

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089380.D
 Acq On : 28 Jul 2016 23:41
 Operator : UM/SJ
 Sample : H4205-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-39-0.5-1.5

Quant Time: Jul 29 01:18:44 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	49506	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	204821	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	98492	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	164025	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	98183	20.00	ng	-0.02
86) Perylene-d12	14.98	264	100670	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	312697	100.85	ng	-0.01
7) Phenol-d6	6.18	99	410054	100.08	ng	-0.02
23) Nitrobenzene-d5	7.10	82	270885	78.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	78824	96.63	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	489693	72.97	ng	-0.02
78) Terphenyl-d14	12.61	244	297665	70.96	ng	-0.02

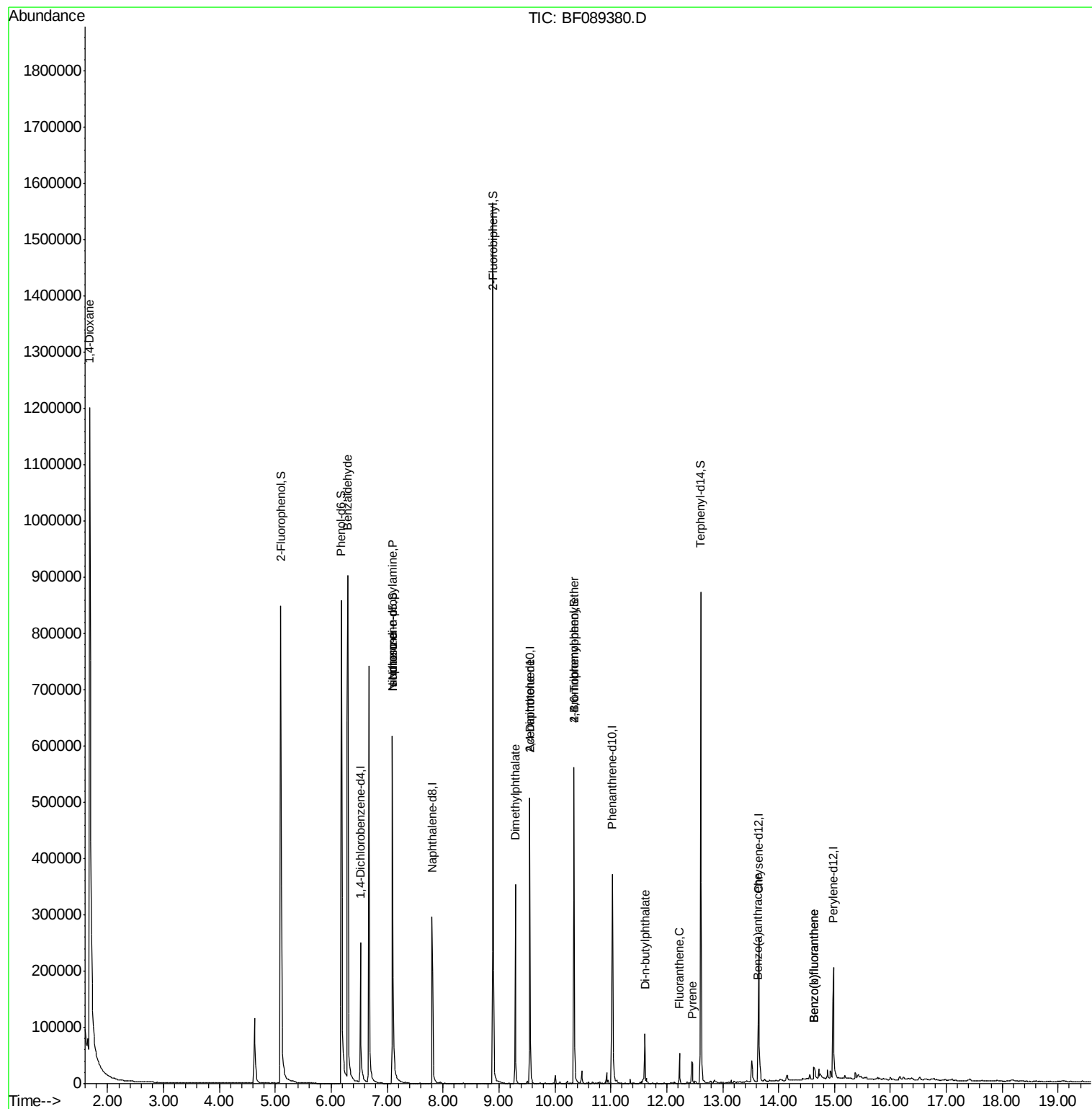
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	67274	48.65	ng	# 26
9) Benzaldehyde	6.30	77	8204	4.10	ng	89
19) n-Nitroso-di-n-propylamine	7.10	70	35648	14.43	ng	# 81
25) Isophorone	7.10	82	240942	34.47	ng	# 67
49) Dimethylphthalate	9.29	163	134525	17.95	ng	99
56) 2,4-Dinitrotoluene	9.55	165	12198	6.02	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5482	3.50	ng	# 1
73) Di-n-butylphthalate	11.61	149	64416	6.06	ng	# 97
74) Fluoranthene	12.23	202	25936	2.91	ng	99
77) Pyrene	12.46	202	22913	3.08	ng	98
80) Benzo(a)anthracene	13.63	228	11305	2.04	ng	98
87) Benzo(b)fluoranthene	14.64	252	17944	2.87	ng	96
88) Benzo(k)fluoranthene	14.64	252	17944	3.12	ng	98

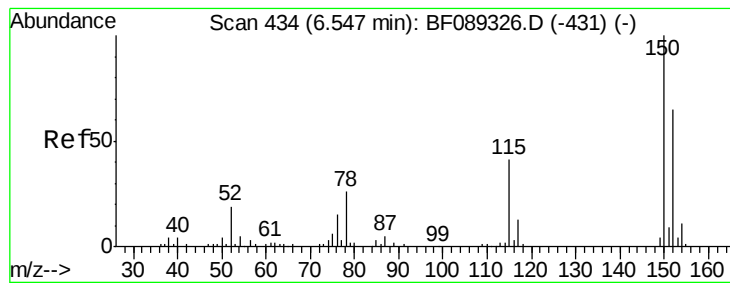
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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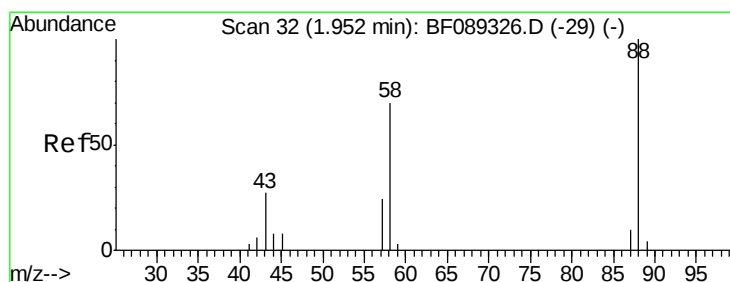
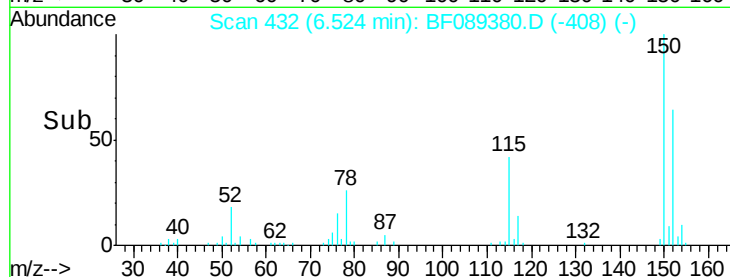
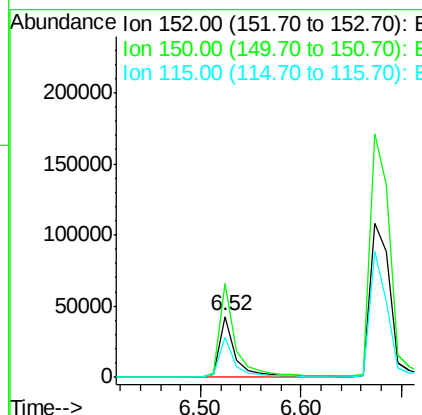
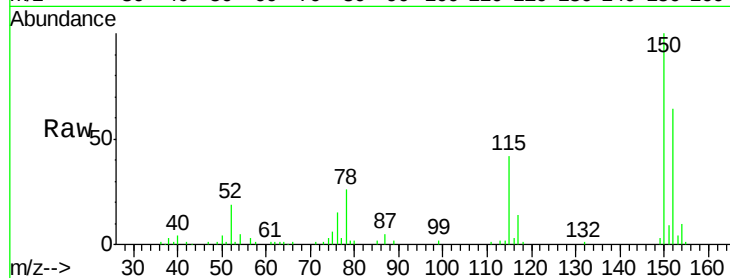




