

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082327.D
 Acq On : 16 Oct 2015 15:54
 Operator : UM/IZ
 Sample : G4051-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

Quant Time: Oct 17 01:12:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

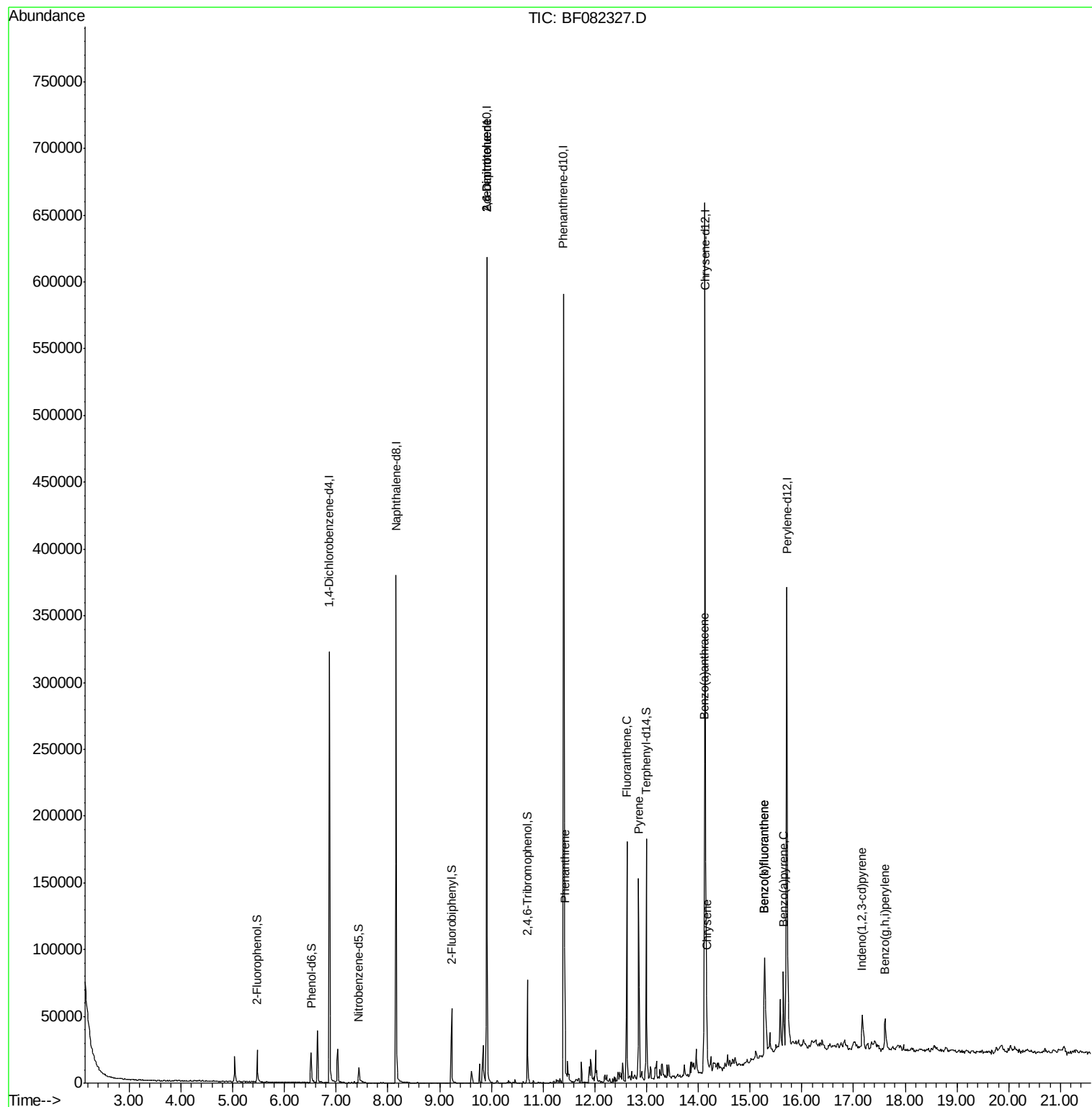
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	52924	20.00	ng	0.03
21) Naphthalene-d8	8.16	136	216342	20.00	ng	0.03
38) Acenaphthene-d10	9.91	164	122433	20.00	ng	0.02
63) Phenanthrene-d10	11.39	188	256805	20.00	ng	0.02
75) Chrysene-d12	14.13	240	257847	20.00	ng	0.06
86) Perylene-d12	15.72	264	222116	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	9549	3.64	ng	0.05
7) Phenol-d6	6.51	99	14552	4.26	ng	0.03
23) Nitrobenzene-d5	7.44	82	7811	2.42	ng	0.02
41) 2,4,6-Tribromophenol	10.70	330	10389	9.05	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	28762	3.90	ng	0.02
78) Terphenyl-d14	12.99	244	63302	6.51	ng	0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.91	165	15524	8.53	ng	# 30
56) 2,4-Dinitrotoluene	9.91	165	15524	6.83	ng	# 21
70) Phenanthrene	11.42	178	38755	3.08	ng	98
74) Fluoranthene	12.62	202	82035	6.07	ng	98
77) Pyrene	12.85	202	77759	5.08	ng	98
80) Benzo(a)anthracene	14.12	228	41630	3.10	ng	96
82) Chrysene	14.16	228	33874	2.40	ng	96
85) Indeno(1,2,3-cd)pyrene	17.17	276	23988	2.13	ng	92
87) Benzo(b)fluoranthene	15.28	252	59263	4.39	ng	98
88) Benzo(k)fluoranthene	15.28	252	59263	5.22	ng	# 95
89) Benzo(a)pyrene	15.65	252	30888	2.66	ng	96
91) Benzo(a,h,i)perylene	17.61	276	24361	2.63	ng	95

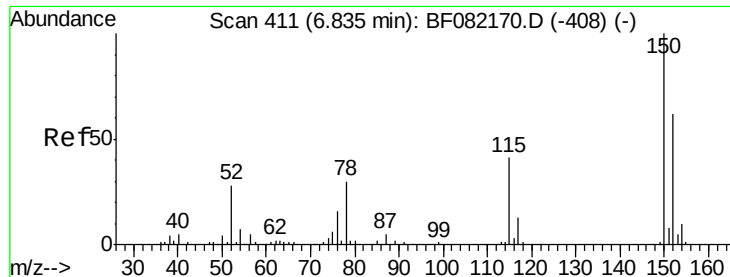
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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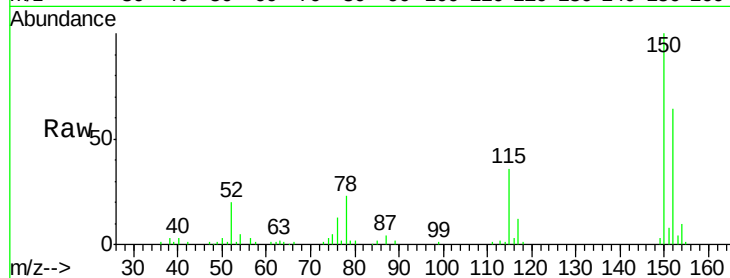


#1

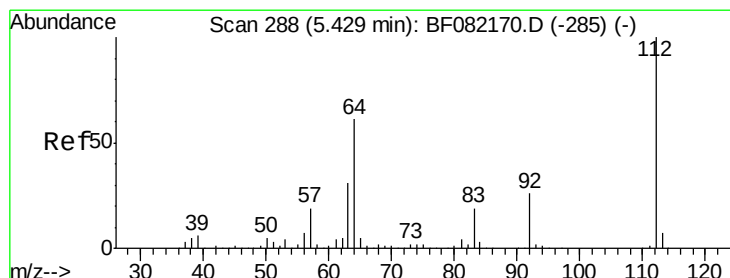
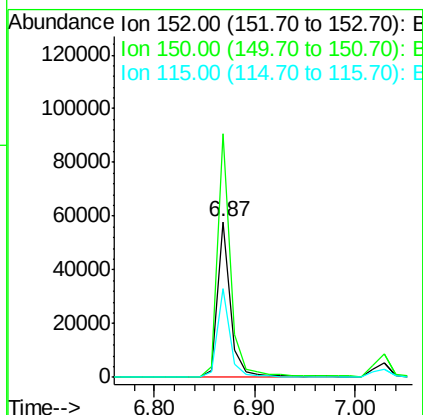
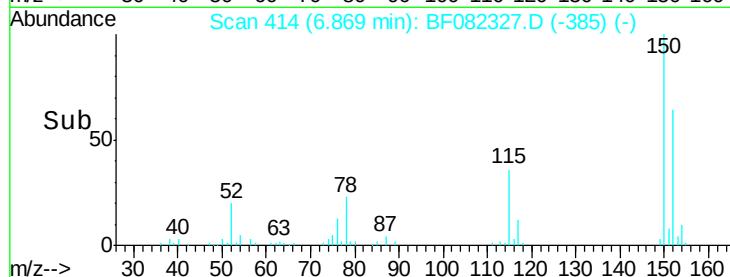
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 414
Delta R.T. 0.03 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

