

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083263.D
 Acq On : 25 Nov 2015 4:02
 Operator : UM/IZ
 Sample : G4440-02 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Manual Integrations
 APPROVED

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 11/25/2015 12:54:53 PM

Quant Time: Nov 25 05:53:54 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	6.60	152	208818m	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	791234	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	369184	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	554512	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	497450	20.00	ng	-0.06
86) Perylene-d12	15.11	264	493081	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	312171	22.60	ng	-0.08
7) Phenol-d6	6.27	99	437086	24.46	ng	-0.07
23) Nitrobenzene-d5	7.18	82	275529	15.91	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	68877	18.24	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	409292	15.46	ng	-0.05
78) Terphenyl-d14	12.71	244	283510	13.42	ng	-0.06
Target Compounds						
49) Dimethylphthalate	9.38	163	148176	5.21	ng	Qvalue 98
70) Phenanthrene	11.14	178	273147	8.55	ng	98
74) Fluoranthene	12.33	202	617661	18.89	ng	95
77) Pyrene	12.55	202	469803	13.82	ng	97
80) Benzo(a)anthracene	13.74	228	232330	7.55	ng	99
82) Chrysene	13.77	228	291593m	10.22	ng	
83) Bis(2-ethylhexyl)phthalate	13.76	149	134361	6.40	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.34	276	131234	5.06	ng	94
87) Benzo(b)fluoranthene	14.74	252	338133m	10.04	ng	
88) Benzo(k)fluoranthene	14.75	252	116290m	4.63	ng	
89) Benzo(a)pyrene	15.05	252	206984	7.44	ng	# 91
91) Benzo(g,h,i)perylene	16.72	276	111875	4.54	ng	98

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

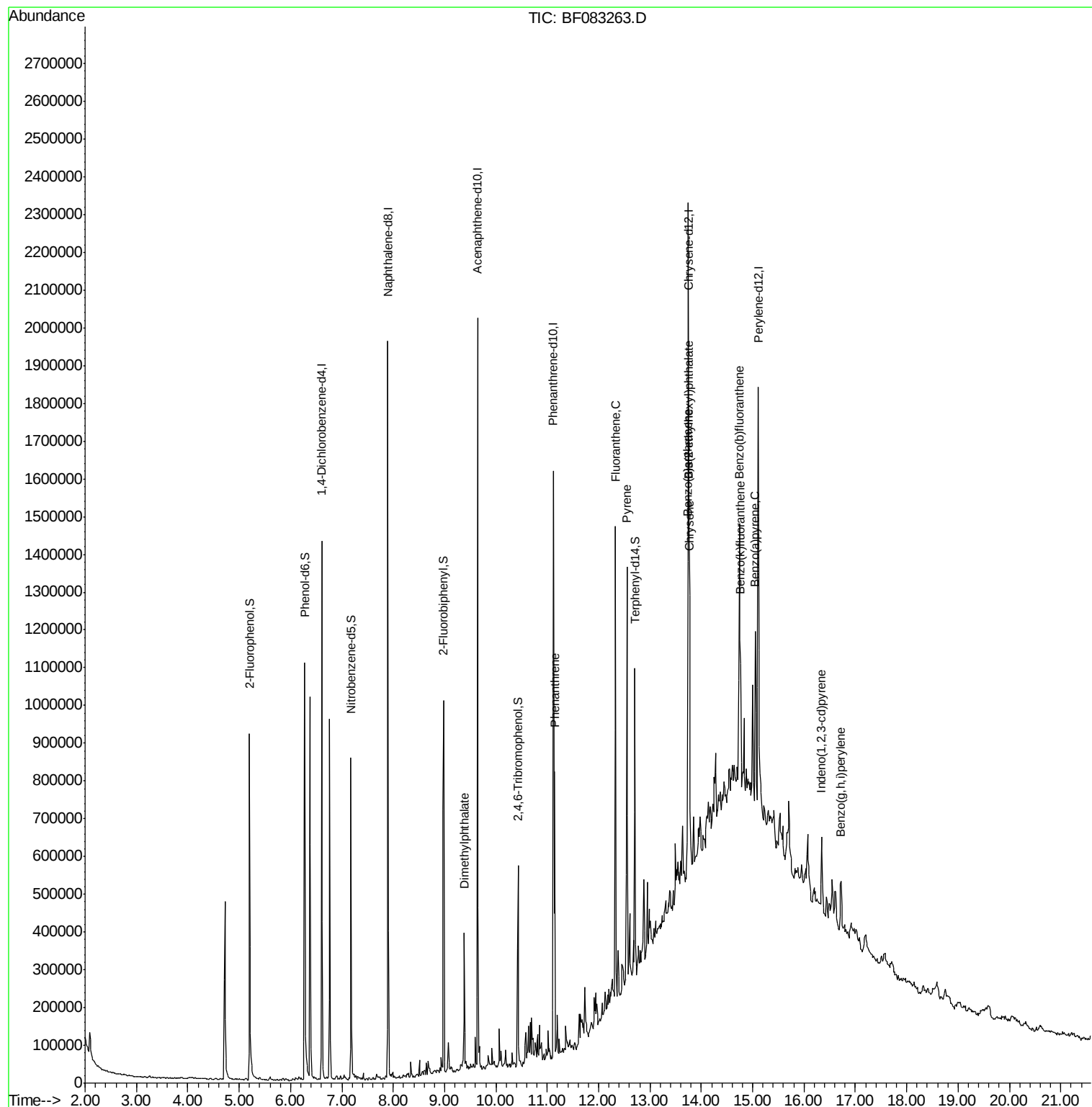
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
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ALS Vial : 26 Sample Multiplier: 1

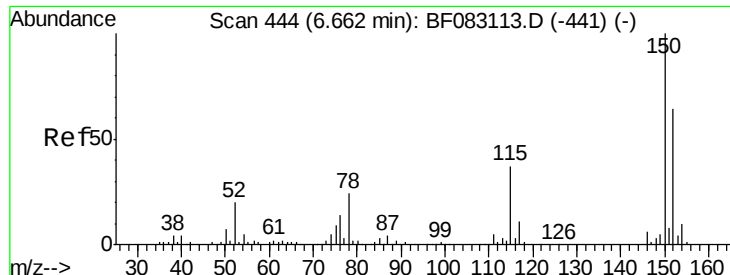
Instrument :
BNA_F
ClientSampleId :
V1S2

Manual Integrations
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11/25/2015 12:54:53 PM

Quant Time: Nov 25 05:53:54 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

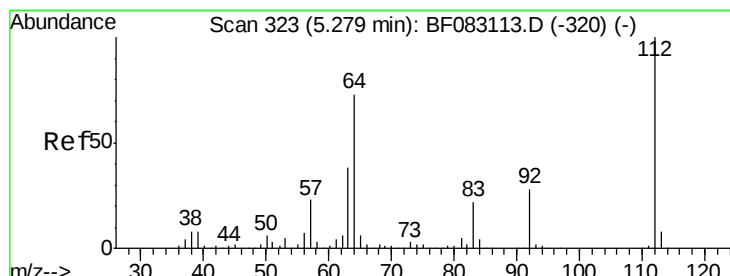
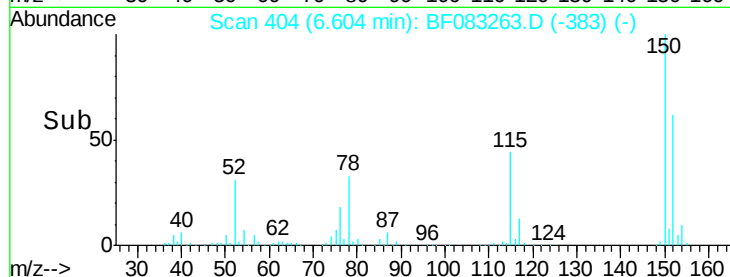
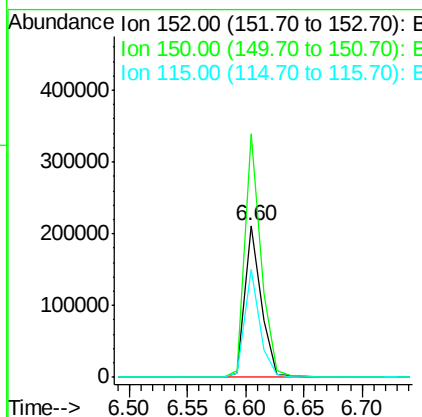
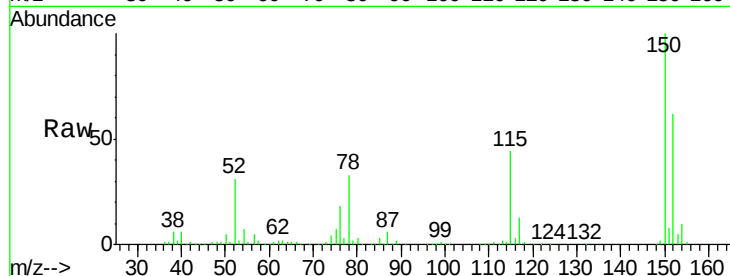
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.60 min Scan# 404
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	208818		
150	160.5	125.8	188.8	
115	71.4	46.9	70.3#	

