

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092429.D
 Acq On : 24 Jan 2017 15:23
 Operator : UM/SJ
 Sample : I1305-25DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0036DL

Quant Time: Jan 24 15:53:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152513	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	602968	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	346422	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	545645	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	483084	20.00	ng	0.00
86) Perylene-d12	15.64	264	367977	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	326182	33.28	ng	0.00
7) Phenol-d6	6.58	99	452136	36.21	ng	-0.01
23) Nitrobenzene-d5	7.53	82	260501	23.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	78569	33.28	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	488493	26.08	ng	-0.01
78) Terphenyl-d14	13.11	244	432353	23.83	ng	-0.01

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.33	42	223539	30.70	ng	80
11) bis(2-Chloroethyl)ether	6.69	93	239873	21.27	ng	88
12) 1,3-Dichlorobenzene	6.91	146	73321	6.02	ng	94
13) 1,4-Dichlorobenzene	6.99	146	226467	18.48	ng	94
14) 1,2-Dichlorobenzene	7.14	146	358025	30.79	ng	98
18) Hexachloroethane	7.49	117	113453	26.87	ng	93
19) n-Nitroso-di-n-propylamine	7.38	70	336329	39.55	ng	95
24) Nitrobenzene	7.55	77	95124	8.23	ng	99
25) Isophorone	7.79	82	661538	30.41	ng	# 92
28) bis(2-Chloroethoxy)methane	8.01	93	166002	11.63	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	191274	20.25	ng	97
31) Naphthalene	8.28	128	841402	27.26	ng	99
37) 2-Methylnaphthalene	8.98	142	404359	20.70	ng	98
40) Hexachlorocyclopentadiene	9.14	237	90069	20.58	ng	97
46) 2-Chloronaphthalene	9.47	162	445756	21.79	ng	96
48) Acenaphthylene	9.89	152	717335	23.91	ng	98
51) Acenaphthene	10.06	154	619124	33.21	ng	97
56) 2,4-Dinitrotoluene	10.20	165	23604	3.95	ng	# 84
59) Diethylphthalate	10.45	149	263596	12.48	ng	# 92
60) 4-Chlorophenyl-phenylether	10.58	204	170336	18.71	ng	# 74
65) n-Nitrosodiphenylamine	10.68	169	183489	10.77	ng	98
66) 4-Bromophenyl-phenylether	11.07	248	96285	17.48	ng	# 75
70) Phenanthrene	11.55	178	951194	31.66	ng	98
71) Anthracene	11.60	178	863586	29.41	ng	98
73) Di-n-butylphthalate	12.09	149	720662	22.48	ng	98
79) Butylbenzylphthalate	13.60	149	517833	36.52	ng	# 76
80) Benzo(a)anthracene	14.16	228	1071516	41.27	ng	100
82) Chrysene	14.19	228	716048	25.82	ng	99
84) Di-n-octyl phthalate	14.76	149	773981	23.87	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.12	276	493600	24.06	ng	95
88) Benzo(k)fluoranthene	15.24	252	740126	37.68	ng	# 96
90) Dibenzo(a,h)anthracene	17.14	278	297637	18.42	ng	96
91) Benzo(a,h,i)perylene	17.57	276	605385	37.04	ng	# 90

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QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

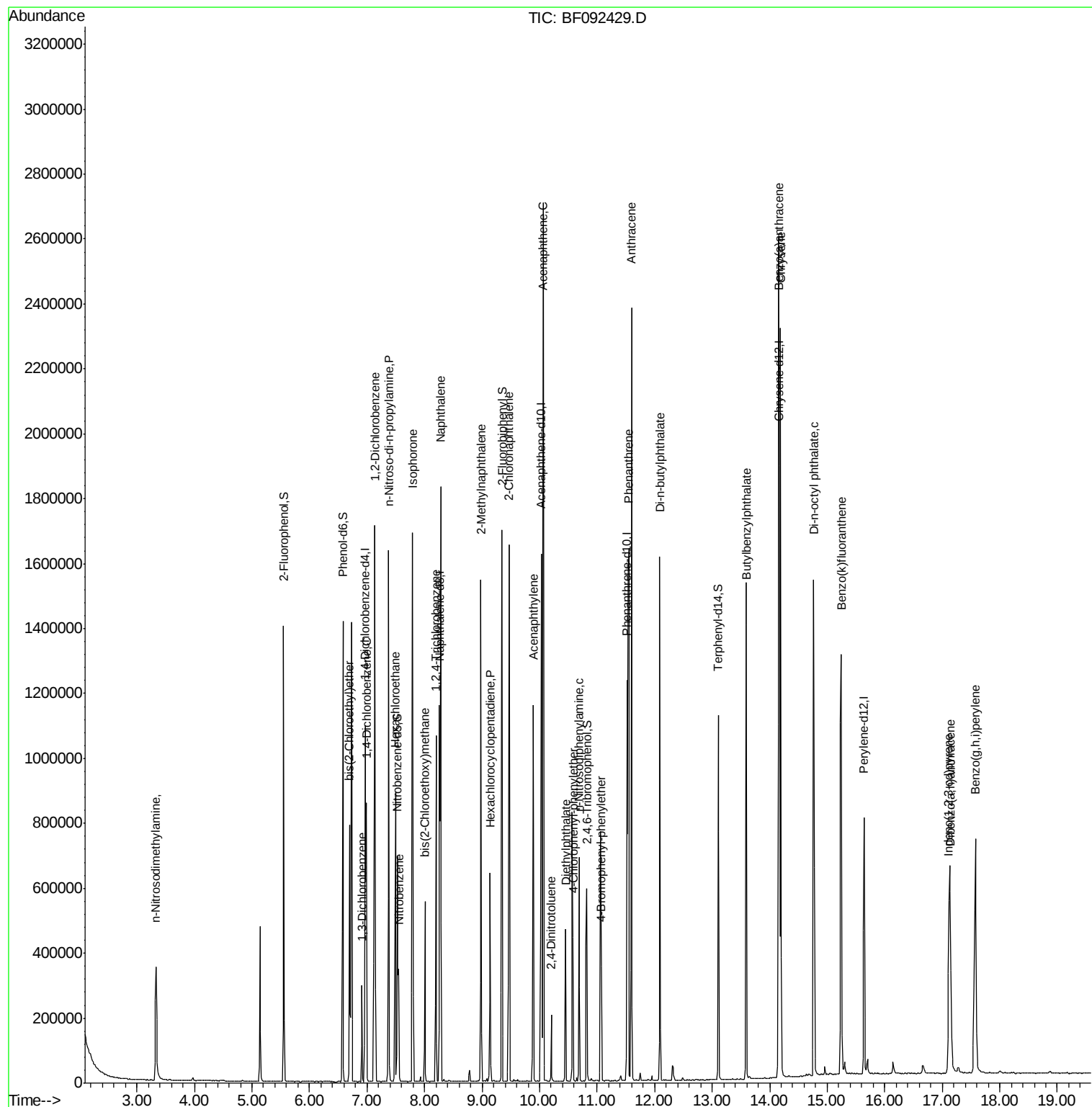
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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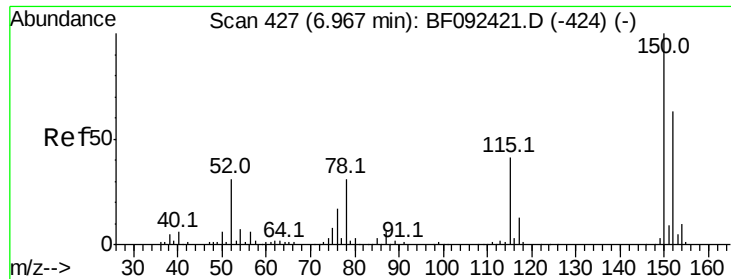
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

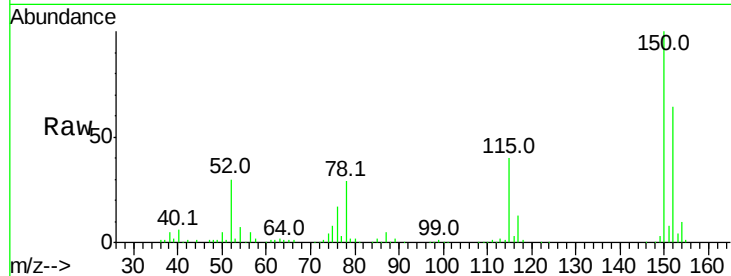
Tot Ion:152 Resp: 152513

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

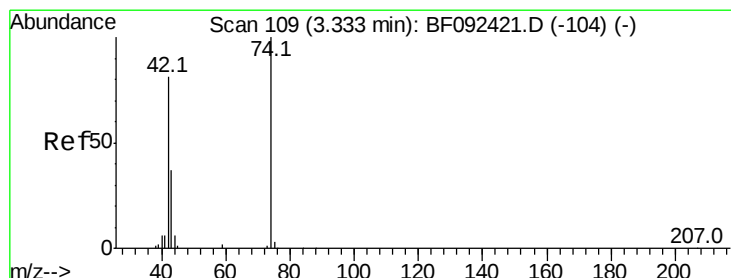
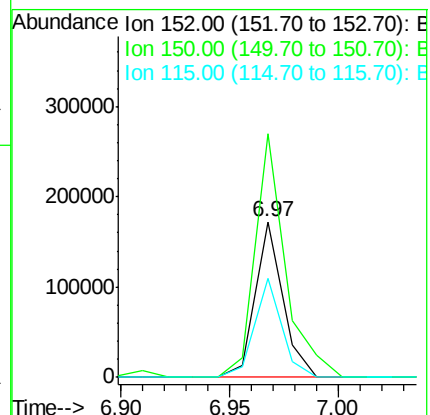
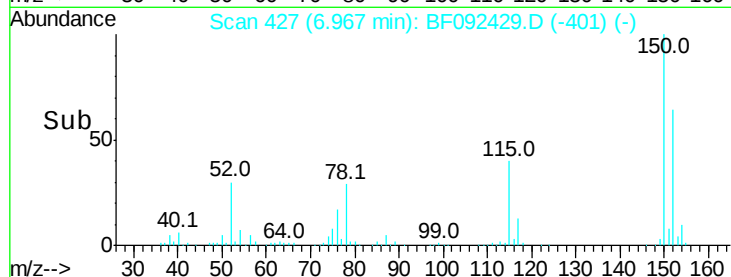
115 63.2 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 30.70 ng

RT: 3.33 min Scan# 109

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

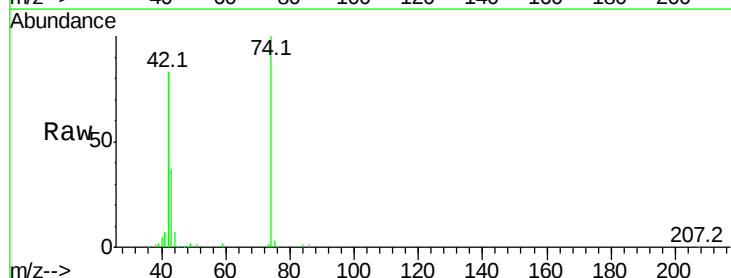
Tgt Ion: 42 Resp: 223539

Ion Ratio Lower Upper

42 100

74 119.9 117.0 175.4

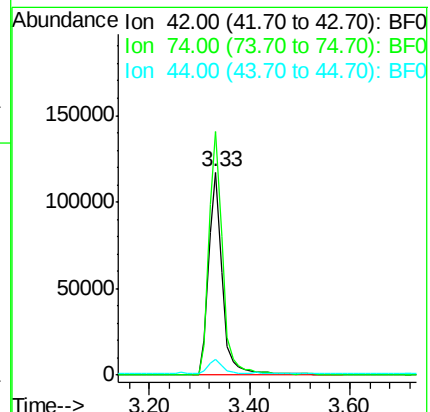
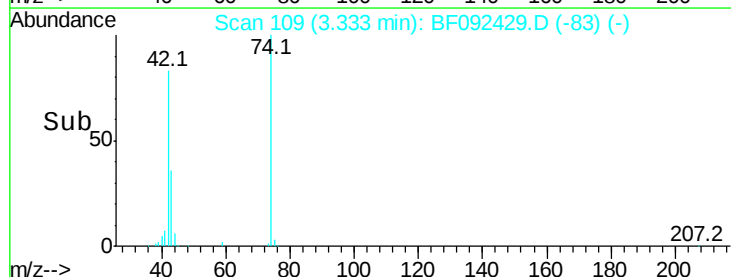
44 8.0 5.5 8.3

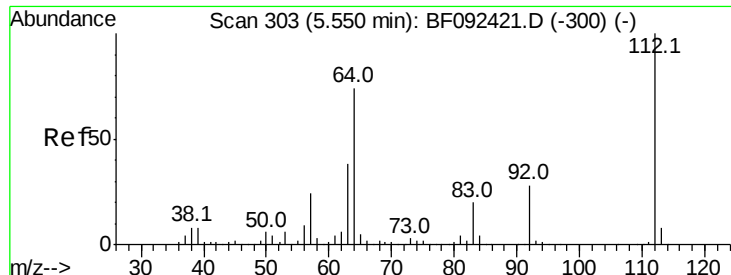


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 33.28 ng

RT: 5.55 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

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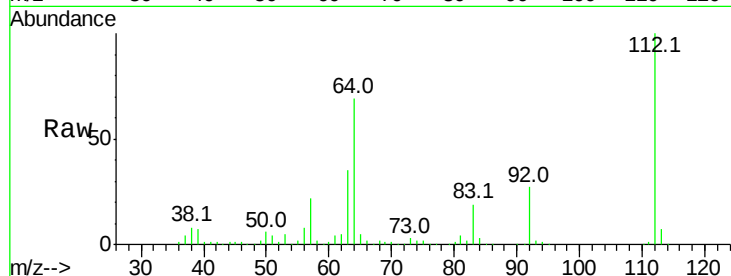
Tot Ion:112 Resp: 326182

Ion Ratio Lower Upper

112 100

64 69.0 46.1 69.1

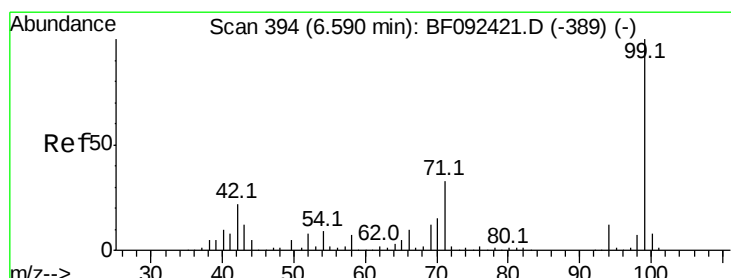
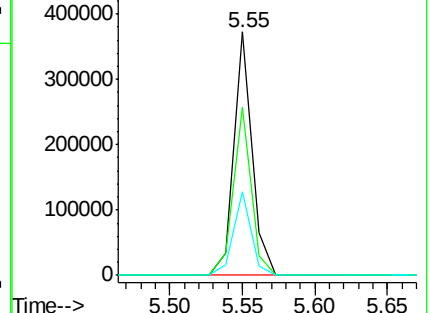
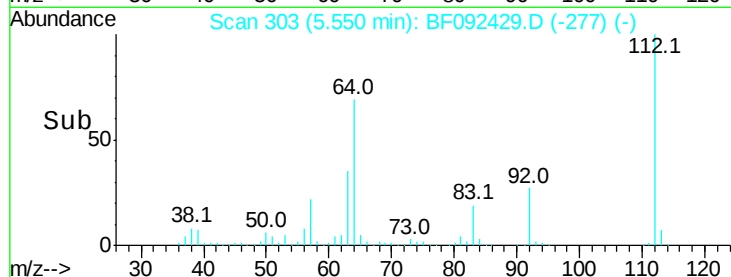
63 34.5 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 36.21 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

