

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083670.D
 Acq On : 10 Dec 2015 7:14
 Operator : UM/IZ
 Sample : G4582-02DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Manual Integrations
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 12/10/2015 5:50:40 PM

Quant Time: Dec 10 12:16:20 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	124070	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	489041	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	218292	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	347045	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	294700	20.00	ng	-0.02
86) Perylene-d12	18.61	264	237833	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	123874	15.14	ng	0.01
7) Phenol-d6	5.28	99	179599	16.43	ng	0.00
23) Nitrobenzene-d5	6.53	82	111626	10.65	ng	0.00
41) 2,4,6-Tribromophenol	11.67	330	21042	10.82	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	196424	12.66	ng	-0.02
78) Terphenyl-d14	15.38	244	132521	10.58	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.62	128	97504	3.76	ng	98
45) 1,1'-Biphenyl	9.47	154	115340	6.08	ng	99
48) Acenaphthylene	10.14	152	48028	2.03	ng	# 90
49) Dimethylphthalate	10.02	163	35262	2.03	ng	98
51) Acenaphthene	10.41	154	306409	22.66	ng	100
57) Fluorene	11.25	166	186896	11.42	ng	98
70) Phenanthrene	12.80	178	1003035	50.30	ng	99
71) Anthracene	12.89	178	263629	12.76	ng	98
74) Fluoranthene	14.73	202	385851	18.92	ng	99
77) Pyrene	15.08	202	540021	25.45	ng	99
80) Benzo(a)anthracene	16.96	228	172728m	10.01	ng	
82) Chrysene	17.01	228	129680	7.50	ng	98
85) Indeno(1,2,3-cd)pyrene	19.89	276	38762	3.32	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	107081m	7.91	ng	
89) Benzo(a)pyrene	18.57	252	116016	8.78	ng	97
91) Benzo(g,h,i)perylene	20.25	276	45694	4.64	ng	98

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

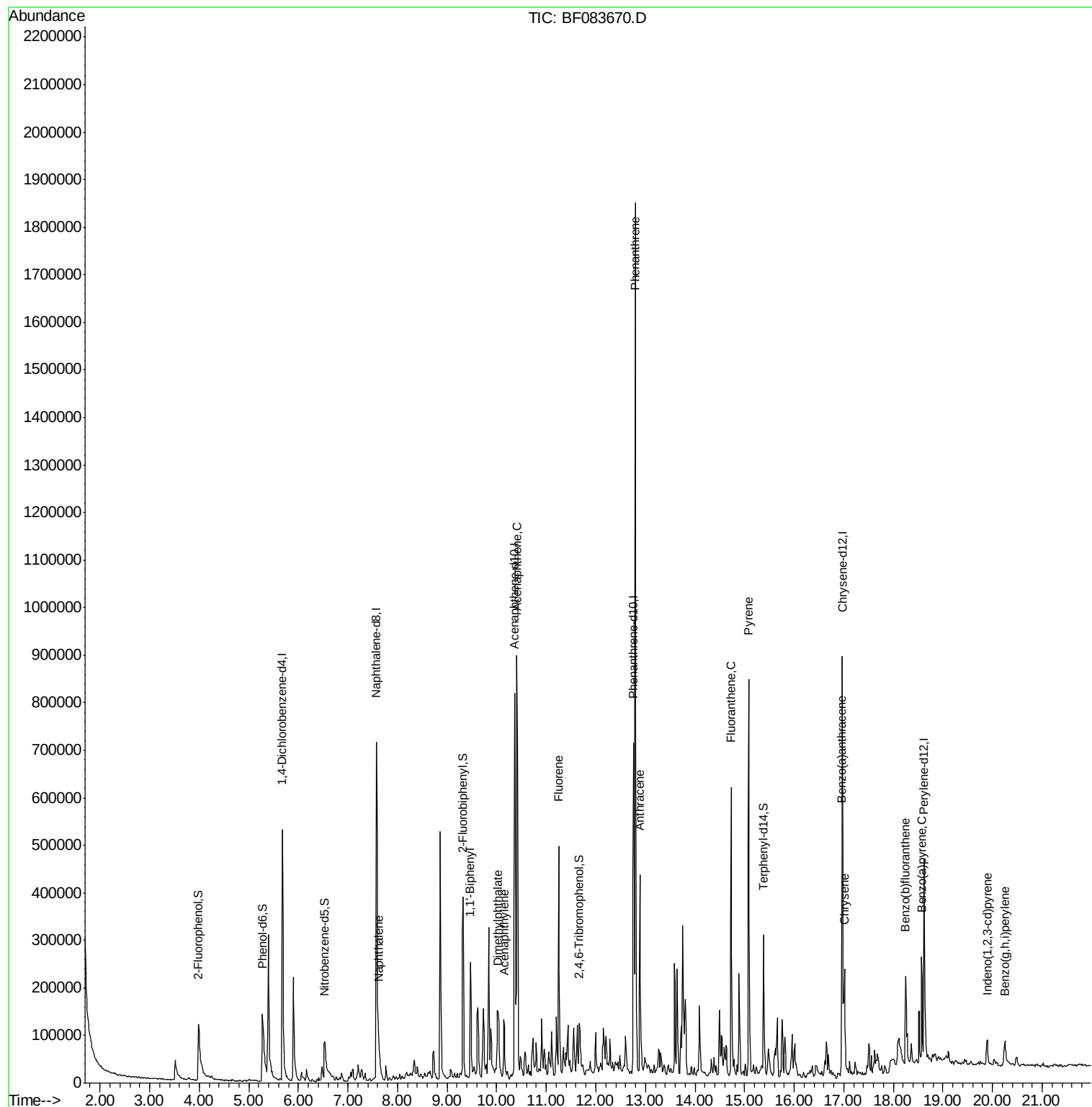
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083670.D
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ALS Vial : 34 Sample Multiplier: 1

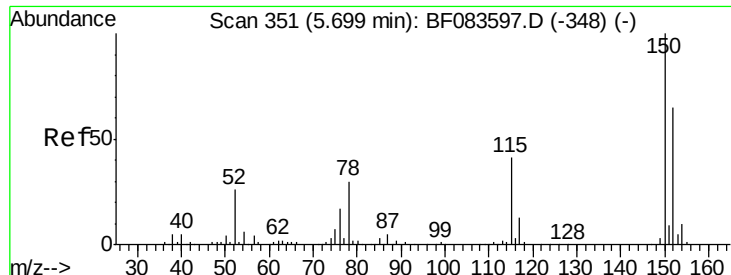
Instrument :
BNA_F
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SB-P3WC-01(8-12.5)DL

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Quant Time: Dec 10 12:16:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
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#1

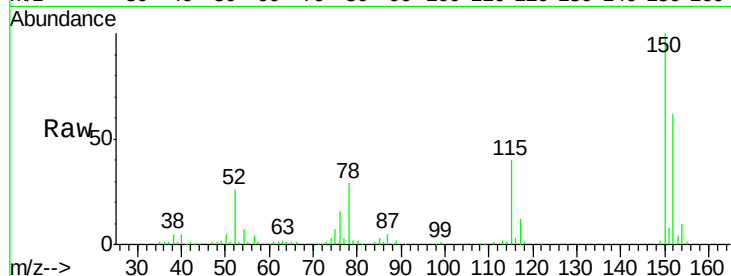
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

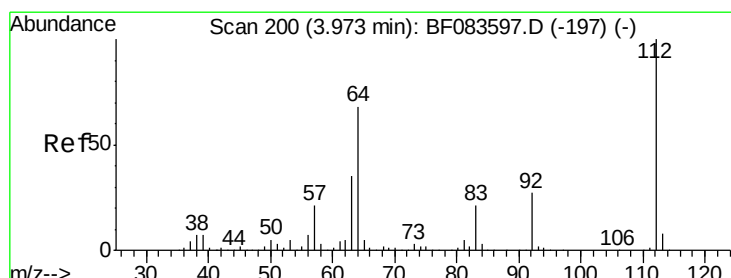
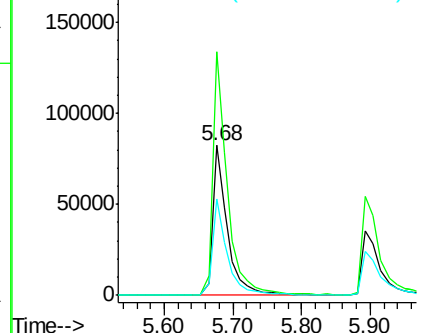
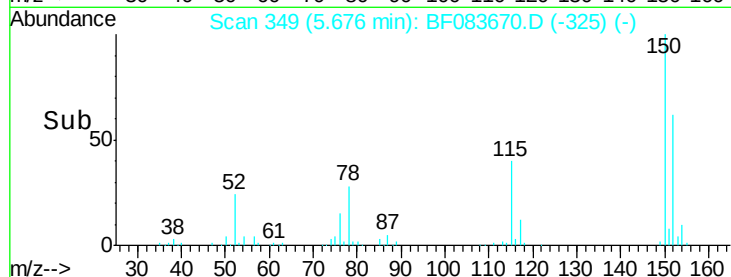
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.5	189.7
115	64.7	52.3	78.5

