

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083223.D
 Acq On : 24 Nov 2015 00:34
 Operator : UM/IZ
 Sample : G4496-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Manual Integrations
 APPROVED

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 11/24/2015 1:20:10 PM

Quant Time: Nov 24 06:45:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	210386	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	774019	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	349117	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	507385	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	410266	20.00	ng	-0.02
86) Perylene-d12	15.14	264	303766	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1839890	132.22	ng	-0.02
7) Phenol-d6	6.32	99	2392502	132.88	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1368836	80.81	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	298083	83.46	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	2326050	92.91	ng	-0.01
78) Terphenyl-d14	12.74	244	1398093	80.25	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	55374	2.54	ng	94
49) Dimethylphthalate	9.42	163	576276	21.44	ng	# 97
56) 2,4-Dinitrotoluene	9.68	165	46956	6.14	ng	# 10
74) Fluoranthene	12.35	202	96234	3.22	ng	95
77) Pyrene	12.58	202	87948	3.14	ng	98
80) Benzo(a)anthracene	13.77	228	54940	2.17	ng	100
82) Chrysene	13.81	228	52613m	2.24	ng	
87) Benzo(b)fluoranthene	14.78	252	68290m	3.29	ng	
89) Benzo(a)pyrene	15.09	252	38717	2.26	ng	# 88

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

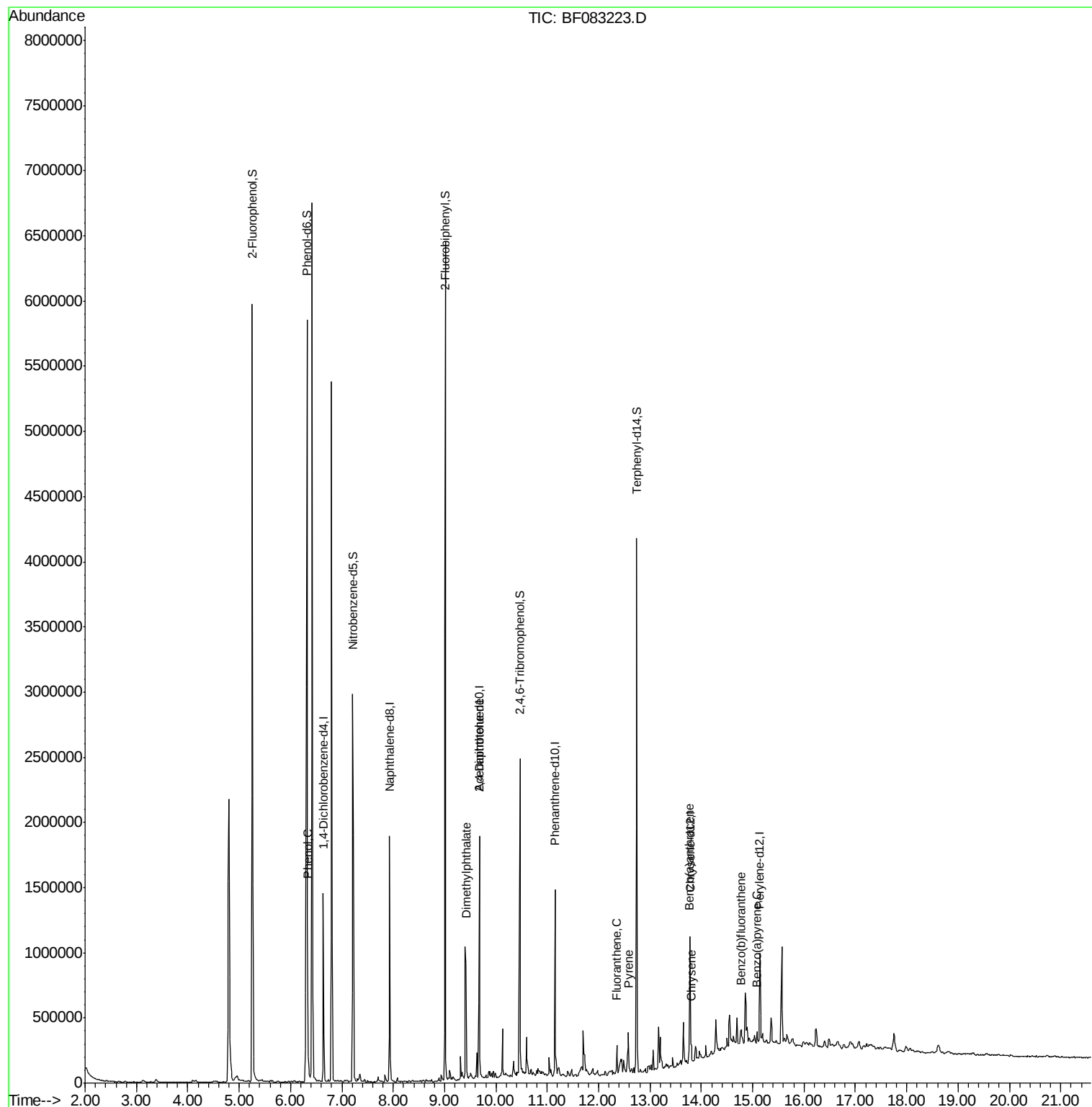
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083223.D
Acq On : 24 Nov 2015 00:34
Operator : UM/IZ
Sample : G4496-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Manual Integrations
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Quant Time: Nov 24 06:45:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

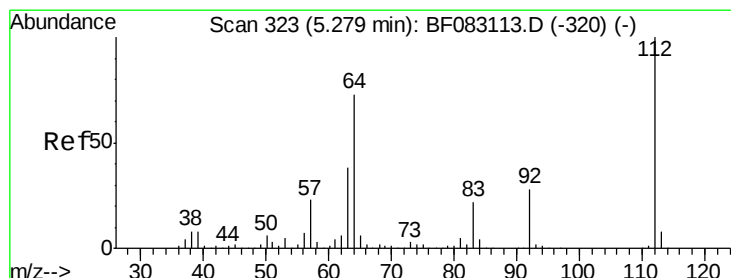
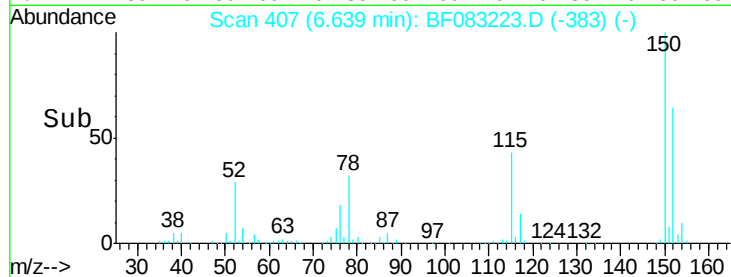
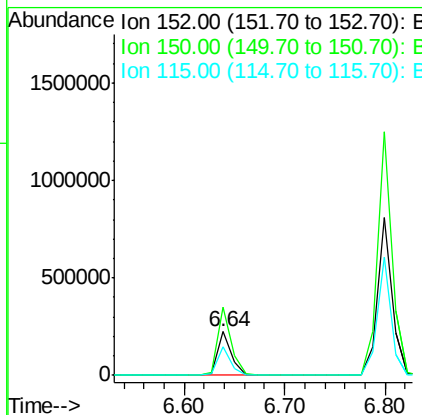
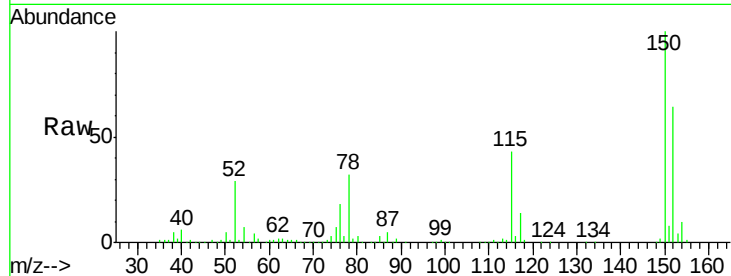
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 407
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.8	188.8
115	67.2	46.9	70.3

