

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083536.D
 Acq On : 7 Dec 2015 1:17
 Operator : UM/IZ
 Sample : G4594-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

Manual Integrations
 APPROVED

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 12/7/2015 6:33:24 PM

Quant Time: Dec 07 06:27:11 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	166446	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	647541	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	322404	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	585061	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	452908	20.00	ng	-0.03
86) Perylene-d12	18.65	264	336040	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	1531291	139.57	ng	-0.02
7) Phenol-d6	5.30	99	2259392	149.47	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1356270	97.91	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	431103	144.96	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	1545419	65.02	ng	-0.05
78) Terphenyl-d14	15.45	244	1516024	74.48	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.68	128	125482	3.64	ng	99
49) Dimethylphthalate	10.06	163	472330	18.61	ng	99
70) Phenanthrene	12.85	178	337405	9.91	ng	99
71) Anthracene	12.94	178	147748	4.25	ng	98
74) Fluoranthene	14.79	202	171721	5.09	ng	98
77) Pyrene	15.14	202	303525	8.96	ng	98
80) Benzo(a)anthracene	17.00	228	127229	4.80	ng	94
82) Chrysene	17.06	228	119270	4.52	ng	97
83) Bis(2-ethylhexyl)phthalate	17.13	149	35514	2.03	ng	97
87) Benzo(b)fluoranthene	18.28	252	52115m	2.76	ng	
89) Benzo(a)pyrene	18.60	252	60475	3.29	ng	98

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

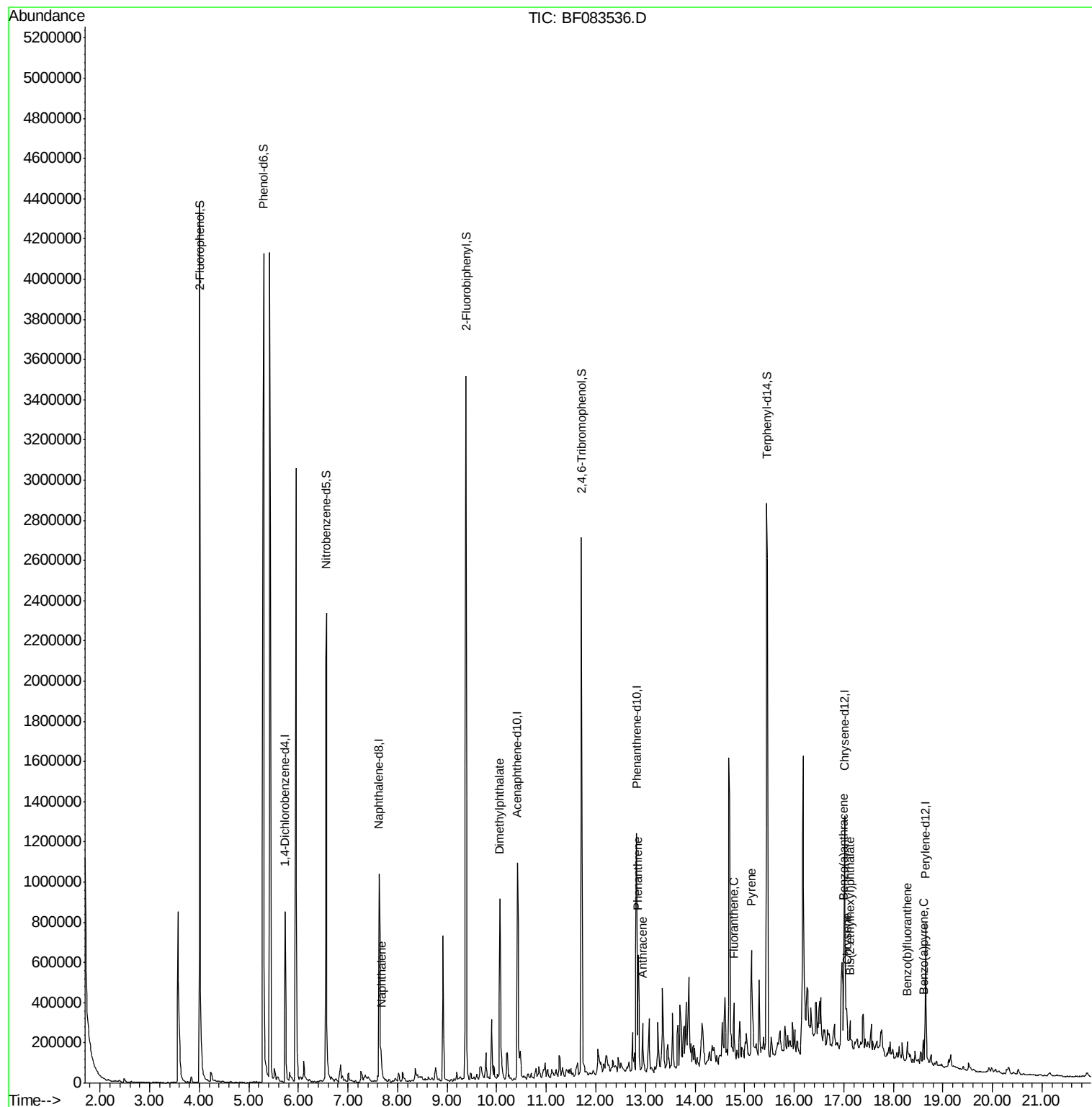
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083536.D
Acq On : 7 Dec 2015 1:17
Operator : UM/IZ
Sample : G4594-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

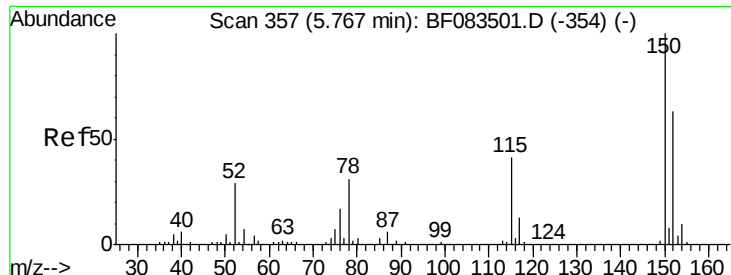
Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Manual Integrations
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12/7/2015 6:33:24 PM

Quant Time: Dec 07 06:27:11 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

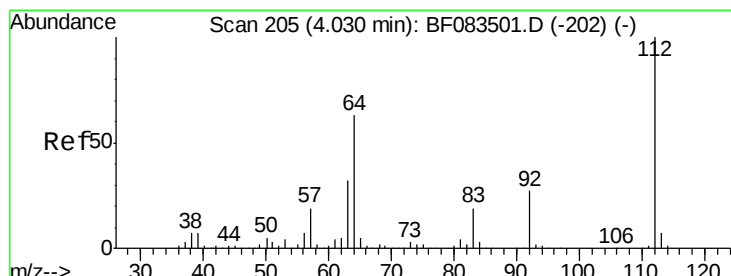
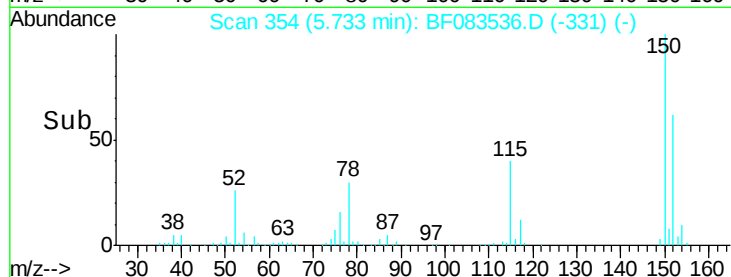
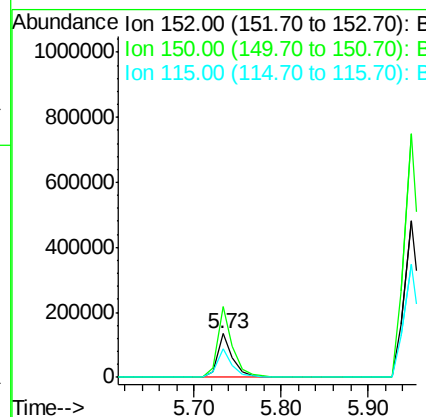
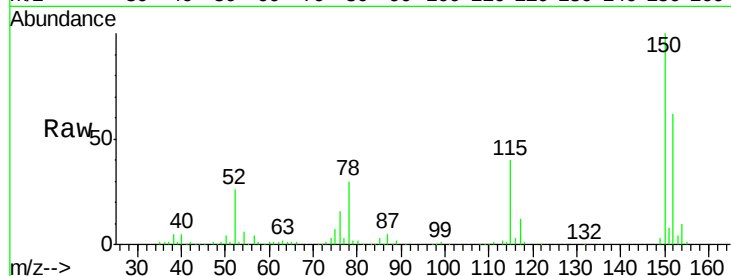
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.5	189.7
115	64.1	52.3	78.5