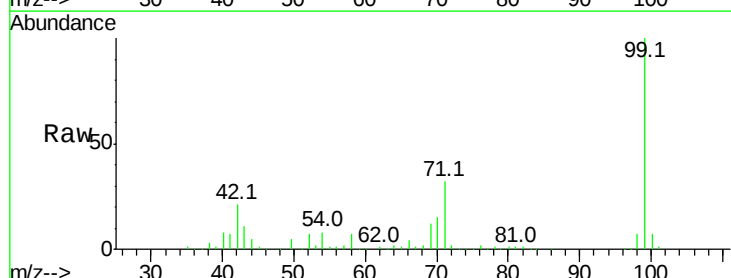
Tgt Ion: 99 Resp: 452136

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

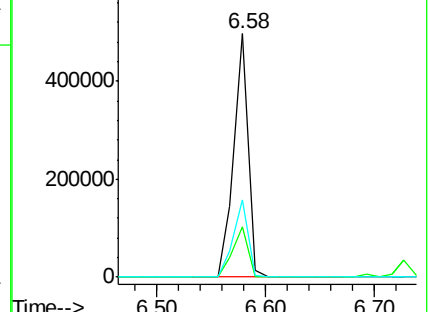
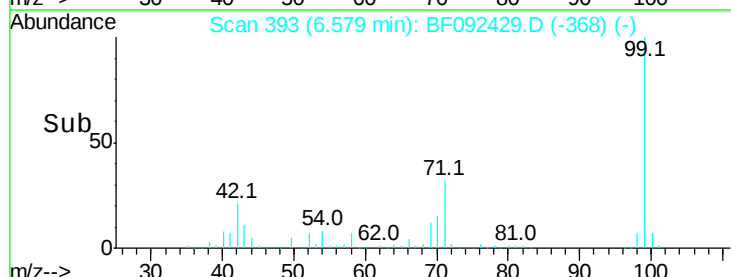
71 31.8 27.5 41.3

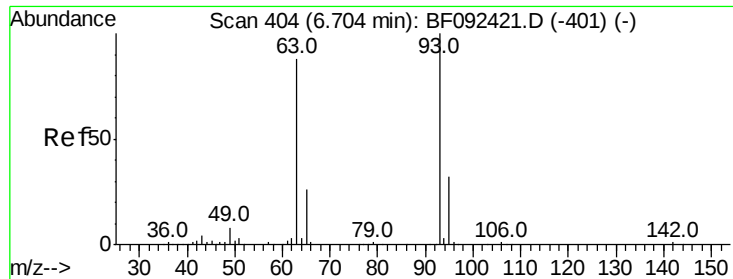


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

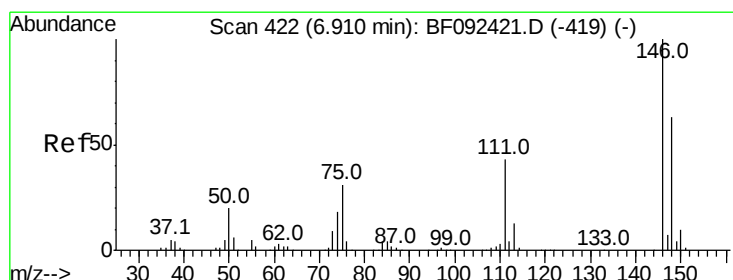
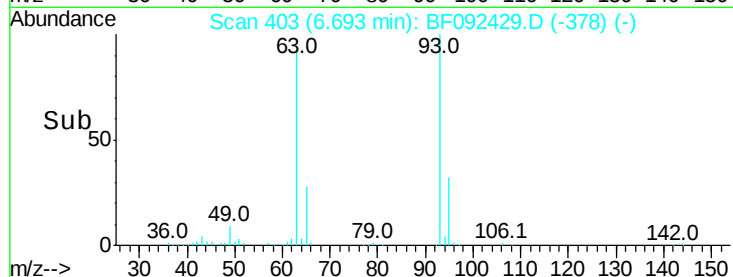
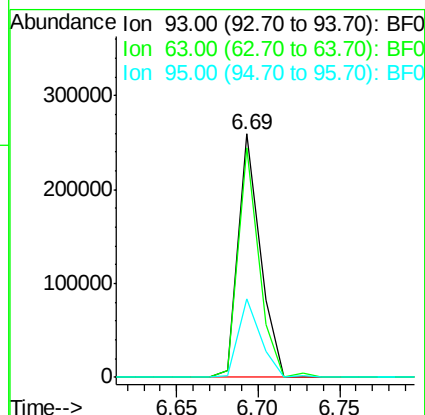
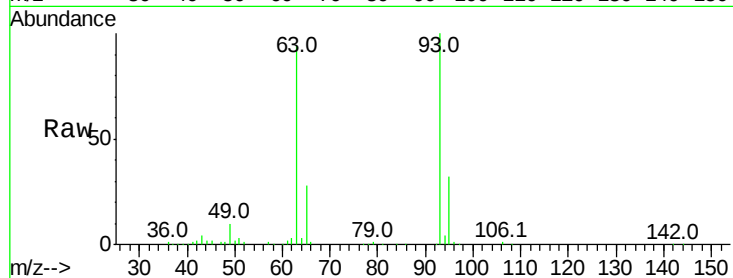




#11
bis(2-Chloroethyl)ether
Concen: 21.27 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

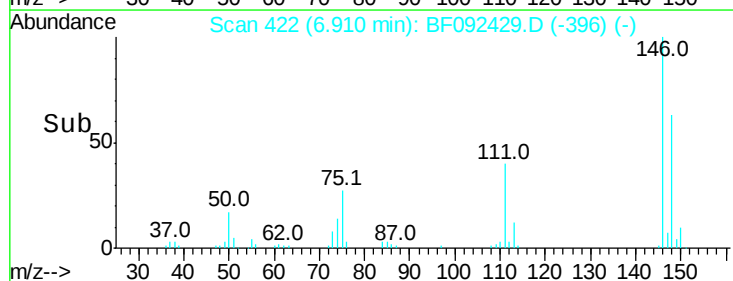
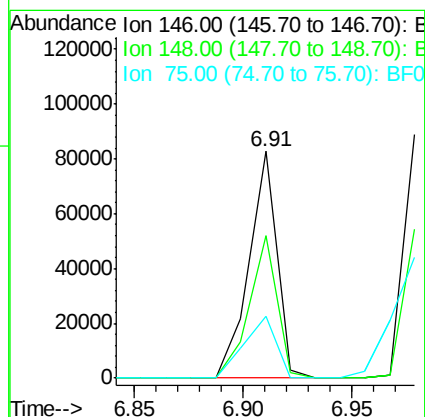
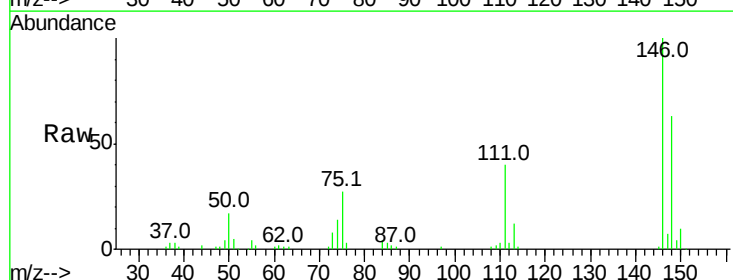
Instrument :
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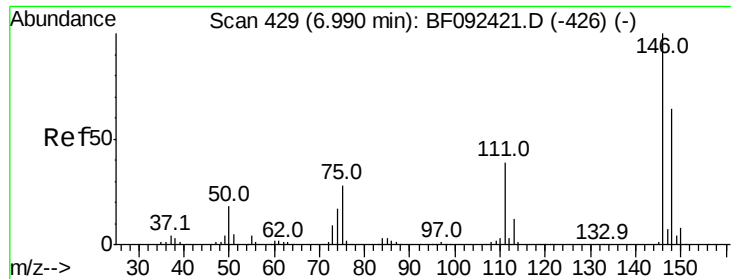
Tot Ion: 93 Resp: 239873
Ion Ratio Lower Upper
93 100
63 94.4 60.4 100.4
95 32.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 6.02 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.00 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion: 146 Resp: 73321
Ion Ratio Lower Upper
146 100
148 62.8 53.4 80.0
75 27.4 18.5 27.7

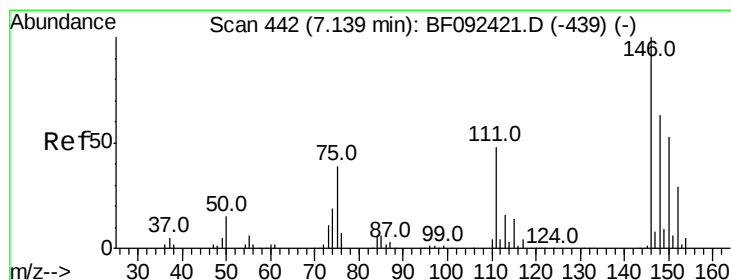
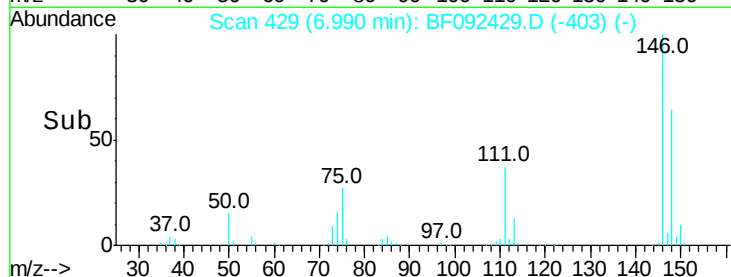
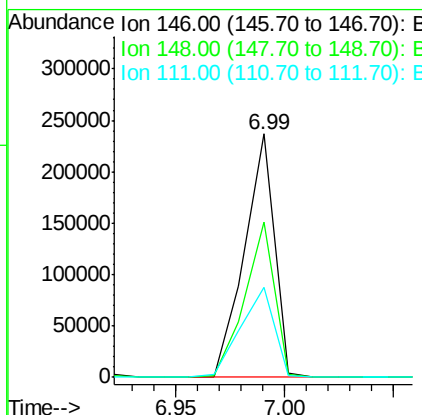
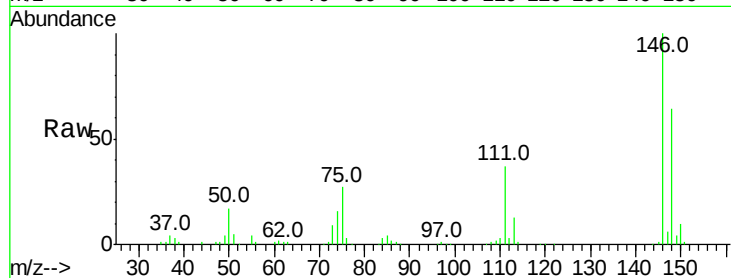




#13
 1,4-Dichlorobenzene
 Concen: 18.48 ng
 RT: 6.99 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

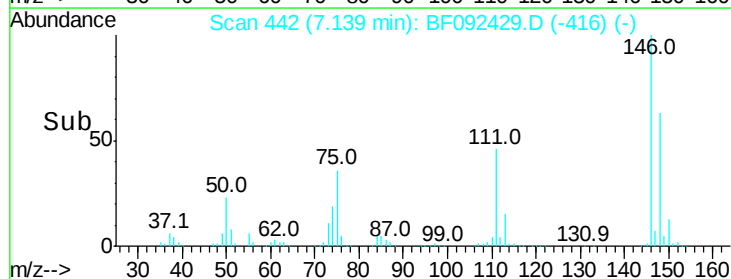
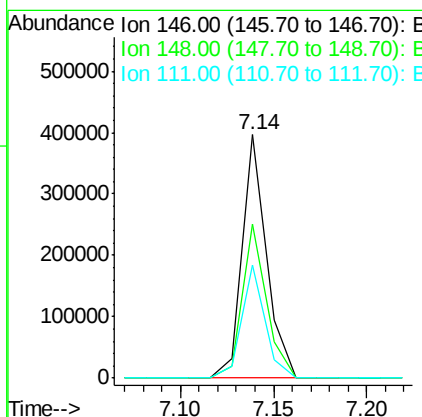
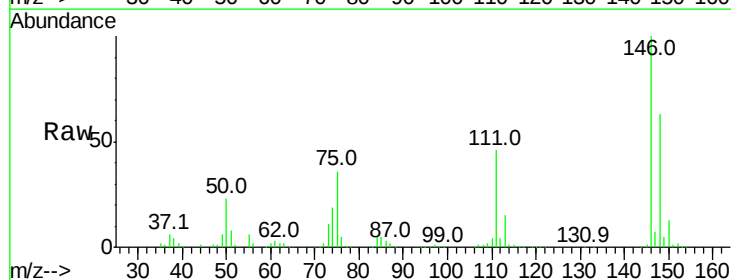
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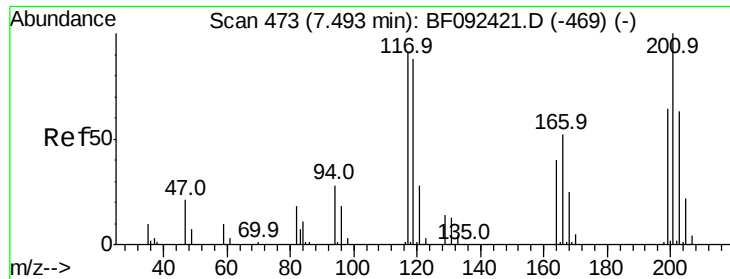
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
111	37.2	36.2	54.4



#14
 1,2-Dichlorobenzene
 Concen: 30.79 ng
 RT: 7.14 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.2	78.2
111	46.5	36.2	54.2

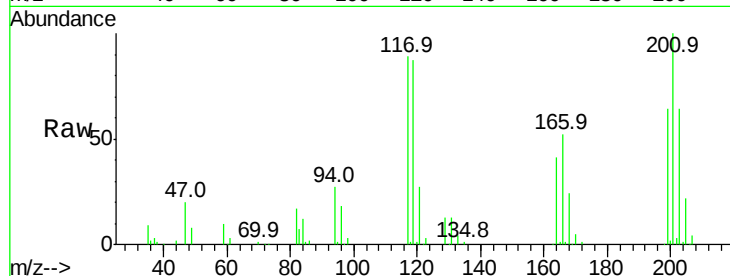




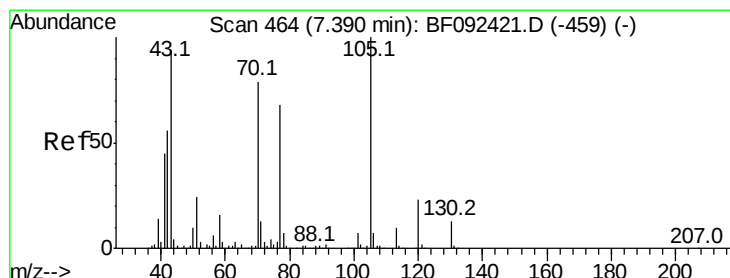
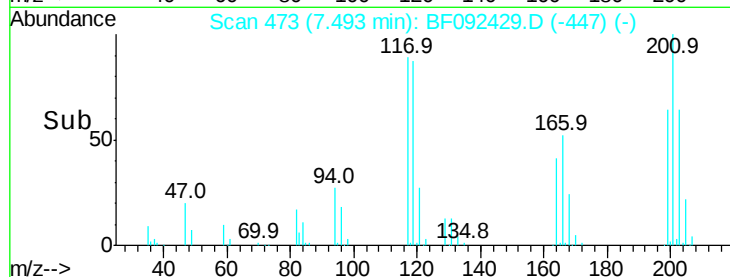
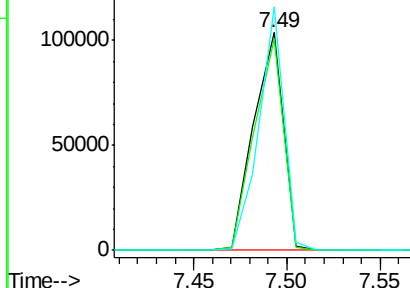
#18
Hexachloroethane
Concen: 26.87 ng
RT: 7.49 min Scan# 473
Delta R.T. -0.00 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Instrument :
BNA_F
ClientSampleID :
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Tot Ion:117 Resp: 113453
Ion Ratio Lower Upper
117 100
119 96.8 78.1 117.1
201 111.7 78.6 117.8

