

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

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 5:32:09 PM

Quant Time: Oct 17 01:32:42 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						Qvalue
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	39881m	2.95	ng	
89) Benzo(a)pyrene	15.65	252	30888	2.66	ng	96
91) Benzo(g,h,i)perylene	17.61	276	24361	2.63	ng	95

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

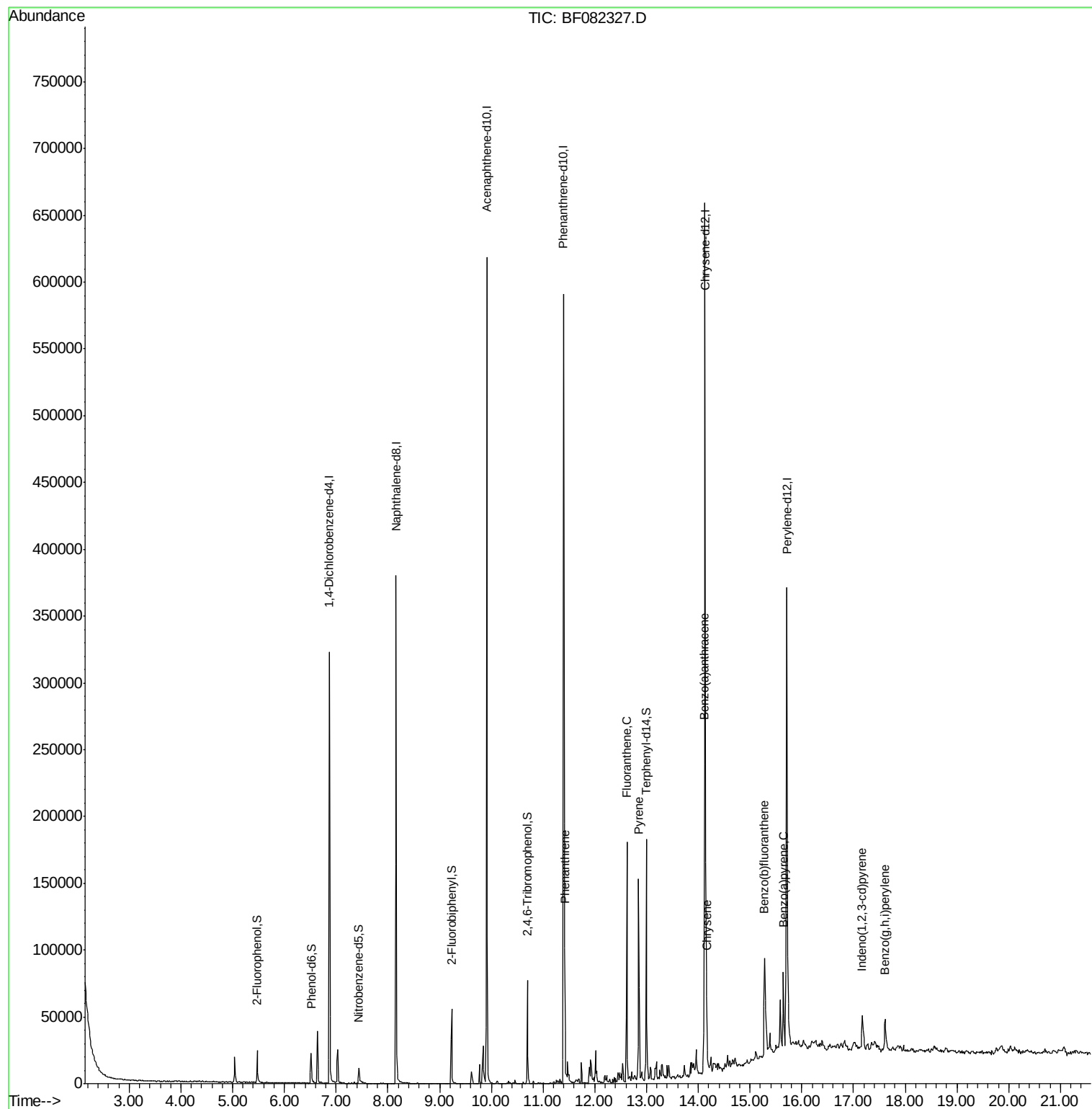
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082327.D
Acq On : 16 Oct 2015 15:54
Operator : UM/IZ
Sample : G4051-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

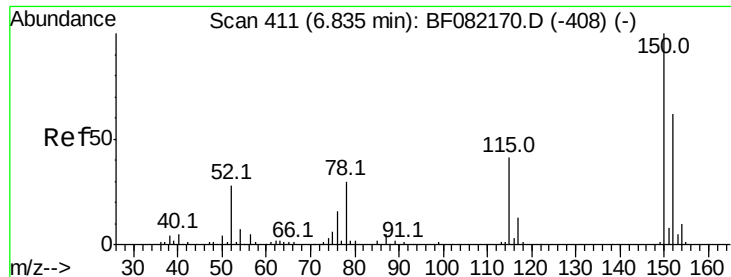
Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

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10/19/2015 5:32:09 PM

Quant Time: Oct 17 01:32:42 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





#1

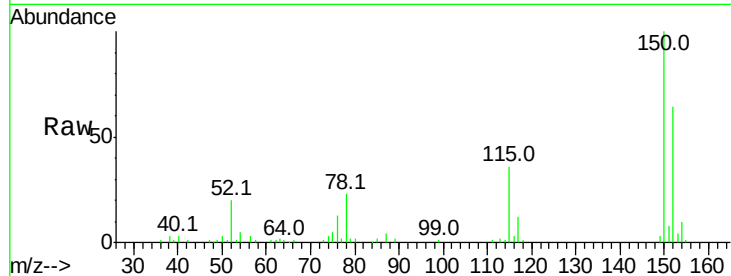
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 414
Delta R.T. 0.03 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

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

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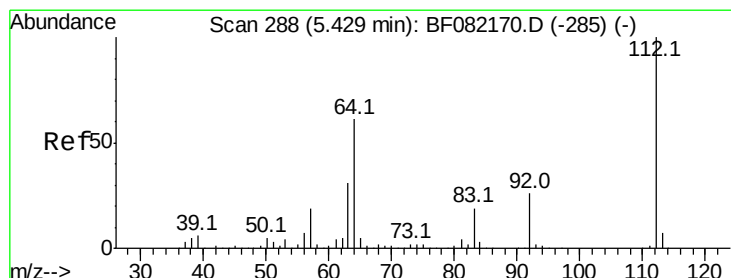
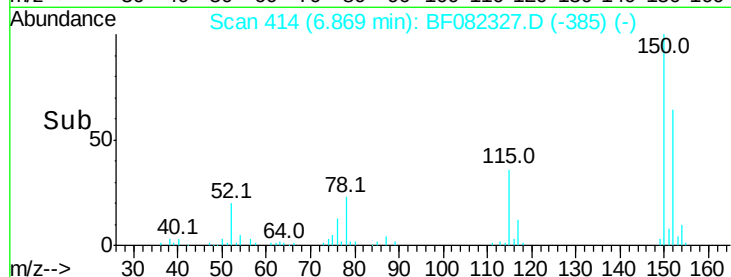
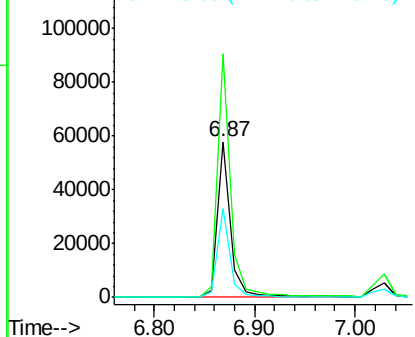