Tot Ion:152 Resp: 52924
Ion Ratio Lower Upper
152 100
150 156.5 129.0 193.4
115 56.9 52.1 78.1



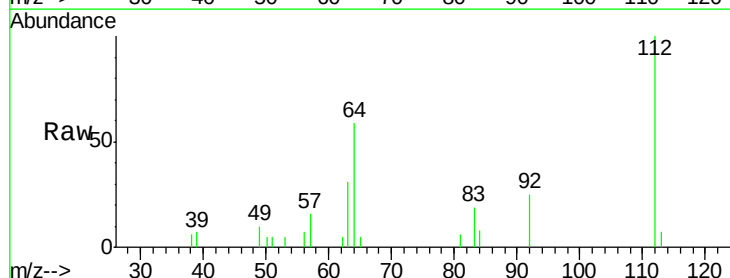
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



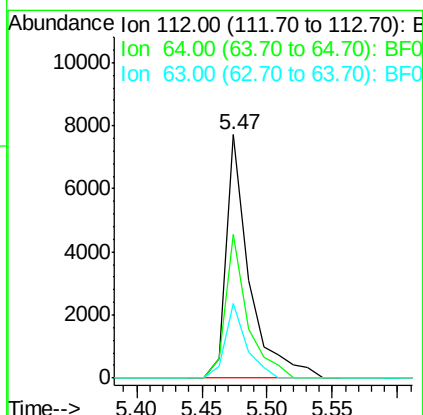
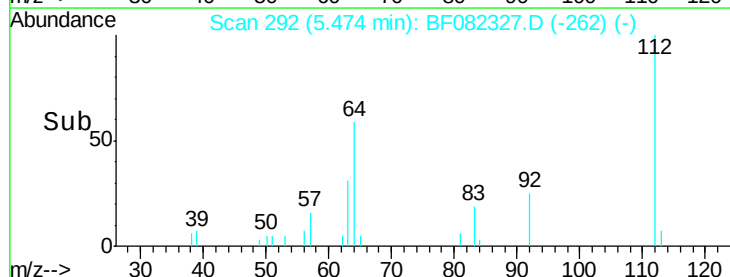
#5

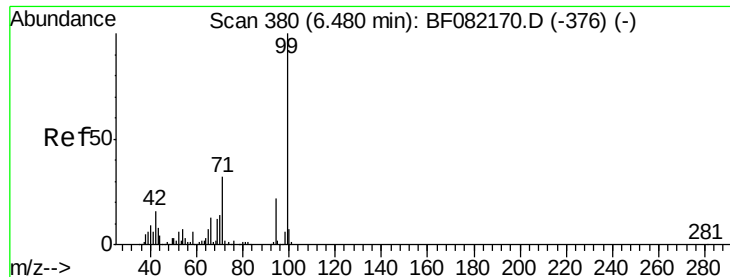
2-Fluorophenol
Concen: 3.64 ng
RT: 5.47 min Scan# 292
Delta R.T. 0.05 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion:112 Resp: 9549
Ion Ratio Lower Upper
112 100
64 58.9 48.6 73.0
63 30.5 25.1 37.7



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: 4.26 ng

RT: 6.51 min Scan# 383

Delta R.T. 0.03 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015

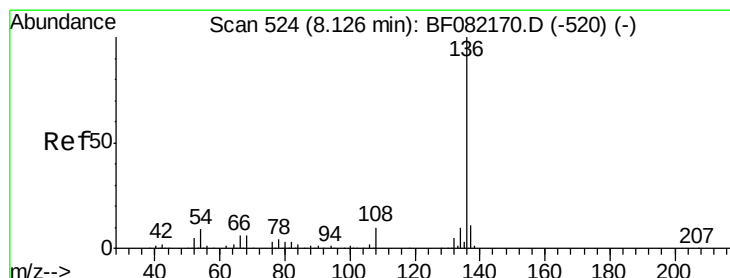
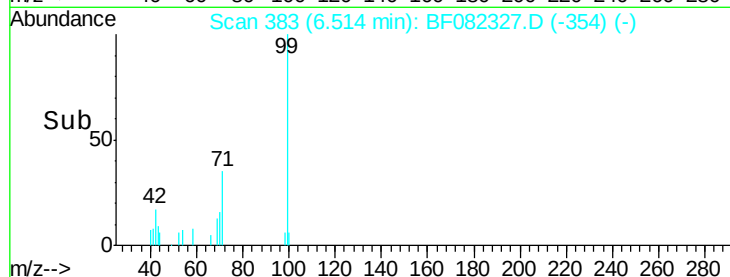
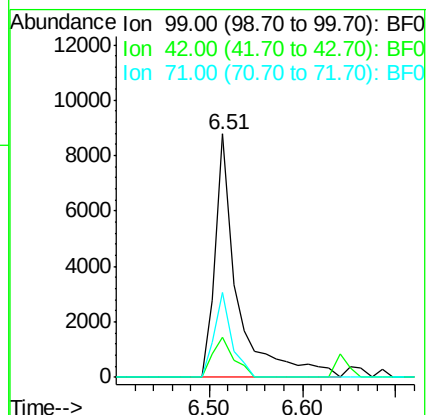
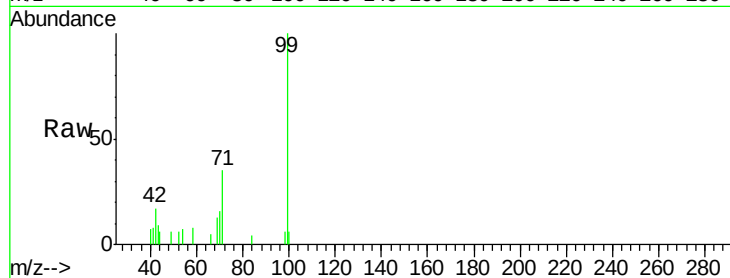
Tot Ion: 99 Resp: 14552

Ion Ratio Lower Upper

99 100

42 16.7 13.2 19.8

71 34.7 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 527

Delta R.T. 0.03 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

Tgt Ion: 136 Resp: 216342

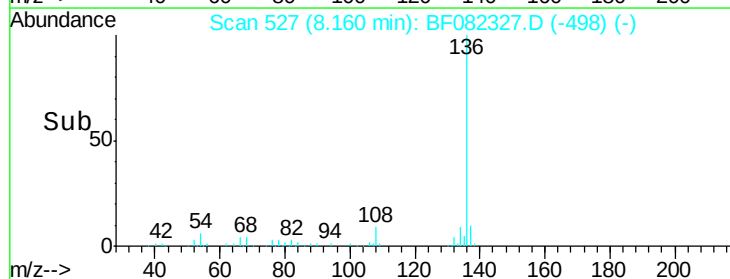
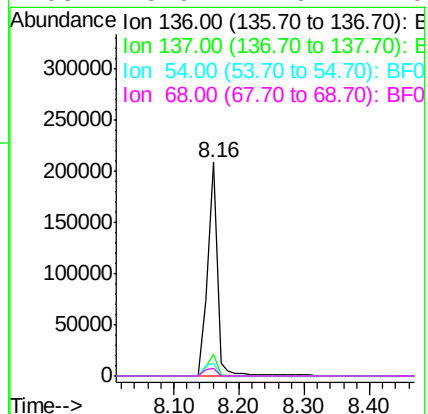
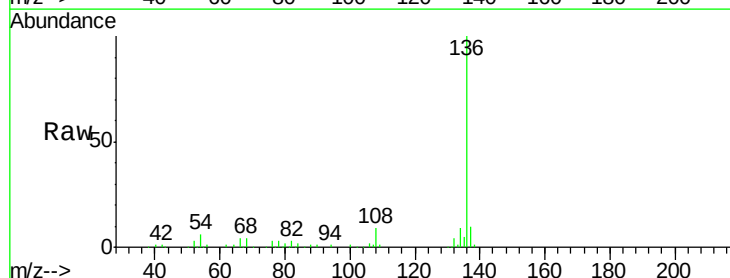
Ion Ratio Lower Upper

