

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082382.D
 Acq On : 20 Oct 2015 5:02
 Operator : UM/IZ
 Sample : G4051-06RE 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015RE

Manual Integrations
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MMdadoda
 10/20/2015 6:26:02 PM

Quant Time: Oct 20 08:59:54 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106796	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	411181	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	207329	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	347450	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	249420	20.00	ng	-0.02
86) Perylene-d12	15.45	264	249597	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	31859	6.02	ng	-0.03
7) Phenol-d6	6.45	99	37272	5.41	ng	-0.03
23) Nitrobenzene-d5	7.37	82	21234	3.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	15528	7.99	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	52081	4.17	ng	-0.04
78) Terphenyl-d14	12.93	244	96126	10.21	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.36	178	226973	13.33	ng	98
71) Anthracene	11.42	178	46709	2.66	ng	98
74) Fluoranthene	12.56	202	311147	17.01	ng	96
77) Pyrene	12.79	202	259176	17.51	ng	98
80) Benzo(a)anthracene	13.98	228	127331	9.81	ng	95
82) Chrysene	14.02	228	113941	8.33	ng	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	80590	7.41	ng	95
87) Benzo(b)fluoranthene	15.04	252	186151m	12.26	ng	
88) Benzo(k)fluoranthene	15.06	252	41168m	3.23	ng	
89) Benzo(a)pyrene	15.40	252	108371	8.30	ng	99
91) Benzo(g,h,i)perylene	17.29	276	79287	7.63	ng	95

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

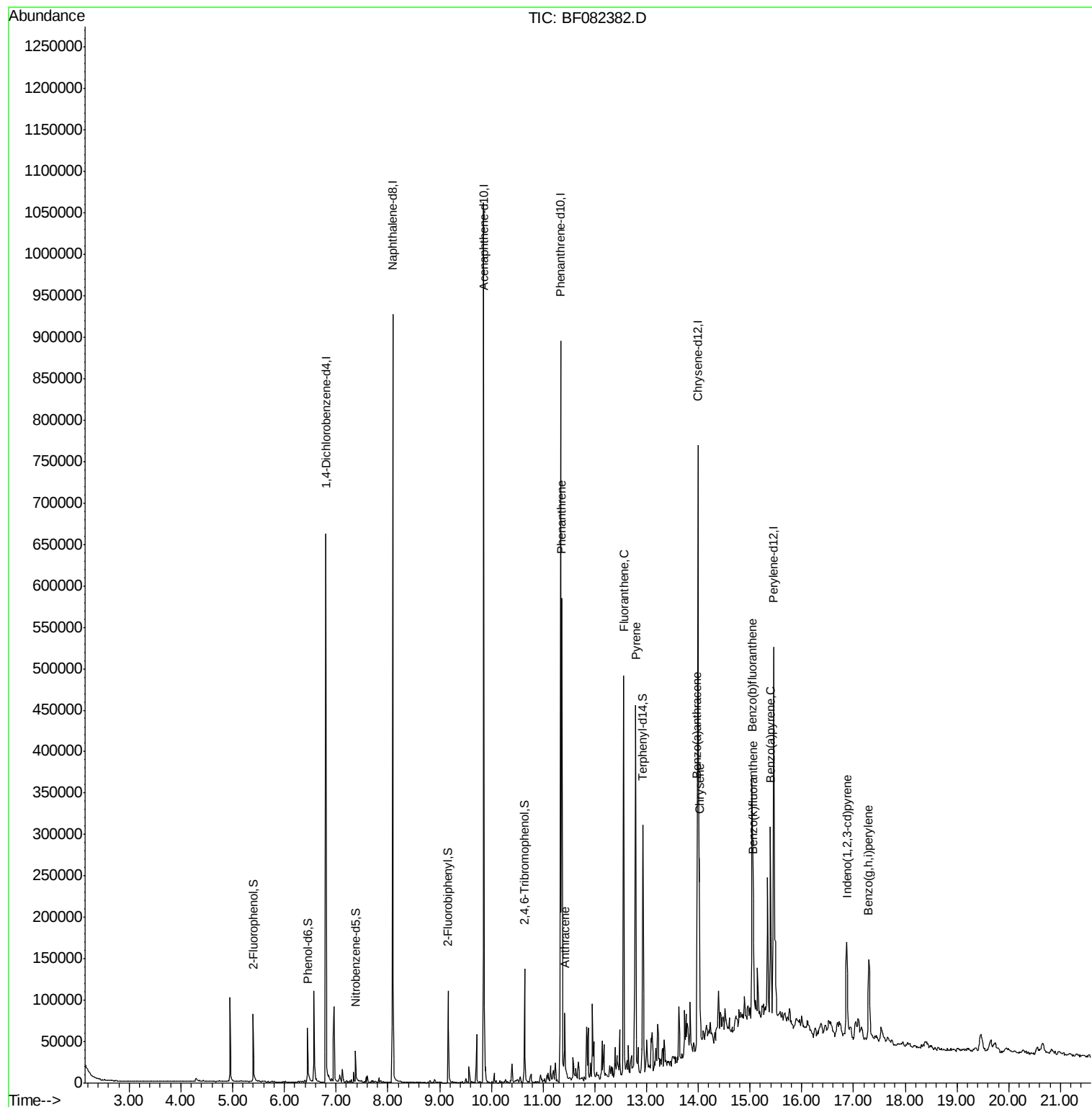
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

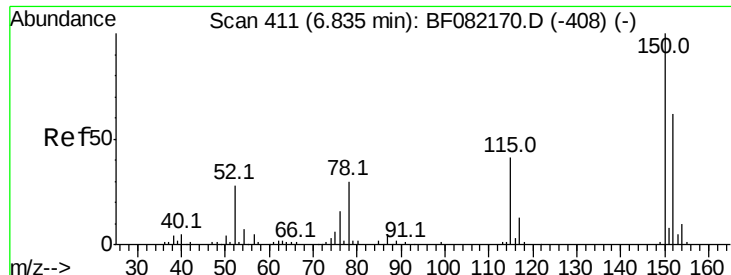
Instrument :
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QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

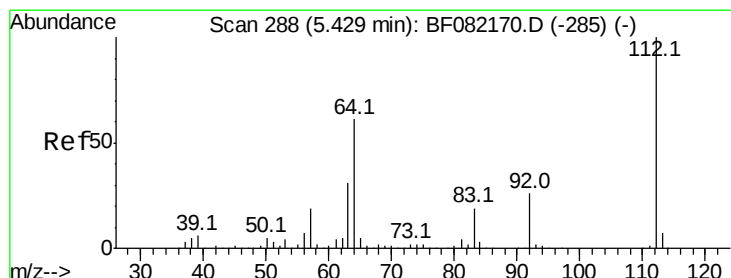
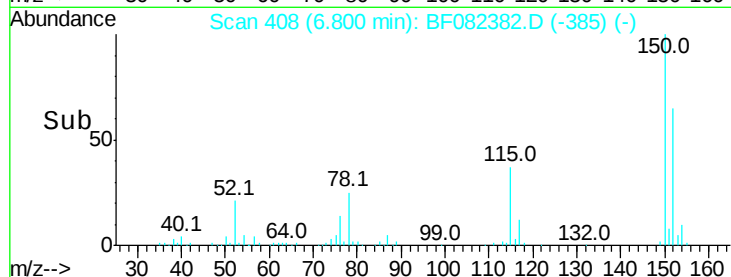
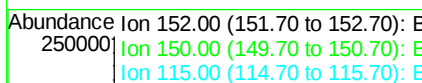
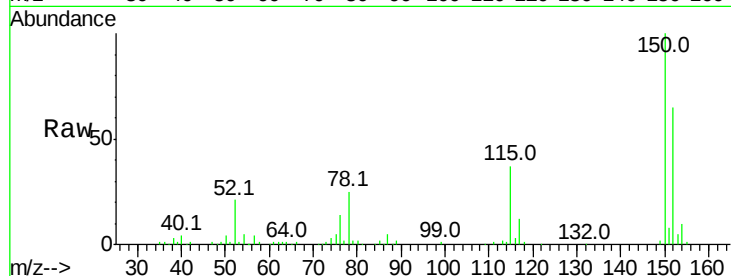
ClientSampleId :

