

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092374.D
 Acq On : 20 Jan 2017 15:50
 Operator : UM/SJ
 Sample : I1304-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Quant Time: Jan 20 22:13:50 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	566823	20.00	ng	0.04
21) Naphthalene-d8	7.81	136	617228	20.00	ng	-0.12
38) Acenaphthene-d10	9.56	164	424819	20.00	ng	-0.12
63) Phenanthrene-d10	11.03	188	649461	20.00	ng	-0.12
75) Chrysene-d12	13.66	240	425878	20.00	ng	-0.12
86) Perylene-d12	15.01	264	365499	20.00	ng	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	1282470	37.78	ng	-0.12
7) Phenol-d6	6.19	99	1679707	40.53	ng	-0.12
23) Nitrobenzene-d5	7.10	82	1185377	106.79	ng	-0.11
41) 2,4,6-Tribromophenol	10.35	330	427339	121.55	ng	-0.12
44) 2-Fluorobiphenyl	8.90	172	2196338	109.68	ng	-0.11
78) Terphenyl-d14	12.62	244	1595082	90.84	ng	-0.12

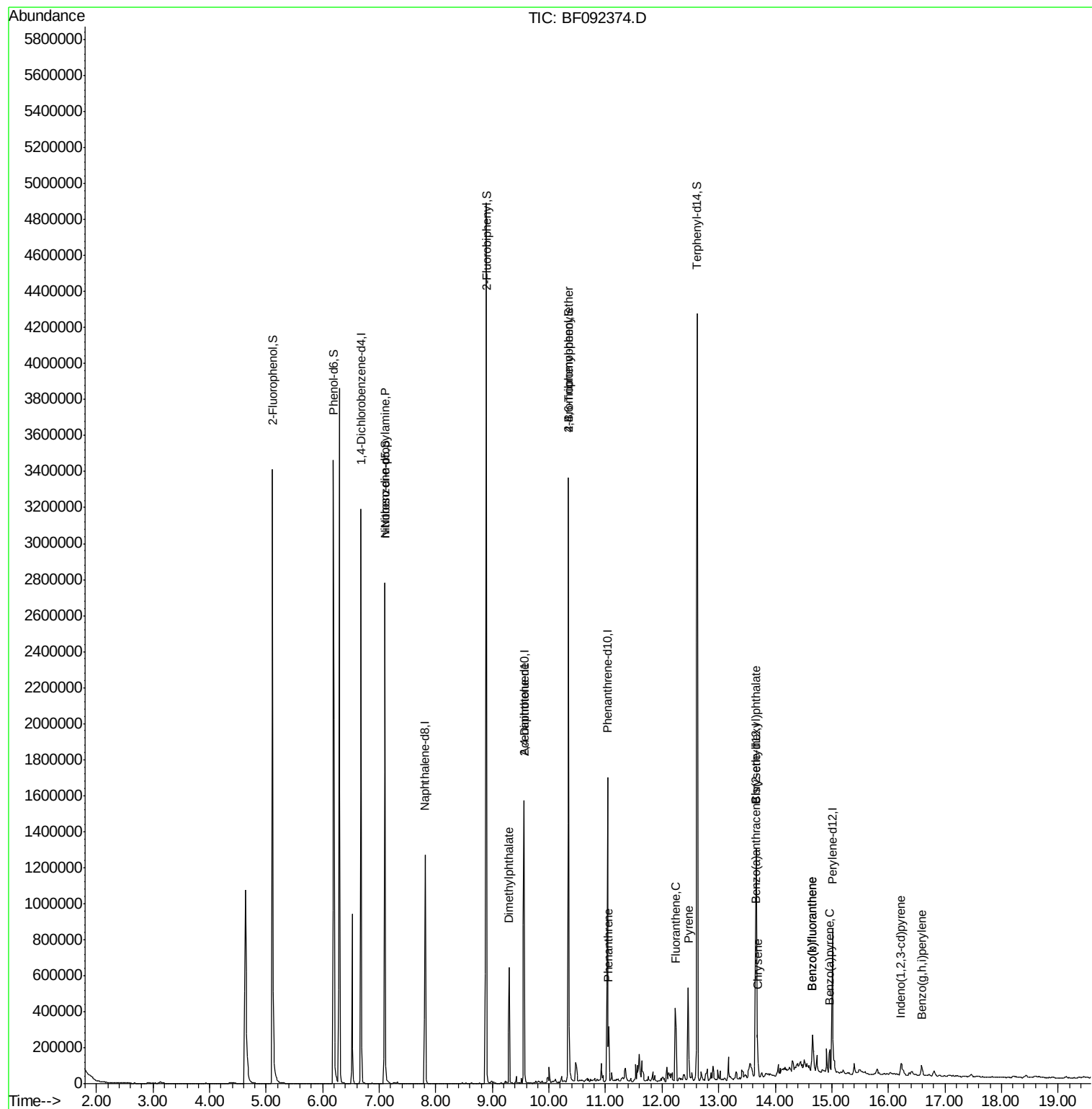
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.19	77	3013	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.10	70	159624	5.79 ng	#	73
37) 2-Methylnaphthalene	8.53	142	2061	Below Cal		98
49) Dimethylphthalate	9.30	163	319502	11.76 ng		99
56) 2,4-Dinitrotoluene	9.56	165	54085	7.25 ng	#	19
66) 4-Bromophenyl-phenylether	10.35	248	28187	4.17 ng	#	1
70) Phenanthrene	11.06	178	123235	3.50 ng		96
71) Anthracene	11.11	178	19299	Below Cal		99
73) Di-n-butylphthalate	11.62	149	9627	Below Cal	#	95
74) Fluoranthene	12.23	202	216085	3.46 ng		96
76) Benzydine	12.62	184	22086	Below Cal	#	94
77) Pyrene	12.46	202	212120	6.79 ng		97
80) Benzo(a)anthracene	13.65	228	101712	4.23 ng		99
82) Chrysene	13.69	228	74907	3.11 ng		97
83) Bis(2-ethylhexyl)phthalate	13.66	149	50688	3.03 ng		98
85) Indeno(1,2,3-cd)pyrene	16.22	276	48481	2.32 ng		96
87) Benzo(b)fluoranthene	14.66	252	134276	5.90 ng		99
88) Benzo(k)fluoranthene	14.66	252	134276	6.92 ng		98
89) Benzo(a)pyrene	14.97	252	69963	3.46 ng	#	97
91) Benzo(g,h,i)perylene	16.59	276	47190	2.73 ng		96

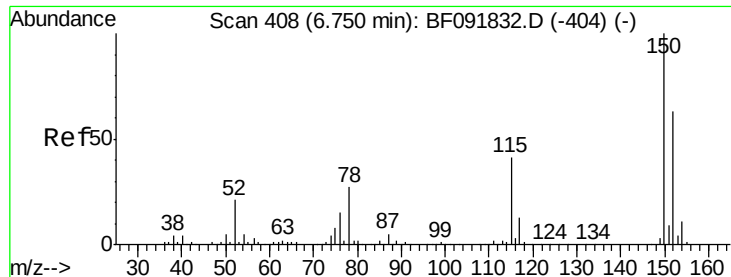
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 428

Delta R.T. 0.04 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

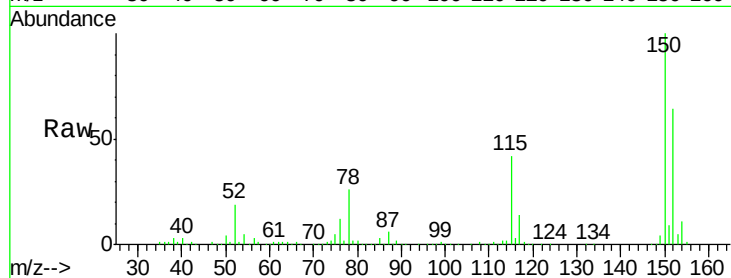
Tgt Ion:152 Resp: 566823

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

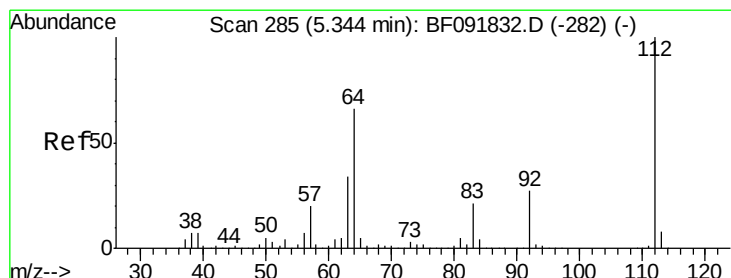
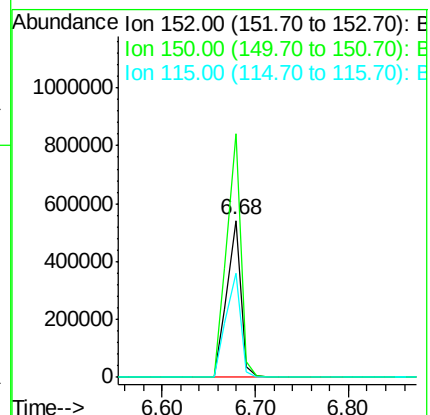
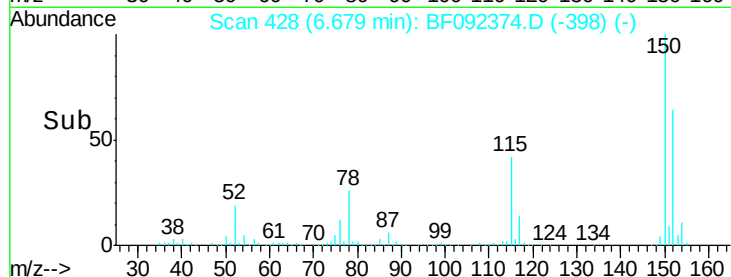
115 66.0 46.0 69.0