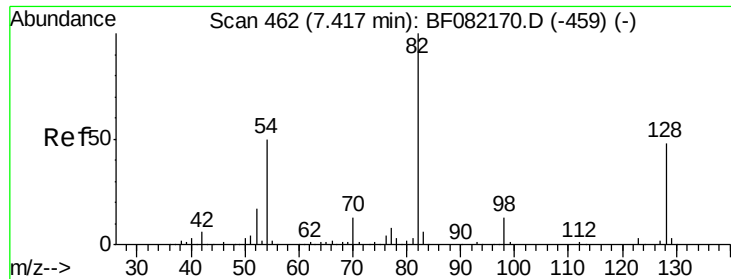
136 100

137 10.3 9.0 13.6

54 5.8 7.5 11.3#

68 3.9 4.6 7.0#

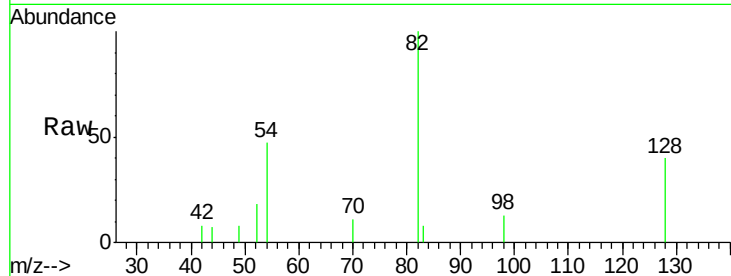




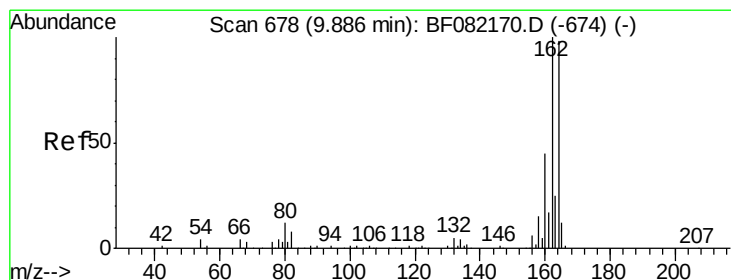
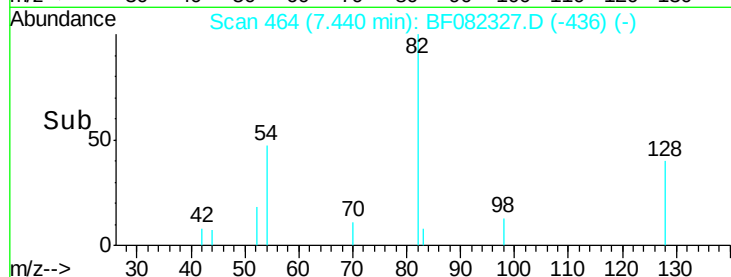
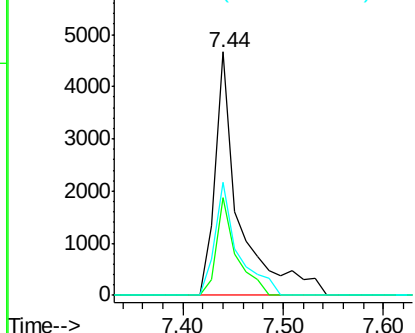
#23
 Nitrobenzene-d5
 Concen: 2.42 ng
 RT: 7.44 min Scan# 464
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

Tot Ion: 82 Resp: 7811
 Ion Ratio Lower Upper
 82 100
 128 40.2 38.7 58.1
 54 46.6 40.1 60.1

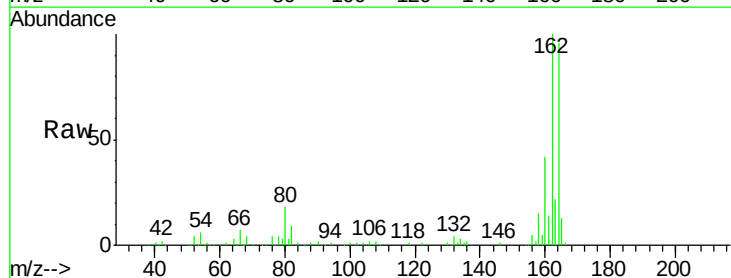


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

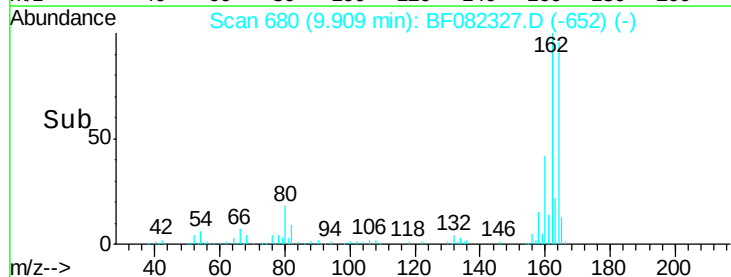
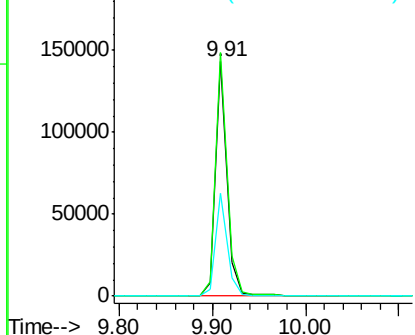


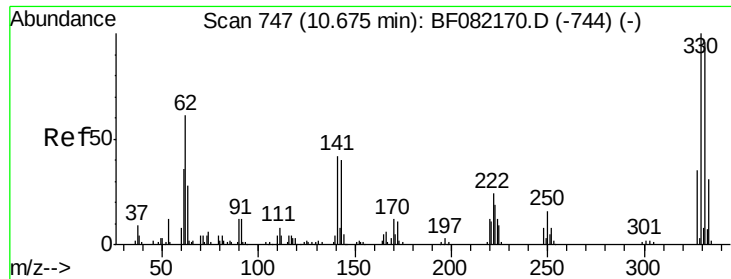
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Tgt Ion: 164 Resp: 122433
 Ion Ratio Lower Upper
 164 100
 162 103.8 81.6 122.4
 160 44.1 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

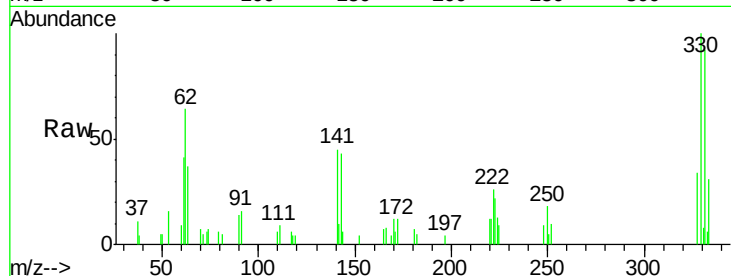




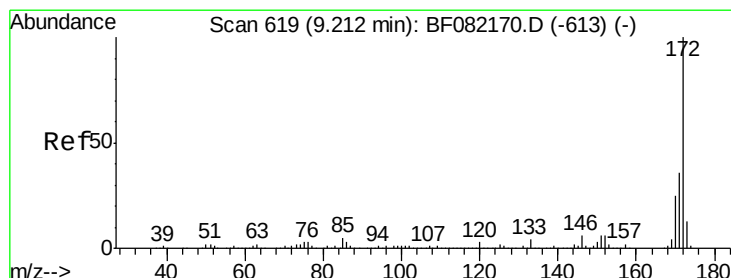
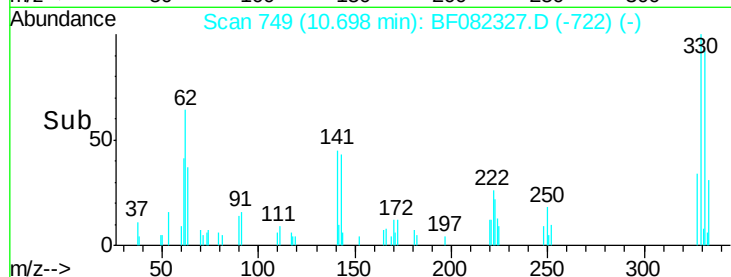
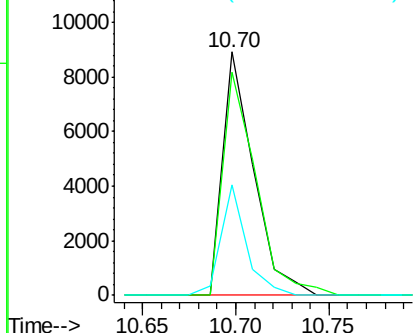
#41
 2,4,6-Tribromophenol
 Concen: 9.05 ng
 RT: 10.70 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

Tot Ion:330 Resp: 10389
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.1 115.7
 141 37.1 29.8 44.8

