

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082330.D
 Acq On : 16 Oct 2015 17:20
 Operator : UM/IZ
 Sample : G4051-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

Manual Integrations
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 10/19/2015 5:32:13 PM

Quant Time: Oct 17 01:59:15 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	50264m	20.00	ng	0.06
21) Naphthalene-d8	8.17	136	251162	20.00	ng	0.05
38) Acenaphthene-d10	9.92	164	129841	20.00	ng	0.03
63) Phenanthrene-d10	11.42	188	286172	20.00	ng	0.05
75) Chrysene-d12	14.13	240	248433	20.00	ng	0.06
86) Perylene-d12	15.72	264	226992	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	15510	6.23	ng	0.07
7) Phenol-d6	6.53	99	20348	6.28	ng	0.05
23) Nitrobenzene-d5	7.45	82	11549	3.09	ng	0.03
41) 2,4,6-Tribromophenol	10.72	330	9745	8.00	ng	0.03
44) 2-Fluorobiphenyl	9.25	172	27123	3.46	ng	0.03
78) Terphenyl-d14	13.01	244	70613	7.53	ng	0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.78	152	44327	3.65	ng	99
70) Phenanthrene	11.44	178	374532	26.70	ng	98
71) Anthracene	11.49	178	83060	5.75	ng	99
72) Carbazole	11.65	167	45020	3.41	ng	98
74) Fluoranthene	12.63	202	528303	35.07	ng	97
77) Pyrene	12.87	202	478270	32.44	ng	98
80) Benzo(a)anthracene	14.12	228	230018	17.79	ng	97
82) Chrysene	14.16	228	200533	14.72	ng	97
85) Indeno(1,2,3-cd)pyrene	17.18	276	114956	10.62	ng	95
87) Benzo(b)fluoranthene	15.28	252	240915m	17.44	ng	
88) Benzo(k)fluoranthene	15.30	252	94027m	8.10	ng	
89) Benzo(a)pyrene	15.65	252	172219	14.51	ng	98
90) Dibenzo(a,h)anthracene	17.19	278	27149m	2.79	ng	
91) Benzo(a,h,i)perylene	17.62	276	113932	12.06	ng	97

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

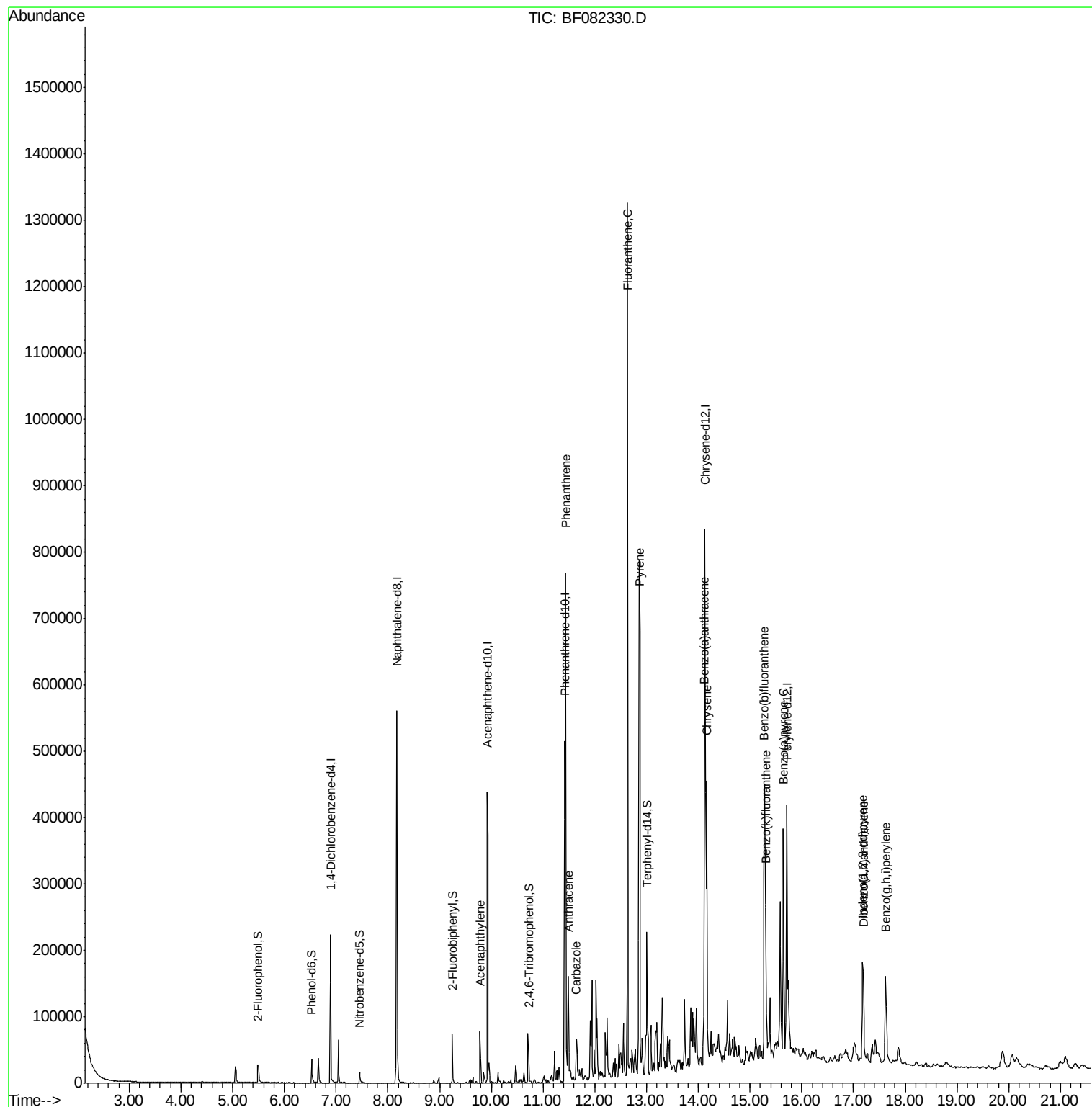
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082330.D
Acq On : 16 Oct 2015 17:20
Operator : UM/IZ
Sample : G4051-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

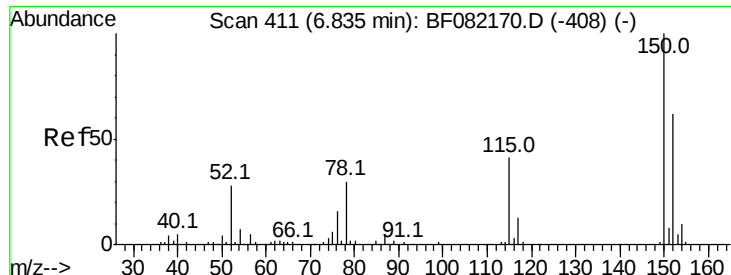
Instrument :
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#1

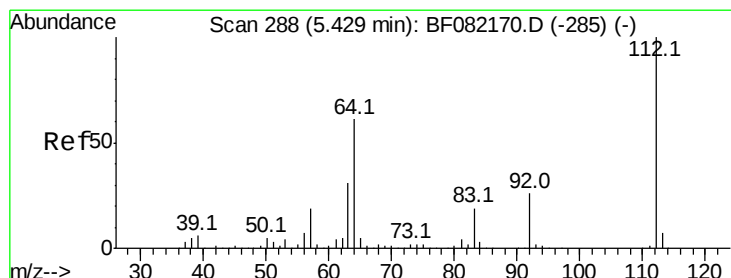
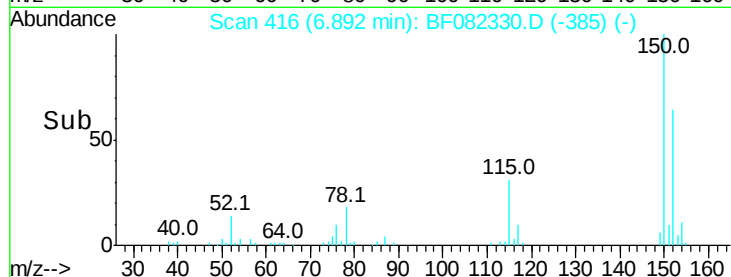
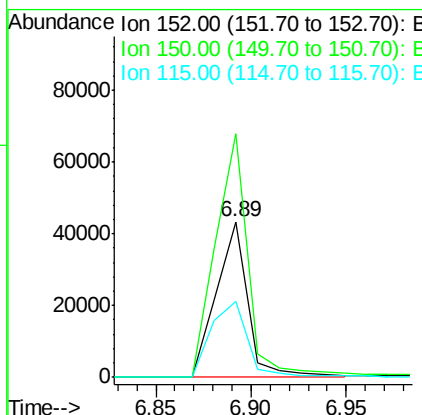
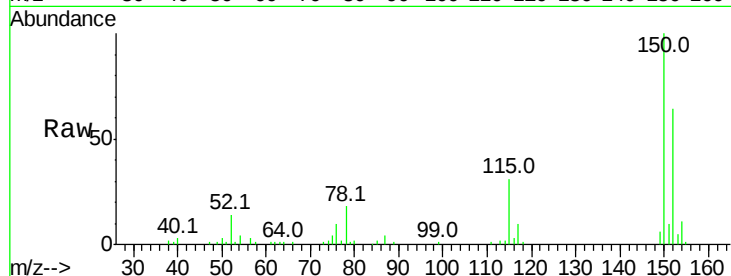
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.89 min Scan# 416
Delta R.T. 0.06 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	129.0	193.4
115	48.8	52.1	78.1#

