

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089868.D
 Acq On : 24 Aug 2016 12:30
 Operator : UM/SJ
 Sample : H4551-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 24 18:40:17 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

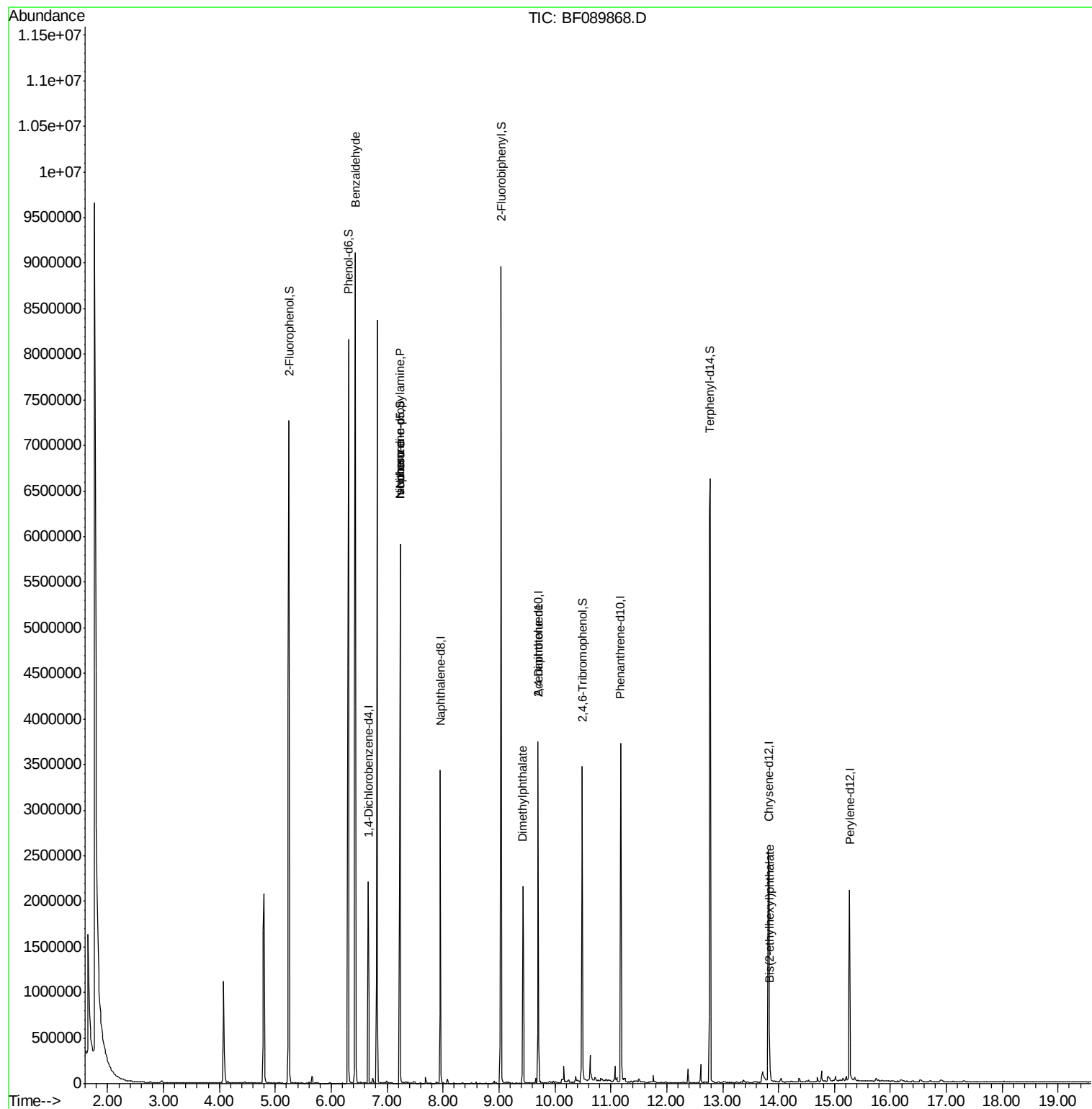
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	363877	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	1538204	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	704734	20.00	ng	-0.03
63) Phenanthrene-d10	11.18	188	1296058	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	1087256	20.00	ng	-0.07
86) Perylene-d12	15.27	264	877148	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2576016	118.12	ng	-0.03
7) Phenol-d6	6.31	99	3589745	129.41	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2014311	79.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	618613	90.74	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	3525525	80.27	ng	-0.03
78) Terphenyl-d14	12.78	244	3125799	85.89	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	63496	3.45	ng	87
19) n-Nitroso-di-n-propylamine	7.23	70	272551	15.00	ng	# 72
25) Isophorone	7.23	82	1474149	29.25	ng	# 67
49) Dimethylphthalate	9.43	163	932917	18.30	ng	100
56) 2,4-Dinitrotoluene	9.70	165	93700	6.32	ng	# 35
83) Bis(2-ethylhexyl)phthalate	13.84	149	362397	7.67	ng	# 95

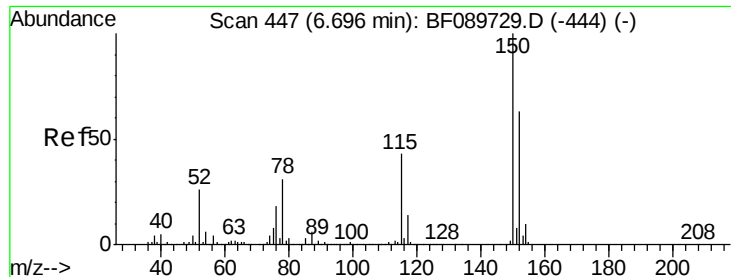
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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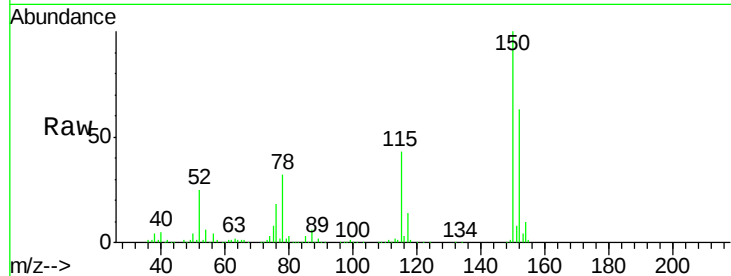


