

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092260.D
 Acq On : 13 Jan 2017 23:49
 Operator : UM/SJ
 Sample : I1031-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

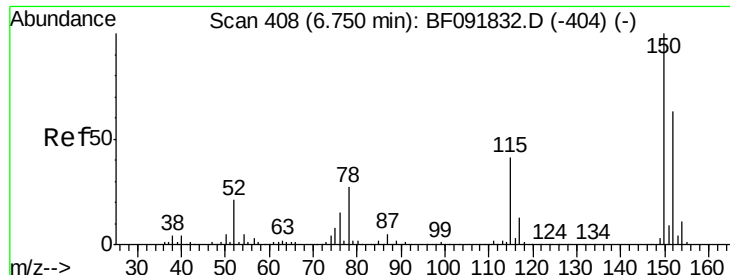
Instrument :
 BNA_F
 ClientSampleId :
 COMP-0023

Quant Time: Jan 16 01:29:28 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	223234	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	730307	20.00	ng	-0.02
38) Acenaphthene-d10	9.60	164	373206	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	645056	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	544829	20.00	ng	-0.02
86) Perylene-d12	15.07	264	389032	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	1454326	108.78	ng	0.00
7) Phenol-d6	6.24	99	1909505	116.98	ng	-0.01
23) Nitrobenzene-d5	7.15	82	1259566	95.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	417983	135.33	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	1646238	91.34	ng	-0.01
78) Terphenyl-d14	12.67	244	1480846	65.92	ng	-0.02
Target Compounds						
10) Phenol	6.26	94	129929	6.99	ng	# 66
19) n-Nitroso-di-n-propylamine	7.15	70	166648	15.35	ng	# 78
25) Isophorone	7.15	82	1242344	51.27	ng	# 65
37) 2-Methylnaphthalene	8.58	142	1061	Below Cal	#	80
49) Dimethylphthalate	9.34	163	290155	12.16	ng	99