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

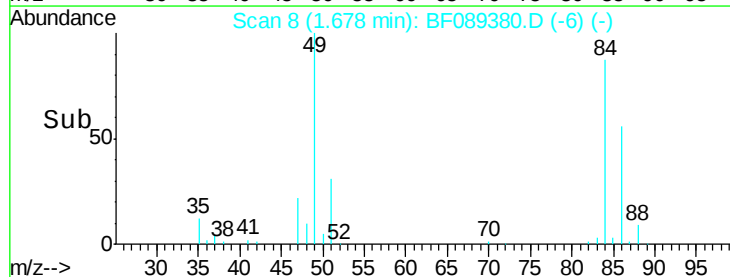
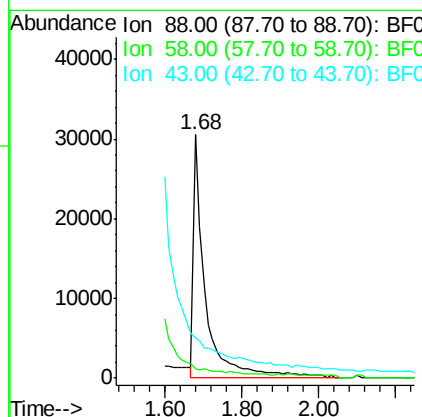
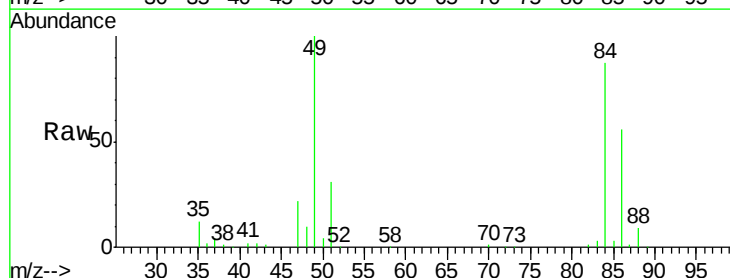
Instrument :
 BNA_F
 ClientSampleId :
 SB-39-0.5-1.5

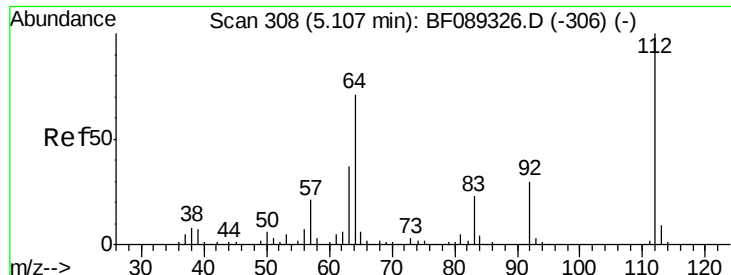
Tgt Ion:152 Resp: 49506
 Ion Ratio Lower Upper
 152 100
 150 155.1 129.5 194.3
 115 65.1 51.4 77.2



#2
 1,4-Dioxane
 Concen: 48.65 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.27 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Tgt Ion: 88 Resp: 67274
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 100.85 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5

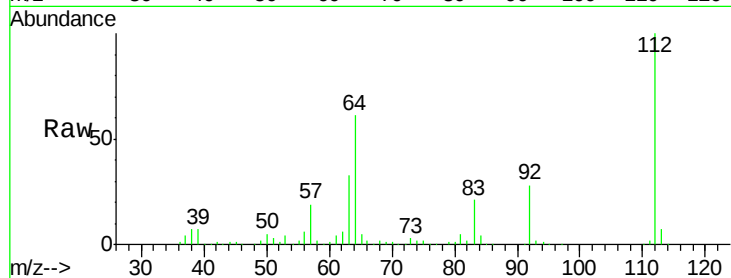
Tgt Ion: 112 Resp: 312697

Ion Ratio Lower Upper

112 100

64 61.2 55.0 82.6

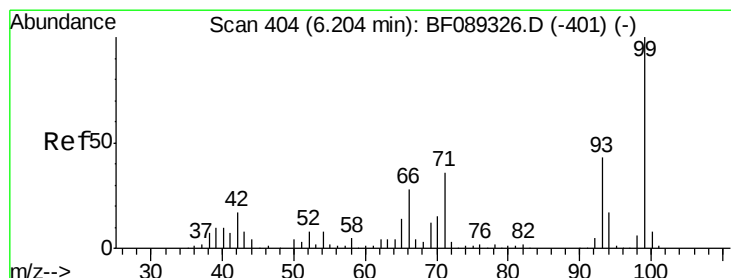
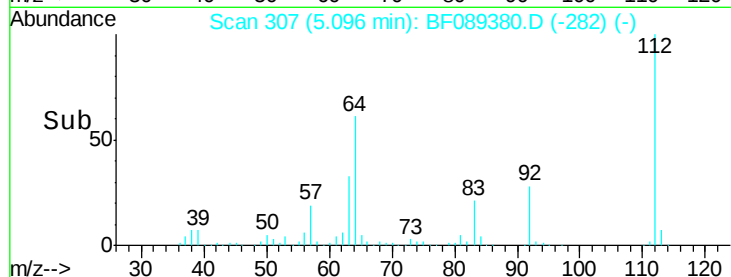
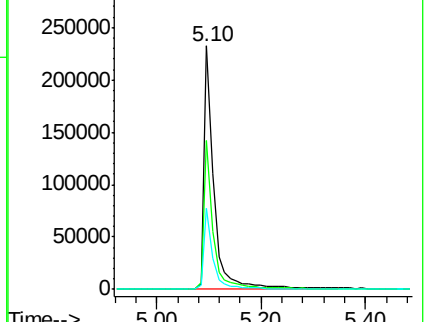
63 33.2 29.4 44.2



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: 100.08 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

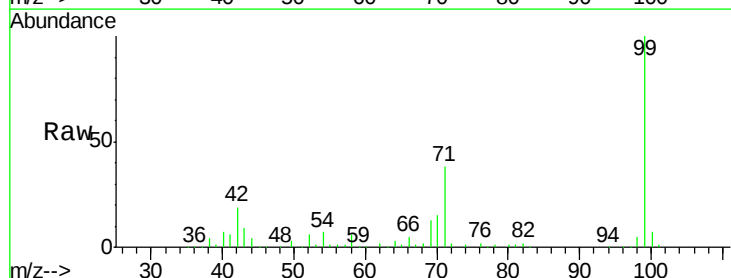
Tgt Ion: 99 Resp: 410054

Ion Ratio Lower Upper

99 100

42 18.6 13.6 20.4

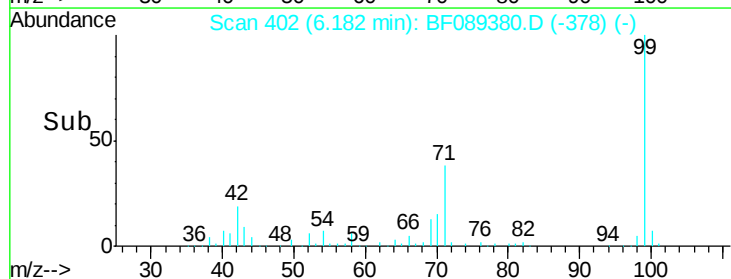
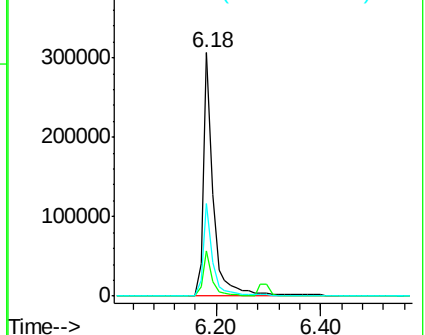
71 38.3 29.4 44.2

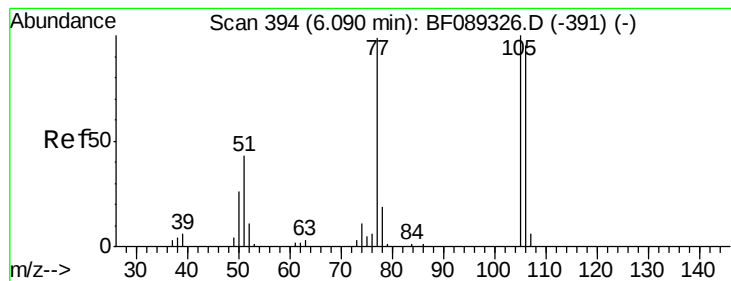


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.10 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5