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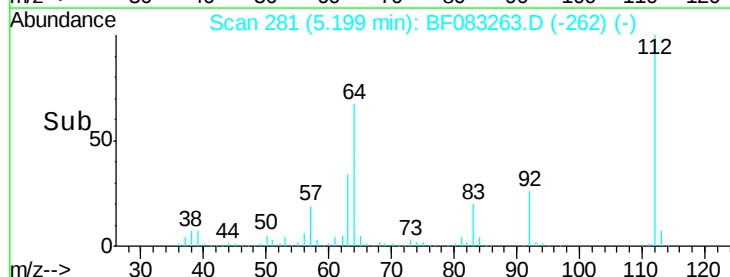
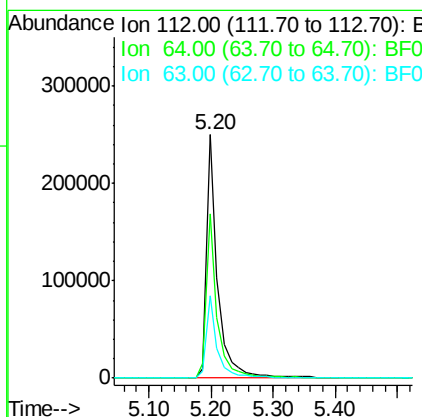
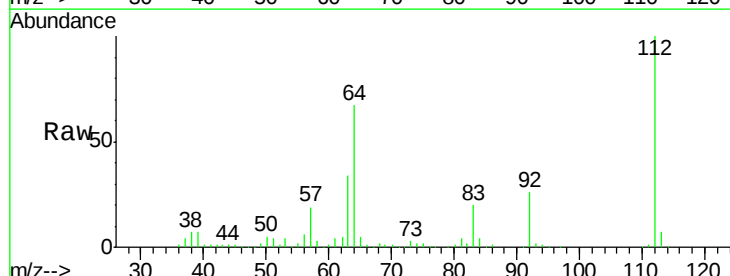
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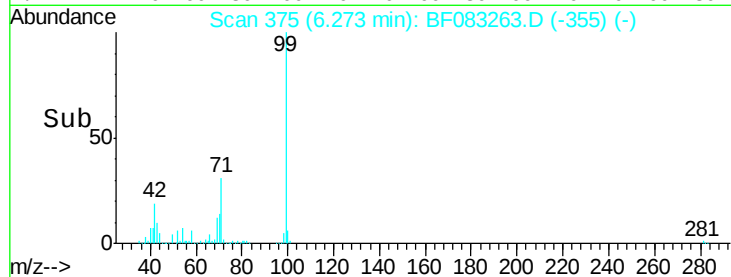
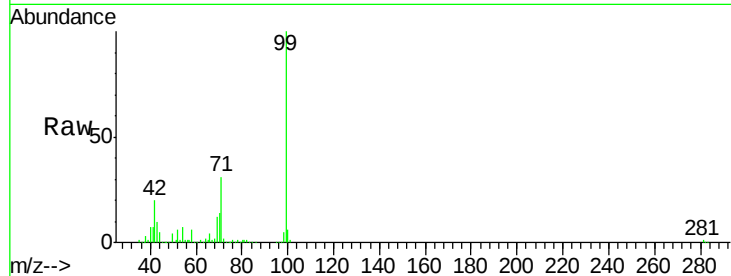
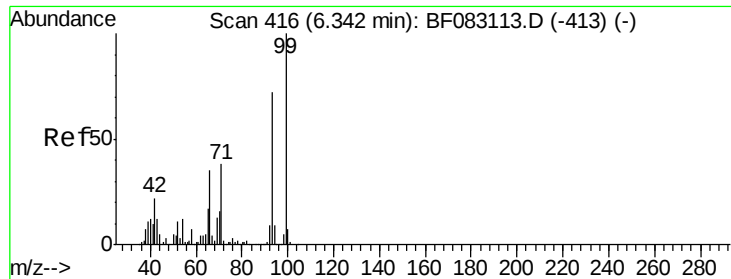


#5

2-Fluorophenol
Concen: 22.60 ng
RT: 5.20 min Scan# 281
Delta R.T. -0.08 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	312171		
64	67.4	58.4	87.6	
63	33.7	30.0	45.0	





#7

Phenol-d6

Concen: 24.46 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt Ion:	99	Resp:	437086
Ion Ratio	Lower	Upper	
99	100		
42	19.5	17.7	26.5
71	31.4	30.2	45.4

Instrument :

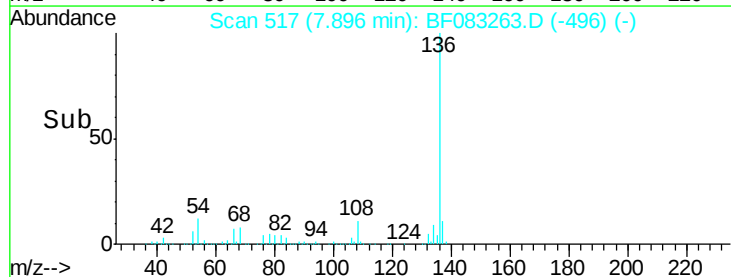
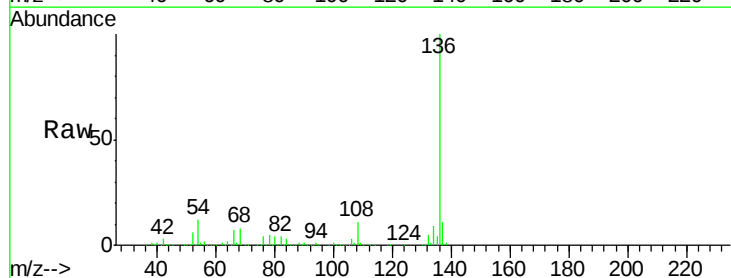
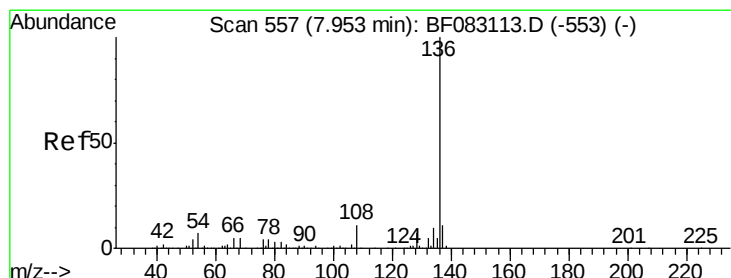
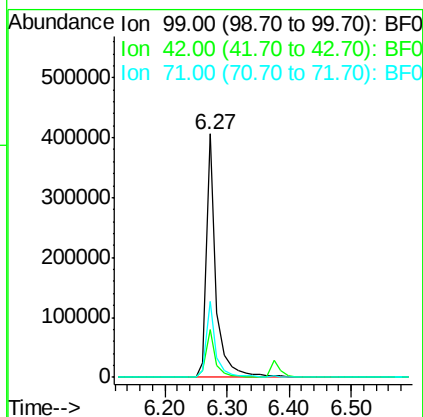
BNA_F

ClientSampleId :

V1S2

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#21

Naphthalene-d8

Concen: 20.00 ng

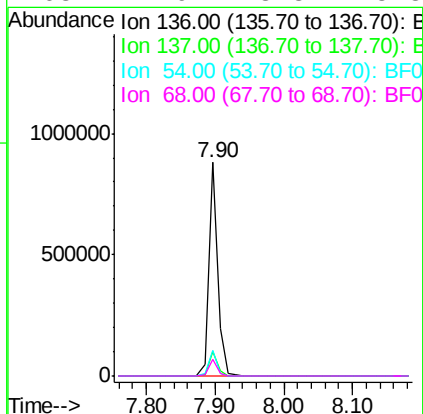
RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt Ion:	136	Resp:	791234
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	11.8	5.8	8.6#
68	7.9	3.8	5.8#





