

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083671.D
 Acq On : 10 Dec 2015 7:44
 Operator : UM/IZ
 Sample : G4582-03DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Manual Integrations
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MMdadoda
 12/10/2015 5:50:45 PM

Quant Time: Dec 10 12:19:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	130907	20.00	ng	-0.02
21) Naphthalene-d8	7.58	136	506461	20.00	ng	-0.02
38) Acenaphthene-d10	10.36	164	229347	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	355232	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	309889	20.00	ng	-0.02
86) Perylene-d12	18.61	264	252743	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.97	112	222874	25.82	ng	0.00
7) Phenol-d6	5.25	99	376496	32.65	ng	-0.02
23) Nitrobenzene-d5	6.51	82	231400	21.32	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	35687	17.47	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	366856	22.51	ng	-0.02
78) Terphenyl-d14	15.38	244	250375	19.01	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.63	128	5759051	214.70	ng	# 94
37) 2-Methylnaphthalene	8.72	142	881288	52.30	ng	99
45) 1,1'-Biphenyl	9.47	154	219658	11.02	ng	98
48) Acenaphthylene	10.13	152	461035	18.58	ng	99
49) Dimethylphthalate	10.01	163	73325	4.02	ng	99
51) Acenaphthene	10.42	154	190128	13.38	ng	99
54) Dibenzofuran	10.72	168	41891	2.13	ng	94
57) Fluorene	11.25	166	321615	18.70	ng	98
70) Phenanthrene	12.80	178	1381671	67.70	ng	98
71) Anthracene	12.89	178	346880	16.41	ng	99
74) Fluoranthene	14.73	202	544156	26.06	ng	99
77) Pyrene	15.08	202	748969	33.57	ng	100
80) Benzo(a)anthracene	16.96	228	222747m	12.28	ng	
82) Chrysene	17.01	228	200584m	11.03	ng	
85) Indeno(1,2,3-cd)pyrene	19.88	276	5543			

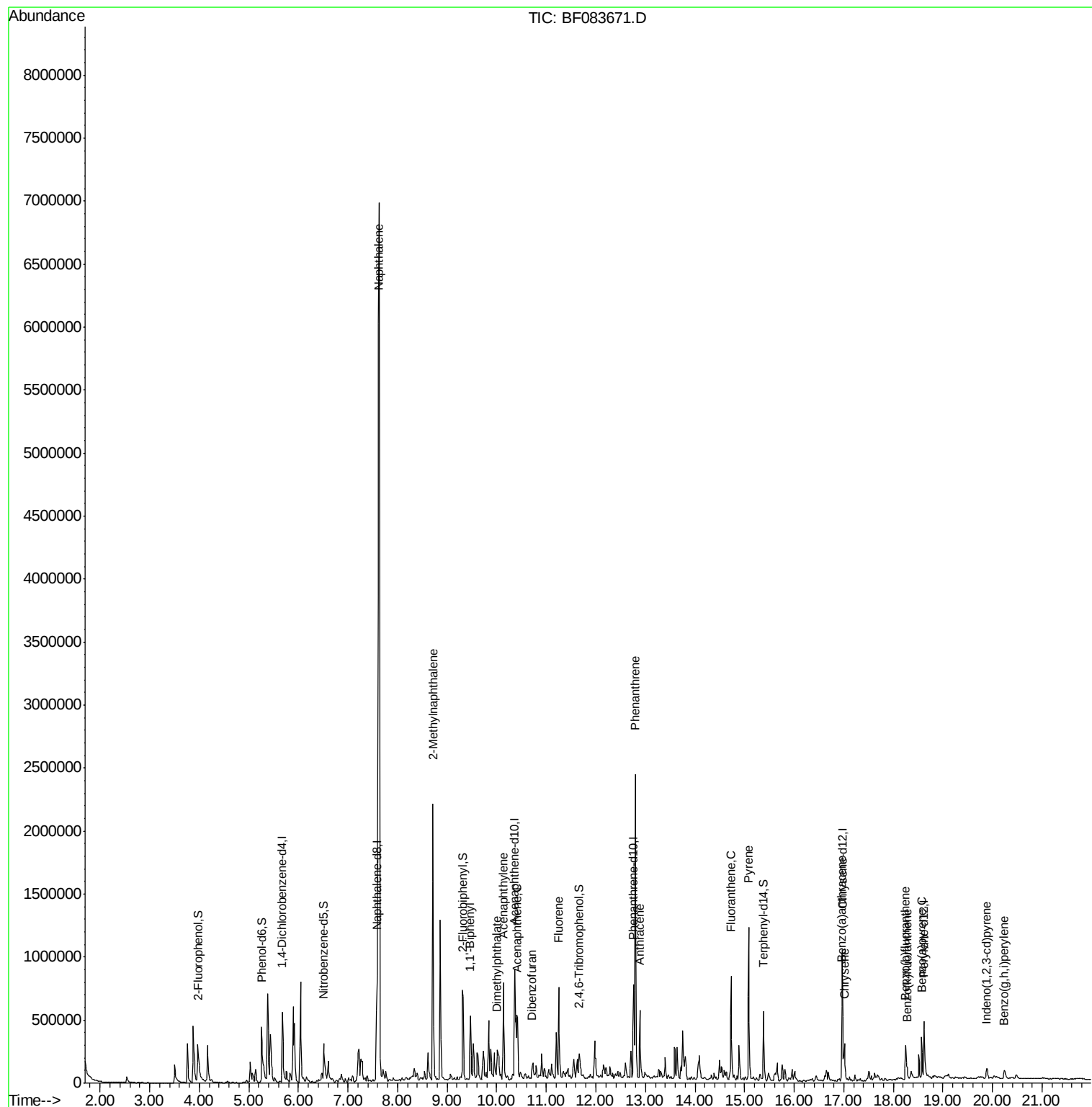
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083671.D
Acq On : 10 Dec 2015 7:44
Operator : UM/IZ
Sample : G4582-03DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

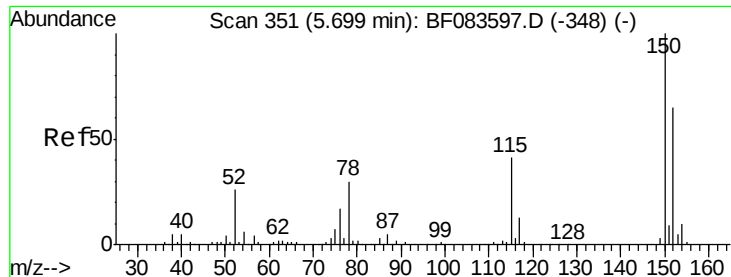
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

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Quant Time: Dec 10 12:19:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
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#1

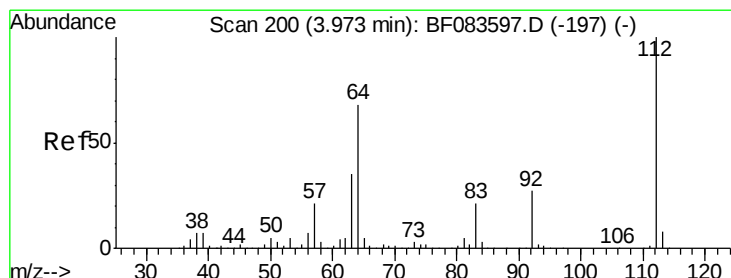
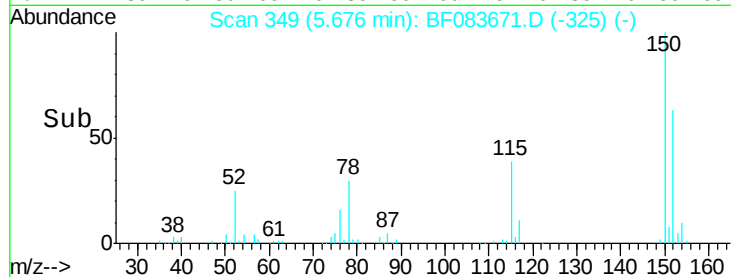
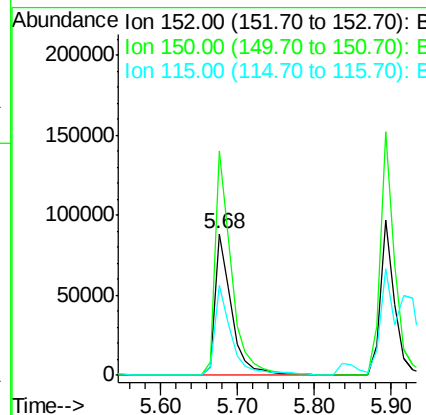
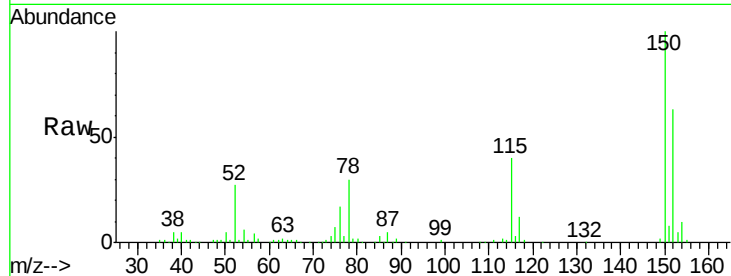
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.5	189.7
115	63.8	52.3	78.5

Manual Integrations
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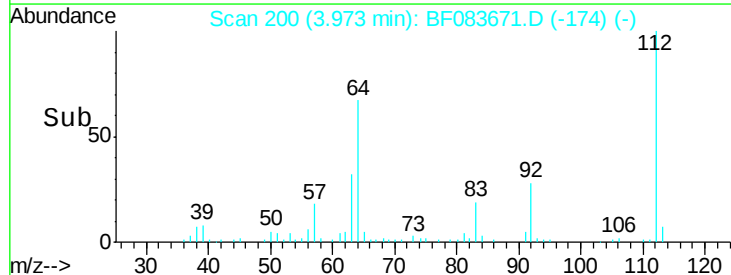
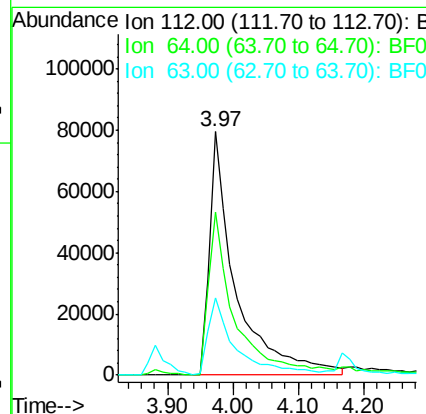
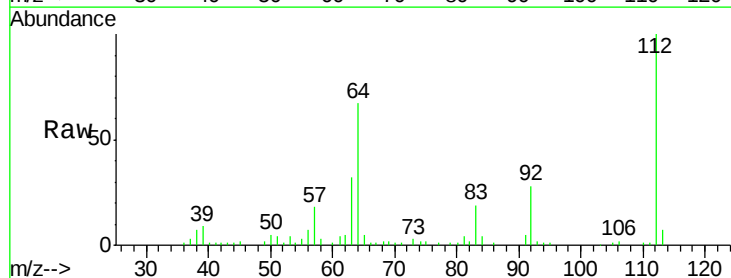
MMdadoda
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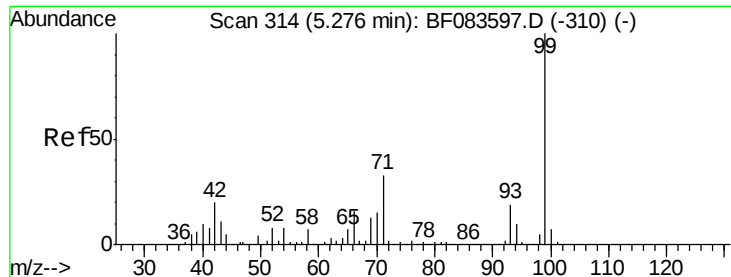


