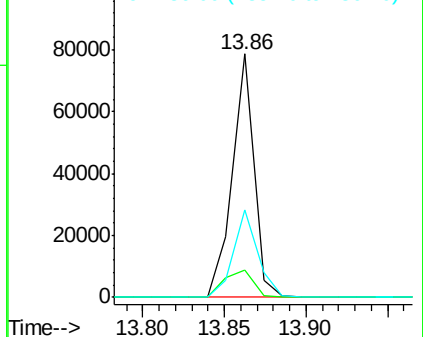
236 36.2 20.2 30.2#



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



#78

Terphenyl-d14

Concen: 218.64 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

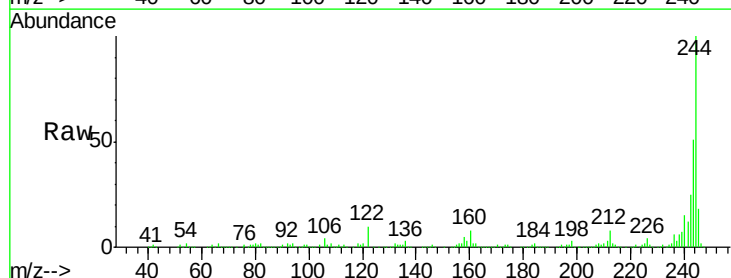
Tgt Ion:244 Resp: 692101

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

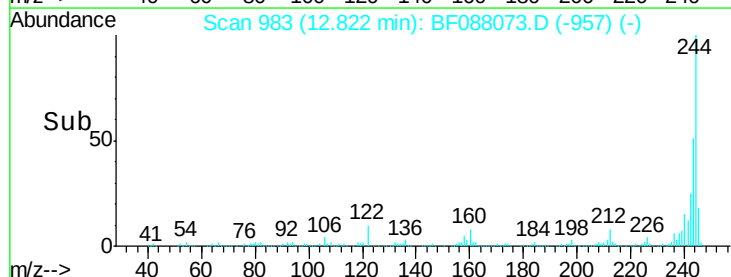
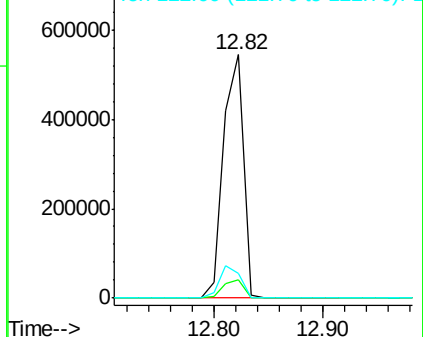
122 10.3 11.2 16.8#

