

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083903.D
 Acq On : 18 Dec 2015 8:04
 Operator : UM/SJ
 Sample : G4759-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2

Manual Integrations
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 12/18/2015 6:22:06 PM

Quant Time: Dec 18 12:20:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	117738m	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	480437	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	177883	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	238286	20.00	ng	0.02
75) Chrysene-d12	14.08	240	198577	20.00	ng	0.05
86) Perylene-d12	15.53	264	158219	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	395204	52.53	ng	0.02
7) Phenol-d6	6.53	99	460305	49.98	ng	0.02
23) Nitrobenzene-d5	7.45	82	316871	37.64	ng	0.01
41) 2,4,6-Tribromophenol	10.72	330	90651	46.26	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	513706	36.97	ng	0.00
78) Terphenyl-d14	13.01	244	302355	31.66	ng	0.03
Target Compounds						
49) Dimethylphthalate	9.64	163	153583	10.29	ng	Qvalue 99
70) Phenanthrene	11.44	178	29478	2.05	ng	# 83
74) Fluoranthene	12.64	202	50728	3.53	ng	85
80) Benzo(a)anthracene	14.07	228	40272	3.30	ng	# 72
82) Chrysene	14.10	228	36304m	3.08	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	27764	3.15	ng	94
87) Benzo(b)fluoranthene	15.11	252	51292m	4.45	ng	
88) Benzo(k)fluoranthene	15.12	252	20030m	2.10	ng	
91) Benzo(g,h,i)perylene	17.41	276	46116	6.35	ng	# 90

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

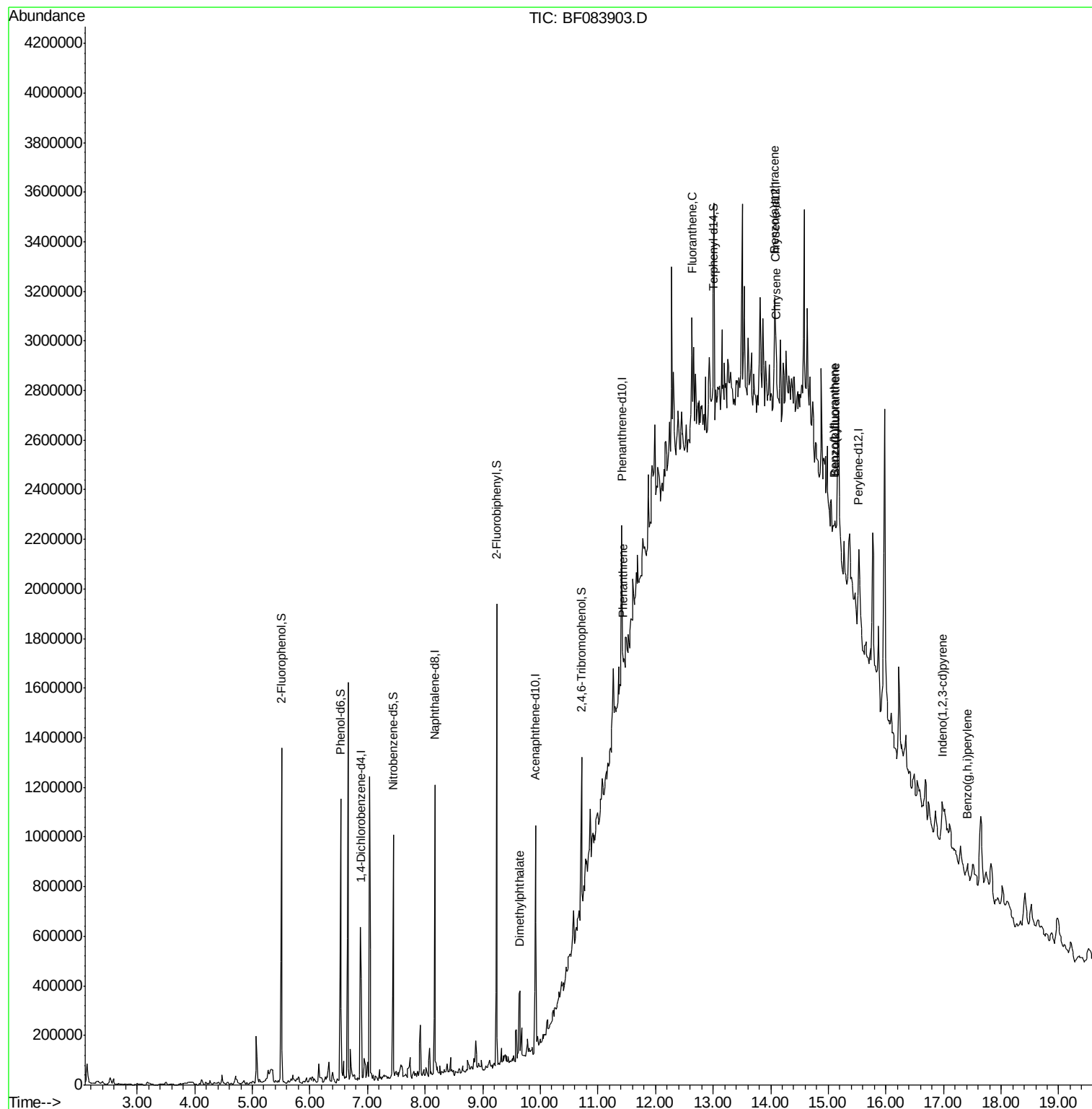
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083903.D
Acq On : 18 Dec 2015 8:04
Operator : UM/SJ
Sample : G4759-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

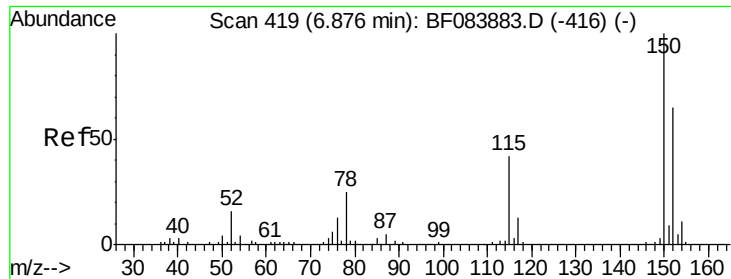
Instrument :
BNA_F
ClientSampleId :
K1210-0-2

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Quant Time: Dec 18 12:20:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

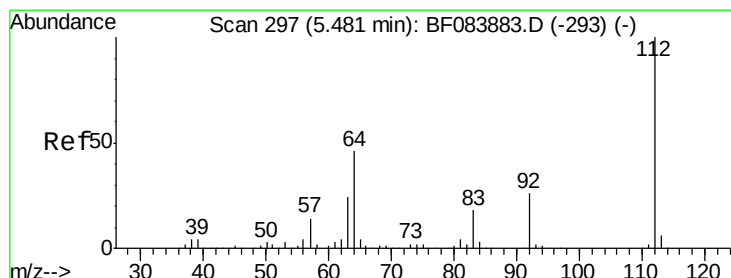
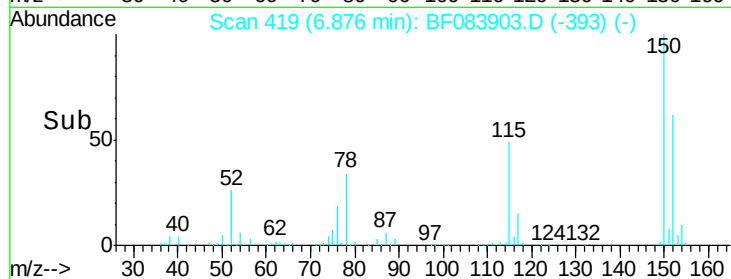
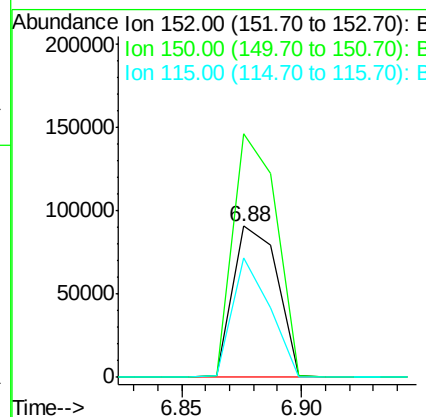
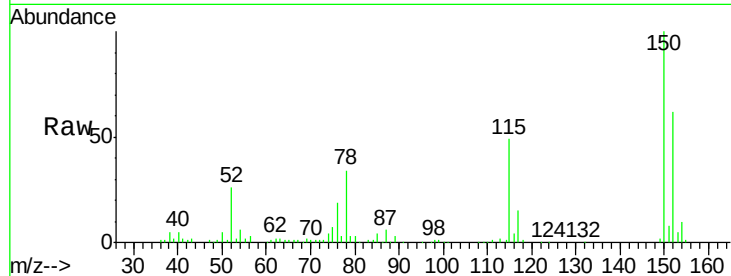
ClientSampleId :

