

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082331.D
 Acq On : 16 Oct 2015 17:49
 Operator : UM/IZ
 Sample : G4051-05 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Manual Integrations
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Quant Time: Oct 17 06:53:47 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	6.89	152	51726	20.00	ng	0.06
21) Naphthalene-d8	8.18	136	237280	20.00	ng	0.06
38) Acenaphthene-d10	9.93	164	130452	20.00	ng	0.05
63) Phenanthrene-d10	11.42	188	273866	20.00	ng	0.05
75) Chrysene-d12	14.12	240	258530	20.00	ng	0.05
86) Perylene-d12	15.66	264	222750	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	33879	13.22	ng	0.07
7) Phenol-d6	6.54	99	42890	12.86	ng	0.06
23) Nitrobenzene-d5	7.46	82	27532	7.79	ng	0.05
41) 2,4,6-Tribromophenol	10.72	330	16404	13.41	ng	0.03
44) 2-Fluorobiphenyl	9.26	172	62123	7.90	ng	0.05
78) Terphenyl-d14	13.01	244	84657	8.68	ng	0.05
Target Compounds						Qvalue
70) Phenanthrene	11.44	178	190595	14.20	ng	98
71) Anthracene	11.50	178	43292	3.13	ng	99
74) Fluoranthene	12.63	202	239841	16.64	ng	96
77) Pyrene	12.87	202	214739	14.00	ng	97
80) Benzo(a)anthracene	14.10	228	93674m	6.96	ng	
82) Chrysene	14.14	228	100685m	7.10	ng	
85) Indeno(1,2,3-cd)pyrene	17.13	276	58174	5.16	ng	93
87) Benzo(b)fluoranthene	15.24	252	114105m	8.42	ng	
88) Benzo(k)fluoranthene	15.26	252	41105m	3.61	ng	
89) Benzo(a)pyrene	15.60	252	80005m	6.87	ng	
91) Benzo(g,h,i)perylene	17.58	276	62510	6.74	ng	97

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

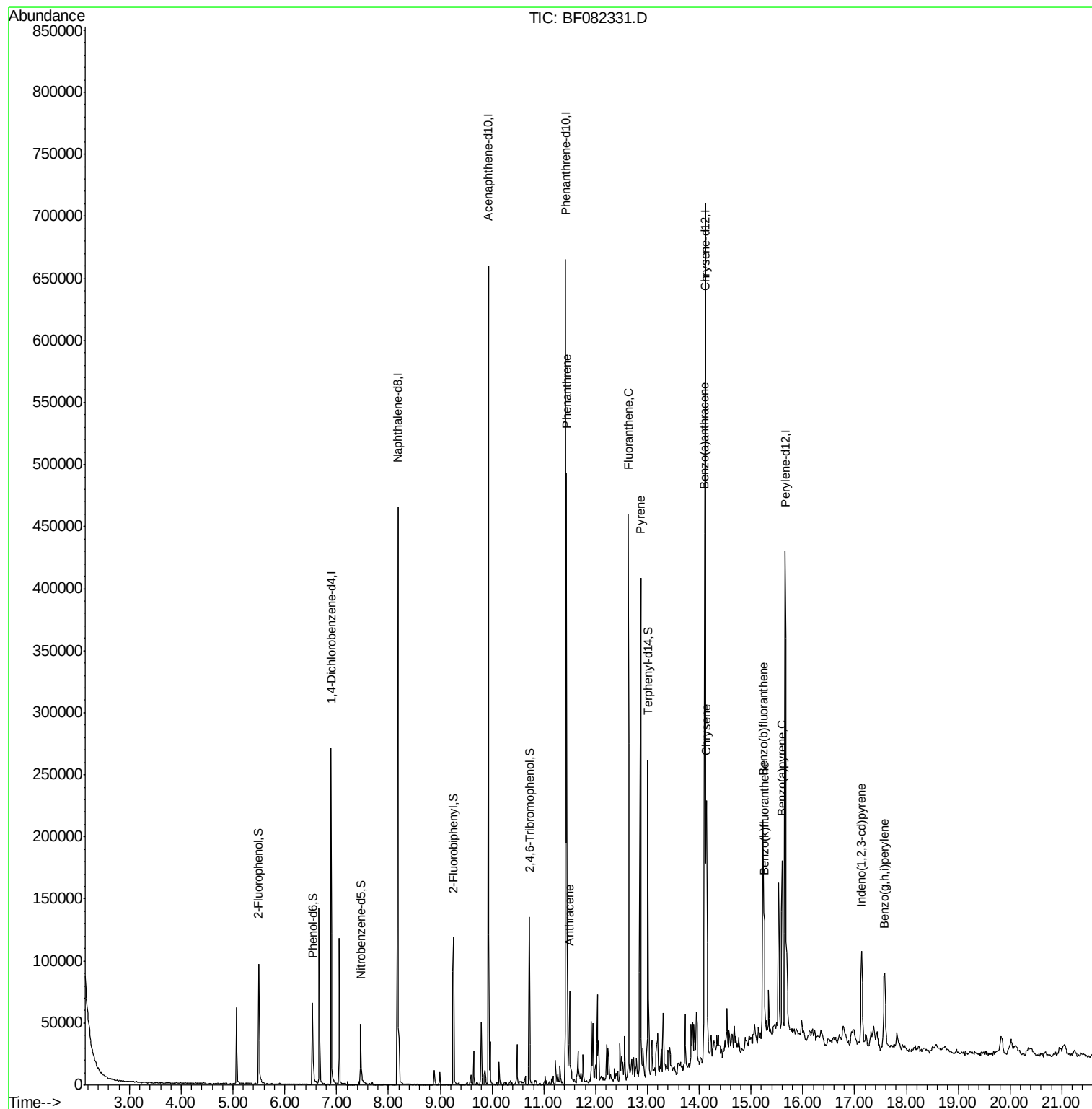
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082331.D
Acq On : 16 Oct 2015 17:49
Operator : UM/IZ
Sample : G4051-05 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

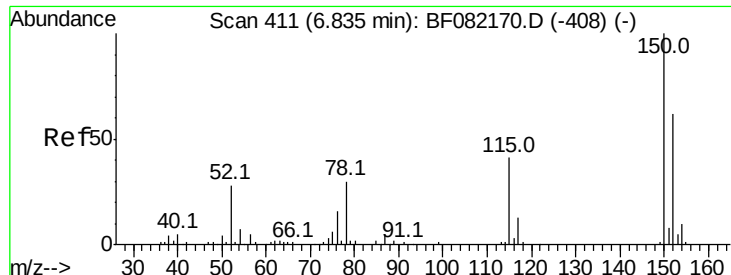
Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Manual Integrations
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Quant Time: Oct 17 06:53:47 2015
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Response via : Initial Calibration





#1

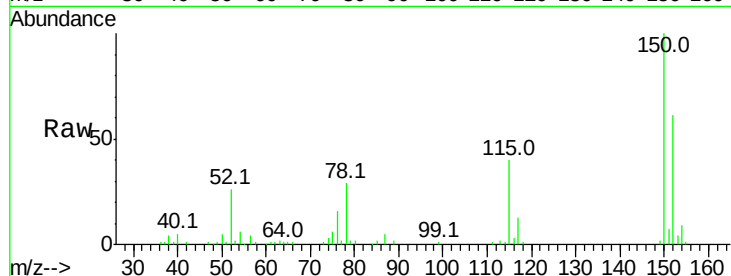
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. 0.06 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