#23

Nitrobenzene-d5

Concen: 15.91 ng

RT: 7.18 min Scan# 454

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

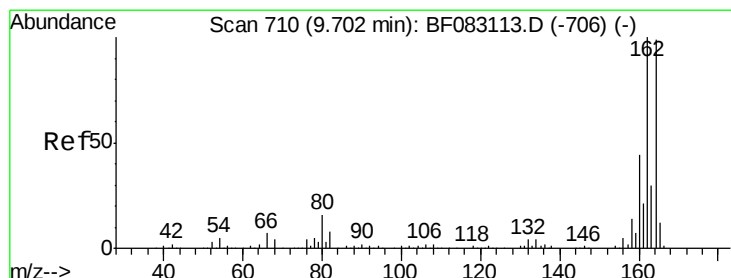
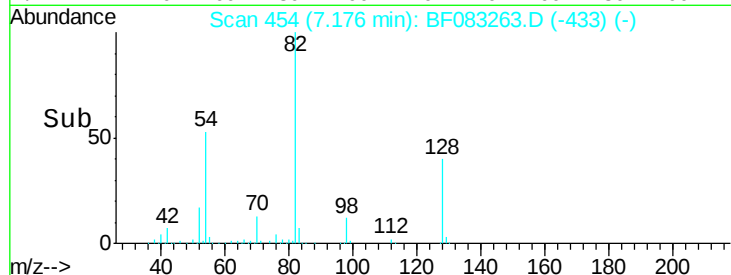
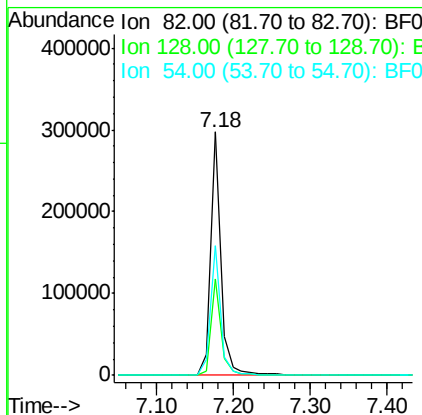
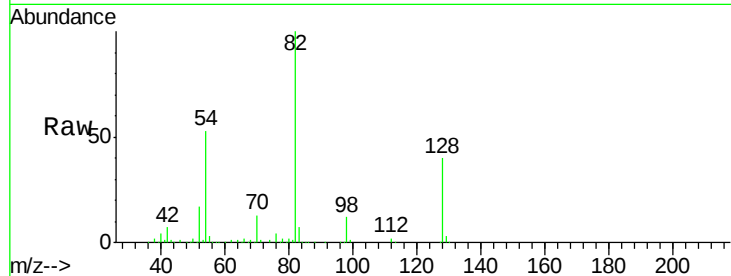
ClientSampleId :

V1S2

Tgt Ion:	82	Resp:	275529
Ion Ratio	Lower	Upper	
82	100		
128	39.8	28.5	42.7
54	53.0	44.6	67.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

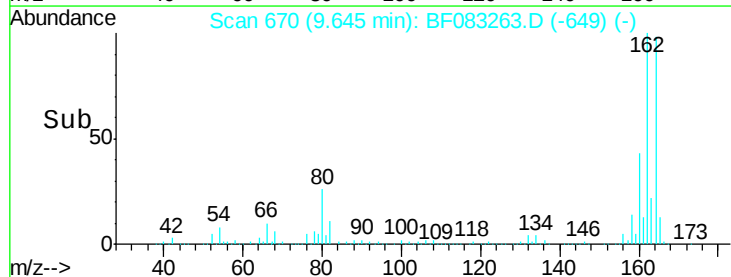
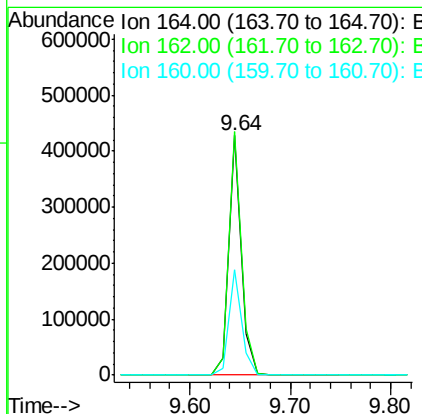
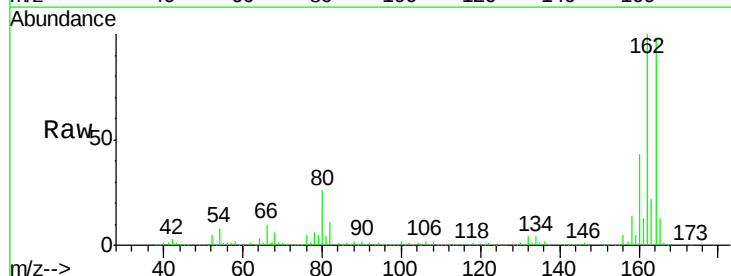
RT: 9.64 min Scan# 670

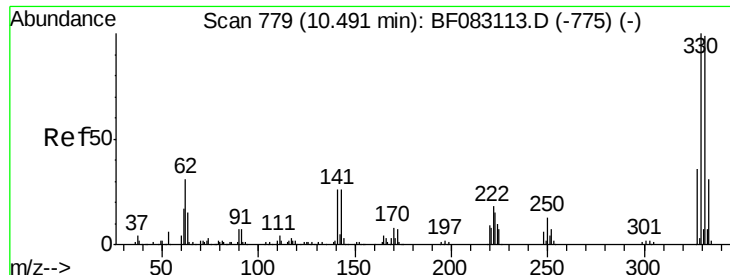
Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt Ion:	164	Resp:	369184
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.2	121.8
160	43.8	35.6	53.4





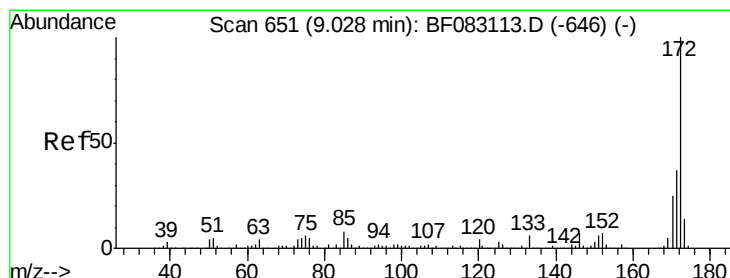
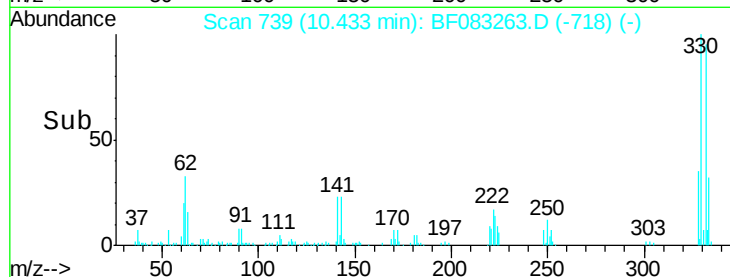
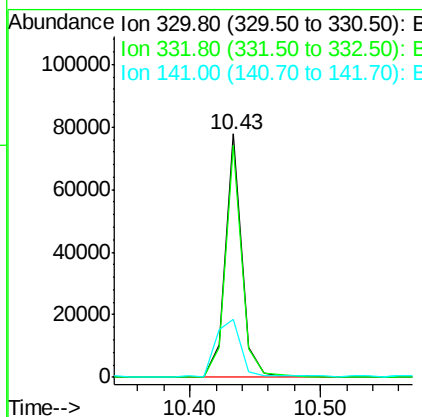
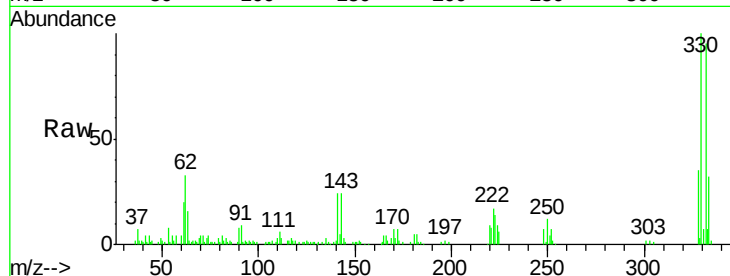
#41
 2,4,6-Tribromophenol
 Concen: 18.24 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion:	330	Resp:	68877
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.7	116.5
141	38.7	29.7	44.5