#5

2-Fluorophenol
Concen: 25.82 ng
RT: 3.97 min Scan# 200
Delta R.T. 0.00 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	50.5	75.7
63	31.9	25.8	38.6





#7

Phenol-d6

Concen: 32.65 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Instrument :

BNA_F

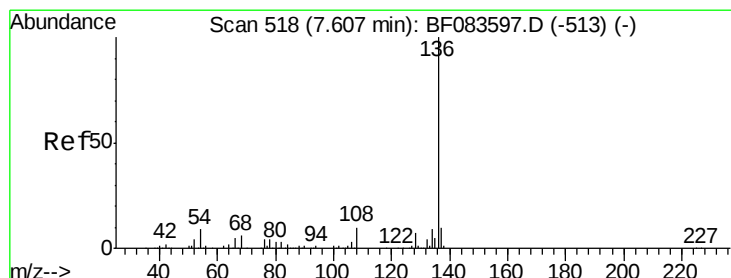
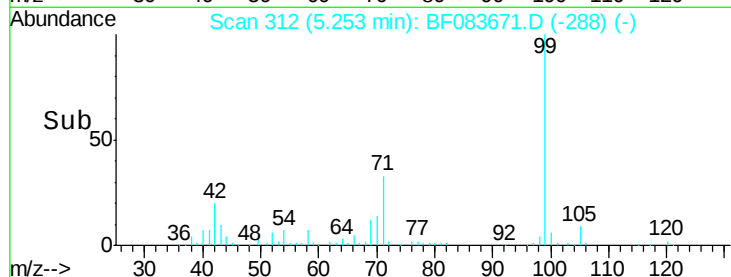
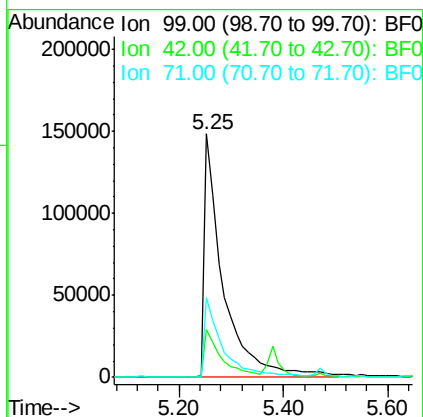
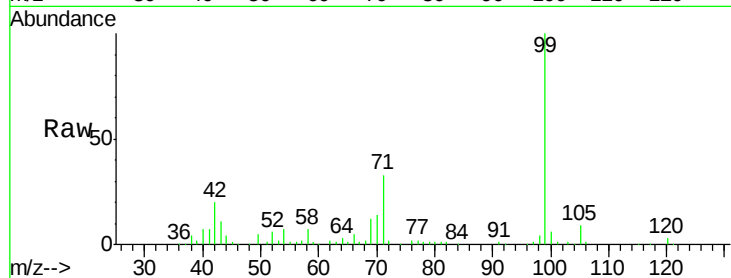
ClientSampleId :

SB-P3WC-02(8-11)DL

Tot Ion:	99	Resp:	376496
Ion Ratio	Lower	Upper	
99	100		
42	19.8	17.3	25.9
71	32.6	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

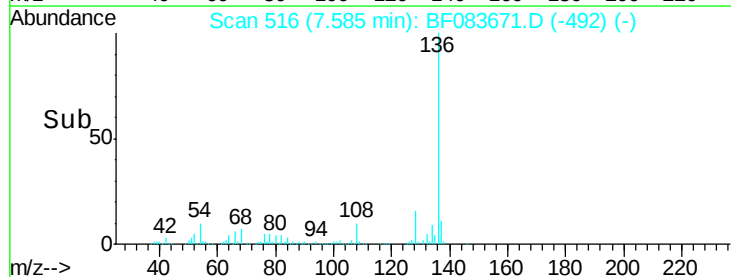
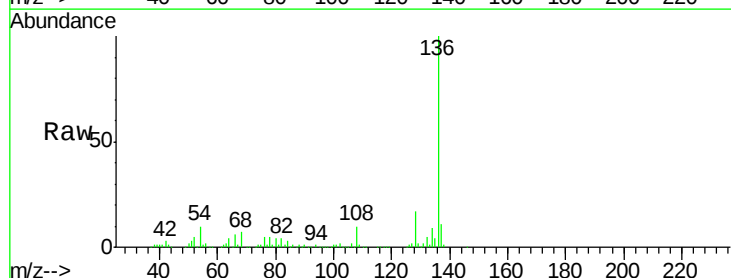
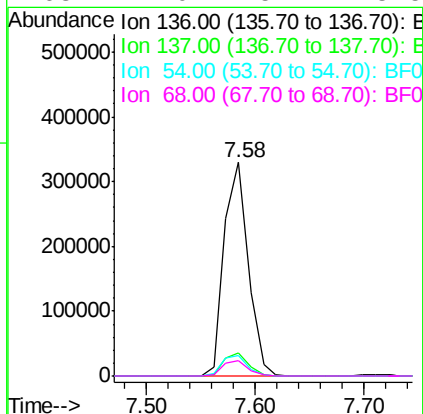
RT: 7.58 min Scan# 516

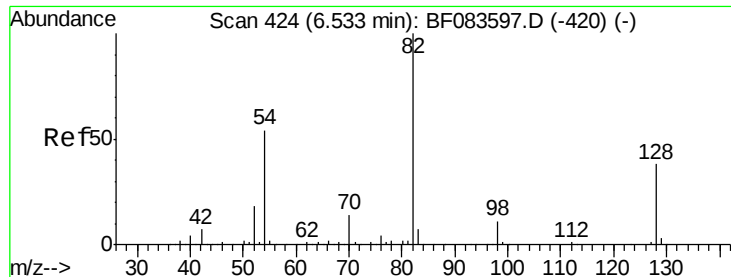
Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Tgt Ion:	136	Resp:	506461
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	9.6	7.8	11.6
68	7.0	5.7	8.5





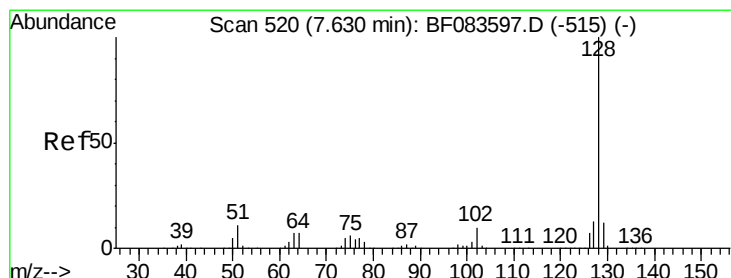
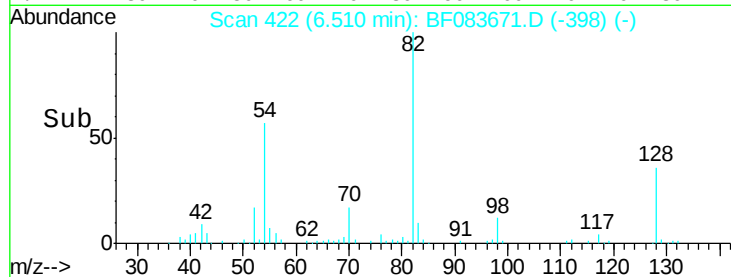
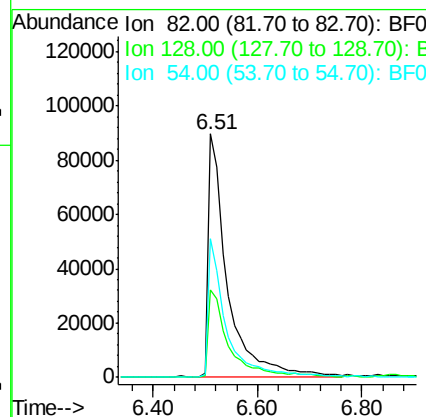
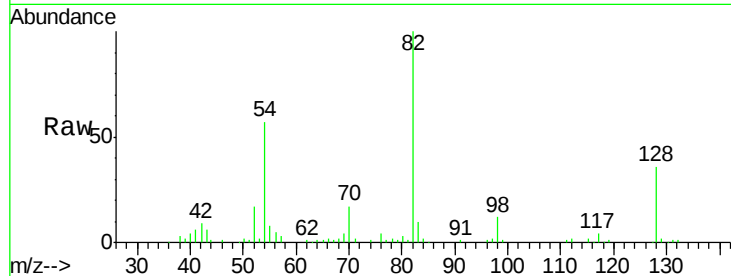
#23
Nitrobenzene-d5
Concen: 21.32 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	30.7	46.1
54	56.7	42.5	63.7

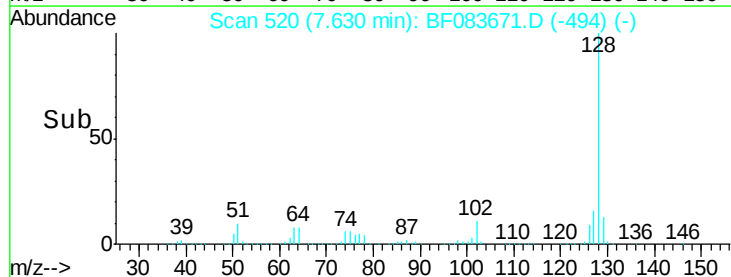
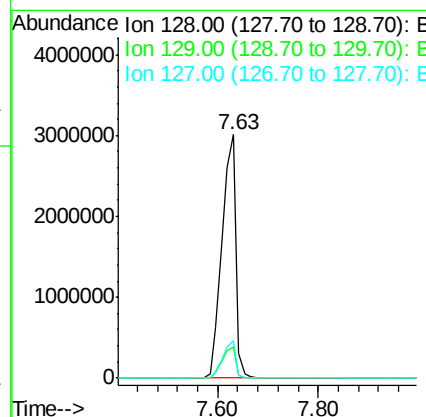
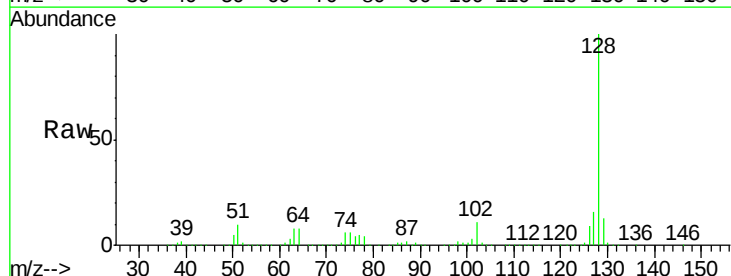
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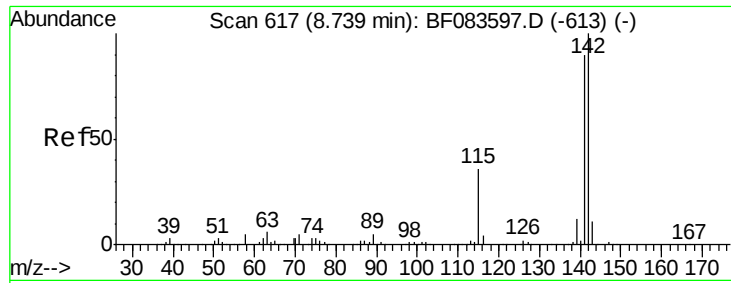
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#31
Naphthalene
Concen: 214.70 ng
RT: 7.63 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.6	13.0#
127	15.6	10.6	16.0