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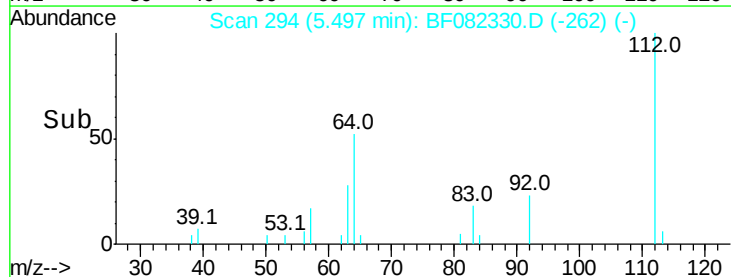
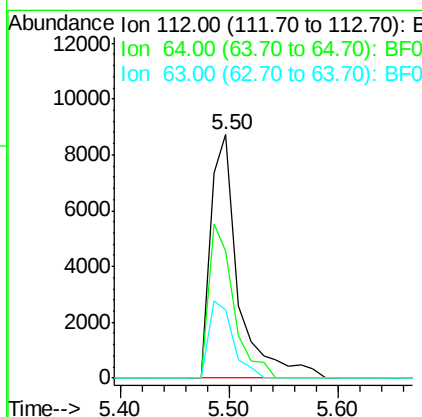
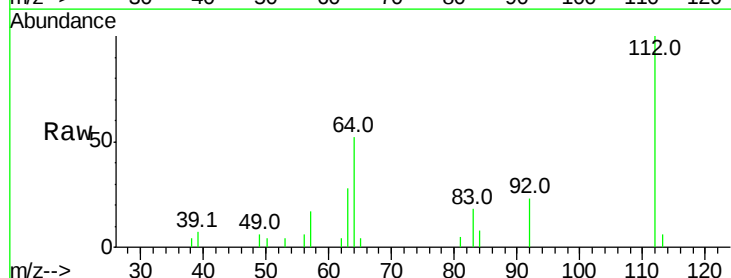
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#5

2-Fluorophenol
Concen: 6.23 ng
RT: 5.50 min Scan# 294
Delta R.T. 0.07 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	48.6	73.0
63	28.1	25.1	37.7





#7

Phenol-d6

Concen: 6.28 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.05 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

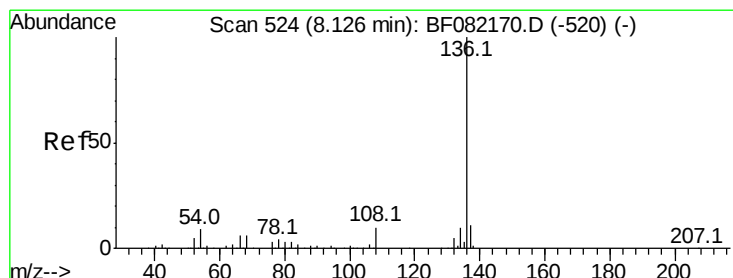
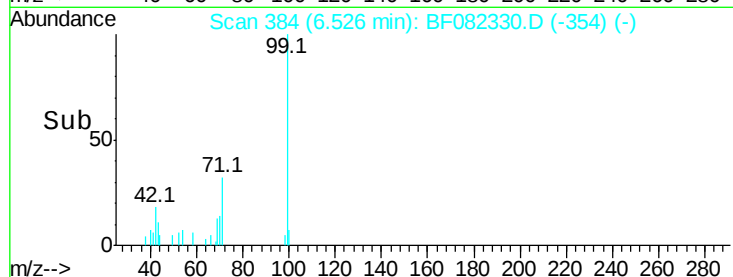
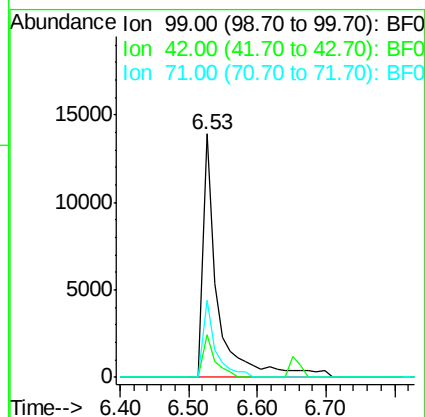
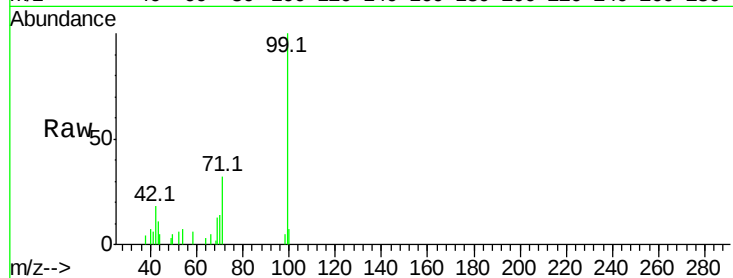
ClientSampleId :

TK1-3-20151015

Tot Ion:	99	Resp:	20348
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.2	19.8
71	31.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

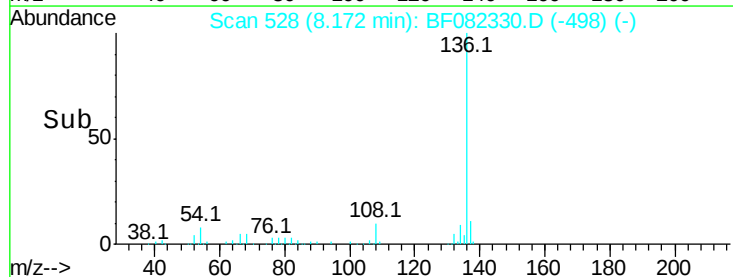
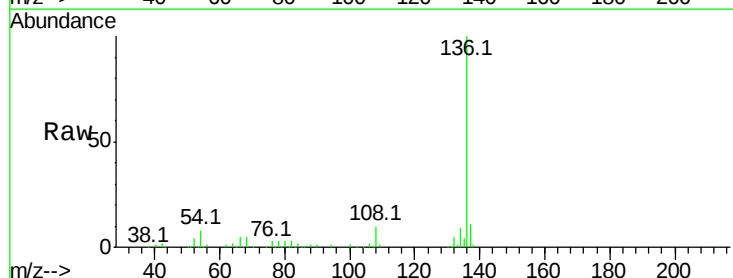
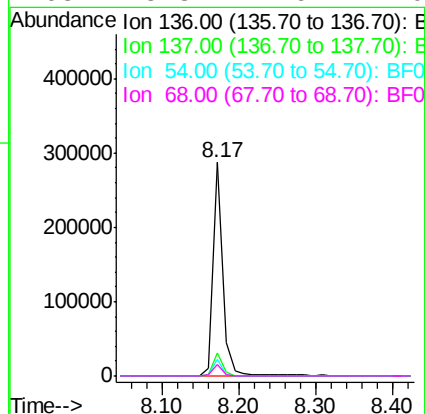
RT: 8.17 min Scan# 528

Delta R.T. 0.05 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Tgt Ion:	136	Resp:	251162
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	8.1	7.5	11.3
68	5.3	4.6	7.0





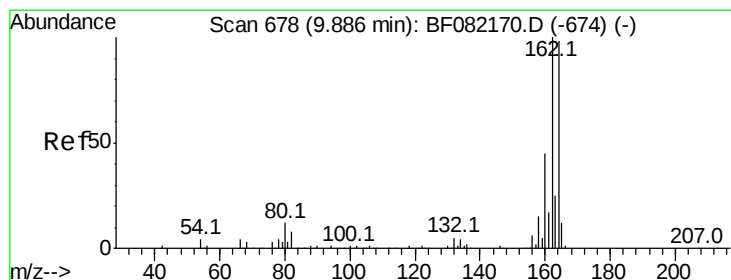
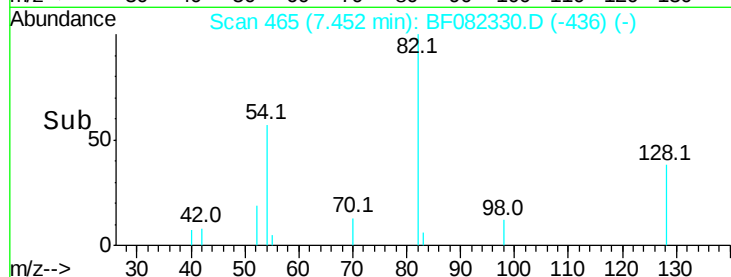
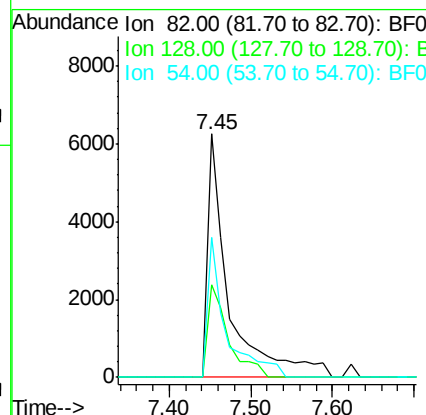
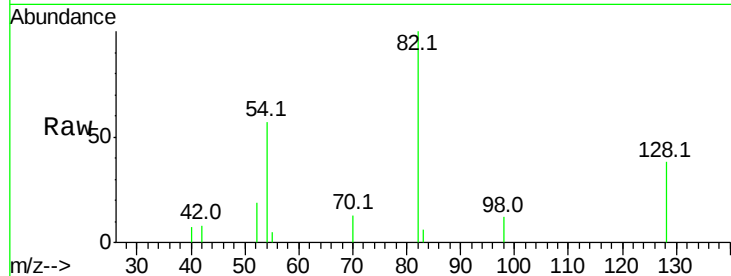
#23
 Nitrobenzene-d5
 Concen: 3.09 ng
 RT: 7.45 min Scan# 465
 Delta R.T. 0.03 min
 Lab File: BF082330.D
 Acq: 16 Oct 2015 17:20

