

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089537.D
 Acq On : 2 Aug 2016 4:25
 Operator : UM/SJ
 Sample : H4288-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67-0.5-1.5

Quant Time: Aug 02 04:59:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 02:21:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	40900	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	145313	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	58849	20.00	ng	-0.01
63) Phenanthrene-d10	10.98	188	91249	20.00	ng	0.00
75) Chrysene-d12	13.60	240	89872	20.00	ng	-0.01
86) Perylene-d12	14.93	264	76388	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	273843	106.91	ng	0.01
7) Phenol-d6	6.15	99	377652	111.56	ng	0.00
23) Nitrobenzene-d5	7.05	82	210726	85.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	48186	98.86	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	372049	92.78	ng	-0.01
78) Terphenyl-d14	12.56	244	235585	61.35	ng	-0.01

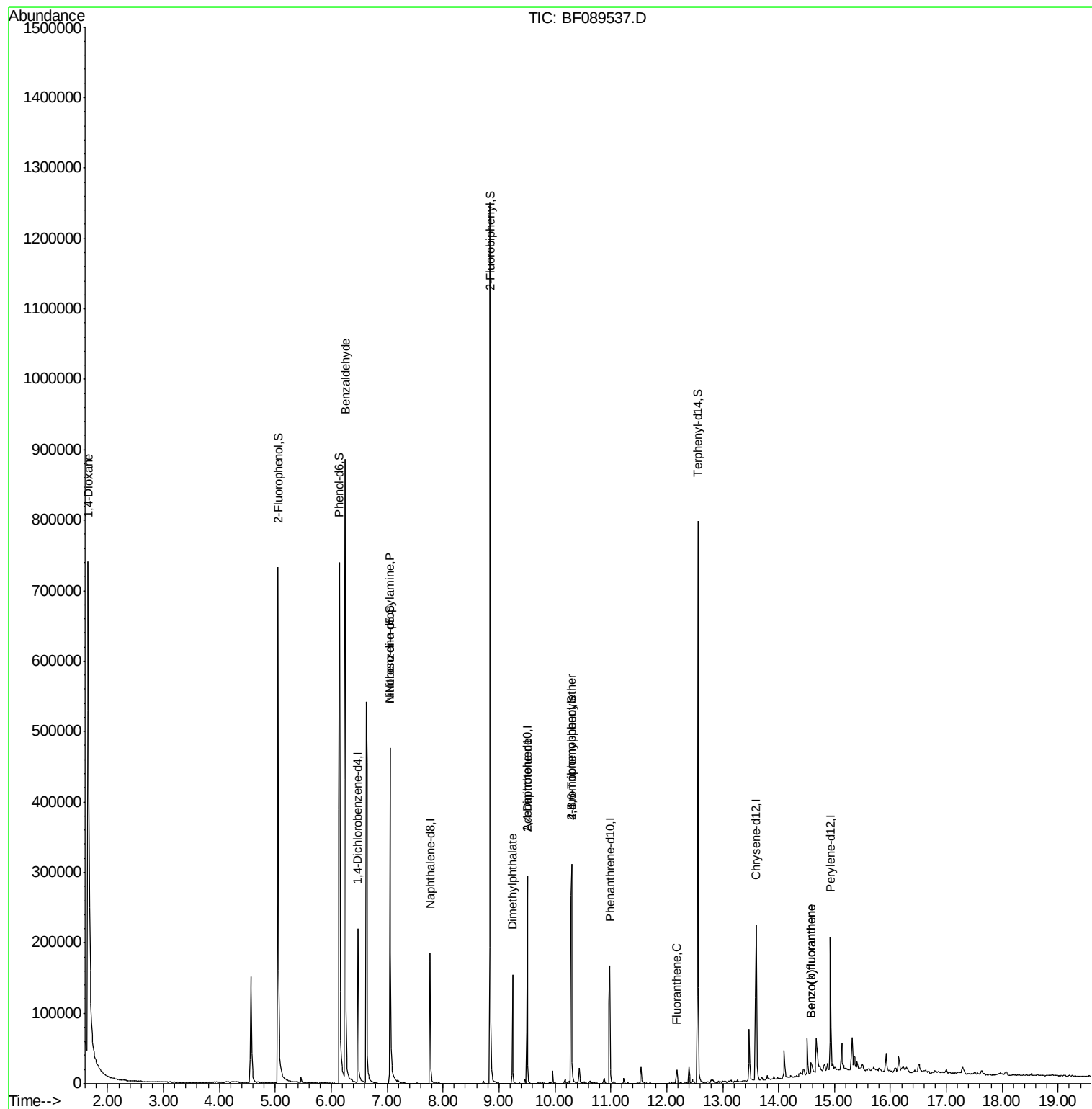
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	49831	43.22	ng	# 26
9) Benzaldehyde	6.25	77	7024	4.25	ng	82
19) n-Nitroso-di-n-propylamine	7.05	70	27556	13.50	ng	# 82
49) Dimethylphthalate	9.24	163	60176	13.44	ng	99
56) 2,4-Dinitrotoluene	9.51	165	7616	6.29	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	3467	3.98	ng	# 1
74) Fluoranthene	12.18	202	11146	2.25	ng	99
87) Benzo(b)fluoranthene	14.58	252	10871	2.29	ng	# 87
88) Benzo(k)fluoranthene	14.58	252	10871	2.49	ng	# 89

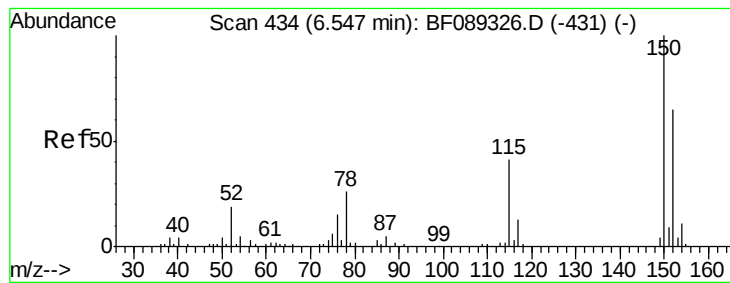
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5

