

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089382.D
 Acq On : 29 Jul 2016 00:39
 Operator : UM/SJ
 Sample : H4176-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-0.5-1.0

Quant Time: Jul 29 01:34:51 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	49859	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	196389	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	92322	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	146886	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	96371	20.00	ng	-0.02
86) Perylene-d12	14.98	264	96765	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	298787	95.69	ng	-0.01
7) Phenol-d6	6.18	99	387399	93.88	ng	-0.02
23) Nitrobenzene-d5	7.10	82	256354	77.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	72714	95.10	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	456583	72.58	ng	-0.02
78) Terphenyl-d14	12.61	244	282449	68.60	ng	-0.02

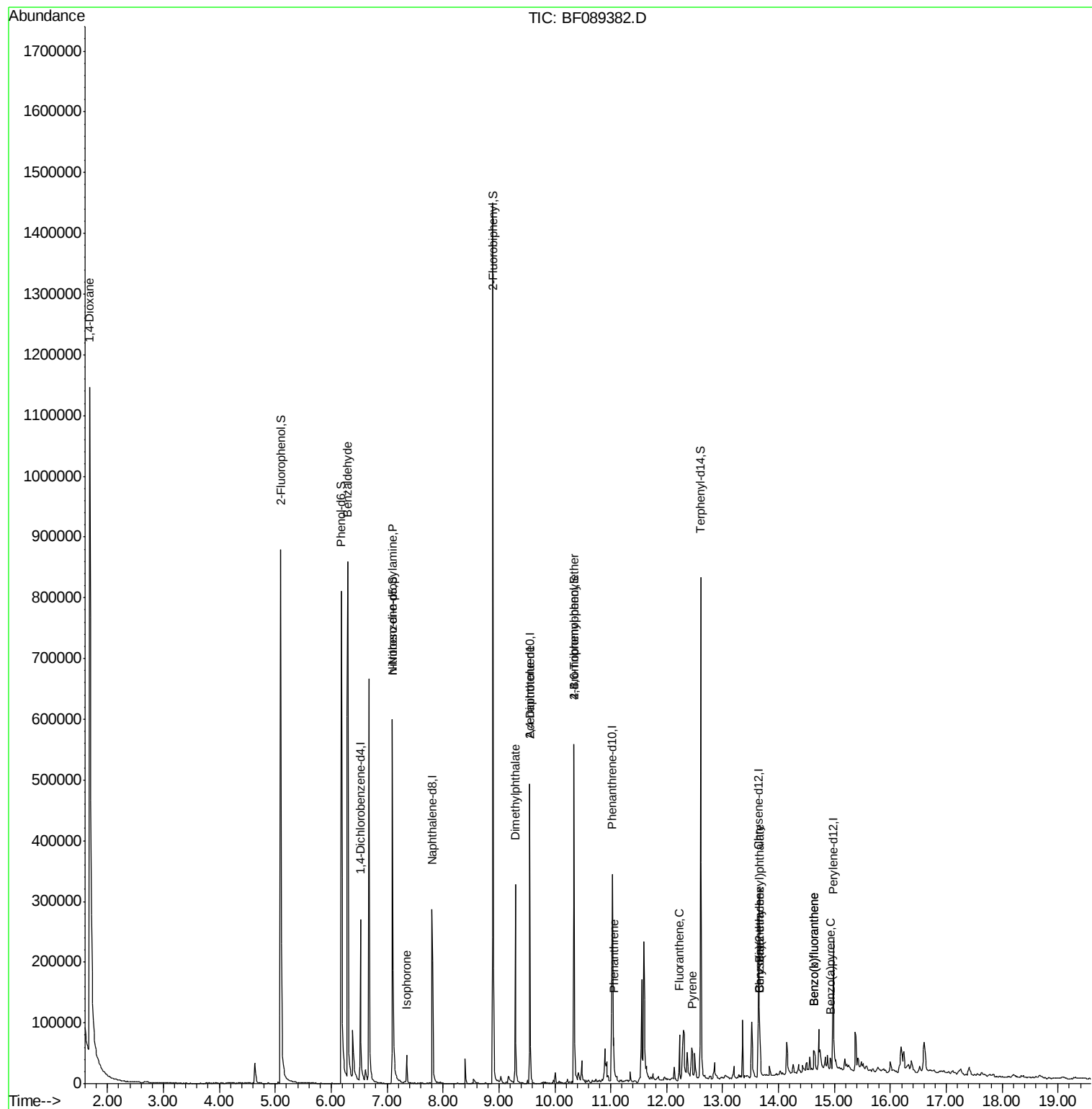
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	68382	49.14	ng	# 26
9) Benzaldehyde	6.30	77	7798	3.87	ng	86
19) n-Nitroso-di-n-propylamine	7.10	70	33883	13.62	ng	# 83
25) Isophorone	7.35	82	32936	4.91	ng	# 94
49) Dimethylphthalate	9.29	163	122465	17.43	ng	99
56) 2,4-Dinitrotoluene	9.55	165	11311	5.95	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5410	3.86	ng	# 1
70) Phenanthrene	11.05	178	24253	3.20	ng	98
74) Fluoranthene	12.23	202	35228	4.42	ng	98
77) Pyrene	12.46	202	26059	3.57	ng	98
80) Benzo(a)anthracene	13.67	228	24419	4.49	ng	95
82) Chrysene	13.67	228	24419	4.22	ng	99
83) Bis(2-ethylhexyl)phthalate	13.66	149	19176	3.99	ng	# 95
87) Benzo(b)fluoranthene	14.63	252	26217	4.36	ng	# 93
88) Benzo(k)fluoranthene	14.63	252	26217	4.75	ng	# 95
89) Benzo(a)pyrene	14.94	252	10856	2.01	ng	96

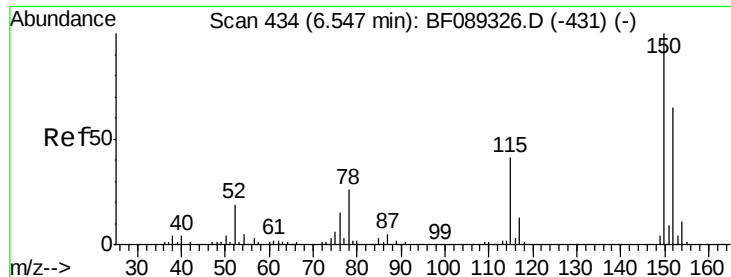
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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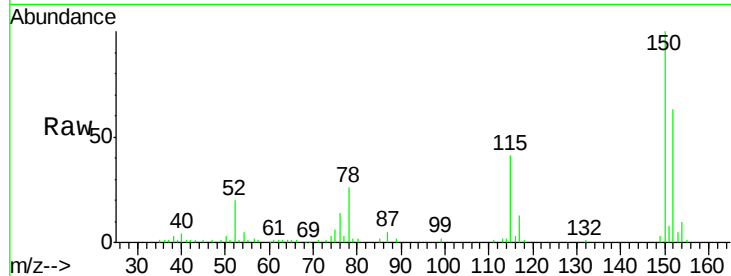


#1

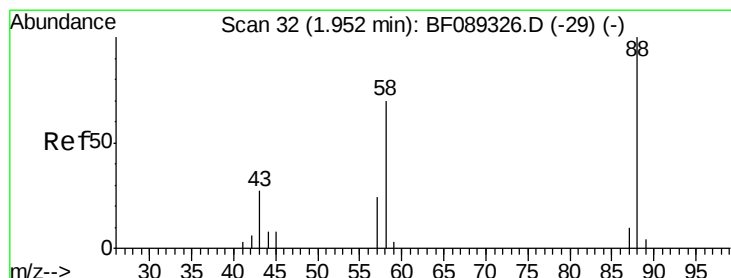
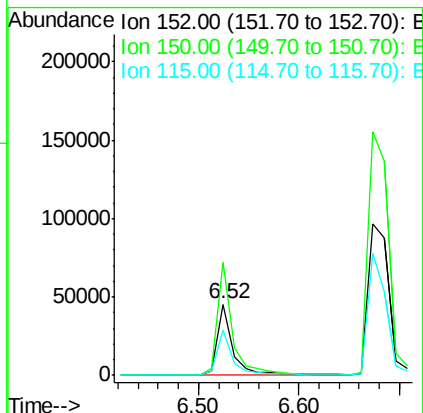
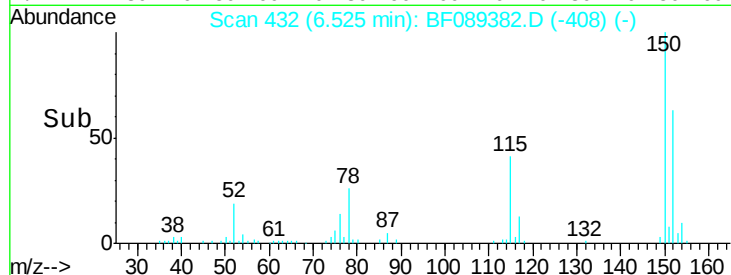
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:152 Resp: 49859
Ion Ratio Lower Upper
152 100
150 158.6 129.5 194.3
115 64.4 51.4 77.2



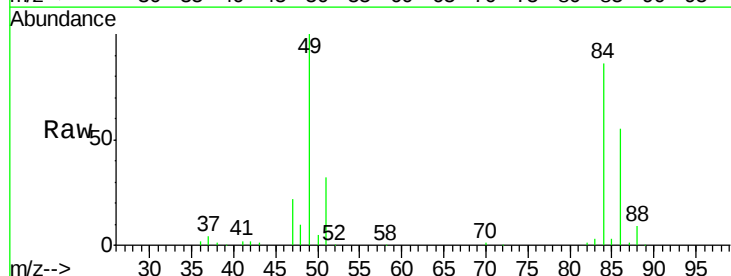
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