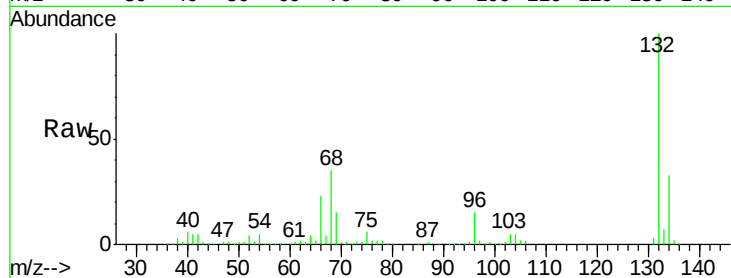
Tgt Ion: 77 Resp: 8204

Ion Ratio Lower Upper

77 100

105 89.8 82.9 122.9

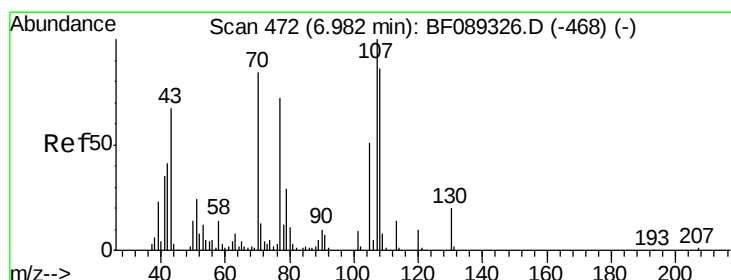
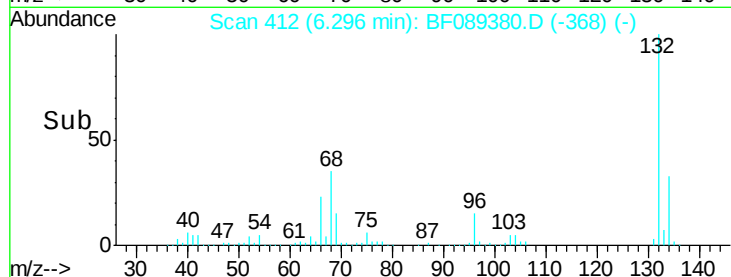
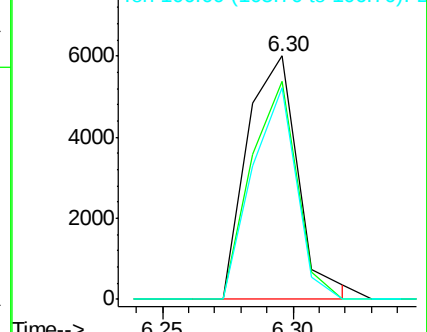
106 86.7 75.9 115.9



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: 14.43 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Tgt Ion: 70 Resp: 35648

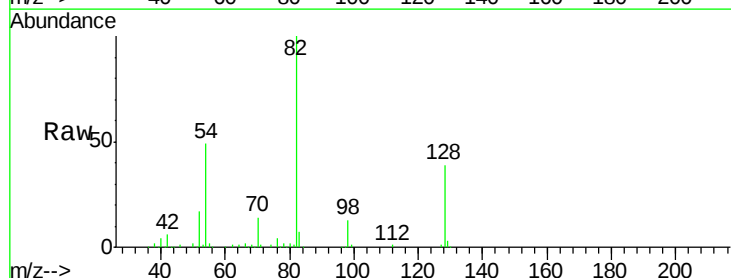
Ion Ratio Lower Upper

70 100

42 44.5 38.6 57.8

101 0.0 8.3 12.5#

130 2.0 19.0 28.4#

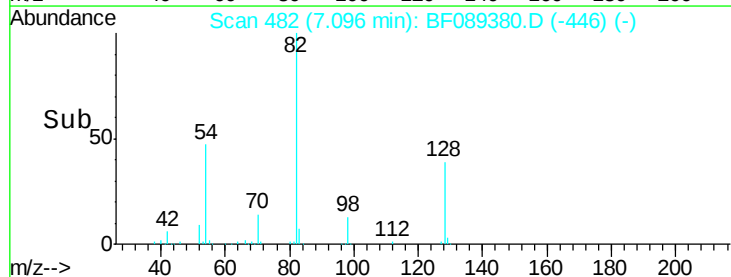
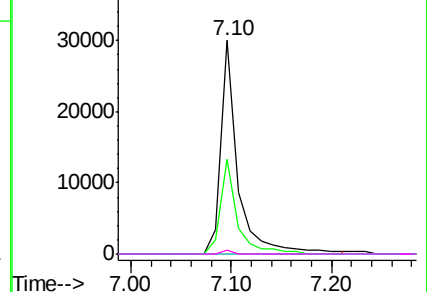


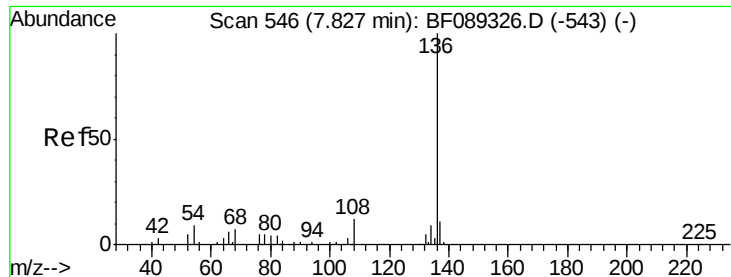
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5

Tgt Ion: 136 Resp: 204821

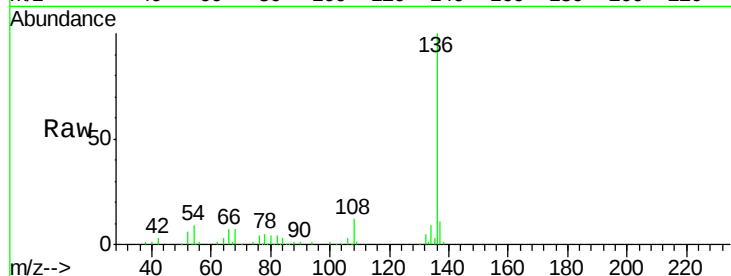
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.3 7.0 10.4

68 7.0 4.9 7.3

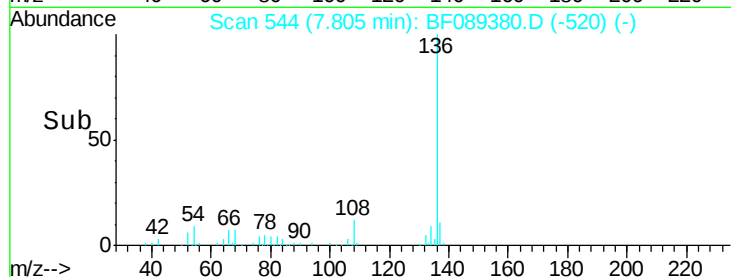


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

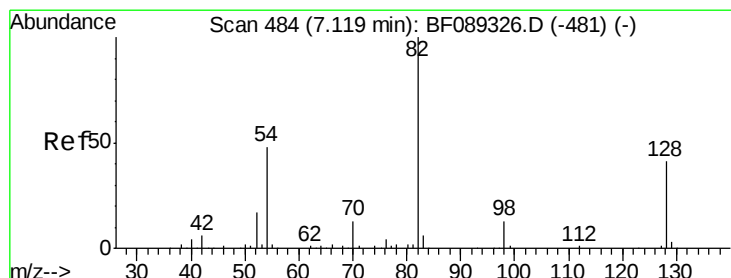
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.80



#23

Nitrobenzene-d5

Concen: 78.06 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

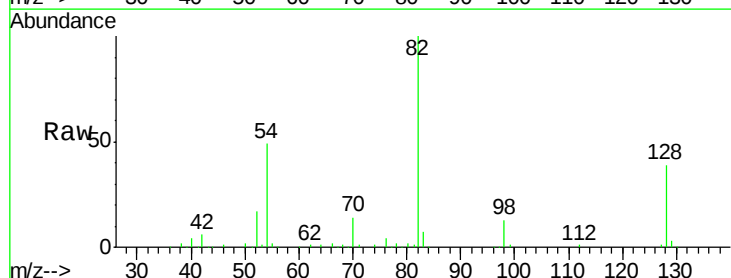
Tgt Ion: 82 Resp: 270885

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

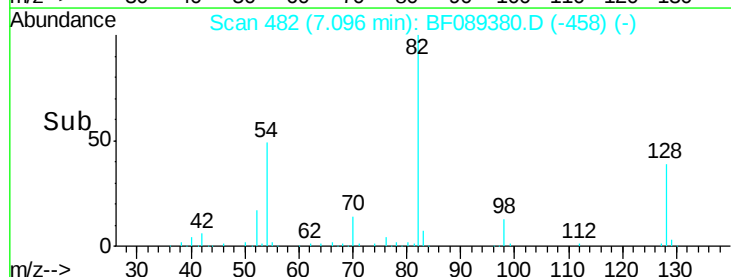
54 49.0 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

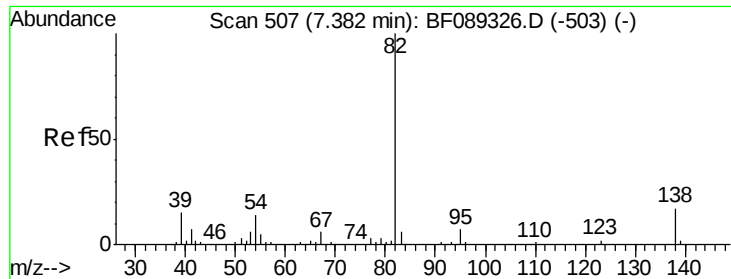
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.10