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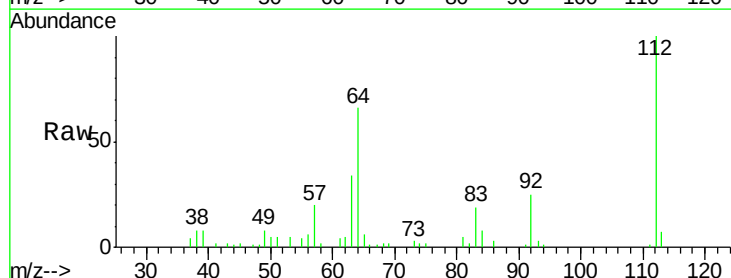
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



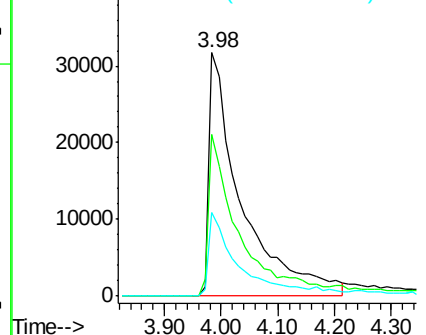
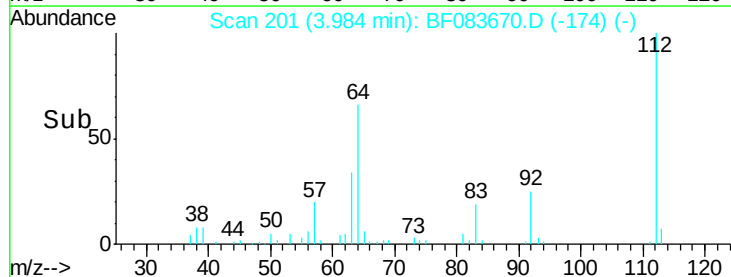
#5

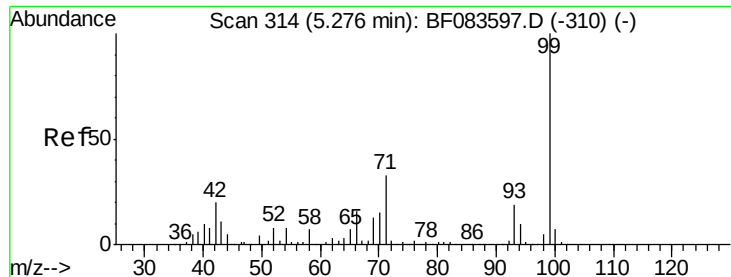
2-Fluorophenol
Concen: 15.14 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	50.5	75.7
63	34.3	25.8	38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.43 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion: 99 Resp: 179599

Ion Ratio Lower Upper

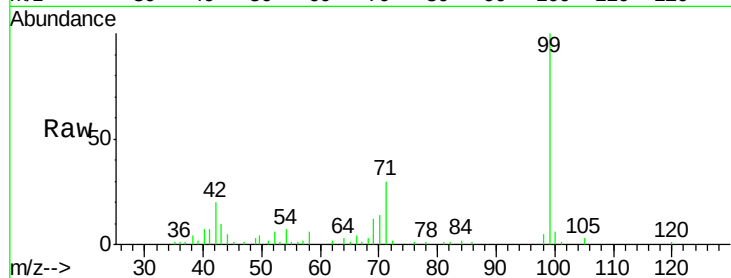
99 100

42 19.8 17.3 25.9

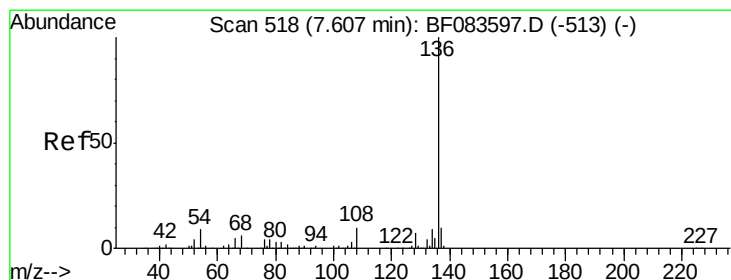
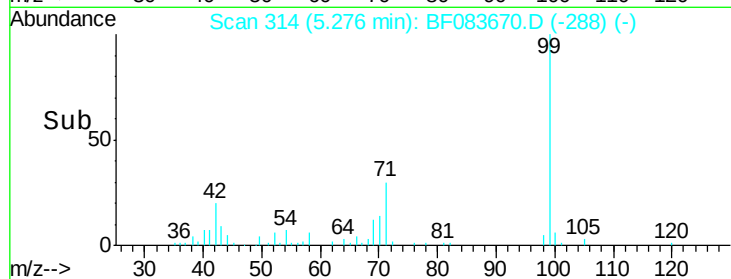
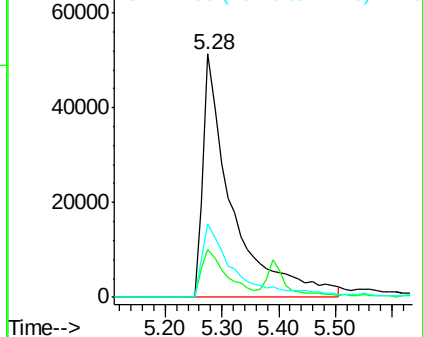
71 30.2 26.6 40.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion: 136 Resp: 489041

Ion Ratio Lower Upper

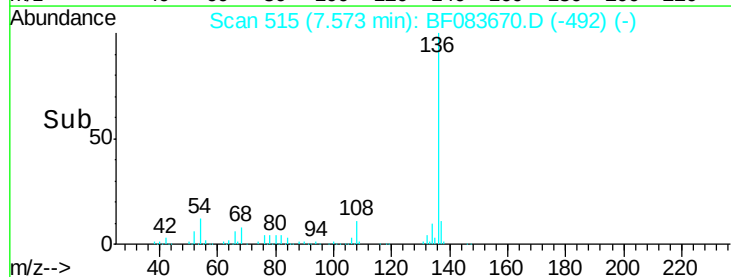
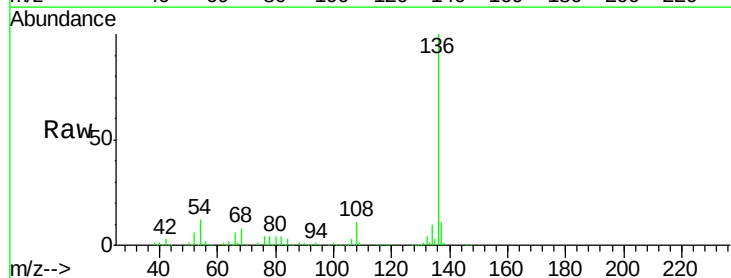
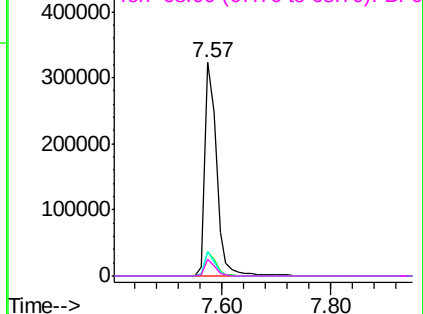
136 100

