

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087445.D
 Acq On : 27 May 2016 16:12
 Operator : UM/SJ
 Sample : H3265-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-47-052416

Quant Time: May 27 23:45:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

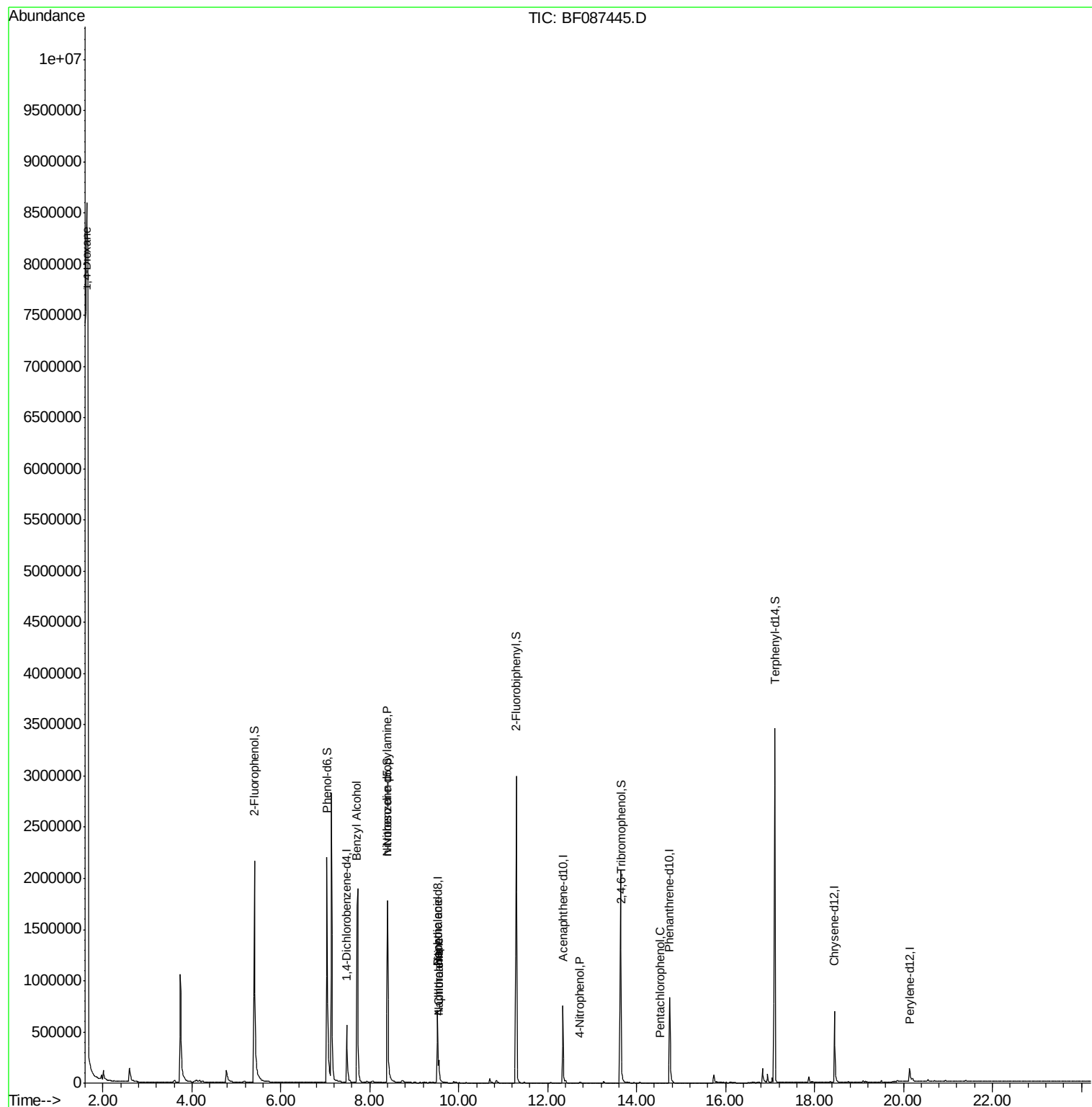
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	109541	20.00	ng	-0.03
21) Naphthalene-d8	9.52	136	448298	20.00	ng	-0.03
38) Acenaphthene-d10	12.34	164	193143	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	424547	20.00	ng	-0.03
75) Chrysene-d12	18.45	240	339292	20.00	ng	-0.03
86) Perylene-d12	20.14	264	56403	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	887963	142.44	ng	-0.01
7) Phenol-d6	7.04	99	1059307	125.76	ng	-0.03
23) Nitrobenzene-d5	8.40	82	847933	95.33	ng	-0.05
41) 2,4,6-Tribromophenol	13.65	330	341322	183.90	ng	-0.03
44) 2-Fluorobiphenyl	11.29	172	1421393	103.75	ng	-0.05
78) Terphenyl-d14	17.11	244	1569870	98.37	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.63	88	63637	19.35	ng	# 22
15) Benzyl Alcohol	7.71	79	14759	2.40	ng	# 45
19) n-Nitroso-di-n-propylamine	8.40	70	115981	18.46	ng	# 74
31) Naphthalene	9.55	128	178928	7.97	ng	# 99
32) Benzoic acid	9.52	122	525	5.96	ng	# 1
33) 4-Chloroaniline	9.55	127	22828	2.76	ng	# 32
55) 4-Nitrophenol	12.72	139	3278	2.15	ng	# 14
69) Pentachlorophenol	14.53	266	1368	7.01	ng	# 17

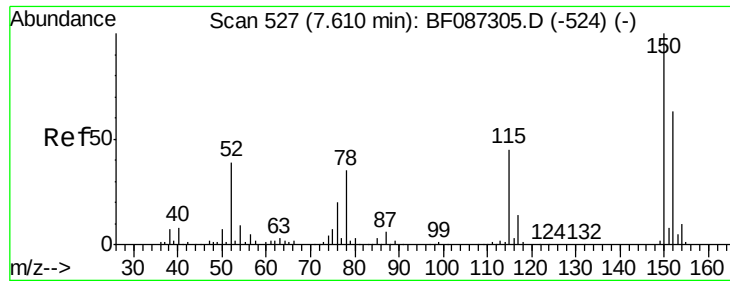
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

