

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083531.D
 Acq On : 6 Dec 2015 19:54
 Operator : UM/IZ
 Sample : G4614-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S17-15.5

Manual Integrations
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 12/7/2015 6:33:18 PM

Quant Time: Dec 07 06:11:33 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	196485	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	771916	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	395182	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	730236	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	635204	20.00	ng	-0.03
86) Perylene-d12	18.65	264	469075	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1698546	131.15	ng	-0.01
7) Phenol-d6	5.30	99	2285811	128.10	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1545704	93.60	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	486142	133.36	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2186990	75.06	ng	-0.05
78) Terphenyl-d14	15.46	244	1955172	68.49	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.06	163	857396	27.57	ng	99
70) Phenanthrene	12.85	178	186755	4.39	ng	99
74) Fluoranthene	14.79	202	383861	9.11	ng	99
77) Pyrene	15.14	202	358841	7.55	ng	96
80) Benzo(a)anthracene	17.00	228	158560	4.27	ng	98
82) Chrysene	17.06	228	142049	3.84	ng	96
87) Benzo(b)fluoranthene	18.28	252	120286m	4.57	ng	
88) Benzo(k)fluoranthene	18.29	252	55502m	2.06	ng	
89) Benzo(a)pyrene	18.60	252	92183	3.60	ng	97

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

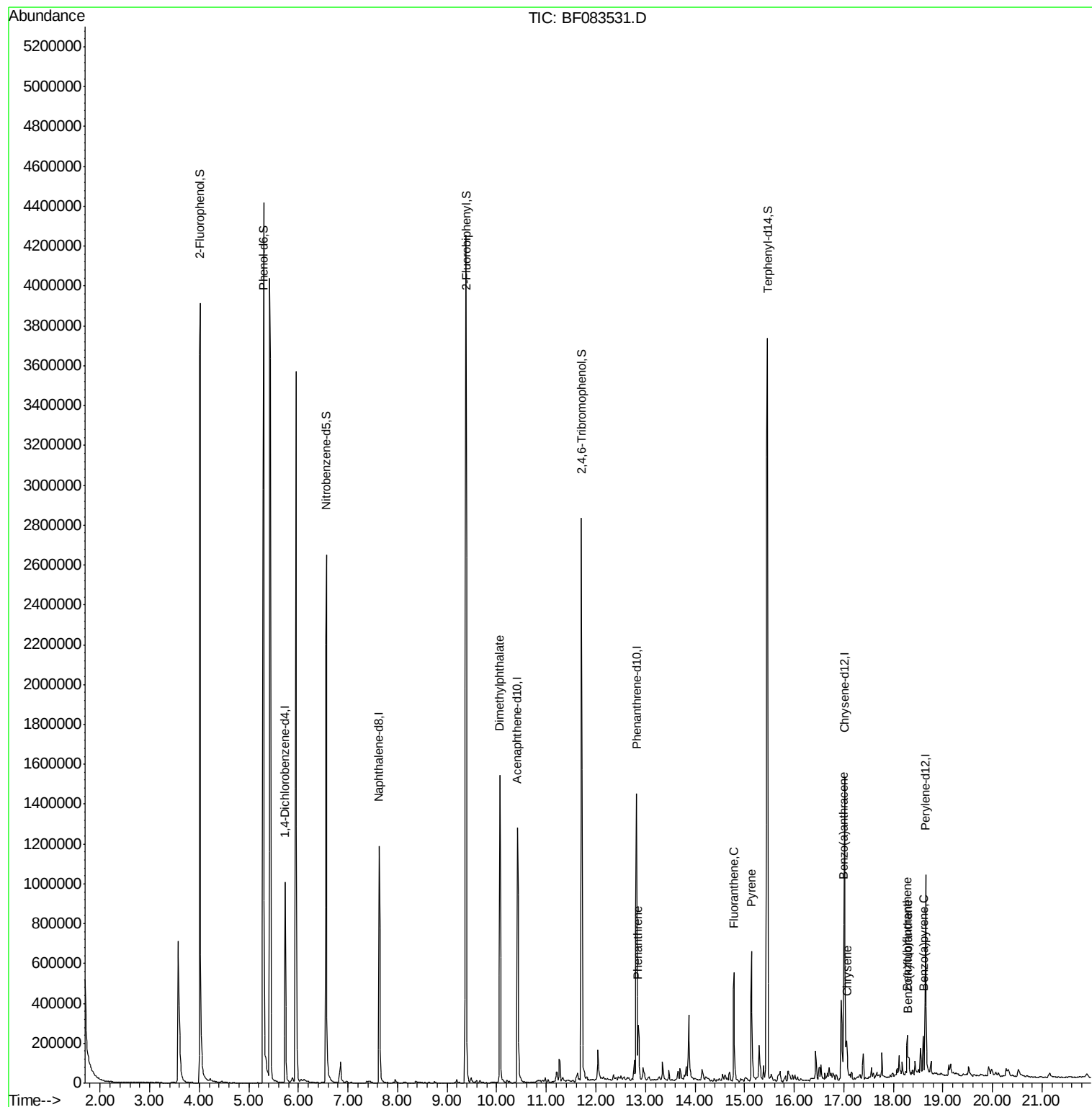
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083531.D
Acq On : 6 Dec 2015 19:54
Operator : UM/IZ
Sample : G4614-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

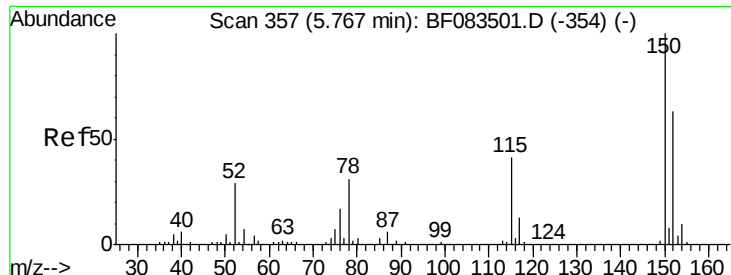
Instrument :
BNA_F
ClientSampleId :
S17-15.5

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Quant Time: Dec 07 06:11:33 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

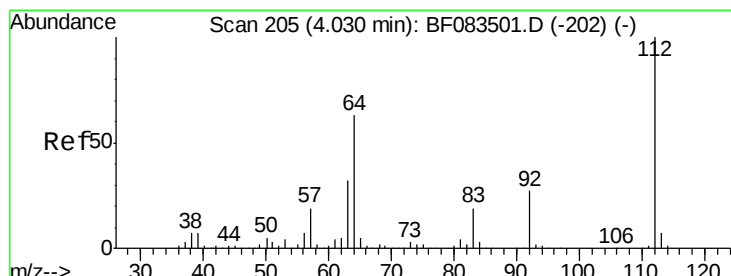
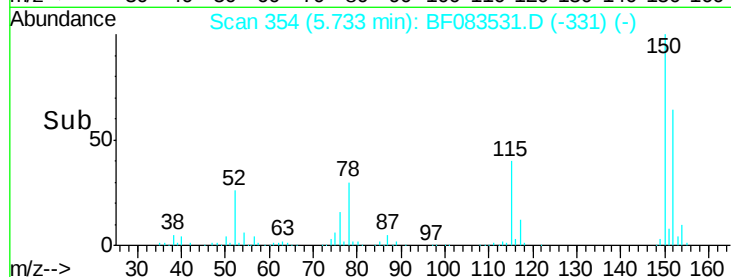
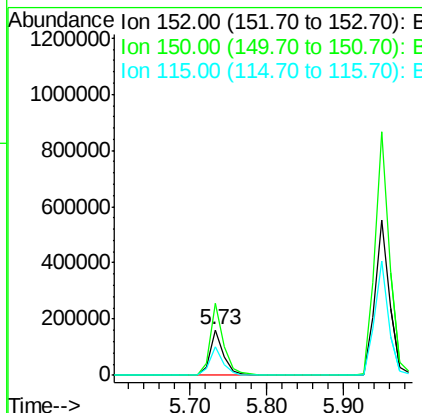
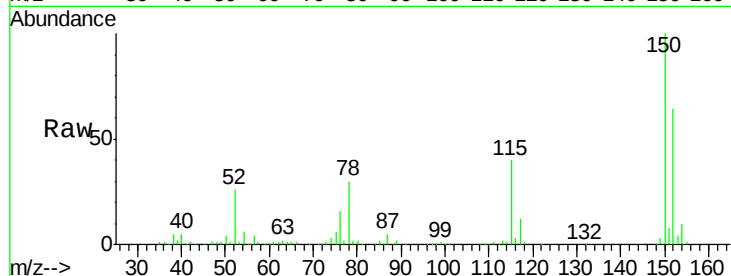
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S17-15.5