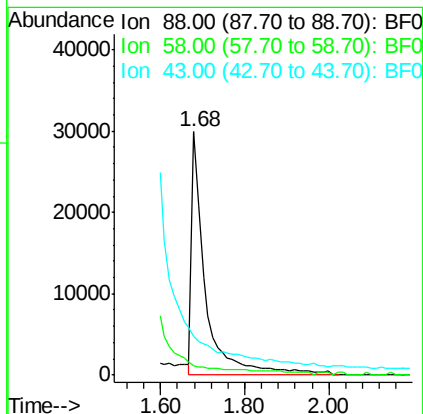
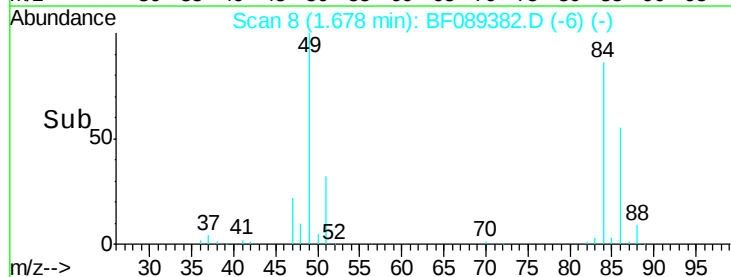
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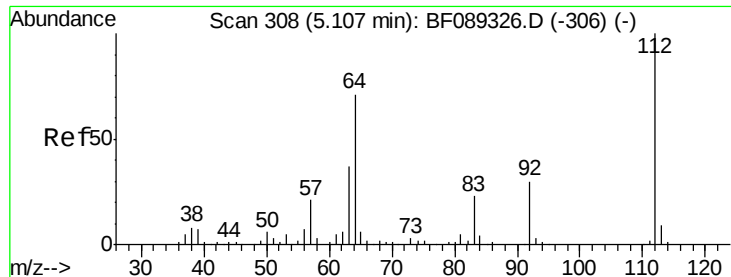
1,4-Dioxane
Concen: 49.14 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 88 Resp: 68382
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: 95.69 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

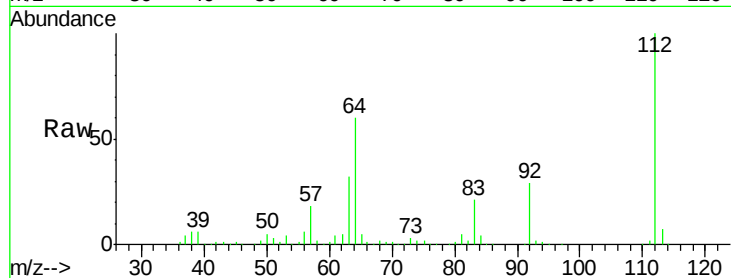
Tgt Ion: 112 Resp: 298787

Ion Ratio Lower Upper

112 100

64 59.6 55.0 82.6

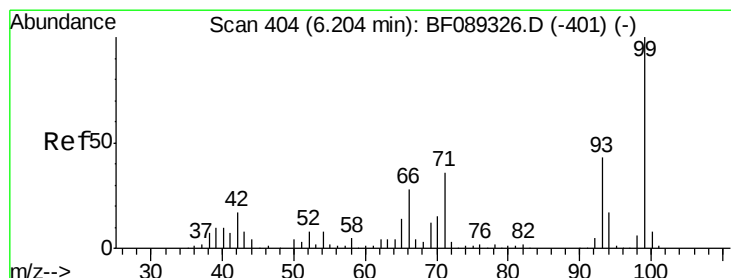
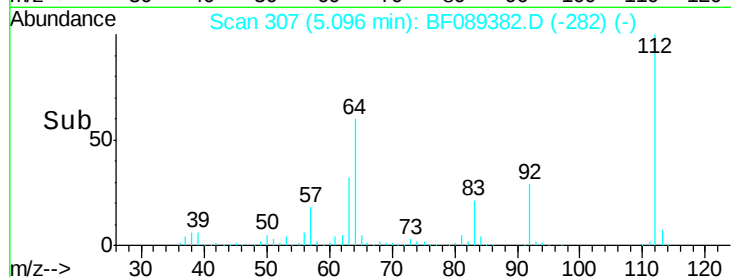
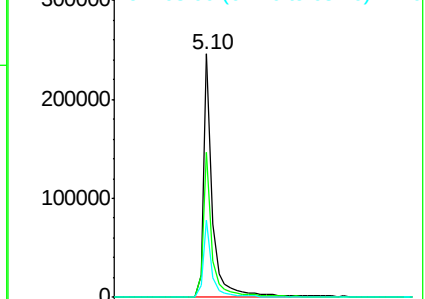
63 31.7 29.4 44.2



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: 93.88 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

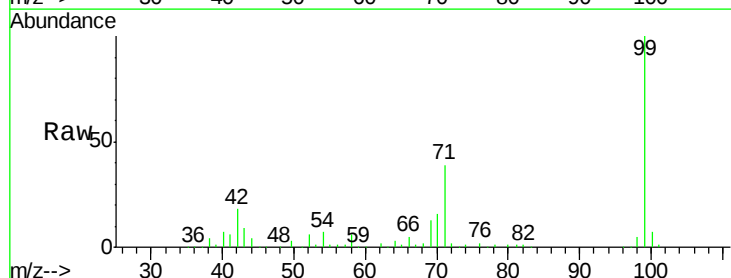
Tgt Ion: 99 Resp: 387399

Ion Ratio Lower Upper

99 100

42 18.5 13.6 20.4

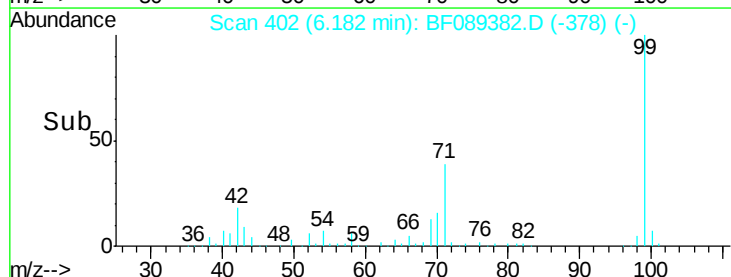
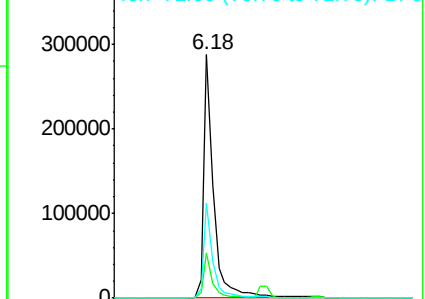
71 38.9 29.4 44.2

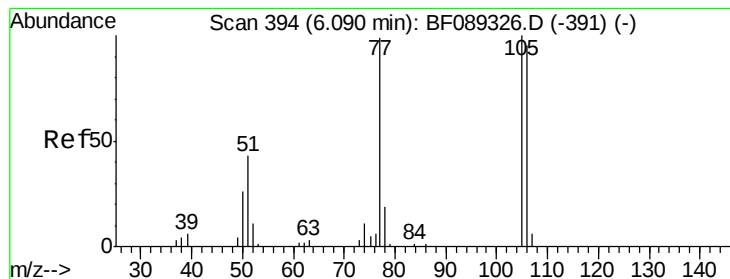


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.87 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.21 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

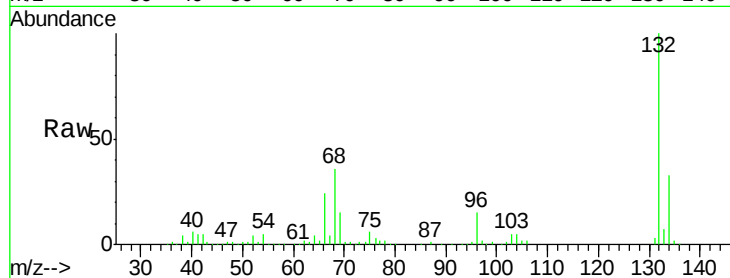
Tgt Ion: 77 Resp: 7798

Ion Ratio Lower Upper

77 100

105 90.4 82.9 122.9

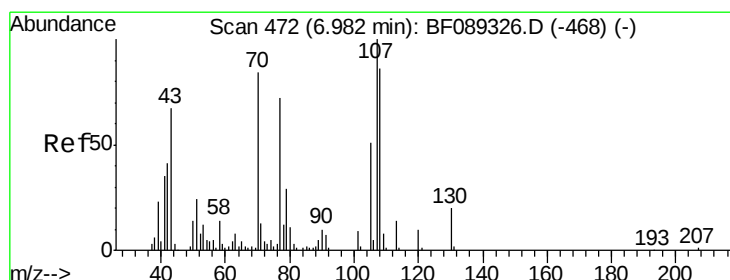
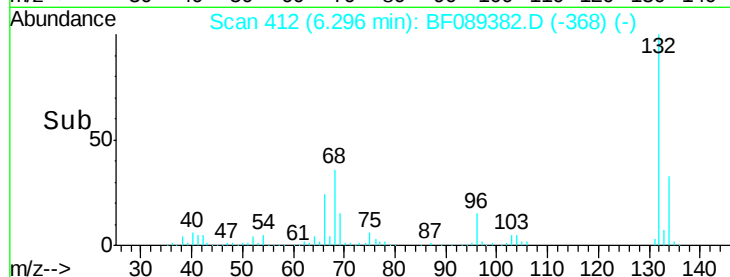
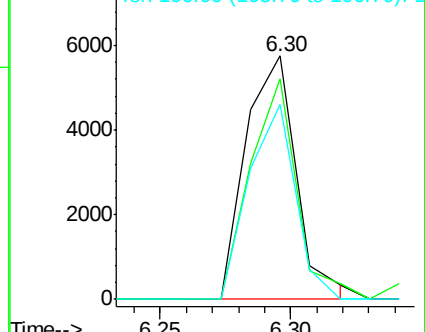
106 80.2 75.9 115.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.62 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Tgt Ion: 70 Resp: 33883

