

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082380.D
 Acq On : 20 Oct 2015 4:05
 Operator : UM/IZ
 Sample : G4040-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Manual Integrations
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Quant Time: Oct 20 08:11:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	88754	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	345781	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	176874	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	295638	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	221562	20.00	ng	-0.01
86) Perylene-d12	15.50	264	199471	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	486253	110.57	ng	-0.03
7) Phenol-d6	6.45	99	631475	110.34	ng	-0.03
23) Nitrobenzene-d5	7.37	82	369713	71.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	132591	79.93	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	826160	77.46	ng	-0.03
78) Terphenyl-d14	12.94	244	659023	78.82	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	164936	13.24	ng	99
70) Phenanthrene	11.36	178	45458	3.14	ng	99
74) Fluoranthene	12.55	202	56732	3.65	ng	96
77) Pyrene	12.79	202	58180	4.42	ng	97
80) Benzo(a)anthracene	13.99	228	30300	2.63	ng	98
87) Benzo(b)fluoranthene	15.08	252	24961m	2.06	ng	

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

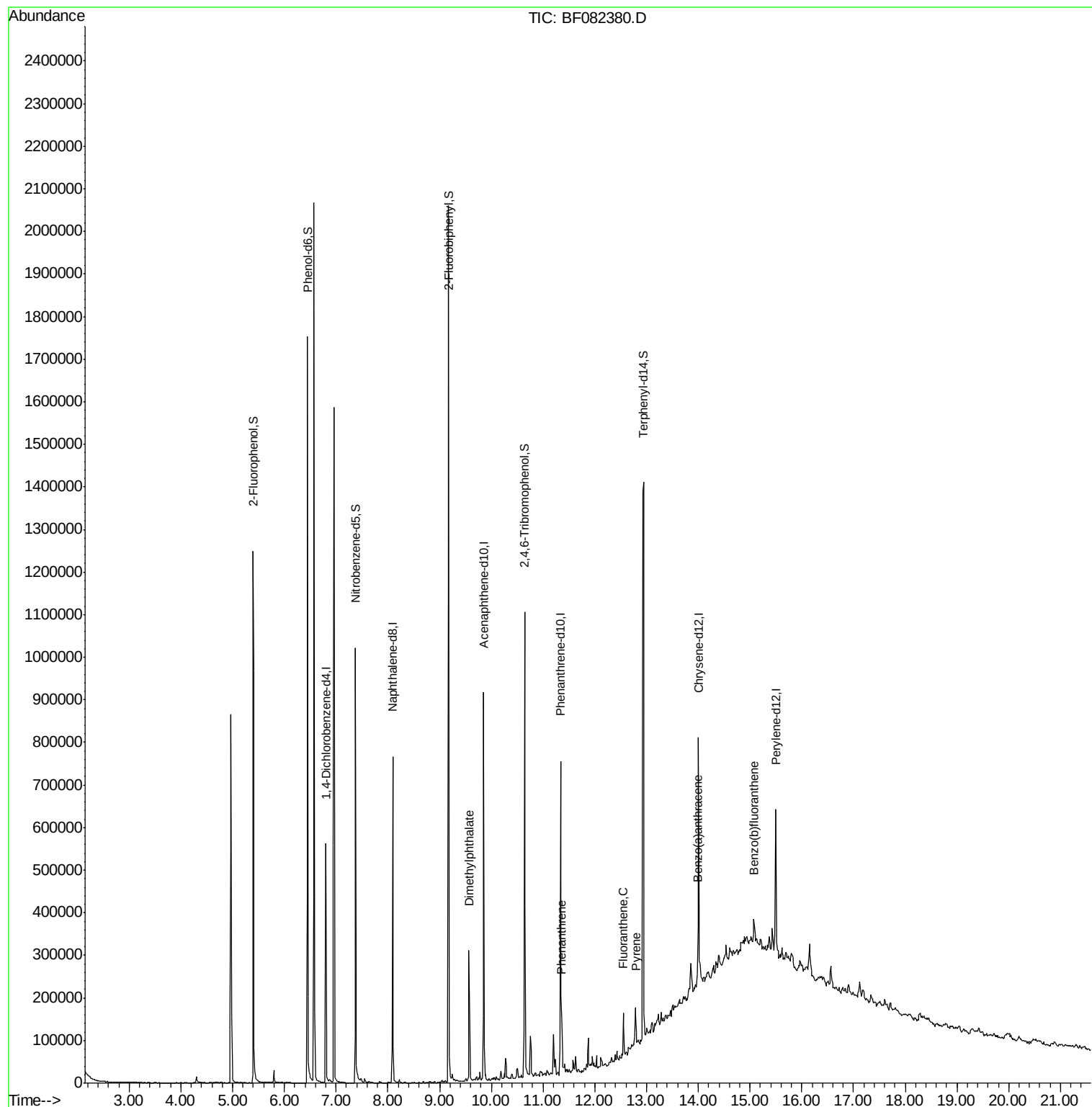
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
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ALS Vial : 27 Sample Multiplier: 1

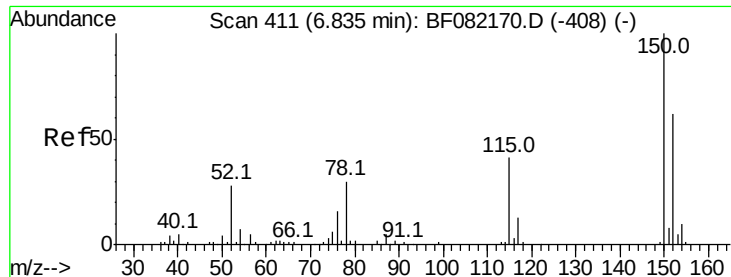
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03

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Quant Time: Oct 20 08:11:22 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03