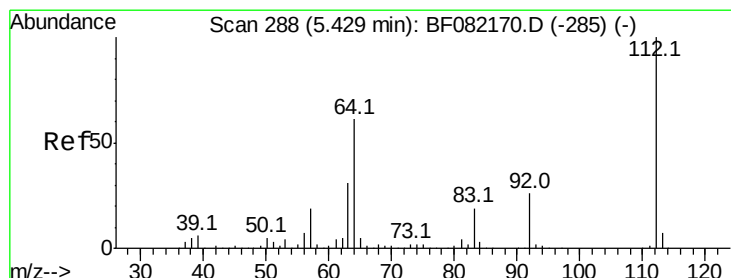
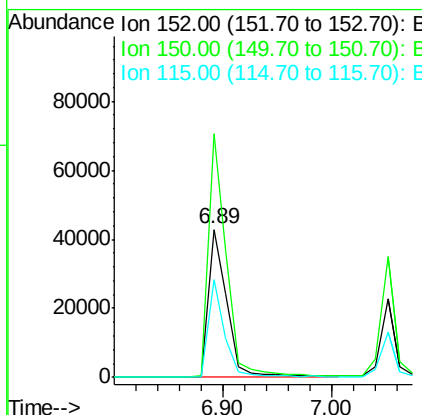
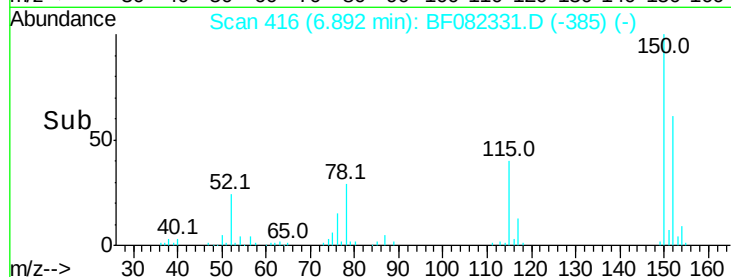
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	129.0	193.4
115	65.8	52.1	78.1

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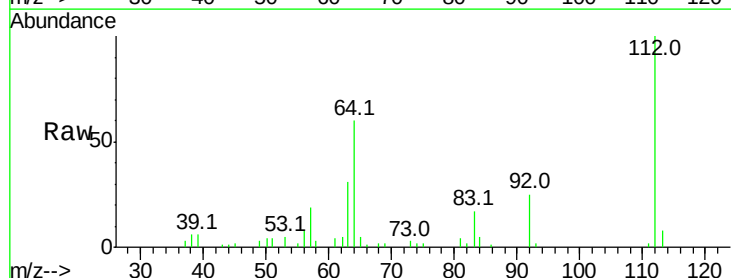
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



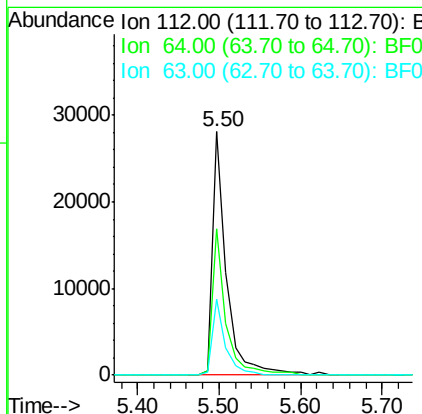
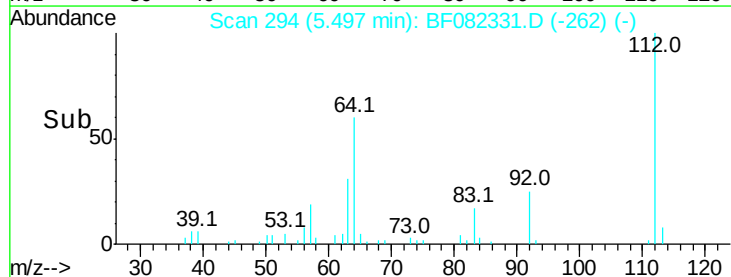
#5

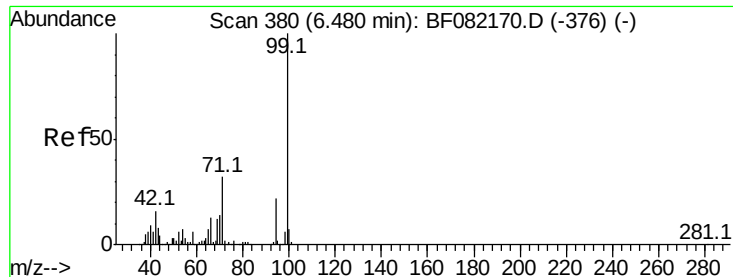
2-Fluorophenol
Concen: 13.22 ng
RT: 5.50 min Scan# 294
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.6	73.0
63	31.4	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: 12.86 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.06 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

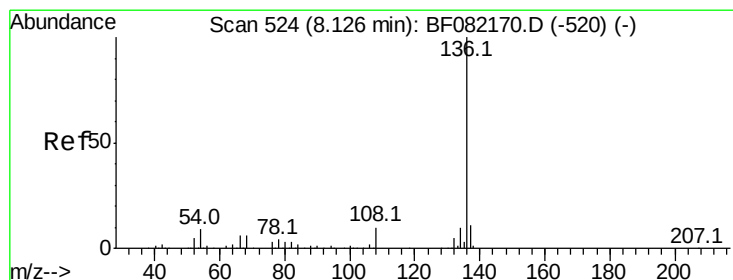
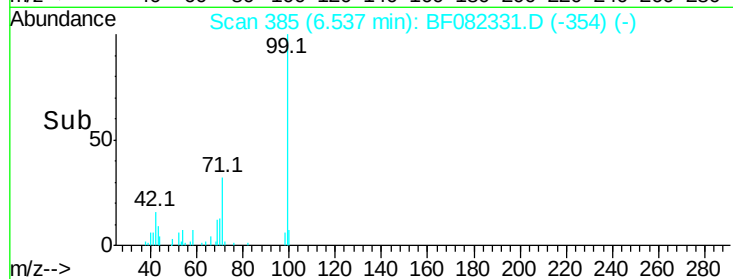
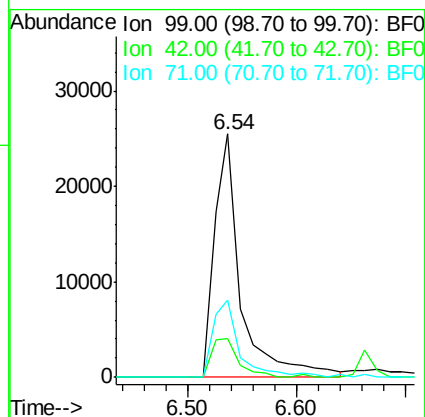
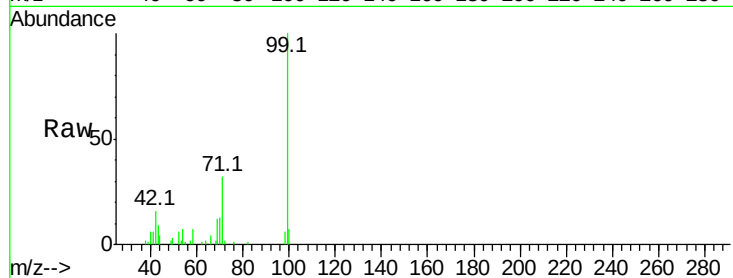
ClientSampleId :

TK1-4-20151015

Tot Ion:	99	Resp:	42890
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.2	19.8
71	31.8	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

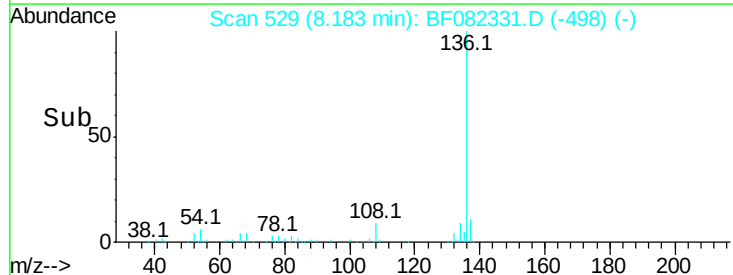
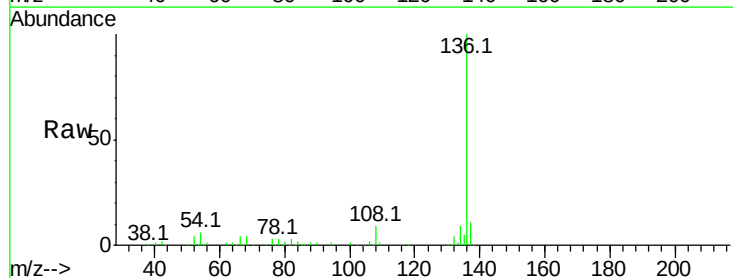
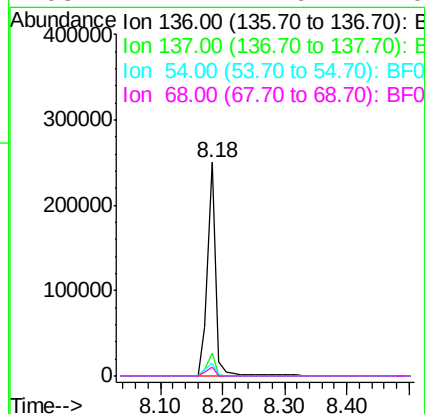
RT: 8.18 min Scan# 529