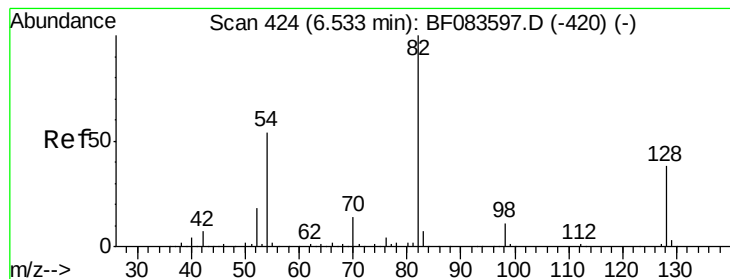
137 11.2 8.7 13.1

54 11.6 7.8 11.6

68 7.7 5.7 8.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 10.65 ng

RT: 6.53 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

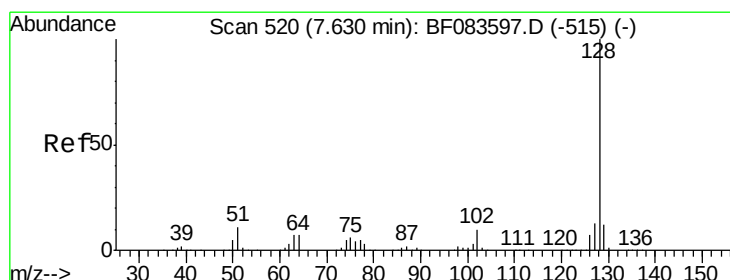
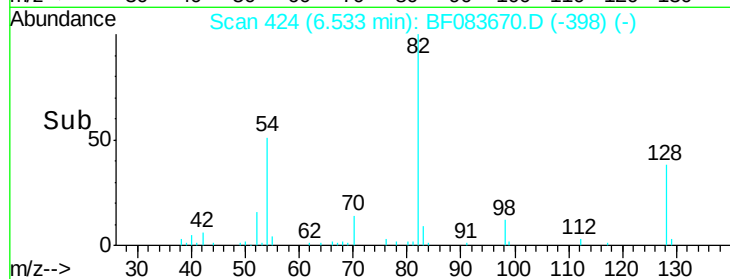
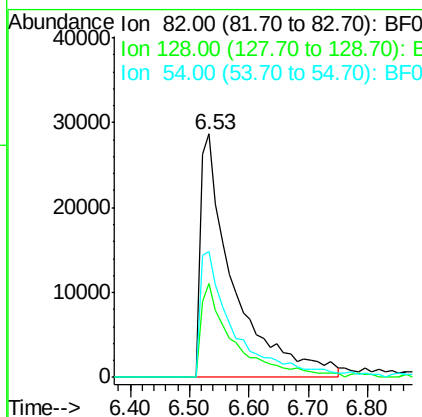
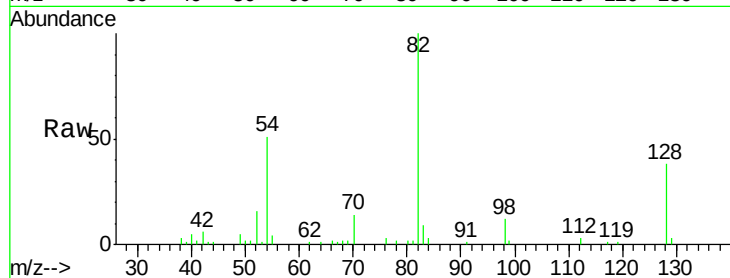
ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion:	82	Resp:	111626
Ion Ratio		Lower	Upper
82	100		
128	38.3	30.7	46.1
54	51.5	42.5	63.7

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#31

Naphthalene

Concen: 3.76 ng

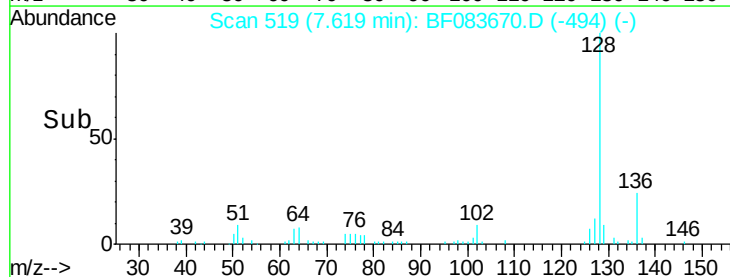
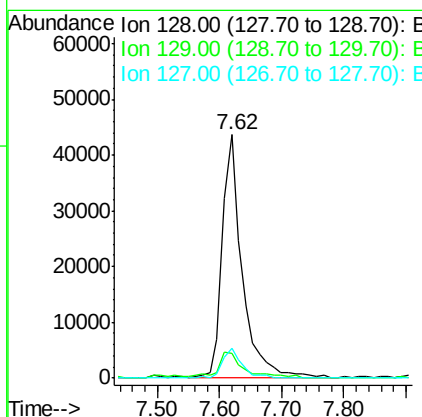
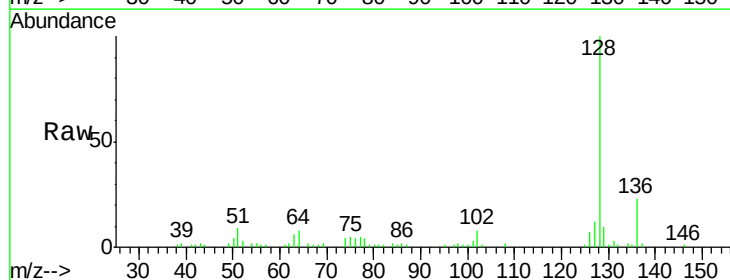
RT: 7.62 min Scan# 519

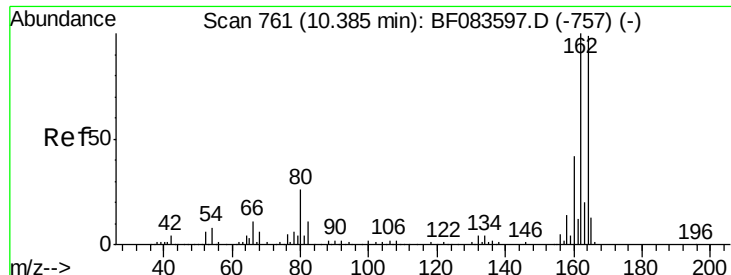
Delta R.T. -0.01 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion:	128	Resp:	97504
Ion Ratio		Lower	Upper
128	100		
129	10.3	8.6	13.0
127	12.4	10.6	16.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

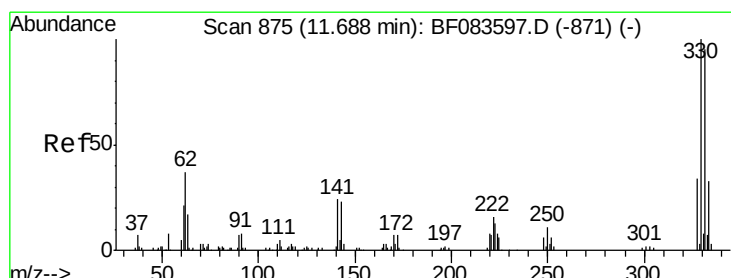
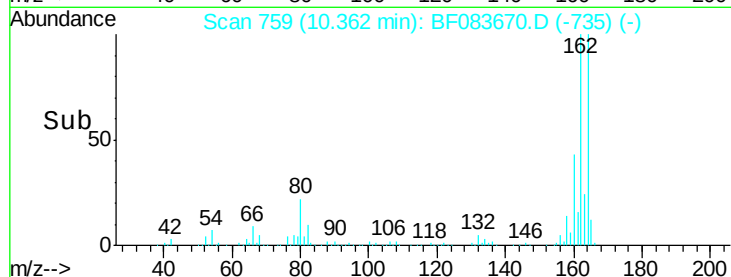
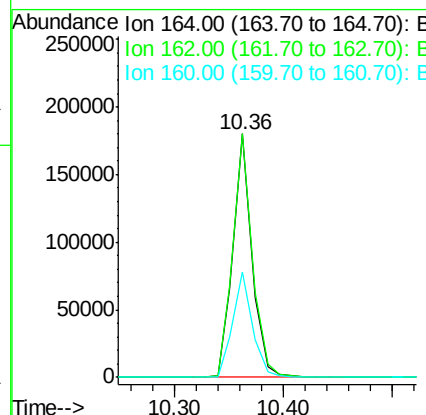
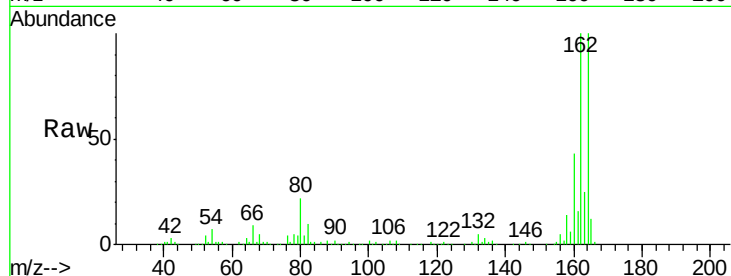
ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion:	164	Resp:	218292
Ion Ratio	Lower	Upper	
164	100		
162	100.0	78.8	118.2
160	43.1	33.4	50.2

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#41

2,4,6-Tribromophenol

Concen: 10.82 ng

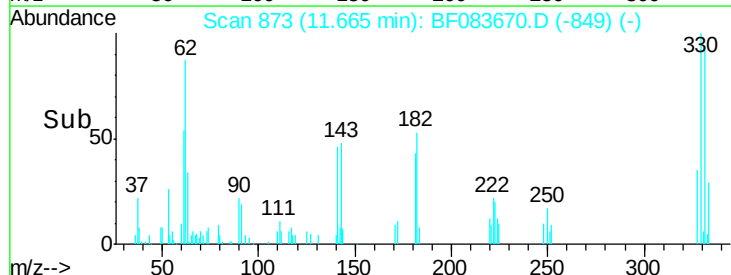
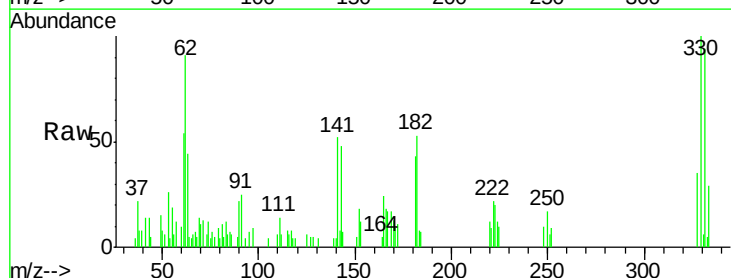
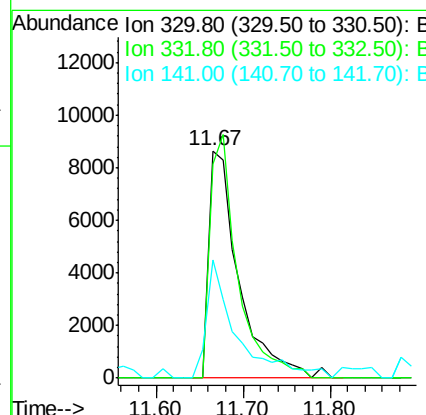
RT: 11.67 min Scan# 873