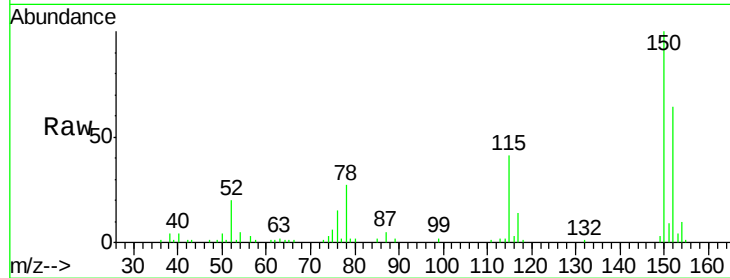
Tgt Ion:152 Resp: 40900

Ion Ratio Lower Upper

152 100

150 157.1 129.5 194.3

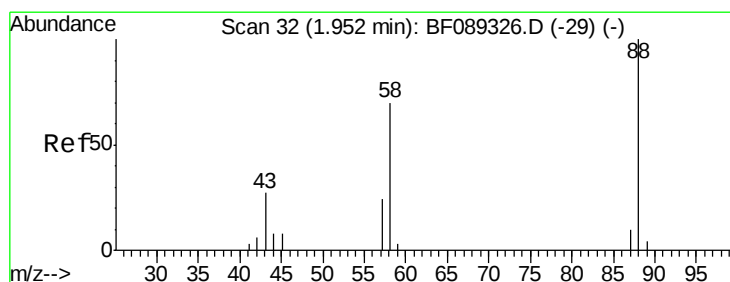
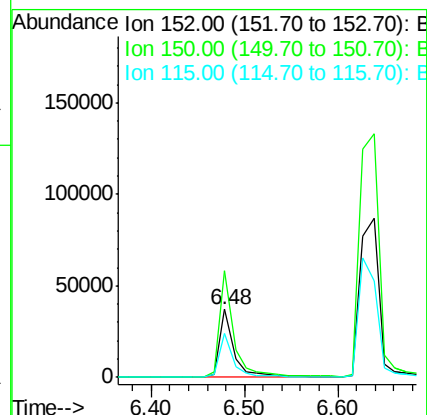
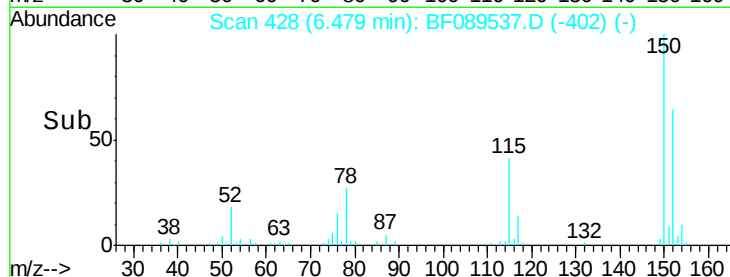
115 64.4 51.4 77.2



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: 43.22 ng

RT: 1.66 min Scan# 6

Delta R.T. -0.19 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

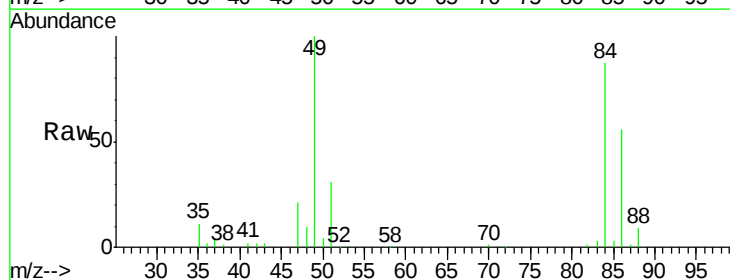
Tgt Ion: 88 Resp: 49831

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

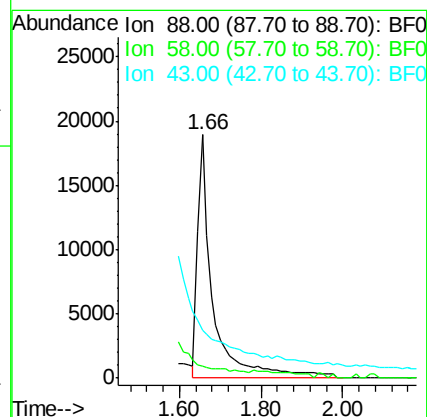
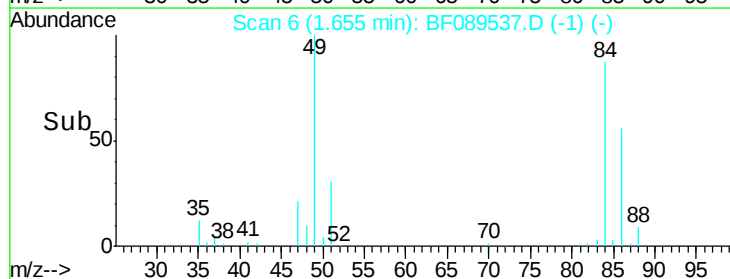
43 0.0 20.6 31.0#

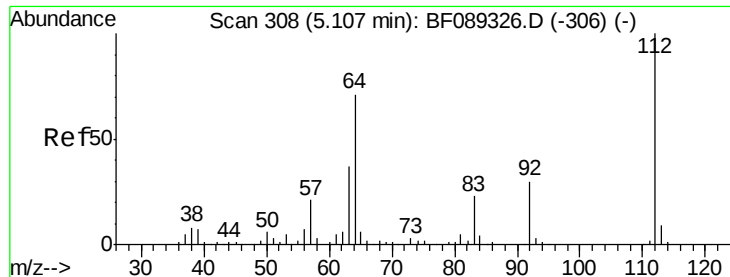


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 106.91 ng

RT: 5.05 min Scan# 303

Delta R.T. 0.01 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

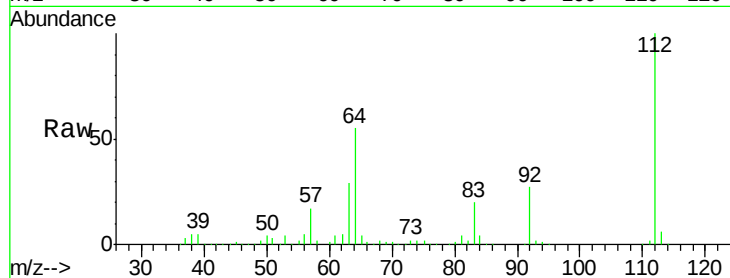
SB-67-0.5-1.5

Tgt Ion: 112 Resp: 273843
Ion Ratio Lower Upper

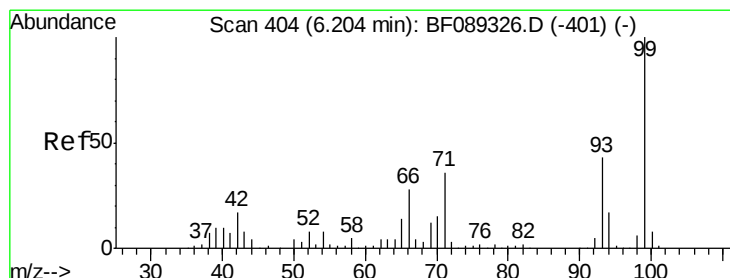
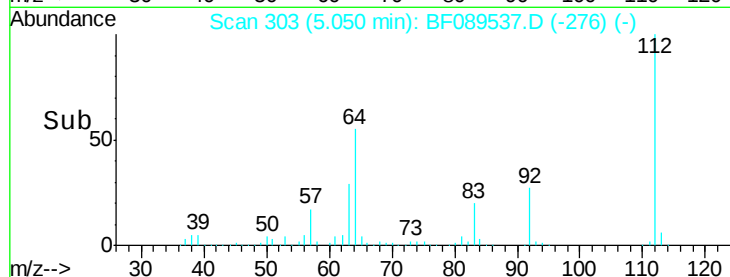
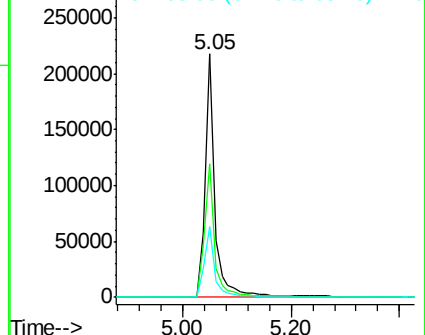
112 100

64 55.0 55.0 82.6#

63 29.2 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: 111.56 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF089537.D