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

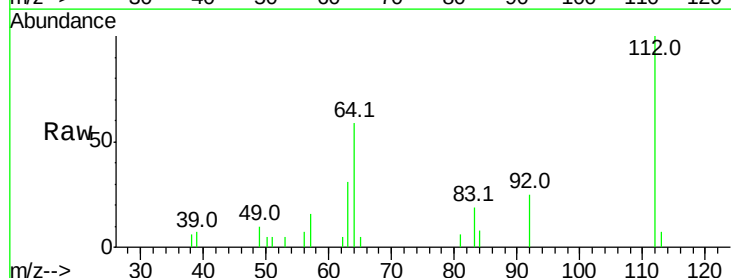
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	58.9	48.6	73.0
63	30.5	25.1	37.7

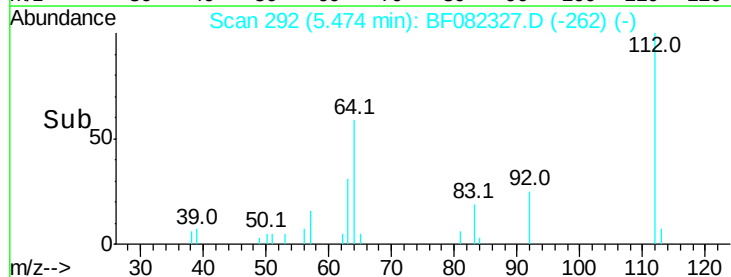
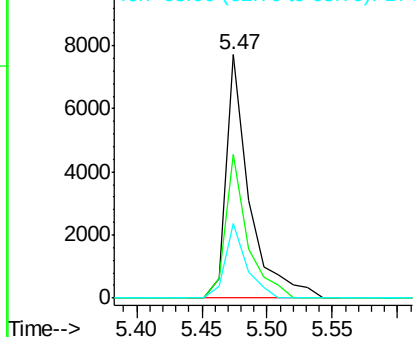


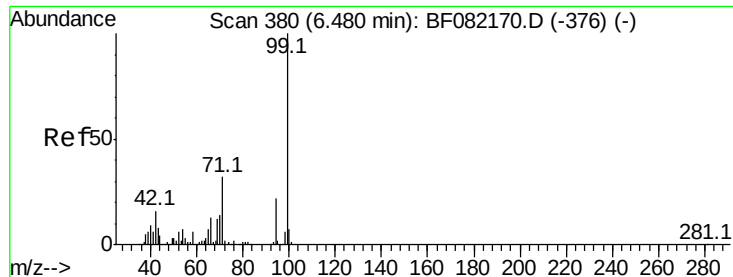
Abundance

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

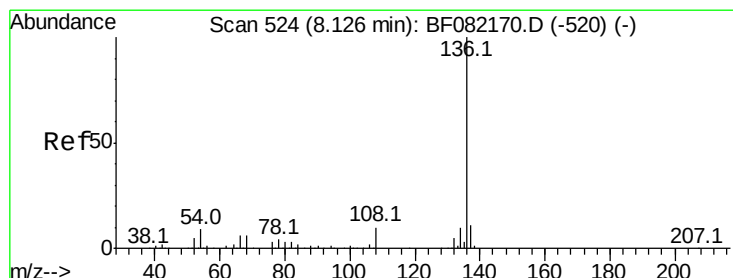
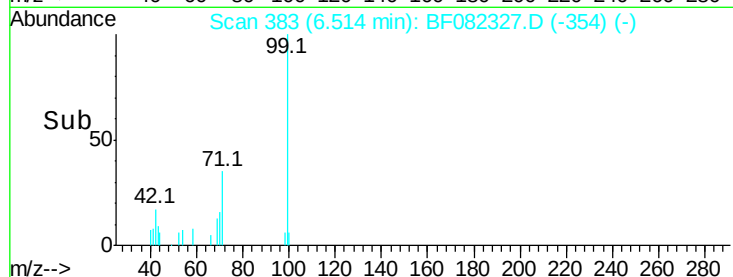
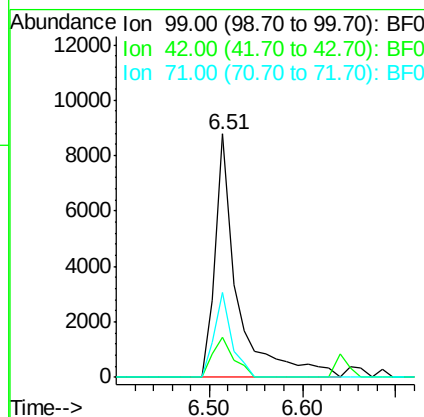
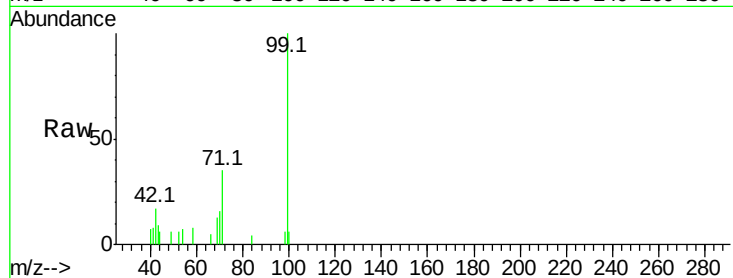
ClientSampleId :

TK1-1-20151015

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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

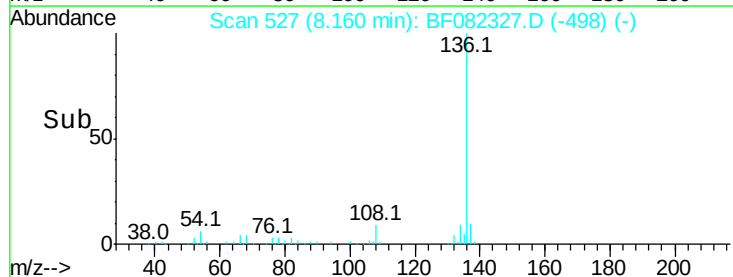
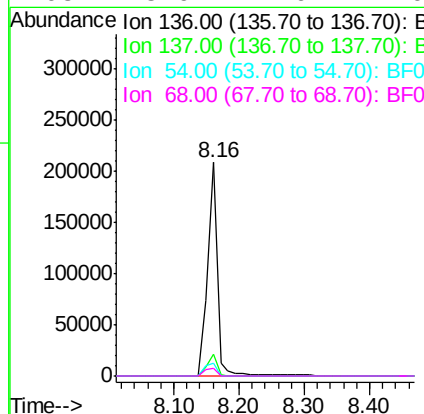
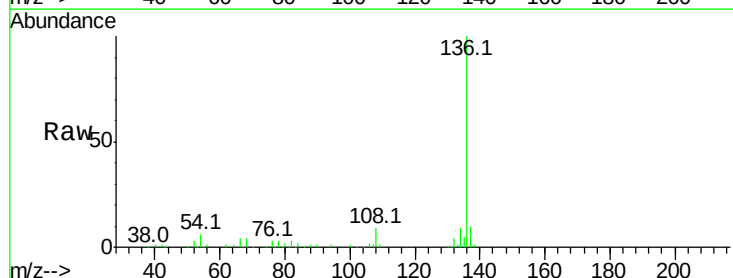
RT: 8.16 min Scan# 527