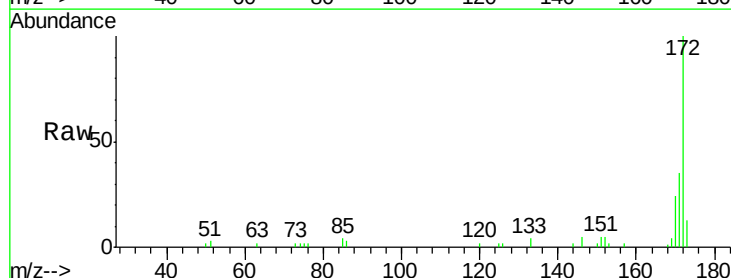


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

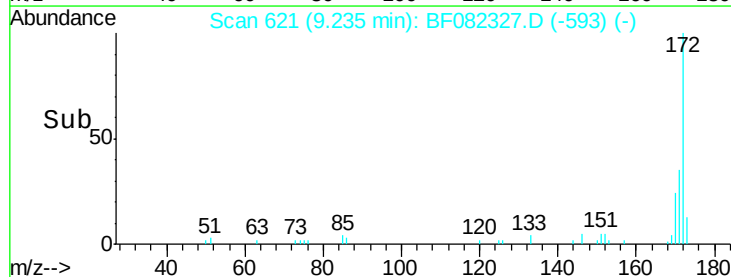
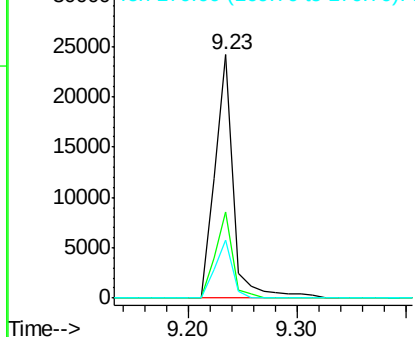


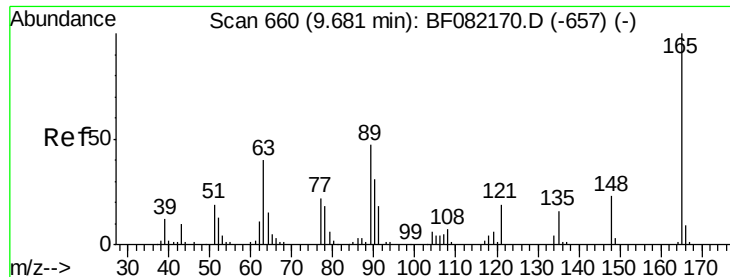
#44
 2-Fluorobiphenyl
 Concen: 3.90 ng
 RT: 9.23 min Scan# 621
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Tgt Ion:172 Resp: 28762
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 24.0 19.7 29.5



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

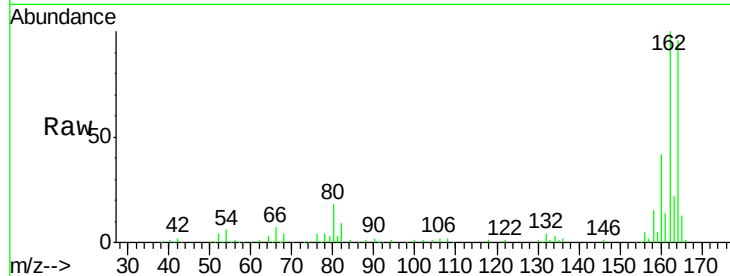




#50
 2,6-Dinitrotoluene
 Concen: 8.53 ng
 RT: 9.91 min Scan# 680
 Delta R.T. 0.23 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

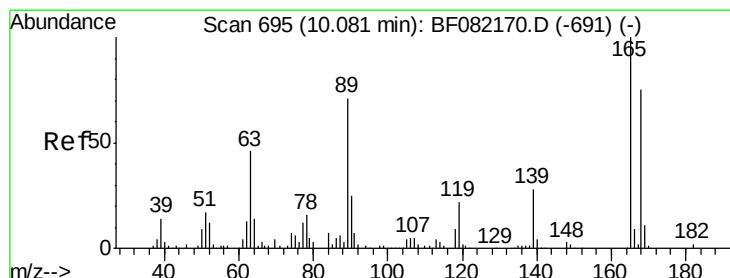
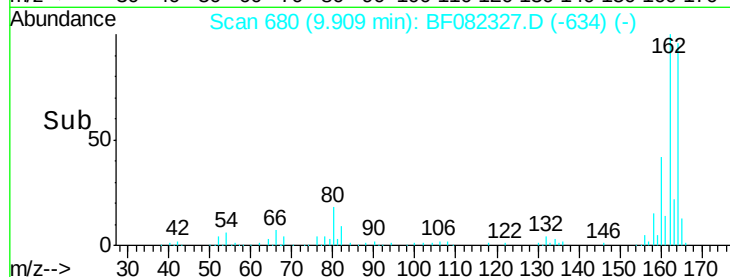
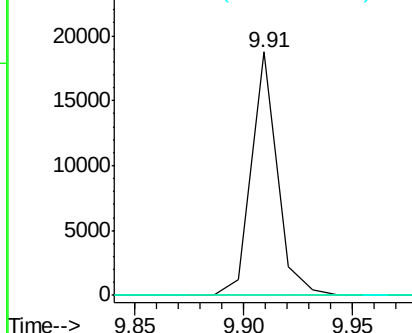
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	37.8	56.6#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.83 ng
 RT: 9.91 min Scan# 680
 Delta R.T. -0.17 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

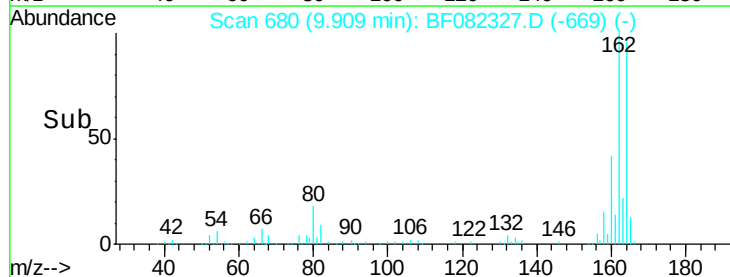
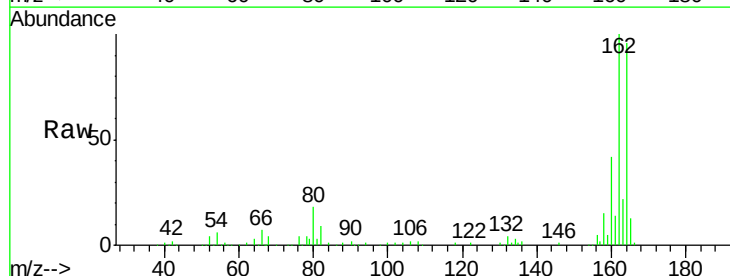
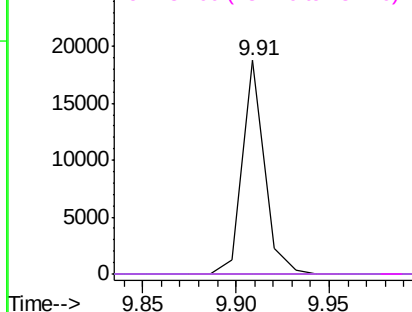
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.6	58.0#
89	0.0	57.0	85.6#
182	0.0	1.8	2.6#

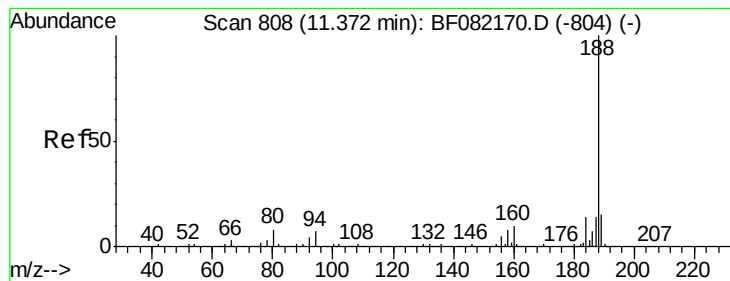
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

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ClientSampleId :

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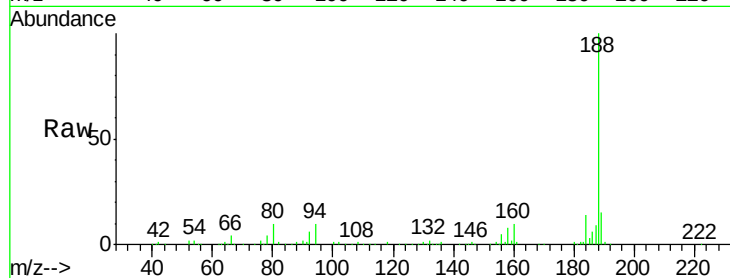
Tot Ion:188 Resp: 256805