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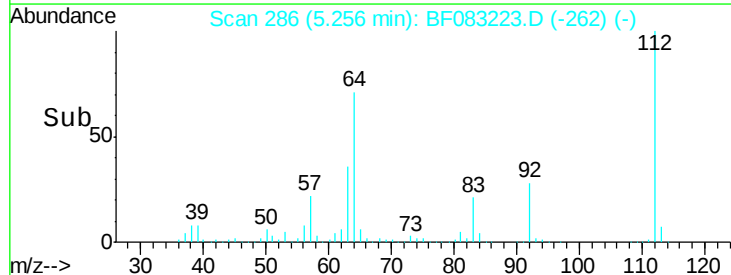
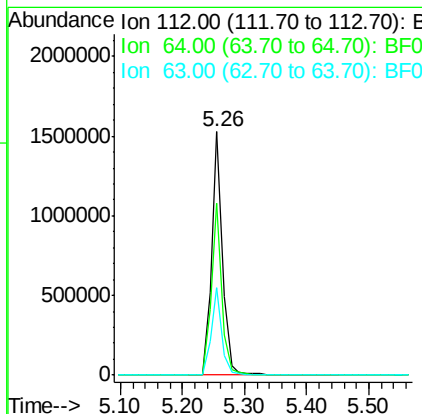
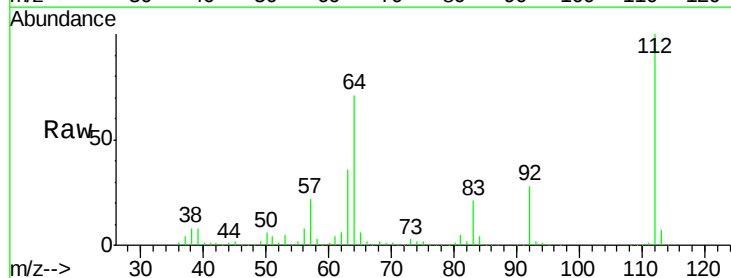
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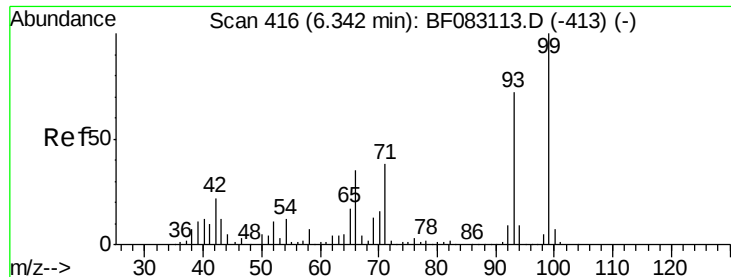


#5

2-Fluorophenol
Concen: 132.22 ng
RT: 5.26 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	58.4	87.6
63	36.1	30.0	45.0





#7

Phenol-d6

Concen: 132.88 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

A17-COMP

Tot Ion: 99 Resp: 2392502

Ion Ratio Lower Upper

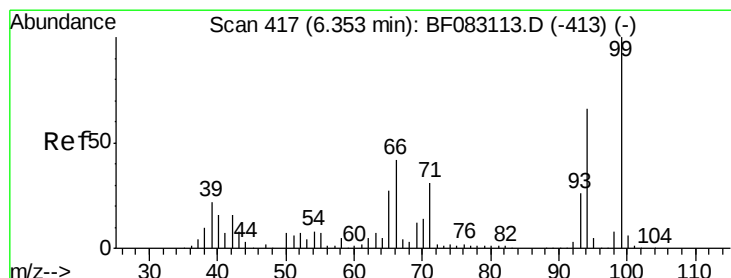
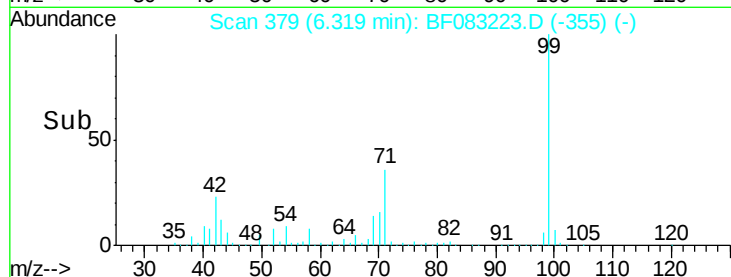
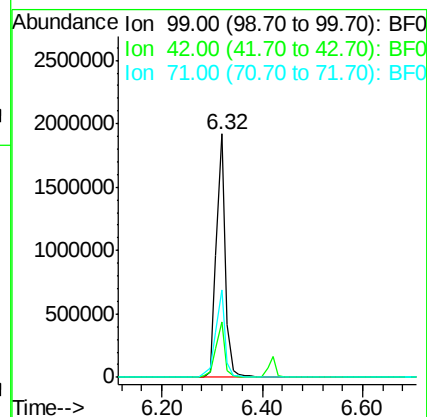
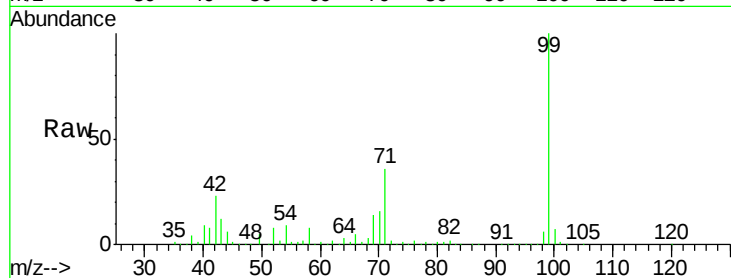
99 100

42 22.6 17.7 26.5

71 36.1 30.2 45.4

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#10

Phenol

Concen: 2.54 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

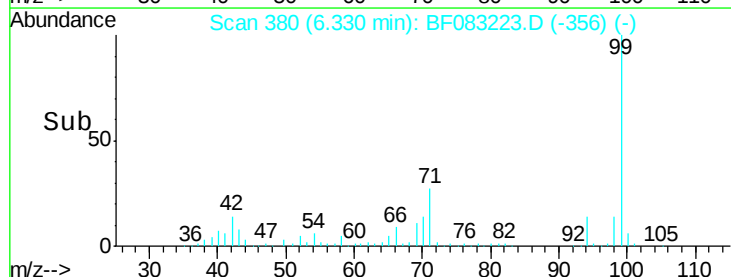
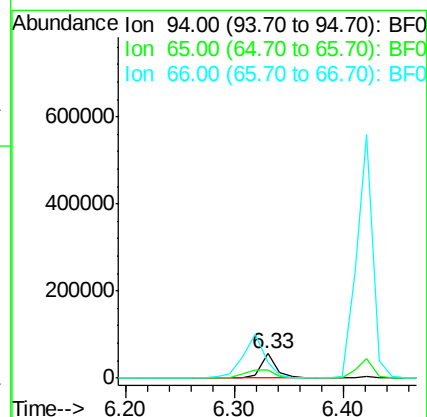
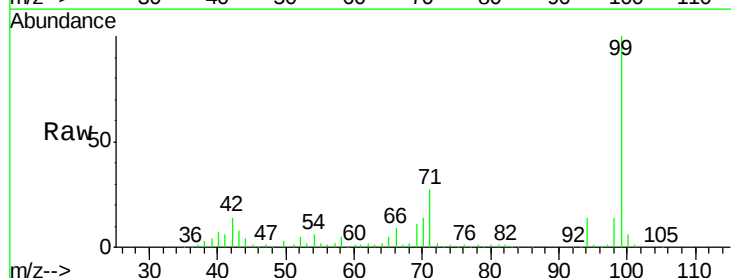
Tgt Ion: 94 Resp: 55374