K1210-0-2

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.4	123.0	184.4
115	79.3	51.4	77.2#



#5

2-Fluorophenol

Concen: 52.53 ng

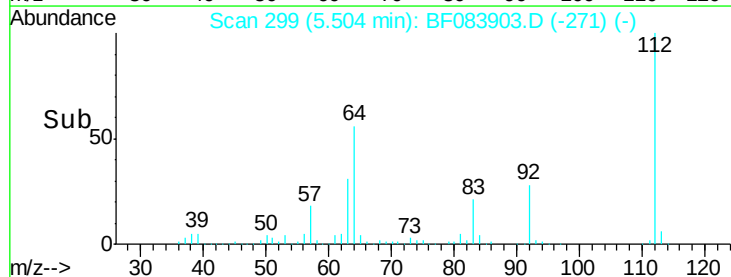
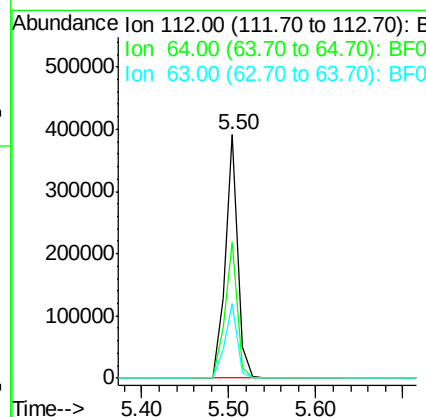
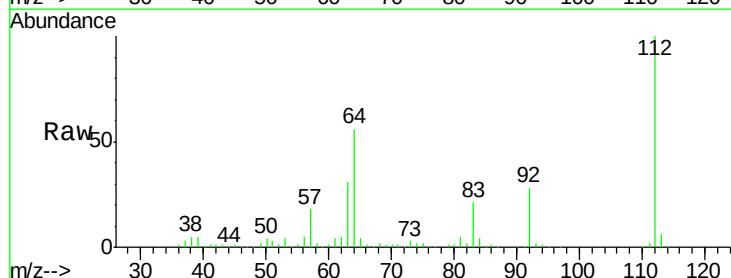
RT: 5.50 min Scan# 299

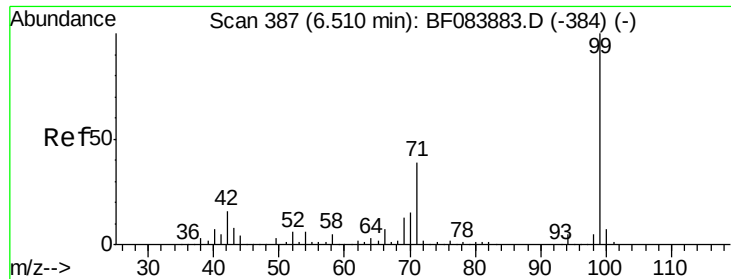
Delta R.T. 0.02 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	36.6	55.0#
63	30.7	19.4	29.0#





#7

Phenol-d6

Concen: 49.98 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

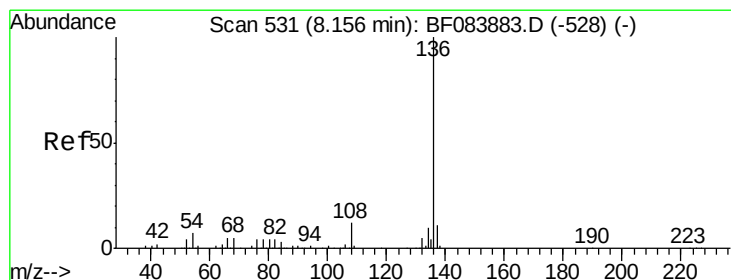
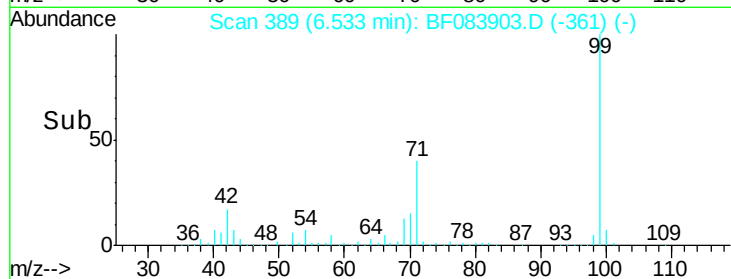
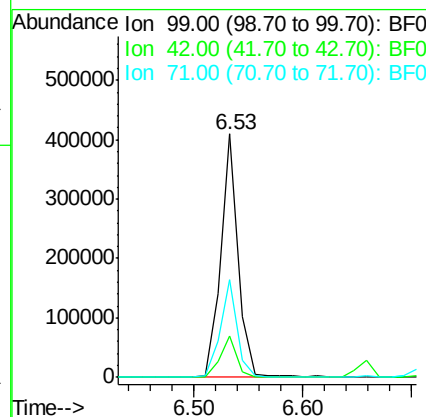
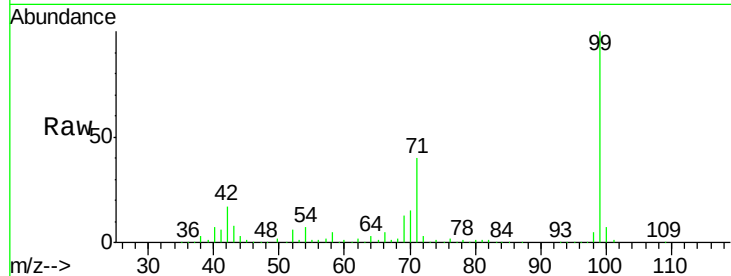
ClientSampleId :

K1210-0-2

Tgt Ion:	99	Resp:	460305
Ion Ratio	Lower	Upper	
99	100		
42	17.2	12.8	19.2
71	40.3	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

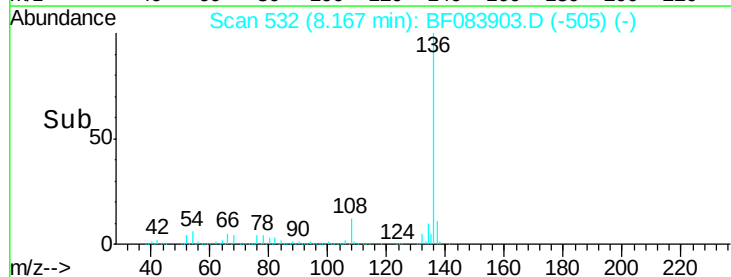
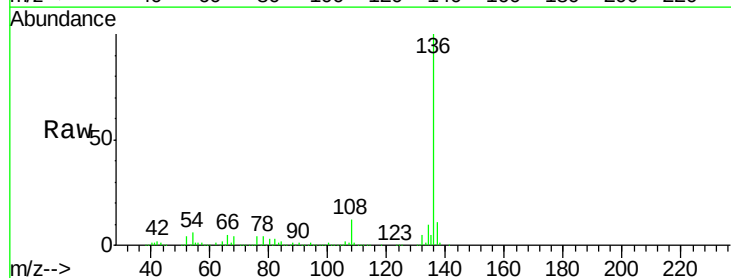
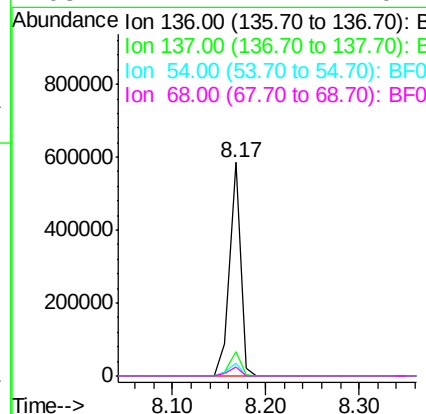
RT: 8.17 min Scan# 532