#25

Isophorone

Concen: 34.47 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5

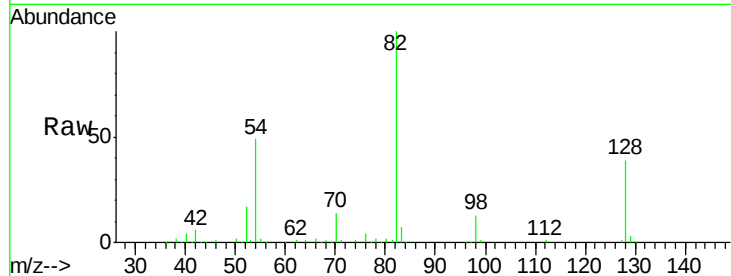
Tgt Ion: 82 Resp: 240942

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#

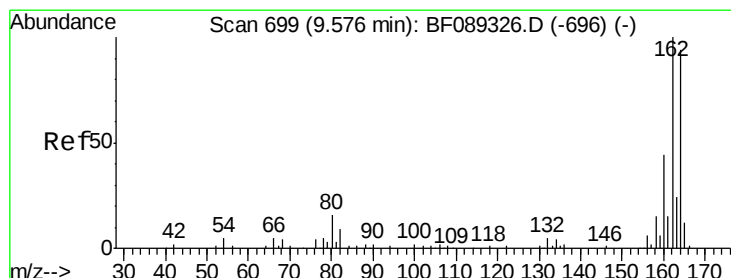
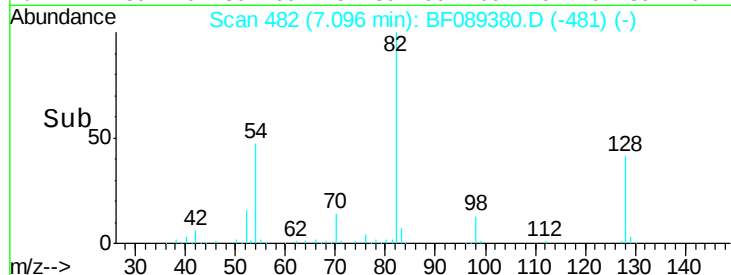


Abundance Ion 82.00 (81.70 to 82.70): BF089380.D (-482) (-)

Ion 95.00 (94.70 to 95.70): BF089380.D (-482) (-)

Ion 138.00 (137.70 to 138.70): BF089380.D (-482) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

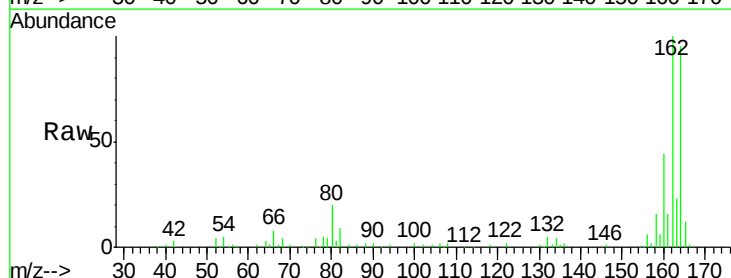
Tgt Ion: 164 Resp: 98492

Ion Ratio Lower Upper

164 100

162 104.8 83.7 125.5

160 46.2 37.8 56.6

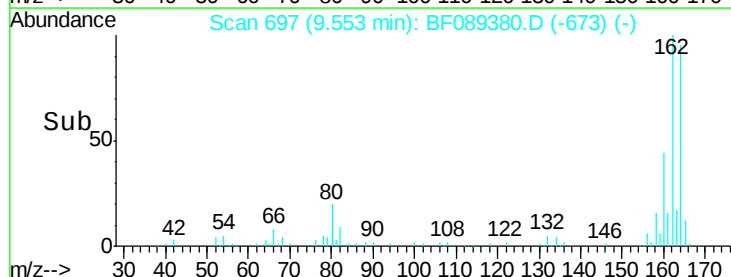


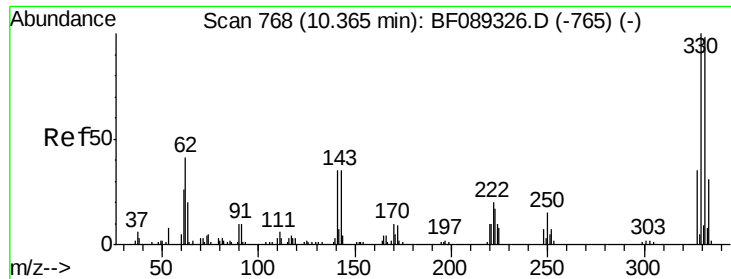
Abundance Ion 164.00 (163.70 to 164.70): BF089380.D (-673) (-)

Ion 162.00 (161.70 to 162.70): BF089380.D (-673) (-)

Ion 160.00 (159.70 to 160.70): BF089380.D (-673) (-)

Time-->

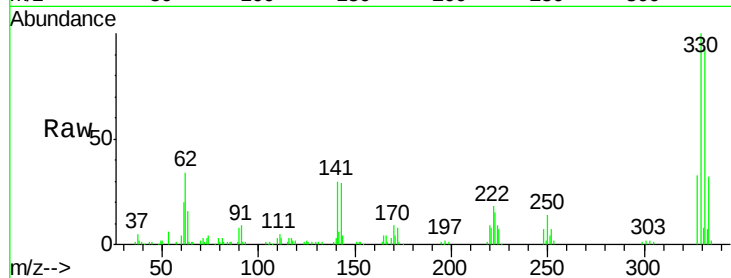




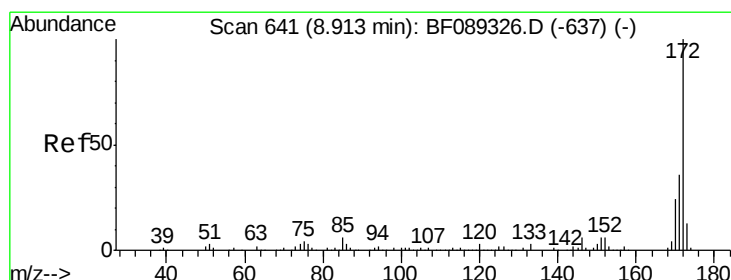
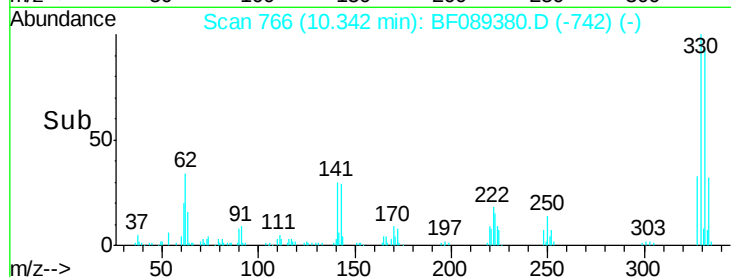
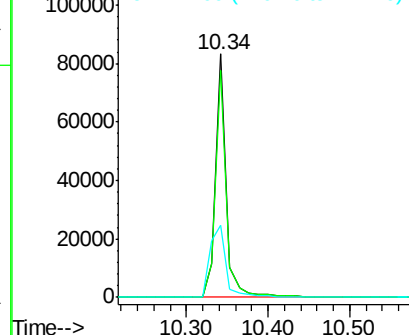
#41
 2,4,6-Tribromophenol
 Concen: 96.63 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-39-0.5-1.5

Tgt Ion:330 Resp: 78824
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.8 115.2
 141 43.8 37.3 55.9

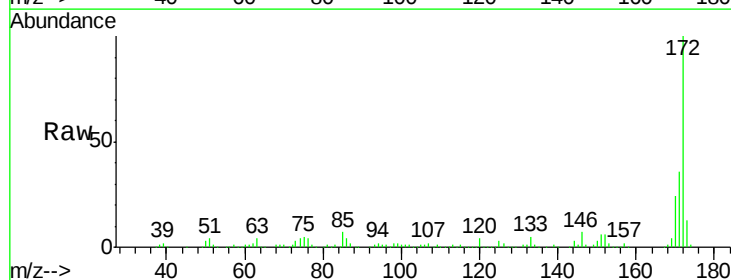


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

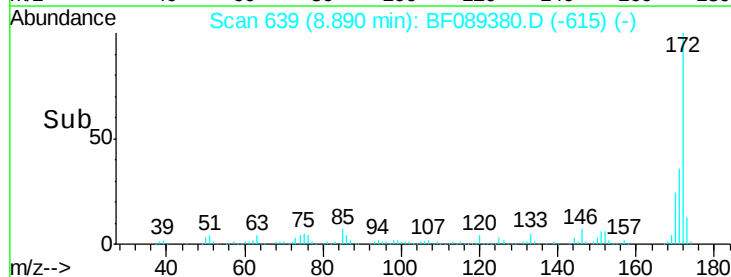
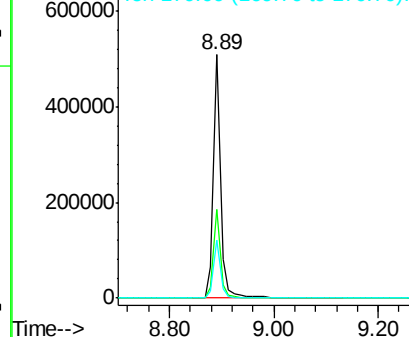