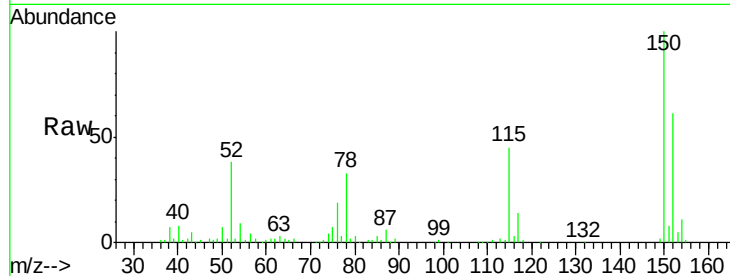
Tgt Ion: 152 Resp: 109541

Ion Ratio Lower Upper

152 100

150 164.2 125.8 188.6

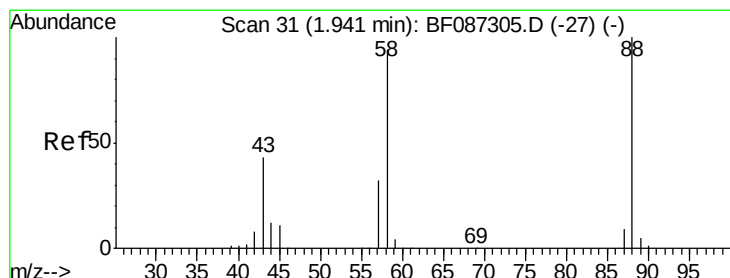
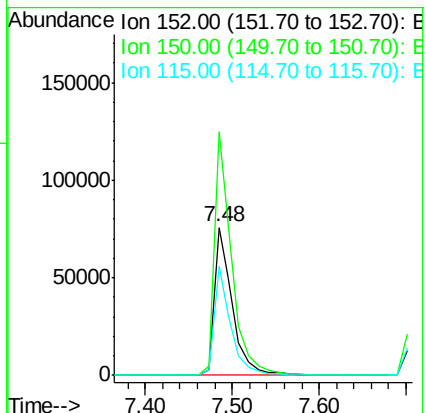
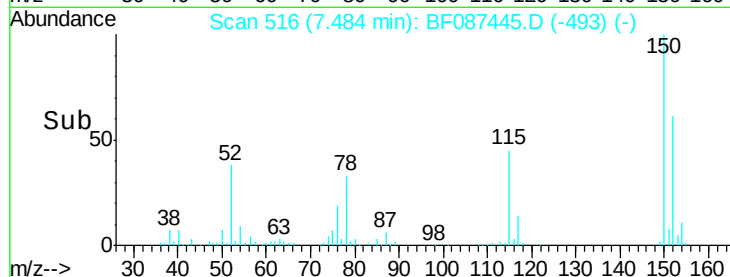
115 73.3 51.5 77.3



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



#2

1,4-Dioxane

Concen: 19.35 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

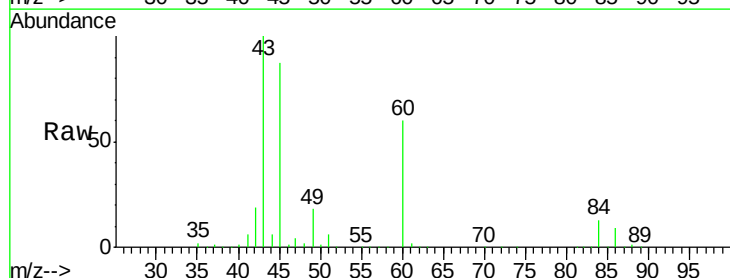
Tgt Ion: 88 Resp: 63637

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

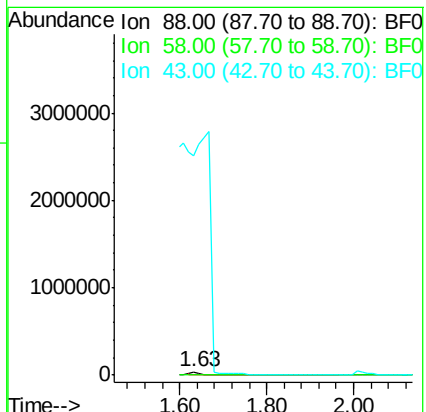
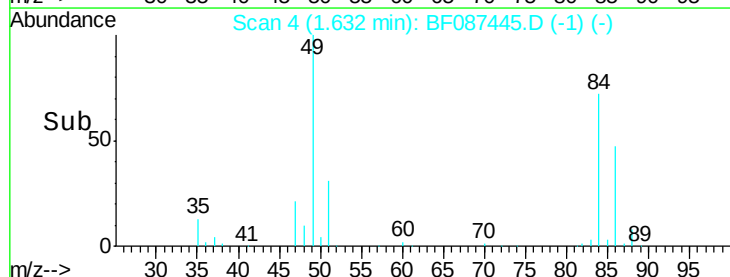
43 0.0 21.8 32.6#

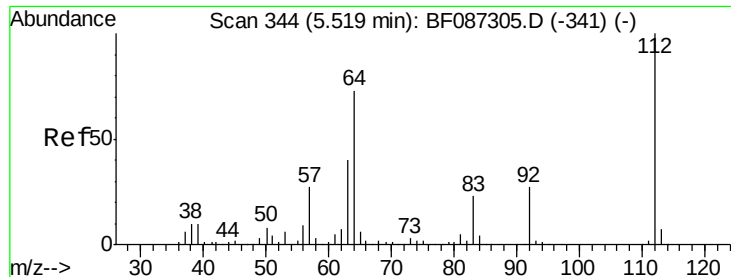


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 142.44 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.01 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

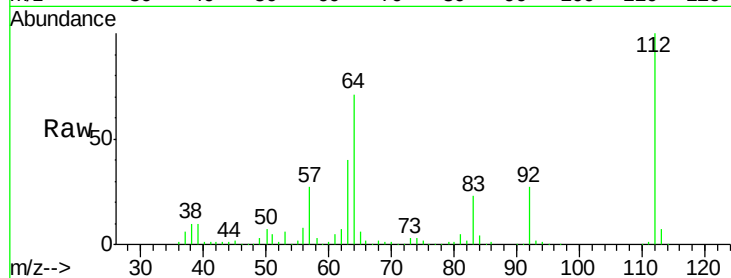
Tgt Ion: 112 Resp: 887963

Ion Ratio Lower Upper

112 100

64 71.5 52.1 78.1

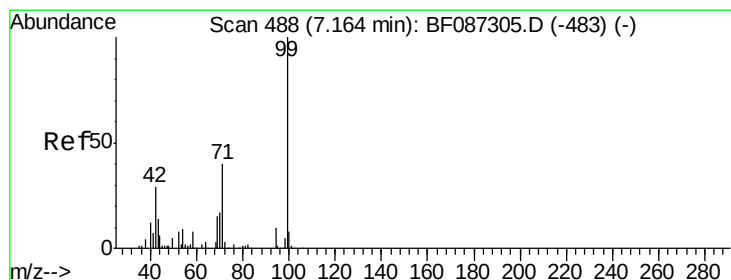
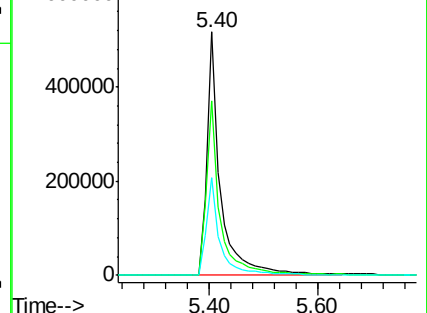
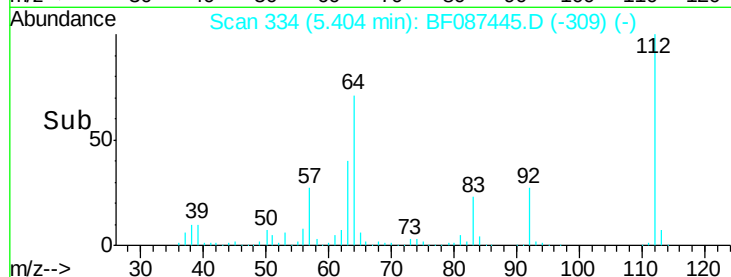
63 40.3 25.7 38.5#



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: 125.76 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