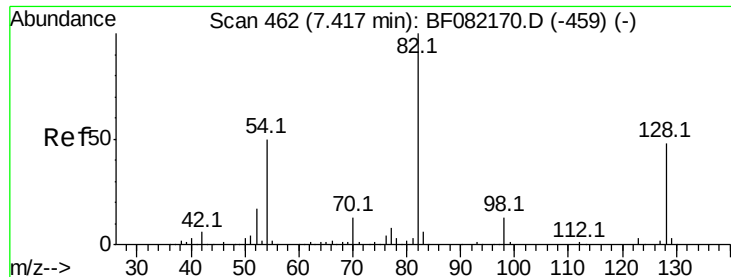
Delta R.T. 0.06 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Tgt Ion:	136	Resp:	237280
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	6.3	7.5	11.3#
68	4.4	4.6	7.0#





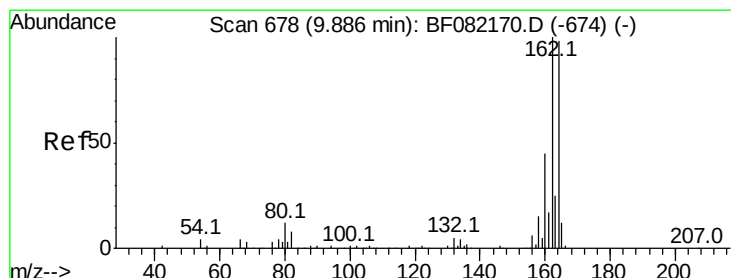
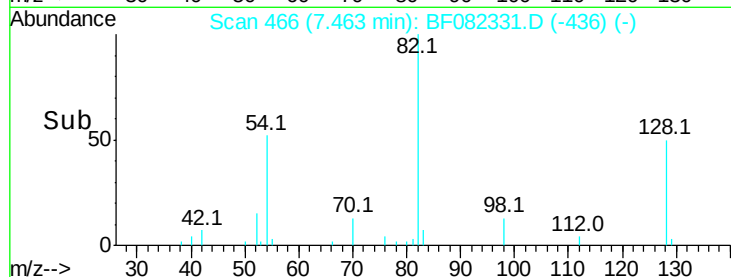
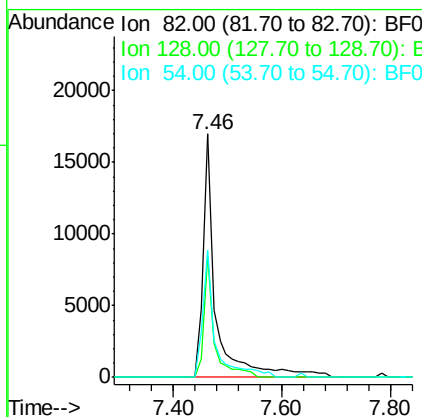
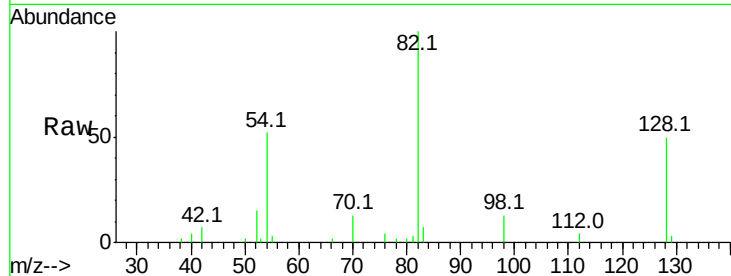
#23
Nitrobenzene-d5
Concen: 7.79 ng
RT: 7.46 min Scan# 466
Delta R.T. 0.05 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	38.7	58.1
54	52.0	40.1	60.1

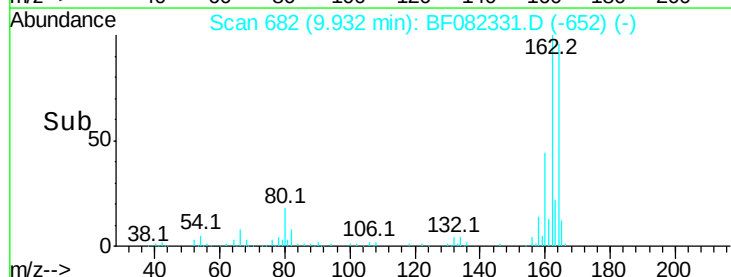
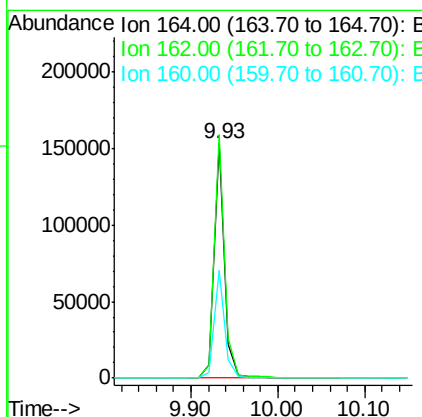
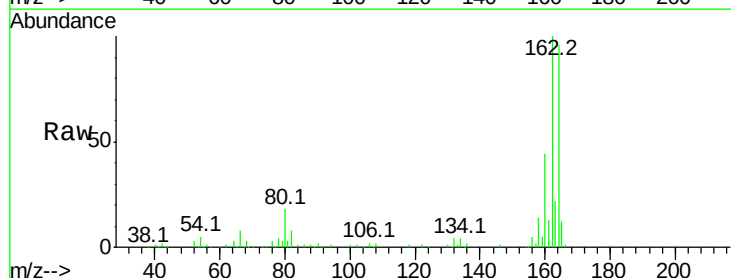
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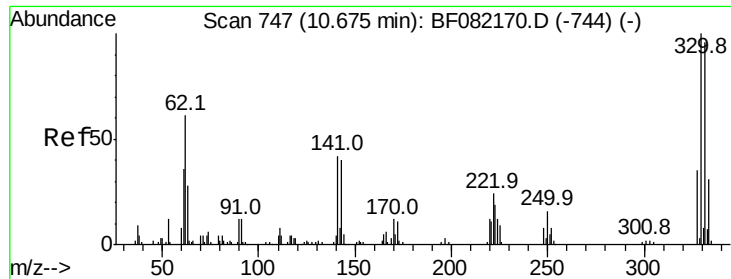
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. 0.05 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.6	122.4
160	45.8	36.4	54.6





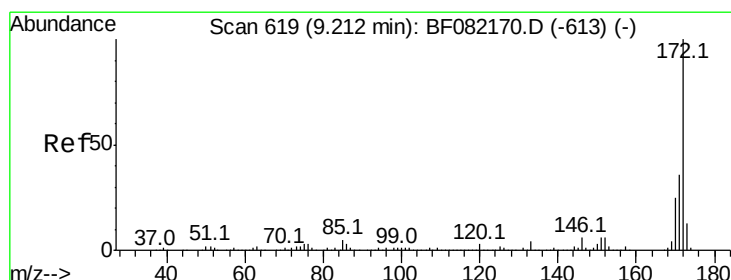
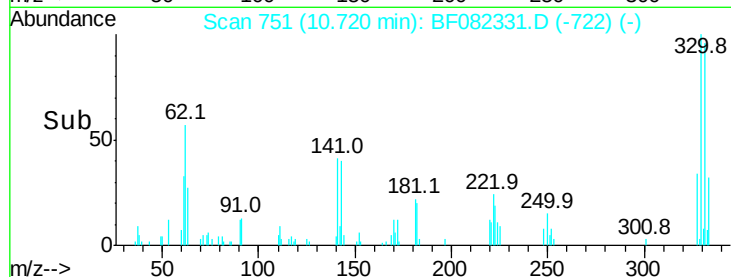
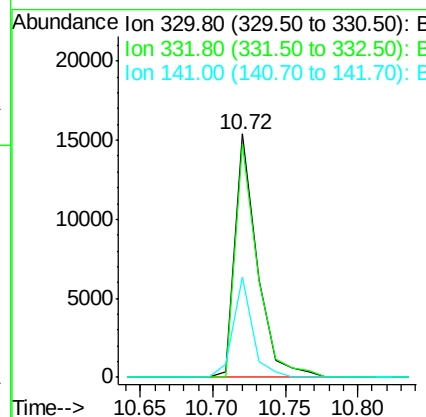
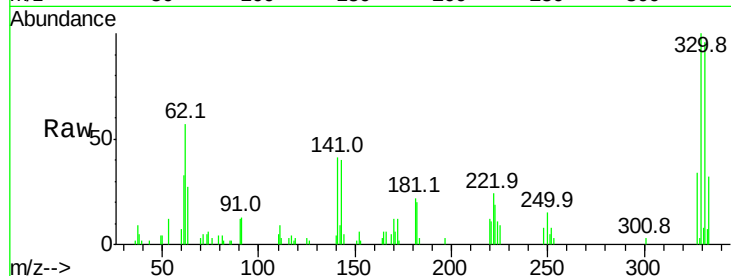
#41
 2,4,6-Tribromophenol
 Concen: 13.41 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	35.9	29.8	44.8

