

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081716\
 Data File : BF089768.D
 Acq On : 17 Aug 2016 17:40
 Operator : UM/SJ
 Sample : H4476-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Quant Time: Aug 17 18:47:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	604995	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2393859	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1192348	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2180056	20.00	ng	0.00
75) Chrysene-d12	13.87	240	2014586	20.00	ng	-0.02
86) Perylene-d12	15.35	264	1681116	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	2339100	64.51	ng	0.00
7) Phenol-d6	6.33	99	1884199	40.85	ng	0.00
23) Nitrobenzene-d5	7.27	82	3924976	100.12	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1473079	127.70	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	6500752	87.48	ng	0.00
78) Terphenyl-d14	12.82	244	8713826	129.22	ng	0.01

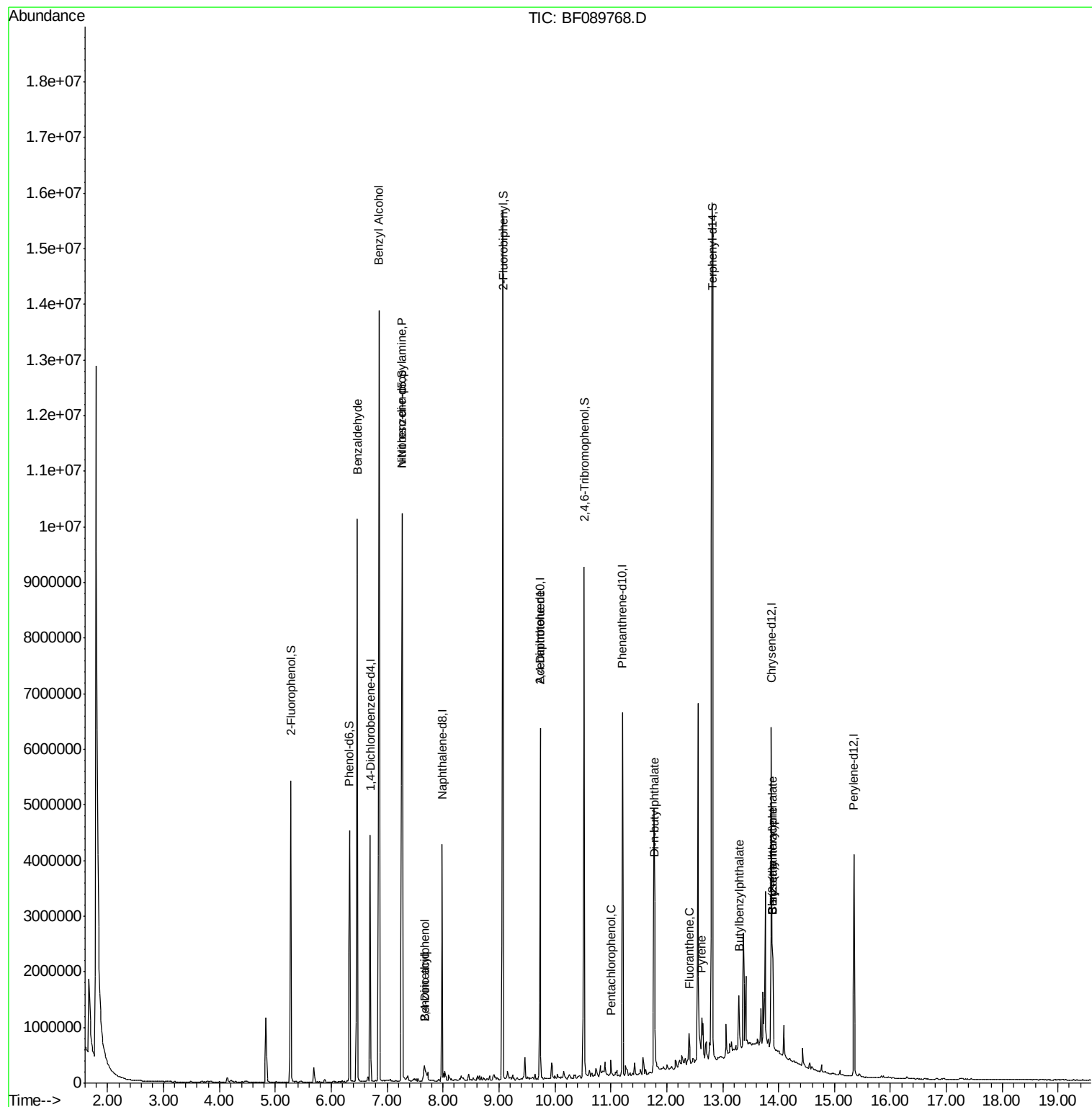
Target Compounds						Qvalue
9) Benzaldehyde	6.47	77	93812	3.07	ng	93
15) Benzyl Alcohol	6.86	79	65657	2.13	ng	# 47
19) n-Nitroso-di-n-propylamine	7.27	70	565627	18.73	ng	# 72
27) 2,4-Dimethylphenol	7.67	122	159390	4.05	ng	# 7
32) Benzoic acid	7.67	122	159390	5.21	ng	98
56) 2,4-Dinitrotoluene	9.74	165	162359	6.47	ng	# 36
69) Pentachlorophenol	11.01	266	35791	2.29	ng	95
73) Di-n-butylphthalate	11.78	149	1044156	8.09	ng	99
74) Fluoranthene	12.40	202	300545	2.79	ng	95
77) Pyrene	12.63	202	281415	2.13	ng	99
79) Butylbenzylphthalate	13.29	149	195005	2.95	ng	# 85
80) Benzo(a)anthracene	13.90	228	306459	2.62	ng	99
82) Chrysene	13.90	228	306459	2.91	ng	97
83) Bis(2-ethylhexyl)phthalate	13.90	149	504872	5.77	ng	98

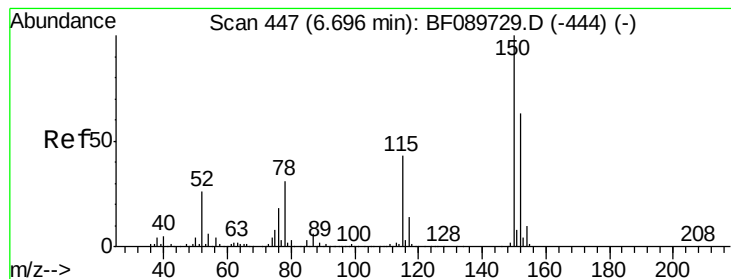
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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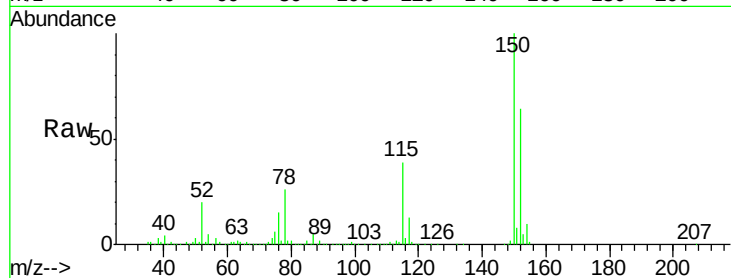




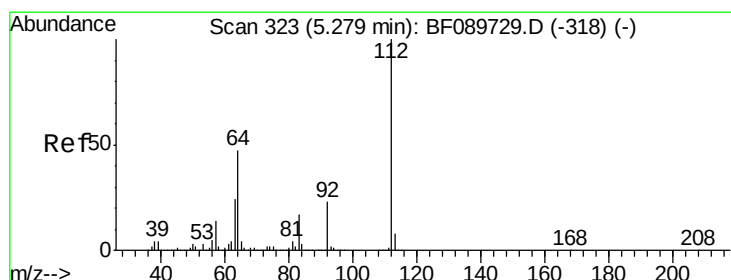
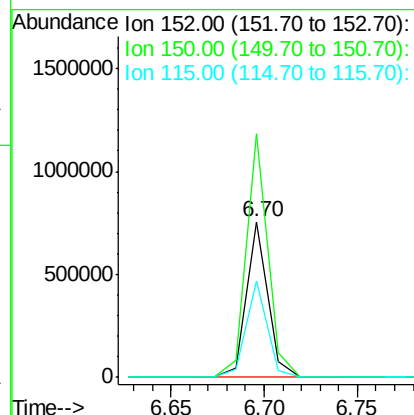
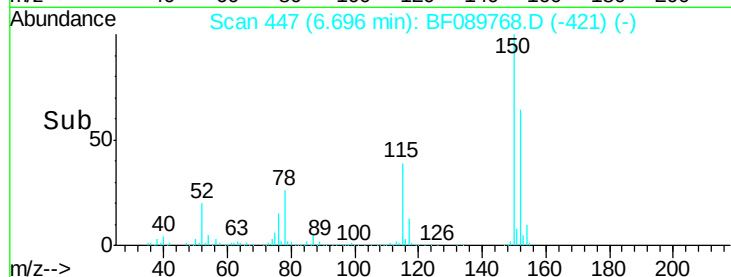
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: BF089768.D
 Acq: 17 Aug 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Tgt Ion:152 Resp: 604995
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.3 187.9
 115 61.9 40.9 61.3#