56) 2,4-Dinitrotoluene	9.60	165	49001	7.47	ng	# 20
66) 4-Bromophenyl-phenylether	10.40	248	25900	3.86	ng	# 1
71) Anthracene	11.11	178	17113	Below Cal	#	97
73) Di-n-butylphthalate	11.66	149	4007	Below Cal	#	89
74) Fluoranthene	12.29	202	42789	Below Cal	#	95

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

```
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Data File : BF092260.D  
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Operator  : UM/SJ  
Sample    : I1031-05  
Misc      :  
ALS Vial  : 21      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

Instrument :

BNA_F

ClientSampleId :

COMP-0023

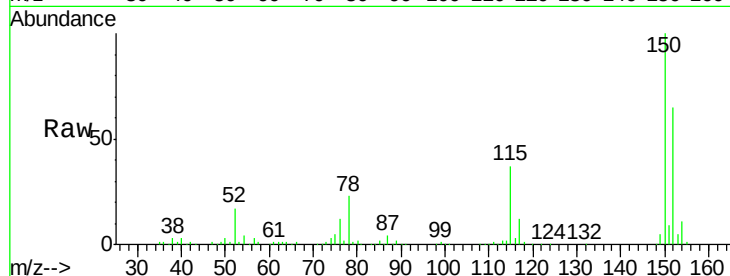
Tgt Ion:152 Resp: 223234

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

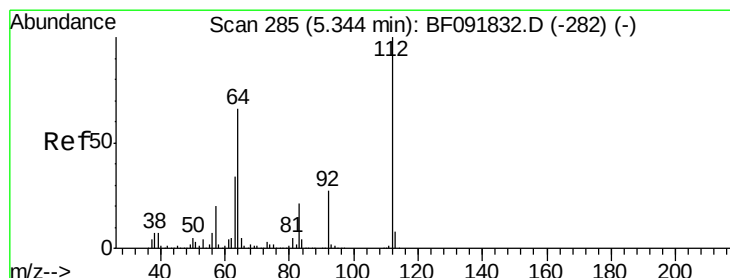
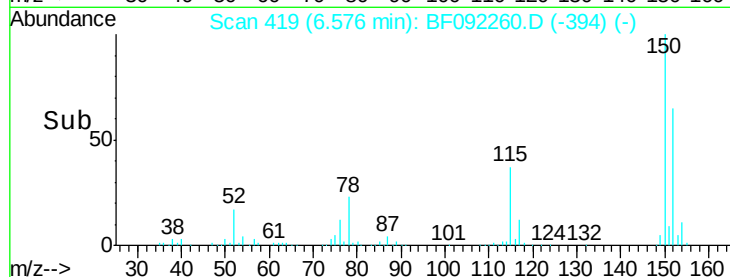
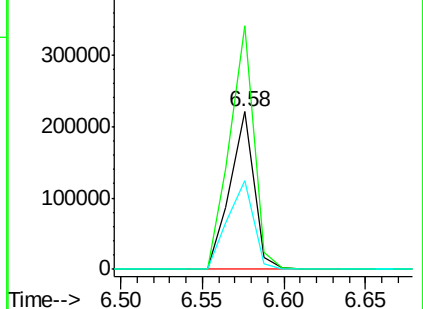
115 56.7 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 108.78 ng

RT: 5.17 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

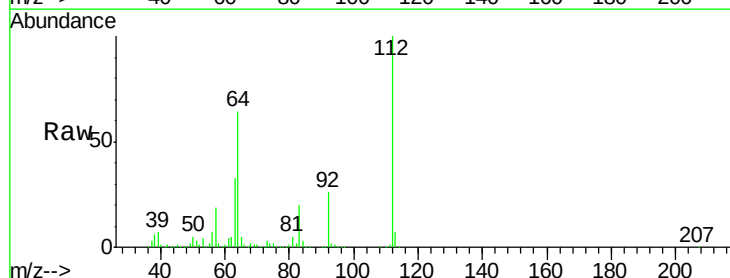
Tgt Ion:112 Resp: 1454326

Ion Ratio Lower Upper

112 100

64 64.0 46.1 69.1

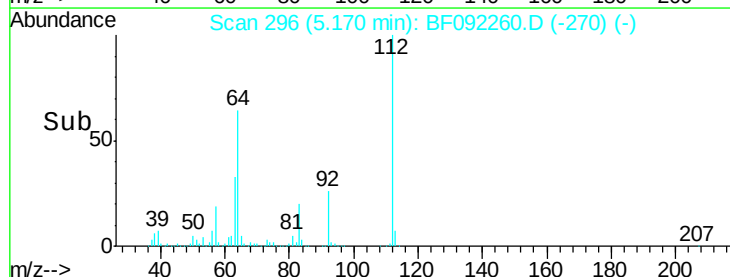
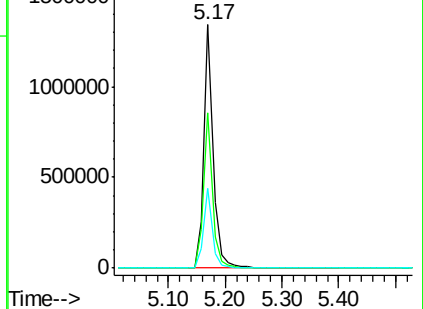
63 32.9 23.8 35.6