#1

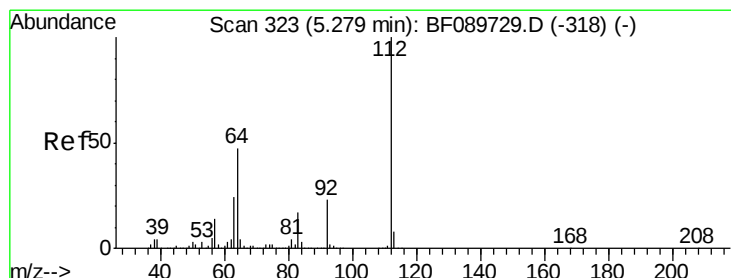
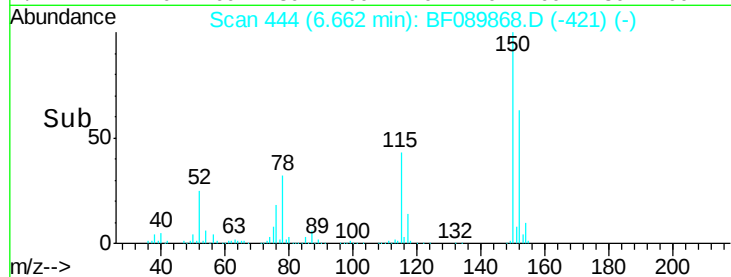
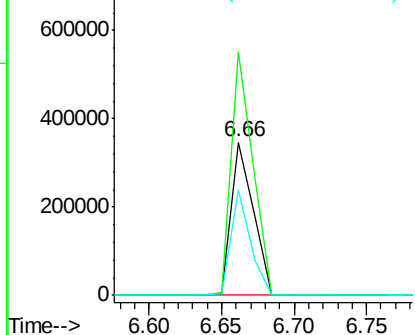
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 444
 Delta R.T. -0.03 min
 Lab File: BF089868.D
 Acq: 24 Aug 2016 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 363877
 Ion Ratio Lower Upper
 152 100
 150 159.0 125.3 187.9
 115 68.9 40.9 61.3#



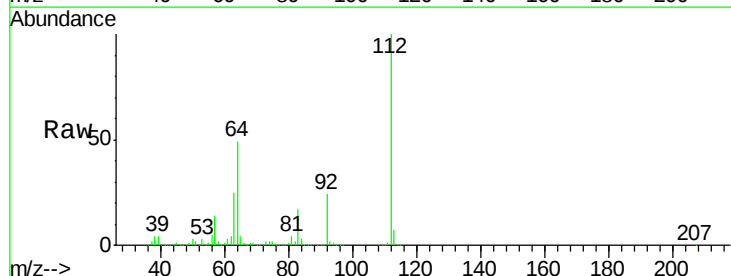
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



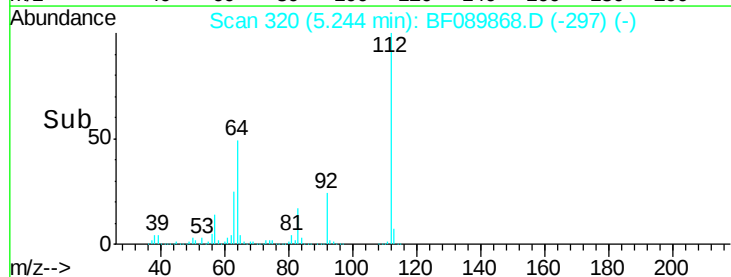
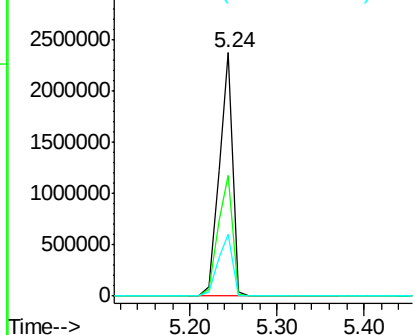
#5

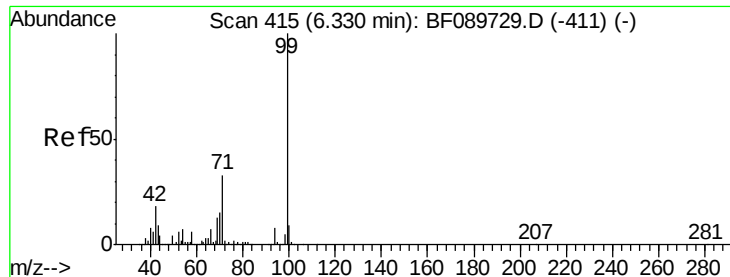
2-Fluorophenol
 Concen: 118.12 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.03 min
 Lab File: BF089868.D
 Acq: 24 Aug 2016 12:30

Tgt Ion:112 Resp: 2576016
 Ion Ratio Lower Upper
 112 100
 64 49.5 45.0 67.4
 63 25.3 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: 129.41 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

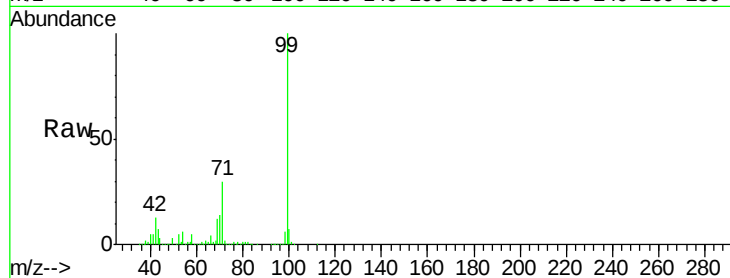
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 3589745

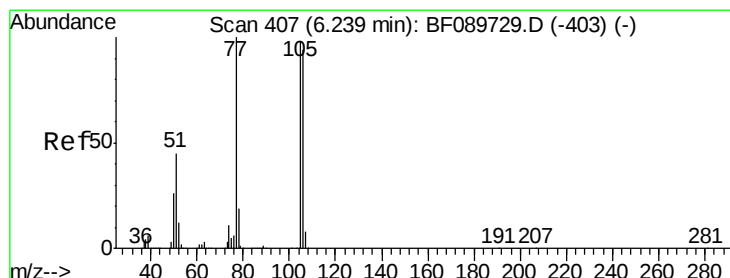
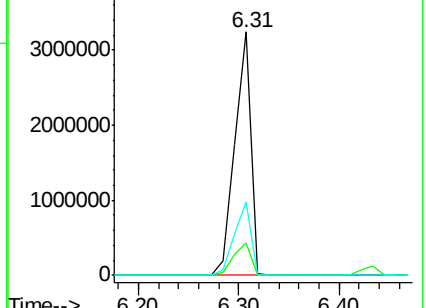
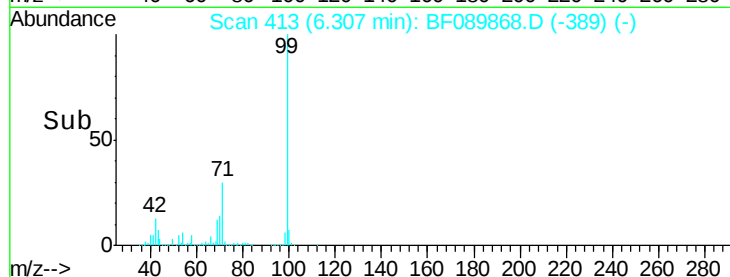
Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.2	18.4
71	30.2	23.8	35.8