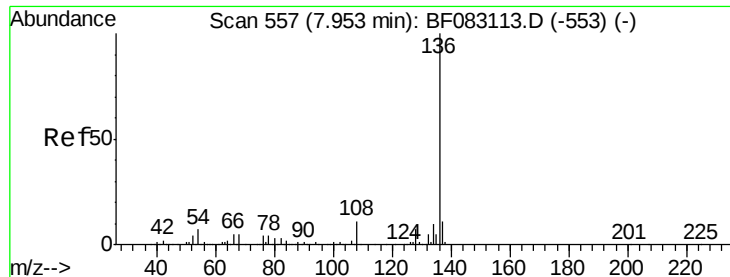
Ion Ratio Lower Upper

94 100

65 34.1 21.1 61.1

66 65.1 43.1 83.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

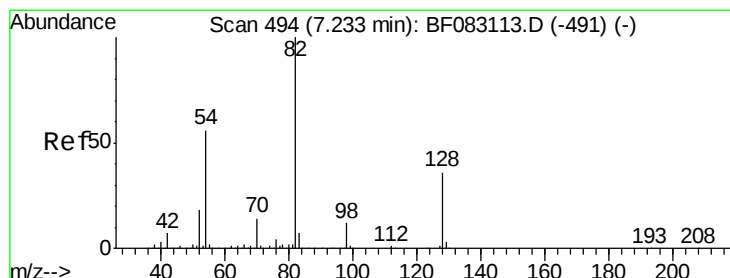
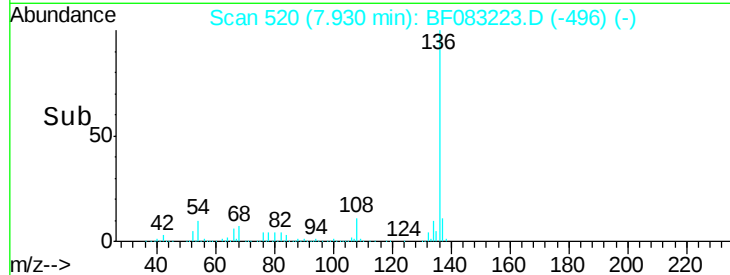
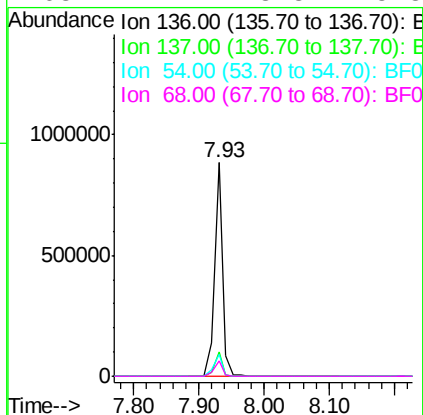
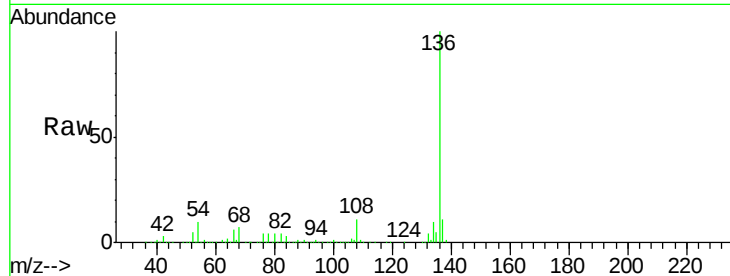
ClientSampleId :

A17-COMP

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.9	5.8	8.6
68	7.2	3.8	5.8

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#23

Nitrobenzene-d5

Concen: 80.81 ng

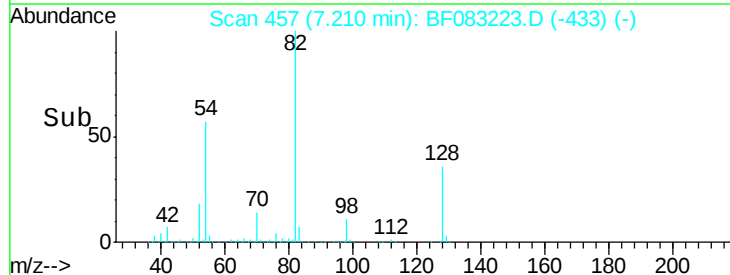
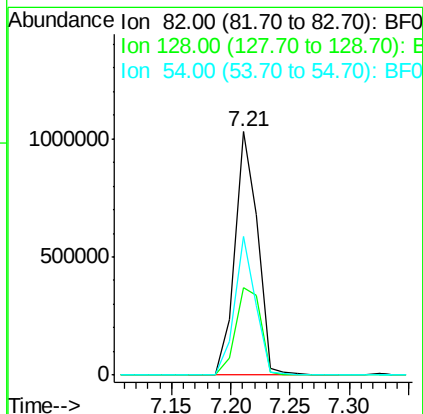
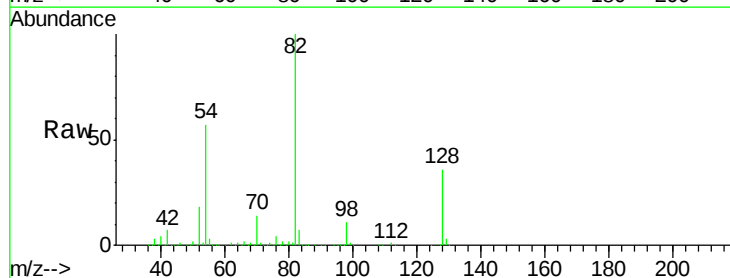
RT: 7.21 min Scan# 457

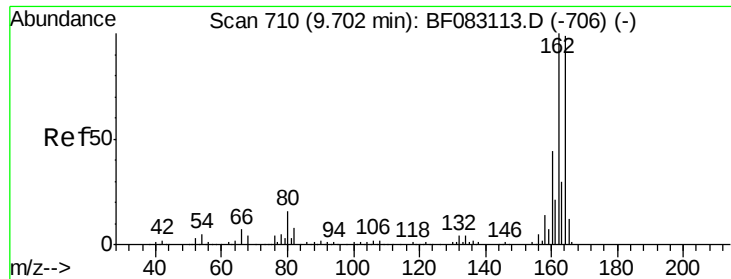
Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.5	42.7
54	56.8	44.6	67.0