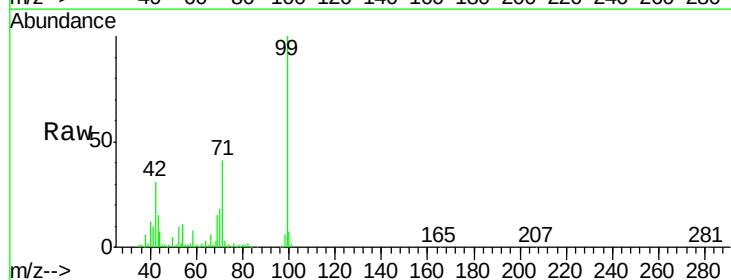
Tgt Ion: 99 Resp: 1059307

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

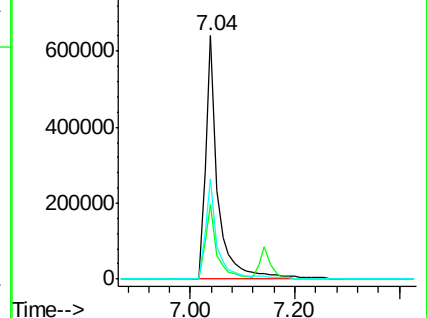
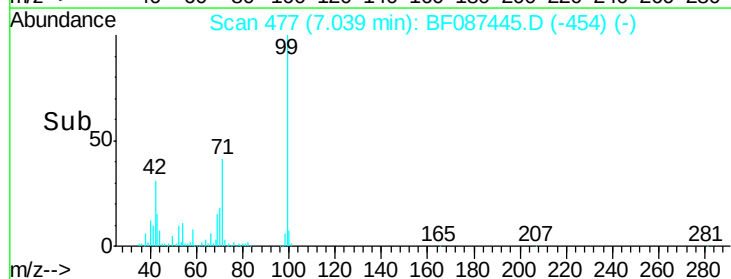
71 41.3 24.6 36.8#

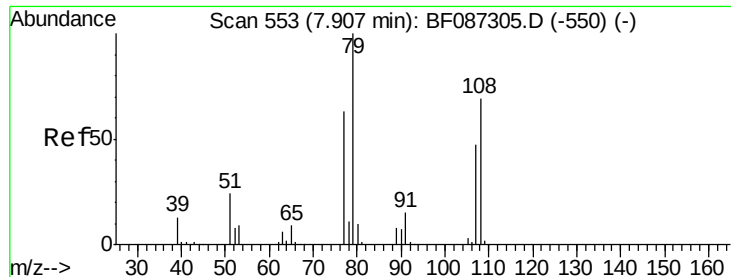


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.10 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

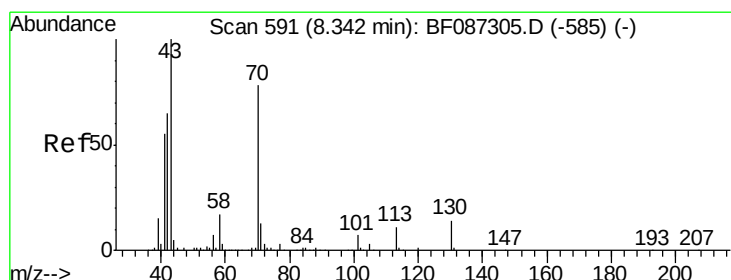
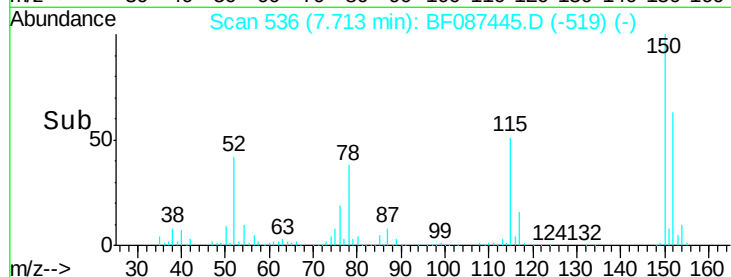
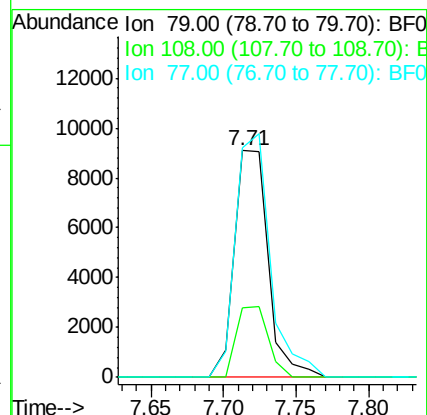
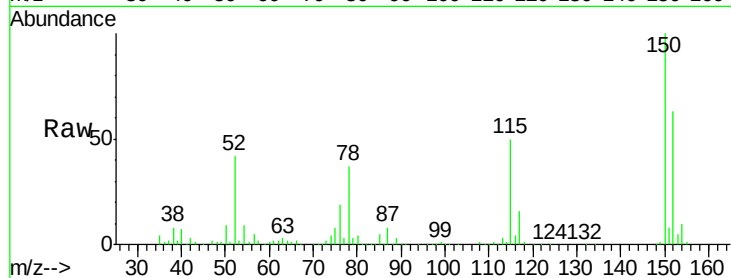
Tgt Ion: 79 Resp: 14759

Ion Ratio Lower Upper

79 100

108 30.8 68.4 102.6#

77 101.4 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 18.46 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Tgt Ion: 70 Resp: 115981

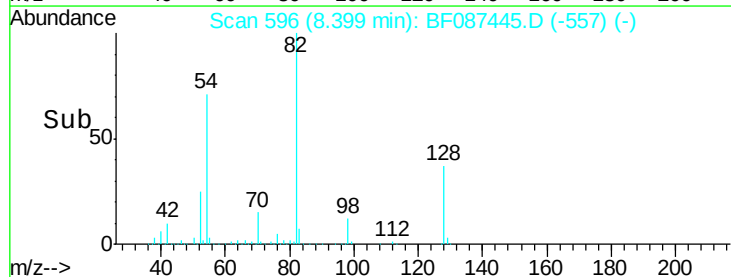
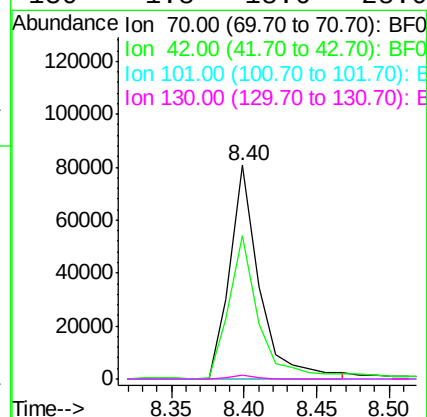
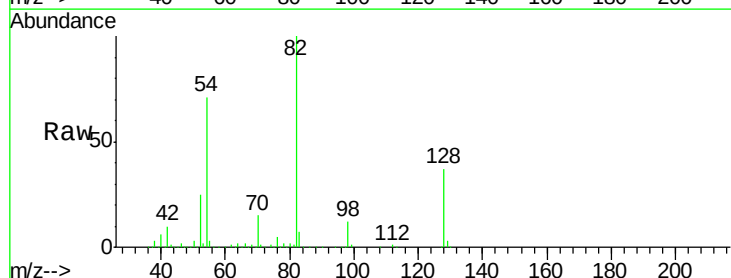
Ion Ratio Lower Upper