TK1-6-20151015RE

Tot Ion:	152	Resp:	106796
Ion Ratio	Lower	Upper	
152	100		
150	152.9	129.0	193.4
115	57.1	52.1	78.1

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#5

2-Fluorophenol

Concen: 6.02 ng

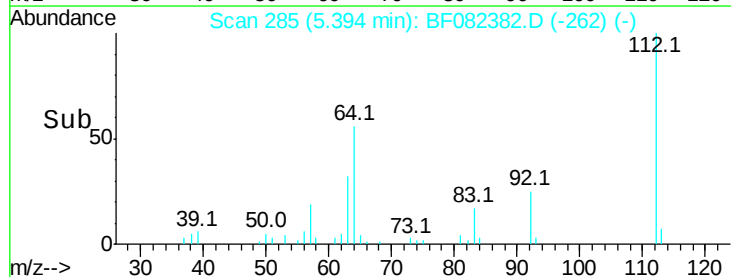
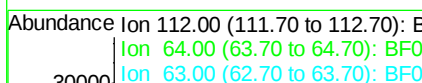
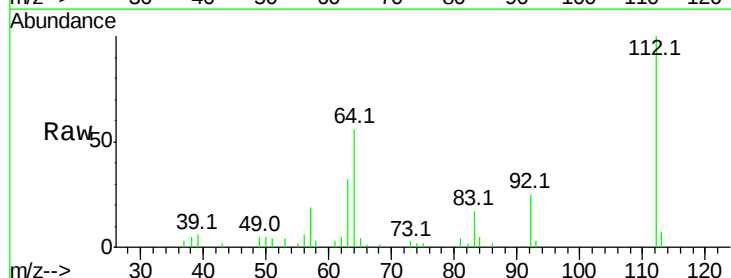
RT: 5.39 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion:	112	Resp:	31859
Ion Ratio	Lower	Upper	
112	100		
64	55.6	48.6	73.0
63	31.5	25.1	37.7





#7

Phenol-d6

Concen: 5.41 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

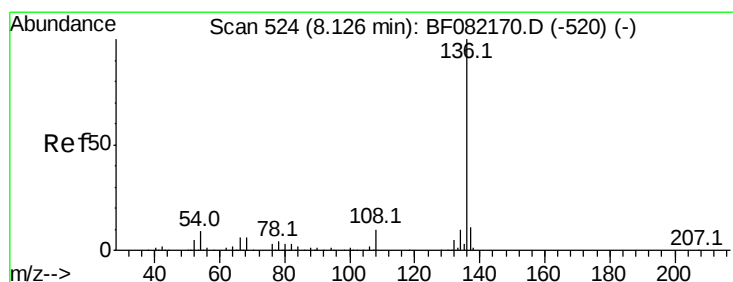
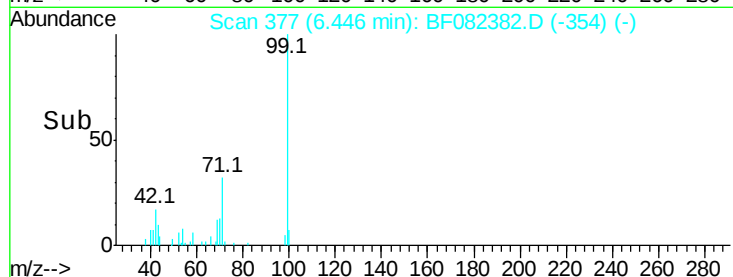
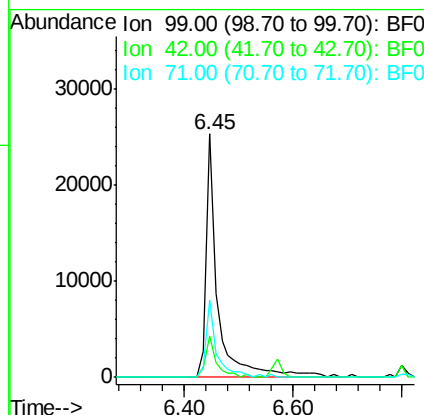
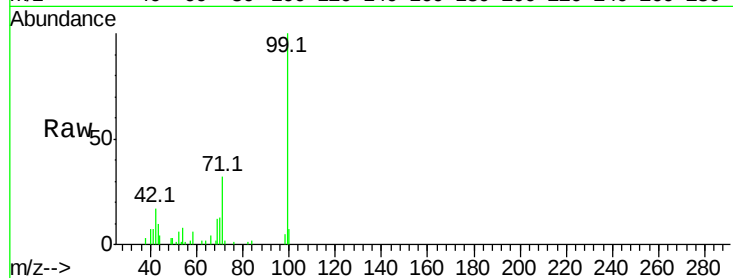
ClientSampleId :

TK1-6-20151015RE

Tot Ion:	99	Resp:	37272
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.2	19.8
71	31.7	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

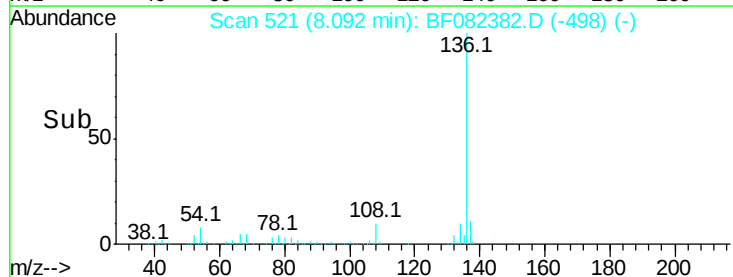
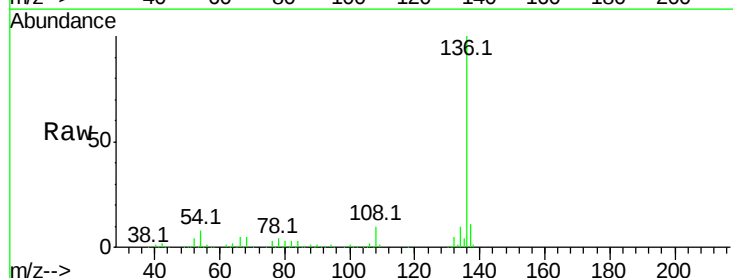
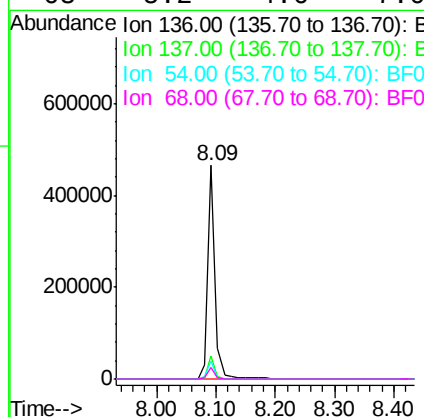
RT: 8.09 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion:	136	Resp:	411181
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.3	7.5	11.3
68	5.2	4.6	7.0





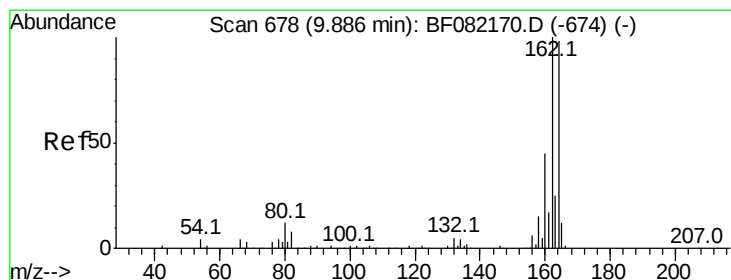
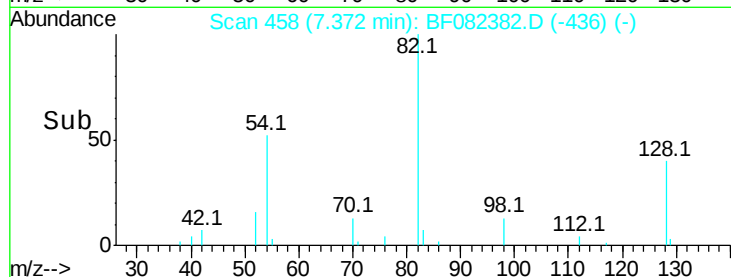
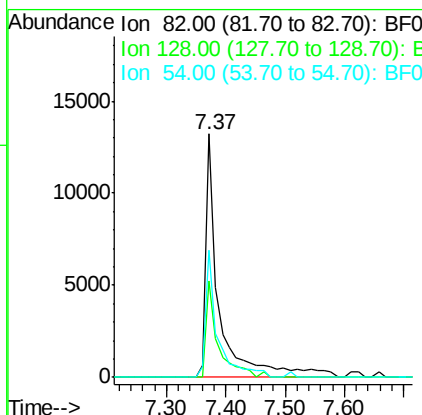
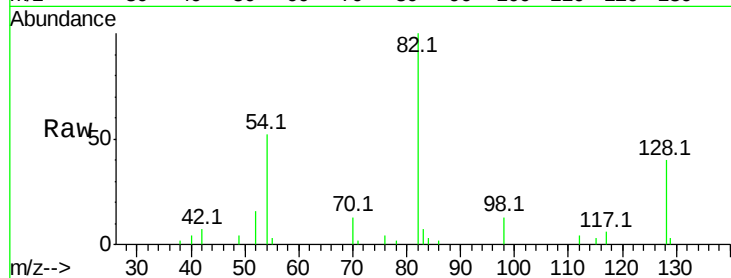
#23
Nitrobenzene-d5
Concen: 3.47 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082382.D
Acq: 20 Oct 2015 5:02