Tot Ion	Ratio	Resp	Lower	Upper
152	100	196485		
150	156.5	126.5	189.7	
115	63.4	52.3	78.5	

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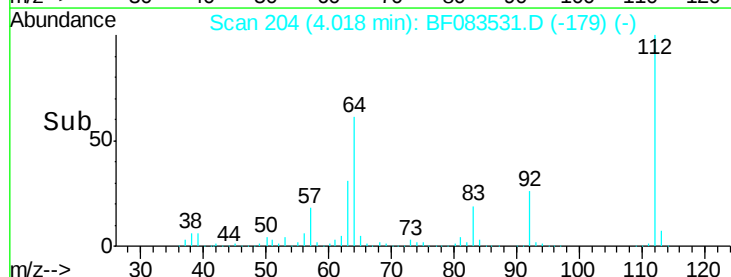
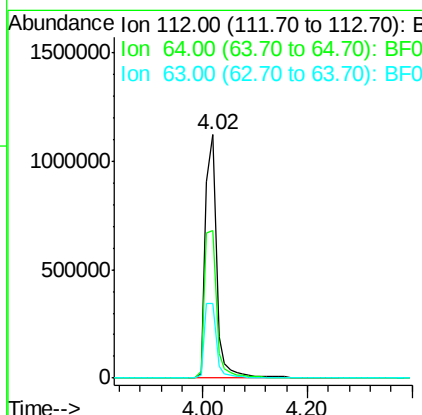
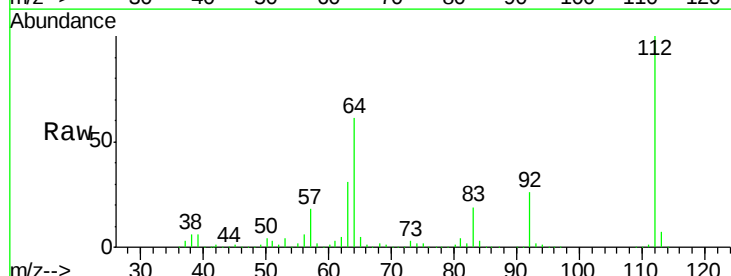
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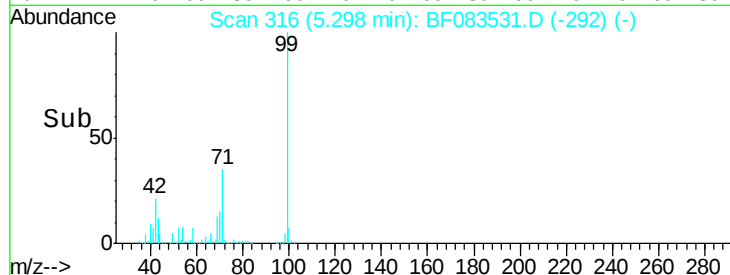
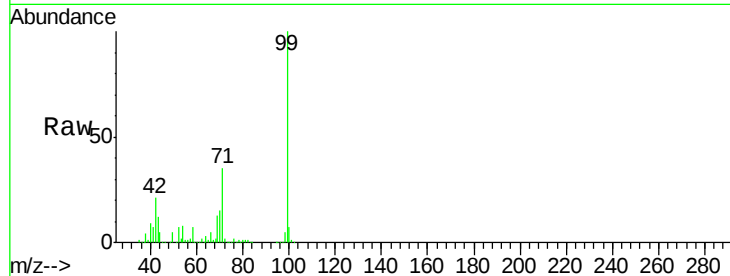


#5

2-Fluorophenol
Concen: 131.15 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1698546		
64	60.8	50.5	75.7	
63	30.6	25.8	38.6	





#7

Phenol-d6

Concen: 128.10 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Tot Ion: 99 Resp: 2285811

Ion Ratio Lower Upper

99 100

42 21.4 17.3 25.9

71 34.6 26.6 40.0

Instrument :

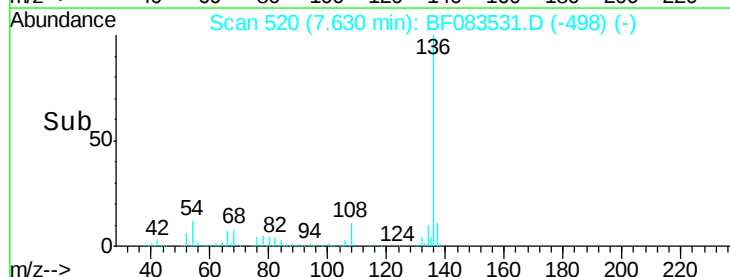
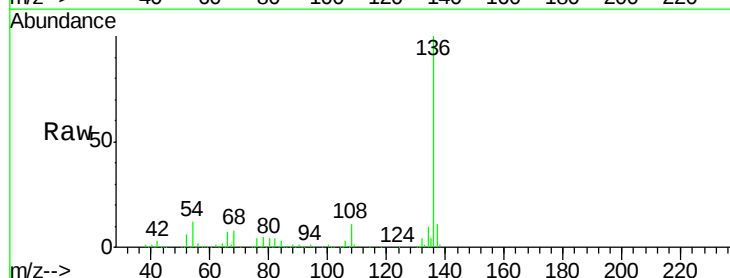
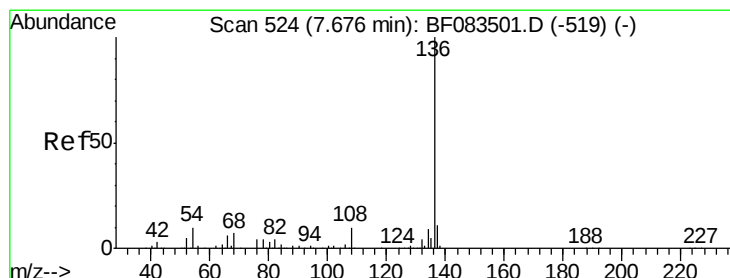
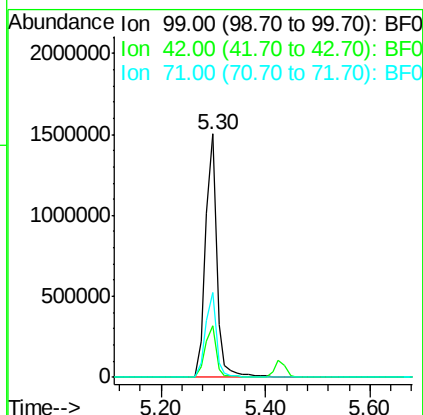
BNA_F

ClientSampleId :

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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: BF083531.D

