

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086106.D
 Acq On : 6 Apr 2016 19:06
 Operator : UM/SJ
 Sample : H2254-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Manual Integrations
 APPROVED

Sohil
 4/7/2016 9:00:11 AM

Quant Time: Apr 07 02:10:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	158238	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	616846	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	257281	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	418925	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	305066	20.00	ng	-0.03
86) Perylene-d12	15.30	264	333998	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	951601	102.79	ng	-0.02
7) Phenol-d6	6.40	99	1193015	101.46	ng	-0.02
23) Nitrobenzene-d5	7.31	82	652581	62.39	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	205604	85.14	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	912790	58.99	ng	-0.03
78) Terphenyl-d14	12.84	244	625898	48.23	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	226608	11.88	ng	99
70) Phenanthrene	11.29	178	186829	8.17	ng	97
74) Fluoranthene	12.48	202	152680	6.42	ng	90
77) Pyrene	12.70	202	220025	10.23	ng	98
80) Benzo(a)anthracene	13.88	228	74025	4.12	ng	95
82) Chrysene	13.93	228	75428	4.35	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	49254	3.50	ng	96
87) Benzo(b)fluoranthene	14.91	252	109007m	5.19	ng	
89) Benzo(a)pyrene	15.24	252	76015	4.08	ng	98
91) Benzo(g,h,i)perylene	17.05	276	54529	3.76	ng	96

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

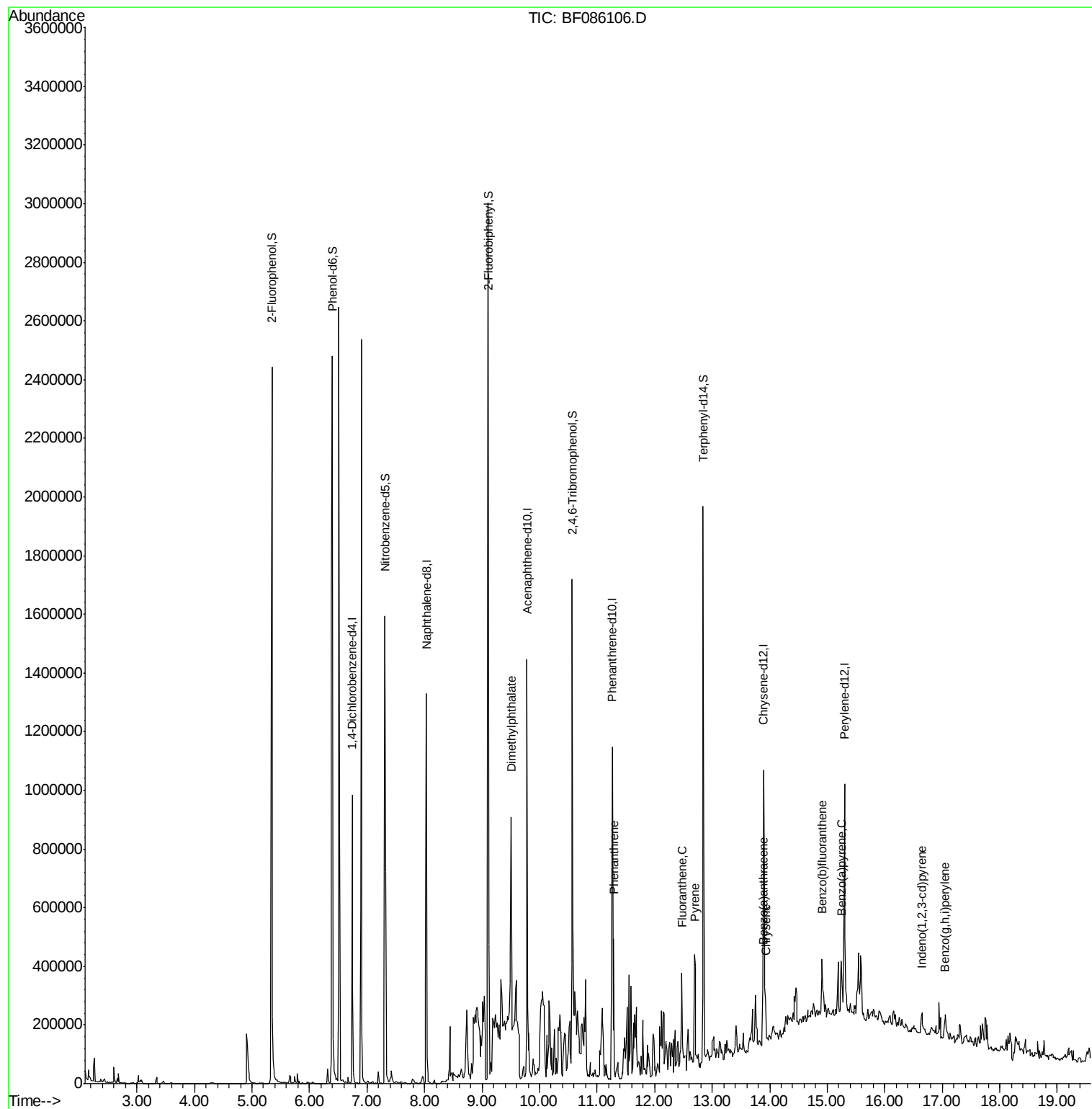
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086106.D
Acq On : 6 Apr 2016 19:06
Operator : UM/SJ
Sample : H2254-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

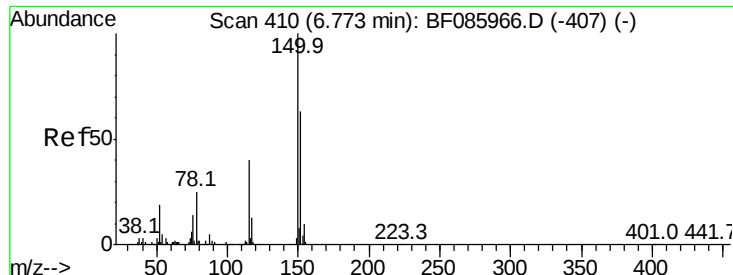
Instrument :
BNA_F
ClientSampleId :
SP-16

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Quant Time: Apr 07 02:10:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

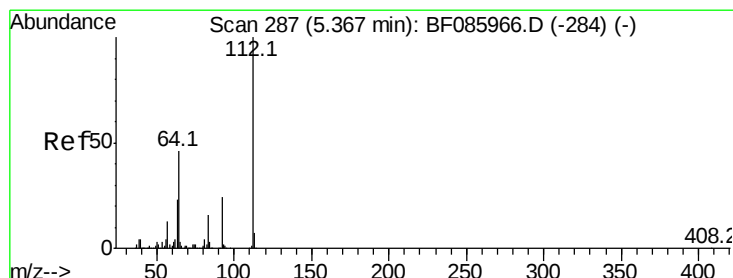
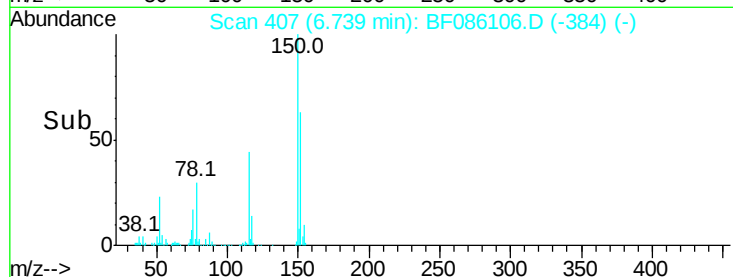
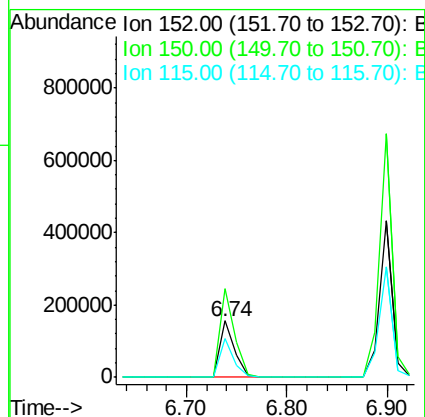
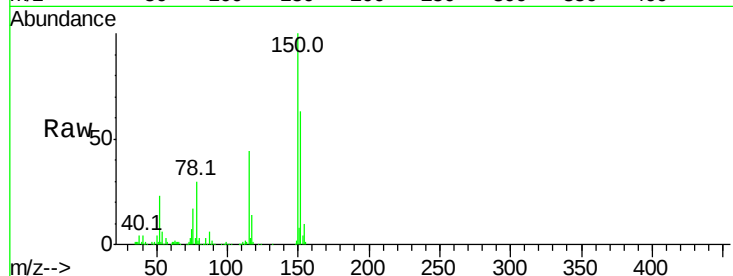
ClientSampled :