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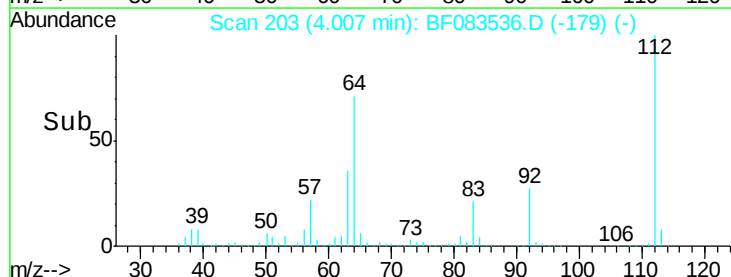
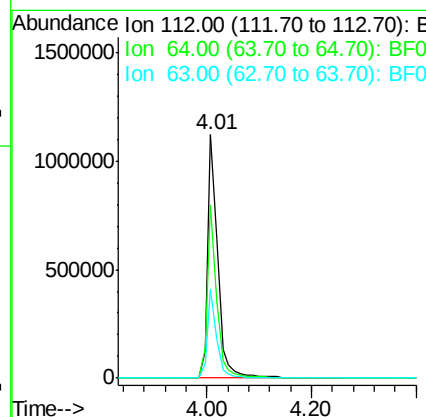
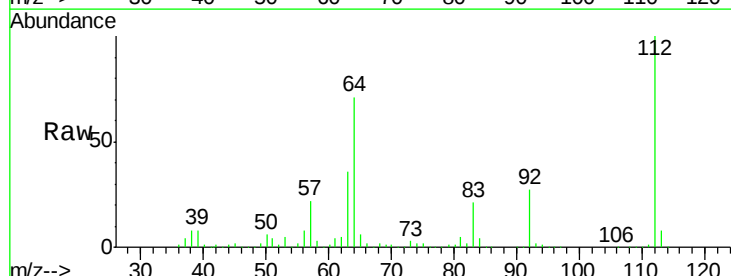
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#5

2-Fluorophenol
Concen: 139.57 ng
RT: 4.01 min Scan# 203
Delta R.T. -0.02 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	50.5	75.7
63	36.2	25.8	38.6





#7

Phenol-d6

Concen: 149.47 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_F

ClientSampleId :

K209-33-33.5

Tot Ion: 99 Resp: 2259392

Ion Ratio Lower Upper

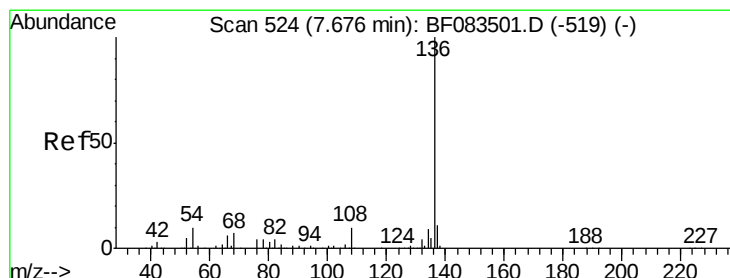
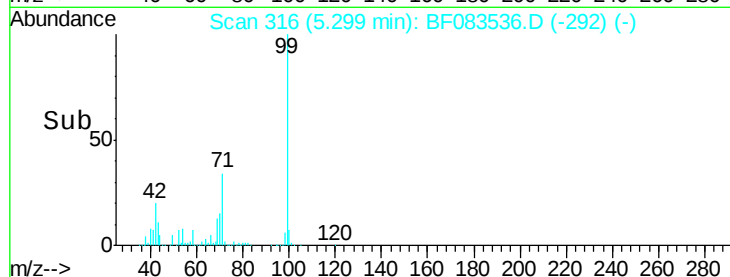
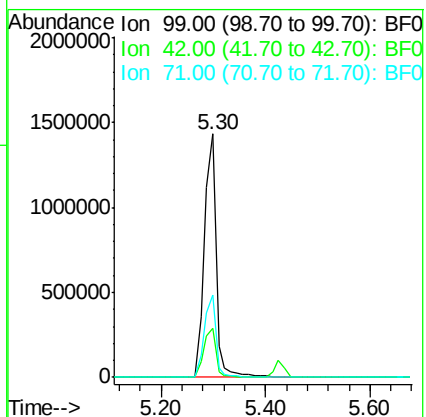
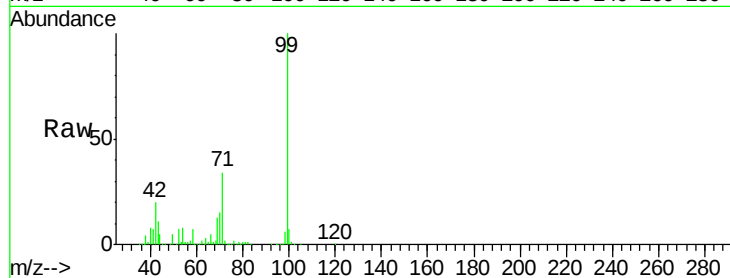
99 100

42 20.4 17.3 25.9

71 33.7 26.6 40.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Tgt Ion: 136 Resp: 647541

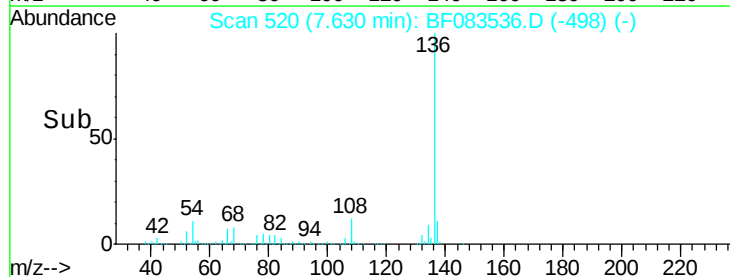
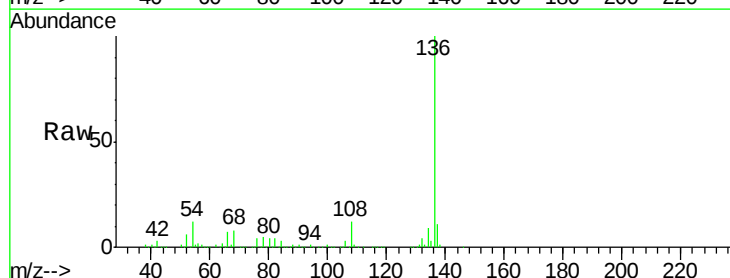
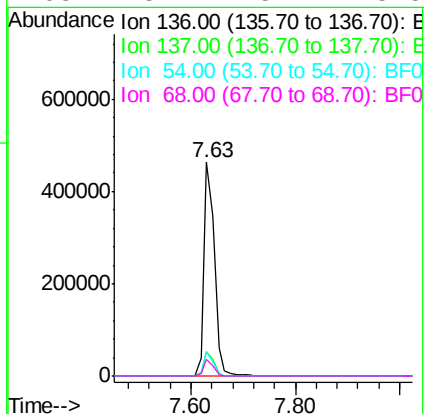
Ion Ratio Lower Upper

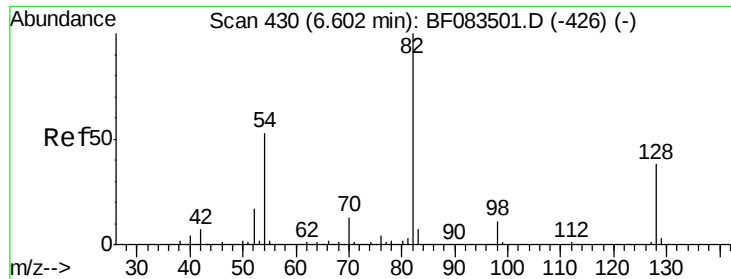
136 100

137 11.3 8.7 13.1

54 11.5 7.8 11.6

68 8.1 5.7 8.5





#23
 Nitrobenzene-d5
 Concen: 97.91 ng
 RT: 6.57 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

