

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083674.D
 Acq On : 10 Dec 2015 9:15
 Operator : UM/IZ
 Sample : G4582-05DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)DL

Manual Integrations
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Quant Time: Dec 10 12:35:13 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	132745	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	513854	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	237169	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	365468	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	308874	20.00	ng	-0.02
86) Perylene-d12	18.63	264	250289	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.97	112	278607	31.83	ng	0.00
7) Phenol-d6	5.25	99	395884	33.85	ng	-0.02
23) Nitrobenzene-d5	6.51	82	243711	22.13	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	47643	22.55	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	371943	22.07	ng	-0.02
78) Terphenyl-d14	15.38	244	250322	19.07	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1887067	69.34	ng	98
37) 2-Methylnaphthalene	8.72	142	368410	21.55	ng	97
45) 1,1'-Biphenyl	9.47	154	173803	8.43	ng	98
48) Acenaphthylene	10.14	152	54399	2.12	ng	# 96
49) Dimethylphthalate	10.01	163	62341	3.30	ng	98
51) Acenaphthene	10.42	154	581965	39.61	ng	98
57) Fluorene	11.25	166	291173	16.37	ng	97
70) Phenanthrene	12.80	178	1174259	55.92	ng	99
71) Anthracene	12.89	178	256984	11.81	ng	98
74) Fluoranthene	14.73	202	404505	18.83	ng	99
77) Pyrene	15.08	202	573023	25.77	ng	99
80) Benzo(a)anthracene	16.96	228	176342m	9.75	ng	
82) Chrysene	17.01	228	123614	6.82	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	35864	2.93	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	96984m	6.80	ng	
88) Benzo(k)fluoranthene	18.28	252	32208m	2.05	ng	
89) Benzo(a)pyrene	18.58	252	115305m	8.29	ng	
91) Benzo(g,h,i)perylene	20.25	276	45774	4.41	ng	96

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

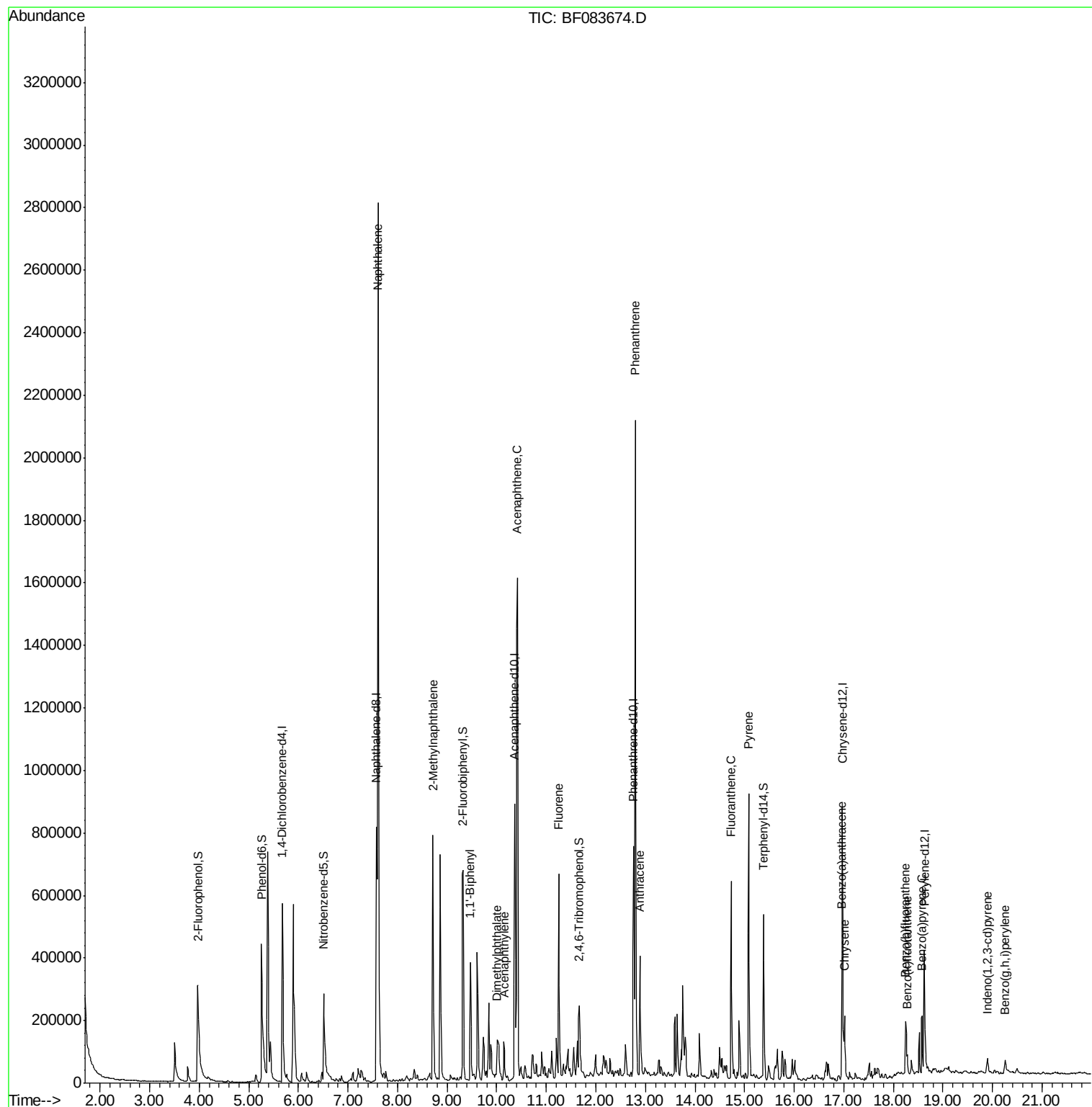
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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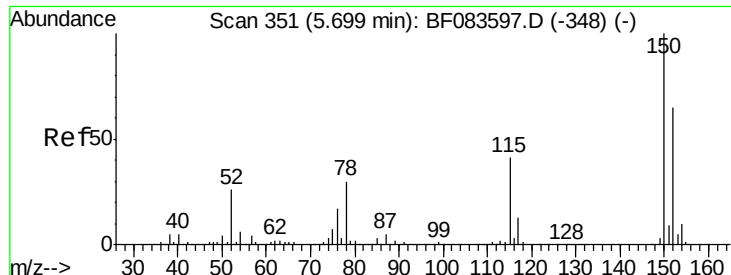
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

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Quant Time: Dec 10 12:35:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
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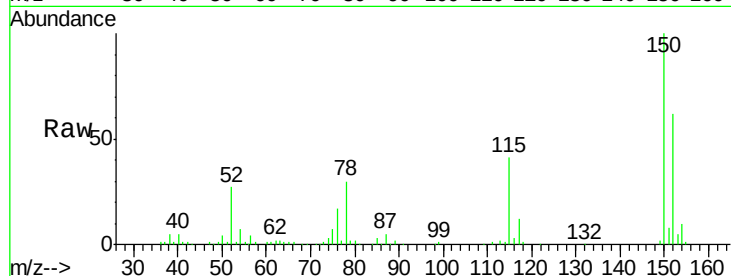




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

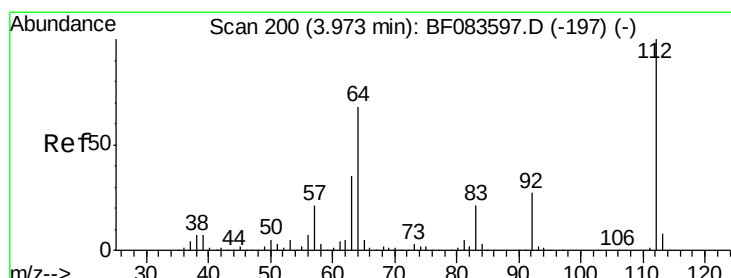
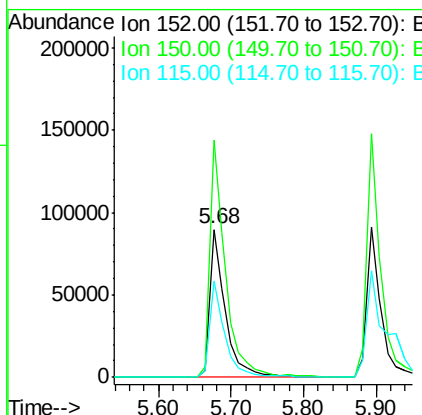
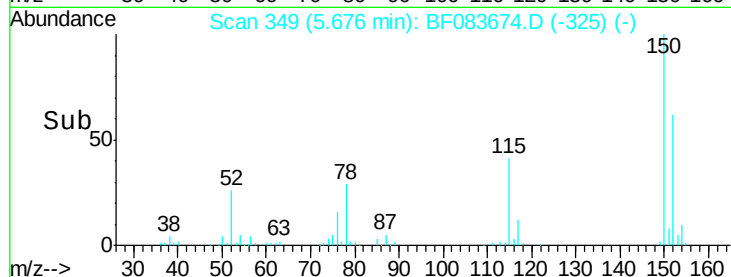
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL



Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.5	189.7
115	65.2	52.3	78.5

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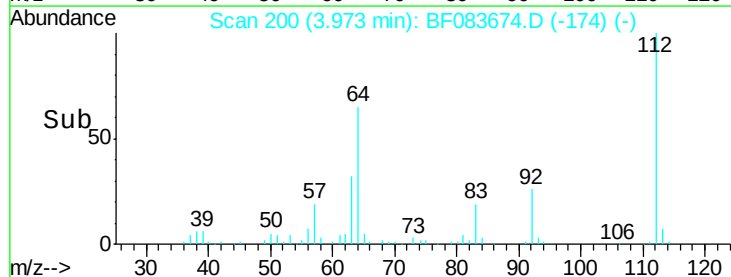
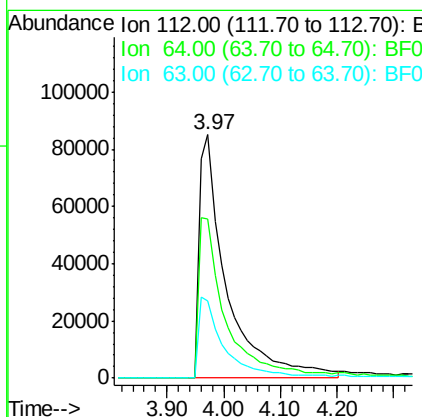
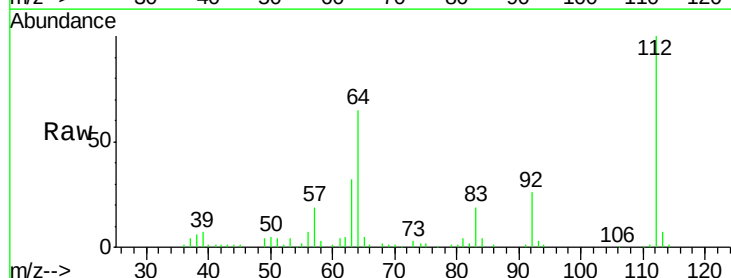
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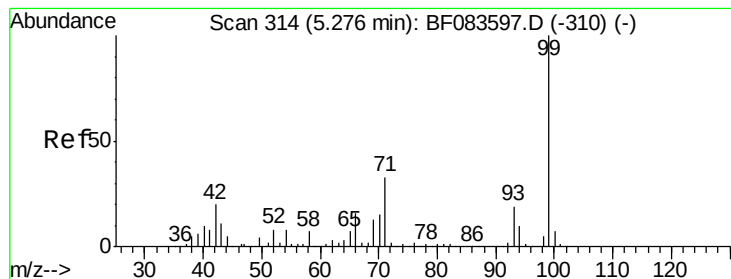