SP-16

Tot Ion:	152	Resp:	158238
Ion Ratio	Lower	Upper	
152	100		
150	157.7	124.2	186.2
115	69.0	47.0	70.6

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#5

2-Fluorophenol

Concen: 102.79 ng

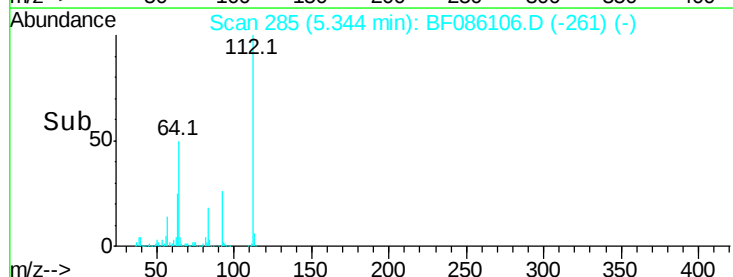
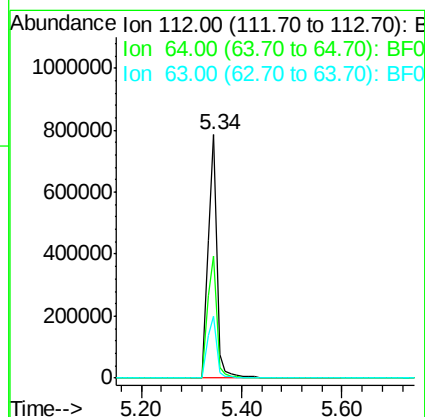
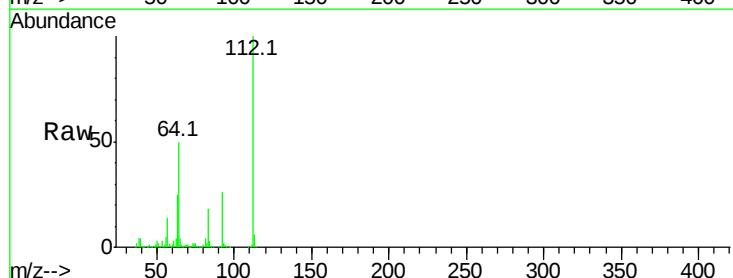
RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Tgt Ion:	112	Resp:	951601
Ion Ratio	Lower	Upper	
112	100		
64	49.9	39.9	59.9
63	25.2	20.2	30.2





#7

Phenol-d6

Concen: 101.46 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

Tot Ion: 99 Resp: 1193015

Ion Ratio Lower Upper

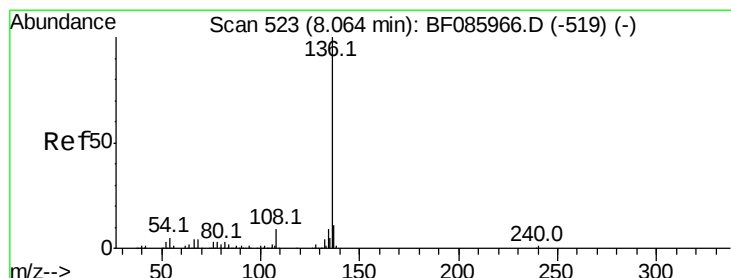
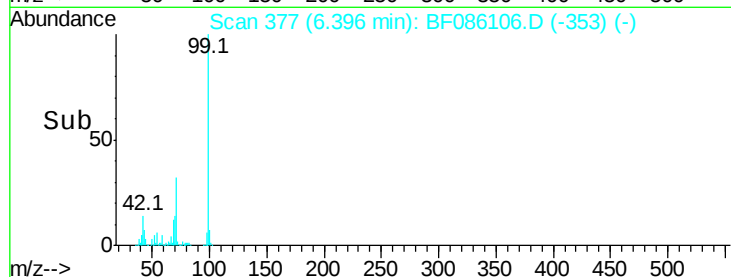
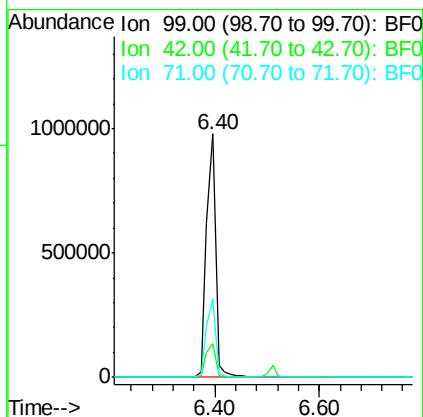
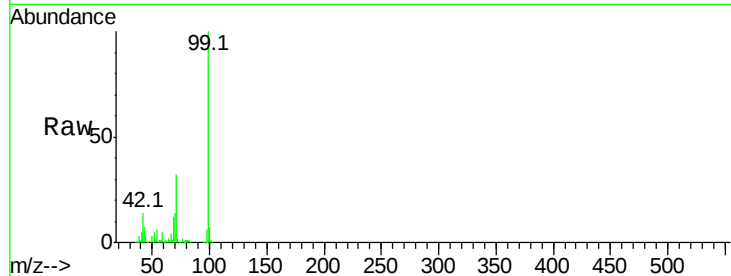
99 100

42 13.9 11.1 16.7

71 32.4 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Tgt Ion: 136 Resp: 616846

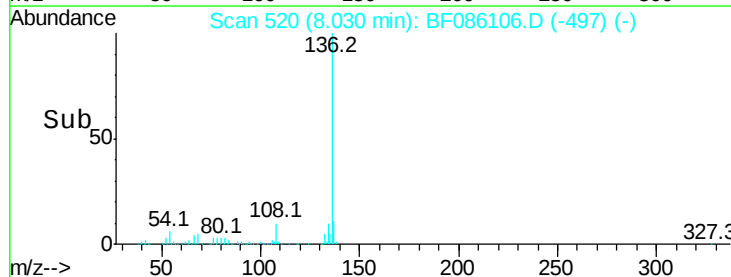
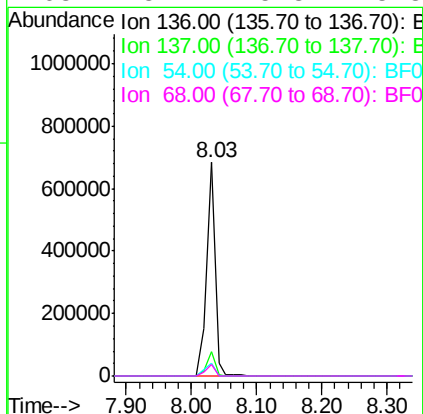
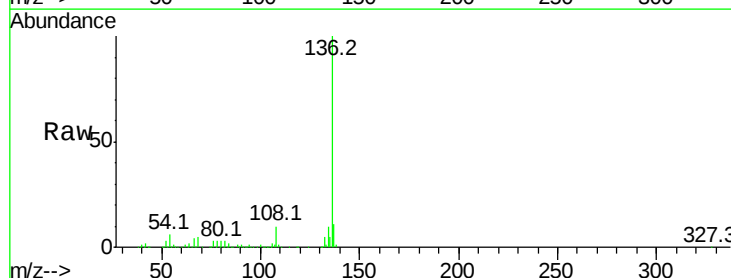
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.1 7.4 11.0#