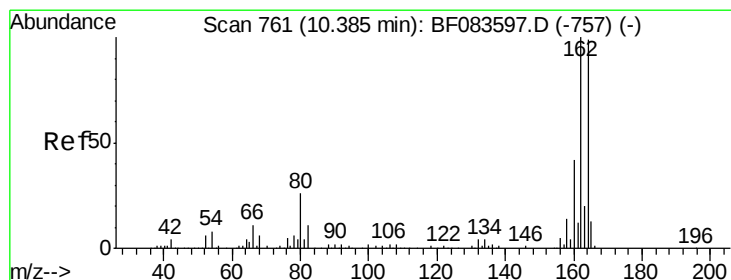
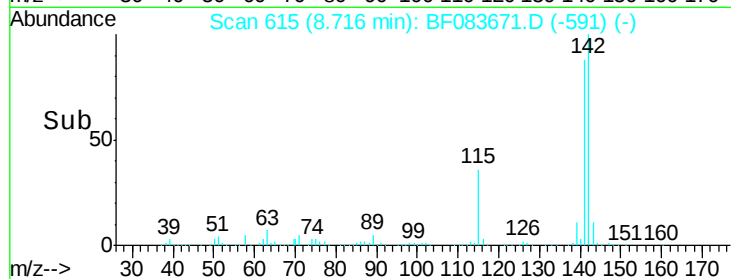
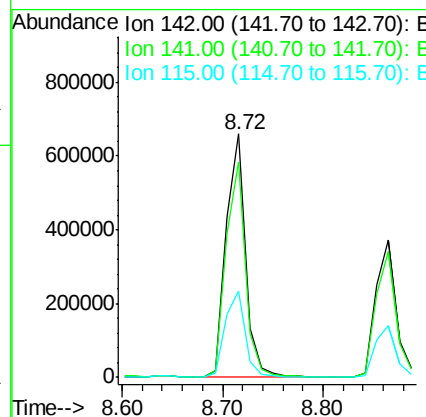
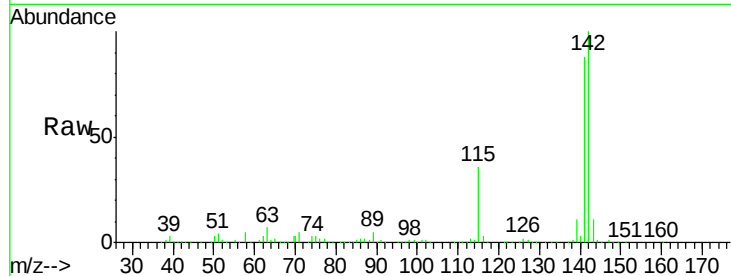
#37
2-Methylnaphthalene
Concen: 52.30 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	881288		
141	88.5	70.3	105.5	
115	35.6	29.2	43.8	

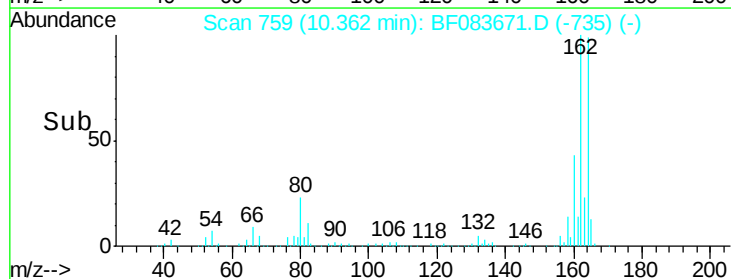
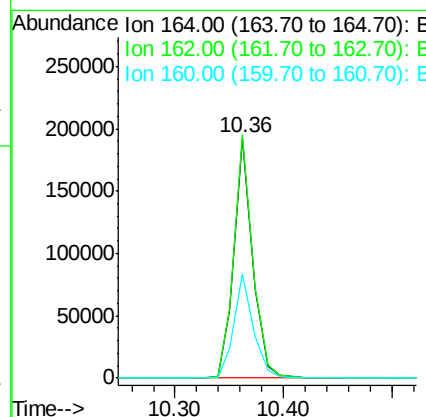
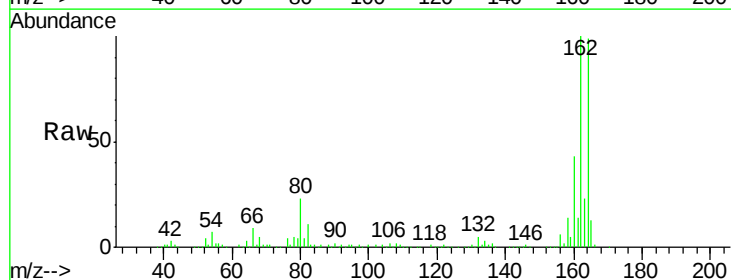
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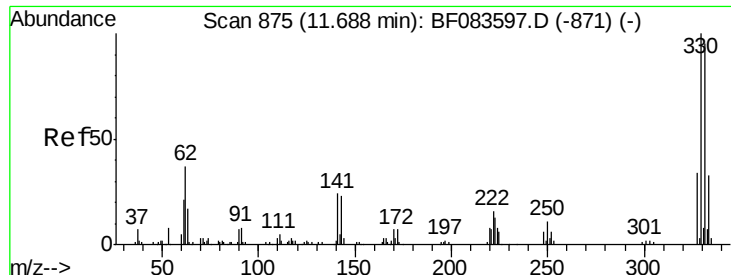
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229347		
162	101.4	78.8	118.2	
160	43.5	33.4	50.2	





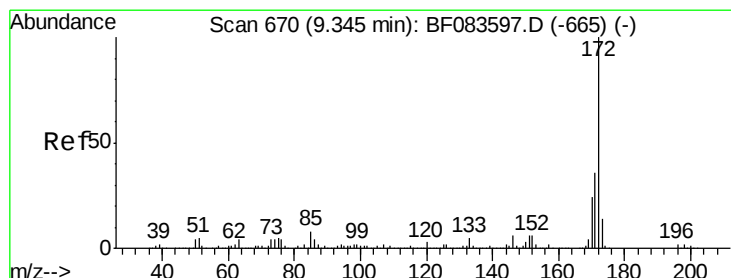
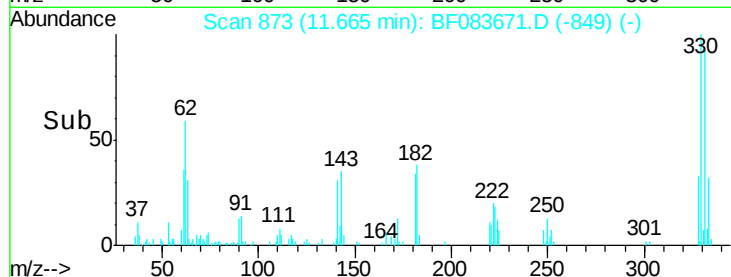
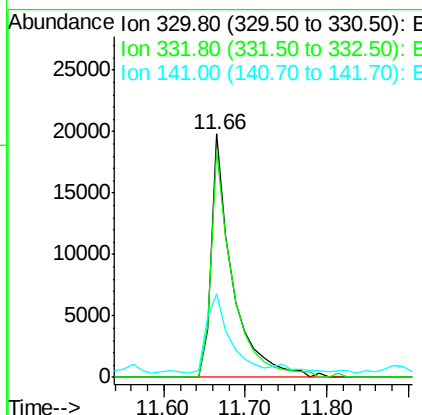
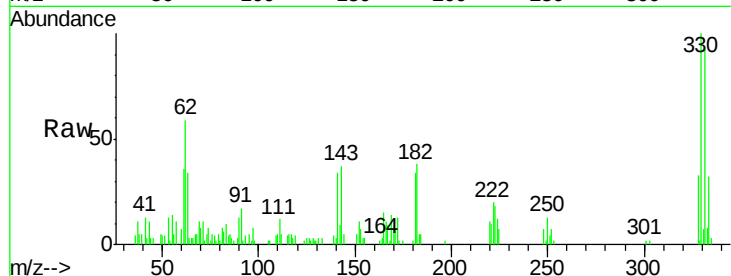
#41
 2,4,6-Tribromophenol
 Concen: 17.47 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.0	0.0	0.0#
141	35.8	0.0	0.0#

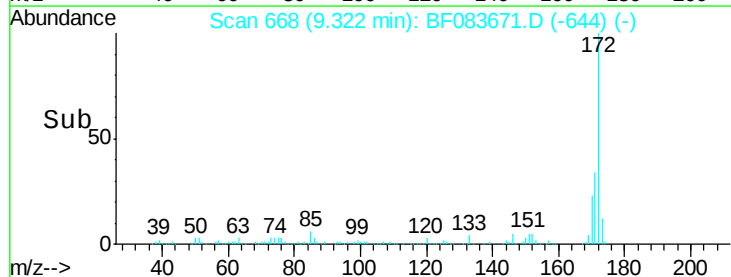
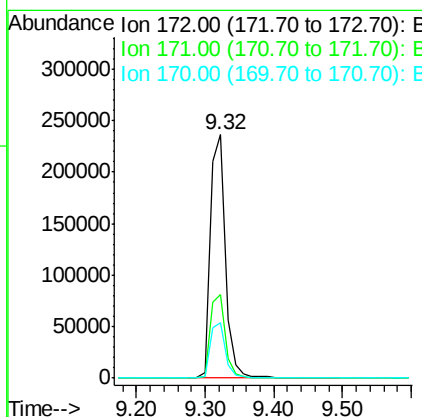
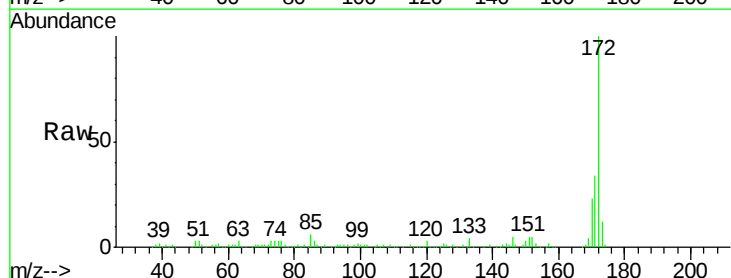
Manual Integrations
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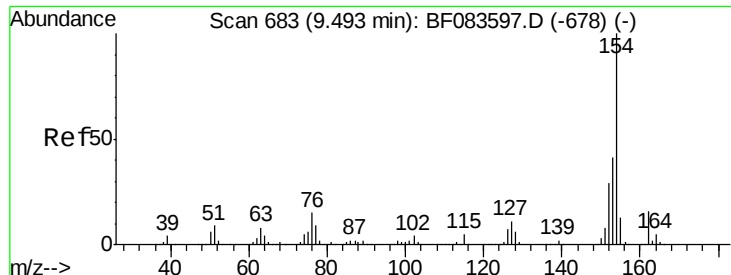
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#44
 2-Fluorobiphenyl
 Concen: 22.51 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.1	28.6	42.8
170	22.9	19.4	29.0