Ion Ratio Lower Upper

188 100

94 9.8 5.8 8.6#

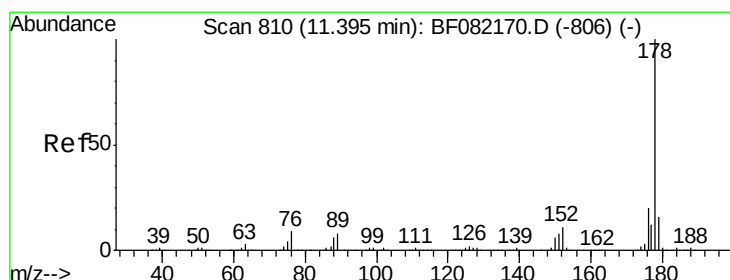
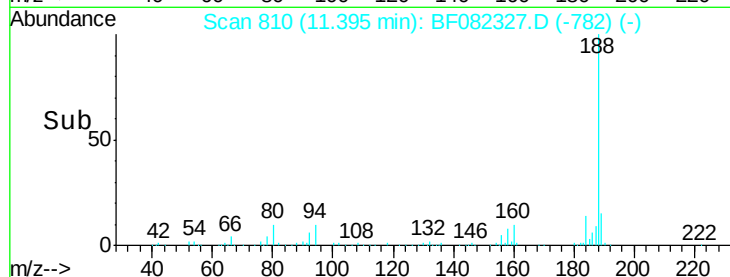
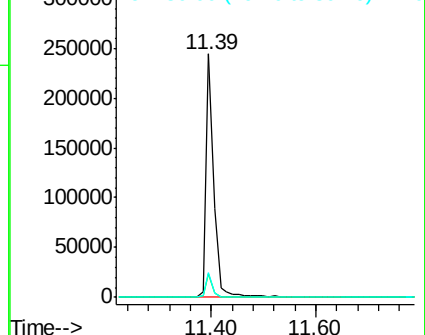
80 10.2 6.4 9.6#



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



#70

Phenanthrene

Concen: 3.08 ng

RT: 11.42 min Scan# 812

Delta R.T. 0.02 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

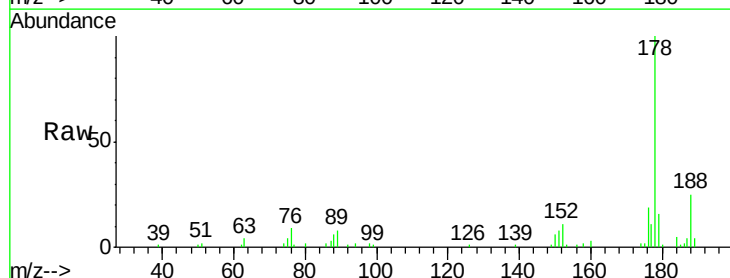
Tgt Ion:178 Resp: 38755

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

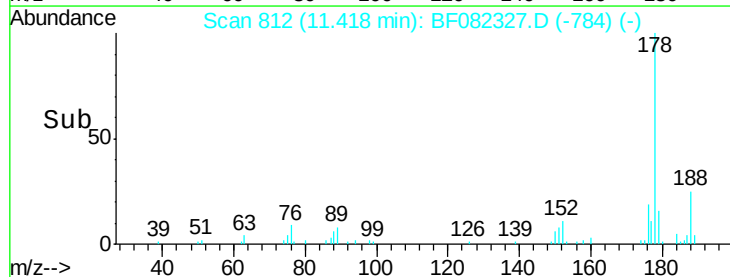
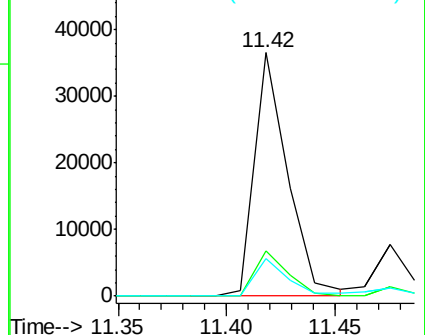
179 15.5 12.6 19.0

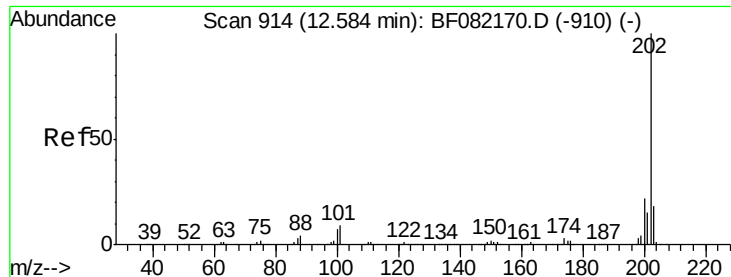


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

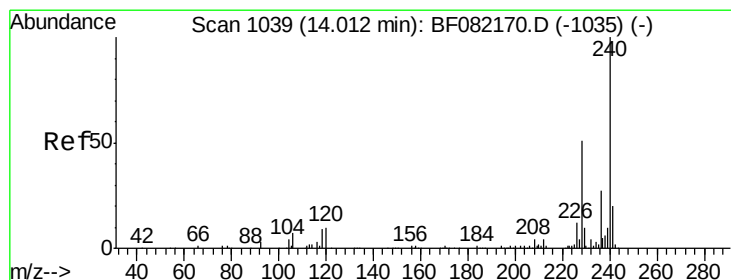
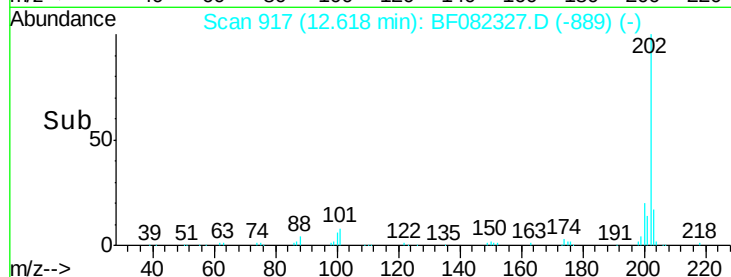
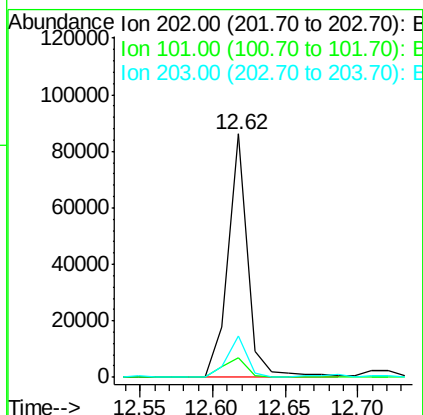
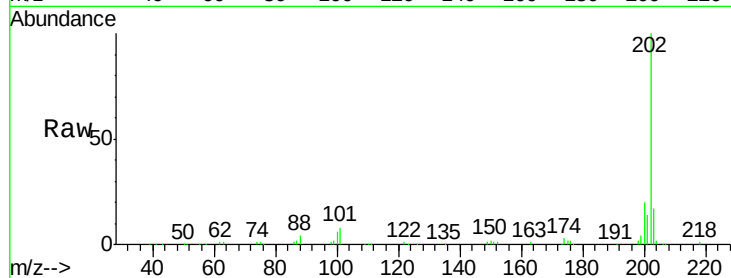




#74
Fluoranthene
Concen: 6.07 ng
RT: 12.62 min Scan# 917
Delta R.T. 0.02 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

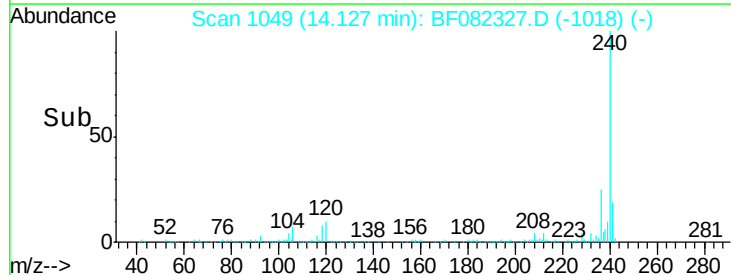
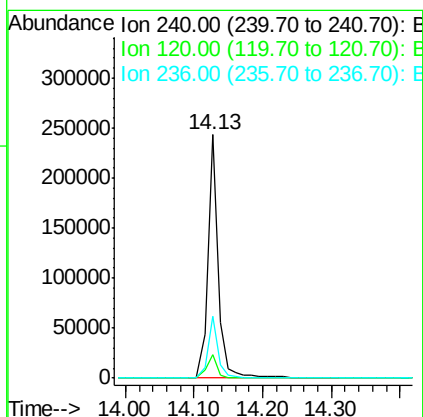
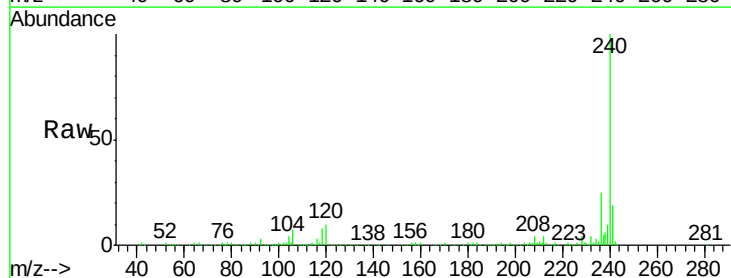
Instrument :
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TK1-1-20151015