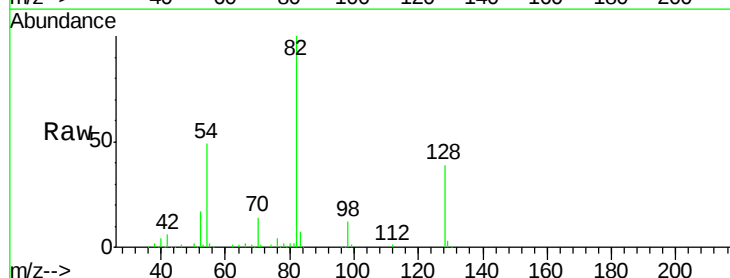
Ion Ratio Lower Upper

70 100

42 47.6 38.6 57.8

101 0.0 8.3 12.5#

130 2.2 19.0 28.4#

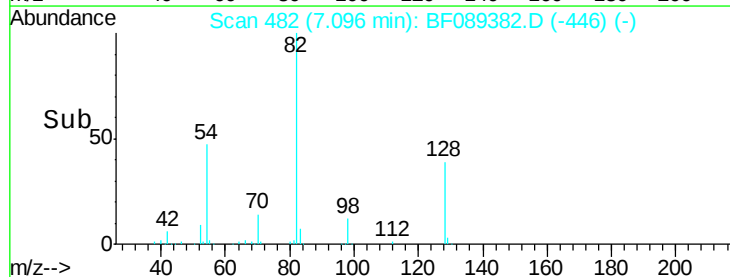
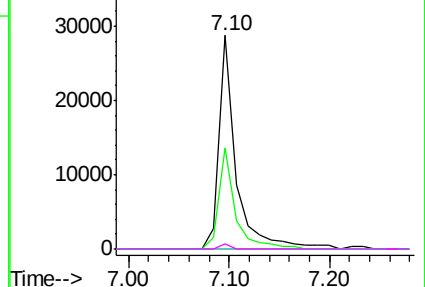


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

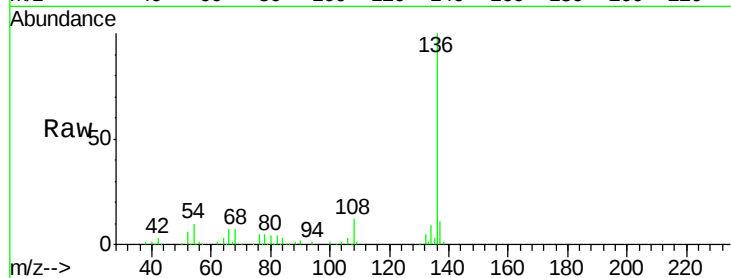




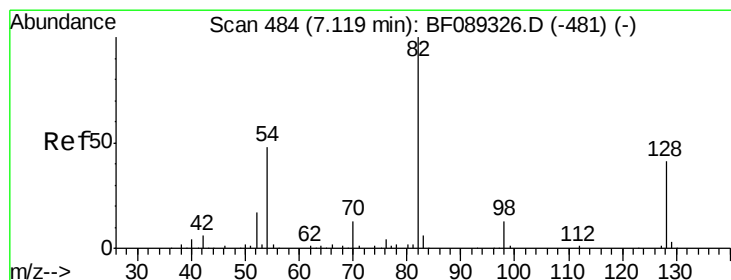
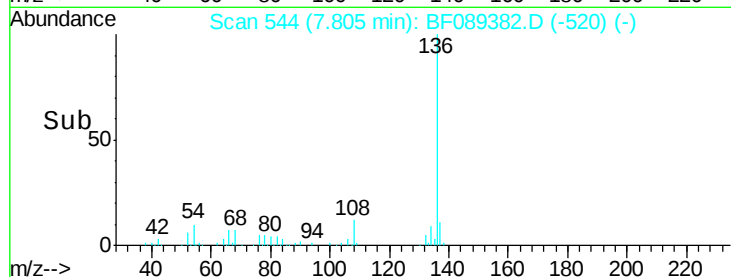
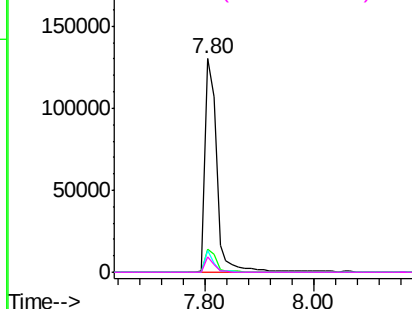
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:	136	Resp:	196389
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	7.0	10.4
68	7.2	4.9	7.3

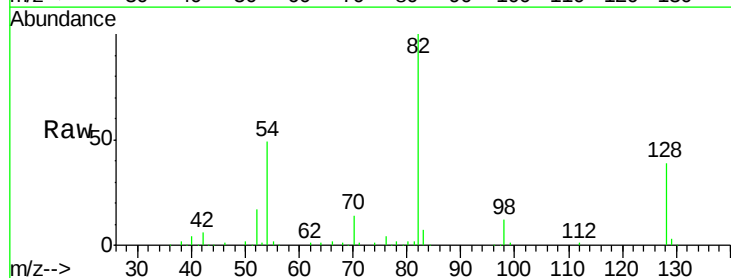


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

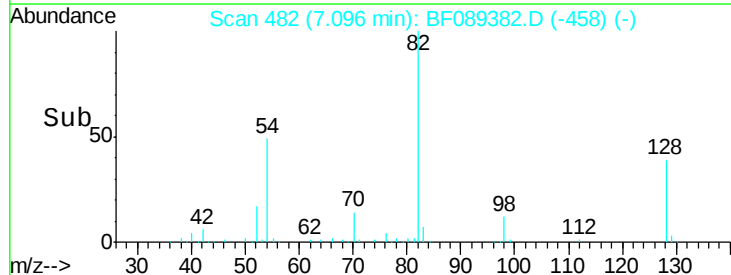
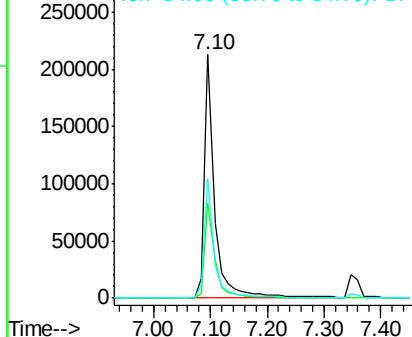


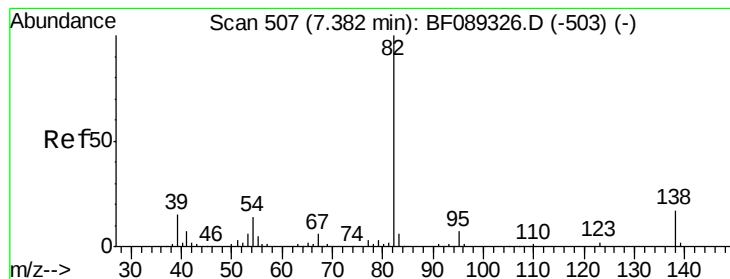
#23
Nitrobenzene-d5
Concen: 77.05 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:	82	Resp:	256354
Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.5	48.7
54	48.9	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





#25

Isophorone

Concen: 4.91 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

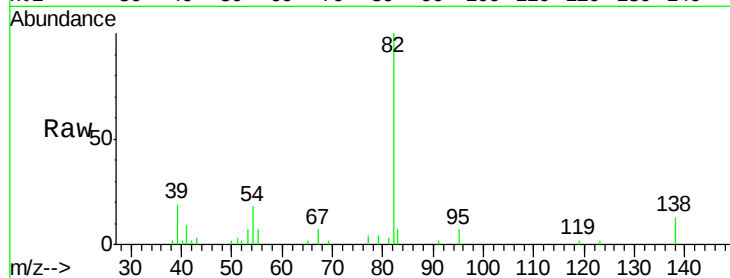
Tgt Ion: 82 Resp: 32936

Ion Ratio Lower Upper

82 100

95 7.5 6.0 9.0

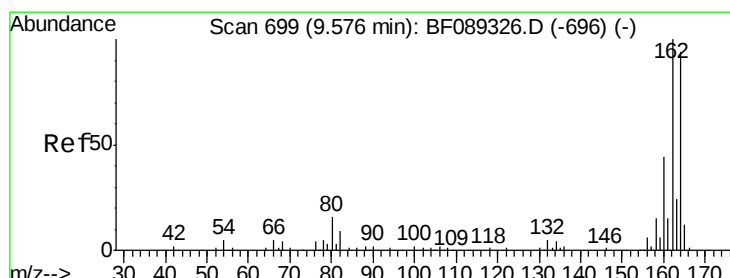
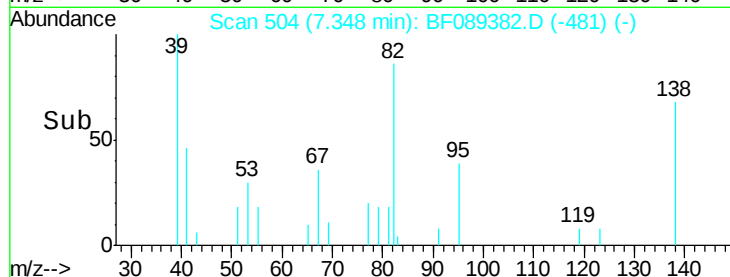
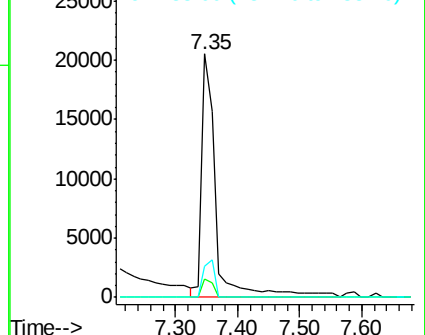
138 13.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