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

Tot Ion	82	Resp	11549
Ion Ratio	100	Lower	Upper
82	100		
128	37.9	38.7	58.1#
54	57.5	40.1	60.1

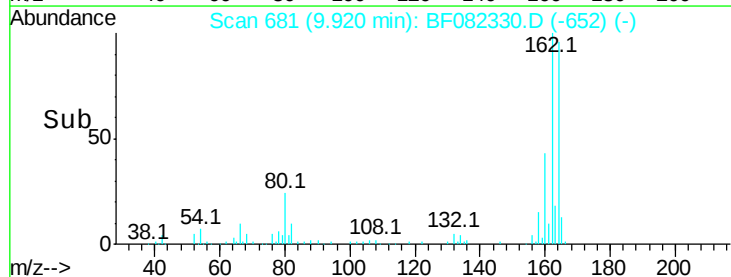
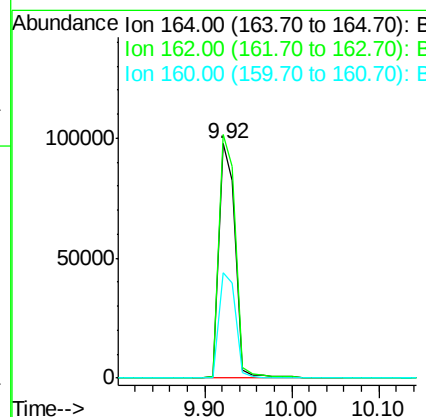
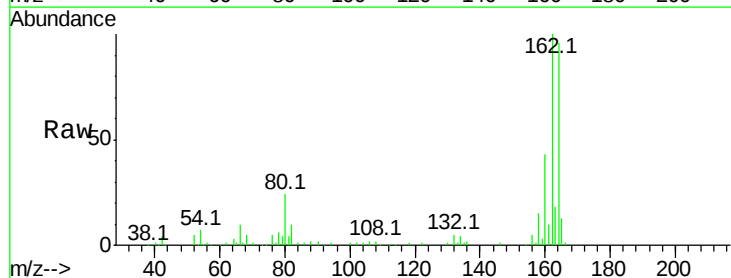
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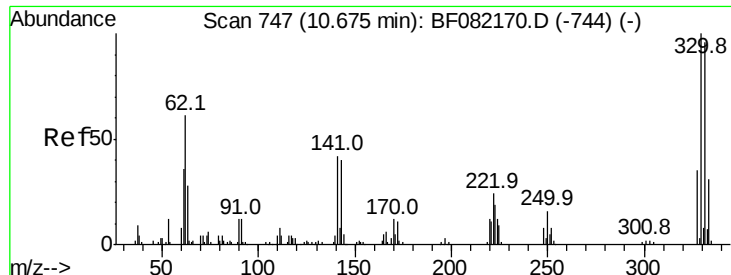
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 681
 Delta R.T. 0.03 min
 Lab File: BF082330.D
 Acq: 16 Oct 2015 17:20

Tgt Ion	164	Resp	129841
Ion Ratio	100	Lower	Upper
164	100		
162	104.0	81.6	122.4
160	44.9	36.4	54.6





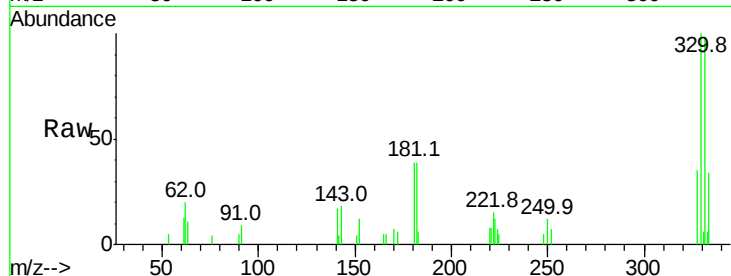
#41
 2,4,6-Tribromophenol
 Concen: 8.00 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: BF082330.D
 Acq: 16 Oct 2015 17:20

Instrument :
 BNA_F
 ClientSampleId :
 TK1-3-20151015

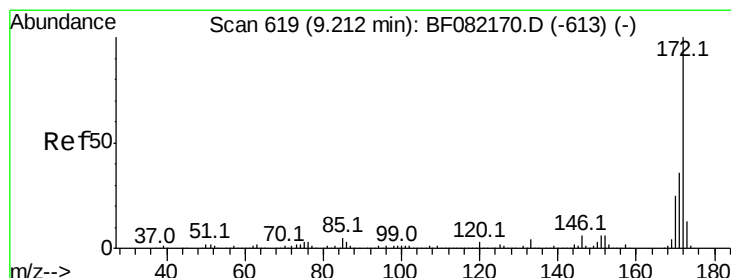
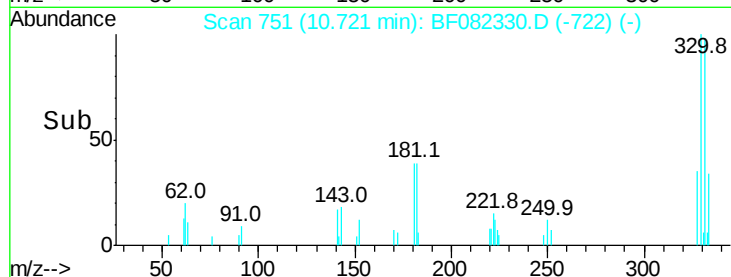
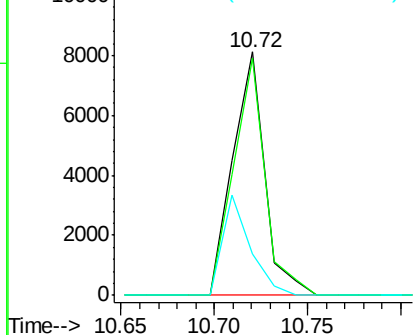
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	35.3	29.8	44.8

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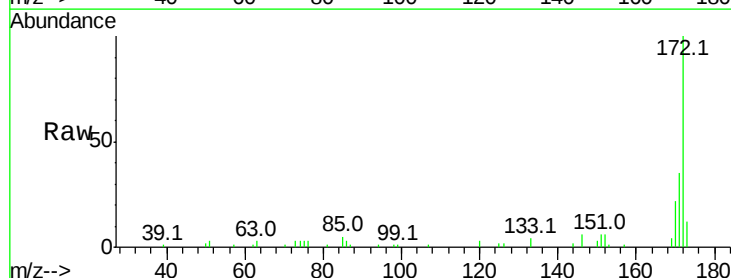


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

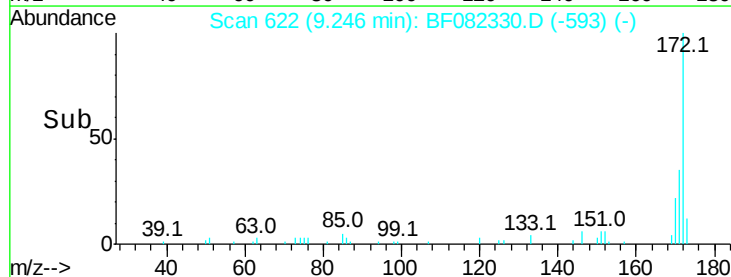
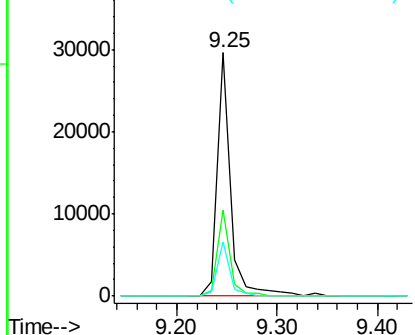


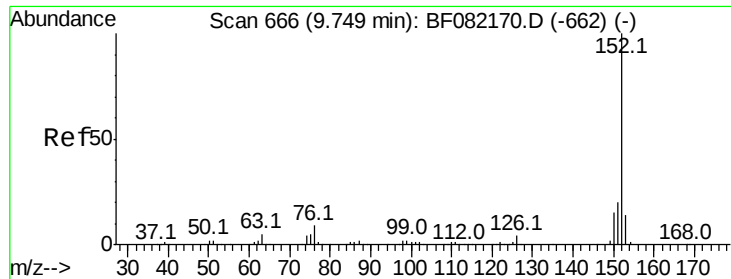
#44
 2-Fluorobiphenyl
 Concen: 3.46 ng
 RT: 9.25 min Scan# 622
 Delta R.T. 0.03 min
 Lab File: BF082330.D
 Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	22.4	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





#48

Acenaphthylene

Concen: 3.65 ng

RT: 9.78 min Scan# 669

Delta R.T. 0.03 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

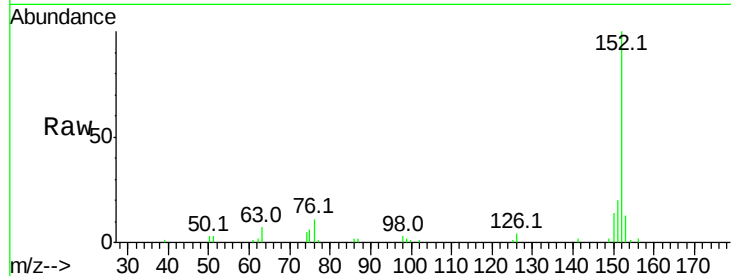
ClientSampleId :