#45

1,1'-Biphenyl

Concen: 11.02 ng

RT: 9.47 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Instrument :

BNA_F

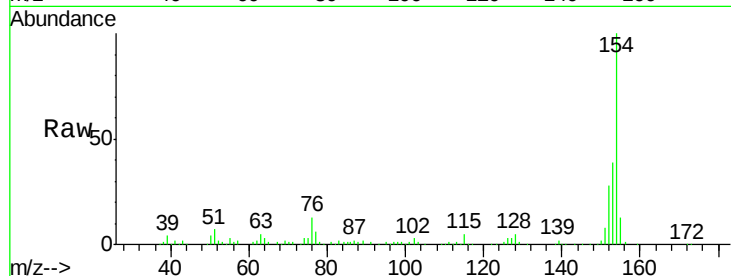
ClientSampleId :

SB-P3WC-02(8-11)DL

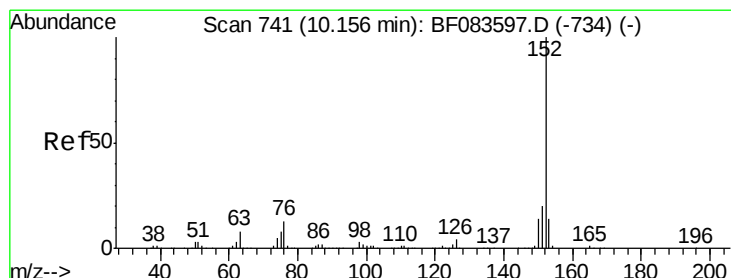
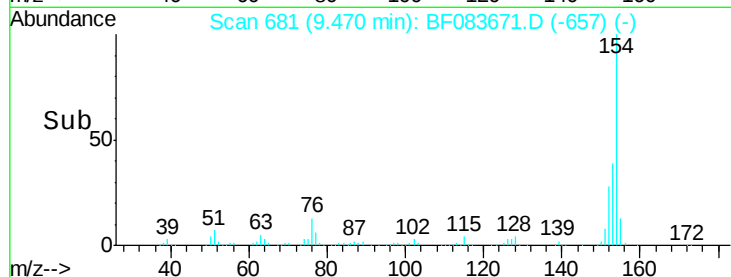
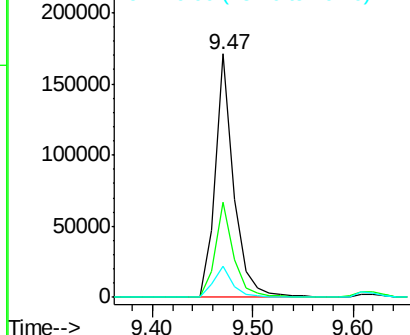
Tot Ion:	154	Resp:	219658
Ion Ratio	Lower	Upper	
154	100		
153	39.2	20.2	60.2
76	12.8	0.0	34.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 18.58 ng

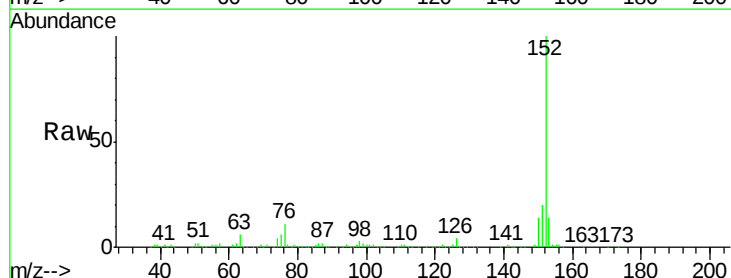
RT: 10.13 min Scan# 739

Delta R.T. -0.02 min

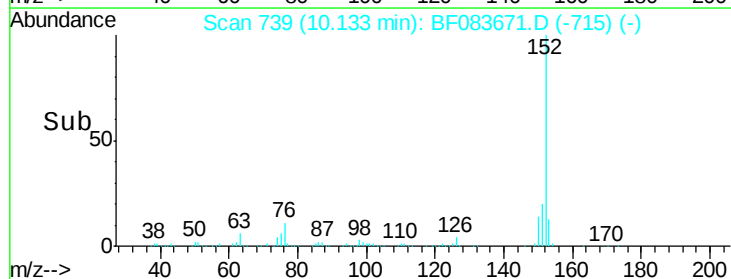
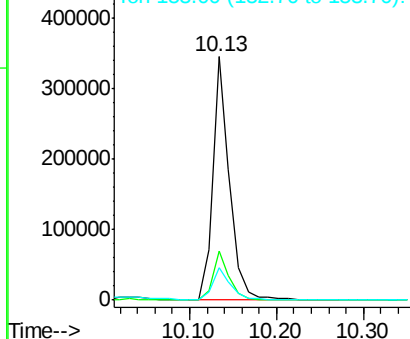
Lab File: BF083671.D

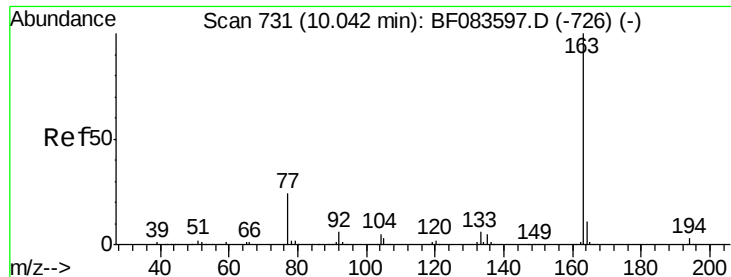
Acq: 10 Dec 2015 7:44

Tgt Ion:	152	Resp:	461035
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.3	24.5
153	13.5	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





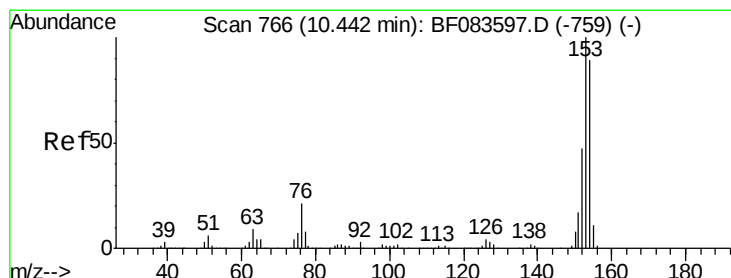
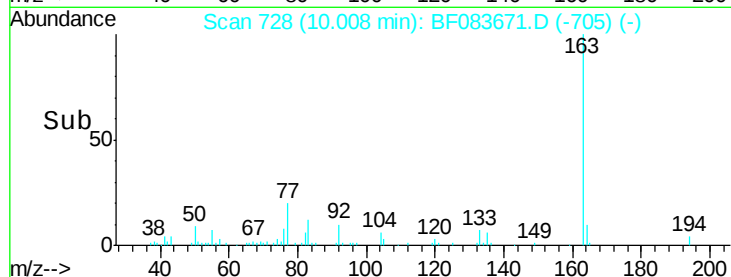
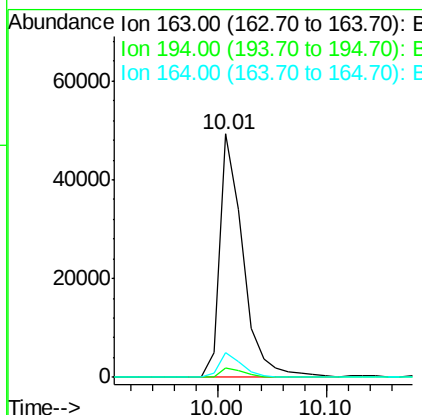
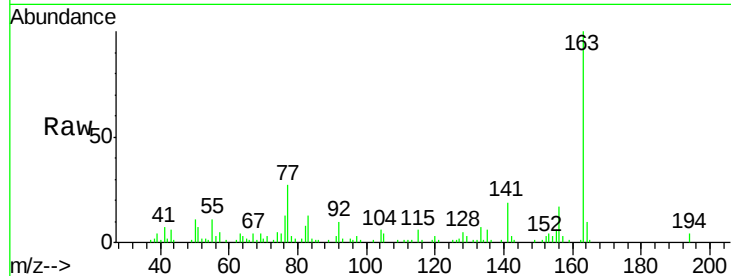
#49
Dimethylphthalate
Concen: 4.02 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	73325		
194	3.6		2.8	4.2
164	10.1		8.6	13.0

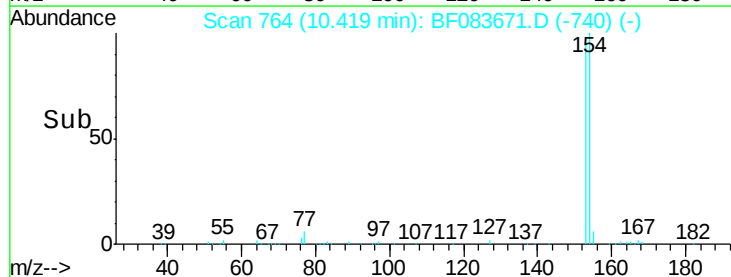
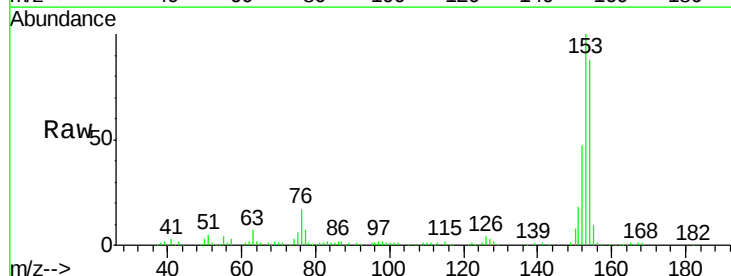
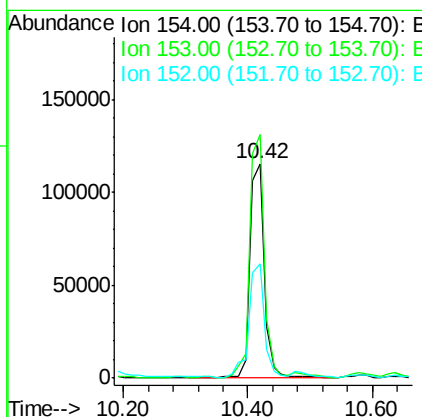
Manual Integrations
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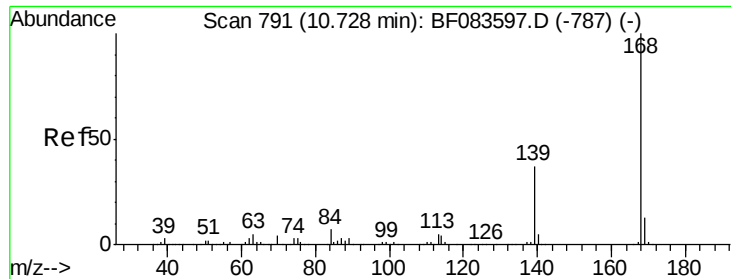
MMdadoda
12/10/2015 5:50:45 PM