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: 37.78 ng

RT: 5.11 min Scan# 291

Delta R.T. -0.12 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

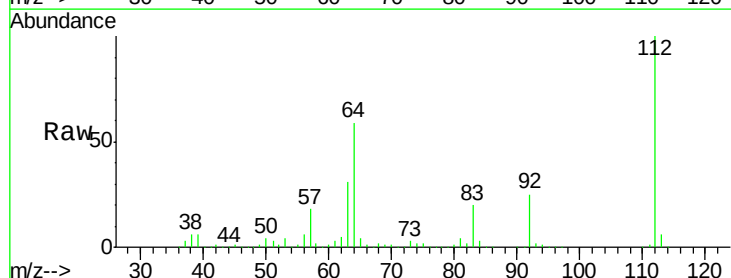
Tgt Ion:112 Resp: 1282470

Ion Ratio Lower Upper

112 100

64 59.3 46.1 69.1

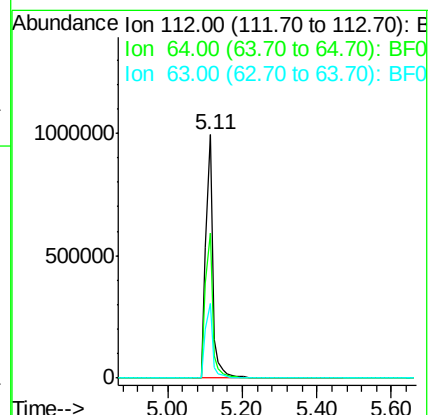
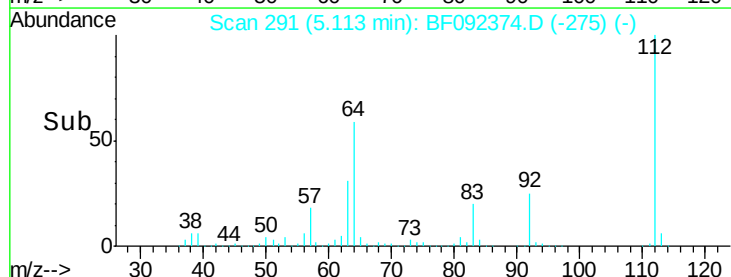
63 30.8 23.8 35.6

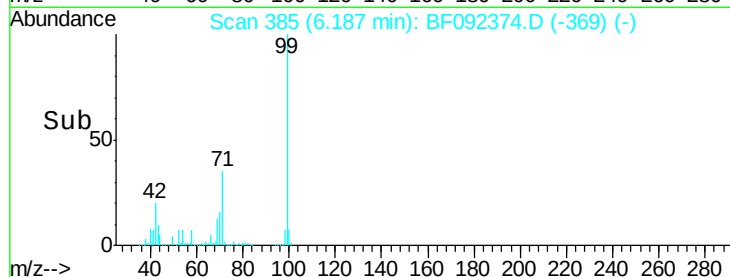
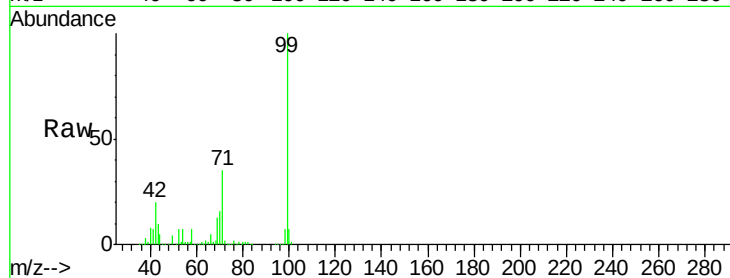
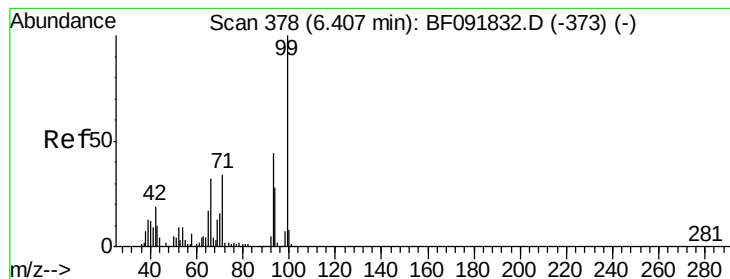


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.53 ng

RT: 6.19 min Scan# 385

Delta R.T. -0.12 min

Lab File: BF092374.D

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Instrument :

BNA_F

ClientSampleId :

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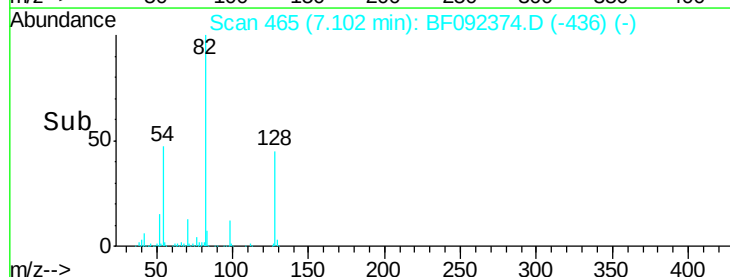
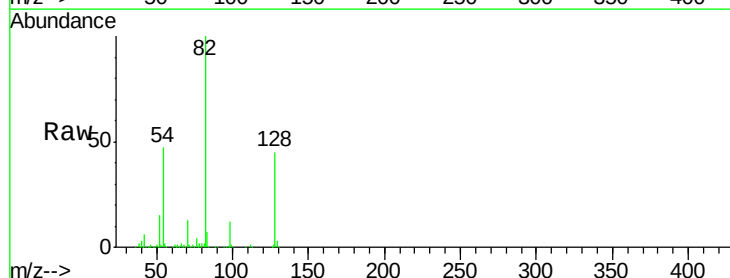
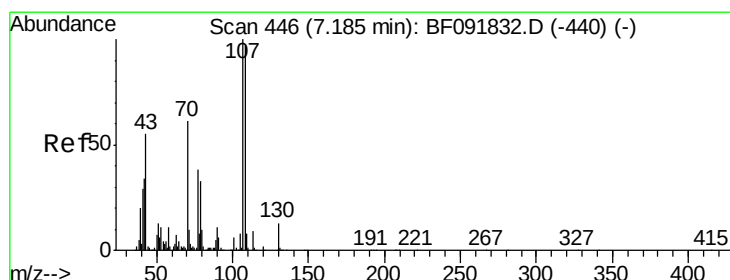
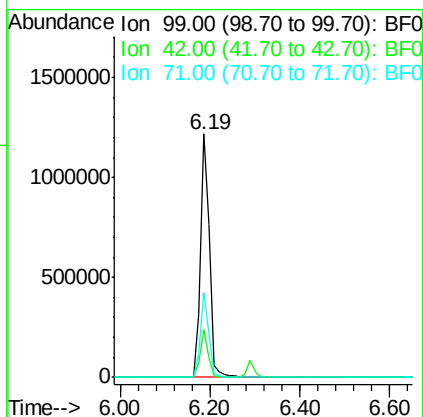
Tgt Ion: 99 Resp: 1679707

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 34.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 5.79 ng

RT: 7.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Tgt Ion: 70 Resp: 159624

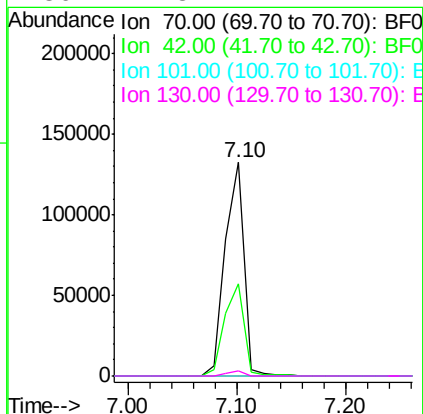
Ion Ratio Lower Upper

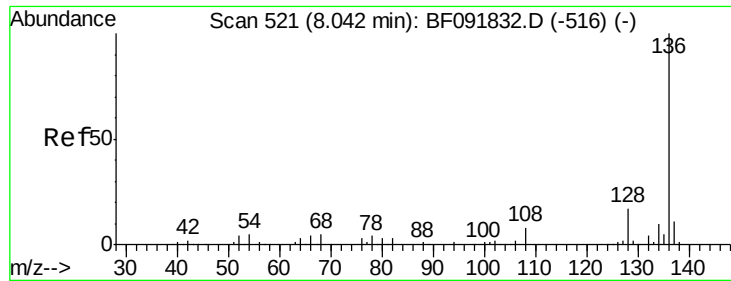
70 100

42 43.1 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

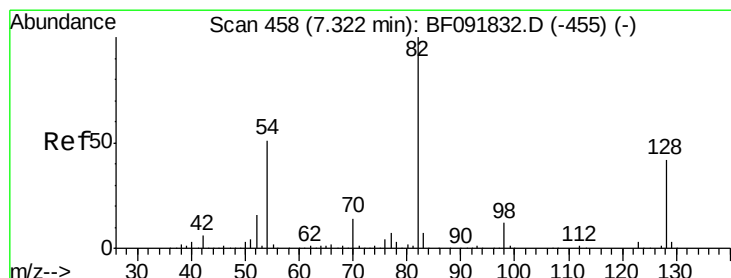
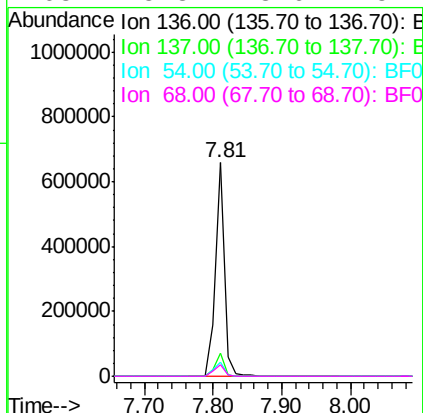
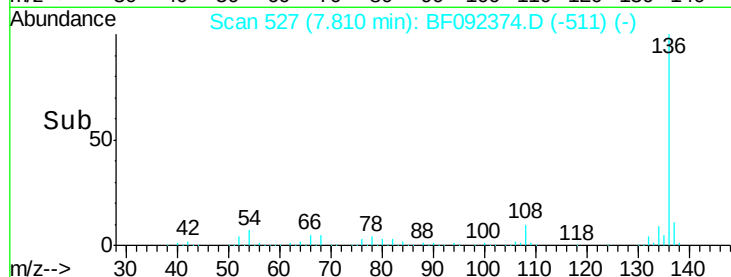
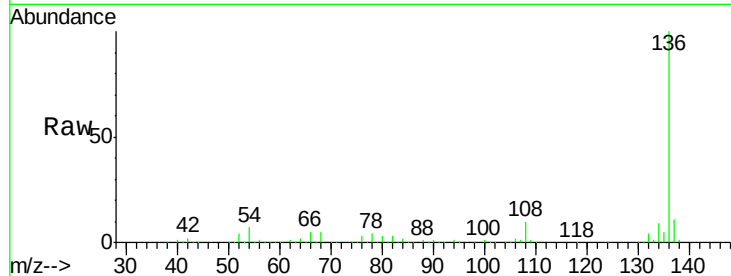