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	38.7	58.1
54	52.0	40.1	60.1

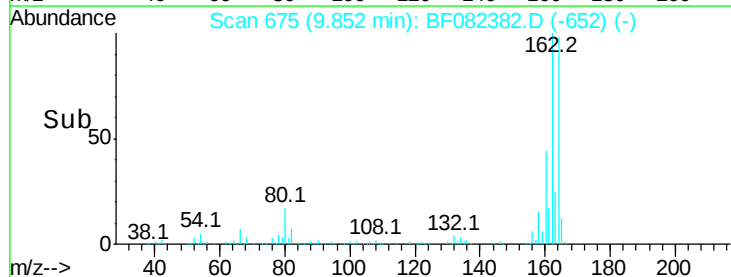
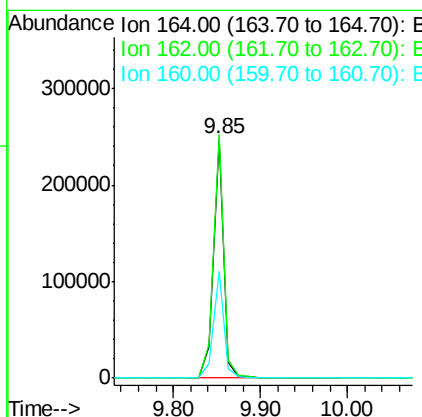
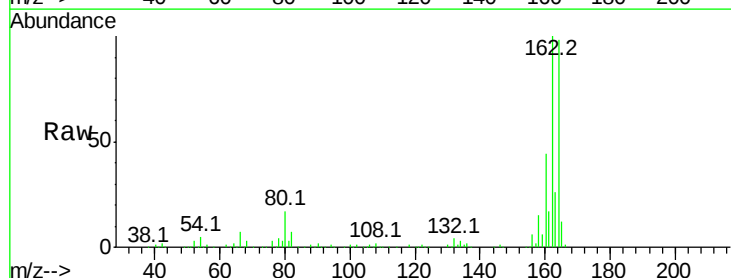
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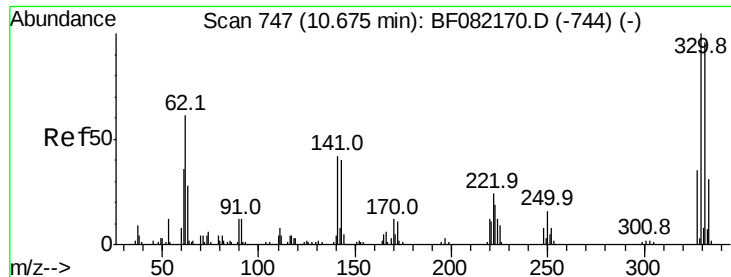
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082382.D
Acq: 20 Oct 2015 5:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.6	122.4
160	44.7	36.4	54.6





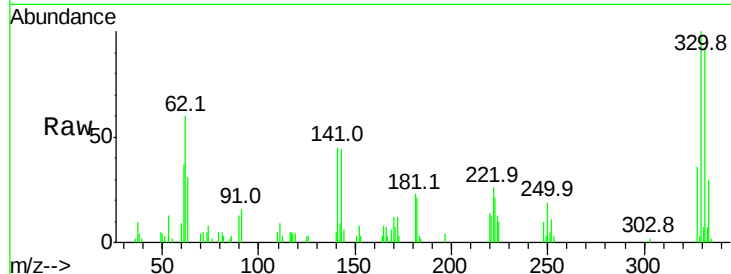
#41
 2,4,6-Tribromophenol
 Concen: 7.99 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082382.D
 Acq: 20 Oct 2015 5:02

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5		77.1	115.7
141	41.1		29.8	44.8

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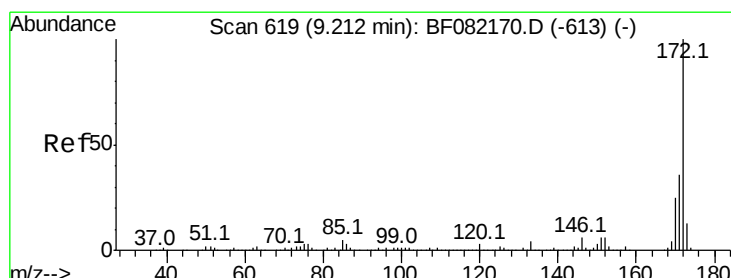
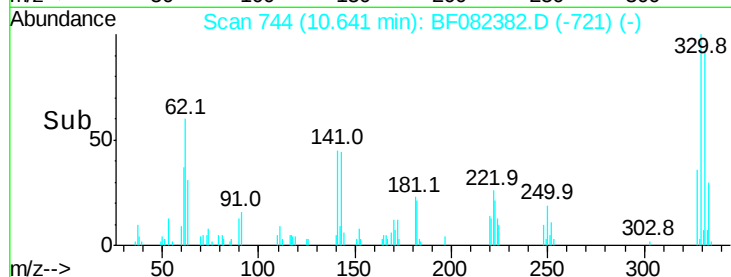
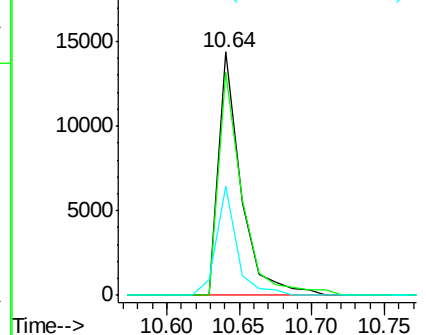


Abundance

Ion 329.80 (329.50 to 330.50): E

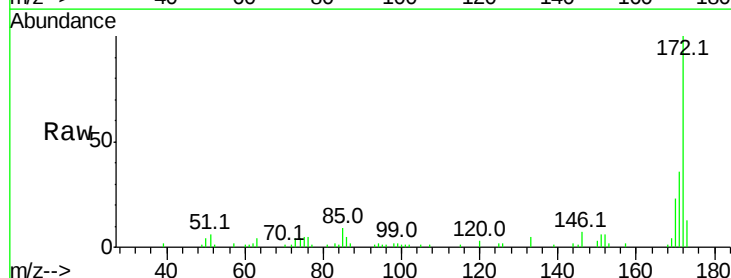
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 4.17 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082382.D
 Acq: 20 Oct 2015 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7		28.6	42.8
170	22.8		19.7	29.5

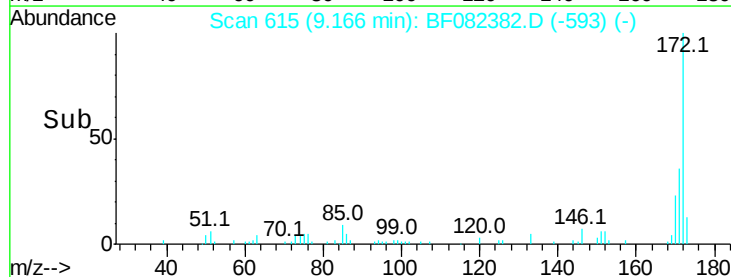
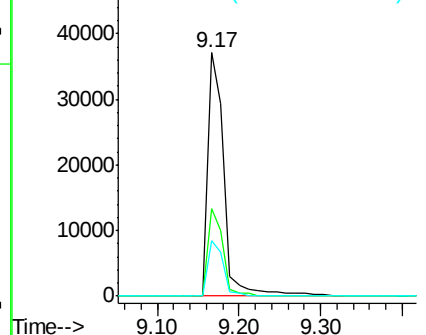