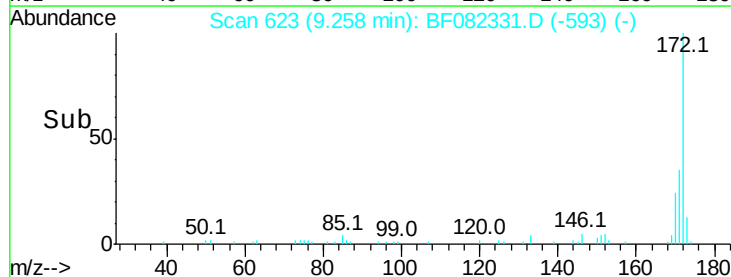
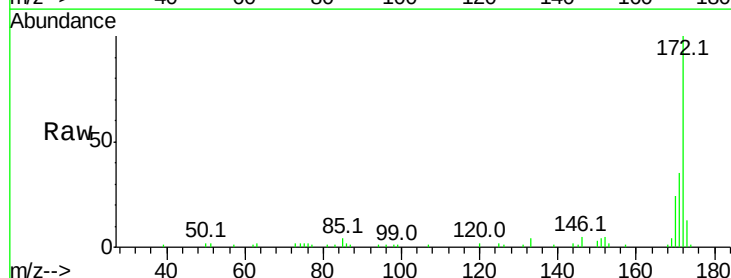
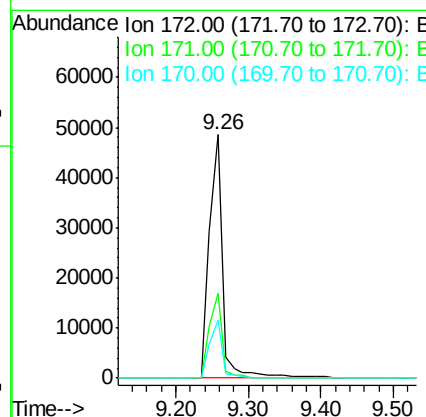
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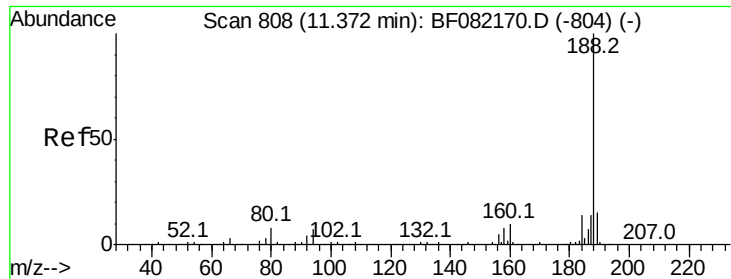
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#44
 2-Fluorobiphenyl
 Concen: 7.90 ng
 RT: 9.26 min Scan# 623
 Delta R.T. 0.05 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.9	19.7	29.5





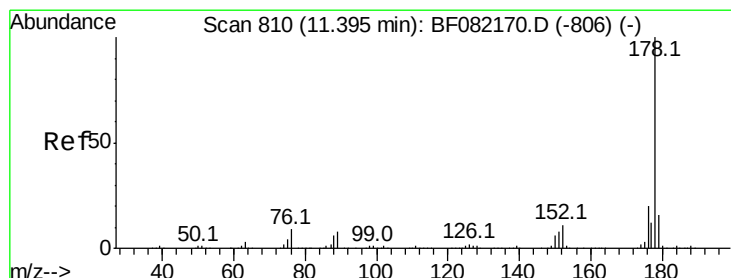
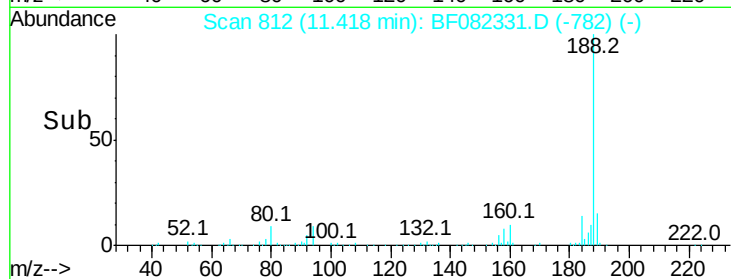
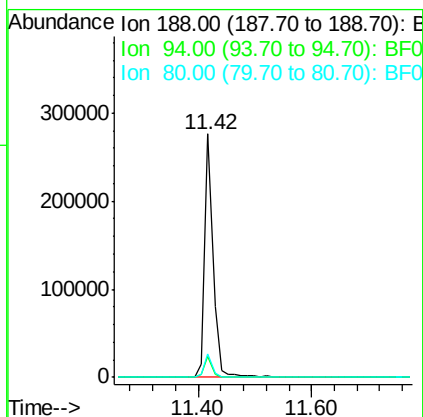
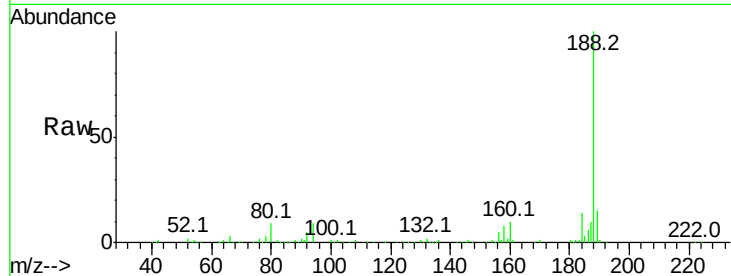
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.05 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	5.8	8.6#
80	9.5	6.4	9.6

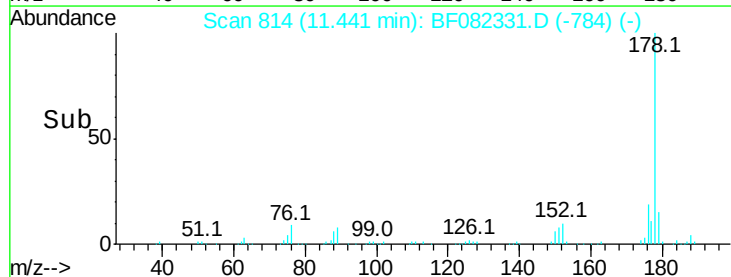
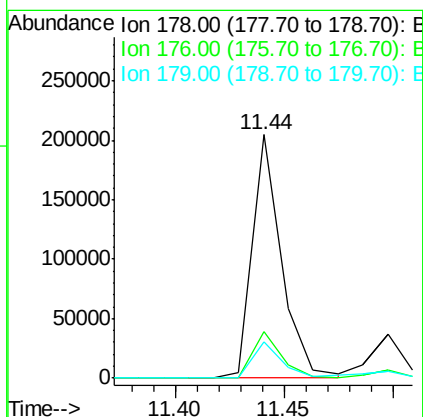
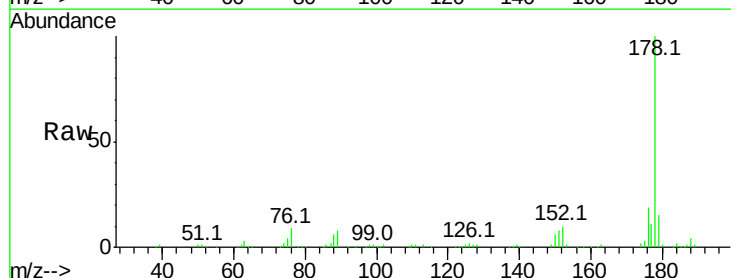
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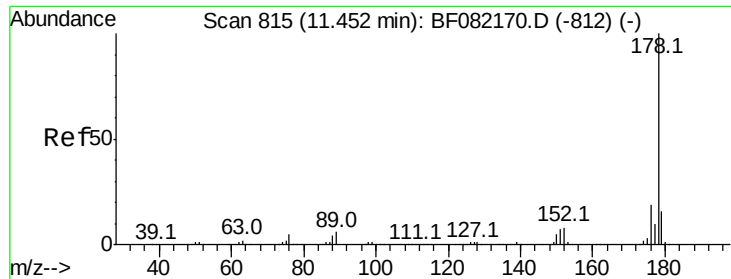
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#70
Phenanthrene
Concen: 14.20 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.05 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	16.0	24.0
179	14.9	12.6	19.0