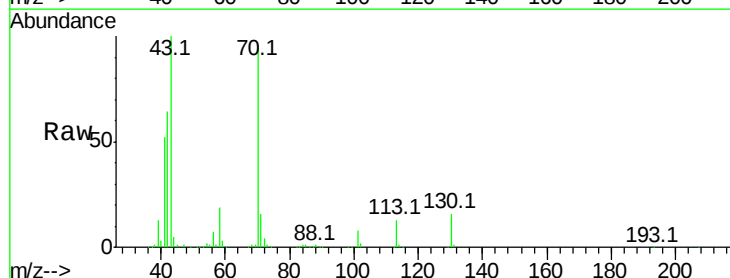


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

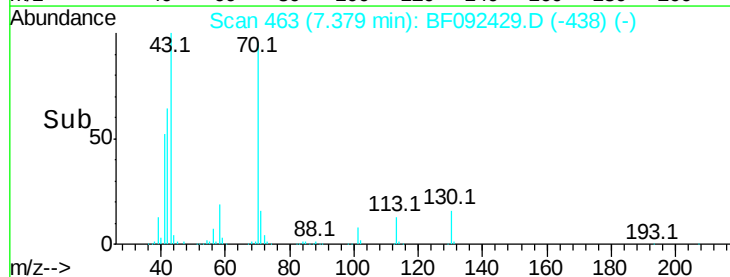
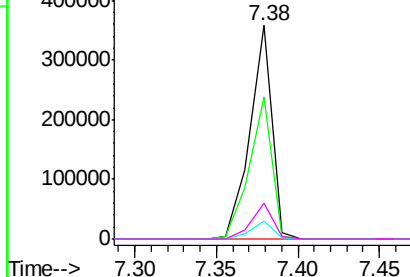


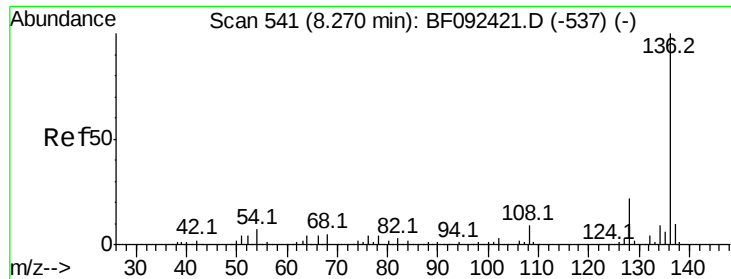
#19
n-Nitroso-di-n-propylamine
Concen: 39.55 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion: 70 Resp: 336329
Ion Ratio Lower Upper
70 100
42 66.7 49.4 74.0
101 8.4 7.4 11.2
130 16.8 14.2 21.4



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

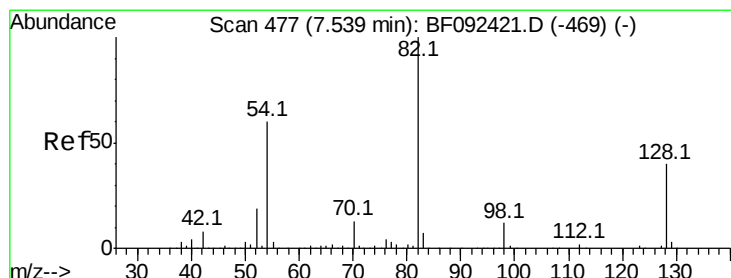
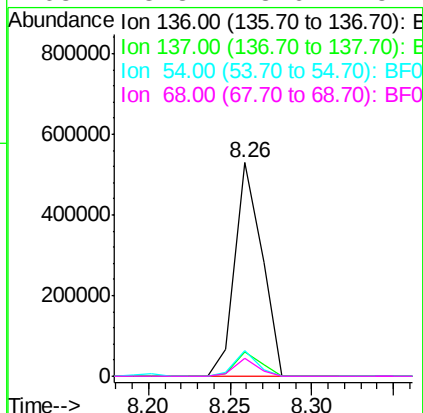
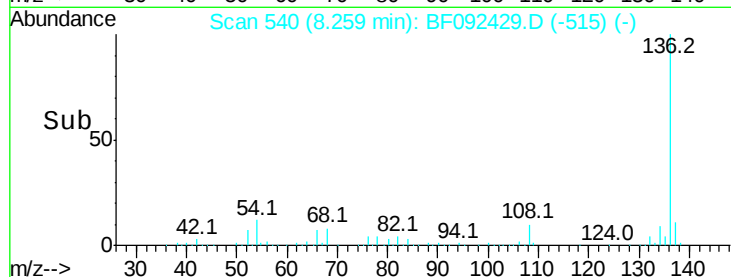
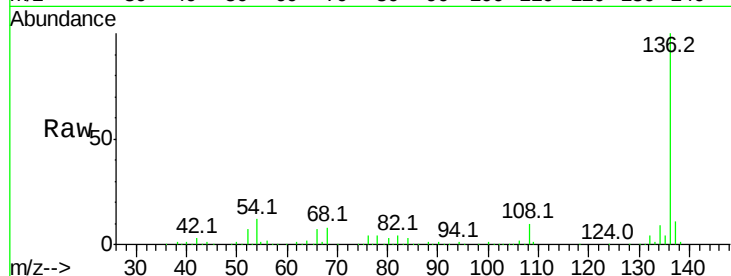




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

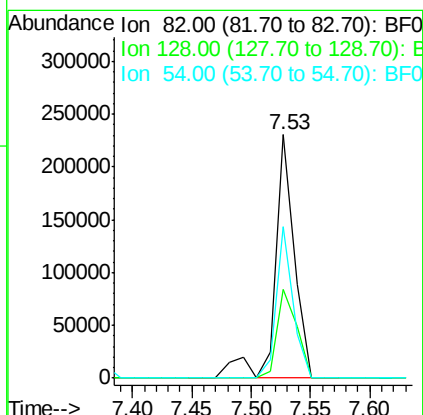
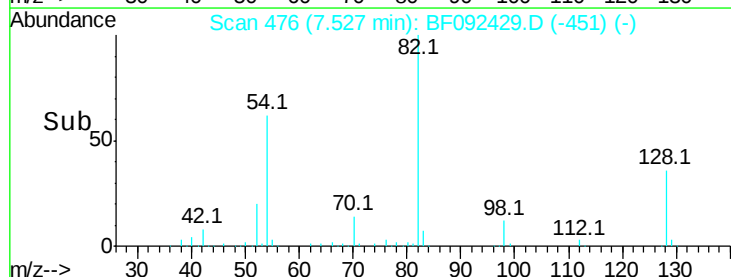
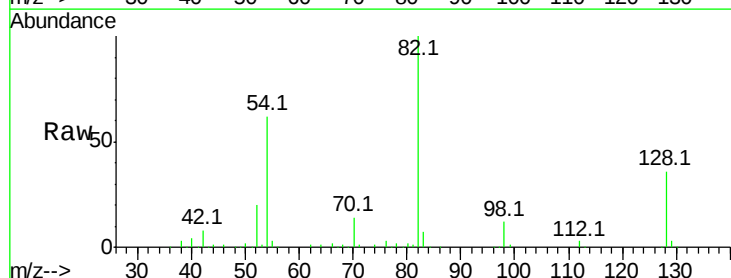
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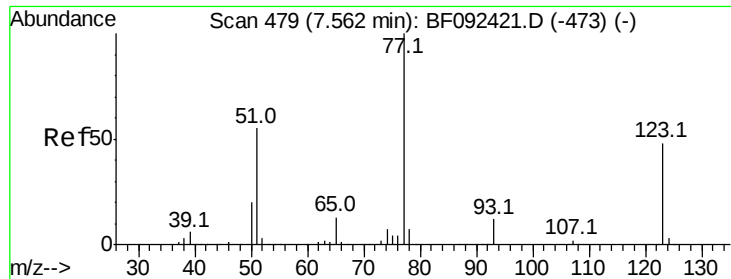
Tot Ion:136	Resp:	602968
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.4 12.6
54	12.2	4.5 6.7#
68	8.3	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 23.60 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion: 82	Resp:	260501
Ion	Ratio	Lower Upper
82	100	
128	36.2	34.6 52.0
54	62.2	39.5 59.3#





#24

Nitrobenzene

Concen: 8.23 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

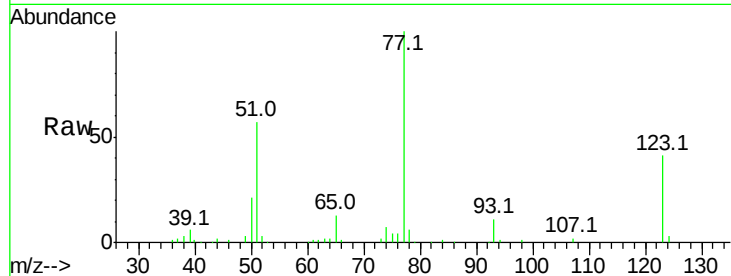
Tot Ion: 77 Resp: 95124

Ion Ratio Lower Upper

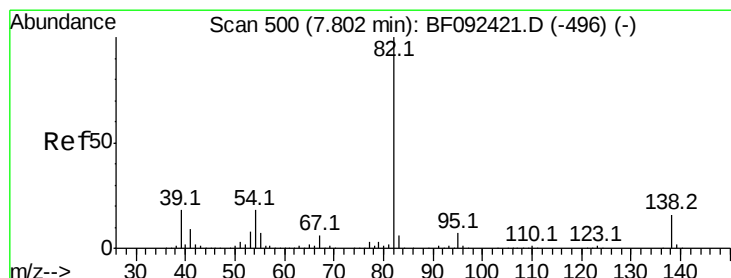
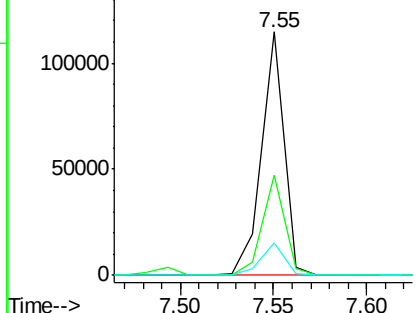
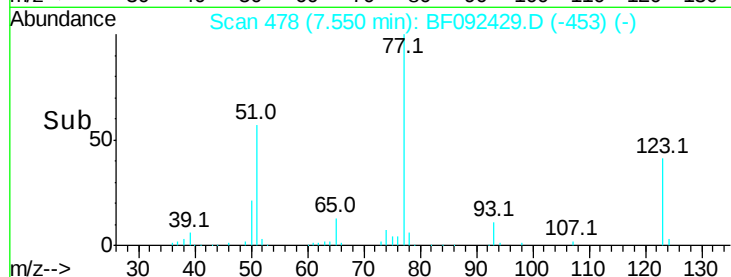
77 100

123 41.1 33.0 49.4

65 13.3 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 30.41 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

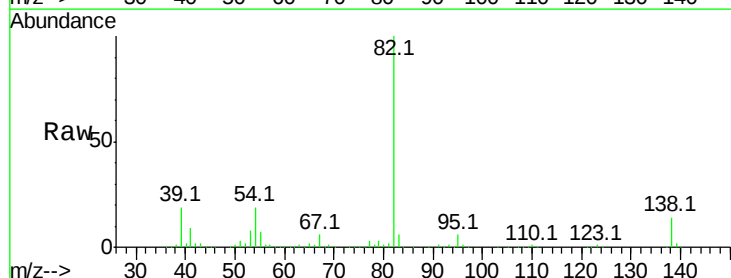
Tgt Ion: 82 Resp: 661538

Ion Ratio Lower Upper

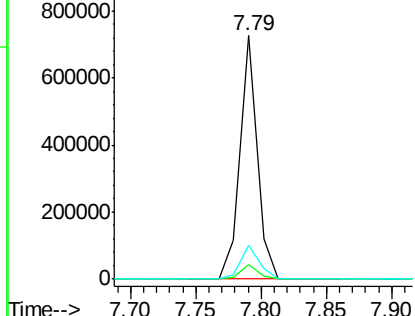
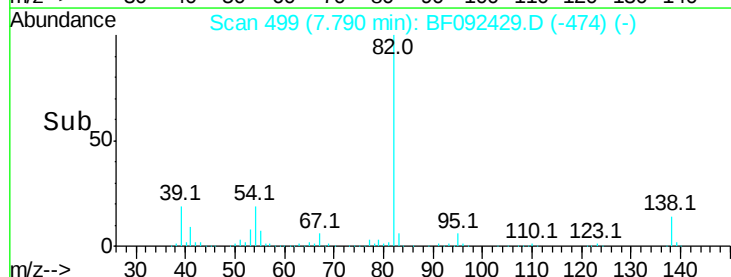
82 100

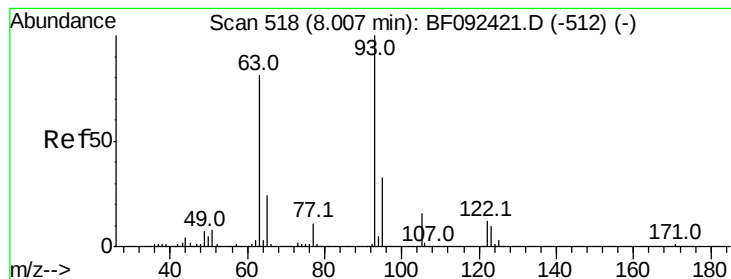
95 6.1 5.6 8.4

138 14.0 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





#28

bis(2-Chloroethoxy)methane

Concen: 11.63 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

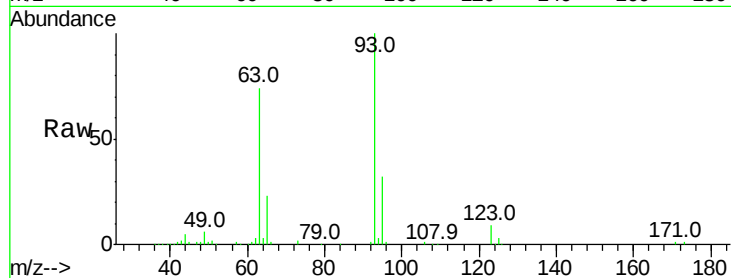
Tot Ion: 93 Resp: 166002

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

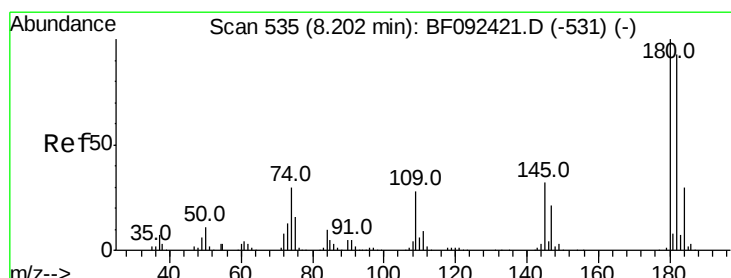
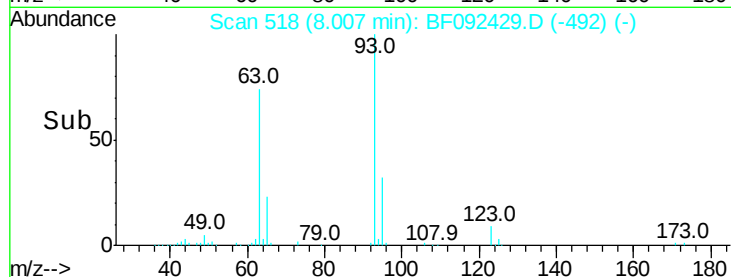
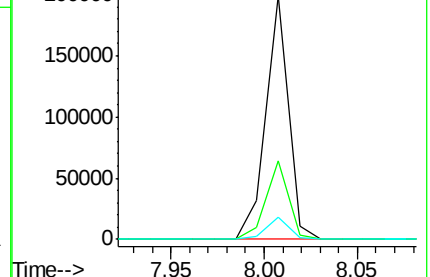
123 9.3 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 20.25 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