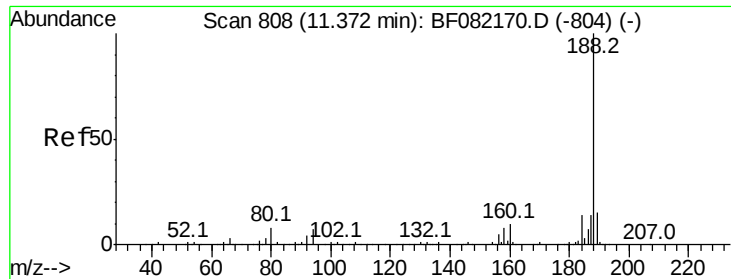
Abundance

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

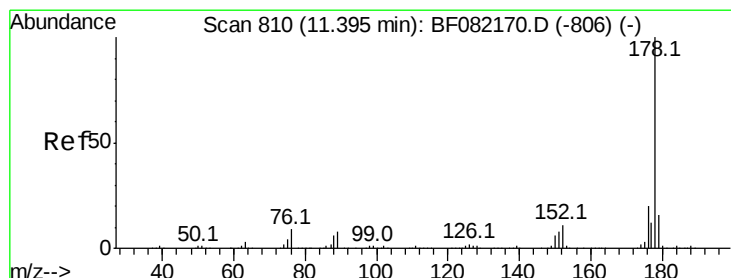
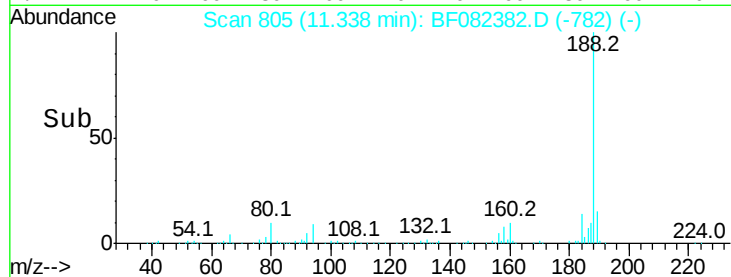
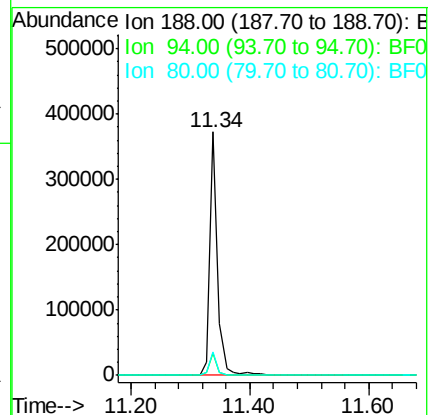
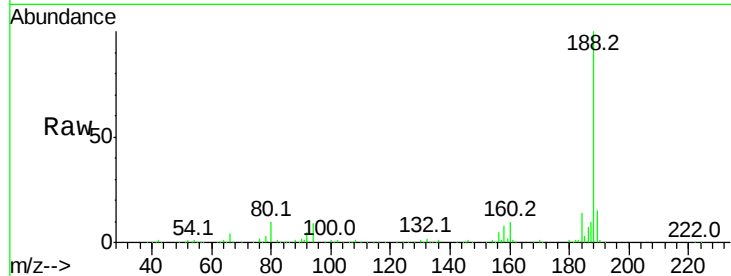
ClientSampleId :

TK1-6-20151015RE

Tot Ion:	188	Resp:	347450
Ion Ratio	Lower	Upper	
188	100		
94	9.2	5.8	8.6#
80	9.6	6.4	9.6#

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#70

Phenanthrene

Concen: 13.33 ng

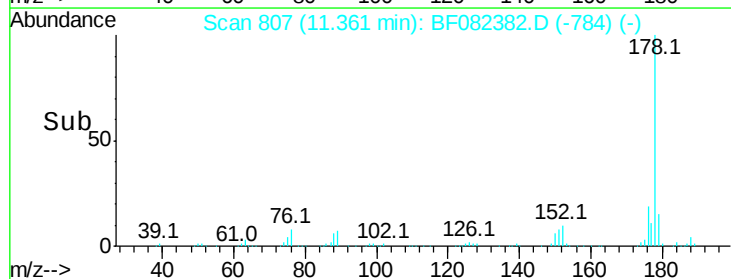
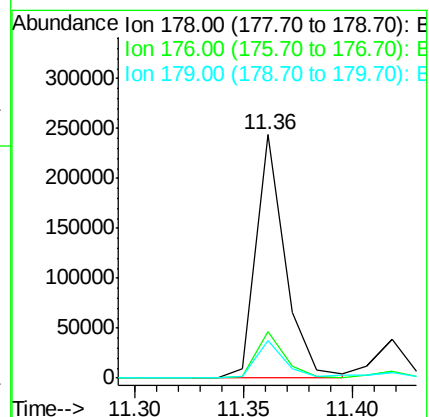
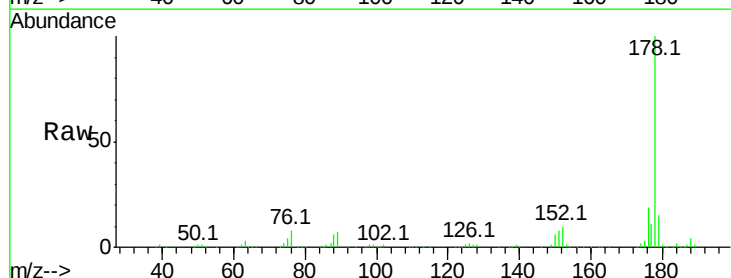
RT: 11.36 min Scan# 807

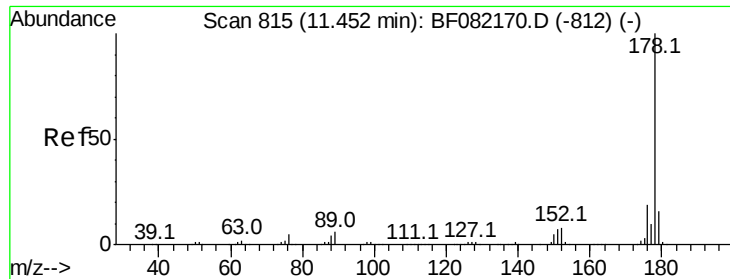
Delta R.T. -0.03 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion:	178	Resp:	226973
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.0	24.0
179	15.3	12.6	19.0





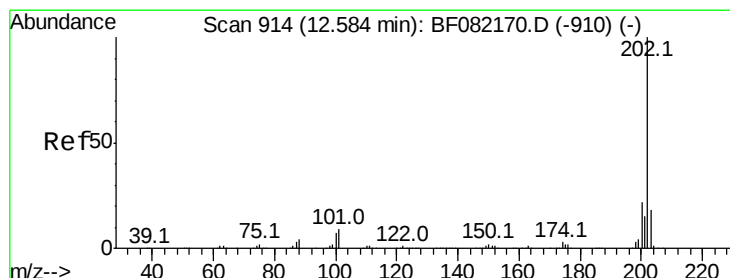
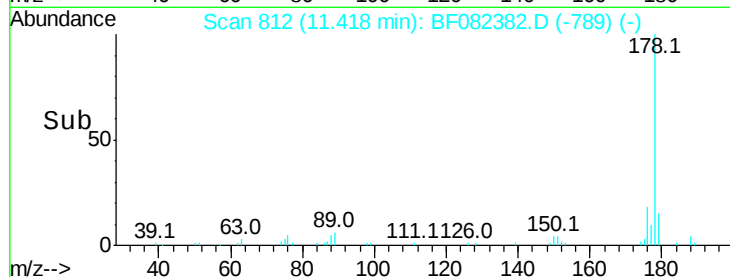
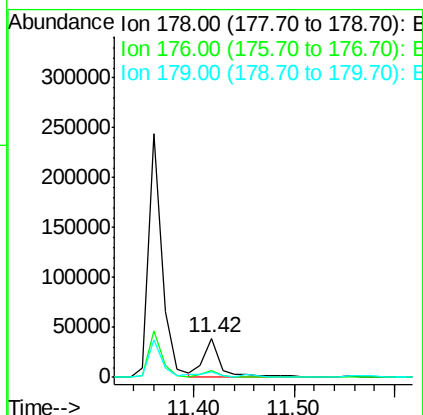
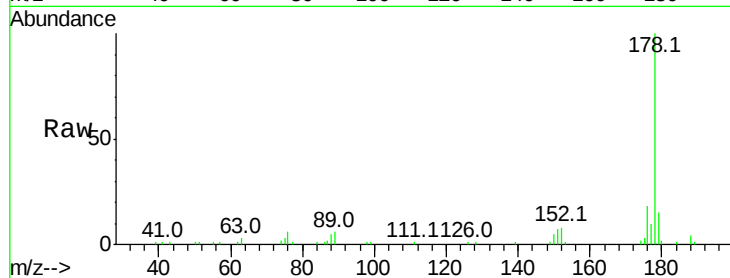
#71
 Anthracene
 Concen: 2.66 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF082382.D
 Acq: 20 Oct 2015 5:02

