

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089394.D
 Acq On : 29 Jul 2016 6:27
 Operator : UM/SJ
 Sample : H4149-06DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46CDL

Quant Time: Jul 29 07:07:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

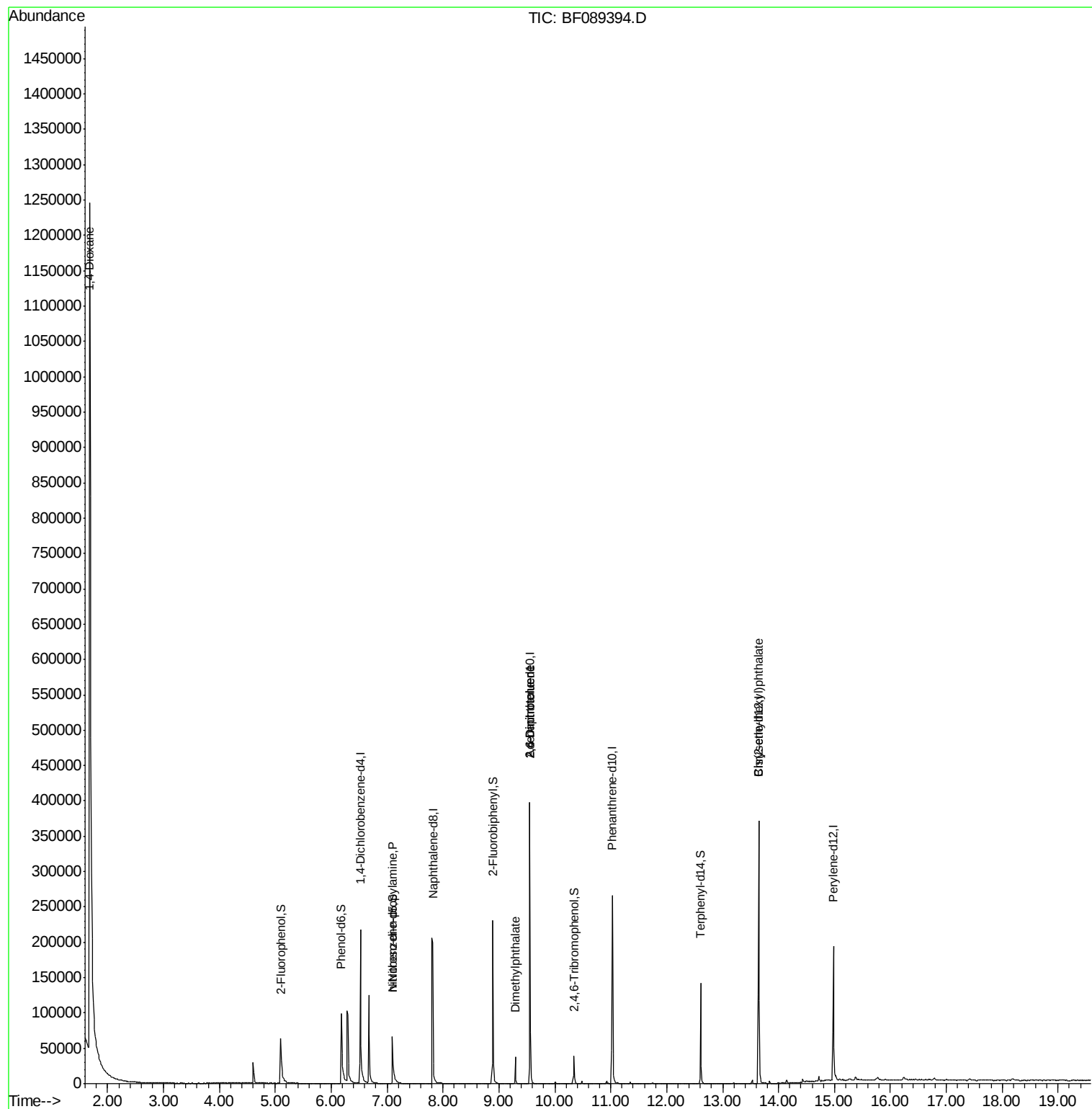
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	43748	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	171123	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	75916	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	113682	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	96278	20.00	ng	-0.02
86) Perylene-d12	14.98	264	83492	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	40390	14.74	ng	-0.01
7) Phenol-d6	6.18	99	69608	19.22	ng	-0.02
23) Nitrobenzene-d5	7.10	82	43028	14.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	6236	9.92	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	82029	15.86	ng	-0.02
78) Terphenyl-d14	12.61	244	48664	11.83	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	74900	62.29	ng	# 26
19) n-Nitroso-di-n-propylamine	7.10	70	4431	2.03	ng	# 79
49) Dimethylphthalate	9.29	163	16928	2.93	ng	100
50) 2,6-Dinitrotoluene	9.55	165	9490	7.99	ng	# 24
56) 2,4-Dinitrotoluene	9.55	165	9490	6.07	ng	# 7
83) Bis(2-ethylhexyl)phthalate	13.65	149	77746	16.21	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-46CDL