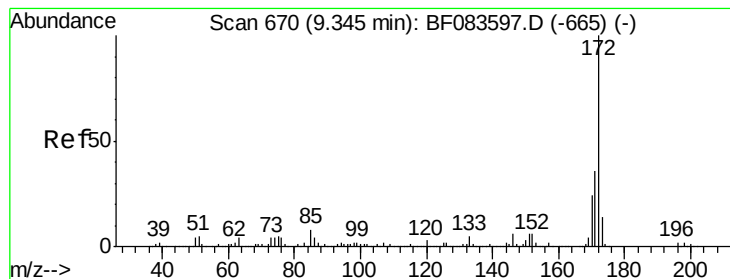
Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion:	330	Resp:	21042
Ion Ratio	Lower	Upper	
330	100		
332	97.7	0.0	0.0#
141	51.7	0.0	0.0#





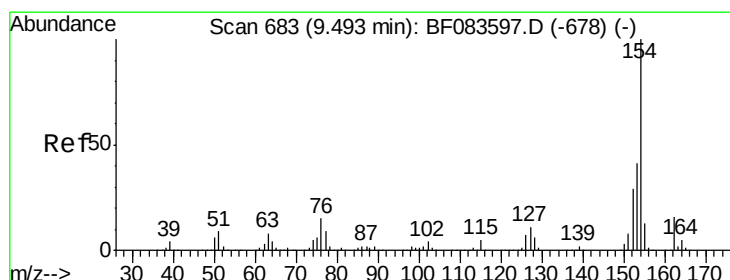
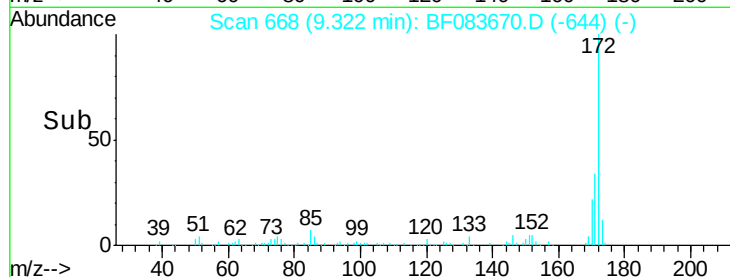
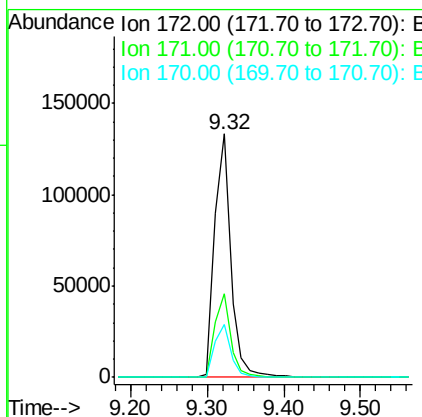
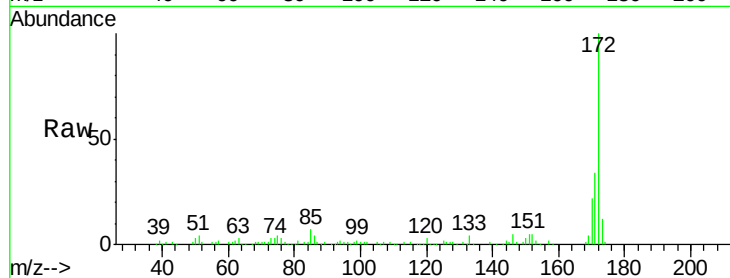
#44
2-Fluorobiphenyl
Concen: 12.66 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	196424		
171	34.3		28.6	42.8
170	21.9		19.4	29.0

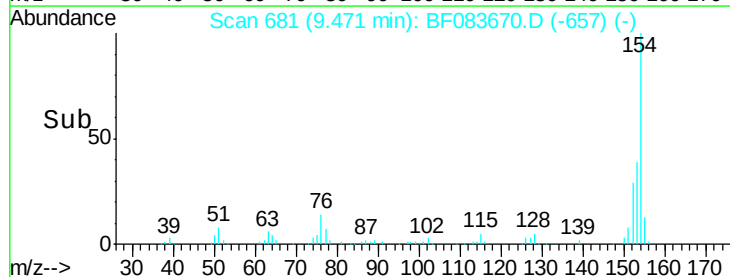
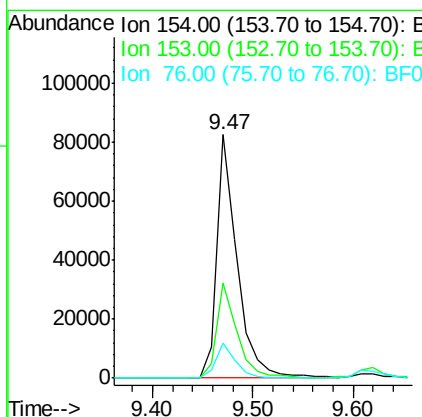
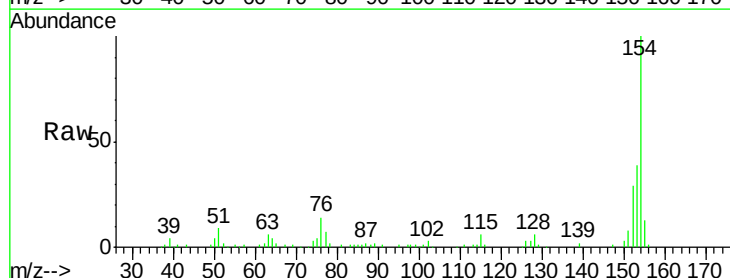
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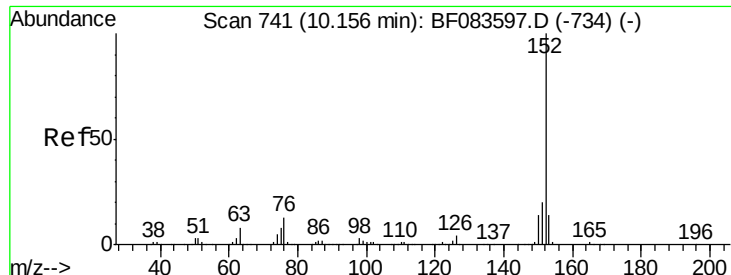
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#45
1,1'-Biphenyl
Concen: 6.08 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	115340		
153	39.1		20.2	60.2
76	14.5		0.0	34.8





#48

Acenaphthylene

Concen: 2.03 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF083670.D

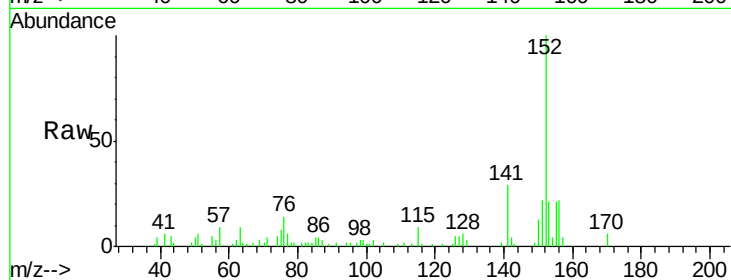
Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

ClientSampleId :

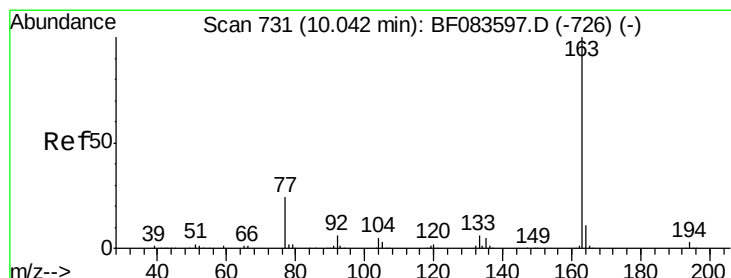
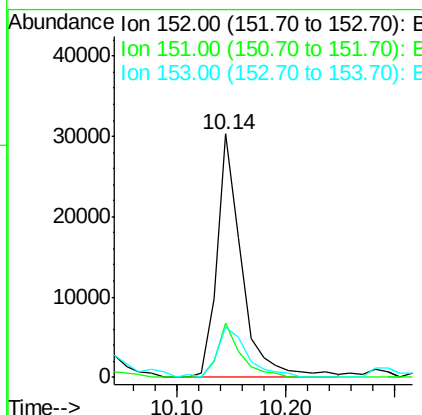
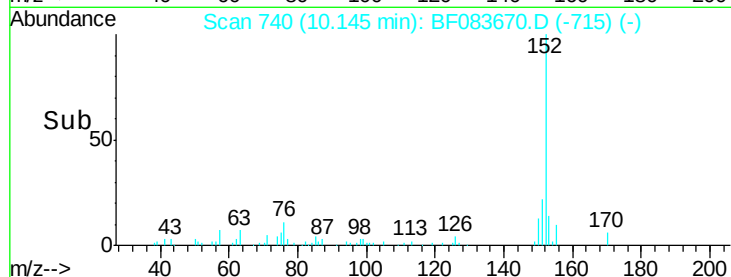
SB-P3WC-01(8-12.5)DL