68 5.1 5.8 8.8#





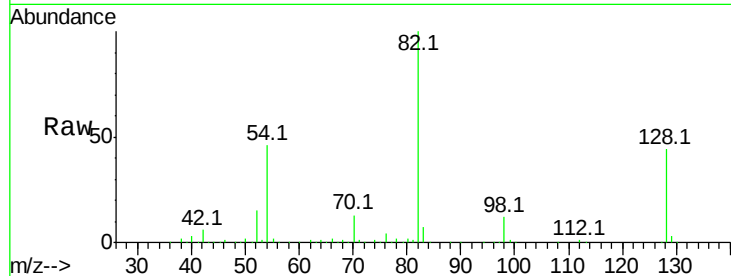
#23
Nitrobenzene-d5
Concen: 62.39 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

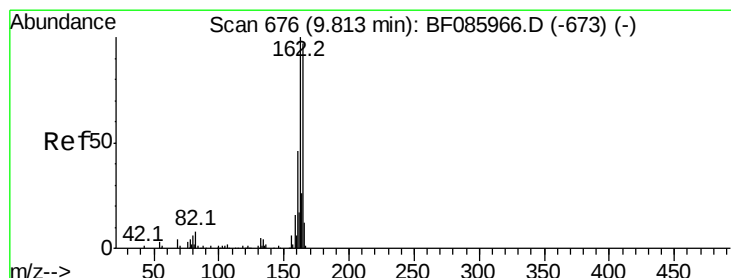
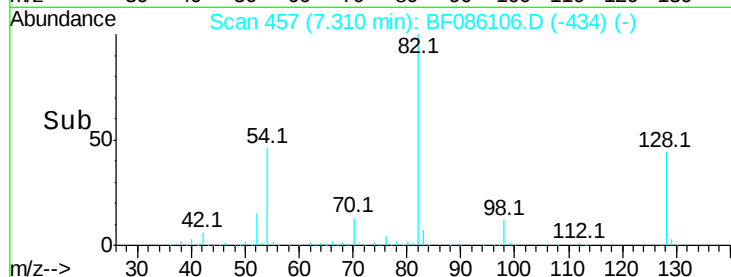
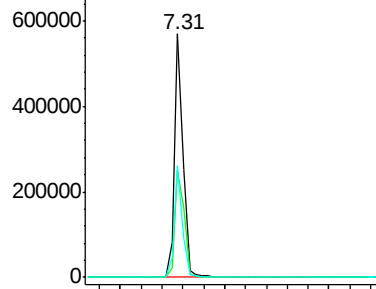
Tot Ion	Ratio	Resp	Lower	Upper
82	100	652581		
128	43.9		41.8	62.8
54	46.1		33.4	50.0

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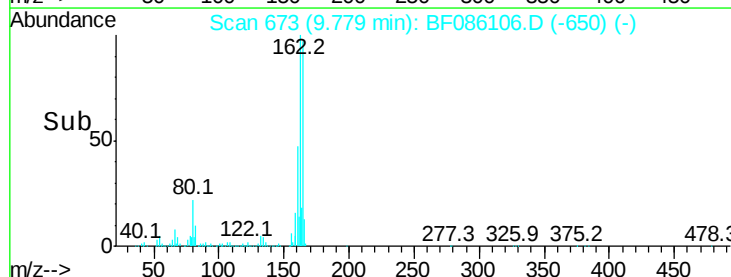
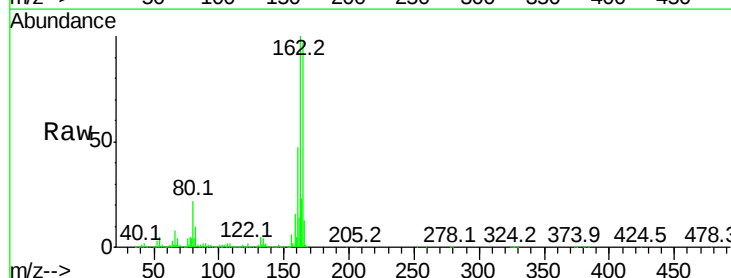
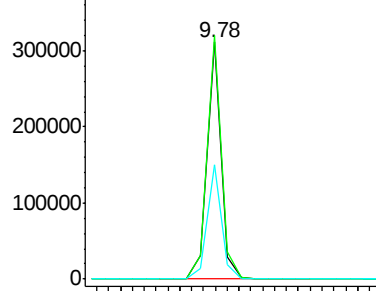
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

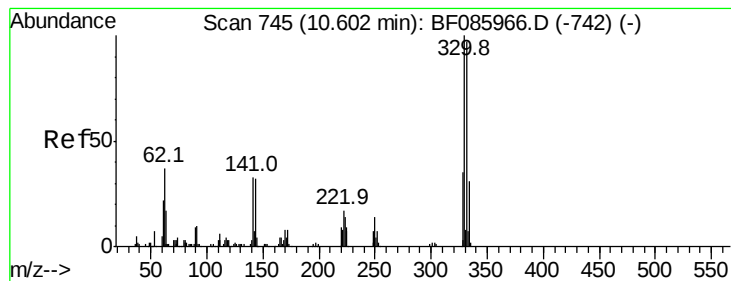


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	257281		
162	102.7		82.1	123.1
160	48.2		37.4	56.2

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





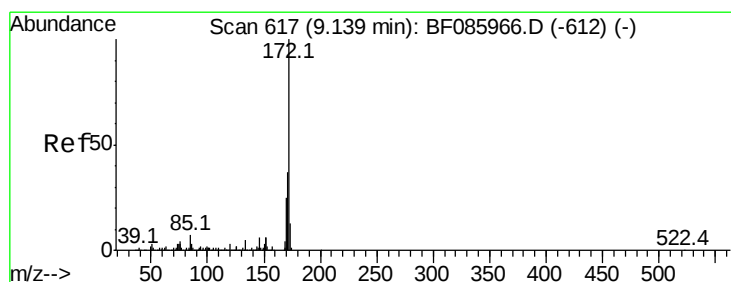
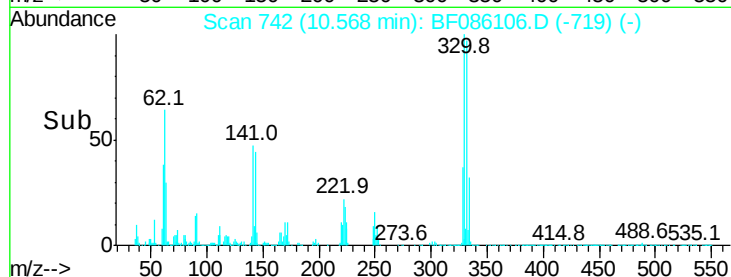
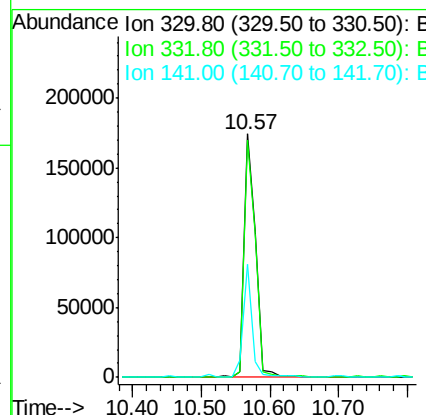
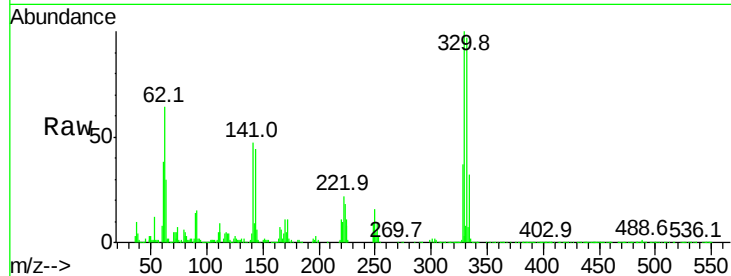
#41
 2,4,6-Tribromophenol
 Concen: 85.14 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Tot Ion	Ratio	Resp	Lower	Upper
330	100	205604		
332	96.8	78.2	117.2	
141	35.7	31.5	47.3	