#5

2-Fluorophenol
Concen: 31.83 ng
RT: 3.97 min Scan# 200
Delta R.T. 0.00 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	50.5	75.7
63	31.7	25.8	38.6





#7

Phenol-d6

Concen: 33.85 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083674.D

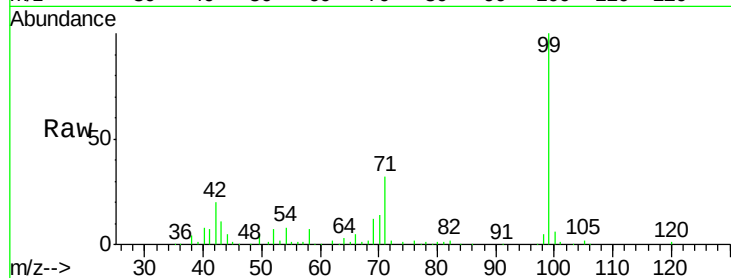
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Instrument :

BNA_F

ClientSampleId :

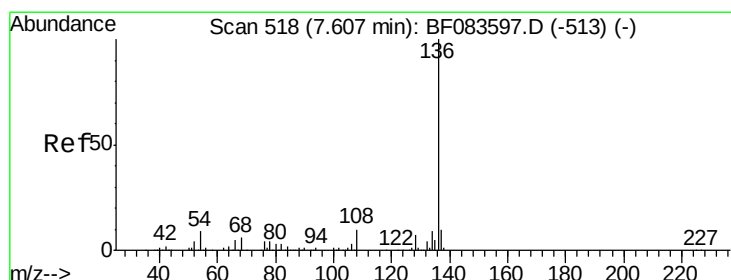
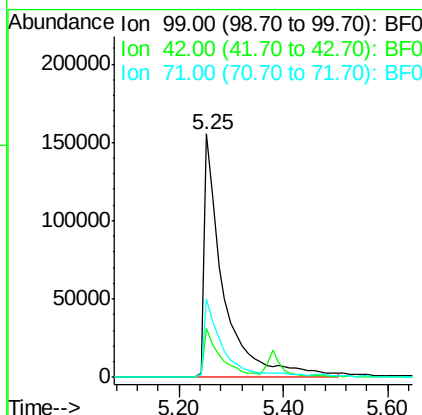
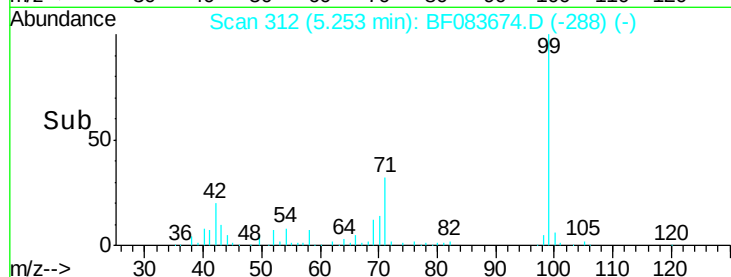
SB-P3WC-03(8-15)DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		395884		
42	20.1	17.3	25.9		
71	32.5	26.6	40.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

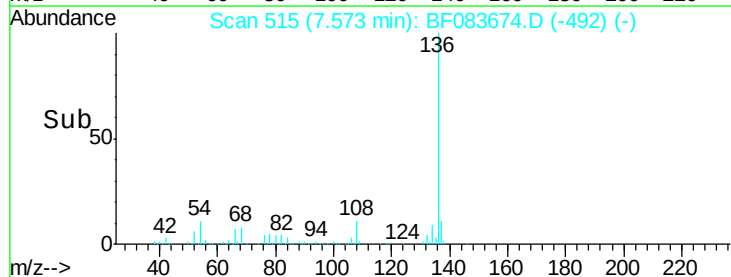
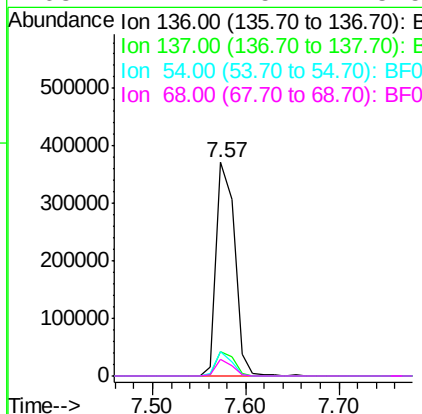
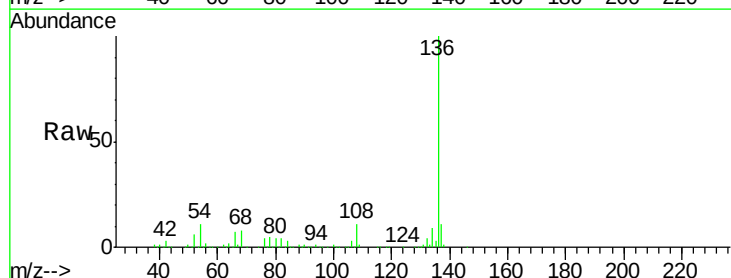
RT: 7.57 min Scan# 515

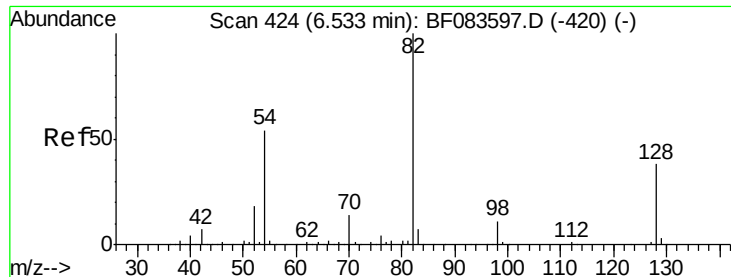
Delta R.T. -0.03 min

Lab File: BF083674.D

Acq: 10 Dec 2015 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		513854		
137	11.4	8.7	13.1		
54	11.5	7.8	11.6		
68	7.7	5.7	8.5		





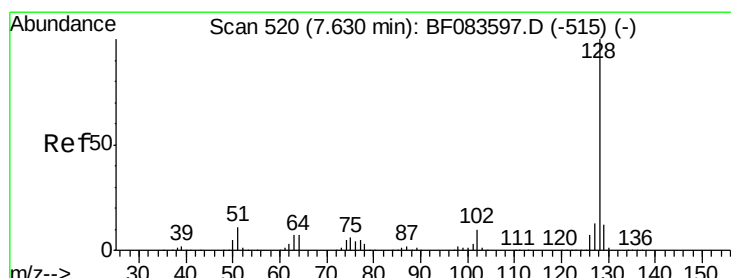
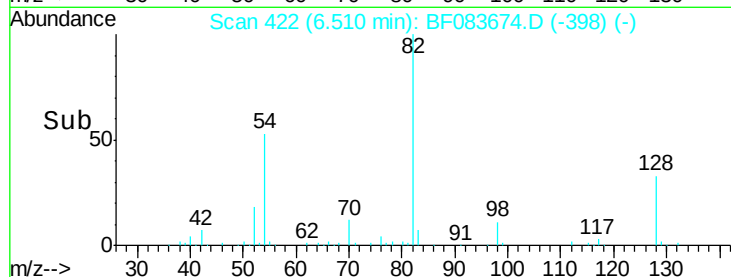
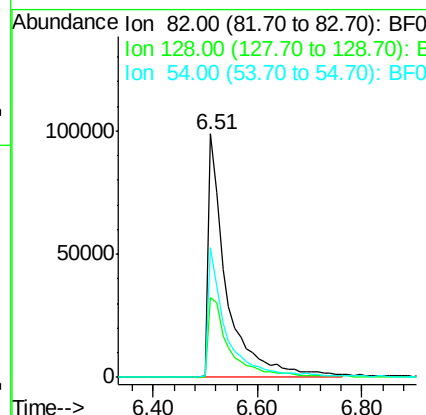
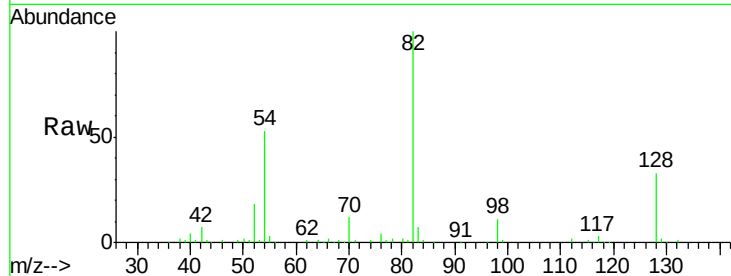
#23
Nitrobenzene-d5
Concen: 22.13 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	243711		
128	32.7	30.7	46.1	
54	53.2	42.5	63.7	

