

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082345.D
 Acq On : 17 Oct 2015 1:33
 Operator : UM/IZ
 Sample : G4009-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KW-1

Manual Integrations
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Quant Time: Oct 17 04:49:34 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 04:30:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	58296m	20.00	ng	0.02
21) Naphthalene-d8	8.25	136	263171	20.00	ng	0.01
38) Acenaphthene-d10	9.99	164	148492	20.00	ng	0.00
63) Phenanthrene-d10	11.47	188	301215	20.00	ng	0.00
75) Chrysene-d12	14.14	240	260235	20.00	ng	0.00
86) Perylene-d12	15.65	264	241160	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	65412	22.65	ng	0.01
7) Phenol-d6	6.61	99	90822	24.16	ng	0.01
23) Nitrobenzene-d5	7.53	82	55218	14.09	ng	0.01
41) 2,4,6-Tribromophenol	10.79	330	29917	21.48	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	146987	16.42	ng	0.01
78) Terphenyl-d14	13.06	244	153184	15.60	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.70	163	29853	2.85	ng	99
51) Acenaphthene	10.02	154	19431	2.33	ng	96
57) Fluorene	10.54	166	18857	2.01	ng	95
70) Phenanthrene	11.51	178	490541	33.22	ng	98
71) Anthracene	11.55	178	102295	6.72	ng	98
72) Carbazole	11.71	167	49296	3.55	ng	99
74) Fluoranthene	12.70	202	764399	48.20	ng	99
77) Pyrene	12.93	202	669914	43.38	ng	98
80) Benzo(a)anthracene	14.13	228	337564m	24.93	ng	
82) Chrysene	14.16	228	339887m	23.82	ng	
85) Indeno(1,2,3-cd)pyrene	17.16	276	152490	13.45	ng	94
87) Benzo(b)fluoranthene	15.21	252	371268m	25.30	ng	
88) Benzo(k)fluoranthene	15.22	252	178643m	14.49	ng	
89) Benzo(a)pyrene	15.59	252	265962	21.09	ng	98
90) Dibenzo(a,h)anthracene	17.16	278	42289m	4.09	ng	
91) Benzo(g,h,i)perylene	17.61	276	136568	13.60	ng	97

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

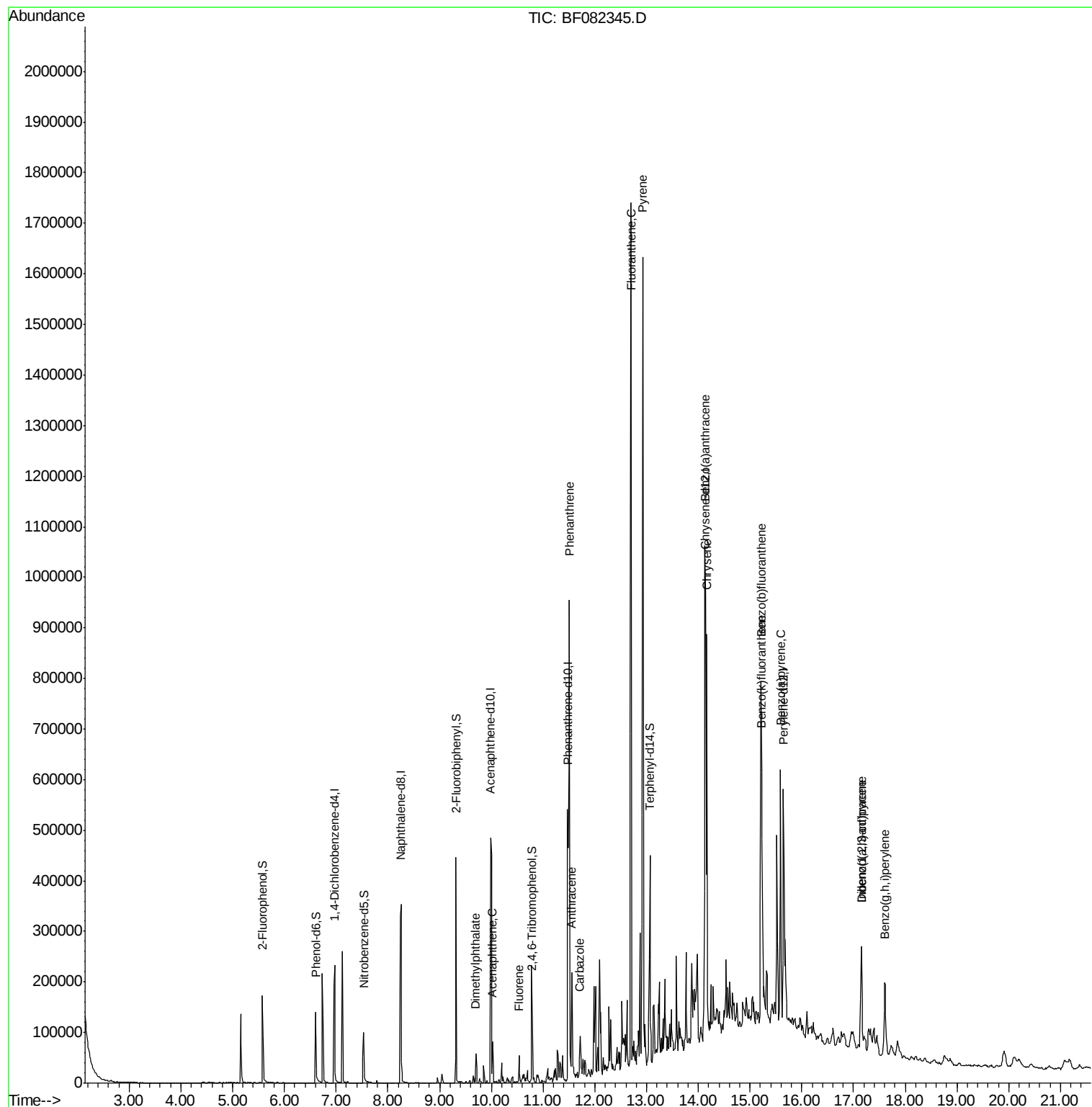
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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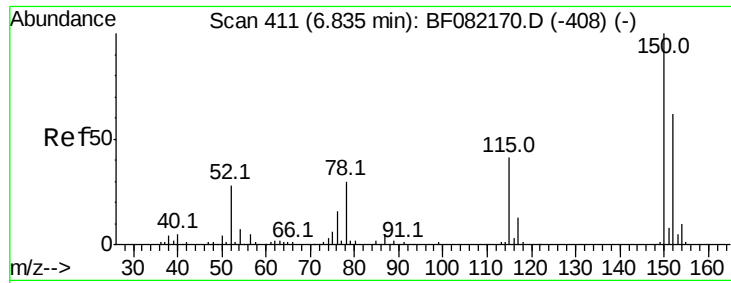
Instrument :
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Quant Time: Oct 17 04:49:34 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
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#1

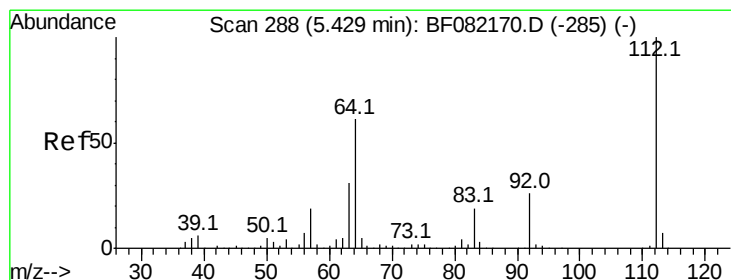
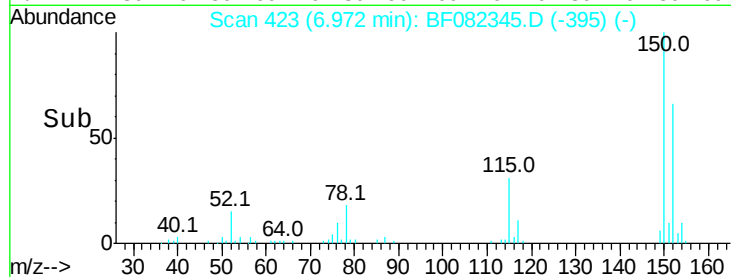
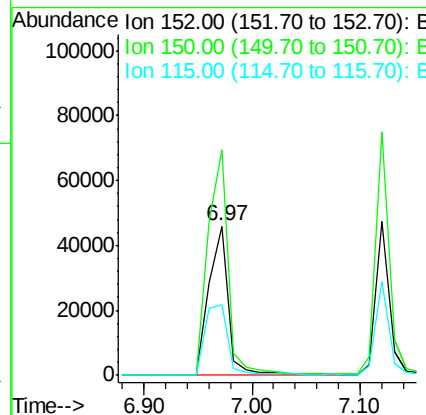
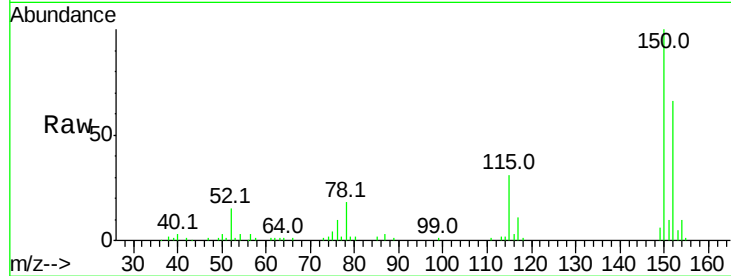
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.97 min Scan# 423
Delta R.T. 0.02 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampleID :
KW-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	129.0	193.4
115	47.4	52.1	78.1#