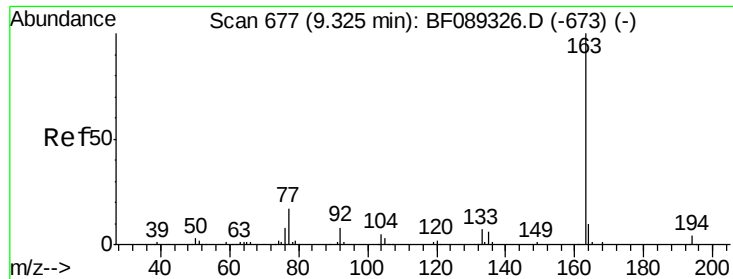
#44
 2-Fluorobiphenyl
 Concen: 72.97 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Tgt Ion:172 Resp: 489693
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.2 43.8
 170 23.9 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

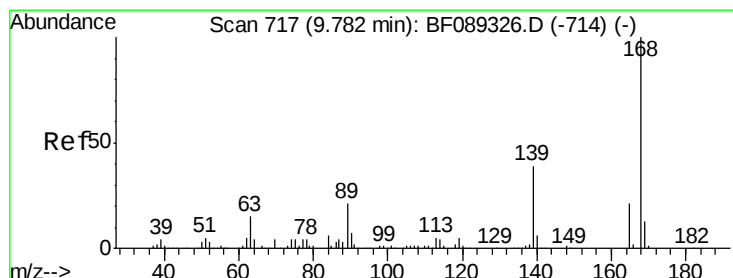
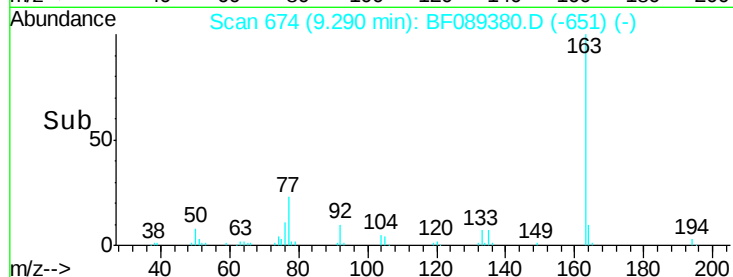
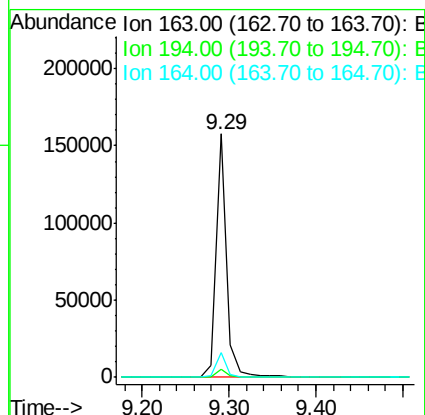
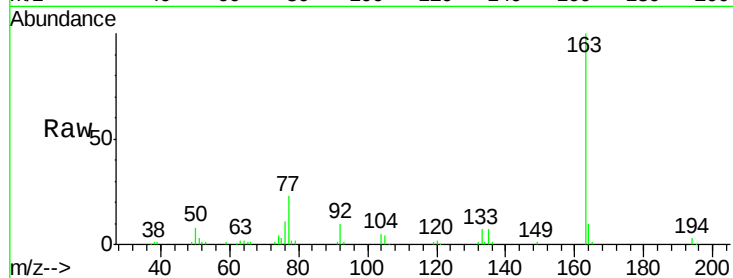




#49
Dimethylphthalate
Concen: 17.95 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

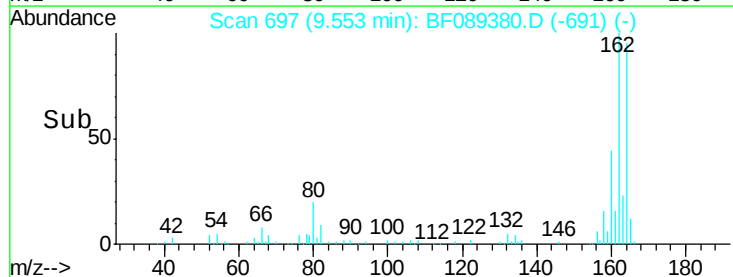
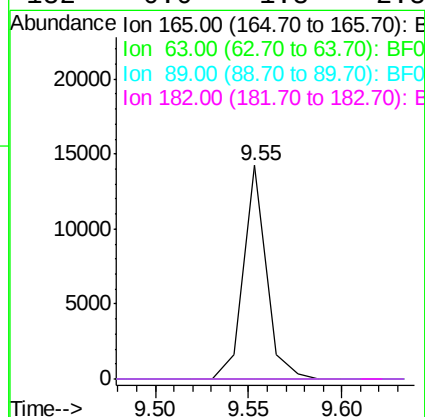
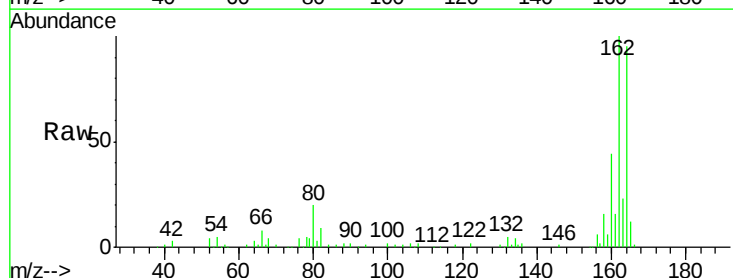
Instrument :
BNA_F
ClientSampleId :
SB-39-0.5-1.5

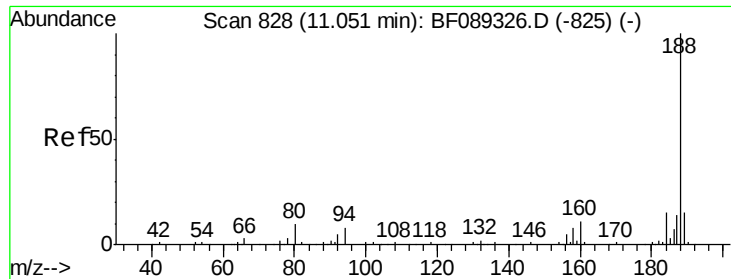
Tgt Ion:163 Resp: 134525
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.1 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

Tgt Ion:165 Resp: 12198
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#

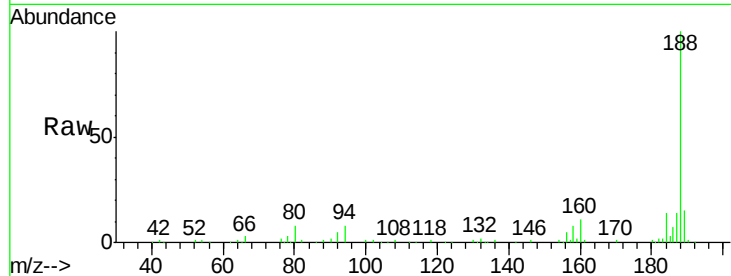




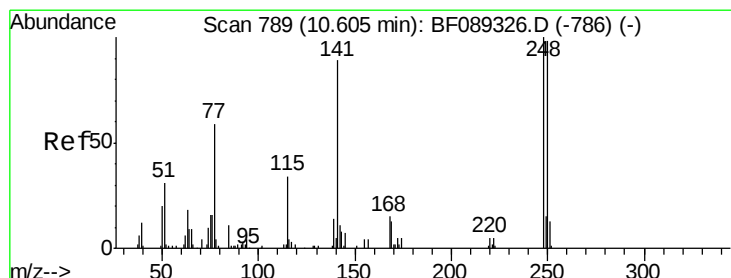
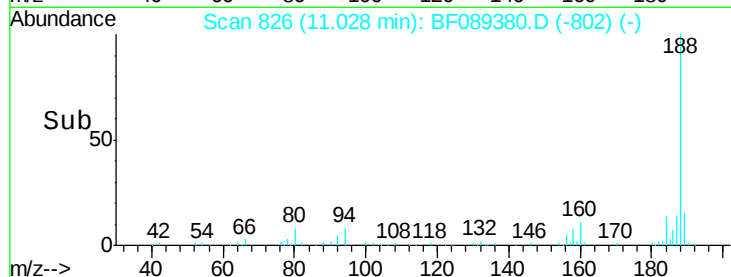
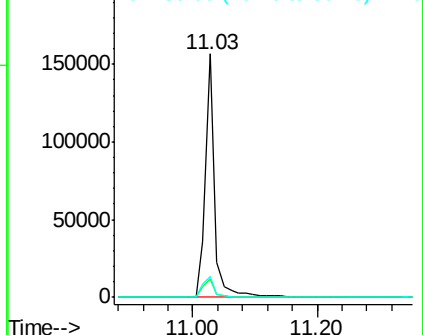
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-39-0.5-1.5