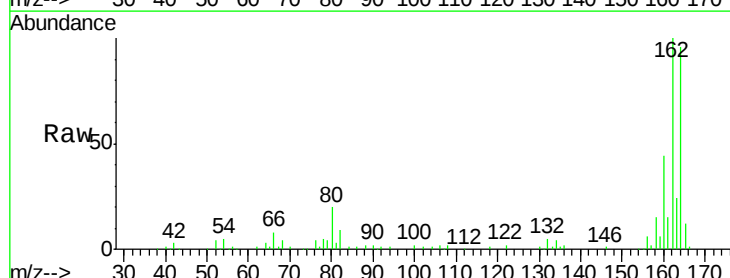
Tgt Ion: 164 Resp: 92322

Ion Ratio Lower Upper

164 100

162 103.9 83.7 125.5

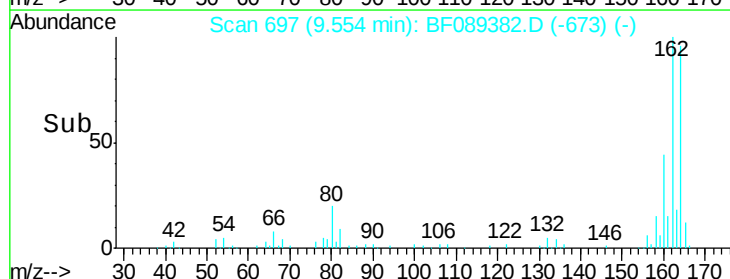
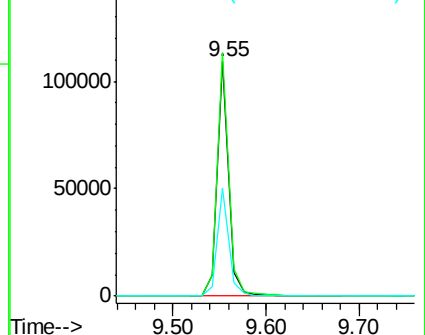
160 45.8 37.8 56.6

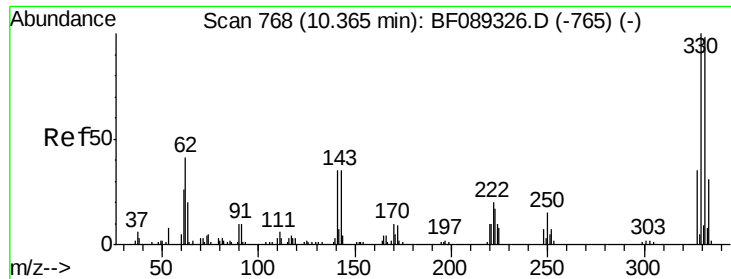


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

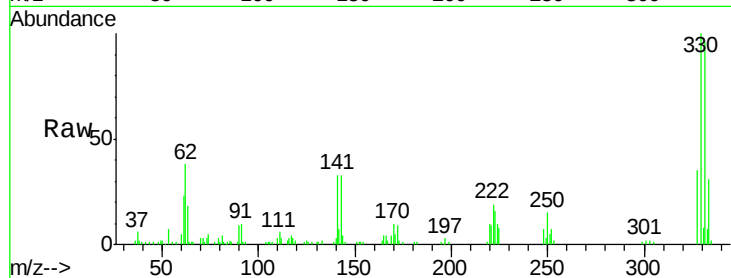




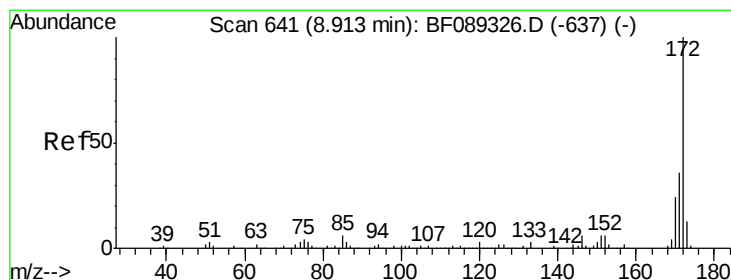
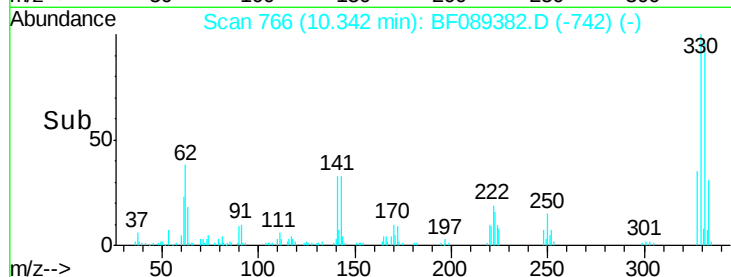
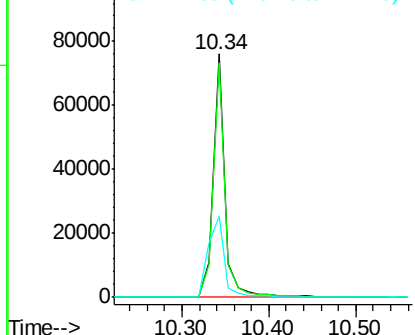
#41
 2,4,6-Tribromophenol
 Concen: 95.10 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089382.D
 Acq: 29 Jul 2016 00:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-0.5-1.0

Tgt Ion:330 Resp: 72714
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.8 115.2
 141 45.3 37.3 55.9

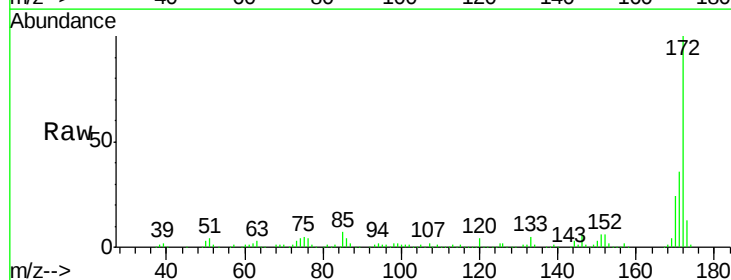


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

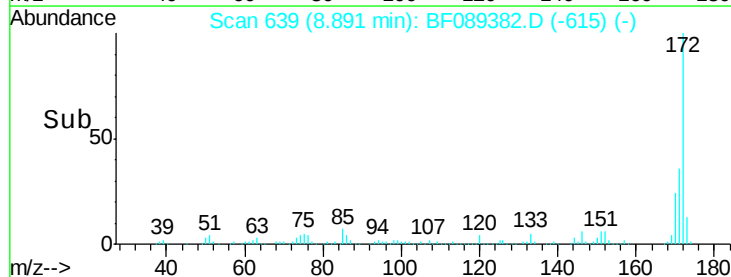
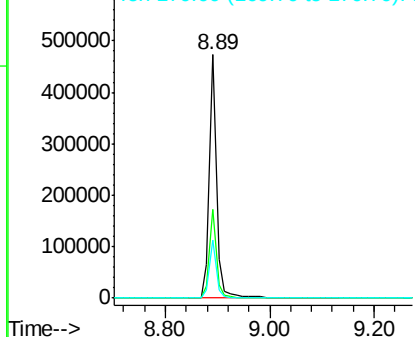


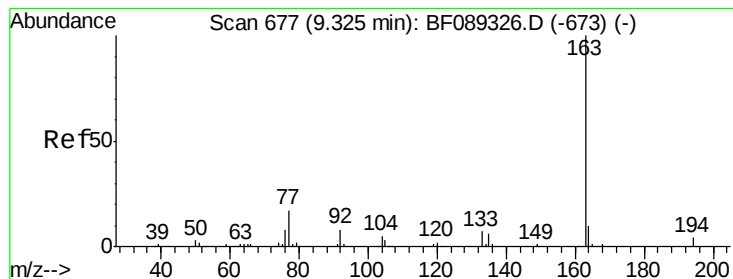
#44
 2-Fluorobiphenyl
 Concen: 72.58 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089382.D
 Acq: 29 Jul 2016 00:39

Tgt Ion:172 Resp: 456583
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.2 43.8
 170 24.1 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: 17.43 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

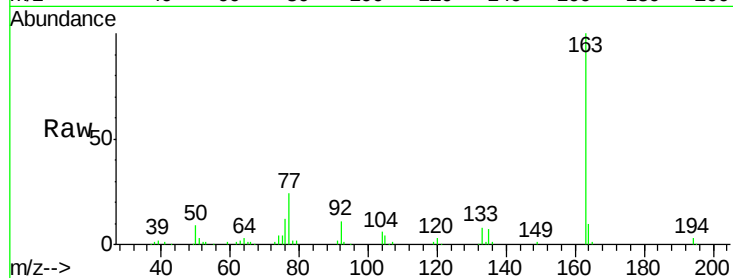
Tgt Ion:163 Resp: 122465

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

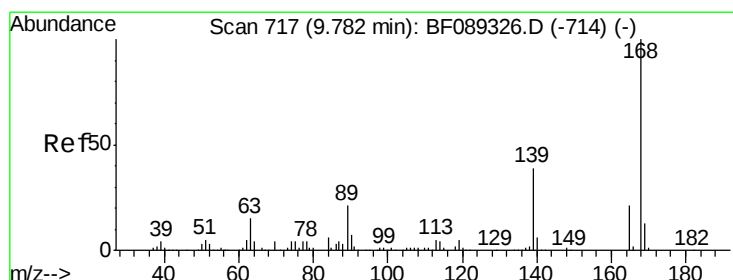
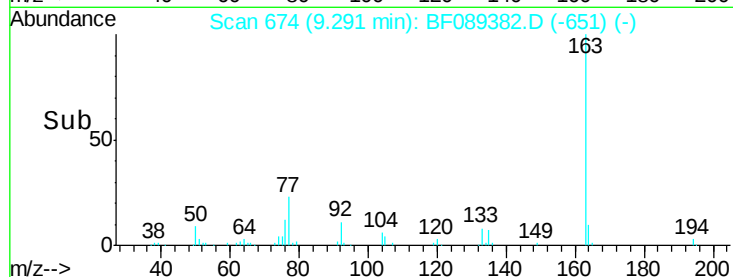
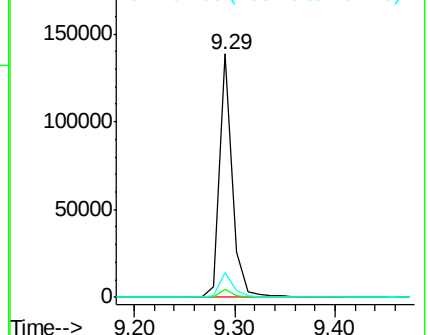
164 10.1 7.8 11.8