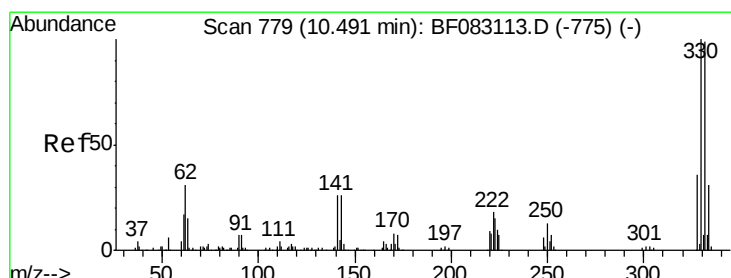
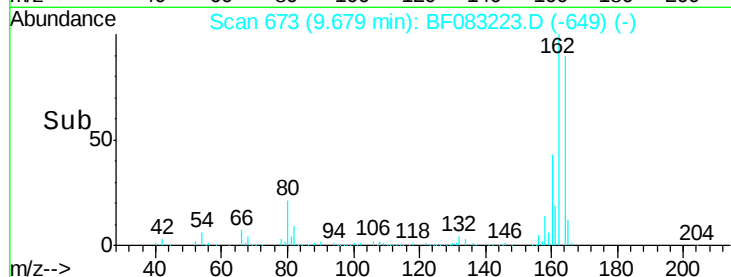
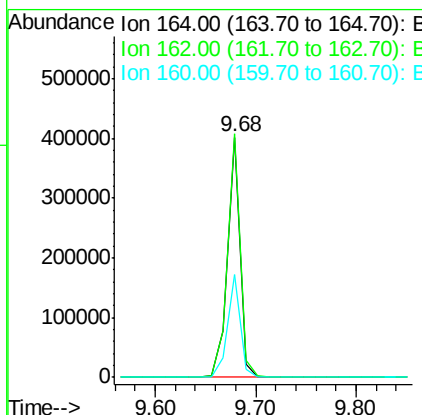
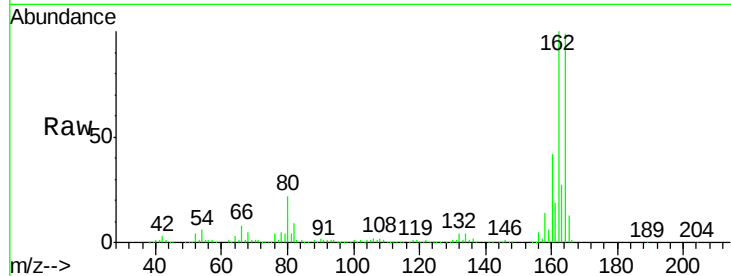
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	349117		
162	101.4	81.2	121.8	
160	43.1	35.6	53.4	

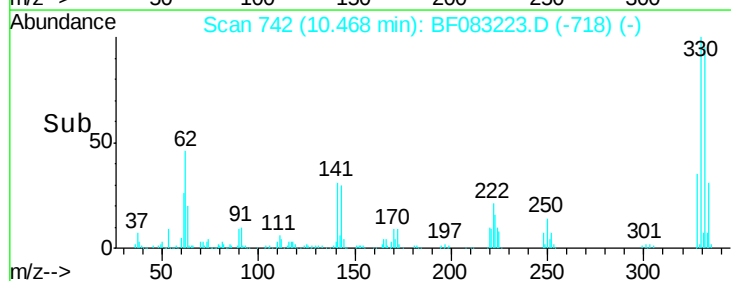
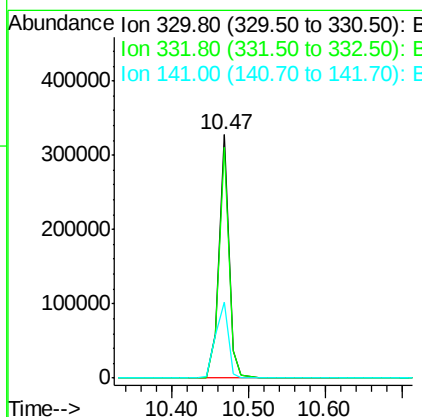
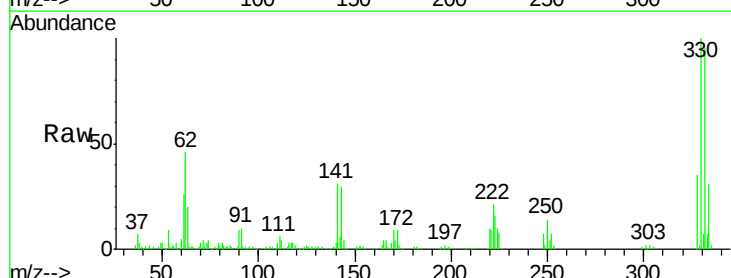
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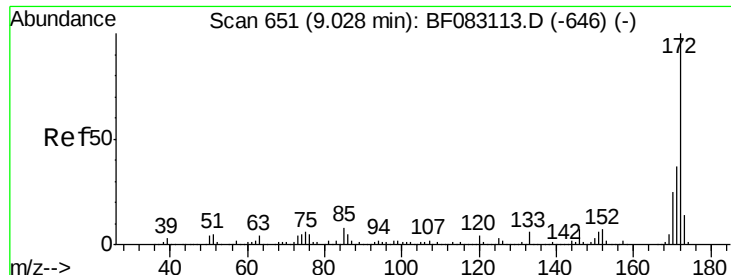
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#41
2,4,6-Tribromophenol
Concen: 83.46 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	298083		
332	95.3	77.7	116.5	
141	39.5	29.7	44.5	





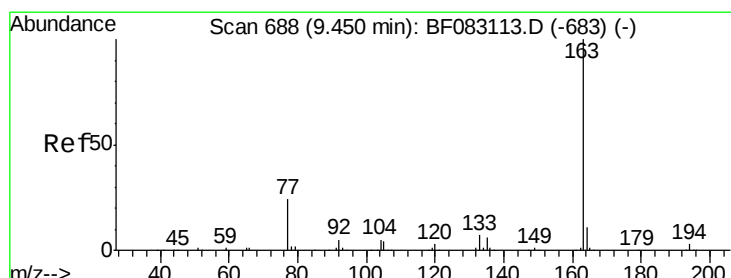
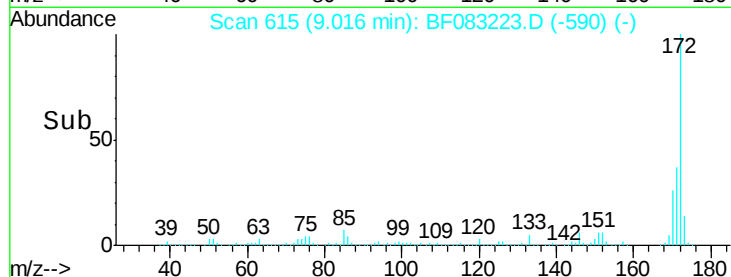
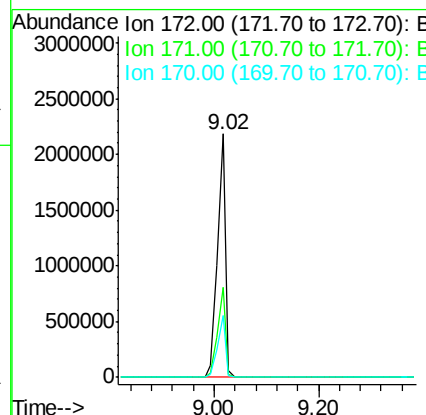
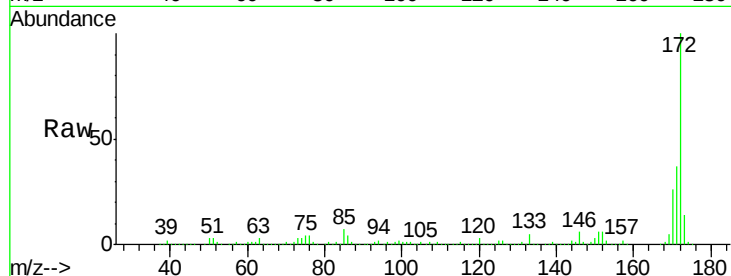
#44
2-Fluorobiphenyl
Concen: 92.91 ng
RT: 9.02 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.9	29.5	44.3	
170	25.6	19.9	29.9	