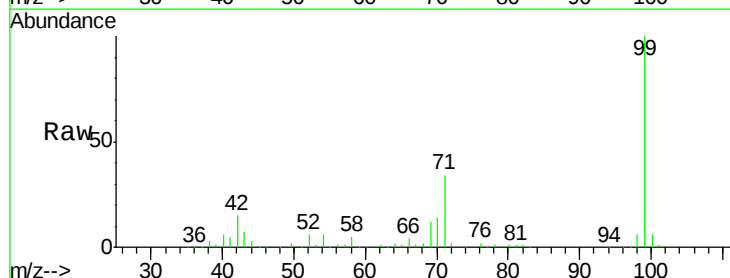
Acq: 2 Aug 2016 4:25

Tgt Ion: 99 Resp: 377652
Ion Ratio Lower Upper

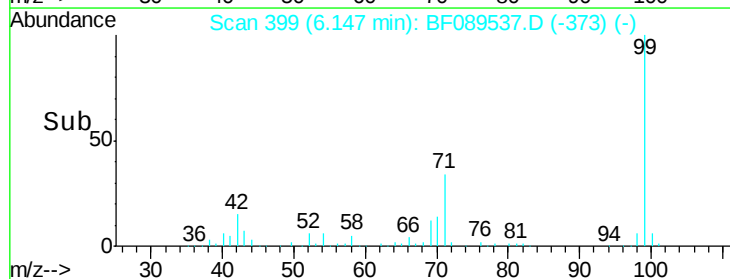
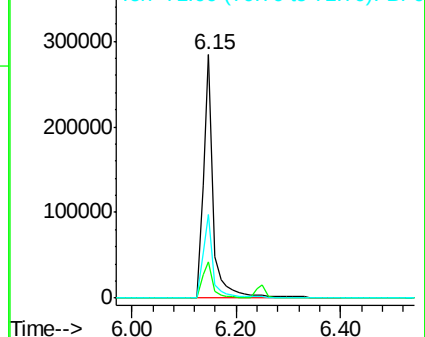
99 100

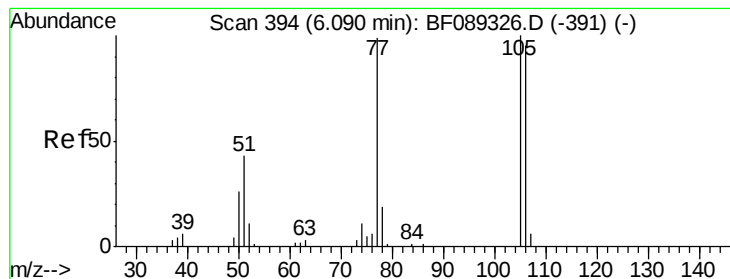
42 15.1 13.6 20.4

71 34.2 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





#9

Benzaldehyde

Concen: 4.25 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.23 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5

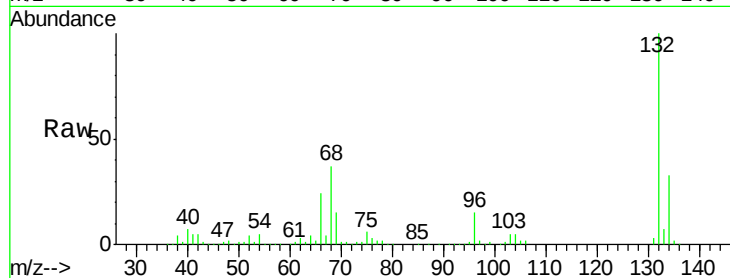
Tgt Ion: 77 Resp: 7024

Ion Ratio Lower Upper

77 100

105 84.3 82.9 122.9

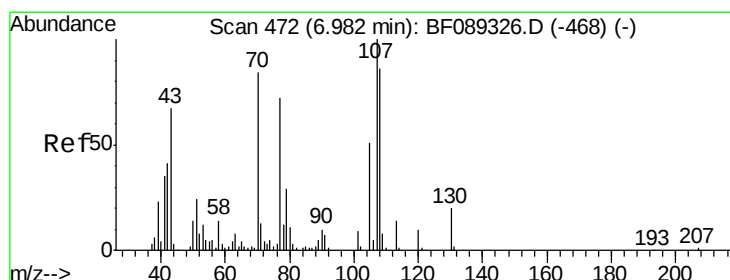
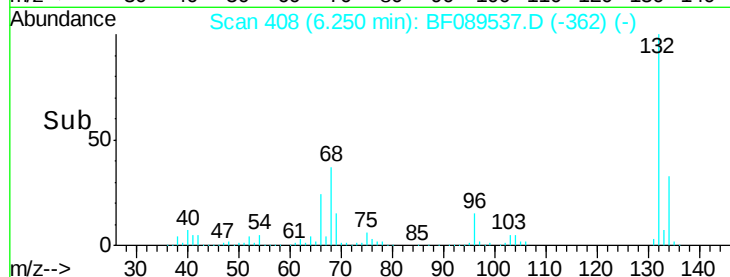
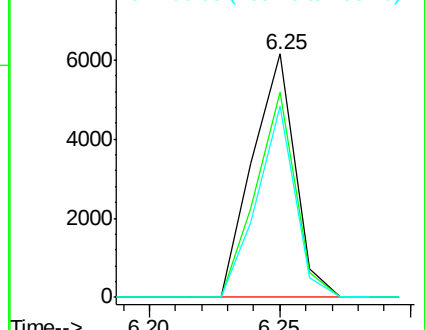
106 78.7 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.50 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.13 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Tgt Ion: 70 Resp: 27556

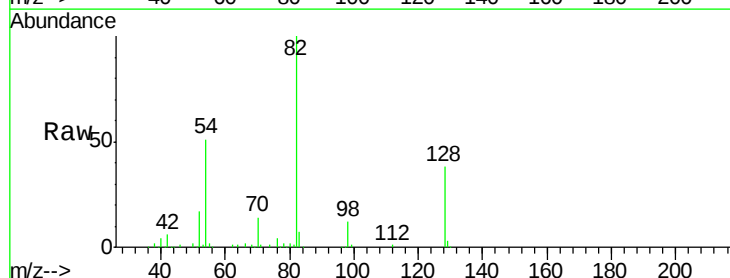
Ion Ratio Lower Upper

70 100

42 46.4 38.6 57.8

101 0.0 8.3 12.5#

130 1.9 19.0 28.4#

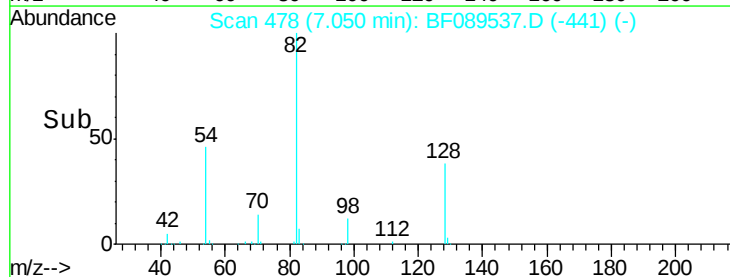
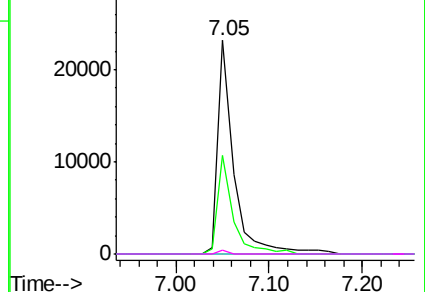