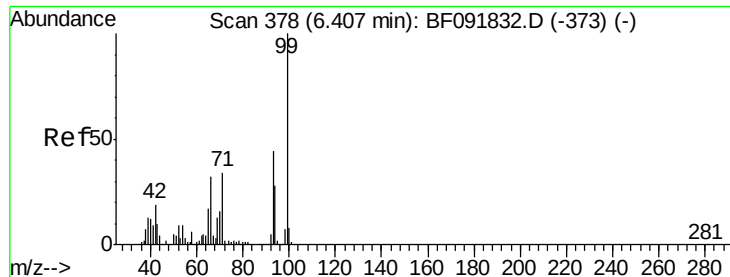


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.98 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

Instrument :

BNA_F

ClientSampleId :

COMP-0023

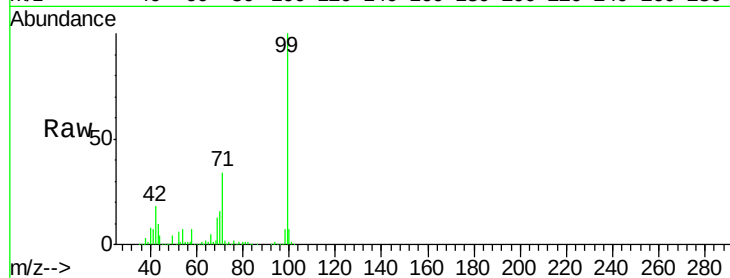
Tgt Ion: 99 Resp: 1909505

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

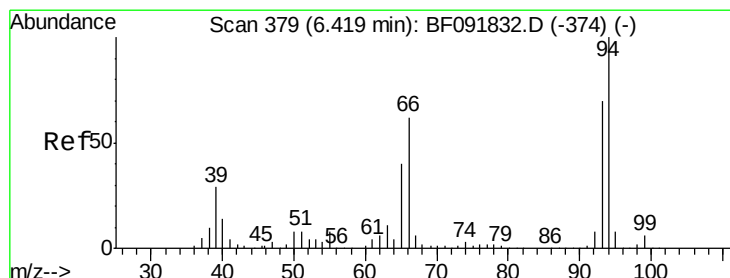
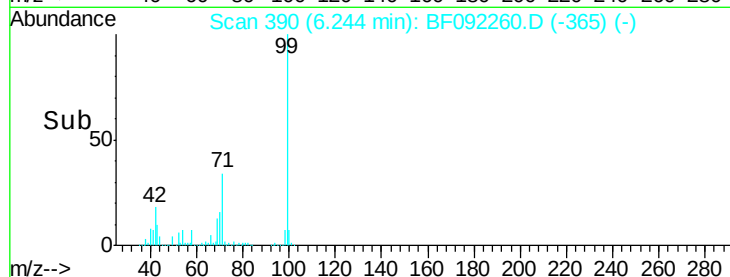
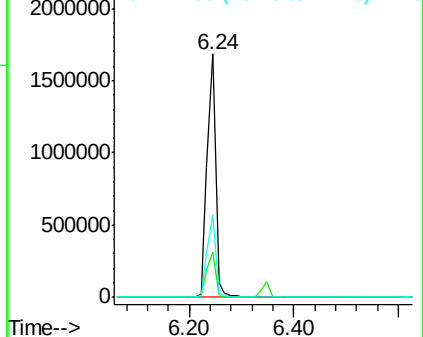
71 33.9 27.5 41.3



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



#10

Phenol

Concen: 6.99 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

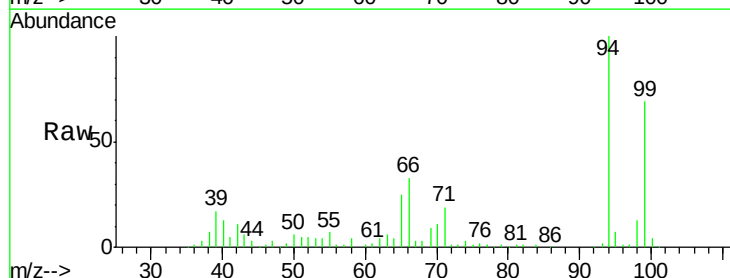
Tgt Ion: 94 Resp: 129929

Ion Ratio Lower Upper

94 100

65 25.1 21.4 61.4

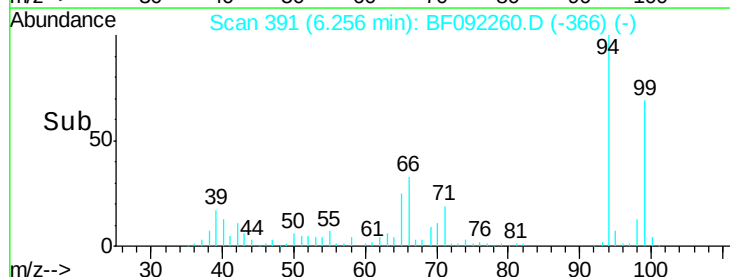
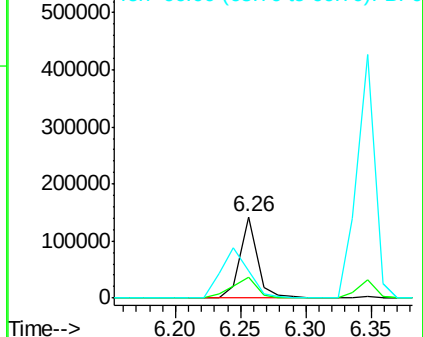
66 33.2 44.0 84.0#

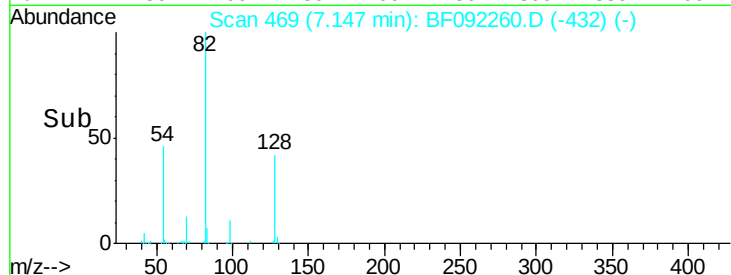
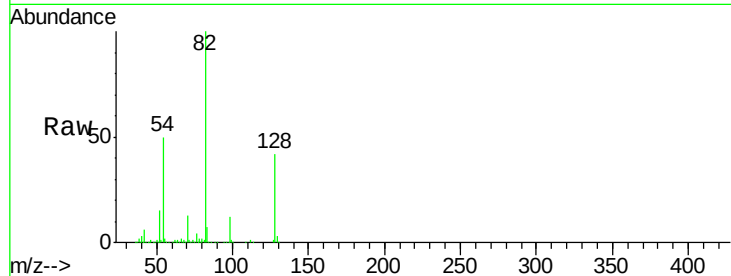
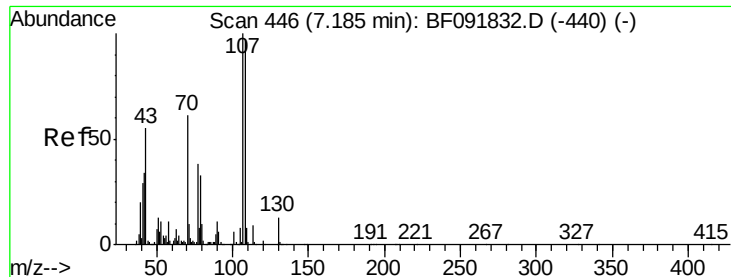


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

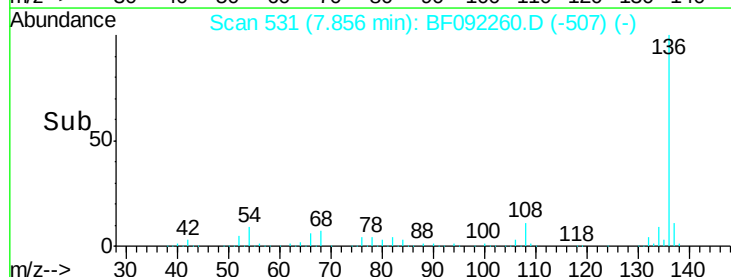
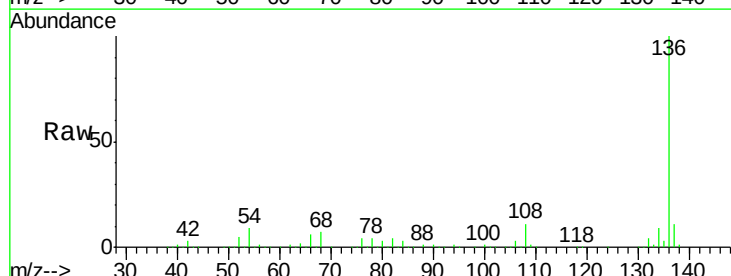
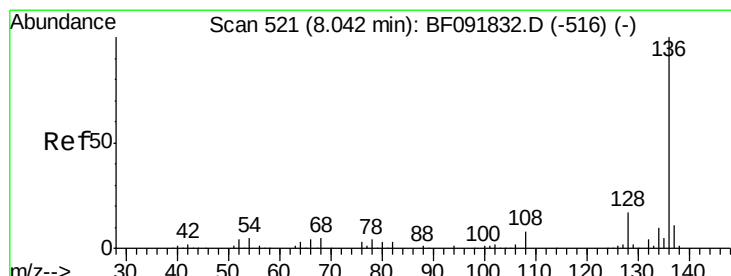
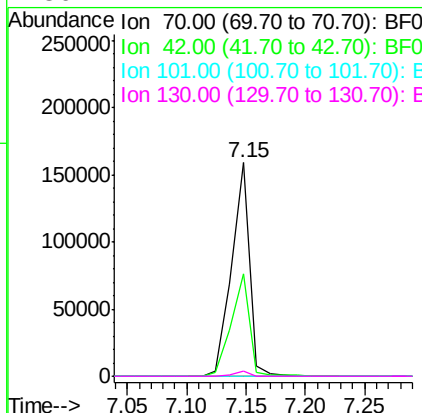




#19
n-Nitroso-di-n-propylamine
Concen: 15.35 ng
RT: 7.15 min Scan# 469
Delta R.T. 0.13 min