Tot Ion:152 Resp: 88754

Ion Ratio Lower Upper

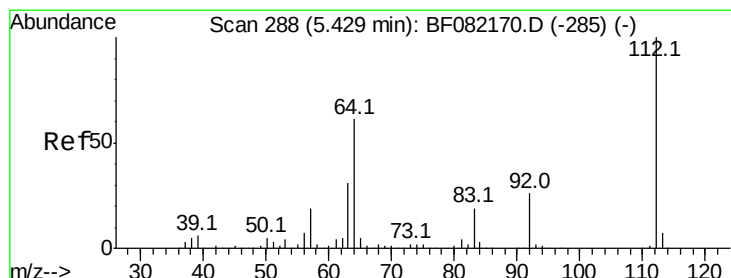
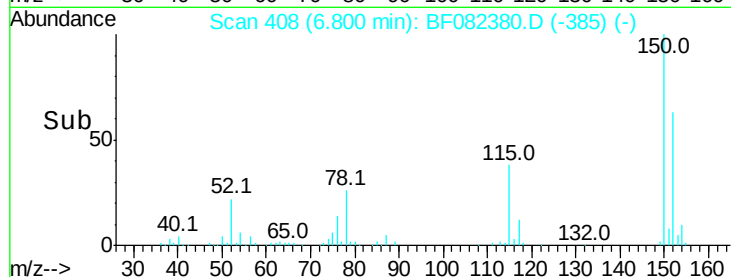
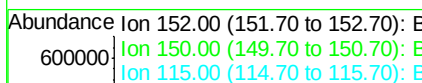
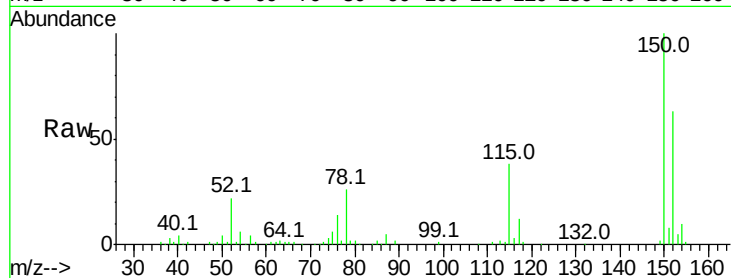
152 100

150 159.2 129.0 193.4

115 60.5 52.1 78.1

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#5

2-Fluorophenol

Concen: 110.57 ng

RT: 5.39 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

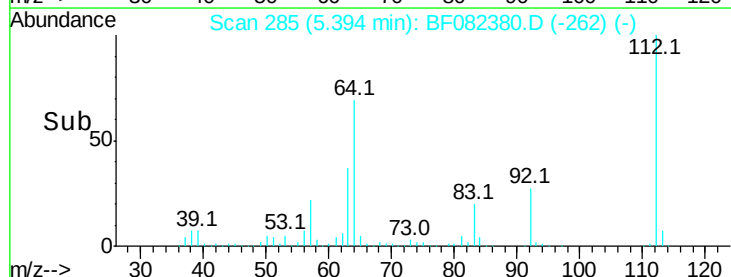
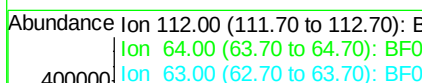
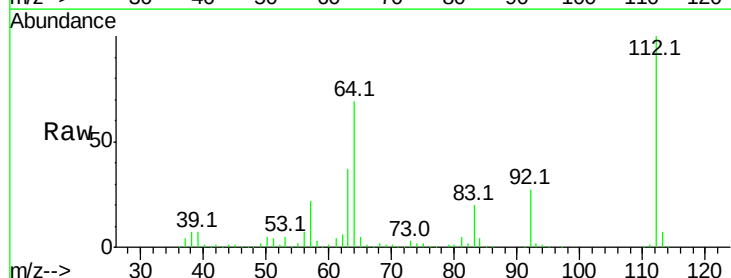
Tgt Ion:112 Resp: 486253

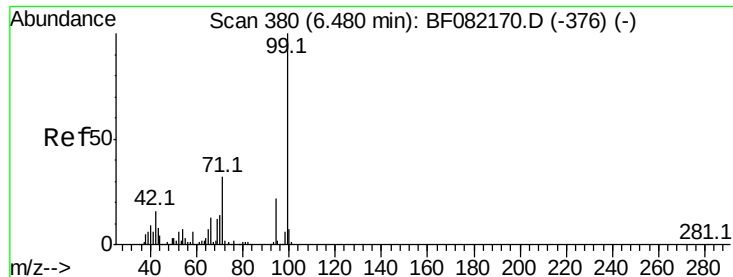
Ion Ratio Lower Upper

112 100

64 69.2 48.6 73.0

63 36.6 25.1 37.7





#7

Phenol-d6

Concen: 110.34 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

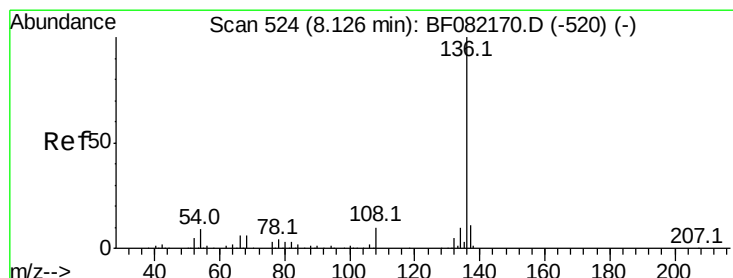
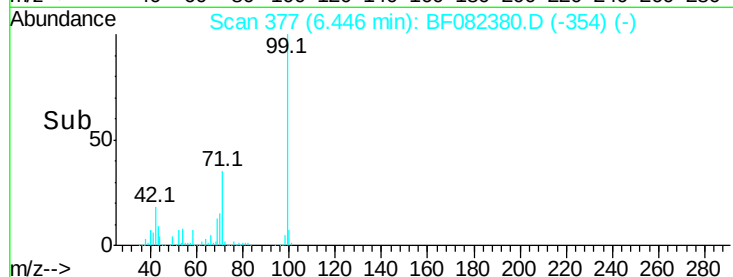
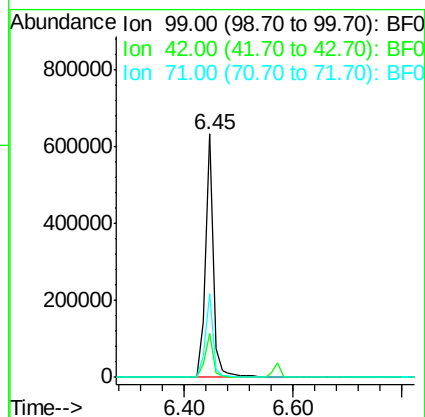
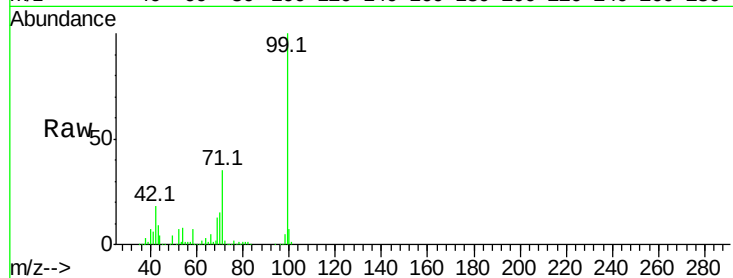
ClientSampleId :