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

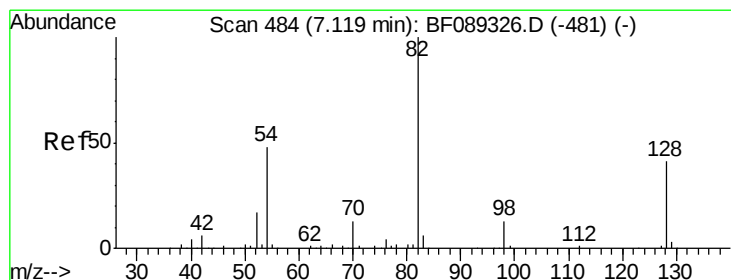
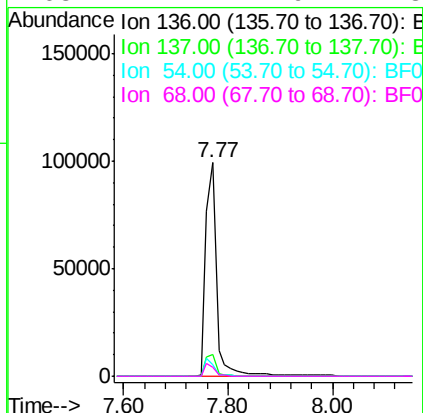
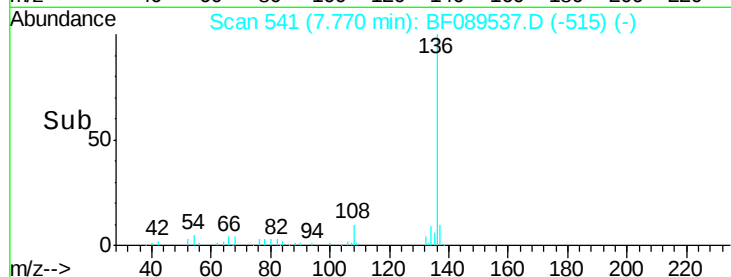
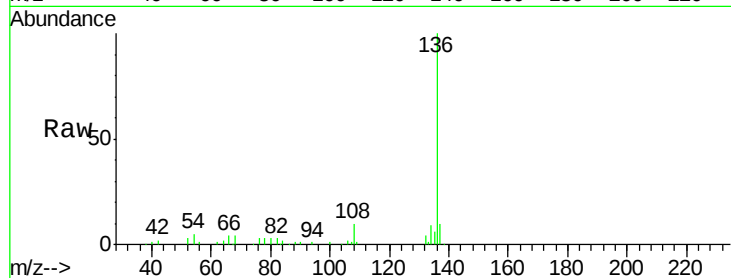




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

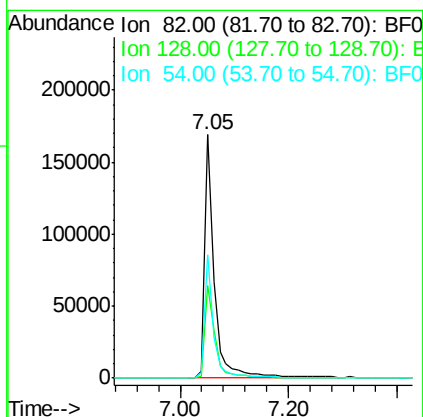
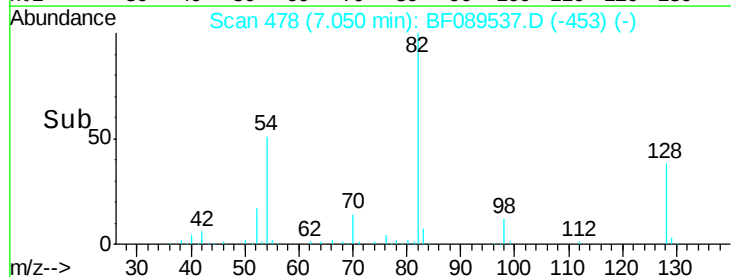
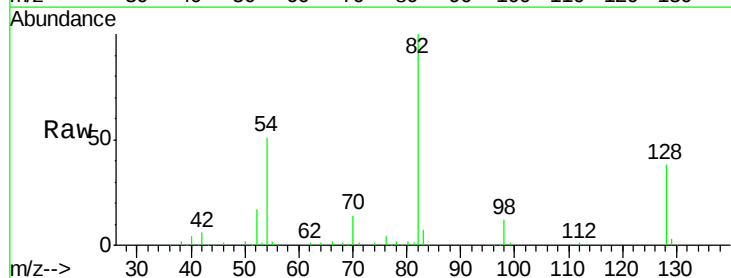
Instrument :
BNA_F
ClientSampleId :
SB-67-0.5-1.5

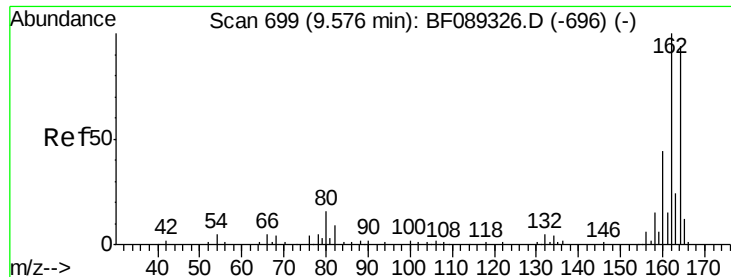
Tgt Ion:	136	Resp:	145313
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	5.3	7.0	10.4#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 85.60 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

Tgt Ion:	82	Resp:	210726
Ion	Ratio	Lower	Upper
82	100		
128	38.1	32.5	48.7
54	50.5	38.8	58.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5

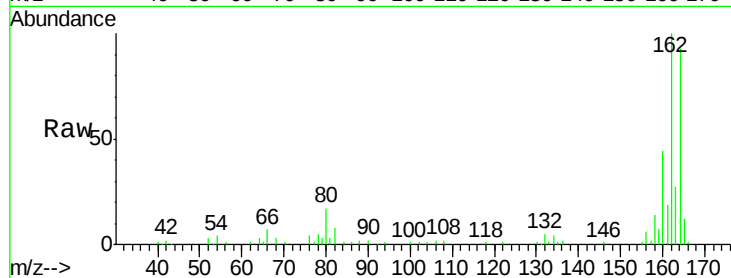
Tgt Ion:164 Resp: 58849

Ion Ratio Lower Upper

164 100

162 107.8 83.7 125.5

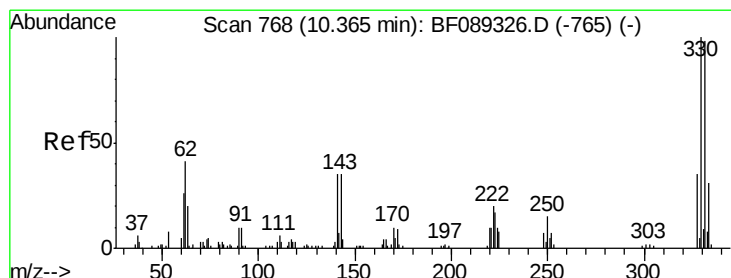
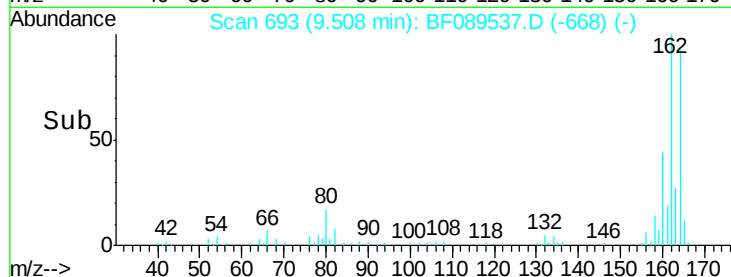
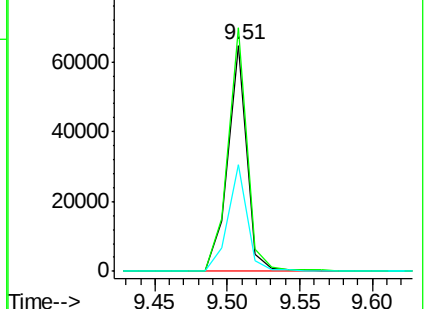
160 47.3 37.8 56.6



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: 98.86 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