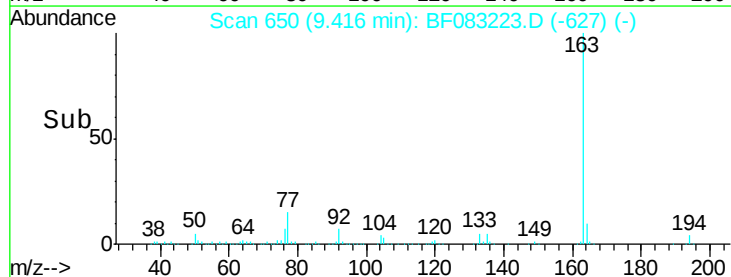
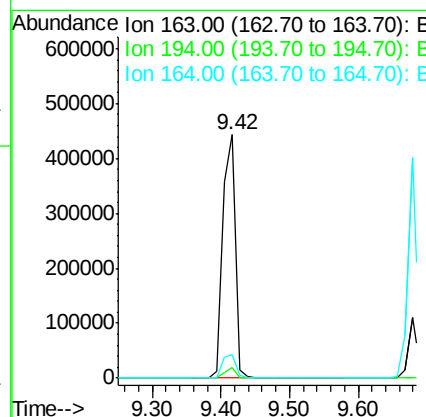
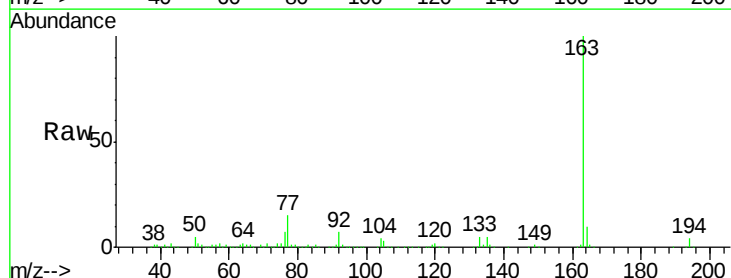
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#49
Dimethylphthalate
Concen: 21.44 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.1	2.6	4.0#	
164	9.6	8.6	12.8	





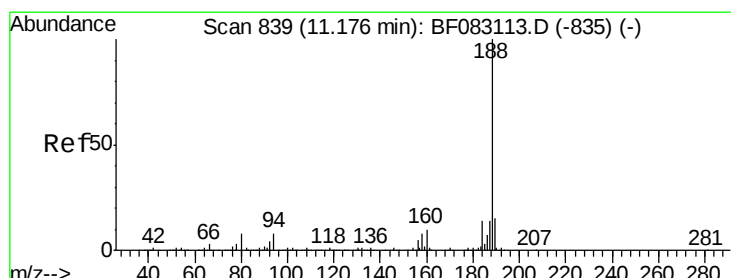
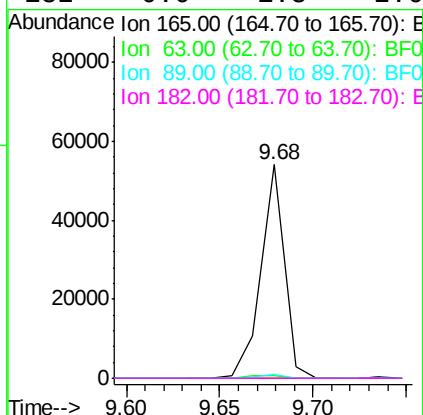
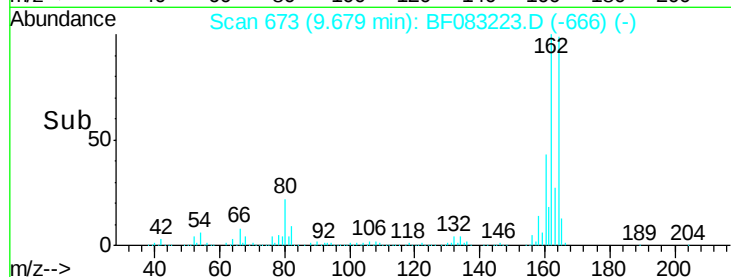
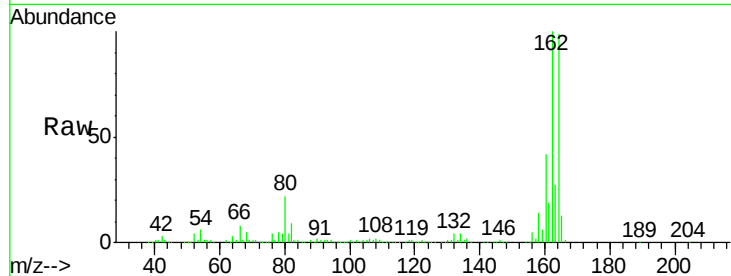
#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.22 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
165	100	46956		
63	1.2	54.5	81.7#	
89	1.6	77.3	115.9#	
182	0.0	1.8	2.6#	

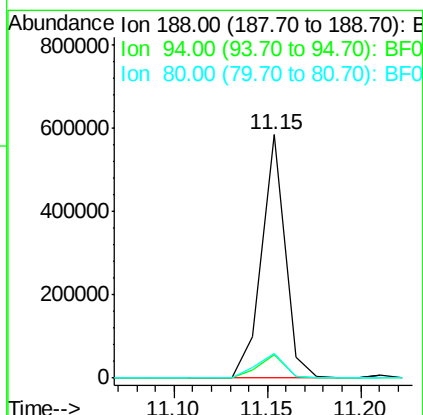
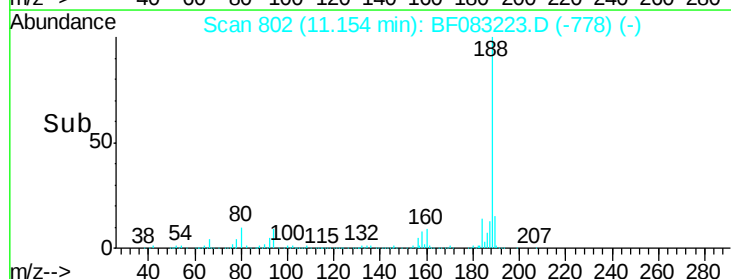
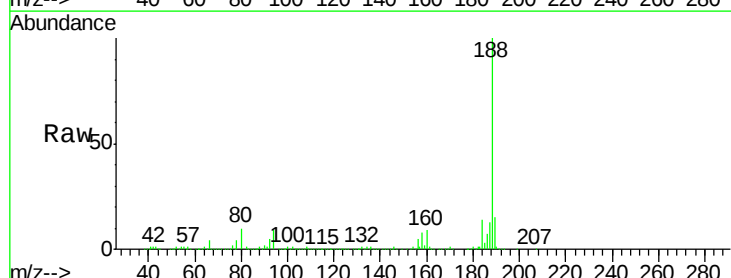
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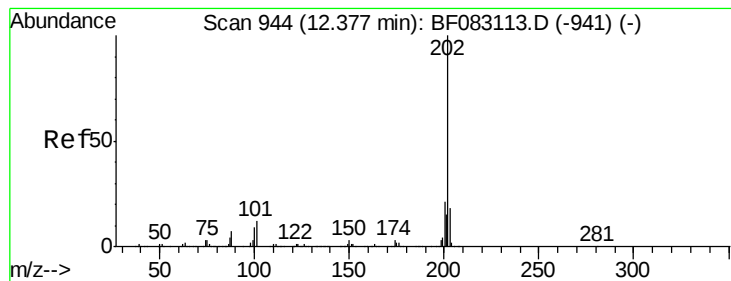
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	507385		
94	9.4	6.0	9.0#	
80	10.3	6.7	10.1#	