Tot Ion	152	Resp:	48028
Ion Ratio	Lower	Upper	
152	100		
151	22.3	16.3	24.5
153	20.8	10.8	16.2#

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#49

Dimethylphthalate

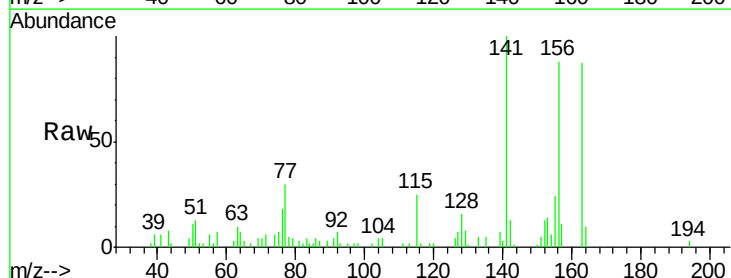
Concen: 2.03 ng

RT: 10.02 min Scan# 729

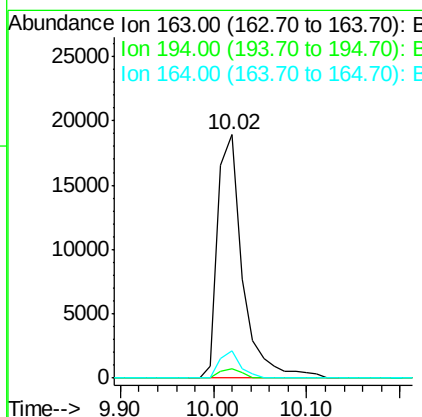
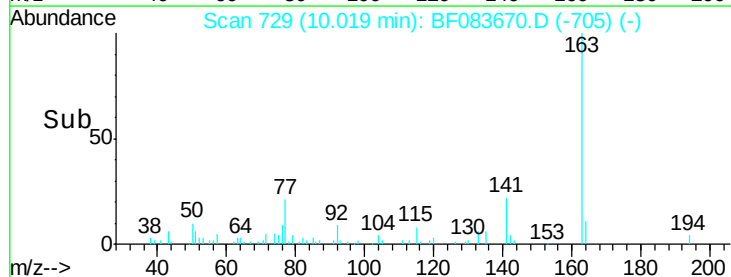
Delta R.T. -0.02 min

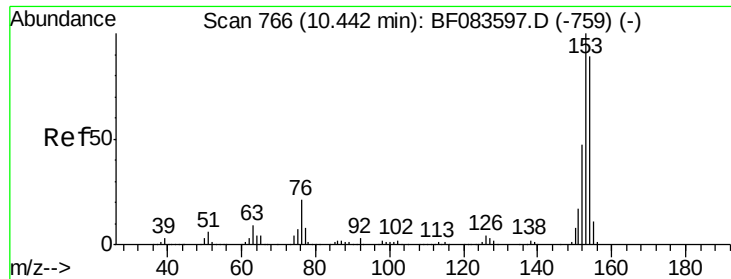
Lab File: BF083670.D

Acq: 10 Dec 2015 7:14



Tgt Ion	163	Resp:	35262
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.8	4.2
164	11.4	8.6	13.0





#51

Acenaphthene

Concen: 22.66 ng

RT: 10.41 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

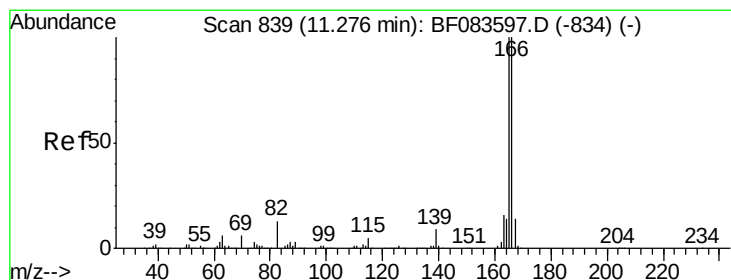
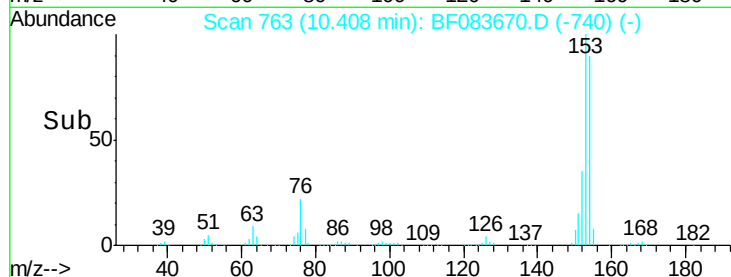
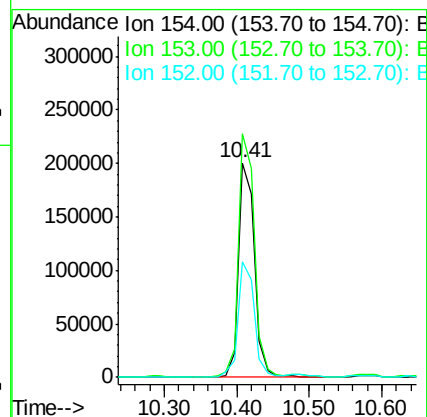
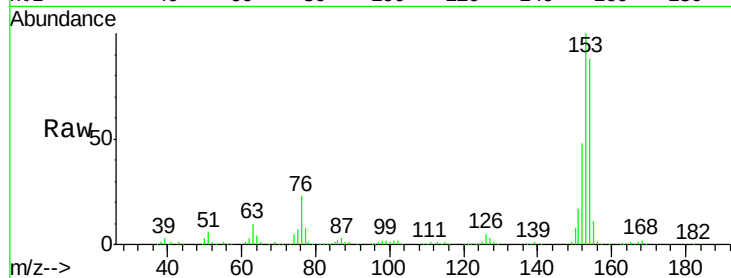
ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion:	154	Resp:	306409
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.4	137.0
152	54.2	43.4	65.2

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#57

Fluorene

Concen: 11.42 ng

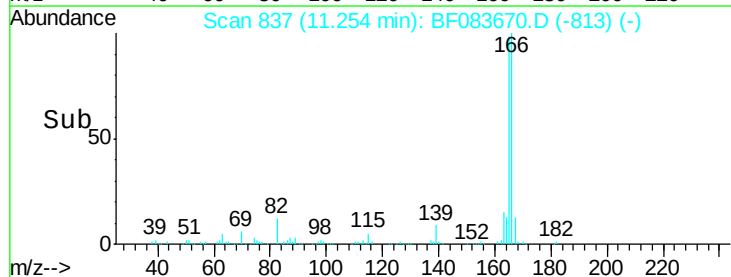
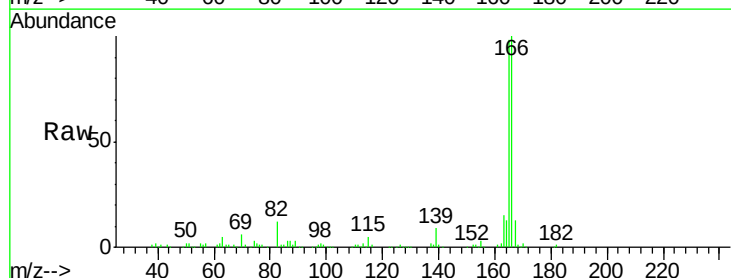
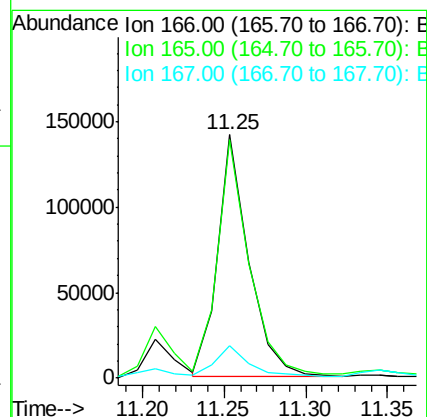
RT: 11.25 min Scan# 837

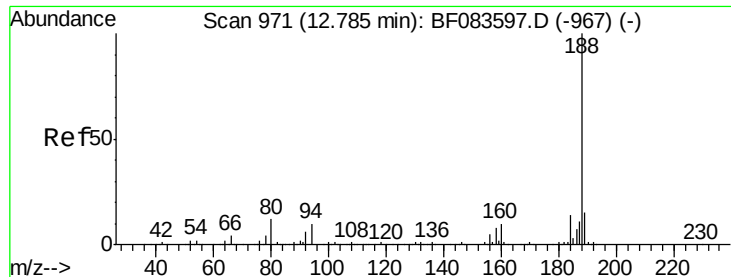
Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion:	166	Resp:	186896
Ion Ratio	Lower	Upper	
166	100		
165	98.2	80.0	120.0
167	13.4	10.6	16.0