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

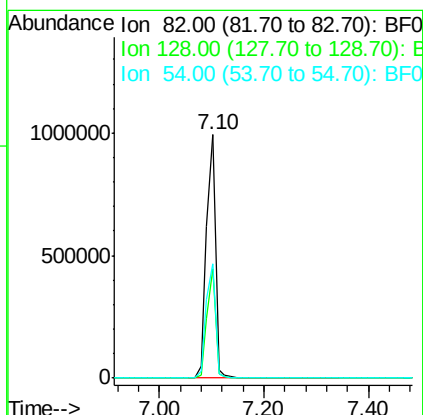
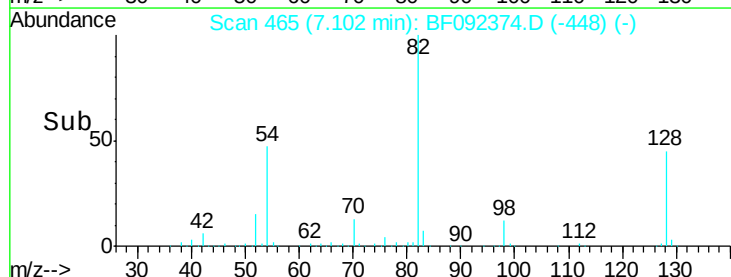
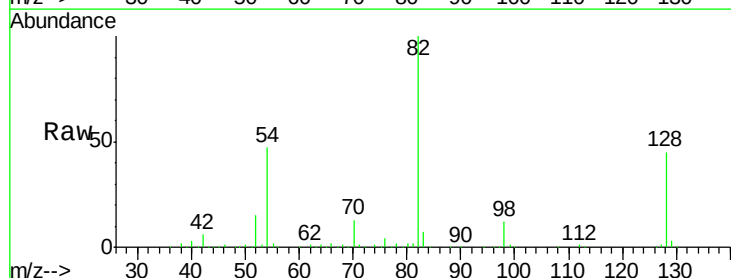
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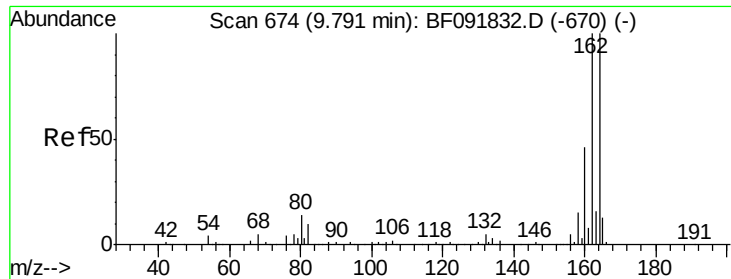
Tgt Ion:	136	Resp:	617228
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.8	4.5	6.7#
68	5.3	3.6	5.4



#23
Nitrobenzene-d5
Concen: 106.79 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.11 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

Tgt Ion:	82	Resp:	1185377
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.6	52.0
54	47.0	39.5	59.3

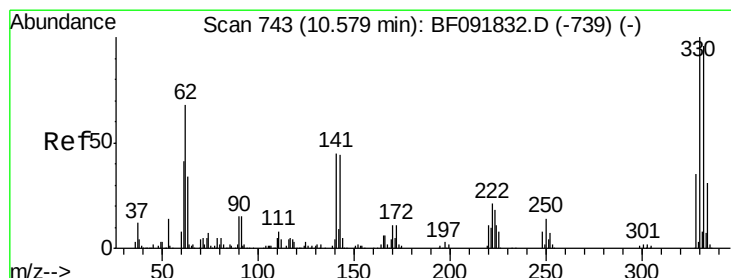
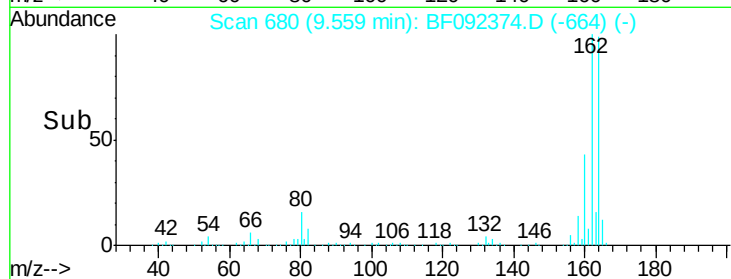
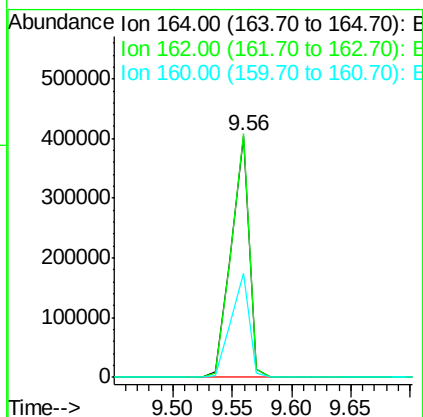
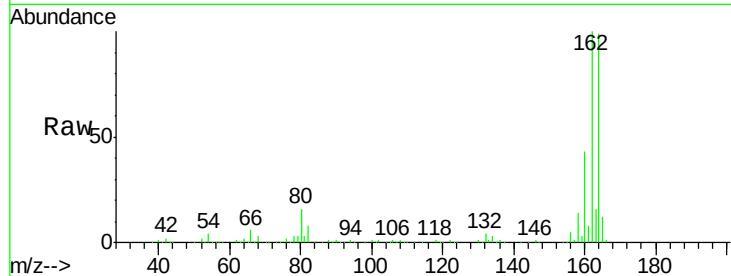




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 680
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

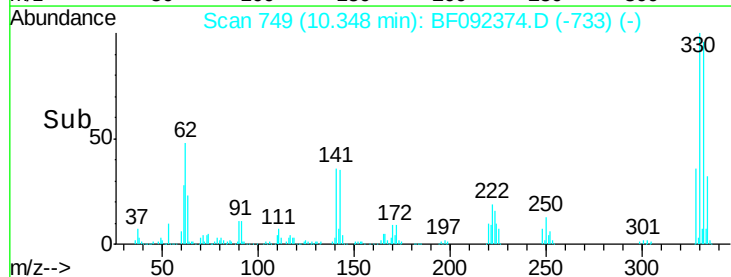
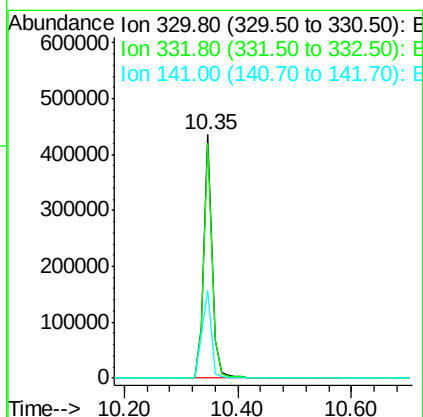
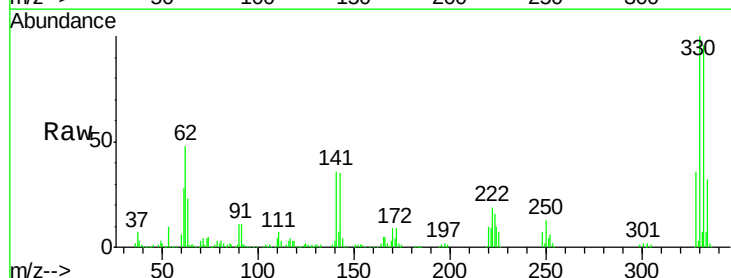
Instrument :
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ClientSampleId :
ROLL-OFF-15939-COMP

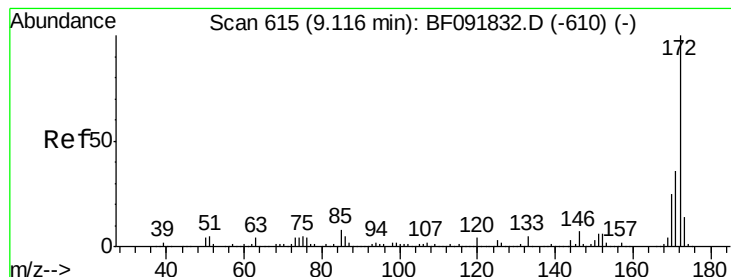
Tgt Ion:164 Resp: 424819
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 43.1 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 121.55 ng
RT: 10.35 min Scan# 749
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

Tgt Ion:330 Resp: 427339
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 40.3 34.1 51.1

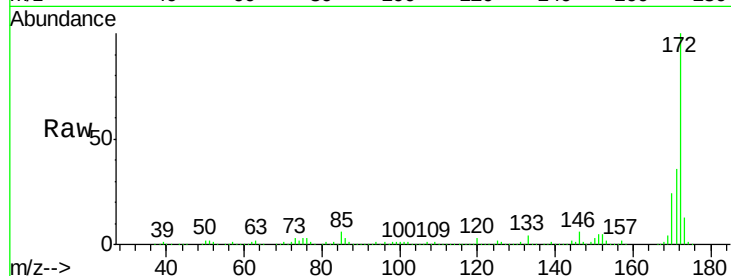




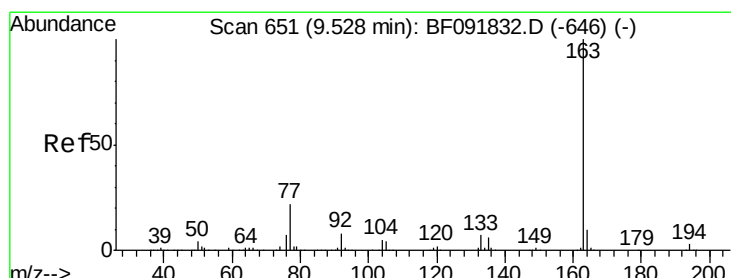
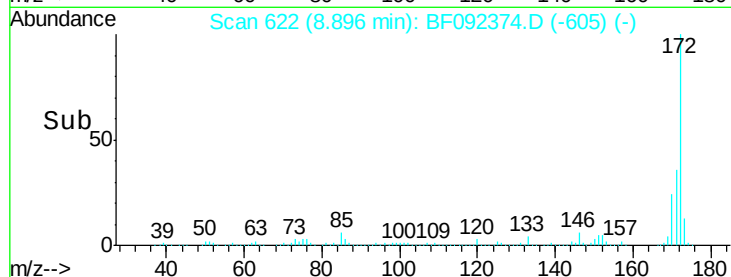
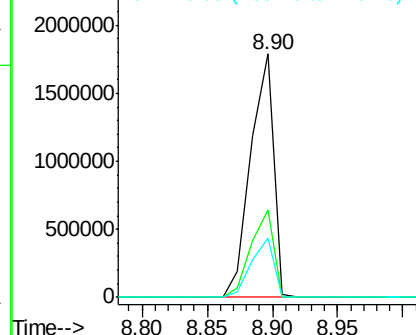
#44
 2-Fluorobiphenyl
 Concen: 109.68 ng
 RT: 8.90 min Scan# 622
 Delta R.T. -0.11 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Tgt Ion:172 Resp: 2196338
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.1 20.2 30.4