#74

Fluoranthene

Concen: 3.22 ng

RT: 12.35 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

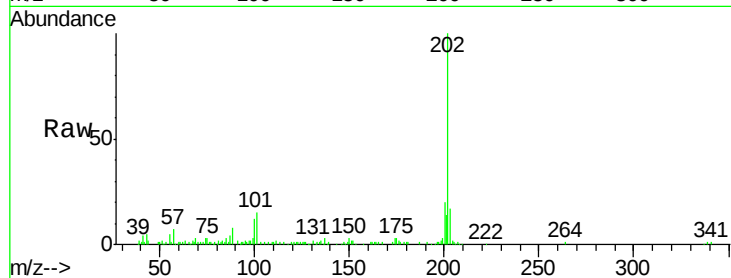
ClientSampleId :

A17-COMP

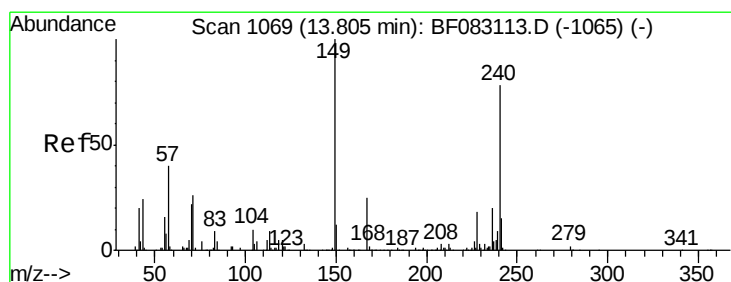
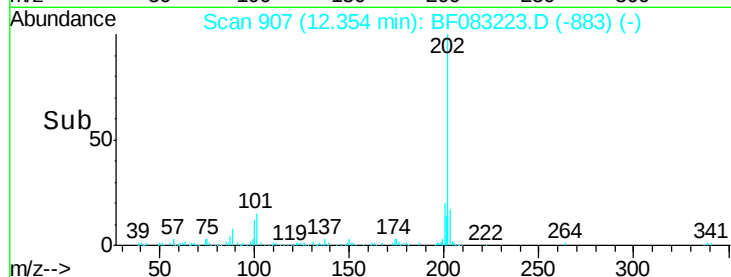
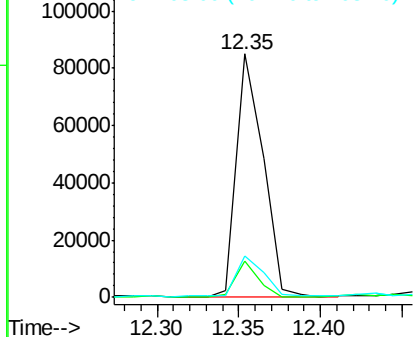
Tot Ion:	202	Resp:	96234
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	32.3
203	16.9	0.0	38.4

Manual Integrations
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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

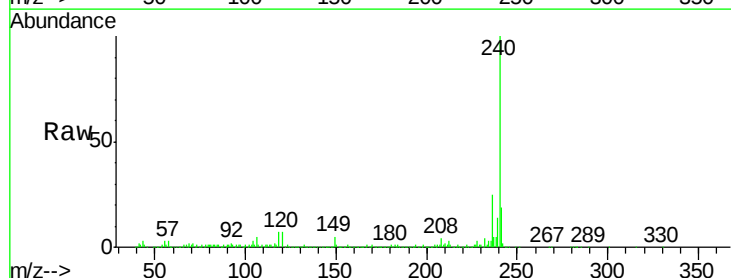
RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

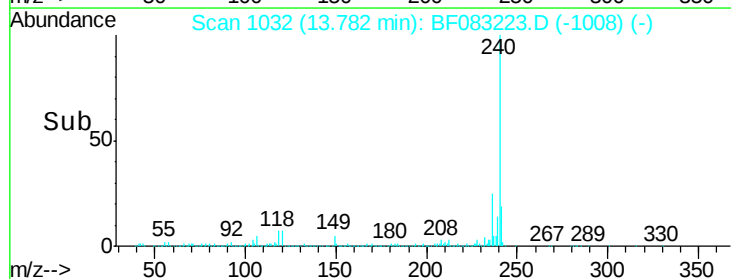
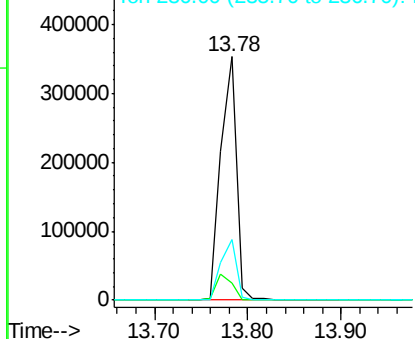
Lab File: BF083223.D

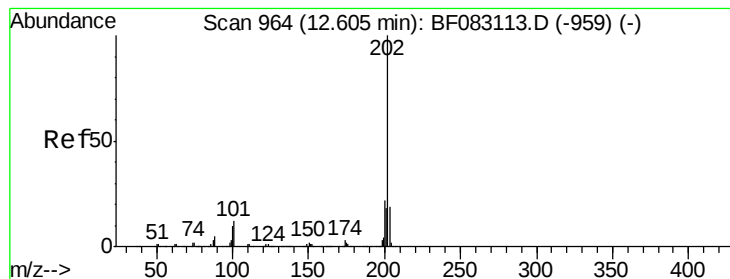
Acq: 24 Nov 2015 00:34

Tgt Ion:	240	Resp:	410266
Ion Ratio	Lower	Upper	
240	100		
120	7.3	5.4	8.2
236	24.8	20.6	31.0



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

Pvrene

Concen: 3.14 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

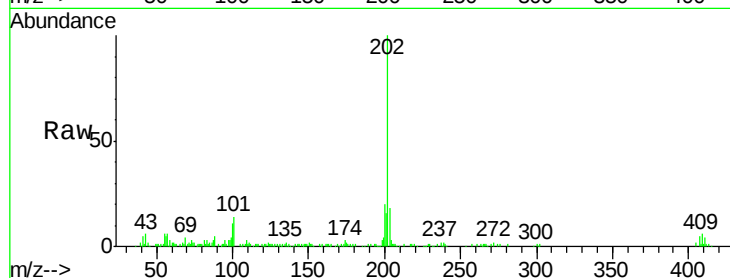
ClientSampleId :