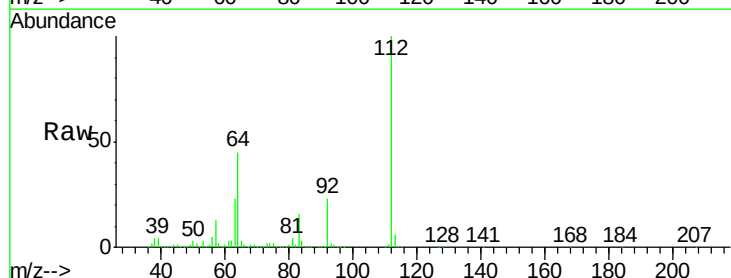


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

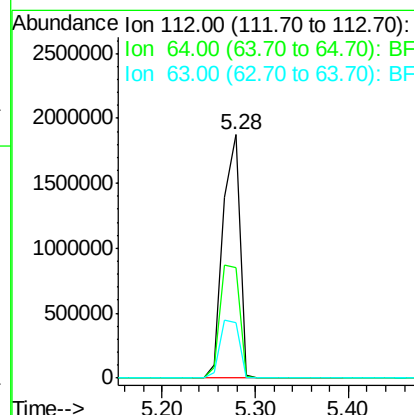
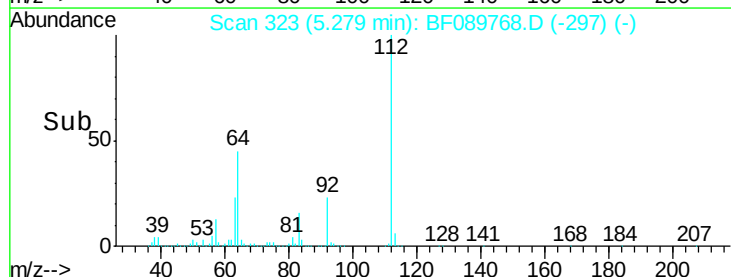


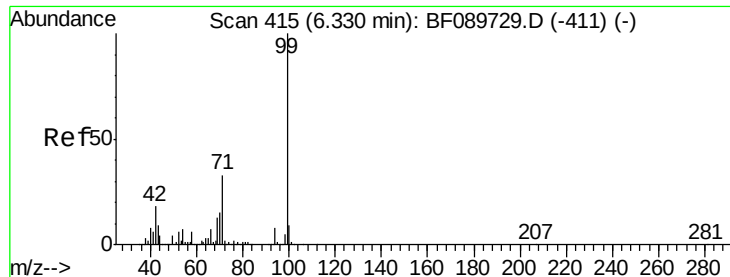
#5
 2-Fluorophenol
 Concen: 64.51 ng
 RT: 5.28 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BF089768.D
 Acq: 17 Aug 2016 17:40

Tgt Ion:112 Resp: 2339100
 Ion Ratio Lower Upper
 112 100
 64 45.4 45.0 67.4
 63 23.0 23.1 34.7#



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: 40.85 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

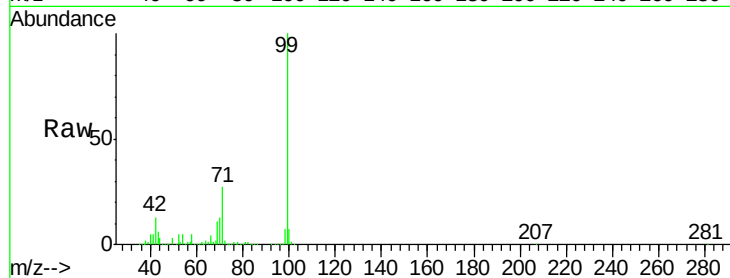
Tgt Ion: 99 Resp: 1884199

Ion Ratio Lower Upper

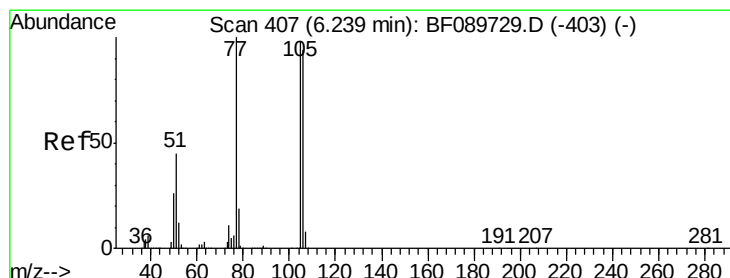
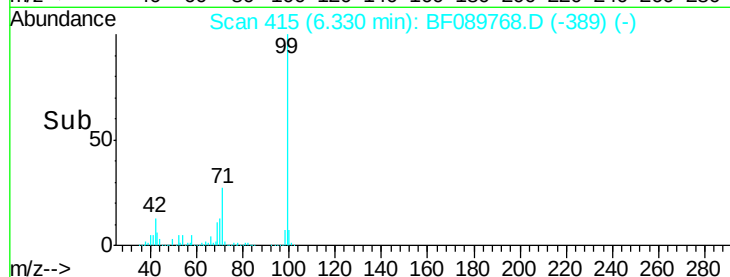
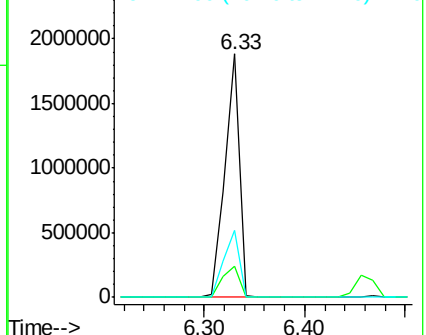
99 100

42 12.7 12.2 18.4

71 27.4 23.8 35.8



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



#9

Benzaldehyde

Concen: 3.07 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.23 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

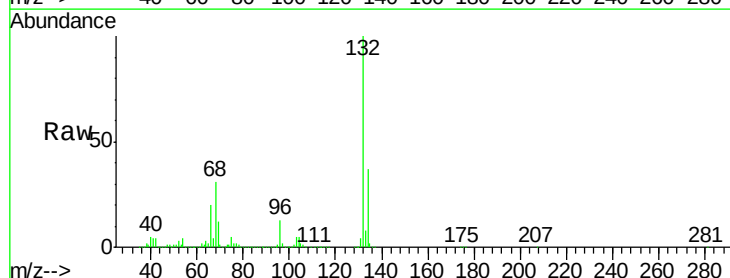
Tgt Ion: 77 Resp: 93812

Ion Ratio Lower Upper

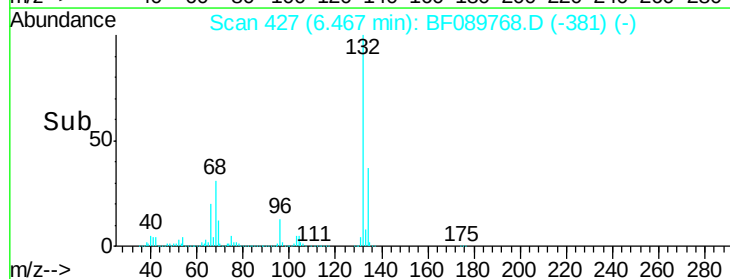
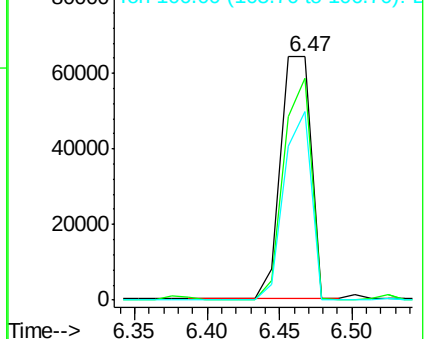
77 100

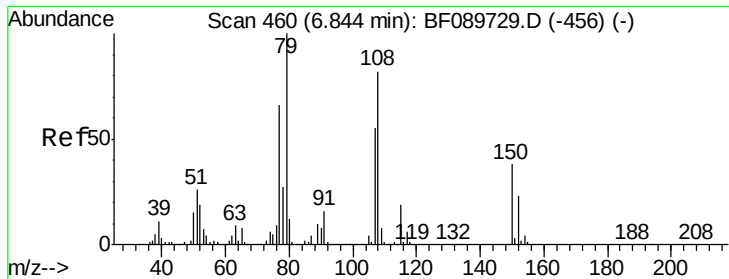
105 91.1 73.3 113.3

106 77.2 68.6 108.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

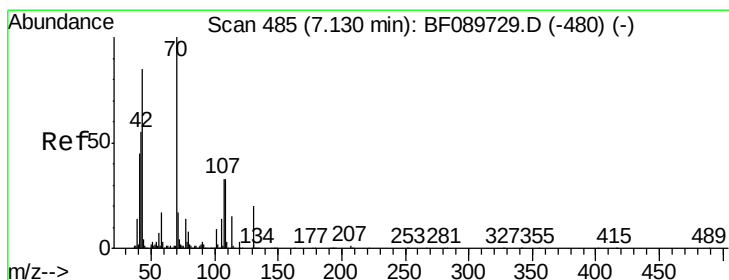
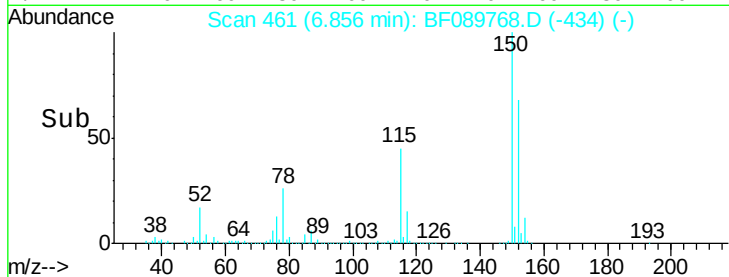
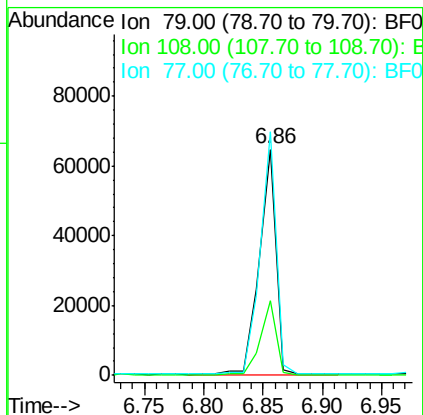
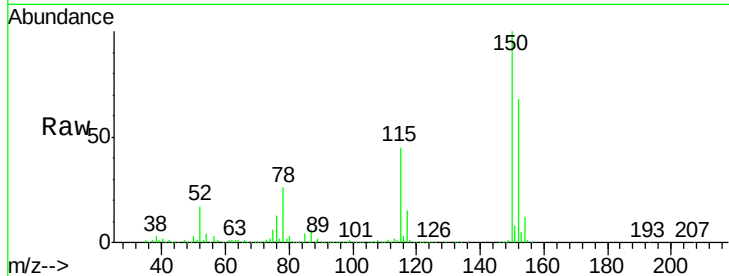
Tgt Ion: 79 Resp: 65657