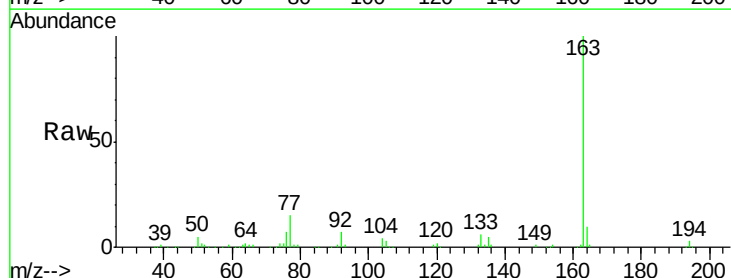


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

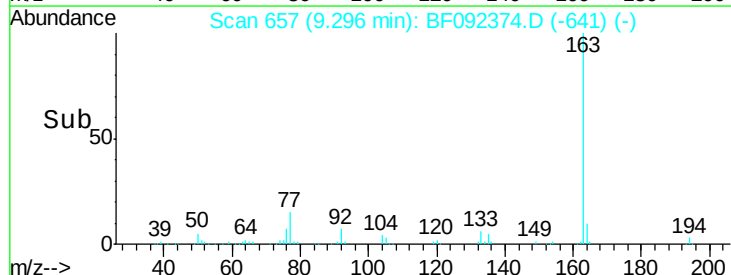
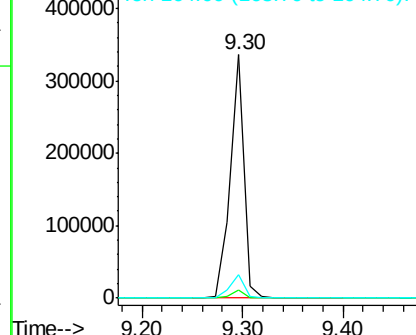


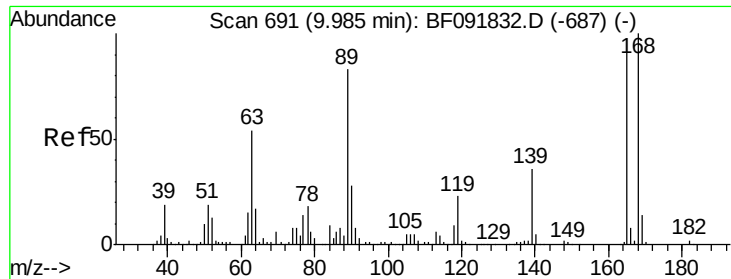
#49
 Dimethylphthalate
 Concen: 11.76 ng
 RT: 9.30 min Scan# 657
 Delta R.T. -0.12 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Tgt Ion:163 Resp: 319502
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 9.6 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

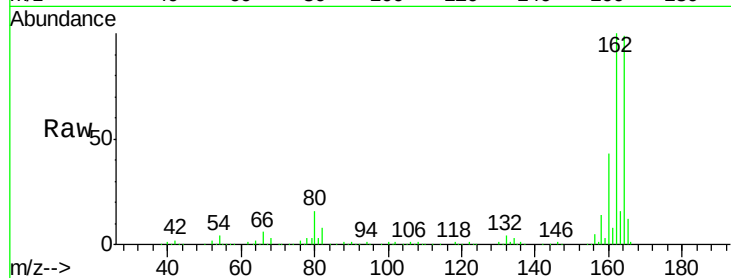




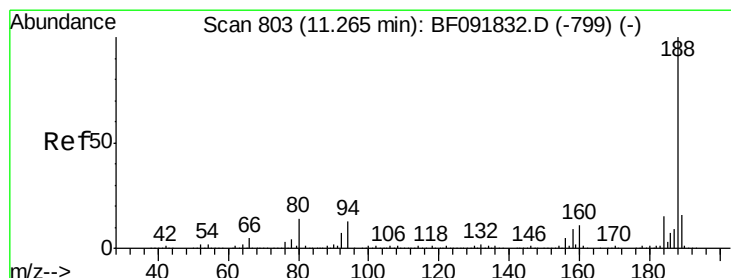
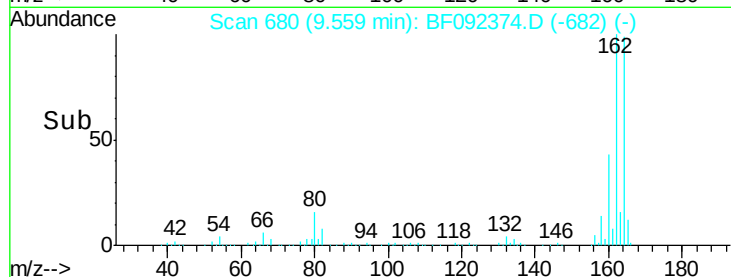
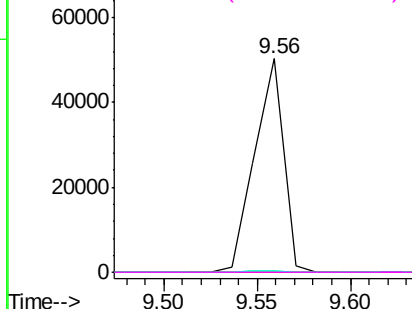
#56
 2,4-Dinitrotoluene
 Concen: 7.25 ng
 RT: 9.56 min Scan# 680
 Delta R.T. -0.33 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Instrument :
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Tgt Ion:	165	Resp:	54085
Ion Ratio	Lower	Upper	
165	100		
63	0.9	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#

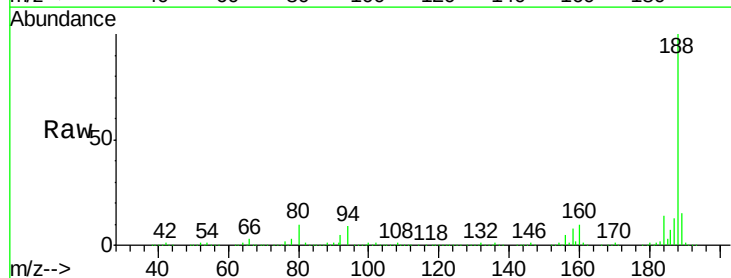


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

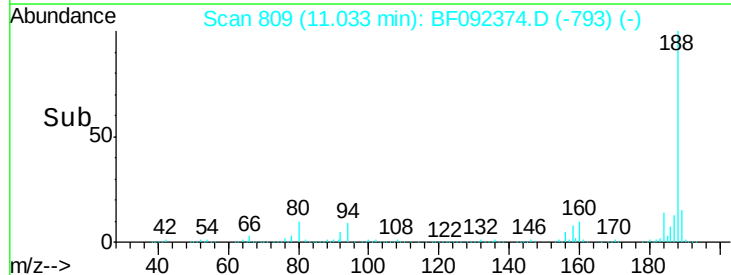
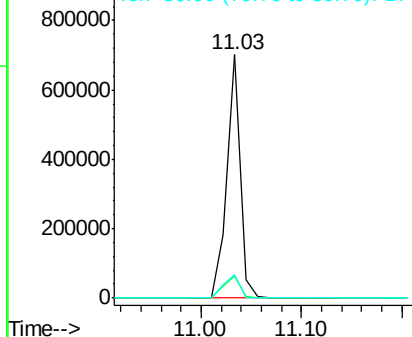


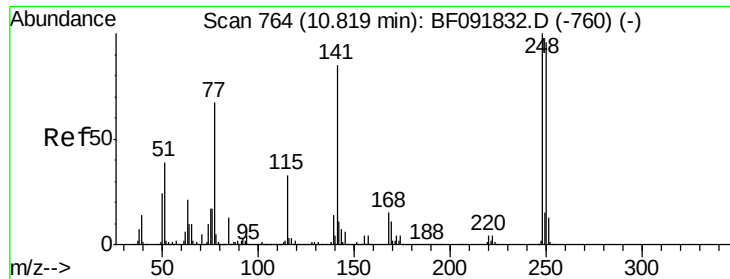
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 809
 Delta R.T. -0.12 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Tgt Ion:	188	Resp:	649461
Ion Ratio	Lower	Upper	
188	100		
94	8.8	10.0	15.0#
80	9.5	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