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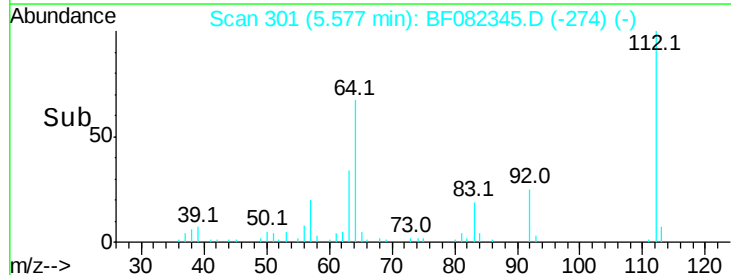
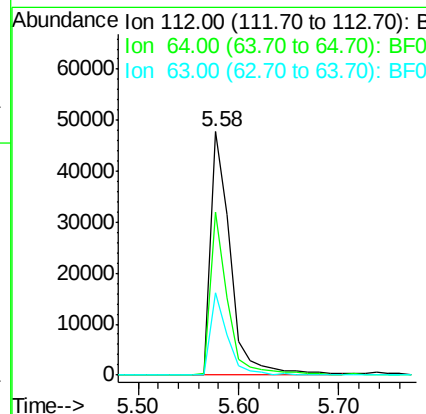
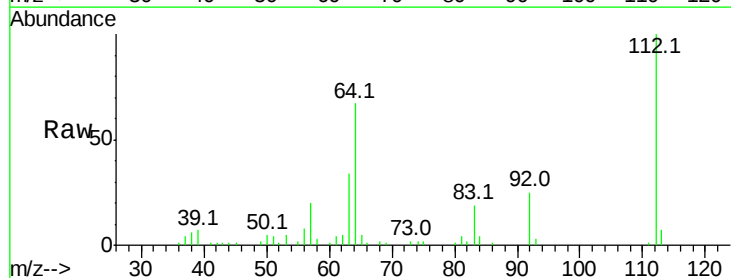
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#5

2-Fluorophenol
Concen: 22.65 ng
RT: 5.58 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	48.6	73.0
63	34.1	25.1	37.7





#7

Phenol-d6

Concen: 24.16 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

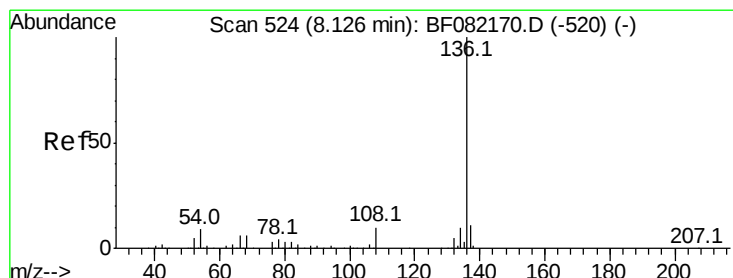
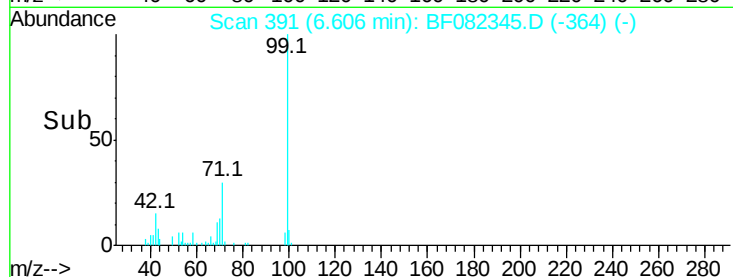
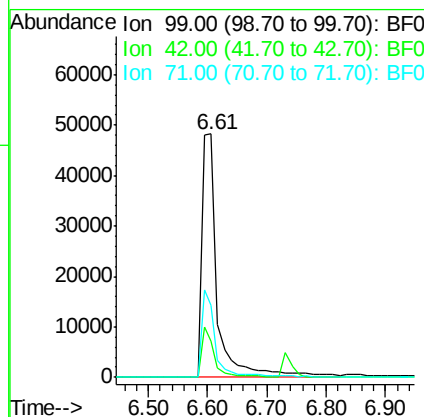
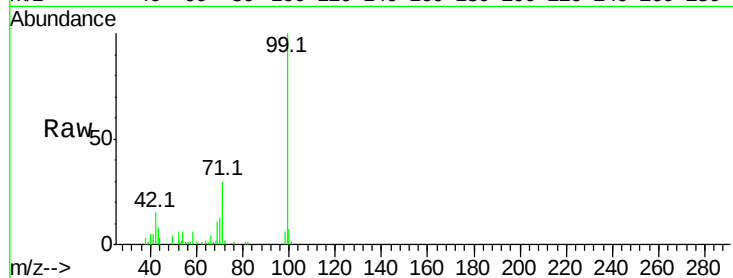
ClientSampleId :

KW-1

Tot Ion:	99	Resp:	90822
Ion Ratio	Lower	Upper	
99	100		
42	14.9	13.2	19.8
71	29.8	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

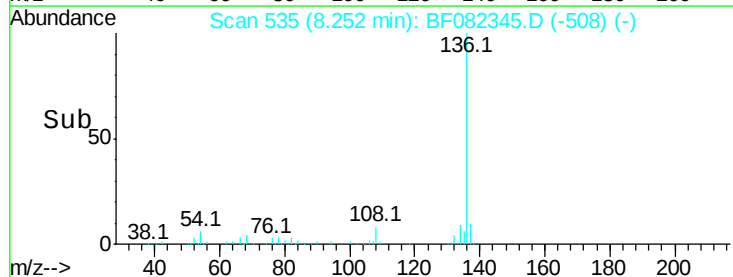
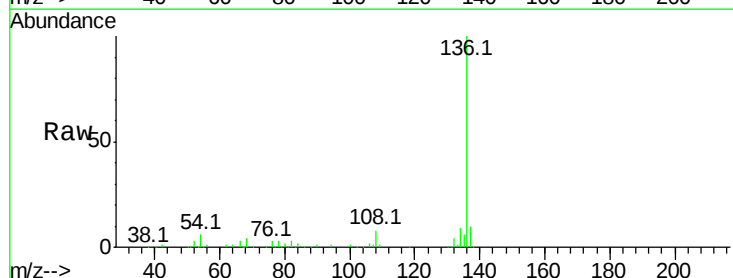
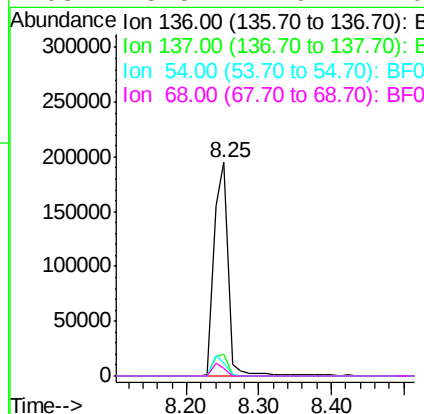
RT: 8.25 min Scan# 535

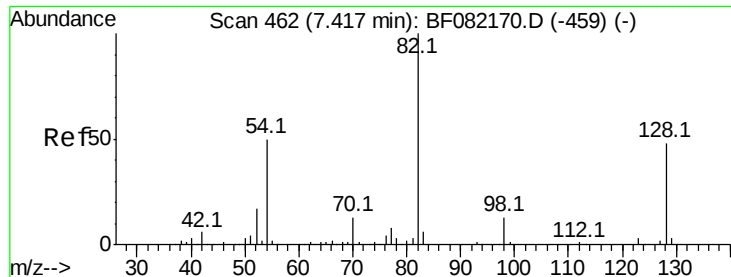
Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion:	136	Resp:	263171
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.0	13.6
54	5.7	7.5	11.3#
68	3.8	4.6	7.0#





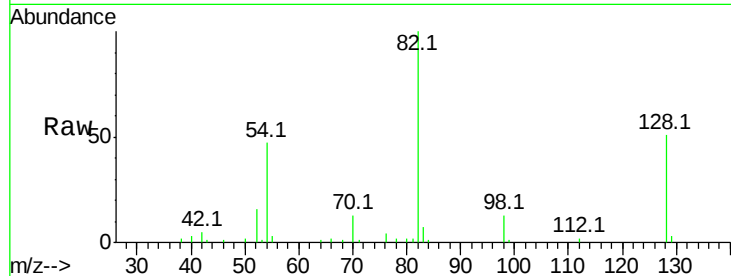
#23
Nitrobenzene-d5
Concen: 14.09 ng
RT: 7.53 min Scan# 472
Delta R.T. 0.01 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampled :
KW-1

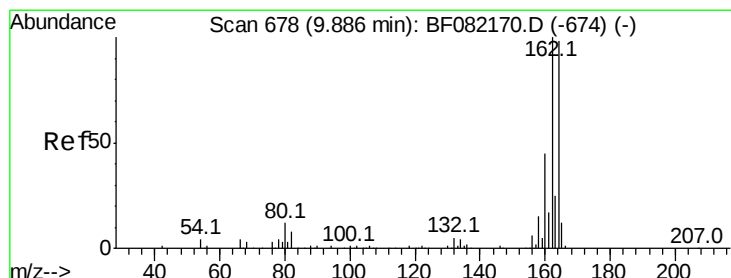
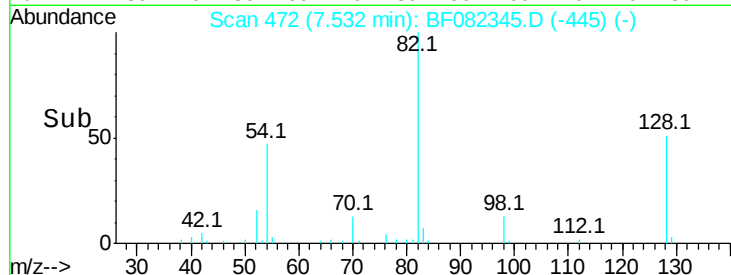
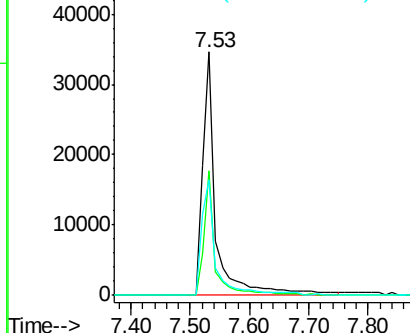
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	38.7	58.1
54	47.5	40.1	60.1