#51
Acenaphthene
Concen: 13.38 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	190128		
153	113.5		91.4	137.0
152	53.5		43.4	65.2





#54

Dibenzenofuran

Concen: 2.13 ng

RT: 10.72 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Instrument :

BNA_F

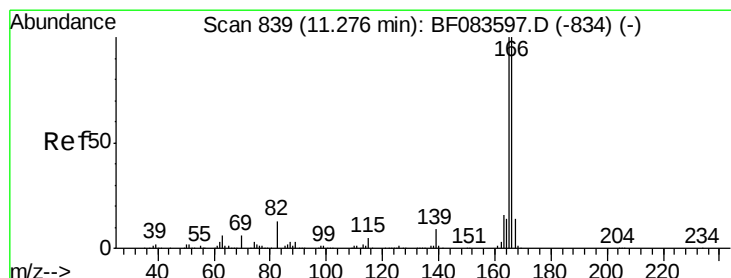
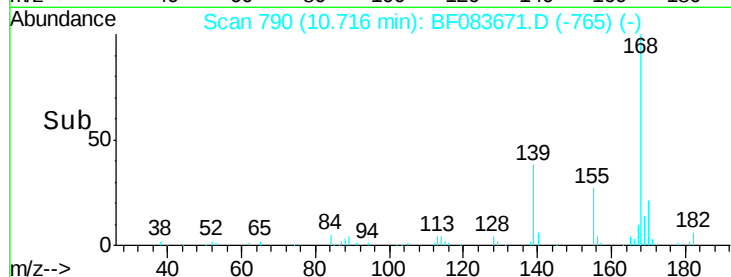
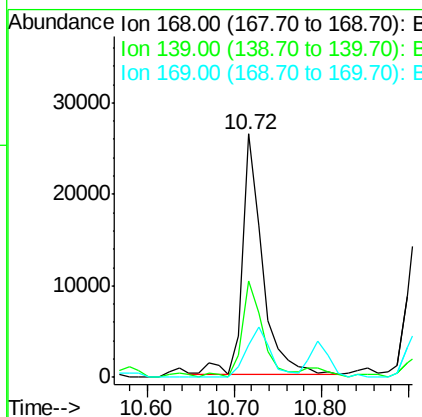
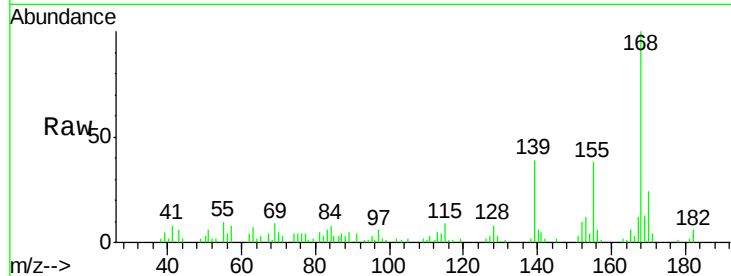
ClientSampleId :

SB-P3WC-02(8-11)DL

Tot Ion:	168	Resp:	41891
Ion Ratio		Lower	Upper
168	100		
139	39.5	28.0	42.0
169	13.4	10.8	16.2

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#57

Fluorene

Concen: 18.70 ng

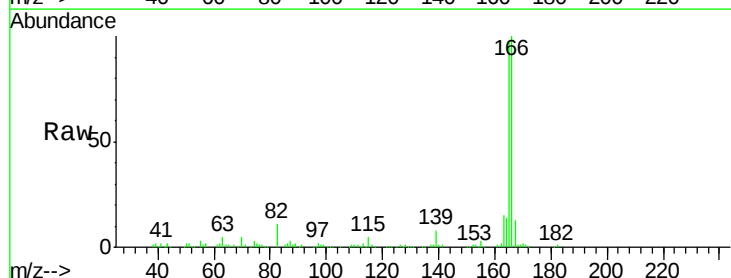
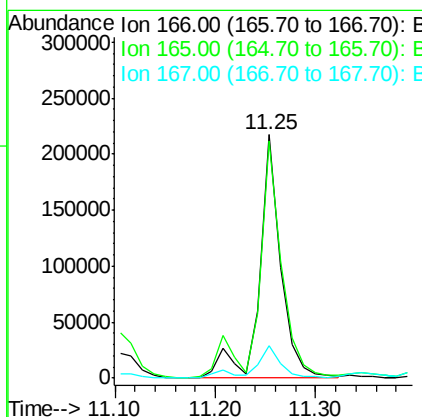
RT: 11.25 min Scan# 837

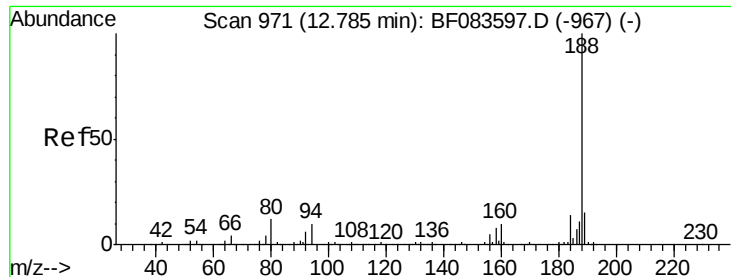
Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Tgt Ion:	166	Resp:	321615
Ion Ratio		Lower	Upper
166	100		
165	97.3	80.0	120.0
167	13.3	10.6	16.0





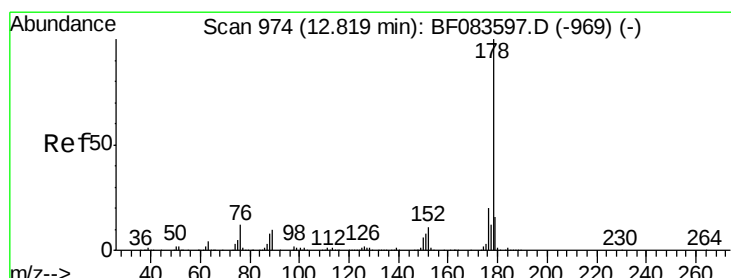
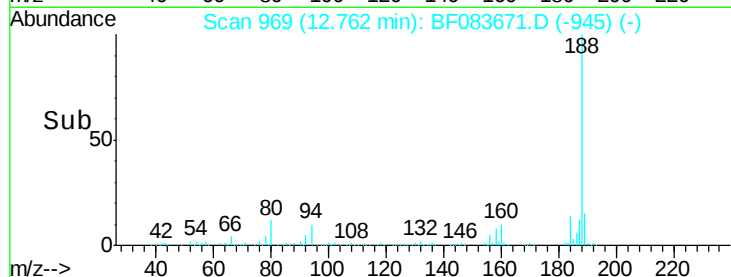
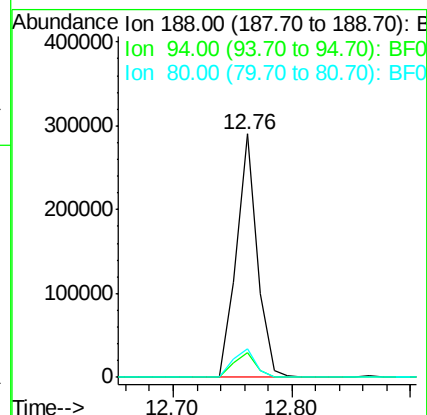
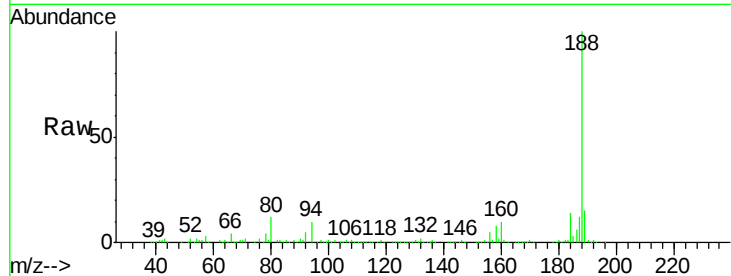
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	9.4	14.2
80	11.7	10.6	16.0

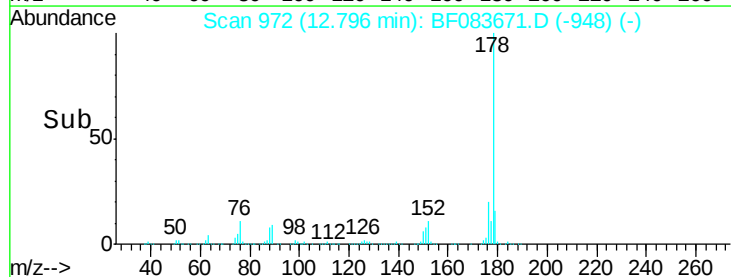
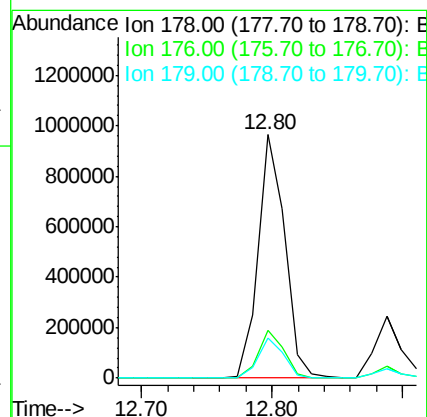
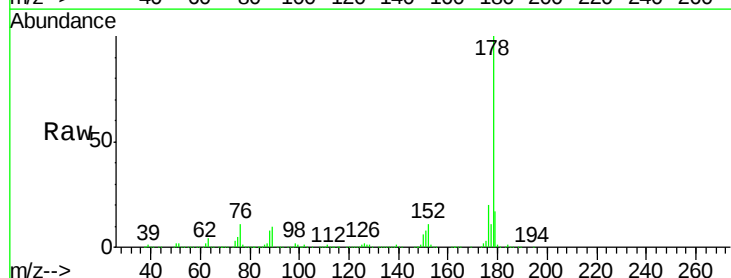
Manual Integrations
APPROVED

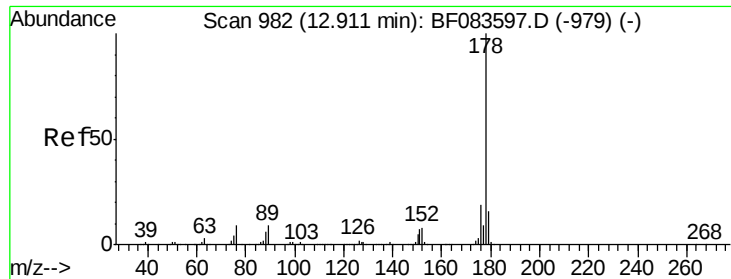
MMdadoda
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#70
Phenanthrene
Concen: 67.70 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.7	23.5
179	16.5	12.2	18.4