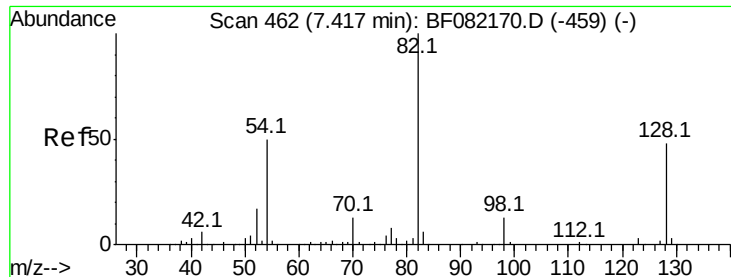
Delta R.T. 0.03 min

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#





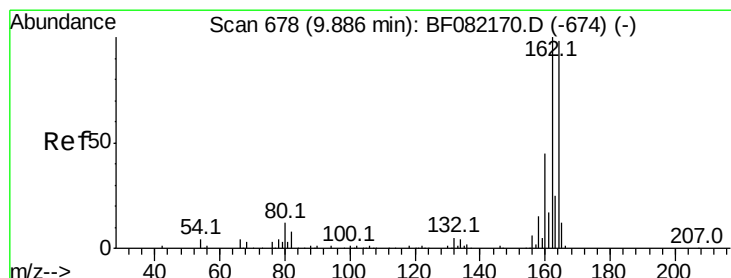
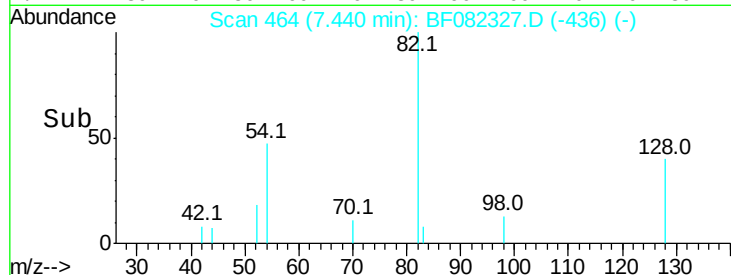
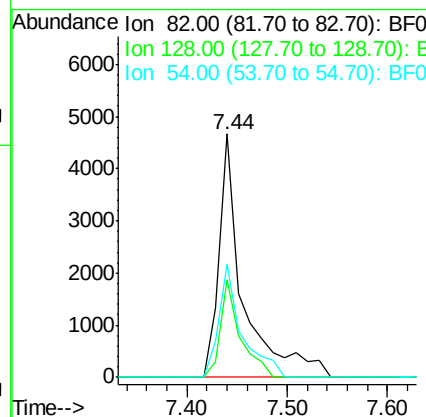
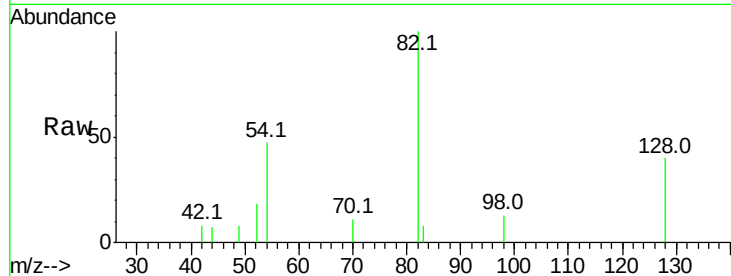
#23
 Nitrobenzene-d5
 Concen: 2.42 ng
 RT: 7.44 min Scan# 464
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

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

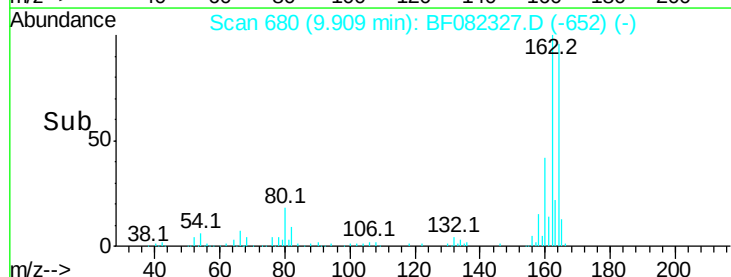
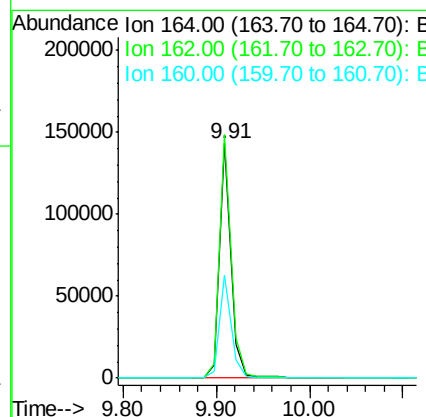
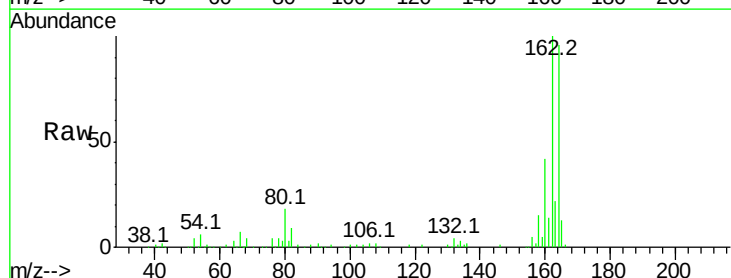
Manual Integrations
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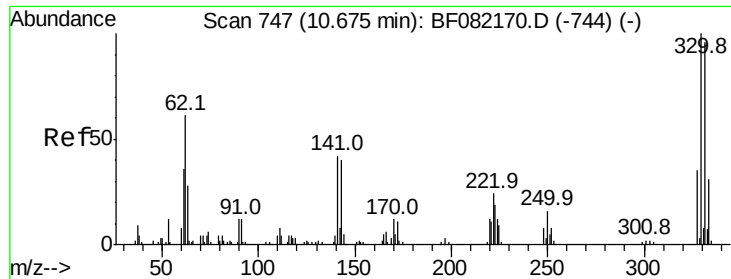
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

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





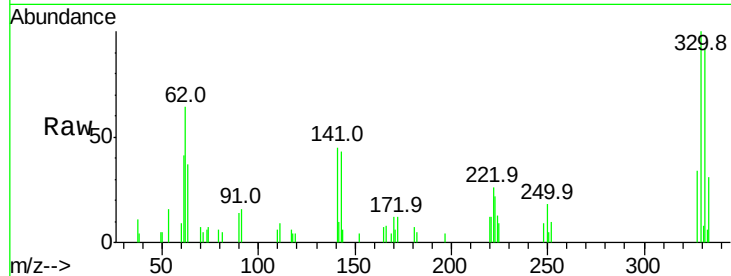
#41
 2,4,6-Tribromophenol
 Concen: 9.05 ng
 RT: 10.70 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

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

Manual Integrations
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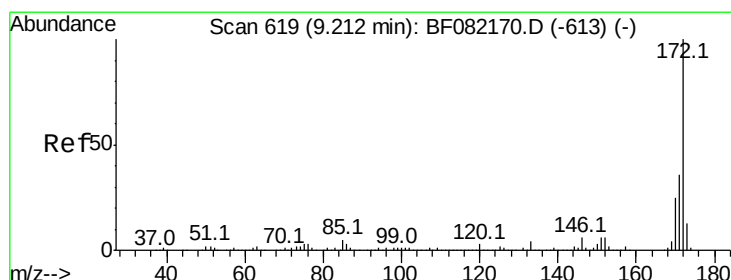
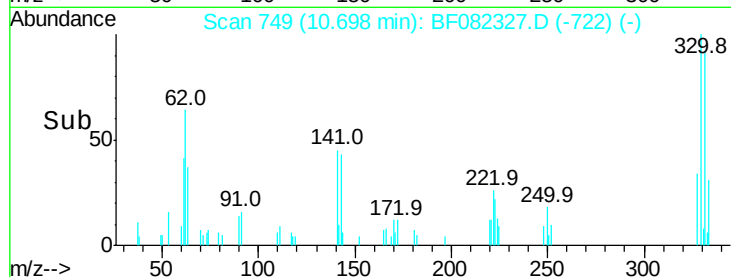
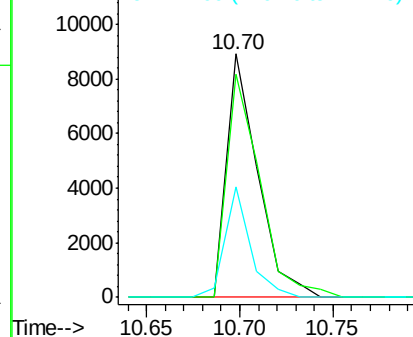