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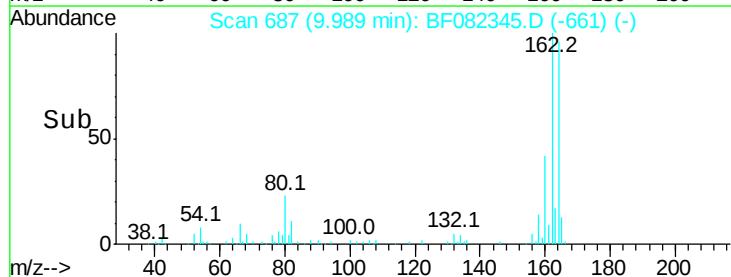
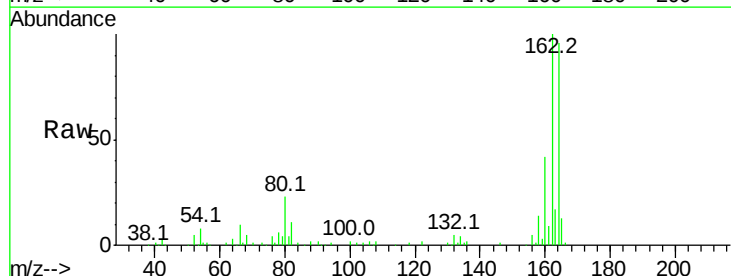
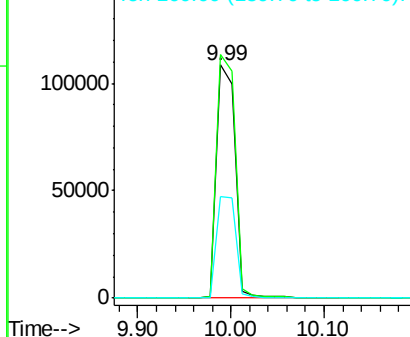
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.6	122.4
160	43.4	36.4	54.6

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





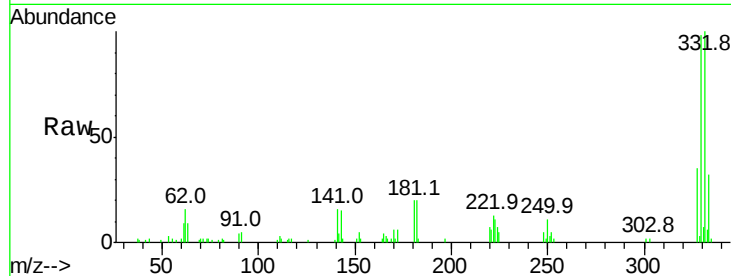
#41
 2,4,6-Tribromophenol
 Concen: 21.48 ng
 RT: 10.79 min Scan# 757
 Delta R.T. 0.01 min
 Lab File: BF082345.D
 Acq: 17 Oct 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 KW-1

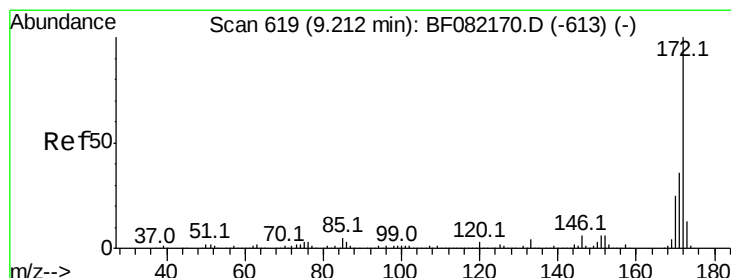
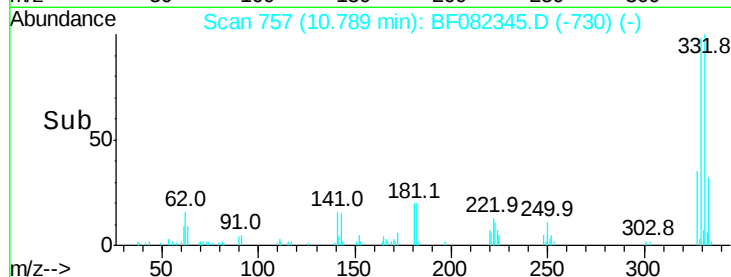
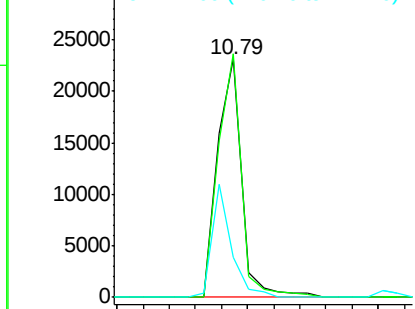
Tot Ion	Ratio	Resp	Lower	Upper
330	100	29917		
332	98.3		77.1	115.7
141	37.7		29.8	44.8

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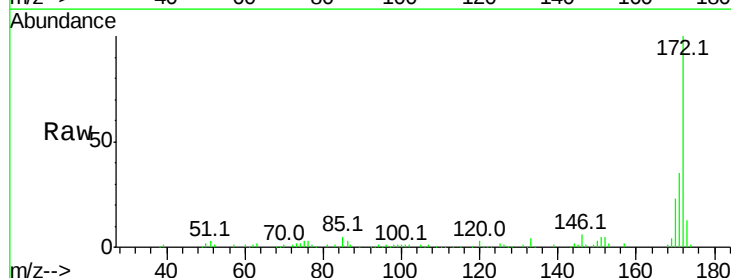


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

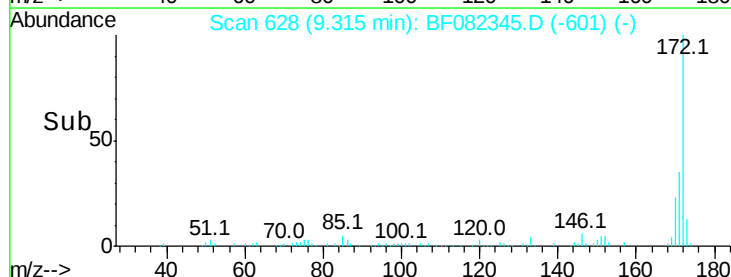
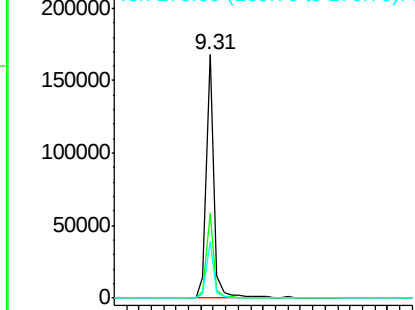


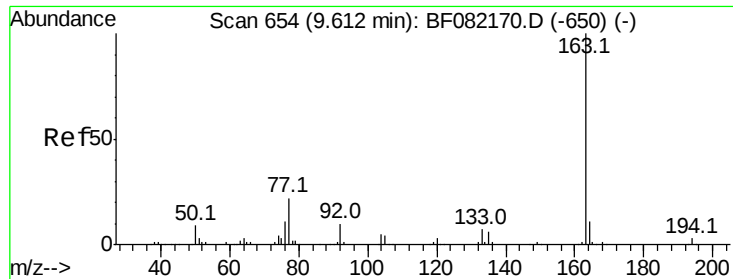
#44
 2-Fluorobiphenyl
 Concen: 16.42 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: BF082345.D
 Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	146987		
171	35.0		28.6	42.8
170	23.2		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





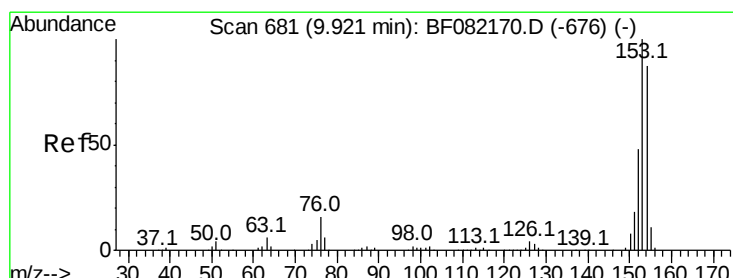
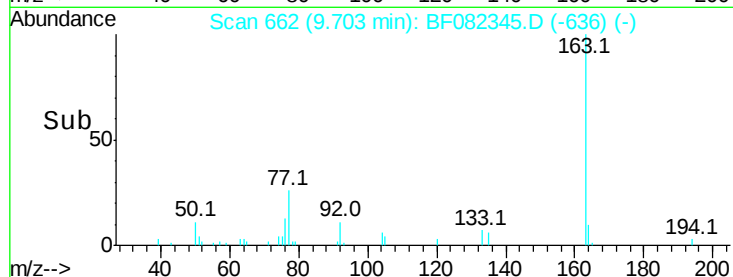
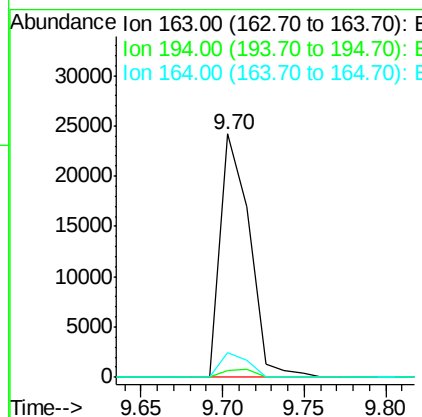
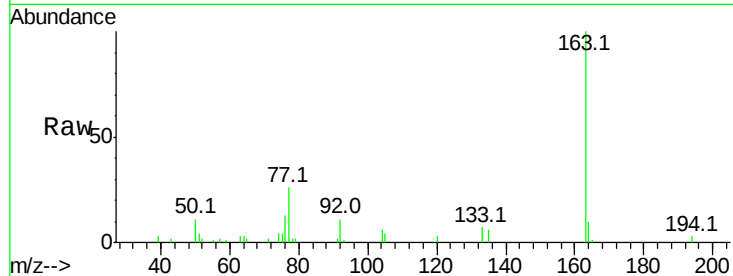
#49
Dimethylphthalate
Concen: 2.85 ng
RT: 9.70 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	29853		
194	2.8		2.6	4.0
164	10.3		8.5	12.7