Lab File: BF092260.D
Acq: 13 Jan 2017 23:49

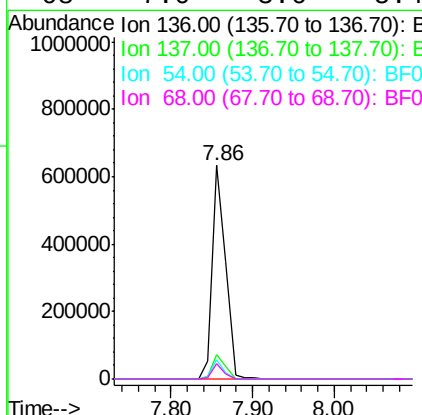
Instrument :
BNA_F
ClientSampleId :
COMP-0023

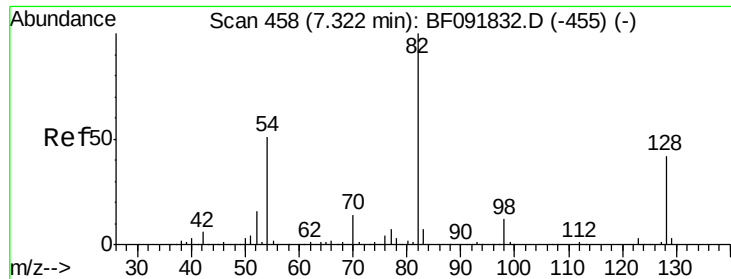
Tgt Ion:	70	Resp:	166648
Ion	Ratio	Lower	Upper
70	100		
42	47.8	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF092260.D
Acq: 13 Jan 2017 23:49

Tgt Ion:	136	Resp:	730307
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	9.1	4.5	6.7#
68	7.0	3.6	5.4#

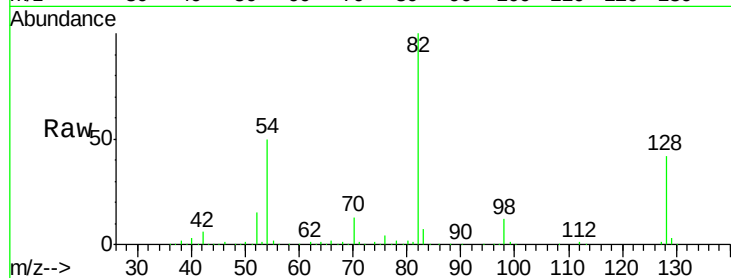




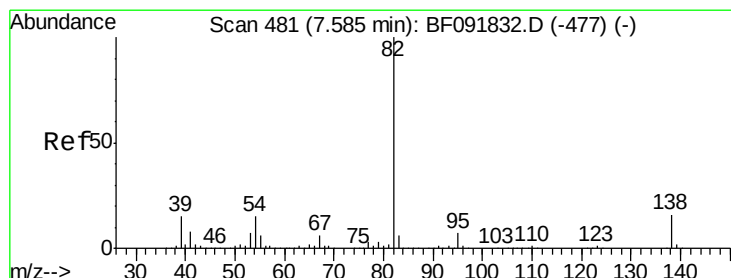
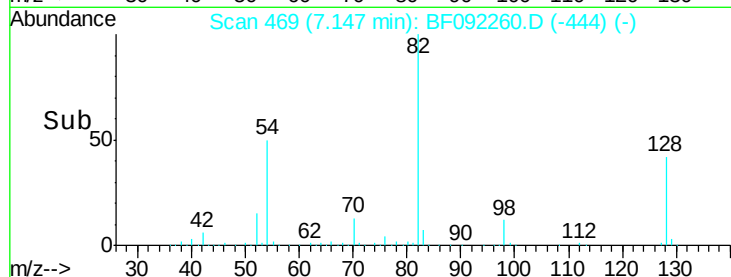
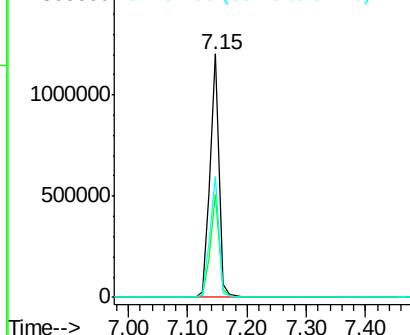
#23
 Nitrobenzene-d5
 Concen: 95.90 ng
 RT: 7.15 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :
 COMP-0023

Tgt Ion: 82 Resp: 1259566
 Ion Ratio Lower Upper
 82 100
 128 42.1 34.6 52.0
 54 49.7 39.5 59.3

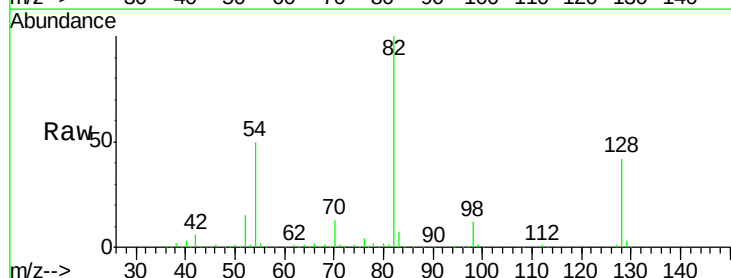


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

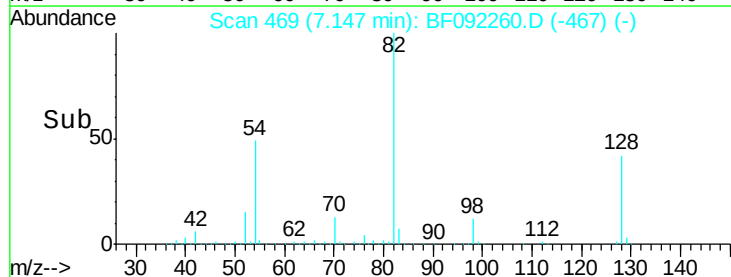
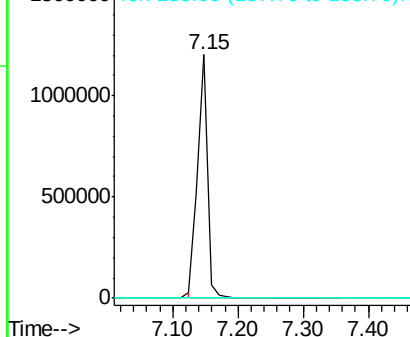


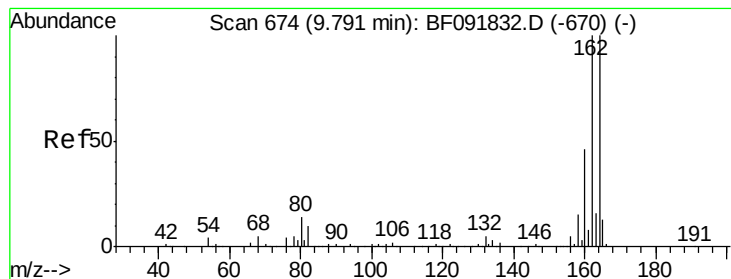
#25
 Isophorone
 Concen: 51.27 ng
 RT: 7.15 min Scan# 469
 Delta R.T. -0.27 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Tgt Ion: 82 Resp: 1242344
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

Instrument :

BNA_F