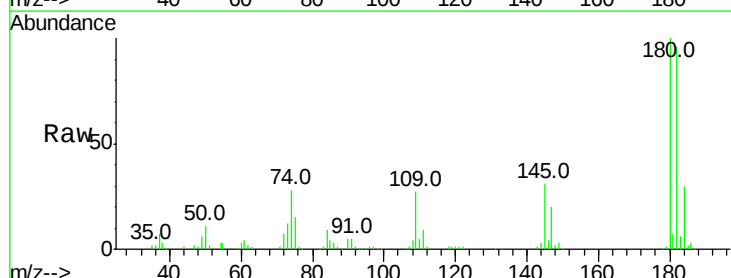
Tgt Ion:180 Resp: 191274

Ion Ratio Lower Upper

180 100

182 96.1 78.2 117.4

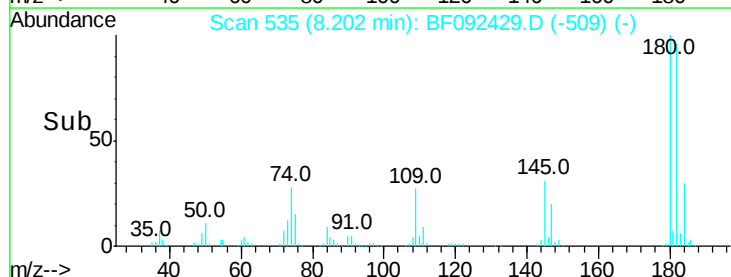
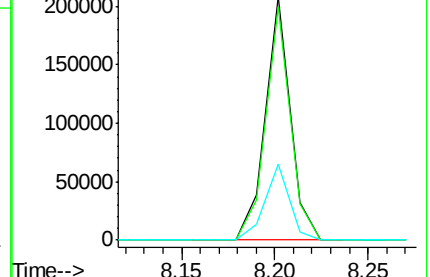
145 31.4 21.6 32.4

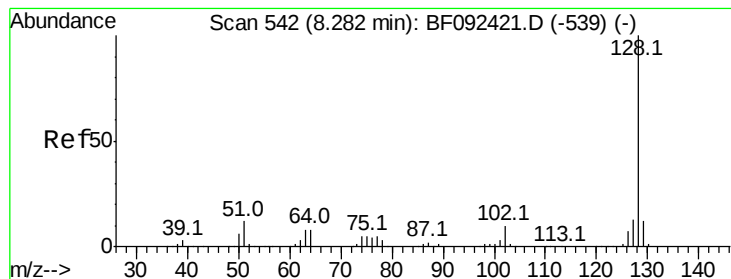


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 27.26 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

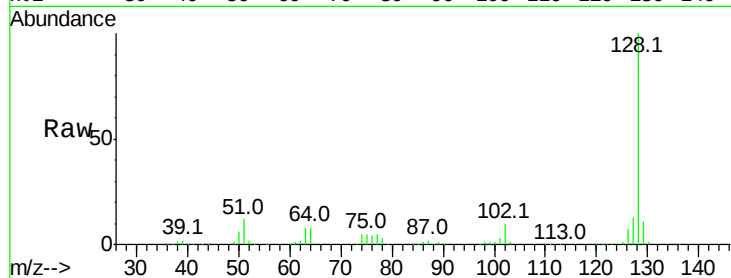
Tot Ion:128 Resp: 841402

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

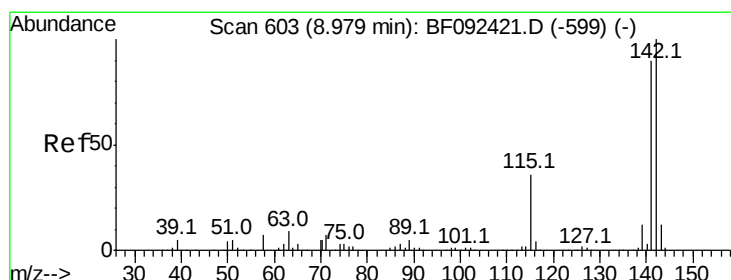
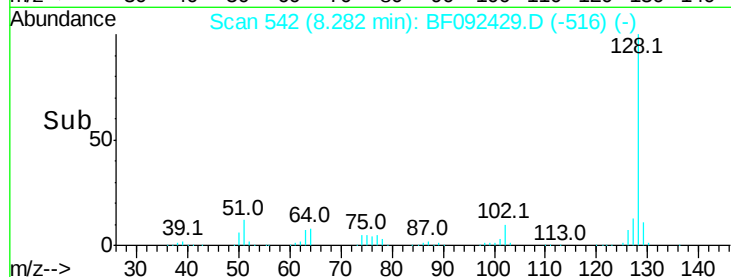
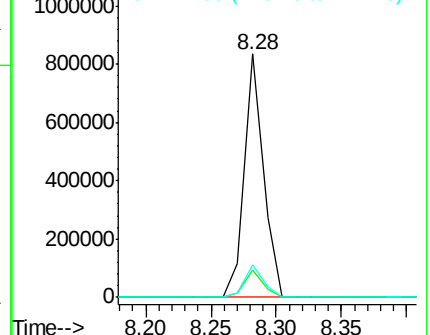
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 20.70 ng

RT: 8.98 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

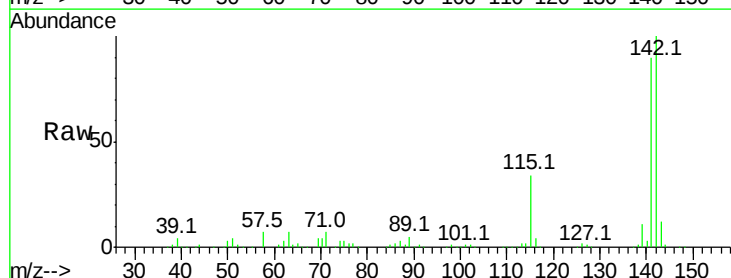
Tgt Ion:142 Resp: 404359

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6

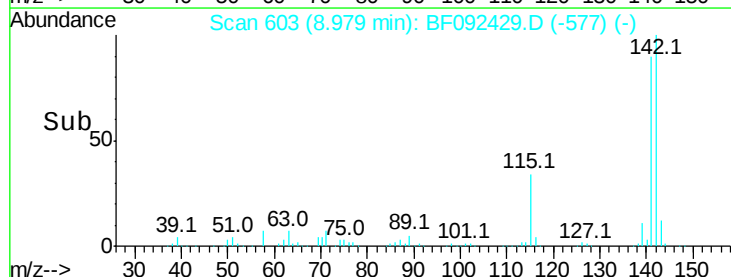
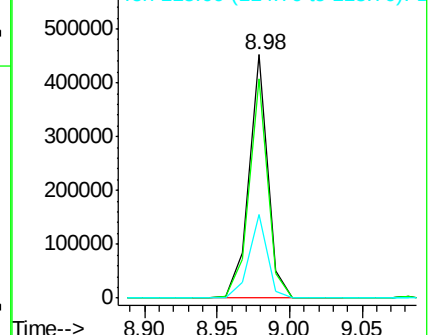
115 34.2 28.3 42.5

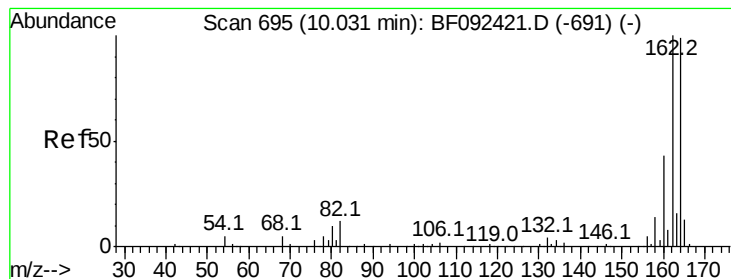


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleID :

0036DL

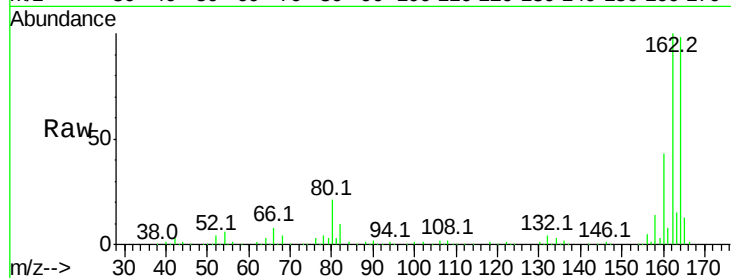
Tot Ion:164 Resp: 346422

Ion Ratio Lower Upper

164 100

162 102.2 80.2 120.2

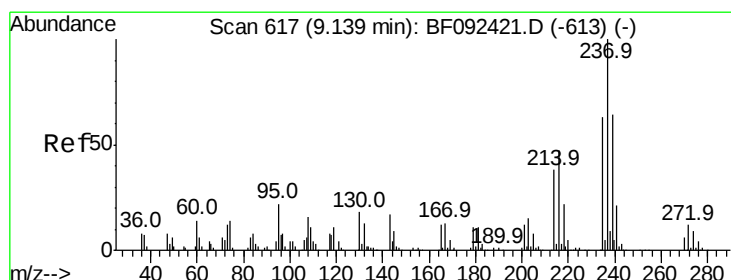
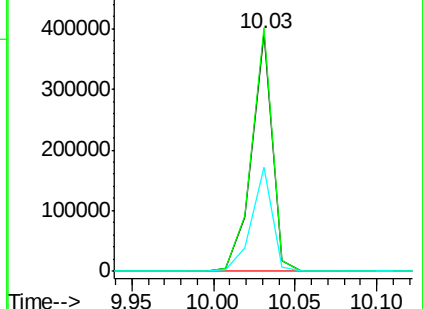
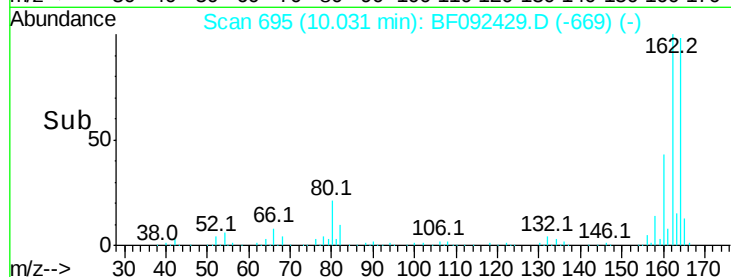
160 43.8 36.9 55.3



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



#40

Hexachlorocyclopentadiene

Concen: 20.58 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

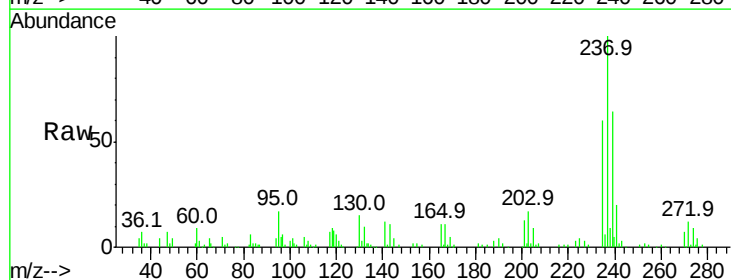
Tgt Ion:237 Resp: 90069

Ion Ratio Lower Upper

237 100

235 59.9 41.2 81.2

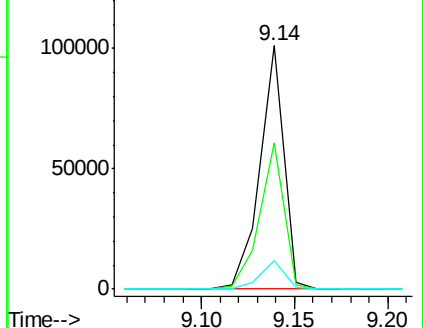
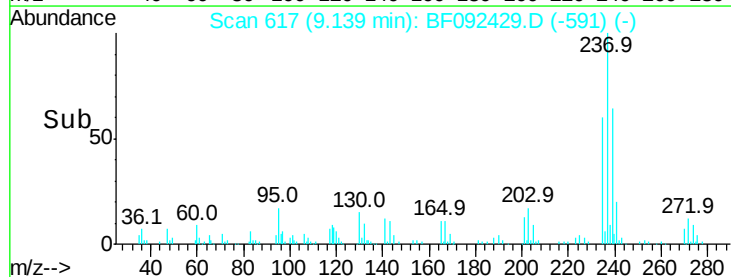
272 12.0 0.0 35.4

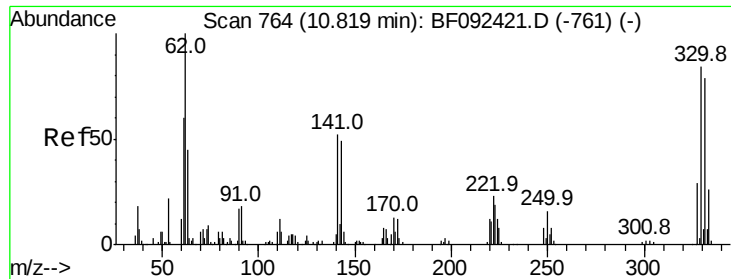


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

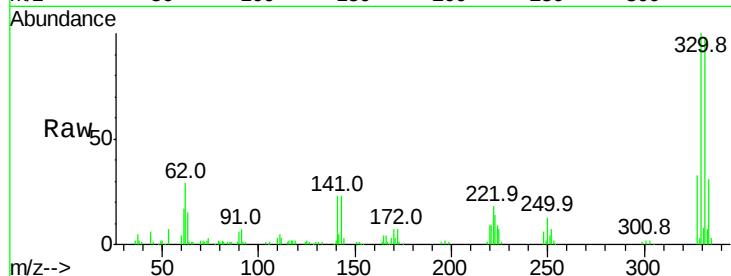




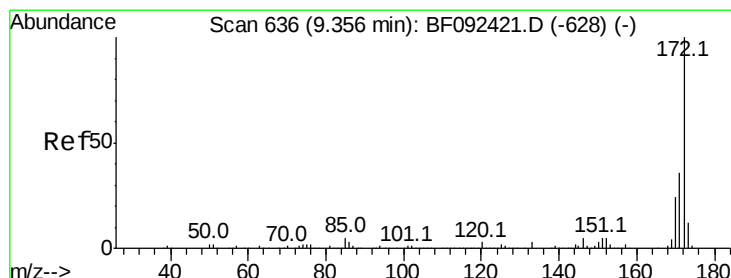
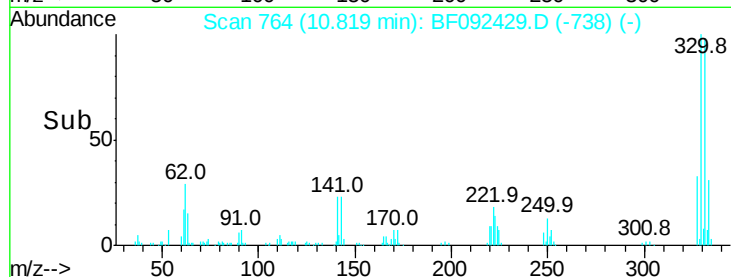
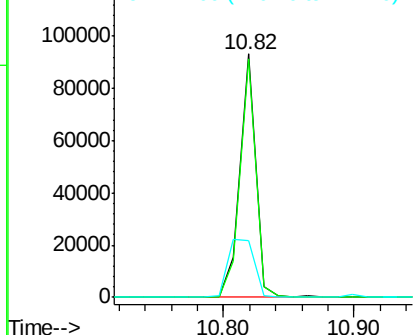
#41
 2,4,6-Tribromophenol
 Concen: 33.28 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Instrument :
 BNA_F
 ClientSampleId :
 0036DL