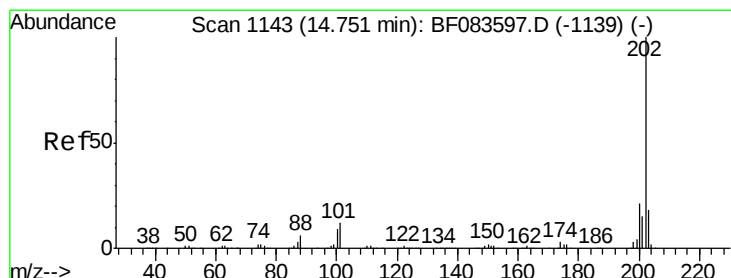
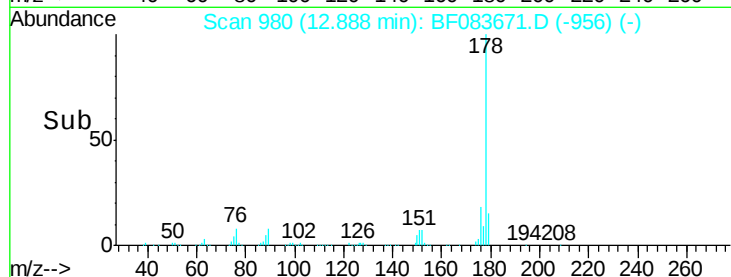
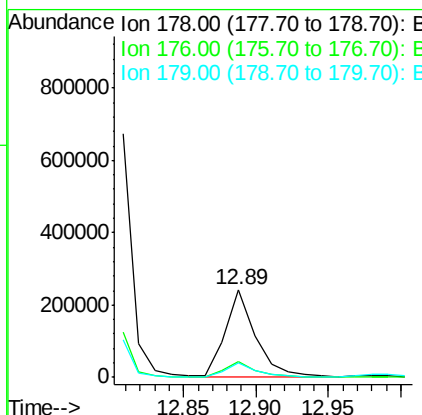
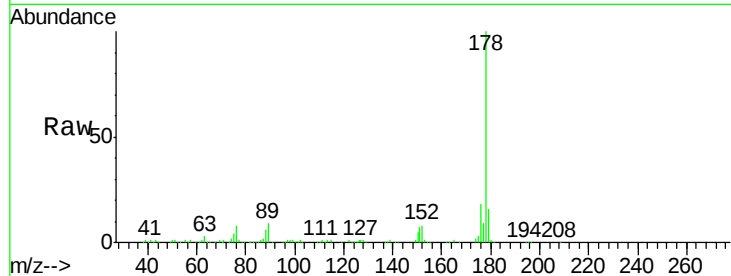
#71
 Anthracene
 Concen: 16.41 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.9	12.6	18.8

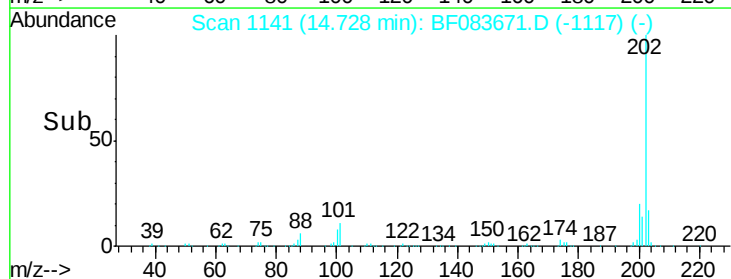
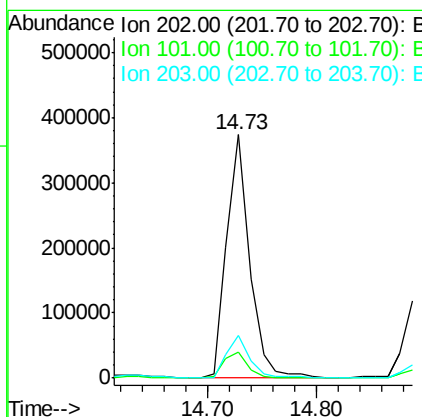
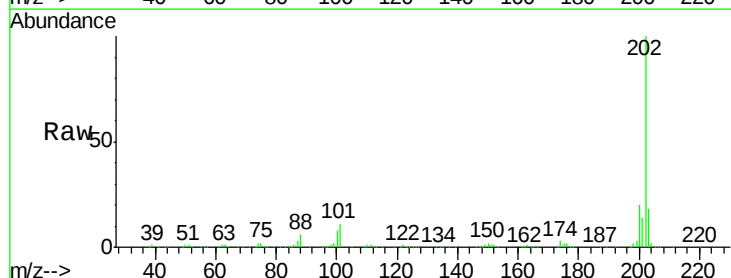
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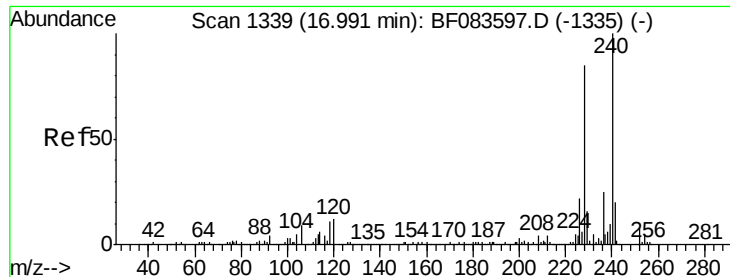
MMdadoda
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#74
 Fluoranthene
 Concen: 26.06 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Instrument :

BNA_F

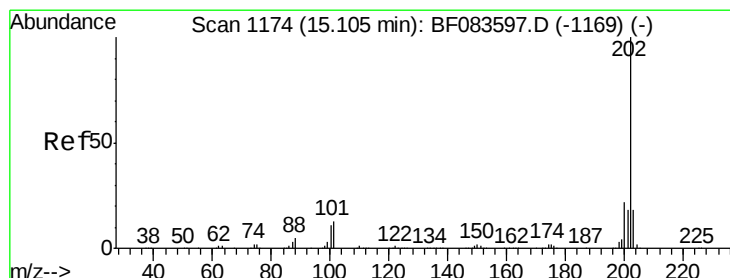
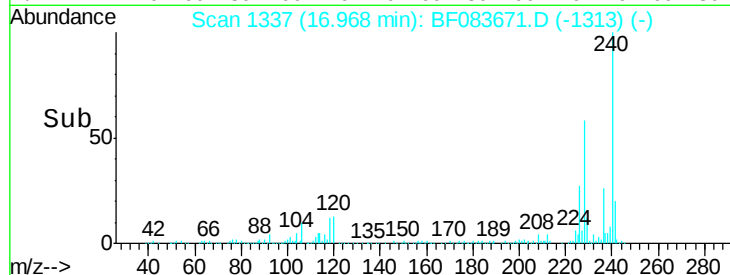
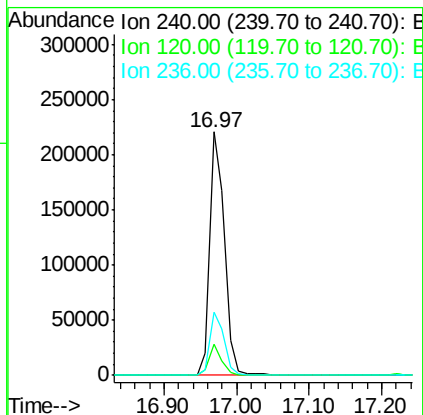
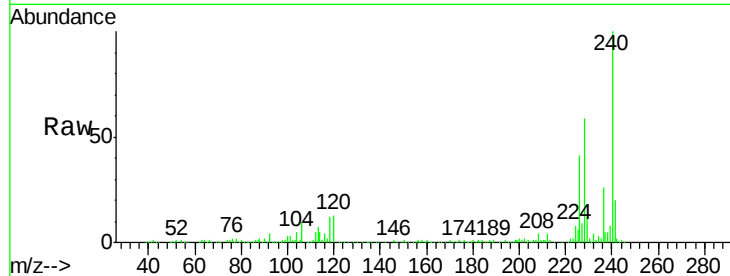
ClientSampleId :

SB-P3WC-02(8-11)DL

Tot Ion:	240	Resp:	309889
Ion Ratio	Lower	Upper	
240	100		
120	12.6	8.1	12.1#
236	25.9	20.8	31.2

Manual Integrations
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#77

Pyrene

Concen: 33.57 ng

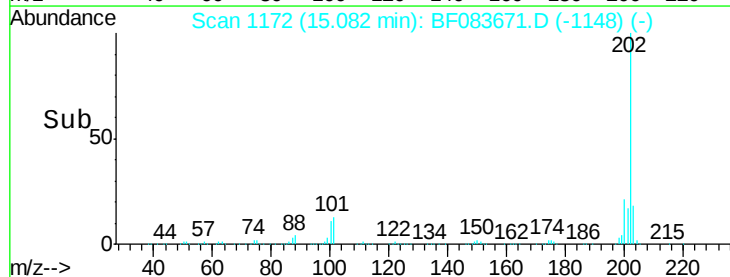
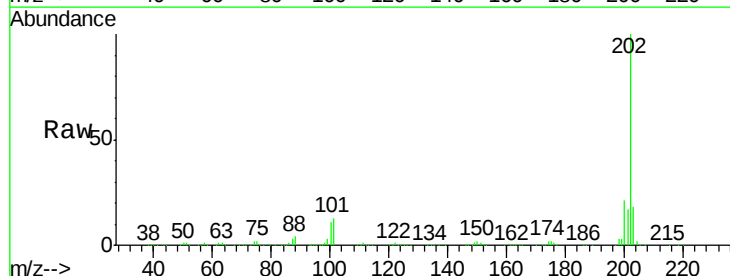
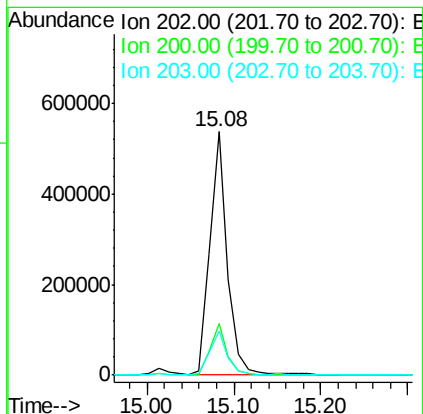
RT: 15.08 min Scan# 1172

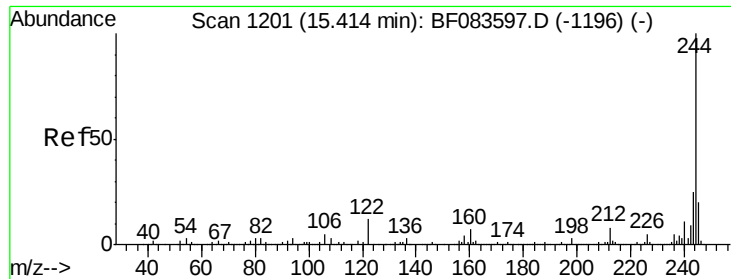
Delta R.T. -0.02 min

Lab File: BF083671.D

Acq: 10 Dec 2015 7:44

Tgt Ion:	202	Resp:	748969
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	18.1	14.3	21.5