Instrument :
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 TK1-6-20151015RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	14.9	12.5	18.7

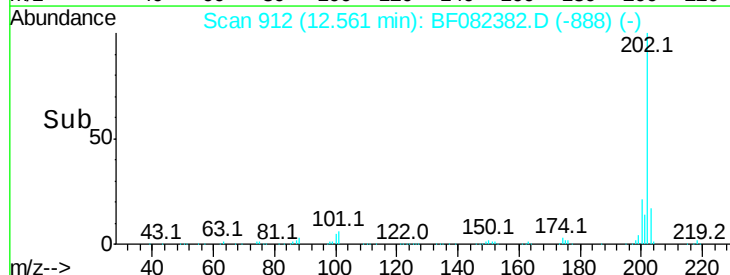
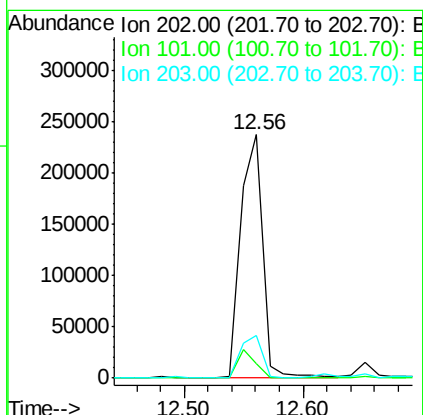
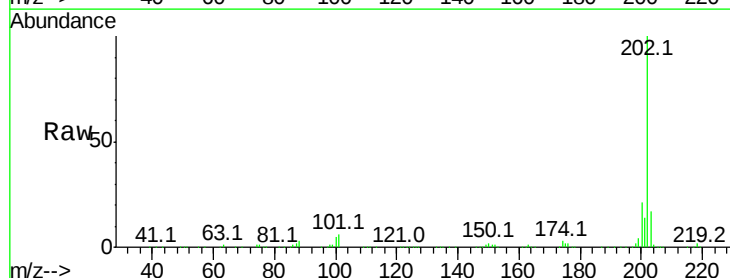
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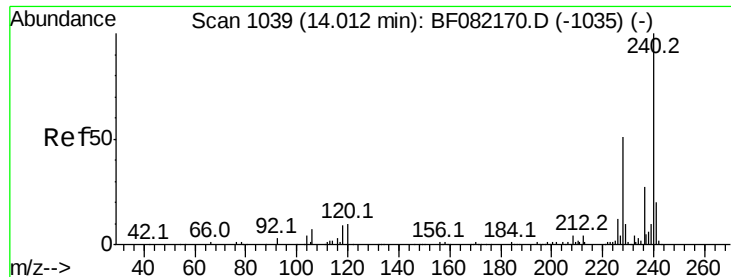
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#74
 Fluoranthene
 Concen: 17.01 ng
 RT: 12.56 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF082382.D
 Acq: 20 Oct 2015 5:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	29.3
203	17.3	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

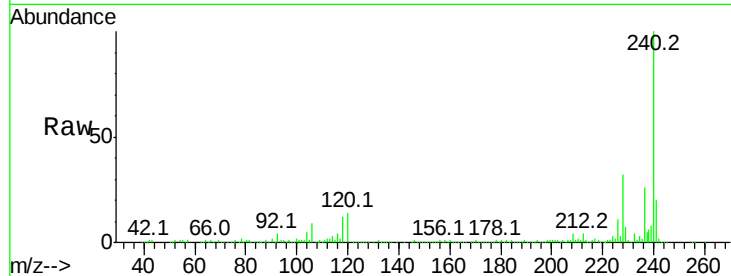
ClientSampleId :

TK1-6-20151015RE

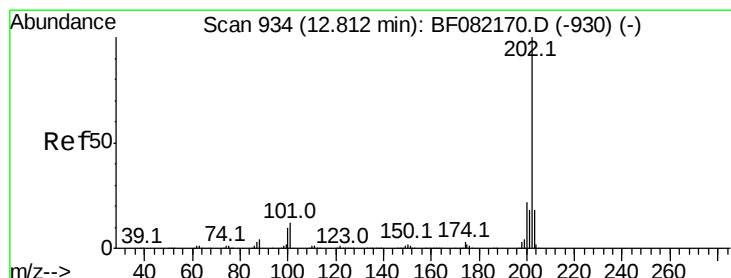
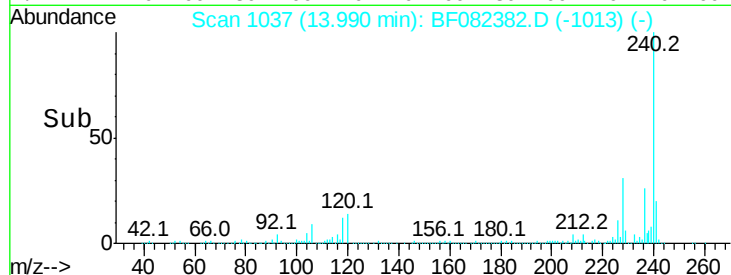
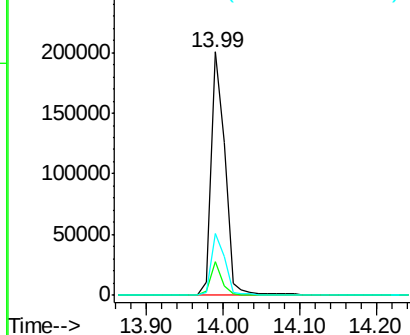
Tot Ion:	240	Resp:	249420
Ion Ratio	Lower	Upper	
240	100		
120	13.6	8.1	12.1#
236	25.6	21.3	31.9

Manual Integrations
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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: 17.51 ng

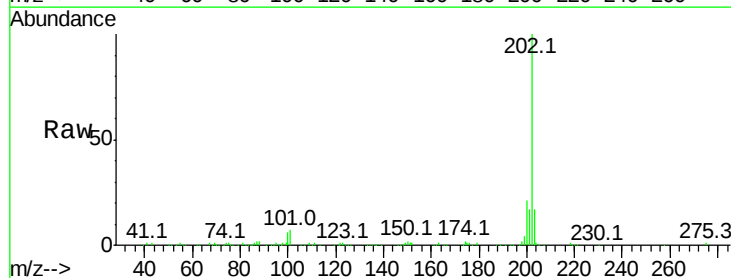
RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

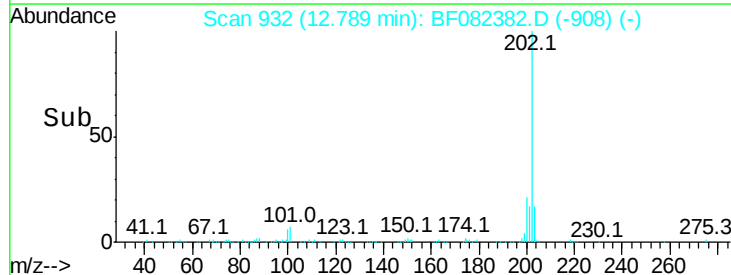
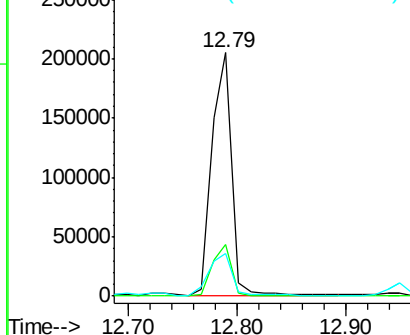
Lab File: BF082382.D