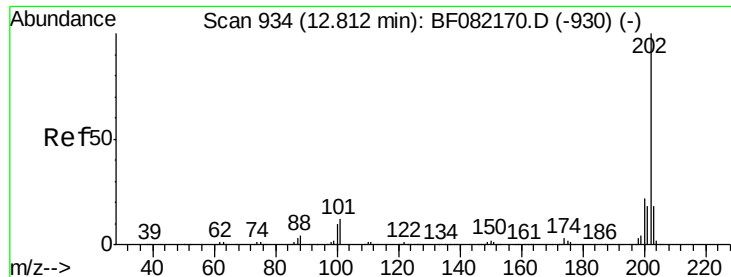
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	29.3
203	17.2	0.0	37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1049
Delta R.T. 0.06 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.1	12.1
236	25.5	21.3	31.9

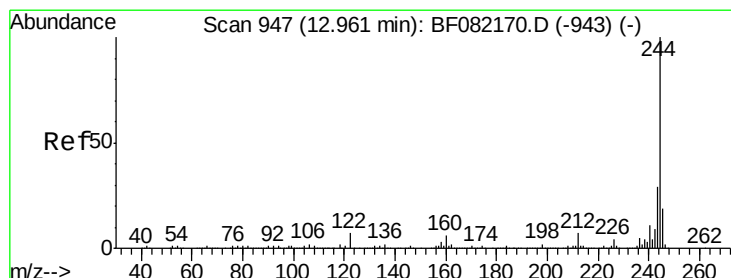
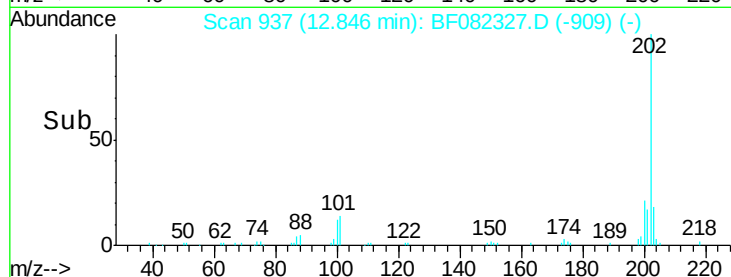
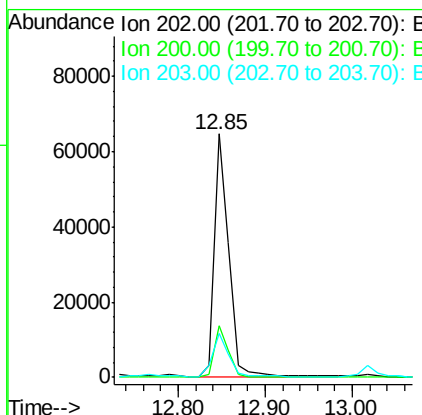
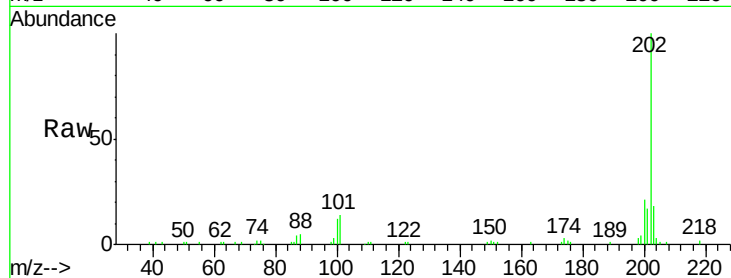




#77
Pvrene
Concen: 5.08 ng
RT: 12.85 min Scan# 937
Delta R.T. 0.02 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

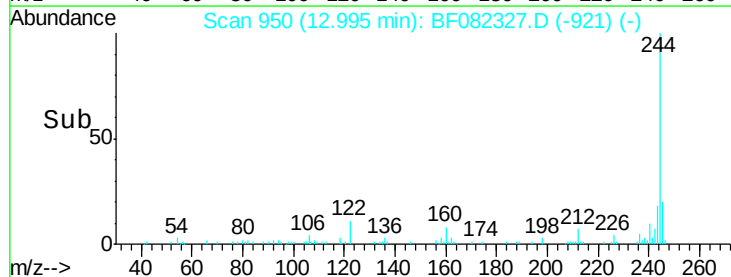
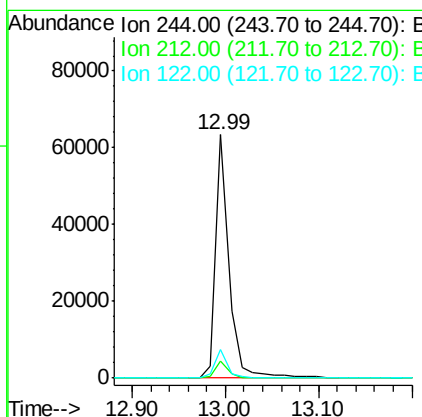
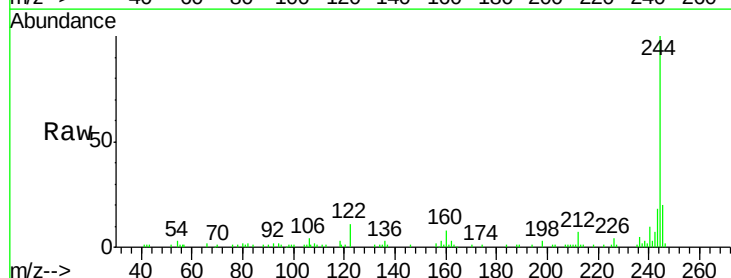
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

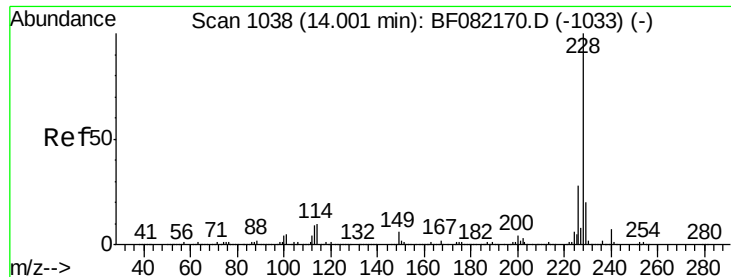
Tot Ion:202 Resp: 77759
Ion Ratio Lower Upper
202 100
200 21.2 17.9 26.9
203 17.8 14.5 21.7



#78
Terphenyl-d14
Concen: 6.51 ng
RT: 12.99 min Scan# 950
Delta R.T. 0.03 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion:244 Resp: 63302
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 11.5 5.9 8.9#





#80

Benzo(a)anthracene

Concen: 3.10 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.06 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015

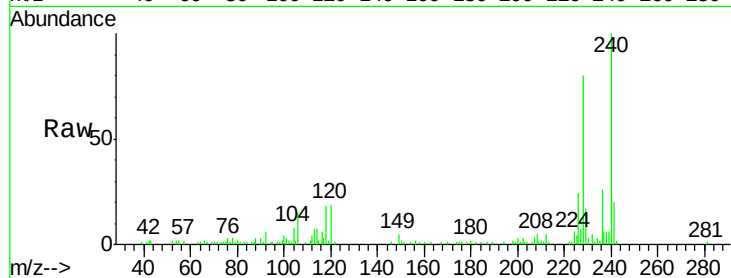
Tot Ion:228 Resp: 41630

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

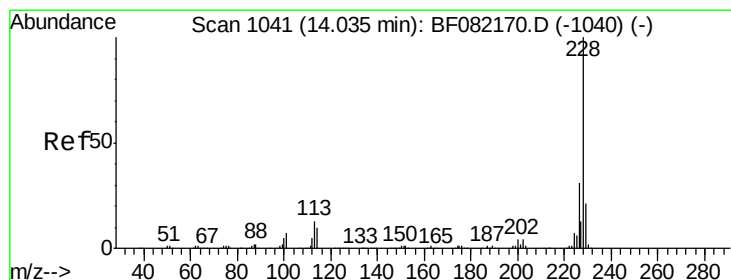
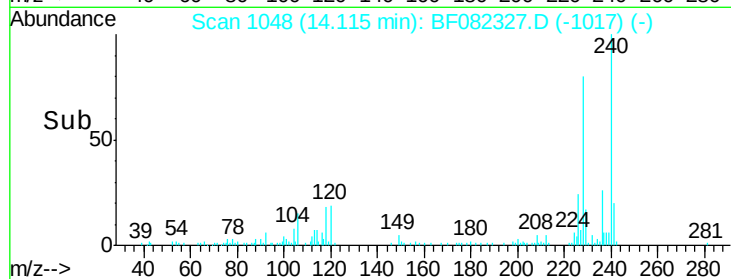
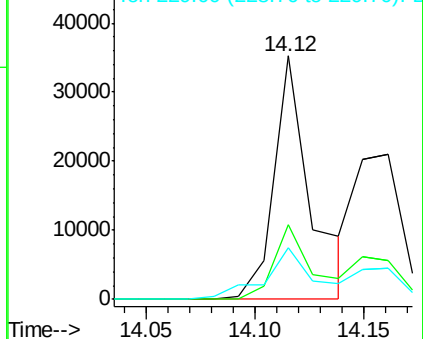
229 21.0 16.2 24.2