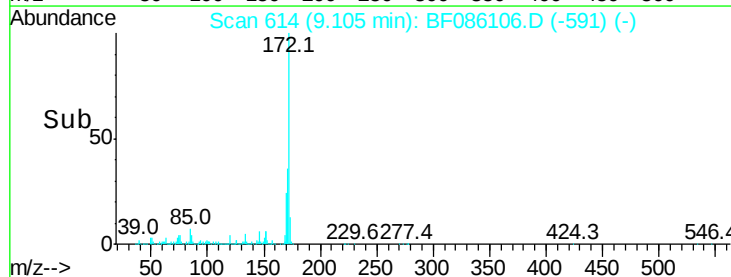
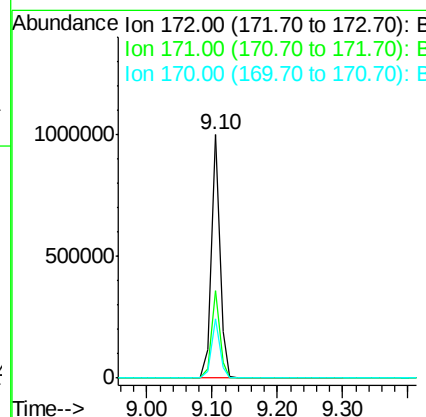
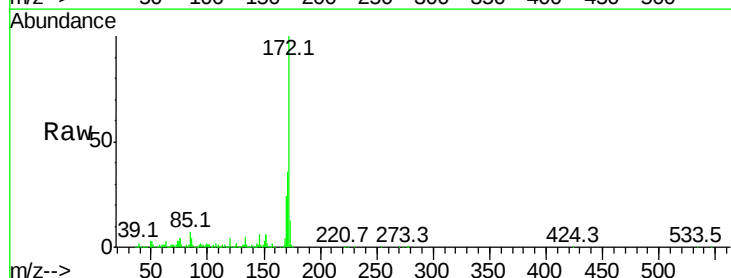
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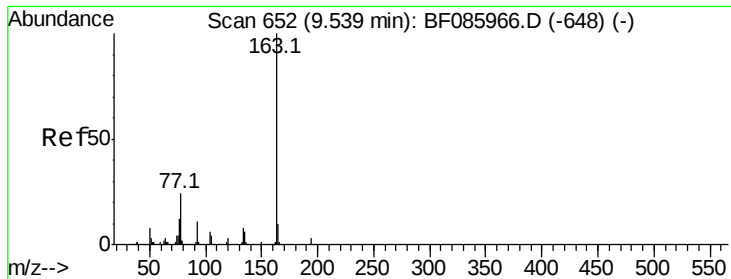
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#44
 2-Fluorobiphenyl
 Concen: 58.99 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	912790		
171	36.0	29.4	44.2	
170	24.2	19.8	29.6	





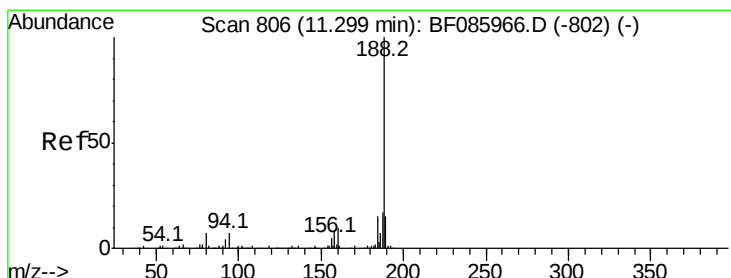
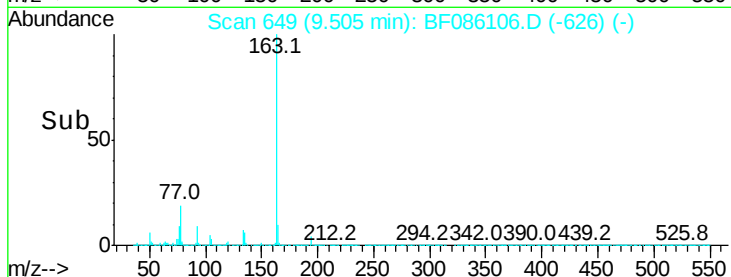
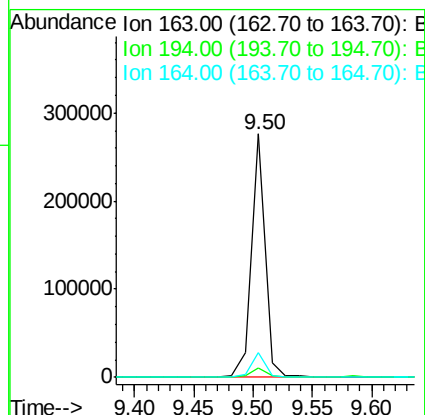
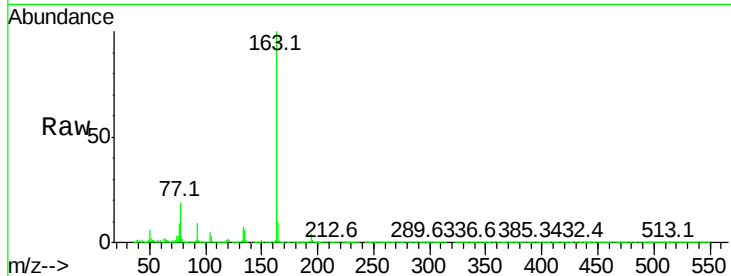
#49
Dimethylphthalate
Concen: 11.88 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.9	4.3	
164	10.1	8.3	12.5	

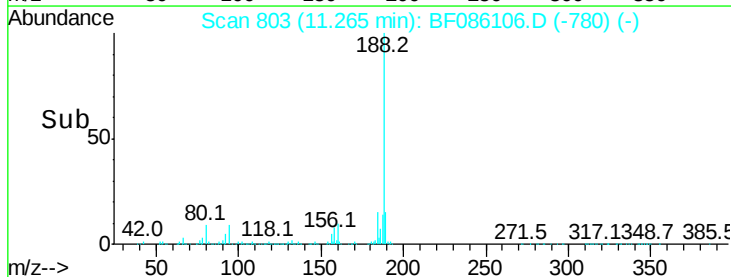
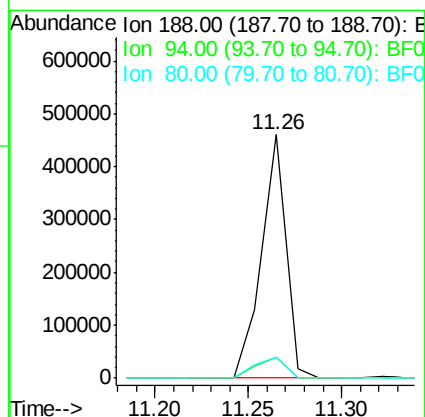
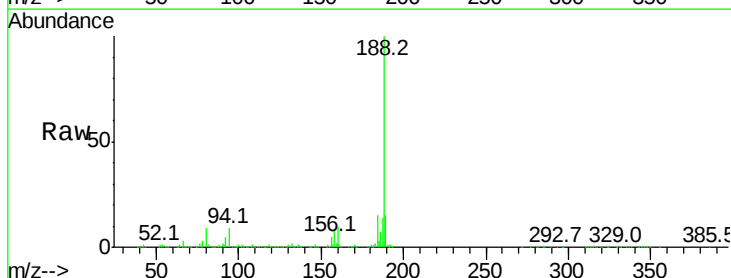
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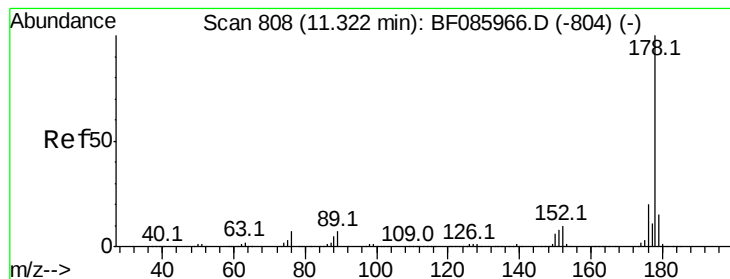
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	5.4	8.0#	
80	8.6	5.5	8.3#	