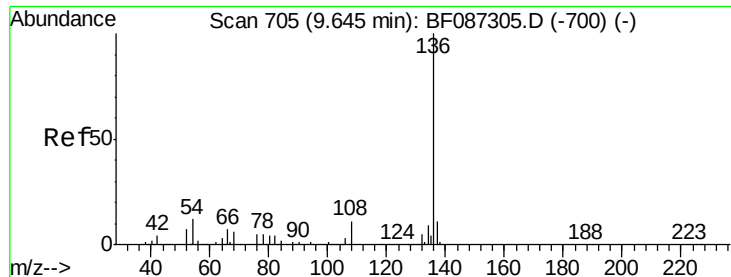
70 100

42 67.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

Tgt Ion: 136 Resp: 448298

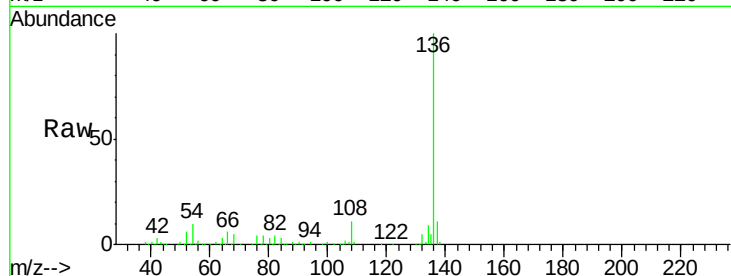
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.5 5.0 7.4#

68 5.1 4.4 6.6

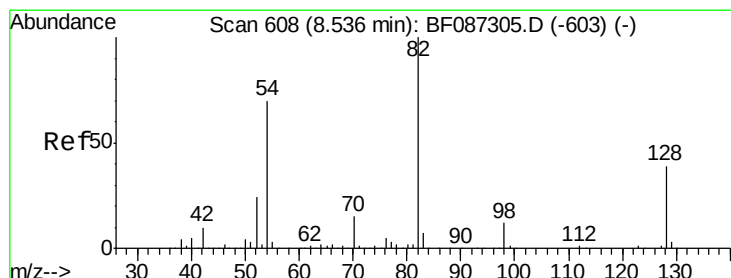
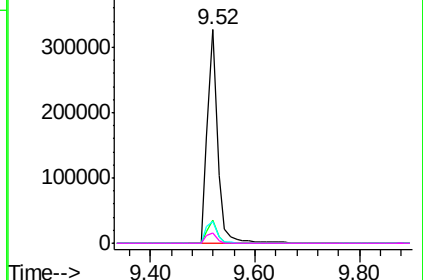
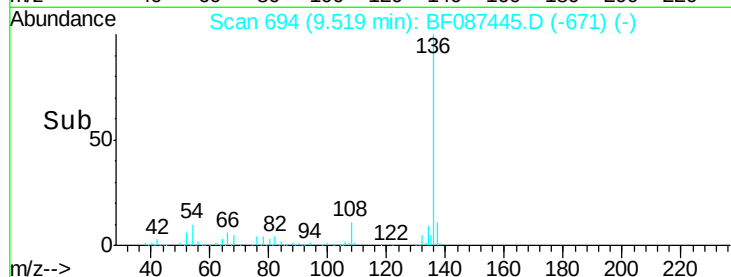


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.33 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

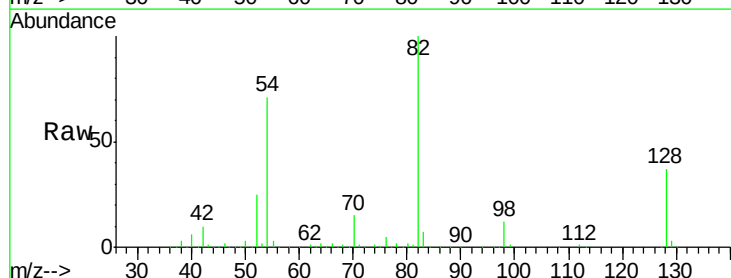
Tgt Ion: 82 Resp: 847933

Ion Ratio Lower Upper

82 100

128 37.2 40.6 61.0#

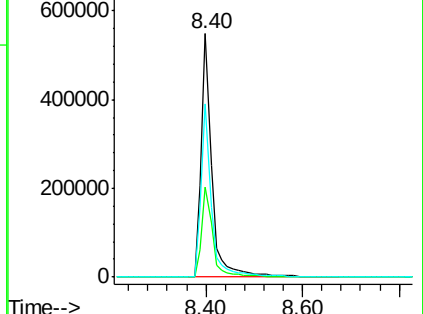
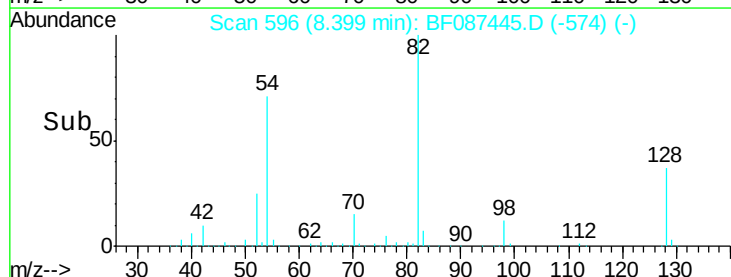
54 71.1 38.1 57.1#

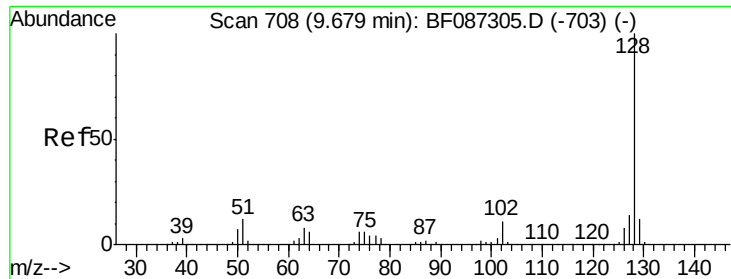


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

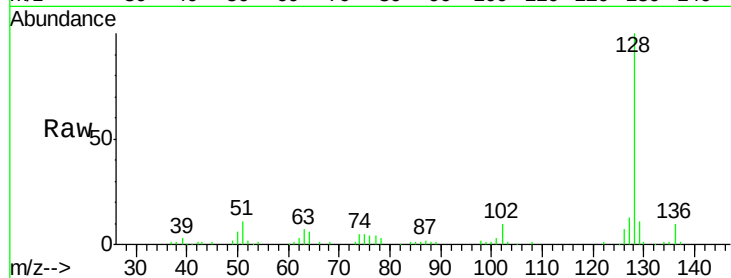




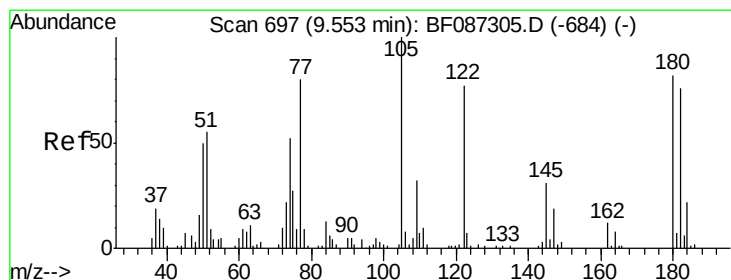
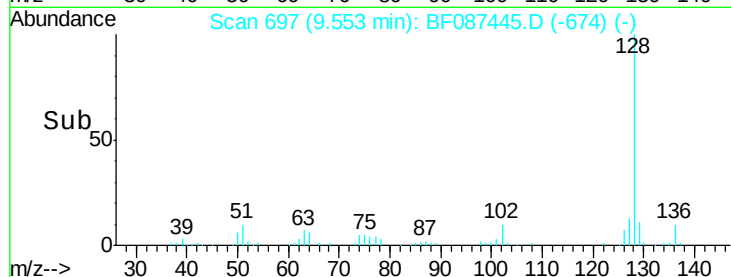
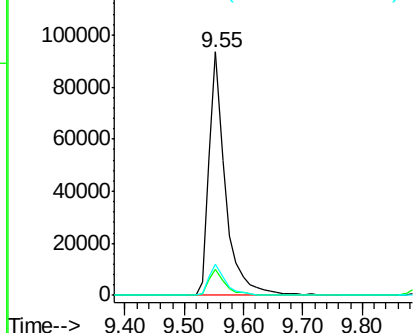
#31
Naphthalene
Concen: 7.97 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF087445.D
Acq: 27 May 2016 16:12