#71

Anthracene

Concen: 3.13 ng

RT: 11.50 min Scan# 819

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

Tot Ion:178 Resp: 43292

Ion Ratio Lower Upper

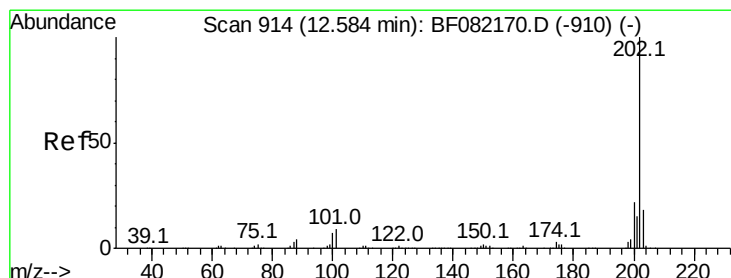
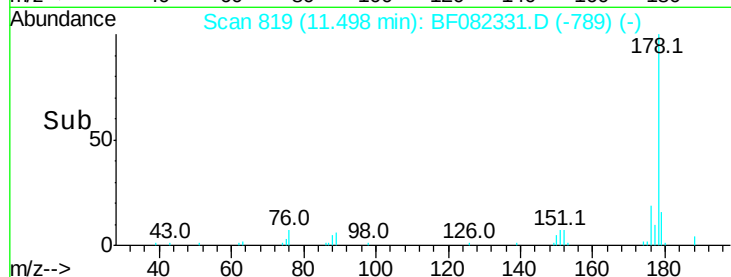
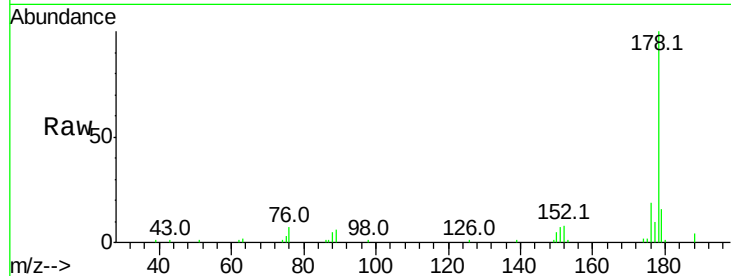
178 100

176 18.8 15.4 23.0

179 15.5 12.5 18.7

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#74

Fluoranthene

Concen: 16.64 ng

RT: 12.63 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

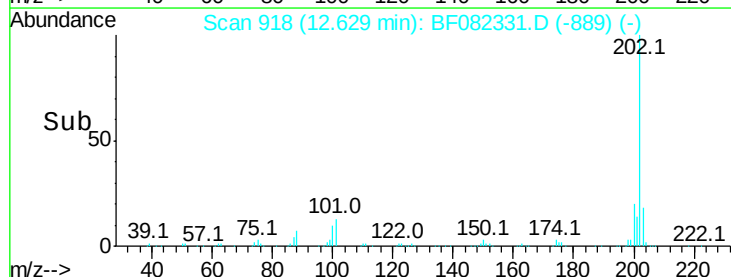
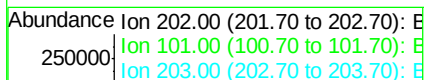
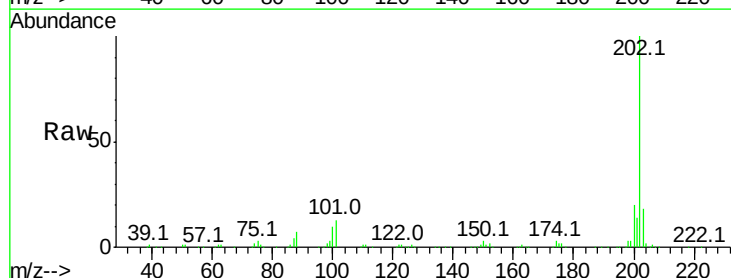
Tgt Ion:202 Resp: 239841

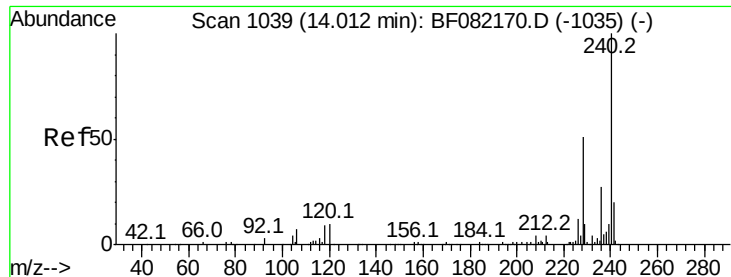
Ion Ratio Lower Upper

202 100

101 12.9 0.0 29.3

203 17.7 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

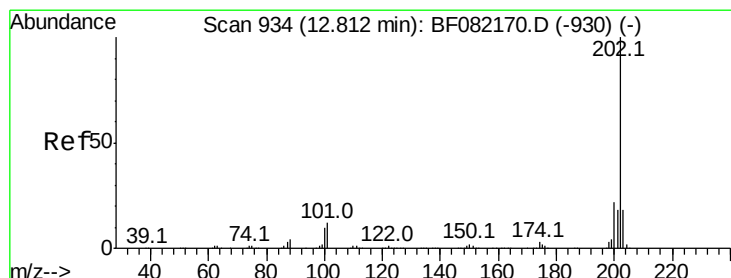
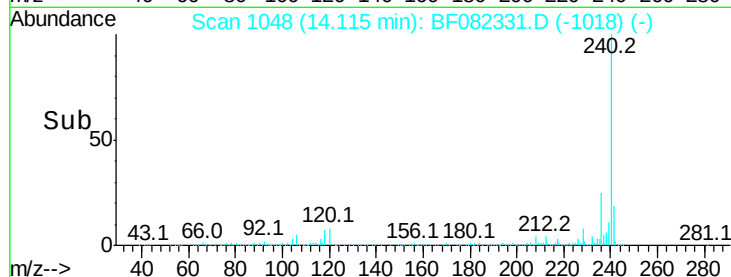
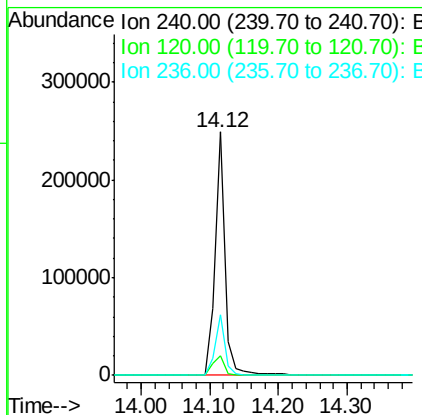
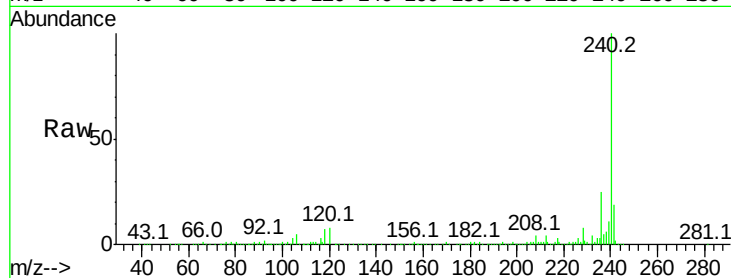
ClientSampleId :

TK1-4-20151015

Tot Ion:	240	Resp:	258530
Ion Ratio	Lower	Upper	
240	100		
120	8.0	8.1	12.1#
236	25.0	21.3	31.9