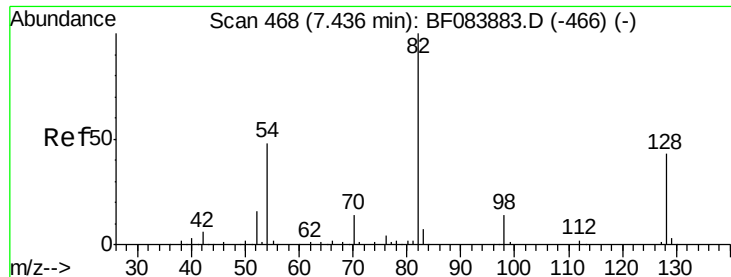
Delta R.T. 0.01 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion:	136	Resp:	480437
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	6.0	5.8	8.8
68	4.4	4.2	6.2





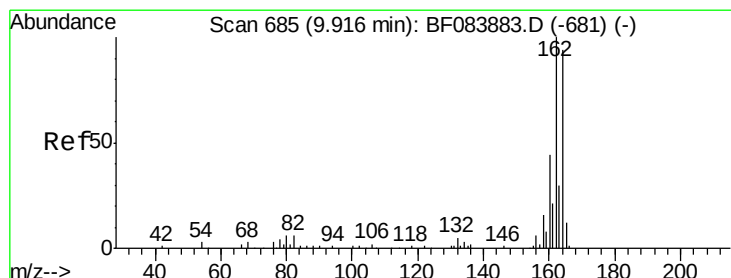
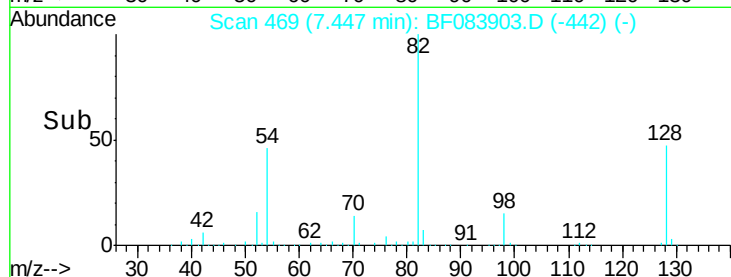
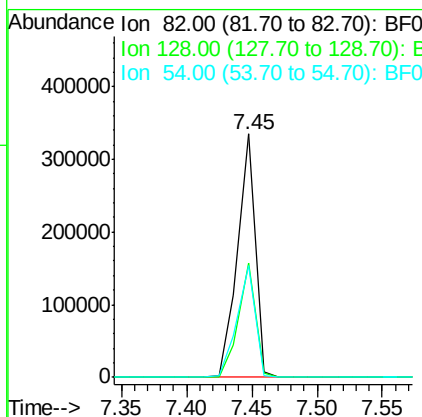
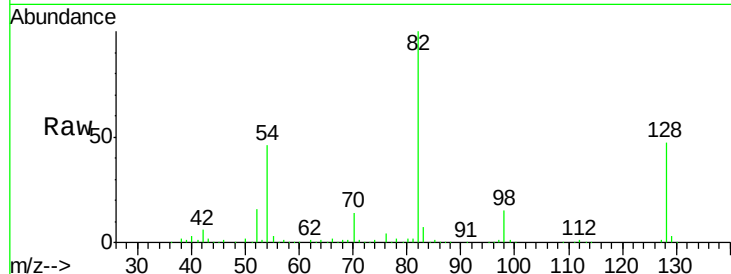
#23
 Nitrobenzene-d5
 Concen: 37.64 ng
 RT: 7.45 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	316871		
128	47.1	34.6	51.8	
54	46.0	38.4	57.6	

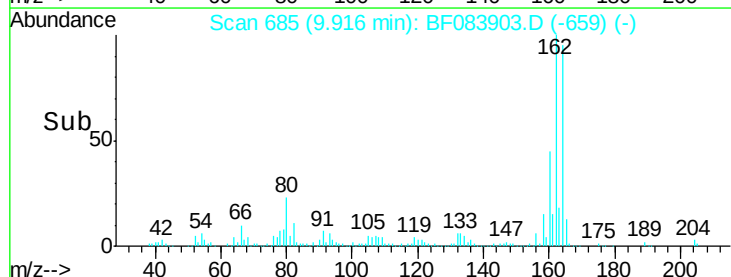
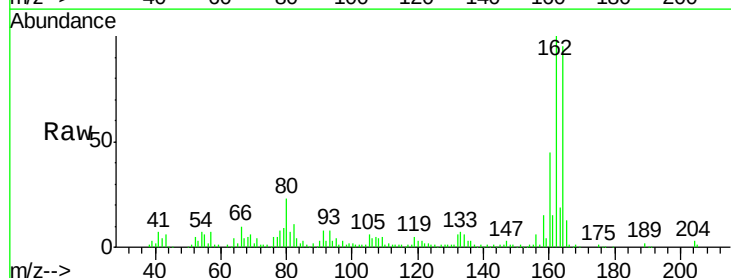
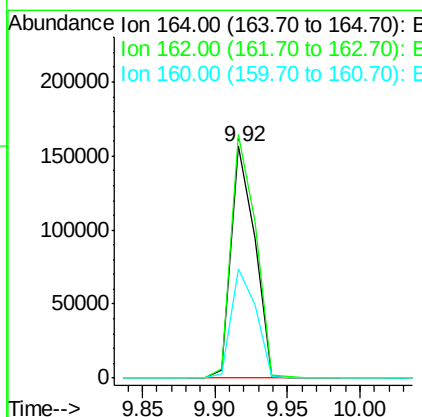
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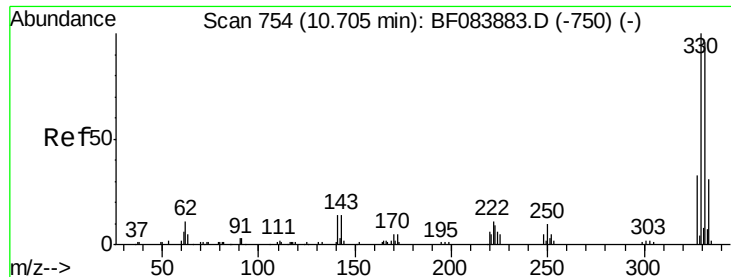
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	177883		
162	105.0	85.1	127.7	
160	46.9	37.5	56.3	





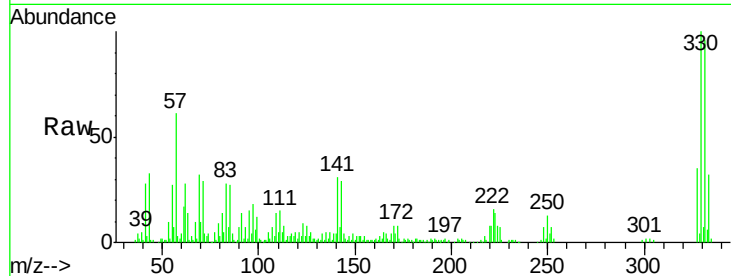
#41
 2,4,6-Tribromophenol
 Concen: 46.26 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2