Abundance

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: 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

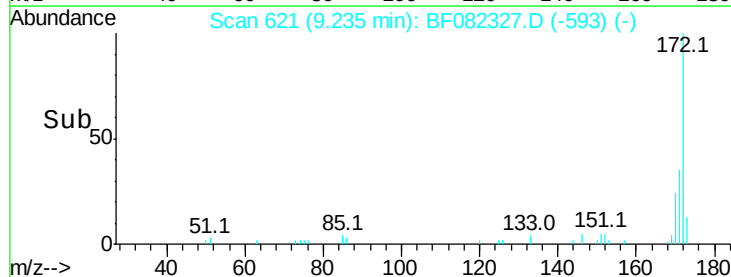
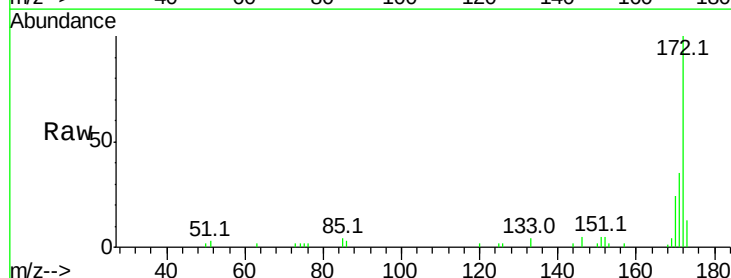
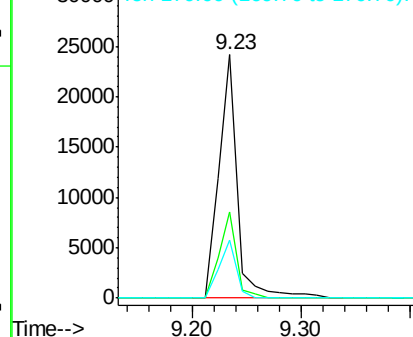
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	28762		
171	35.3		28.6	42.8
170	24.0		19.7	29.5

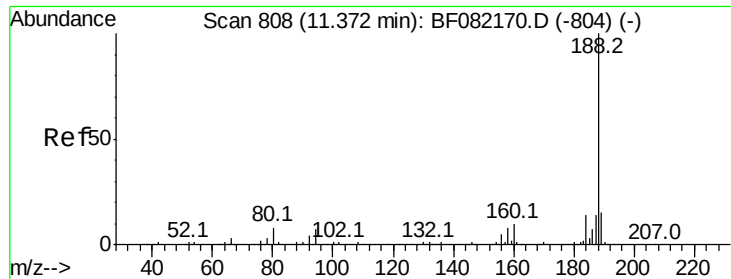
Abundance

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





#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

Instrument :

BNA_F

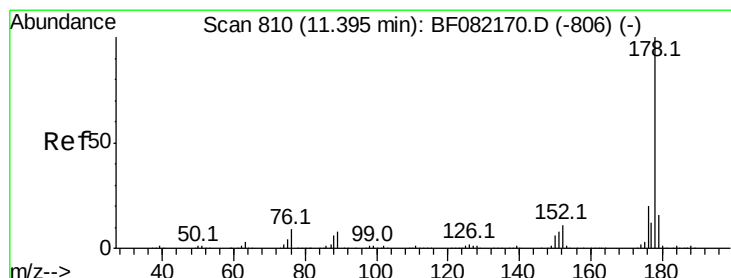
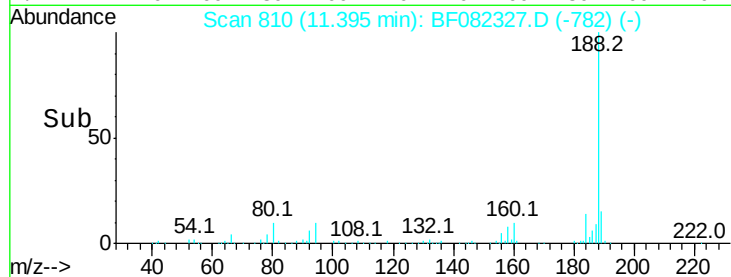
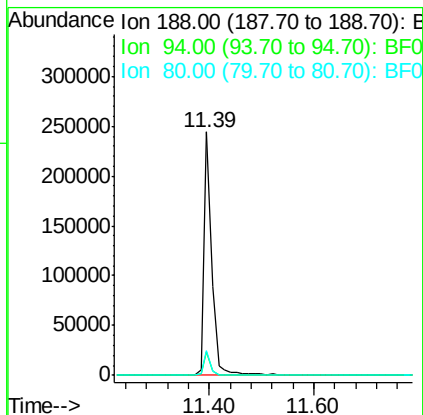
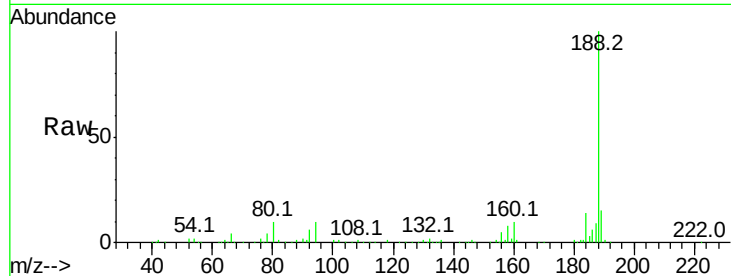
ClientSampleId :

TK1-1-20151015

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#

Manual Integrations
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#70

Phenanthrene

Concen: 3.08 ng

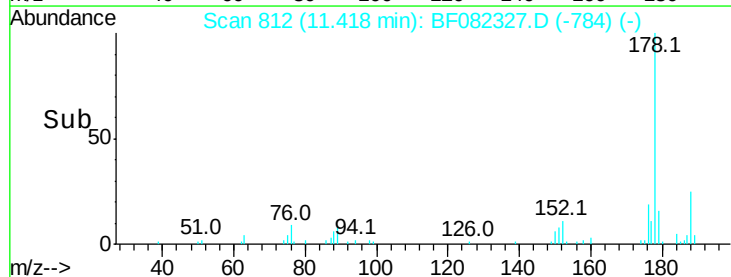
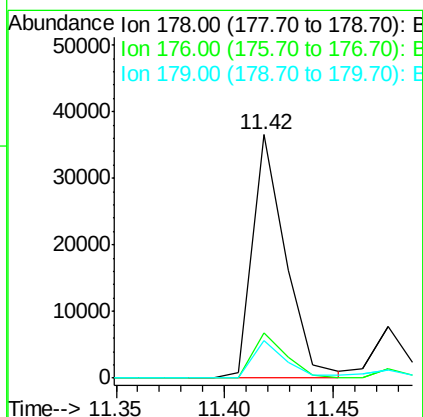
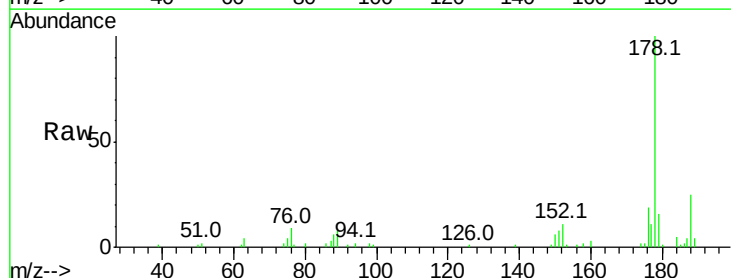
RT: 11.42 min Scan# 812