Ion Ratio Lower Upper

79 100

108 33.2 62.5 93.7#

77 107.8 51.5 77.3#



#19

n-Nitroso-di-n-propylamine

Concen: 18.73 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.14 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Tgt Ion: 70 Resp: 565627

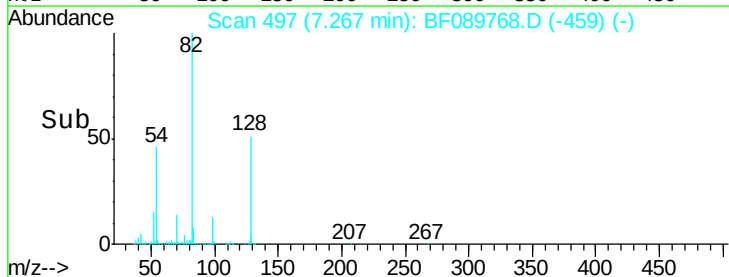
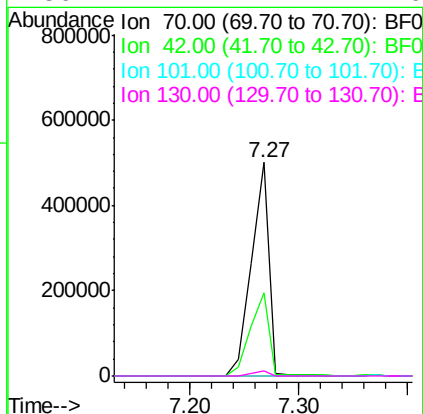
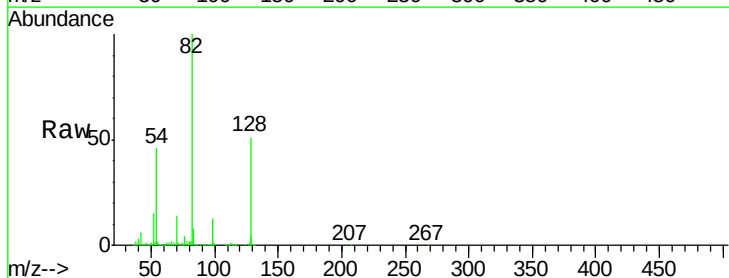
Ion Ratio Lower Upper

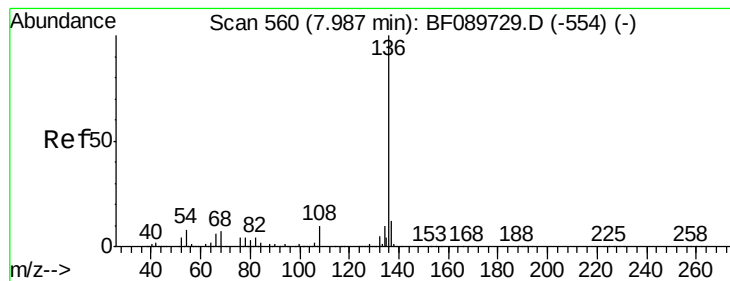
70 100

42 38.8 46.3 69.5#

101 0.0 7.0 10.6#

130 2.4 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

Tgt Ion:136 Resp: 2393859

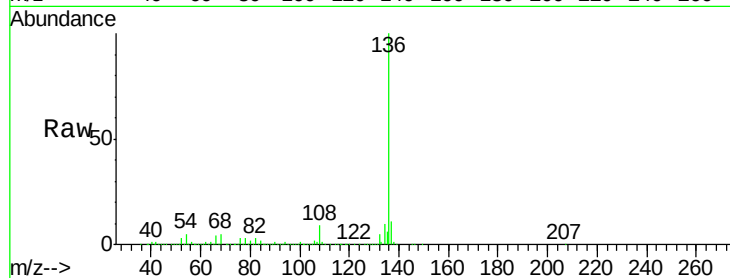
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 5.0 7.2 10.8#

68 4.7 5.8 8.8#

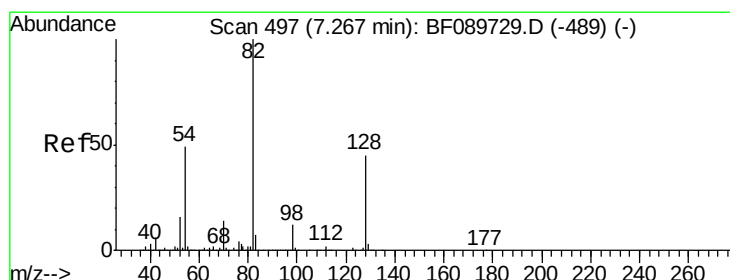
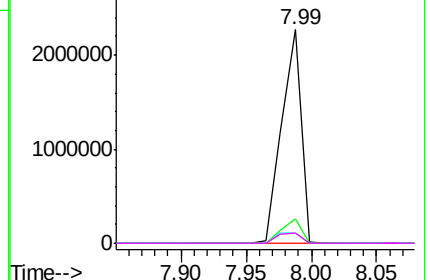
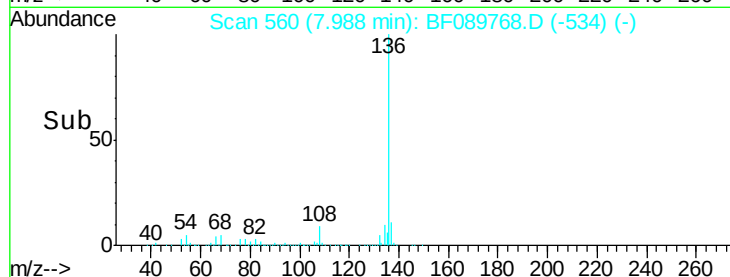


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.12 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

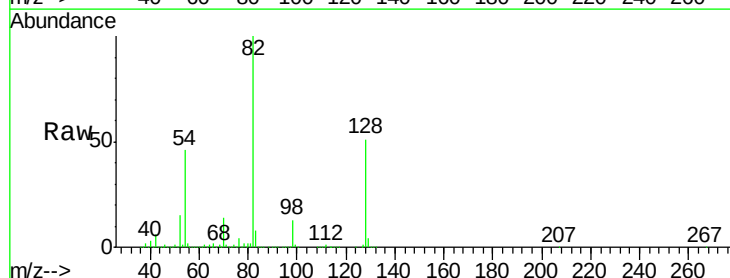
Tgt Ion: 82 Resp: 3924976

Ion Ratio Lower Upper

82 100

128 50.7 34.4 51.6

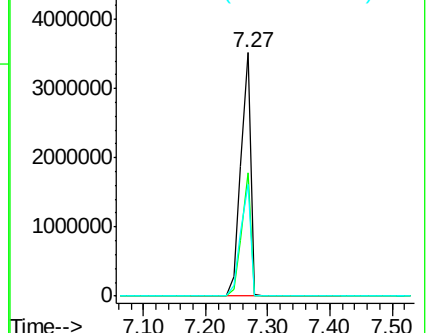
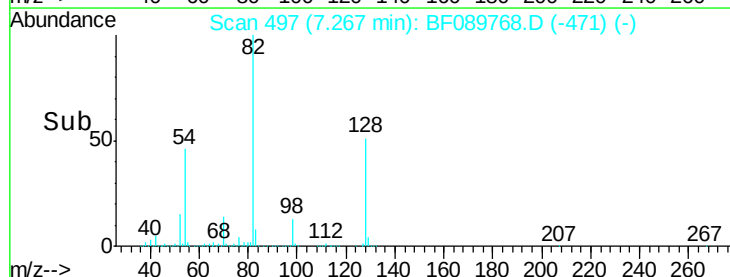
54 46.0 40.3 60.5