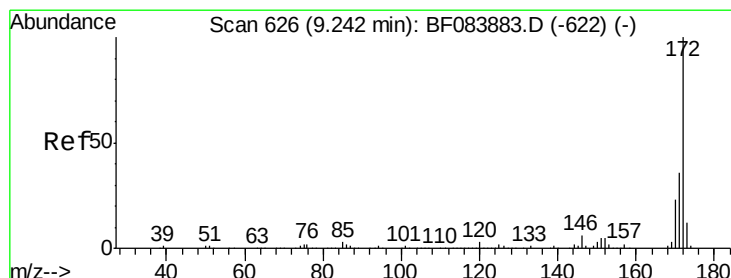
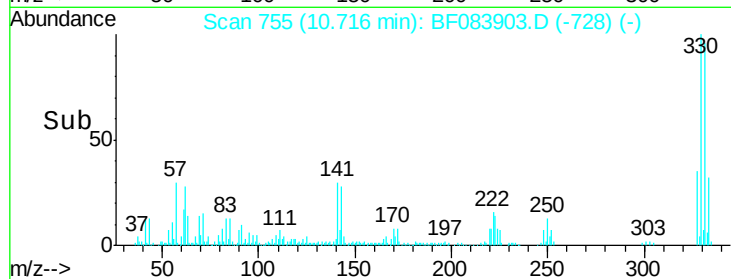
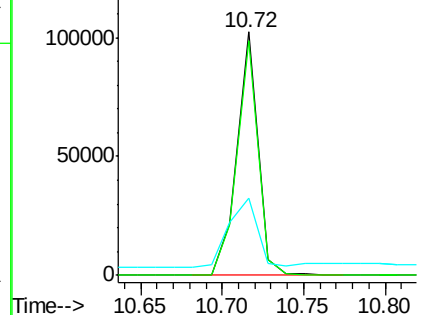
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	90651		
332	96.5	76.6	114.8	
141	38.5	27.8	41.6	

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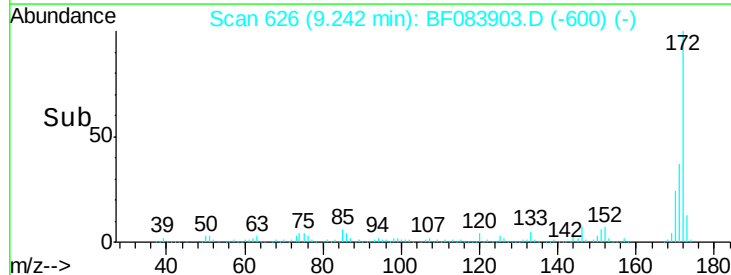
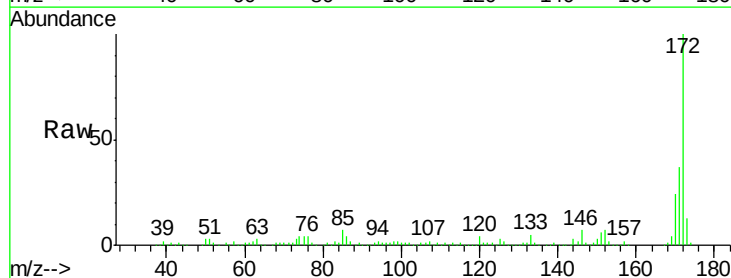
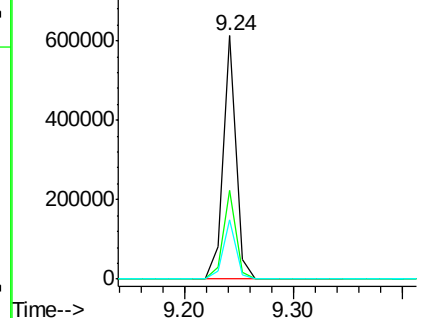
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

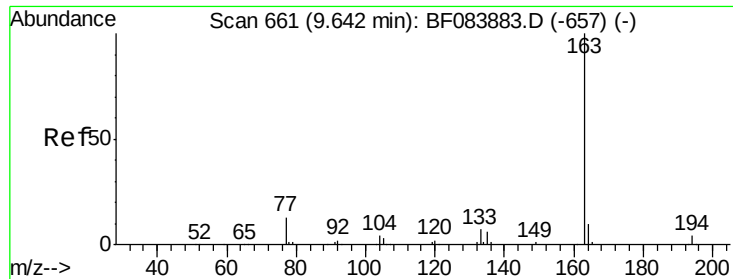


#44
 2-Fluorobiphenyl
 Concen: 36.97 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	513706		
171	36.7	28.9	43.3	
170	24.3	18.6	27.8	

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





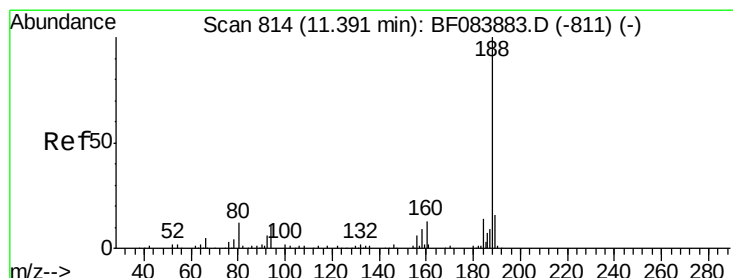
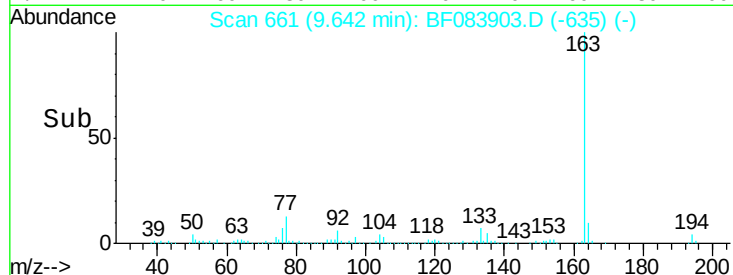
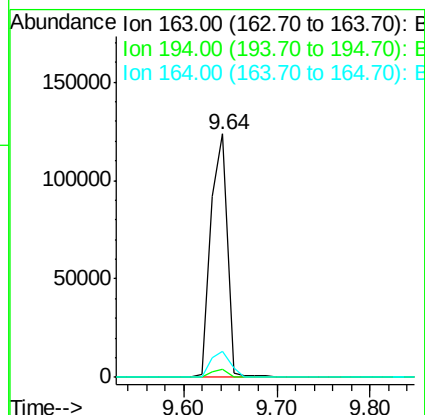
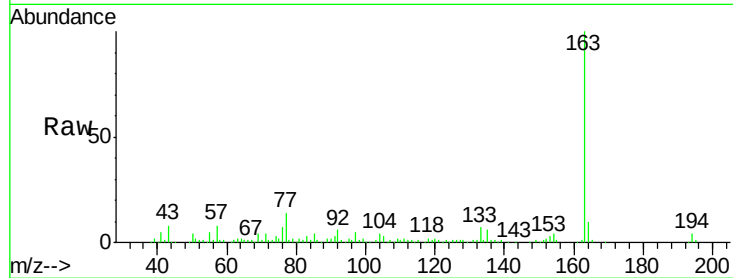
#49
Dimethylphthalate
Concen: 10.29 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Instrument :
BNA_F
ClientSampleId :
K1210-0-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	3.0	4.6
164	10.4	7.9	11.9