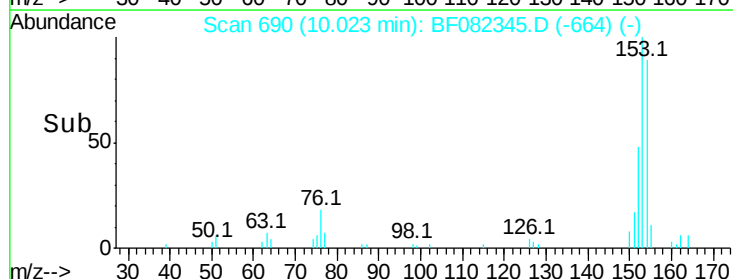
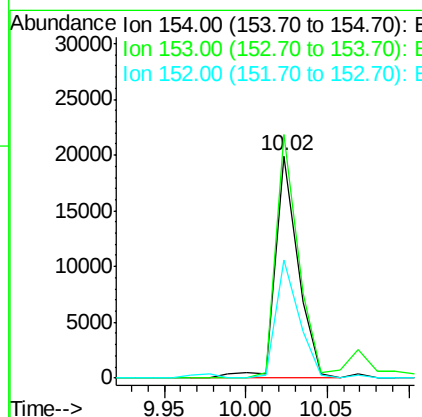
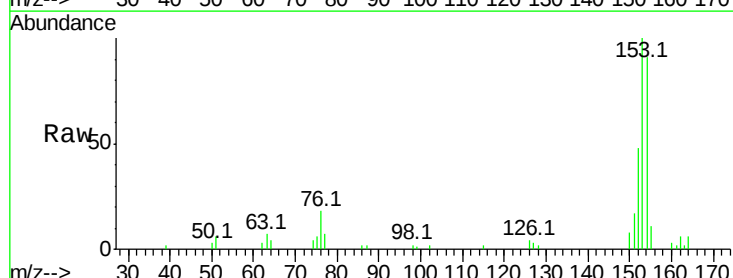
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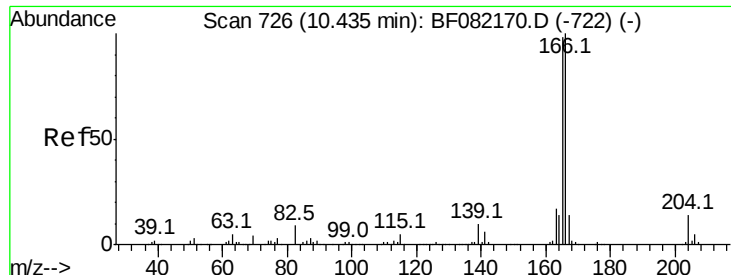
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#51
Acenaphthene
Concen: 2.33 ng
RT: 10.02 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	19431		
153	109.6		91.4	137.2
152	53.0		44.3	66.5





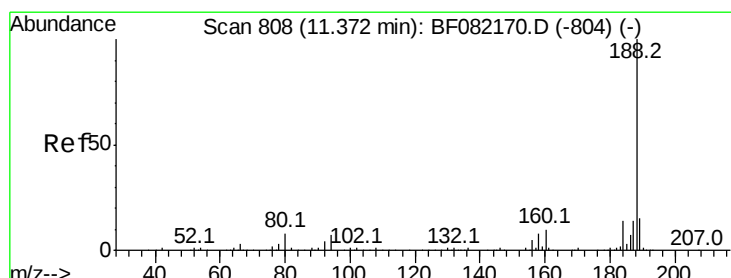
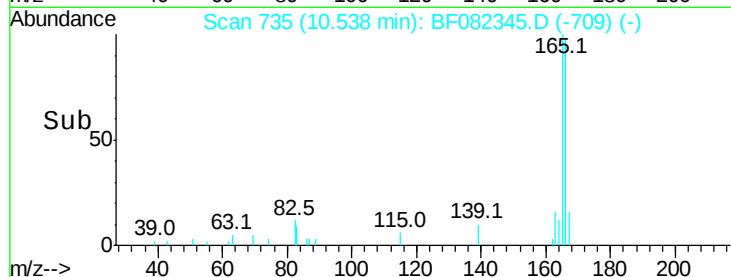
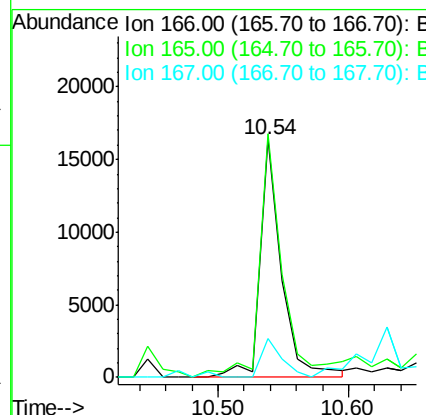
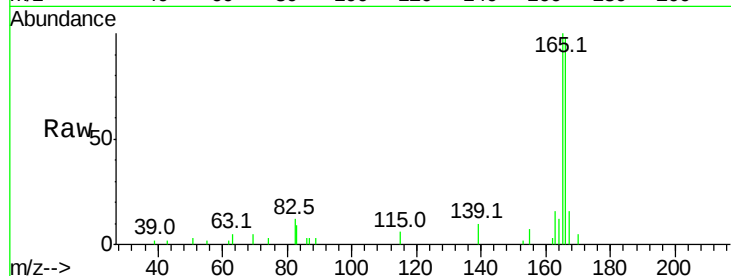
#57
Fluorene
Concen: 2.01 ng
RT: 10.54 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
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ClientSampleId :
KW-1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	18857		
165	102.1	78.3	117.5	
167	16.1	10.8	16.2	

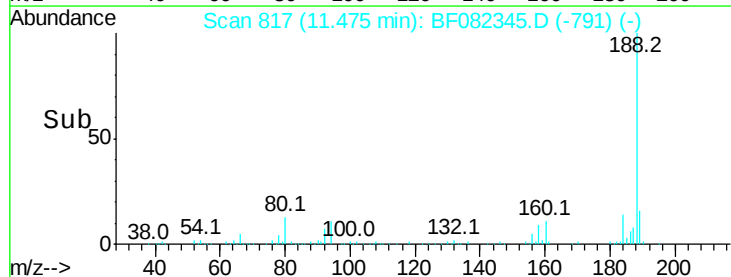
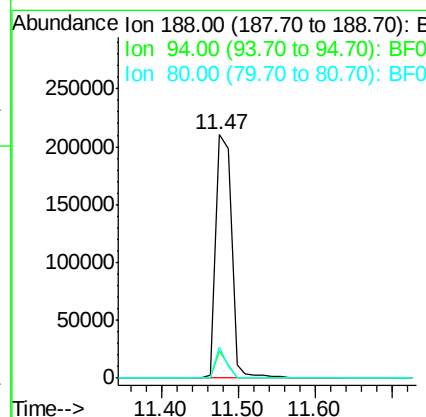
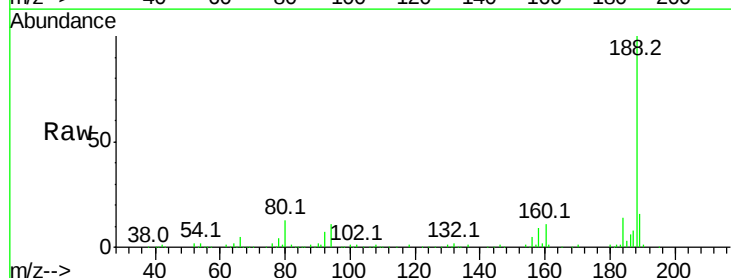
Manual Integrations
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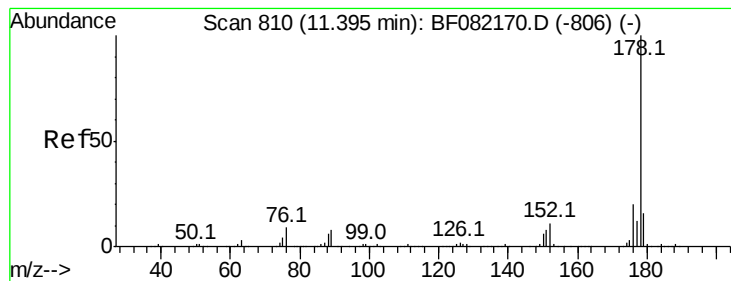
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.47 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301215		
94	11.4	5.8	8.6#	
80	12.9	6.4	9.6#	





#70

Phenanthrene

Concen: 33.22 ng

RT: 11.51 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

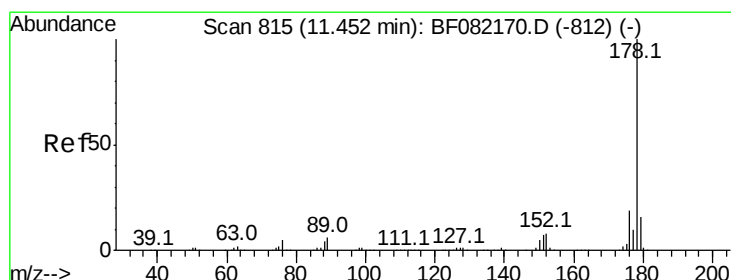
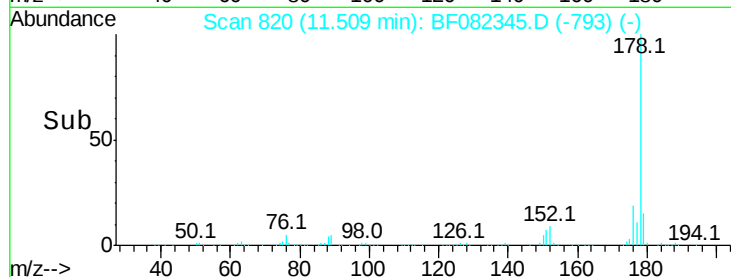
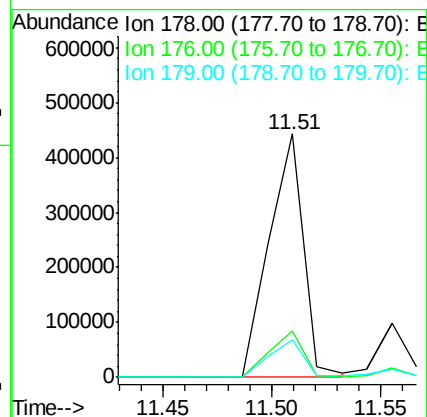
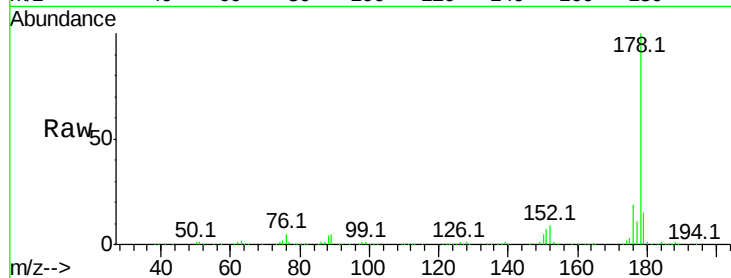
ClientSampleId :