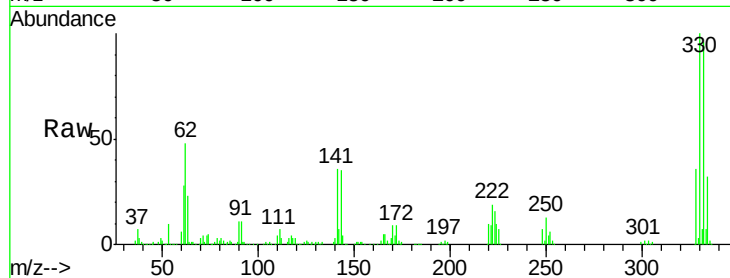




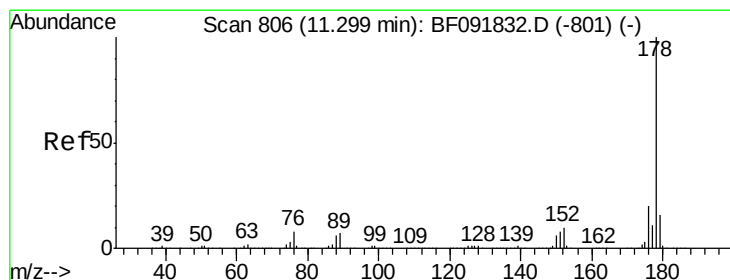
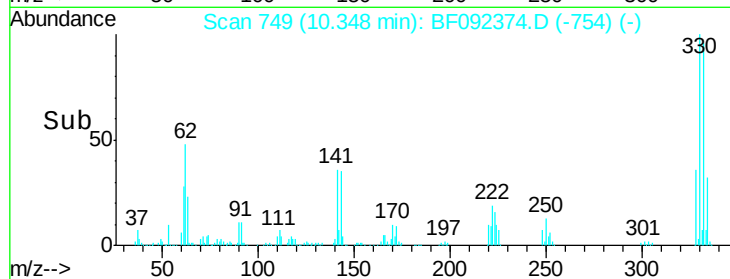
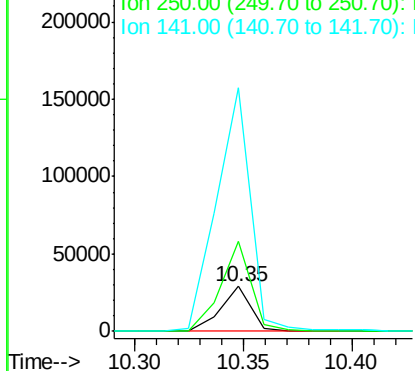
#66
 4-Bromophenyl-phenylether
 Concen: 4.17 ng
 RT: 10.35 min Scan# 749
 Delta R.T. -0.36 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Instrument :
 BNA_F
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 ROLL-OFF-15939-COMP

Tgt Ion:248 Resp: 28187
 Ion Ratio Lower Upper
 248 100
 250 202.6 76.9 115.3#
 141 544.6 68.2 102.4#

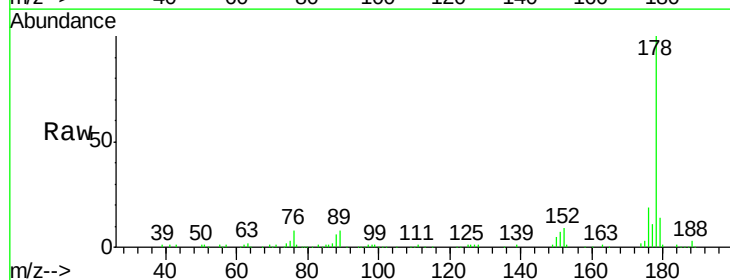


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

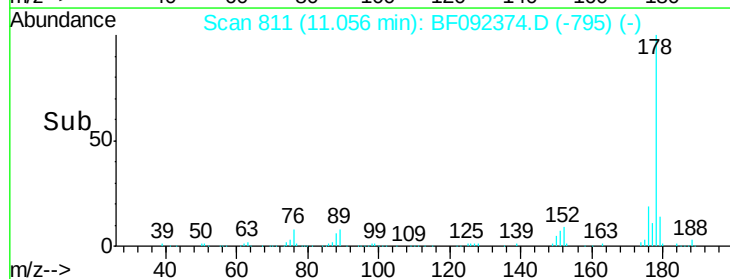
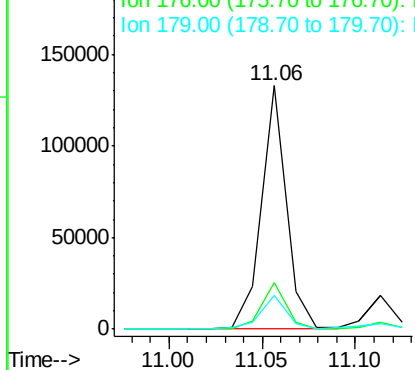


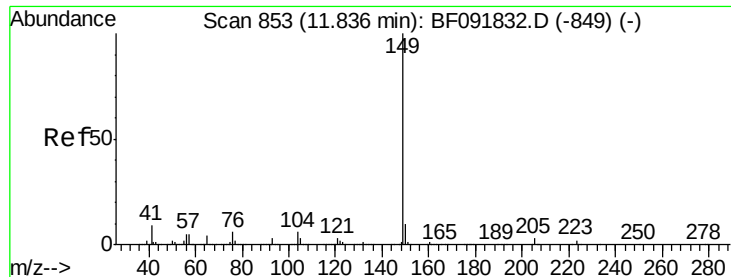
#70
 Phenanthrene
 Concen: 3.50 ng
 RT: 11.06 min Scan# 811
 Delta R.T. -0.12 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Tgt Ion:178 Resp: 123235
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.6 25.0
 179 14.1 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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.62 min Scan# 860

Delta R.T. -0.11 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

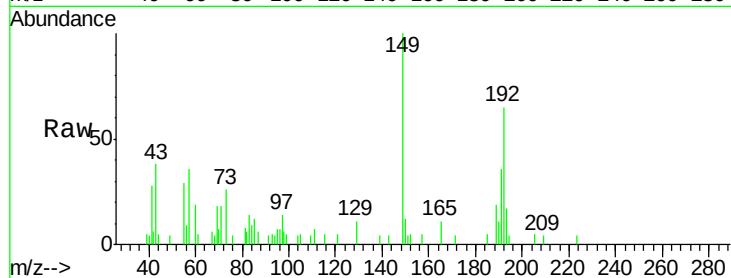
Tgt Ion:149 Resp: 9627

Ion Ratio Lower Upper

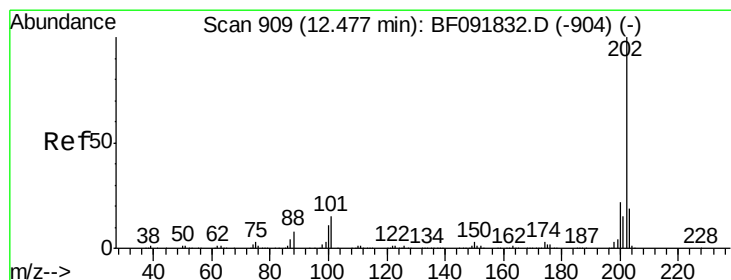
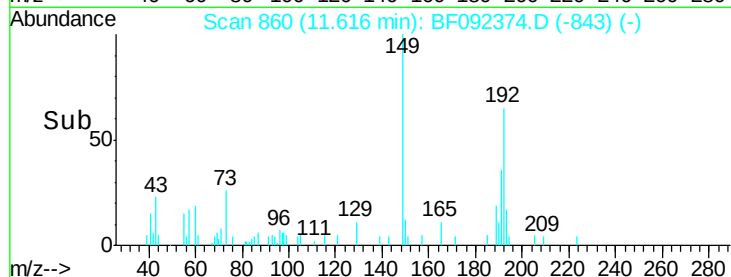
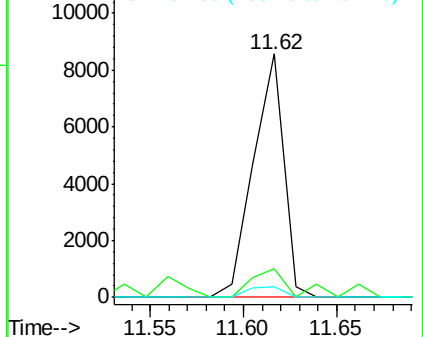
149 100

150 11.9 8.1 12.1

104 4.4 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: 3.46 ng

RT: 12.23 min Scan# 914

Delta R.T. -0.13 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

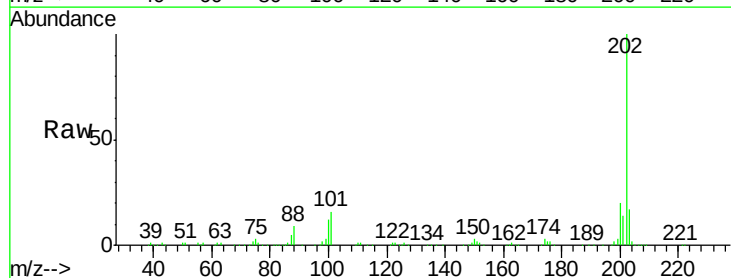
Tgt Ion:202 Resp: 216085

Ion Ratio Lower Upper

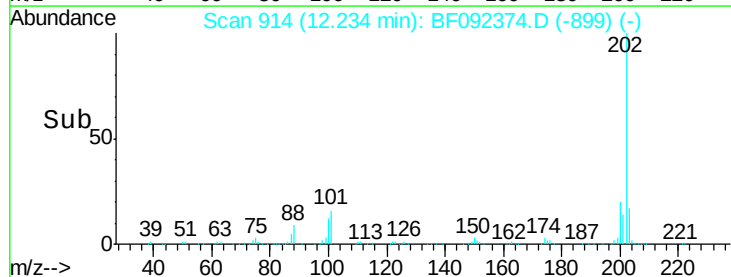
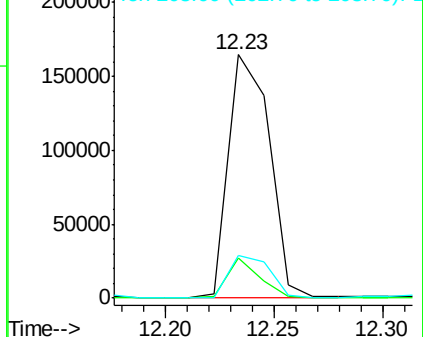
202 100

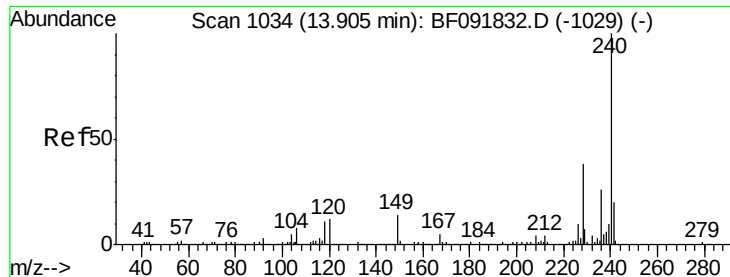
101 16.4 0.0 34.6

203 17.4 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: 13.66 min Scan# 1039