ClientSampleId :

COMP-0023

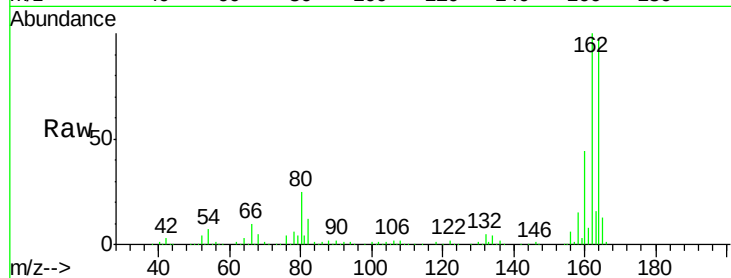
Tgt Ion:164 Resp: 373206

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

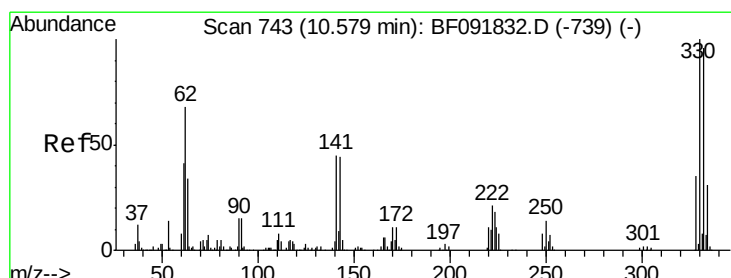
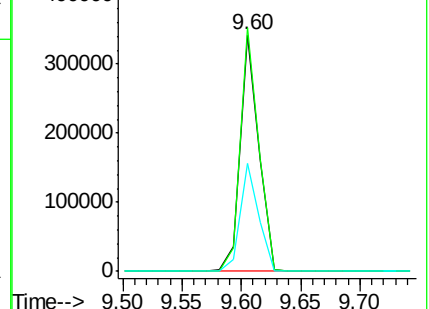
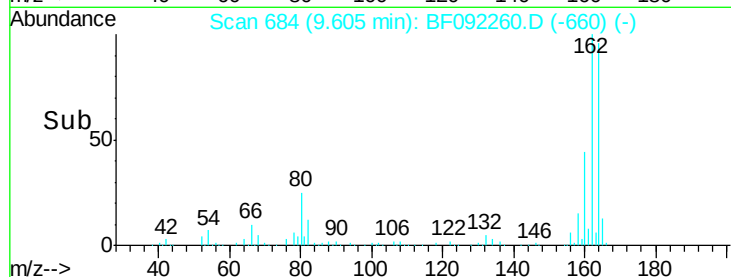
160 45.8 36.9 55.3



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: 135.33 ng

RT: 10.40 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

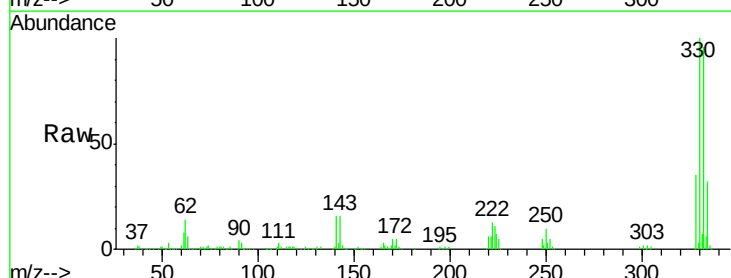
Tgt Ion:330 Resp: 417983

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

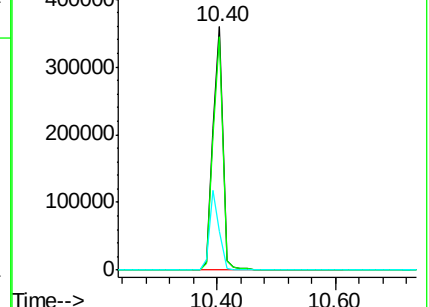
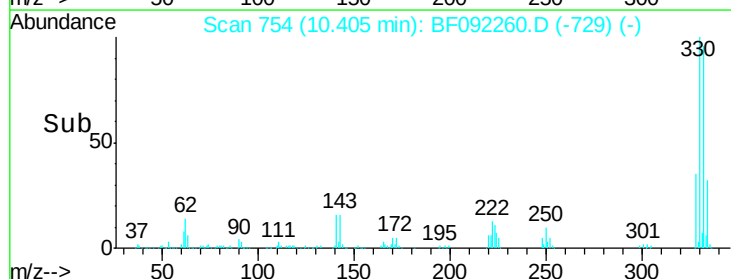
141 32.6 34.1 51.1#

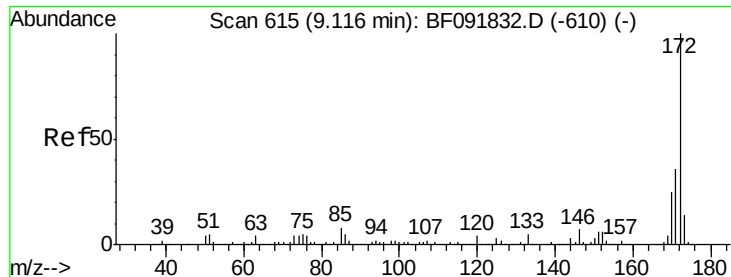


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

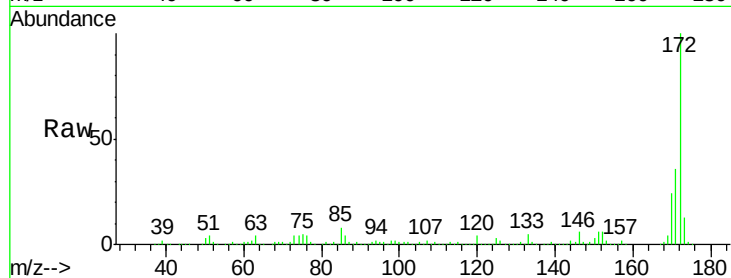




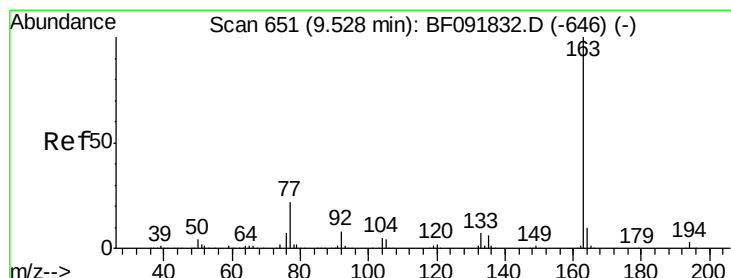
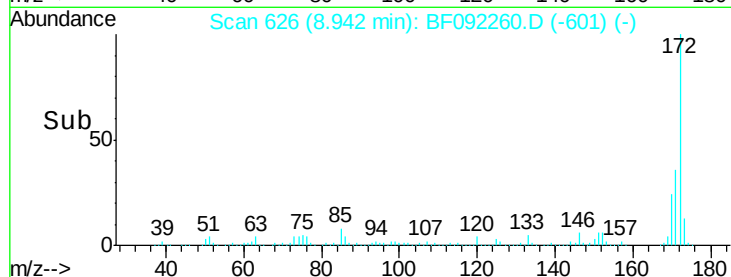
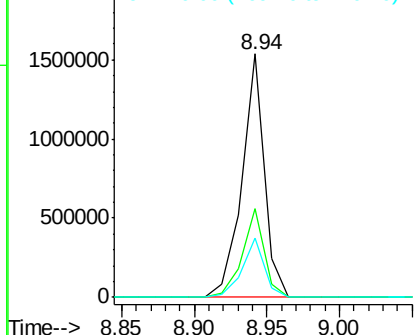
#44
 2-Fluorobiphenyl
 Concen: 91.34 ng
 RT: 8.94 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Instrument :
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Tgt Ion:172 Resp: 1646238
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.3 20.2 30.4

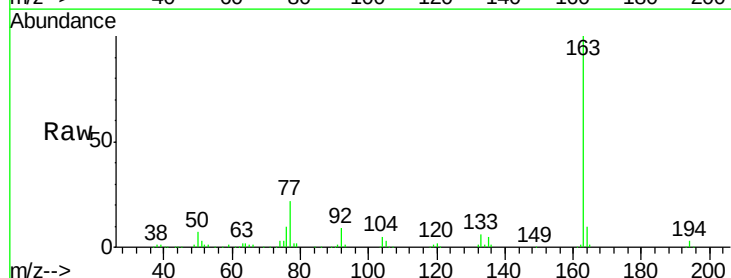


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