A17-COMP

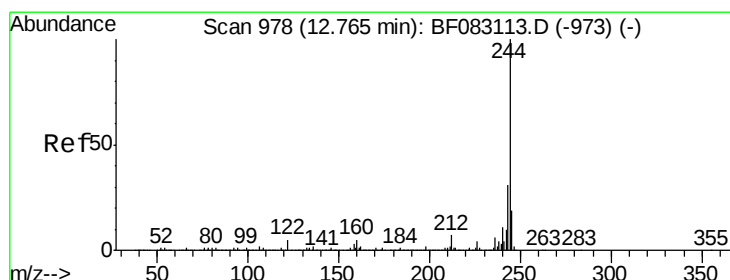
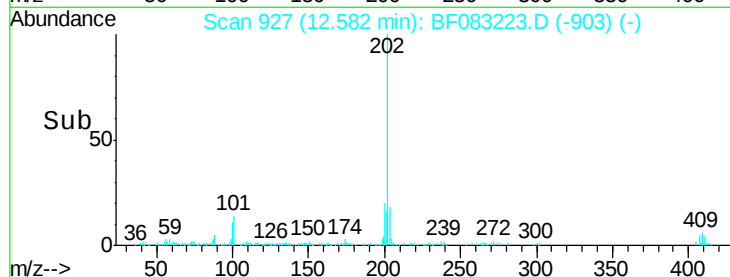
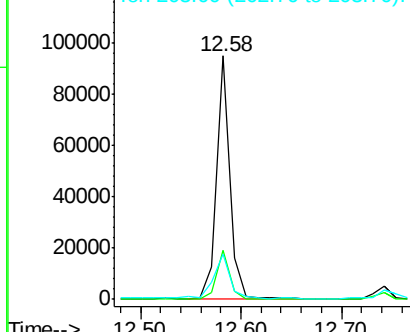
Tot Ion:	202	Resp:	87948
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.8	26.6
203	18.3	15.0	22.4

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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: 80.25 ng

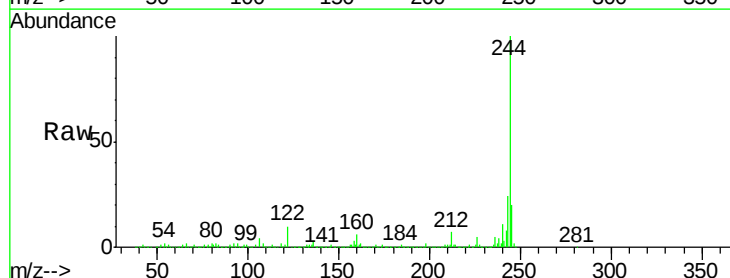
RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

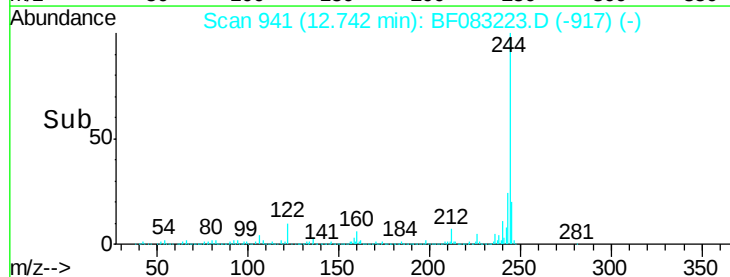
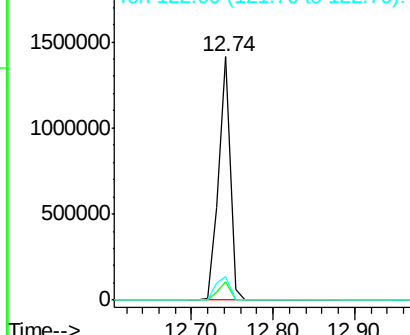
Lab File: BF083223.D

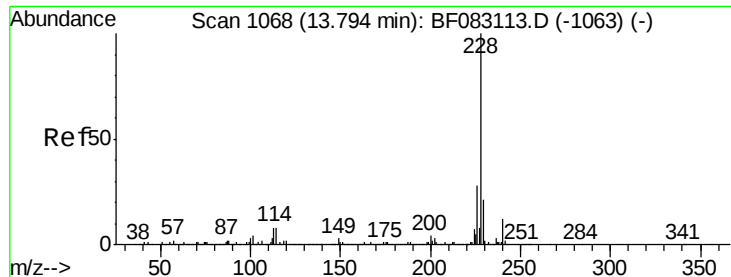
Acq: 24 Nov 2015 00:34

Tgt Ion:	244	Resp:	1398093
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.2
122	9.9	4.3	6.5#



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





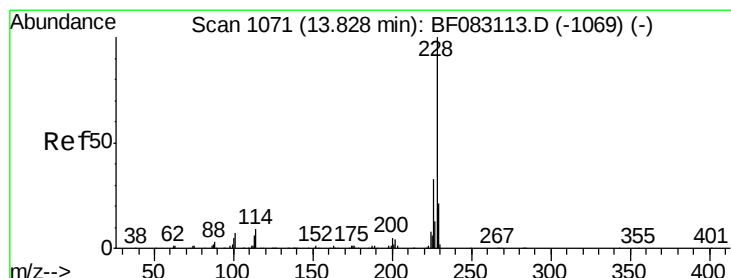
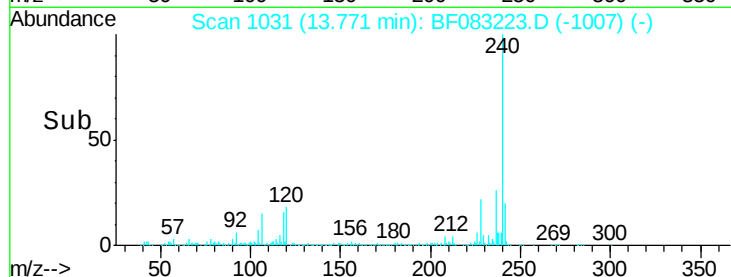
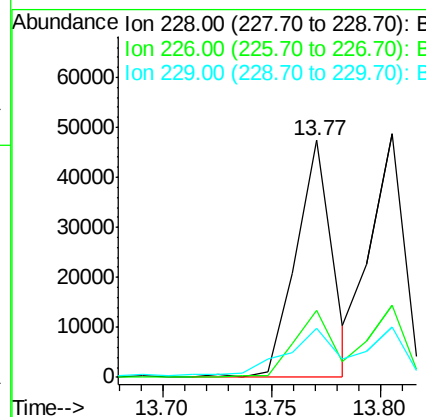
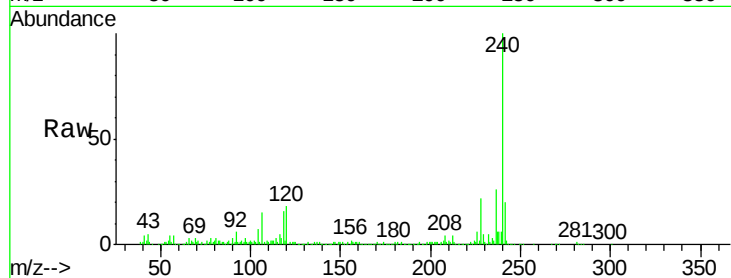
#80
Benzo(a)anthracene
Concen: 2.17 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.8	16.6	24.8