#70

Phenanthrene

Concen: 8.17 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

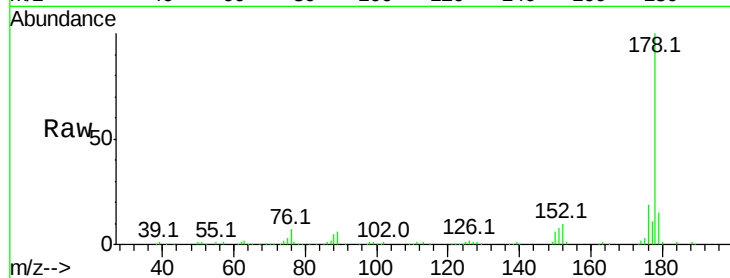
ClientSampled :

SP-16

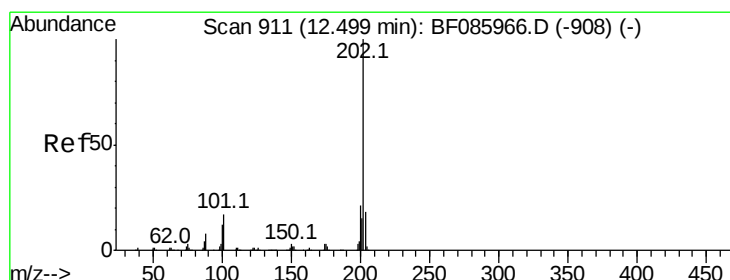
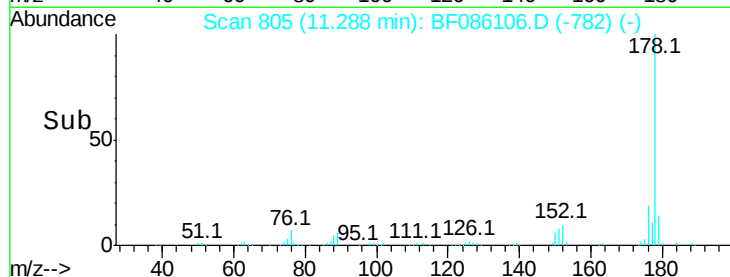
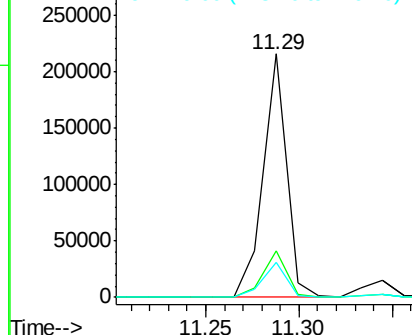
Tot Ion:	178	Resp:	186829
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.3	24.5
179	14.5	12.6	18.8

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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



#74

Fluoranthene

Concen: 6.42 ng

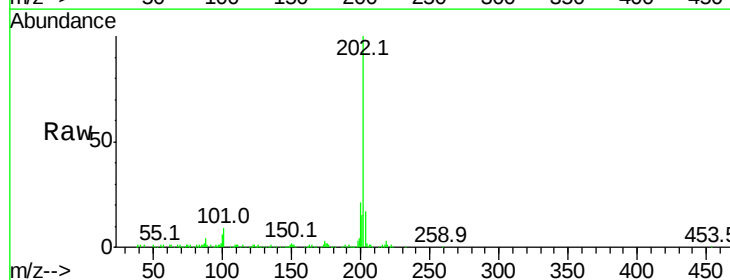
RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

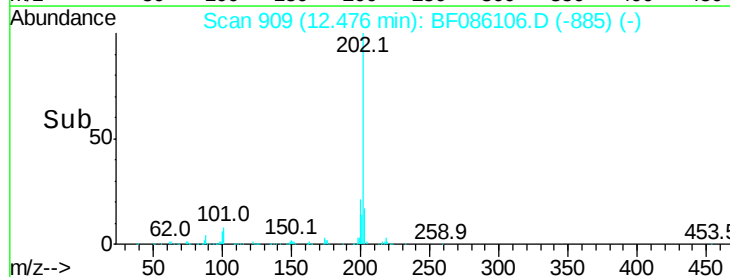
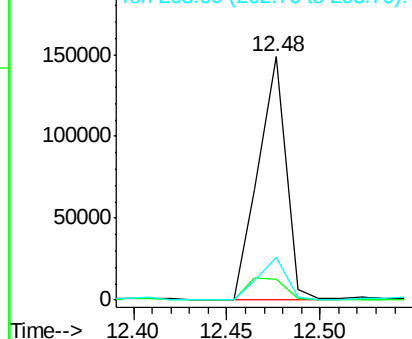
Lab File: BF086106.D

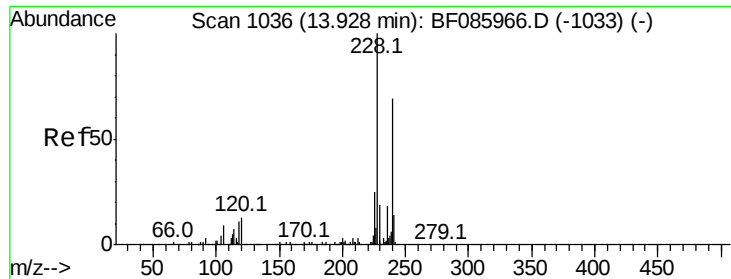
Acq: 6 Apr 2016 19:06

Tgt Ion:	202	Resp:	152680
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	36.6
203	17.4	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

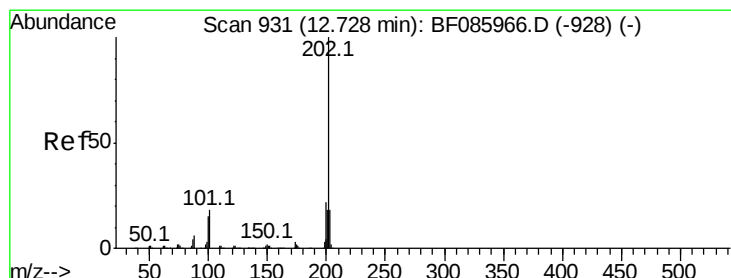
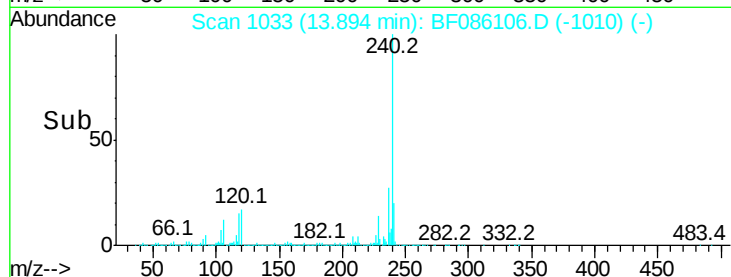
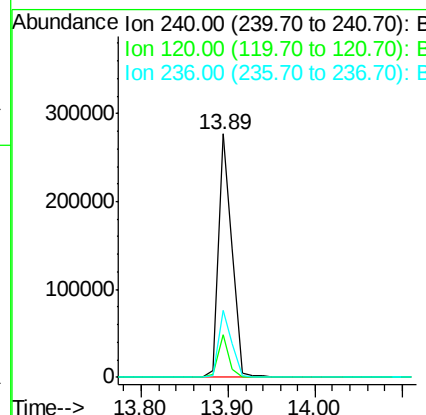
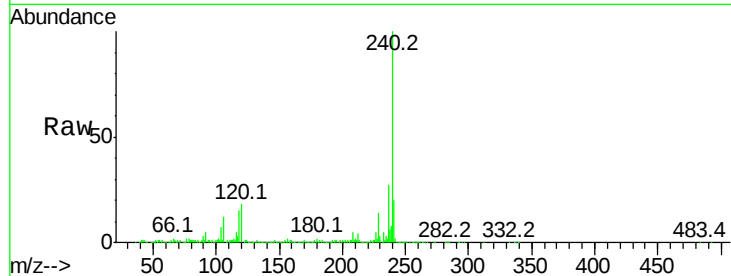
ClientSampleId :