Instrument :
BNA_F
ClientSampleId :
HSR-WC-47-052416

Tgt Ion:128 Resp: 178928
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.7 10.8 16.2

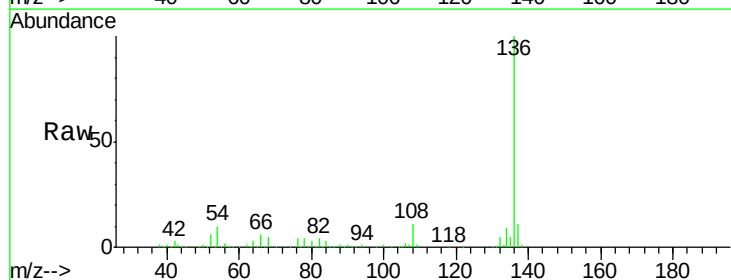


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

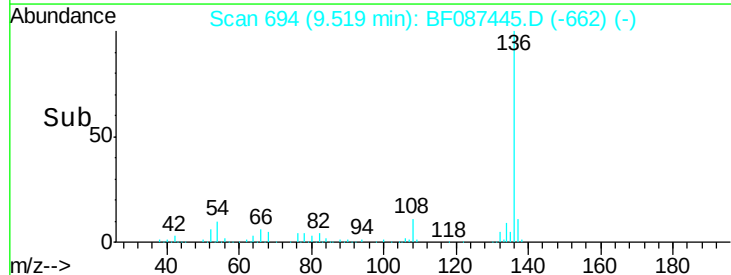
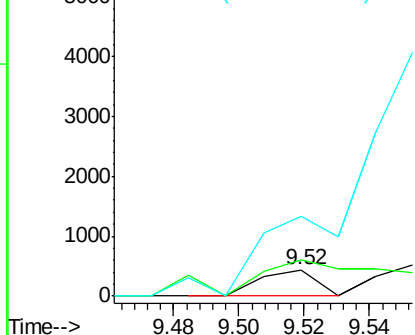


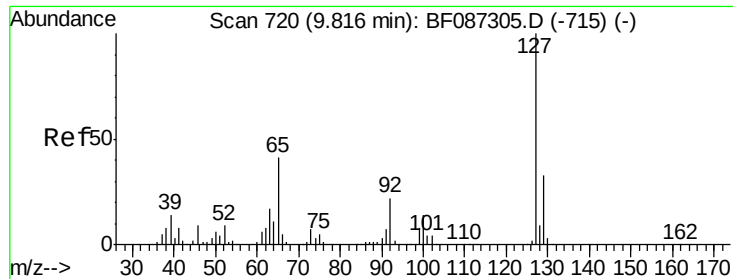
#32
Benzoic acid
Concen: 5.96 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.07 min
Lab File: BF087445.D
Acq: 27 May 2016 16:12

Tgt Ion:122 Resp: 525
Ion Ratio Lower Upper
122 100
105 135.6 92.6 132.6#
77 304.1 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

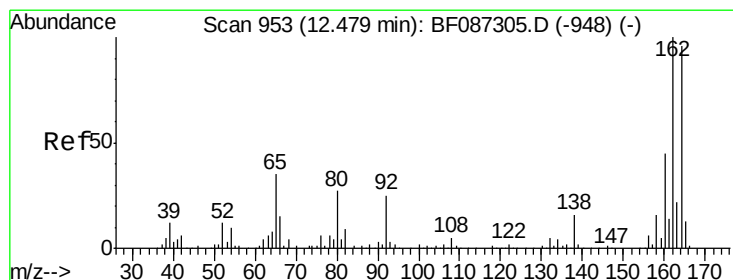
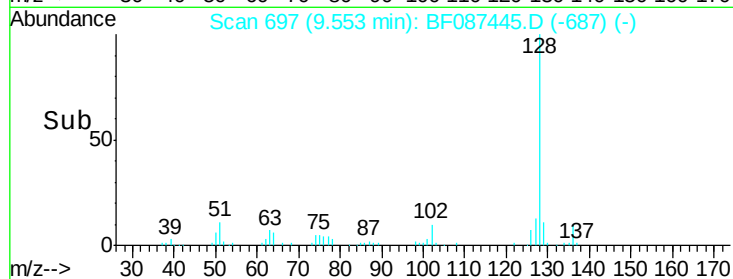
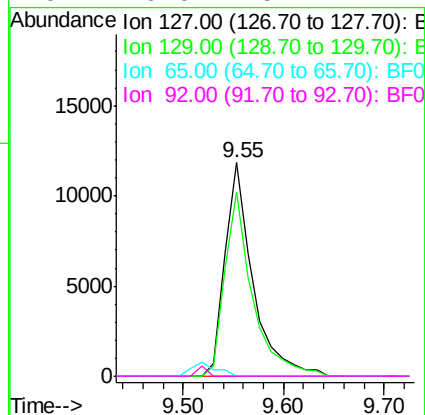
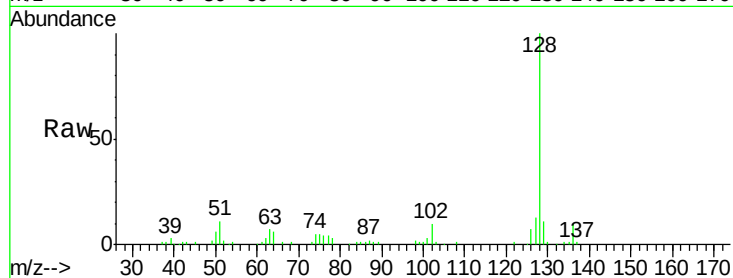




#33
4-Chloroaniline
Concen: 2.76 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.18 min
Lab File: BF087445.D
Acq: 27 May 2016 16:12