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: 3.45 ng

RT: 6.43 min Scan# 424

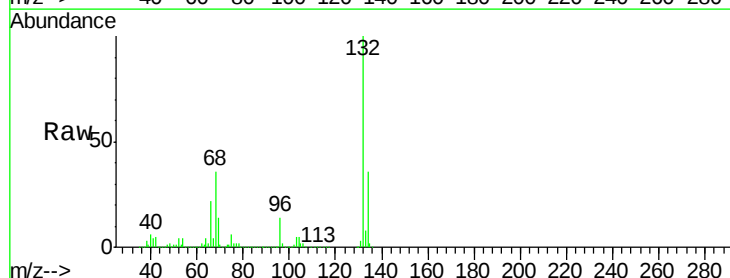
Delta R.T. 0.19 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

Tgt Ion: 77 Resp: 63496

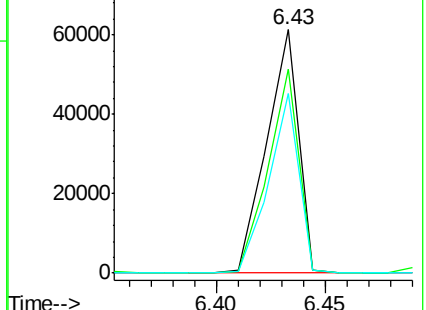
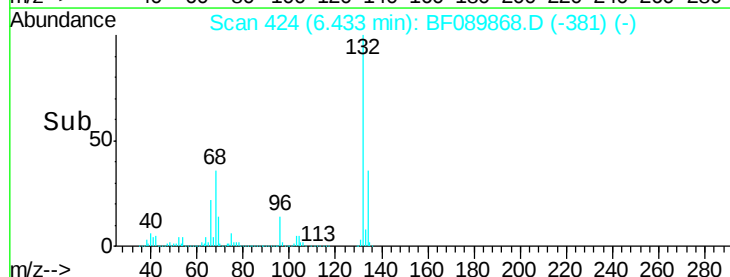
Ion	Ratio	Lower	Upper
77	100		
105	83.5	73.3	113.3
106	73.7	68.6	108.6

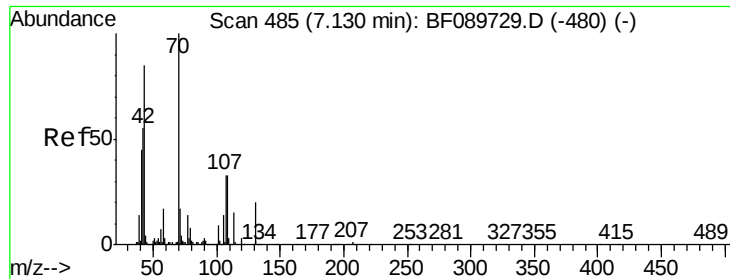


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

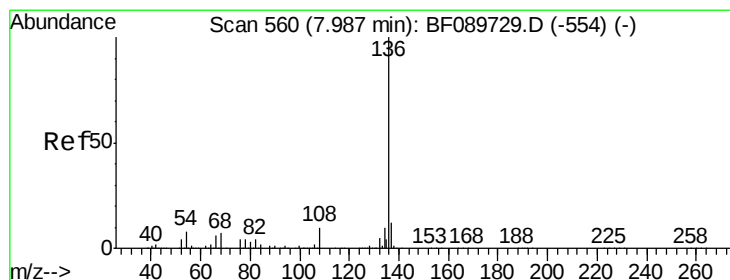
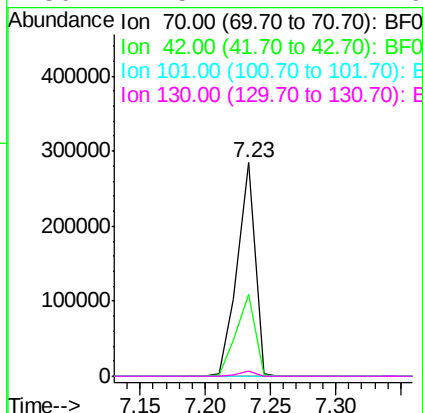
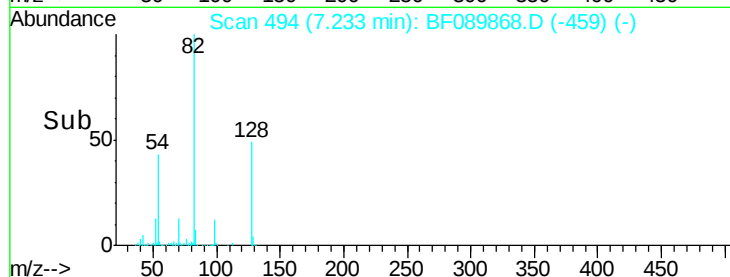
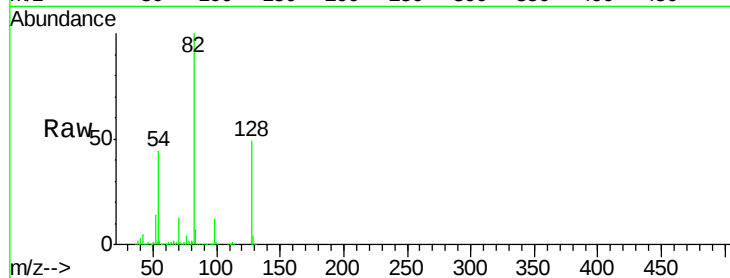




#19
n-Nitroso-di-n-propylamine
Concen: 15.00 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.10 min
Lab File: BF089868.D
Acq: 24 Aug 2016 12:30