TK1-3-20151015

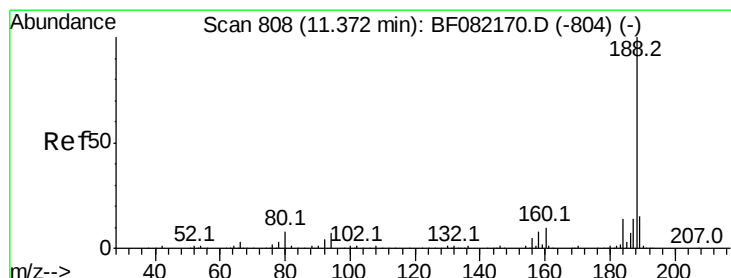
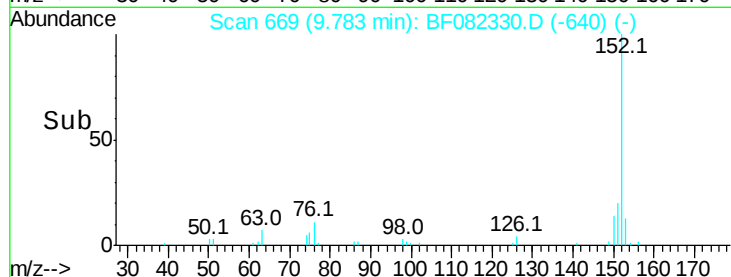
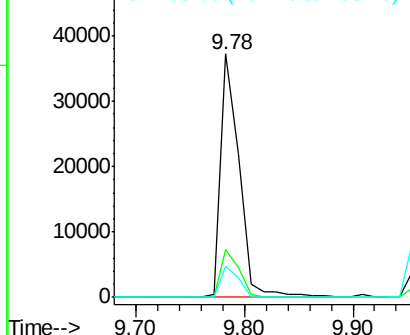
Tot Ion:	152	Resp:	44327
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.4	24.6
153	12.9	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

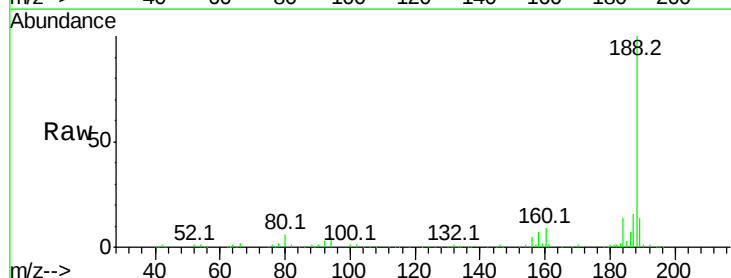
RT: 11.42 min Scan# 812

Delta R.T. 0.05 min

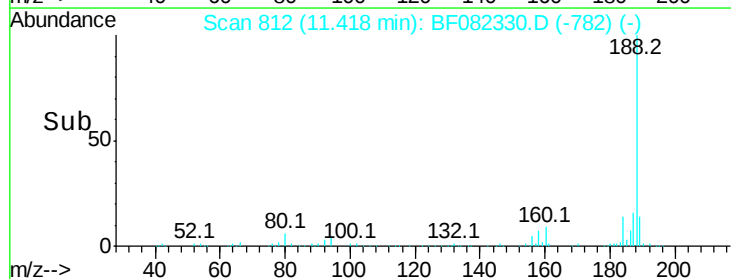
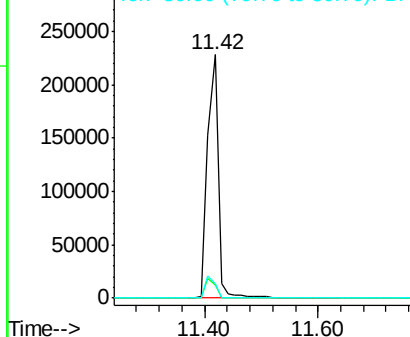
Lab File: BF082330.D

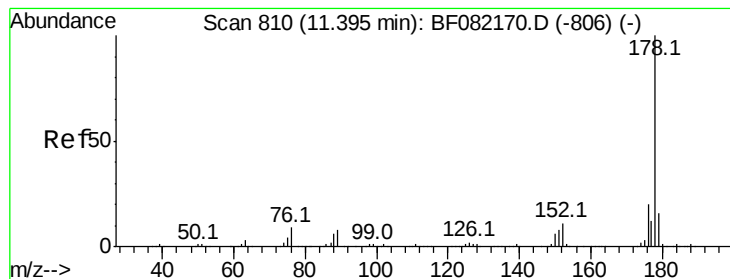
Acq: 16 Oct 2015 17:20

Tgt Ion:	188	Resp:	286172
Ion Ratio	Lower	Upper	
188	100		
94	5.4	5.8	8.6#
80	5.8	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: 26.70 ng

RT: 11.44 min Scan# 814

Delta R.T. 0.05 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

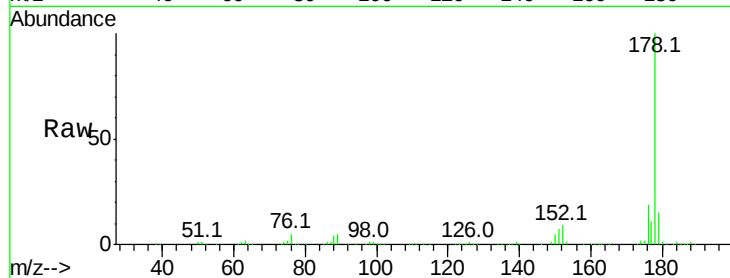
ClientSampleId :

TK1-3-20151015

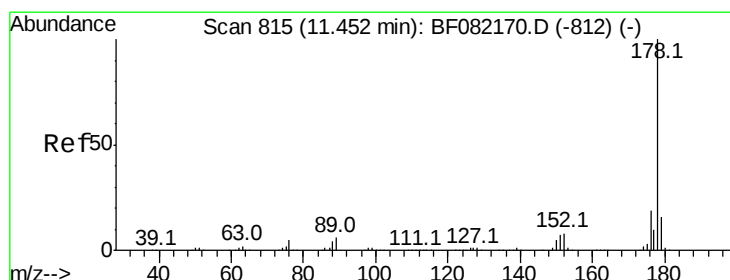
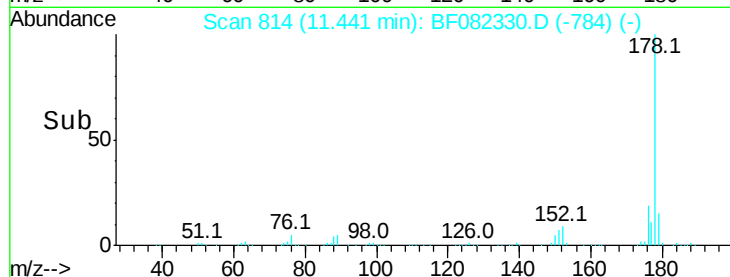
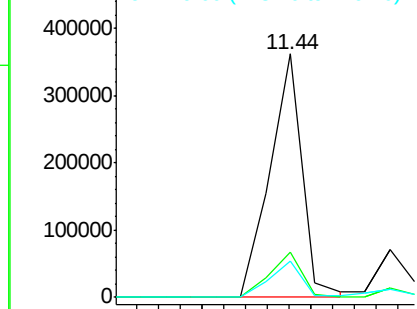
Tot Ion:	178	Resp:	374532
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.0	24.0
179	14.9	12.6	19.0

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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



#71

Anthracene

Concen: 5.75 ng

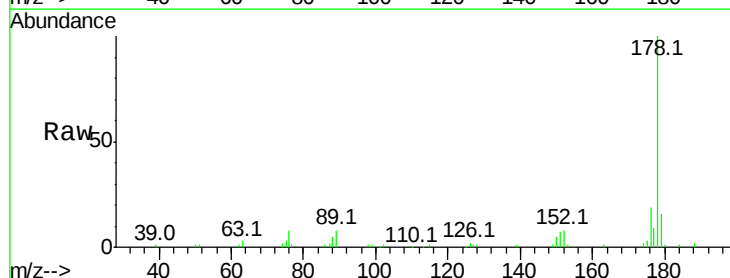
RT: 11.49 min Scan# 818

Delta R.T. 0.03 min

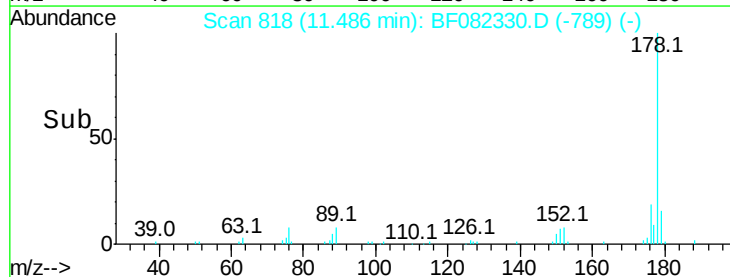
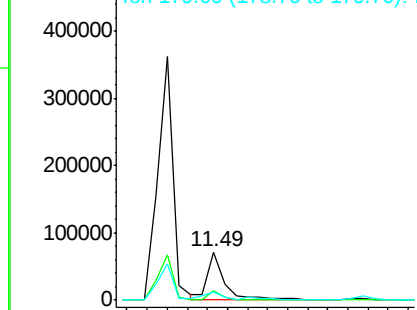
Lab File: BF082330.D