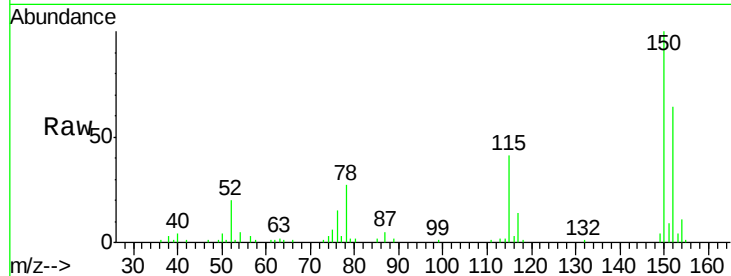
Tgt Ion:152 Resp: 43748

Ion Ratio Lower Upper

152 100

150 155.7 129.5 194.3

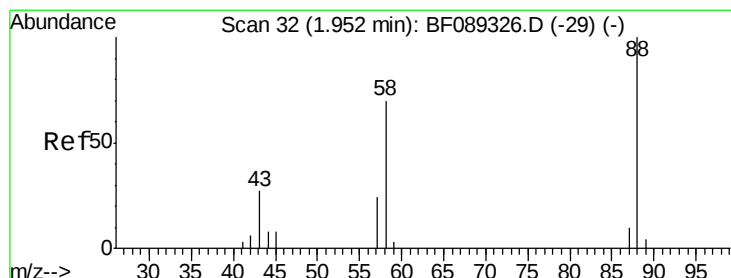
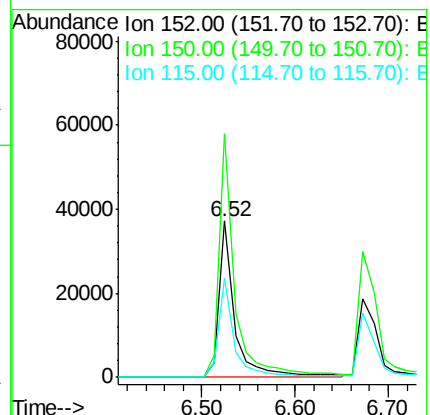
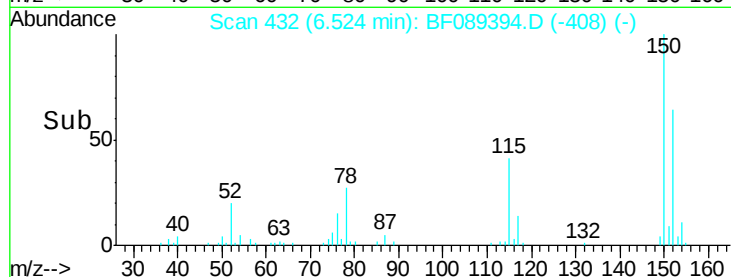
115 63.7 51.4 77.2



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: 62.29 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

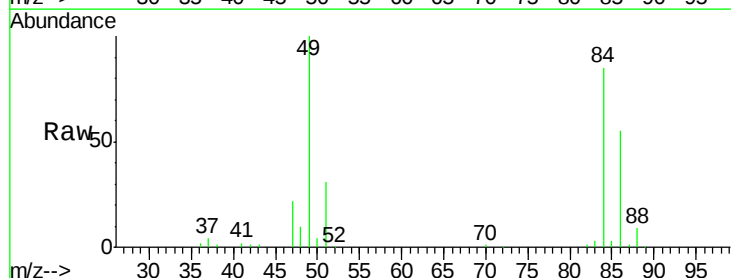
Tgt Ion: 88 Resp: 74900

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

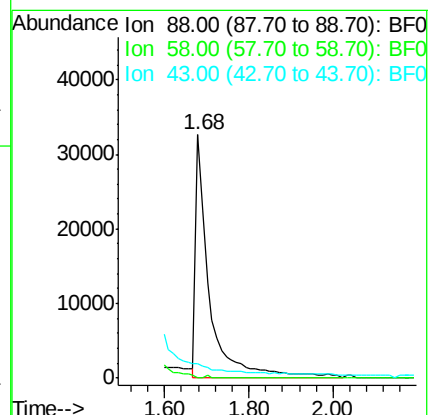
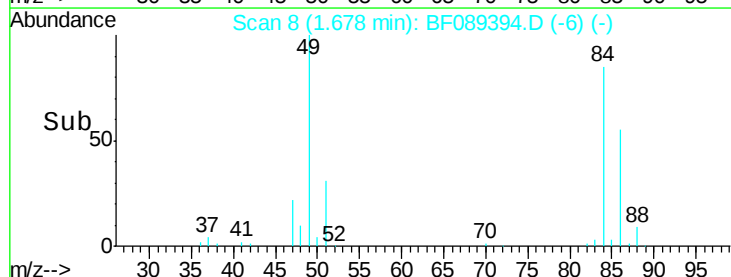
43 0.0 20.6 31.0#

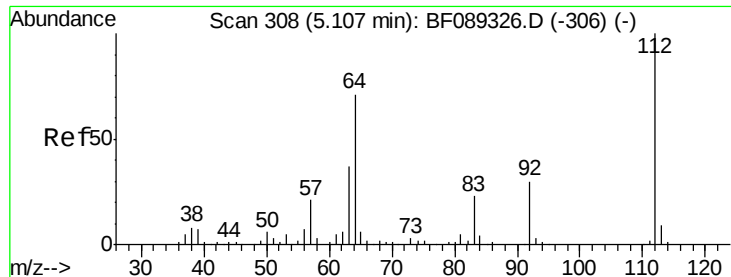


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 14.74 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-46CDL

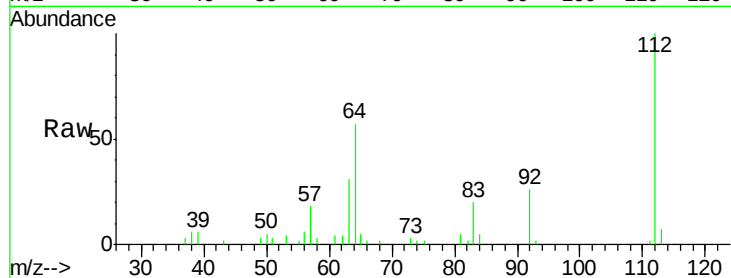
Tgt Ion: 112 Resp: 40390

Ion Ratio Lower Upper

112 100

64 56.8 55.0 82.6

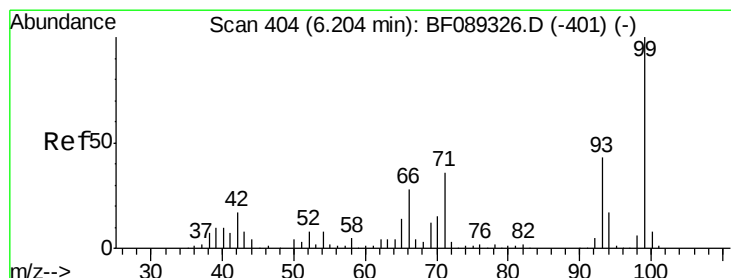
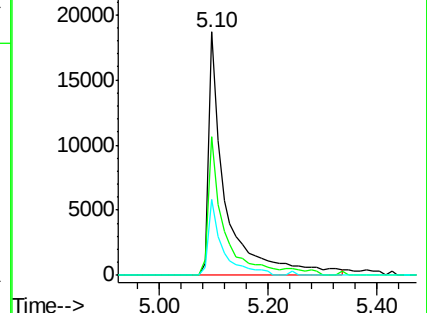
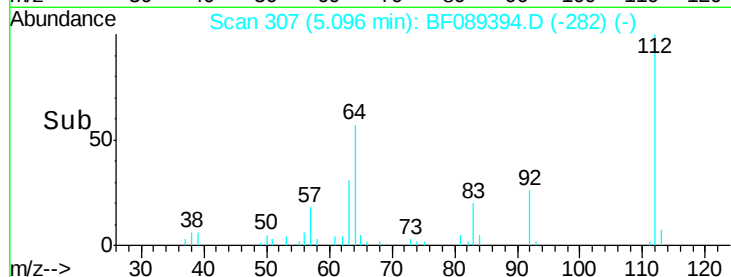
63 31.1 29.4 44.2