KW-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.3	12.6	19.0

Manual Integrations
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#71

Anthracene

Concen: 6.72 ng

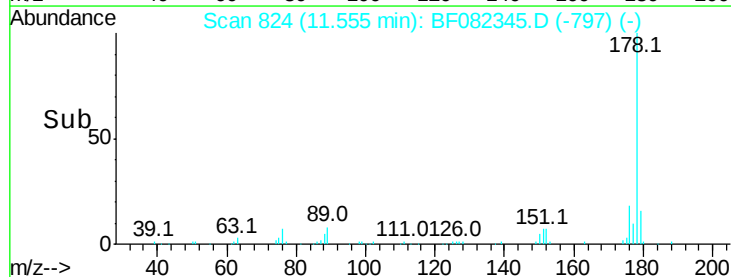
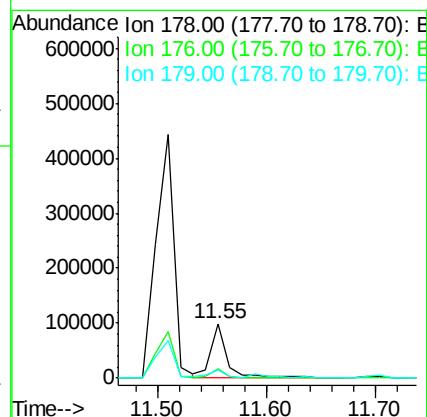
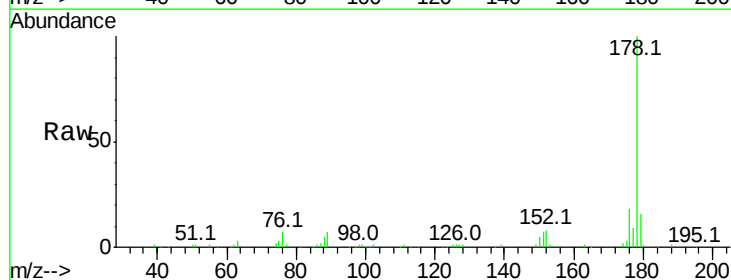
RT: 11.55 min Scan# 824

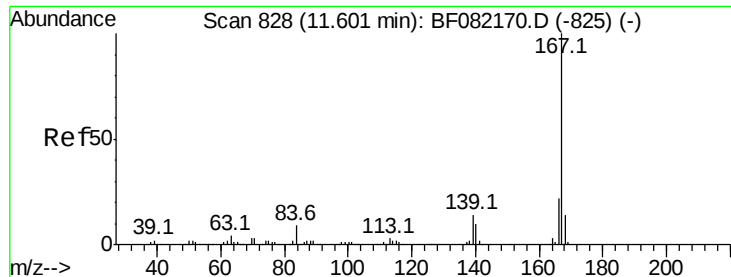
Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	15.9	12.5	18.7





#72

Carbazole

Concen: 3.55 ng

RT: 11.71 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

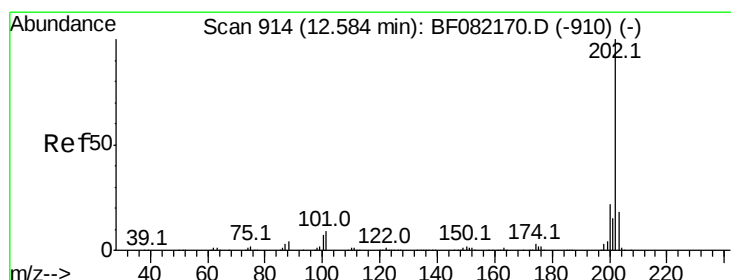
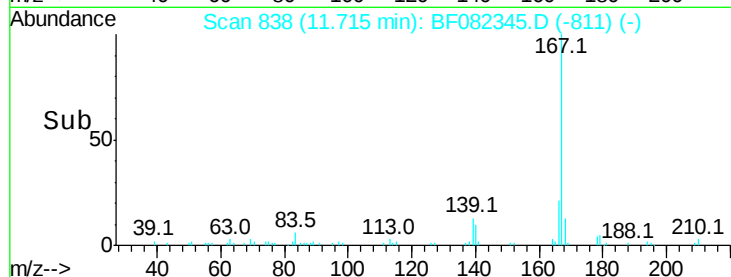
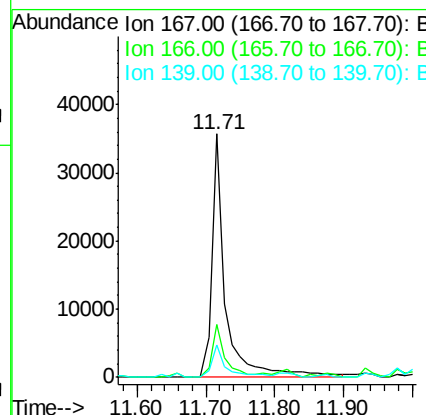
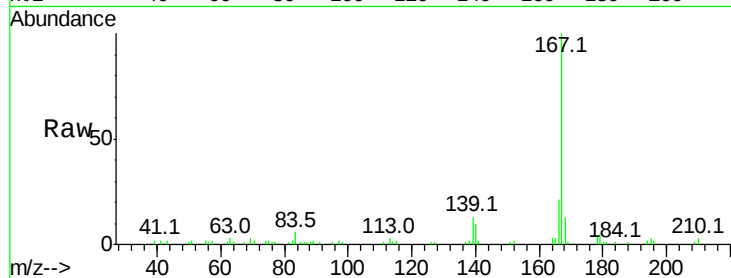
ClientSampleId :

KW-1

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	11.2	16.8

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#74

Fluoranthene

Concen: 48.20 ng

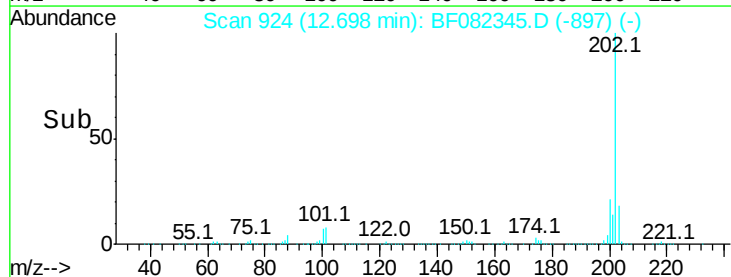
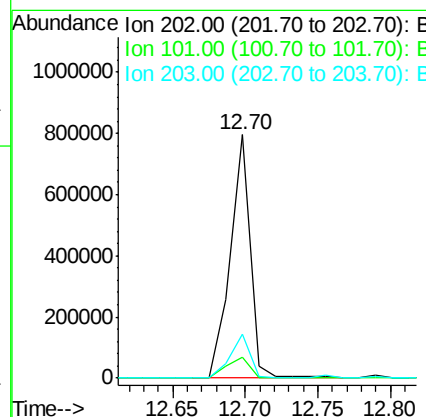
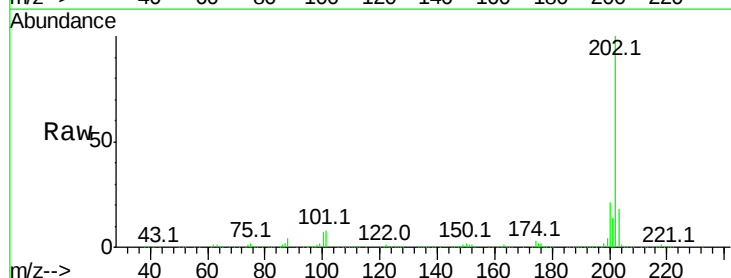
RT: 12.70 min Scan# 924

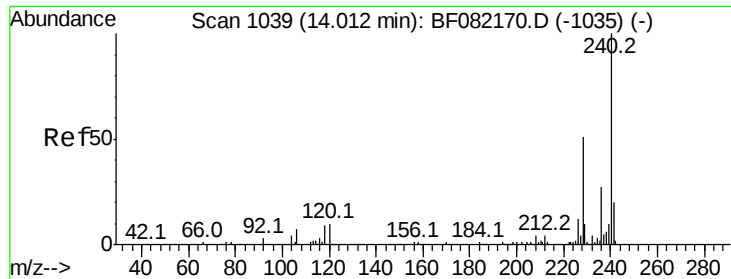
Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	29.3
203	17.9	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