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



#56

2,4-Dinitrotoluene

Concen: 5.95 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.23 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Tgt Ion:165 Resp: 11311

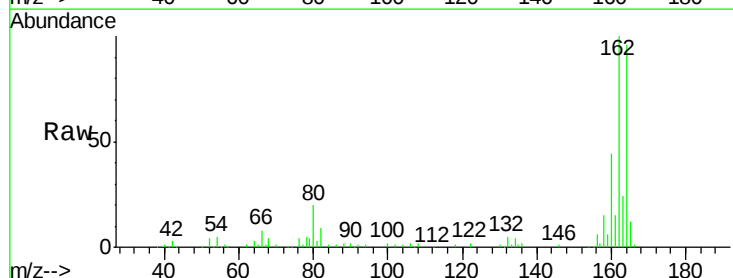
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

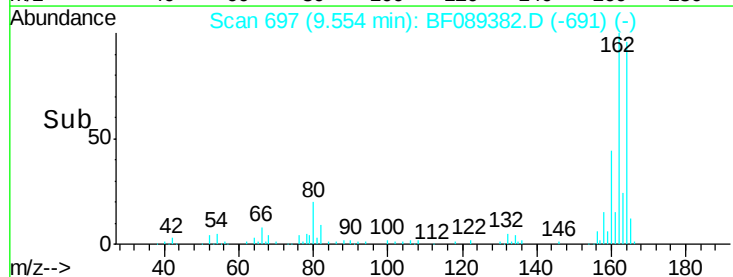
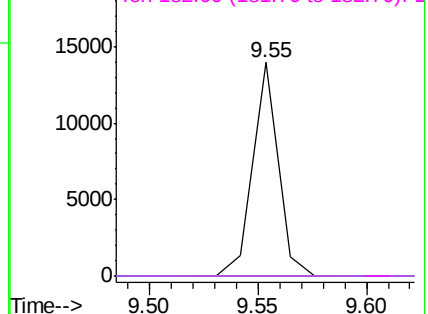


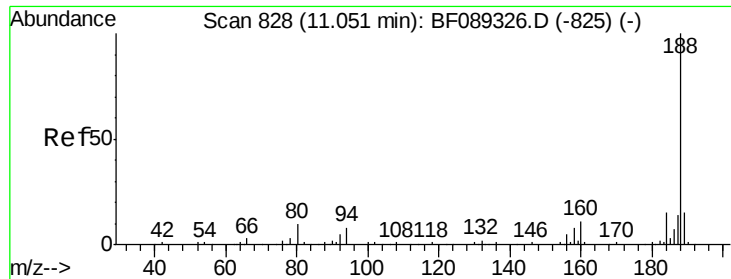
Abundance Ion 165.00 (164.70 to 165.70): E

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

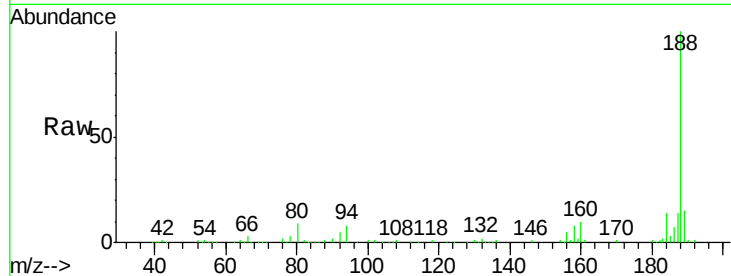




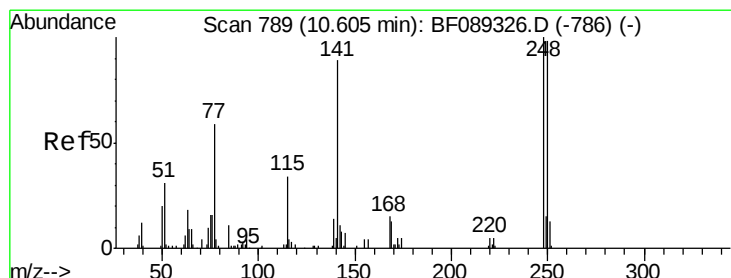
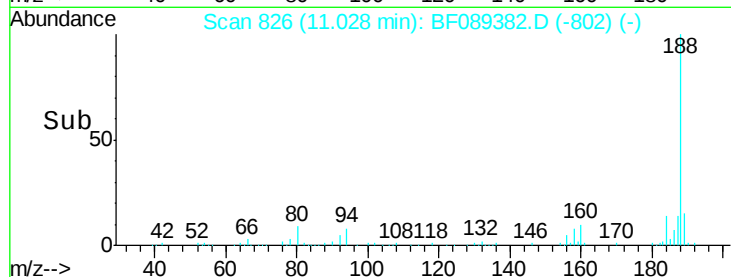
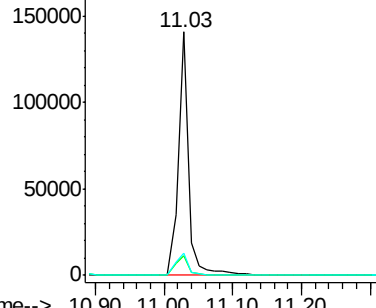
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:188 Resp: 146886
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 9.0 7.2 10.8

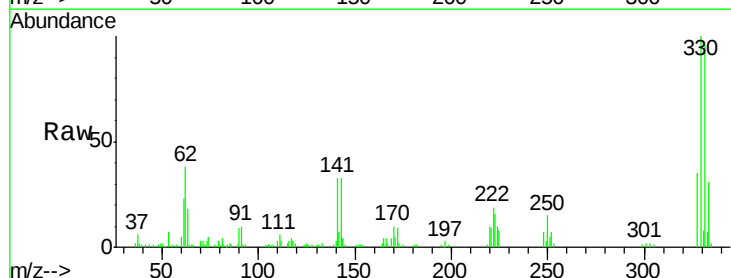


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

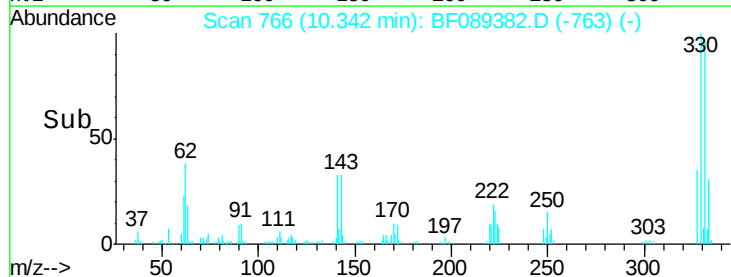
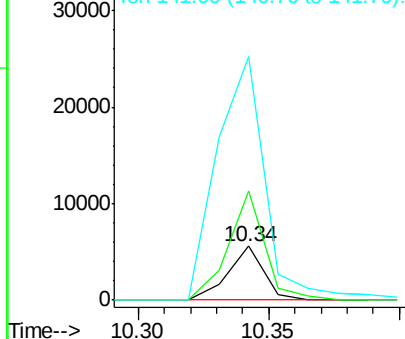


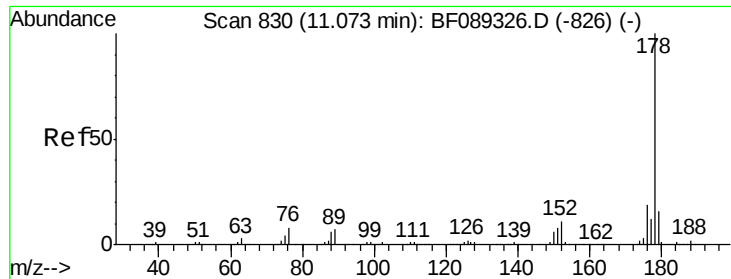
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:248 Resp: 5410
Ion Ratio Lower Upper
248 100
250 202.2 78.2 117.2#
141 451.9 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