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#77

Pyrene

Concen: 14.00 ng

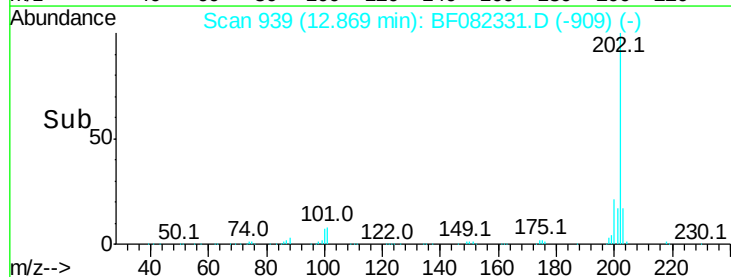
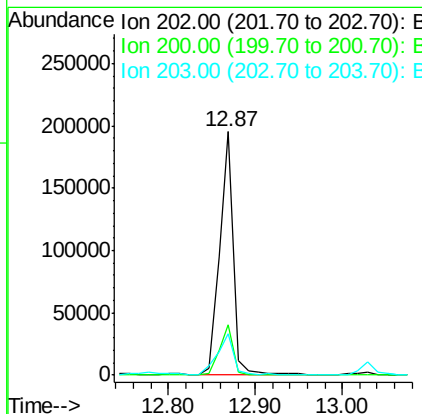
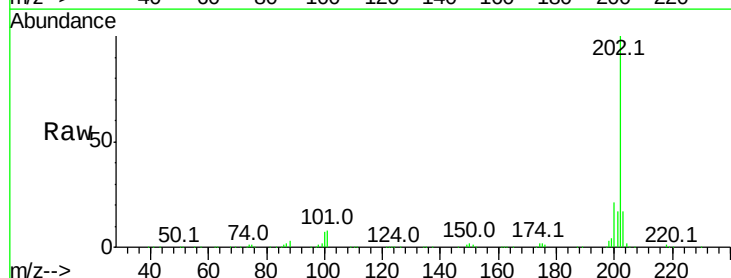
RT: 12.87 min Scan# 939

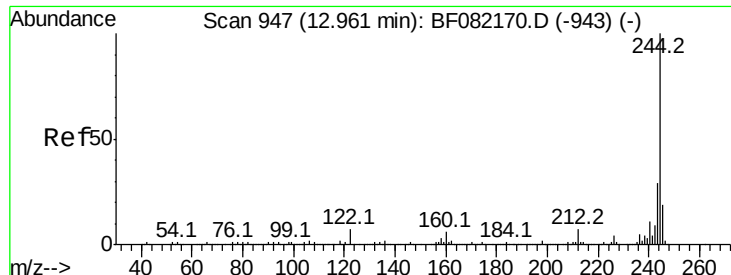
Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Tgt Ion:	202	Resp:	214739
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	17.1	14.5	21.7





#78

Terphenyl-d14

Concen: 8.68 ng

RT: 13.01 min Scan# 951

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

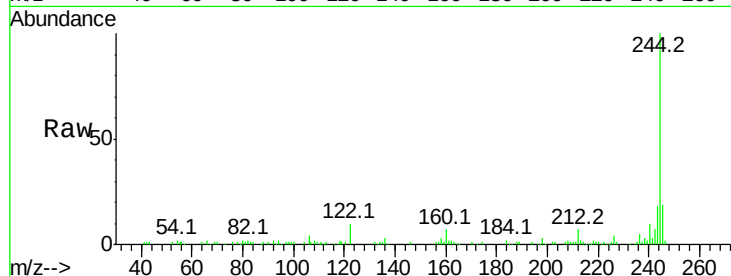
ClientSampleId :

TK1-4-20151015

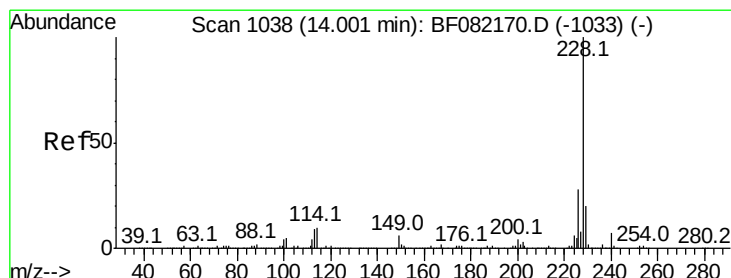
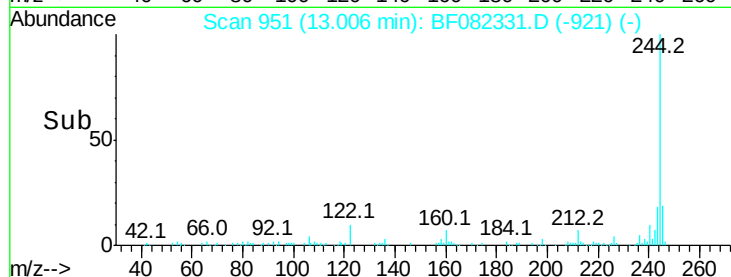
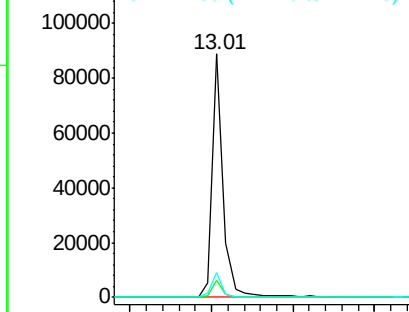
Tot Ion:	244	Resp:	84657
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	10.4	5.9	8.9#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.96 ng m

RT: 14.10 min Scan# 1047

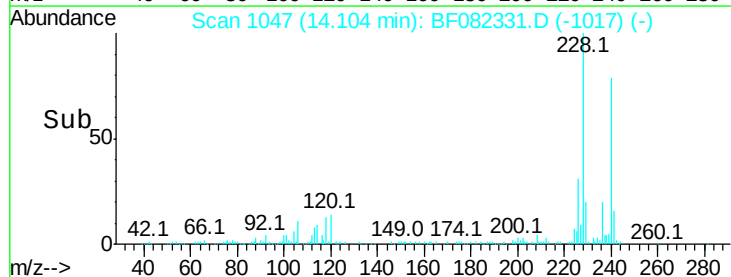
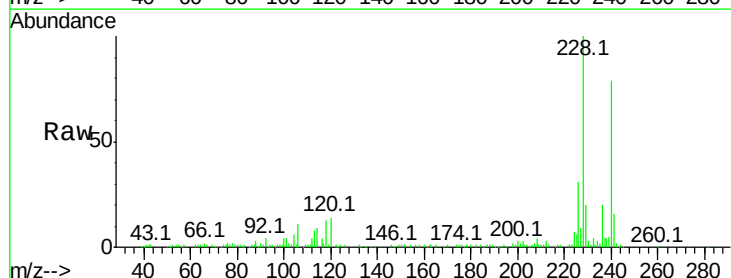
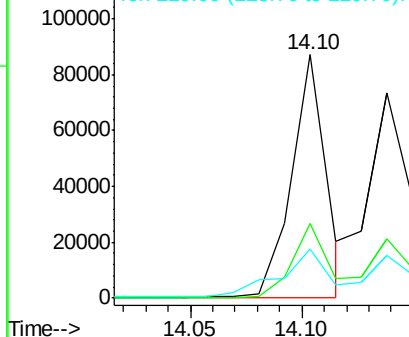
Delta R.T. 0.05 min

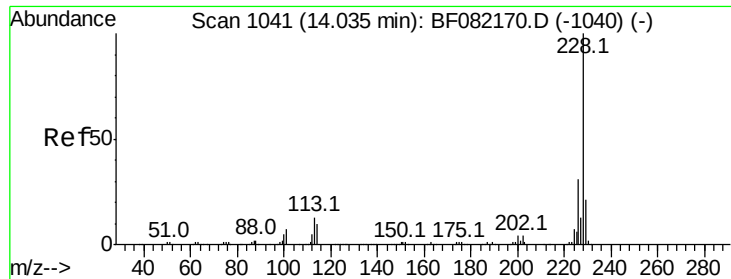
Lab File: BF082331.D

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Tgt Ion:	228	Resp:	93674
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.3	33.5
229	20.1	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