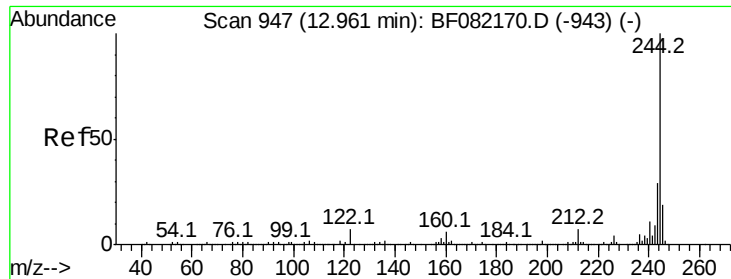
Acq: 20 Oct 2015 5:02

Tgt Ion:	202	Resp:	259176
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.9	26.9
203	17.3	14.5	21.7



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: 10.21 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082382.D

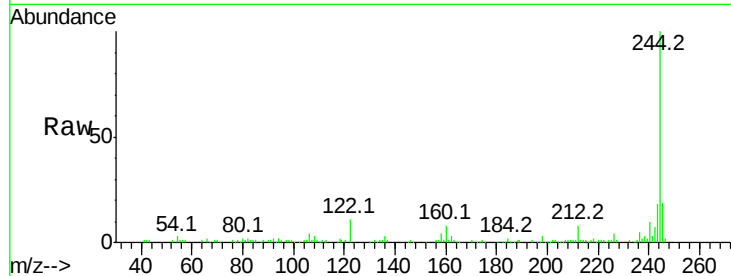
Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

ClientSampleId :

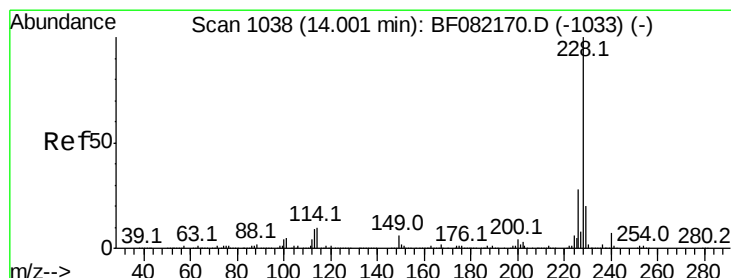
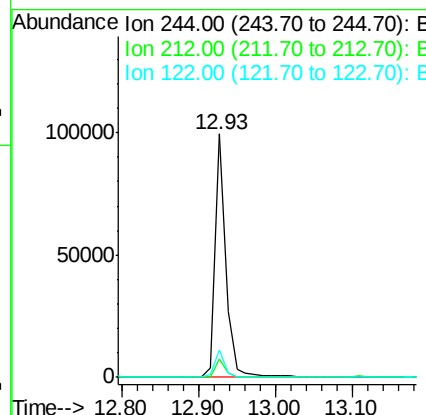
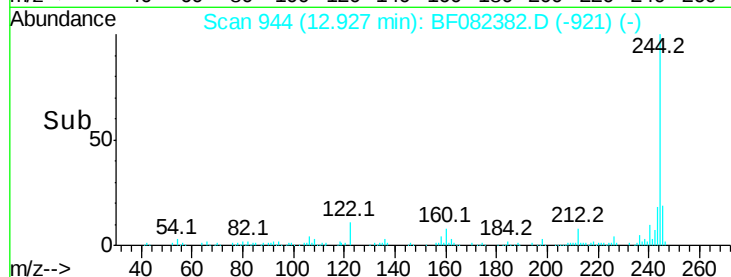
TK1-6-20151015RE



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	11.3	5.9	8.9#

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#80

Benzo(a)anthracene

Concen: 9.81 ng

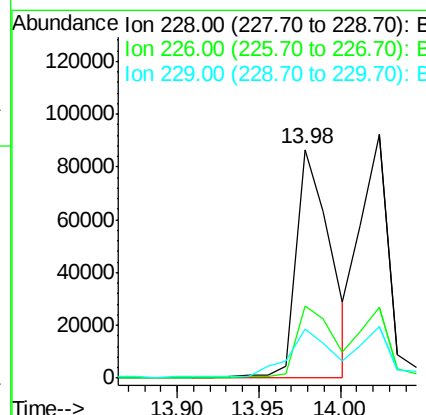
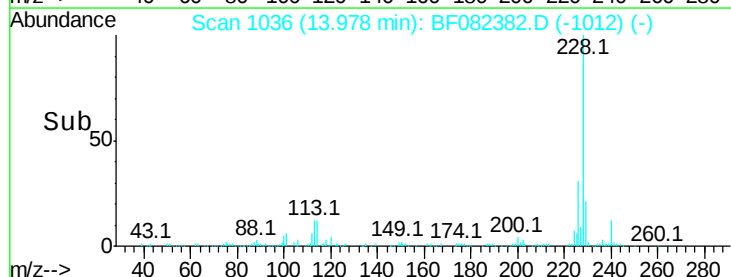
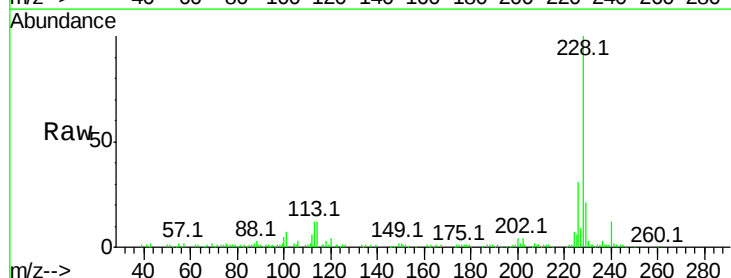
RT: 13.98 min Scan# 1036

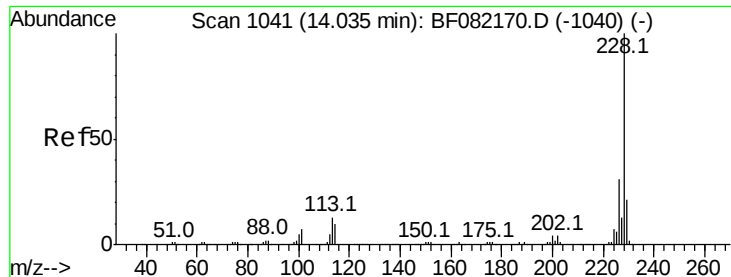
Delta R.T. -0.02 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.3	33.5
229	21.3	16.2	24.2





#82

Chrysene

Concen: 8.33 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

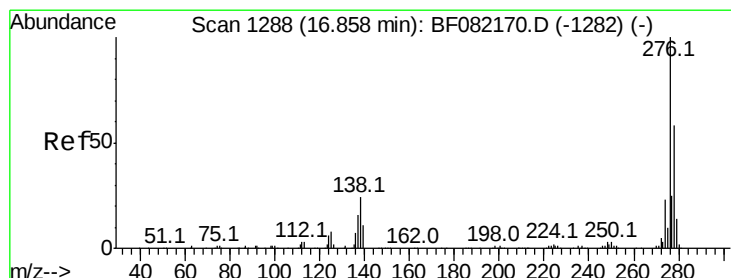
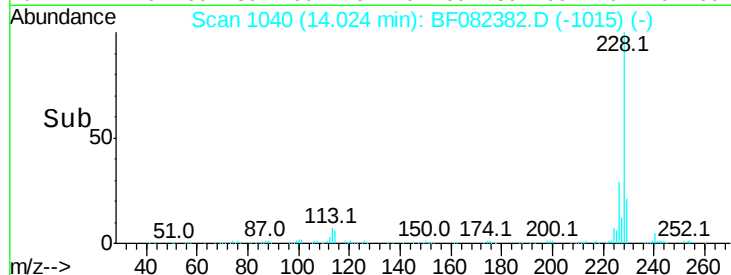
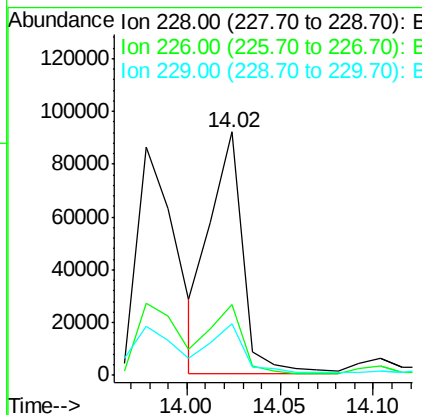
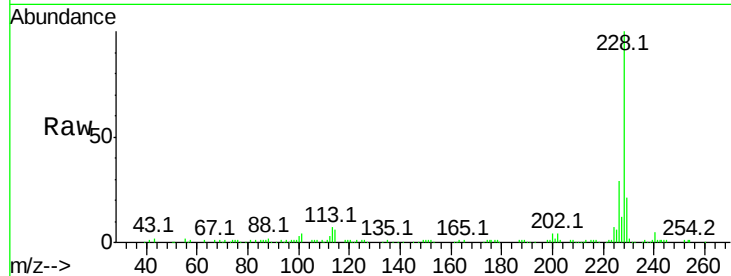
ClientSampleId :