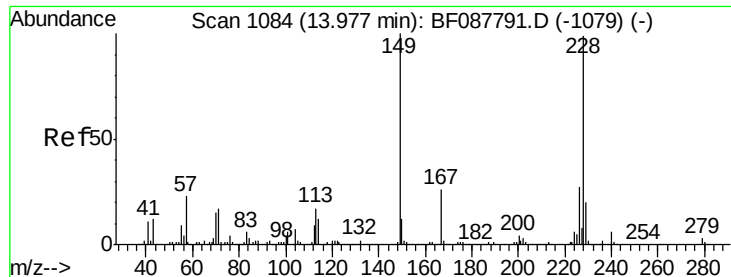


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

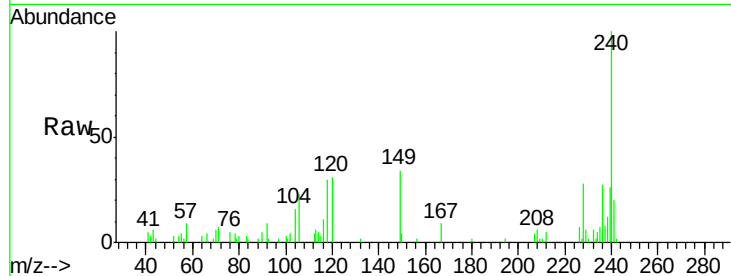




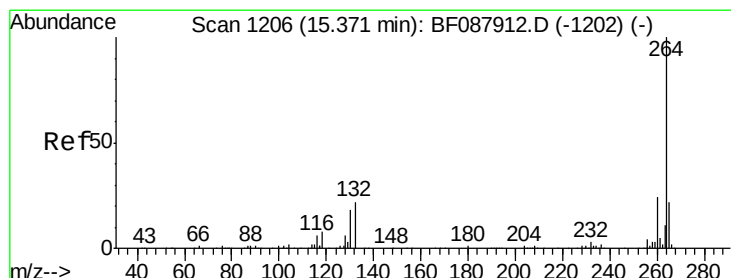
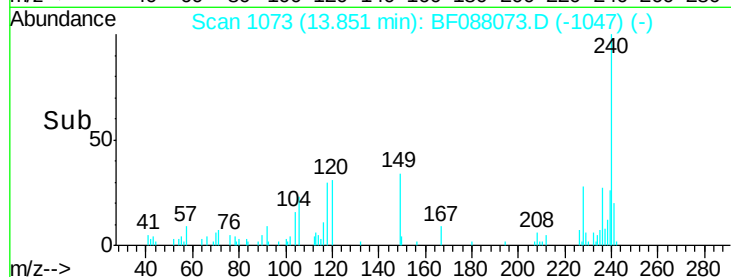
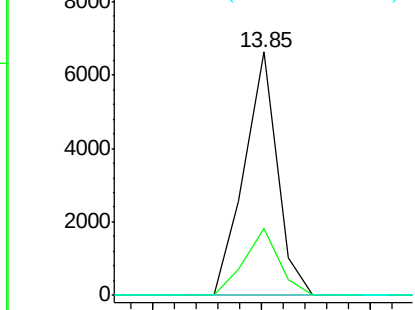
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.43 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-52-060916RE

Tgt Ion:149 Resp: 6994
 Ion Ratio Lower Upper
 149 100
 167 27.3 20.5 30.7
 279 0.0 2.0 3.0#

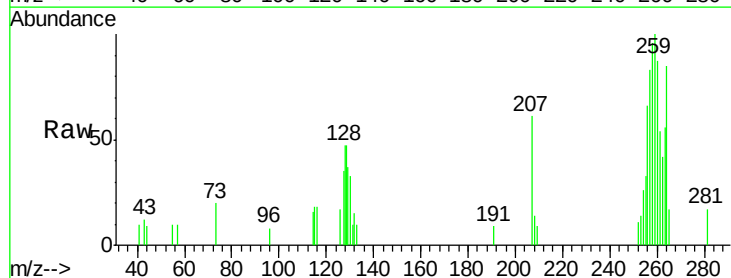


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

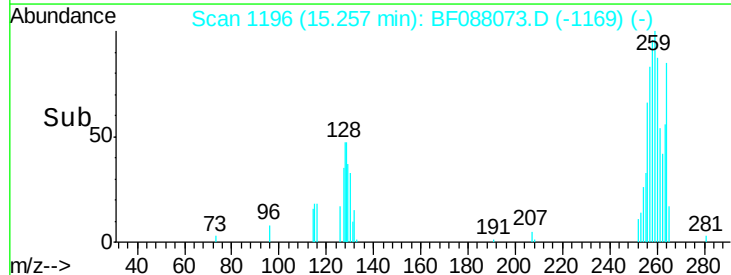
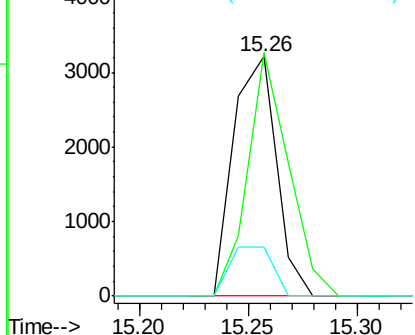


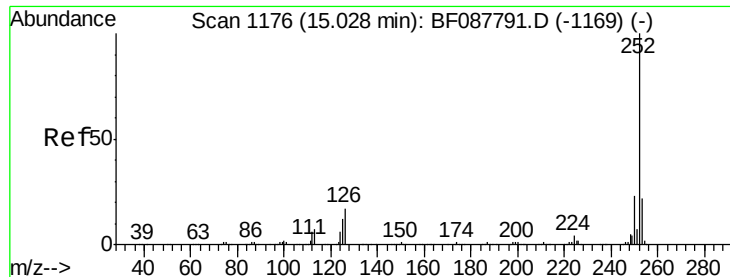
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF088073.D
 Acq: 16 Jun 2016 13:58

Tgt Ion:264 Resp: 4406
 Ion Ratio Lower Upper
 264 100
 260 101.8 19.2 28.8#
 265 20.4 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