SP-16

Tot Ion:	240	Resp:	305066
Ion Ratio	Lower	Upper	
240	100		
120	17.5	13.8	20.8
236	27.3	20.6	30.8

Manual Integrations
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#77

Pyrene

Concen: 10.23 ng

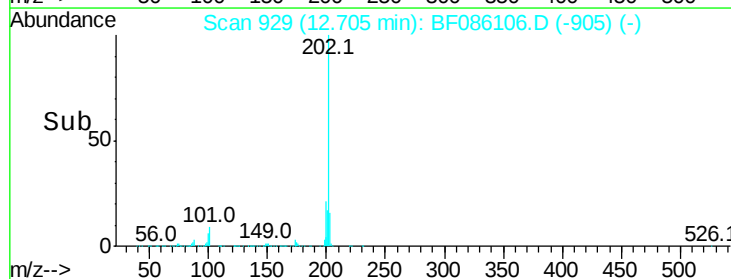
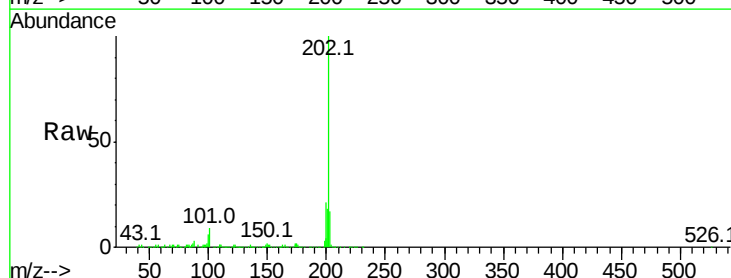
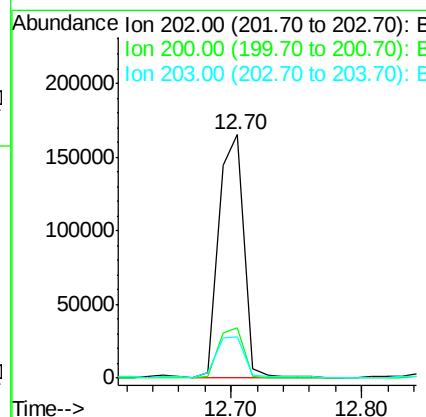
RT: 12.70 min Scan# 929

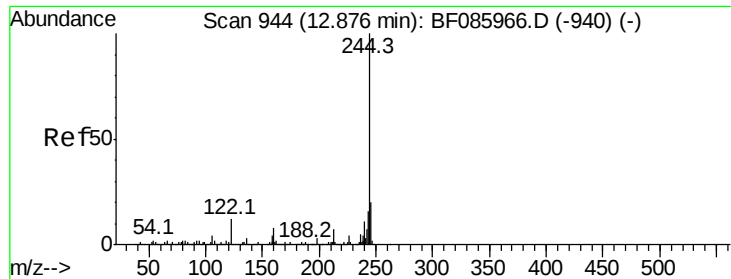
Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Tgt Ion:	202	Resp:	220025
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	16.8	14.0	21.0





#78

Terphenyl-d14

Concen: 48.23 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

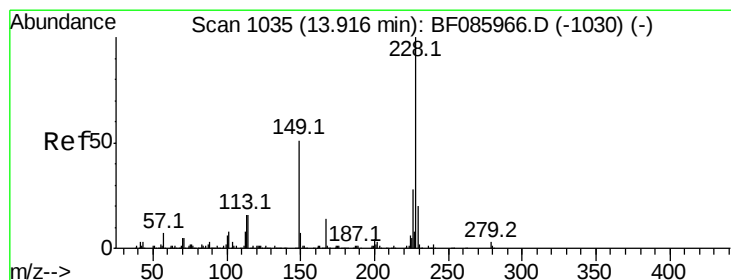
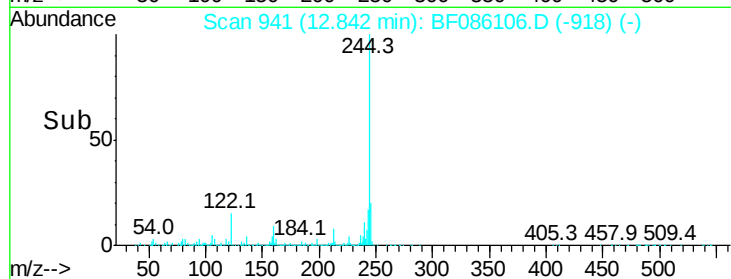
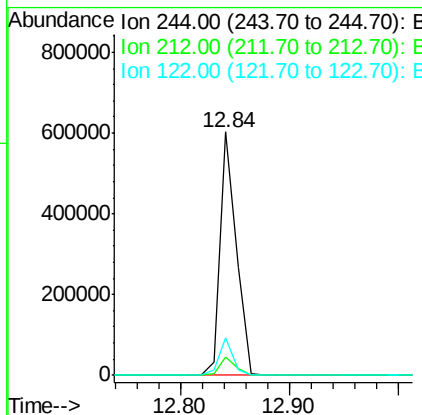
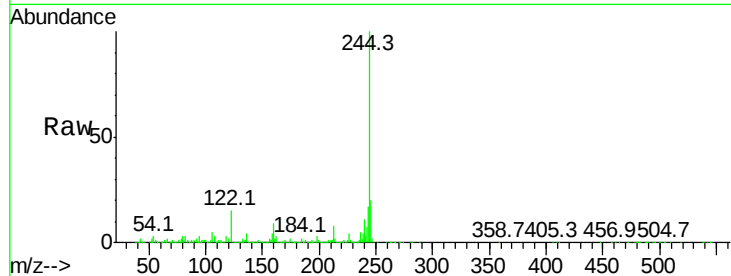
ClientSampled :

SP-16

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	15.4	10.2	15.4

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#80

Benzo(a)anthracene

Concen: 4.12 ng

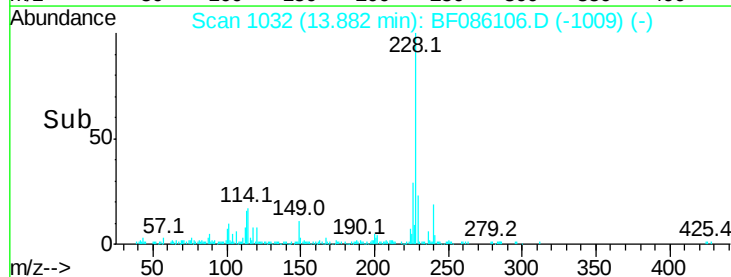
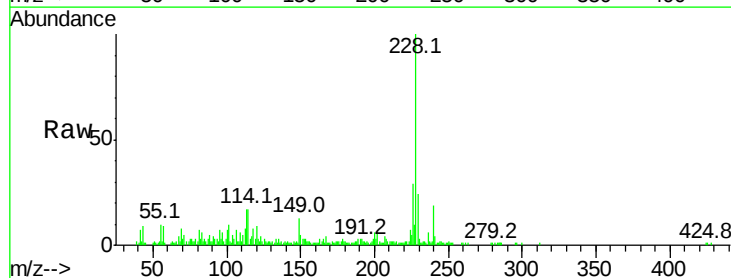
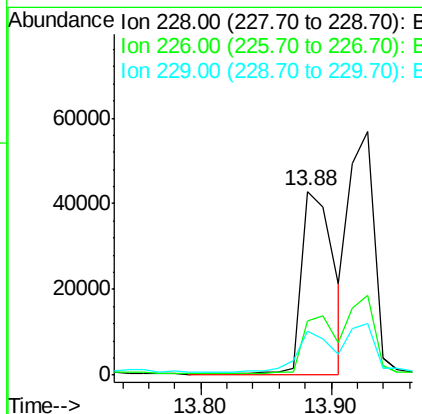
RT: 13.88 min Scan# 1032