TK1-6-20151015RE

Tot Ion:	228	Resp:	113941
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.4	36.6
229	21.4	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.41 ng

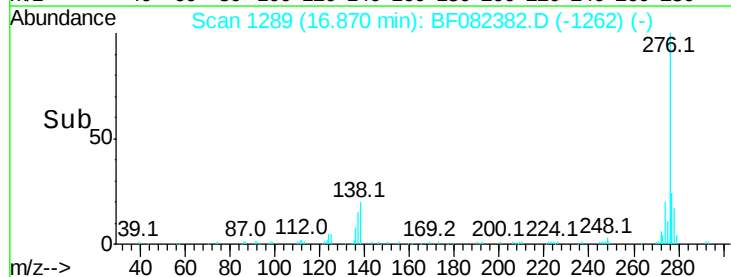
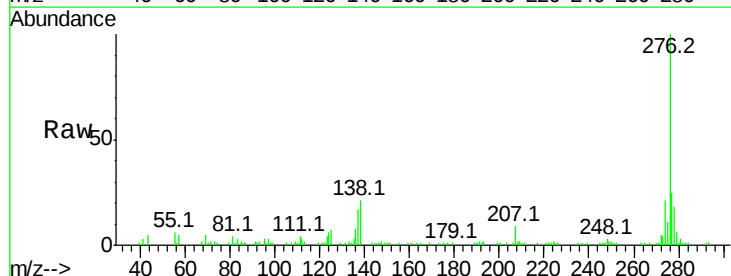
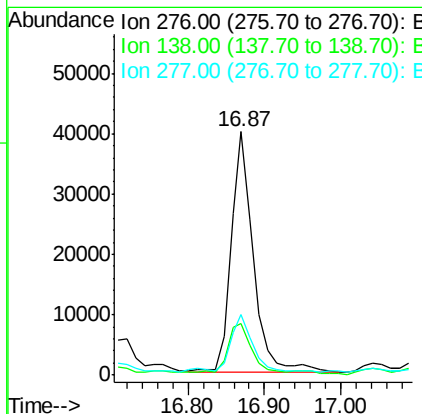
RT: 16.87 min Scan# 1289

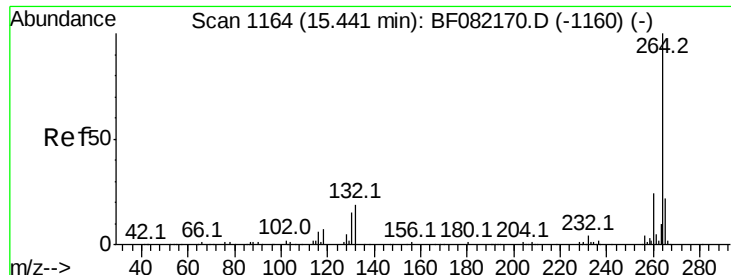
Delta R.T. 0.01 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion:	276	Resp:	80590
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.7	29.5
277	23.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Instrument :

BNA_F

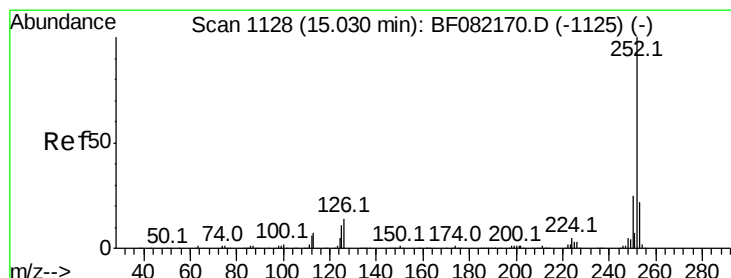
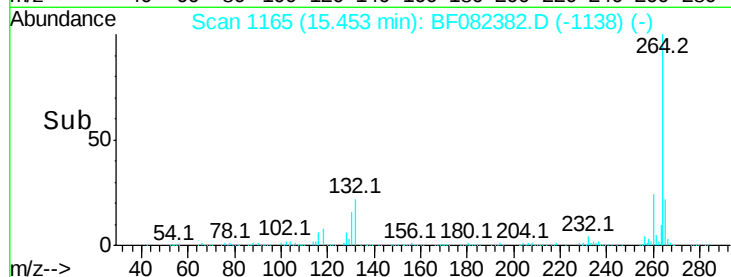
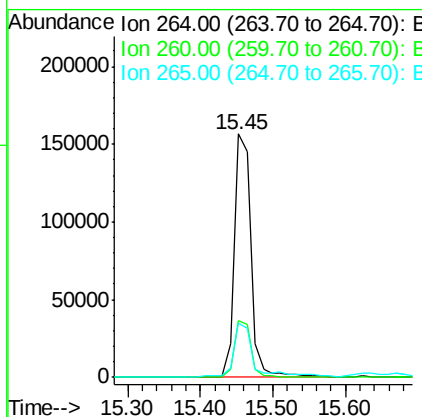
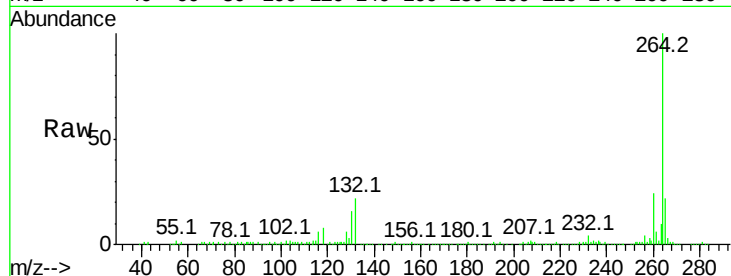
ClientSampleId :

TK1-6-20151015RE

Tot Ion:	264	Resp:	249597
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	22.0	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 12.26 ng m

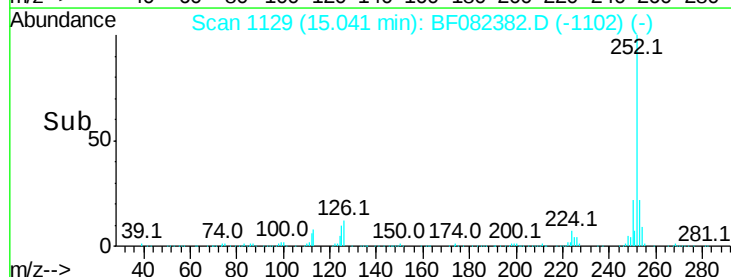
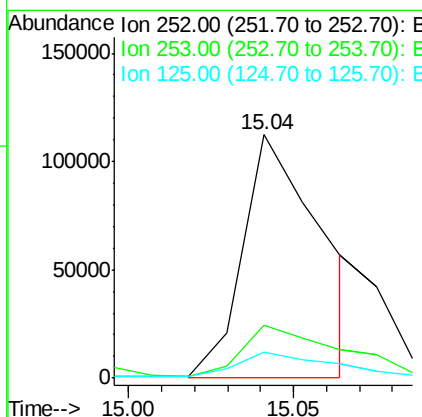
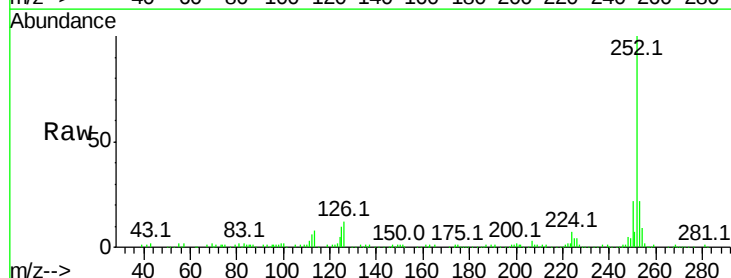
RT: 15.04 min Scan# 1129