IM-MLA-DGA-03

Tot Ion:	99	Resp:	631475
Ion Ratio	Lower	Upper	
99	100		
42	17.9	13.2	19.8
71	34.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

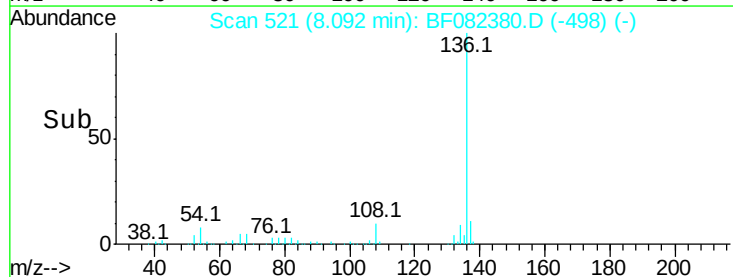
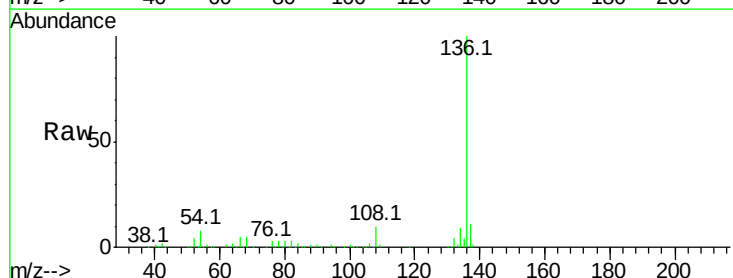
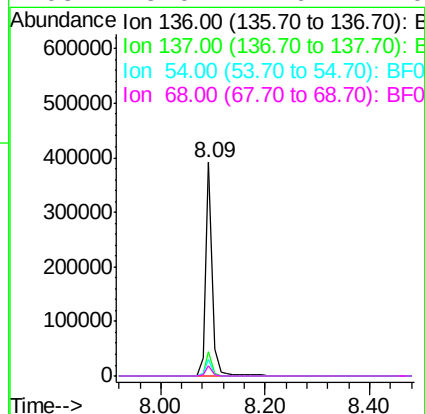
RT: 8.09 min Scan# 521

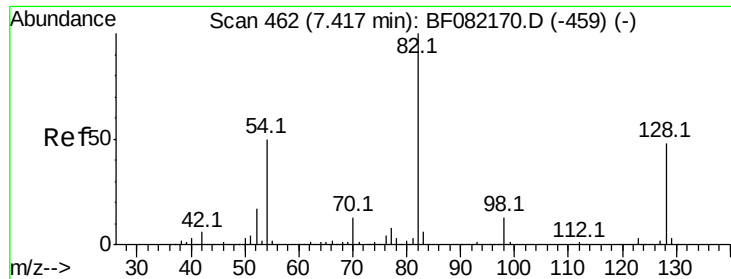
Delta R.T. -0.03 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion:	136	Resp:	345781
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	7.8	7.5	11.3
68	5.0	4.6	7.0





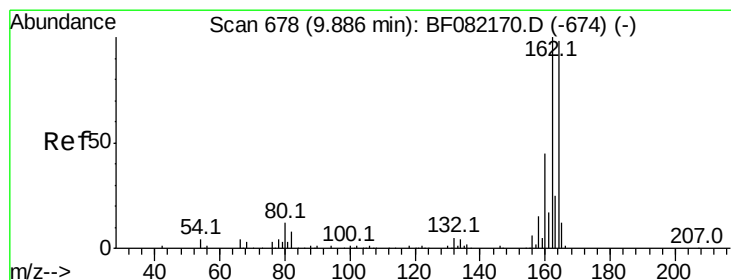
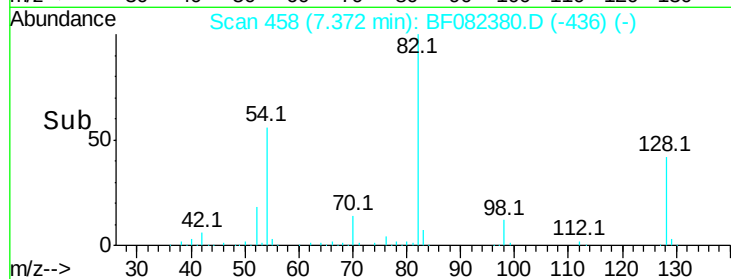
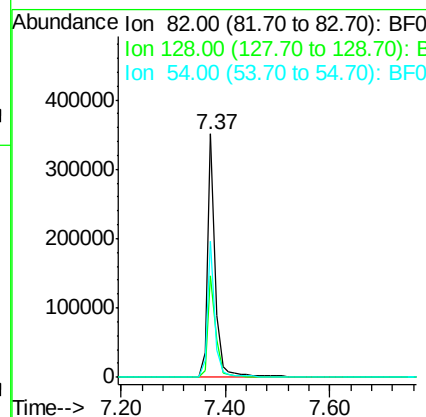
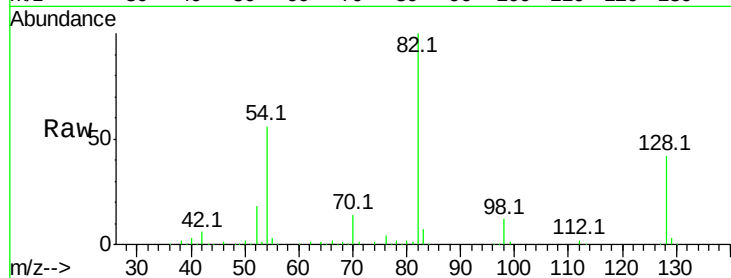
#23
 Nitrobenzene-d5
 Concen: 71.80 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Tot Ion	Ratio	Resp	Lower	Upper
82	100	369713		
128	41.8	38.7	58.1	
54	55.9	40.1	60.1	