Tot Ion:330 Resp: 78569
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 39.6 34.1 51.1

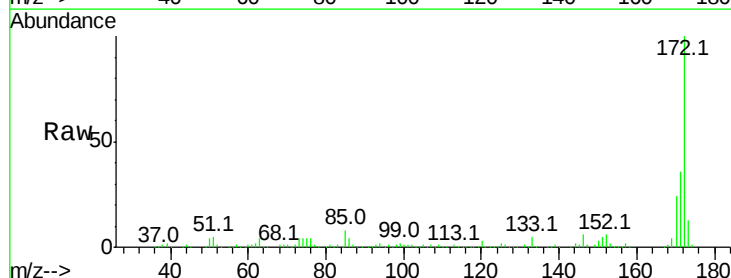


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

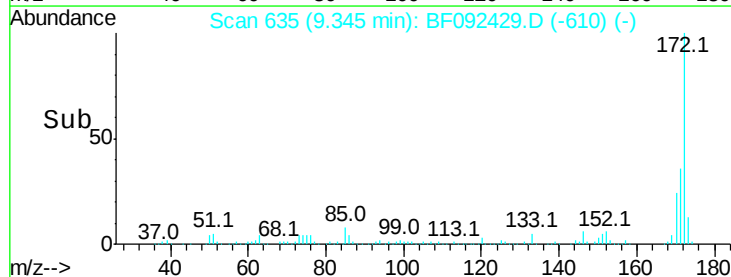
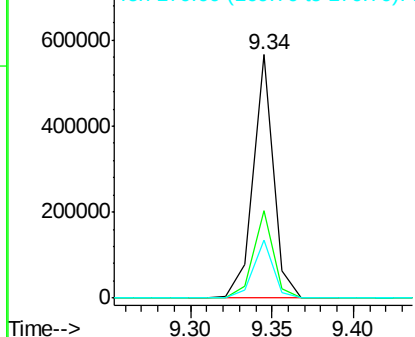


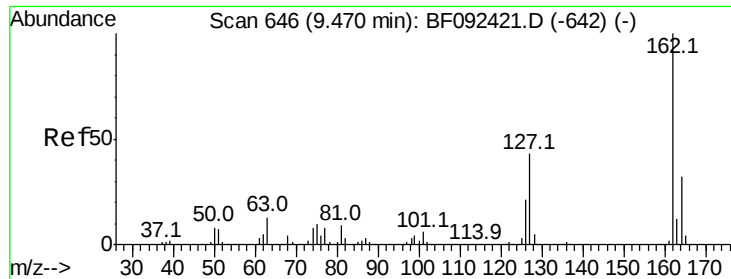
#44
 2-Fluorobiphenyl
 Concen: 26.08 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Tgt Ion:172 Resp: 488493
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.0 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

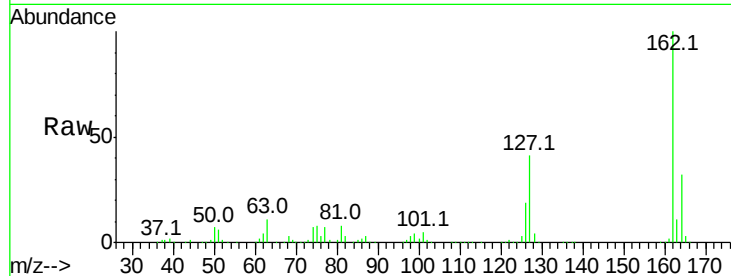




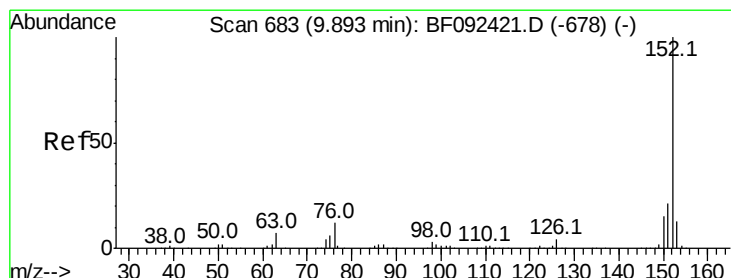
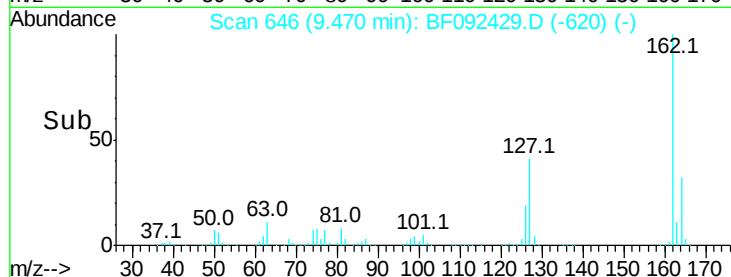
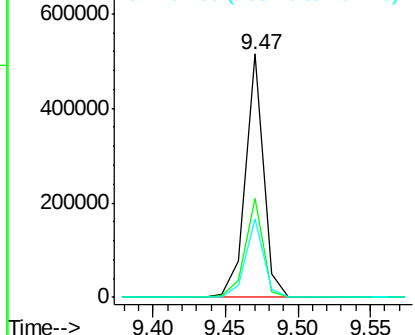
#46
 2-Chloronaphthalene
 Concen: 21.79 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Instrument :
 BNA_F
 ClientSampleId :
 0036DL

Tot Ion:162 Resp: 445756
 Ion Ratio Lower Upper
 162 100
 127 40.6 30.7 46.1
 164 32.0 27.6 41.4

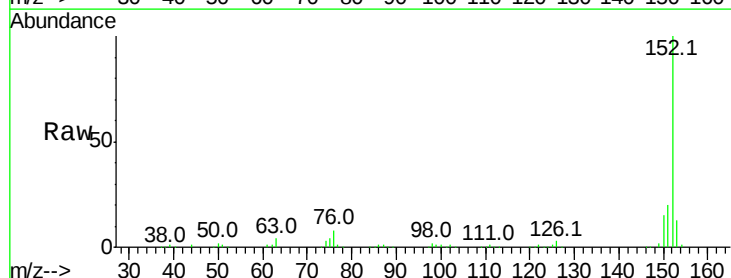


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

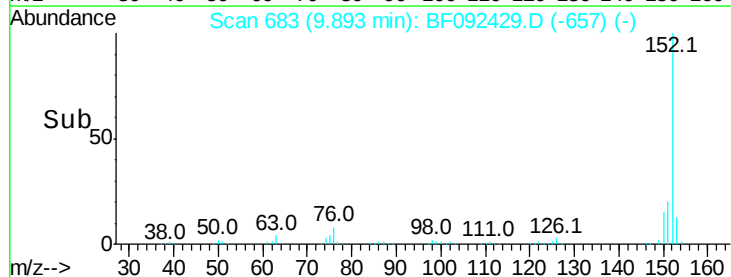
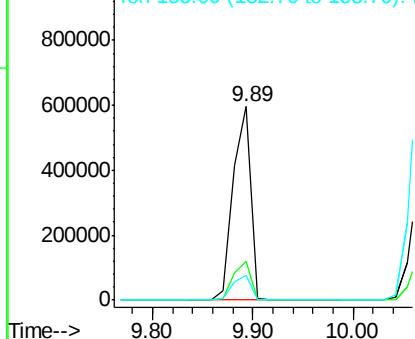


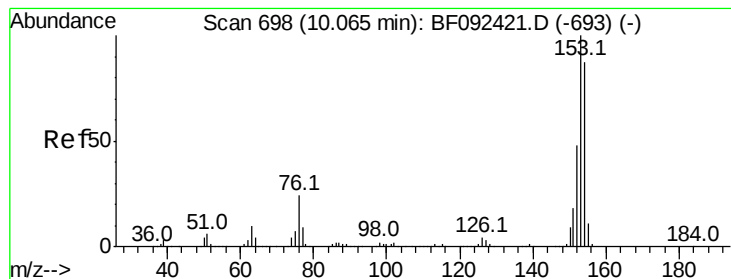
#48
 Acenaphthylene
 Concen: 23.91 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Tgt Ion:152 Resp: 717335
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.9 25.3
 153 12.9 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 33.21 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleID :

0036DL

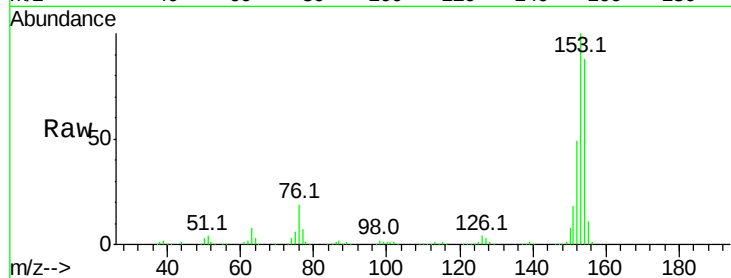
Tot Ion:154 Resp: 619124

Ion Ratio Lower Upper

154 100

153 113.5 88.6 133.0

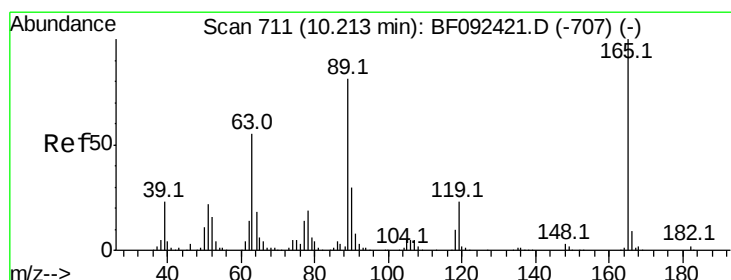
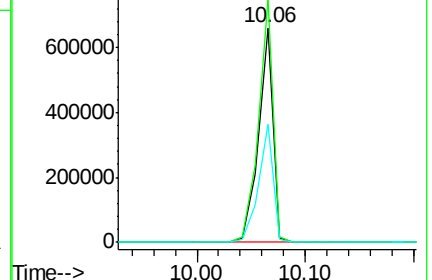
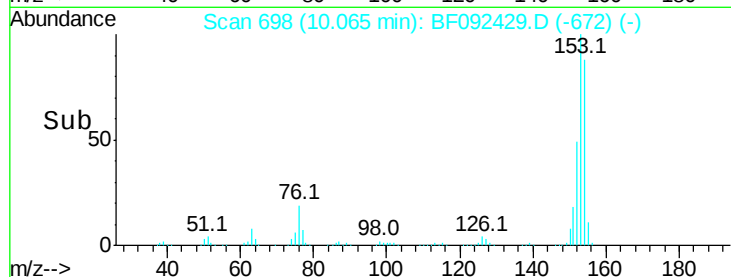
152 55.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 3.95 ng

RT: 10.20 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Tgt Ion:165 Resp: 23604

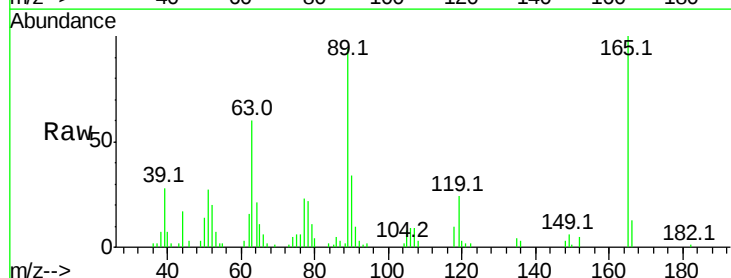
Ion Ratio Lower Upper

165 100

63 59.9 40.2 60.4

89 94.0 62.5 93.7#

182 1.4 1.8 2.8#

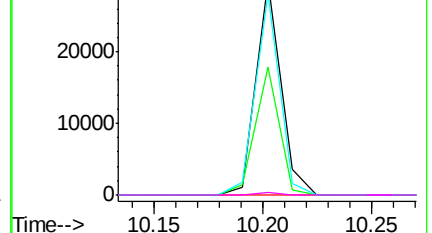
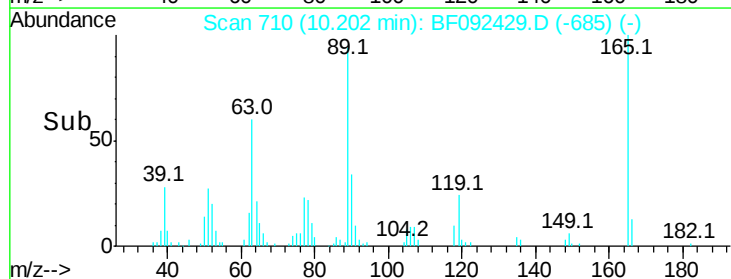


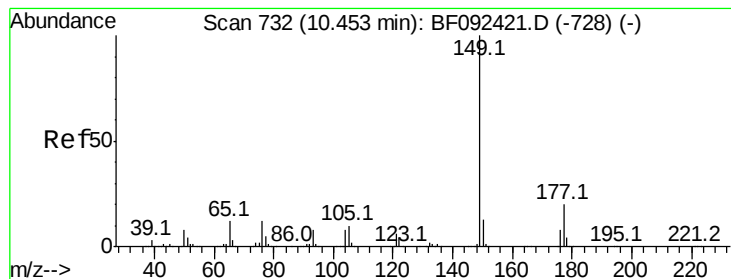
Abundance Ion 165.00 (164.70 to 165.70): E

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





#59

Diethylphthalate

Concen: 12.48 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

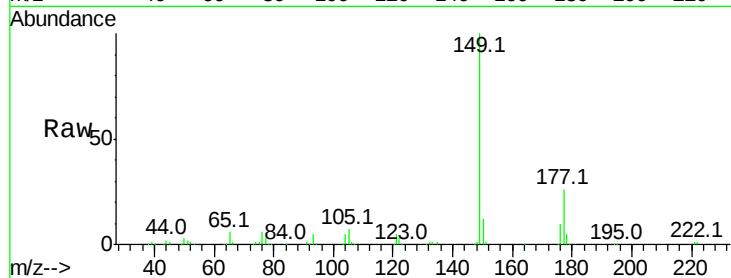
Tot Ion:149 Resp: 263596

Ion Ratio Lower Upper

149 100

177 25.7 16.6 25.0#

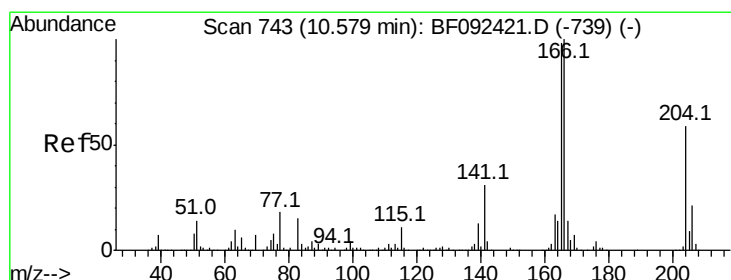
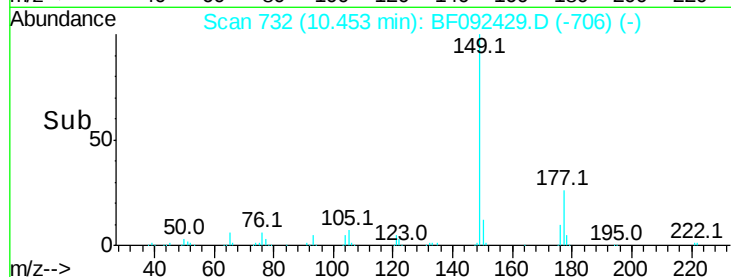
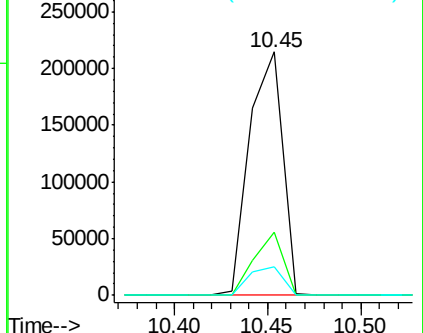
150 11.7 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 18.71 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