Acq: 6 Dec 2015 19:54

Tgt Ion: 136 Resp: 771916

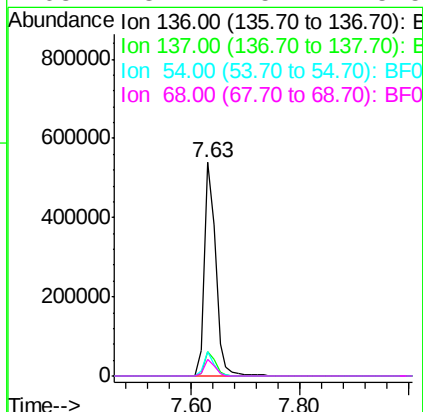
Ion Ratio Lower Upper

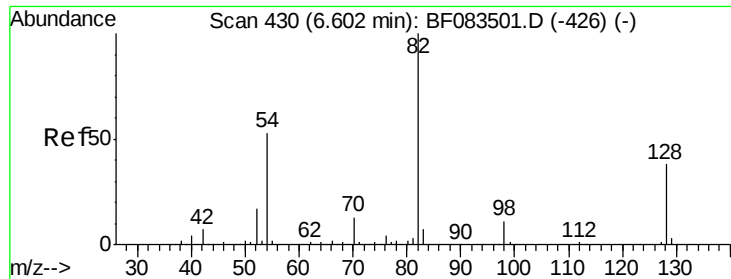
136 100

137 11.3 8.7 13.1

54 11.6 7.8 11.6

68 8.1 5.7 8.5





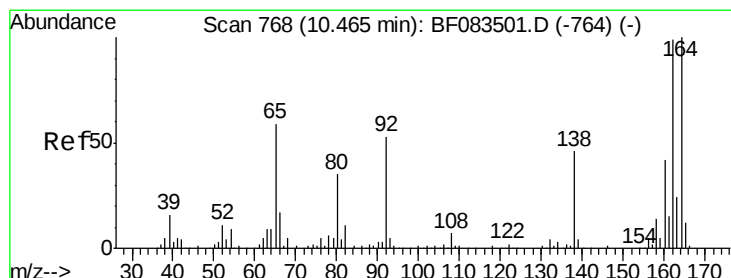
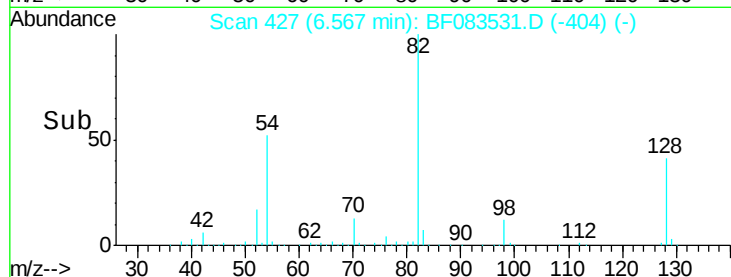
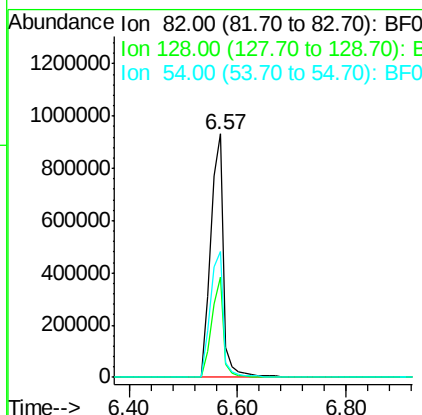
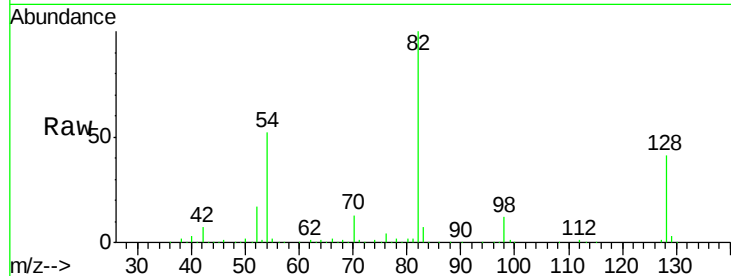
#23
Nitrobenzene-d5
Concen: 93.60 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S17-15.5

Tot Ion	82	Resp	1545704
Ion	Ratio	Lower	Upper
82	100		
128	41.3	30.7	46.1
54	51.6	42.5	63.7

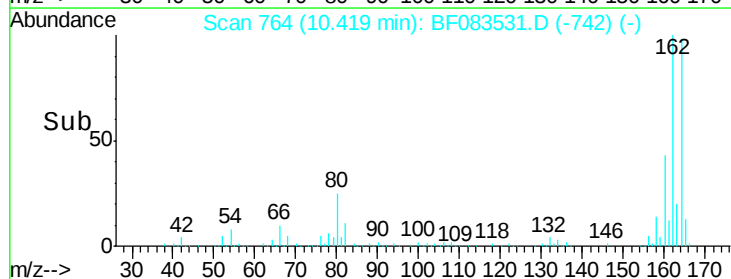
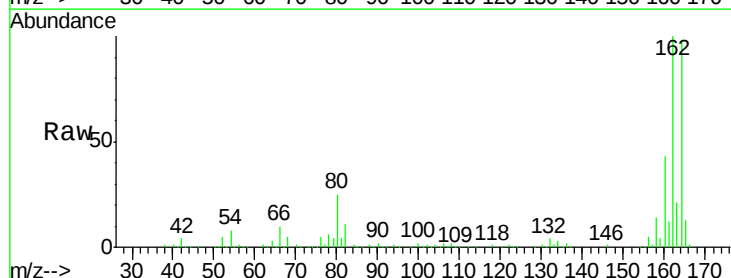
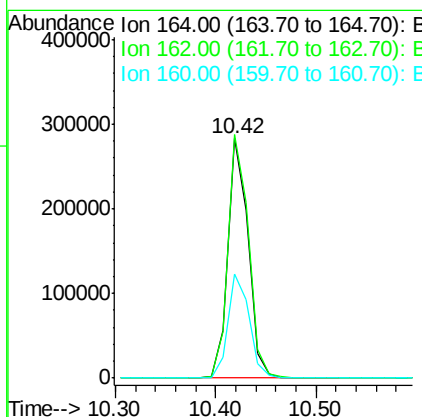
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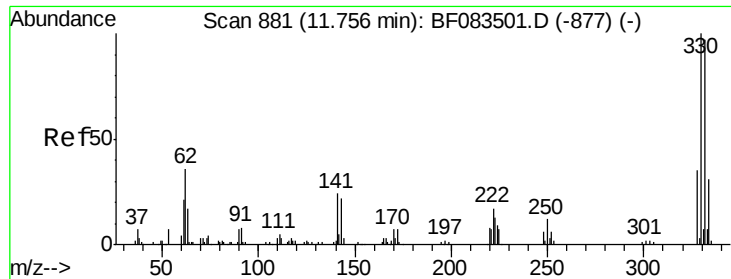
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion	164	Resp	395182
Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	43.6	33.4	50.2





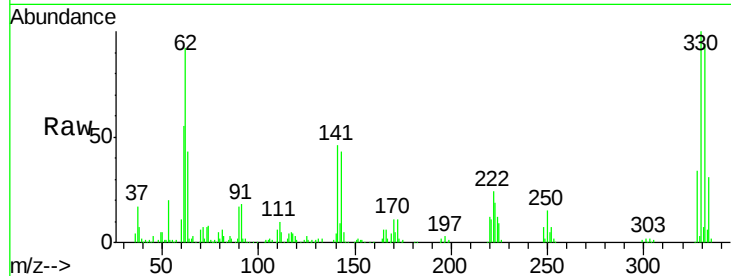
#41
 2,4,6-Tribromophenol
 Concen: 133.36 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Instrument :
 BNA_F
 ClientSampled :
 S17-15.5