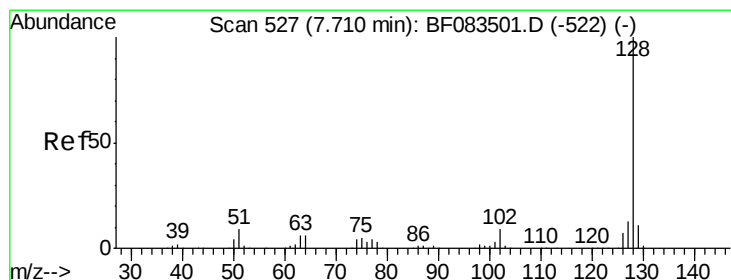
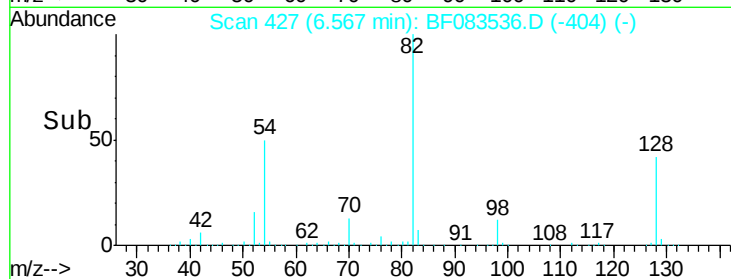
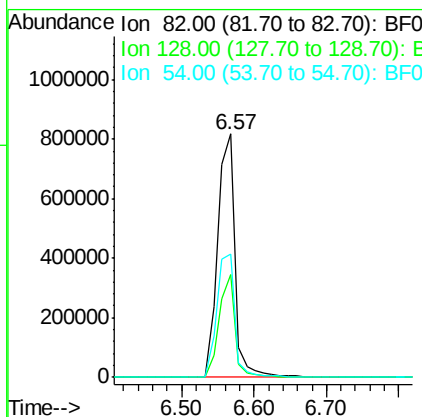
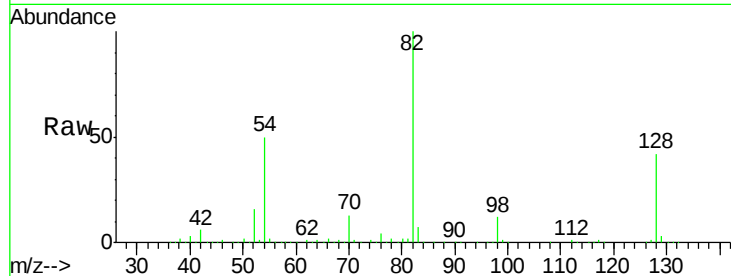
Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

Tot Ion: 82 Resp: 1356270

Ion	Ratio	Lower	Upper
82	100		
128	42.0	30.7	46.1
54	50.4	42.5	63.7

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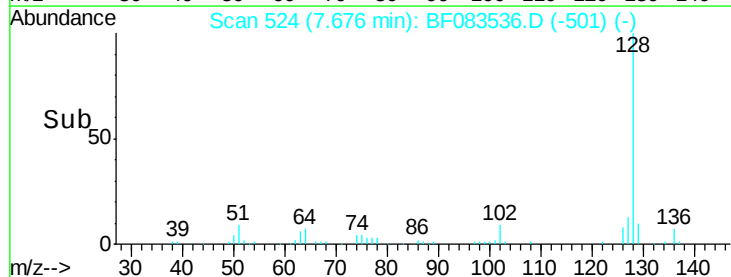
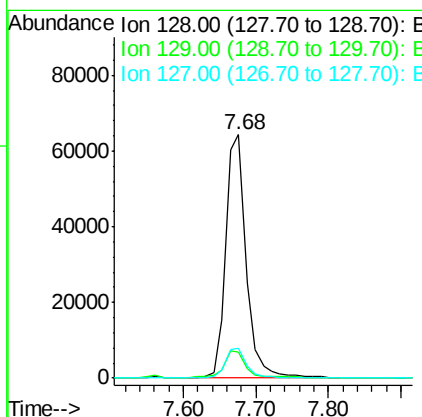
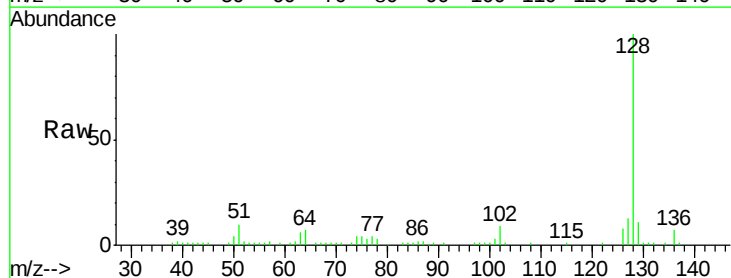
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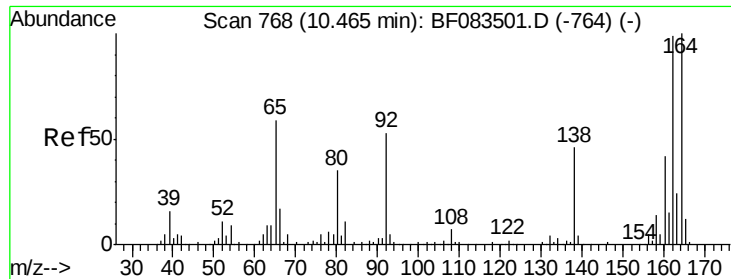


#31
 Naphthalene
 Concen: 3.64 ng
 RT: 7.68 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion: 128 Resp: 125482

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.5	10.6	16.0





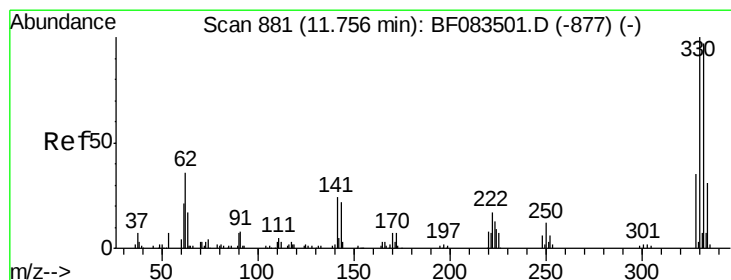
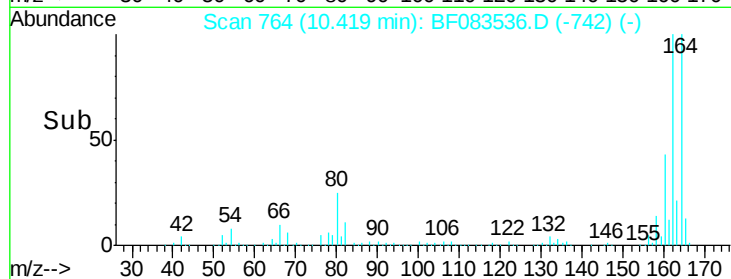
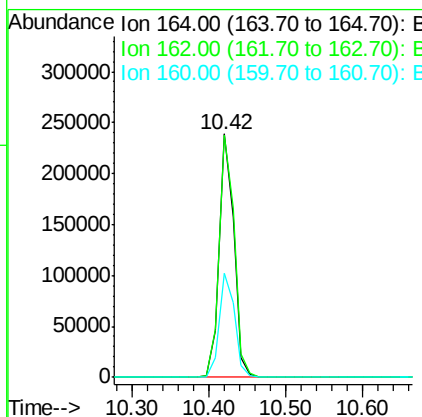
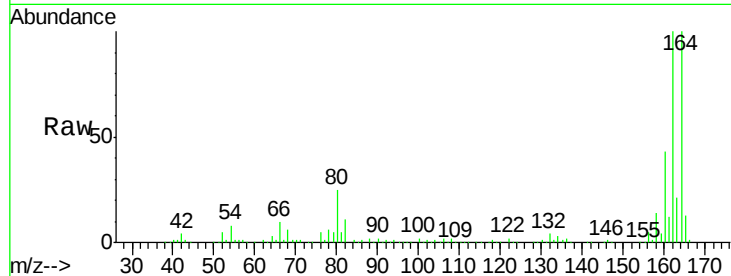
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100		322404		
162	99.8	78.8	118.2		
160	42.7	33.4	50.2		