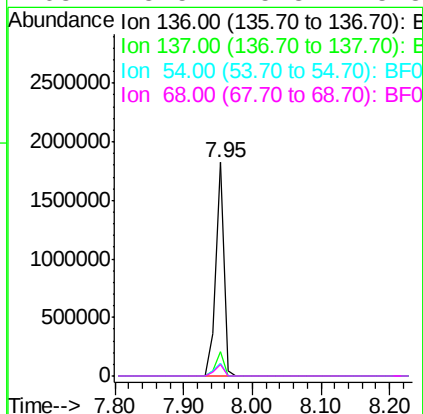
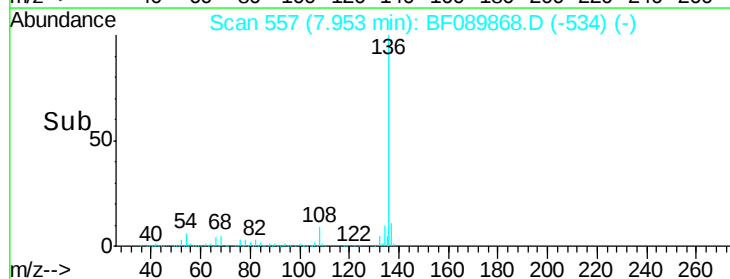
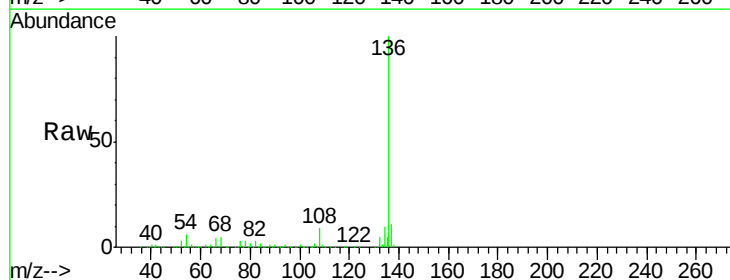
Instrument :
BNA_F
ClientSampleId :

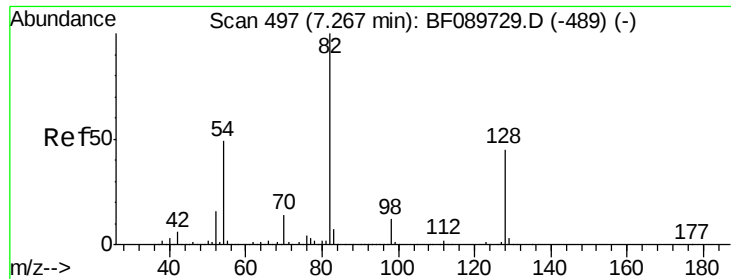
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.3	46.3	69.5#
101	0.0	7.0	10.6#
130	2.5	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.03 min
Lab File: BF089868.D
Acq: 24 Aug 2016 12:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.8	7.2	10.8#
68	5.5	5.8	8.8#

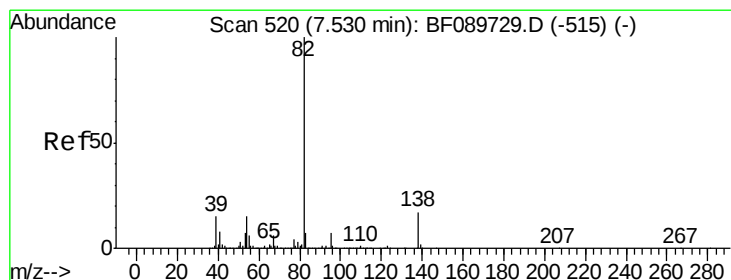
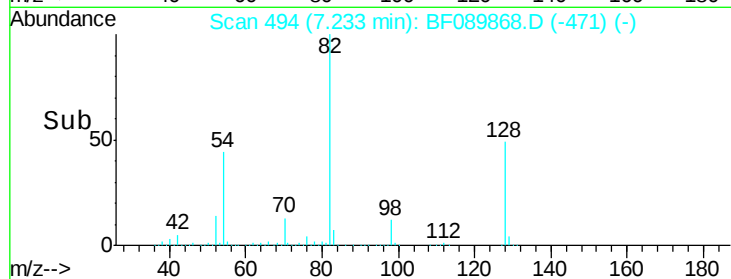
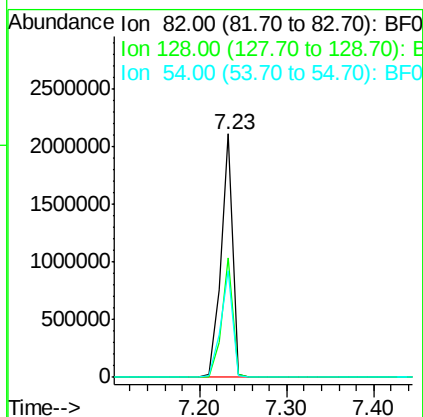
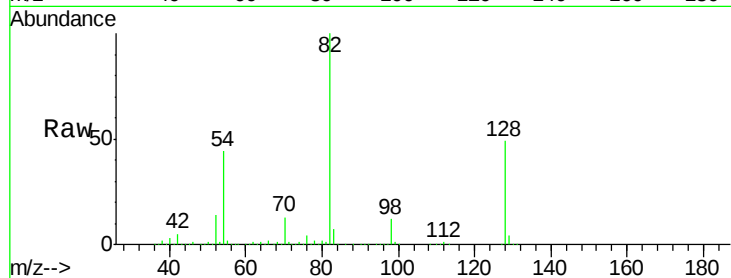




#23
Nitrobenzene-d5
Concen: 79.96 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.03 min
Lab File: BF089868.D
Acq: 24 Aug 2016 12:30

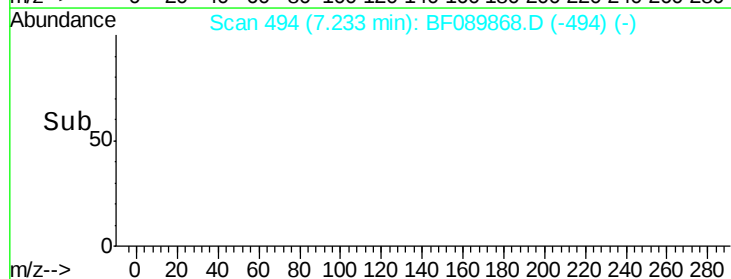
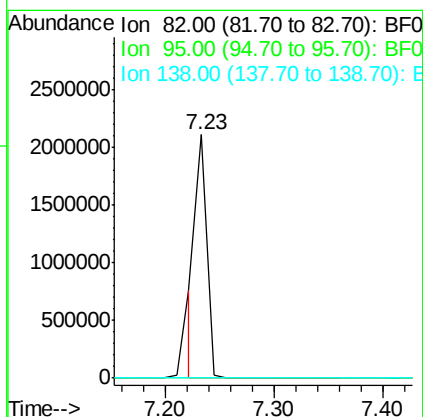
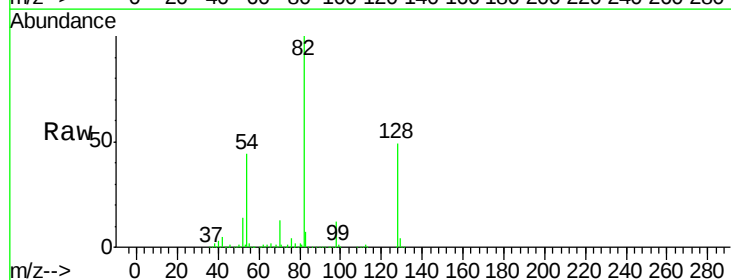
Instrument :
BNA_F
ClientSampleId :