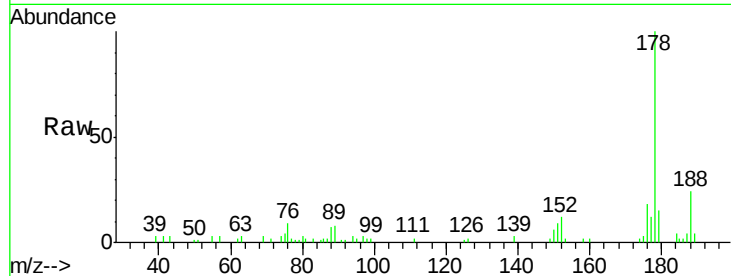




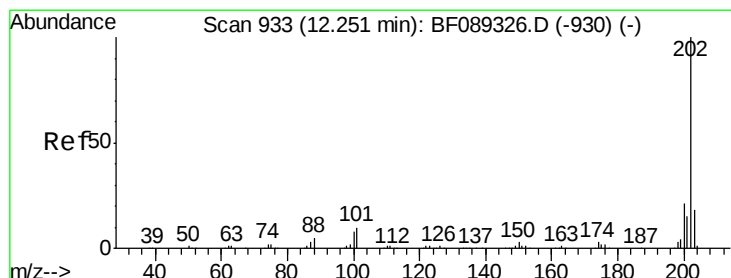
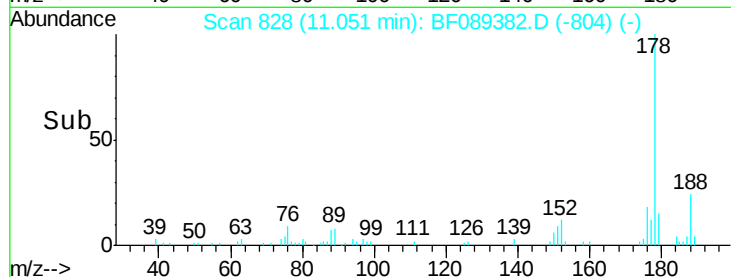
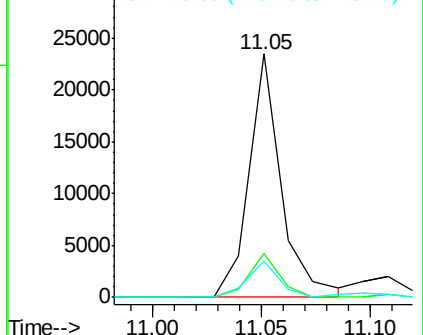
#70
Phenanthrene
Concen: 3.20 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:178 Resp: 24253
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 14.7 12.3 18.5

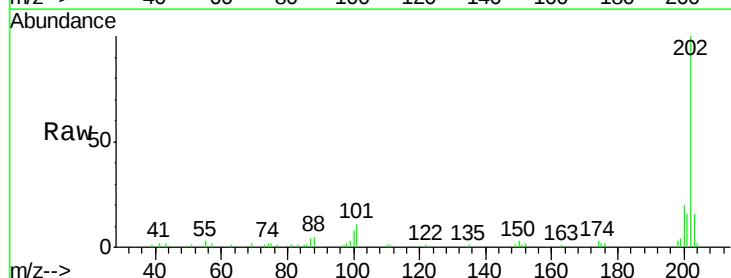


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

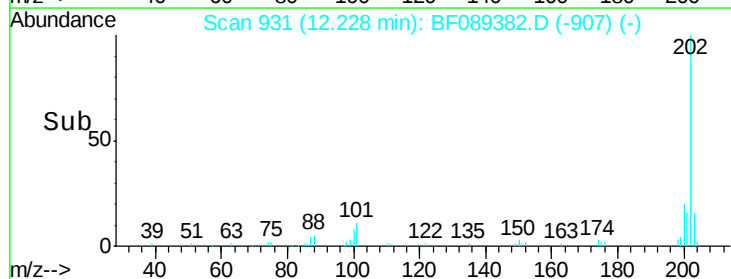
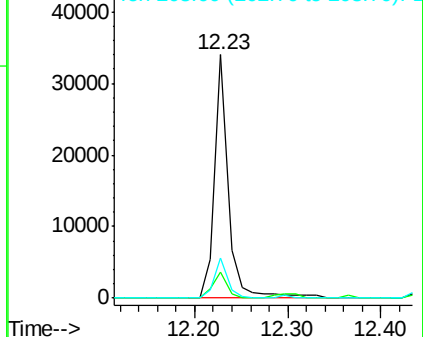


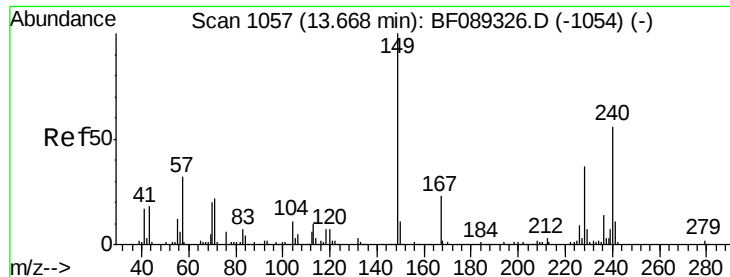
#74
Fluoranthene
Concen: 4.42 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:202 Resp: 35228
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.9
203 16.4 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: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

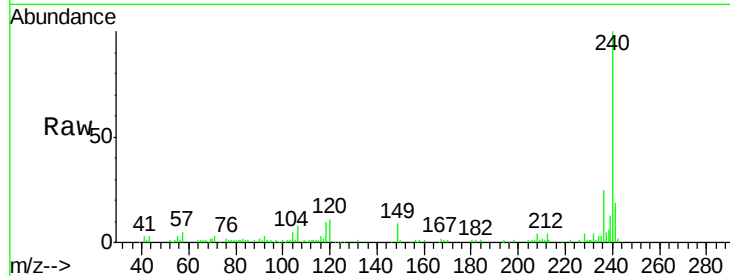
Tgt Ion:240 Resp: 96371

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

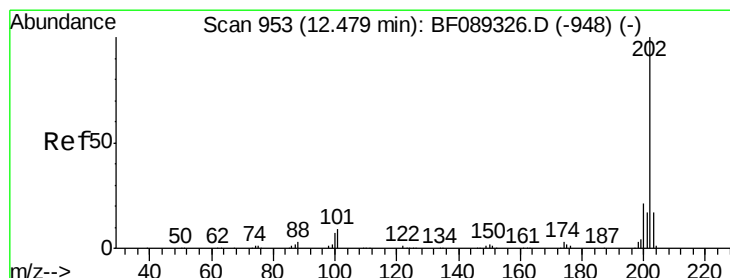
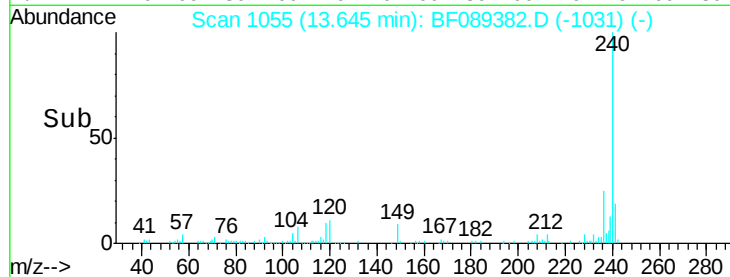
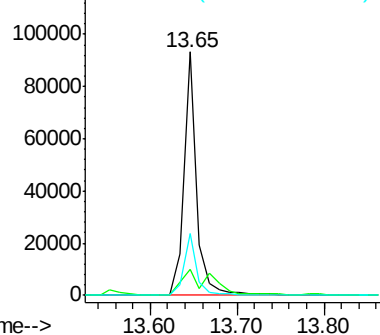
236 25.3 20.6 30.8



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: 3.57 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

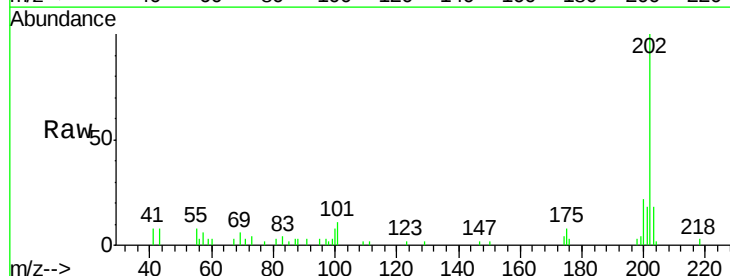
Tgt Ion:202 Resp: 26059

Ion Ratio Lower Upper

202 100

200 22.3 16.9 25.3

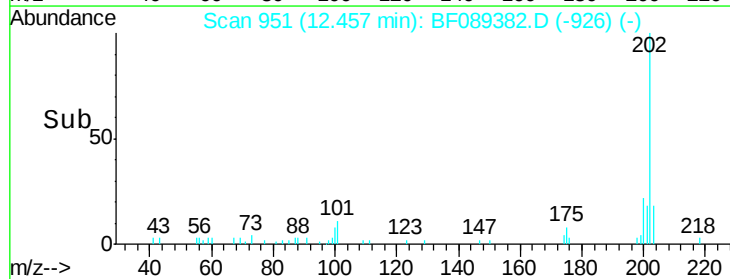
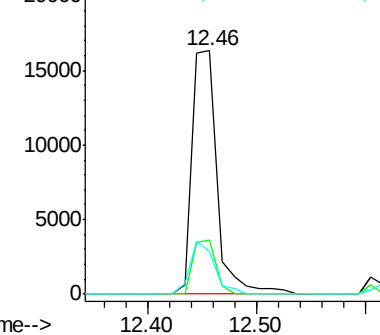
203 17.7 14.0 21.0