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



#82

Chrysene

Concen: 2.40 ng

RT: 14.16 min Scan# 1052

Delta R.T. 0.07 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

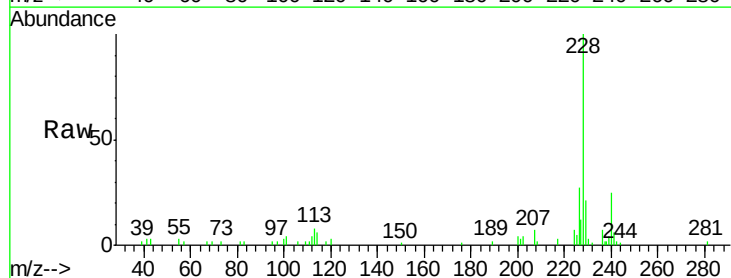
Tgt Ion:228 Resp: 33874

Ion Ratio Lower Upper

228 100

226 27.1 24.4 36.6

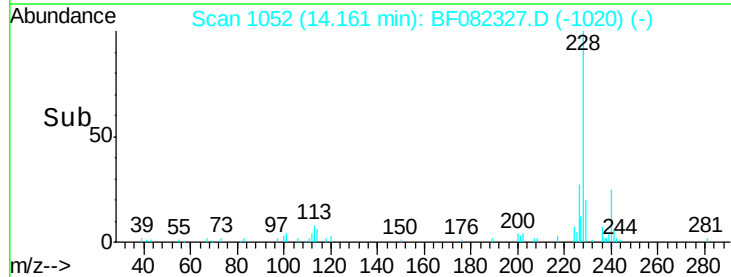
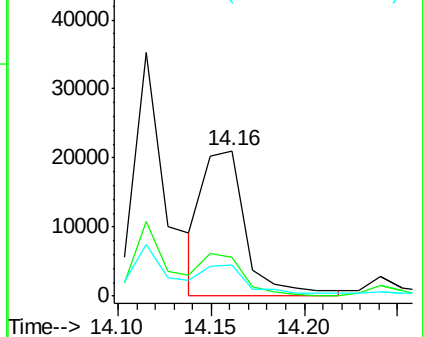
229 21.2 16.3 24.5

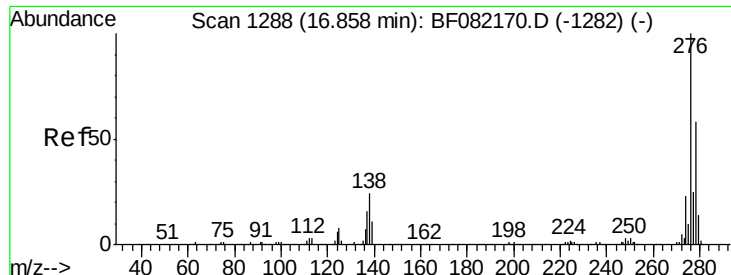


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

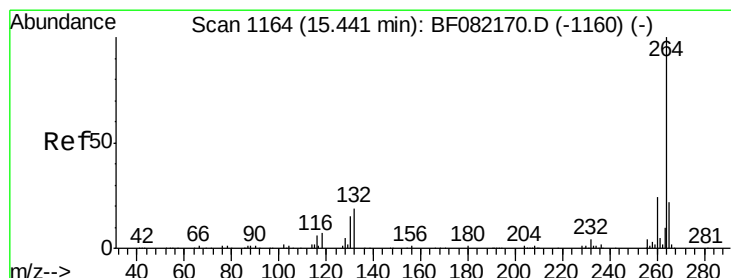
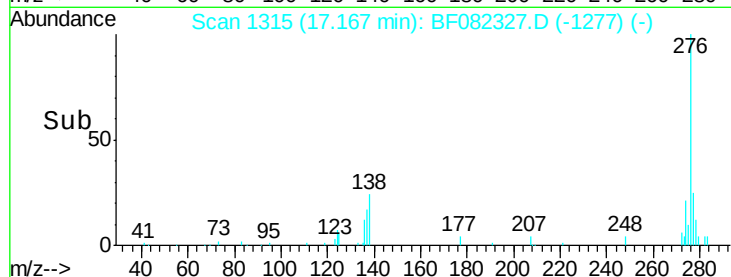
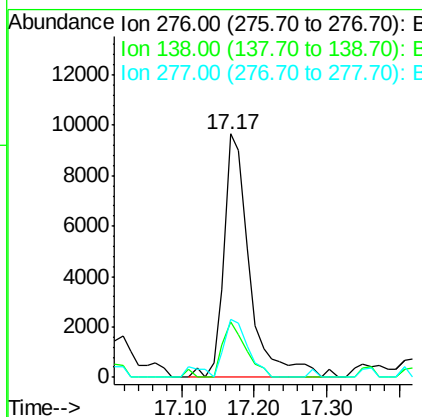
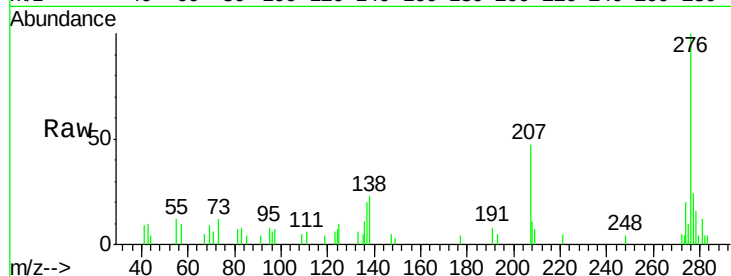




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.13 ng
 RT: 17.17 min Scan# 1315
 Delta R.T. 0.14 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

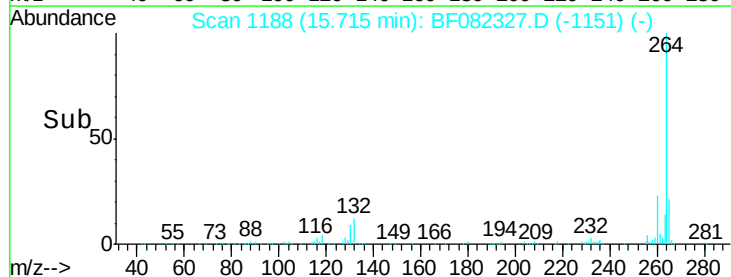
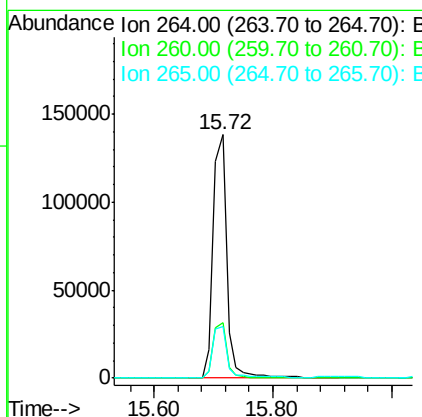
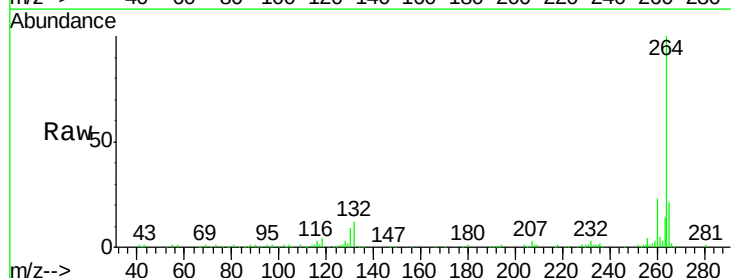
Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

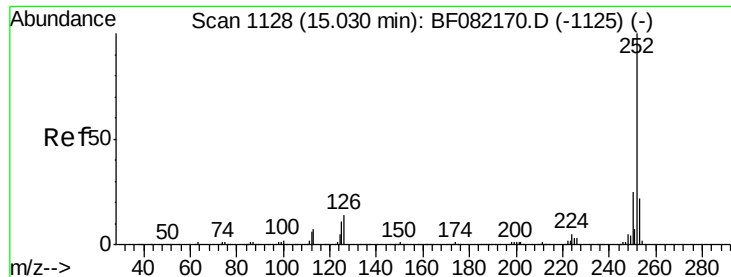
Tot Ion:276 Resp: 23988
 Ion Ratio Lower Upper
 276 100
 138 20.3 19.7 29.5
 277 21.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.72 min Scan# 1188
 Delta R.T. 0.13 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Tgt Ion:264 Resp: 222116
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.0 28.6
 265 21.3 17.3 25.9