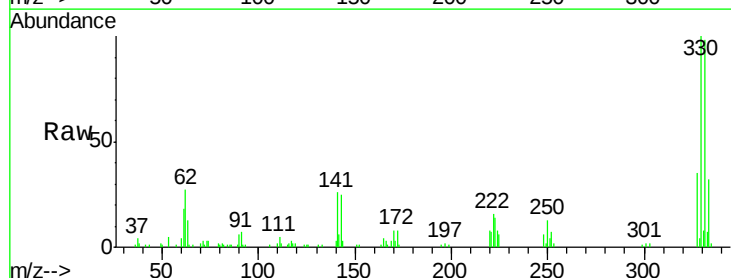
Tgt Ion:330 Resp: 48186

Ion Ratio Lower Upper

330 100

332 97.3 76.8 115.2

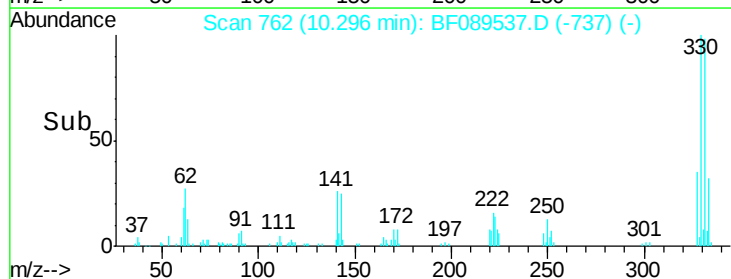
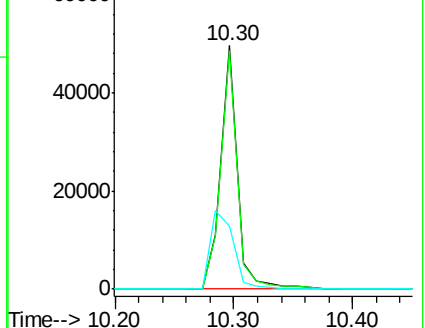
141 44.8 37.3 55.9



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

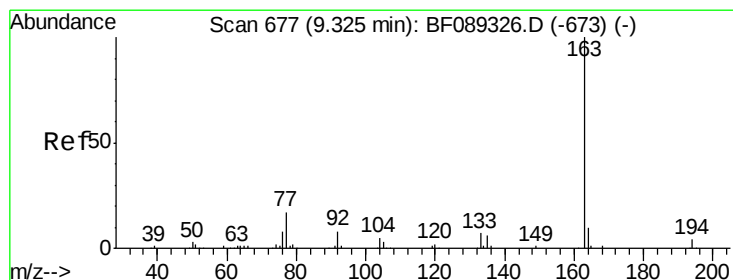
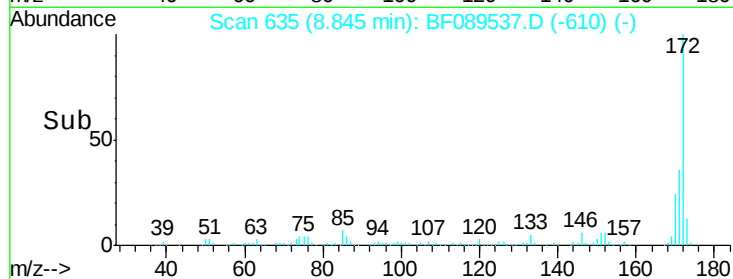
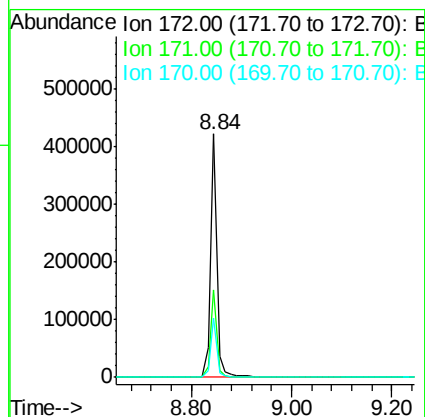
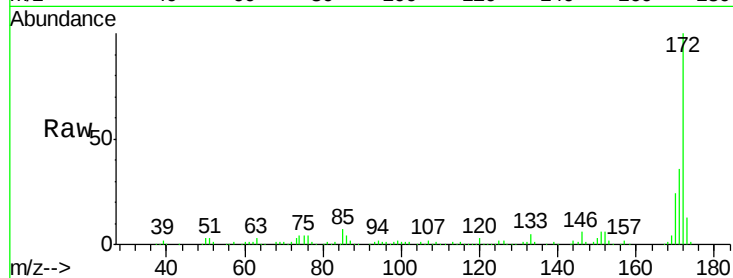




#44
 2-Fluorobiphenyl
 Concen: 92.78 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF089537.D
 Acq: 2 Aug 2016 4:25

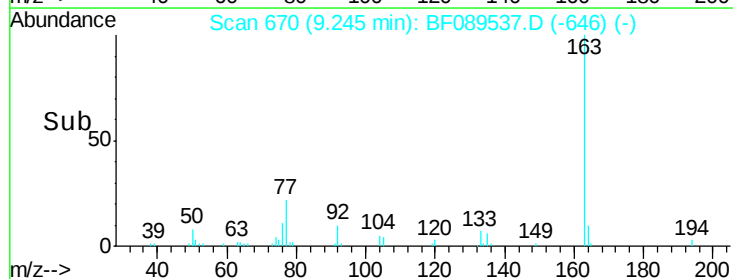
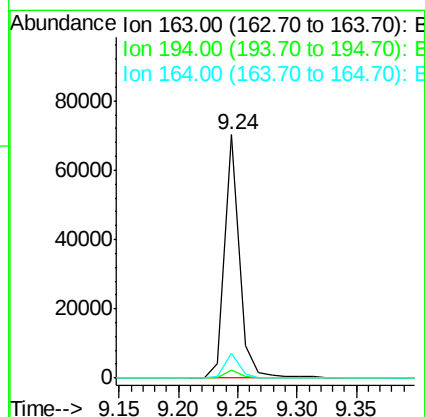
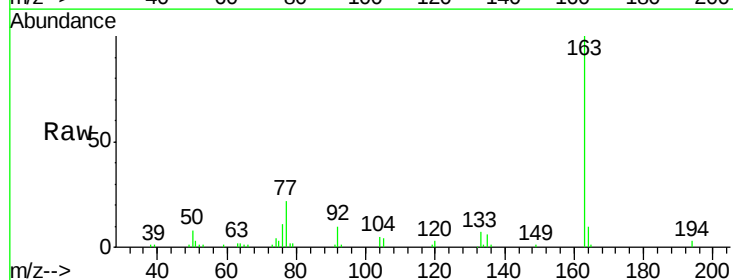
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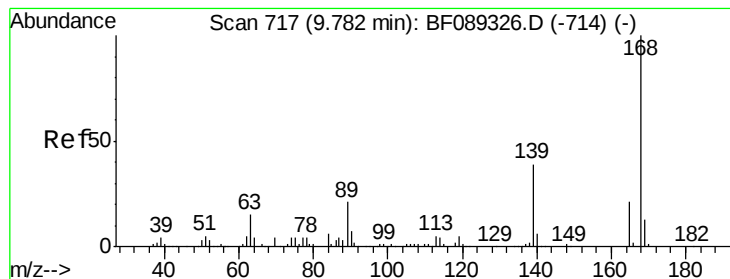
Tgt Ion:172 Resp: 372049
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.1 19.2 28.8



#49
 Dimethylphthalate
 Concen: 13.44 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF089537.D
 Acq: 2 Aug 2016 4:25