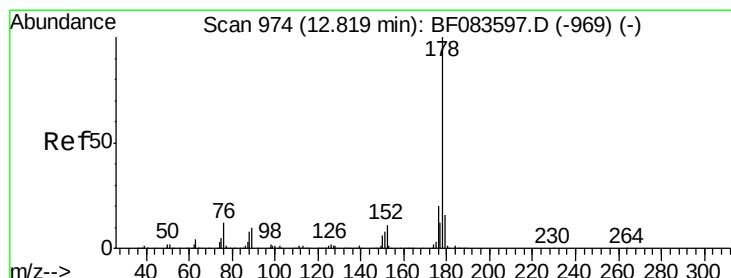
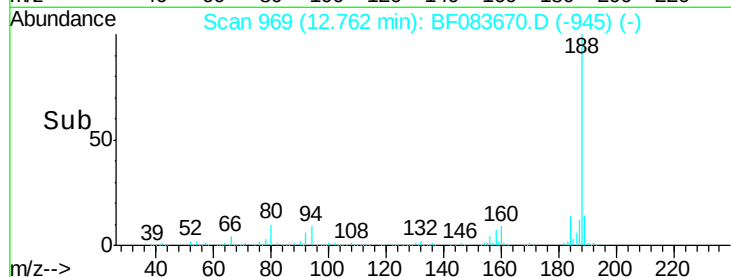
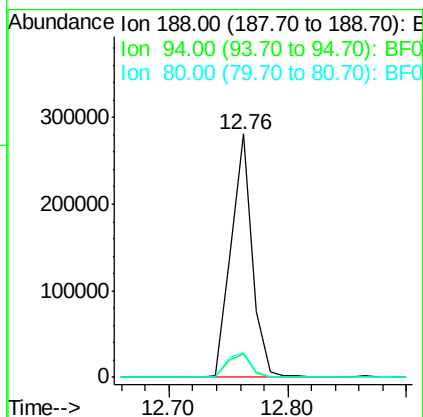
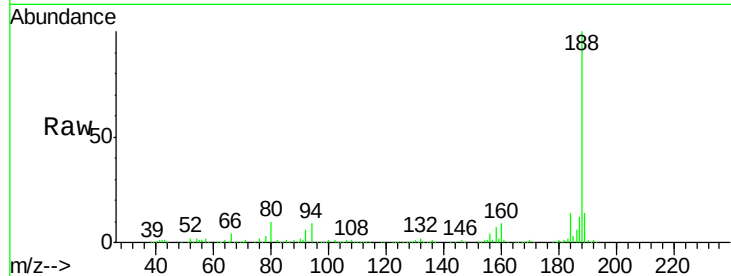
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	9.4	14.2
80	10.3	10.6	16.0

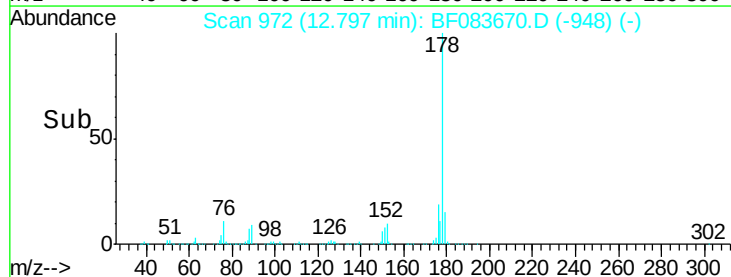
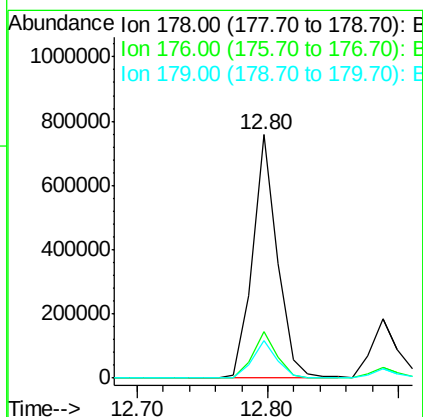
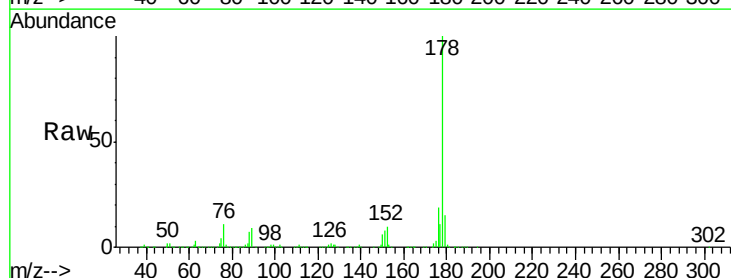
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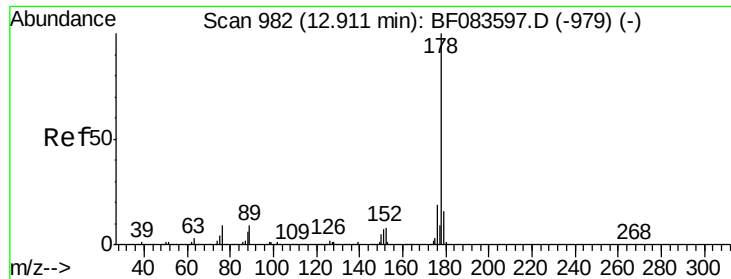
MMdadoda
12/10/2015 5:50:40 PM



#70
Phenanthrene
Concen: 50.30 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.4	12.2	18.4





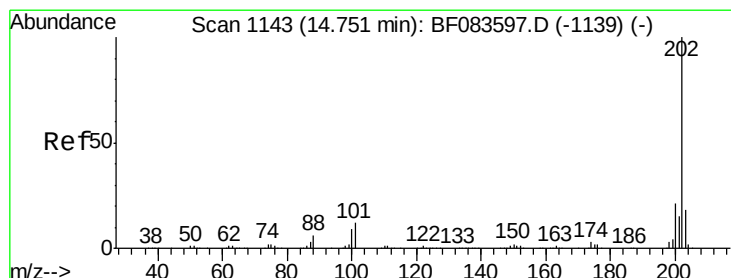
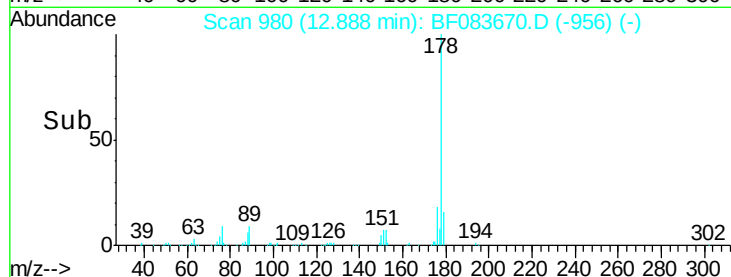
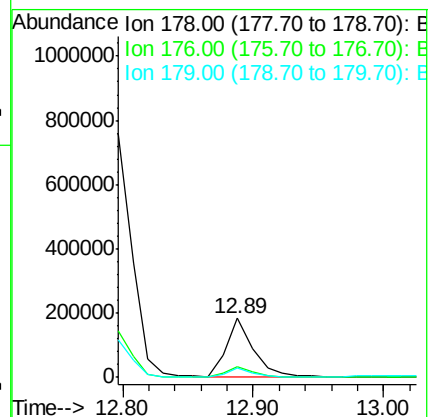
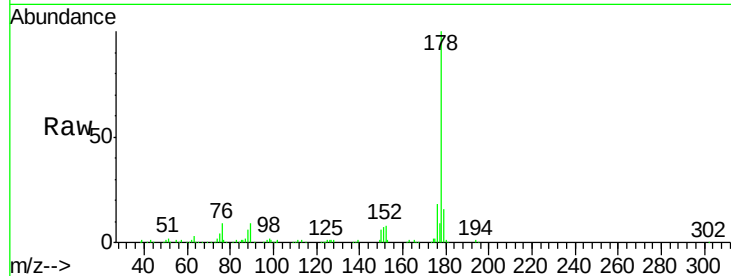
#71
 Anthracene
 Concen: 12.76 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	16.4	12.6	18.8

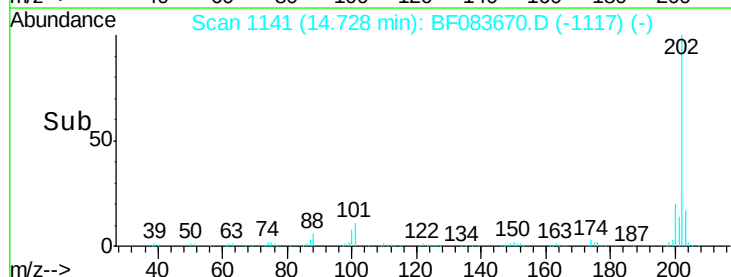
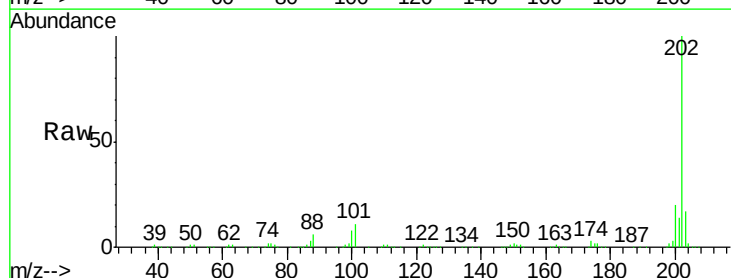
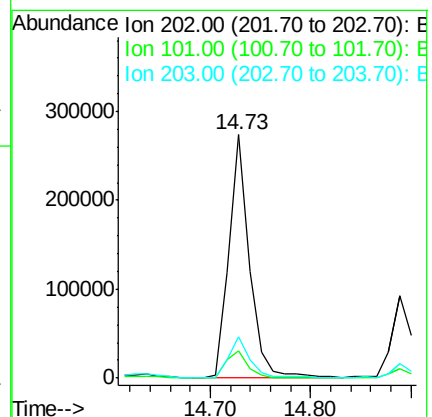
Manual Integrations
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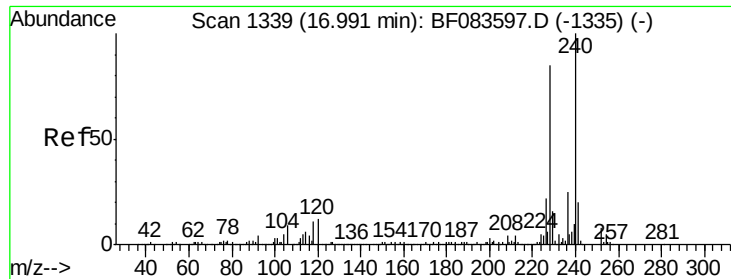
MMdadoda
 12/10/2015 5:50:40 PM