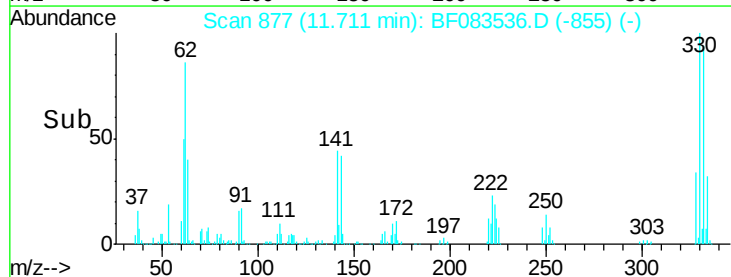
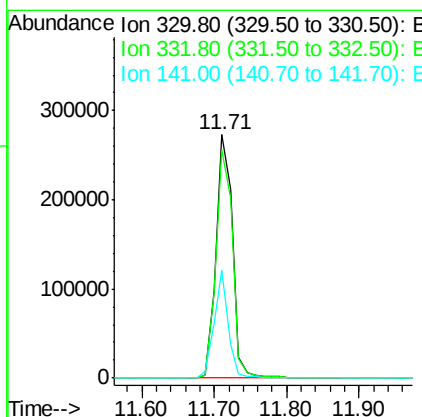
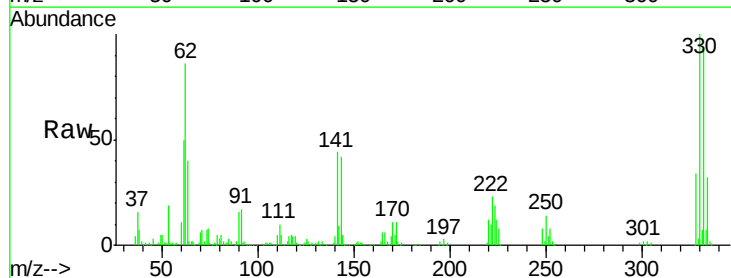
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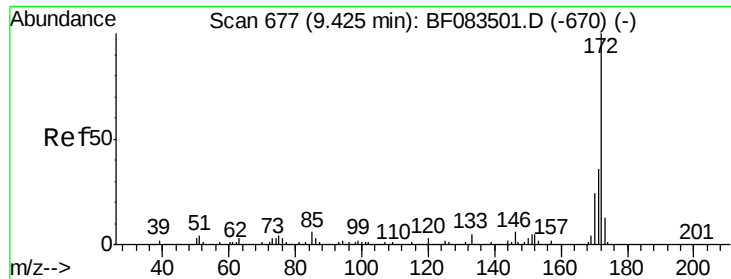
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#41
2,4,6-Tribromophenol
Concen: 144.96 ng
RT: 11.71 min Scan# 877
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100		431103		
332	95.0	0.0	0.0#		
141	38.6	0.0	0.0#		





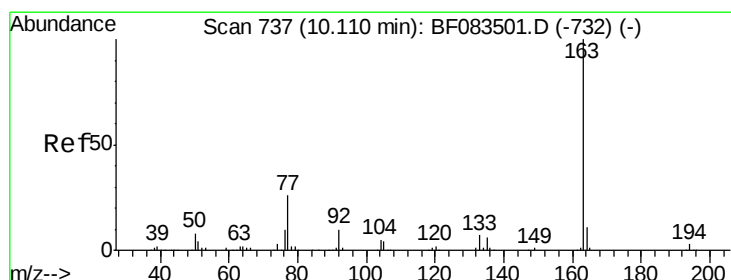
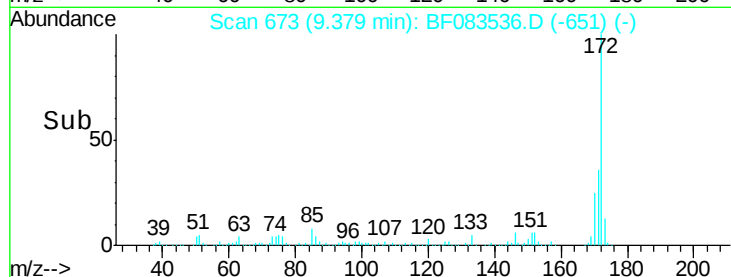
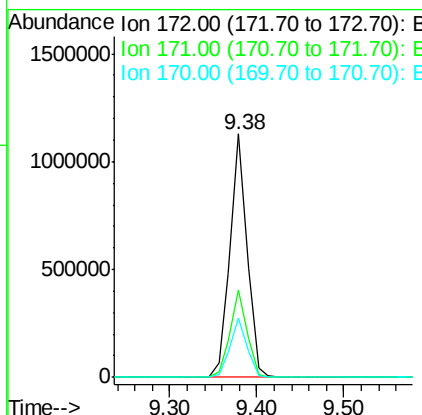
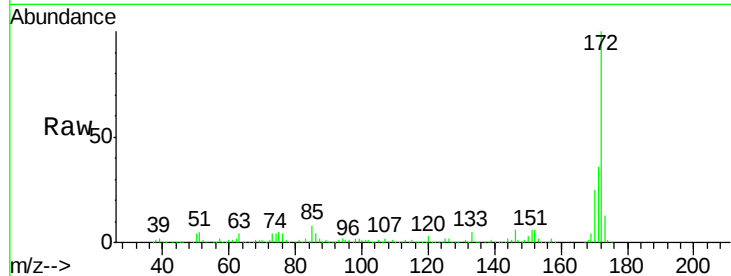
#44
2-Fluorobiphenyl
Concen: 65.02 ng
RT: 9.38 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	24.6	19.4	29.0

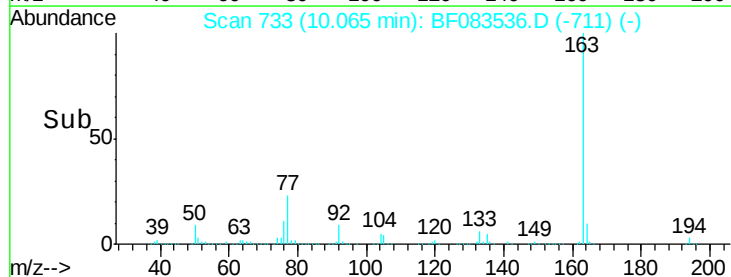
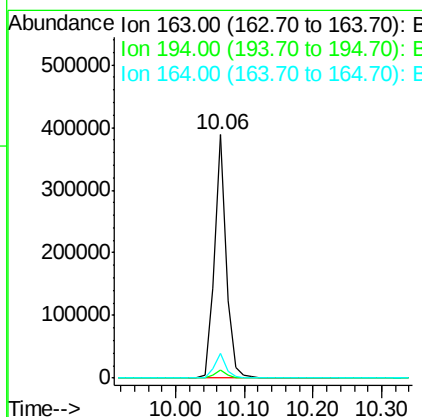
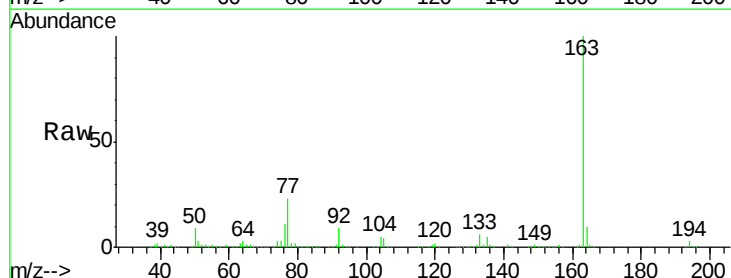
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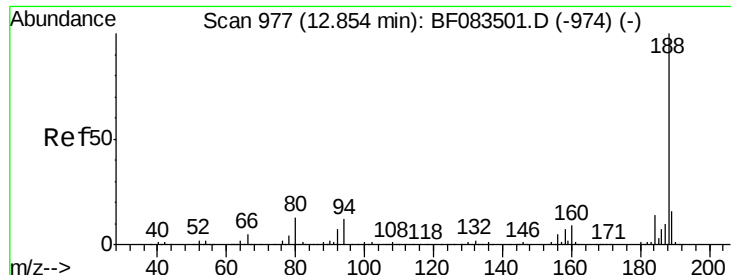
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#49
Dimethylphthalate
Concen: 18.61 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.1	8.6	13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.82 min Scan# 974