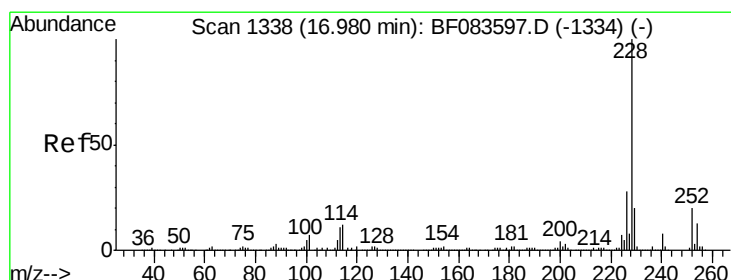
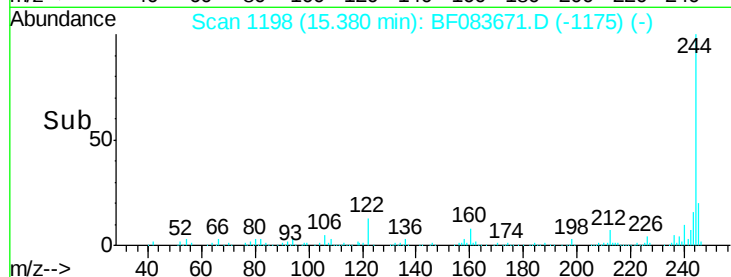
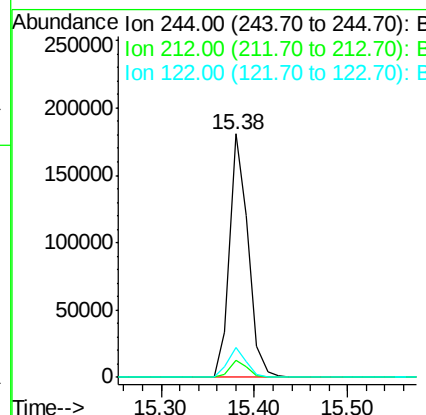
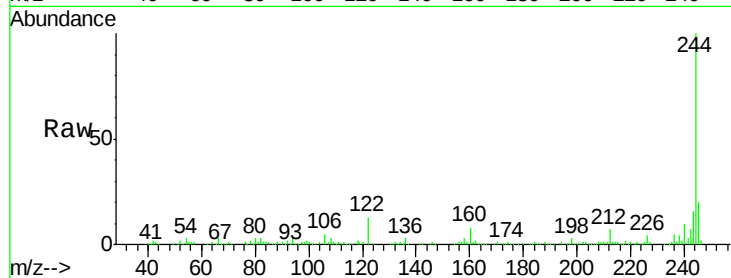
#78
 Terphenyl-d14
 Concen: 19.01 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.5	11.0	16.6

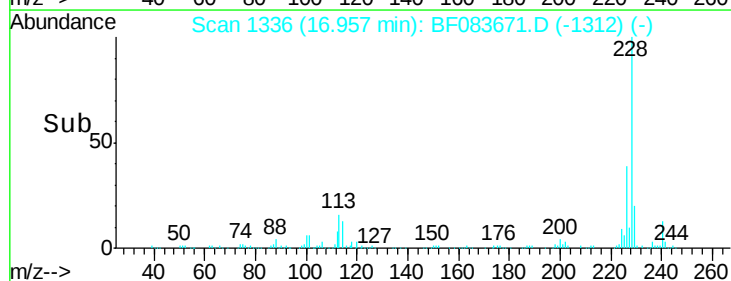
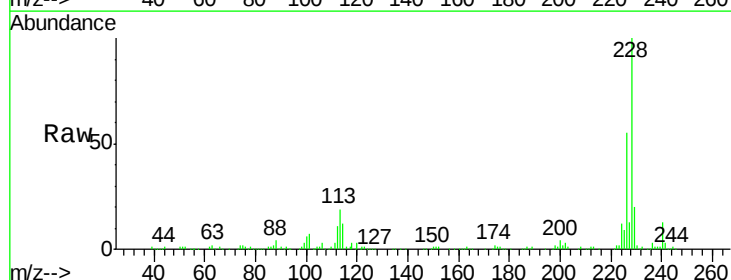
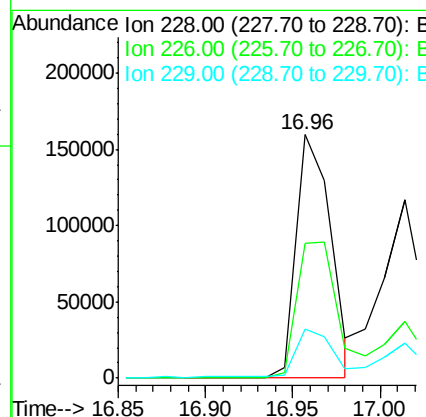
Manual Integrations
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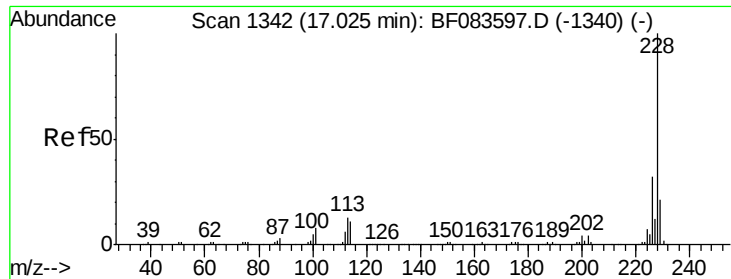
MMdadoda
 12/10/2015 5:50:45 PM



#80
 Benzo(a)anthracene
 Concen: 12.28 ng m
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	55.2	22.3	33.5#
229	20.1	15.7	23.5





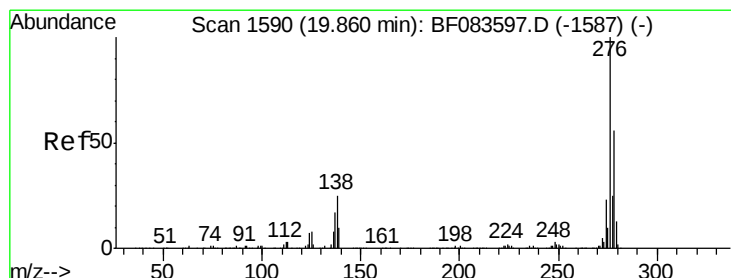
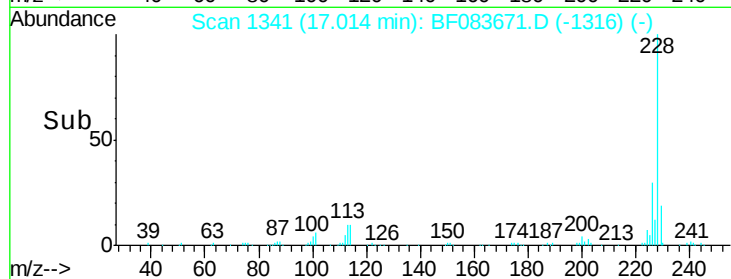
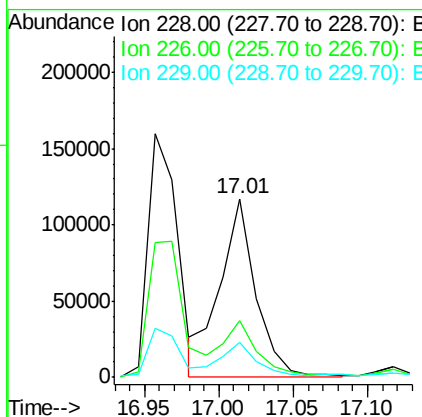
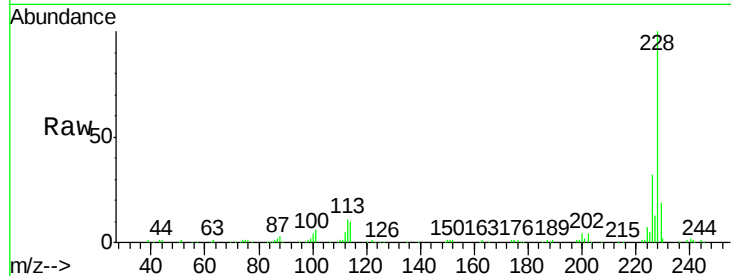
#82
Chrysene
Concen: 11.03 ng/mL
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion:	228	Resp:	200584
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.7	37.1
229	19.2	16.3	24.5

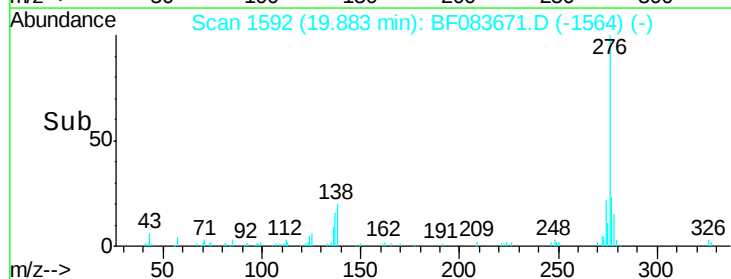
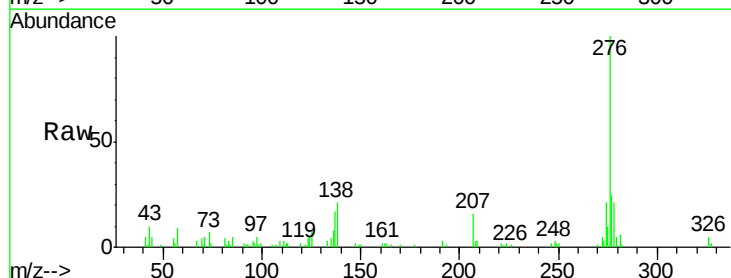
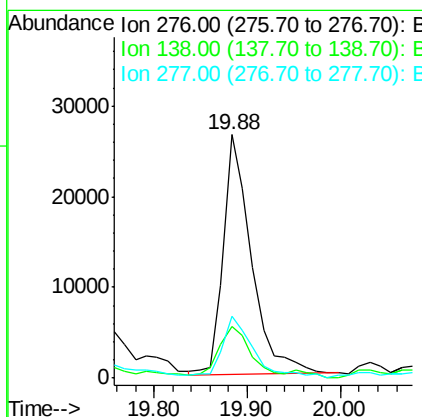
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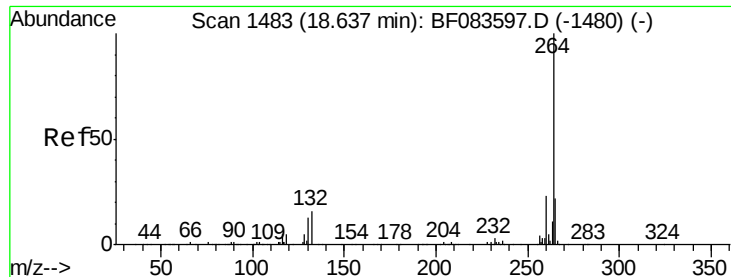
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.52 ng/mL
RT: 19.88 min Scan# 1592
Delta R.T. 0.02 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion:	276	Resp:	55435
Ion Ratio	Lower	Upper	
276	100		
138	21.2	0.0	0.0#
277	28.7	0.0	0.0#