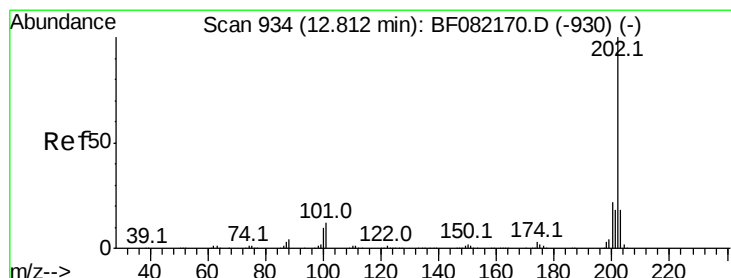
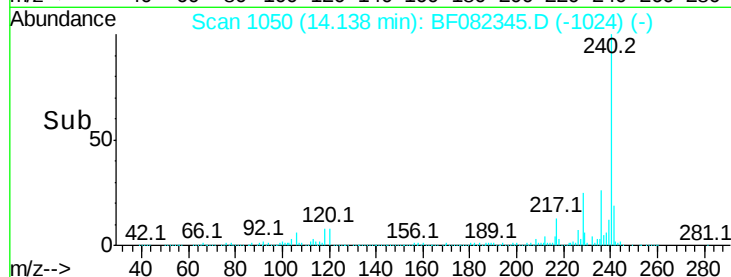
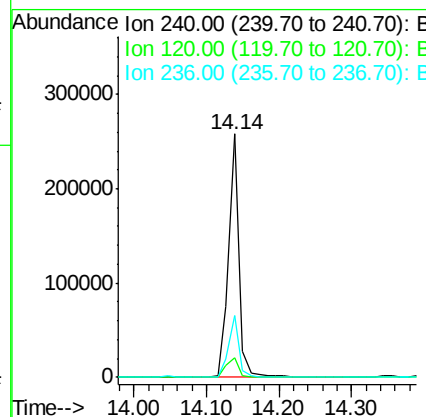
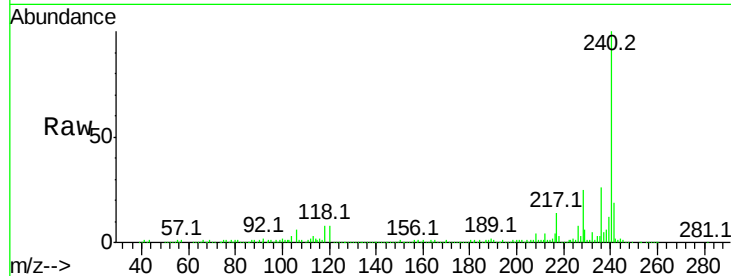
ClientSampleId :

KW-1

Tot Ion:	240	Resp:	260235
Ion Ratio	Lower	Upper	
240	100		
120	8.1	8.1	12.1
236	25.5	21.3	31.9

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#77

Pyrene

Concen: 43.38 ng

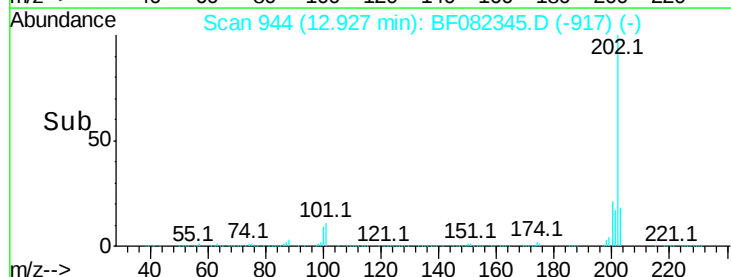
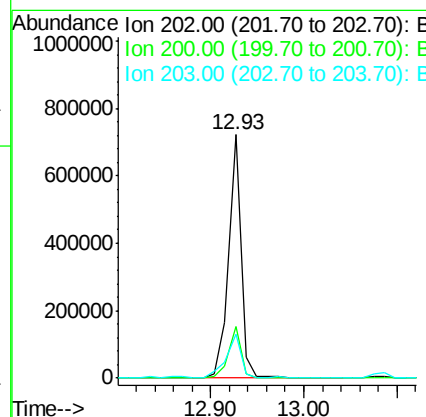
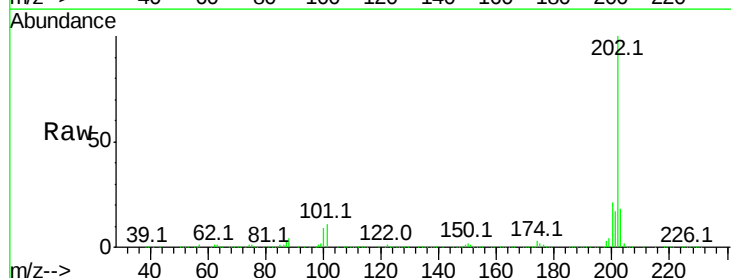
RT: 12.93 min Scan# 944

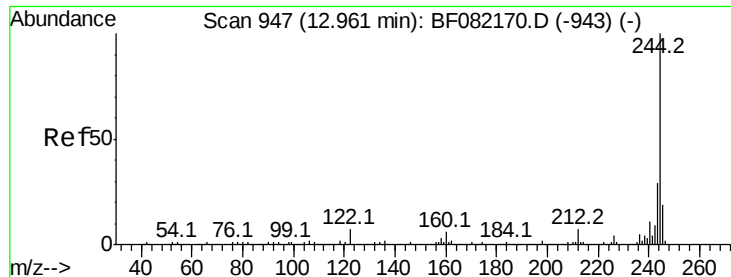
Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion:	202	Resp:	669914
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.9	26.9
203	18.2	14.5	21.7





#78

Terphenyl-d14

Concen: 15.60 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

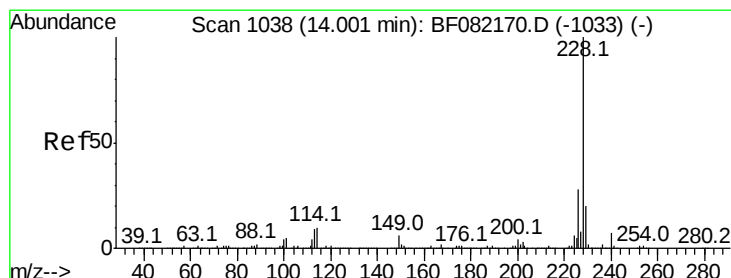
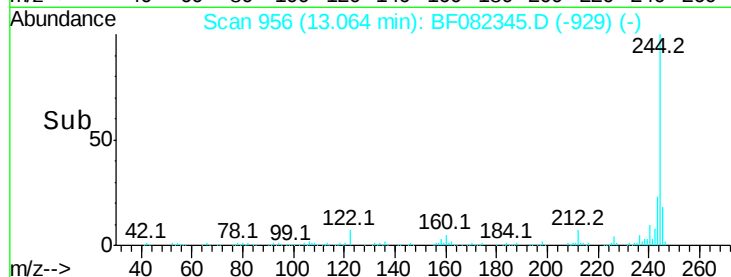
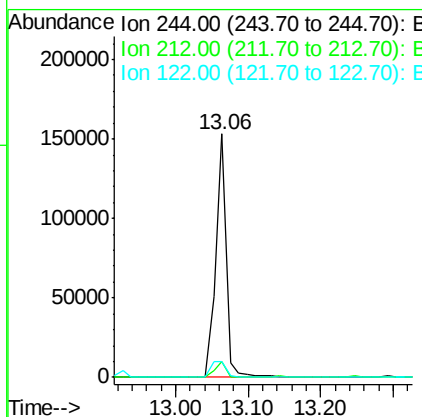
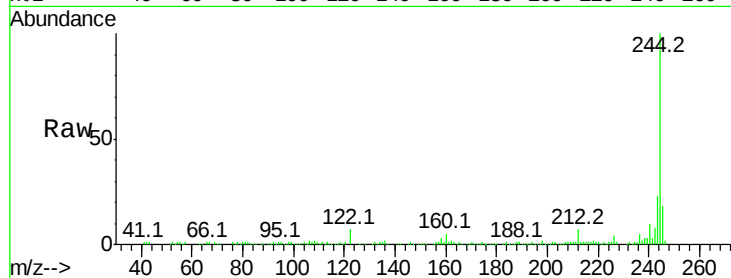
ClientSampleId :

KW-1

Tot Ion:	244	Resp:	153184
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	6.7	5.9	8.9

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#80

Benzo(a)anthracene

Concen: 24.93 ng m

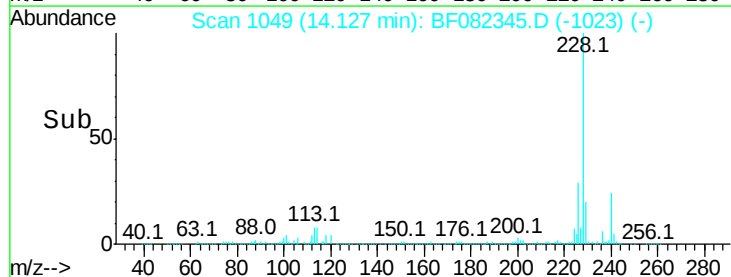
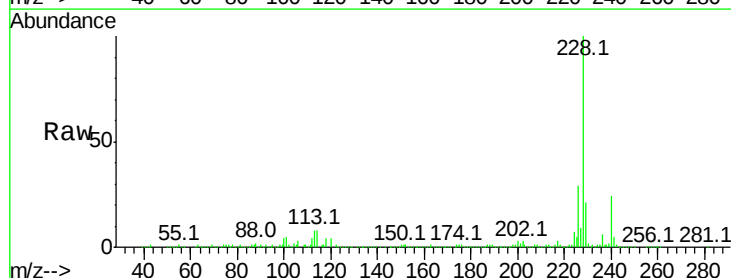
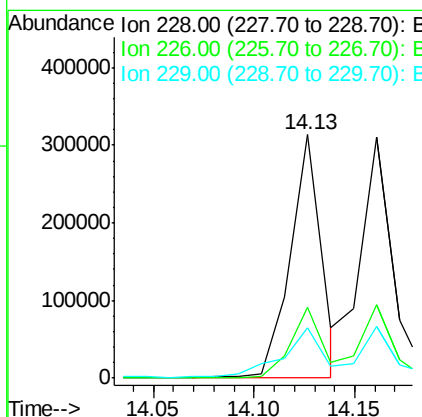
RT: 14.13 min Scan# 1049