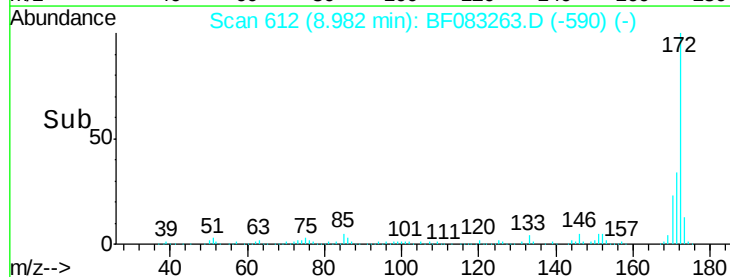
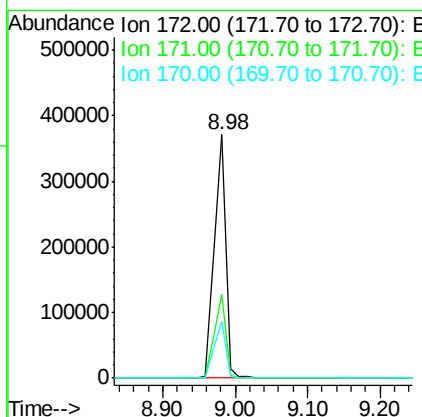
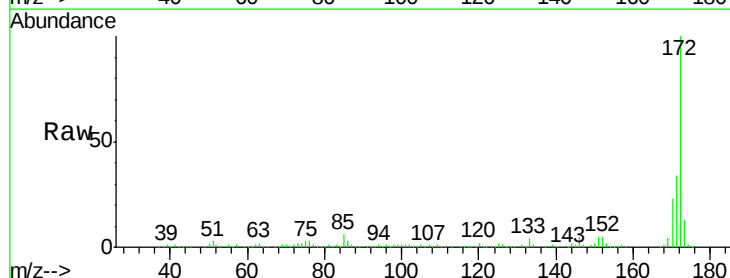
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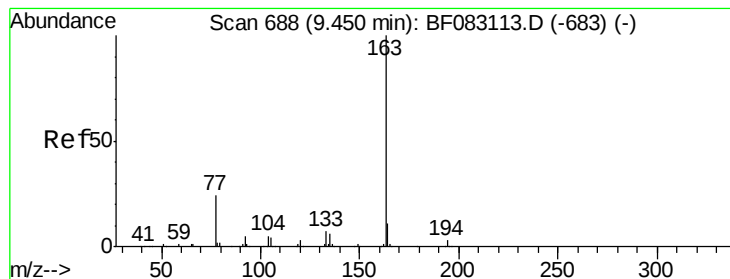
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 11/25/2015 12:54:53 PM



#44
 2-Fluorobiphenyl
 Concen: 15.46 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion:	172	Resp:	409292
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.5	44.3
170	23.3	19.9	29.9





#49

Dimethylphthalate

Concen: 5.21 ng

RT: 9.38 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

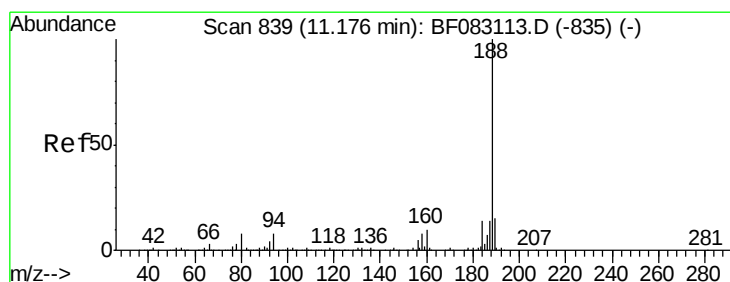
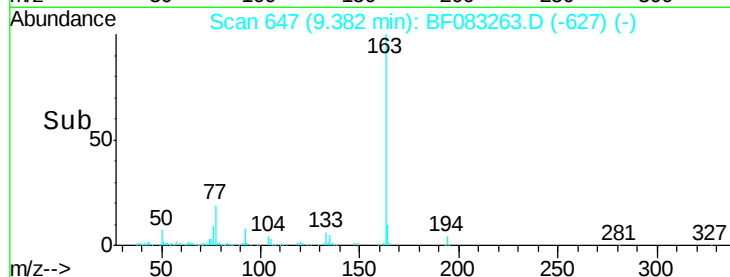
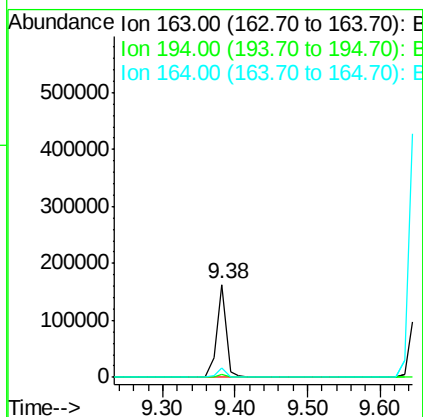
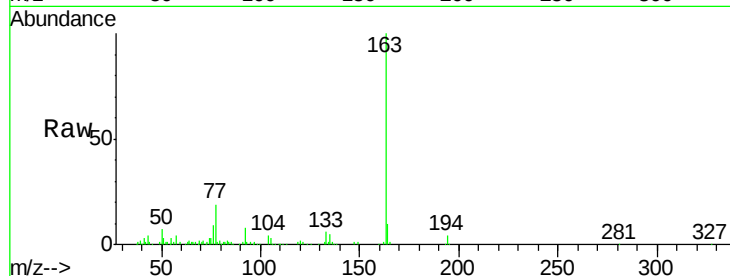
ClientSampleId :

V1S2

Tgt	Ion	Resp	Lower	Upper
163	100			
194	3.6	2.6	4.0	
164	9.6	8.6	12.8	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

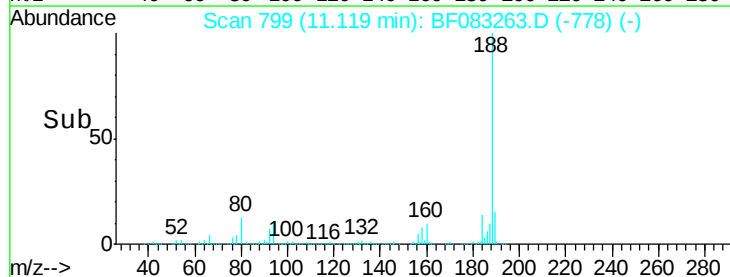
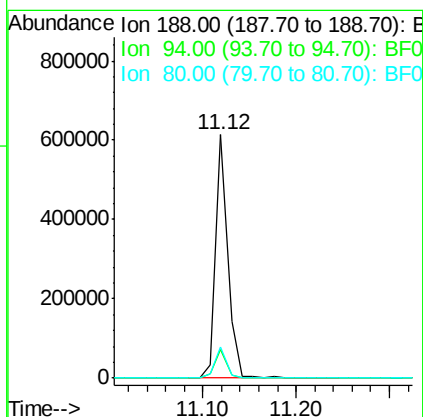
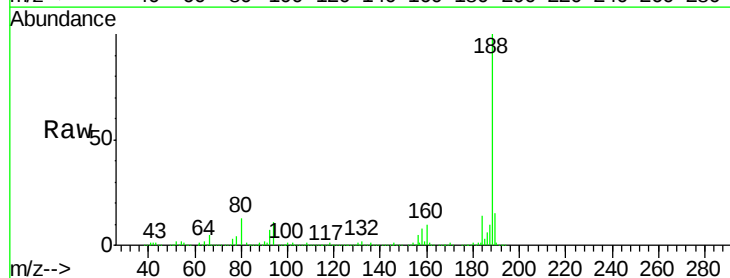
RT: 11.12 min Scan# 799

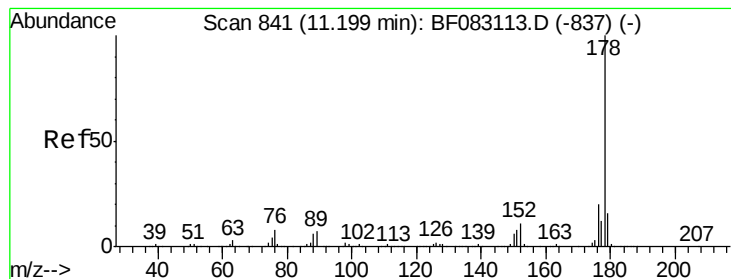
Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt	Ion	Resp	Lower	Upper
188	100			
94	11.5	6.0	9.0#	
80	13.0	6.7	10.1#	