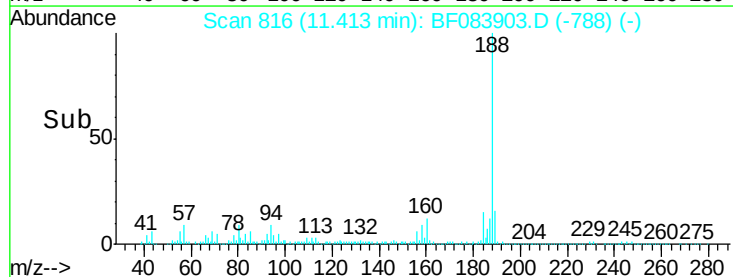
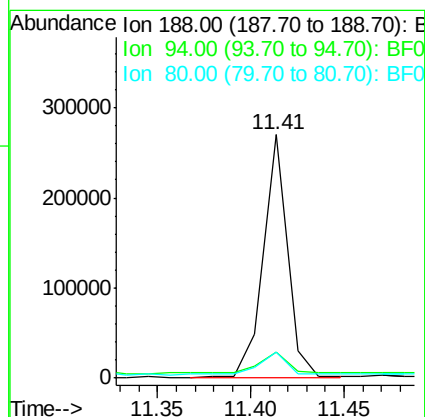
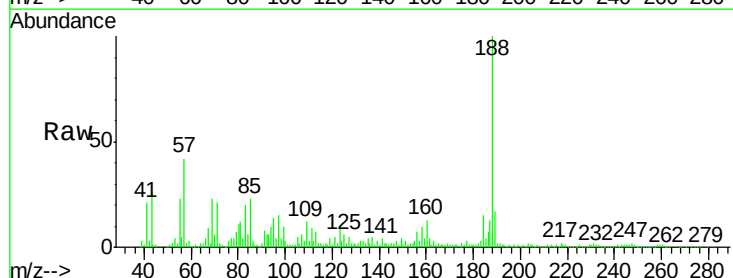
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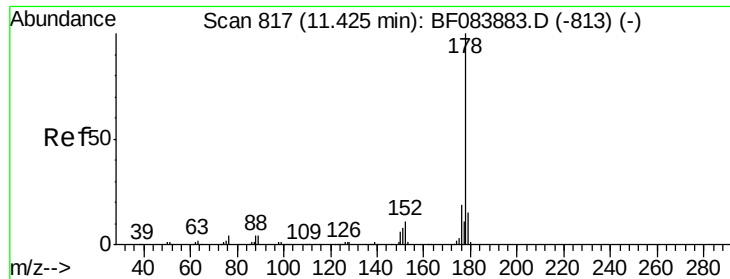
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.02 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	9.0	13.4
80	10.5	9.6	14.4





#70

Phenanthrene

Concen: 2.05 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF083903.D

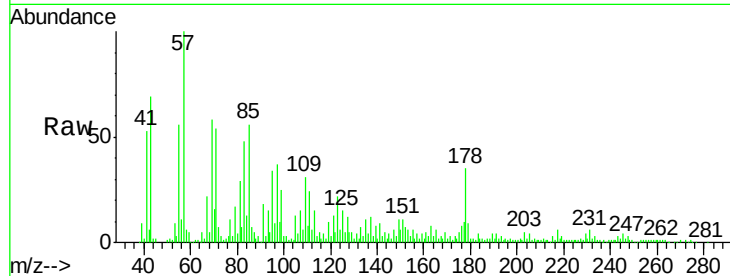
Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

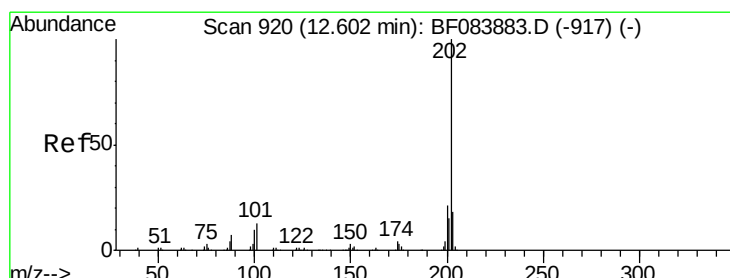
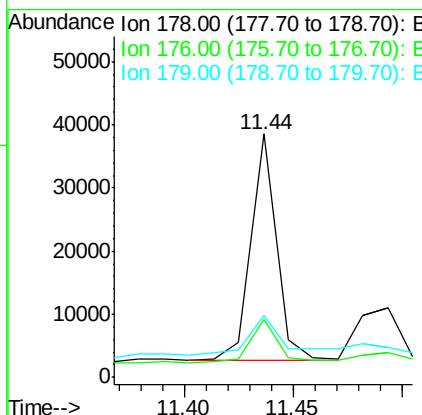
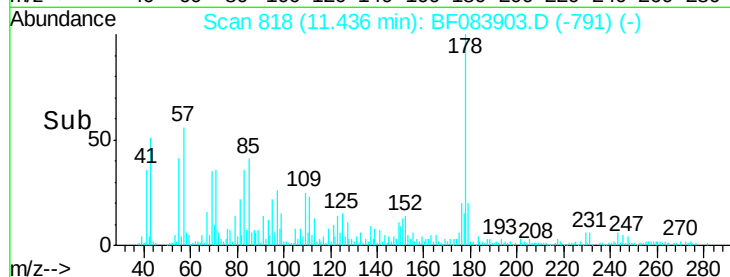
K1210-0-2



Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.8	15.3	22.9#
179	25.5	12.0	18.0#

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#74

Fluoranthene

Concen: 3.53 ng

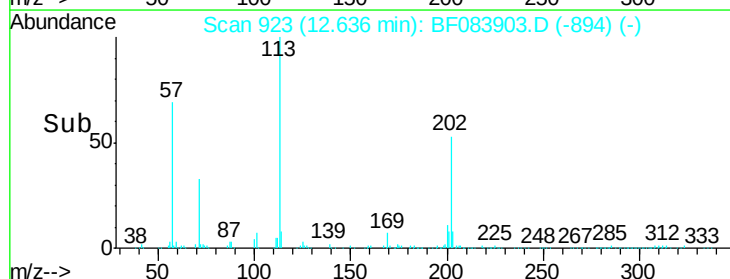
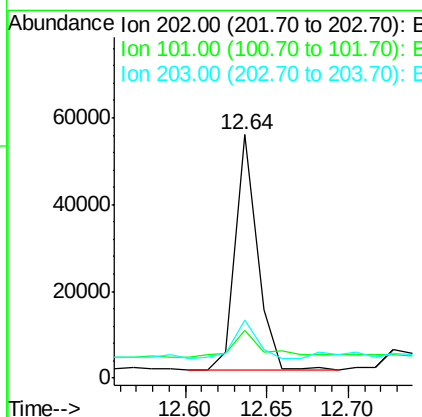
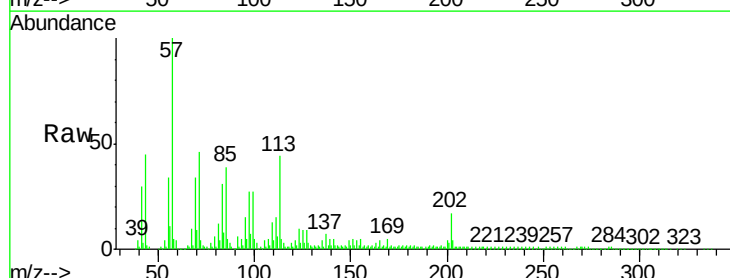
RT: 12.64 min Scan# 923

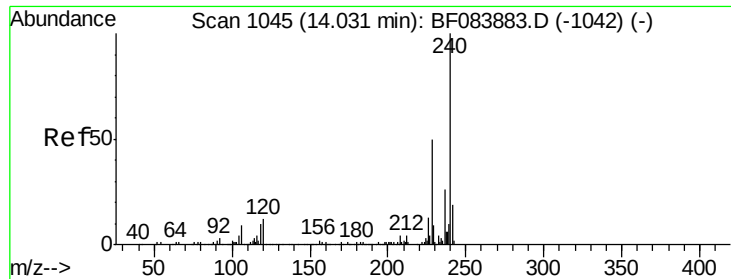
Delta R.T. 0.03 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	32.8
203	23.8	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.05 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