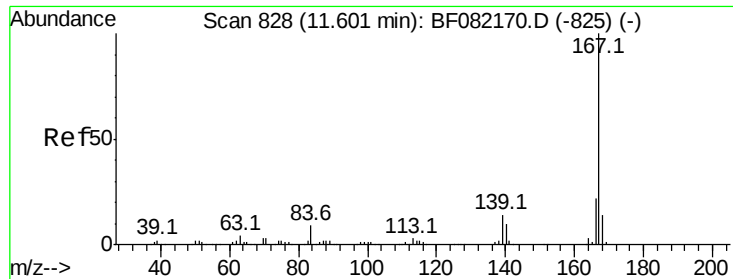
Acq: 16 Oct 2015 17:20

Tgt Ion:	178	Resp:	83060
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.0
179	16.2	12.5	18.7



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





#72

Carbazole

Concen: 3.41 ng

RT: 11.65 min Scan# 832

Delta R.T. 0.03 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

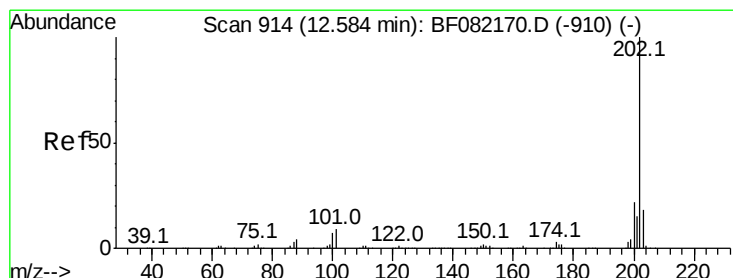
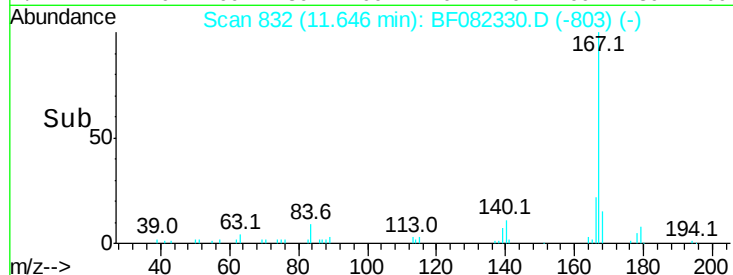
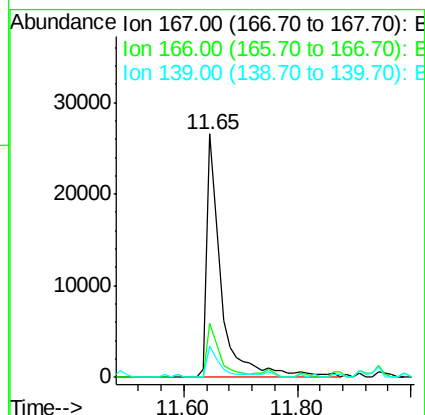
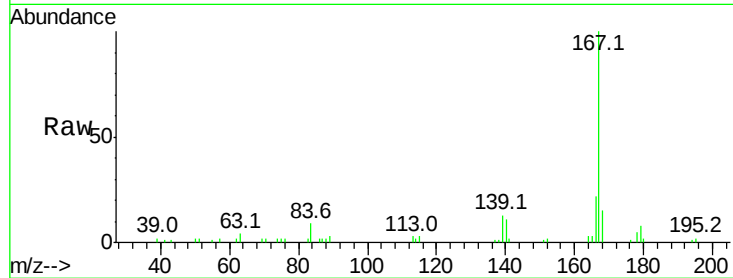
ClientSampleId :

TK1-3-20151015

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.3	25.9
139	12.9	11.2	16.8

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#74

Fluoranthene

Concen: 35.07 ng

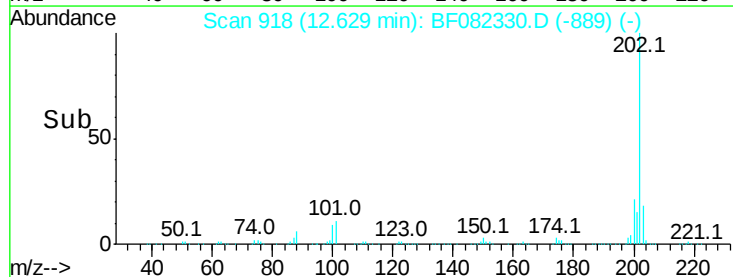
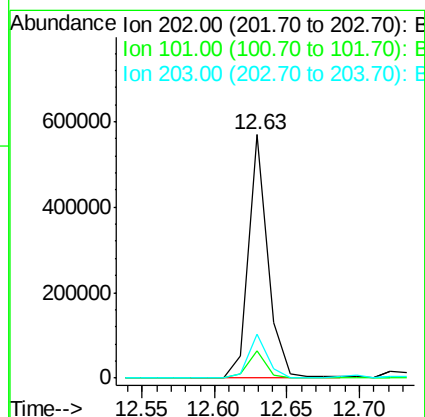
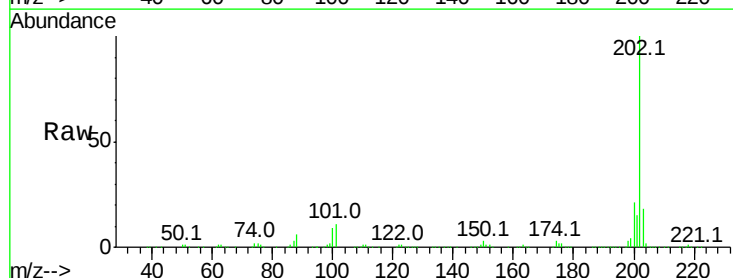
RT: 12.63 min Scan# 918

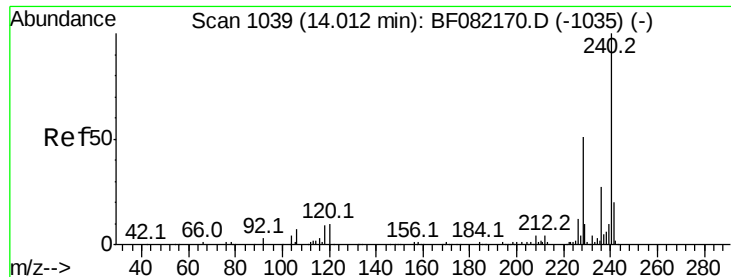
Delta R.T. 0.03 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	29.3
203	18.3	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: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

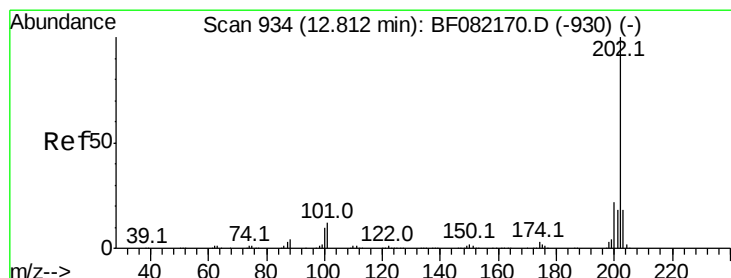
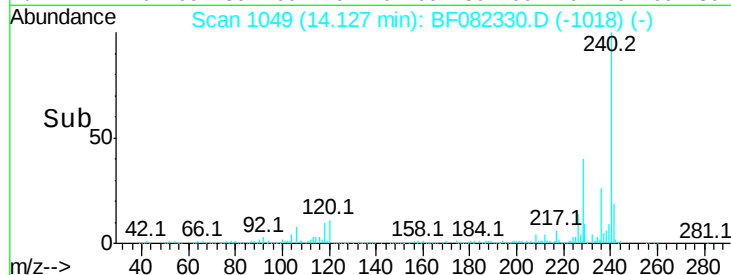
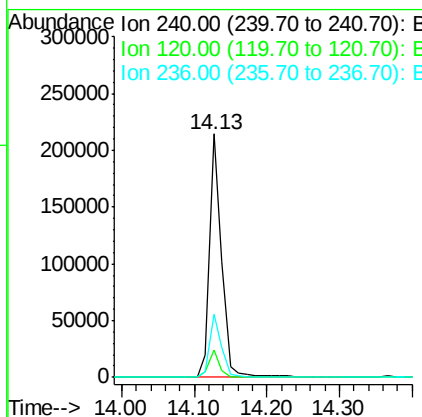
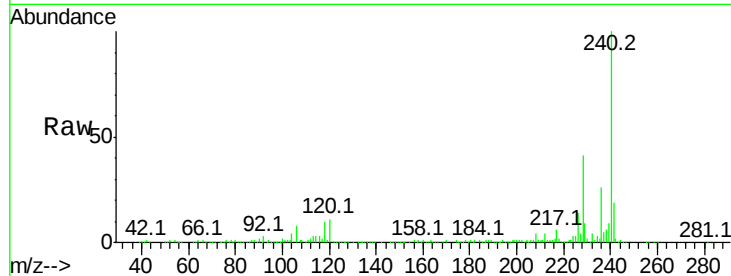
ClientSampleId :

TK1-3-20151015

Tot Ion:	240	Resp:	248433
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.1	12.1
236	25.7	21.3	31.9