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: 19.22 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

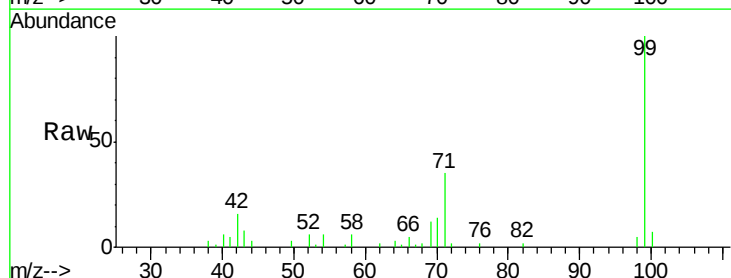
Tgt Ion: 99 Resp: 69608

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

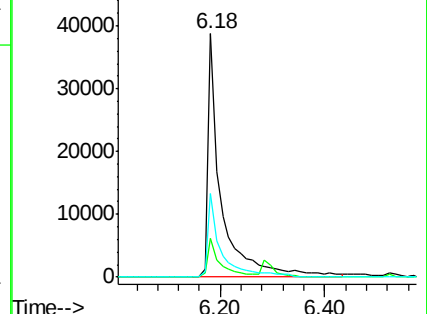
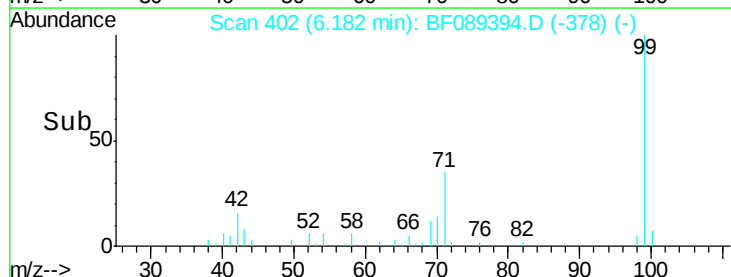
71 34.6 29.4 44.2

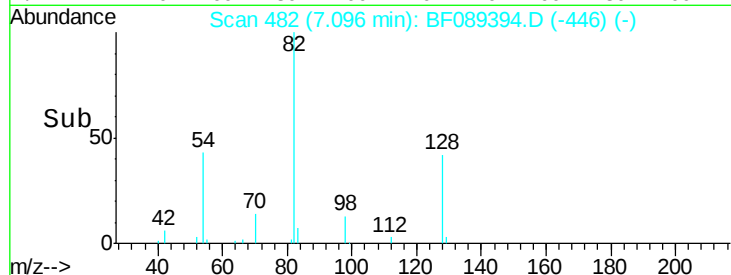
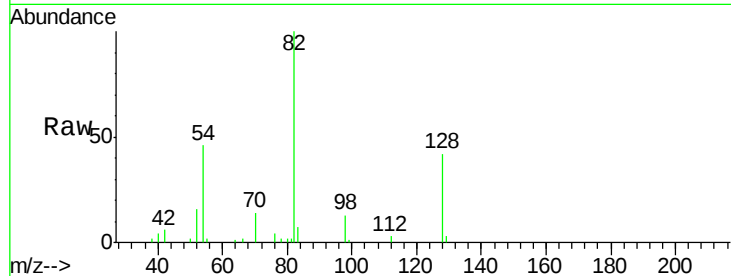
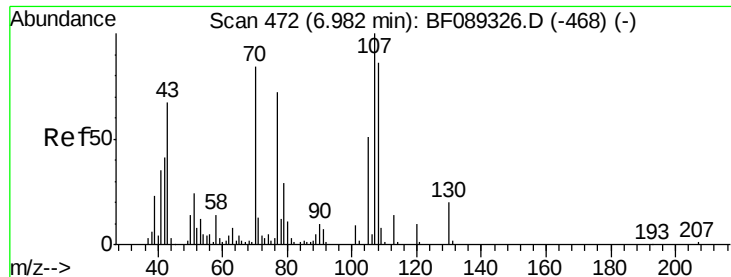


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

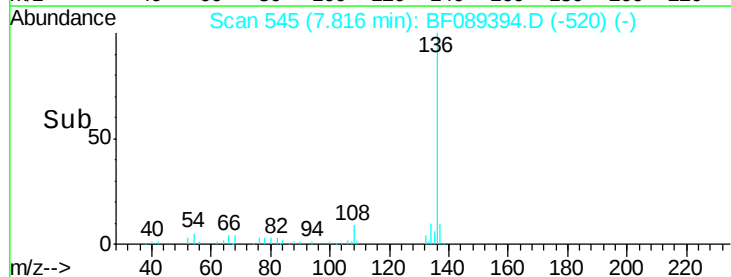
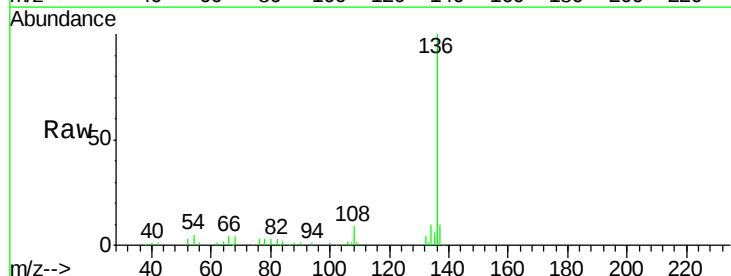
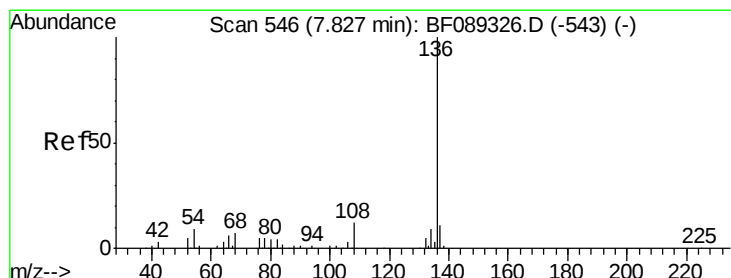
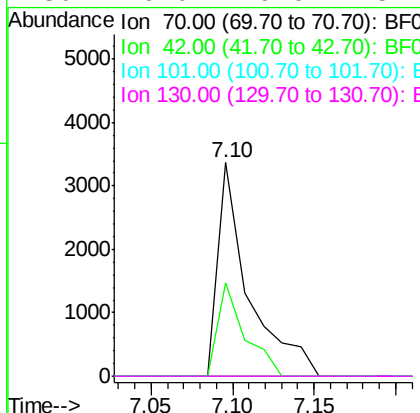