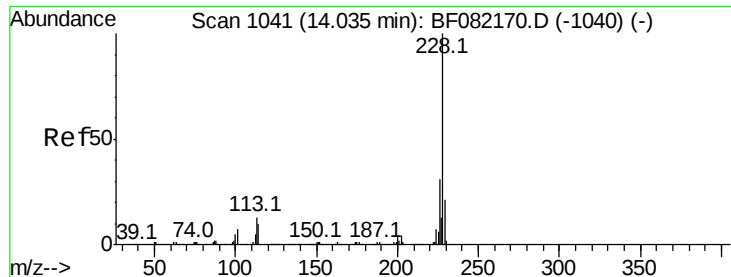
Delta R.T. 0.00 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion:	228	Resp:	337564
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.3	33.5
229	20.9	16.2	24.2





#82

Chrysene

Concen: 23.82 ng/mL

RT: 14.16 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Instrument :

BNA_F

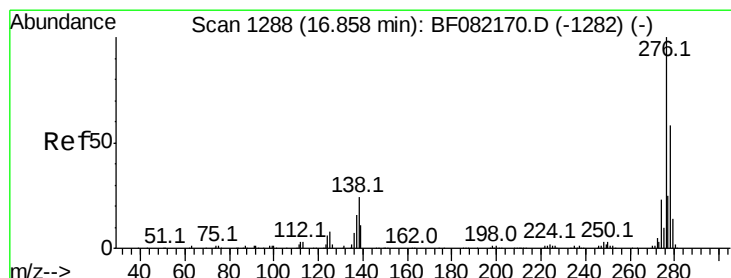
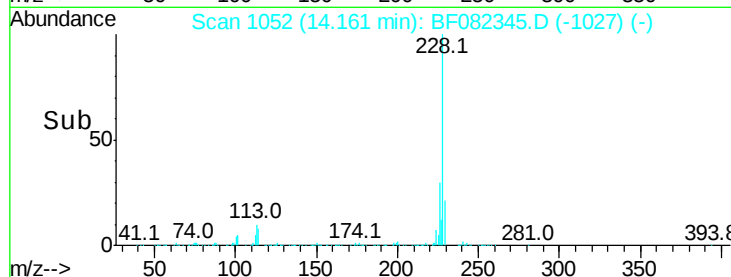
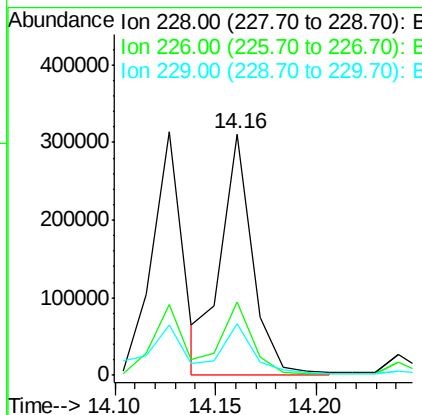
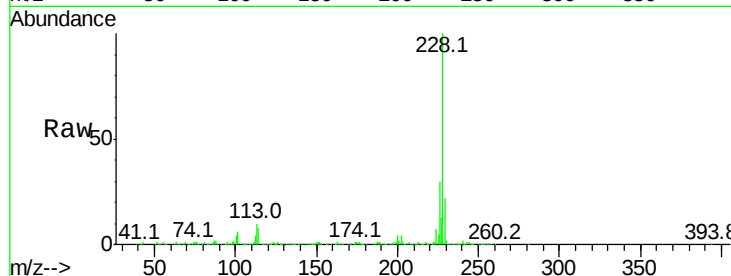
ClientSampleId :

KW-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	21.5	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.45 ng/mL

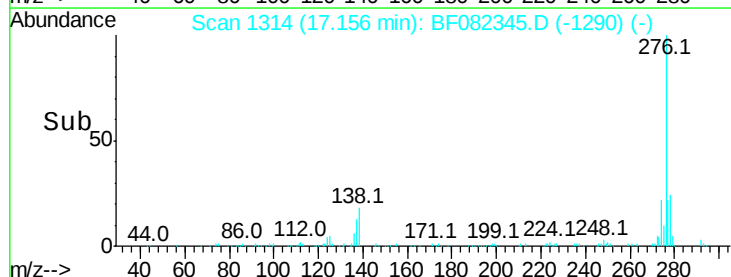
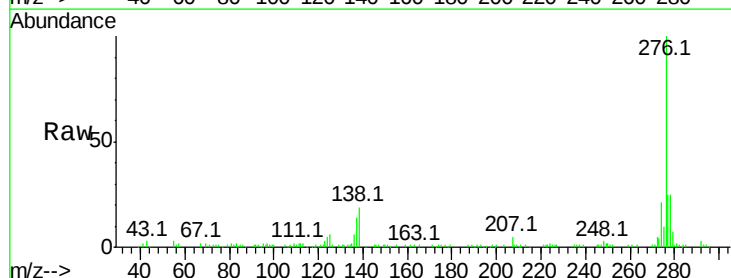
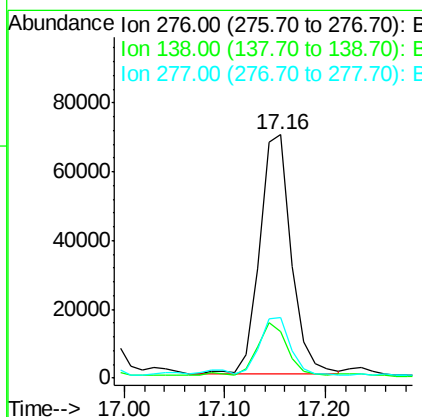
RT: 17.16 min Scan# 1314

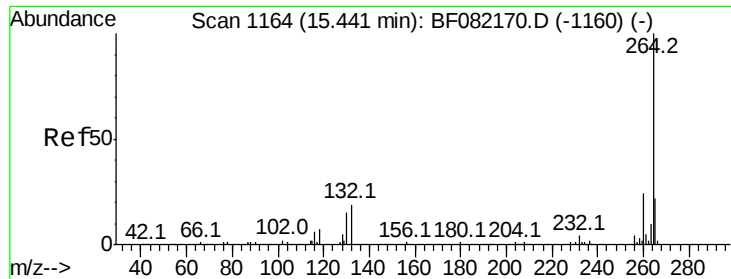
Delta R.T. -0.02 min

Lab File: BF082345.D

Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.7	29.5
277	23.3	20.1	30.1





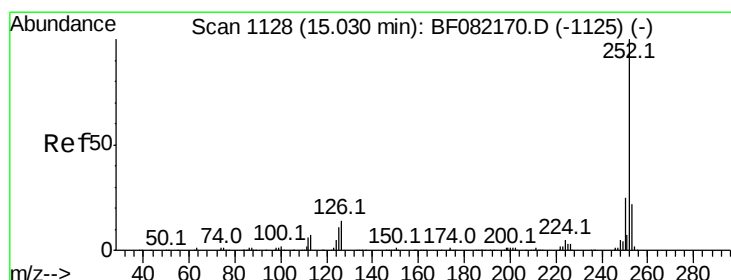
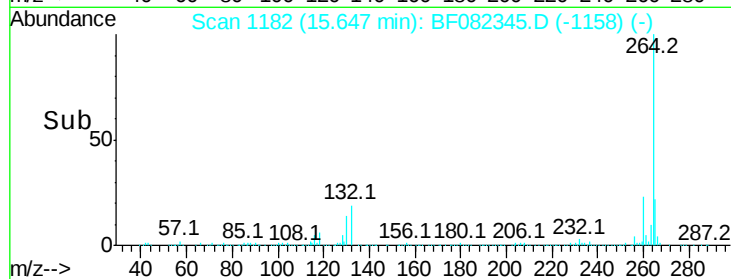
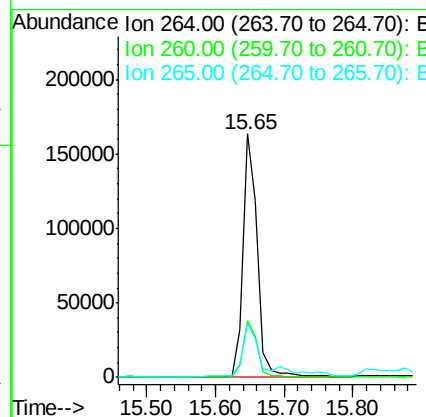
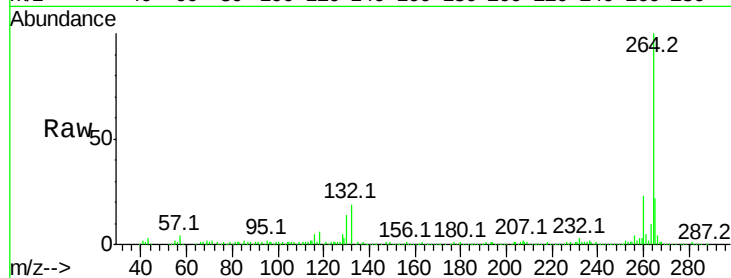
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1182
Delta R.T. -0.02 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampleId :
KW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.6
265	22.4	17.3	25.9