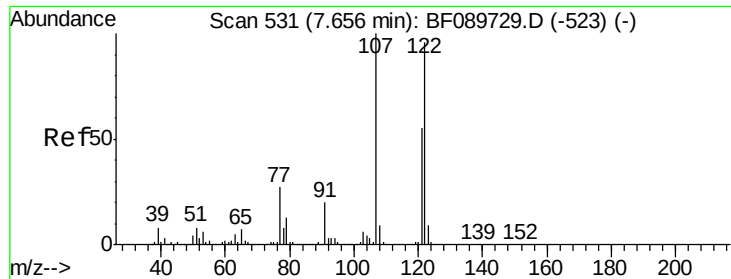


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

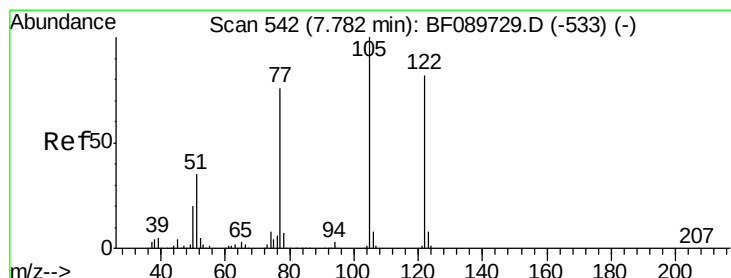
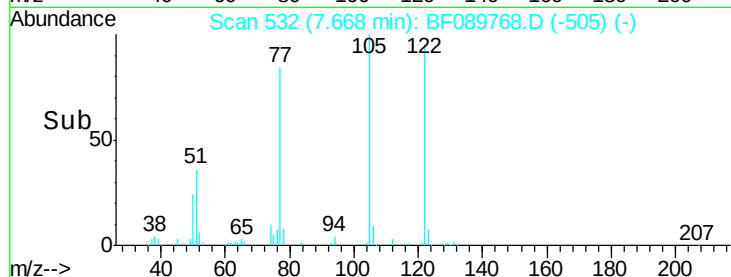
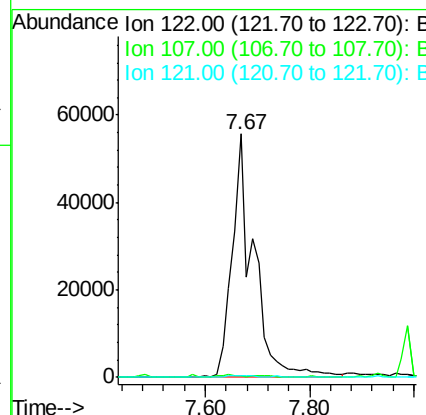
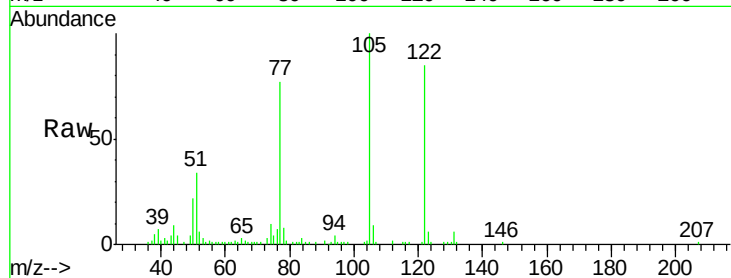




#27
2,4-Dimethylphenol
Concen: 4.05 ng
RT: 7.67 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF089768.D
Acq: 17 Aug 2016 17:40

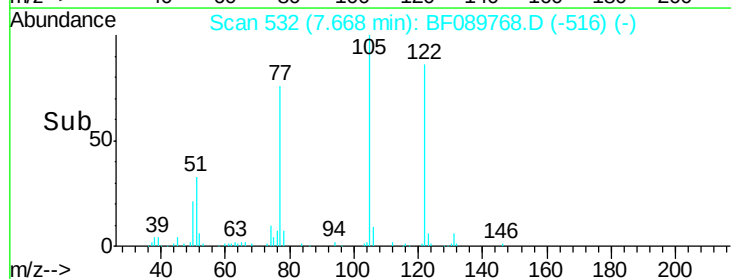
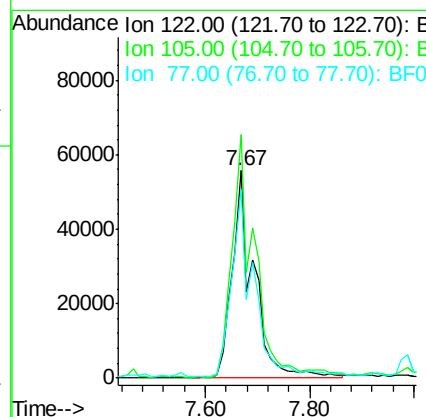
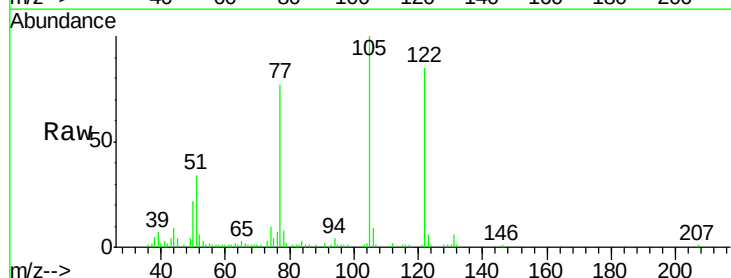
Instrument :
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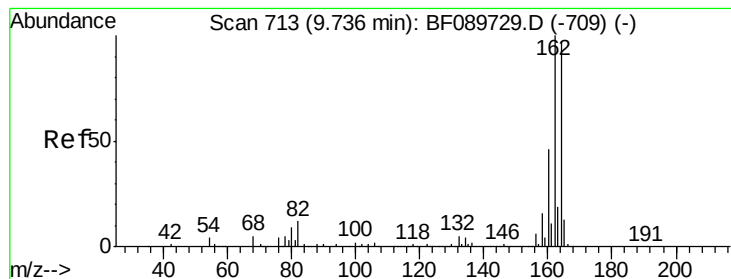
Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.8	84.8	127.2#
121	0.9	47.0	70.6#



#32
Benzoic acid
Concen: 5.21 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.11 min
Lab File: BF089768.D
Acq: 17 Aug 2016 17:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.4	100.8	140.8
77	90.7	72.1	112.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

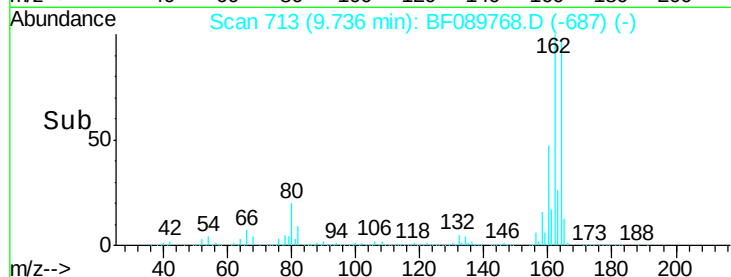
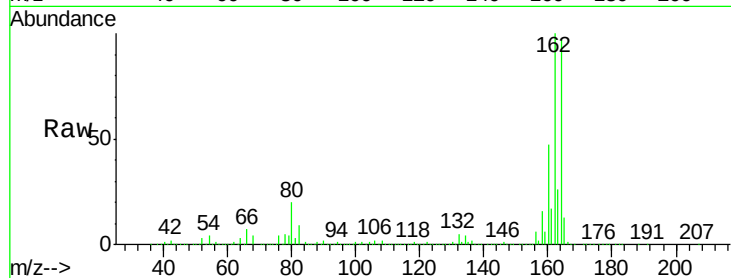
Tgt Ion:164 Resp: 1192348

Ion Ratio Lower Upper

164 100

162 103.5 81.4 122.2

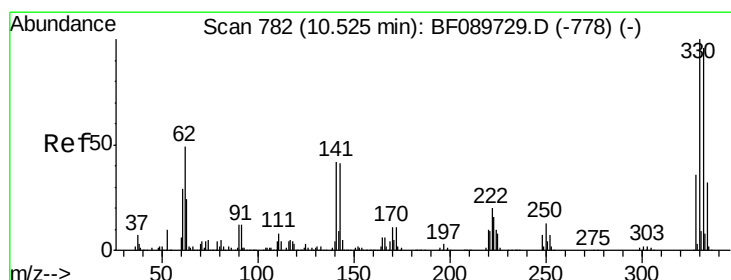
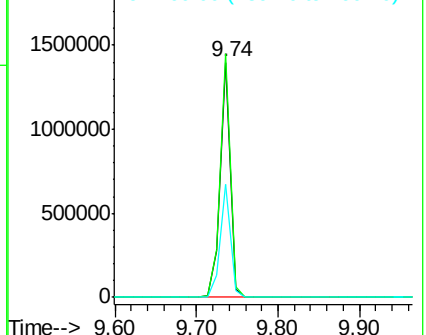
160 48.3 37.8 56.6



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: 127.70 ng

RT: 10.52 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

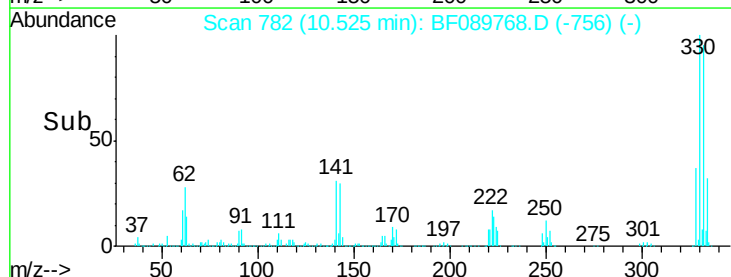
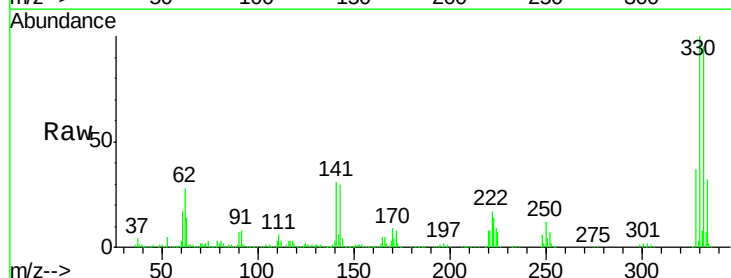
Tgt Ion:330 Resp: 1473079