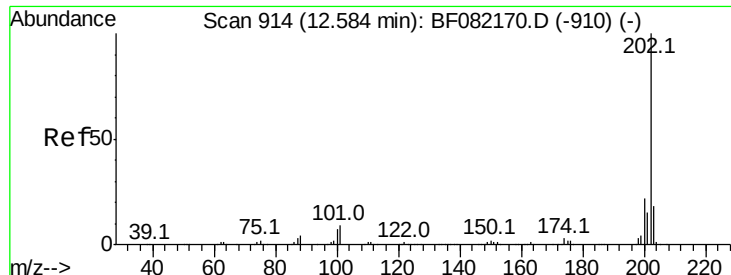
Delta R.T. 0.02 min

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





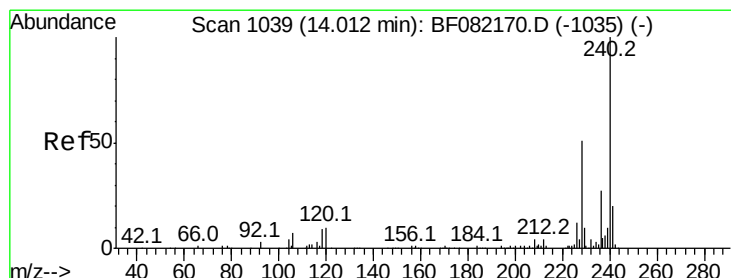
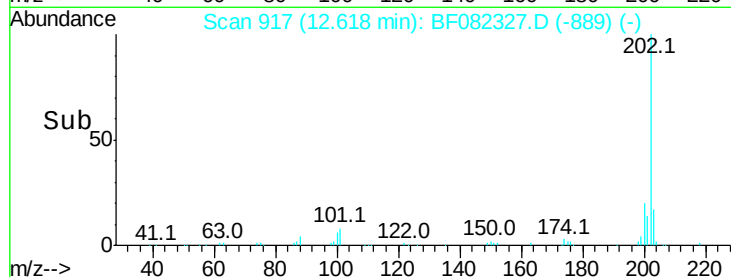
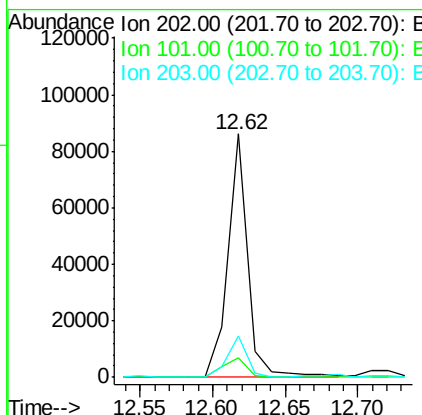
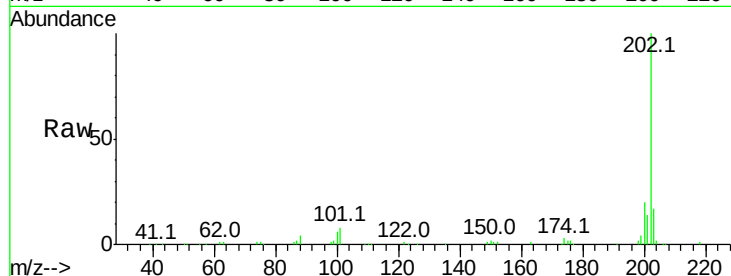
#74
 Fluoranthene
 Concen: 6.07 ng
 RT: 12.62 min Scan# 917
 Delta R.T. 0.02 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015

Tot Ion:	202	Resp:	82035
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	29.3
203	17.2	0.0	37.8

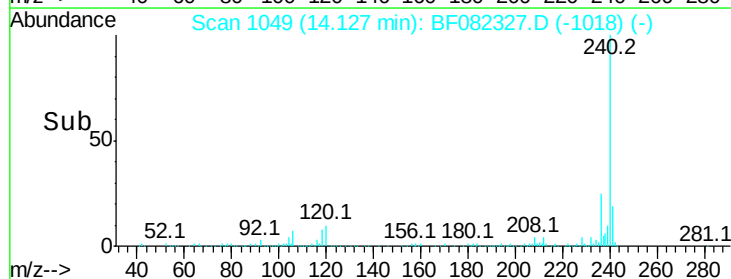
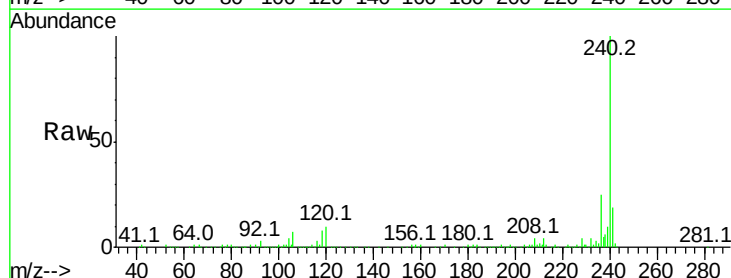
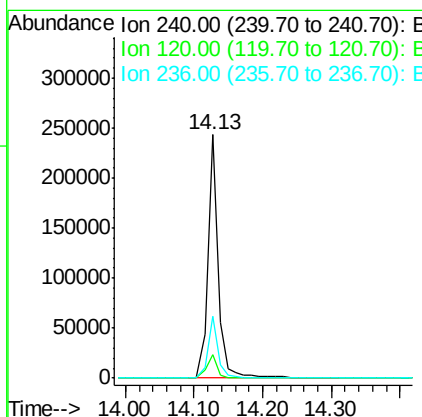
Manual Integrations
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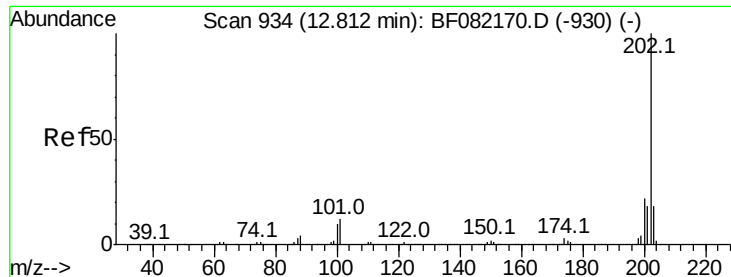
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1049
 Delta R.T. 0.06 min
 Lab File: BF082327.D
 Acq: 16 Oct 2015 15:54

Tgt Ion:	240	Resp:	257847
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.1	12.1
236	25.5	21.3	31.9