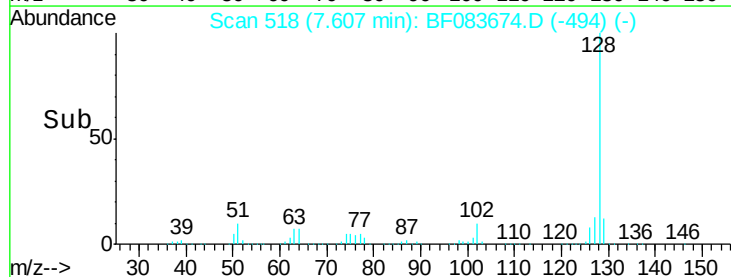
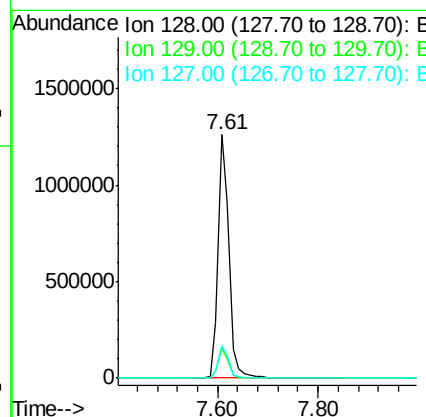
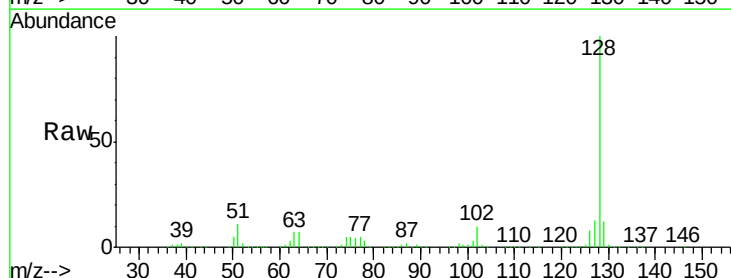
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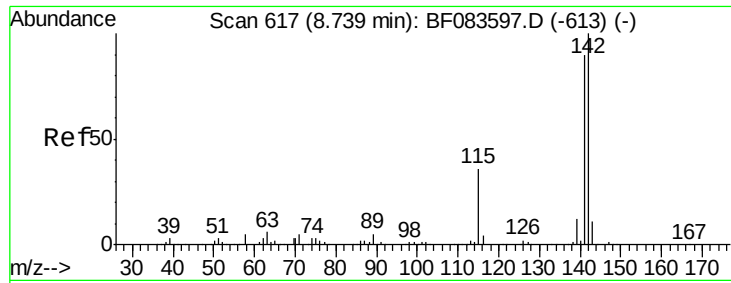
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#31
Naphthalene
Concen: 69.34 ng
RT: 7.61 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1887067		
129	12.0	8.6	13.0	
127	13.4	10.6	16.0	





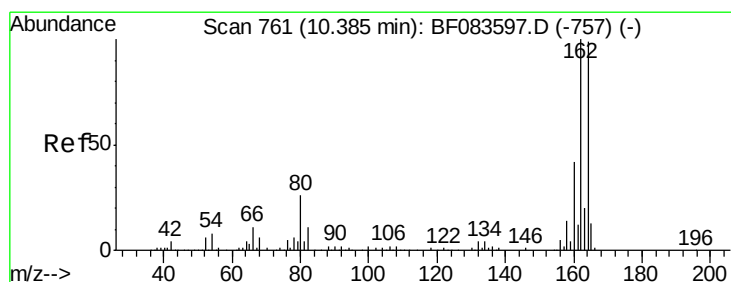
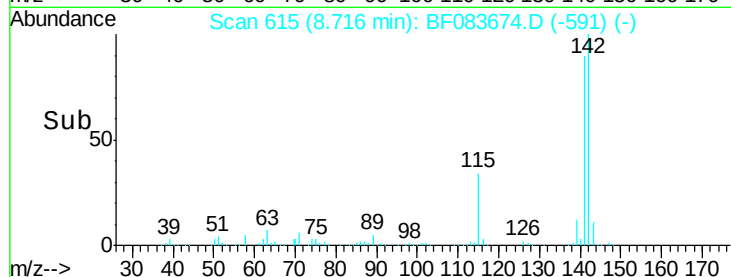
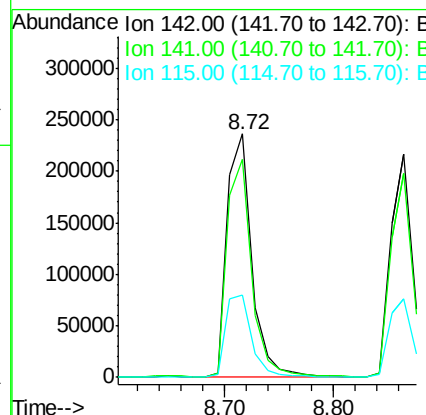
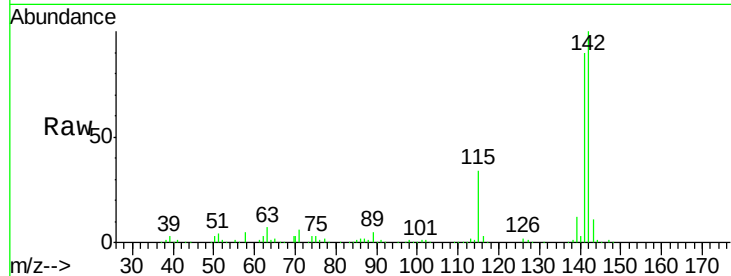
#37
2-Methylnaphthalene
Concen: 21.55 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	368410		
141	89.6	70.3	105.5	
115	33.9	29.2	43.8	

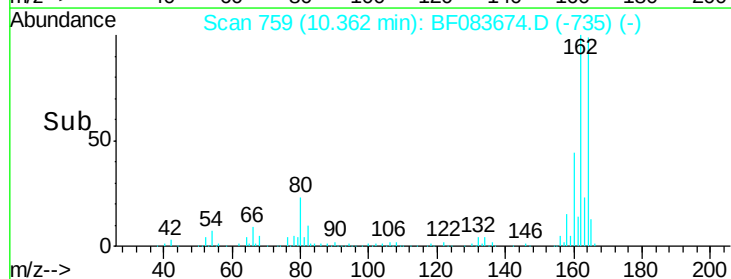
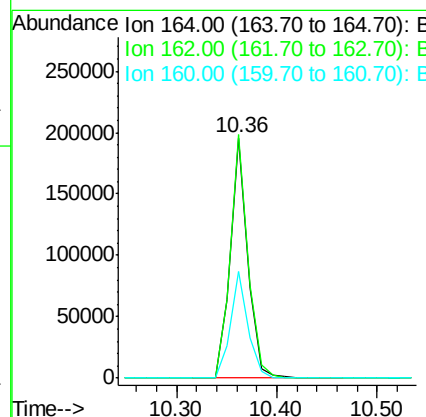
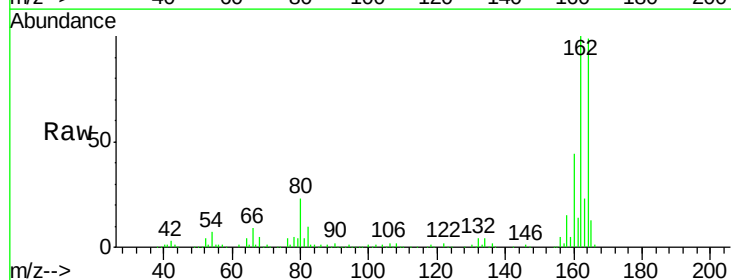
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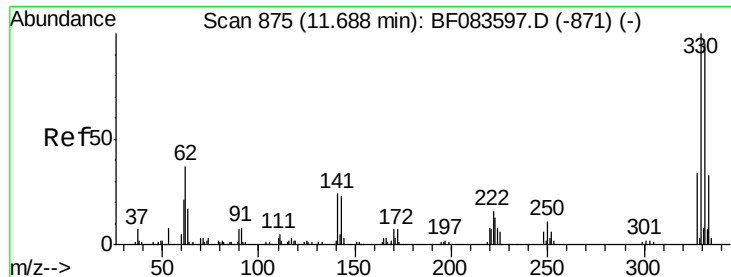
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237169		
162	101.4	78.8	118.2	
160	44.2	33.4	50.2	





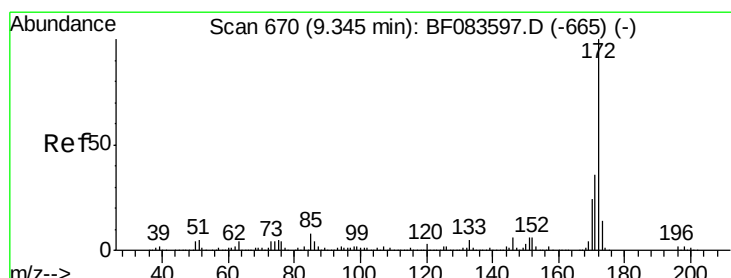
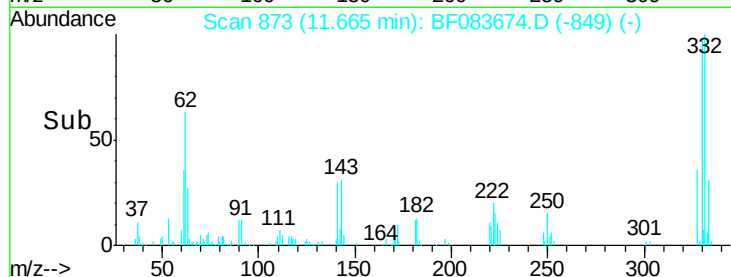
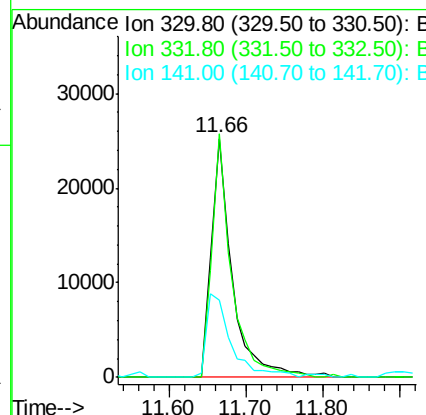
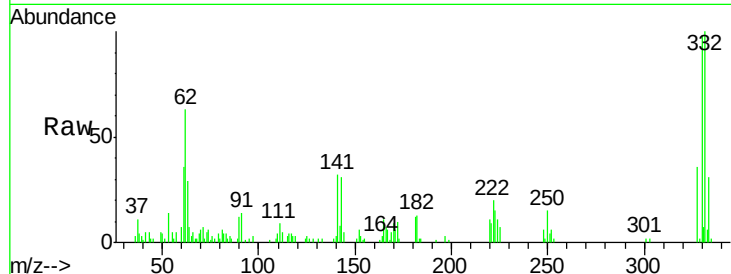
#41
 2,4,6-Tribromophenol
 Concen: 22.55 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083674.D
 Acq: 10 Dec 2015 9:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	47643		
332	95.9	0.0	0.0	0.0
141	41.3	0.0	0.0	0.0