Ion Ratio Lower Upper

330 100

332 95.7 76.7 115.1

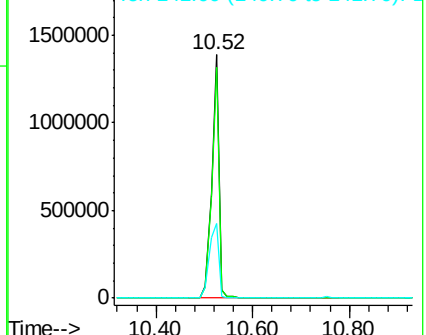
141 39.8 30.2 45.2

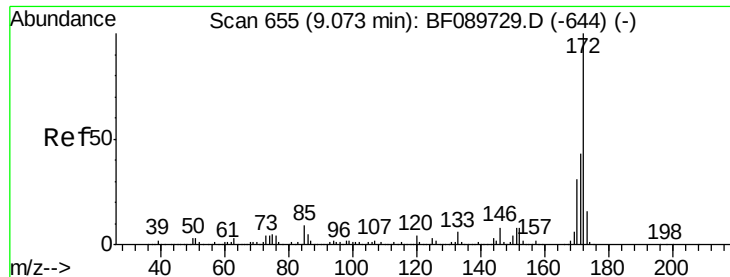


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 87.48 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

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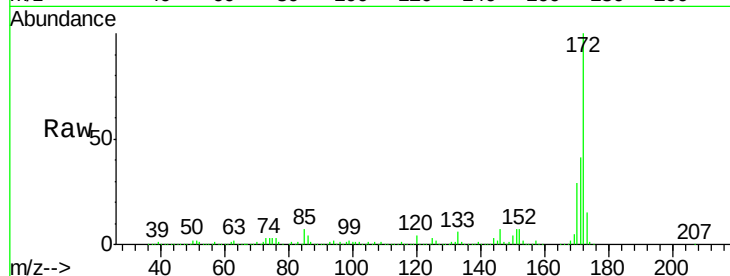
Tgt Ion:172 Resp: 6500752

Ion Ratio Lower Upper

172 100

171 41.5 30.5 45.7

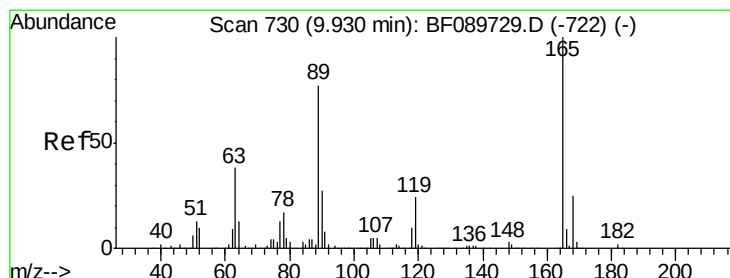
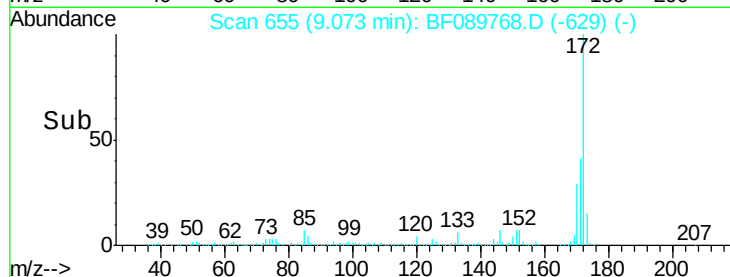
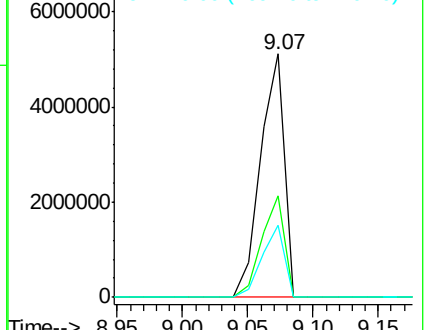
170 29.4 20.6 31.0



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



#56

2,4-Dinitrotoluene

Concen: 6.47 ng

RT: 9.74 min Scan# 713

Delta R.T. -0.19 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Tgt Ion:165 Resp: 162359

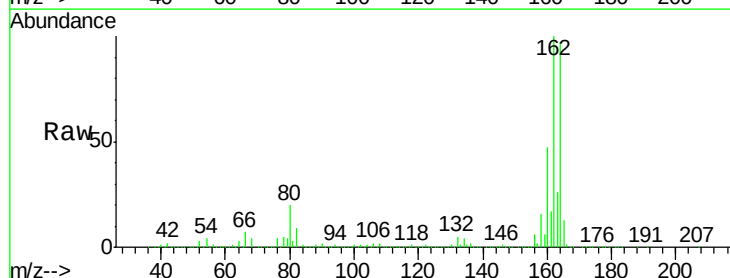
Ion Ratio Lower Upper

165 100

63 1.2 23.7 35.5#

89 1.8 44.0 66.0#

182 2.3 2.0 3.0

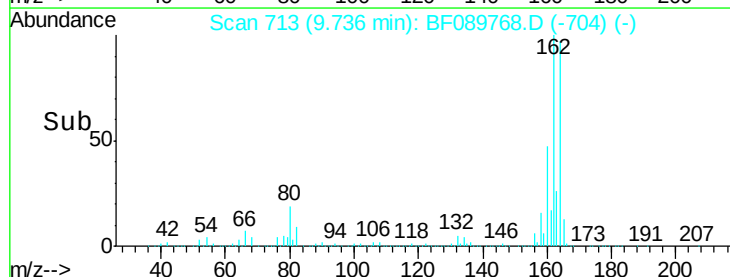
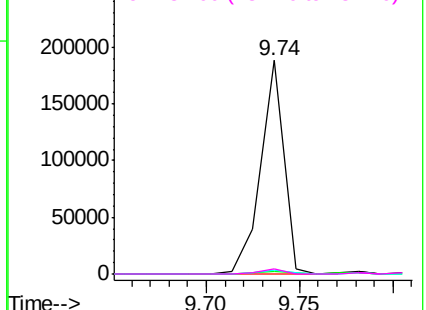


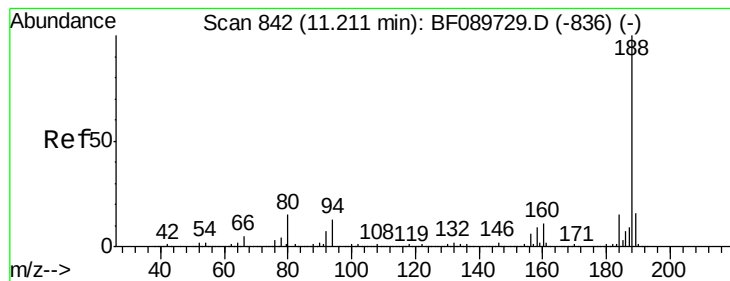
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

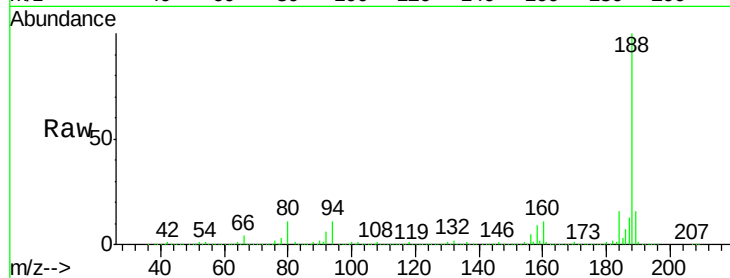
Tgt Ion:188 Resp: 2180056

Ion Ratio Lower Upper

188 100

94 10.7 10.2 15.2

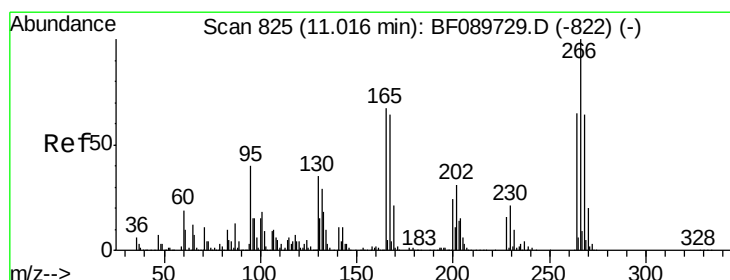
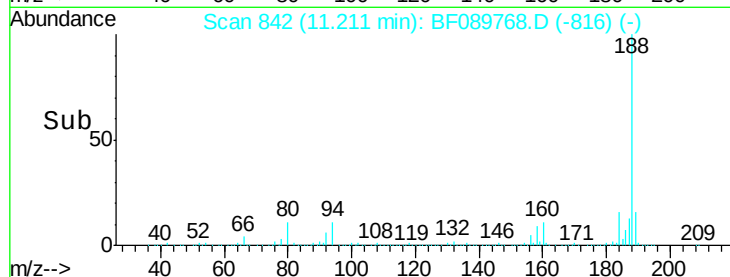
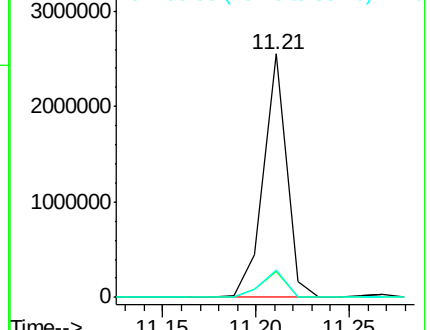
80 11.0 10.9 16.3