Tgt Ion:163 Resp: 60176
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.3 7.8 11.8





#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.22 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5

Tgt Ion:165 Resp: 7616

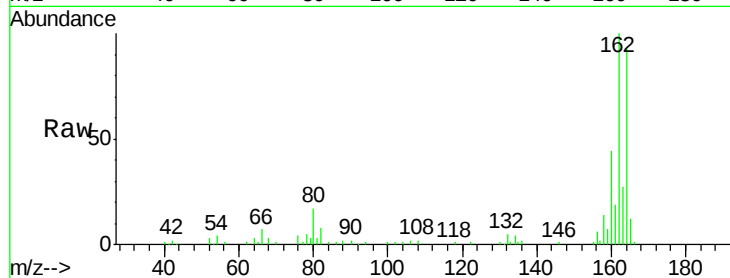
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

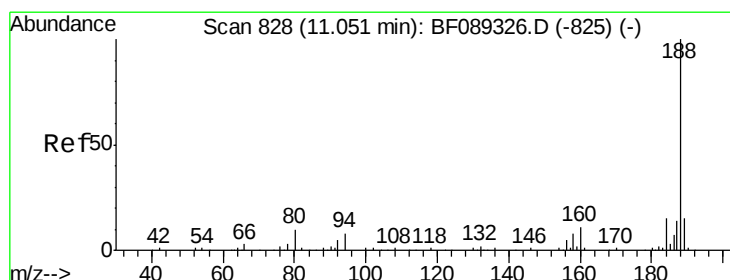
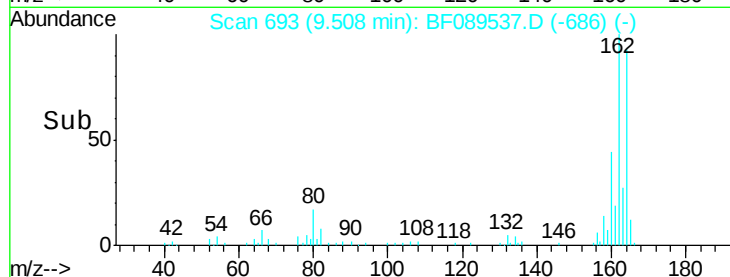
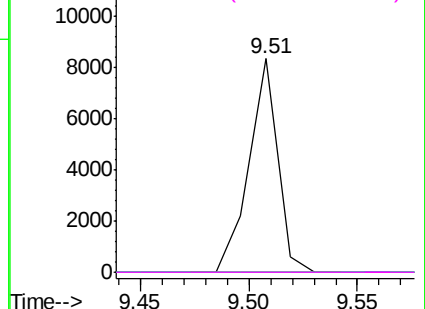


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.98 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

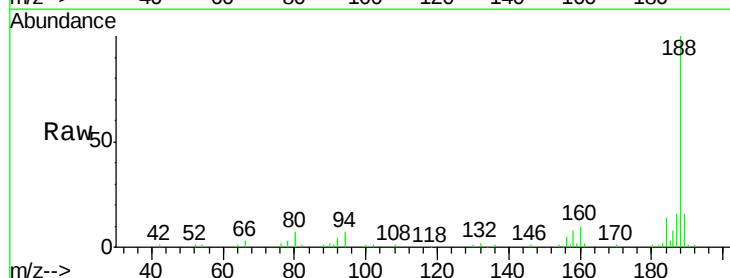
Tgt Ion:188 Resp: 91249

Ion Ratio Lower Upper

188 100

94 6.7 6.5 9.7

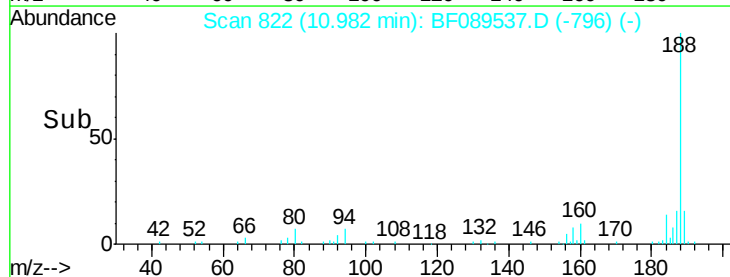
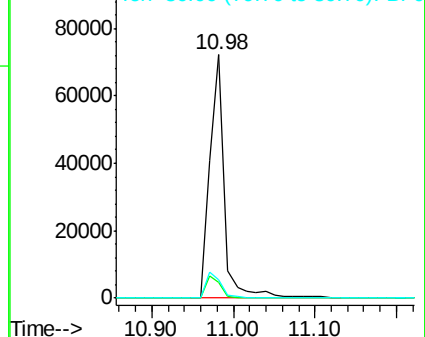
80 7.4 7.2 10.8

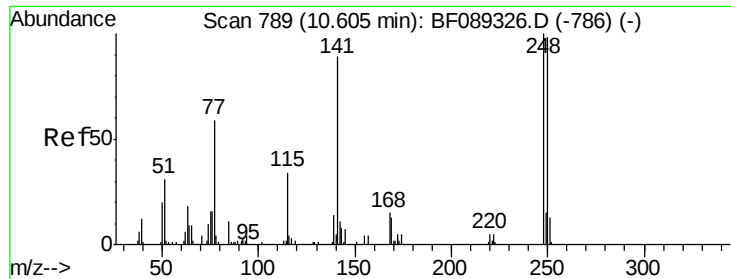


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

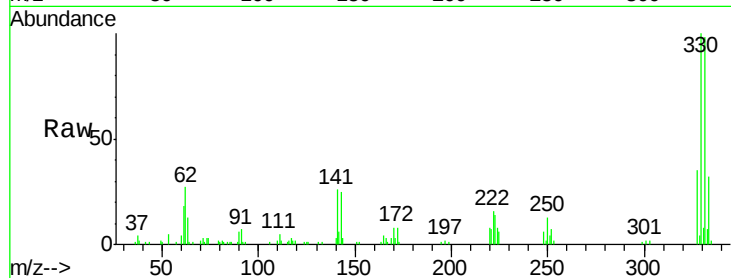




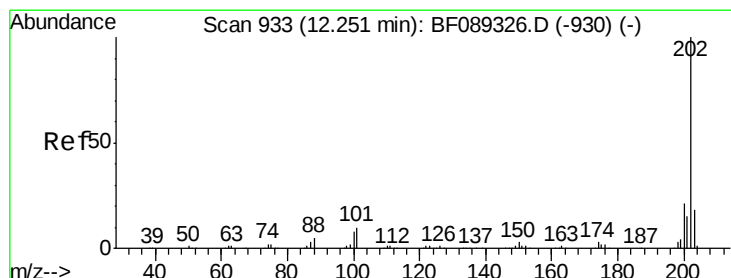
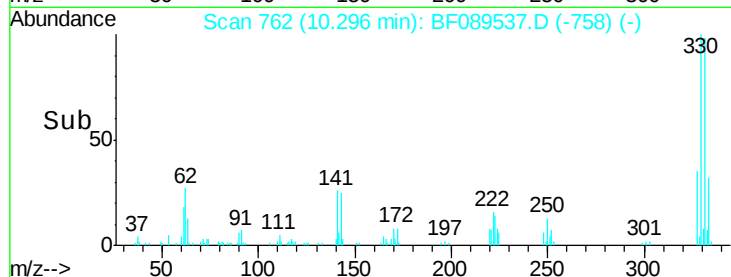
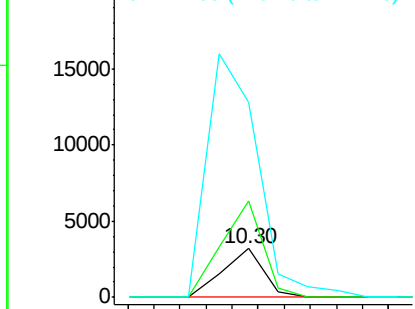
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.30 min Scan# 762
Delta R.T. -0.25 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