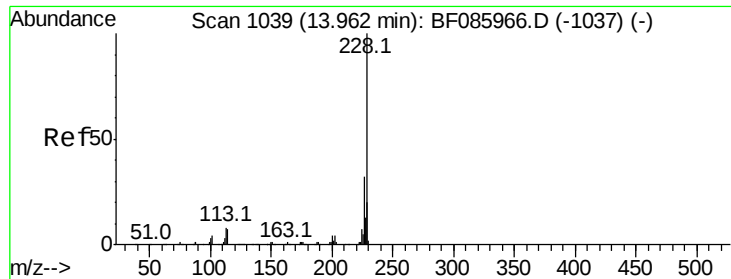
Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	23.7	16.2	24.4





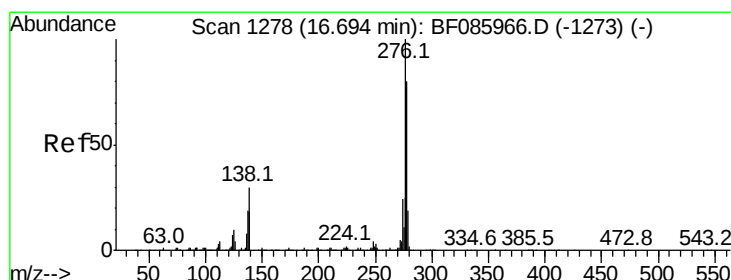
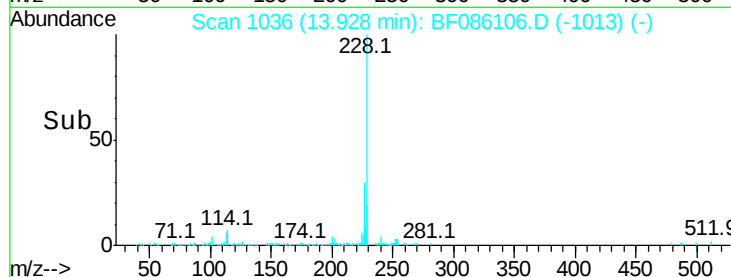
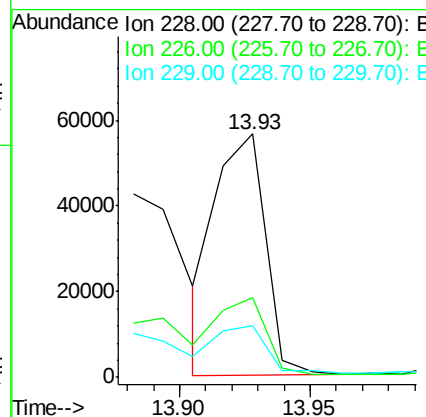
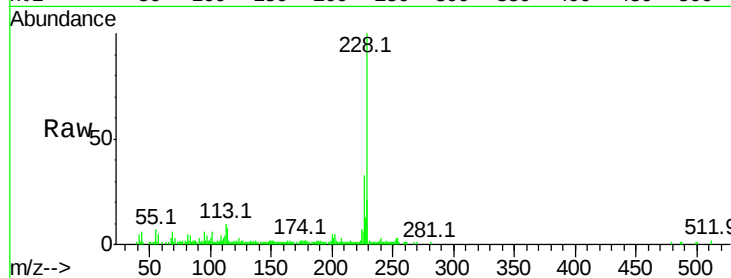
#82
Chrysene
Concen: 4.35 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampled :
SP-16

Tot Ion:	228	Resp:	75428
Ion Ratio	Lower	Upper	
228	100		
226	32.6	25.0	37.6
229	21.0	15.7	23.5

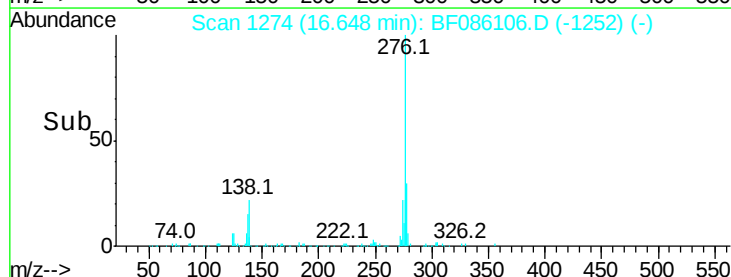
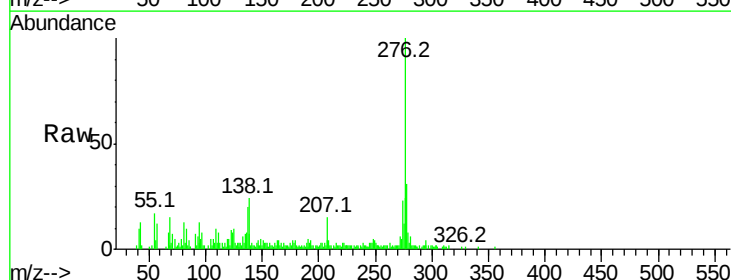
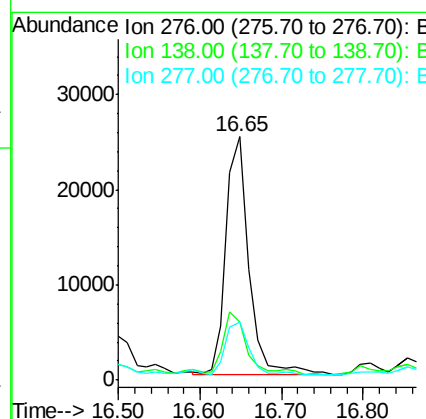
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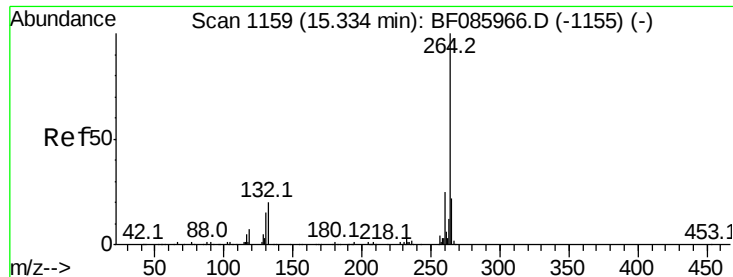
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.50 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.05 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:	276	Resp:	49254
Ion Ratio	Lower	Upper	
276	100		
138	28.1	24.2	36.4
277	23.0	20.0	30.0