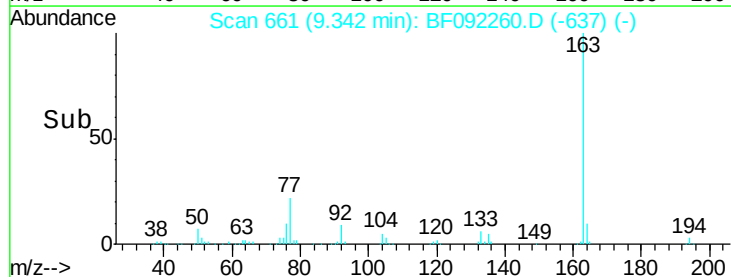
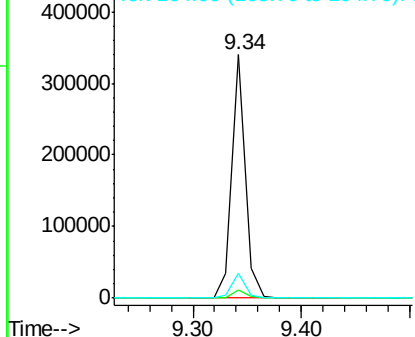


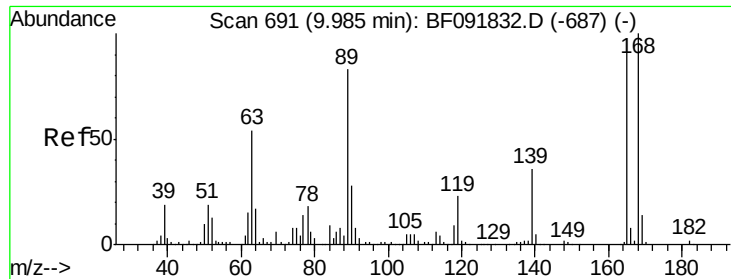
#49
 Dimethylphthalate
 Concen: 12.16 ng
 RT: 9.34 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Tgt Ion:163 Resp: 290155
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 10.1 8.0 12.0



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

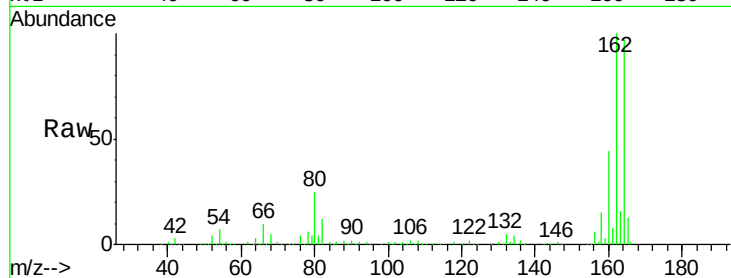




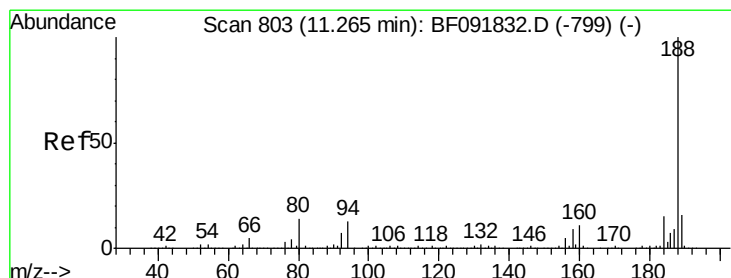
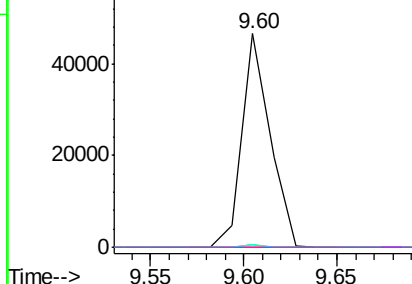
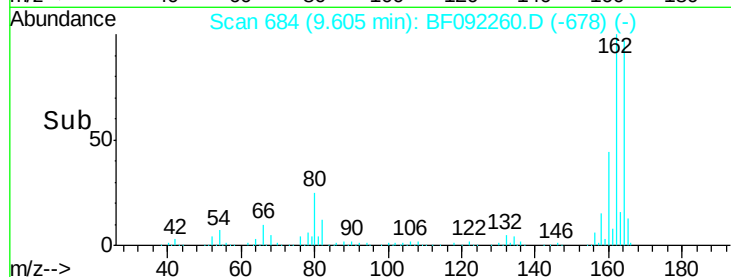
#56
 2,4-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.60 min Scan# 684
 Delta R.T. -0.23 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :
 COMP-0023

Tgt Ion:165 Resp: 49001
 Ion Ratio Lower Upper
 165 100
 63 1.0 40.2 60.4#
 89 1.2 62.5 93.7#
 182 0.0 1.8 2.8#

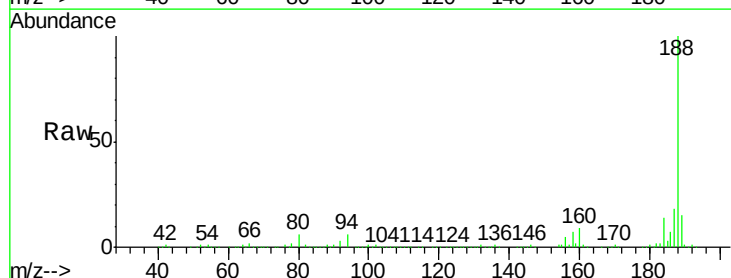


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

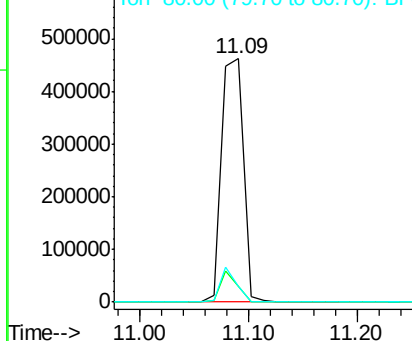
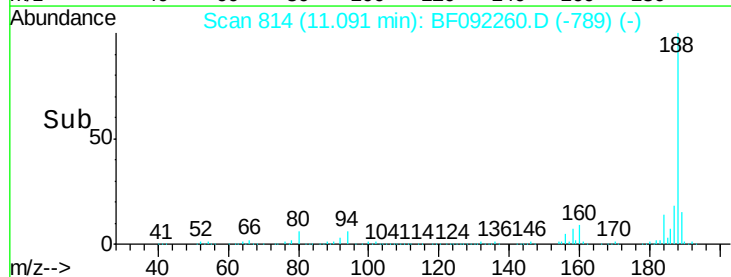


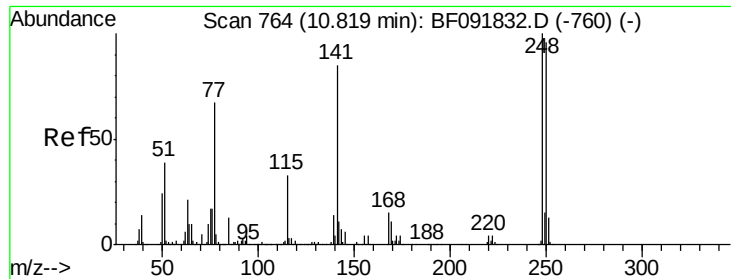
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092260.D
 Acq: 13 Jan 2017 23:49

Tgt Ion:188 Resp: 645056
 Ion Ratio Lower Upper
 188 100
 94 6.3 10.0 15.0#
 80 6.2 11.2 16.8#