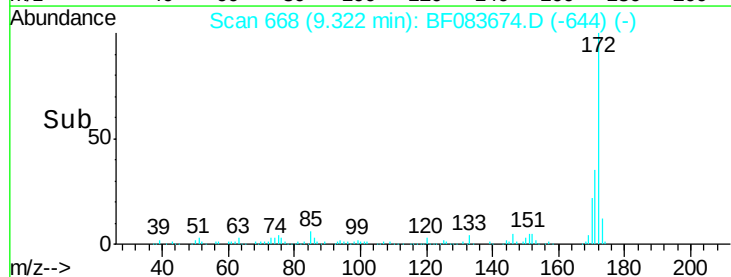
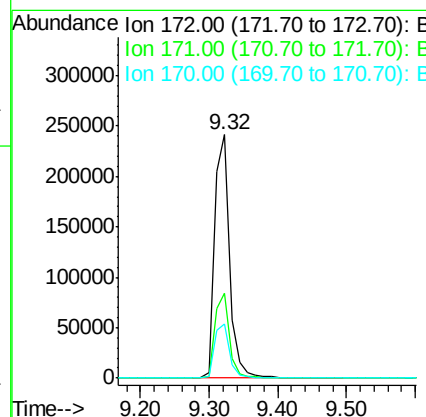
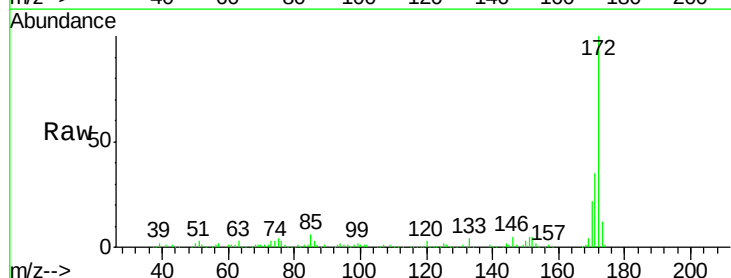
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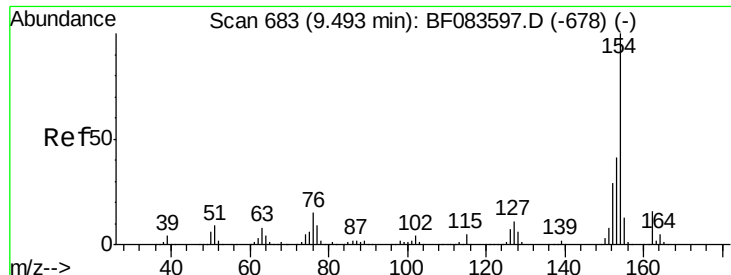
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#44
 2-Fluorobiphenyl
 Concen: 22.07 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083674.D
 Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	371943		
171	34.6	28.6	42.8	
170	22.4	19.4	29.0	





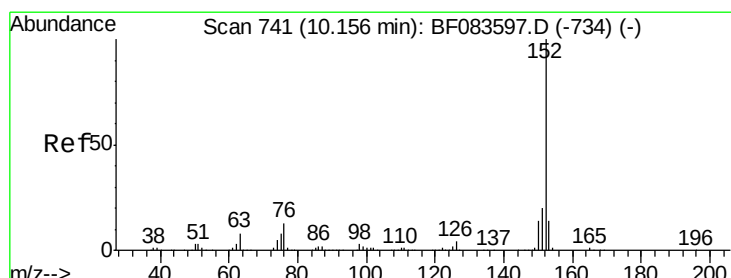
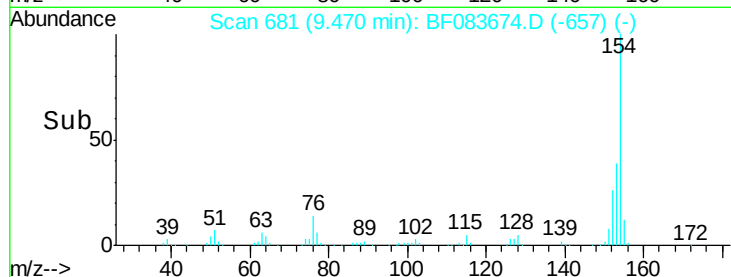
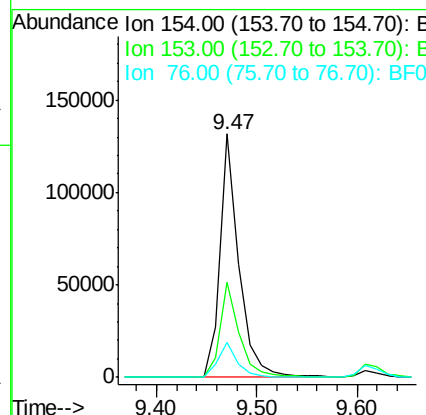
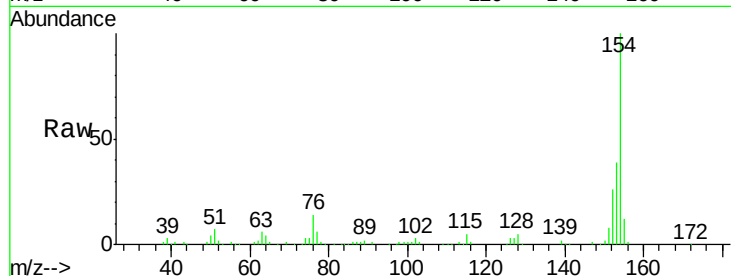
#45
1,1'-Biphenyl
Concen: 8.43 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100	173803		
153	39.2	20.2	60.2	
76	14.3	0.0	34.8	

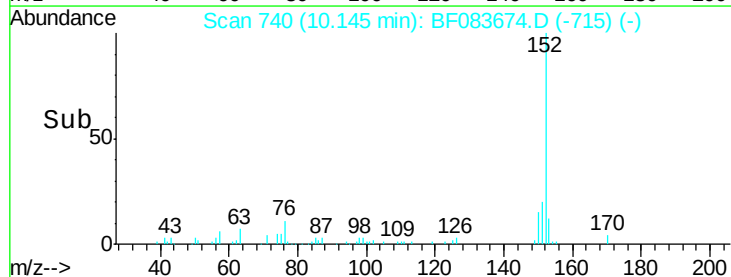
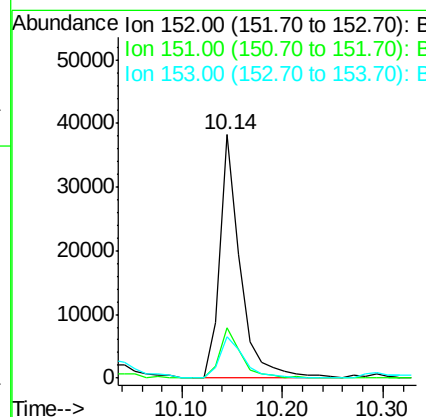
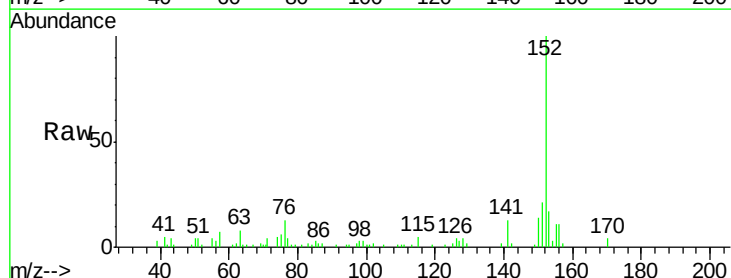
Manual Integrations
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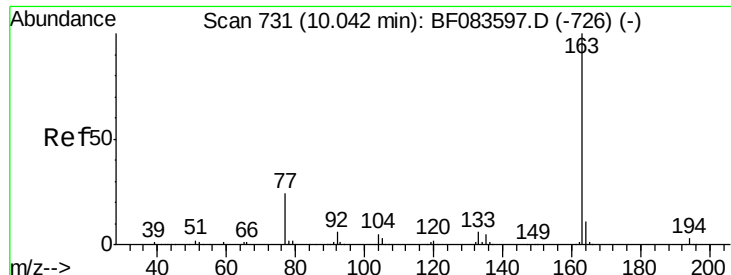
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#48
Acenaphthylene
Concen: 2.12 ng
RT: 10.14 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	54399		
151	20.6	16.3	24.5	
153	17.0	10.8	16.2	





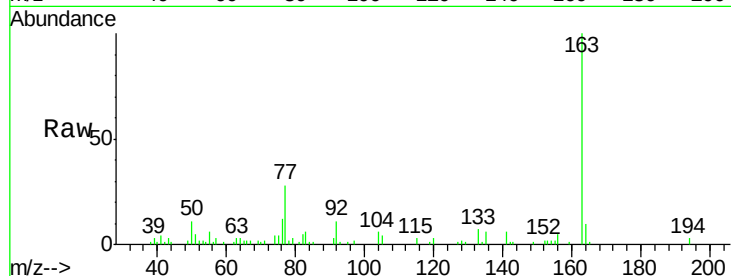
#49
Dimethylphthalate
Concen: 3.30 ng
RT: 10.01 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

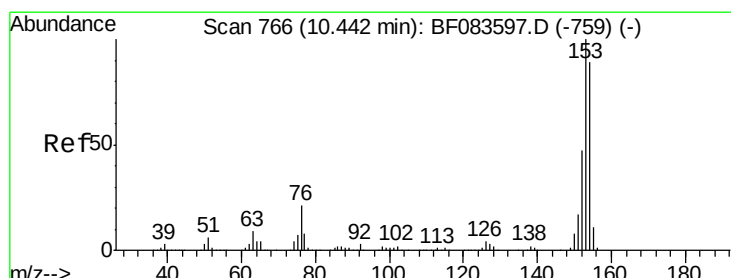
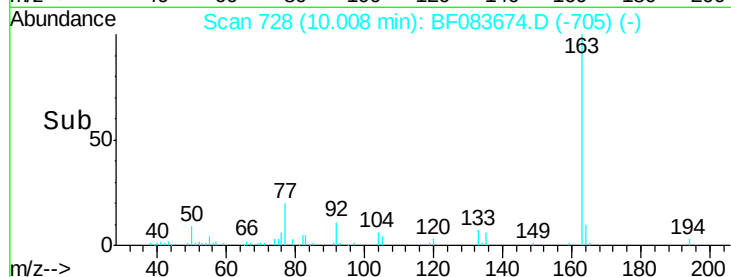
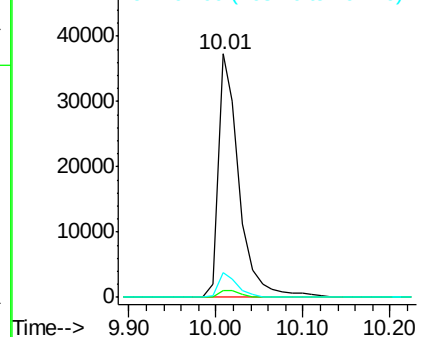
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.0	8.6	13.0

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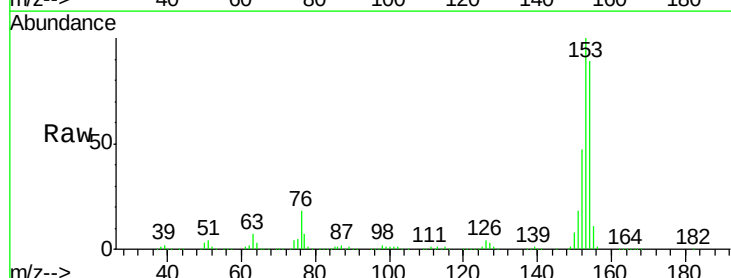