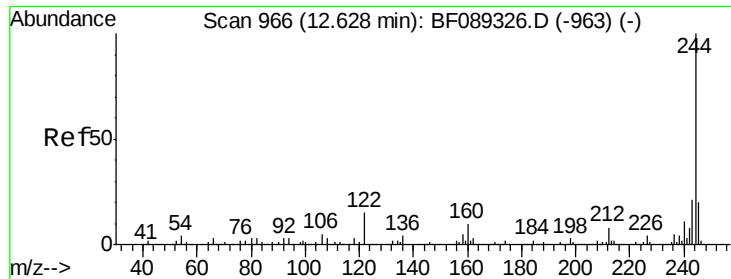


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

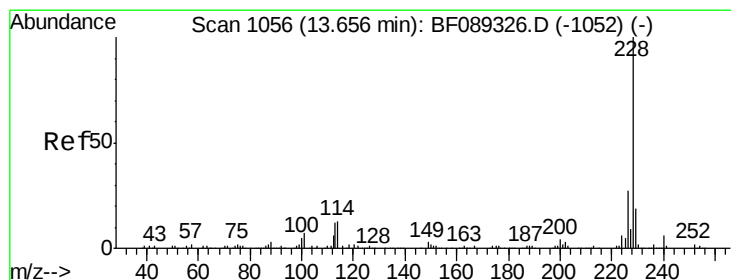
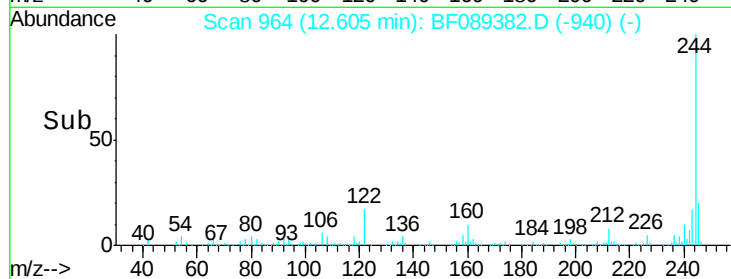
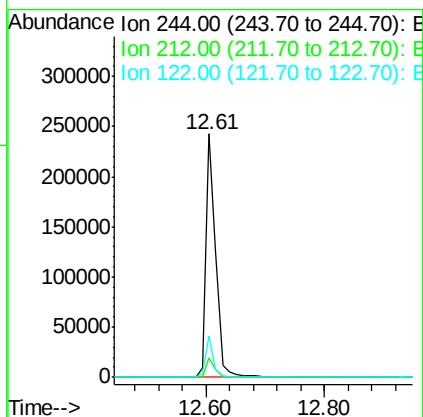
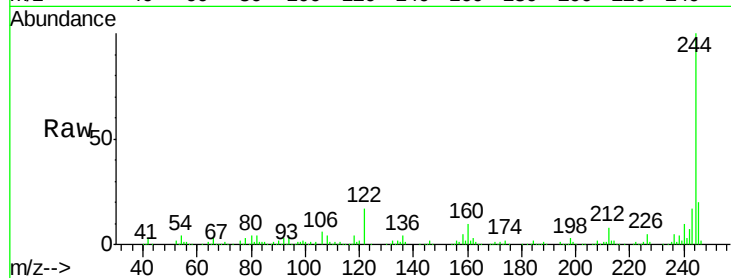




#78
 Terphenyl-d14
 Concen: 68.60 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089382.D
 Acq: 29 Jul 2016 00:39

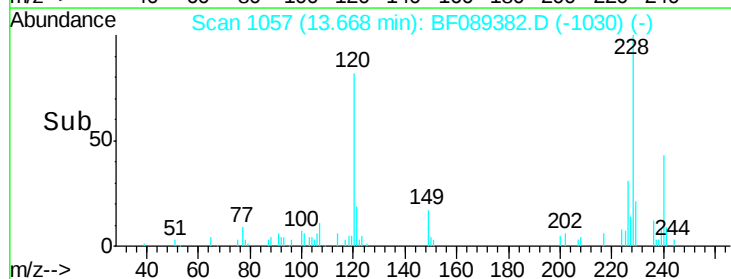
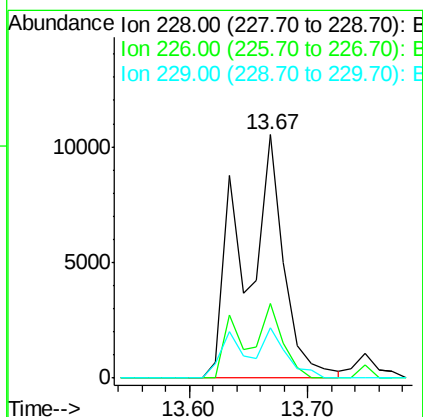
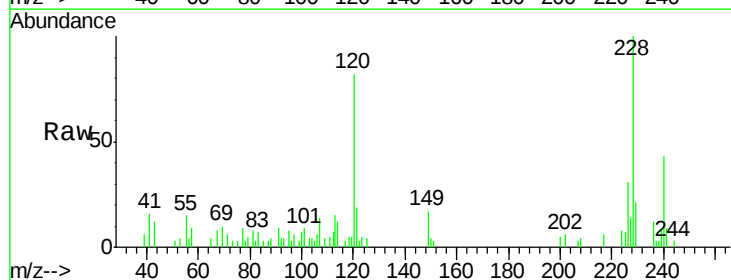
Instrument :
 BNA_F
 ClientSampleId :
 SB-34-0.5-1.0

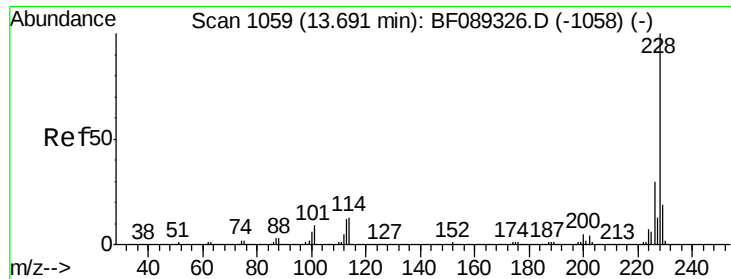
Tgt Ion:244 Resp: 282449
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 17.0 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 4.49 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BF089382.D
 Acq: 29 Jul 2016 00:39

Tgt Ion:228 Resp: 24419
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.4 32.2
 229 20.9 15.9 23.9





#82

Chrysene

Concen: 4.22 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Instrument :

BNA_F

ClientSampleId :

SB-34-0.5-1.0

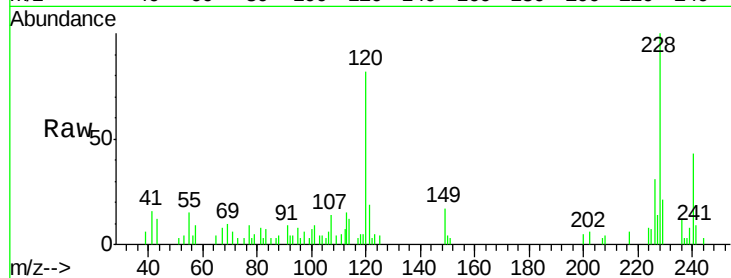
Tgt Ion:228 Resp: 24419

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

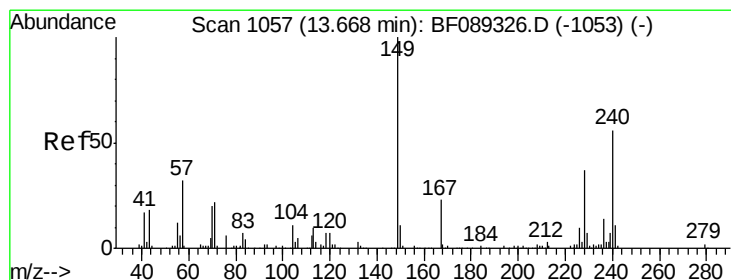
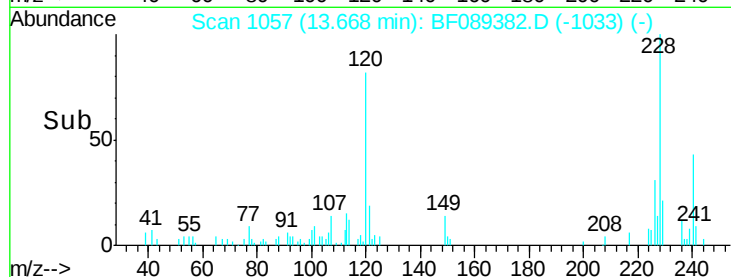
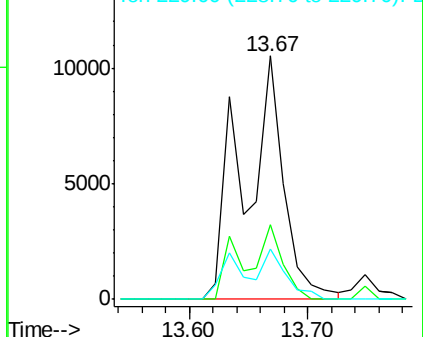
229 20.9 15.9 23.9



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: 3.99 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

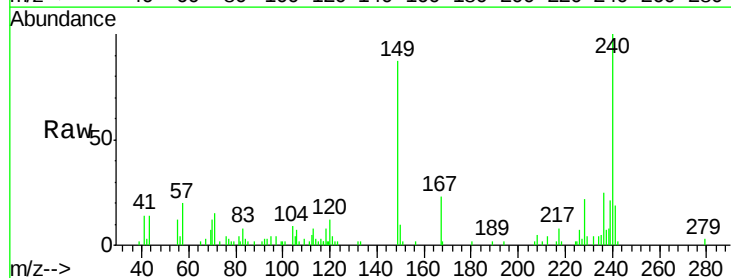
Tgt Ion:149 Resp: 19176

Ion Ratio Lower Upper

149 100

167 26.0 18.8 28.2

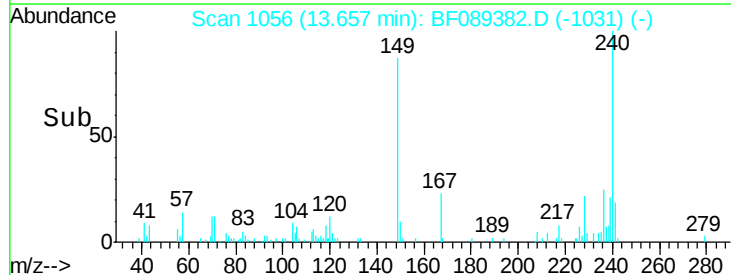
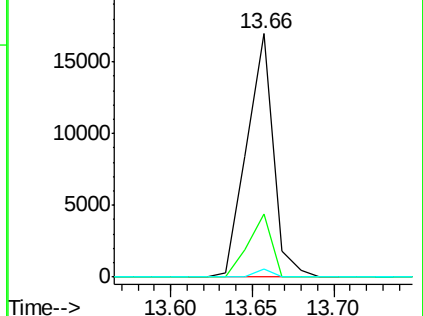
279 3.6 1.4 2.0#