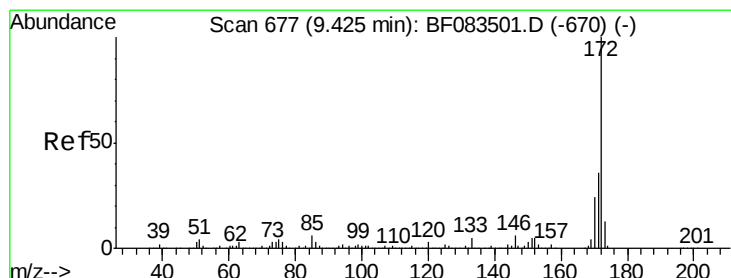
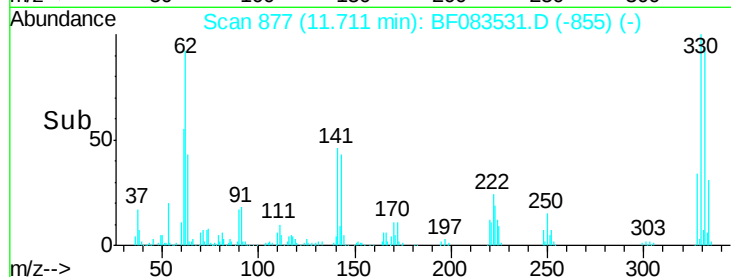
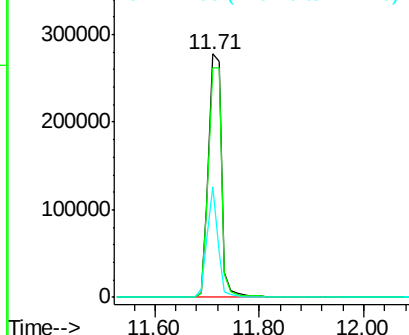
Tot Ion	Ratio	Resp	Lower	Upper
330	100	486142		
332	95.7	0.0	0.0	0.0
141	37.4	0.0	0.0	0.0

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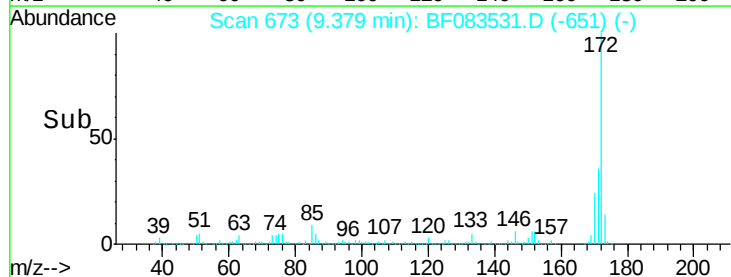
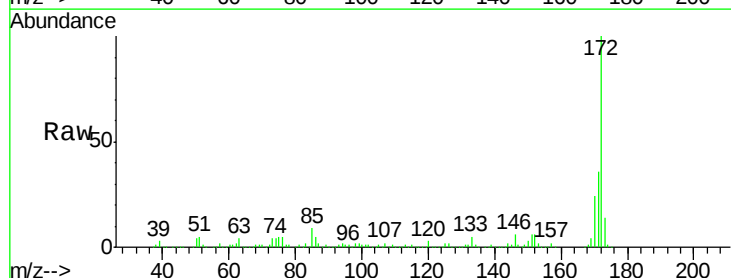
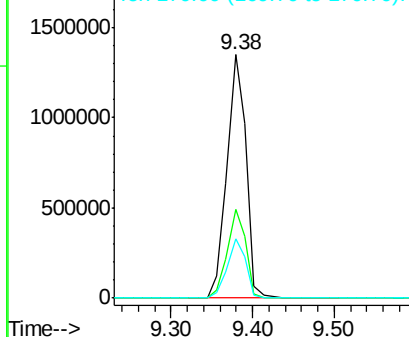
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

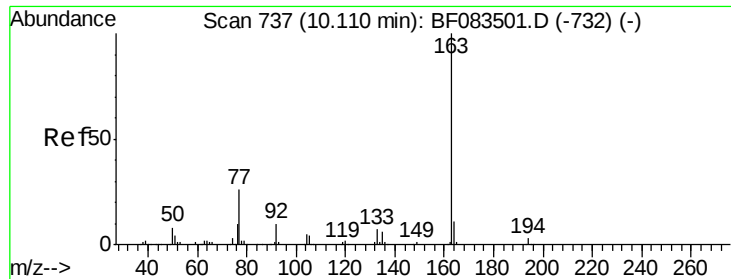


#44
 2-Fluorobiphenyl
 Concen: 75.06 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2186990		
171	36.4	28.6	42.8	
170	24.3	19.4	29.0	

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





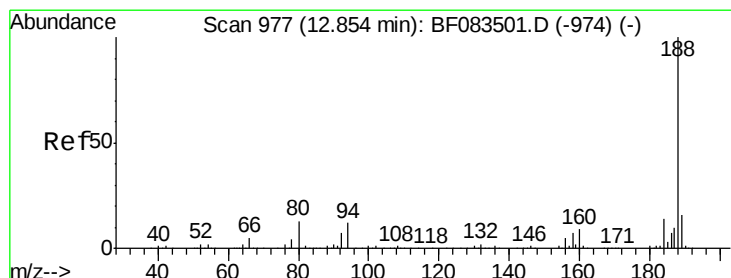
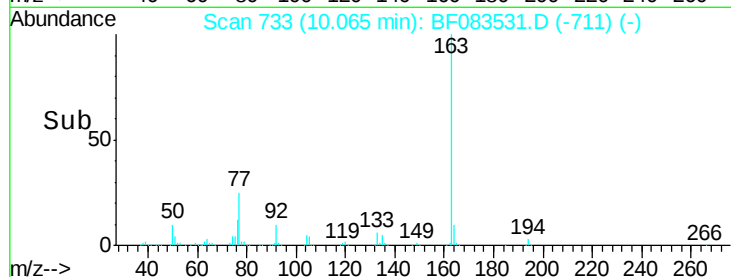
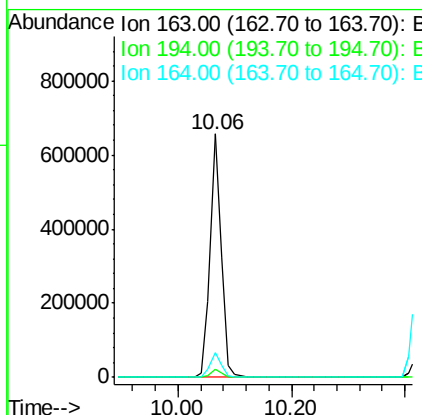
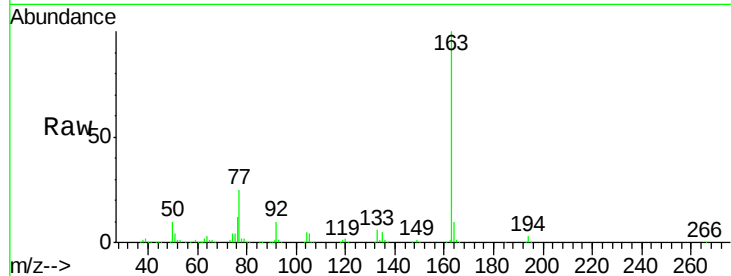
#49
Dimethylphthalate
Concen: 27.57 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S17-15.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	857396		
194	3.2		2.8	4.2
164	10.4		8.6	13.0