#70

Phenanthrene

Concen: 8.55 ng

RT: 11.14 min Scan# 801

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

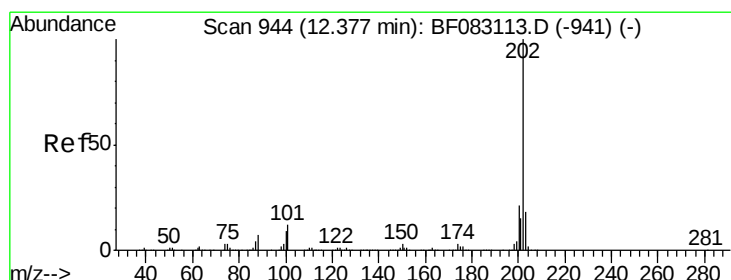
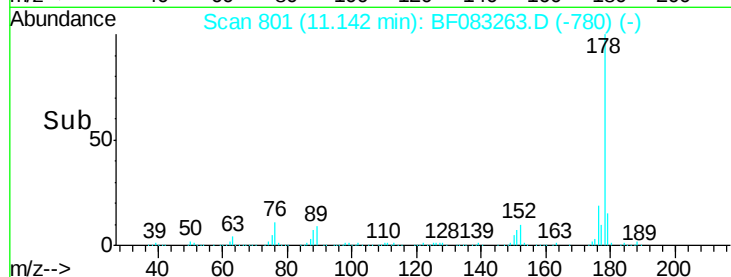
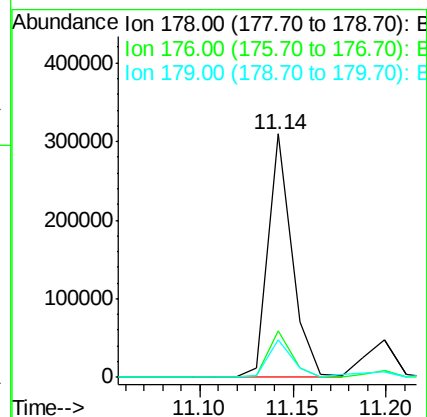
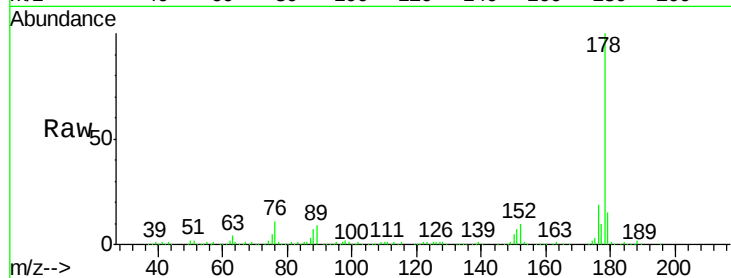
ClientSampleId :

V1S2

Tgt Ion:	178	Resp:	273147
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.2
179	15.4	12.8	19.2

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#74

Fluoranthene

Concen: 18.89 ng

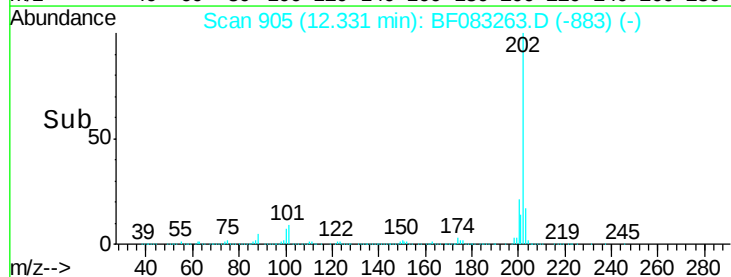
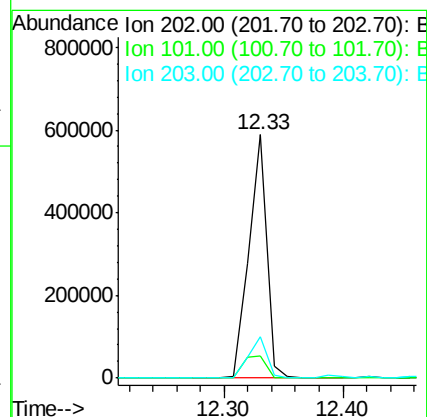
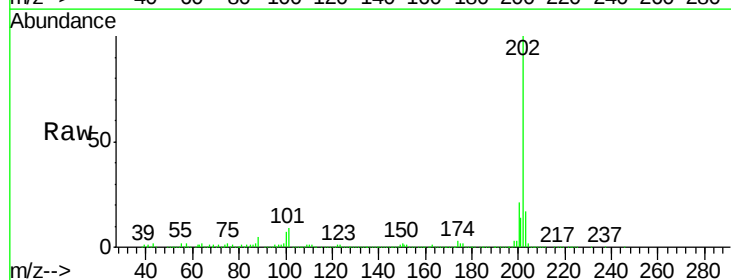
RT: 12.33 min Scan# 905

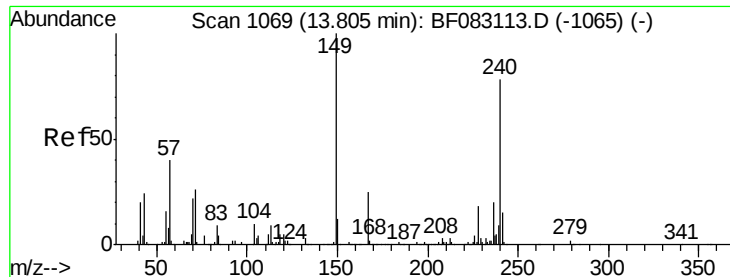
Delta R.T. -0.05 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Tgt Ion:	202	Resp:	617661
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	32.3
203	17.1	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

ClientSampleId :

V1S2

Tgt Ion:240 Resp: 497450
Ion Ratio Lower Upper

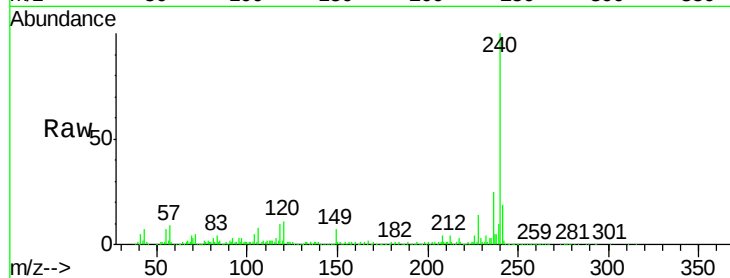
240 100

120 11.2 5.4 8.2#

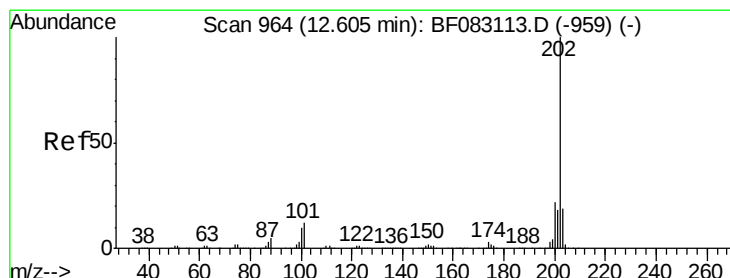
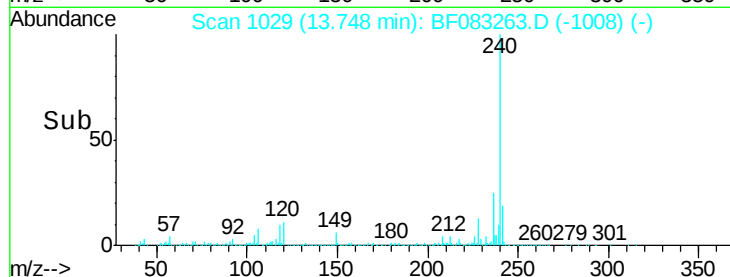
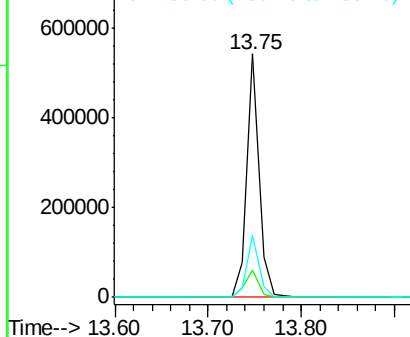
236 25.4 20.6 31.0

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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: 13.82 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083263.D

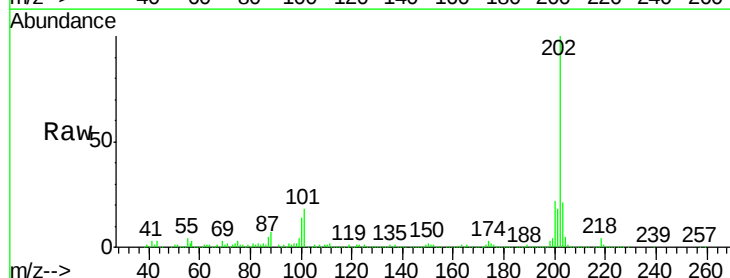
Acq: 25 Nov 2015 4:02

Tgt Ion:202 Resp: 469803
Ion Ratio Lower Upper

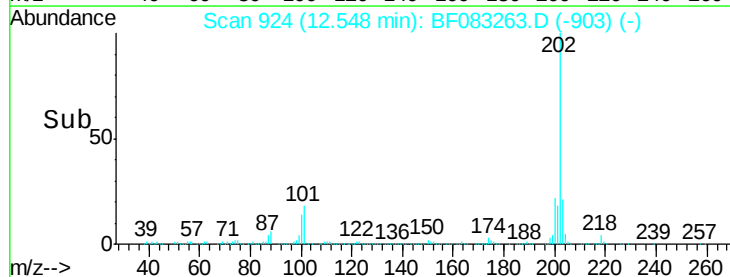
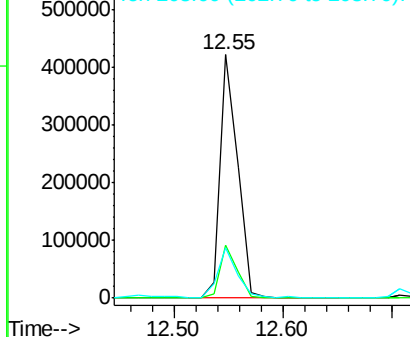
202 100