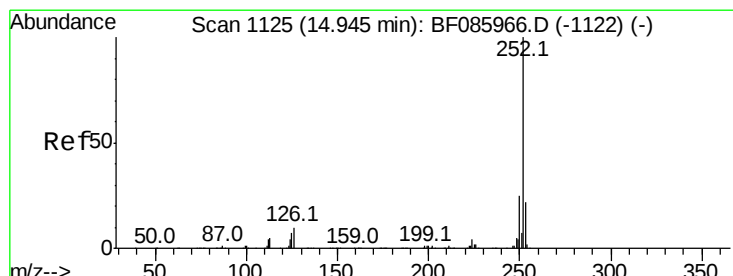
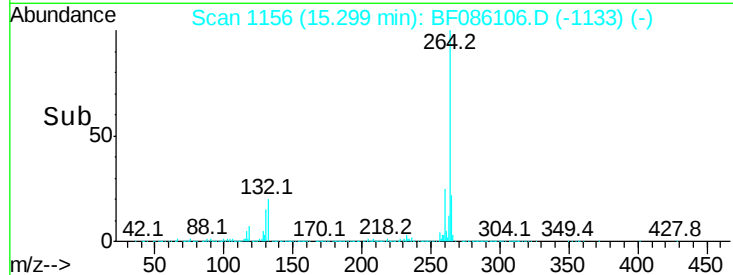
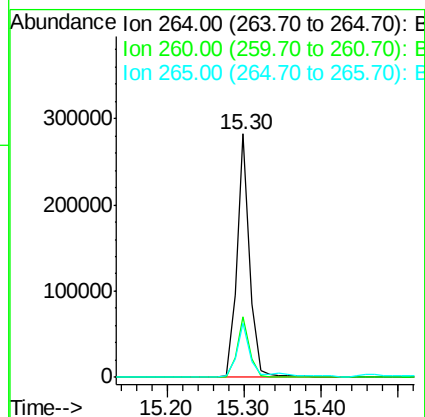
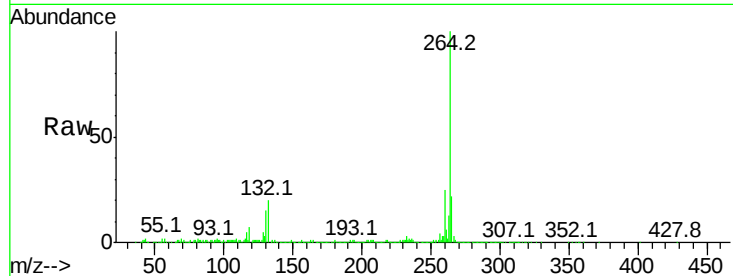
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.03 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Instrument :
 BNA_F
 ClientSampled :
 SP-16

Tot Ion:264	Resp:	333998
Ion Ratio	Lower	Upper
264 100		
260 24.8	19.4	29.2
265 22.0	17.2	25.8

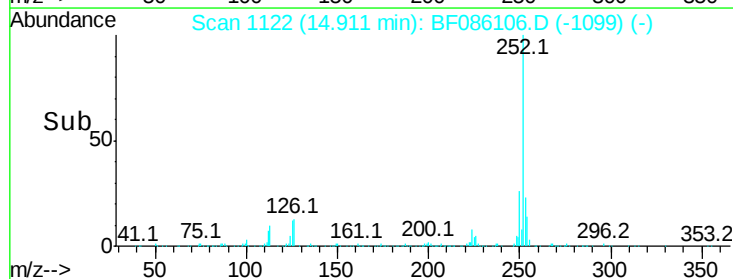
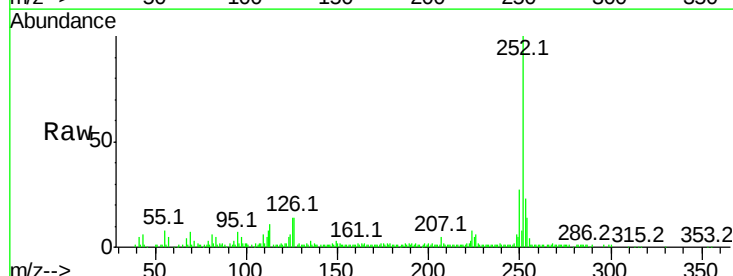
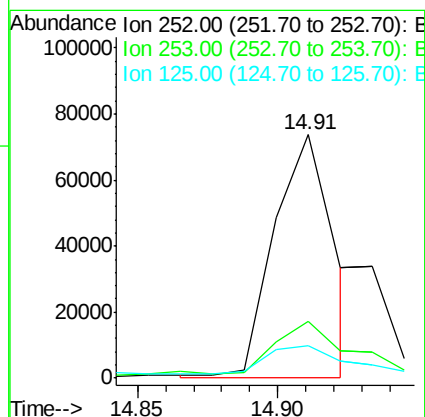
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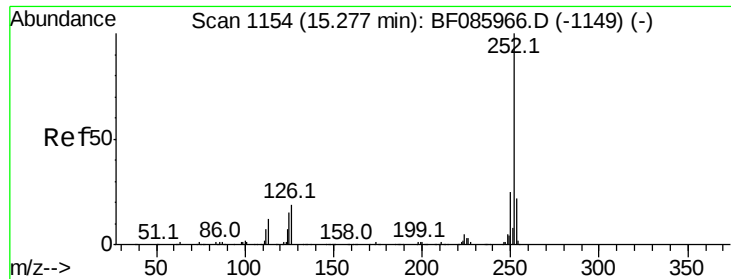
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#87
 Benzo(b)fluoranthene
 Concen: 5.19 ng m
 RT: 14.91 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Tgt Ion:252	Resp:	109007
Ion Ratio	Lower	Upper
252 100		
253 23.4	17.6	26.4
125 13.6	10.3	15.5





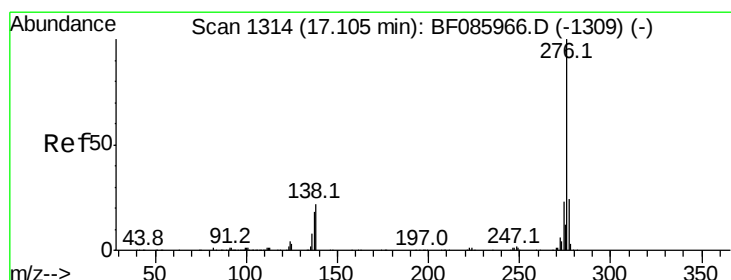
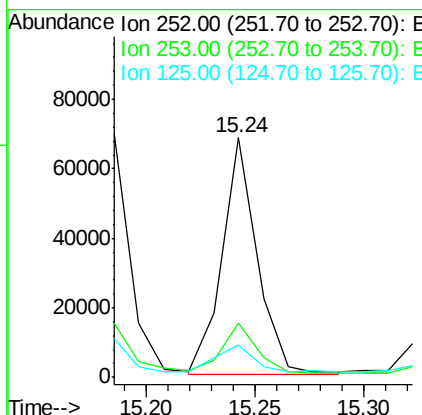
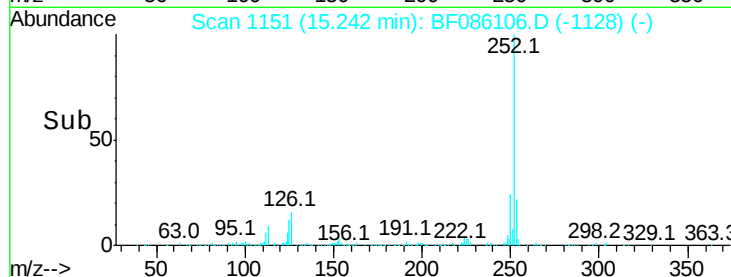
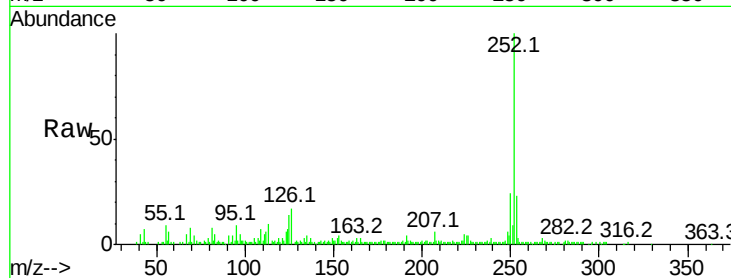
#89
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	13.5	10.3	15.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	26.2	22.6	34.0