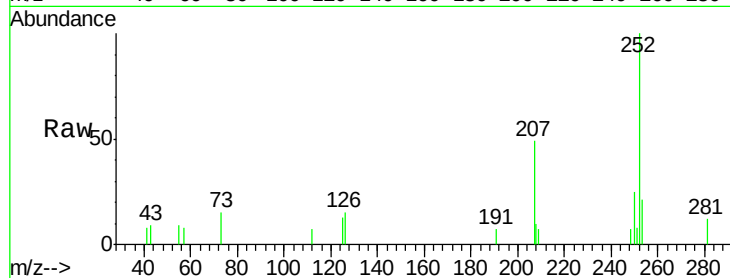




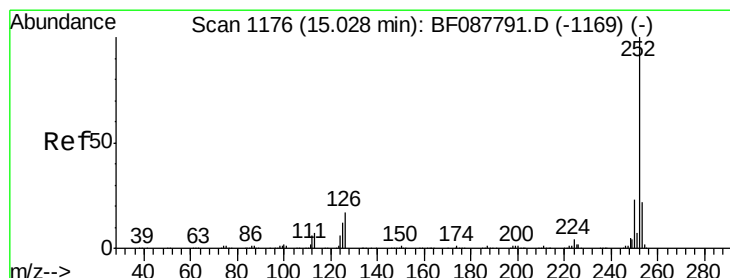
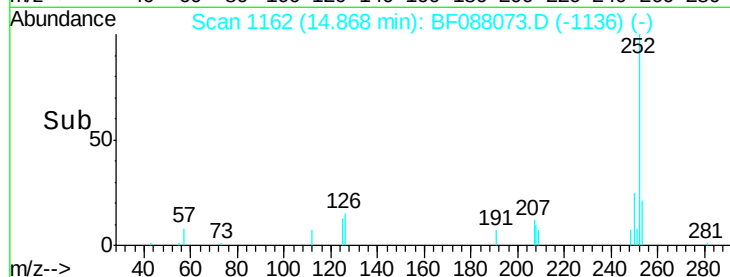
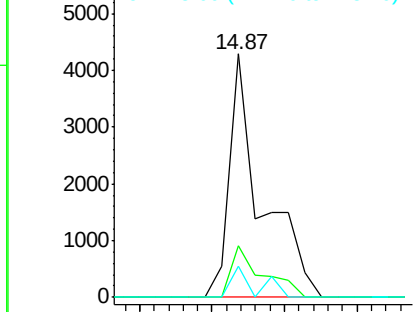
#87
Benzo(b)fluoranthene
Concen: 21.51 ng
RT: 14.87 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Instrument :
BNA_F
ClientSampleId :
HSR-WC-52-060916RE

Tgt Ion:252 Resp: 6606
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.2
125 12.6 7.1 10.7#

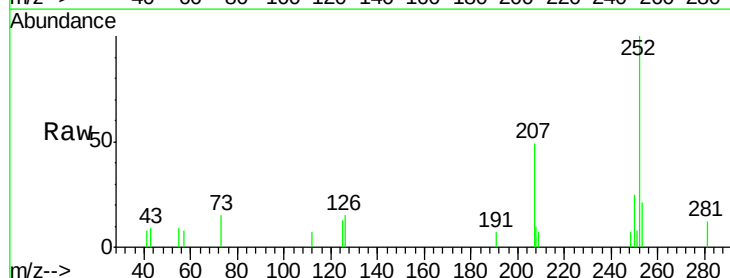


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

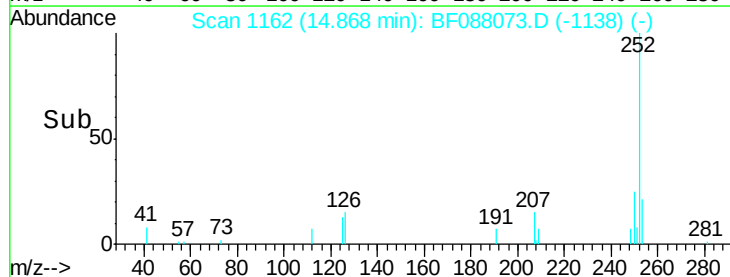
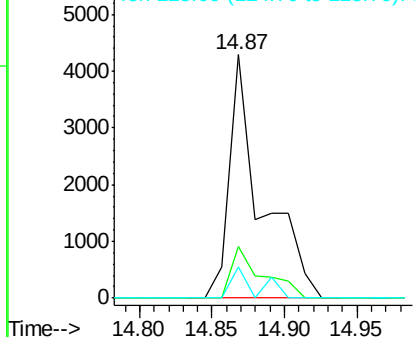