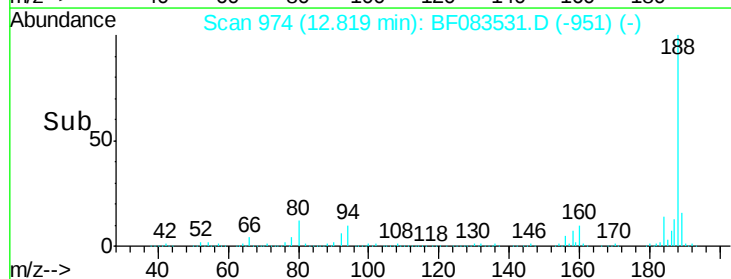
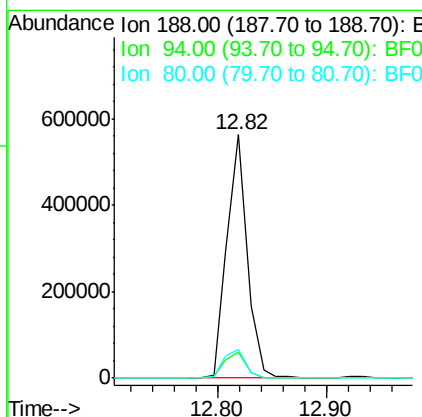
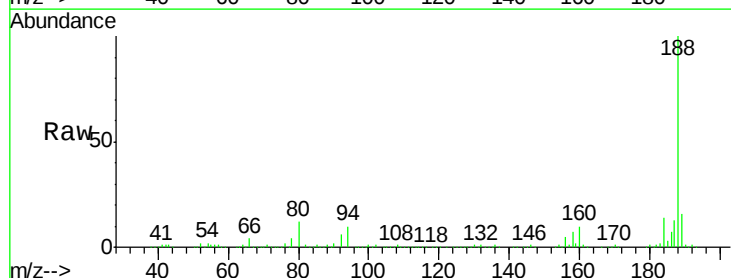
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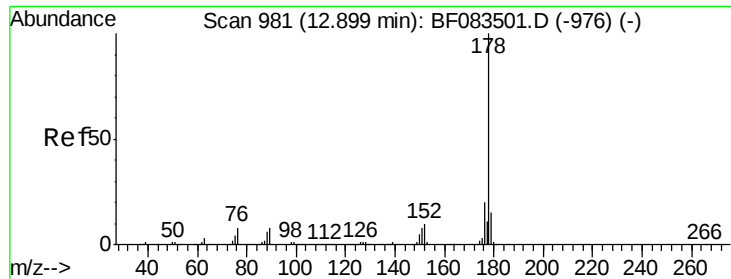
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	730236		
94	10.5		9.4	14.2
80	11.6		10.6	16.0





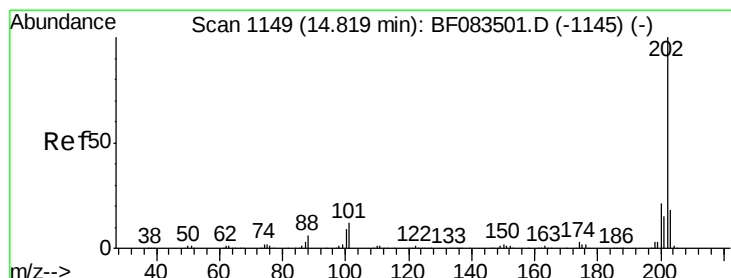
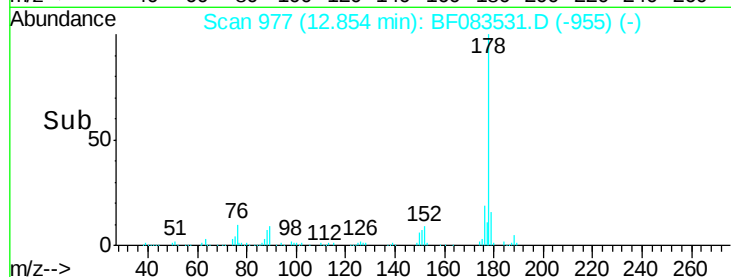
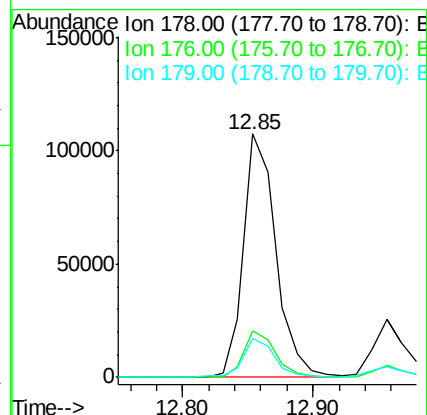
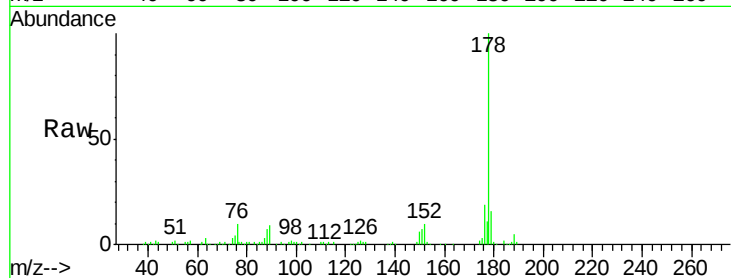
#70
Phenanthrene
Concen: 4.39 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S17-15.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.8	12.2	18.4

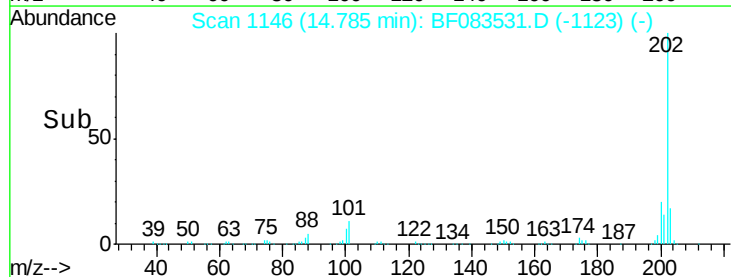
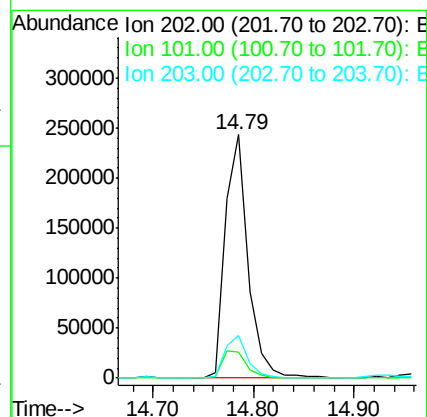
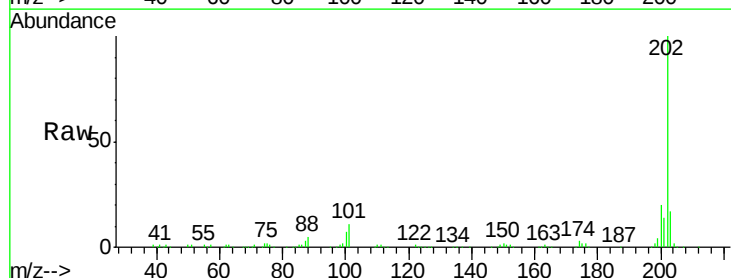
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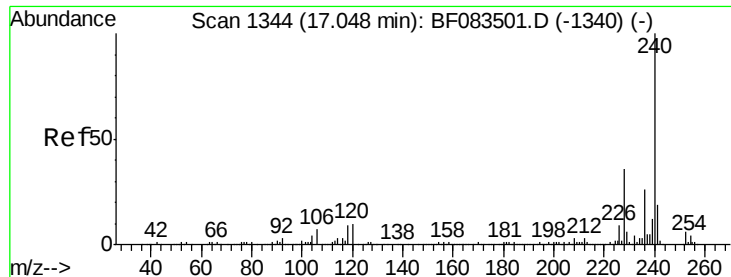
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#74
Fluoranthene
Concen: 9.11 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083531.D
Acq: 6 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.5
203	17.4	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: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_F