Tgt Ion:188 Resp: 164025
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.5 9.7
 80 8.4 7.2 10.8

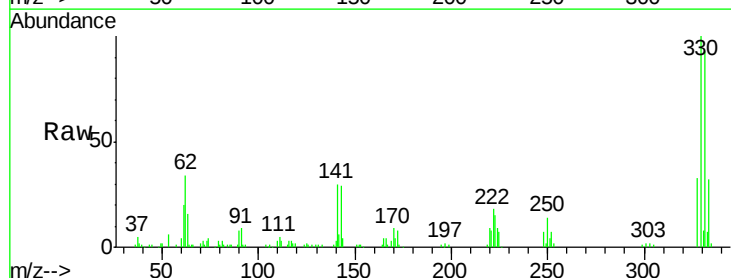


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

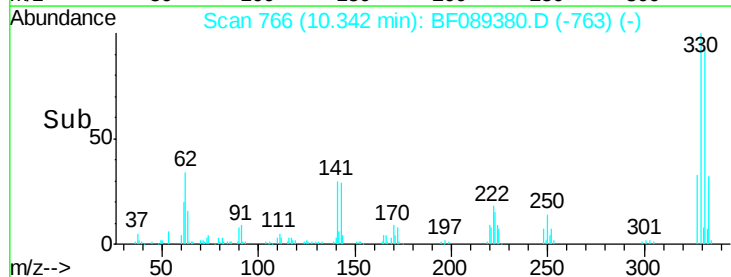
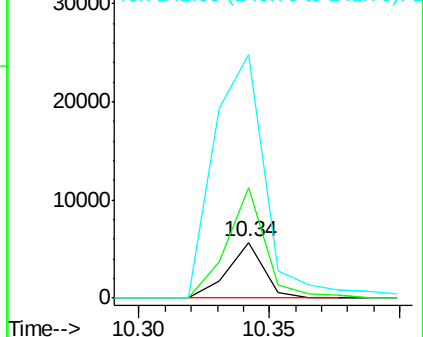


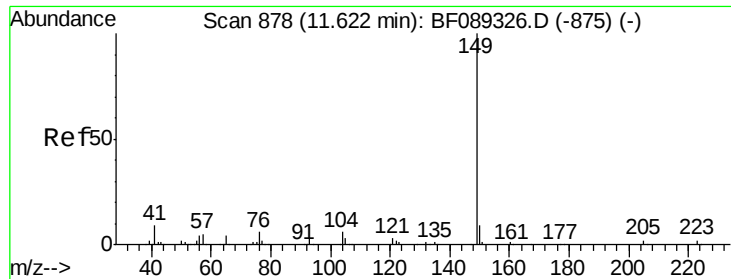
#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Tgt Ion:248 Resp: 5482
 Ion Ratio Lower Upper
 248 100
 250 199.0 78.2 117.2#
 141 436.8 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

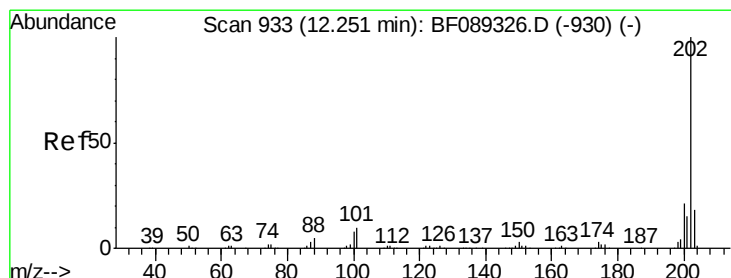
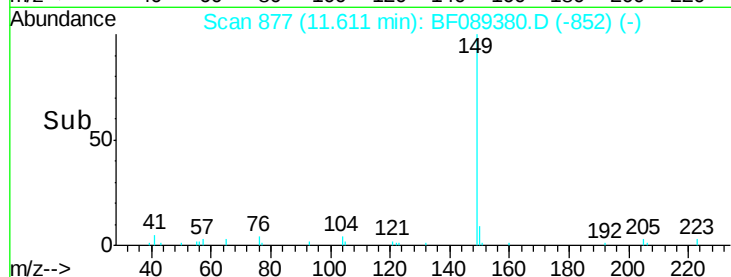
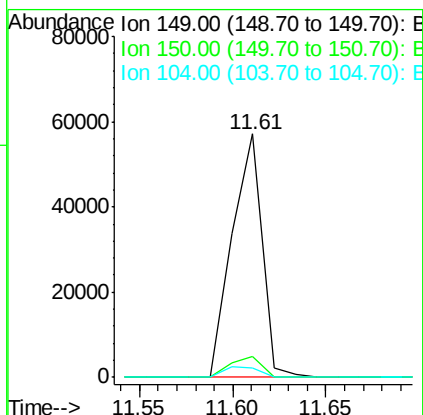
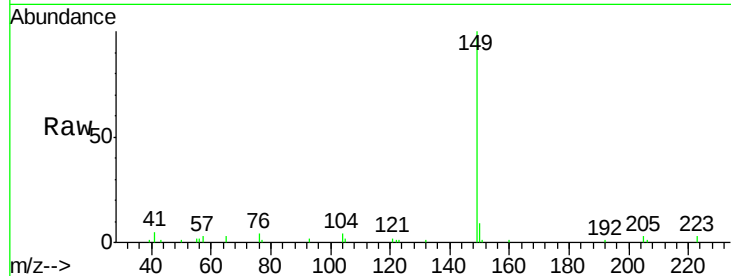




#73
Di-n-butylphthalate
Concen: 6.06 ng
RT: 11.61 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

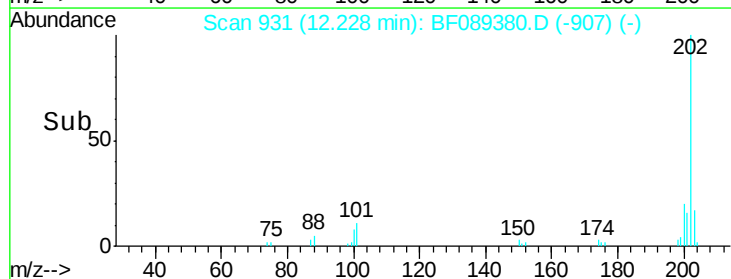
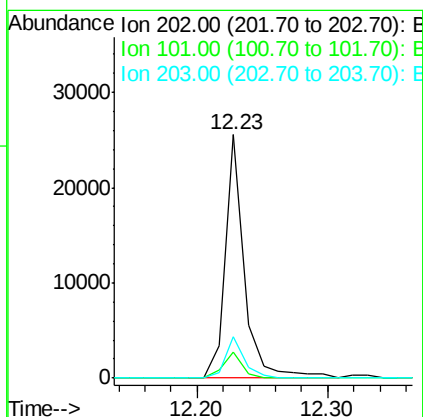
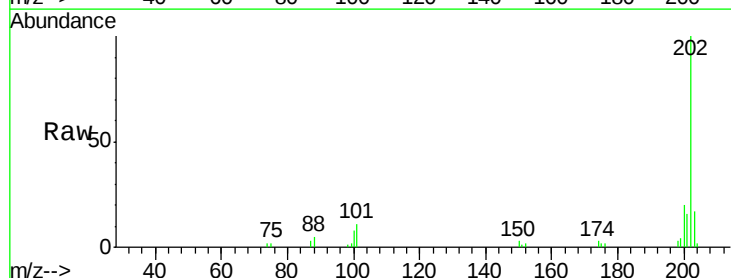
Instrument :
BNA_F
ClientSampleId :
SB-39-0.5-1.5

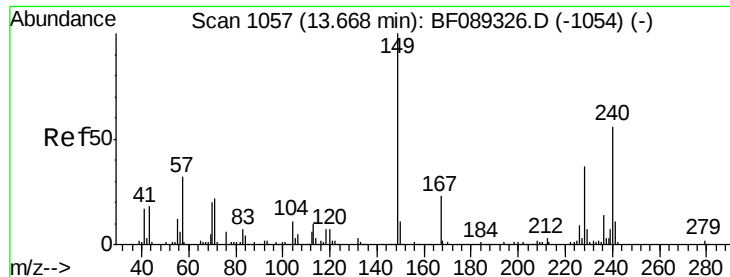
Tgt Ion:149 Resp: 64416
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 4.0 4.7 7.1#



#74
Fluoranthene
Concen: 2.91 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

Tgt Ion:202 Resp: 25936
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.9
203 17.1 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5