Instrument :
BNA_F
ClientSampleId :
SB-67-0.5-1.5

Tgt Ion:248 Resp: 3467
Ion Ratio Lower Upper
248 100
250 196.9 78.2 117.2#
141 398.9 62.0 93.0#

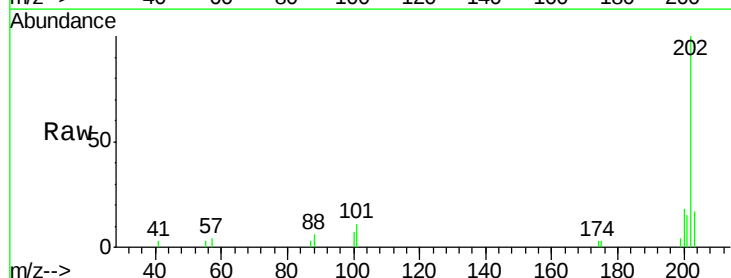


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

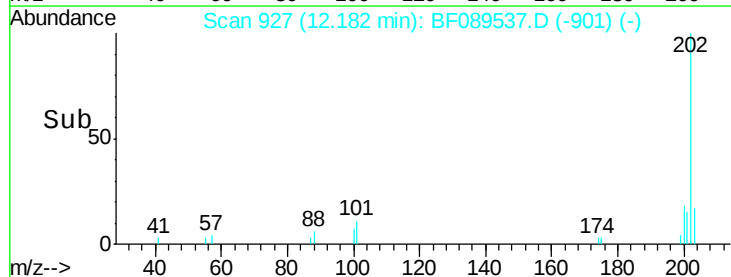
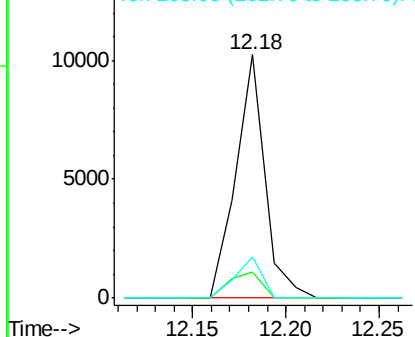


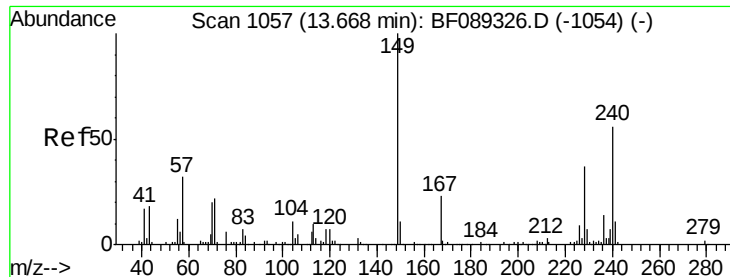
#74
Fluoranthene
Concen: 2.25 ng
RT: 12.18 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

Tgt Ion:202 Resp: 11146
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.9
203 17.1 0.0 37.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5

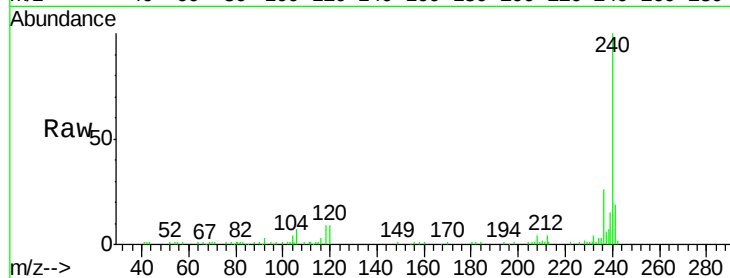
Tgt Ion:240 Resp: 89872

Ion Ratio Lower Upper

240 100

120 9.4 9.1 13.7

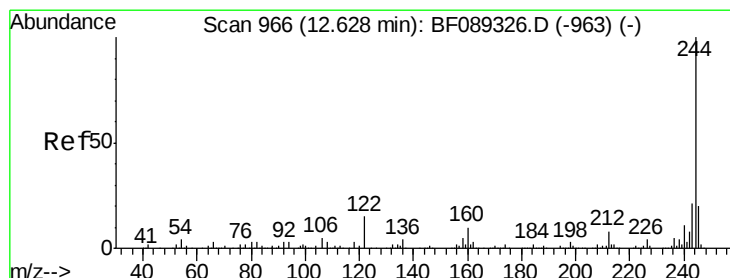
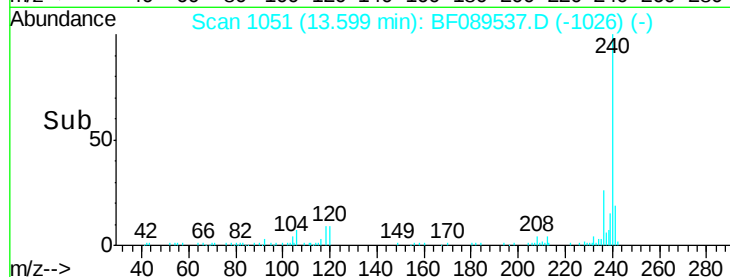
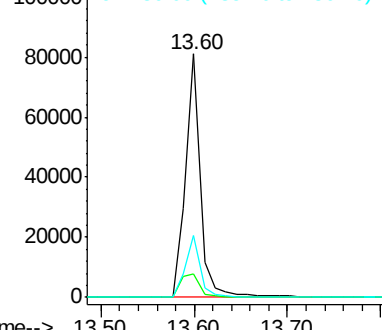
236 25.6 20.6 30.8



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: 61.35 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF089537.D

Acq: 2 Aug 2016 4:25

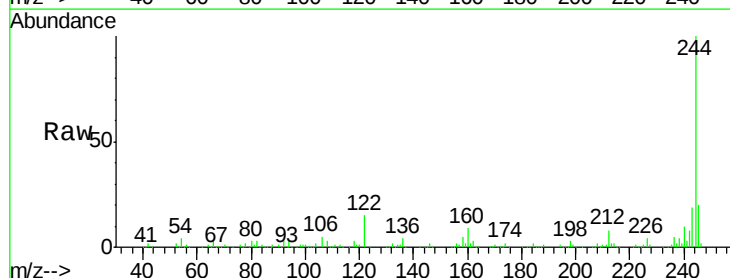
Tgt Ion:244 Resp: 235585

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

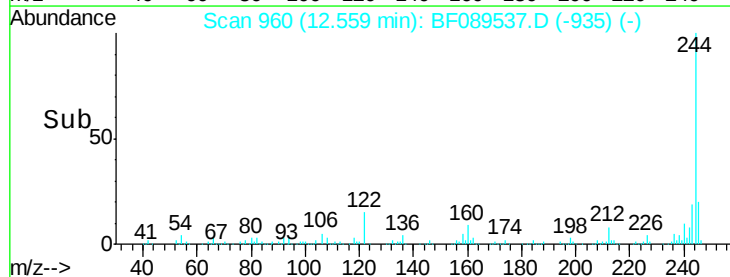
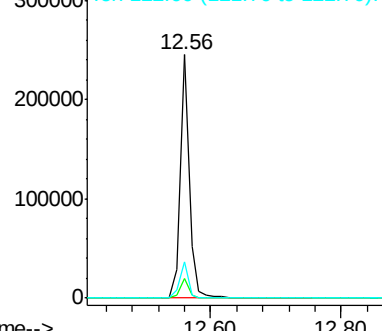
122 15.1 11.4 17.0