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

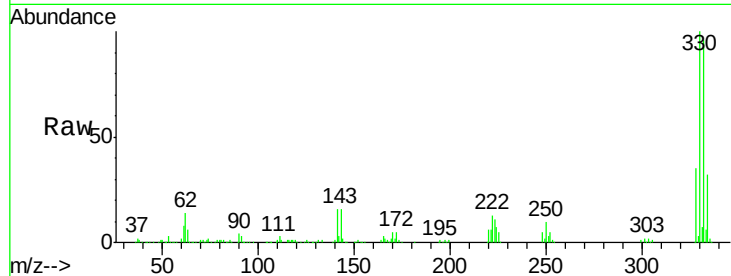




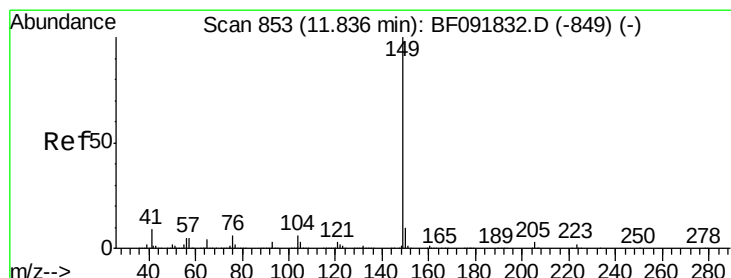
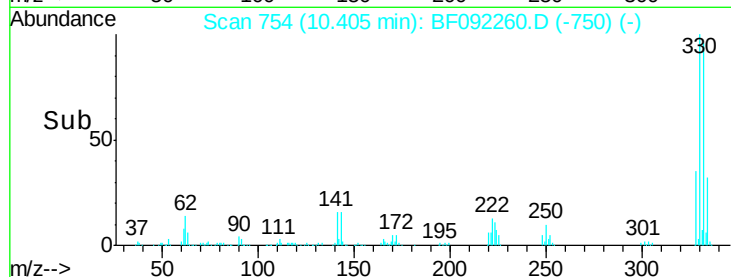
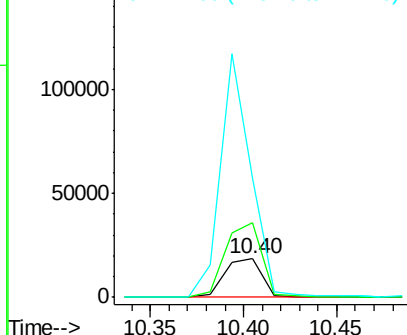
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.40 min Scan# 754
Delta R.T. -0.25 min
Lab File: BF092260.D
Acq: 13 Jan 2017 23:49

Instrument :
BNA_F
ClientSampleId :
COMP-0023

Tgt Ion:248 Resp: 25900
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 312.4 68.2 102.4#

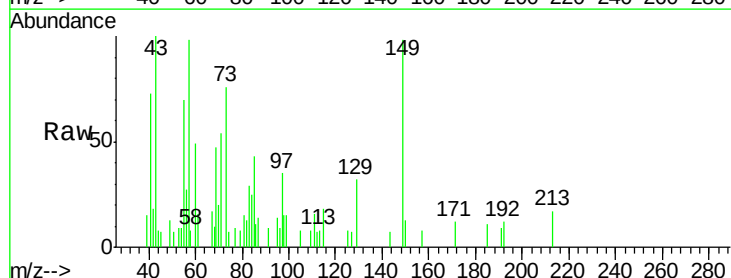


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

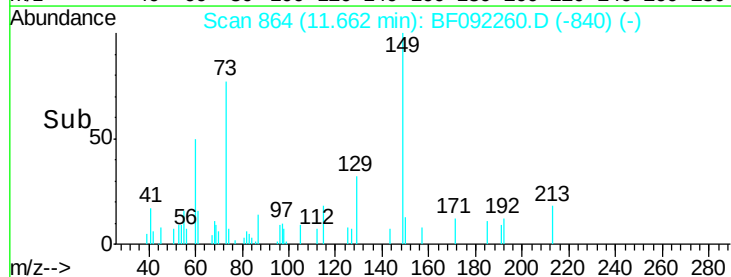
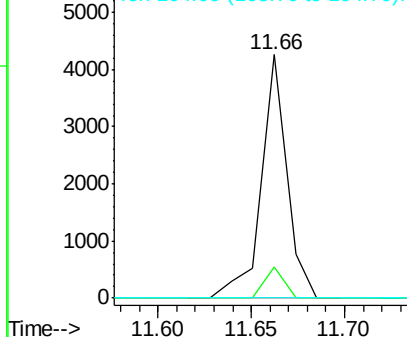


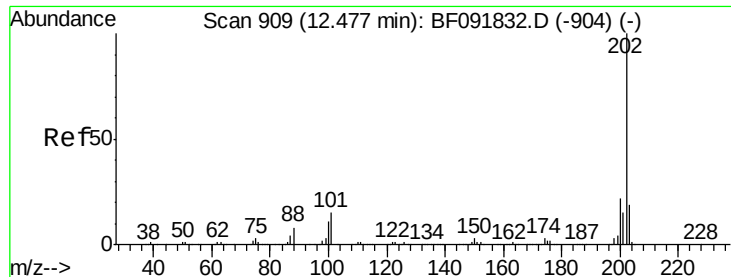
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.66 min Scan# 864
Delta R.T. -0.02 min
Lab File: BF092260.D
Acq: 13 Jan 2017 23:49

Tgt Ion:149 Resp: 4007
Ion Ratio Lower Upper
149 100
150 12.8 8.1 12.1#
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.29 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

Instrument :

BNA_F

ClientSampleId :

COMP-0023

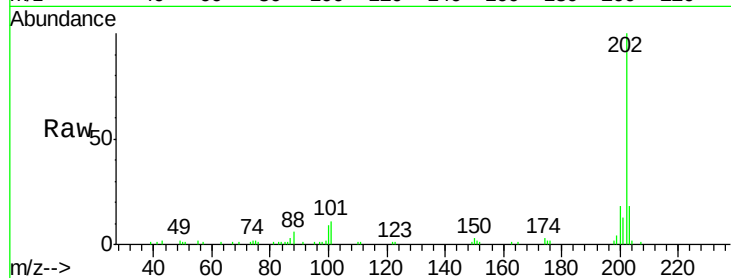
Tgt Ion:202 Resp: 42789

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.6

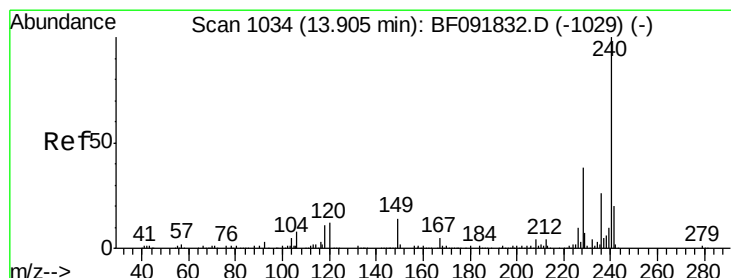