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: 2.29 ng

RT: 11.01 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

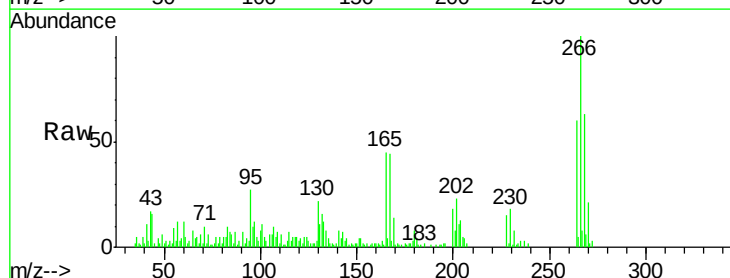
Tgt Ion:266 Resp: 35791

Ion Ratio Lower Upper

266 100

268 63.0 53.2 79.8

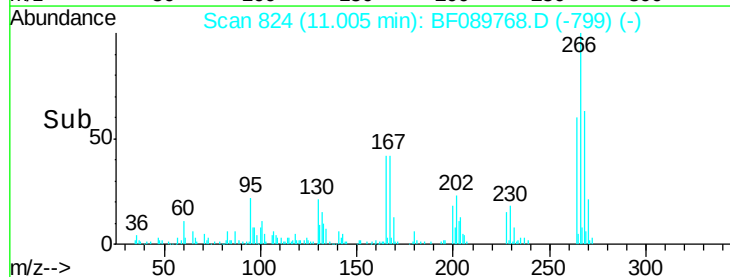
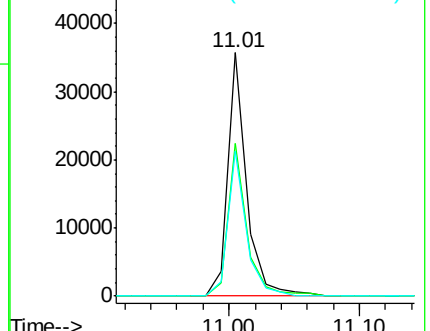
264 59.8 51.1 76.7

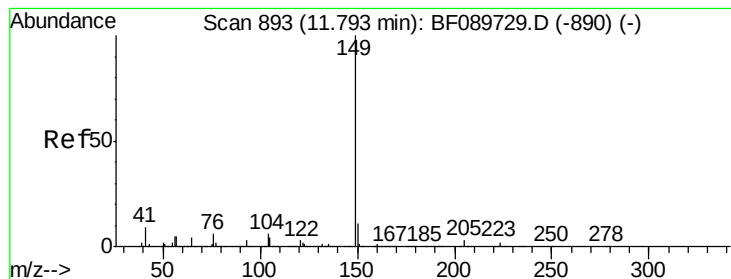


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#73

Di-n-butylphthalate

Concen: 8.09 ng

RT: 11.78 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

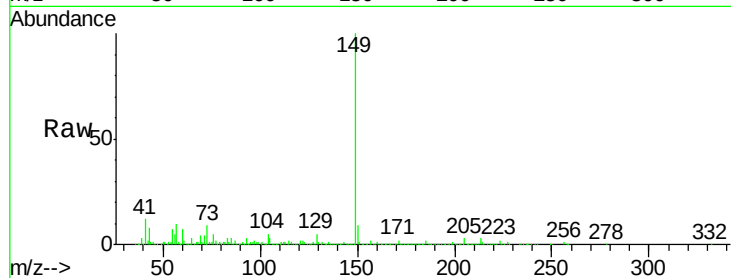
Tgt Ion:149 Resp: 1044156

Ion Ratio Lower Upper

149 100

150 9.5 7.9 11.9

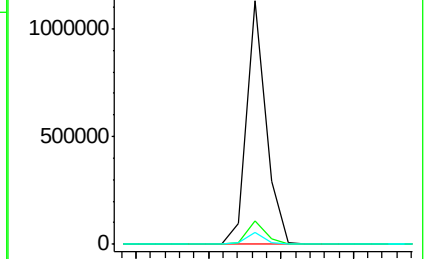
104 4.9 4.3 6.5



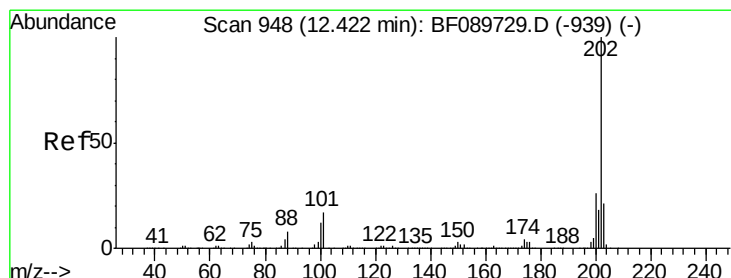
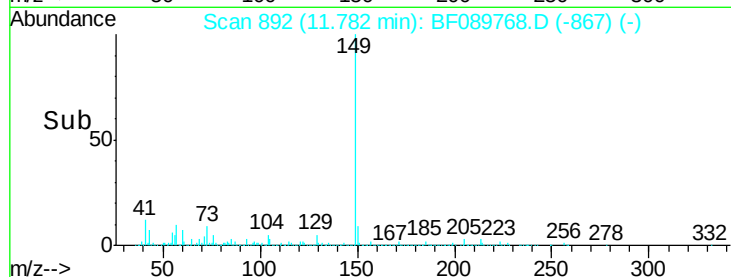
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 11.70 11.75 11.80 11.85



#74

Fluoranthene

Concen: 2.79 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

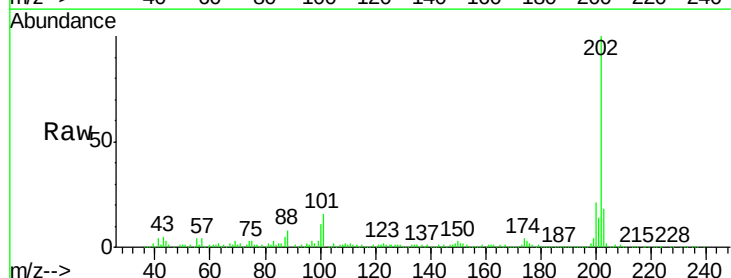
Tgt Ion:202 Resp: 300545

Ion Ratio Lower Upper

202 100

101 15.7 0.0 31.2

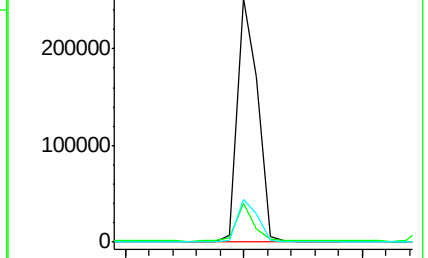
203 17.6 0.0 38.1



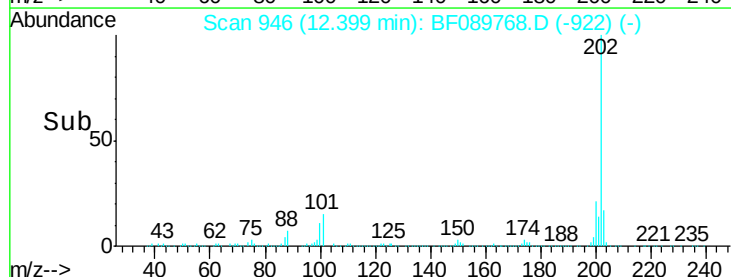
Abundance Ion 202.00 (201.70 to 202.70): E

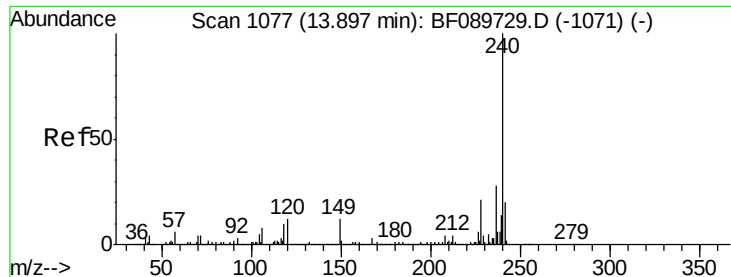
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.30 12.40 12.50