#19
n-Nitroso-di-n-propylamine
Concen: 2.03 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089394.D
Acq: 29 Jul 2016 6:27

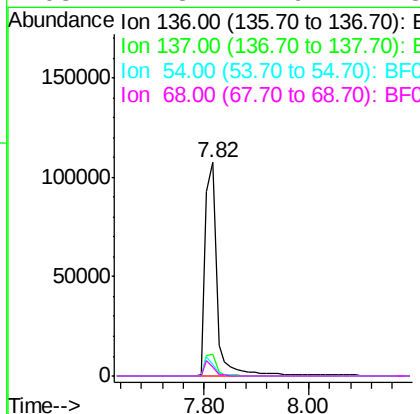
Instrument :
BNA_F
ClientSampleId :
LOCATION-46CDL

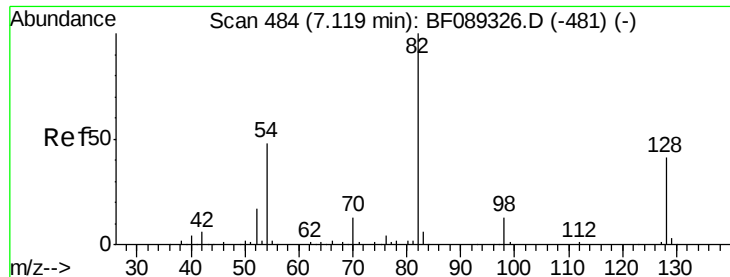
Tgt Ion: 70 Resp: 4431
Ion Ratio Lower Upper
70 100
42 43.9 38.6 57.8
101 0.0 8.3 12.5#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089394.D
Acq: 29 Jul 2016 6:27

Tgt Ion: 136 Resp: 171123
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 5.3 7.0 10.4#
68 4.3 4.9 7.3#

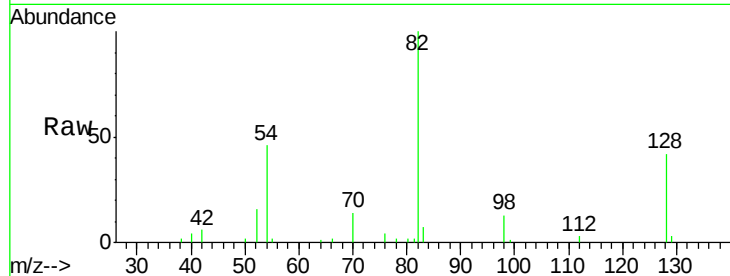




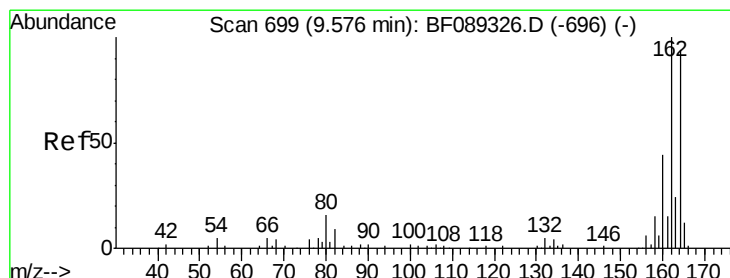
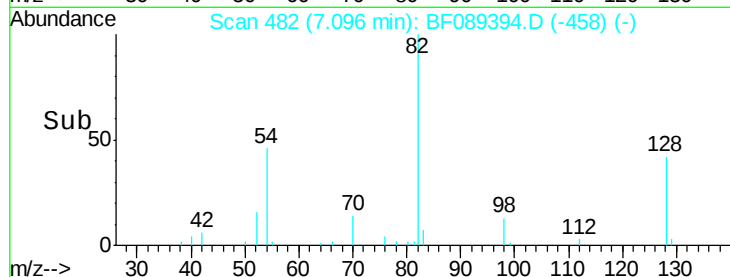
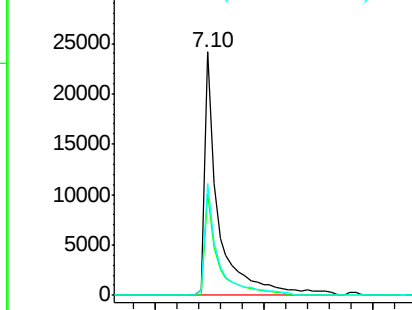
#23
 Nitrobenzene-d5
 Concen: 14.84 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46CDL

Tgt Ion: 82 Resp: 43028
 Ion Ratio Lower Upper
 82 100
 128 41.7 32.5 48.7
 54 45.8 38.8 58.2

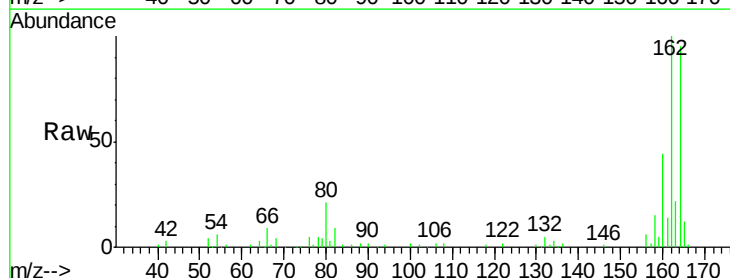


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

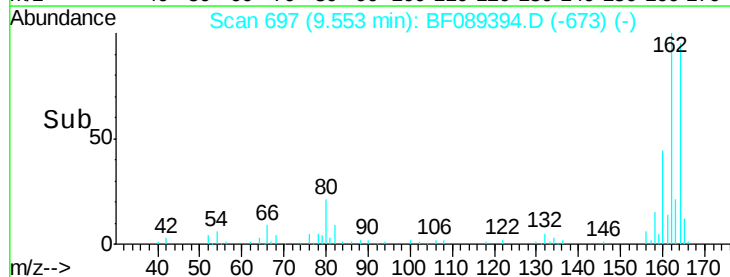
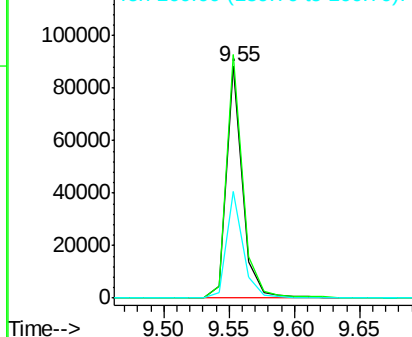