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#77

Pyrene

Concen: 32.44 ng

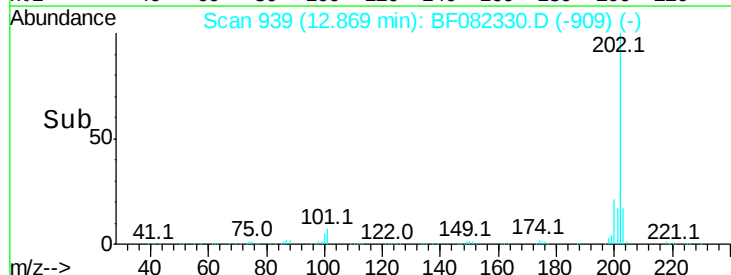
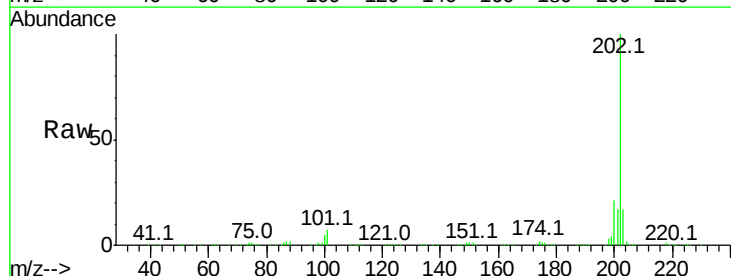
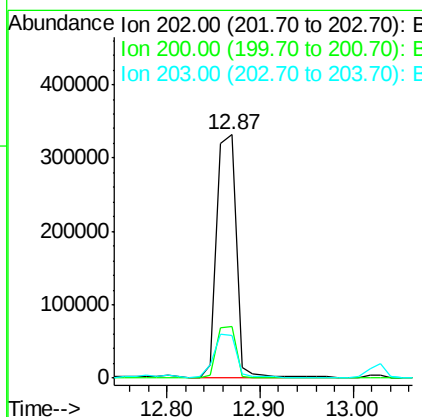
RT: 12.87 min Scan# 939

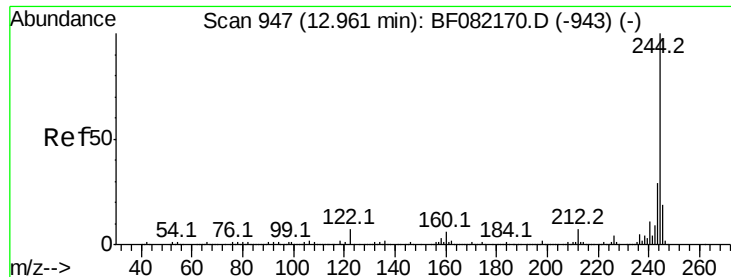
Delta R.T. 0.05 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Tgt Ion:	202	Resp:	478270
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.9	26.9
203	17.3	14.5	21.7





#78

Terphenyl-d14

Concen: 7.53 ng

RT: 13.01 min Scan# 951

Delta R.T. 0.05 min

Lab File: BF082330.D

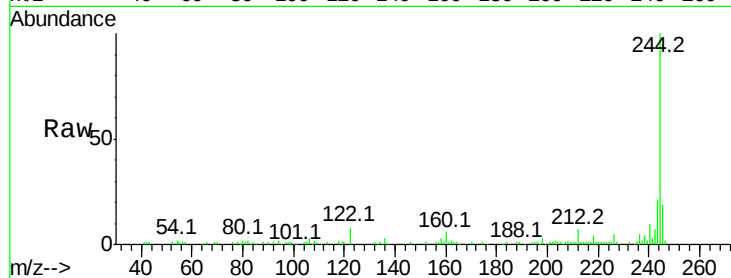
Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

ClientSampleId :

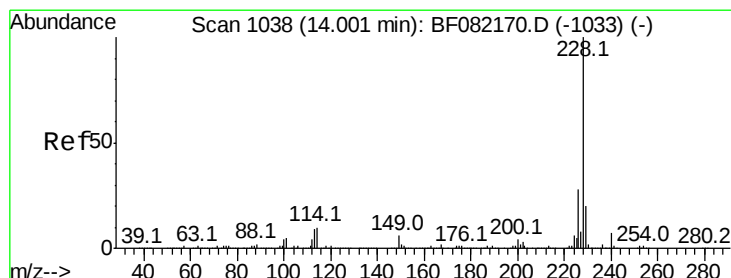
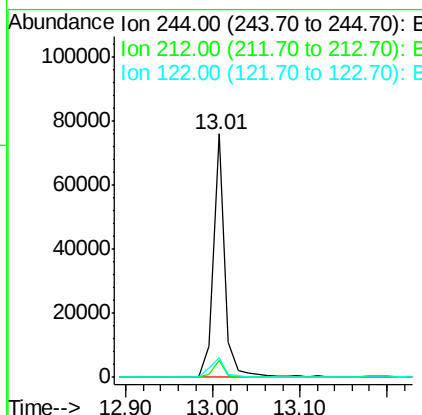
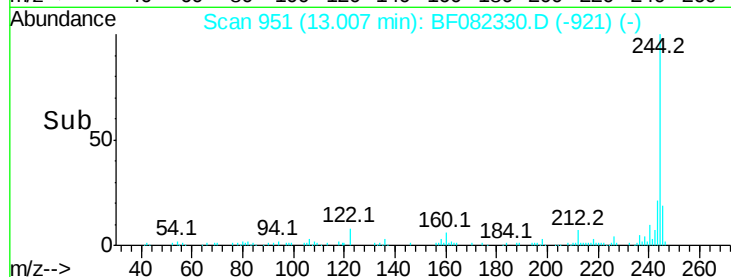
TK1-3-20151015



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	8.3	5.9	8.9

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#80

Benzo(a)anthracene

Concen: 17.79 ng

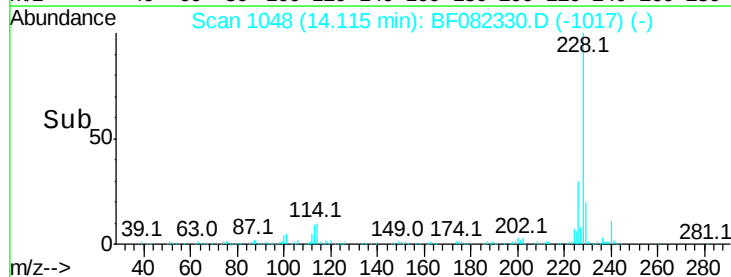
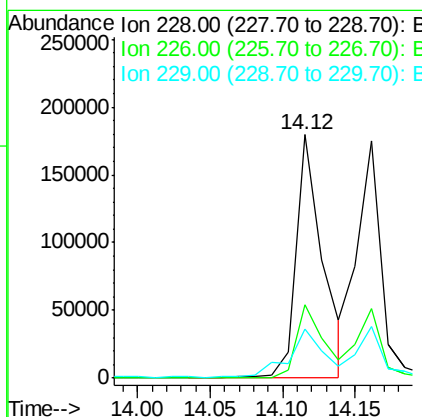
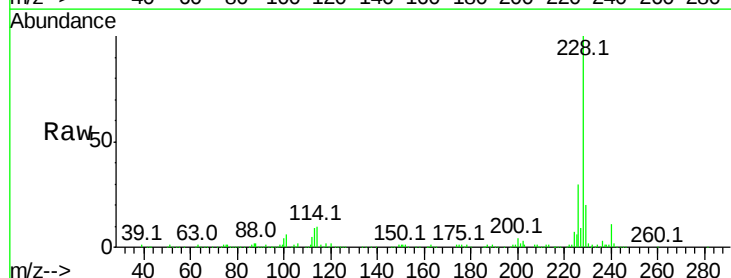
RT: 14.12 min Scan# 1048

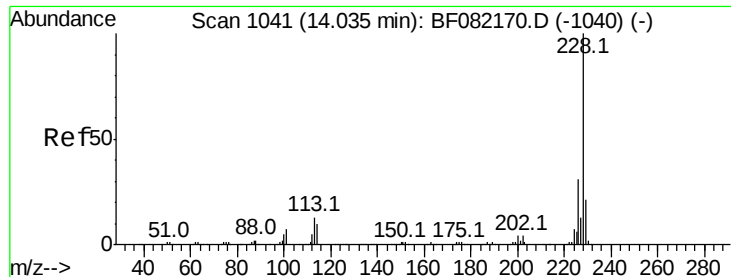
Delta R.T. 0.06 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.2	16.2	24.2





#82

Chrysene

Concen: 14.72 ng

RT: 14.16 min Scan# 1052

Delta R.T. 0.07 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Instrument :