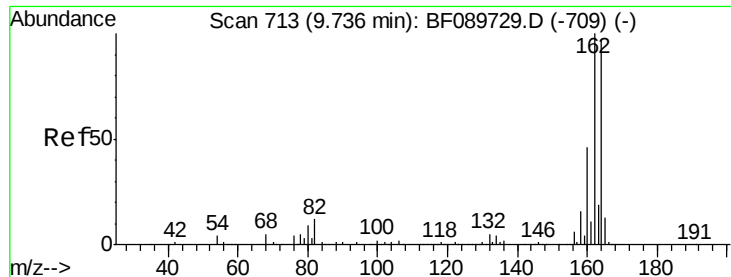
Tot Ion: 82 Resp: 2014311
Ion Ratio Lower Upper
82 100
128 49.1 34.4 51.6
54 43.7 40.3 60.5



#25
Isophorone
Concen: 29.25 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.30 min
Lab File: BF089868.D
Acq: 24 Aug 2016 12:30

Tgt Ion: 82 Resp: 1474149
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.0 19.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.03 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

Instrument :

BNA_F

ClientSampled :

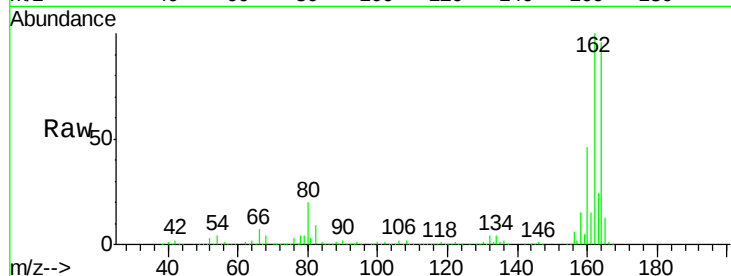
Tot Ion:164 Resp: 704734

Ion Ratio Lower Upper

164 100

162 104.3 81.4 122.2

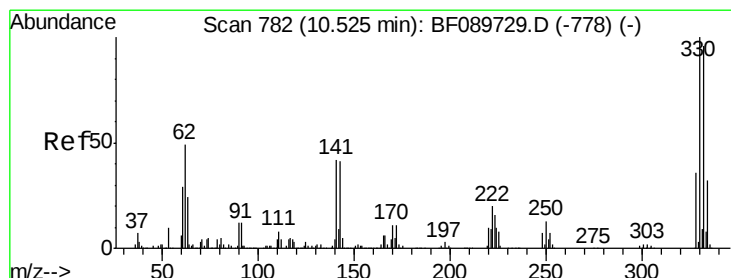
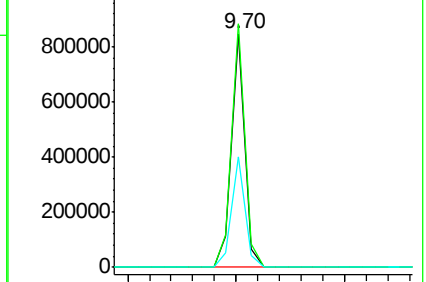
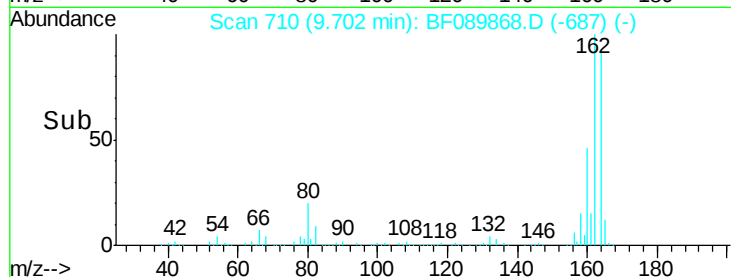
160 47.5 37.8 56.6



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: 90.74 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.03 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

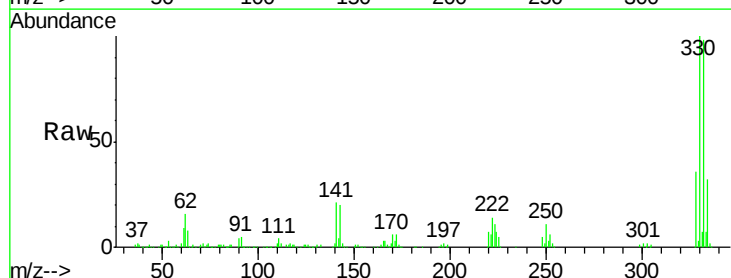
Tgt Ion:330 Resp: 618613

Ion Ratio Lower Upper

330 100

332 97.5 76.7 115.1

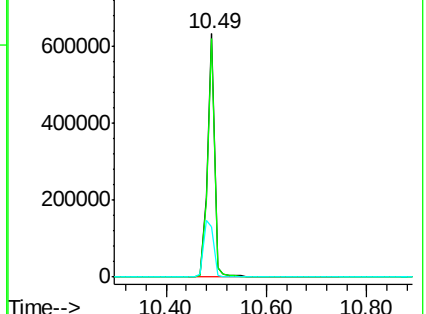
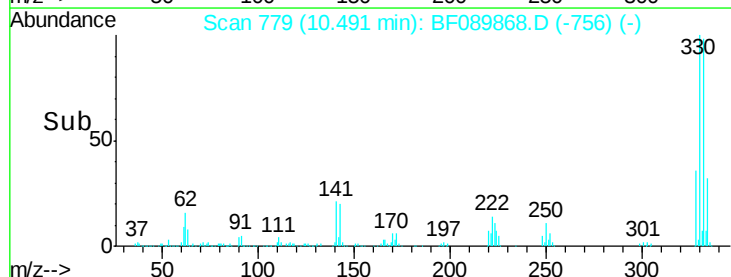
141 33.3 30.2 45.2

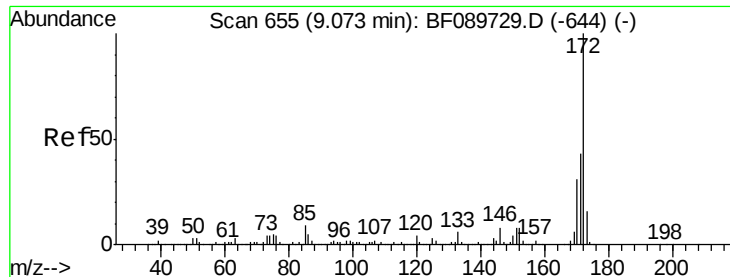


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.27 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.03 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