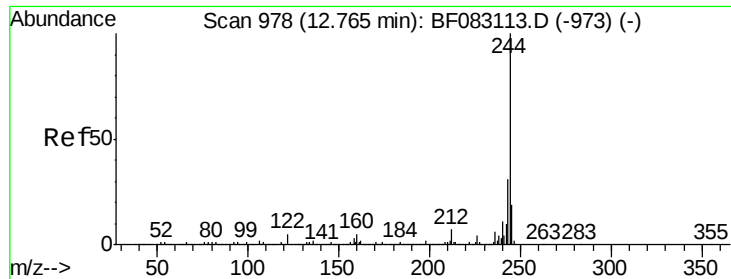
200 21.7 17.8 26.6

203 20.6 15.0 22.4



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





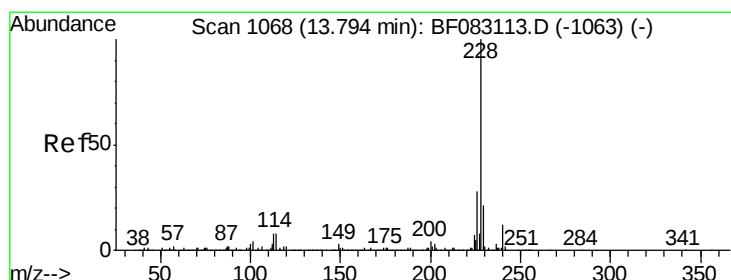
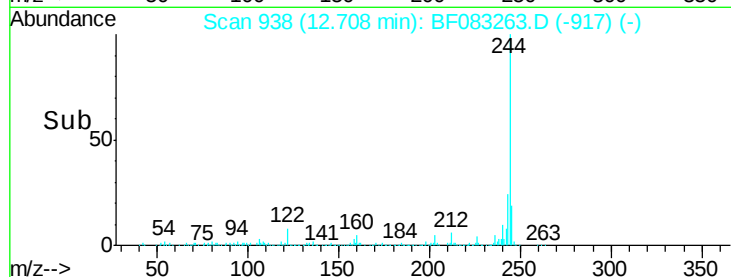
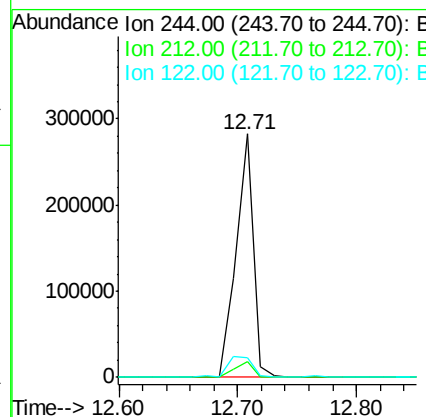
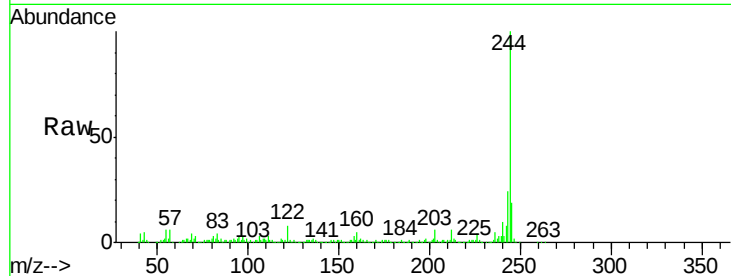
#78
 Terphenyl-d14
 Concen: 13.42 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	5.4	8.2
122	8.3	4.3	6.5

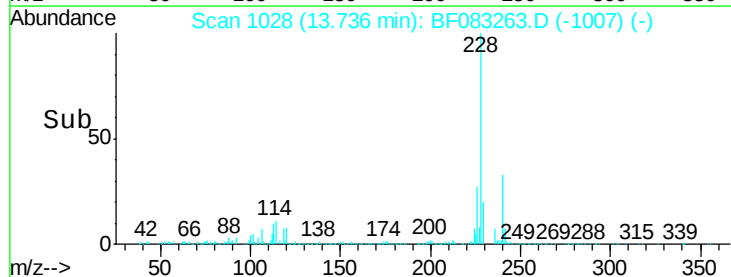
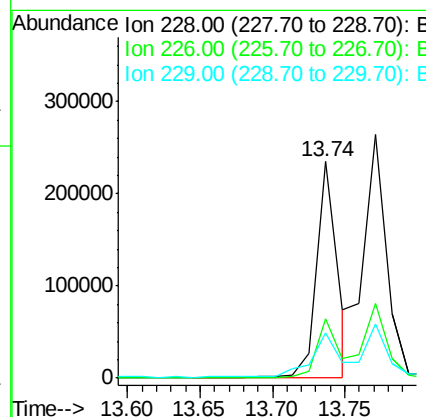
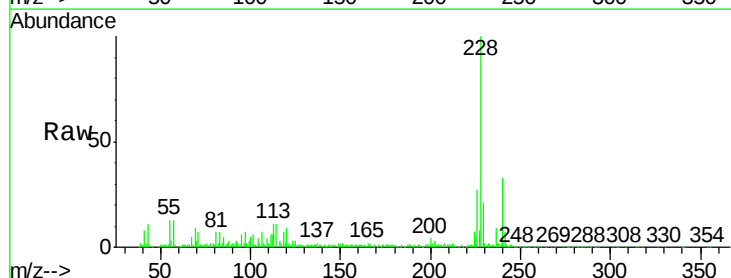
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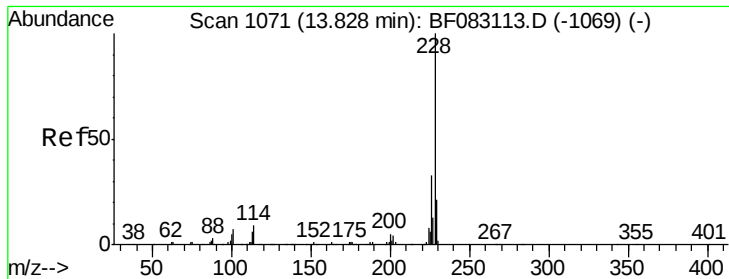
Mmdadoda
 11/25/2015 12:54:53 PM



#80
 Benzo(a)anthracene
 Concen: 7.55 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.3	22.6	33.8
229	21.0	16.6	24.8





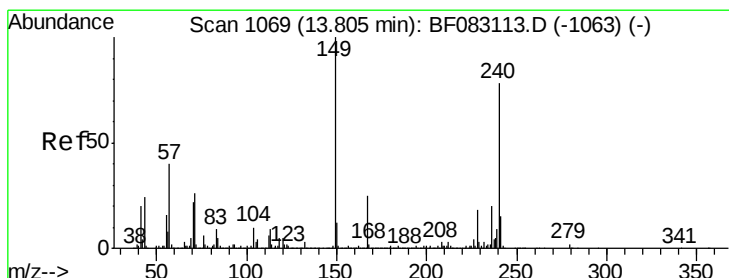
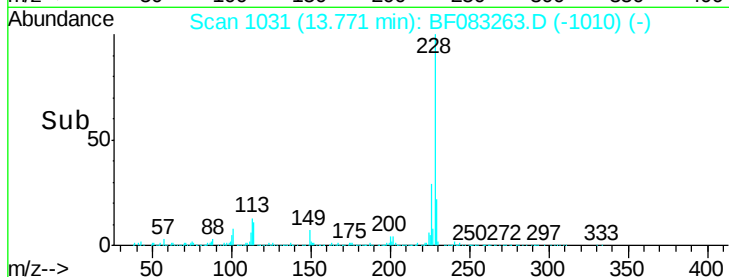
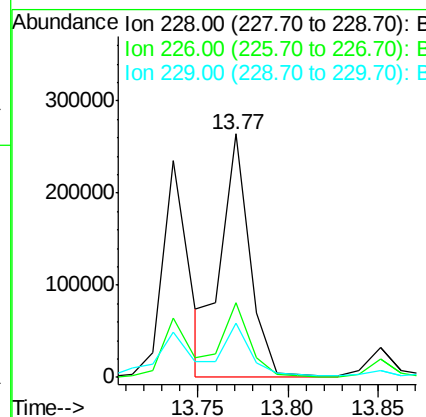
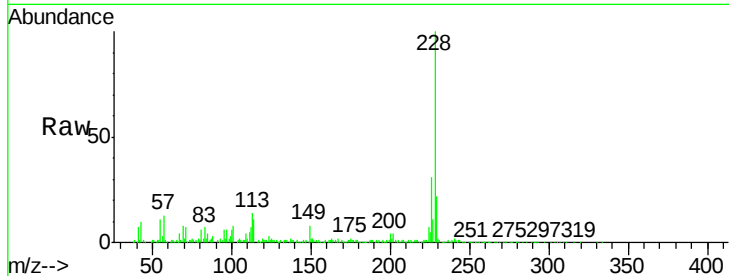
#82
 Chrysene
 Concen: 10.22 ng m
 RT: 13.77 min Scan# 1031
 Delta R.T. -0.06 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	291593		
226	30.6	25.5	38.3	
229	22.3	16.6	25.0	