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_F

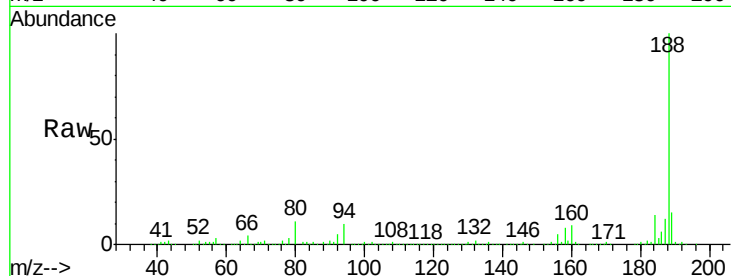
ClientSampleId :

K209-33-33.5

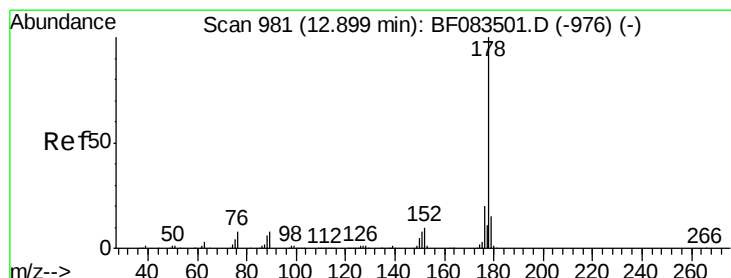
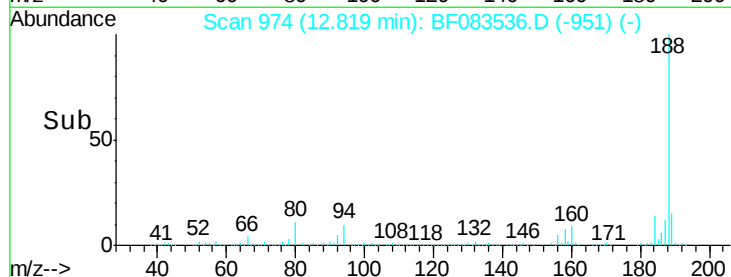
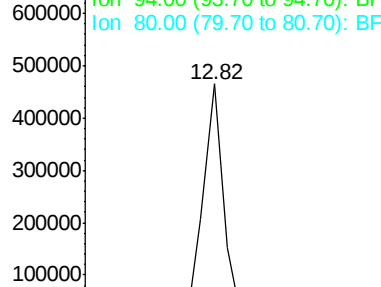
Tot Ion:	188	Resp:	585061
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.4	14.2
80	11.3	10.6	16.0

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 9.91 ng

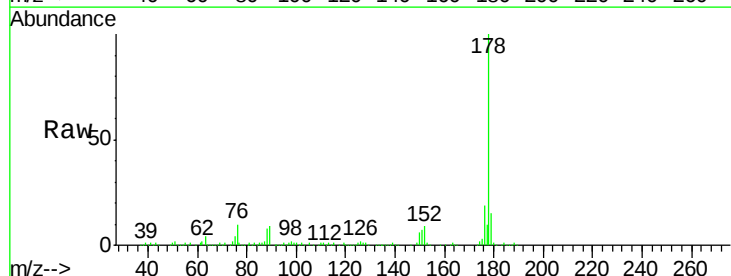
RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

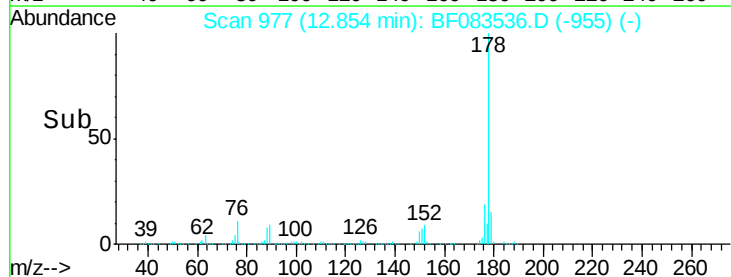
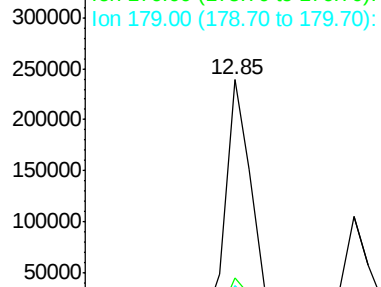
Lab File: BF083536.D

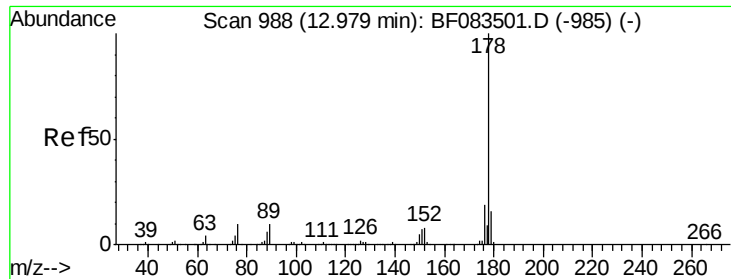
Acq: 7 Dec 2015 1:17

Tgt Ion:	178	Resp:	337405
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.7	23.5
179	15.5	12.2	18.4



Abundance Ion 178.00 (177.70 to 178.70): E





#71

Anthracene

Concen: 4.25 ng

RT: 12.94 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_F

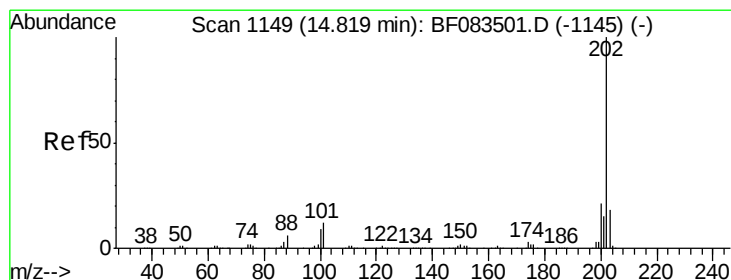
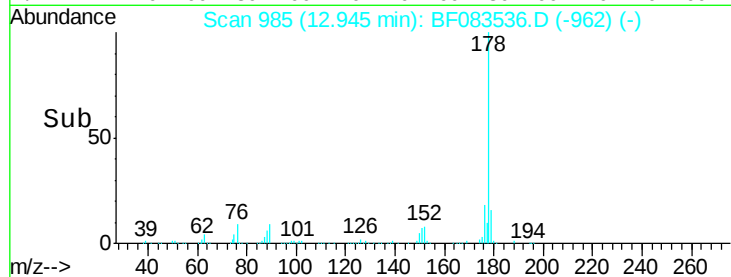
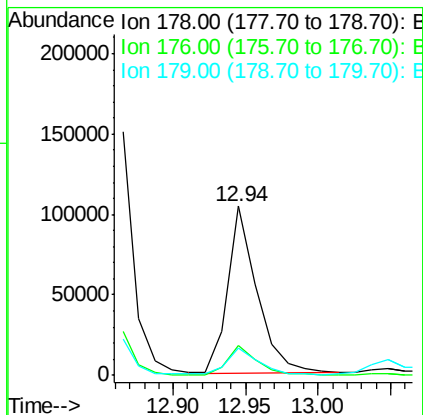
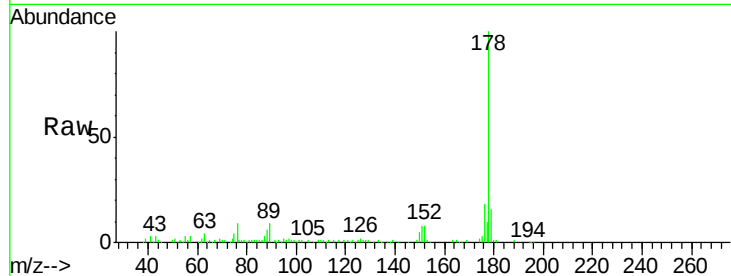
ClientSampleId :

K209-33-33.5

Tot Ion:	178	Resp:	147748
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.2	22.8
179	16.3	12.6	18.8