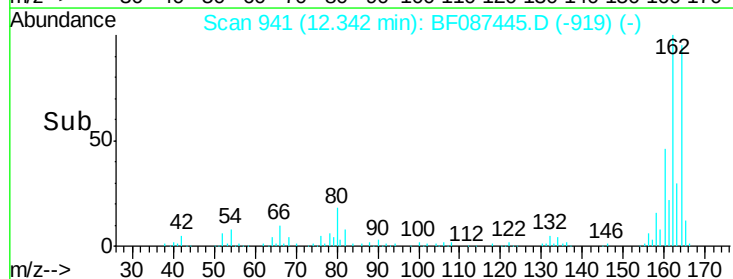
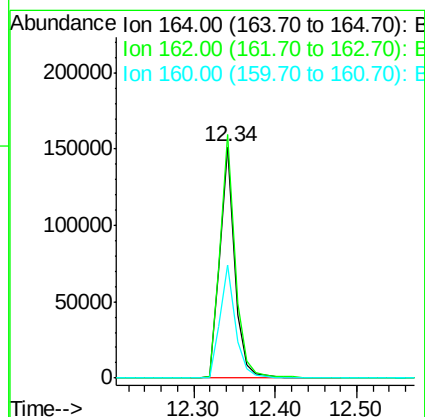
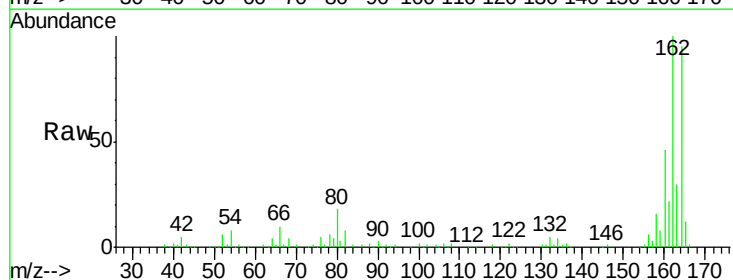
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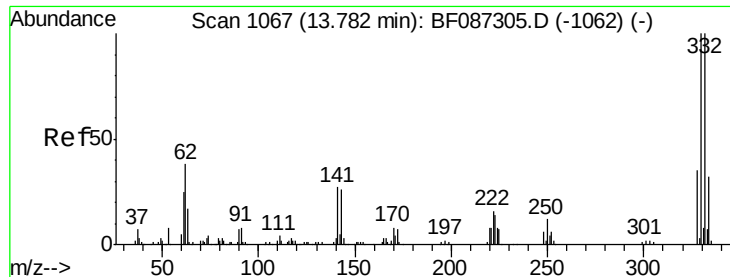
Tgt Ion:	127	Resp:	22828
Ion Ratio	Lower	Upper	
127	100		
129	86.4	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.05 min
Lab File: BF087445.D
Acq: 27 May 2016 16:12

Tgt Ion:	164	Resp:	193143
Ion Ratio	Lower	Upper	
164	100		
162	105.2	82.8	124.2
160	48.8	36.9	55.3

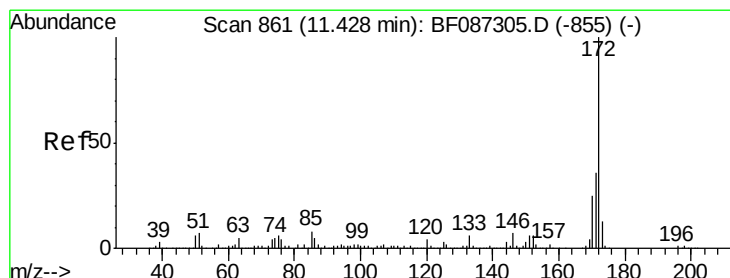
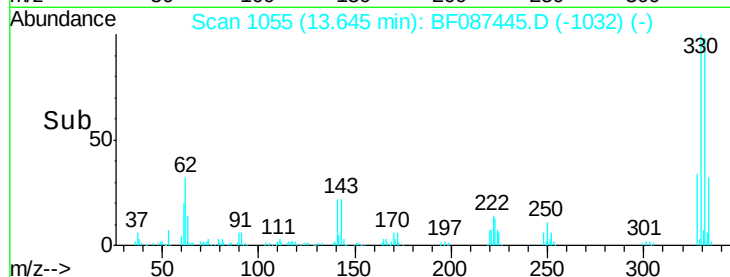
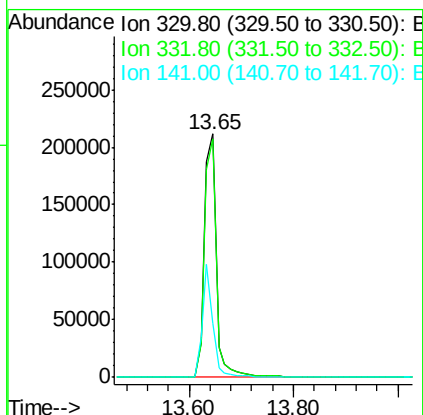
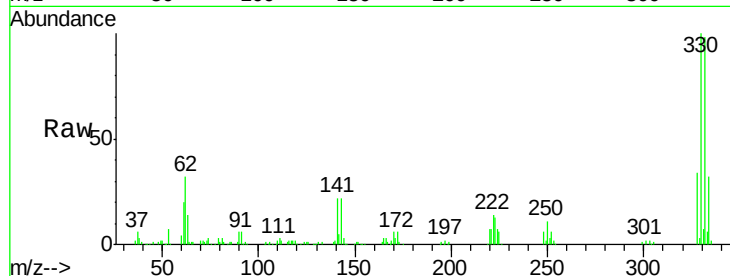




#41
 2,4,6-Tribromophenol
 Concen: 183.90 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: BF087445.D
 Acq: 27 May 2016 16:12

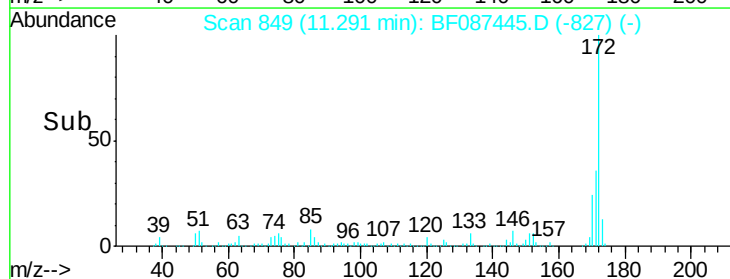
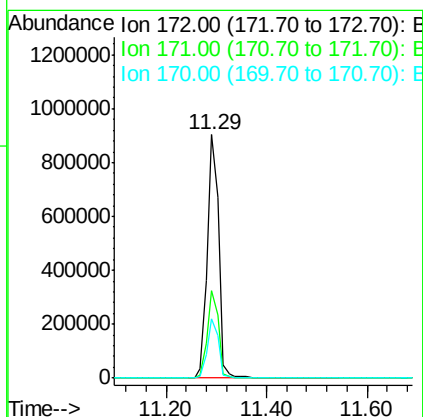
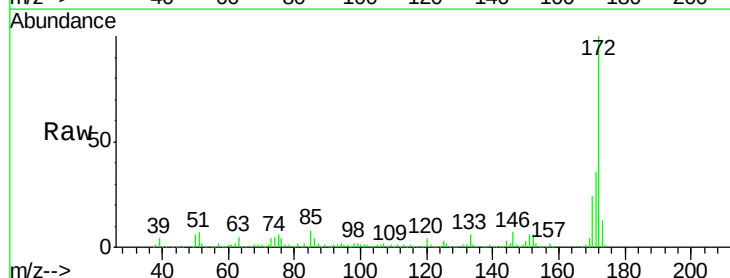
Instrument :
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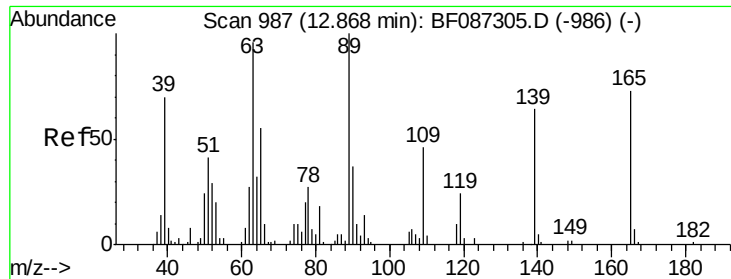
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	41.0	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 103.75 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.05 min
 Lab File: BF087445.D
 Acq: 27 May 2016 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.3	19.8	29.8