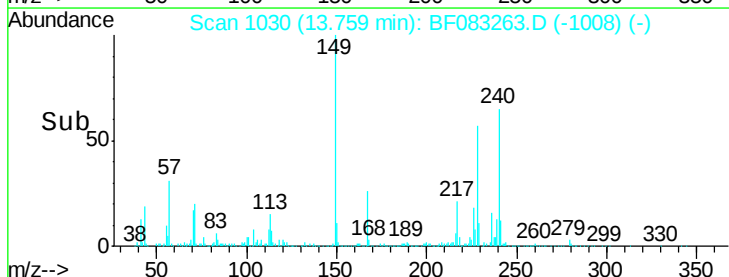
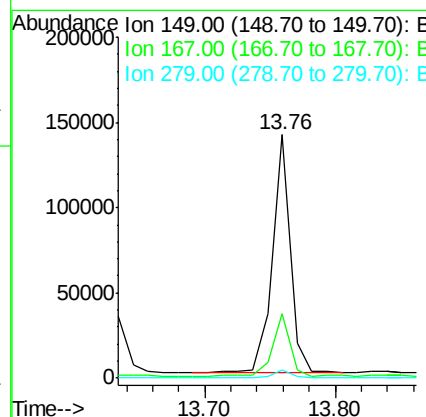
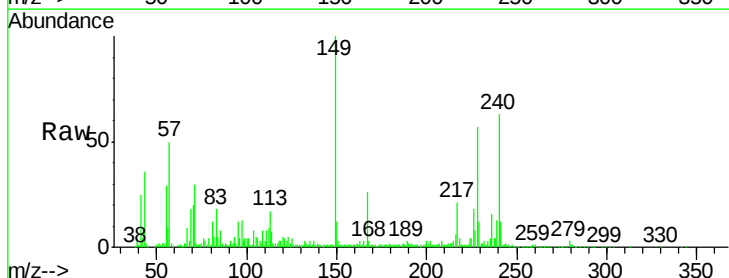
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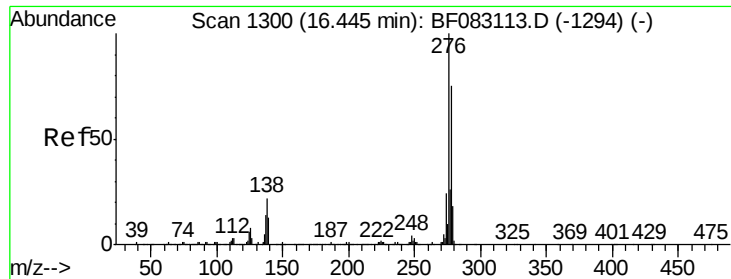
Mmdadoda
 11/25/2015 12:54:53 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.40 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.05 min
 Lab File: BF083263.D
 Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	134361		
167	26.5	20.1	30.1	
279	3.2	1.7	2.5#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.06 ng

RT: 16.34 min Scan# 1256

Delta R.T. -0.10 min

Lab File: BF083263.D

Acq: 25 Nov 2015 4:02

Instrument :

BNA_F

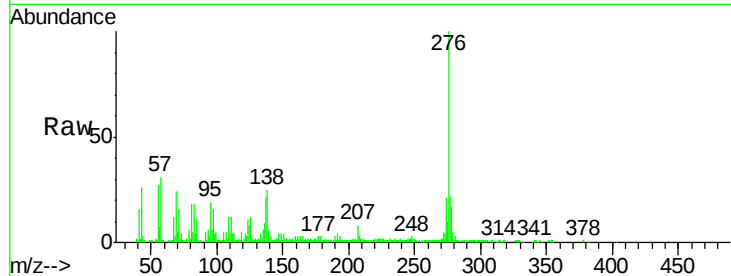
ClientSampleId :

V1S2

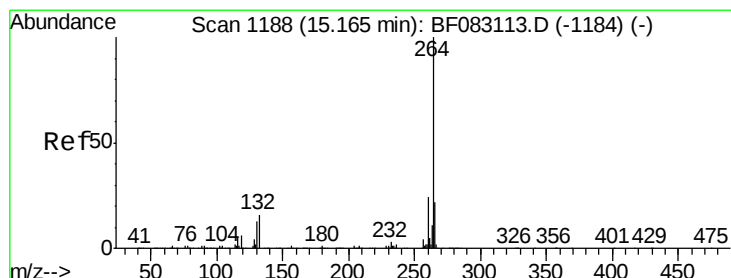
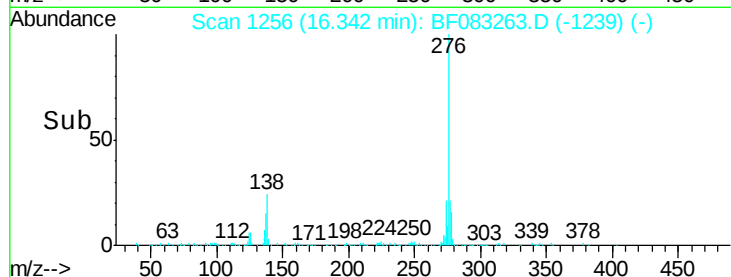
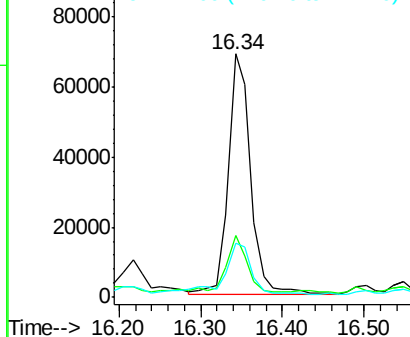
Tgt Ion:	276	Resp:	131234
Ion Ratio		Lower	Upper
276	100		
138	25.3	18.0	27.0
277	28.0	20.2	30.4

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

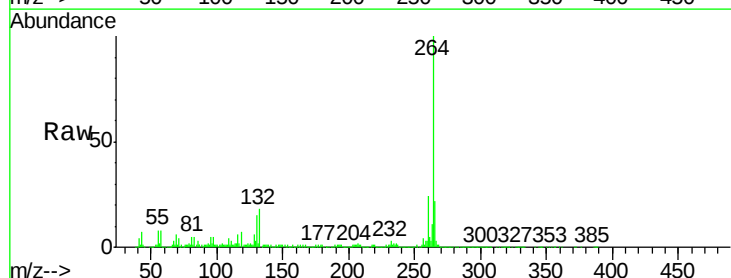
RT: 15.11 min Scan# 1148

Delta R.T. -0.06 min

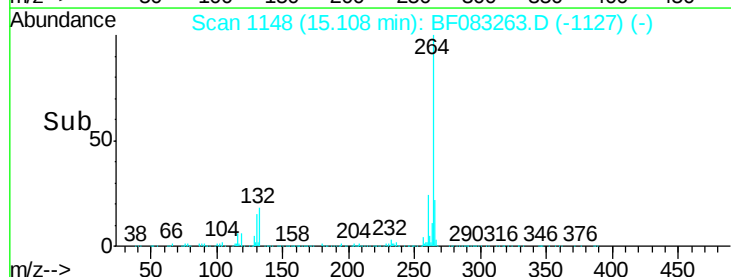
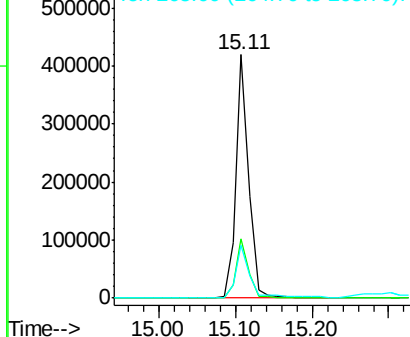
Lab File: BF083263.D

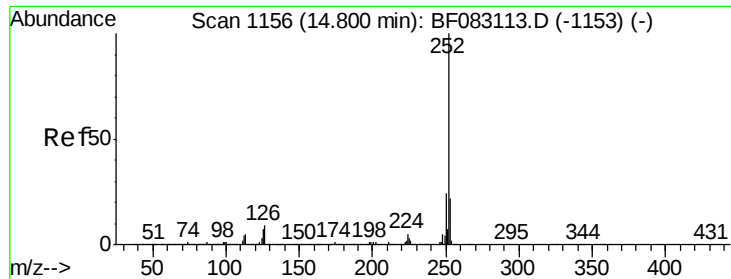
Acq: 25 Nov 2015 4:02

Tgt Ion:	264	Resp:	493081
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.1	28.7
265	21.9	18.2	27.4