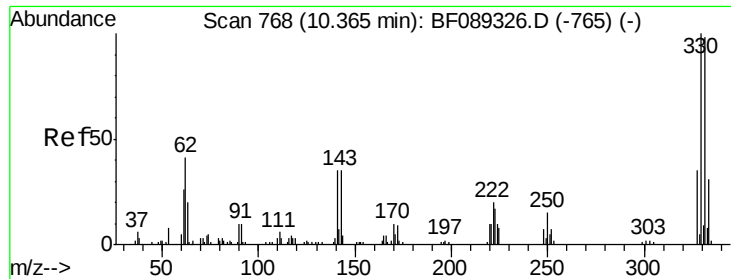
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

Tgt Ion: 164 Resp: 75916
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.7 125.5
 160 46.2 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

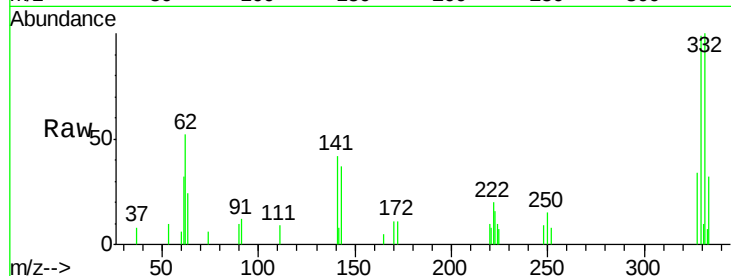




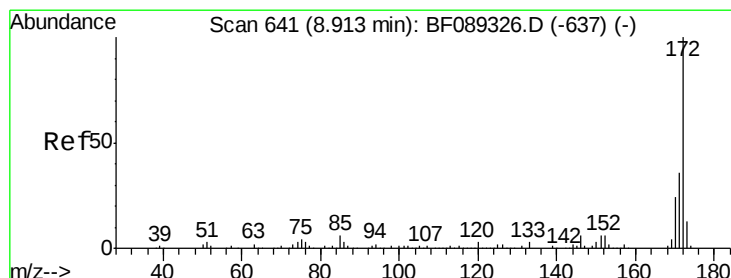
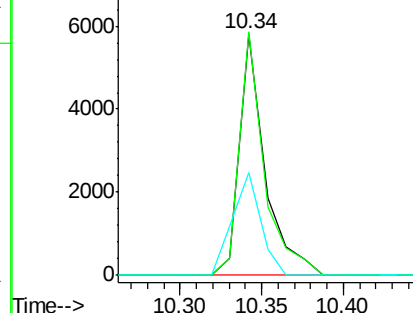
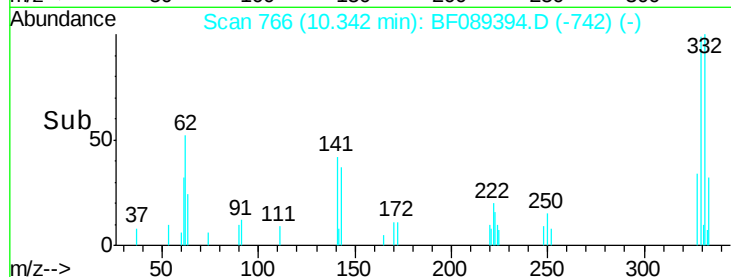
#41
 2,4,6-Tribromophenol
 Concen: 9.92 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-46CDL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.8	115.2
141	47.0	37.3	55.9

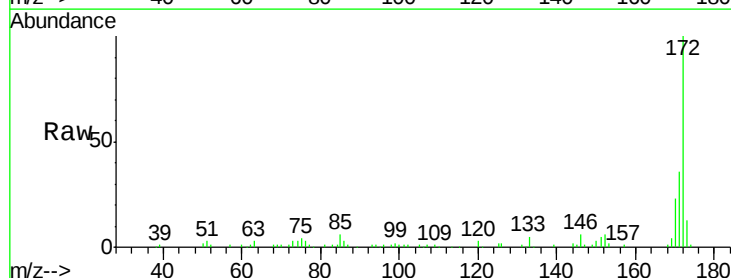


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

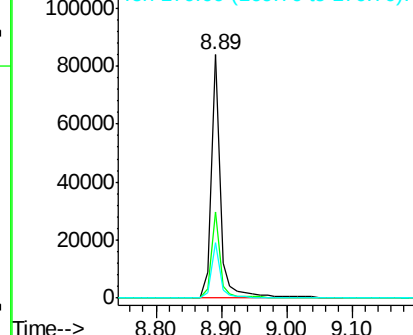
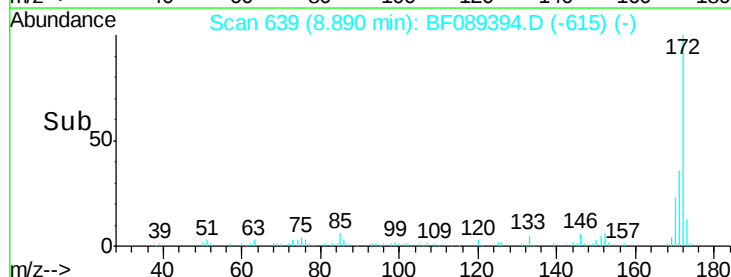


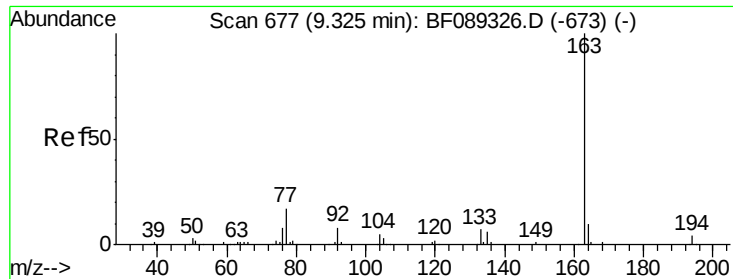
#44
 2-Fluorobiphenyl
 Concen: 15.86 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	22.6	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