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

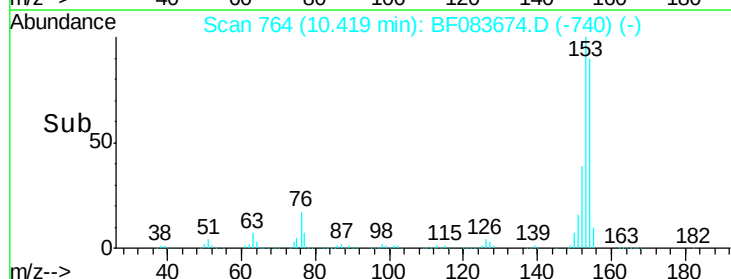
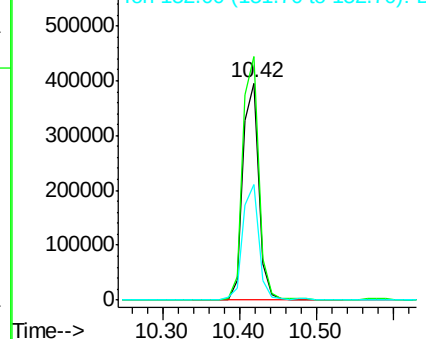


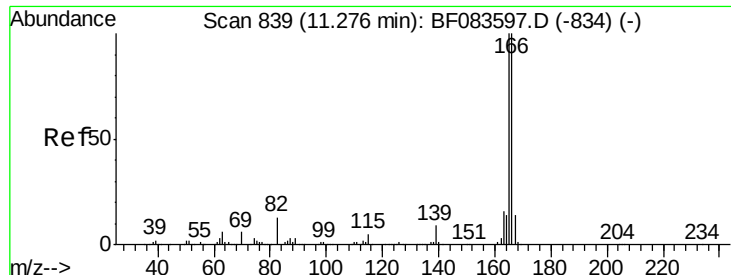
#51
Acenaphthene
Concen: 39.61 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.4	137.0
152	53.0	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





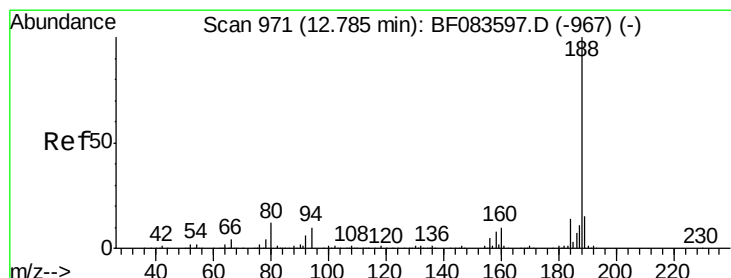
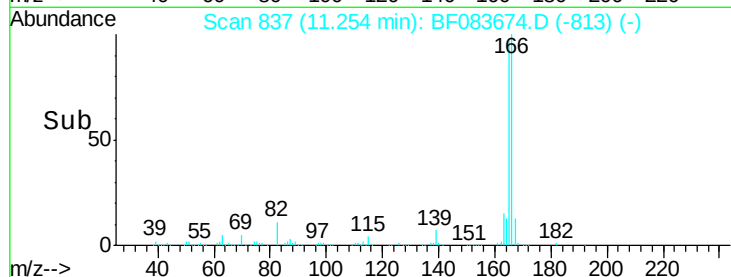
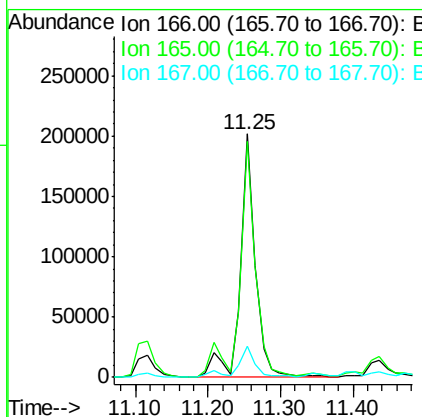
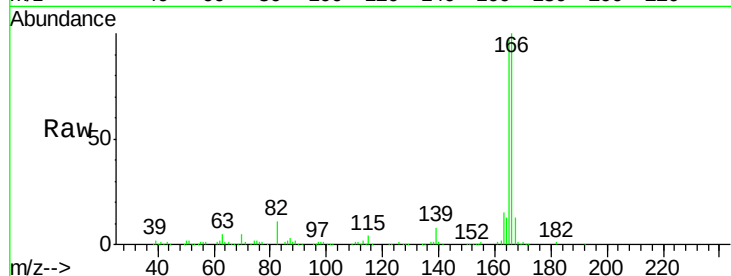
#57
Fluorene
Concen: 16.37 ng
RT: 11.25 min Scan# 837
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	291173		
165	96.7	80.0	120.0	
167	12.9	10.6	16.0	

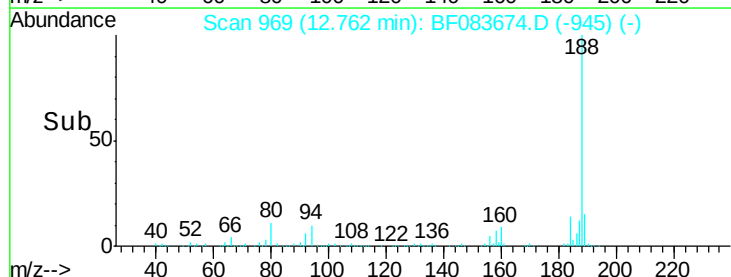
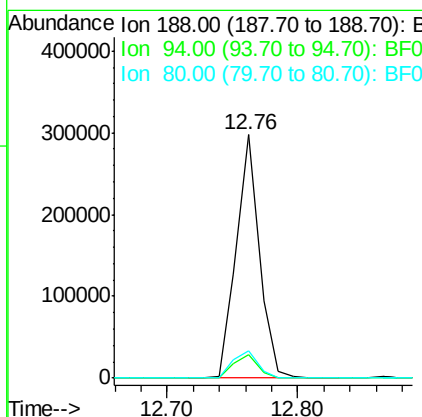
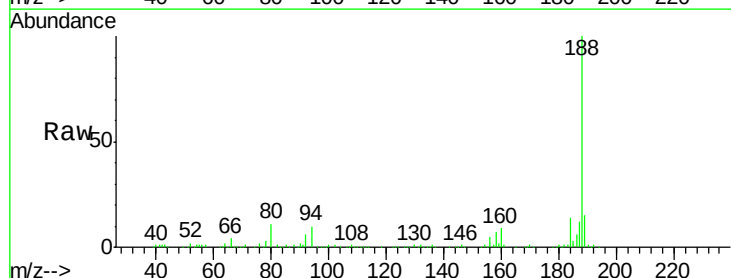
Manual Integrations
APPROVED

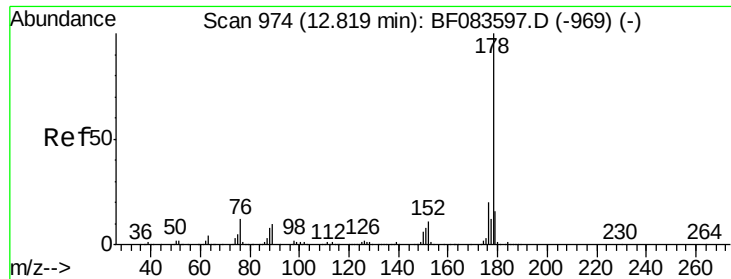
MMdadoda
12/10/2015 5:50:51 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	365468		
94	9.7	9.4	14.2	
80	11.3	10.6	16.0	





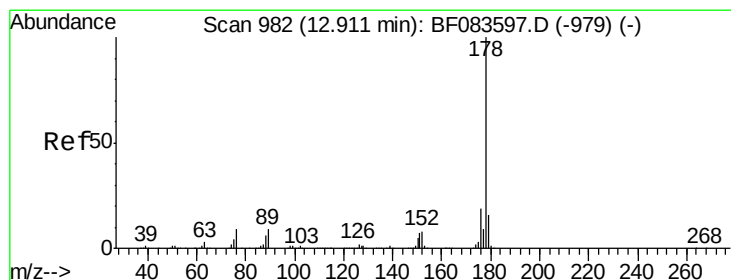
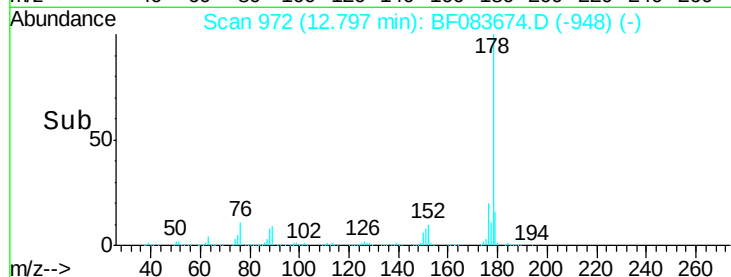
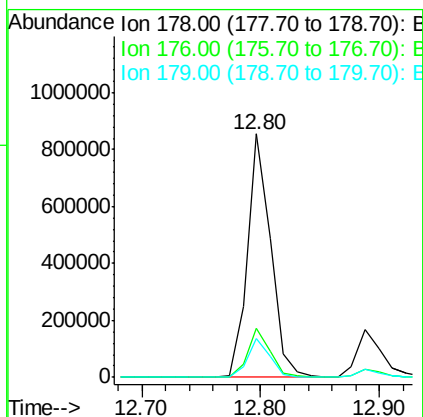
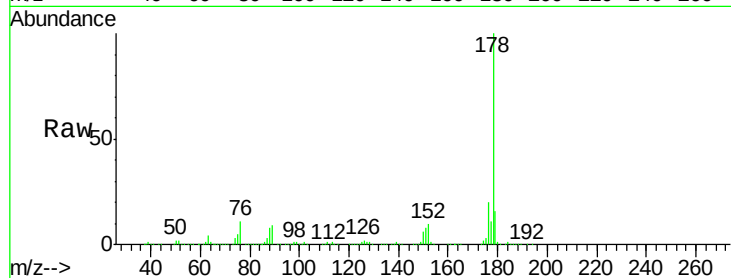
#70
Phenanthrene
Concen: 55.92 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion:178 Resp: 1174259
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.7 12.2 18.4

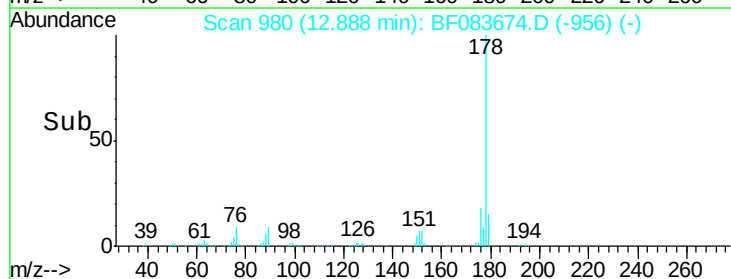
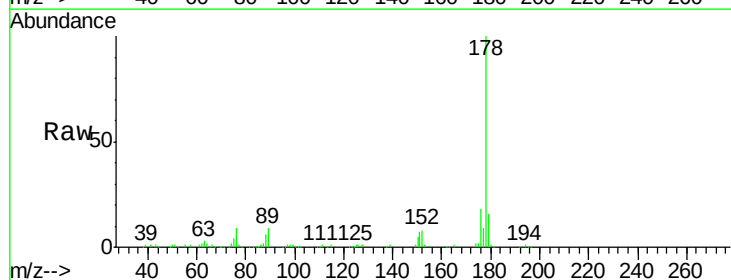
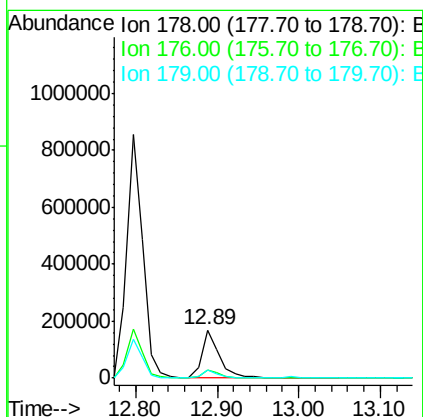
Manual Integrations
APPROVED