Manual Integrations
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#74

Fluoranthene

Concen: 5.09 ng

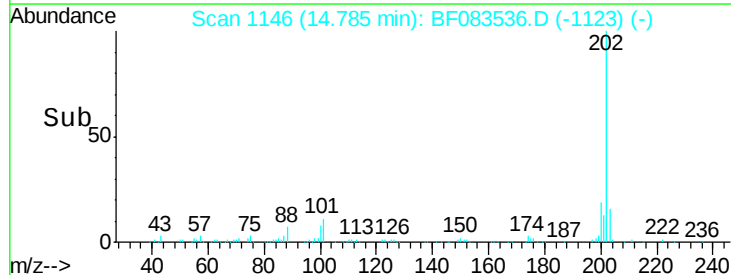
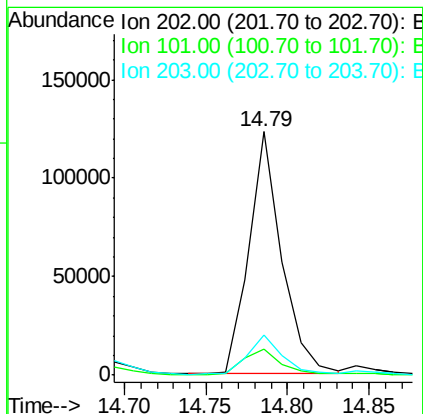
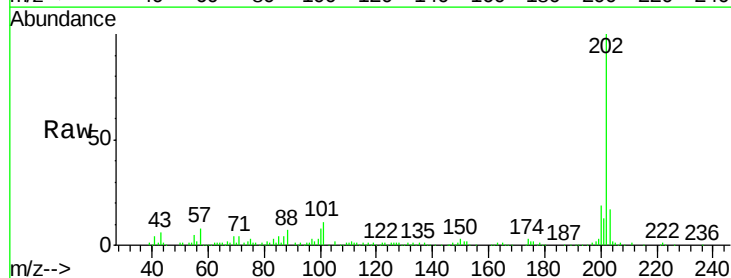
RT: 14.79 min Scan# 1146

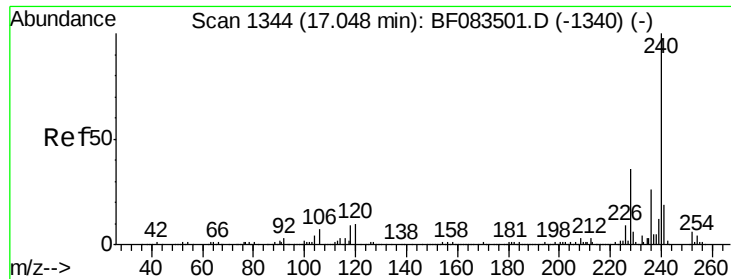
Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Tgt Ion:	202	Resp:	171721
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.5
203	16.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_F

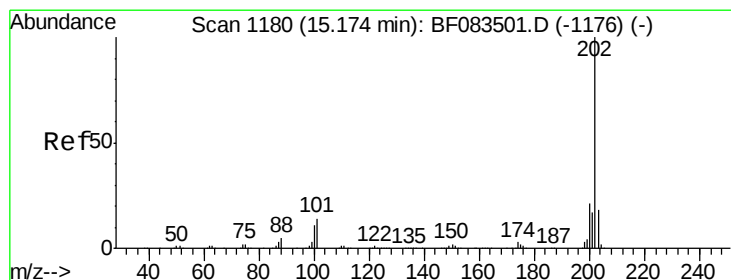
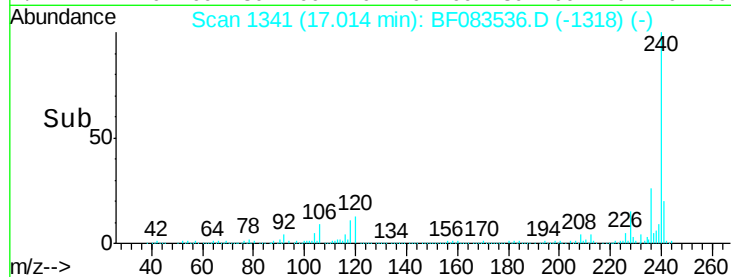
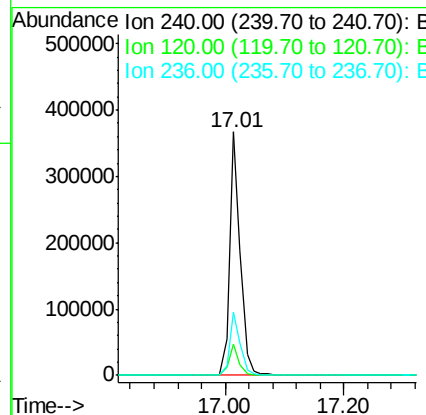
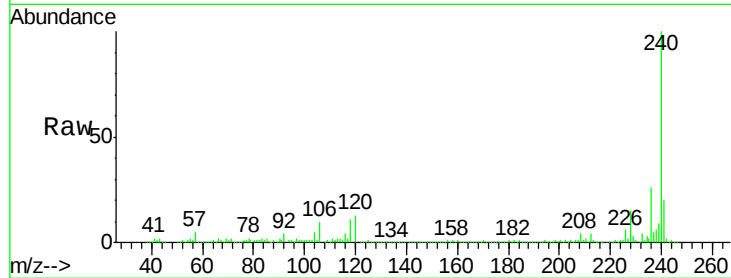
ClientSampleId :

K209-33-33.5

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.9	8.1	12.1	
236	25.7	20.8	31.2	

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#77

Pyrene

Concen: 8.96 ng

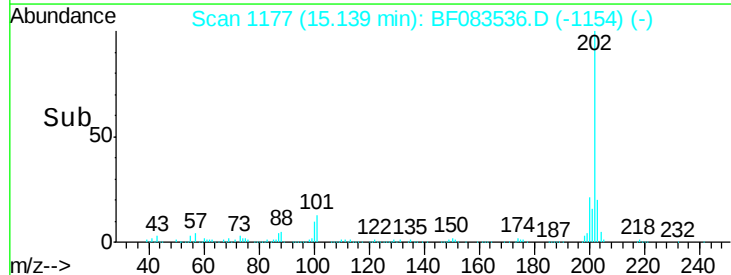
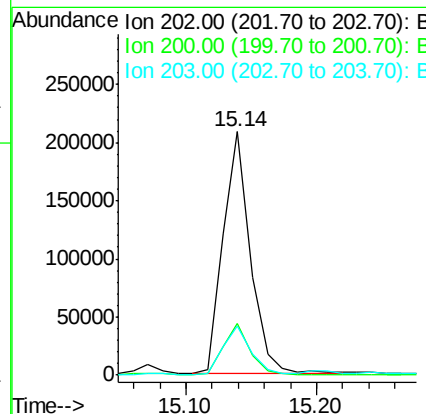
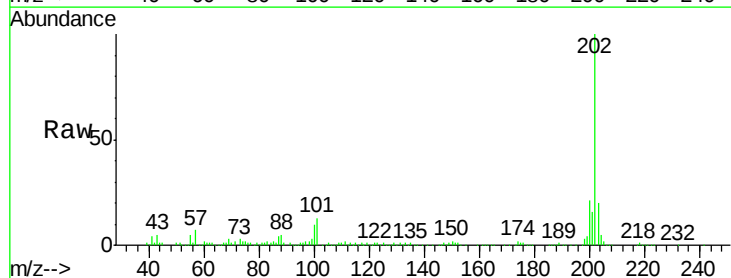
RT: 15.14 min Scan# 1177

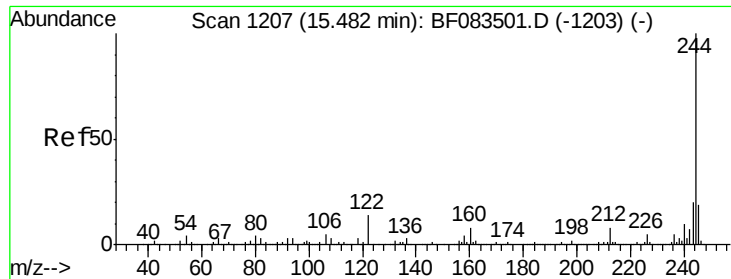
Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	16.7	25.1	
203	20.2	14.3	21.5	