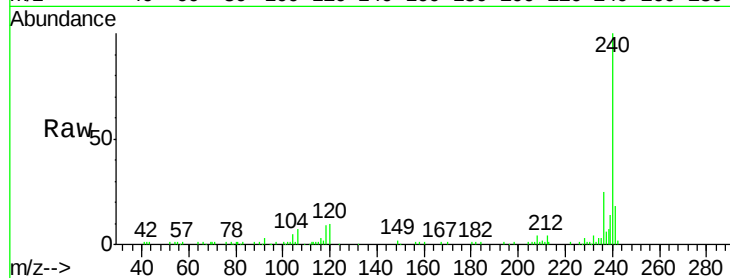
Tgt Ion:240 Resp: 98183

Ion Ratio Lower Upper

240 100

120 10.2 9.1 13.7

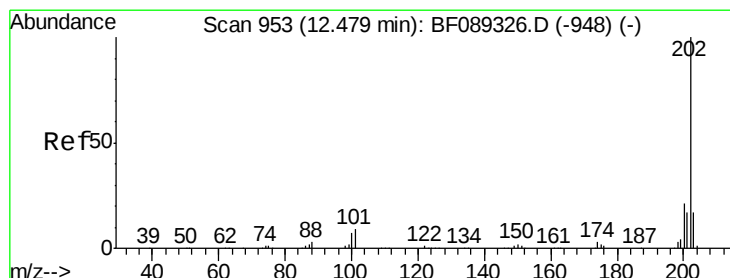
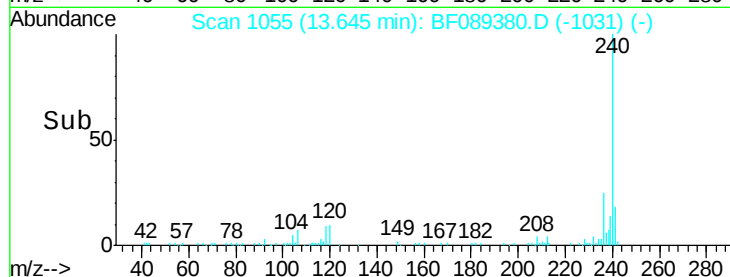
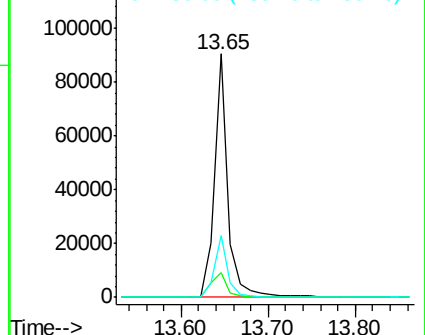
236 25.5 20.6 30.8



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



#77

Pyrene

Concen: 3.08 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089380.D

Acq: 28 Jul 2016 23:41

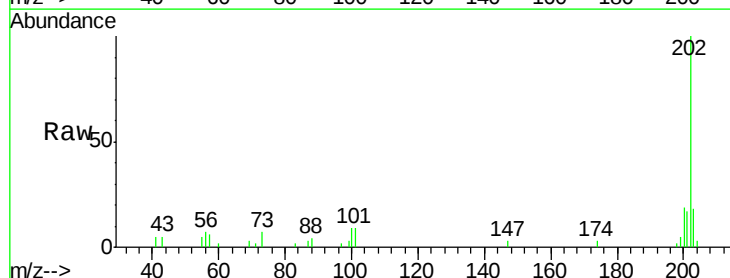
Tgt Ion:202 Resp: 22913

Ion Ratio Lower Upper

202 100

200 19.5 16.9 25.3

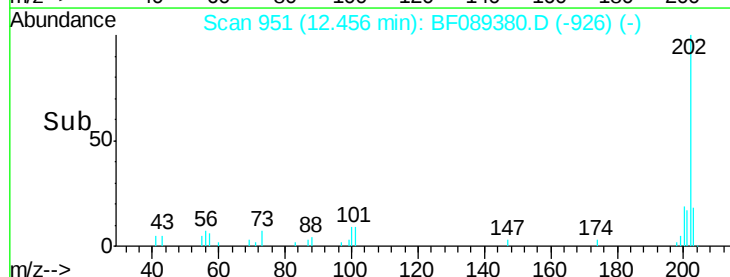
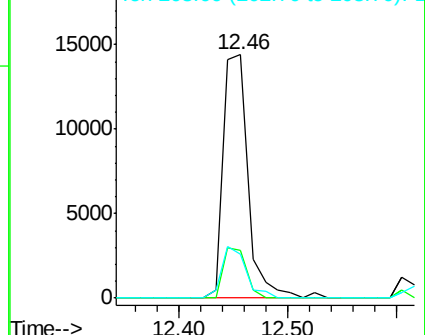
203 18.0 14.0 21.0

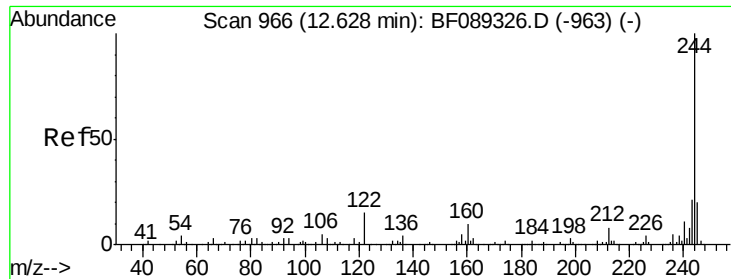


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

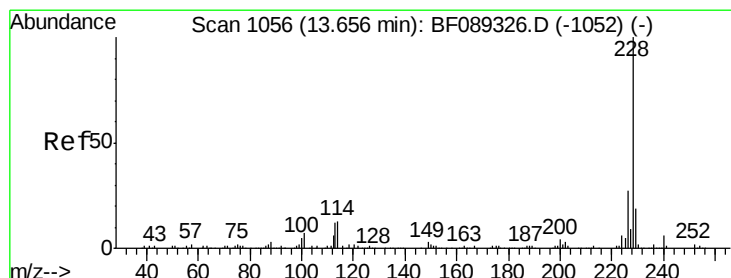
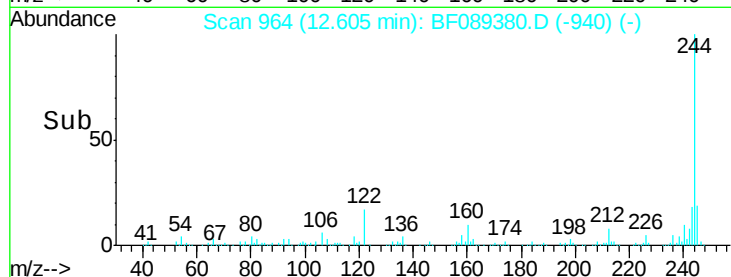
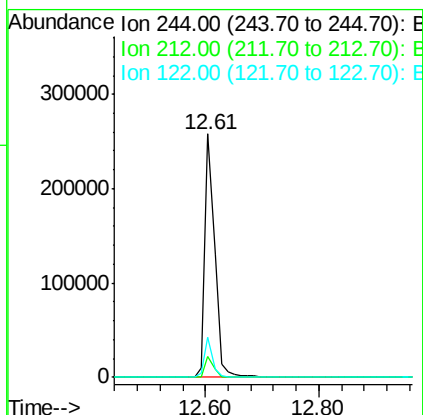
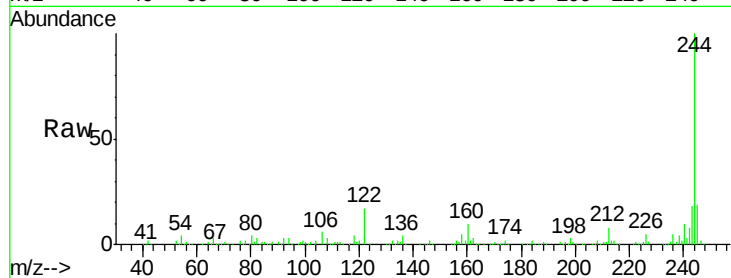




#78
 Terphenyl-d14
 Concen: 70.96 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

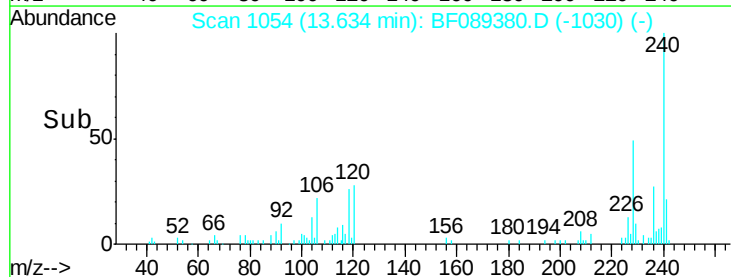
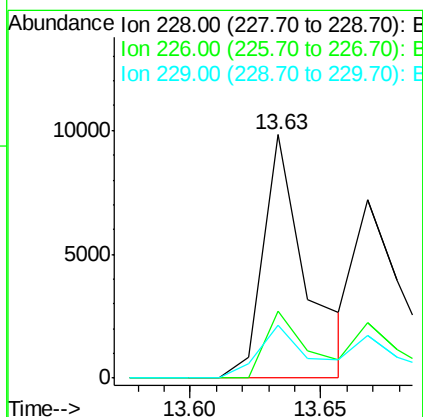
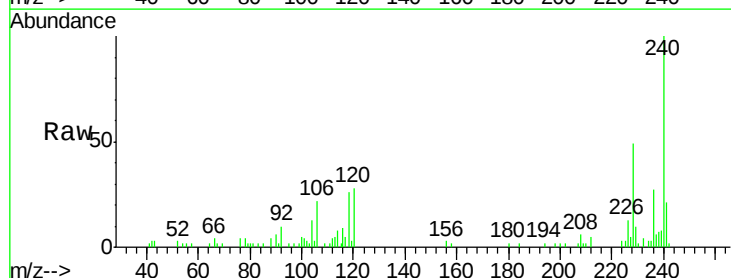
Instrument :
 BNA_F
 ClientSampleId :
 SB-39-0.5-1.5