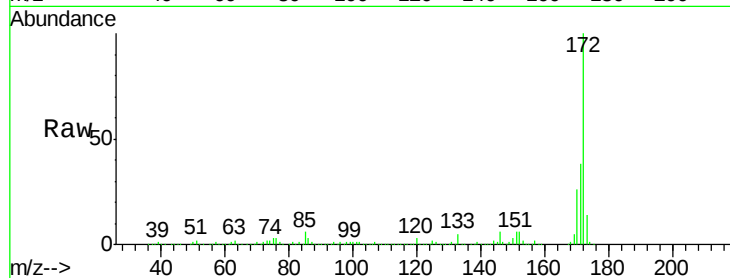
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 3525525

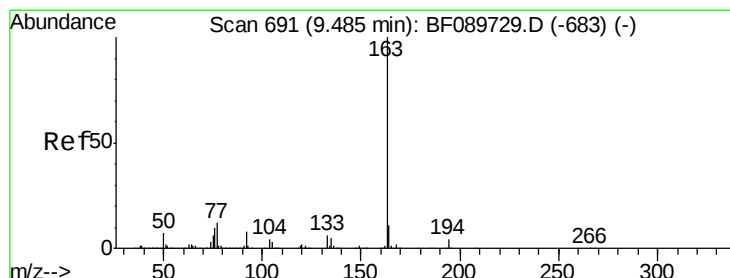
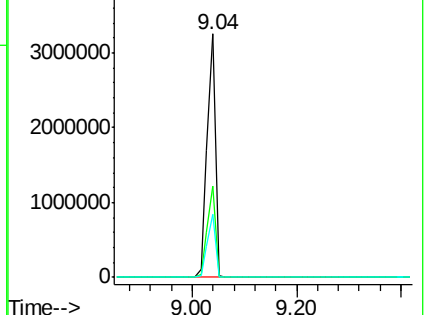
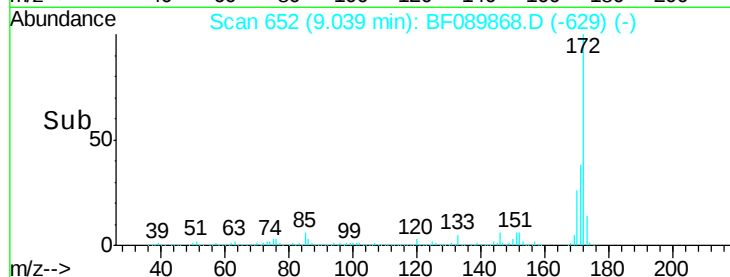
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	26.2	20.6	31.0



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



#49

Dimethylphthalate

Concen: 18.30 ng

RT: 9.43 min Scan# 686

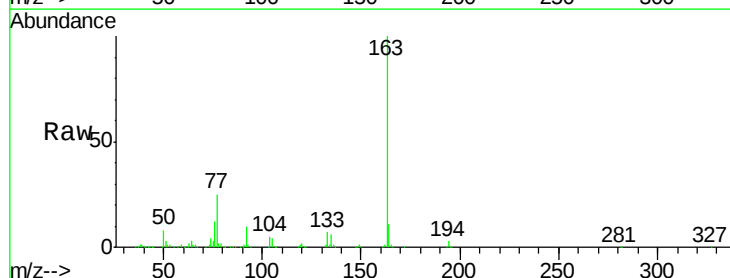
Delta R.T. -0.06 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

Tgt Ion:163 Resp: 932917

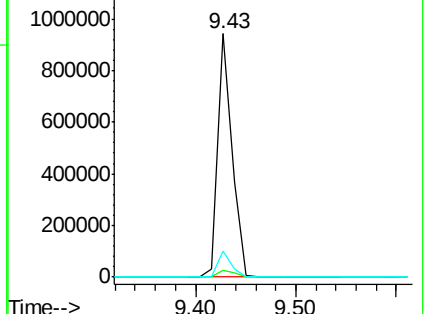
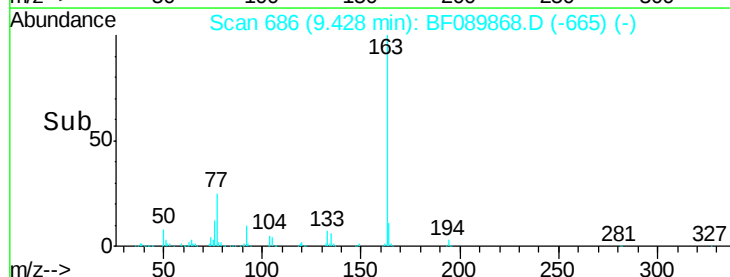
Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	3.8
164	10.7	8.6	12.8

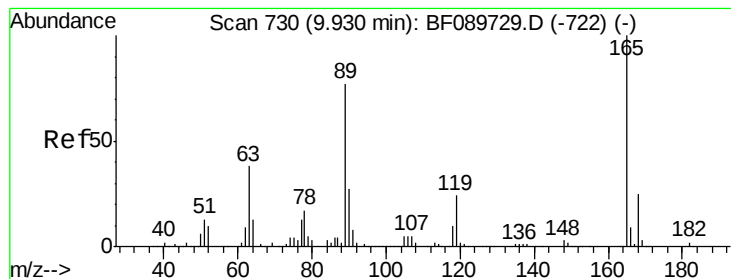


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

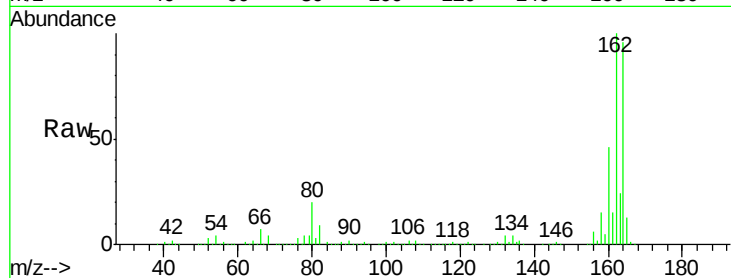




#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.23 min
 Lab File: BF089868.D
 Acq: 24 Aug 2016 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	23.7	35.5#
89	1.1	44.0	66.0#
182	0.0	2.0	3.0#