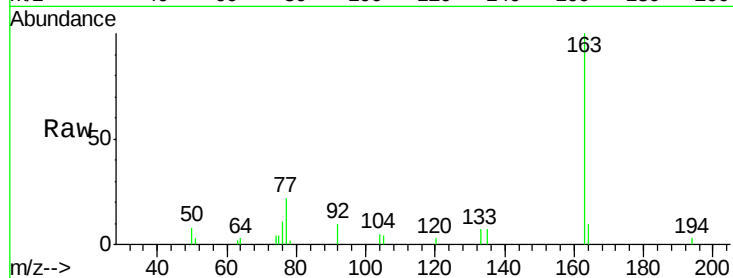




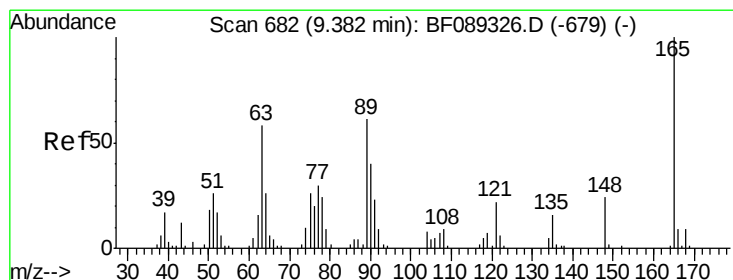
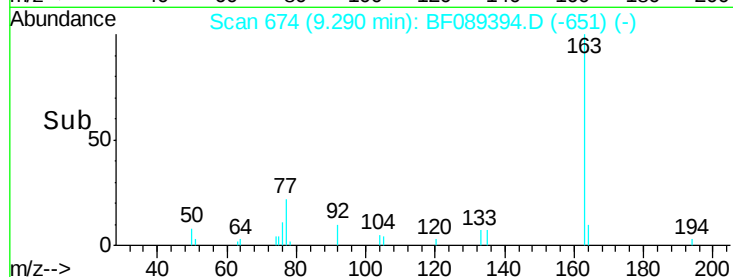
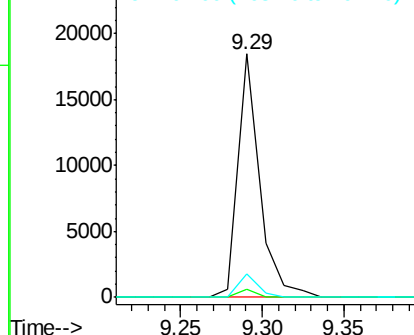
#49
Dimethylphthalate
Concen: 2.93 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089394.D
Acq: 29 Jul 2016 6:27

Instrument :
BNA_F
ClientSampleId :
LOCATION-46CDL

Tgt Ion:163 Resp: 16928
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.9 7.8 11.8

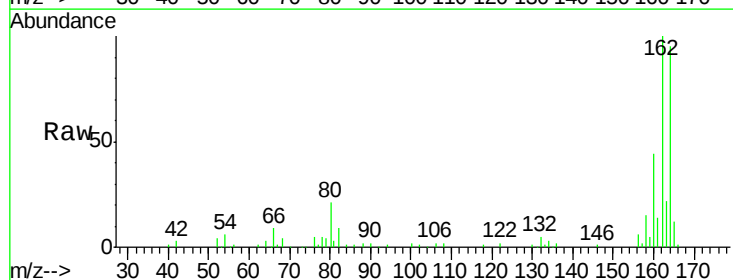


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

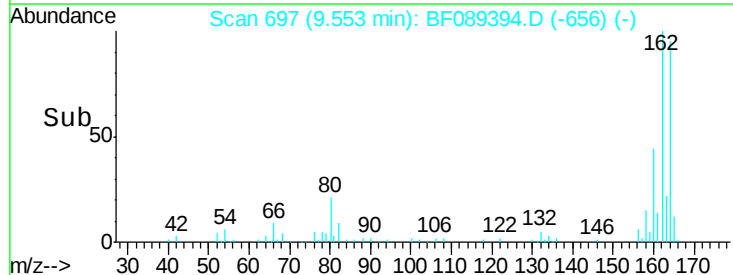
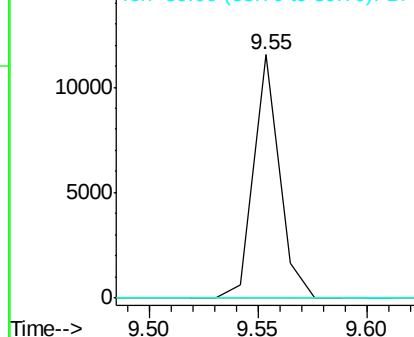


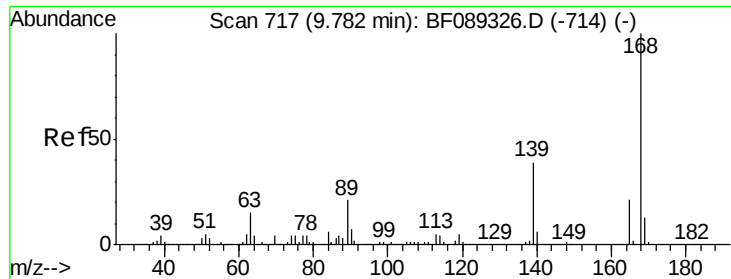
#50
2,6-Dinitrotoluene
Concen: 7.99 ng
RT: 9.55 min Scan# 697
Delta R.T. 0.17 min
Lab File: BF089394.D
Acq: 29 Jul 2016 6:27

Tgt Ion:165 Resp: 9490
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 45.0 67.4#