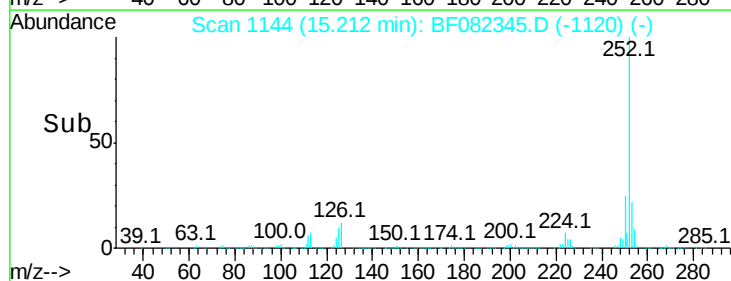
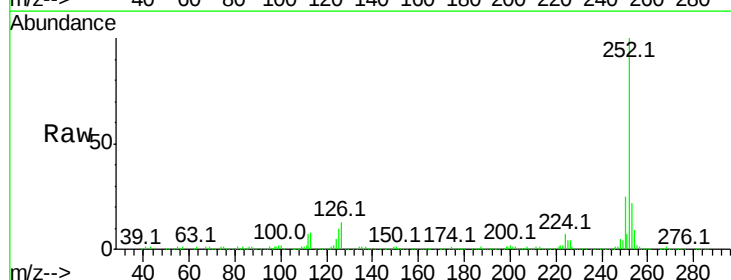
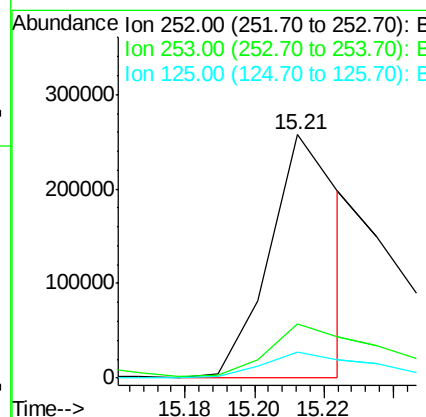
Manual Integrations
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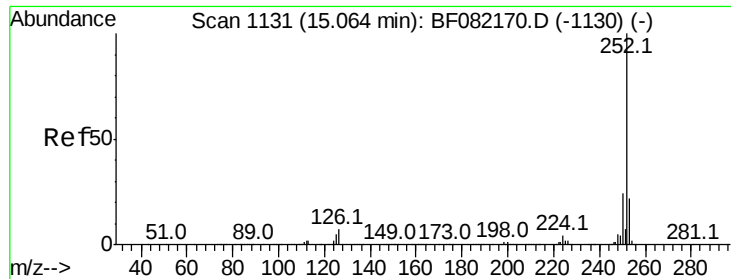
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 25.30 ng m
RT: 15.21 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.4	8.6	12.8





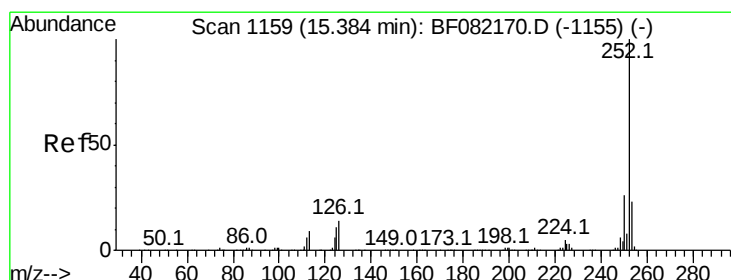
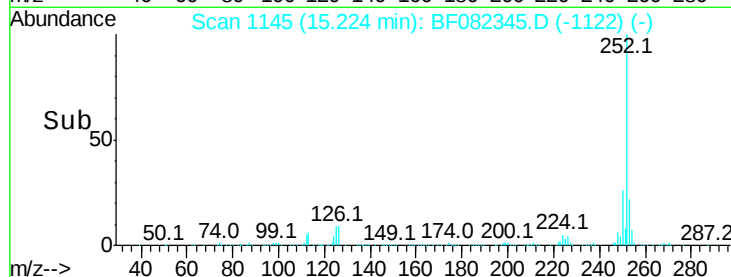
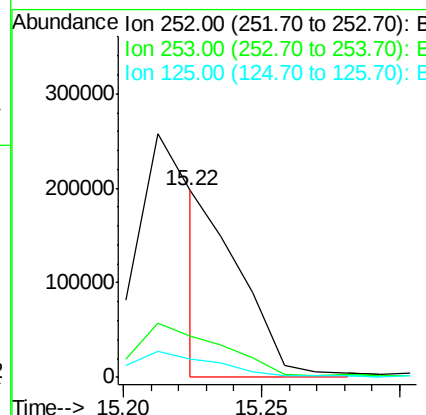
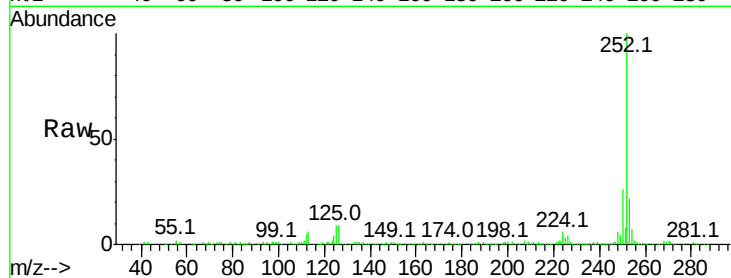
#88
Benzo(k)fluoranthene
Concen: 14.49 ng m
RT: 15.22 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampleId :
KW-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	178643		
253	22.4	17.8	26.6	
125	9.5	6.7	10.1	

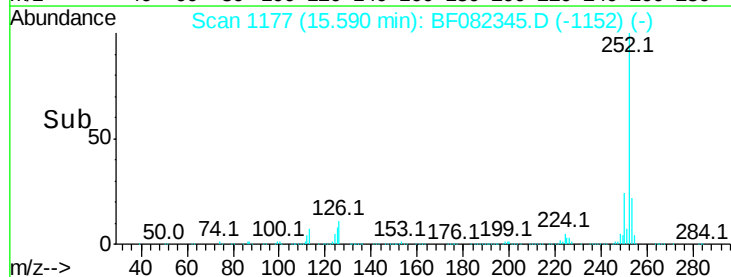
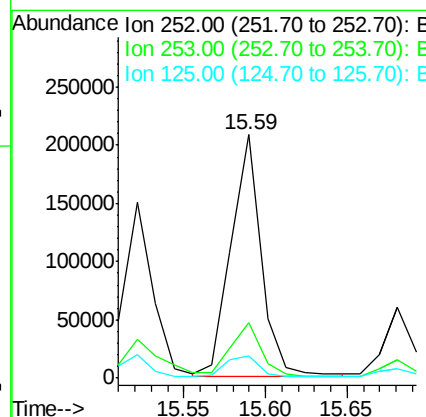
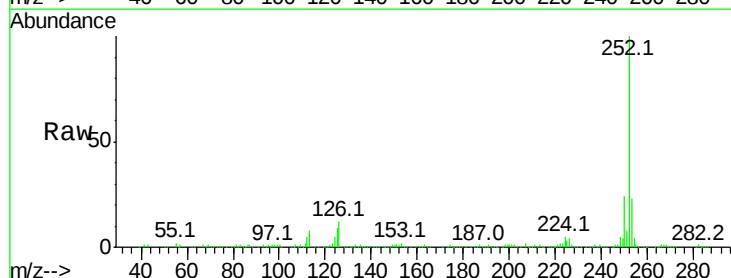
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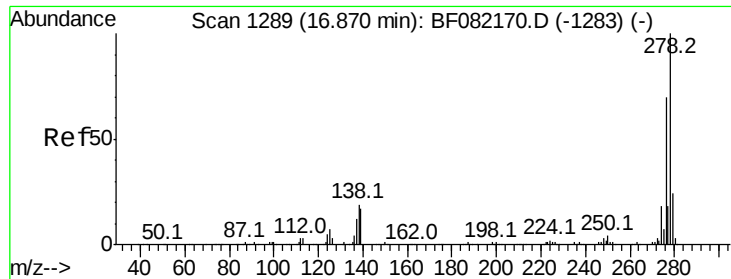
MMdadoda
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#89
Benzo(a)pyrene
Concen: 21.09 ng
RT: 15.59 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	265962		
253	22.7	18.2	27.2	
125	9.1	8.9	13.3	





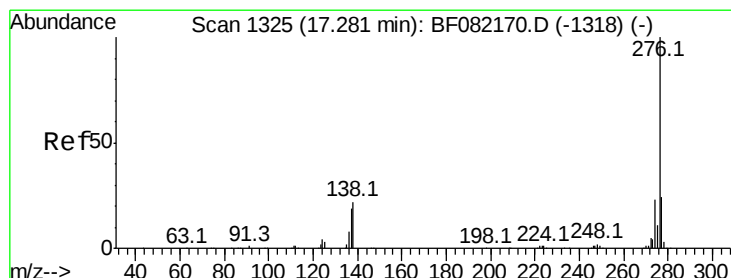
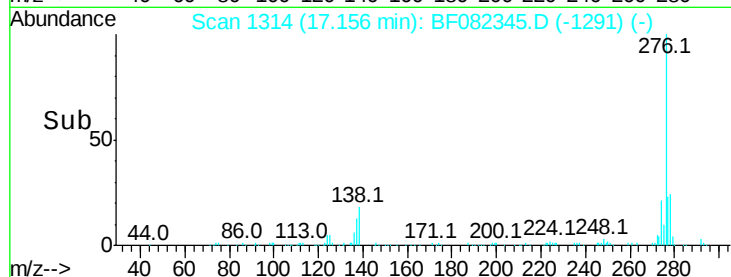
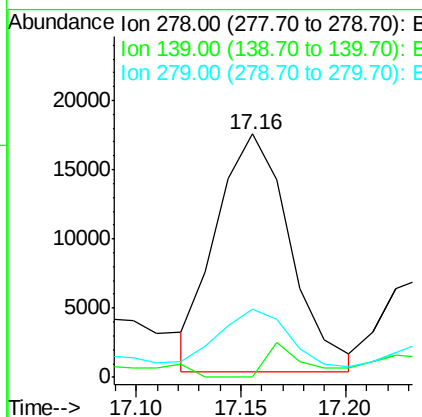
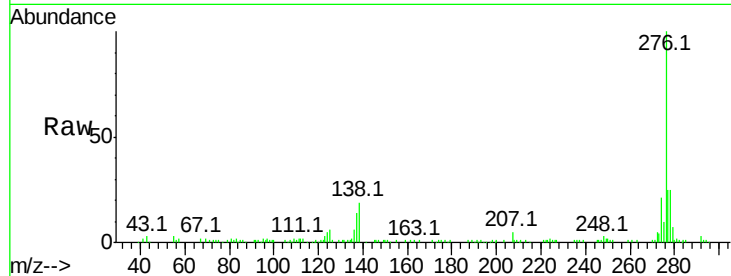
#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng m
RT: 17.16 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Instrument :
BNA_F
ClientSampleId :
KW-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.3	19.9#
279	28.0	18.9	28.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.60 ng
RT: 17.61 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF082345.D
Acq: 17 Oct 2015 1:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	19.3	17.4	26.2