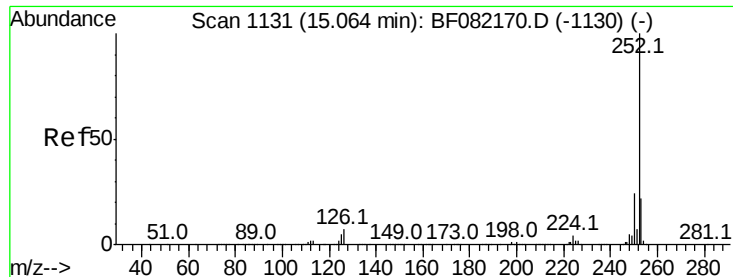
Delta R.T. 0.01 min

Lab File: BF082382.D

Acq: 20 Oct 2015 5:02

Tgt Ion:	252	Resp:	186151
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	10.5	8.6	12.8





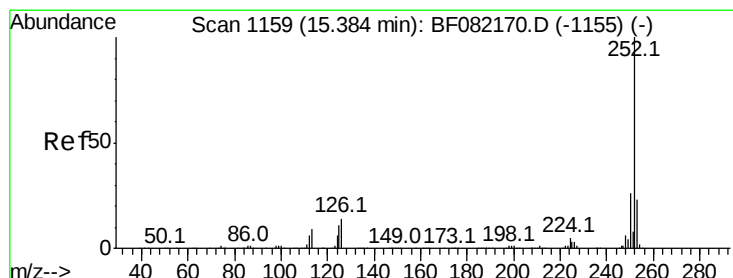
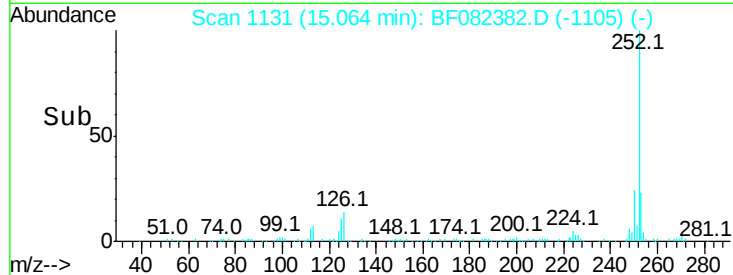
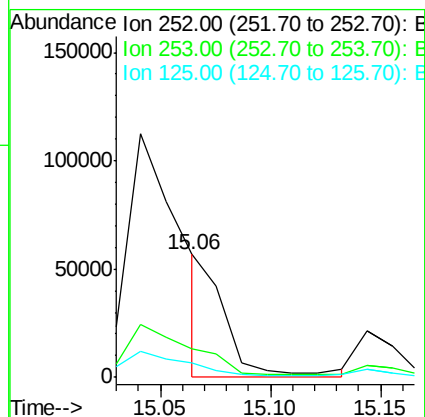
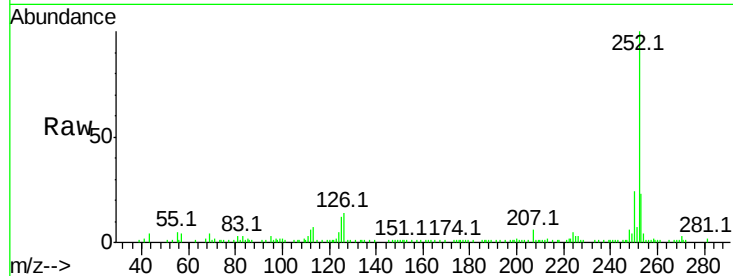
#88
Benzo(k)fluoranthene
Concen: 3.23 ng m
RT: 15.06 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF082382.D
Acq: 20 Oct 2015 5:02

Instrument :
BNA_F
ClientSampleId :
TK1-6-20151015RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	41168		
253	23.3	17.8	26.6	
125	11.8	6.7	10.1	

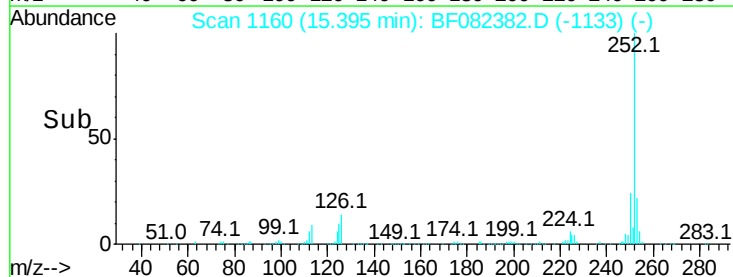
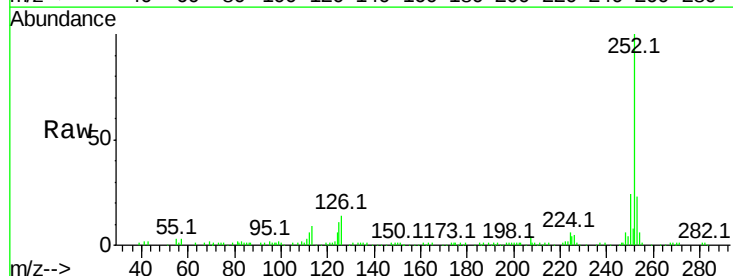
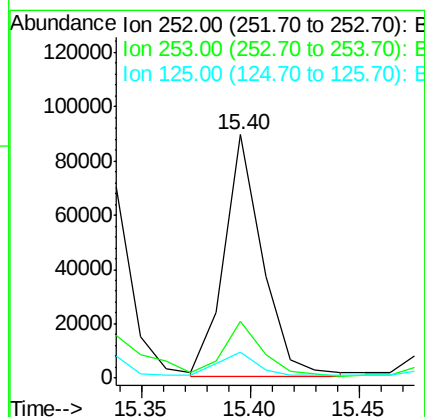
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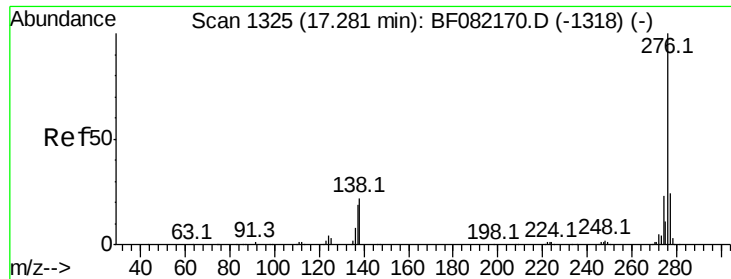
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#89
Benzo(a)pyrene
Concen: 8.30 ng
RT: 15.40 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BF082382.D
Acq: 20 Oct 2015 5:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	108371		
253	23.1	18.2	27.2	
125	10.7	8.9	13.3	





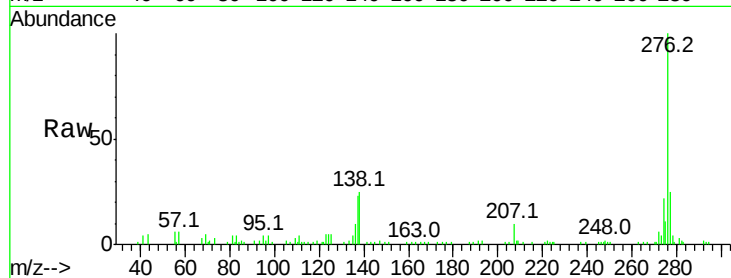
#91
 Benzo(a,h,i)perylene
 Concen: 7.63 ng
 RT: 17.29 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF082382.D
 Acq: 20 Oct 2015 5:02

Instrument :
 BNA_F
 ClientSampleId :
 TK1-6-20151015RE

Tot Ion:	276	Resp:	79287
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	24.6	17.4	26.2

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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