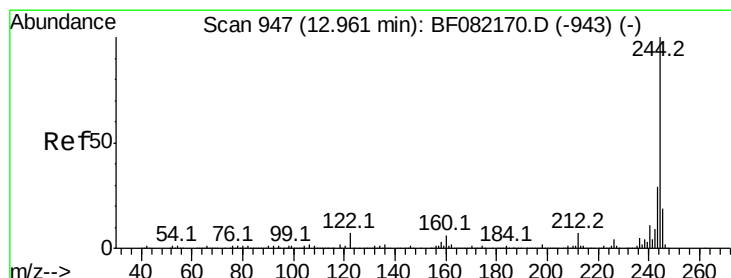
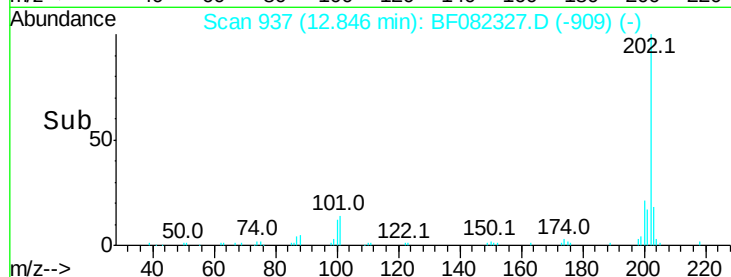
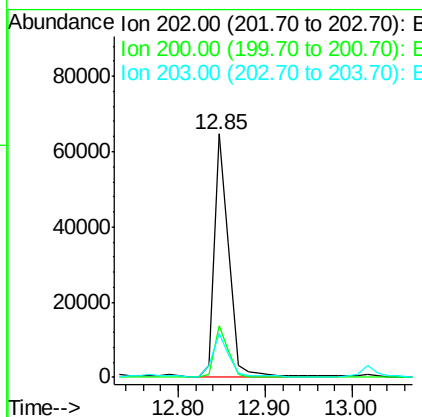
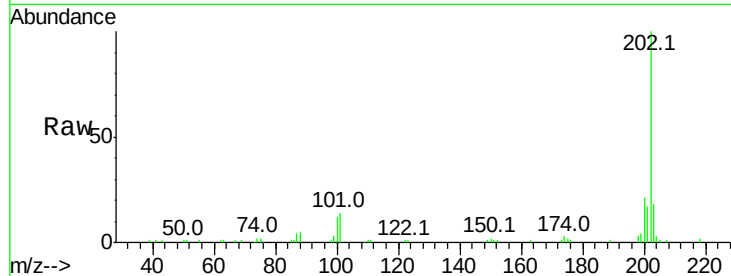
#77
Pvrene
Concen: 5.08 ng
RT: 12.85 min Scan# 937
Delta R.T. 0.02 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

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

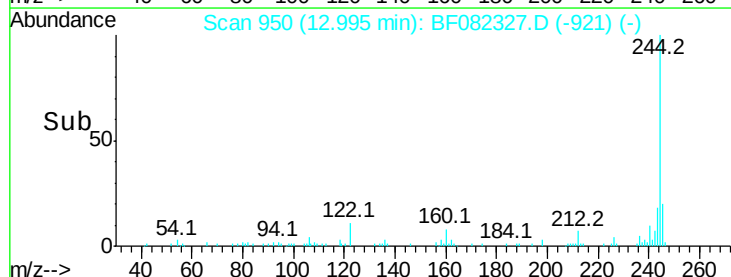
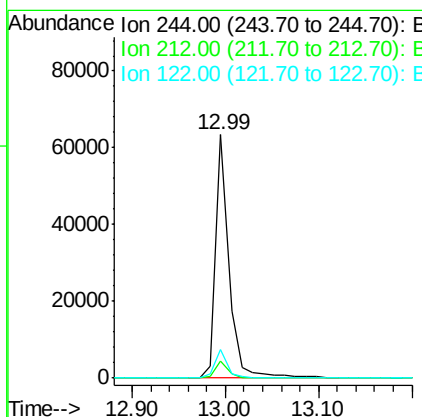
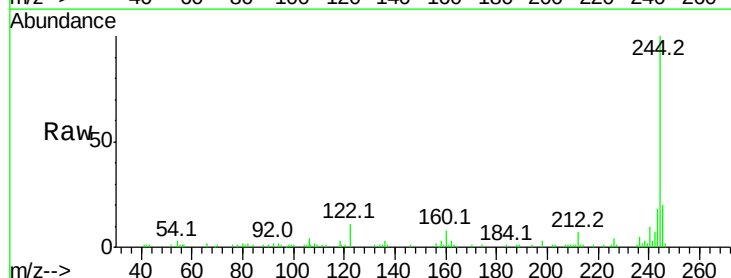
Manual Integrations
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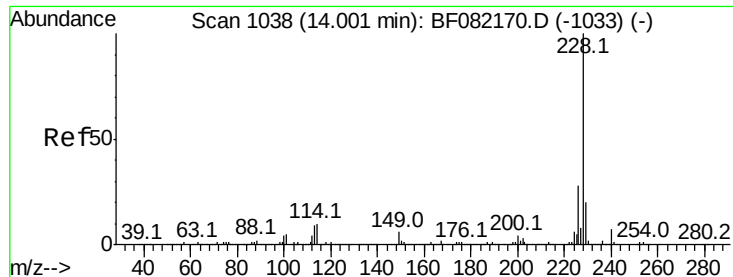
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#78
Terphenyl-d14
Concen: 6.51 ng
RT: 12.99 min Scan# 950
Delta R.T. 0.03 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

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





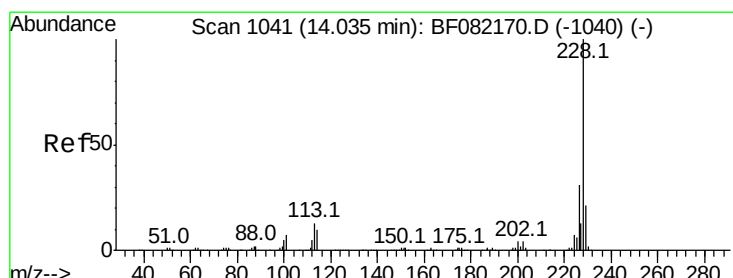
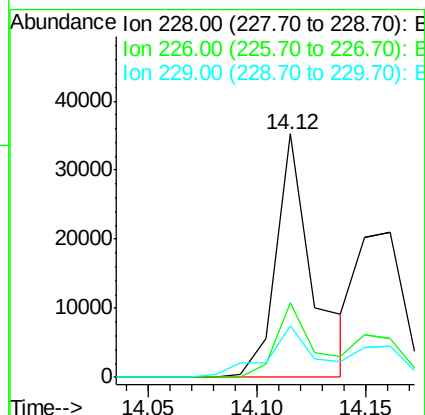
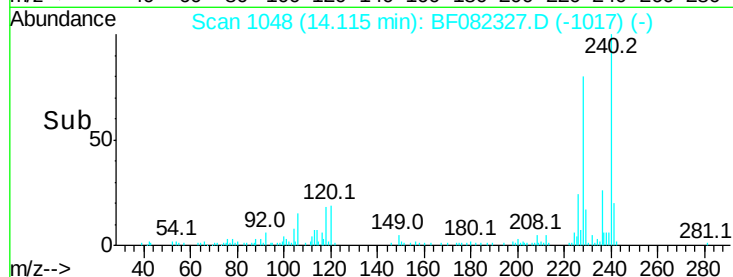
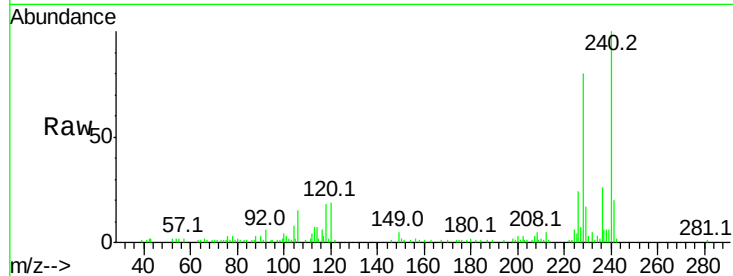
#80
Benzo(a)anthracene
Concen: 3.10 ng
RT: 14.12 min Scan# 1048
Delta R.T. 0.06 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.3	33.5
229	21.0	16.2	24.2