BNA_F

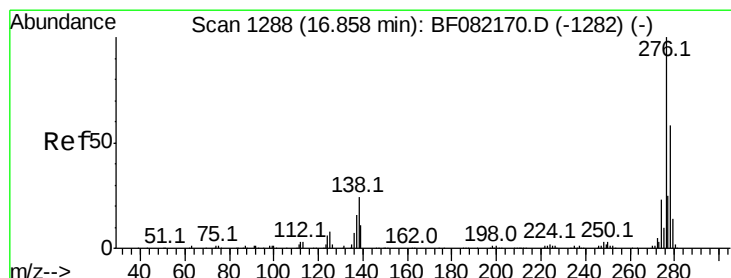
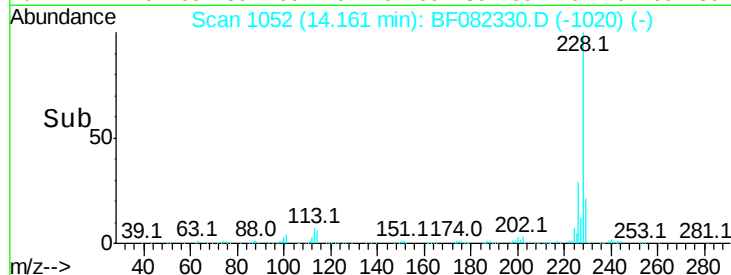
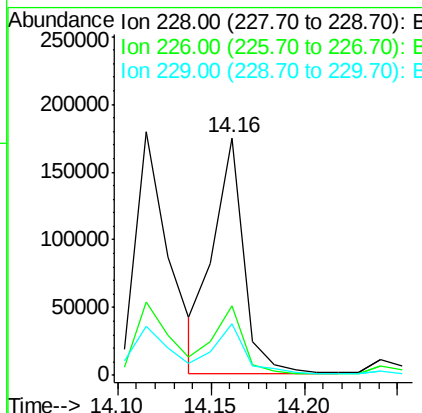
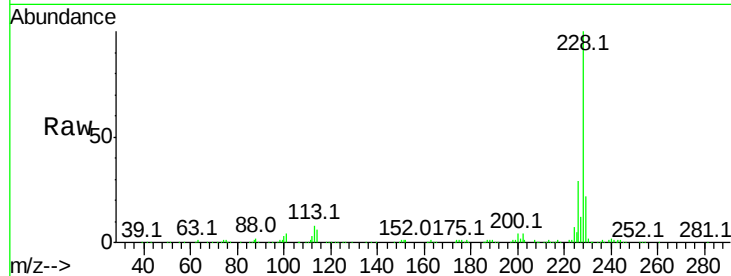
ClientSampleId :

TK1-3-20151015

Tot Ion:	228	Resp:	200533
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.4	36.6
229	21.9	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.62 ng

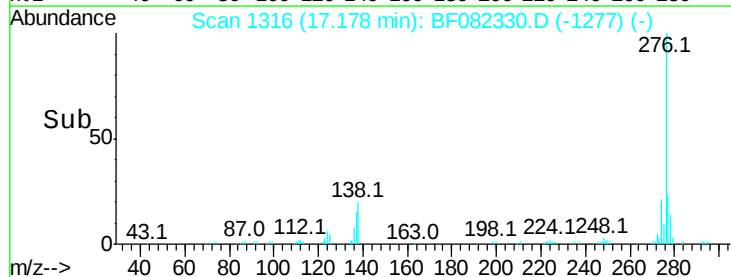
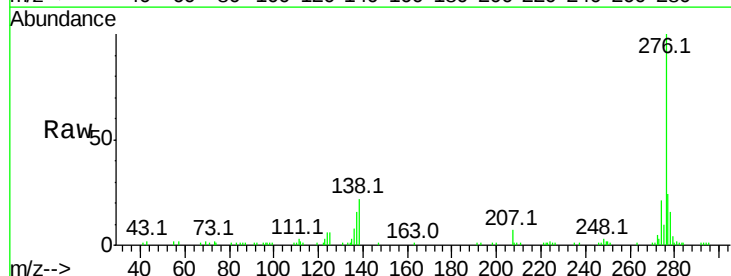
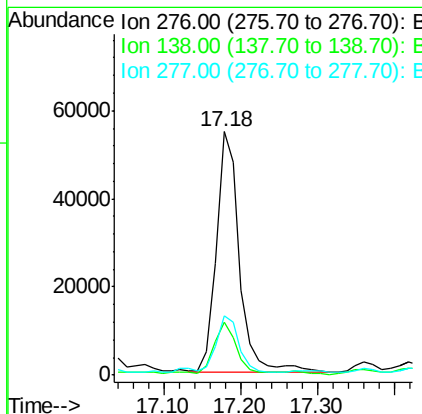
RT: 17.18 min Scan# 1316

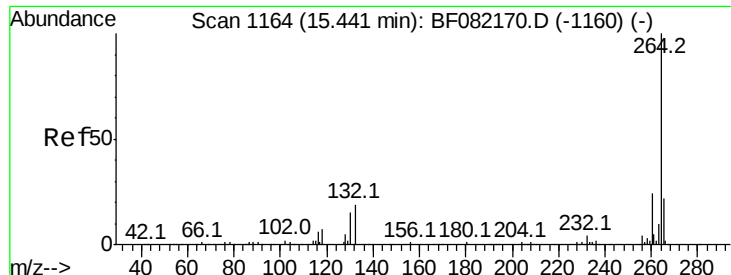
Delta R.T. 0.15 min

Lab File: BF082330.D

Acq: 16 Oct 2015 17:20

Tgt Ion:	276	Resp:	114956
Ion Ratio	Lower	Upper	
276	100		
138	20.2	19.7	29.5
277	24.7	20.1	30.1





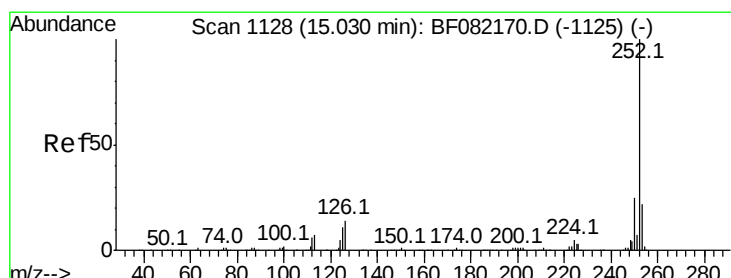
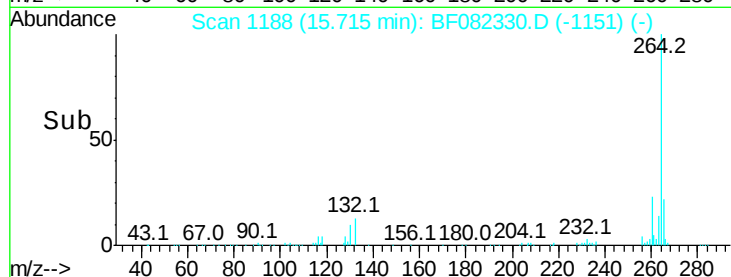
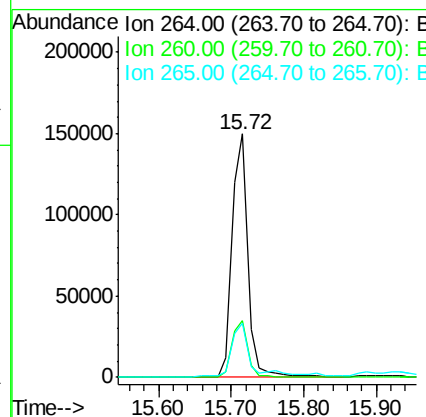
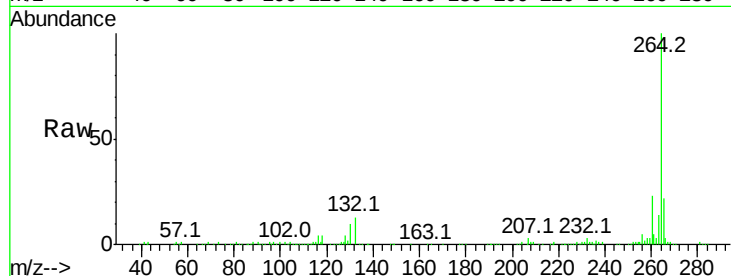
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.72 min Scan# 1188
Delta R.T. 0.13 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	22.0	17.3	25.9

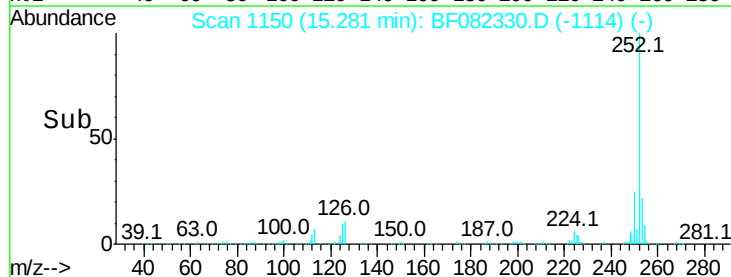
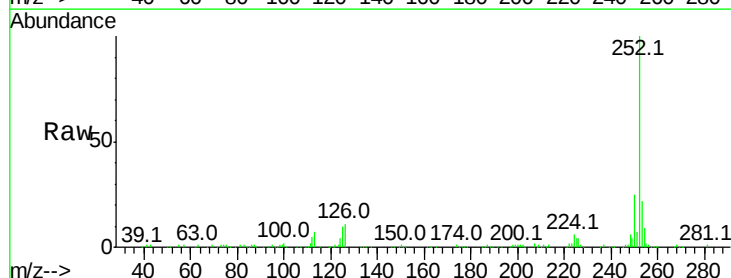
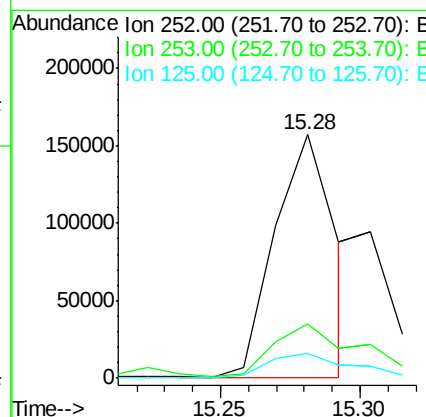
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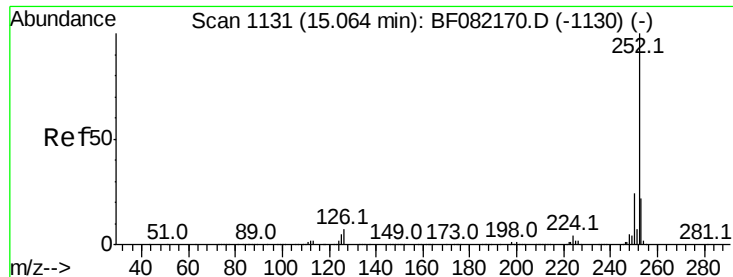
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 17.44 ng m
RT: 15.28 min Scan# 1150
Delta R.T. 0.11 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.2	8.6	12.8