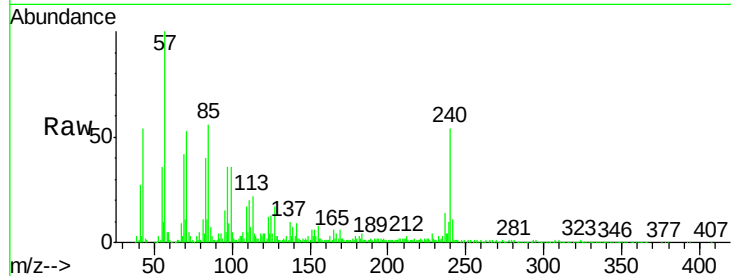
ClientSampleId :

K1210-0-2

Tgt Ion:	240	Resp:	198577
Ion Ratio	Lower	Upper	
240	100		
120	7.2	9.5	14.3#
236	25.6	20.6	31.0

Manual Integrations
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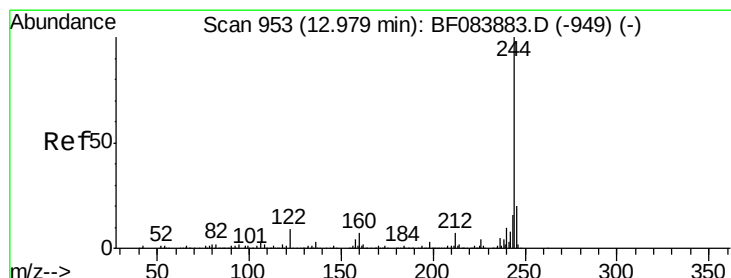
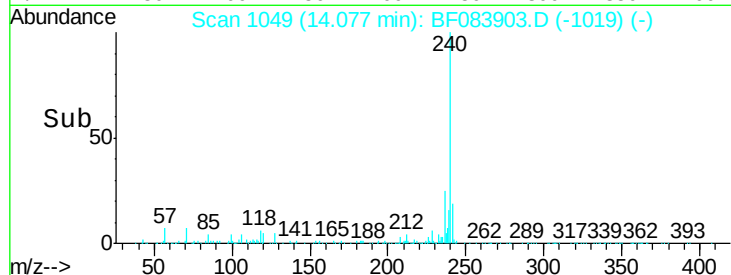
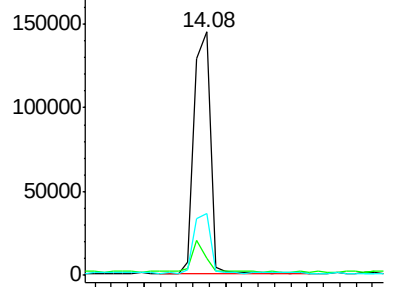
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 31.66 ng

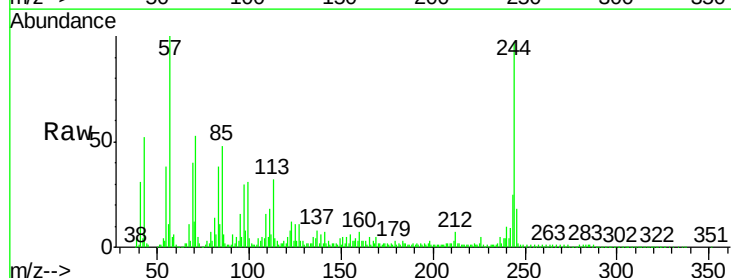
RT: 13.01 min Scan# 956

Delta R.T. 0.03 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

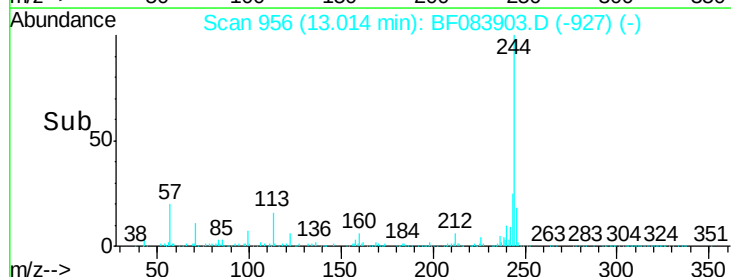
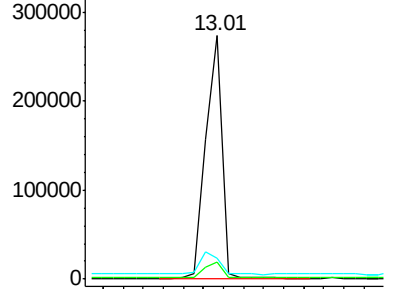
Tgt Ion:	244	Resp:	302355
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	8.4	7.4	11.0

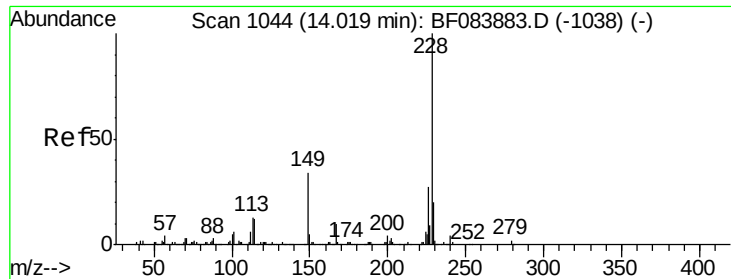


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





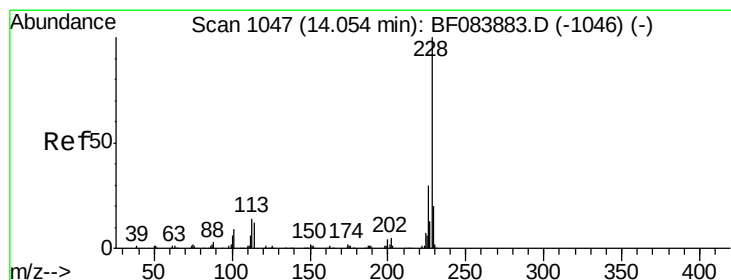
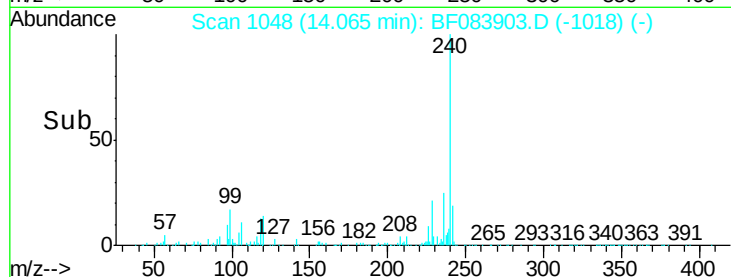
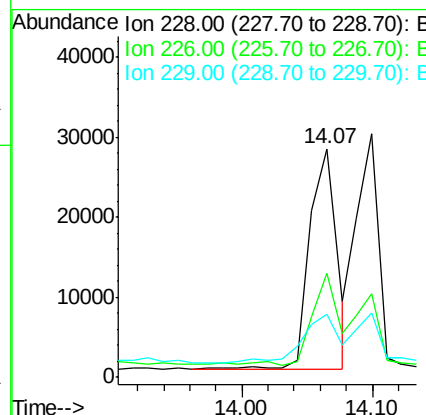
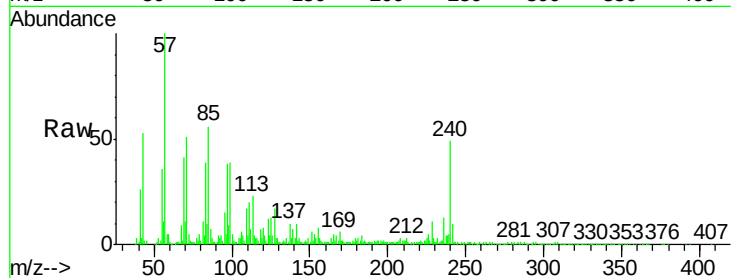
#80
Benzo(a)anthracene
Concen: 3.30 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.05 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

Instrument :
BNA_F
ClientSampleId :
K1210-0-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.8	21.8	32.6#
229	27.6	15.8	23.8#