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

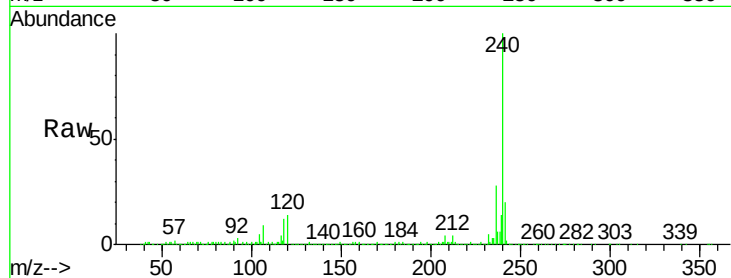
Tgt Ion:240 Resp: 2014586

Ion Ratio Lower Upper

240 100

120 13.7 8.3 12.5#

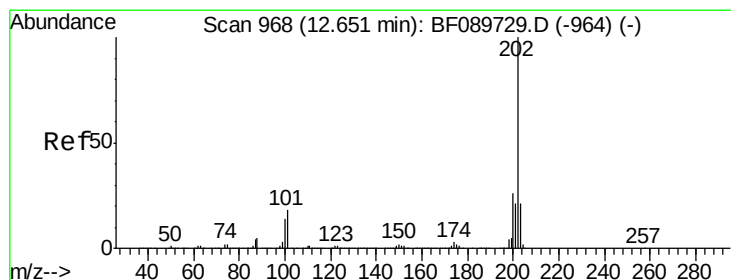
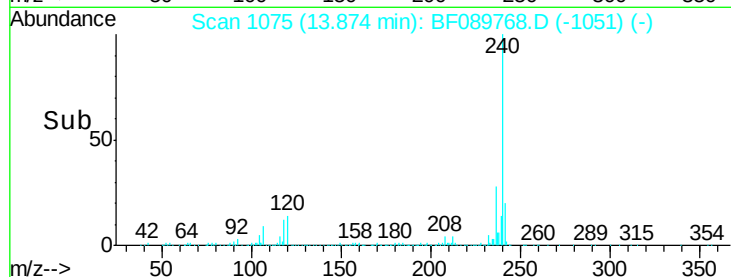
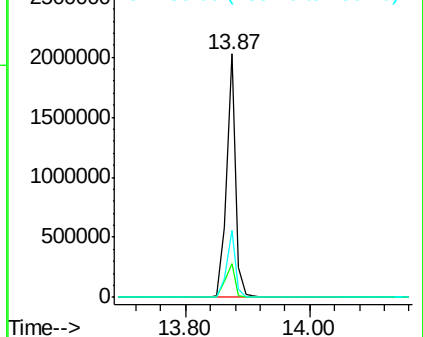
236 27.7 21.3 31.9



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: 2.13 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

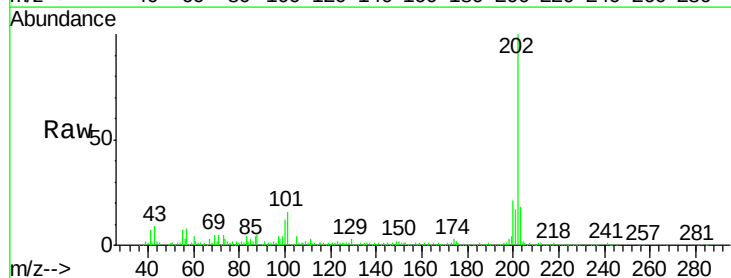
Tgt Ion:202 Resp: 281415

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

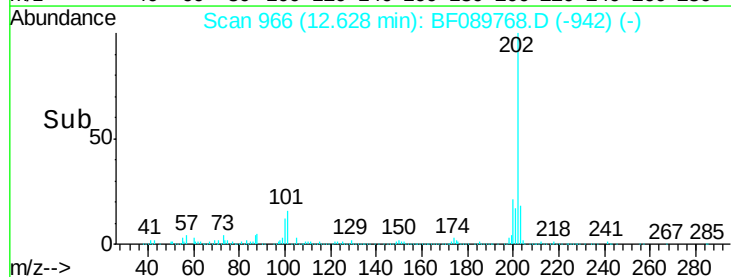
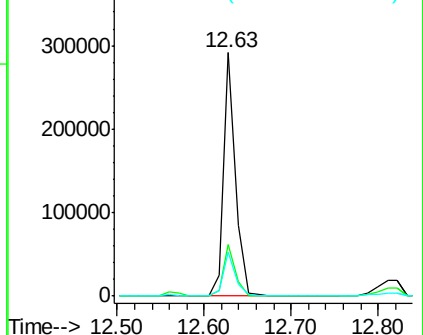
203 18.0 14.2 21.4

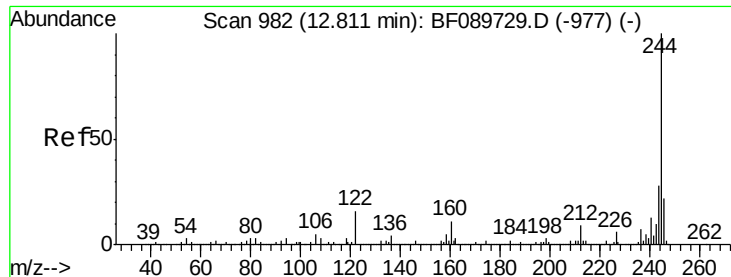


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 129.22 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

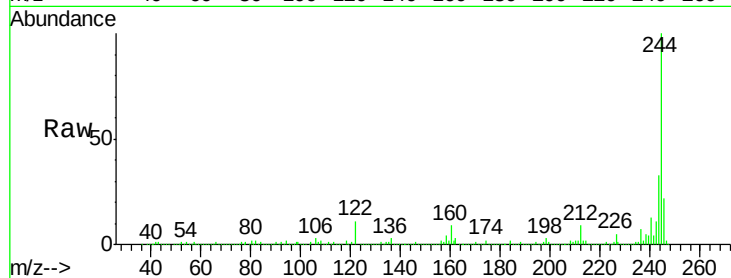
Tgt Ion:244 Resp: 8713826

Ion Ratio Lower Upper

244 100

212 9.0 6.3 9.5

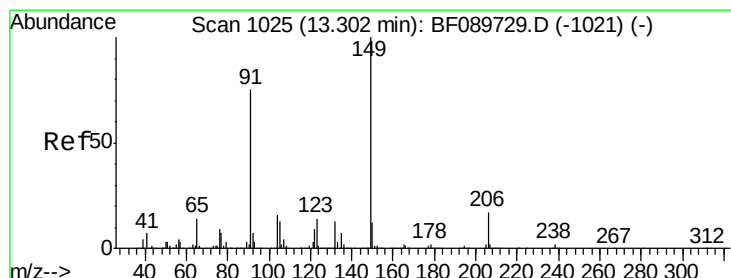
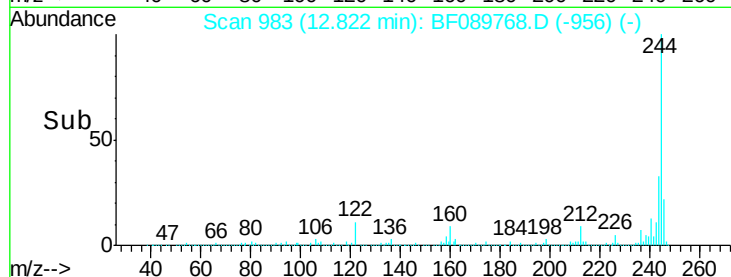
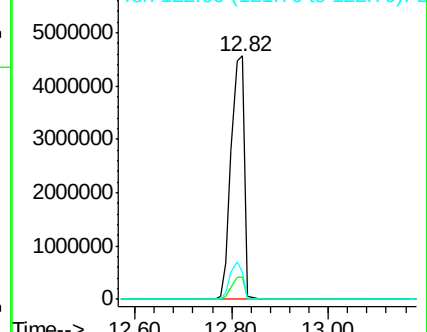
122 11.4 12.0 18.0#



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



#79

Butylbenzylphthalate

Concen: 2.95 ng

RT: 13.29 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

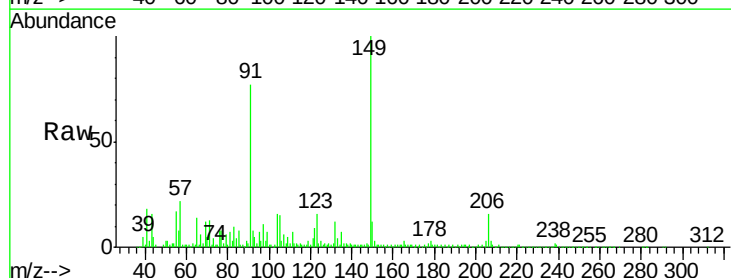
Tgt Ion:149 Resp: 195005

Ion Ratio Lower Upper

149 100

91 76.9 50.7 76.1#

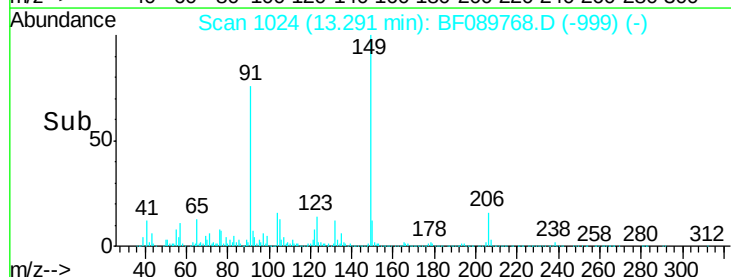
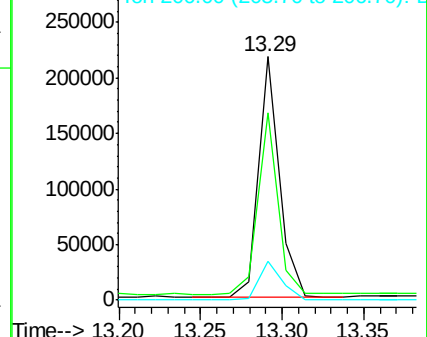
206 15.9 15.5 23.3