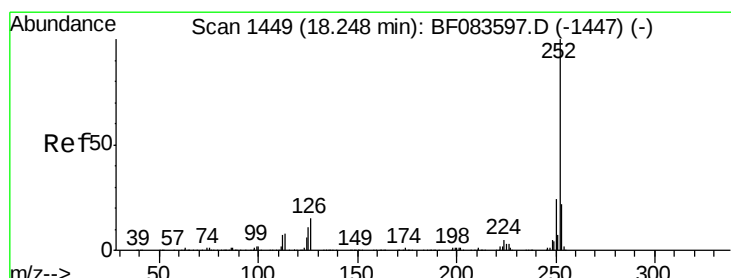
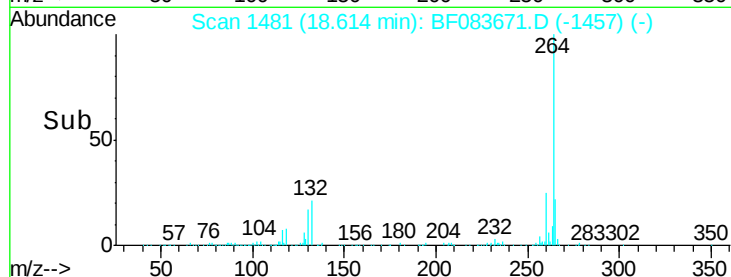
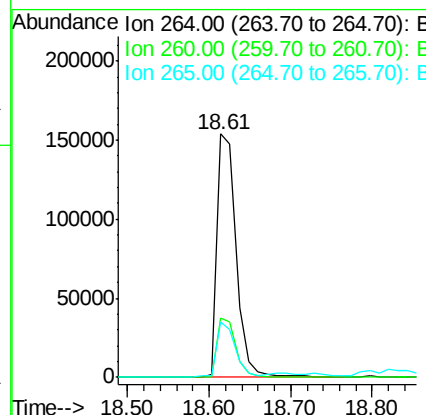
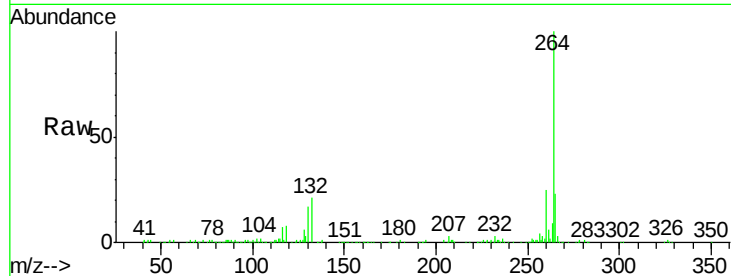
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 18.61 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	22.7	17.8	26.6

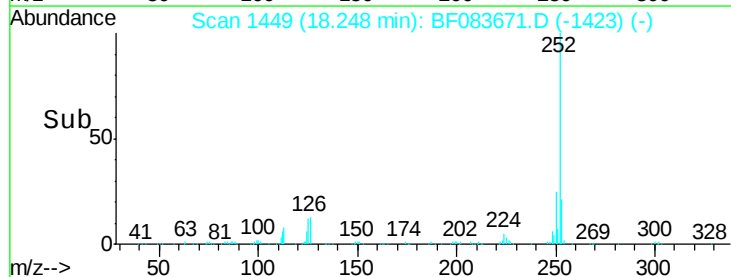
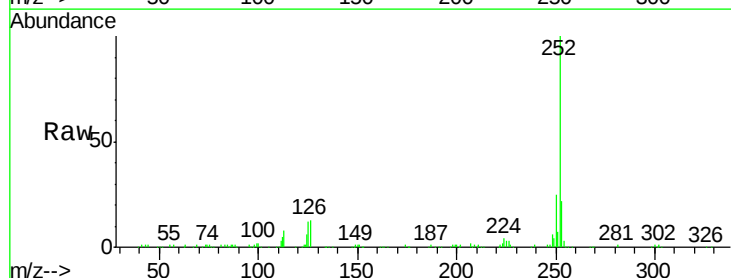
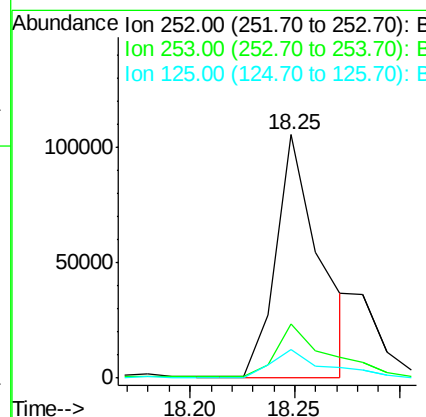
Manual Integrations
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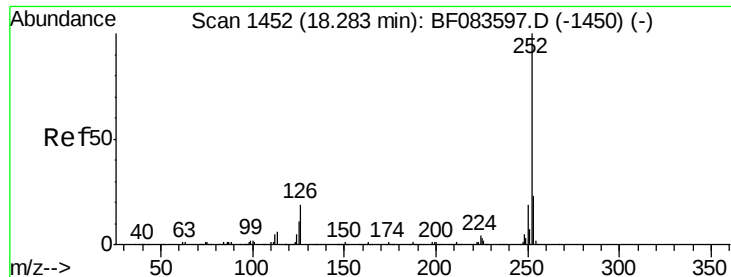
MMdadoda
 12/10/2015 5:50:45 PM



#87
 Benzo(b)fluoranthene
 Concen: 10.75 ng m
 RT: 18.25 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.0	8.2	12.4





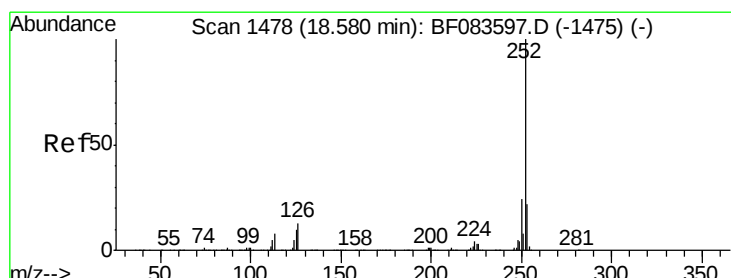
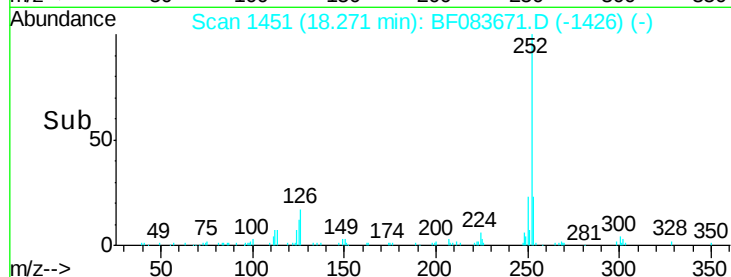
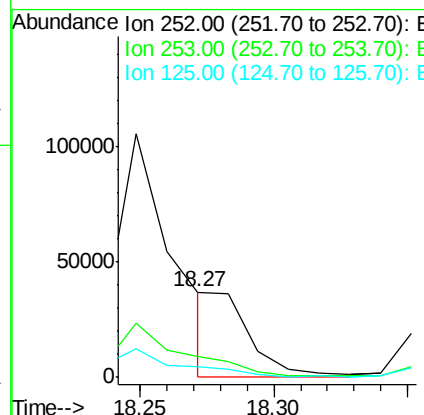
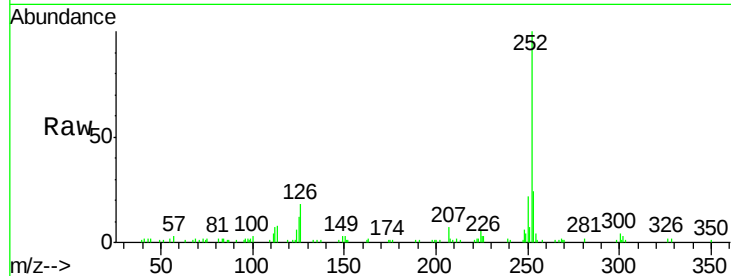
#88
Benzo(k)fluoranthene
Concen: 2.34 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	12.3	11.5	17.3

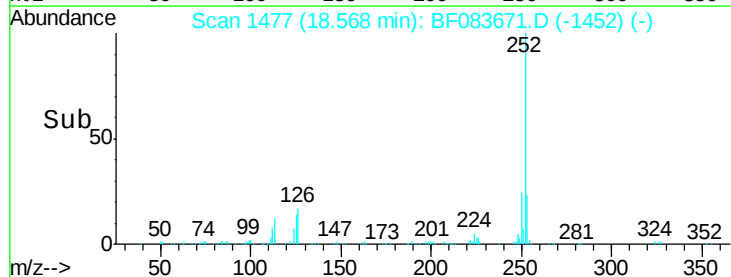
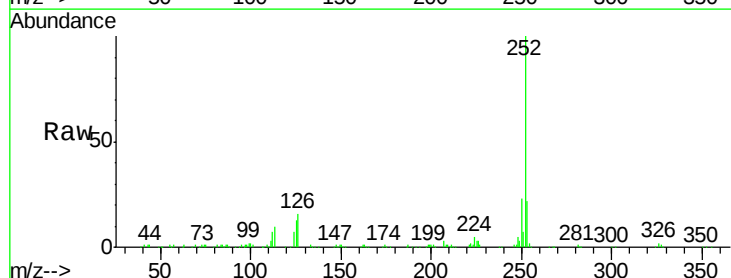
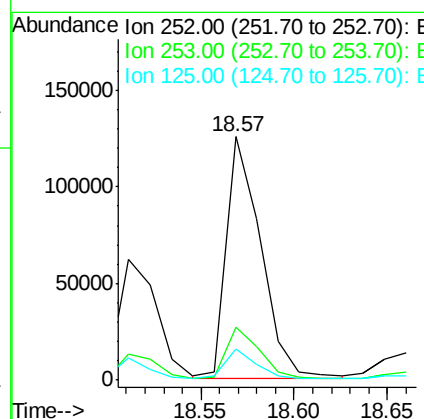
Manual Integrations
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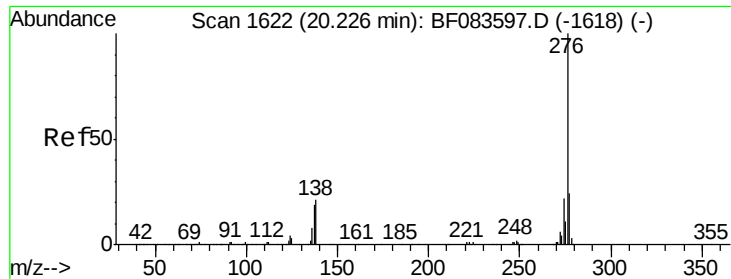
MMdadoda
12/10/2015 5:50:45 PM



#89
Benzo(a)pyrene
Concen: 11.61 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083671.D
Acq: 10 Dec 2015 7:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.8	11.0	16.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.90 ng
 RT: 20.24 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF083671.D
 Acq: 10 Dec 2015 7:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	25.1	19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:45 PM