Delta R.T. -0.12 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

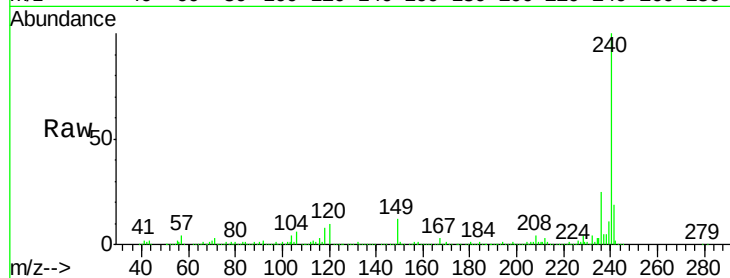
Tgt Ion:240 Resp: 425878

Ion Ratio Lower Upper

240 100

120 9.6 12.9 19.3#

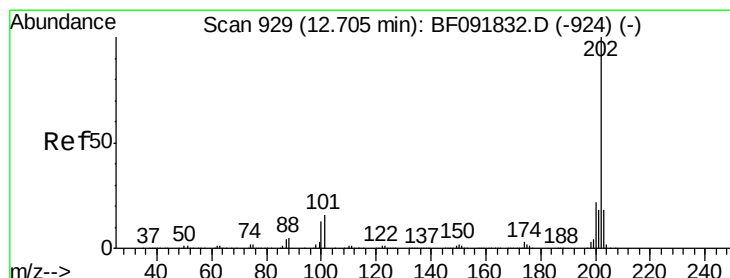
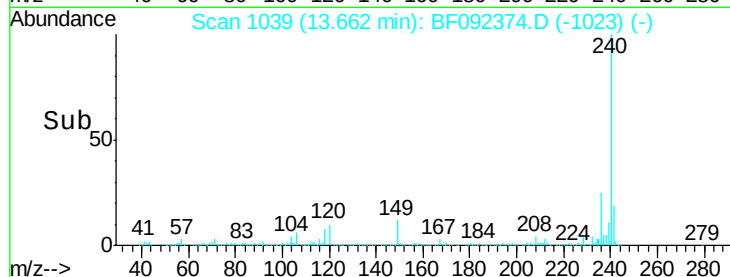
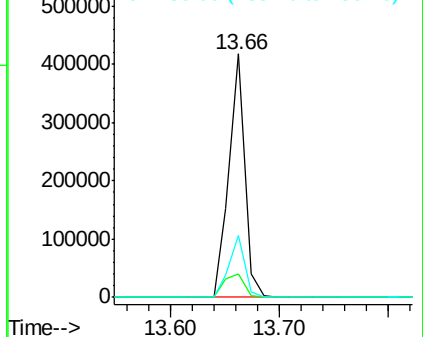
236 25.3 20.9 31.3



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



#77

Pyrene

Concen: 6.79 ng

RT: 12.46 min Scan# 934

Delta R.T. -0.12 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

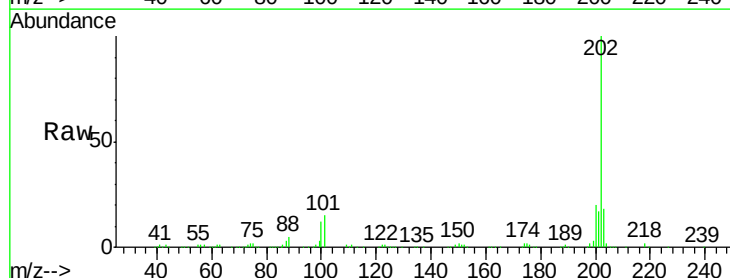
Tgt Ion:202 Resp: 212120

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

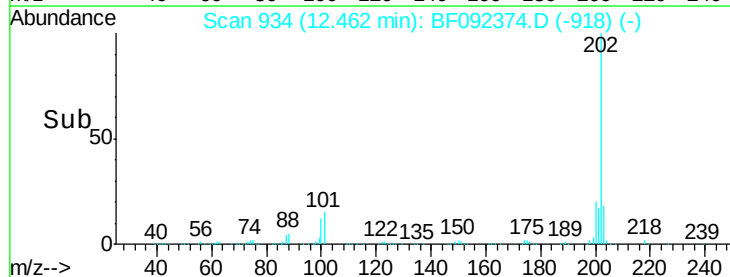
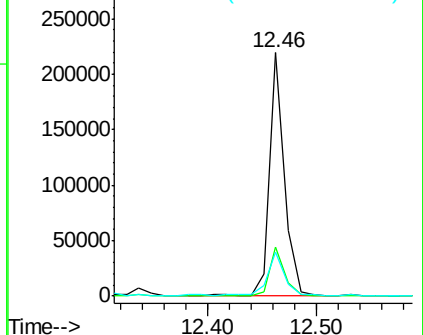
203 18.3 14.7 22.1

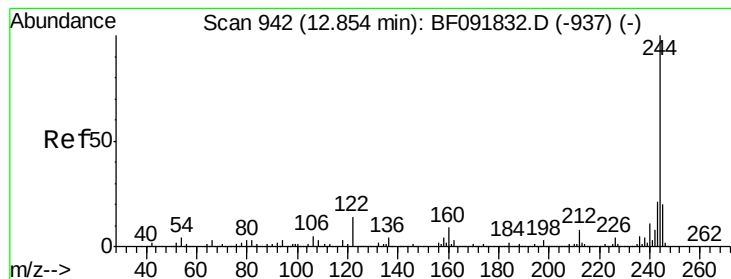


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.84 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.12 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

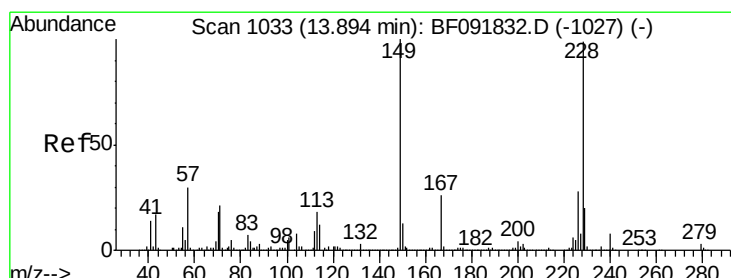
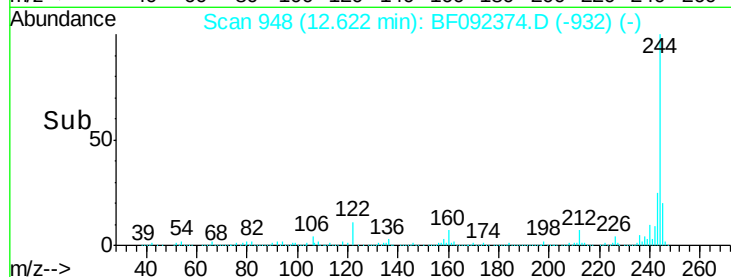
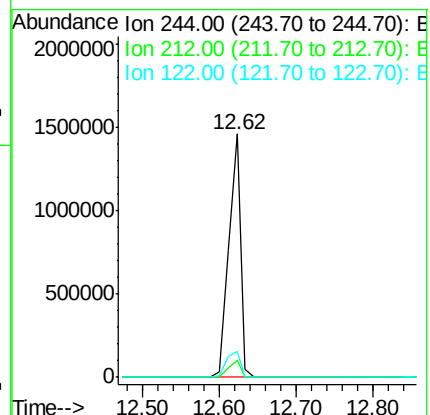
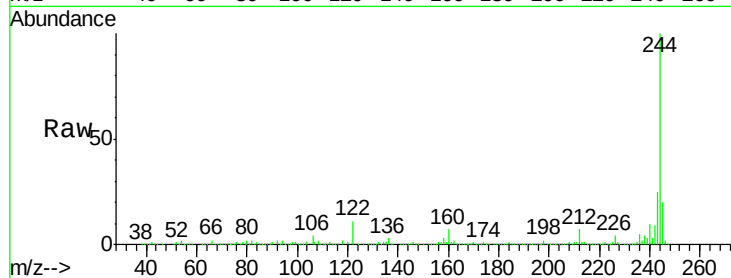
Tgt Ion:244 Resp: 1595082

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

122 10.7 11.4 17.2#



#80

Benzo(a)anthracene

Concen: 4.23 ng

RT: 13.65 min Scan# 1038

Delta R.T. -0.12 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

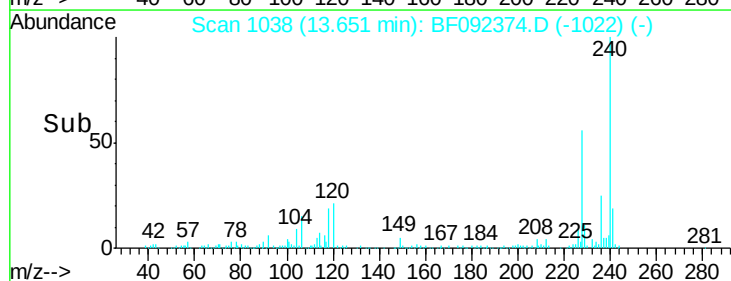
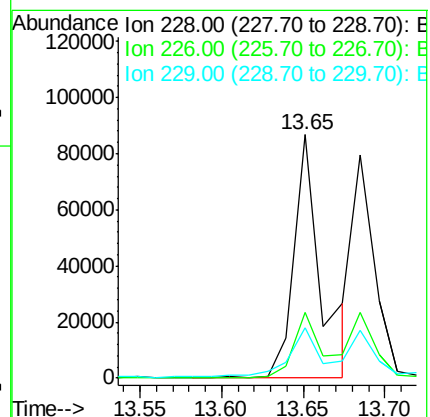
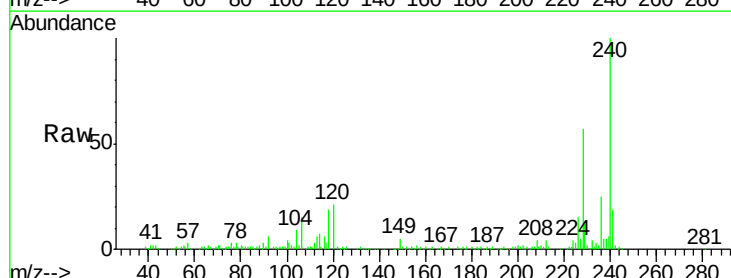
Tgt Ion:228 Resp: 101712