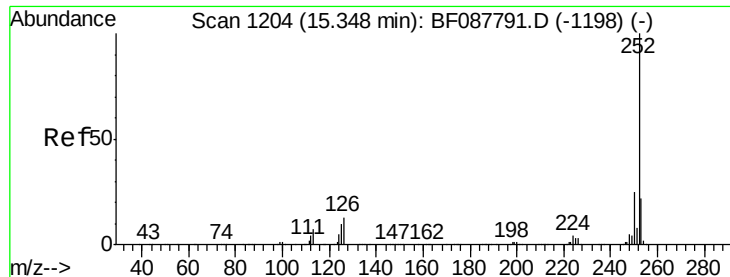
#88
Benzo(k)fluoranthene
Concen: 28.52 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF088073.D
Acq: 16 Jun 2016 13:58

Tgt Ion:252 Resp: 6606
Ion Ratio Lower Upper
252 100
253 21.3 18.0 27.0
125 12.6 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: 3.19 ng

RT: 15.21 min Scan# 1192

Delta R.T. 0.01 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-52-060916RE

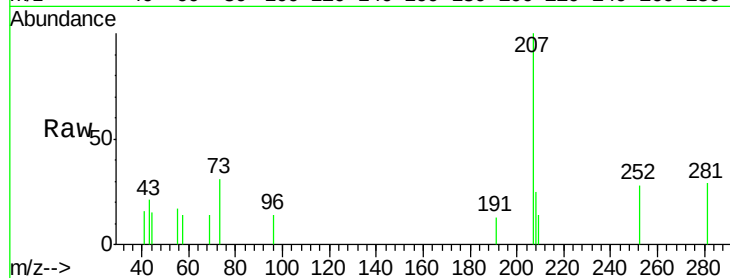
Tgt Ion: 252 Resp: 793

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

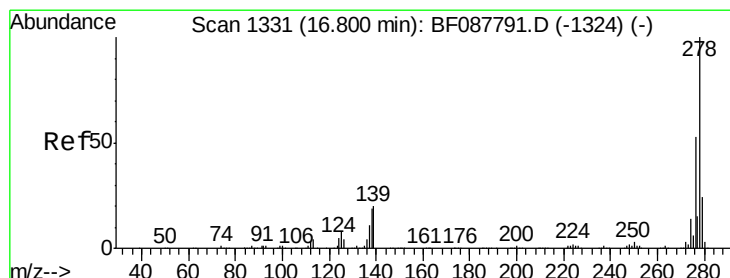
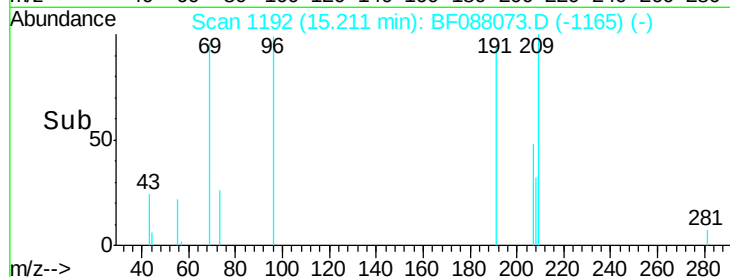
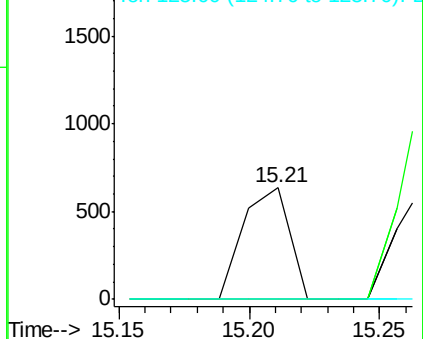
125 0.0 12.5 18.7#