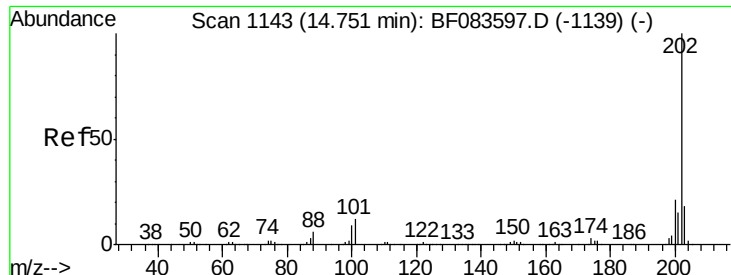
MMdadoda
12/10/2015 5:50:51 PM



#71
Anthracene
Concen: 11.81 ng
RT: 12.89 min Scan# 980
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion:178 Resp: 256984
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 15.6 12.6 18.8





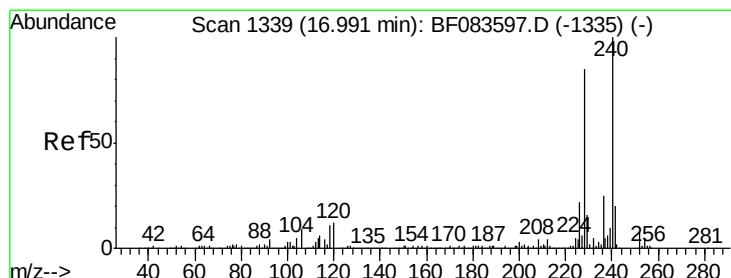
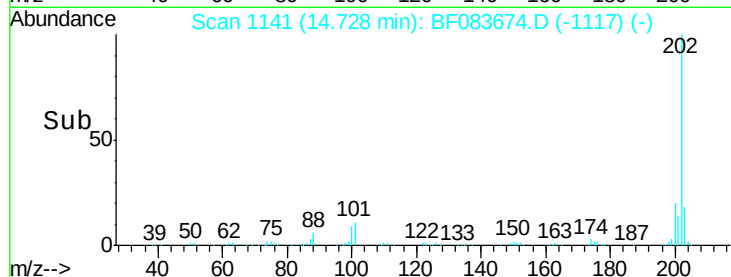
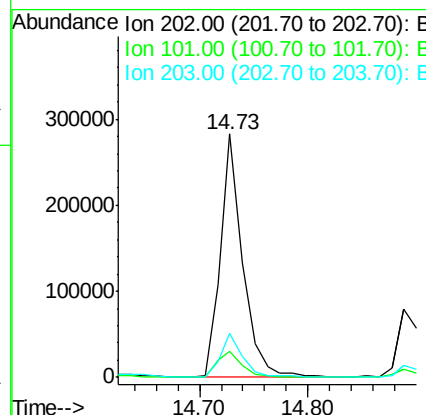
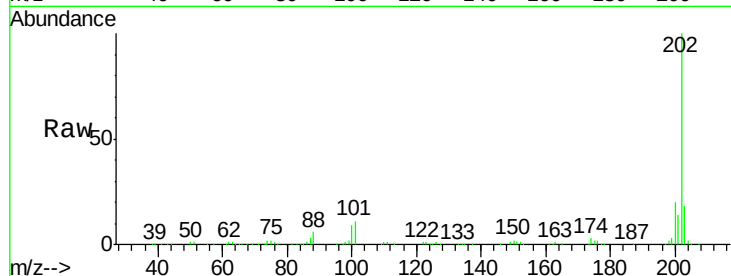
#74
 Fluoranthene
 Concen: 18.83 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083674.D
 Acq: 10 Dec 2015 9:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	31.5
203	17.8	0.0	37.6

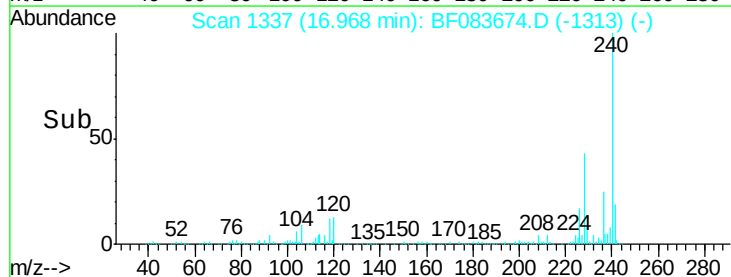
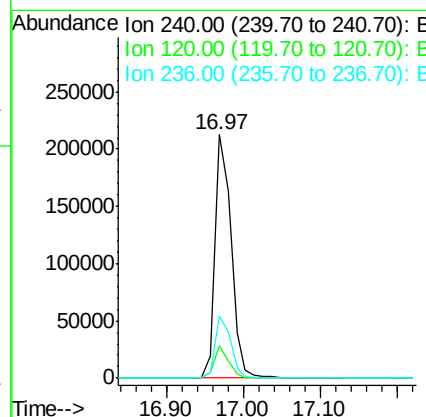
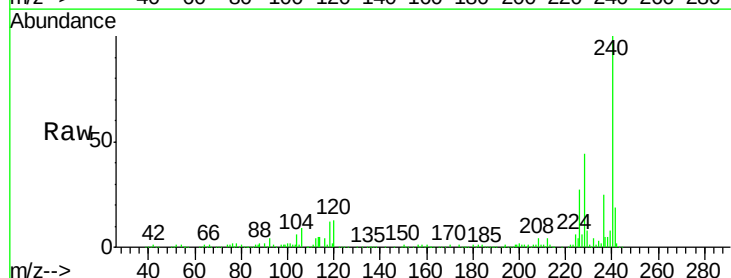
Manual Integrations
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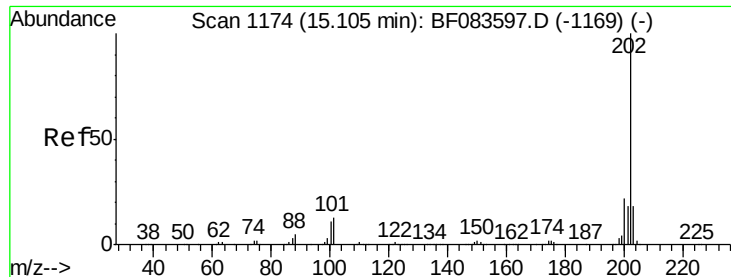
MMdadoda
 12/10/2015 5:50:51 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF083674.D
 Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	8.1	12.1#
236	25.3	20.8	31.2





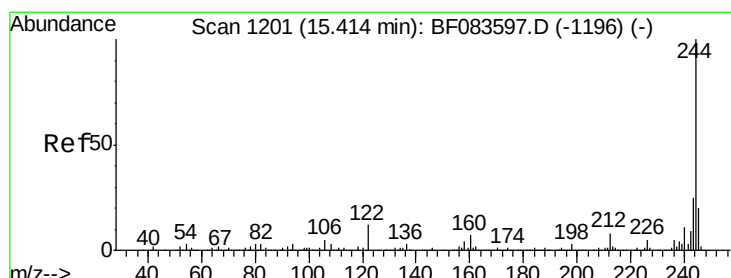
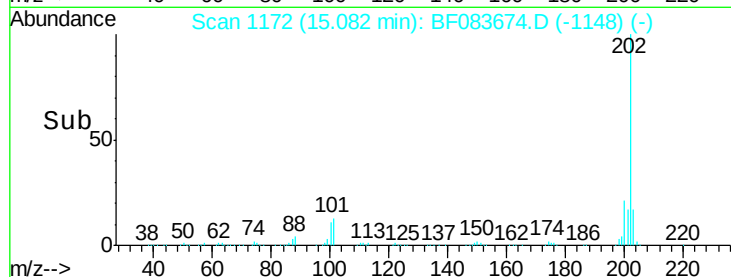
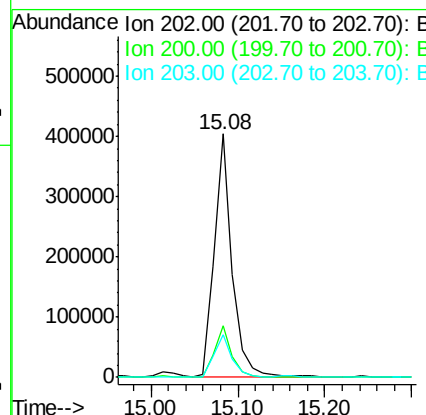
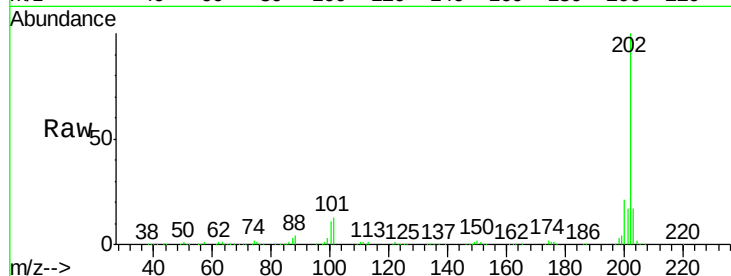
#77
Pvrene
Concen: 25.77 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.5	14.3	21.5