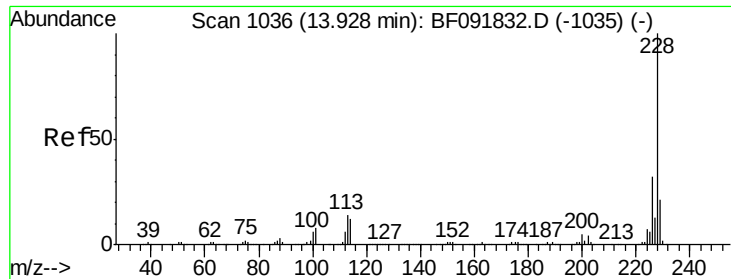
Ion Ratio Lower Upper

228 100

226 27.2 22.4 33.6

229 20.6 16.2 24.4

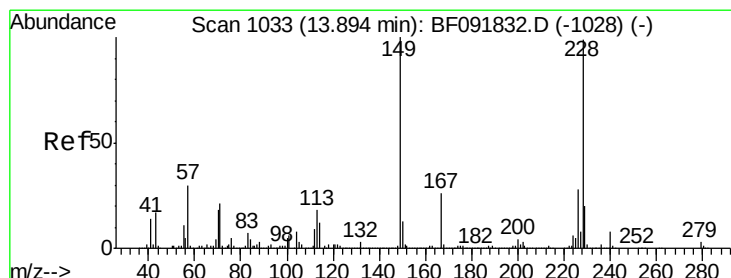
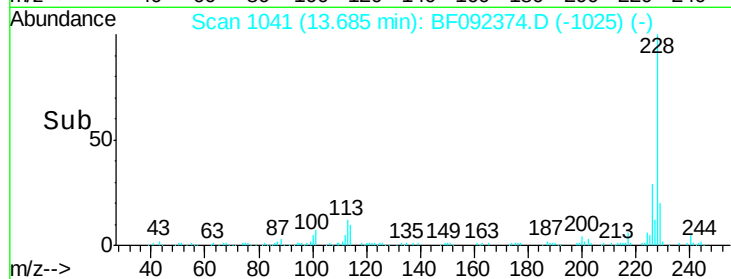
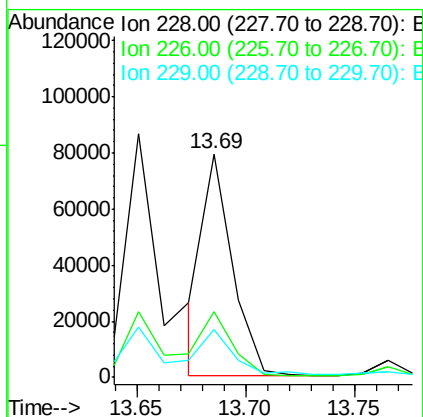
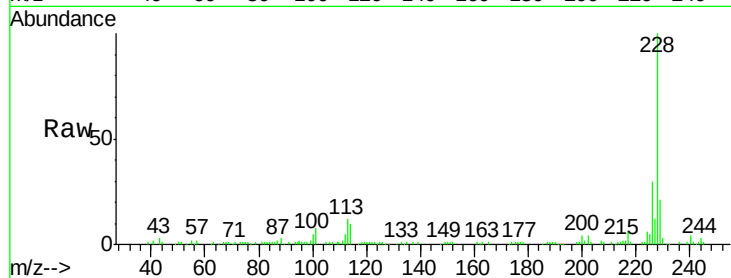




#82
Chrysene
Concen: 3.11 ng
RT: 13.69 min Scan# 1041
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

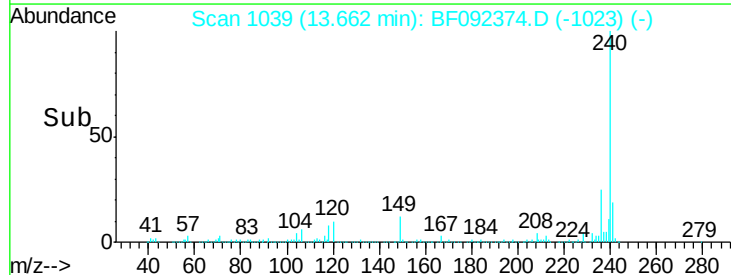
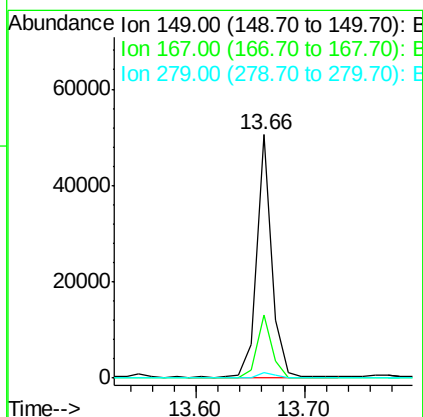
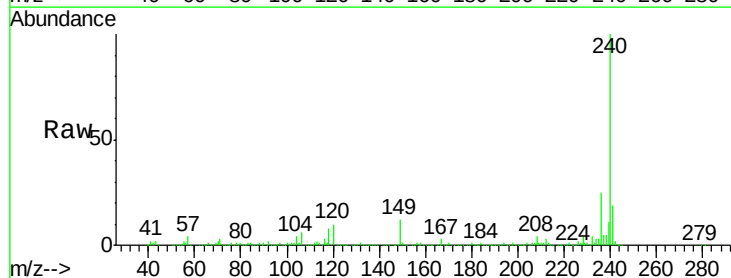
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

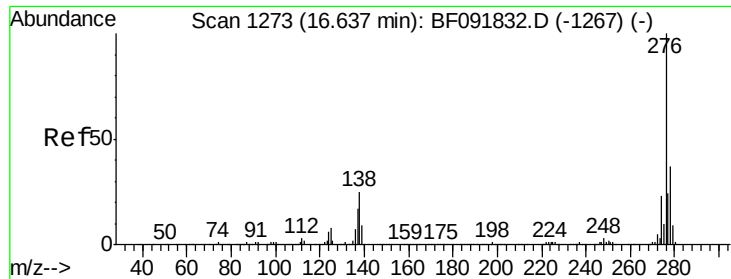
Tgt Ion: 228 Resp: 74907
Ion Ratio Lower Upper
228 100
226 29.6 25.4 38.0
229 21.2 16.2 24.2



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.03 ng
RT: 13.66 min Scan# 1039
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

Tgt Ion: 149 Resp: 50688
Ion Ratio Lower Upper
149 100
167 26.1 20.2 30.4
279 2.4 1.8 2.8

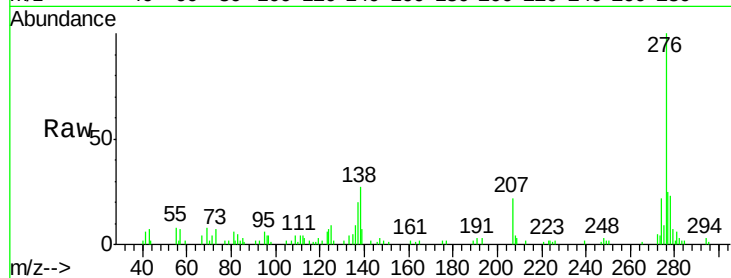




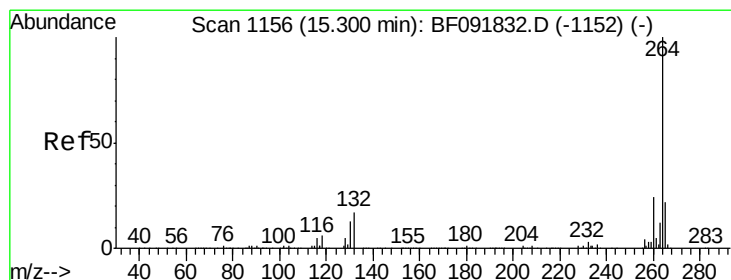
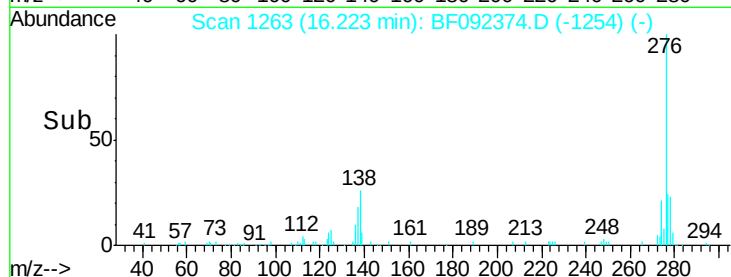
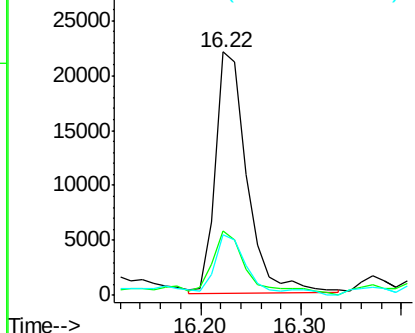
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.32 ng
 RT: 16.22 min Scan# 1263
 Delta R.T. -0.20 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15939-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	21.8	32.6
277	26.2	20.2	30.4

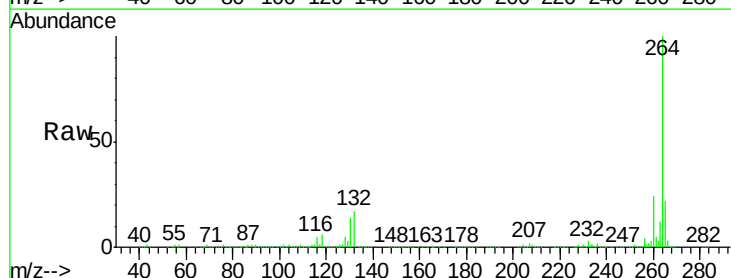


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

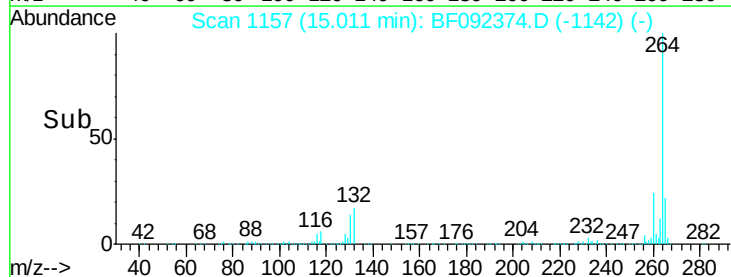
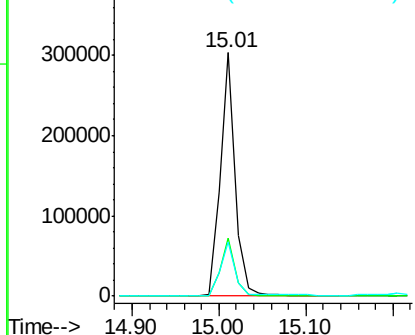