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

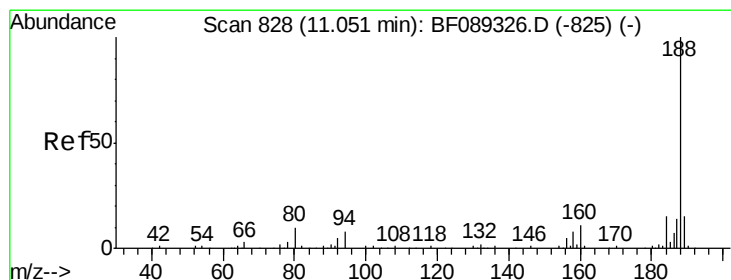
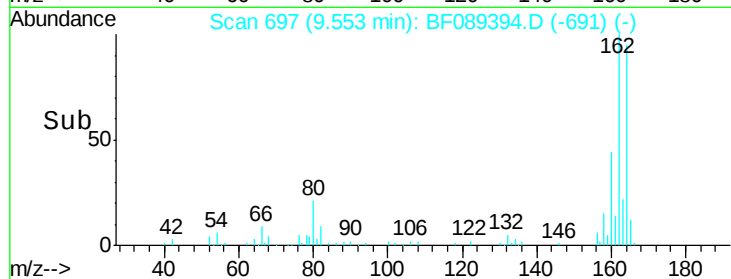
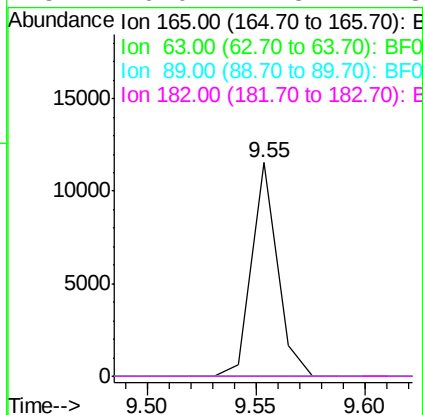
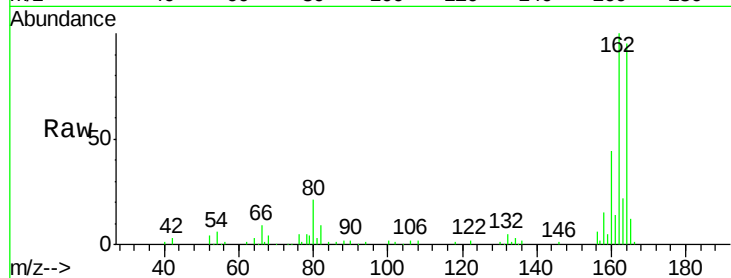




#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

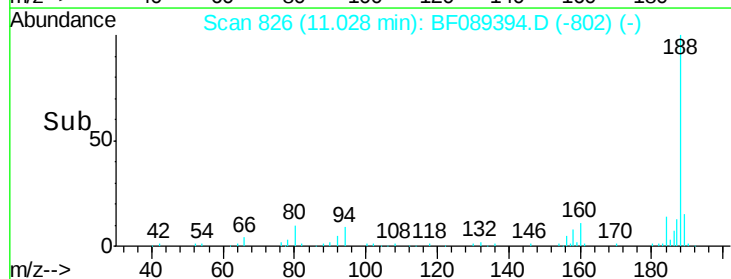
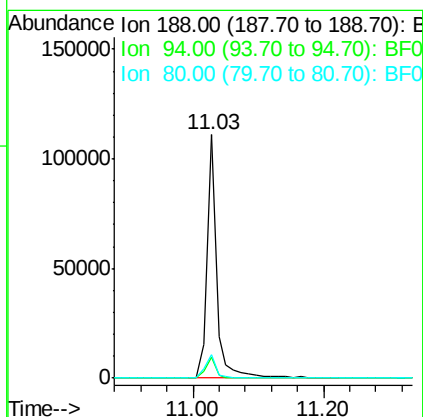
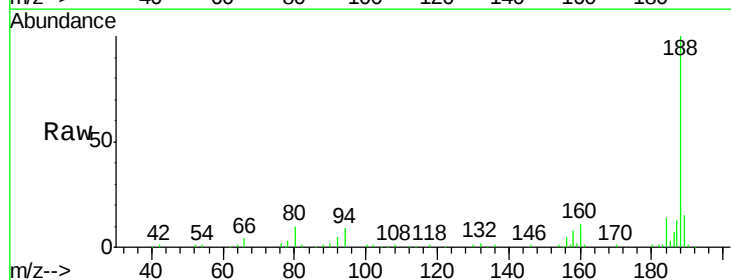
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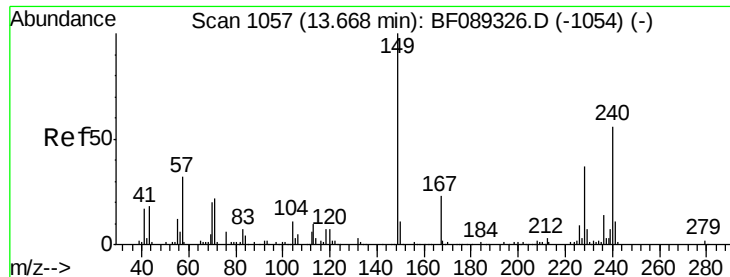
Tgt Ion:165 Resp: 9490
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089394.D
 Acq: 29 Jul 2016 6:27

Tgt Ion:188 Resp: 113682
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.5 9.7
 80 9.9 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-46CDL

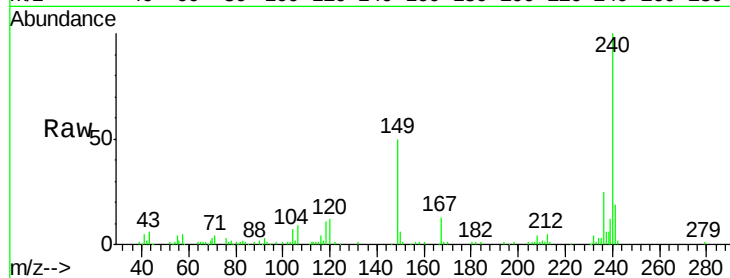
Tgt Ion:240 Resp: 96278

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

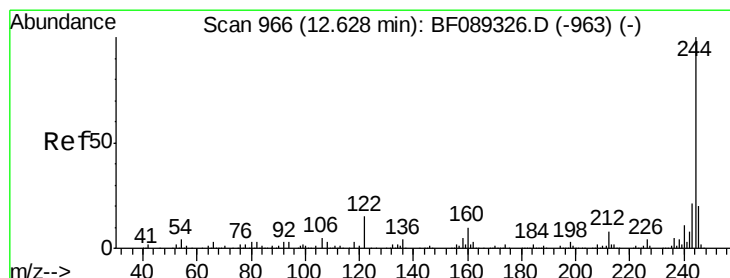
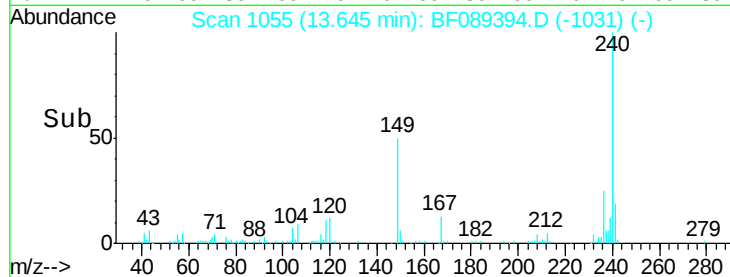
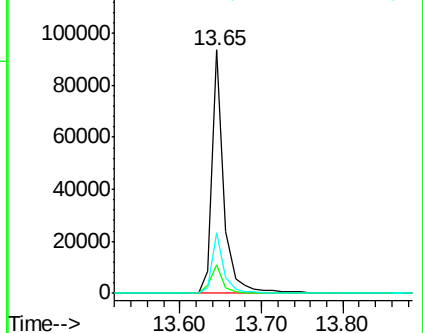
236 25.0 20.6 30.8