#74
 Fluoranthene
 Concen: 18.92 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.2	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: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

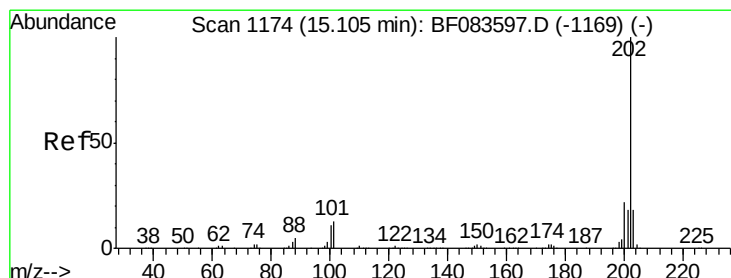
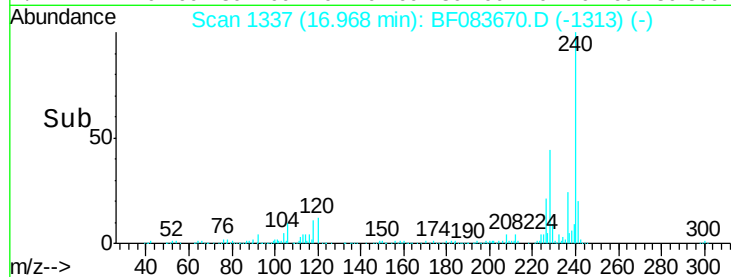
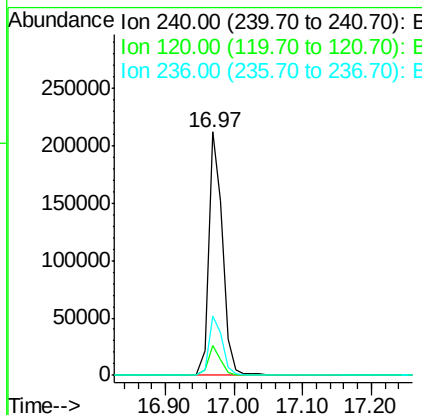
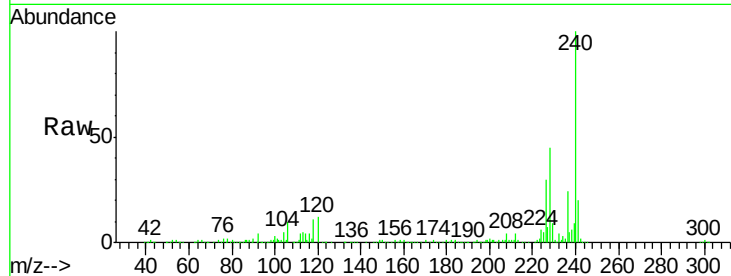
ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion:	240	Resp:	294700
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.1	12.1#
236	24.4	20.8	31.2

Manual Integrations
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MMdadoda
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#77

Pyrene

Concen: 25.45 ng

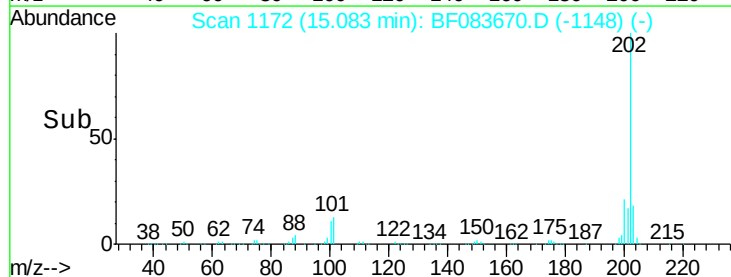
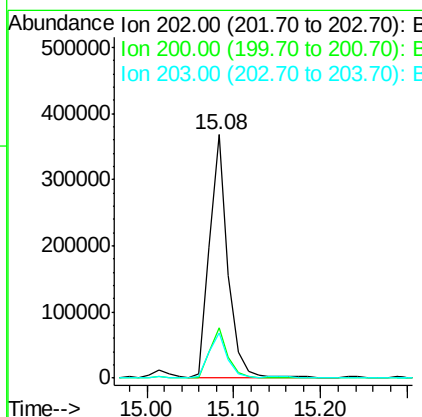
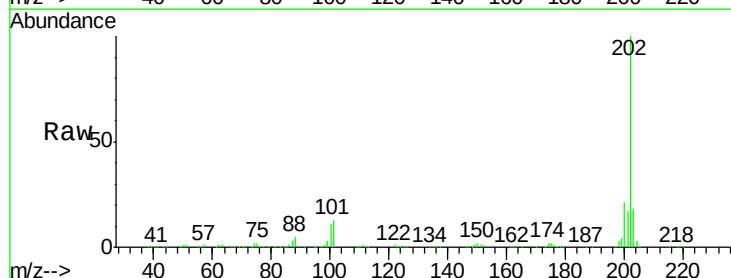
RT: 15.08 min Scan# 1172

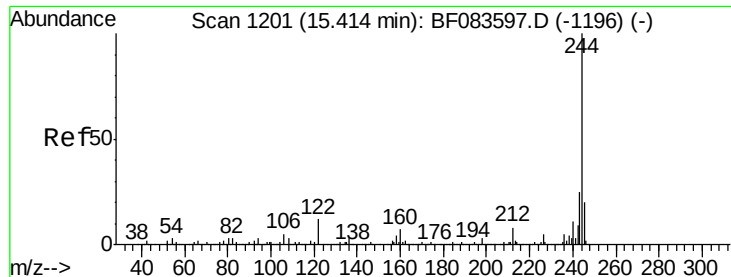
Delta R.T. -0.02 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion:	202	Resp:	540021
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	18.4	14.3	21.5





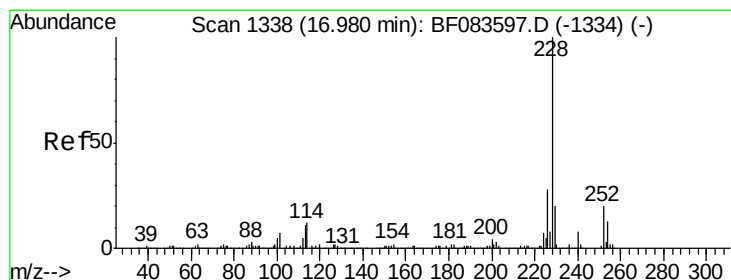
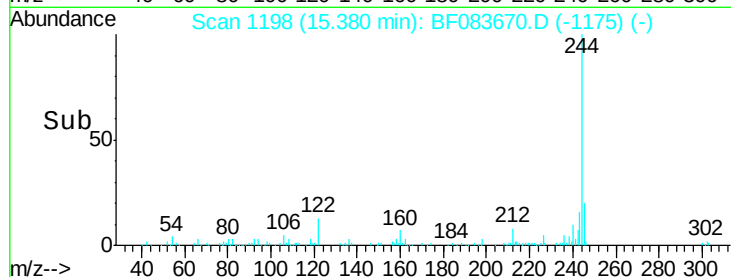
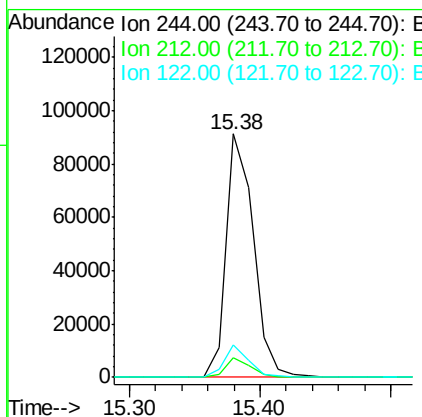
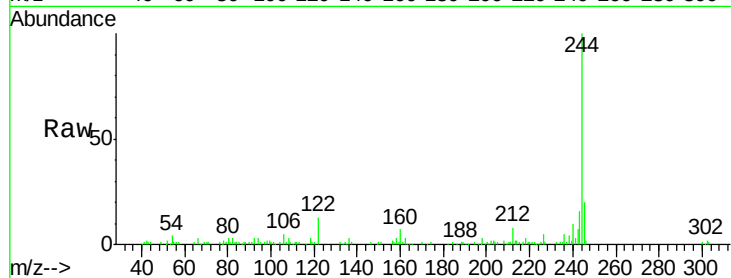
#78
 Terphenyl-d14
 Concen: 10.58 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	13.1	11.0	16.6