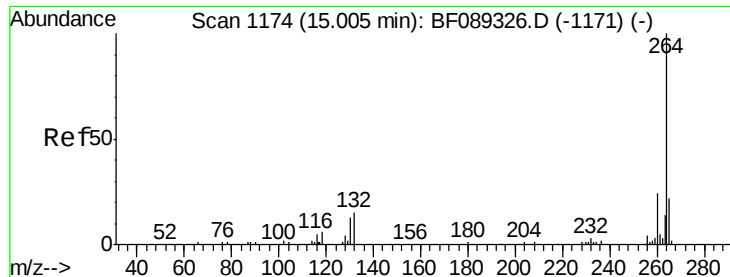
Tgt Ion:244 Resp: 297665
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 16.7 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 2.04 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089380.D
 Acq: 28 Jul 2016 23:41

Tgt Ion:228 Resp: 11305
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.2
 229 21.5 15.9 23.9

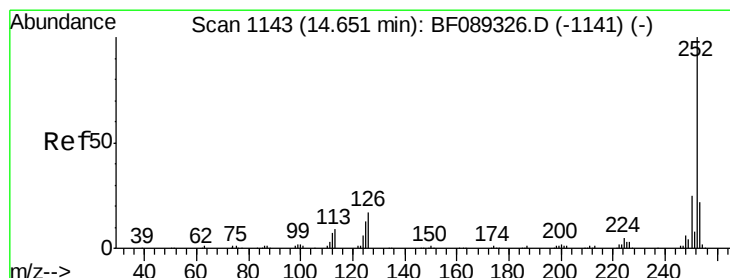
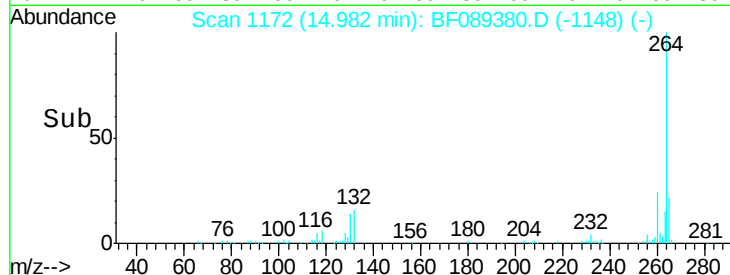
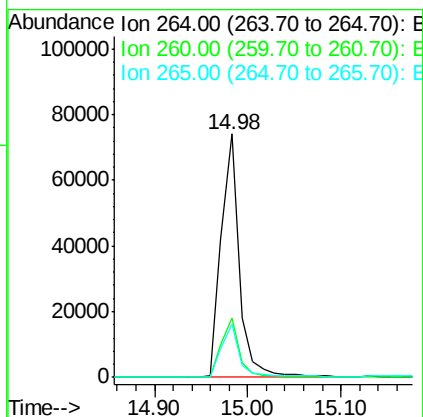
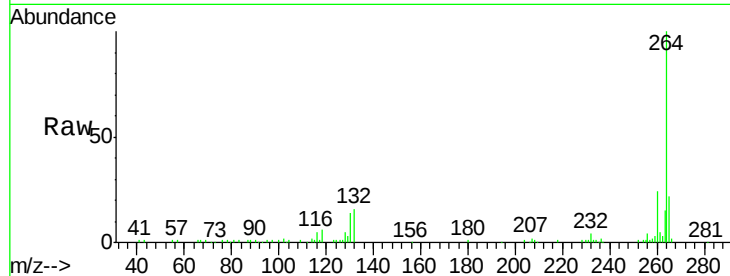




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

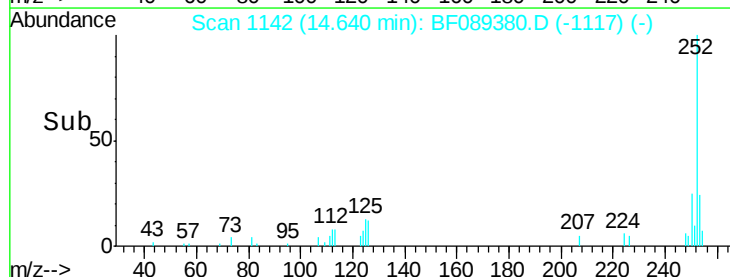
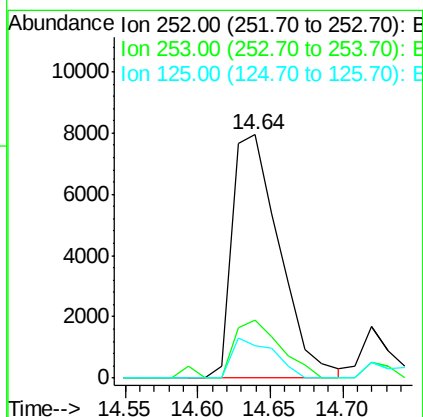
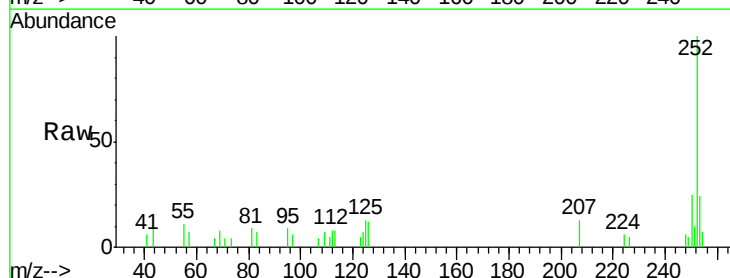
Instrument :
BNA_F
ClientSampleId :
SB-39-0.5-1.5

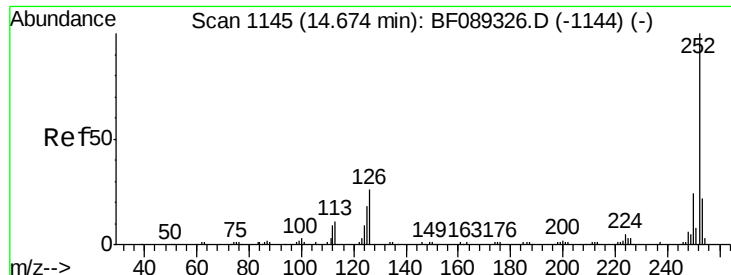
Tgt Ion: 264 Resp: 100670
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.87 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089380.D
Acq: 28 Jul 2016 23:41

Tgt Ion: 252 Resp: 17944
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 13.4 9.7 14.5





#88

Benzo(k)fluoranthene

Concen: 3.12 ng

RT: 14.64 min Scan# 1142

Delta R.T. -0.03 min

Lab File: BF089380.D

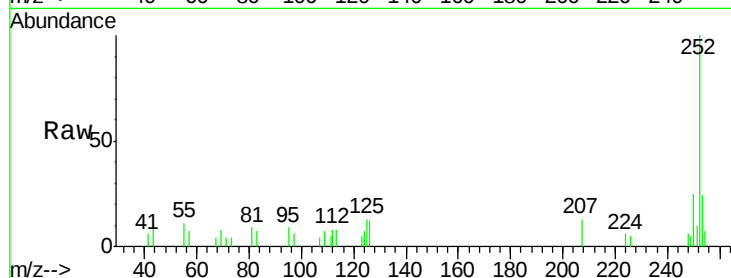
Acq: 28 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

SB-39-0.5-1.5



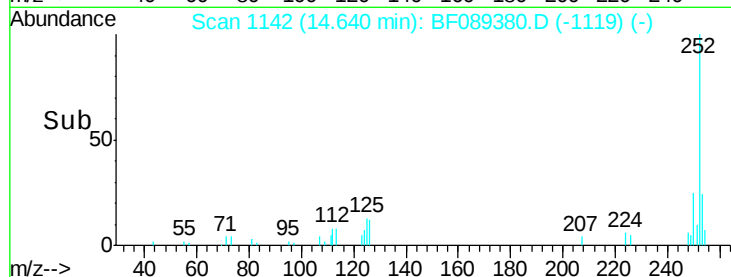
Tgt Ion: 252 Resp: 17944

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 13.4 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