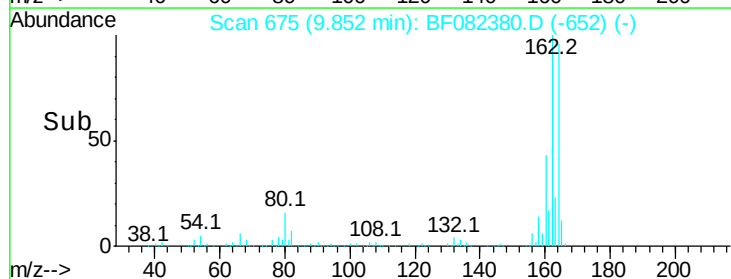
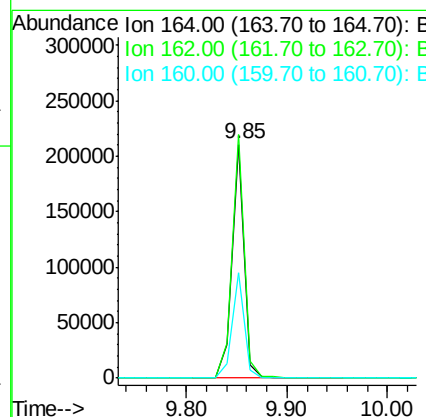
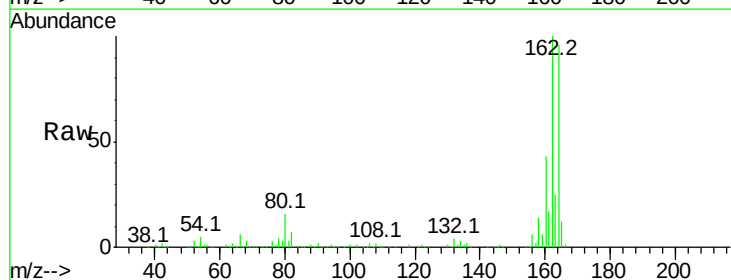
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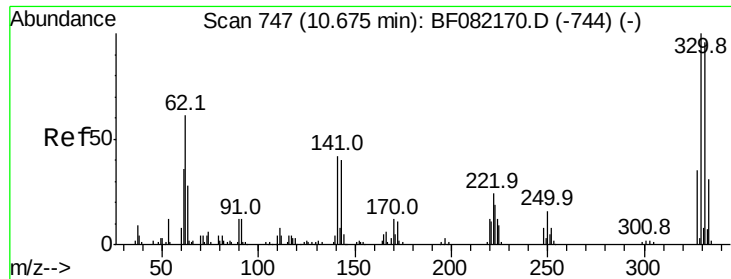
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	176874		
162	104.1	81.6	122.4	
160	45.2	36.4	54.6	





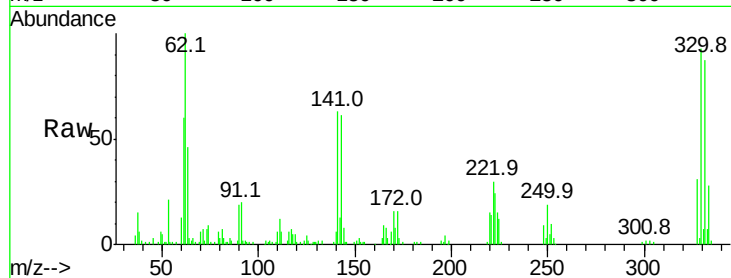
#41
 2,4,6-Tribromophenol
 Concen: 79.93 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

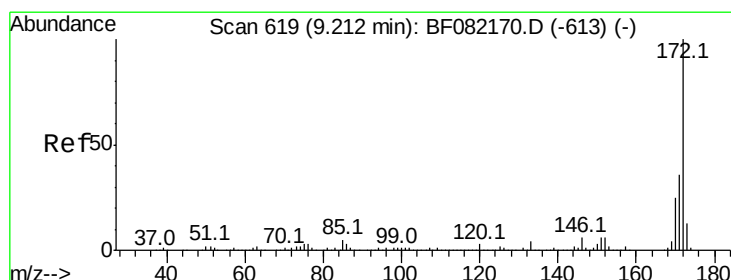
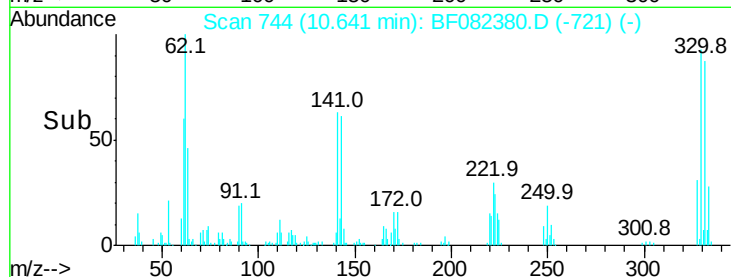
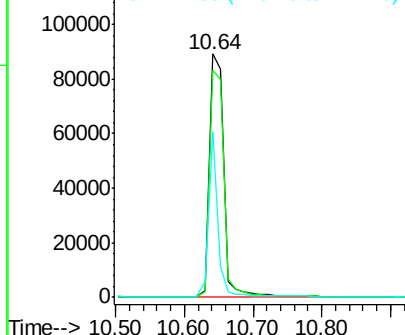
Tot Ion	Ratio	Resp	Lower	Upper
330	100	132591		
332	94.9	77.1	115.7	
141	43.9	29.8	44.8	

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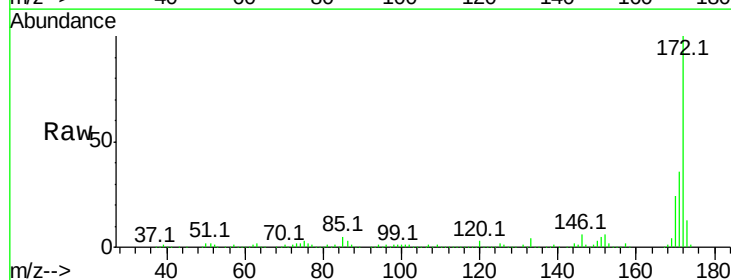


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

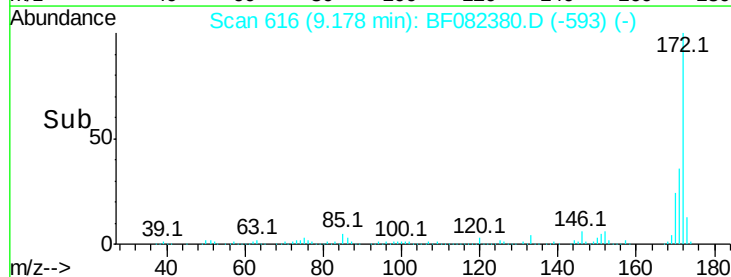
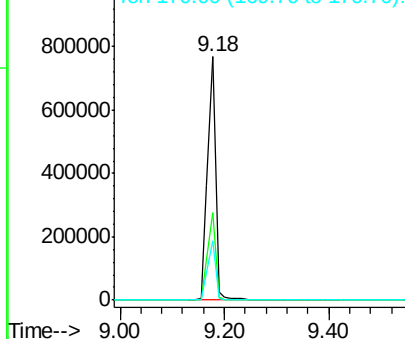