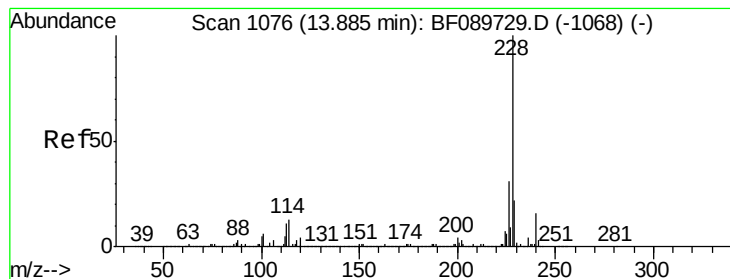


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.62 ng

RT: 13.90 min Scan# 1077

Delta R.T. 0.01 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

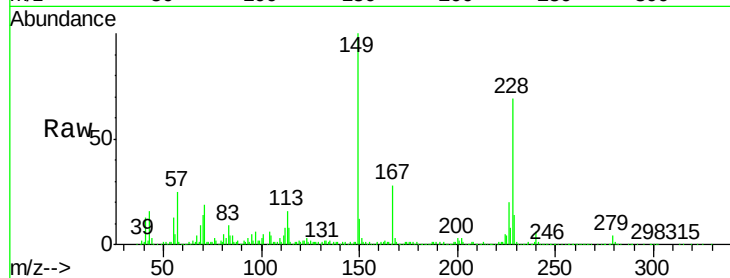
Tgt Ion:228 Resp: 306459

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

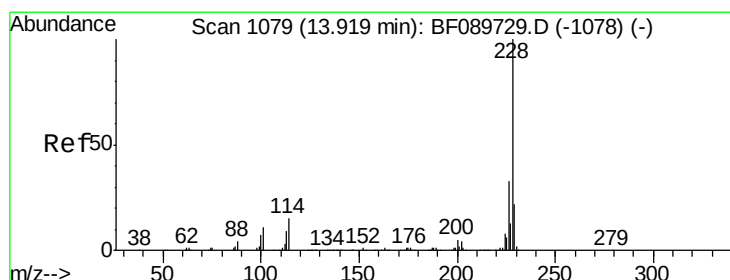
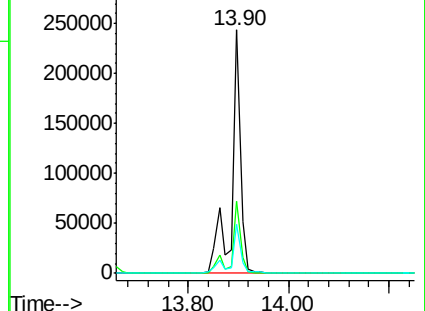
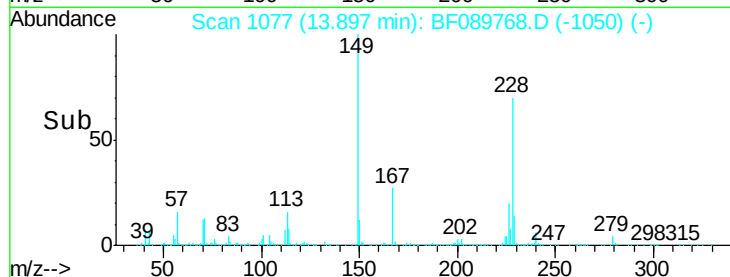
229 20.0 16.2 24.4



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: 2.91 ng

RT: 13.90 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BF089768.D

Acq: 17 Aug 2016 17:40

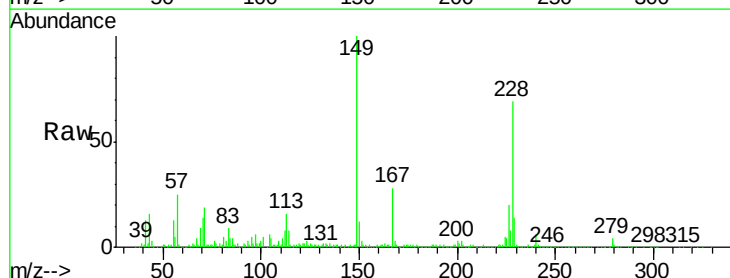
Tgt Ion:228 Resp: 306459

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

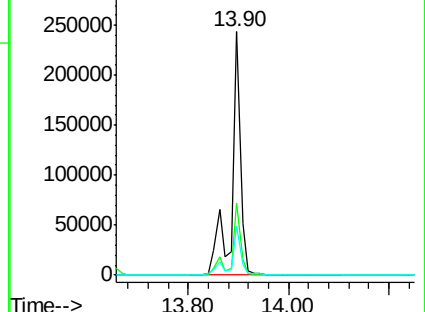
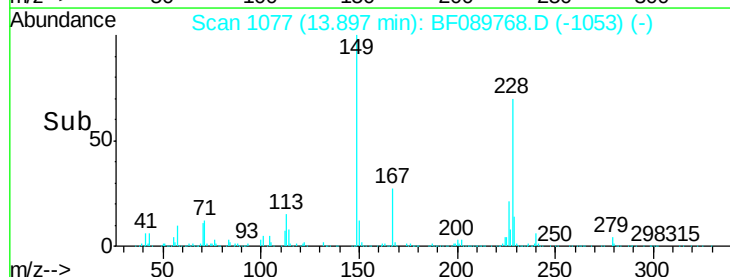
229 20.0 16.5 24.7

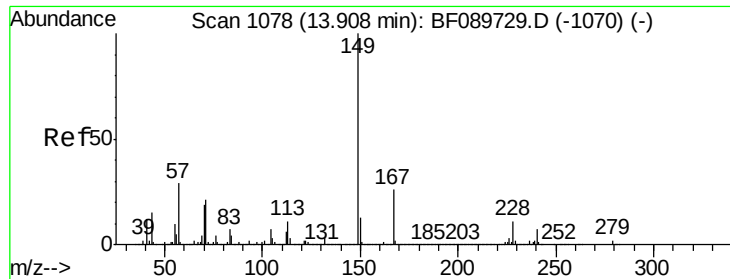


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

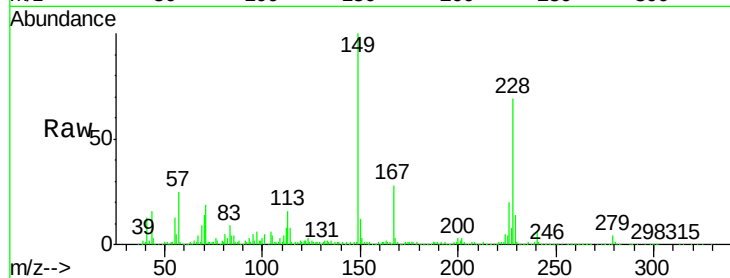




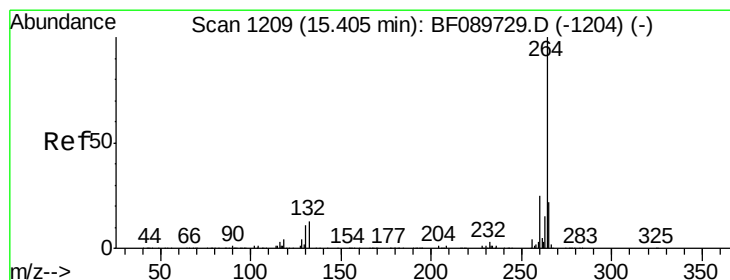
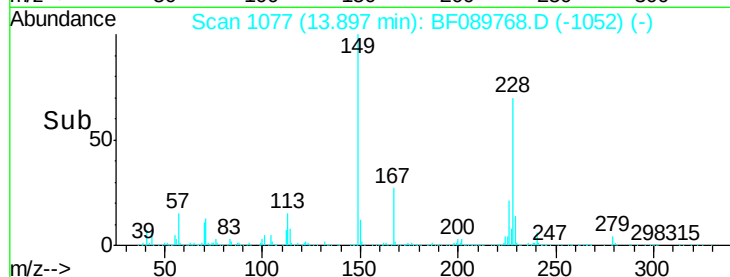
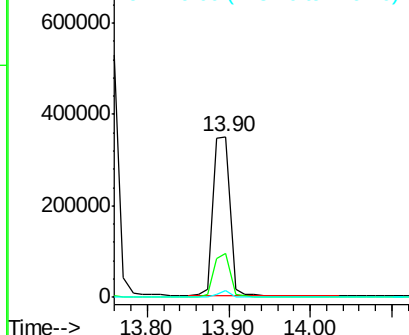
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.77 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF089768.D
 Acq: 17 Aug 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Tgt Ion:149 Resp: 504872
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.2 31.8
 279 4.1 2.9 4.3

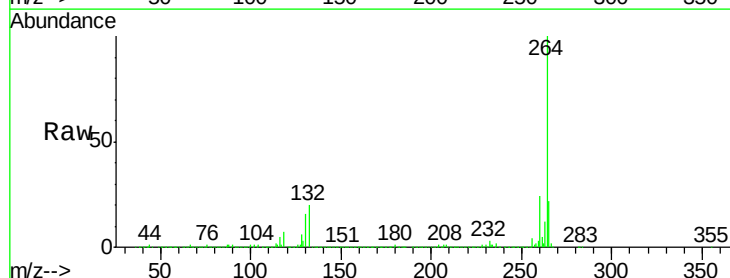


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. -0.06 min
 Lab File: BF089768.D
 Acq: 17 Aug 2016 17:40

Tgt Ion:264 Resp: 1681116
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.2
 265 22.4 17.4 26.2



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