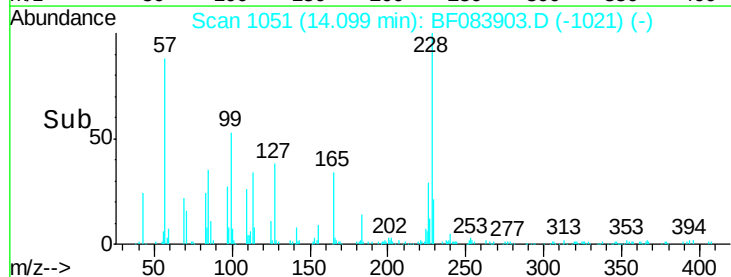
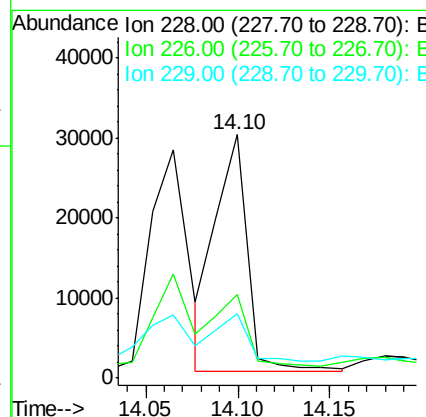
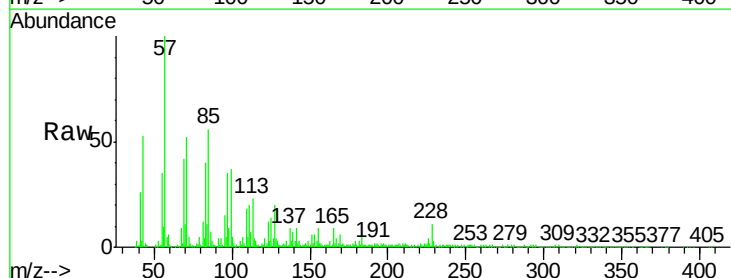
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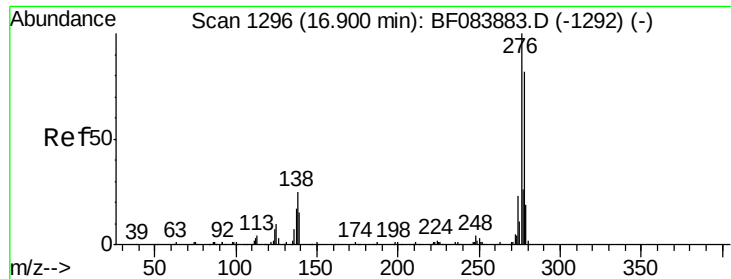
MMdadoda
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#82
Chrysene
Concen: 3.08 ng m
RT: 14.10 min Scan# 1051
Delta R.T. 0.05 min
Lab File: BF083903.D
Acq: 18 Dec 2015 8:04

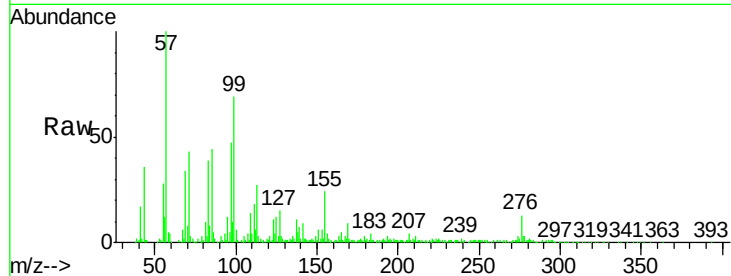
Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	24.3	36.5
229	26.5	16.1	24.1#





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.15 ng
 RT: 16.98 min Scan# 1303
 Delta R.T. 0.08 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

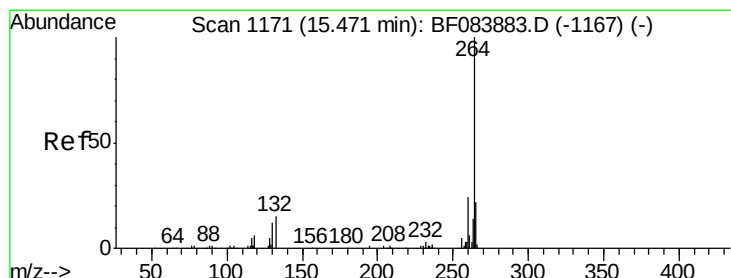
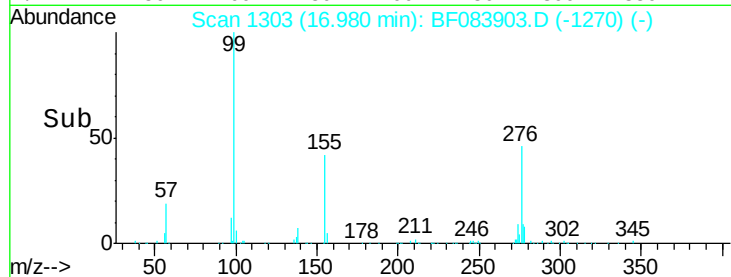
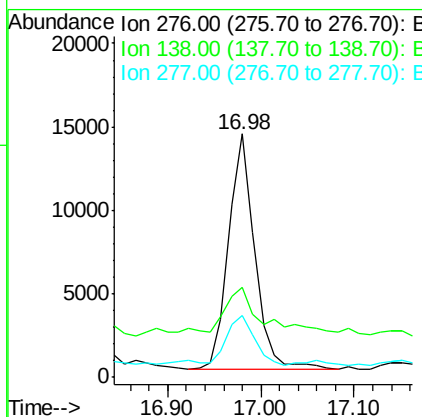
Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2



Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.5	20.6	30.8
277	24.0	20.1	30.1

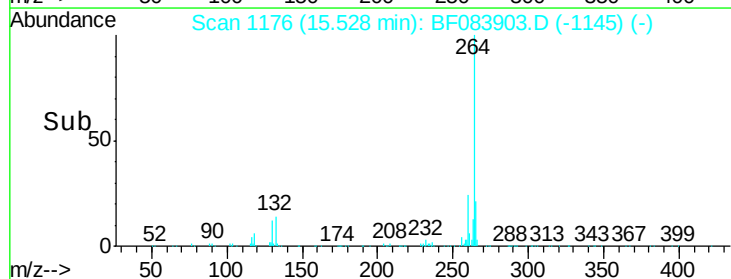
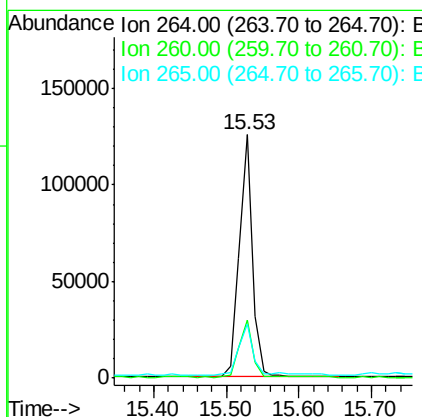
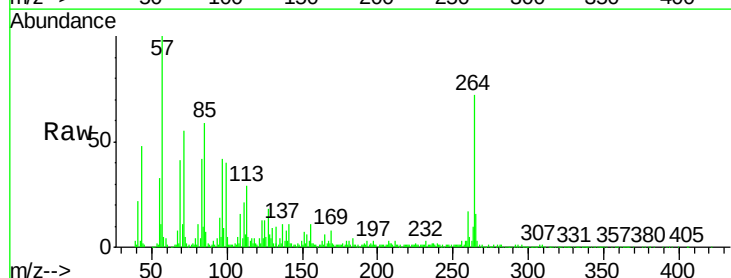
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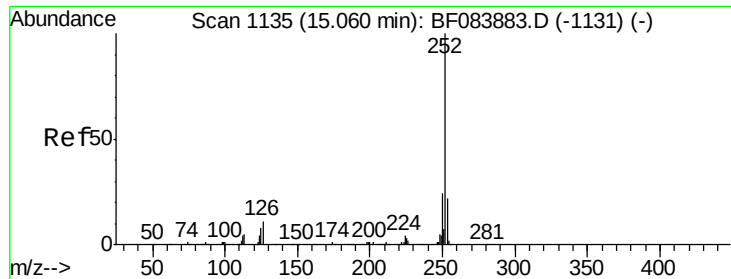
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1176
 Delta R.T. 0.06 min
 Lab File: BF083903.D
 Acq: 18 Dec 2015 8:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 4.45 ng m