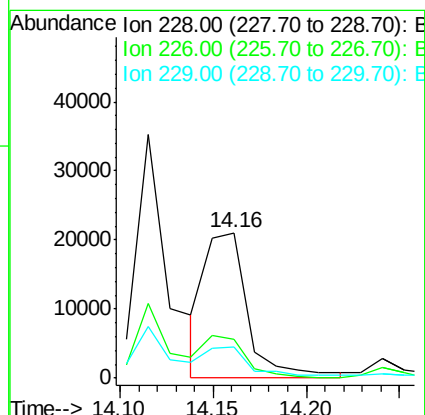
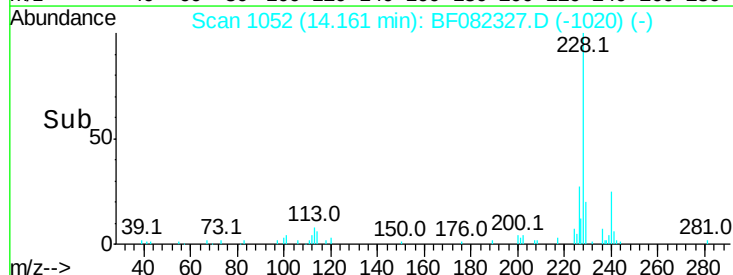
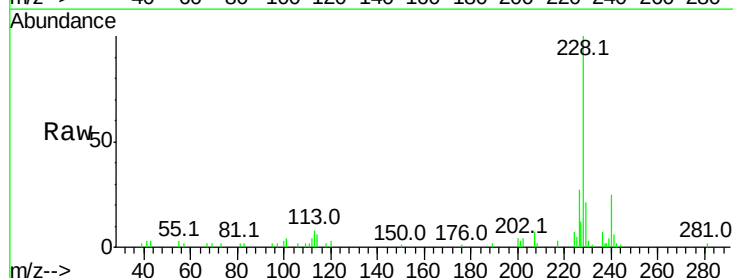
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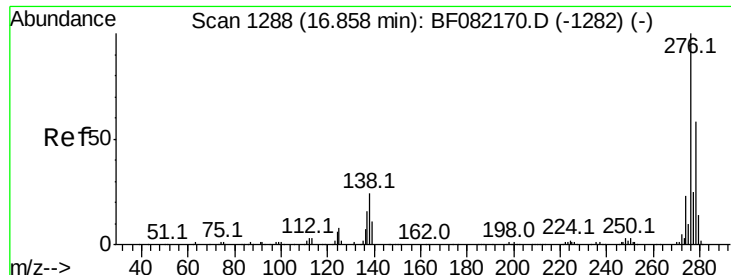
MMdadoda
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#82
Chrysene
Concen: 2.40 ng
RT: 14.16 min Scan# 1052
Delta R.T. 0.07 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	24.4	36.6
229	21.2	16.3	24.5





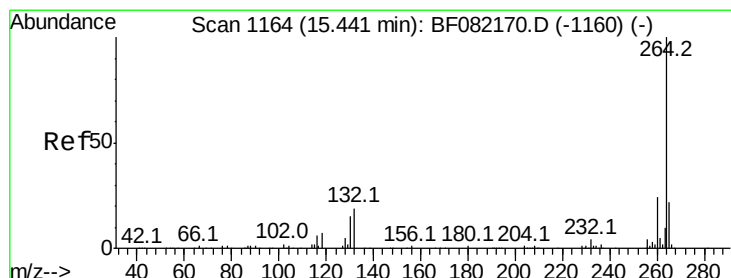
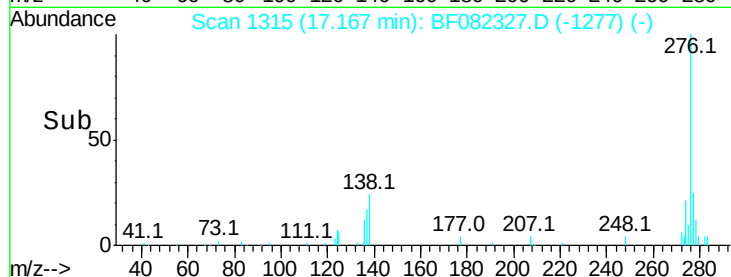
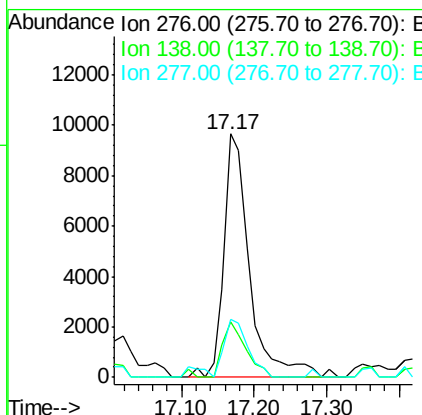
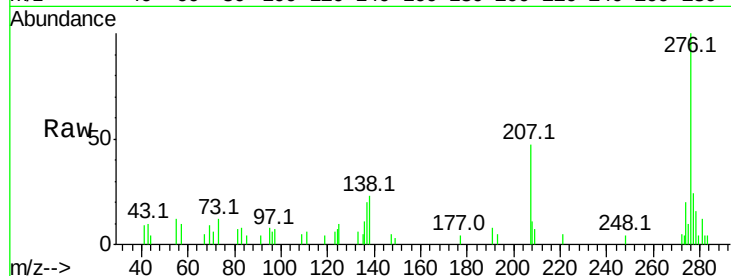
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.13 ng
RT: 17.17 min Scan# 1315
Delta R.T. 0.14 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

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

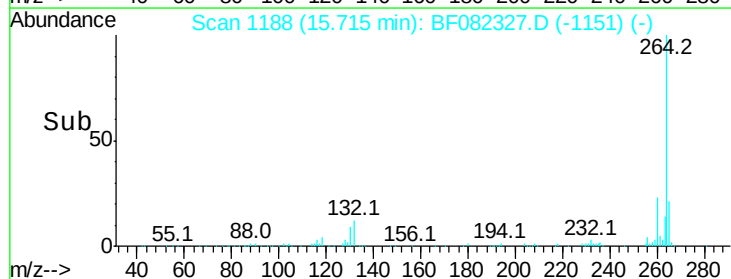
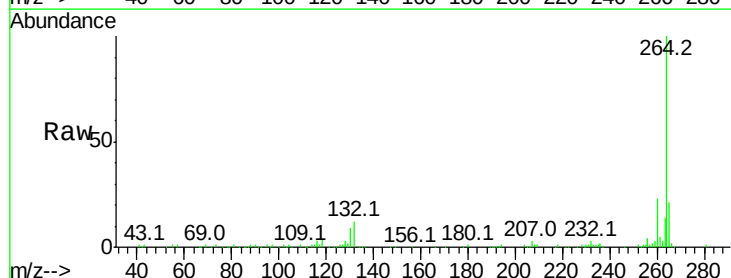
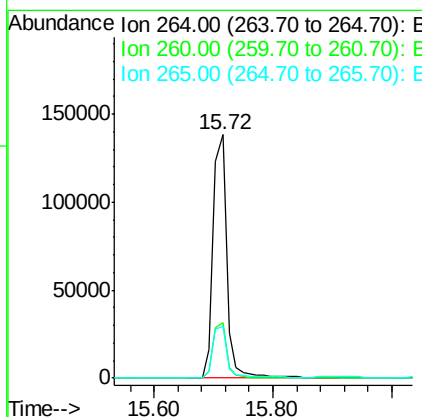
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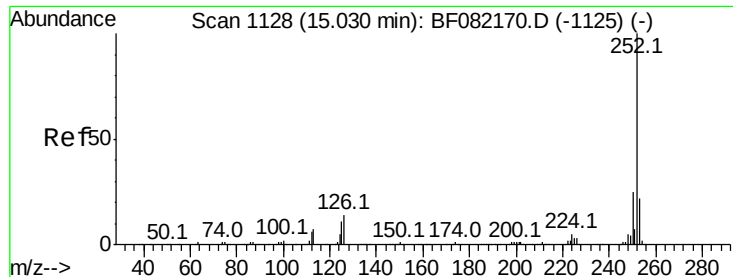
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.72 min Scan# 1188
Delta R.T. 0.13 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