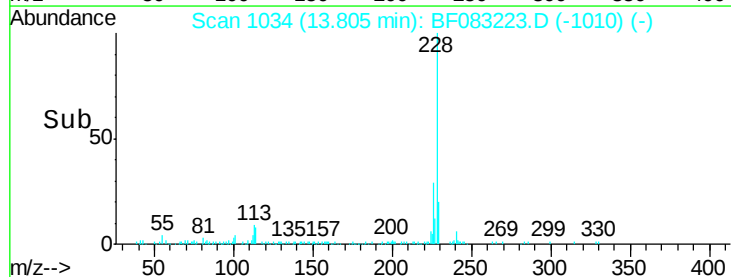
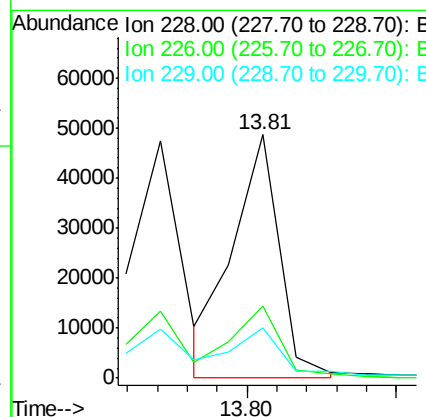
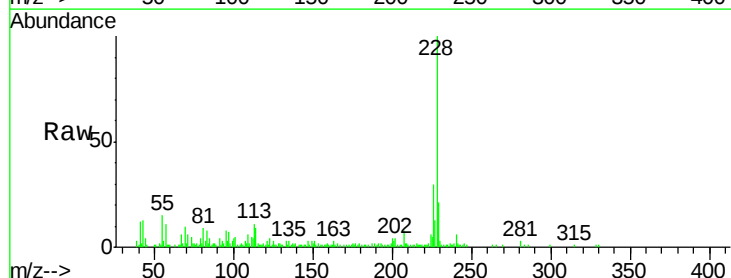
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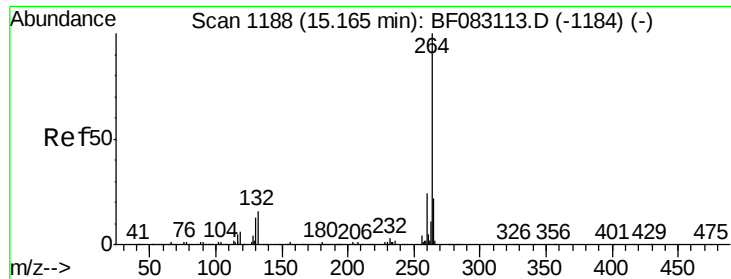
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#82
Chrysene
Concen: 2.24 ng m
RT: 13.81 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.5	38.3
229	20.9	16.6	25.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

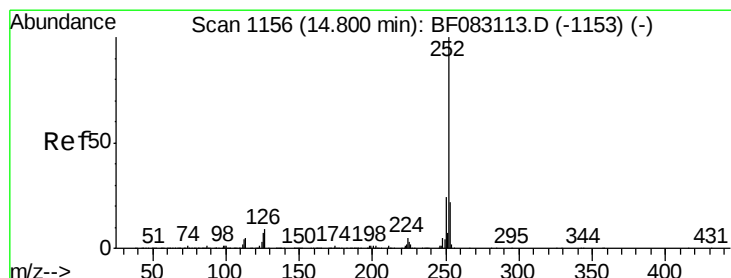
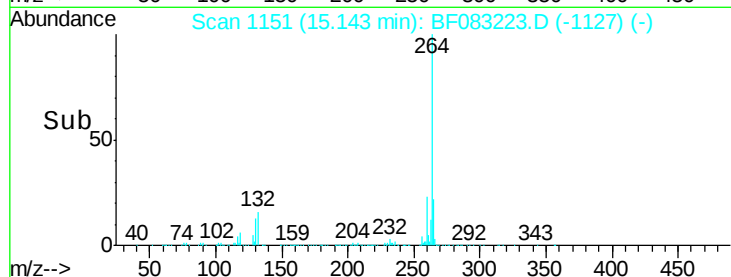
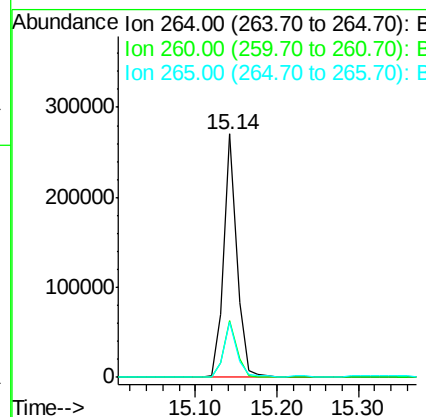
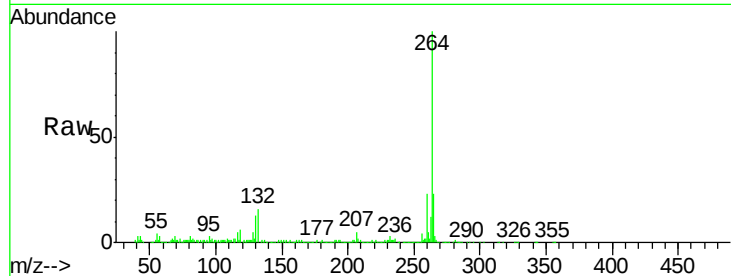
ClientSampleId :

A17-COMP

Tot Ion:	264	Resp:	303766
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.1	28.7
265	22.5	18.2	27.4

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#87

Benzo(b)fluoranthene

Concen: 3.29 ng m

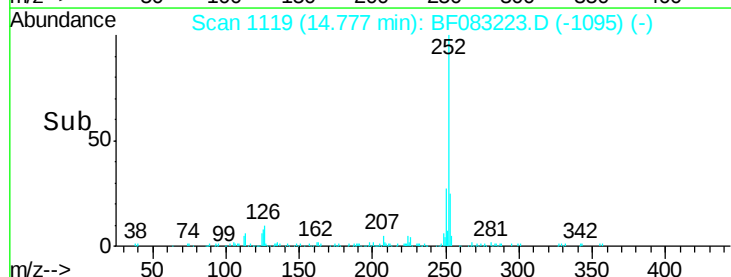
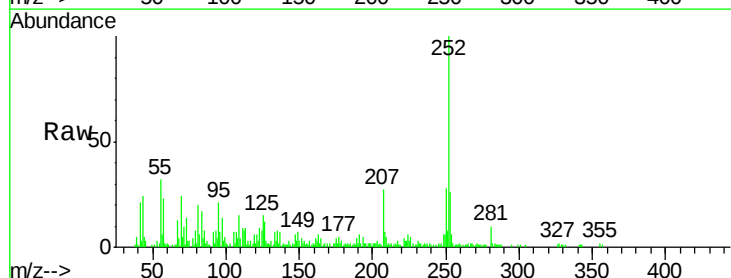
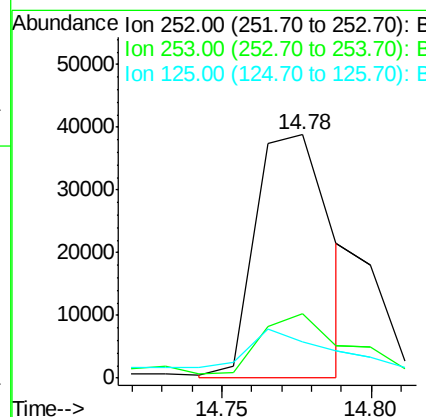
RT: 14.78 min Scan# 1119

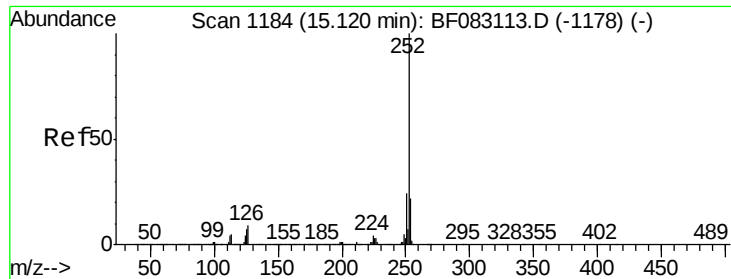
Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Tgt Ion:	252	Resp:	68290
Ion Ratio		Lower	Upper
252	100		
253	26.5	17.7	26.5
125	14.9	5.6	8.4#





#89
 Benzo(a)pyrene
 Concen: 2.26 ng
 RT: 15.09 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	15.3	5.4	8.0

Manual Integrations
 APPROVED

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 11/24/2015 1:20:10 PM