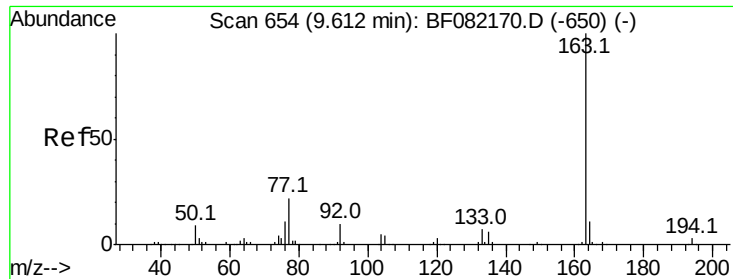
#44
 2-Fluorobiphenyl
 Concen: 77.46 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	826160		
171	35.7	28.6	42.8	
170	24.3	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





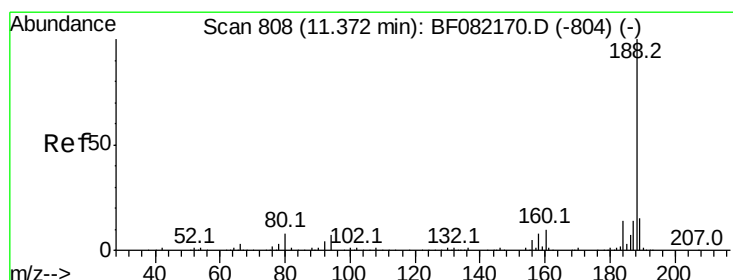
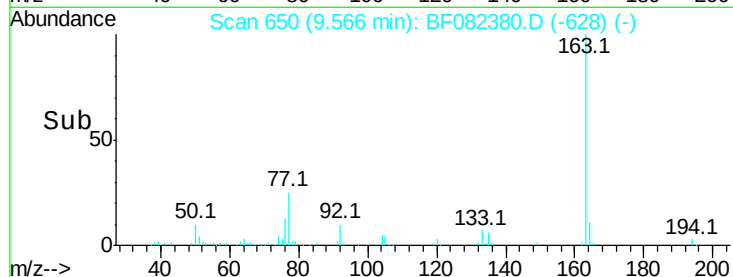
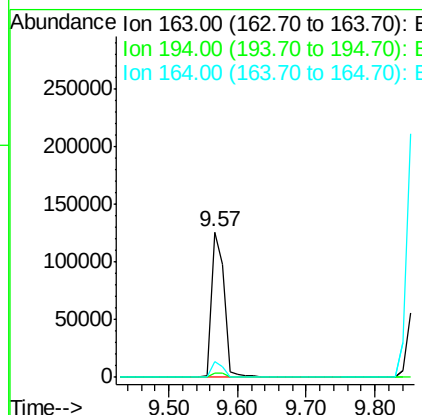
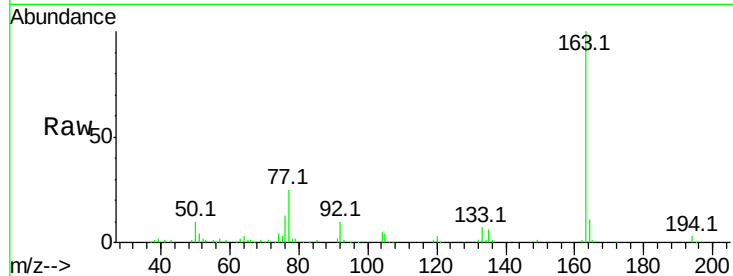
#49
Dimethylphthalate
Concen: 13.24 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03

Tot Ion	Ratio	Resp	Lower	Upper
163	100	164936		
194	2.9	2.6	4.0	
164	10.9	8.5	12.7	

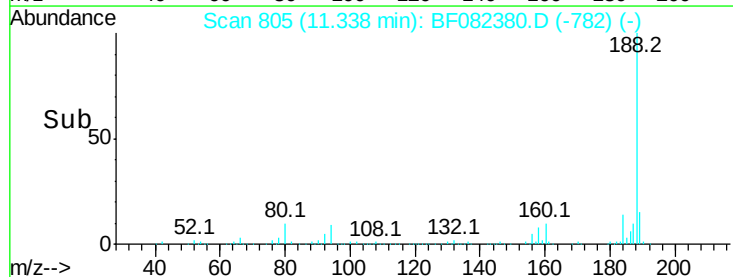
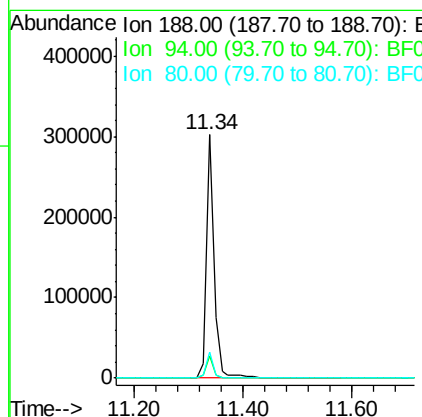
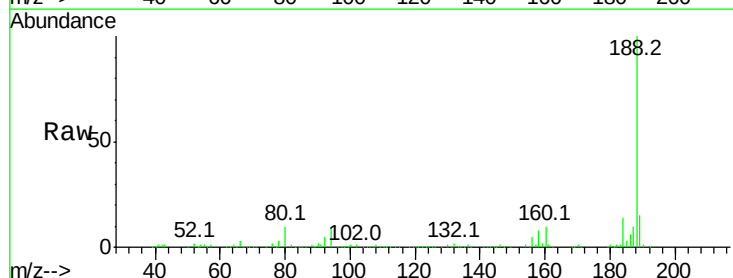
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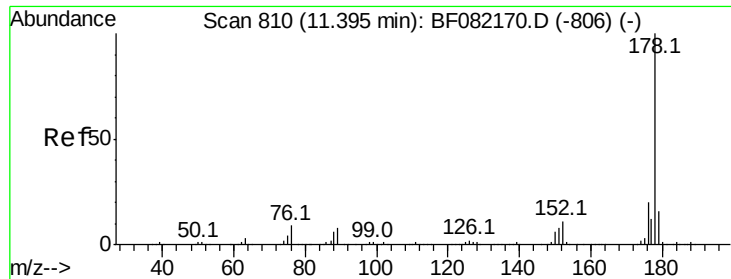
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	295638		
94	9.1	5.8	8.6#	
80	10.5	6.4	9.6#	