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: 11.83 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

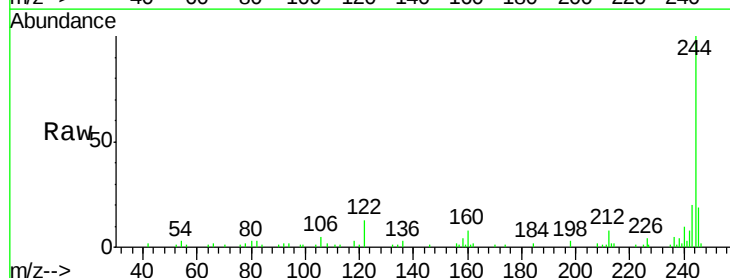
Tgt Ion:244 Resp: 48664

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

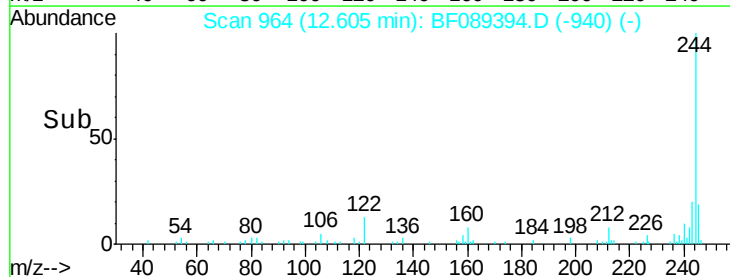
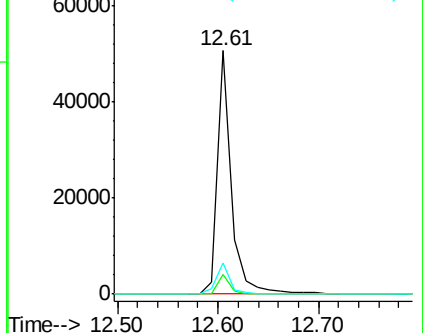
122 12.5 11.4 17.0

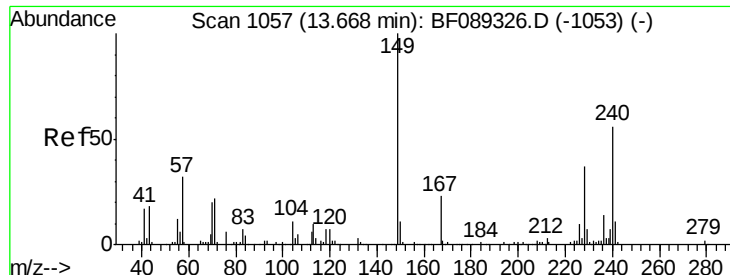


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 16.21 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-46CDL

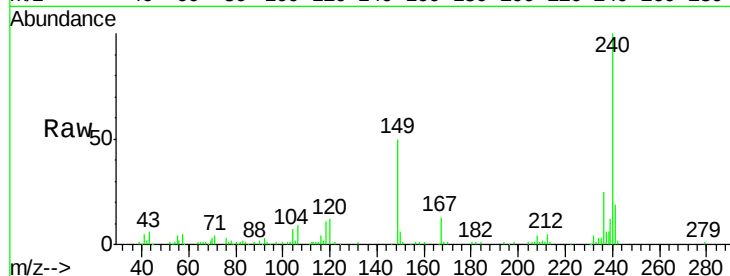
Tgt Ion:149 Resp: 77746

Ion Ratio Lower Upper

149 100

167 26.7 18.8 28.2

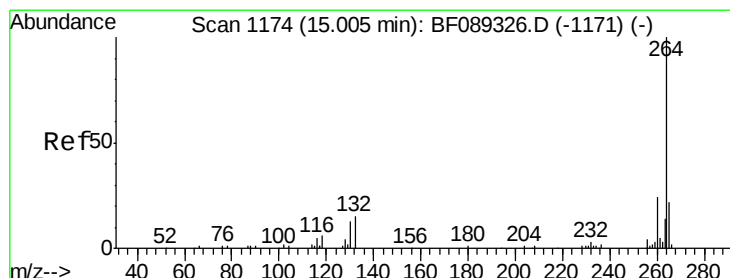
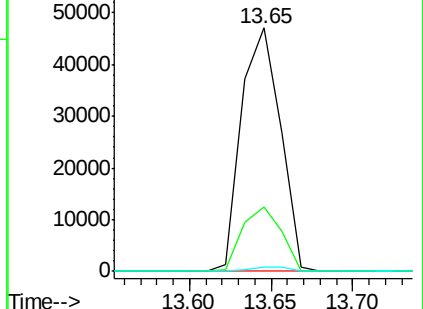
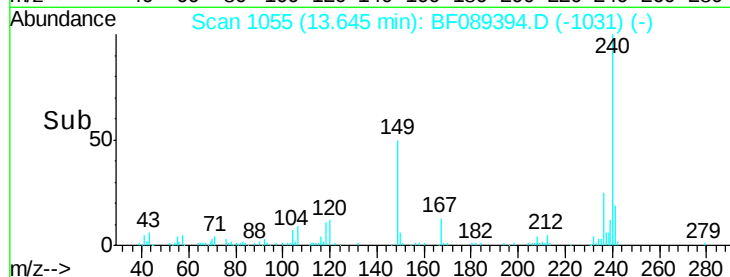
279 1.6 1.4 2.0



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: 14.98 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF089394.D

Acq: 29 Jul 2016 6:27

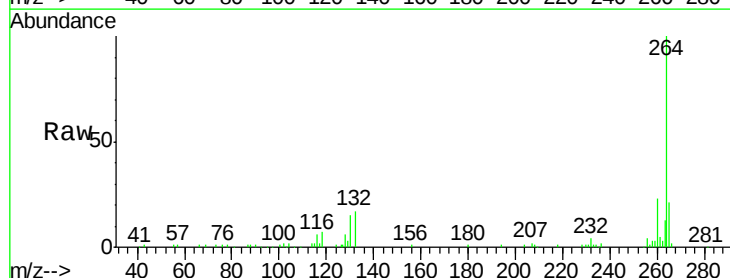
Tgt Ion:264 Resp: 83492

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.1 17.5 26.3



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