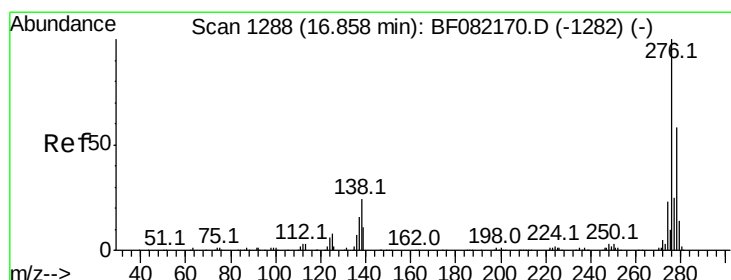
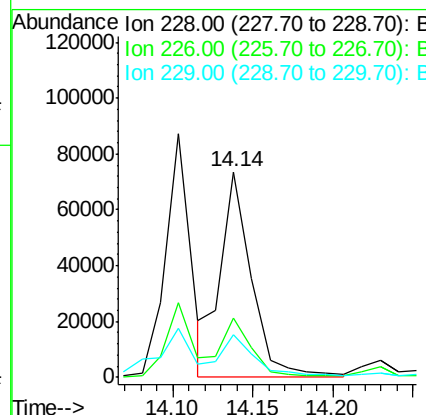
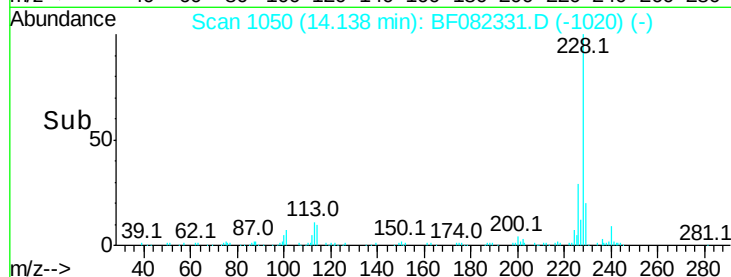
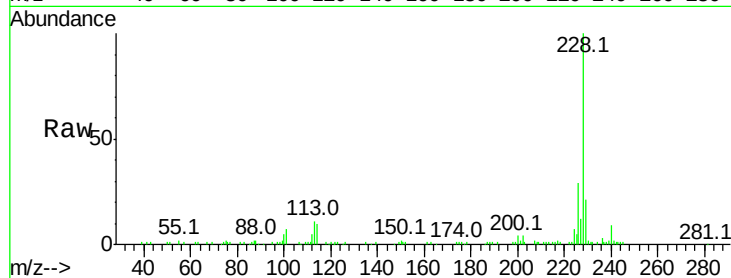
#82
Chrysene
Concen: 7.10 ng/ml
RT: 14.14 min Scan# 1050
Delta R.T. 0.05 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.4	36.6
229	21.0	16.3	24.5

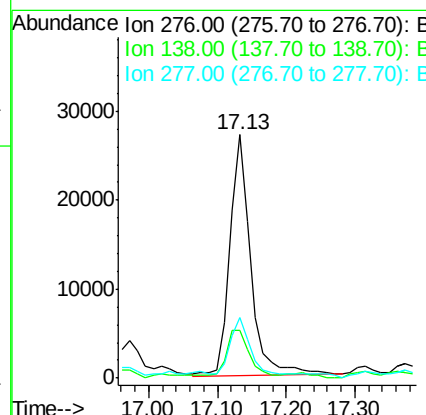
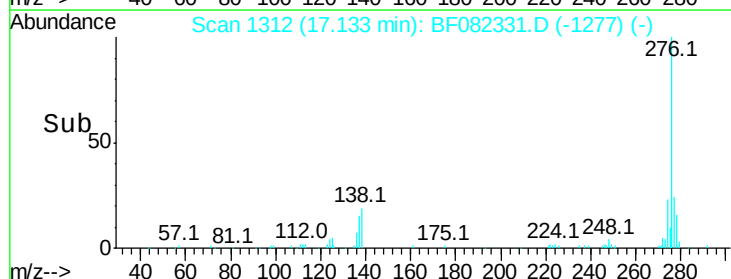
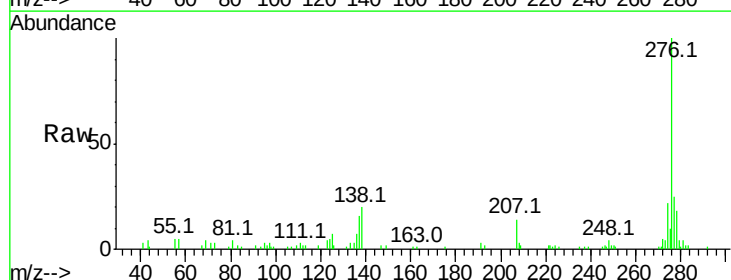
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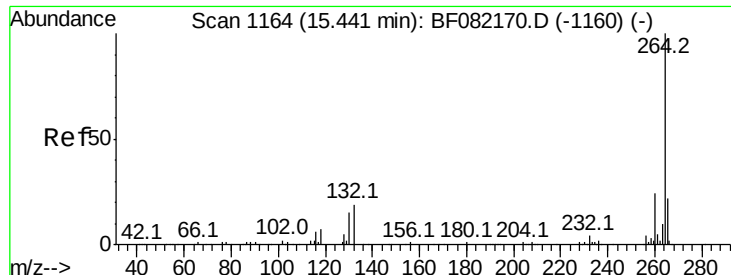
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.16 ng
RT: 17.13 min Scan# 1312
Delta R.T. 0.10 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.7	29.5
277	21.9	20.1	30.1





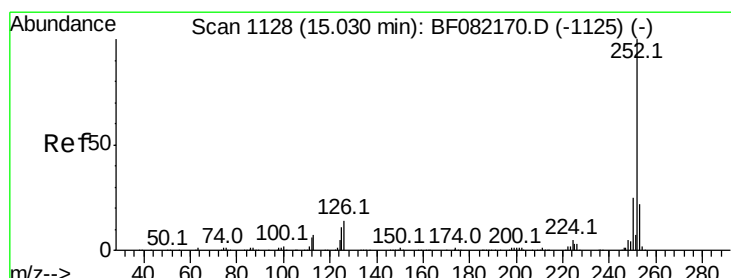
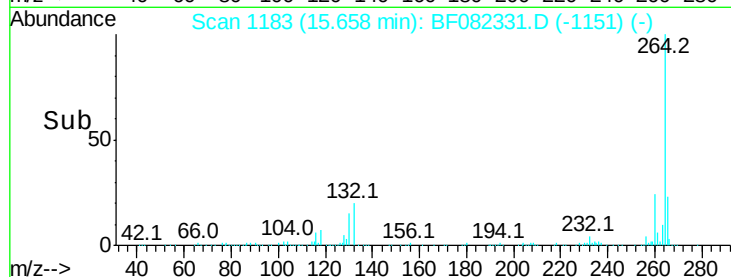
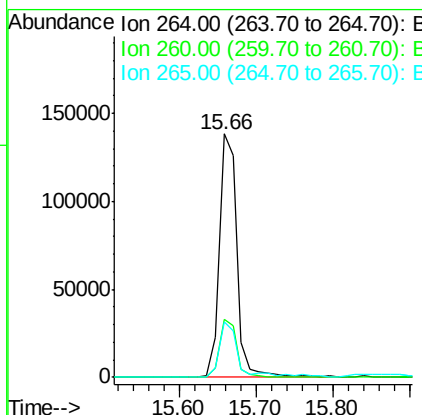
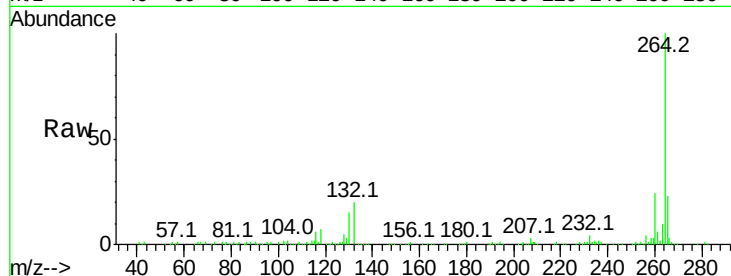
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.66 min Scan# 1183
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.7	17.3	25.9