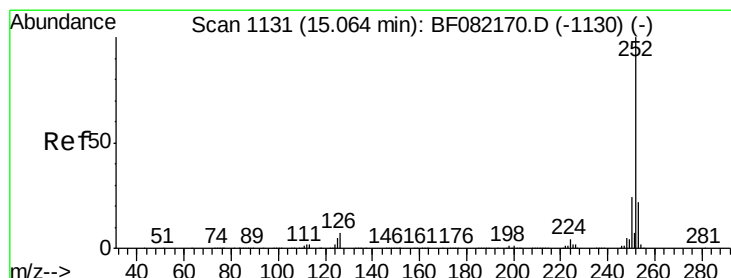
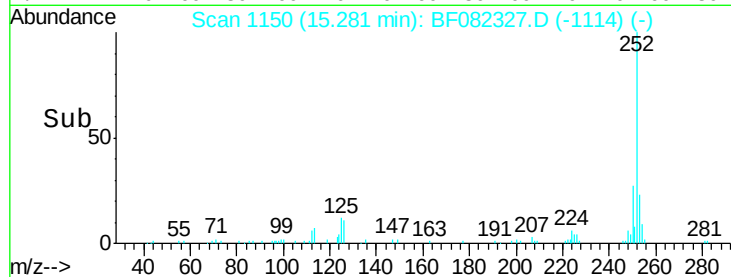
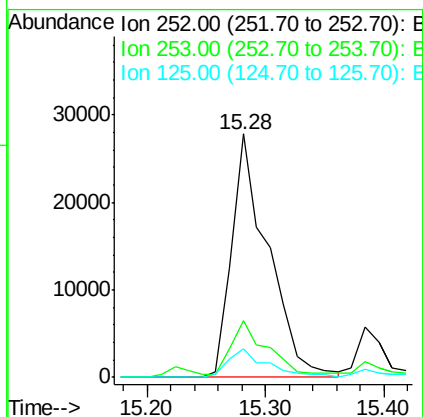
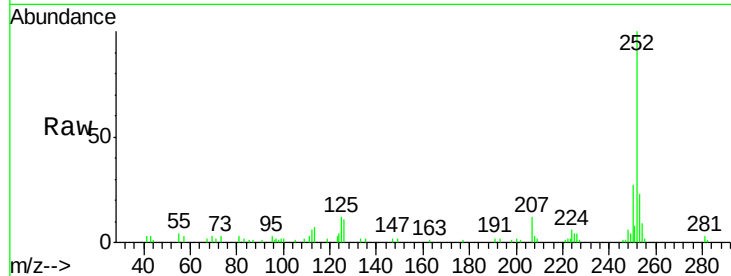




#87
Benzo(b)fluoranthene
Concen: 4.39 ng
RT: 15.28 min Scan# 1150
Delta R.T. 0.11 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

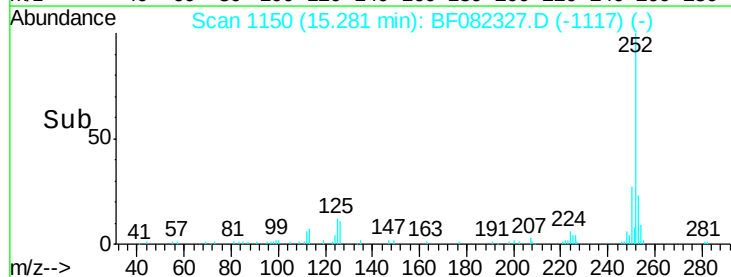
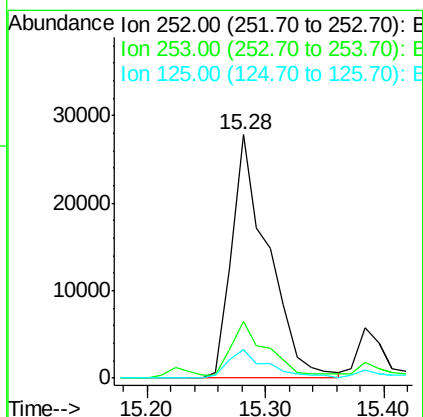
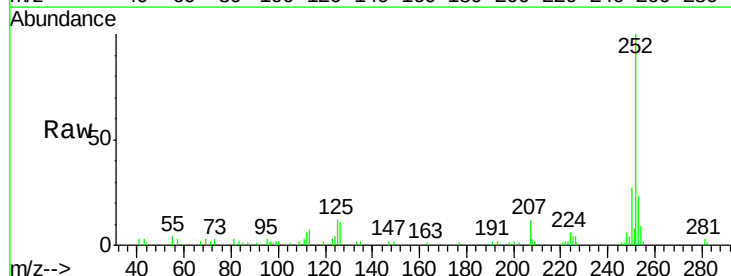
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

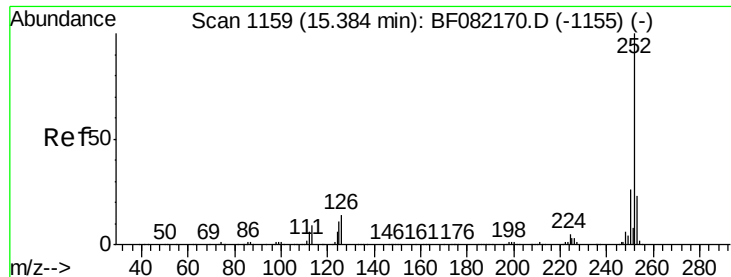
Tot Ion:252 Resp: 59263
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 11.7 8.6 12.8



#88
Benzo(k)fluoranthene
Concen: 5.22 ng
RT: 15.28 min Scan# 1150
Delta R.T. 0.08 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion:252 Resp: 59263
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.7 6.7 10.1#





#89

Benzo(a)pyrene

Concen: 2.66 ng

RT: 15.65 min Scan# 1182

Delta R.T. 0.11 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015

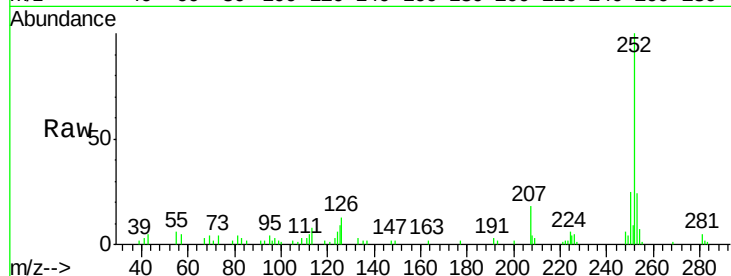
Tot Ion:252 Resp: 30888

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

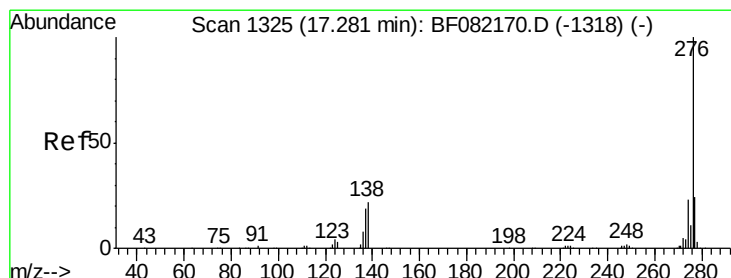
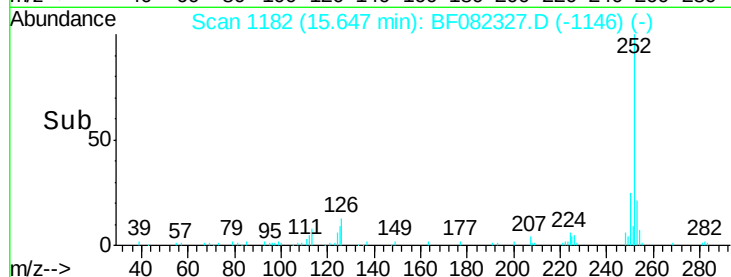
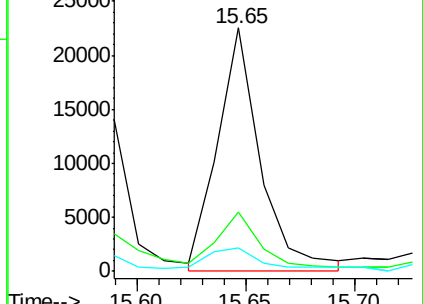
125 9.4 8.9 13.3



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: 2.63 ng

RT: 17.61 min Scan# 1354

Delta R.T. 0.15 min

Lab File: BF082327.D

Acq: 16 Oct 2015 15:54

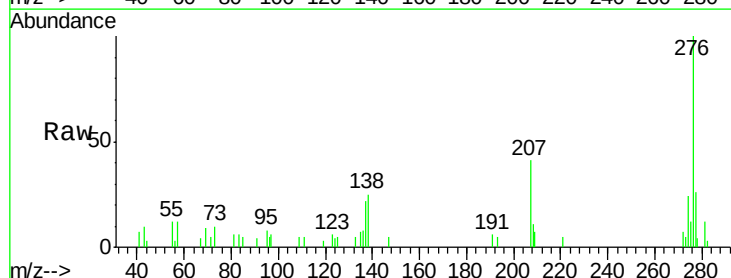
Tgt Ion:276 Resp: 24361

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 24.7 17.4 26.2



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