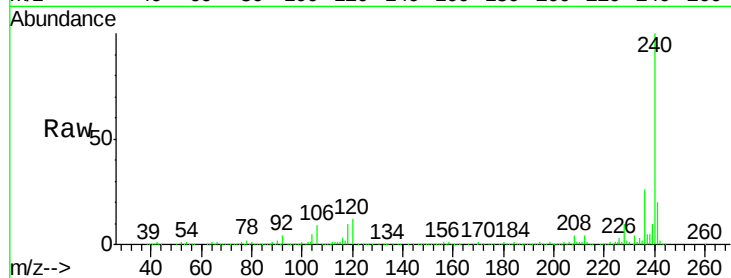
ClientSampleId :

S17-15.5

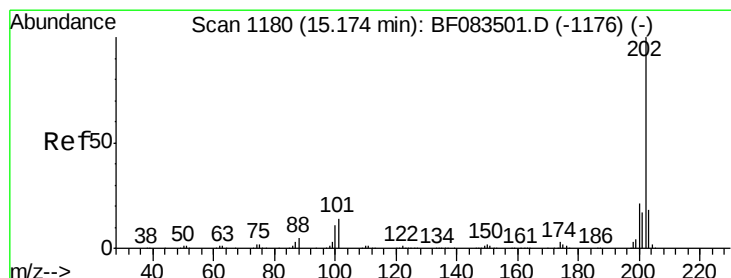
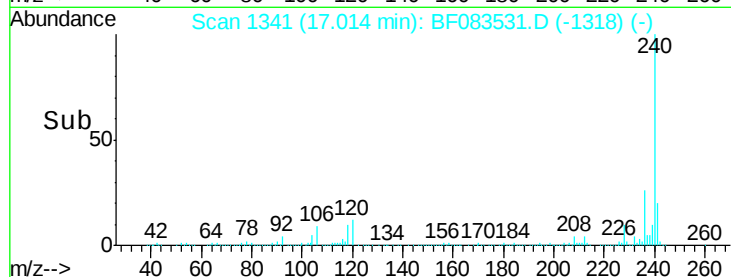
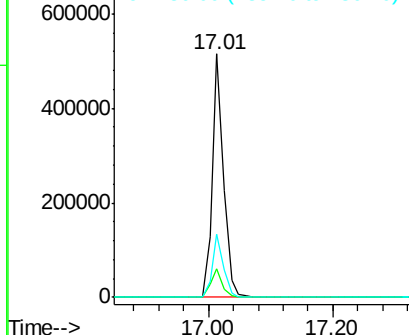
Tot Ion:	240	Resp:	635204
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.1	12.1
236	25.9	20.8	31.2

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: 7.55 ng

RT: 15.14 min Scan# 1177

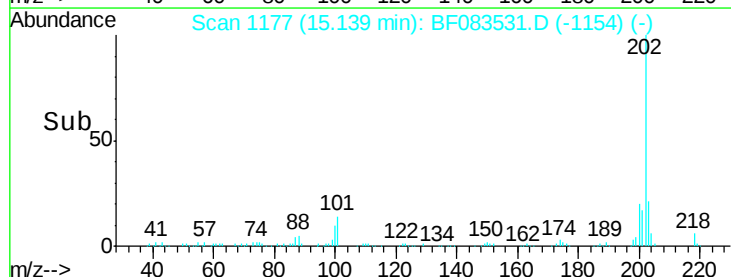
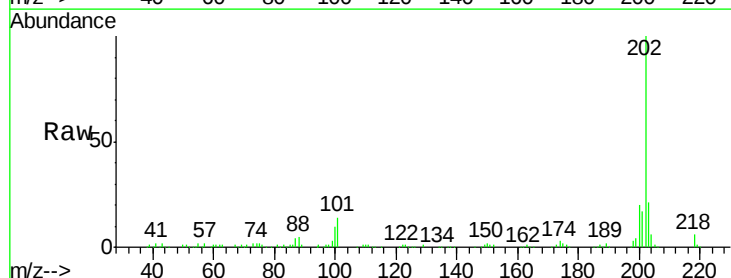
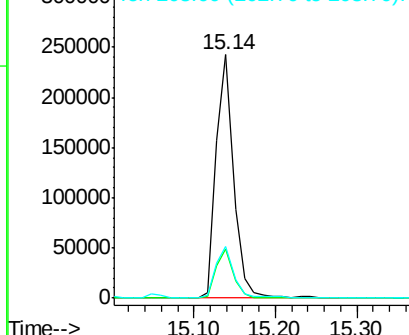
Delta R.T. -0.03 min

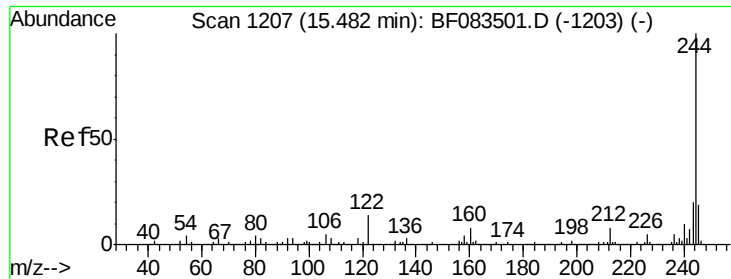
Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Tgt Ion:	202	Resp:	358841
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.7	25.1
203	21.2	14.3	21.5

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





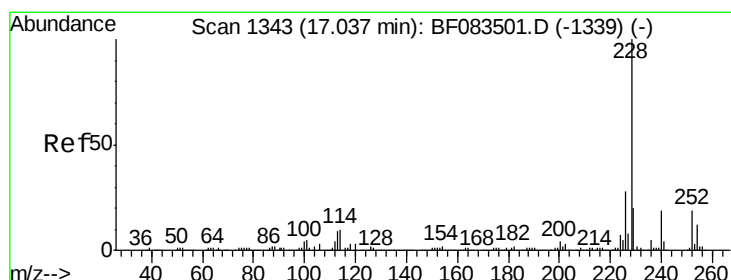
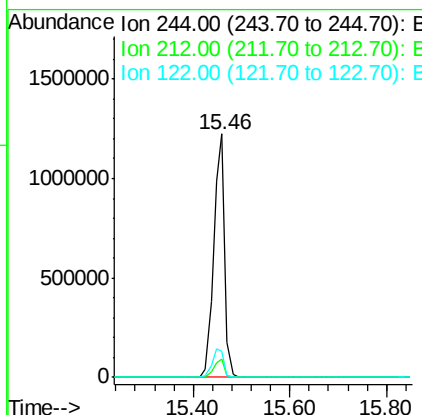
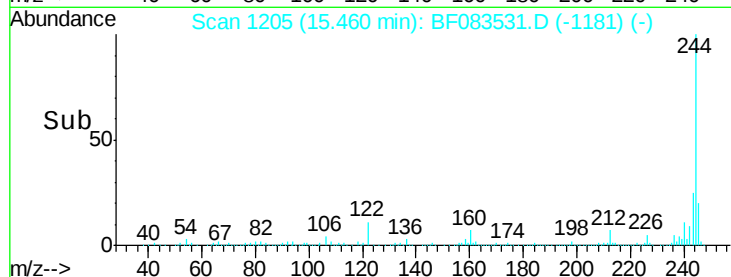
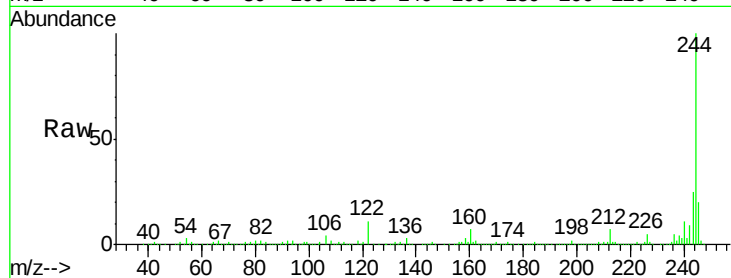
#78
 Terphenyl-d14
 Concen: 68.49 ng
 RT: 15.46 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Instrument :
 BNA_F
 ClientSampleId :
 S17-15.5