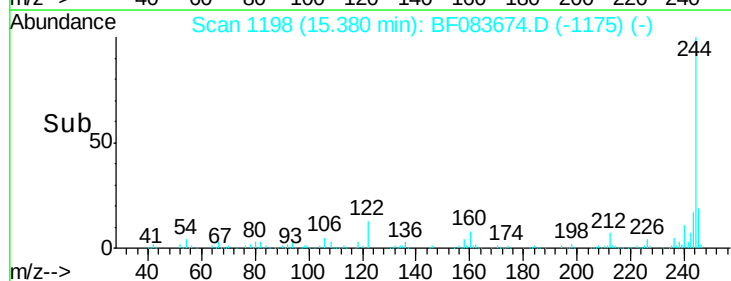
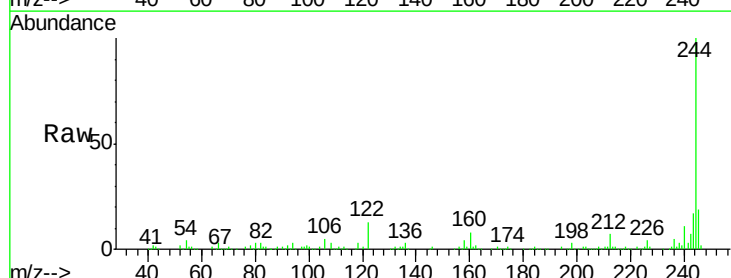
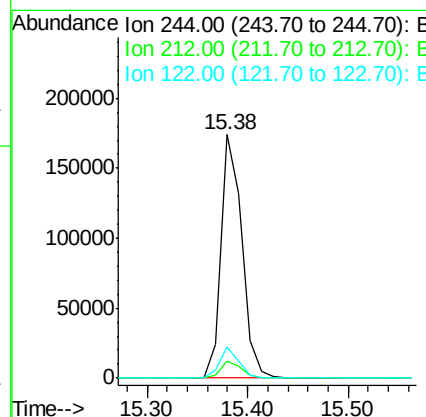
Manual Integrations
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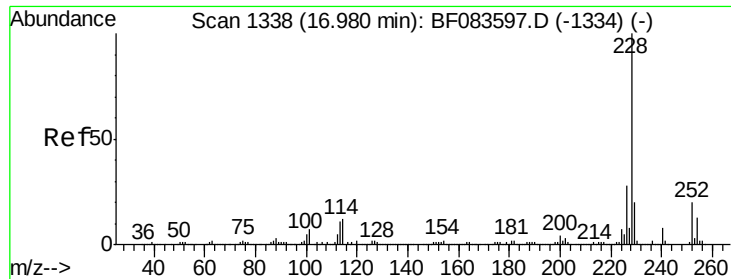
MMdadoda
12/10/2015 5:50:51 PM



#78
Terphenyl-d14
Concen: 19.07 ng
RT: 15.38 min Scan# 1198
Delta R.T. -0.03 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.8	11.0	16.6





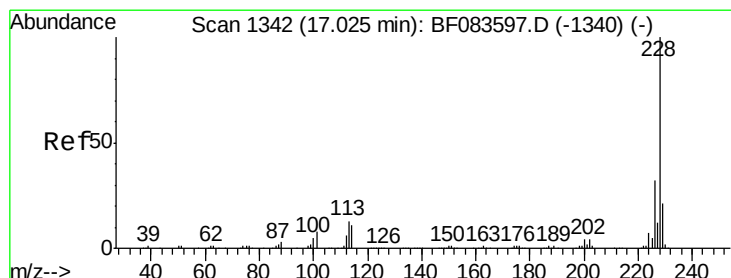
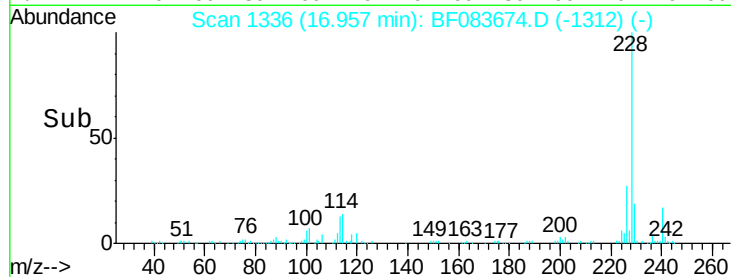
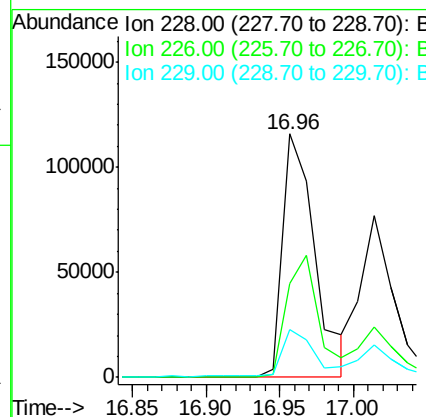
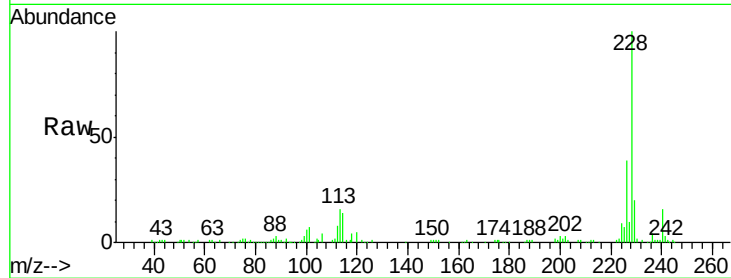
#80
Benzo(a)anthracene
Concen: 9.75 ng
RT: 16.96 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.7	22.3	33.5#
229	19.8	15.7	23.5

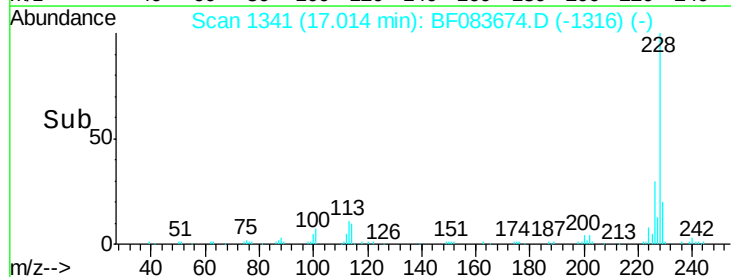
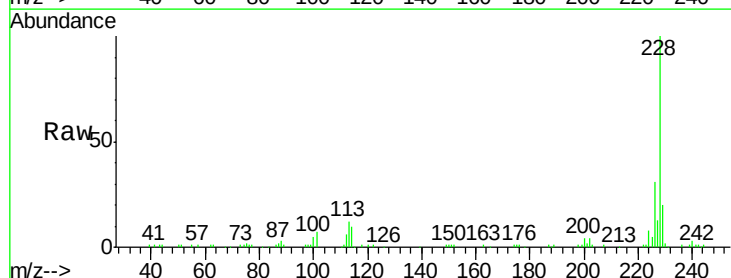
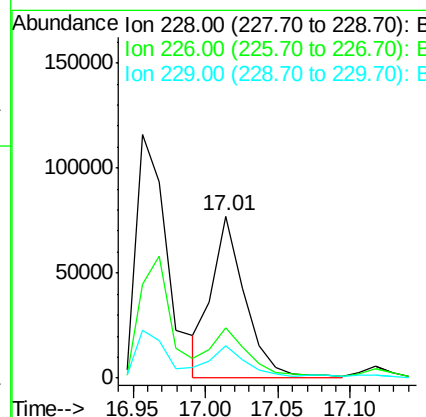
Manual Integrations
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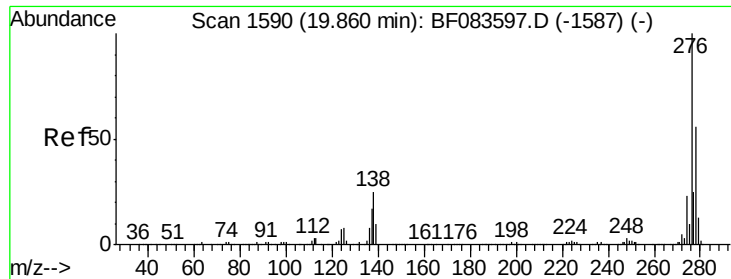
MMdadoda
12/10/2015 5:50:51 PM



#82
Chrysene
Concen: 6.82 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.3	16.3	24.5





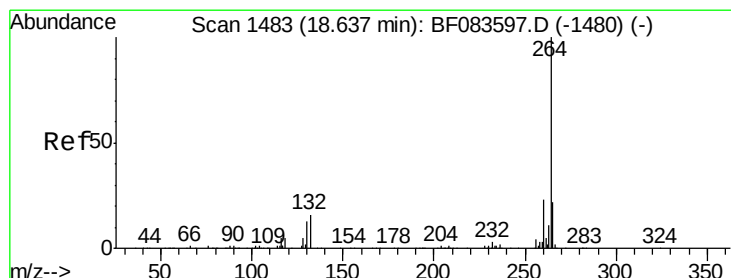
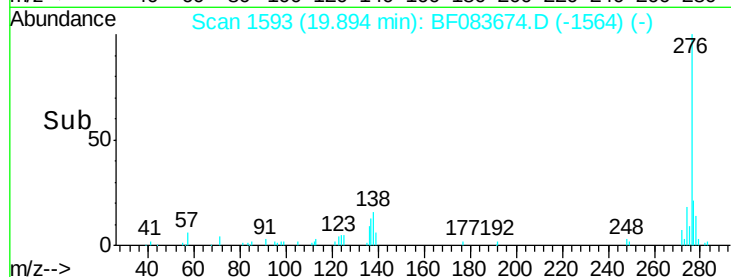
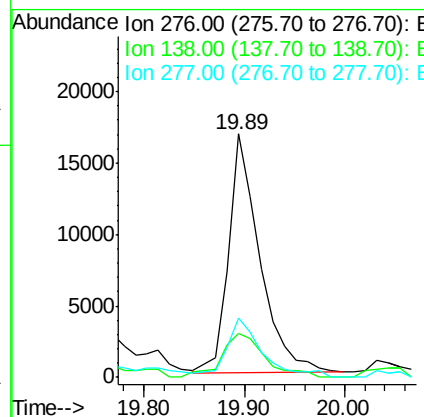
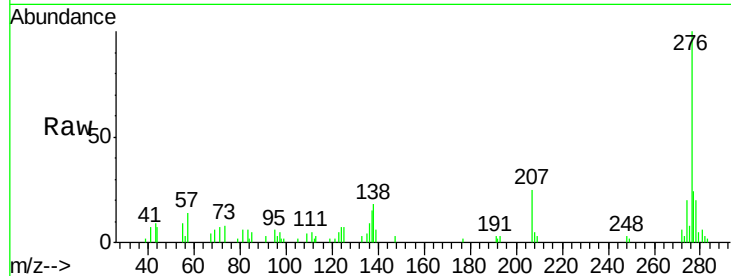
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.93 ng
RT: 19.89 min Scan# 1593
Delta R.T. 0.03 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.5	0.0	0.0#
277	28.4	0.0	0.0#