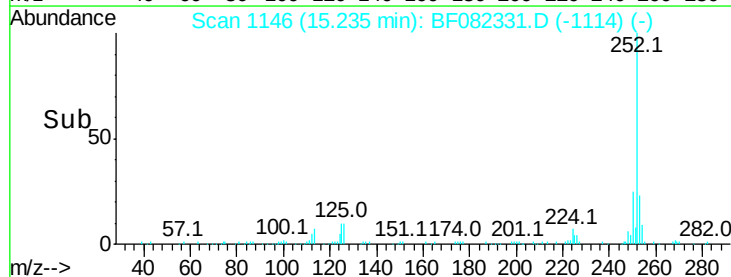
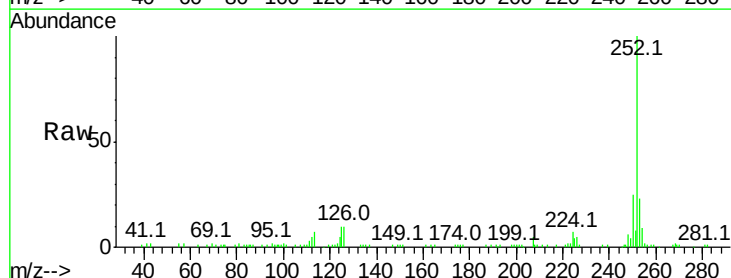
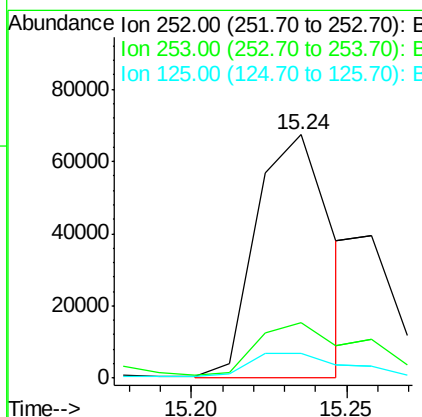
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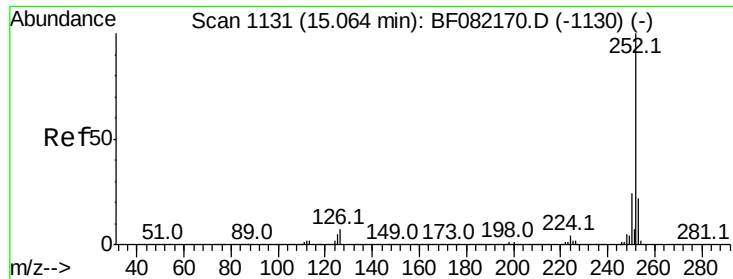
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#87
Benzo(b)fluoranthene
Concen: 8.42 ng m
RT: 15.24 min Scan# 1146
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.3	8.6	12.8





#88

Benzo(k)fluoranthene

Concen: 3.61 ng m

RT: 15.26 min Scan# 1148

Delta R.T. 0.06 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

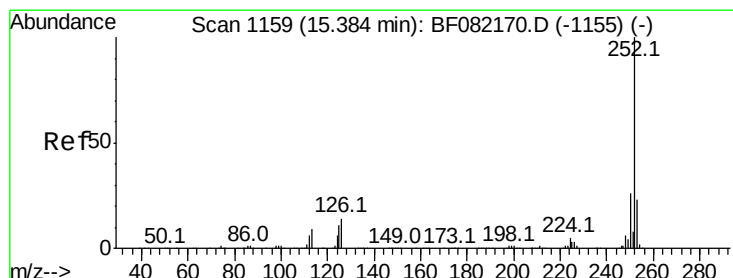
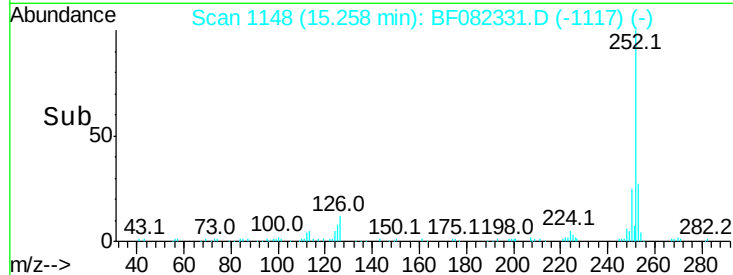
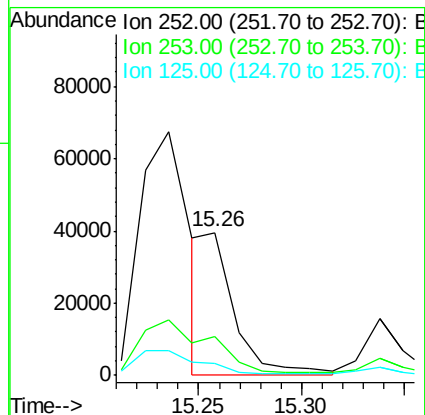
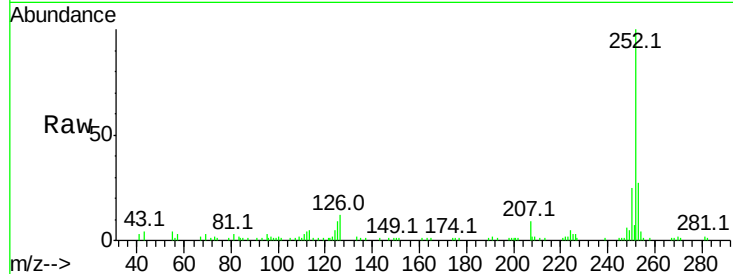
ClientSampleId :

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Tot Ion:	252	Resp:	41105
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.8	26.6#
125	8.8	6.7	10.1

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 6.87 ng m

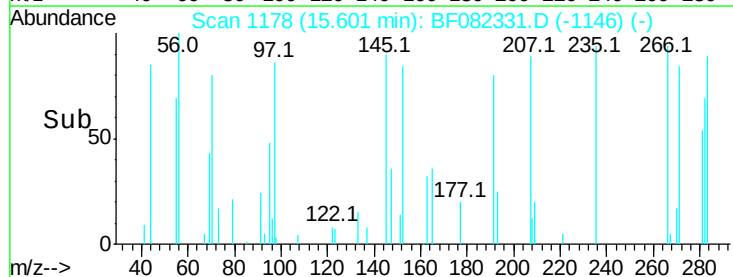
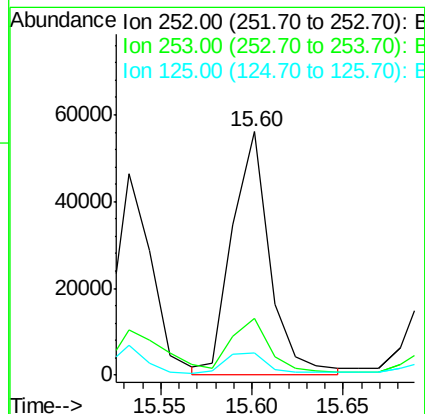
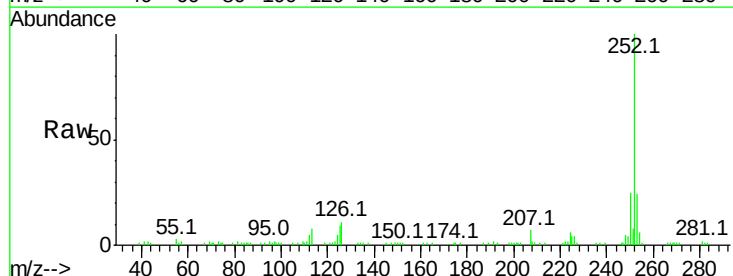
RT: 15.60 min Scan# 1178

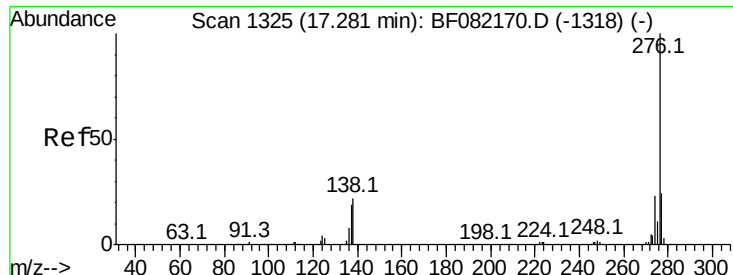
Delta R.T. 0.07 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Tgt Ion:	252	Resp:	80005
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	9.1	8.9	13.3





#91
 Benzo(a,h,i)perylene
 Concen: 6.74 ng
 RT: 17.58 min Scan# 1351
 Delta R.T. 0.11 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Tot Ion:	276	Resp:	62510
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	19.5	17.4	26.2

Manual Integrations
 APPROVED

MMdadoda
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