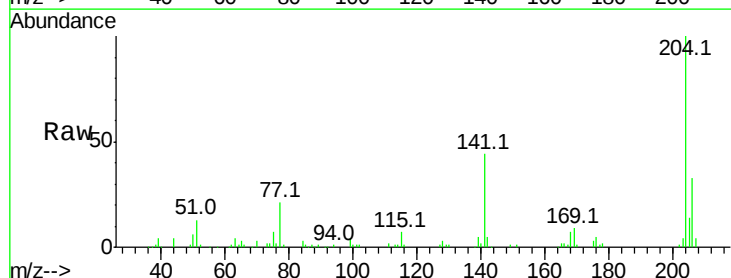
Tgt Ion:204 Resp: 170336

Ion Ratio Lower Upper

204 100

206 33.5 25.8 38.6

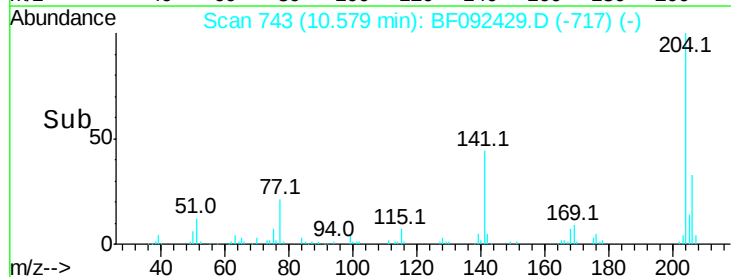
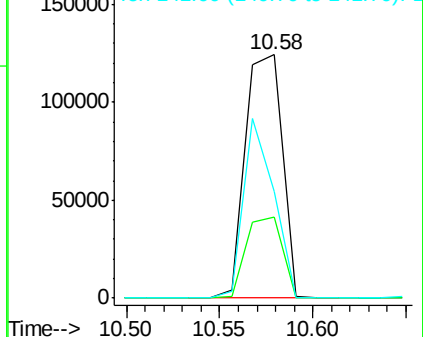
141 44.0 59.4 89.0#

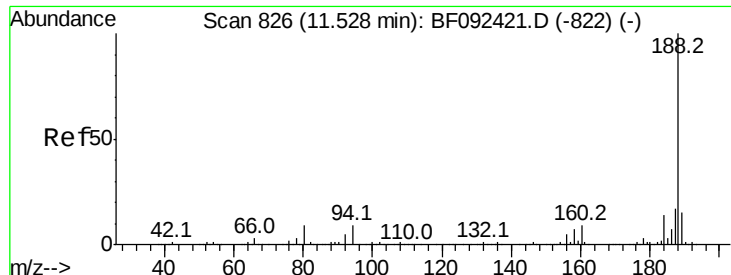


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

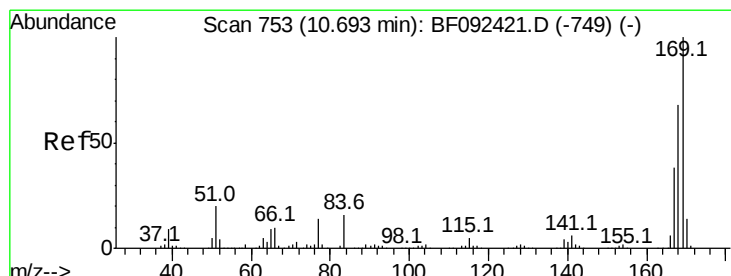
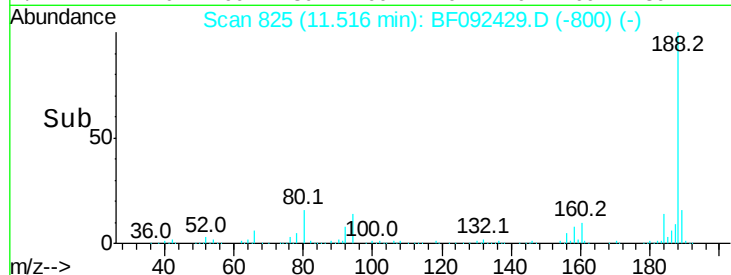
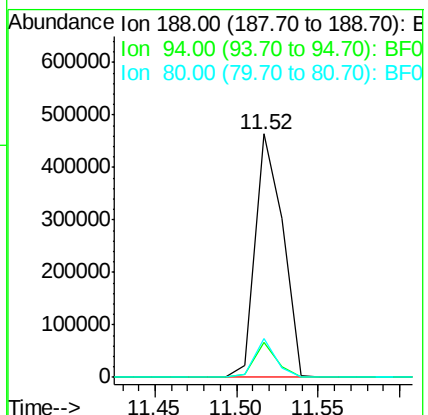
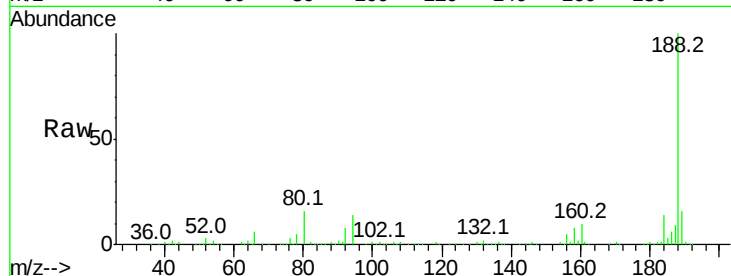




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

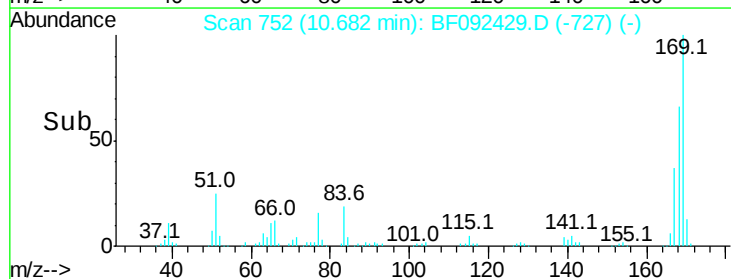
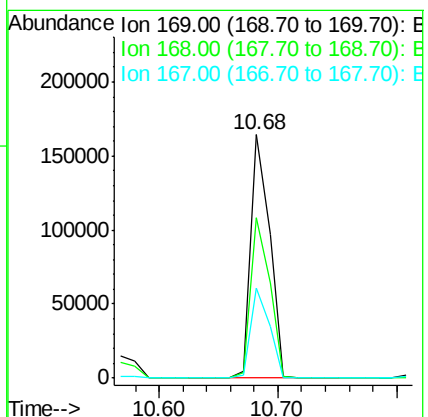
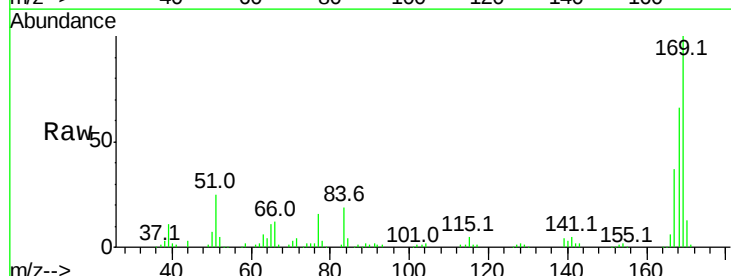
Instrument :
BNA_F
ClientSampleId :
0036DL

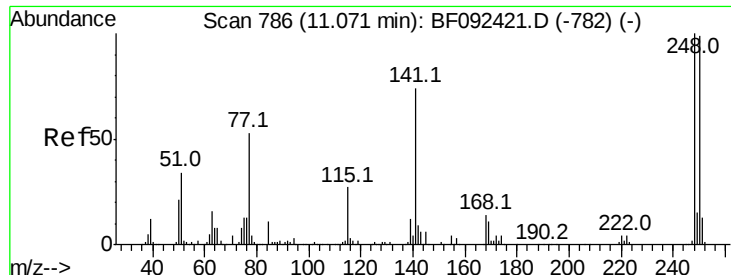
Tot Ion	Ratio	Lower	Upper
188	100		
94	14.2	10.0	15.0
80	15.9	11.2	16.8



#65
n-Nitrosodiphenylamine
Concen: 10.77 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.1	54.2	81.2
167	36.8	30.2	45.4

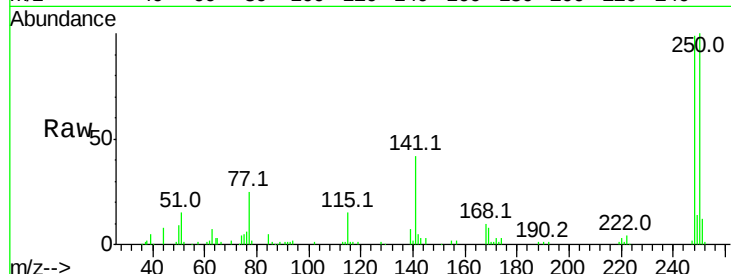




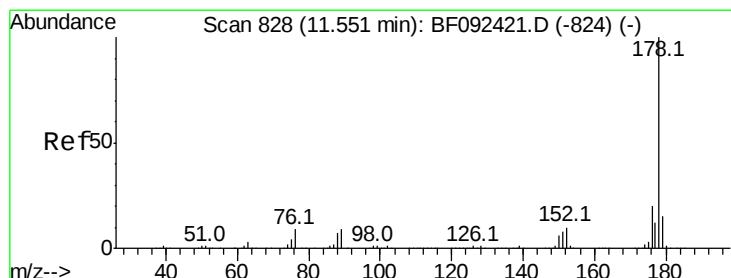
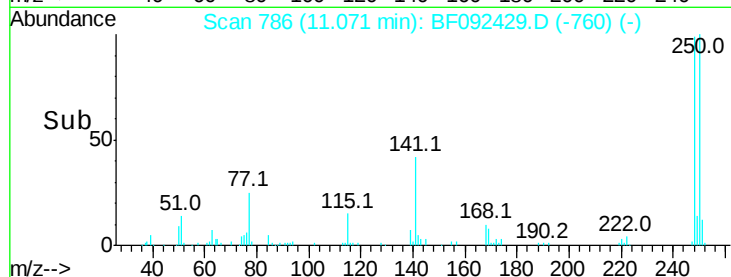
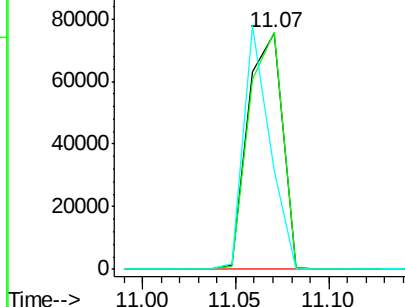
#66
 4-Bromophenyl-phenylether
 Concen: 17.48 ng
 RT: 11.07 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Instrument :
 BNA_F
 ClientSampleID :
 0036DL

Tot Ion:248 Resp: 96285
 Ion Ratio Lower Upper
 248 100
 250 100.6 76.9 115.3
 141 42.0 68.2 102.4#

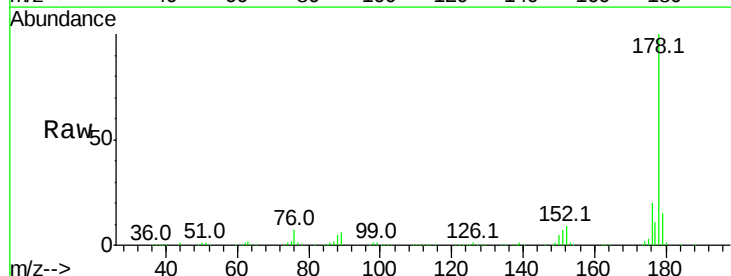


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

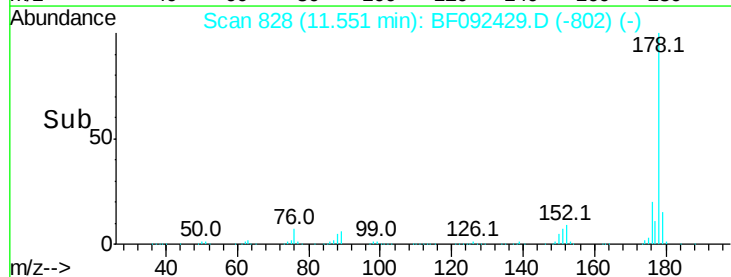
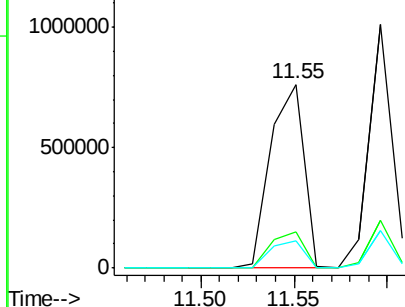


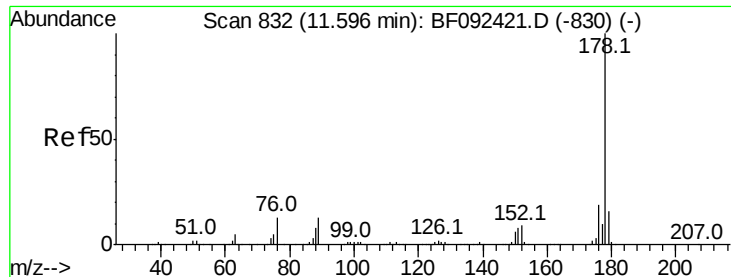
#70
 Phenanthrene
 Concen: 31.66 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Tgt Ion:178 Resp: 951194
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.6 25.0
 179 15.0 12.8 19.2



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





#71

Anthracene

Concen: 29.41 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

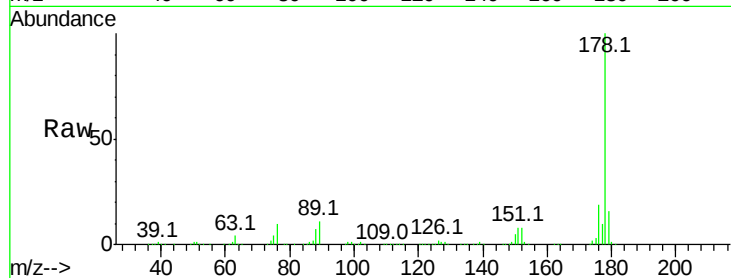
Tot Ion:178 Resp: 863586

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

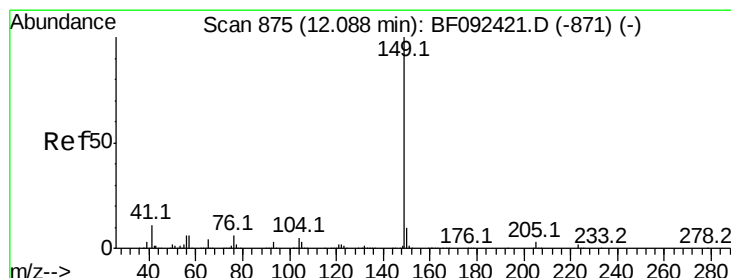
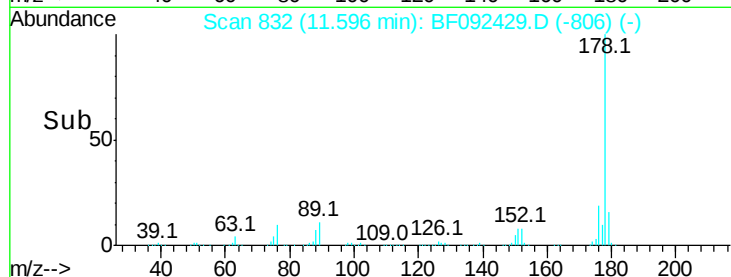
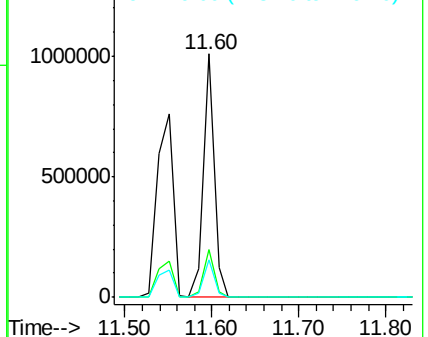
179 15.5 13.2 19.8