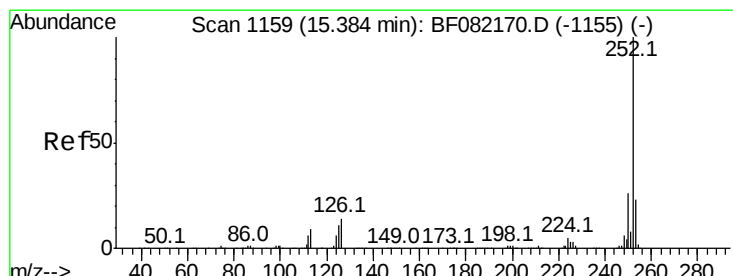
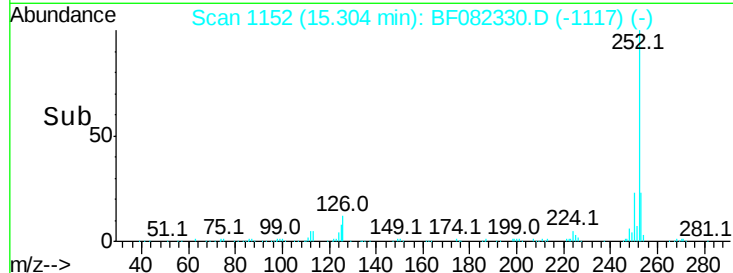
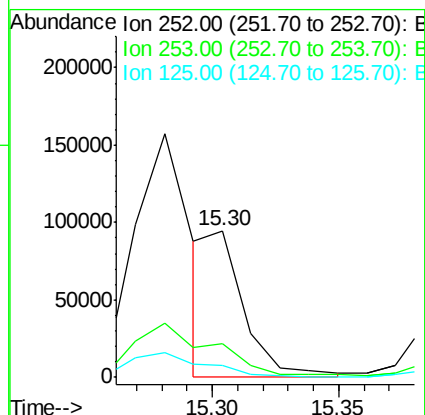
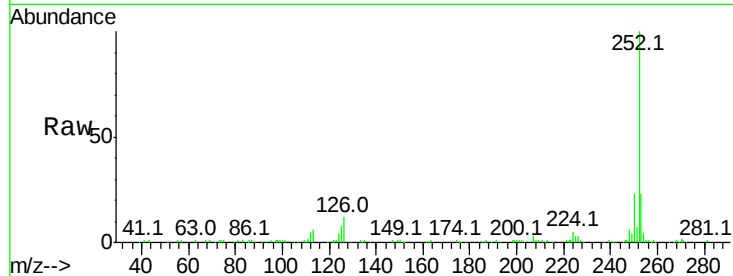
#88
Benzo(k)fluoranthene
Concen: 8.10 ng m
RT: 15.30 min Scan# 1152
Delta R.T. 0.10 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	8.5	6.7	10.1

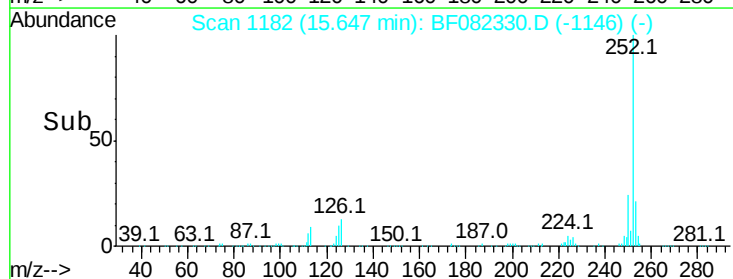
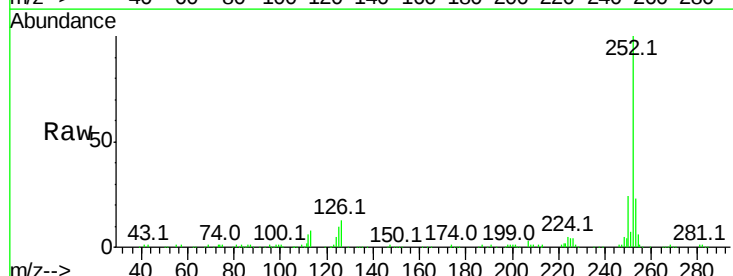
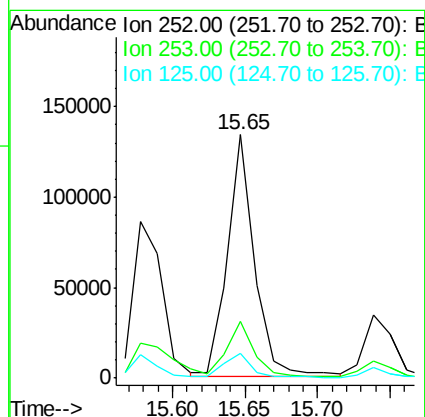
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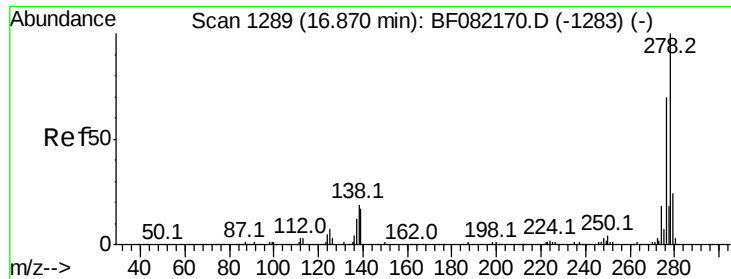
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#89
Benzo(a)pyrene
Concen: 14.51 ng
RT: 15.65 min Scan# 1182
Delta R.T. 0.11 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.2	8.9	13.3





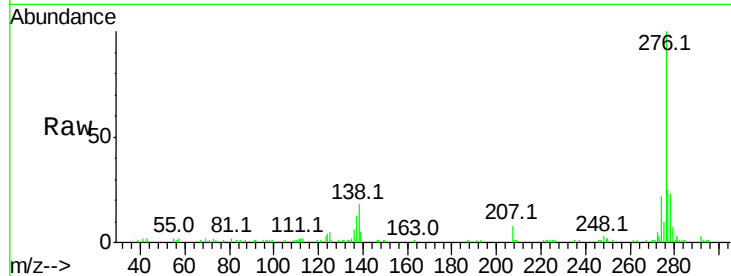
#90
Dibenzo(a,h)anthracene
Concen: 2.79 ng/mL
RT: 17.19 min Scan# 1317
Delta R.T. 0.14 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Instrument :
BNA_F
ClientSampleId :
TK1-3-20151015

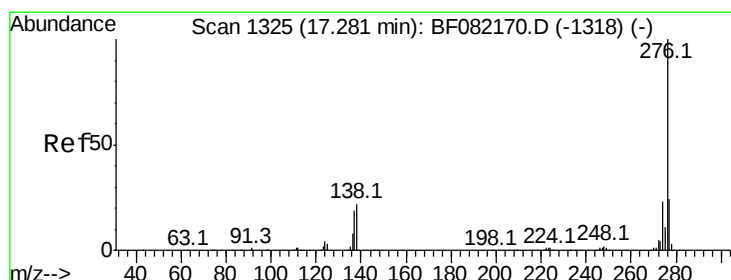
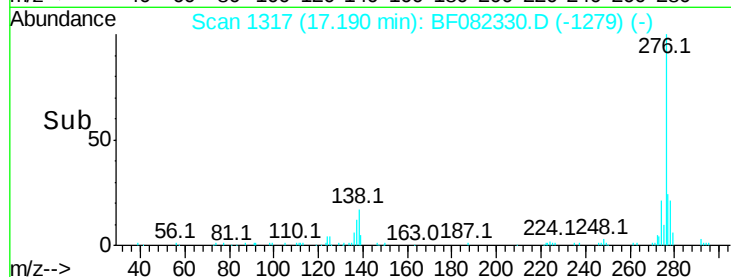
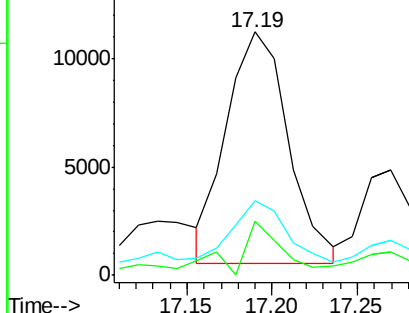
Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	13.3	19.9
279	30.8	18.9	28.3

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.06 ng/mL
RT: 17.62 min Scan# 1355
Delta R.T. 0.16 min
Lab File: BF082330.D
Acq: 16 Oct 2015 17:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	19.5	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