Tot Ion:244 Resp: 1955172
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 10.9 11.0 16.6#

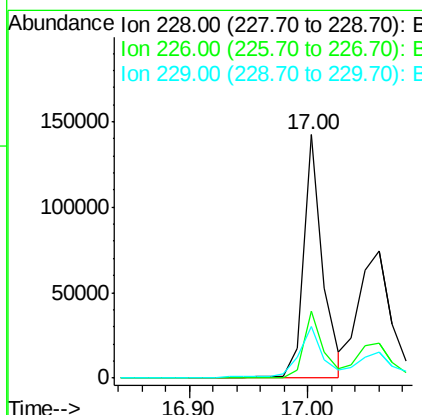
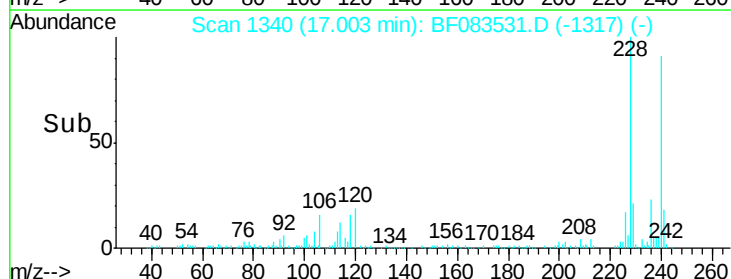
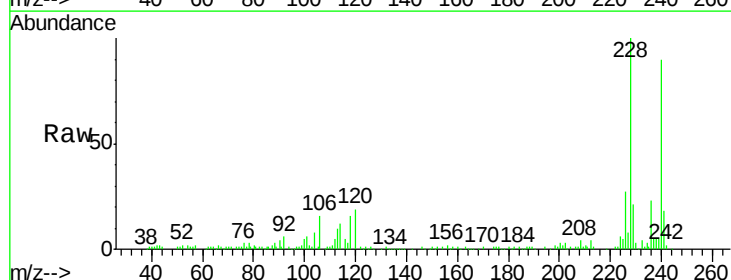
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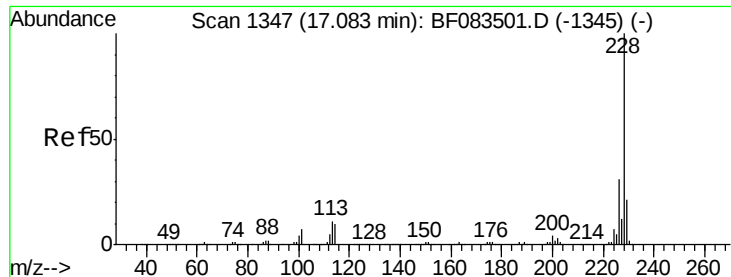
Mmdadoda
 12/7/2015 6:33:18 PM



#80
 Benzo(a)anthracene
 Concen: 4.27 ng
 RT: 17.00 min Scan# 1340
 Delta R.T. -0.03 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Tgt Ion:228 Resp: 158560
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.3 33.5
 229 21.4 15.7 23.5





#82

Chrysene

Concen: 3.84 ng

RT: 17.06 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_F

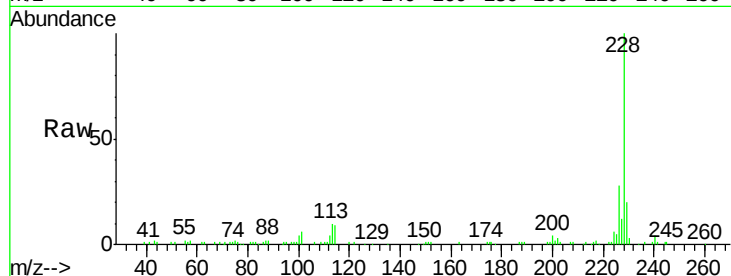
ClientSampleId :

S17-15.5

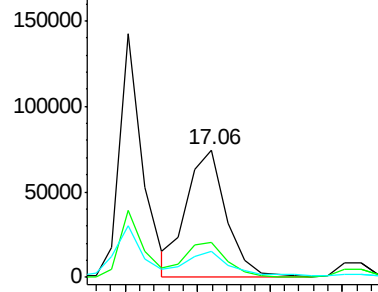
Tot Ion:	228	Resp:	142049
Ion Ratio		Lower	Upper
228	100		
226	27.6	24.7	37.1
229	20.4	16.3	24.5

Manual Integrations
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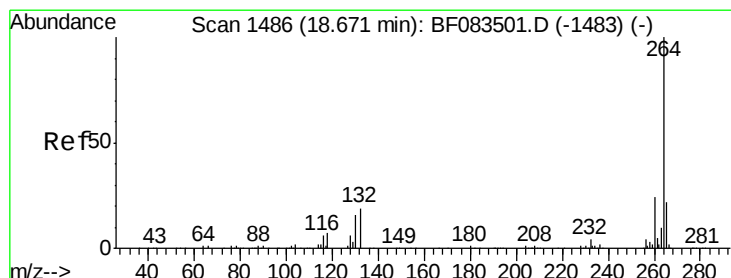
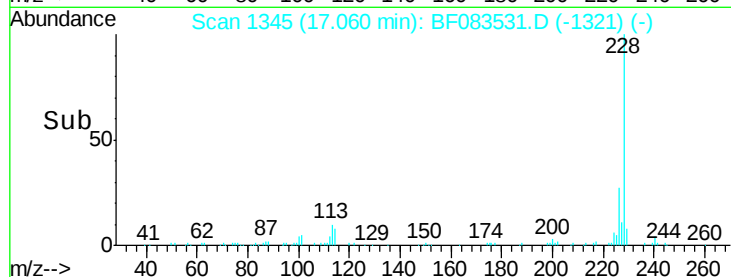
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

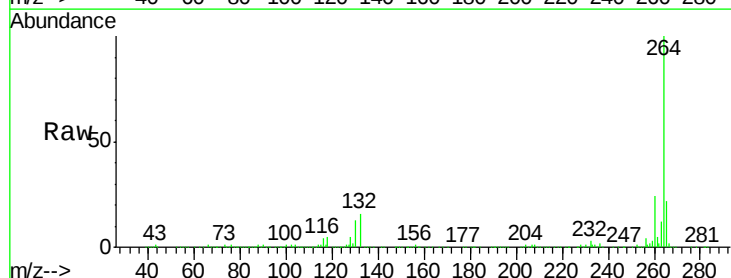
RT: 18.65 min Scan# 1484

Delta R.T. -0.02 min

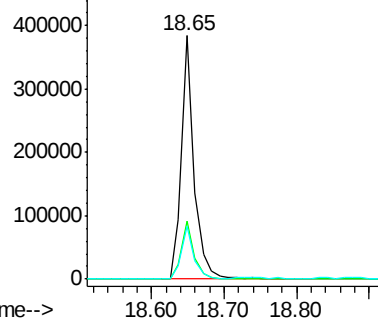
Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