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



#73

Di-n-butylphthalate

Concen: 22.48 ng

RT: 12.09 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

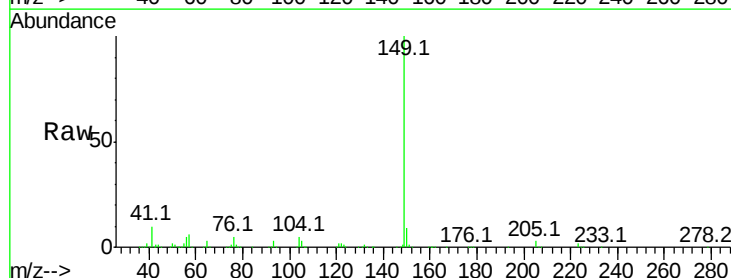
Tgt Ion:149 Resp: 720662

Ion Ratio Lower Upper

149 100

150 9.4 8.1 12.1

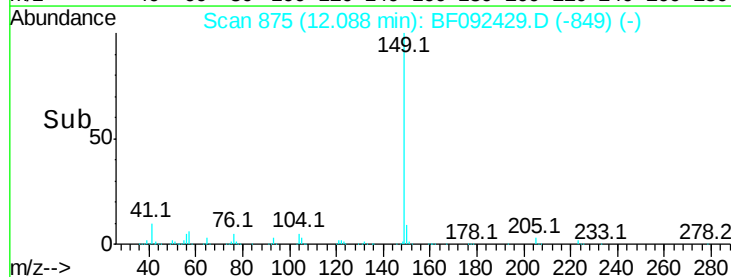
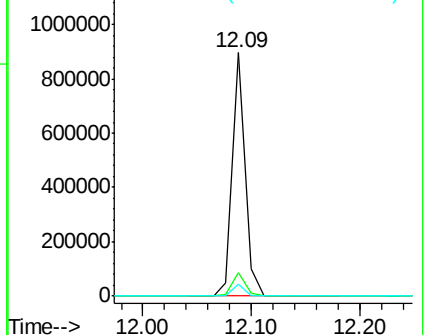
104 4.7 4.6 7.0

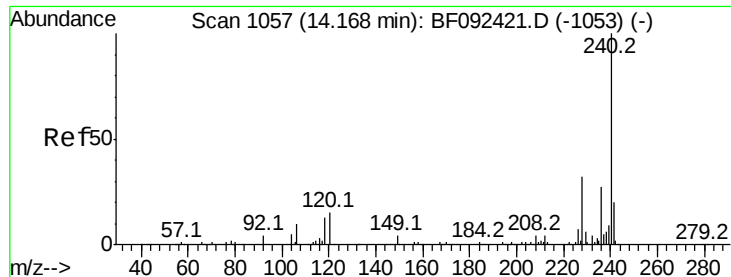


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

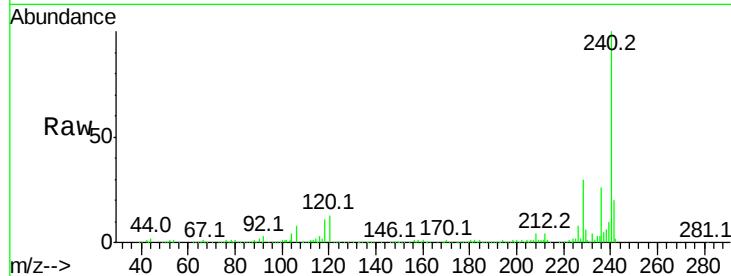
Tot Ion:240 Resp: 483084

Ion Ratio Lower Upper

240 100

120 12.5 12.9 19.3#

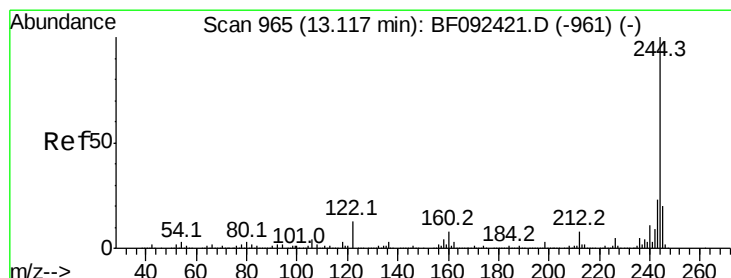
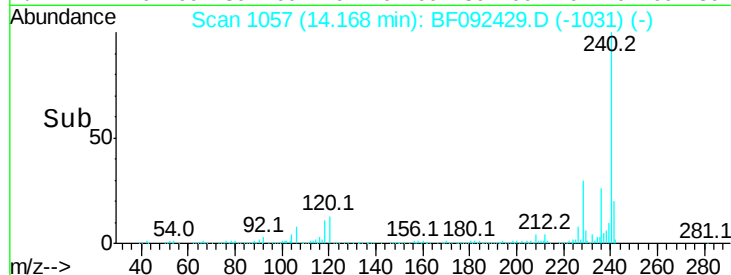
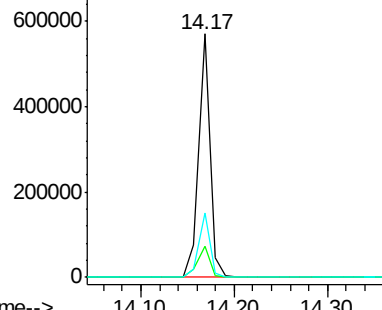
236 26.4 20.9 31.3



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: 23.83 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

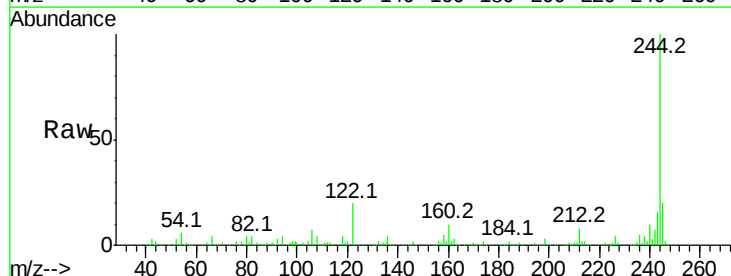
Tgt Ion:244 Resp: 432353

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

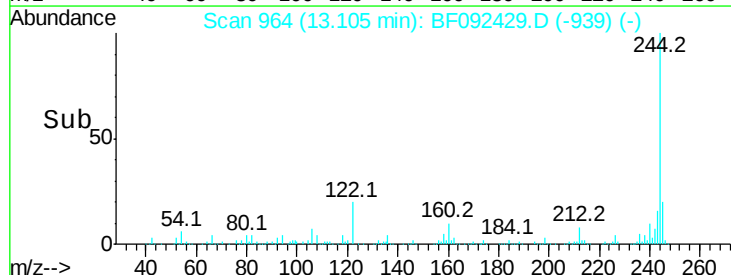
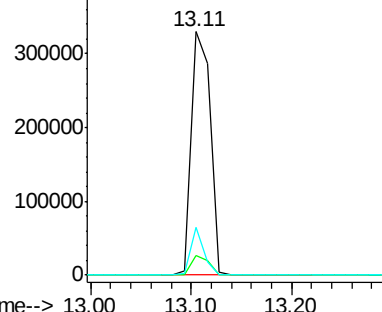
122 19.6 11.4 17.2#

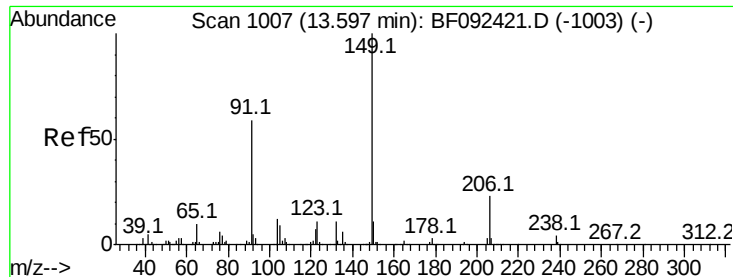


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

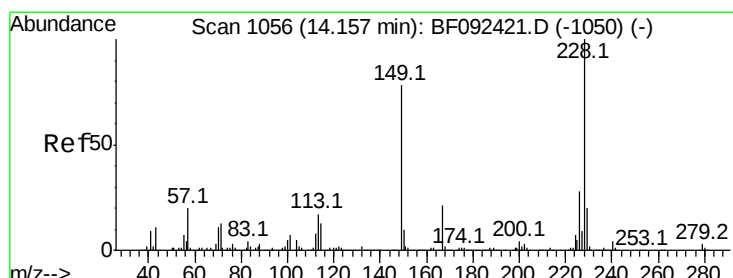
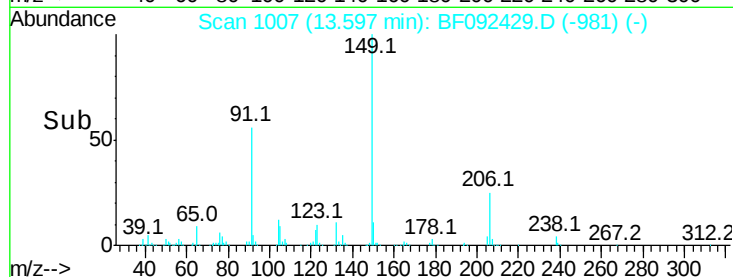
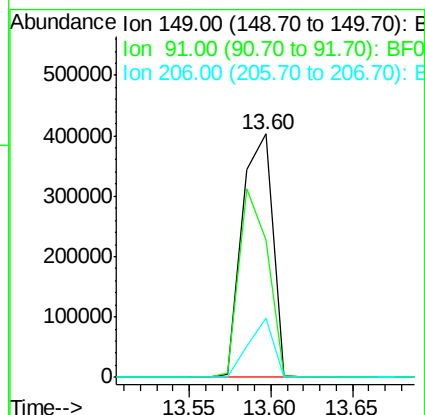
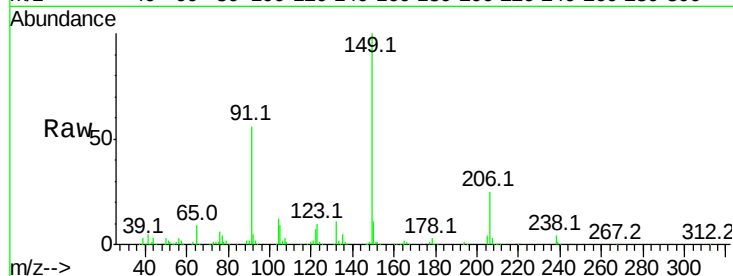




#79
Butylbenzylphthalate
Concen: 36.52 ng
RT: 13.60 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

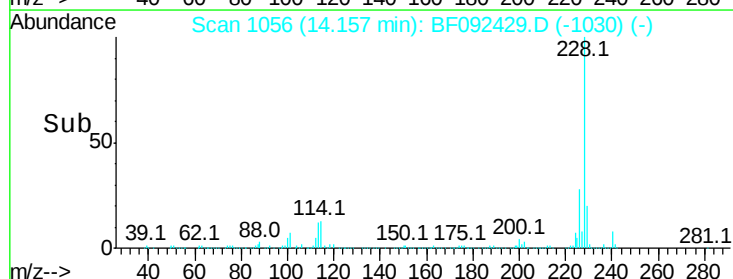
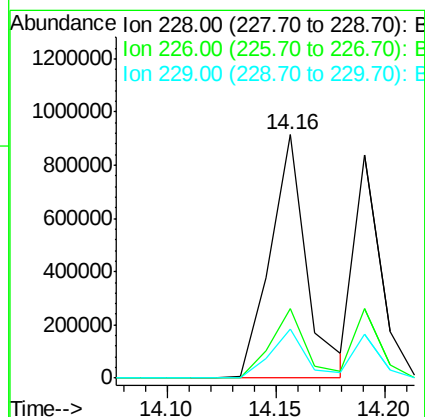
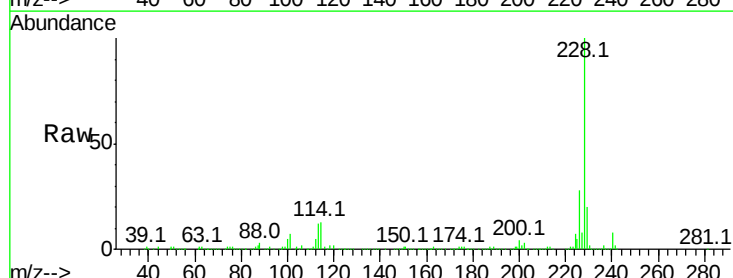
Instrument :
BNA_F
ClientSampleID :
0036DL

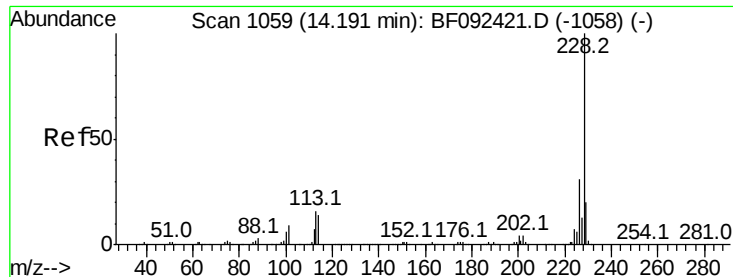
Tot Ion:149 Resp: 517833
Ion Ratio Lower Upper
149 100
91 56.4 63.9 95.9#
206 24.5 14.6 21.8#



#80
Benzo(a)anthracene
Concen: 41.27 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion:228 Resp: 1071516
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 20.3 16.2 24.4





#82

Chrysene

Concen: 25.82 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

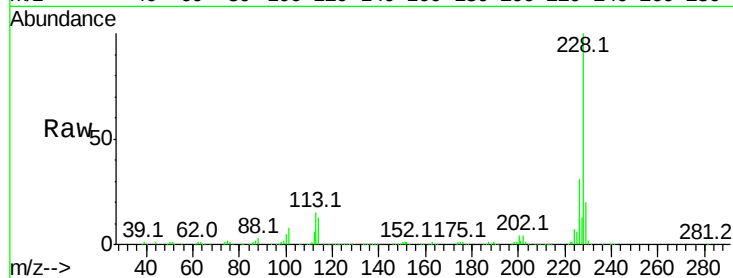
Tot Ion:228 Resp: 716048

Ion Ratio Lower Upper

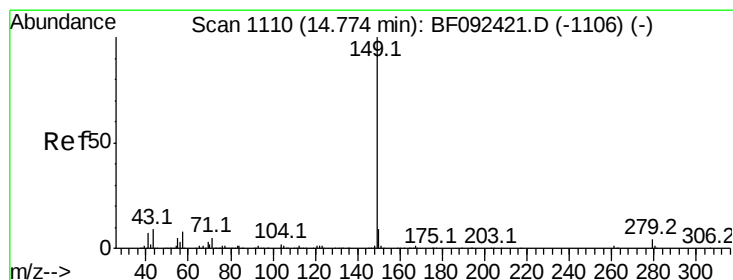
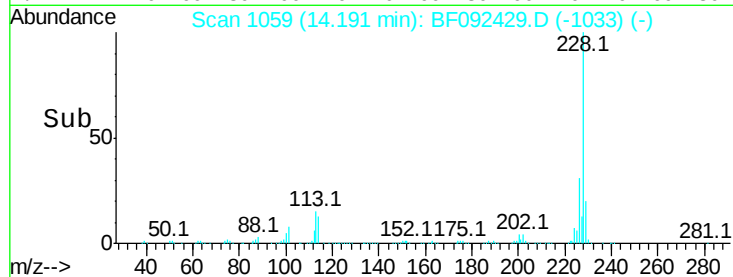
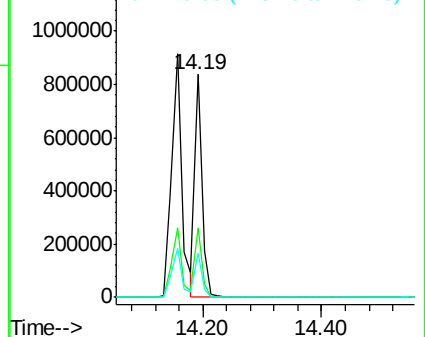
228 100