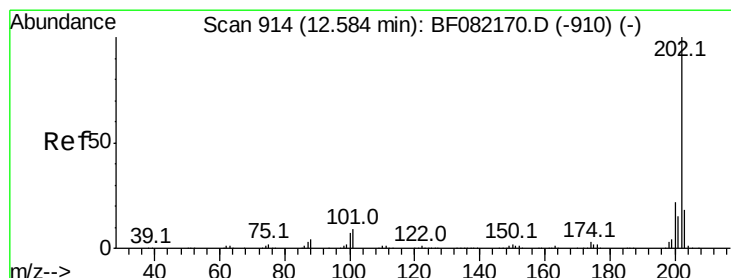
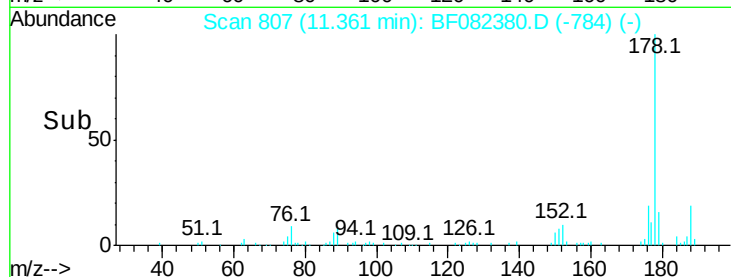
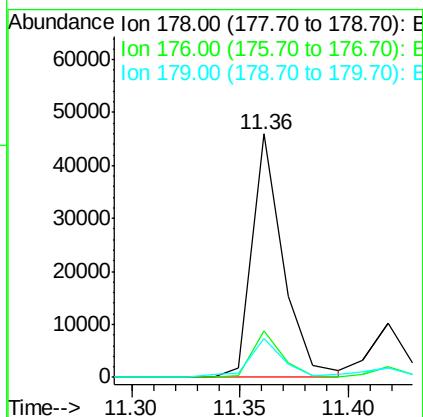
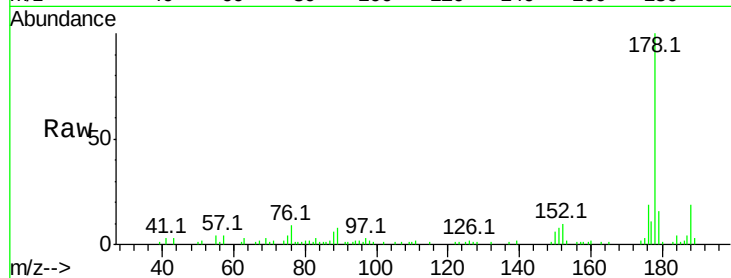
#70
Phenanthrene
Concen: 3.14 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.8	12.6	19.0

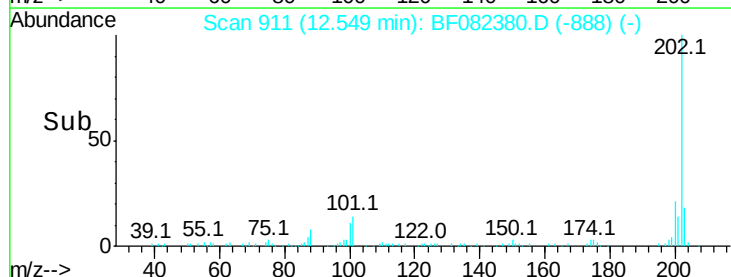
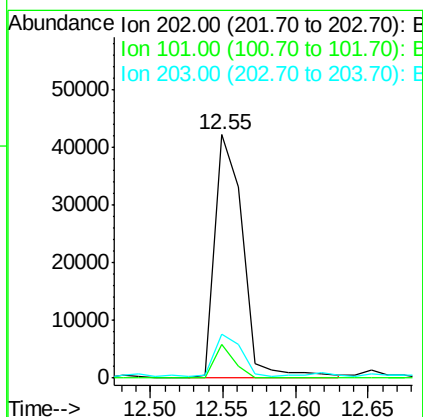
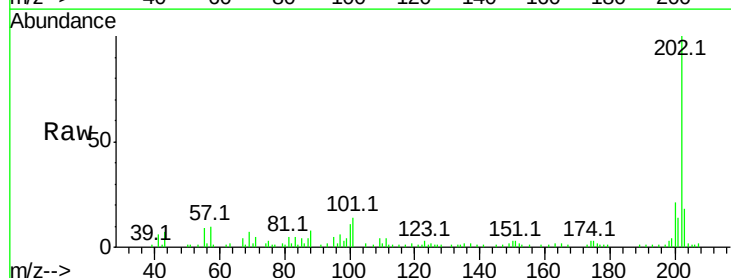
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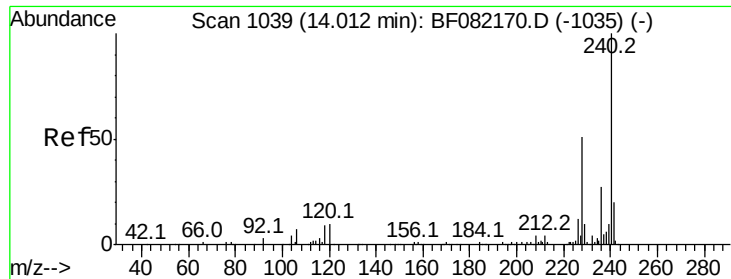
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#74
Fluoranthene
Concen: 3.65 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF082380.D
Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	29.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

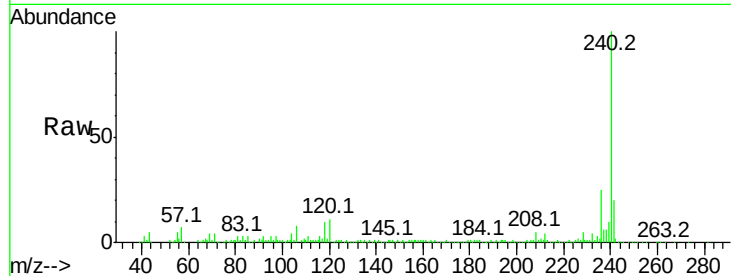
ClientSampleId :