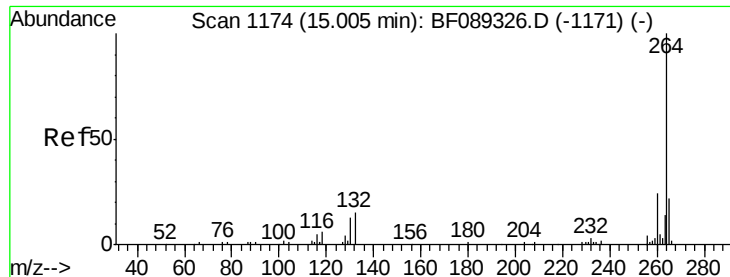


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



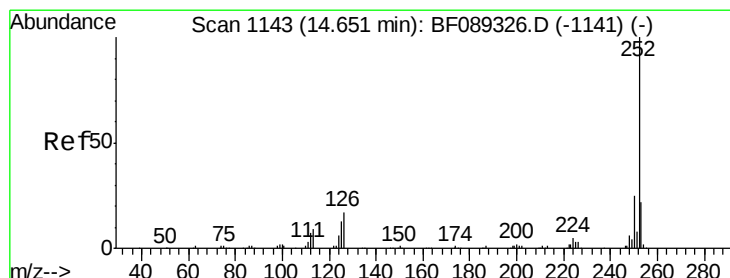
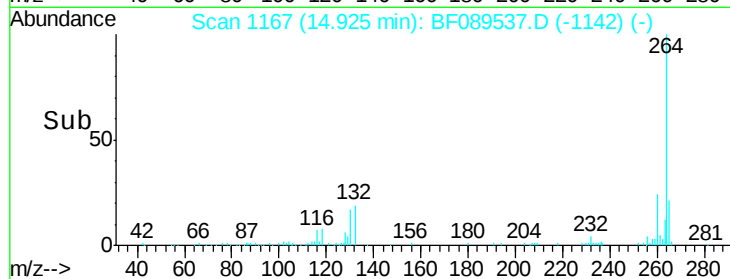
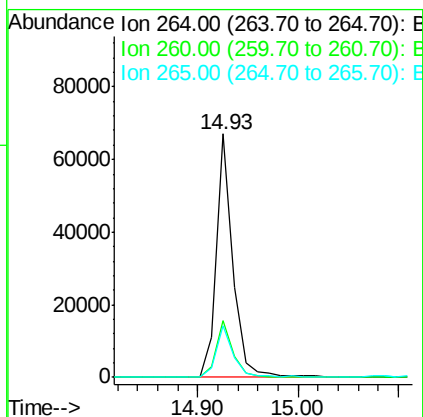
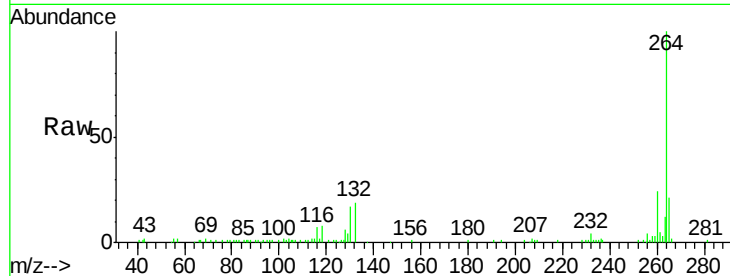


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

Instrument :
BNA_F
ClientSampleId :
SB-67-0.5-1.5

Tgt Ion: 264 Resp: 76388

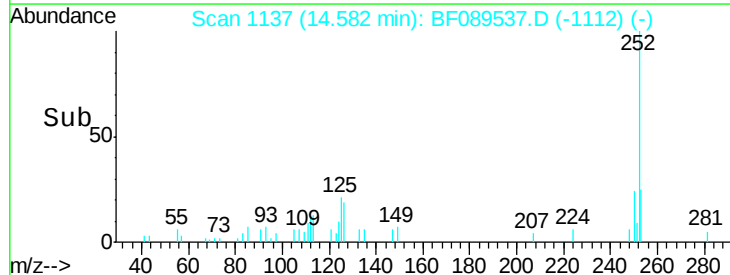
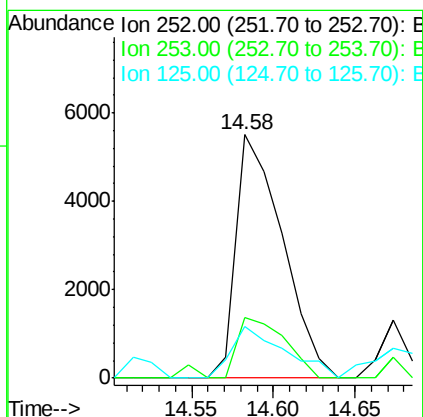
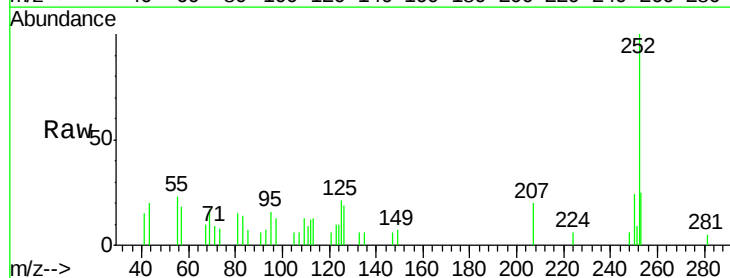
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.2	17.5	26.3

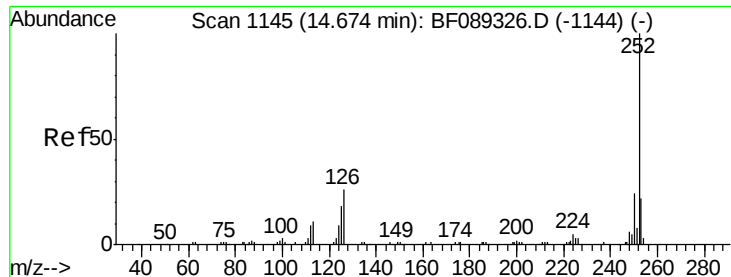


#87
Benzo(b)fluoranthene
Concen: 2.29 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF089537.D
Acq: 2 Aug 2016 4:25

Tgt Ion: 252 Resp: 10871

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	21.2	9.7	14.5#





#88

Benzo(k)fluoranthene

Concen: 2.49 ng

RT: 14.58 min Scan# 1137

Delta R.T. -0.03 min

Lab File: BF089537.D

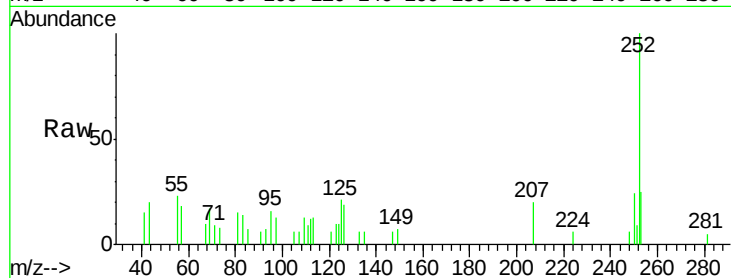
Acq: 2 Aug 2016 4:25

Instrument :

BNA_F

ClientSampleId :

SB-67-0.5-1.5



Tgt Ion:	252	Resp:	10871
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	21.2	10.7	16.1