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





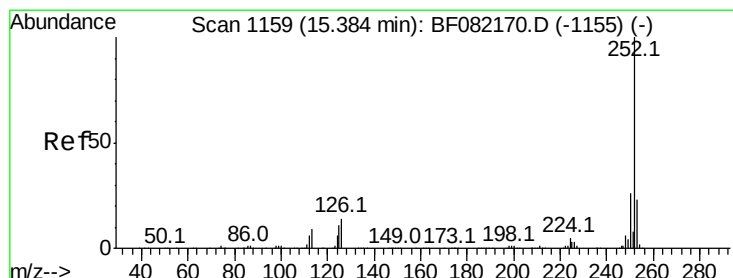
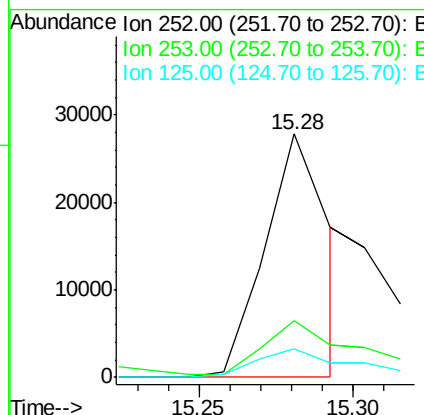
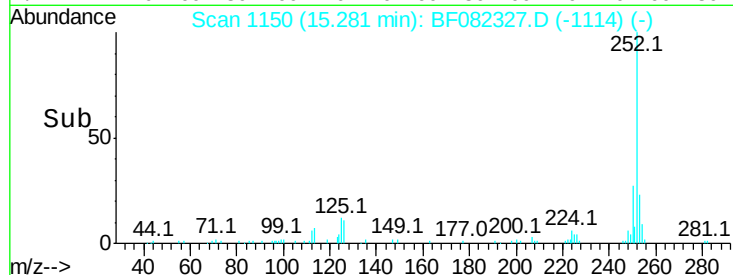
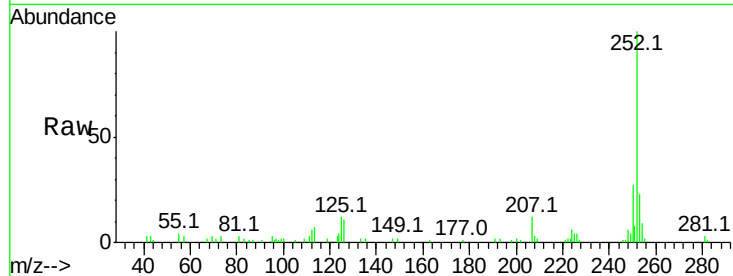
#87
Benzo(b)fluoranthene
Concen: 2.95 ng/mL
RT: 15.28 min Scan# 1150
Delta R.T. 0.11 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015

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

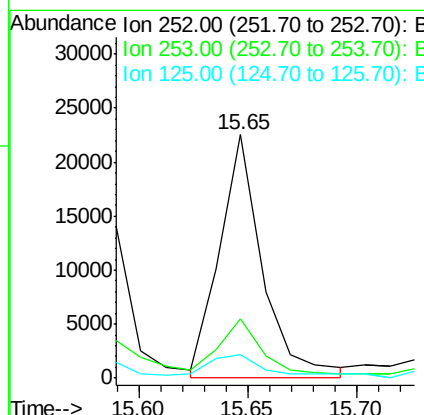
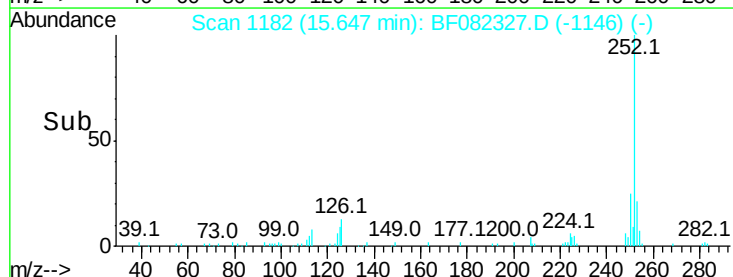
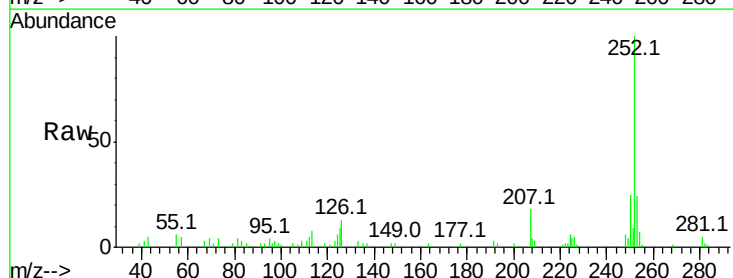
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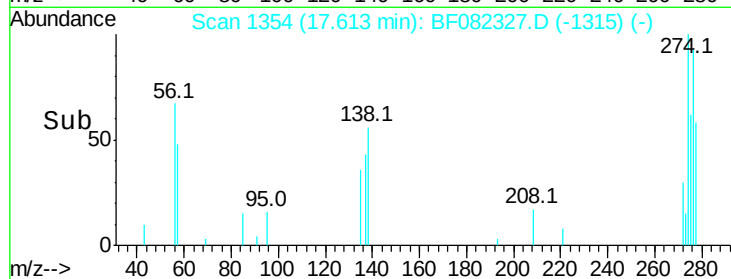
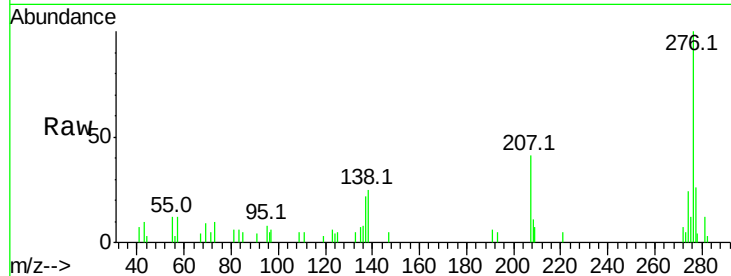
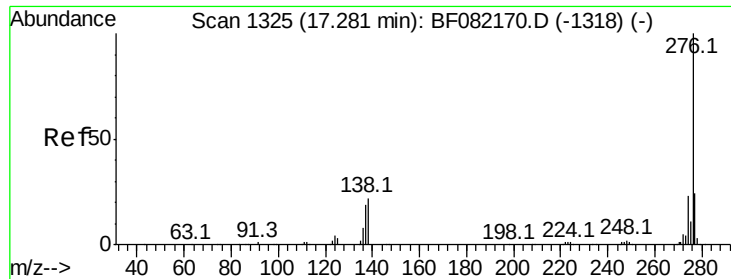
MMdadoda
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#89
Benzo(a)pyrene
Concen: 2.66 ng/mL
RT: 15.65 min Scan# 1182
Delta R.T. 0.11 min
Lab File: BF082327.D
Acq: 16 Oct 2015 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	18.2	27.2	
125	9.4	8.9	13.3	





#91

Benzo(a,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

Tot Ion:	276	Resp:	24361
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.8	28.2
138	24.7	17.4	26.2

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015

Manual Integrations
APPROVED

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