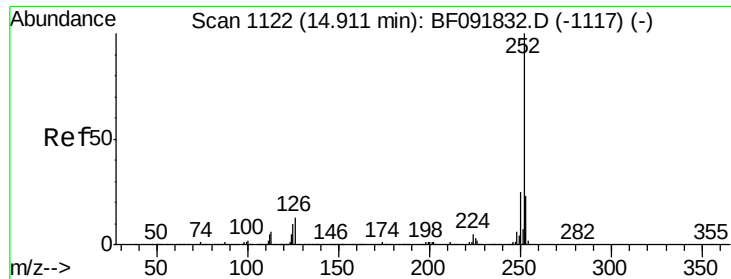
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1157
 Delta R.T. -0.13 min
 Lab File: BF092374.D
 Acq: 20 Jan 2017 15:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.2	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

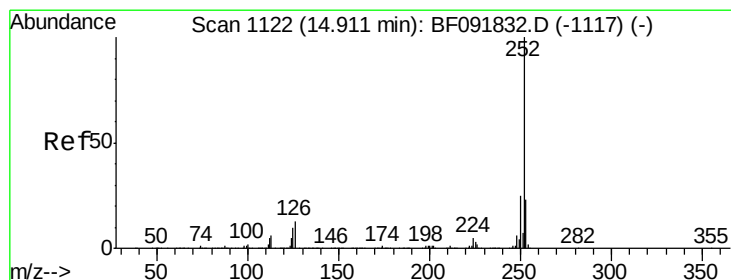
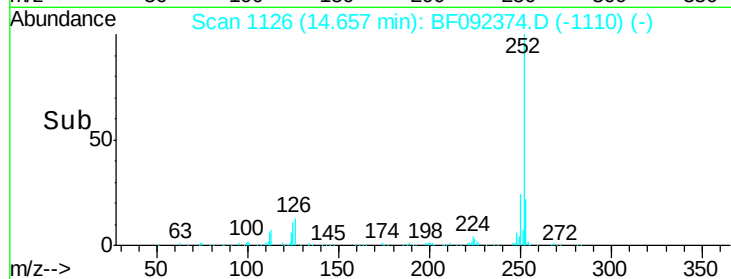
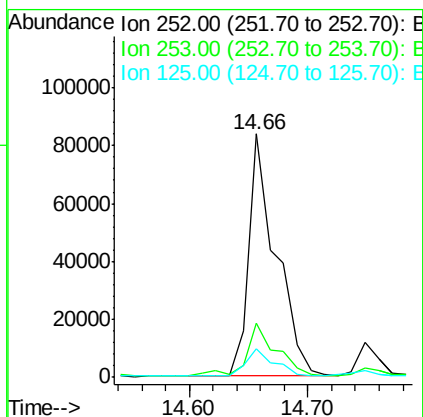
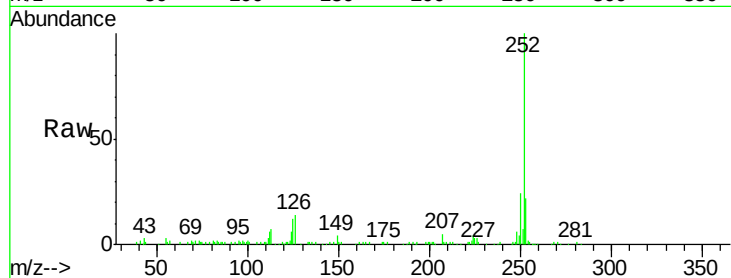




#87
Benzo(b)fluoranthene
Concen: 5.90 ng
RT: 14.66 min Scan# 1126
Delta R.T. -0.12 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

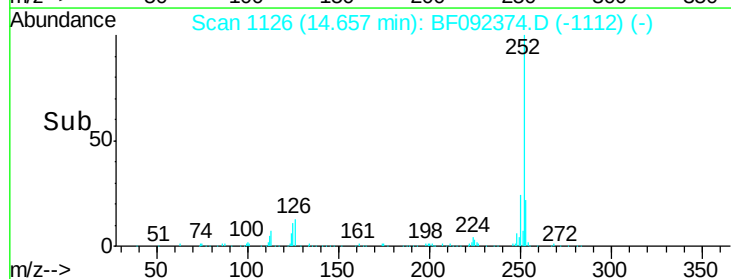
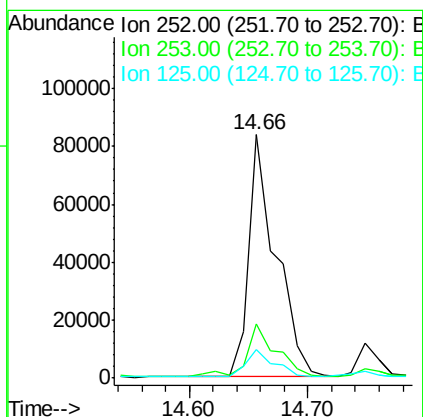
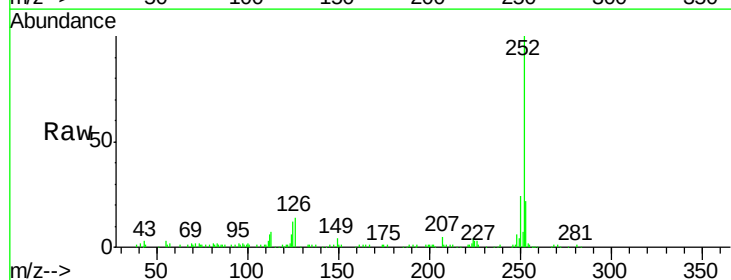
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15939-COMP

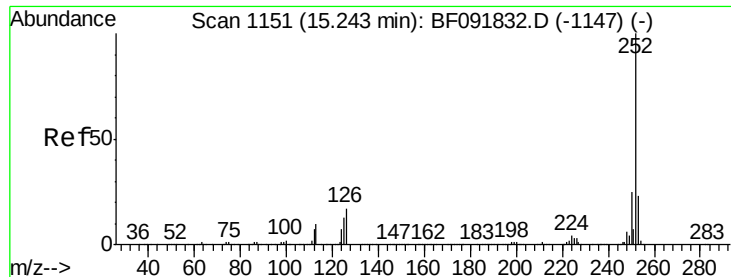
Tgt Ion: 252 Resp: 134276
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 11.7 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 6.92 ng
RT: 14.66 min Scan# 1126
Delta R.T. -0.15 min
Lab File: BF092374.D
Acq: 20 Jan 2017 15:50

Tgt Ion: 252 Resp: 134276
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 11.7 8.9 13.3





#89

Benzo(a)pyrene

Concen: 3.46 ng

RT: 14.97 min Scan# 1153

Delta R.T. -0.13 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-15939-COMP

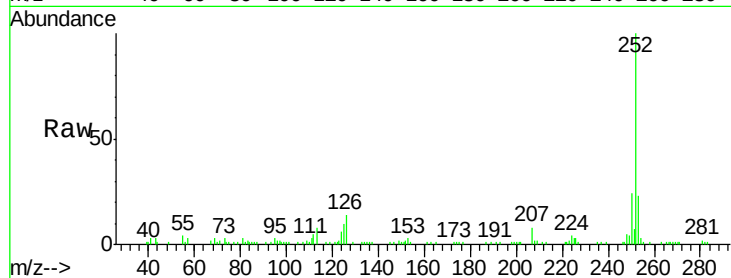
Tgt Ion:252 Resp: 69963

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

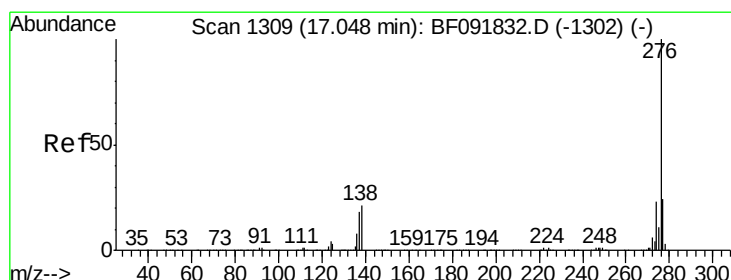
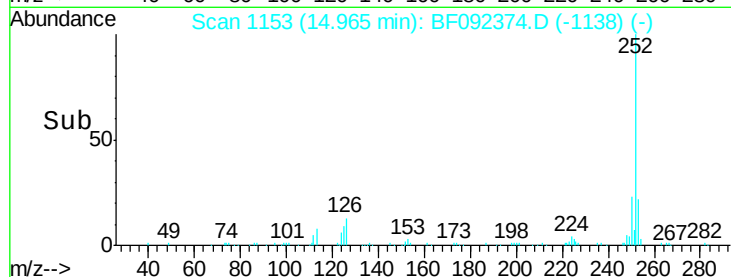
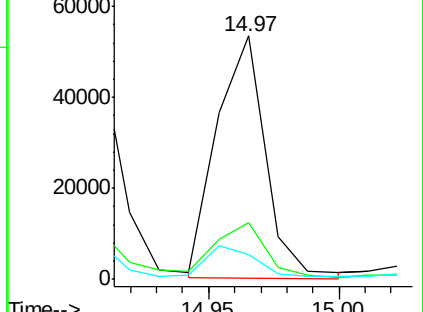
125 9.9 10.0 15.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.73 ng

RT: 16.59 min Scan# 1295

Delta R.T. -0.21 min

Lab File: BF092374.D

Acq: 20 Jan 2017 15:50

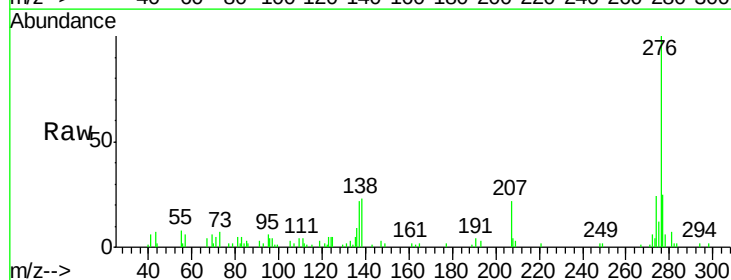
Tgt Ion:276 Resp: 47190

Ion Ratio Lower Upper

276 100

277 24.9 19.2 28.8

138 23.4 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