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



#90

Dibenzo(a,h)anthracene

Concen: 8.29 ng

RT: 16.61 min Scan# 1314

Delta R.T. 0.02 min

Lab File: BF088073.D

Acq: 16 Jun 2016 13:58

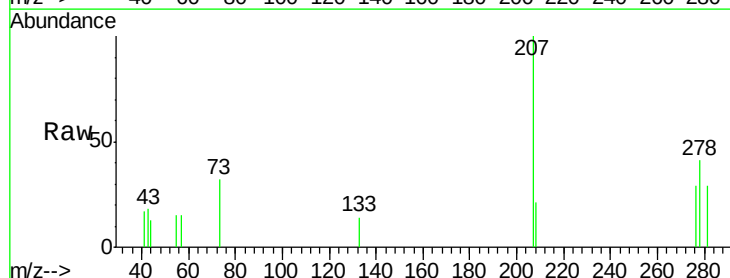
Tgt Ion: 278 Resp: 1912

Ion Ratio Lower Upper

278 100

139 0.0 15.7 23.5#

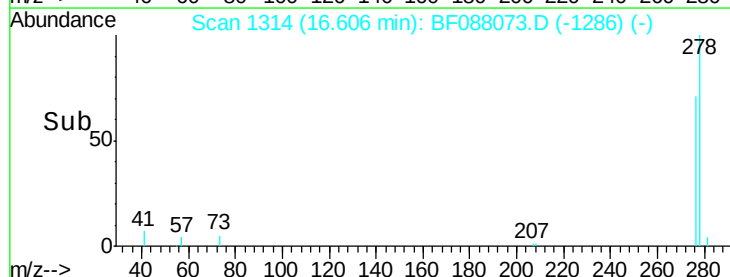
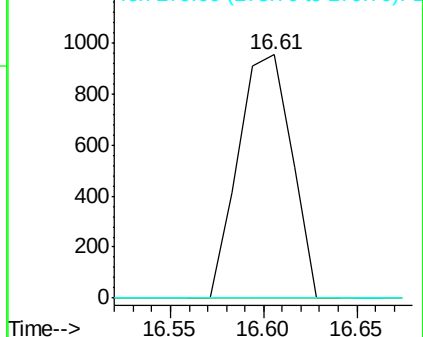
279 0.0 19.4 29.2#

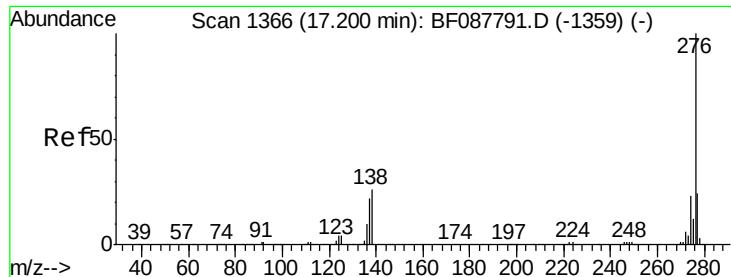


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.72 ng

RT: 16.99 min Scan# 1348

Delta R.T. 0.03 min

Lab File: BF088073.D

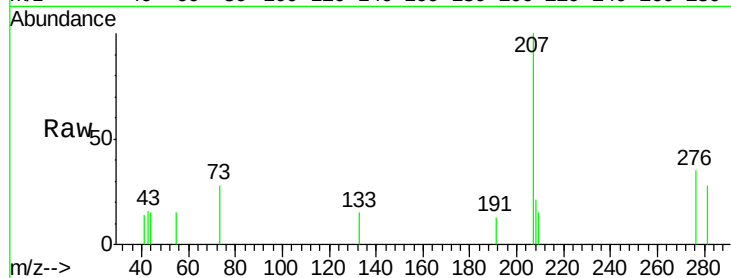
Acq: 16 Jun 2016 13:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-52-060916RE



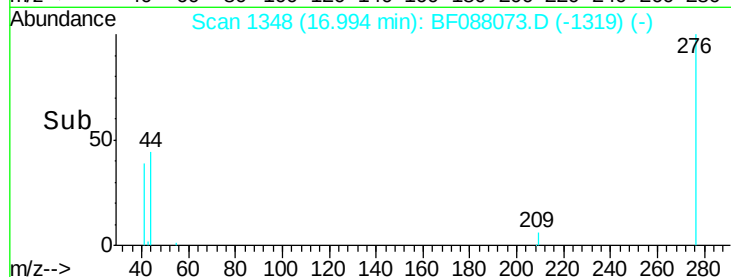
Tgt Ion: 276 Resp: 1596

Ion Ratio Lower Upper

276 100

277 0.0 18.9 28.3#

138 0.0 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