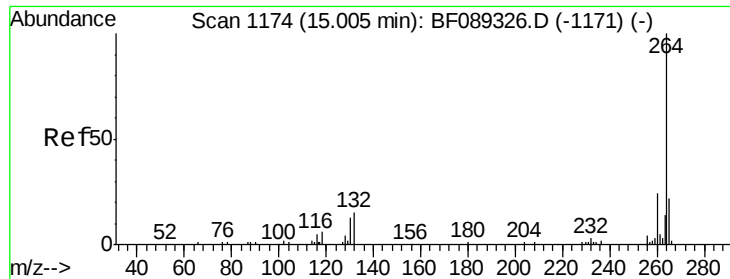


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

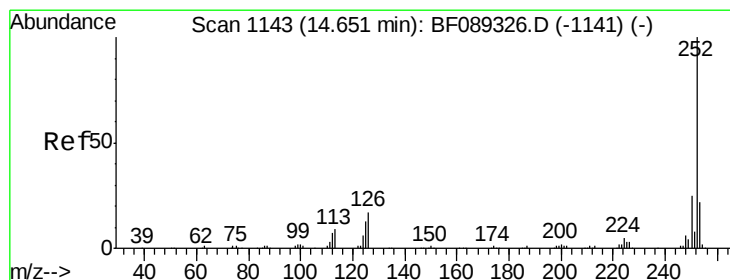
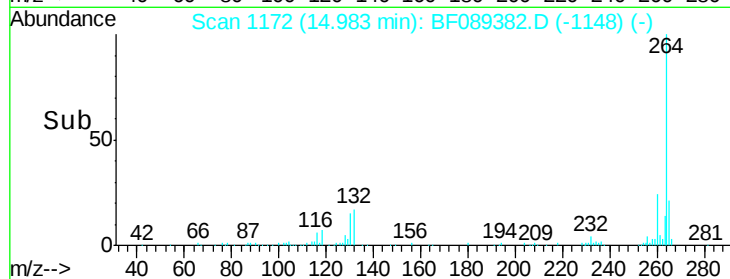
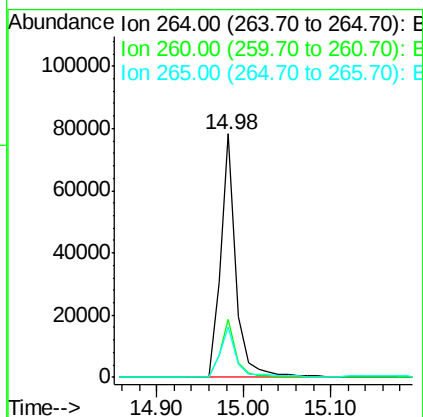
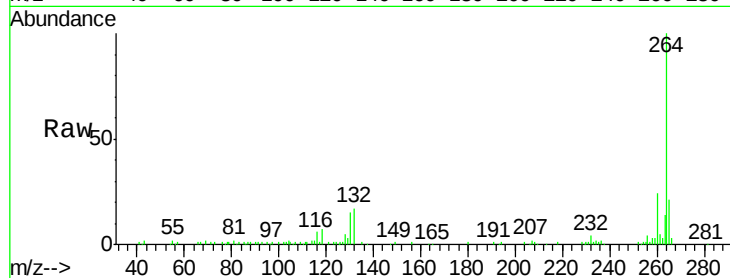




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

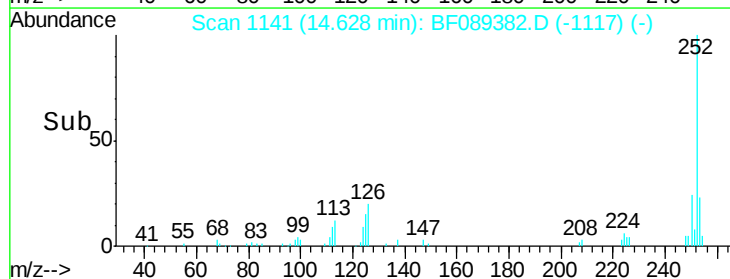
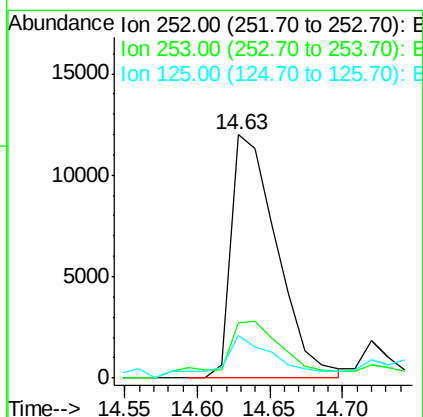
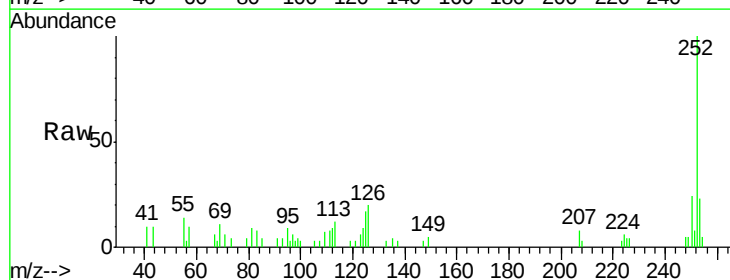
Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

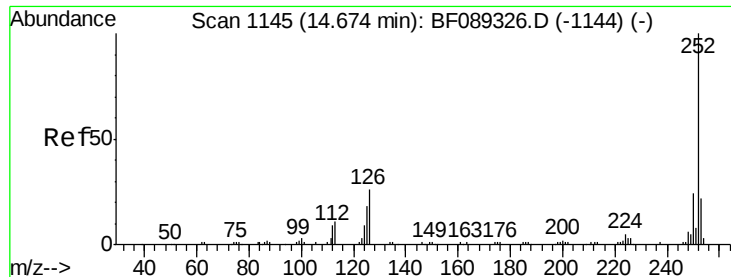
Tgt Ion: 264 Resp: 96765
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 20.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 252 Resp: 26217
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 17.4 9.7 14.5#





#88

Benzo(k)fluoranthene

Concen: 4.75 ng

RT: 14.63 min Scan# 1141

Delta R.T. -0.05 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

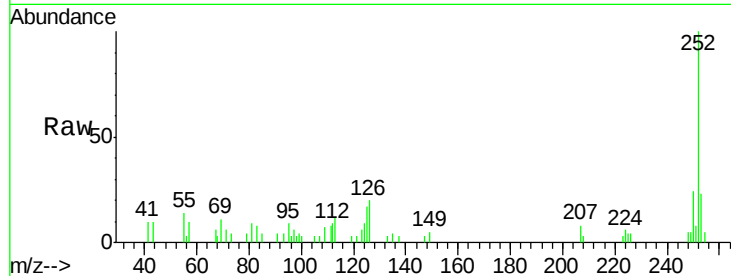
Instrument :

BNA_F

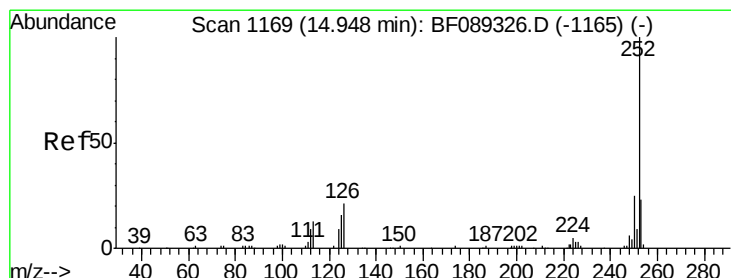
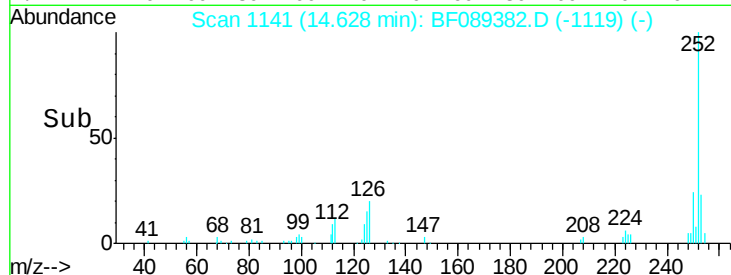
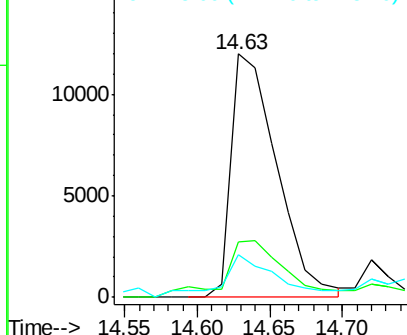
ClientSampleId :

SB-34-0.5-1.0

Tgt Ion:	252	Resp:	26217
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	17.4	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



#89

Benzo(a)pyrene

Concen: 2.01 ng

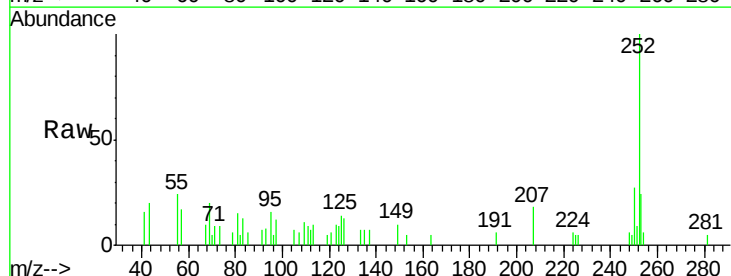
RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089382.D

Acq: 29 Jul 2016 00:39

Tgt Ion:	252	Resp:	10856
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	13.8	12.4	18.6



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