#55

4-Nitrophenol

Concen: 2.15 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.06 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

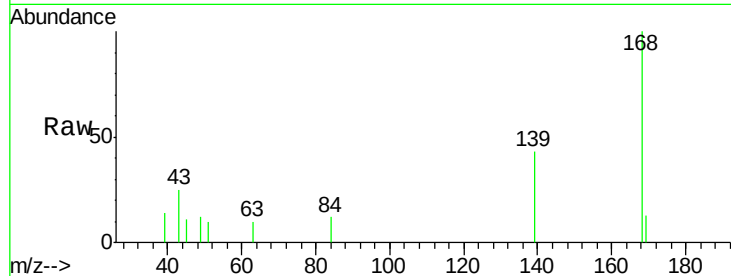
Tgt Ion:139 Resp: 3278

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

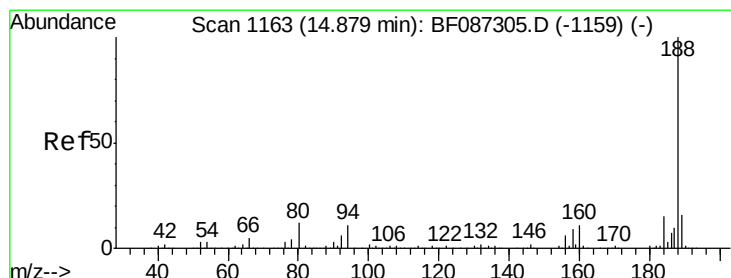
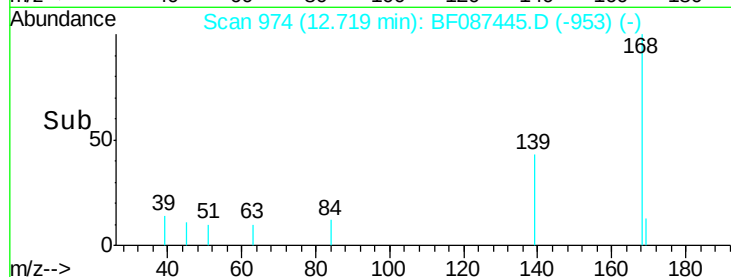
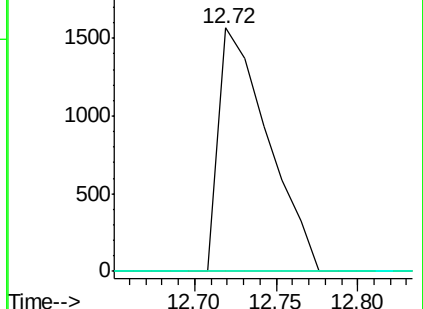
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

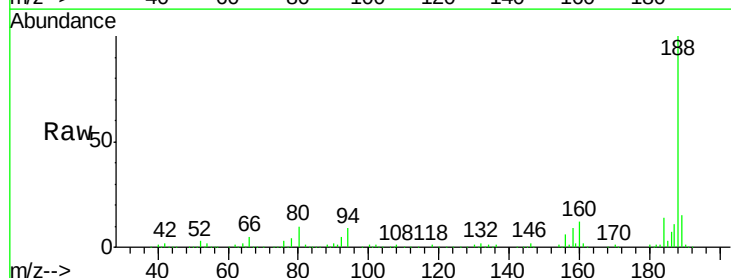
Tgt Ion:188 Resp: 424547

Ion Ratio Lower Upper

188 100

94 9.4 6.8 10.2

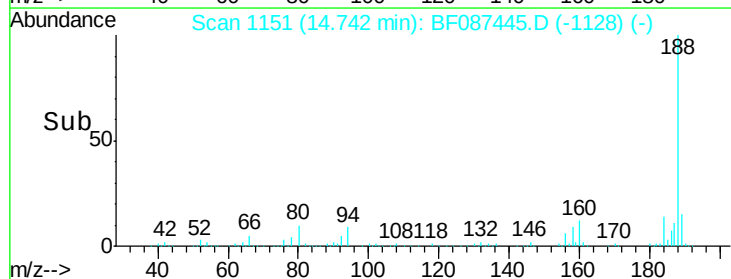
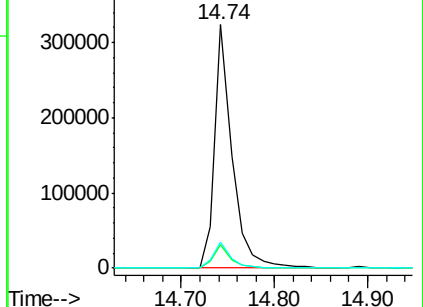
80 10.5 7.1 10.7