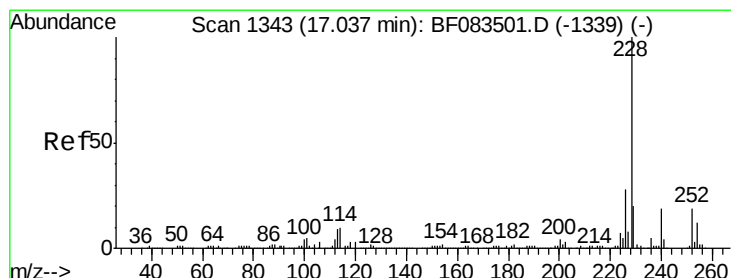
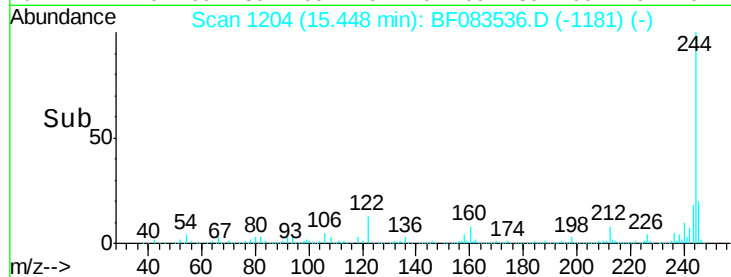
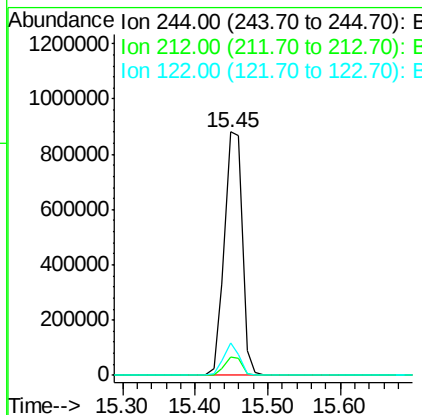
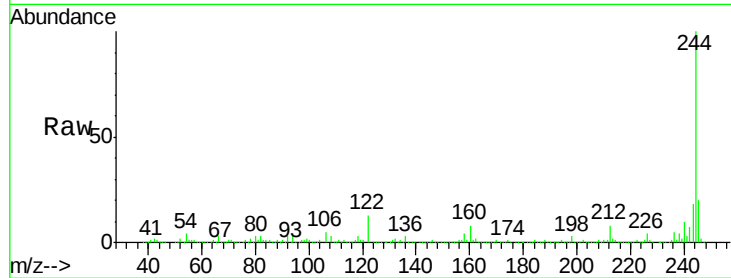
#78
 Terphenyl-d14
 Concen: 74.48 ng
 RT: 15.45 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

Tot Ion:244 Resp: 1516024
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 13.3 11.0 16.6

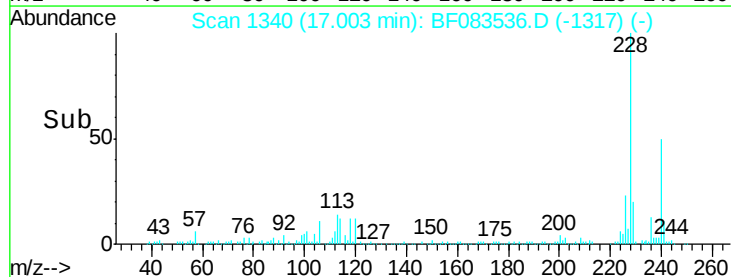
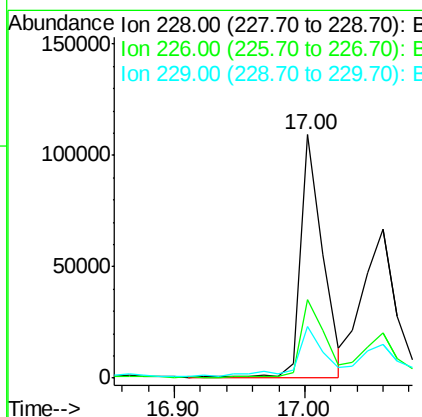
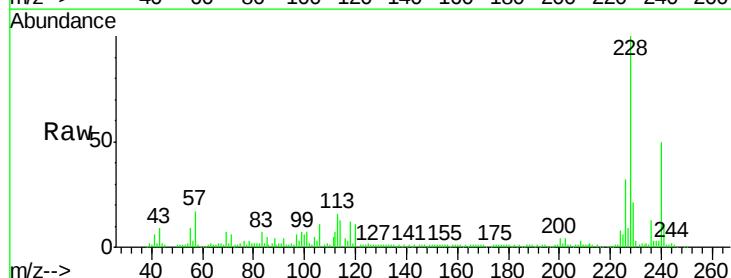
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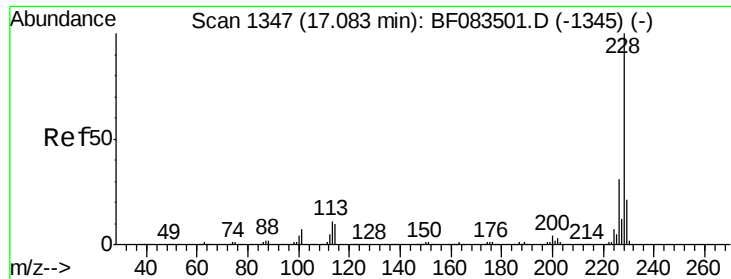
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#80
 Benzo(a)anthracene
 Concen: 4.80 ng
 RT: 17.00 min Scan# 1340
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion:228 Resp: 127229
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.3 33.5
 229 21.1 15.7 23.5





#82

Chrvsene

Concen: 4.52 ng

RT: 17.06 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_F

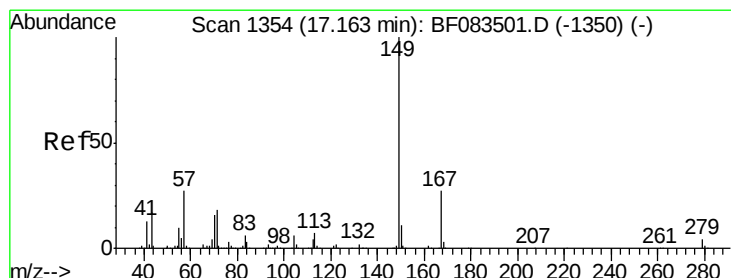
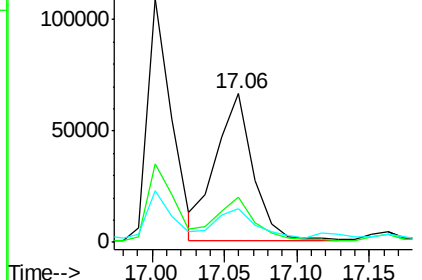
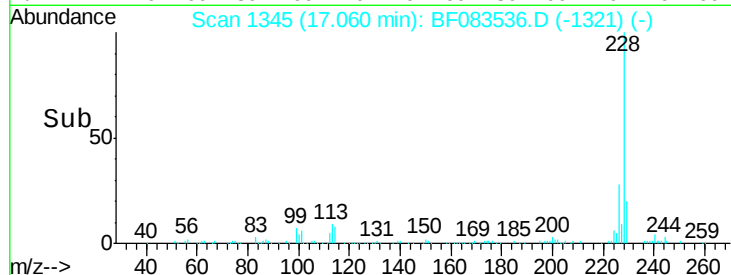
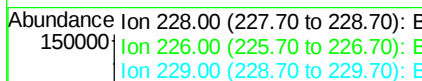
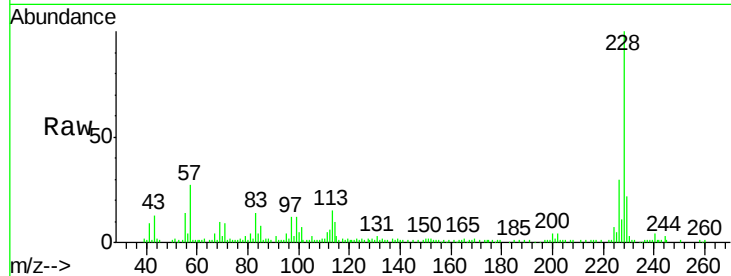
ClientSampleId :

K209-33-33.5

Tot Ion:	228	Resp:	119270
Ion Ratio		Lower	Upper
228	100		
226	30.1	24.7	37.1
229	22.4	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.03 ng