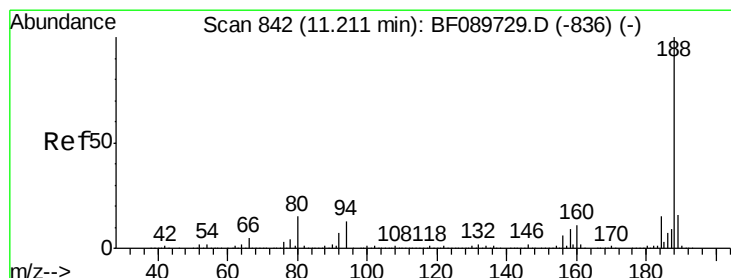
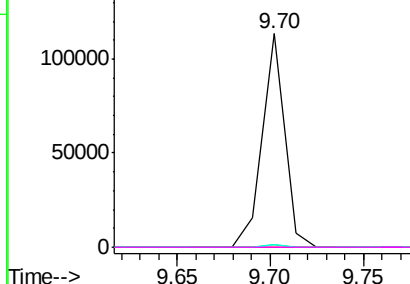
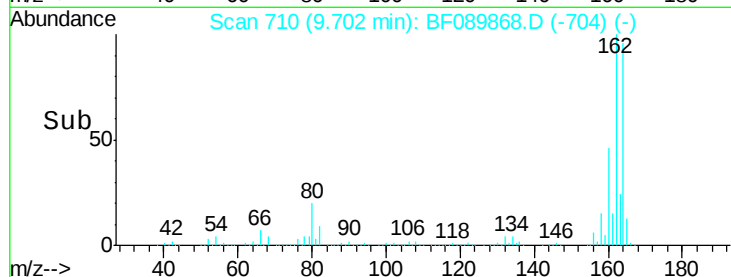


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

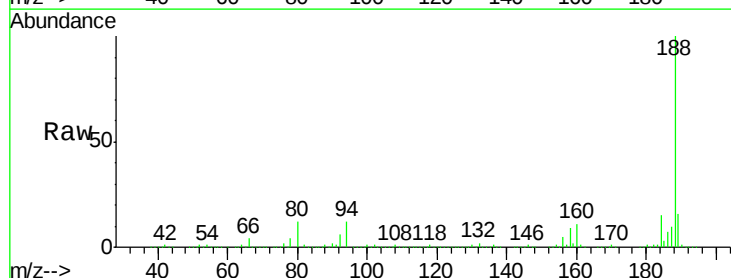
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.03 min
 Lab File: BF089868.D
 Acq: 24 Aug 2016 12:30

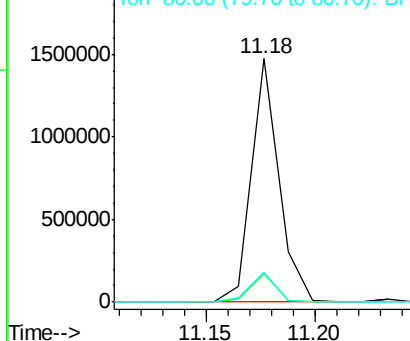
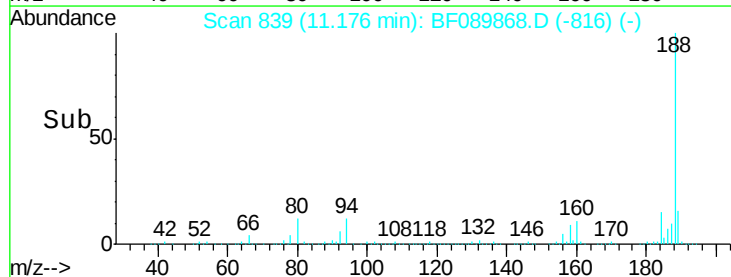
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.2	15.2
80	12.1	10.9	16.3

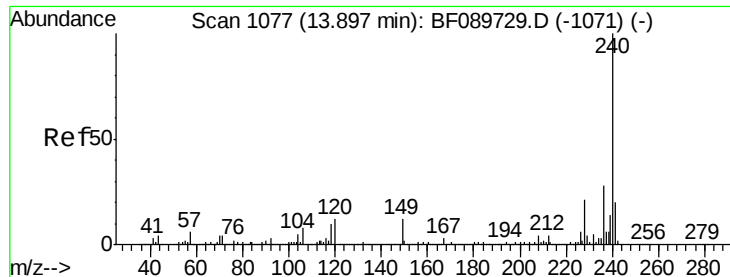


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.07 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

Instrument :

BNA_F

ClientSampleId :

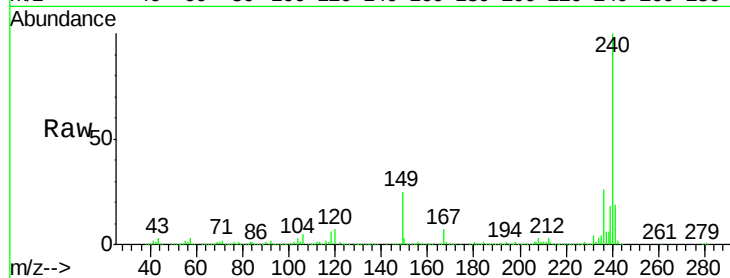
Tot Ion:240 Resp: 1087256

Ion Ratio Lower Upper

240 100

120 7.3 8.3 12.5#

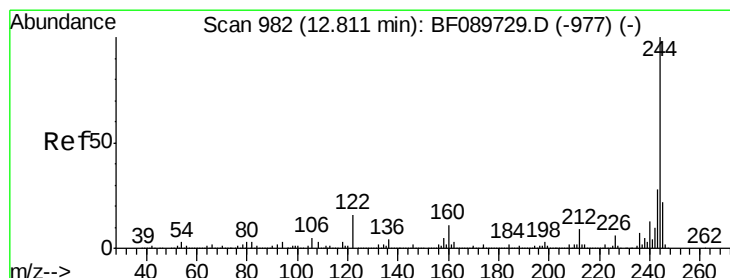
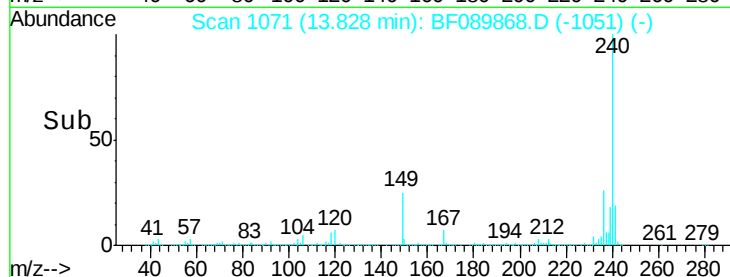
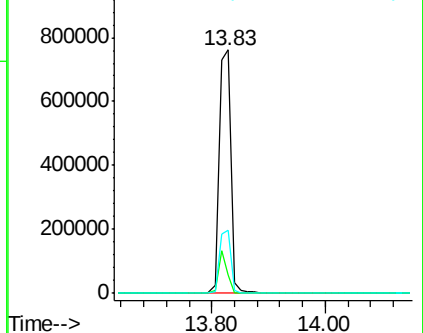
236 25.7 21.3 31.9