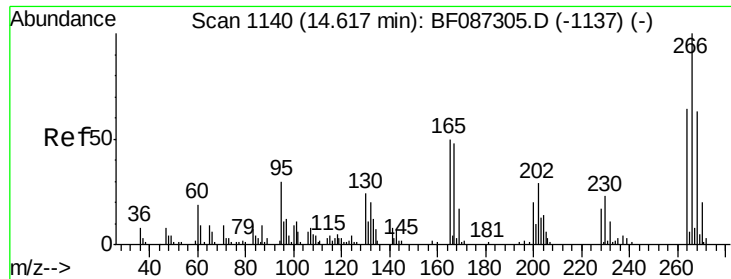


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#69

Pentachlorophenol

Concen: 7.01 ng

RT: 14.53 min Scan# 1132

Delta R.T. 0.01 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

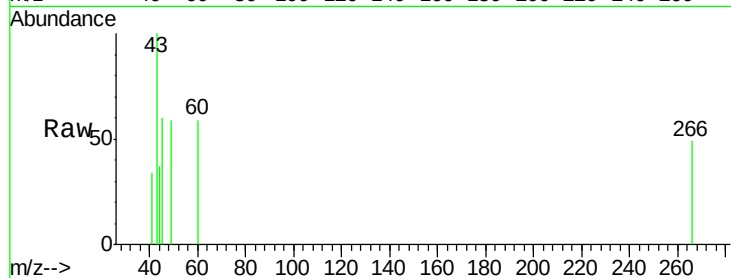
Tgt Ion:266 Resp: 1368

Ion Ratio Lower Upper

266 100

268 0.0 51.5 77.3#

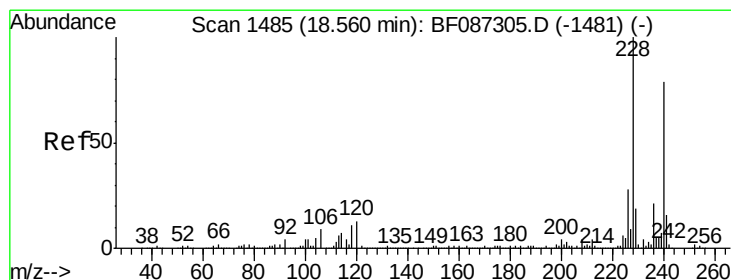
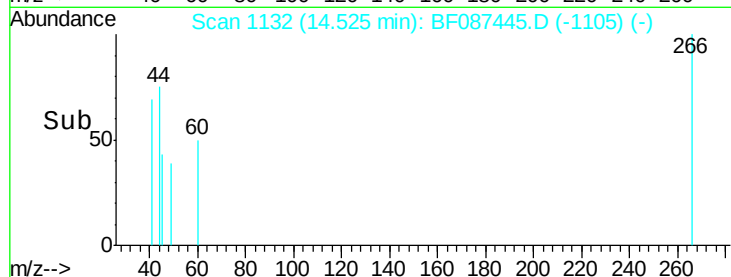
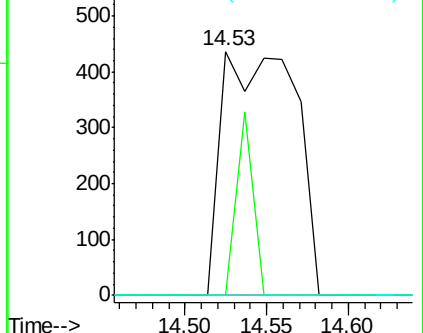
264 0.0 52.9 79.3#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

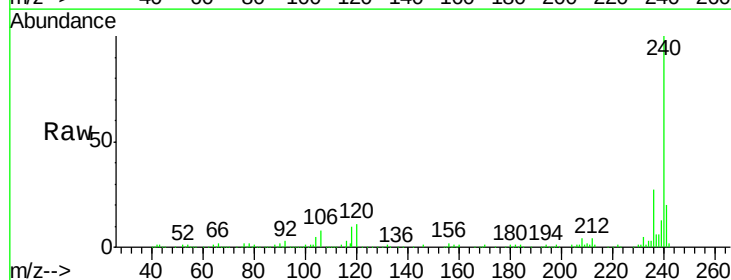
Tgt Ion:240 Resp: 339292

Ion Ratio Lower Upper

240 100

120 11.5 11.2 16.8

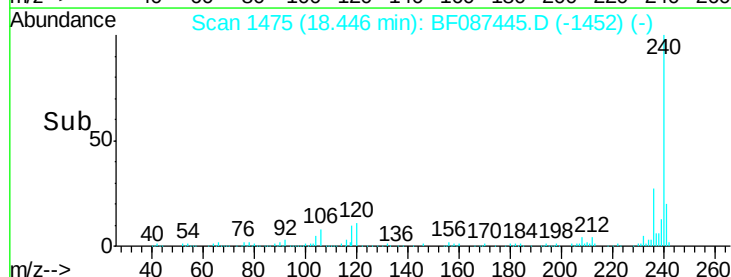
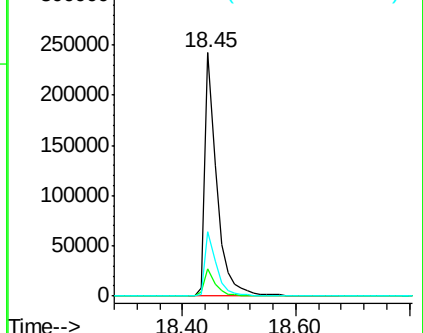
236 26.6 21.2 31.8

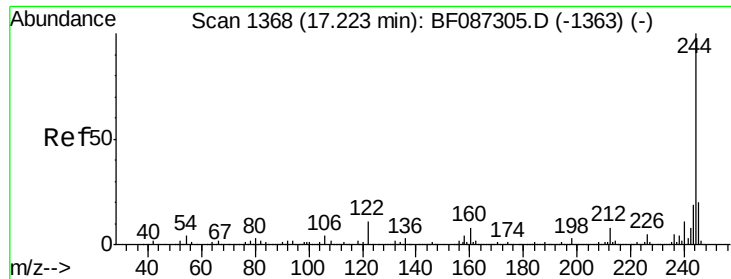


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 98.37 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-47-052416

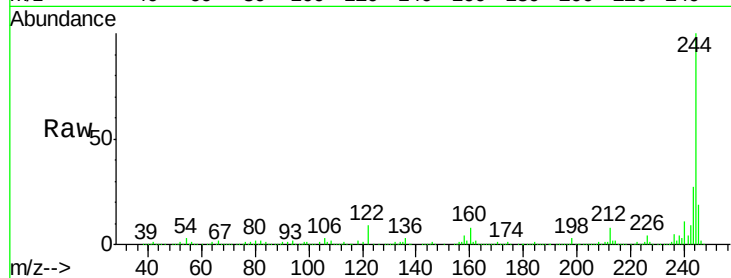
Tgt Ion:244 Resp: 1569870

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

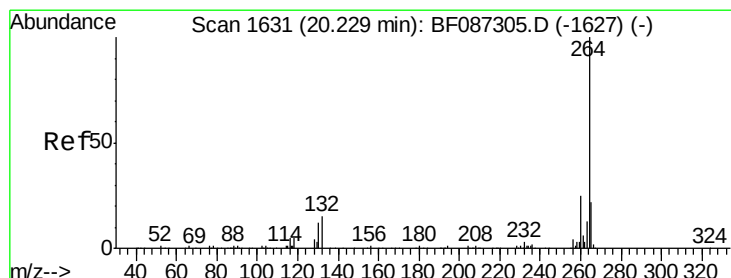
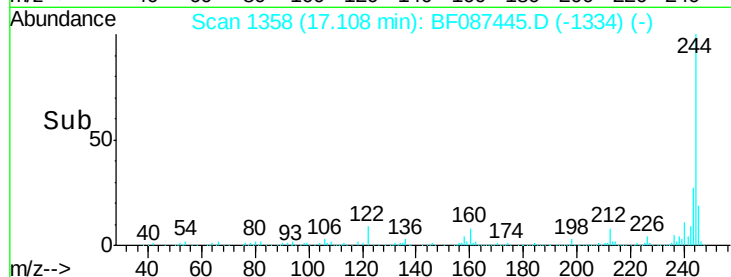
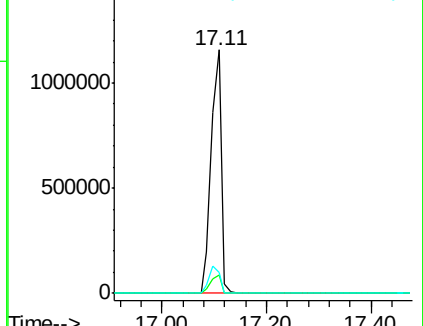
122 8.8 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.14 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BF087445.D

Acq: 27 May 2016 16:12

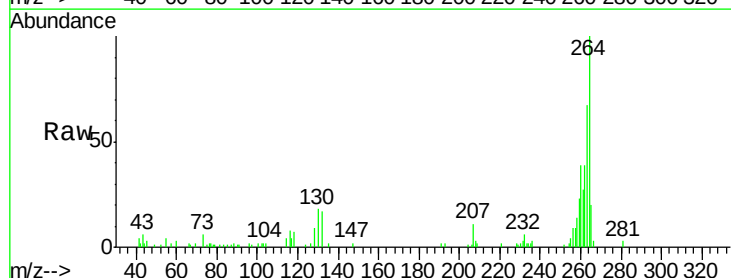
Tgt Ion:264 Resp: 56403

Ion Ratio Lower Upper

264 100

260 38.9 19.5 29.3#

265 20.5 17.3 25.9



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