IM-MLA-DGA-03

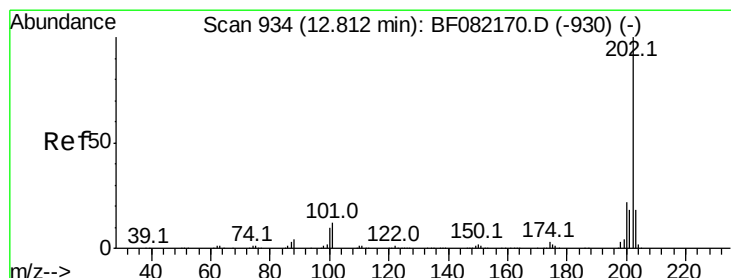
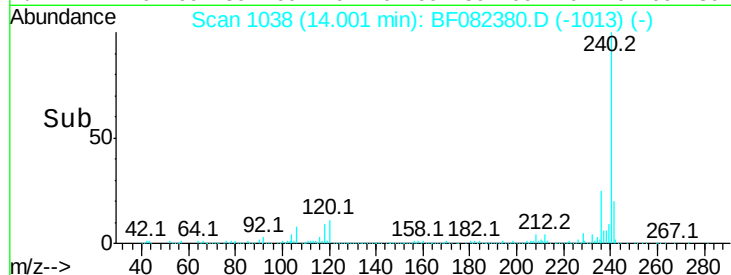
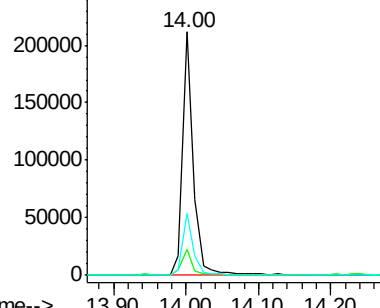
Tot Ion:	240	Resp:	221562
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.1	12.1
236	25.5	21.3	31.9

Manual Integrations
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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



#77

Pyrene

Concen: 4.42 ng

RT: 12.79 min Scan# 932

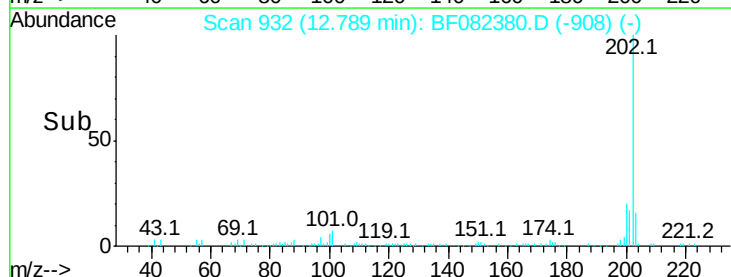
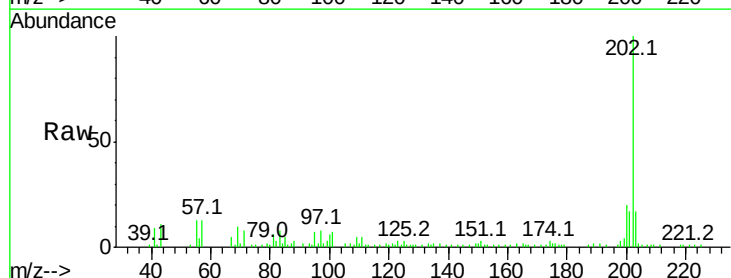
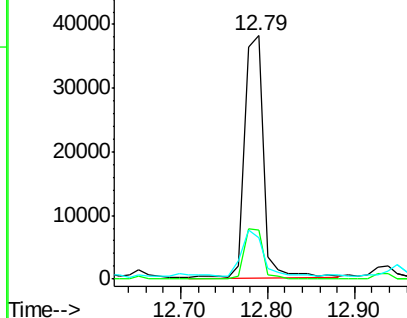
Delta R.T. -0.02 min

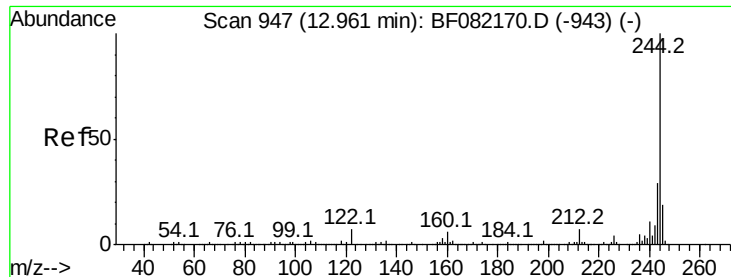
Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion:	202	Resp:	58180
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.9	26.9
203	17.2	14.5	21.7

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.82 ng

RT: 12.94 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Instrument :

BNA_F

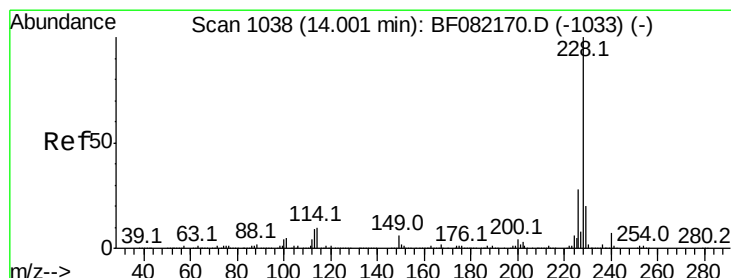
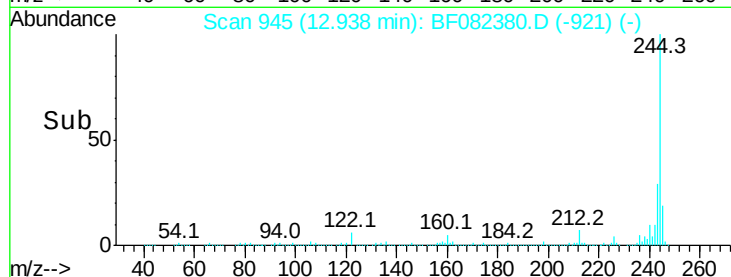
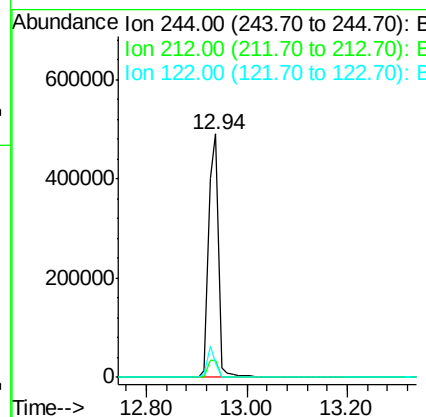
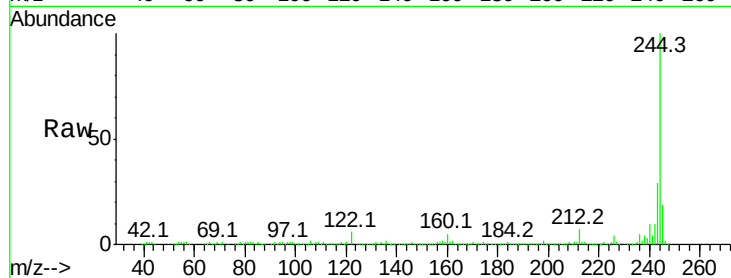
ClientSampleId :