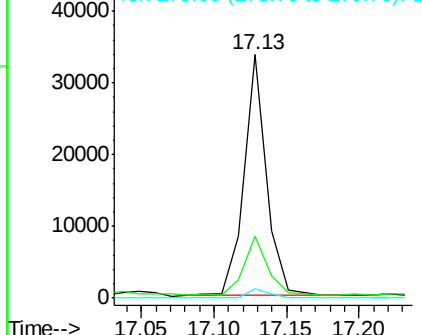
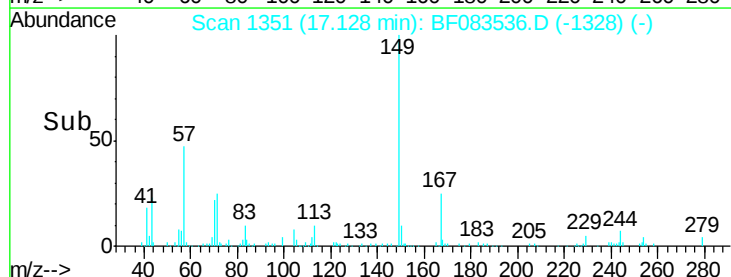
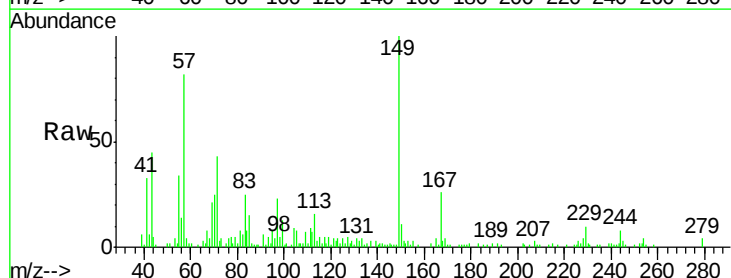
RT: 17.13 min Scan# 1351

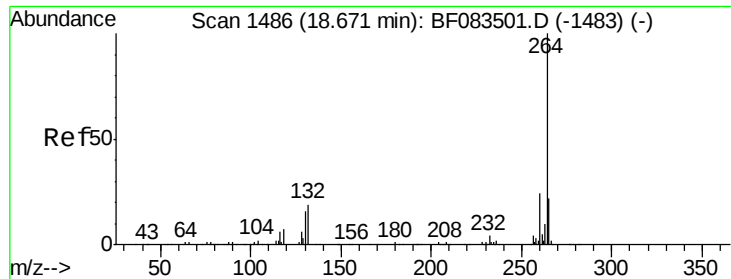
Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Tgt Ion:	149	Resp:	35514
Ion Ratio		Lower	Upper
149	100		
167	25.6	21.8	32.8
279	3.8	3.0	4.4





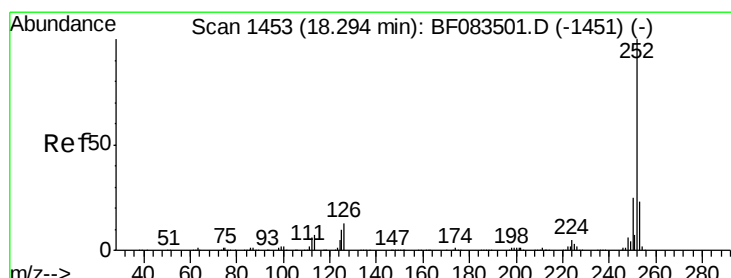
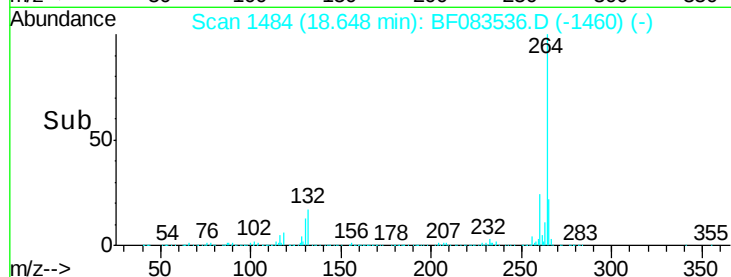
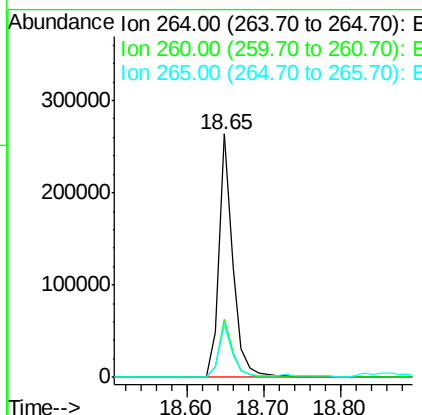
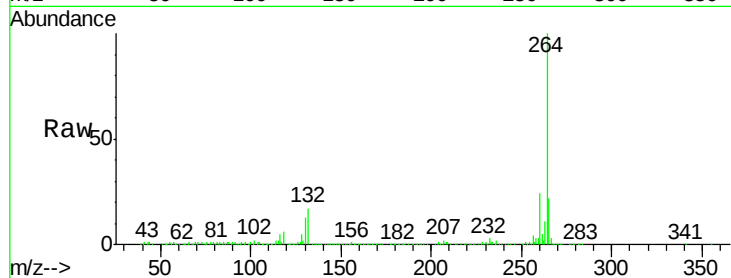
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_F
ClientSampleId :
K209-33-33.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	22.0	17.8	26.6

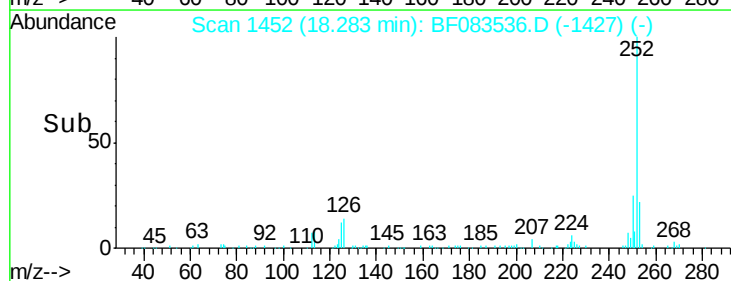
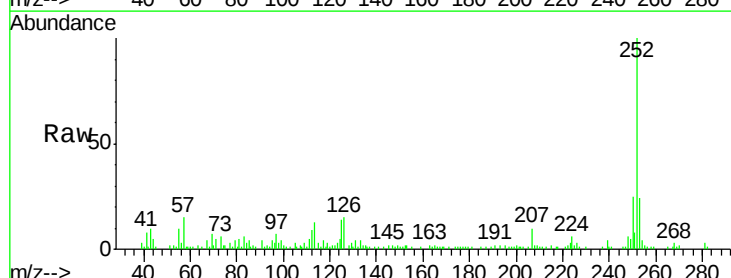
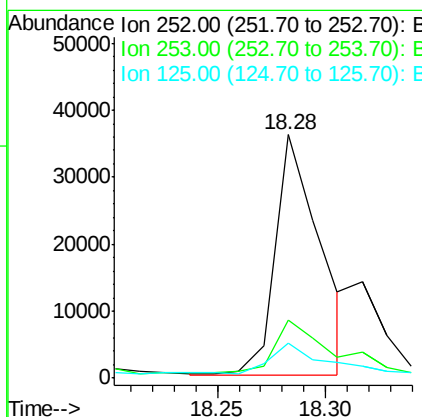
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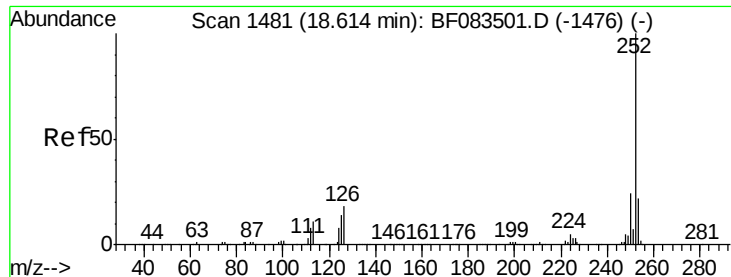
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#87
Benzo(b)fluoranthene
Concen: 2.76 ng m
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	14.1	8.2	12.4#





#89
 Benzo(a)pyrene
 Concen: 3.29 ng
 RT: 18.60 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Instrument :
 BNA_F
 ClientSampleId :
 K209-33-33.5

Tot Ion:	252	Resp:	60475
Ion Ratio		Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.0	11.0	16.6

Manual Integrations
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