RT: 15.11 min Scan# 1139

Delta R.T. 0.05 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

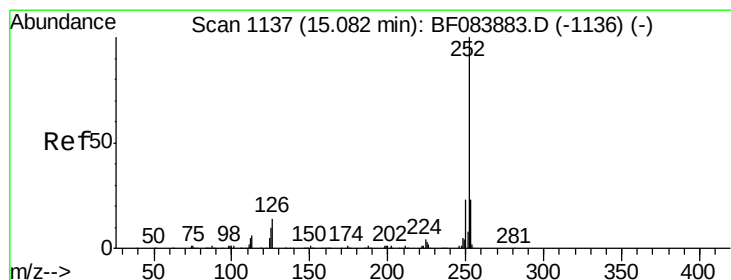
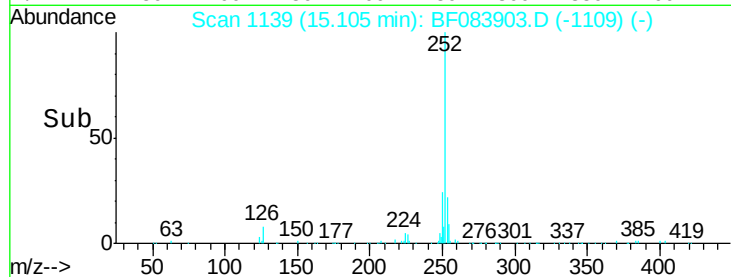
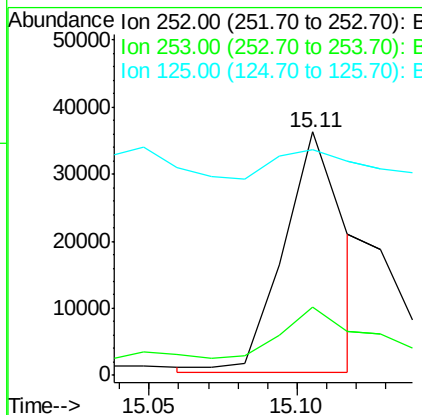
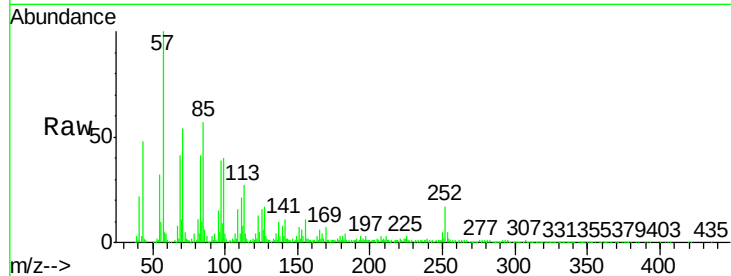
ClientSampleId :

K1210-0-2

Tgt Ion:	252	Resp:	51292
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.3	25.9#
125	92.9	6.5	9.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.10 ng m

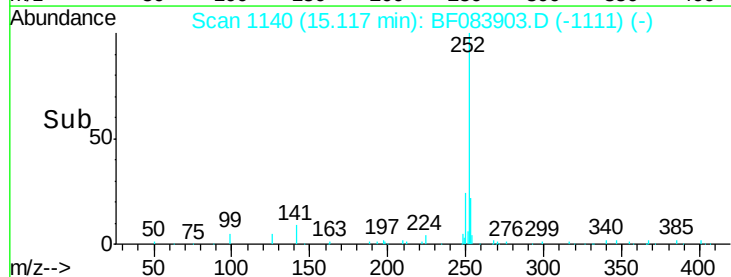
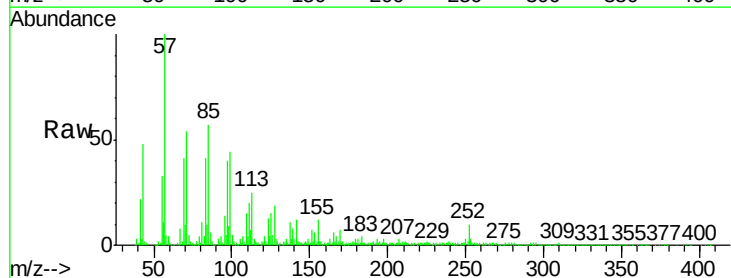
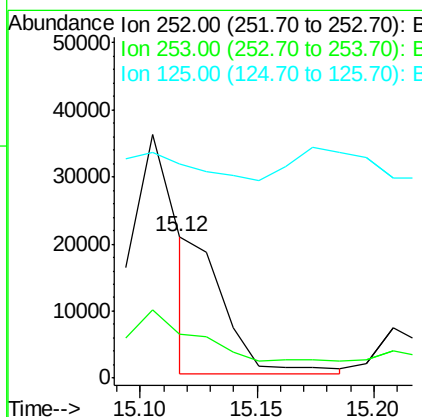
RT: 15.12 min Scan# 1140

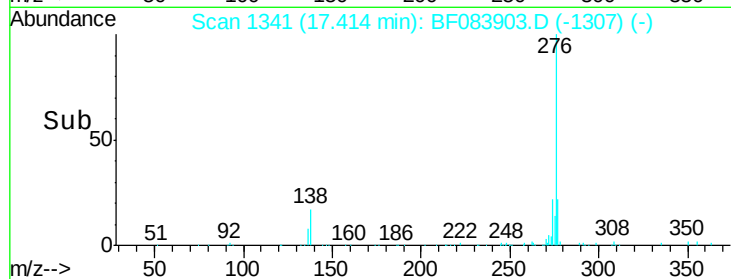
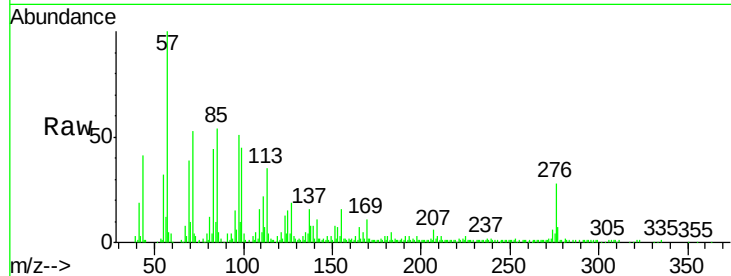
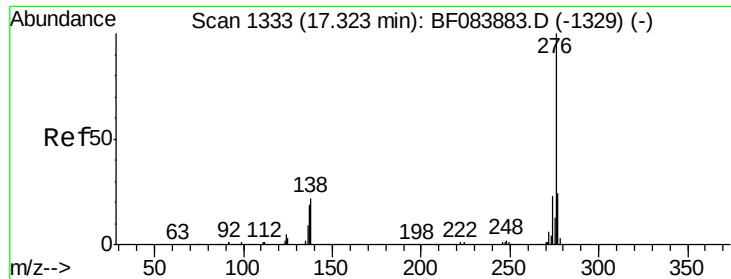
Delta R.T. 0.03 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Tgt Ion:	252	Resp:	20030
Ion Ratio	Lower	Upper	
252	100		
253	31.3	18.1	27.1#
125	150.9	9.0	13.6#





#91

Benzo(g,h,i)perylene

Concen: 6.35 ng

RT: 17.41 min Scan# 1341

Delta R.T. 0.09 min

Lab File: BF083903.D

Acq: 18 Dec 2015 8:04

Instrument :

BNA_F

ClientSampleId :

K1210-0-2

Tgt Ion:	276	Resp:	46116
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.8	28.2
138	30.7	17.8	26.6#

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:06 PM