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



#78

Terphenyl-d14

Concen: 85.89 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.03 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

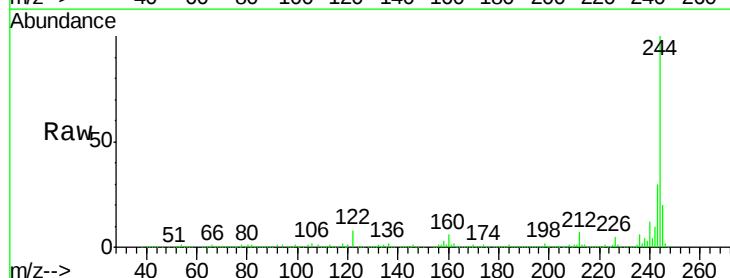
Tgt Ion:244 Resp: 3125799

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

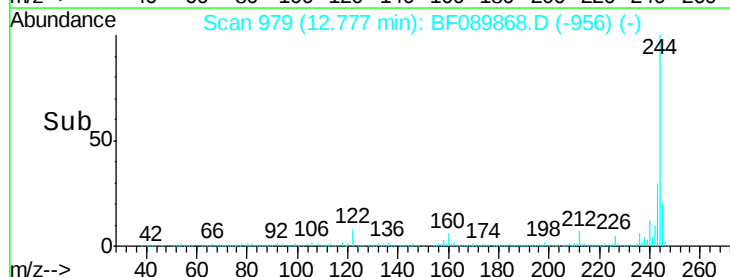
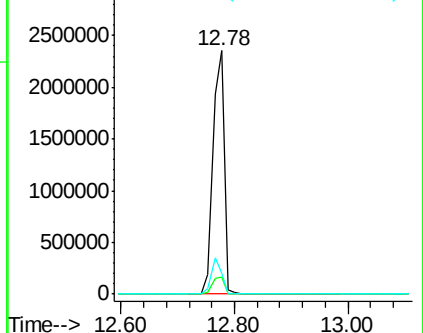
122 8.4 12.0 18.0#

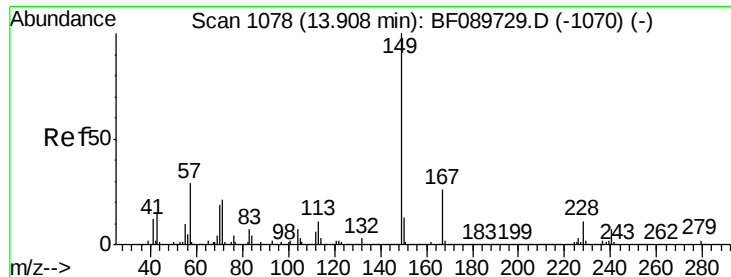


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.67 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.07 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

Instrument :

BNA_F

ClientSampleId :

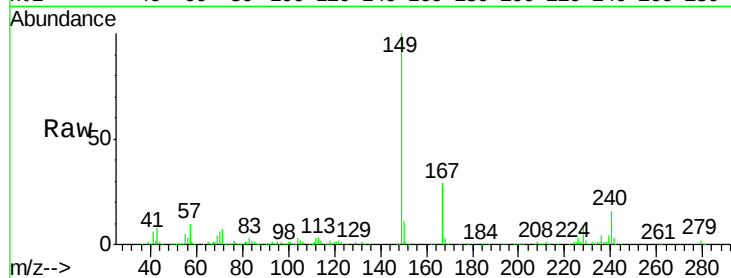
Tot Ion:149 Resp: 362397

Ion Ratio Lower Upper

149 100

167 28.8 21.2 31.8

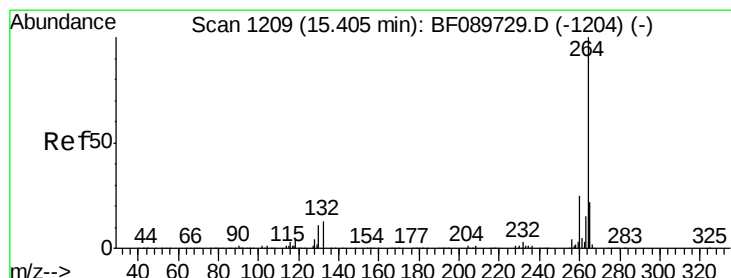
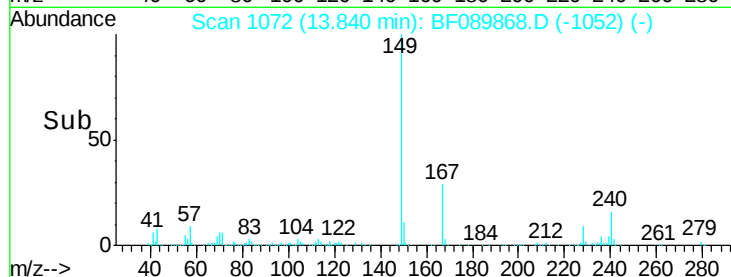
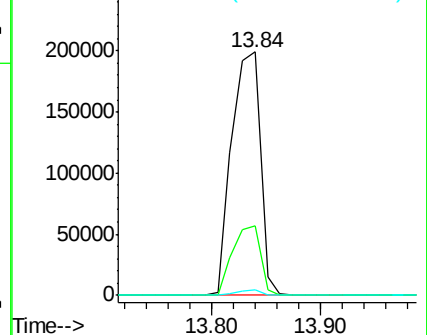
279 2.1 2.9 4.3#



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: 15.27 min Scan# 1197

Delta R.T. -0.14 min

Lab File: BF089868.D

Acq: 24 Aug 2016 12:30

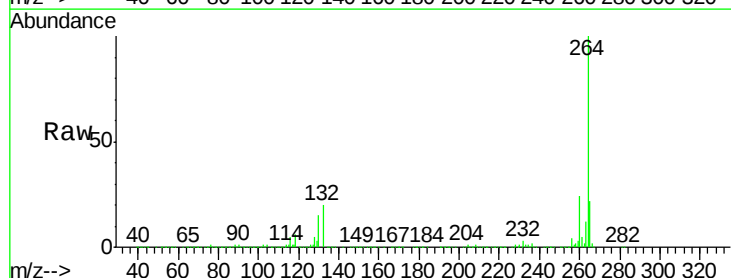
Tgt Ion:264 Resp: 877148

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.2

265 21.8 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