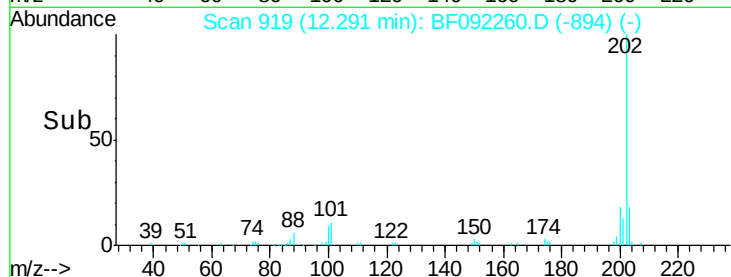
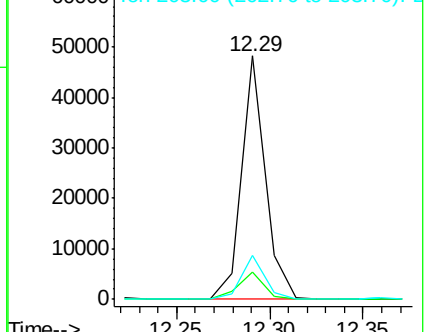
203 18.0 0.0 38.7



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: 13.71 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

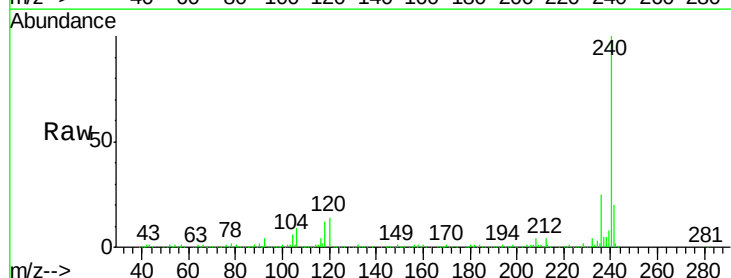
Tgt Ion:240 Resp: 544829

Ion Ratio Lower Upper

240 100

120 14.2 12.9 19.3

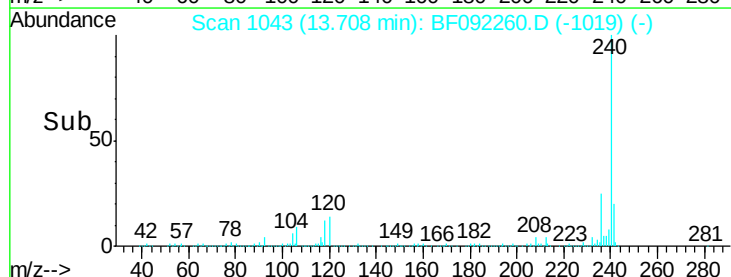
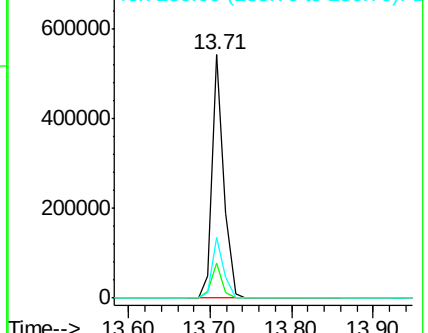
236 25.1 20.9 31.3

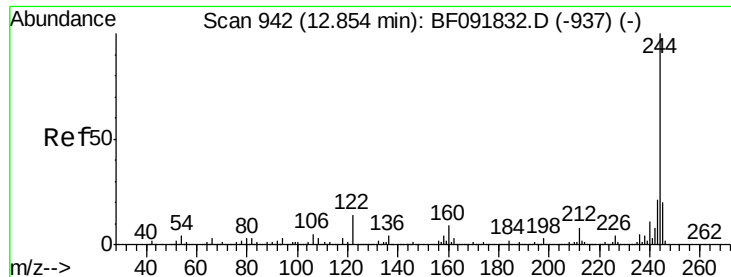


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 65.92 ng

RT: 12.67 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

Instrument :

BNA_F

ClientSampleId :

COMP-0023

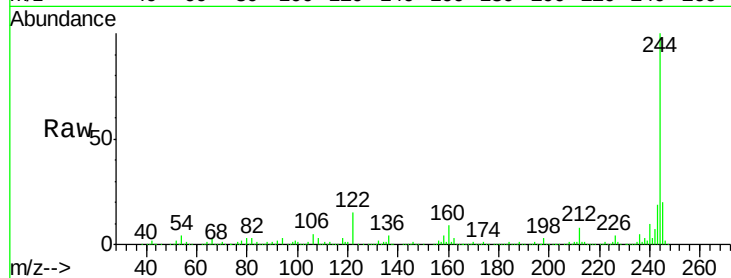
Tgt Ion:244 Resp: 1480846

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

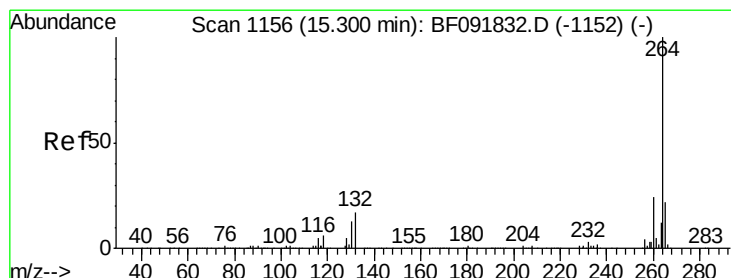
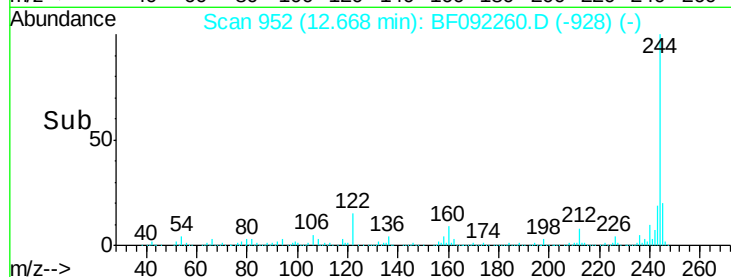
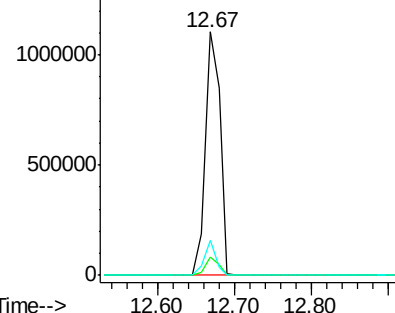
122 14.5 11.4 17.2



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: 15.07 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF092260.D

Acq: 13 Jan 2017 23:49

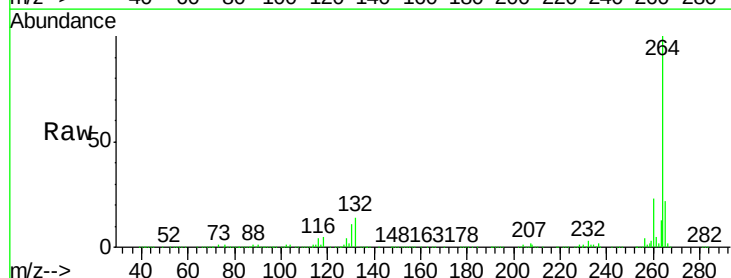
Tgt Ion:264 Resp: 389032

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.6 17.4 26.0



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