226 31.1 25.4 38.0

229 20.0 16.2 24.2



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



#84

Di-n-octyl phthalate

Concen: 23.87 ng

RT: 14.76 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

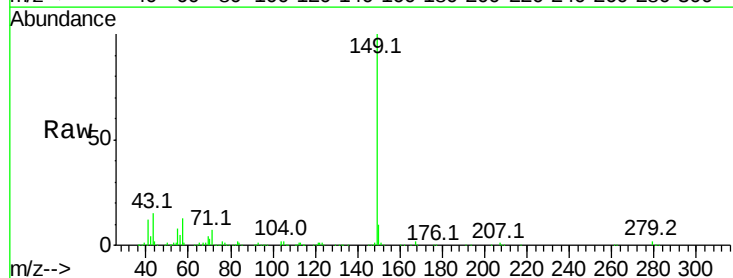
Tgt Ion:149 Resp: 773981

Ion Ratio Lower Upper

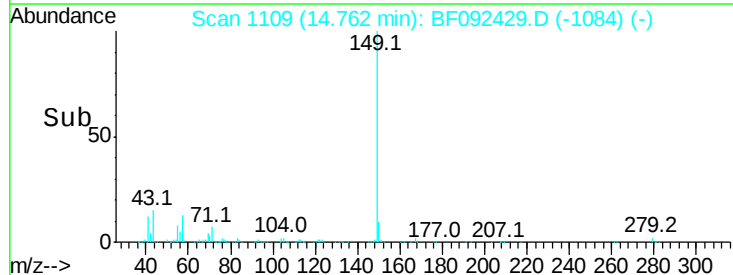
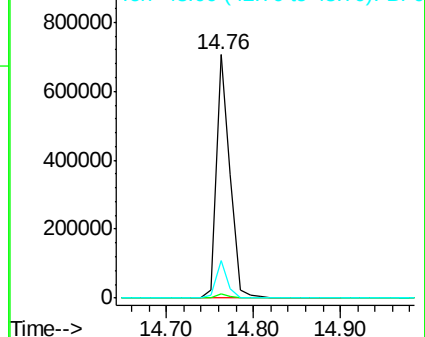
149 100

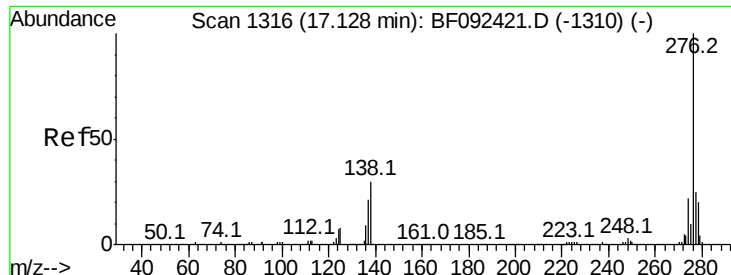
167 1.5 1.3 1.9

43 13.6 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

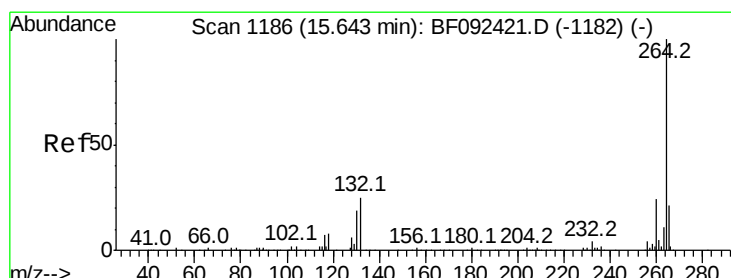
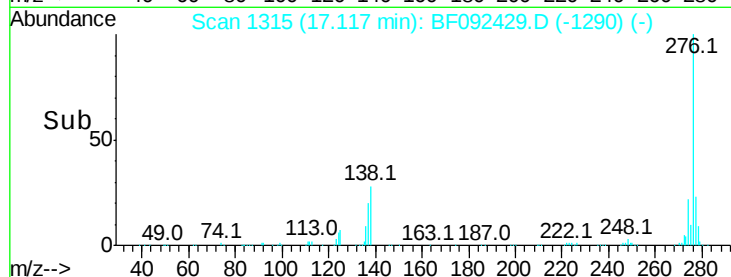
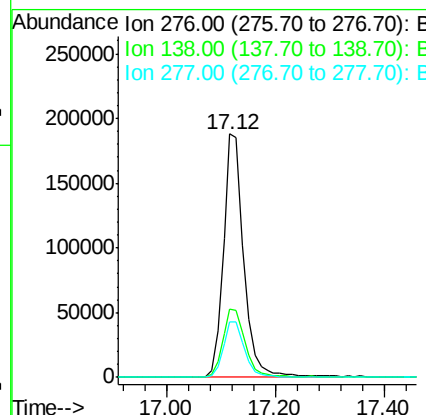
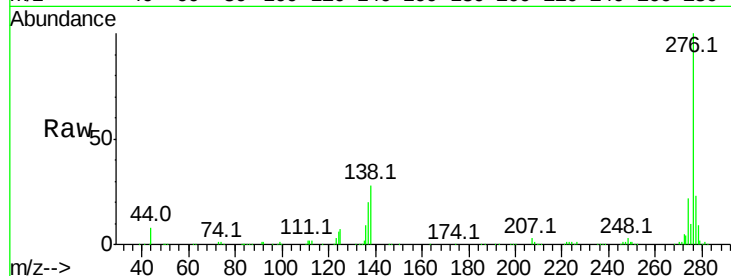




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.06 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

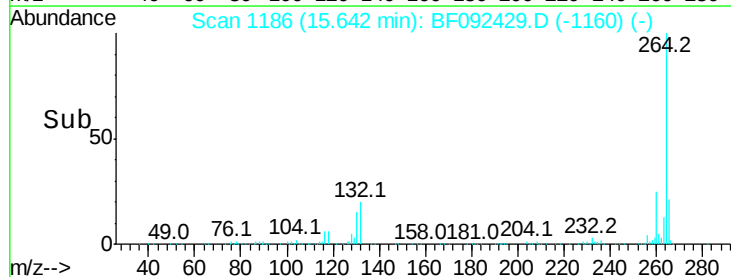
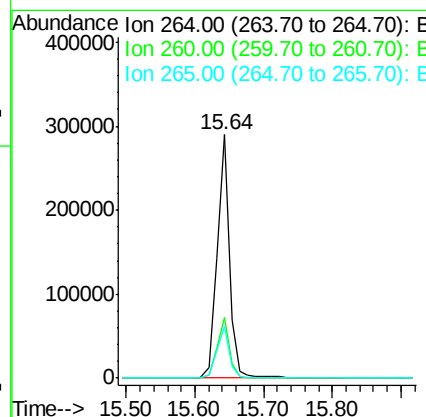
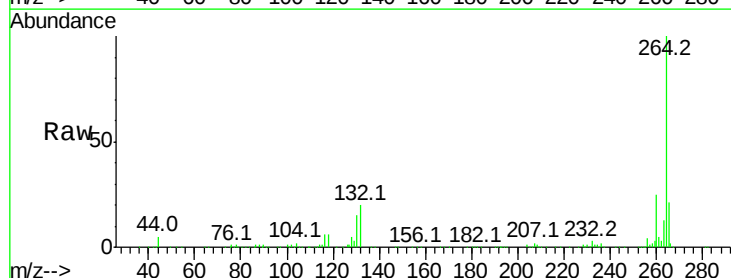
Instrument :
 BNA_F
 ClientSampleId :
 0036DL

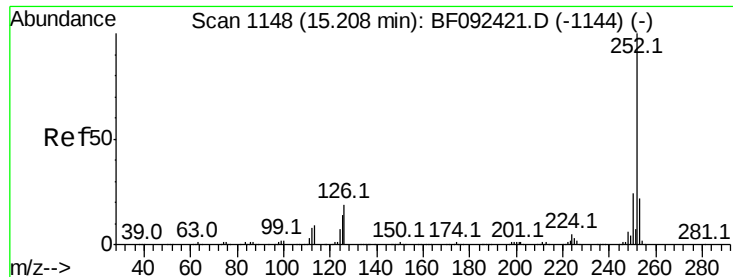
Tot Ion:276 Resp: 493600
 Ion Ratio Lower Upper
 276 100
 138 30.6 21.8 32.6
 277 24.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF092429.D
 Acq: 24 Jan 2017 15:23

Tgt Ion:264 Resp: 367977
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 21.2 17.4 26.0

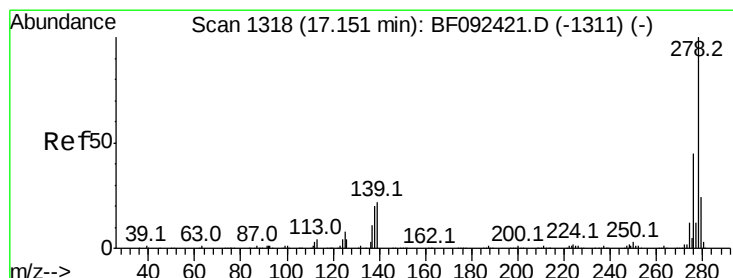
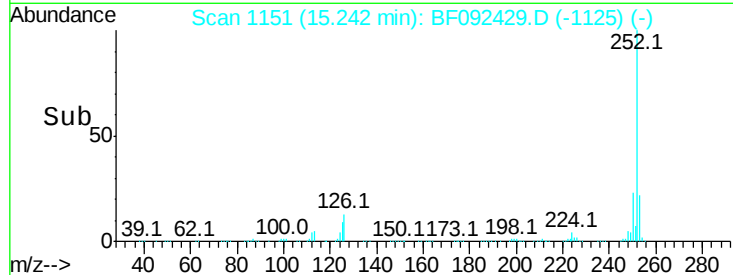
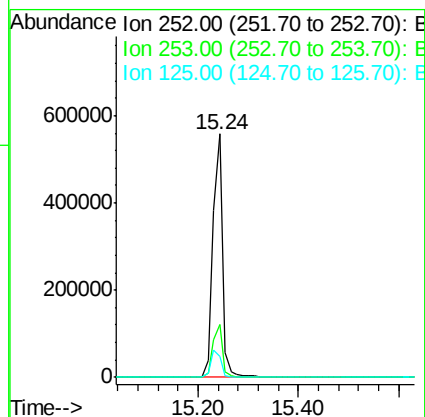
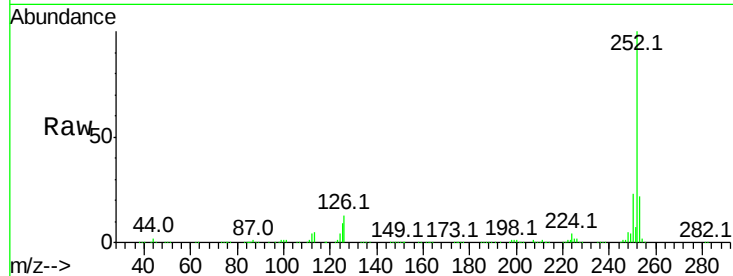




#88
Benzo(k)fluoranthene
Concen: 37.68 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

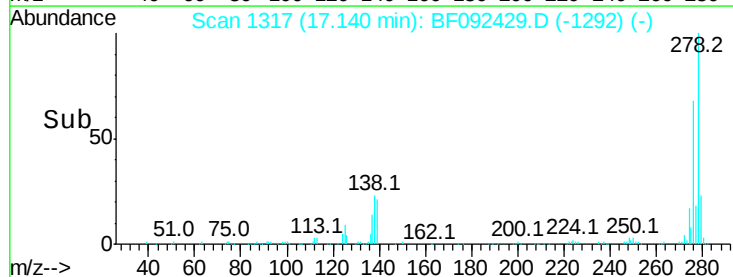
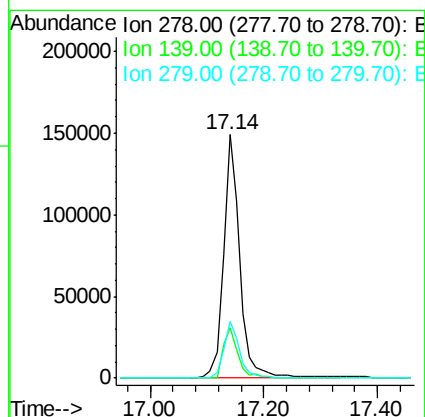
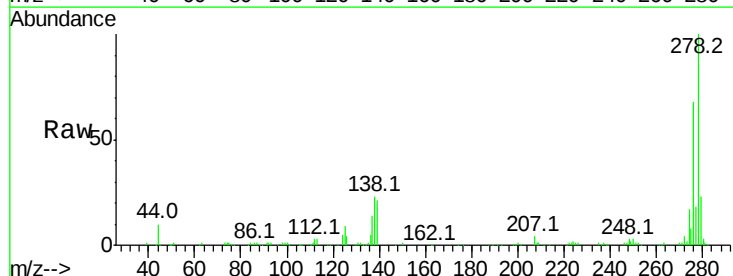
Instrument :
BNA_F
ClientSampleId :
0036DL

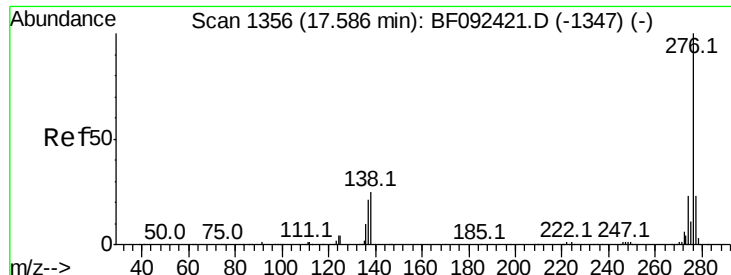
Tot Ion:252 Resp: 740126
Ion Ratio Lower Upper
252 100
253 21.5 18.5 27.7
125 8.8 8.9 13.3#



#90
Dibenzo(a,h)anthracene
Concen: 18.42 ng
RT: 17.14 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF092429.D
Acq: 24 Jan 2017 15:23

Tgt Ion:278 Resp: 297637
Ion Ratio Lower Upper
278 100
139 20.9 14.8 22.2
279 23.1 19.8 29.6





#91

Benzo(a,h,i)perylene

Concen: 37.04 ng

RT: 17.57 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF092429.D

Acq: 24 Jan 2017 15:23

Instrument :

BNA_F

ClientSampleId :

0036DL

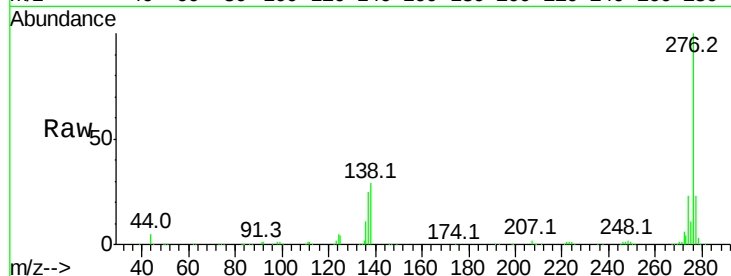
Tot Ion:276 Resp: 605385

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 29.2 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