IM-MLA-DGA-03

Tot Ion:	244	Resp:	659023
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.6
122	5.8	5.9	8.9#

Manual Integrations
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MMdadoda
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#80

Benzo(a)anthracene

Concen: 2.63 ng

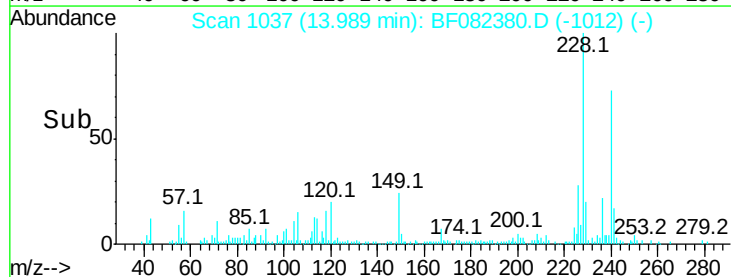
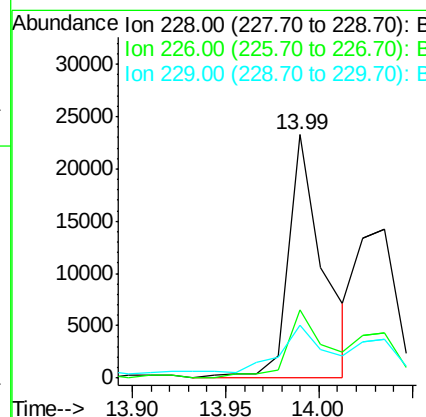
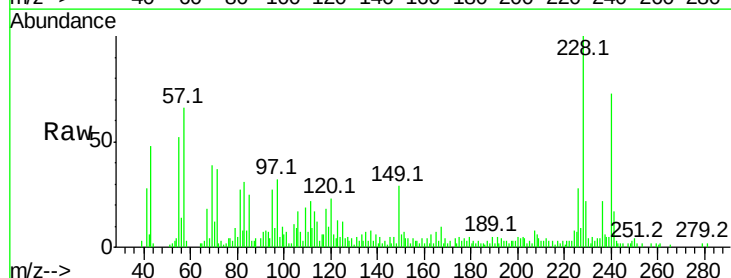
RT: 13.99 min Scan# 1037

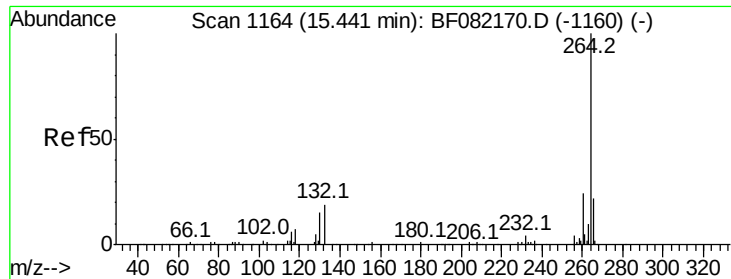
Delta R.T. -0.01 min

Lab File: BF082380.D

Acq: 20 Oct 2015 4:05

Tgt Ion:	228	Resp:	30300
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.3	33.5
229	21.8	16.2	24.2





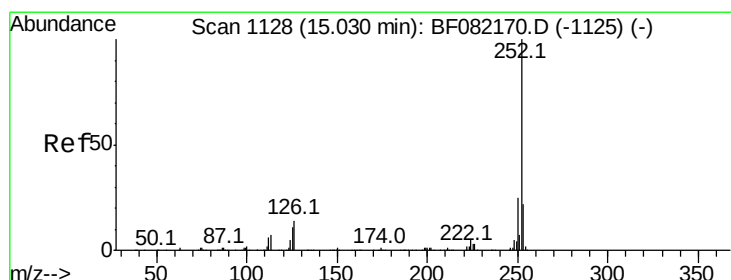
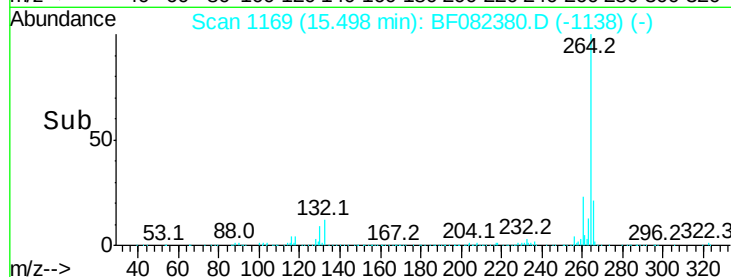
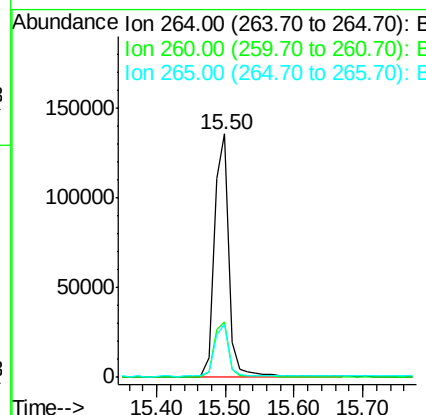
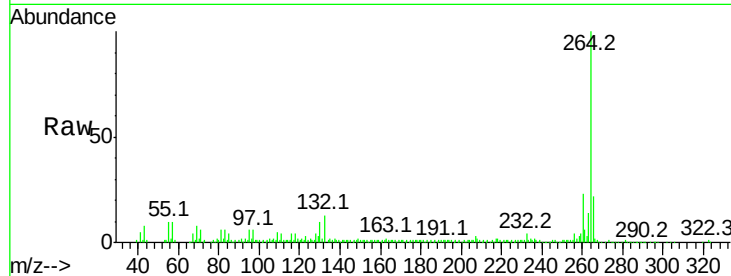
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1169
 Delta R.T. 0.06 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03

Tot Ion	Ratio	Resp	Lower	Upper
264	100	199471		
260	23.0		19.0	28.6
265	21.5		17.3	25.9

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:25:59 PM



#87
 Benzo(b)fluoranthene
 Concen: 2.06 ng m
 RT: 15.08 min Scan# 1132
 Delta R.T. 0.05 min
 Lab File: BF082380.D
 Acq: 20 Oct 2015 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	24961		
253	26.5		18.0	27.0
125	26.2		8.6	12.8#