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





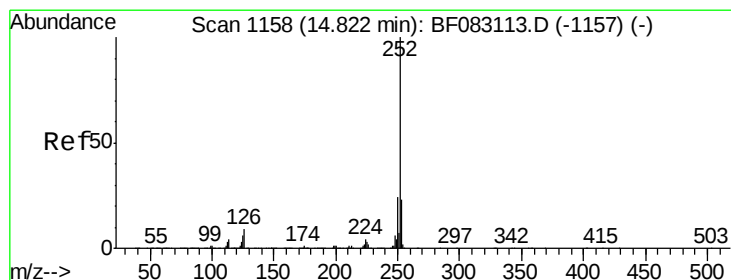
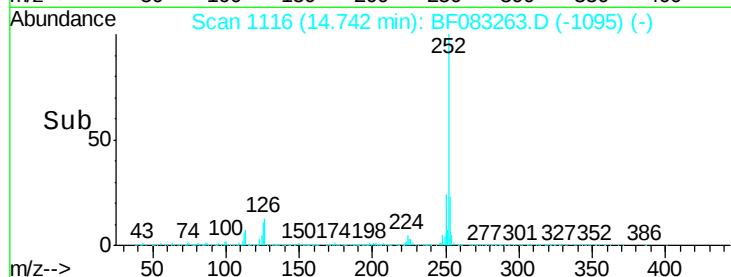
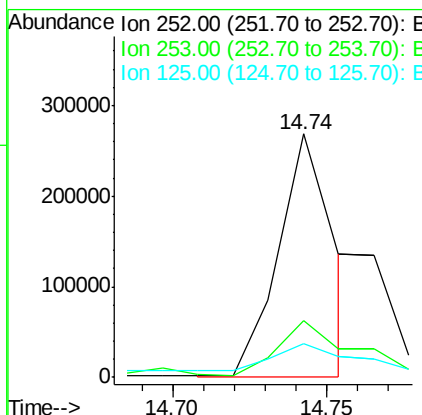
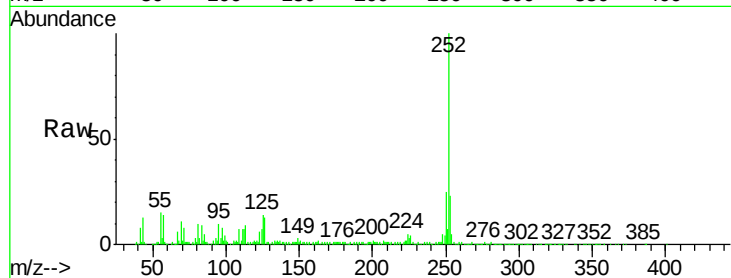
#87
Benzo(b)fluoranthene
Concen: 10.04 ng m
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	13.7	5.6	8.4#

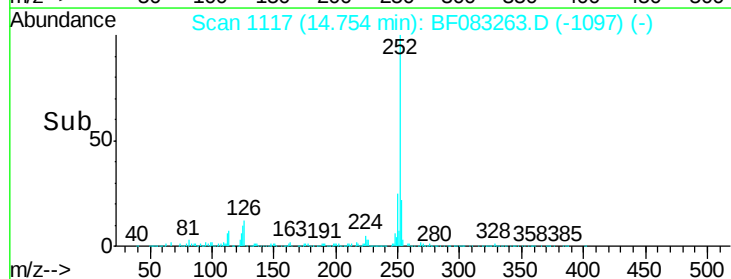
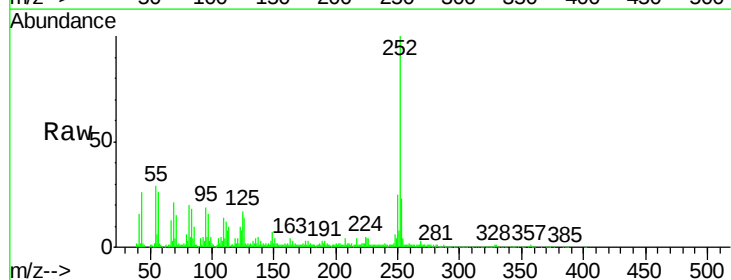
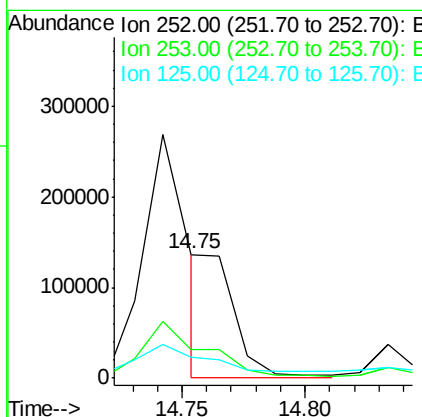
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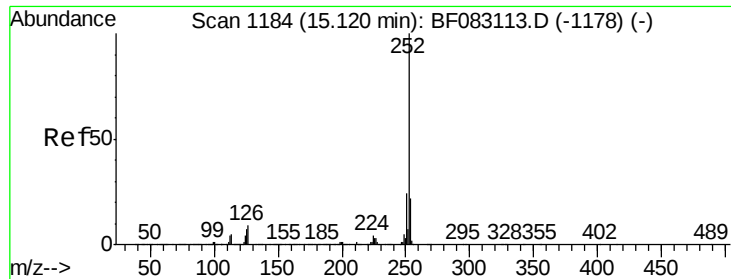
Mmdadoda
11/25/2015 12:54:53 PM



#88
Benzo(k)fluoranthene
Concen: 4.63 ng m
RT: 14.75 min Scan# 1117
Delta R.T. -0.07 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	16.5	6.8	10.2#





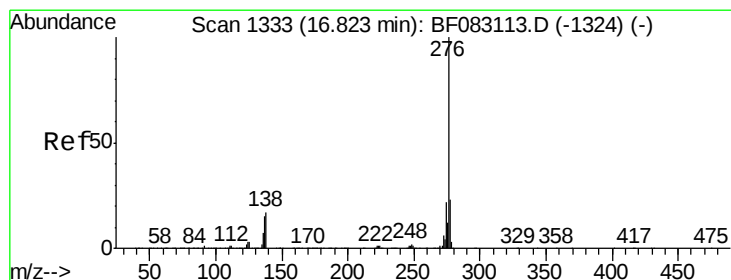
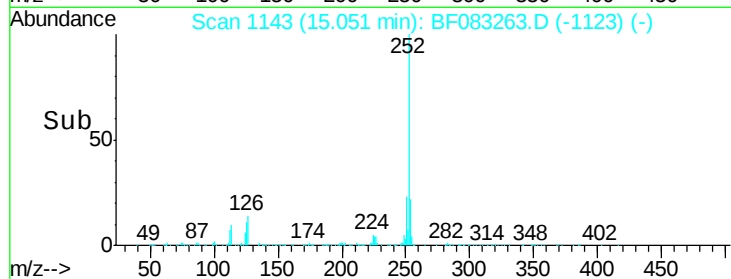
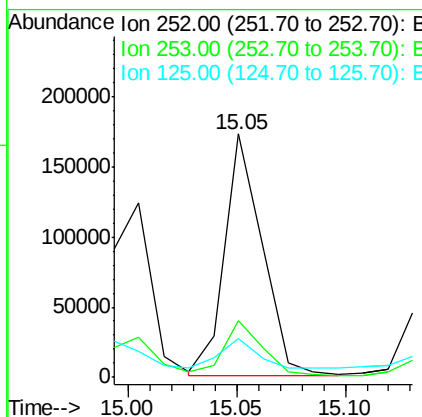
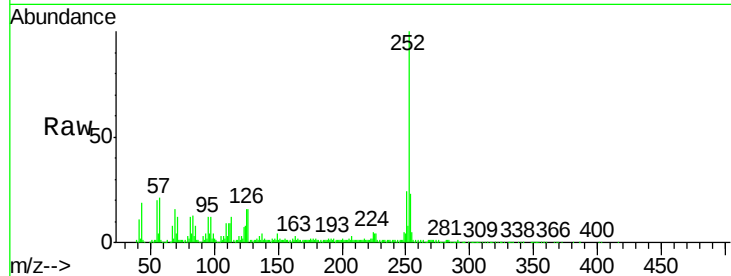
#89
Benzo(a)pyrene
Concen: 7.44 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.9	5.4	8.0

Manual Integrations
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11/25/2015 12:54:53 PM



#91
Benzo(g,h,i)perylene
Concen: 4.54 ng
RT: 16.72 min Scan# 1289
Delta R.T. -0.10 min
Lab File: BF083263.D
Acq: 25 Nov 2015 4:02

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.4	18.7	28.1
138	19.9	13.9	20.9