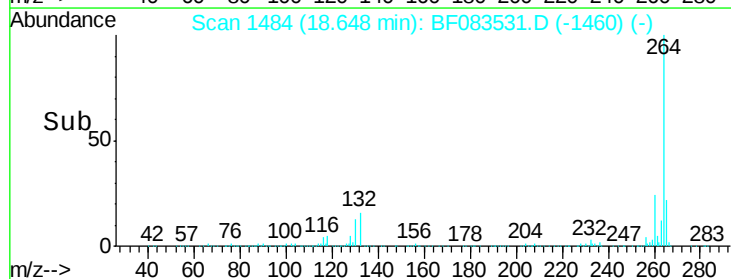
Tgt Ion:	264	Resp:	469075
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.4	29.0
265	21.9	17.8	26.6

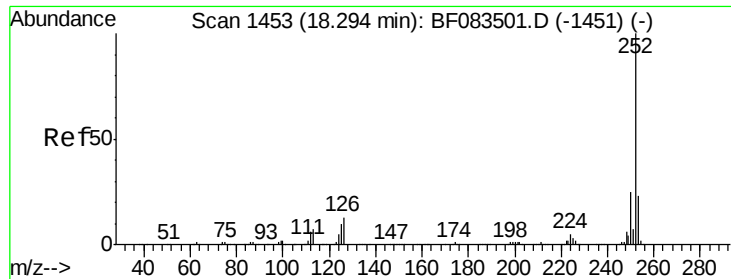


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 4.57 ng m

RT: 18.28 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Instrument :

BNA_F

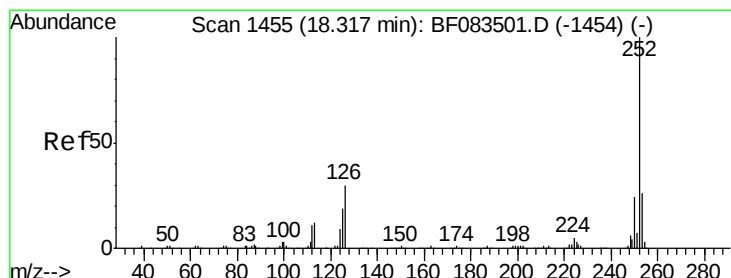
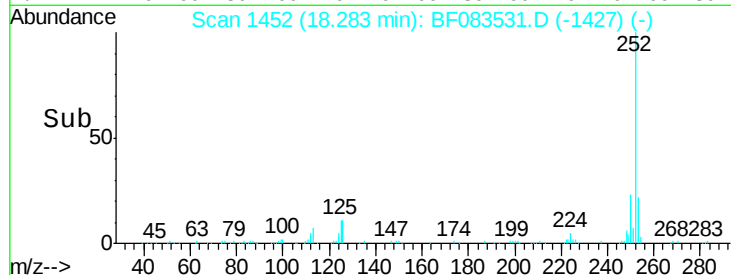
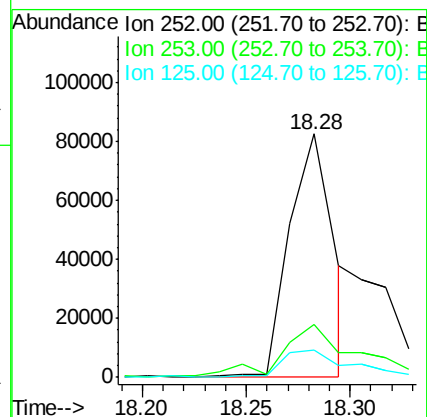
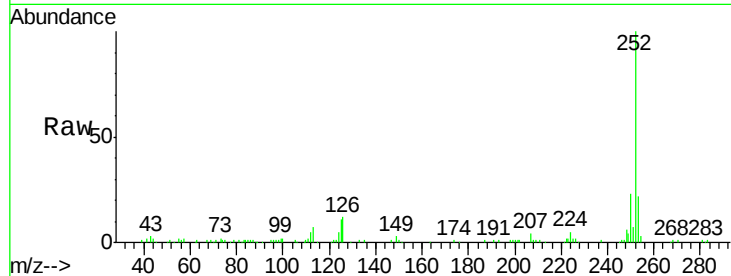
ClientSampleId :

S17-15.5

Tot Ion:	252	Resp:	120286
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.2	27.4
125	11.0	8.2	12.4

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#88

Benzo(k)fluoranthene

Concen: 2.06 ng m

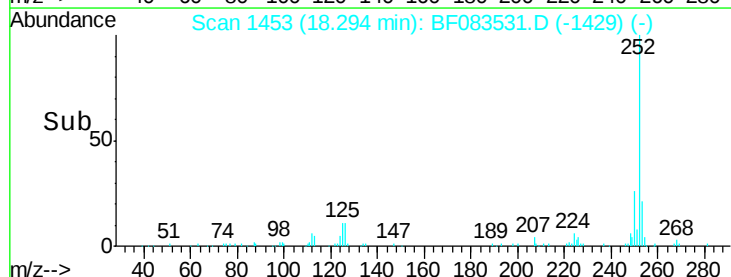
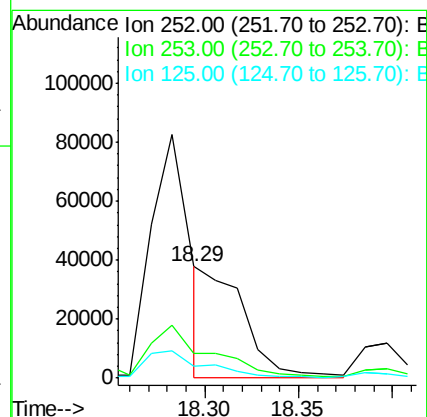
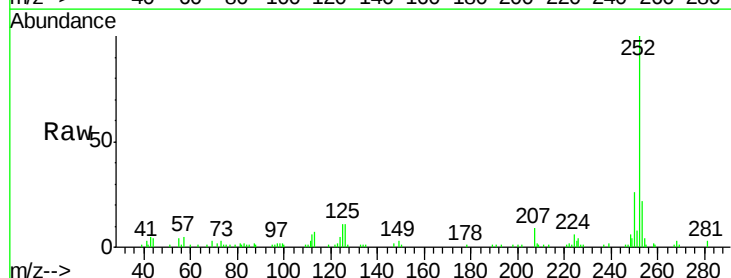
RT: 18.29 min Scan# 1453

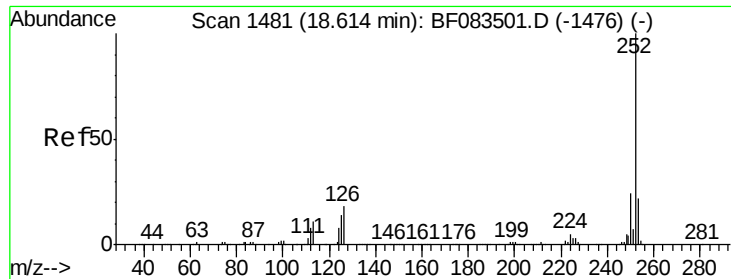
Delta R.T. -0.02 min

Lab File: BF083531.D

Acq: 6 Dec 2015 19:54

Tgt Ion:	252	Resp:	55502
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.6	27.8
125	10.7	11.5	17.3#





#89
 Benzo(a)pyrene
 Concen: 3.60 ng
 RT: 18.60 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF083531.D
 Acq: 6 Dec 2015 19:54

Instrument :
 BNA_F
 ClientSampleId :
 S17-15.5

Tot Ion:	252	Resp:	92183
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.6	11.0	16.6

Manual Integrations
 APPROVED

Mmdadoda
 12/7/2015 6:33:18 PM