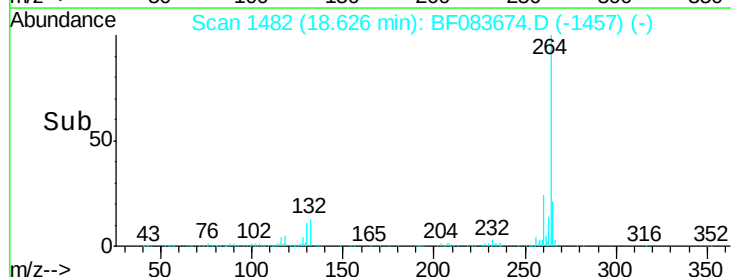
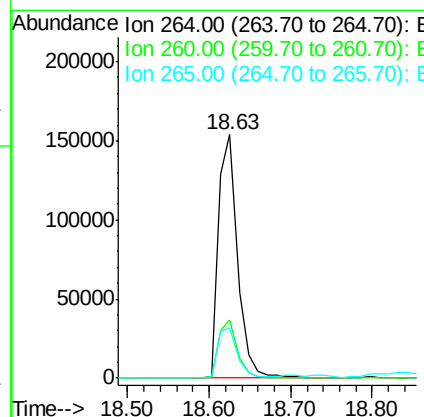
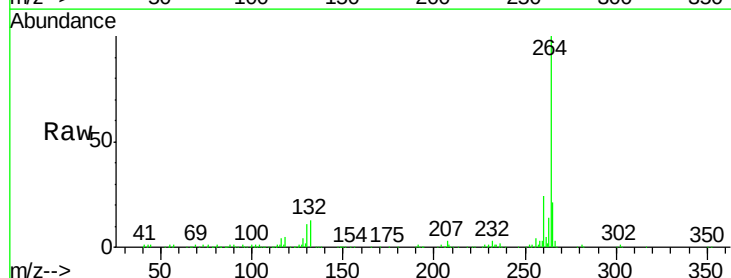
Manual Integrations
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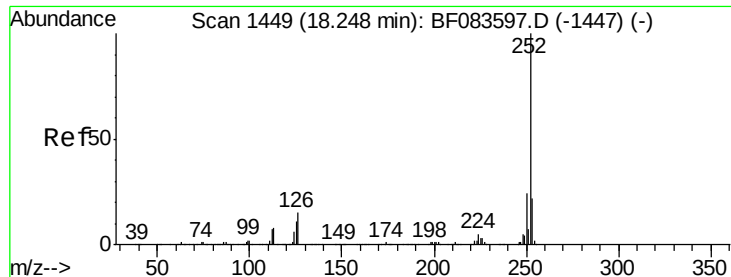
MMdadoda
12/10/2015 5:50:51 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.4	29.0
265	20.7	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 6.80 ng m

RT: 18.25 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF083674.D

Acq: 10 Dec 2015 9:15

Instrument :

BNA_F

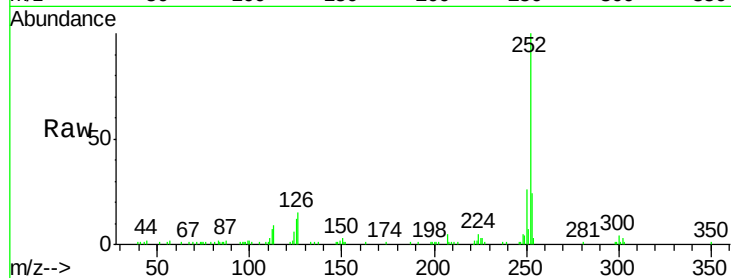
ClientSampleId :

SB-P3WC-03(8-15)DL

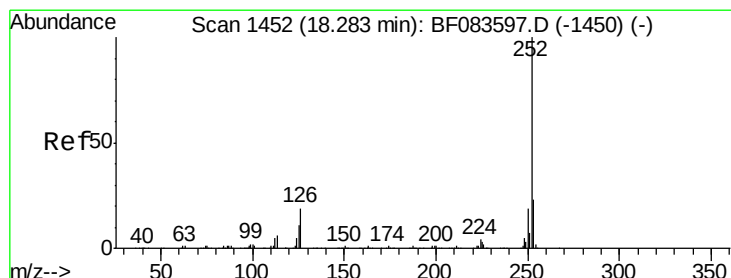
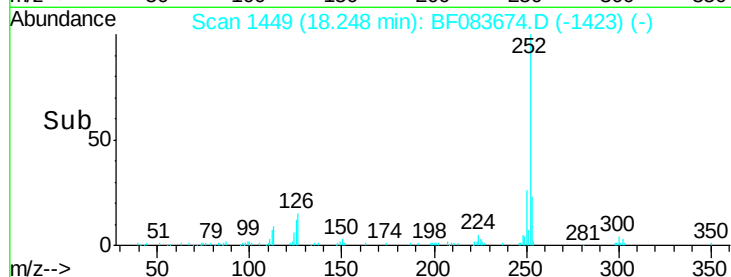
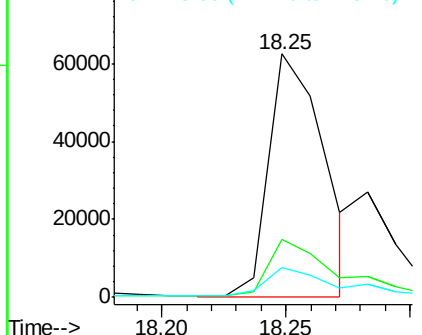
Tot Ion:	252	Resp:	96984
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	12.3	8.2	12.4

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.05 ng m

RT: 18.28 min Scan# 1452

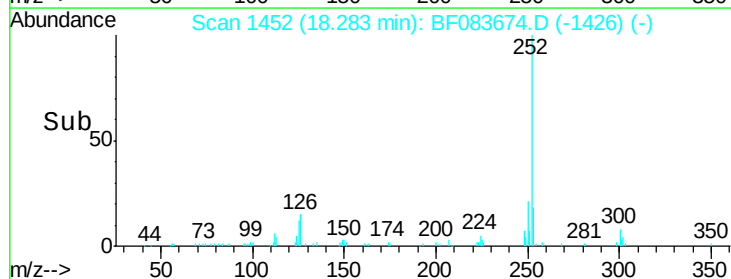
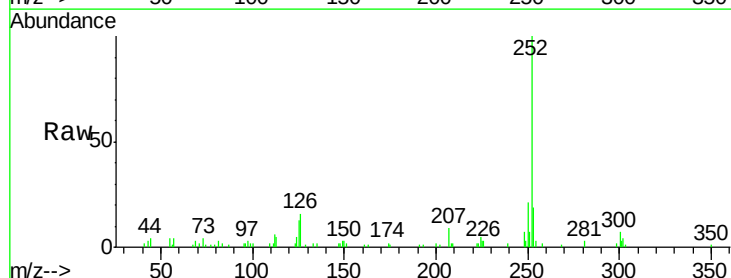
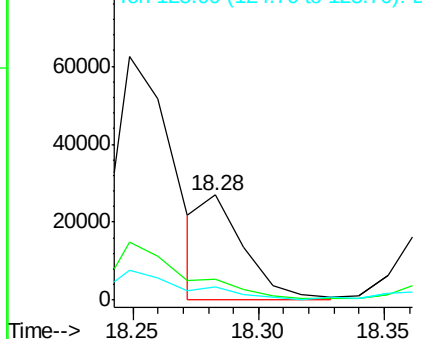
Delta R.T. 0.00 min

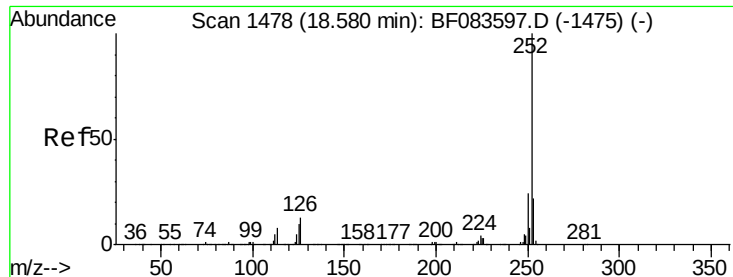
Lab File: BF083674.D

Acq: 10 Dec 2015 9:15

Tgt Ion:	252	Resp:	32208
Ion Ratio	Lower	Upper	
252	100		
253	19.3	18.6	27.8
125	13.1	11.5	17.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





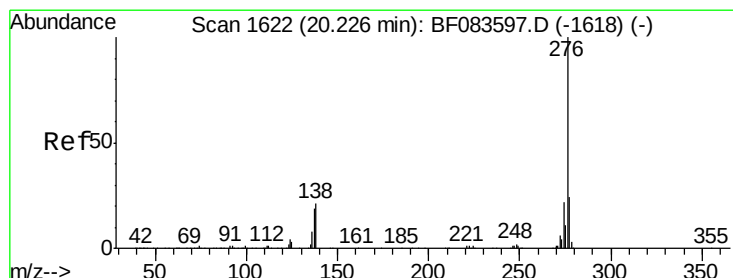
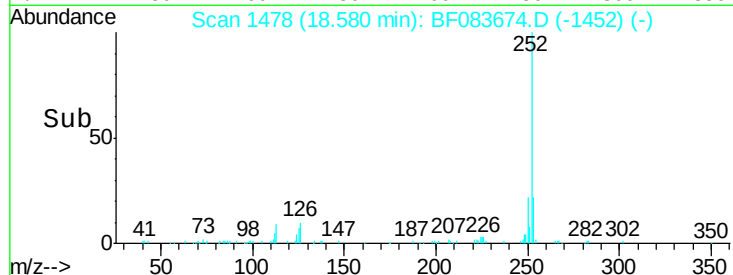
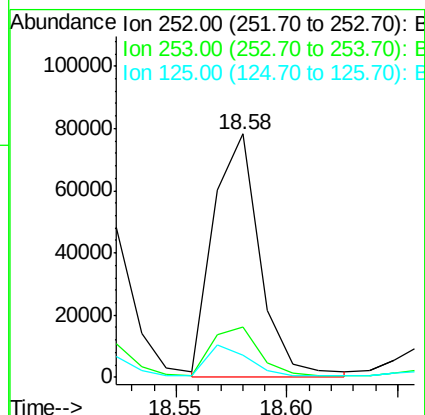
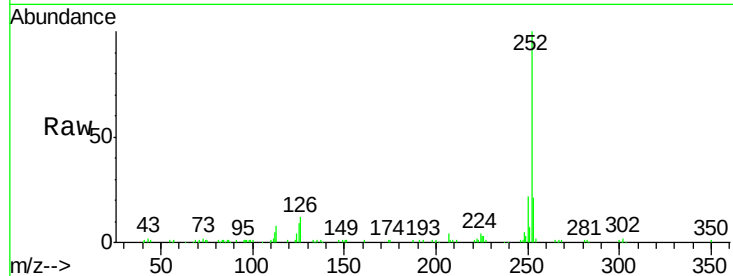
#89
Benzo(a)pyrene
Concen: 8.29 ng/ml
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(8-15)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.5	26.3
125	9.1	11.0	16.6

Manual Integrations
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12/10/2015 5:50:51 PM



#91
Benzo(g,h,i)perylene
Concen: 4.41 ng/ml
RT: 20.25 min Scan# 1624
Delta R.T. 0.02 min
Lab File: BF083674.D
Acq: 10 Dec 2015 9:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	27.1	19.5	29.3