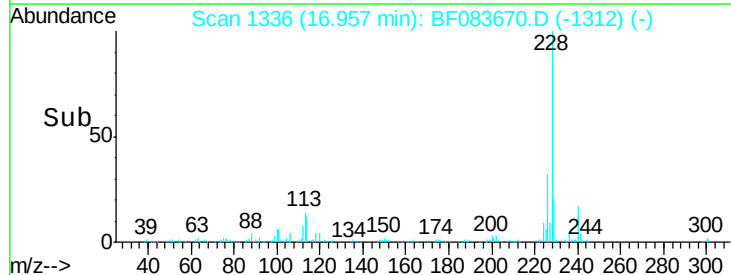
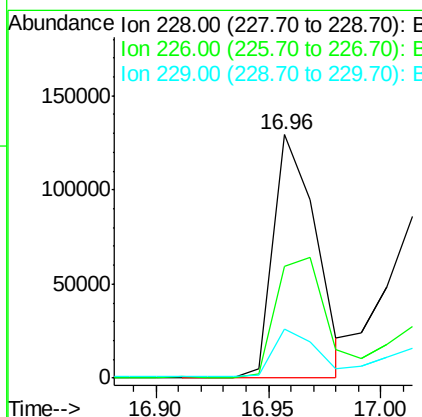
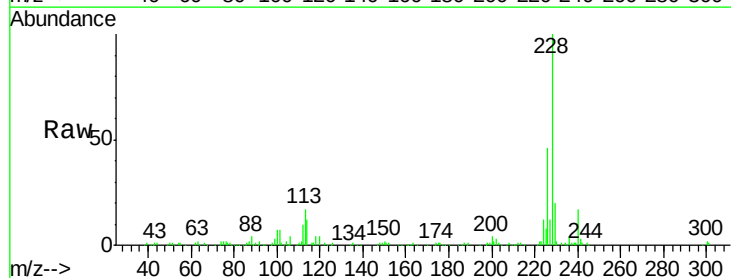
Manual Integrations
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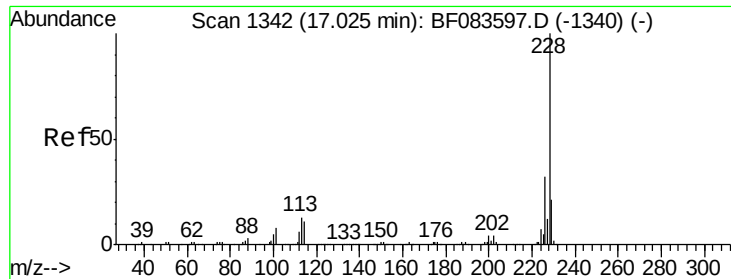
MMdadoda
 12/10/2015 5:50:40 PM



#80
 Benzo(a)anthracene
 Concen: 10.01 ng m
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083670.D
 Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	46.0	22.3	33.5#
229	20.2	15.7	23.5





#82

Chrysene

Concen: 7.50 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Instrument :

BNA_F

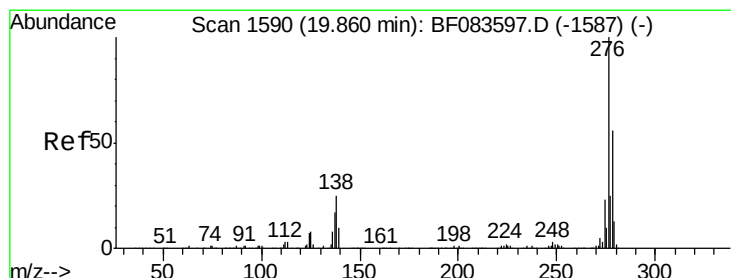
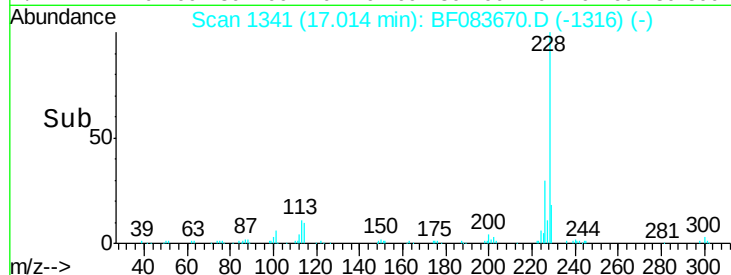
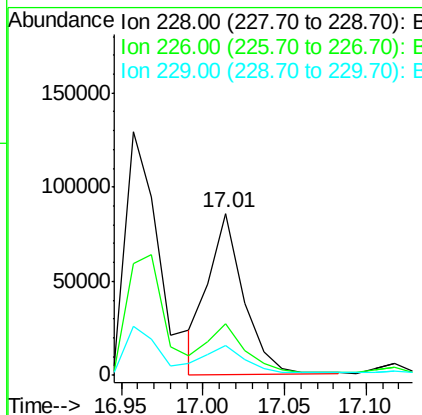
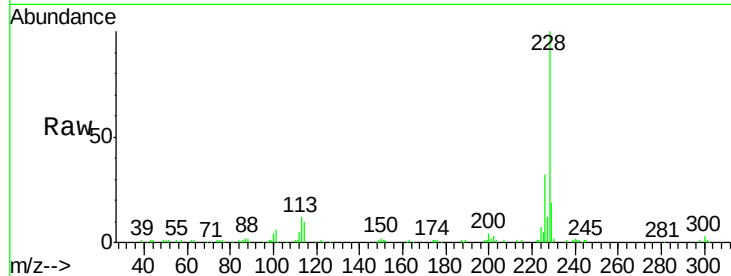
ClientSampleId :

SB-P3WC-01(8-12.5)DL

Tot Ion:	228	Resp:	129680
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.7	37.1
229	18.8	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.32 ng

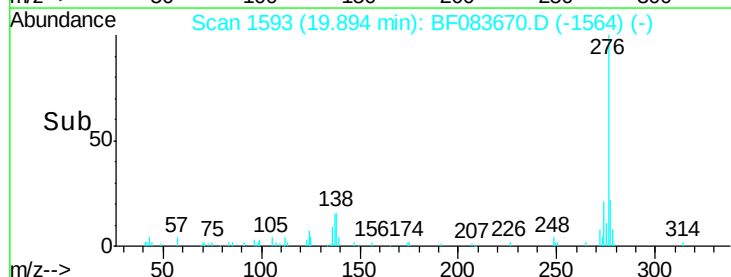
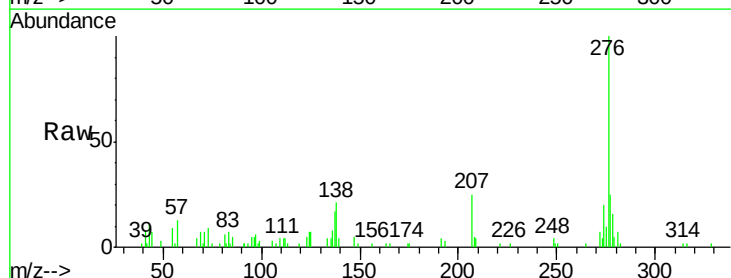
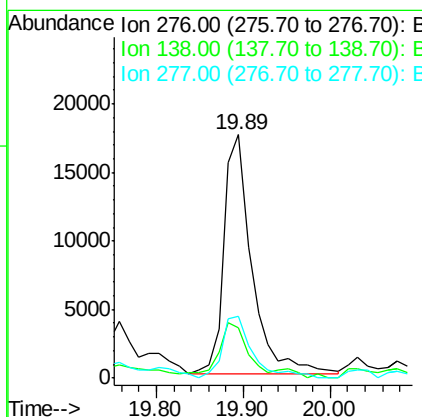
RT: 19.89 min Scan# 1593

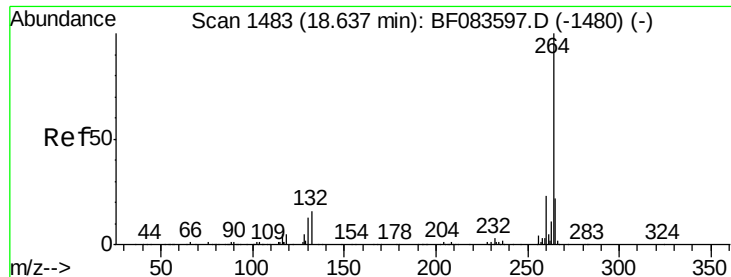
Delta R.T. 0.03 min

Lab File: BF083670.D

Acq: 10 Dec 2015 7:14

Tgt Ion:	276	Resp:	38762
Ion Ratio	Lower	Upper	
276	100		
138	28.3	0.0	0.0#
277	28.7	0.0	0.0#





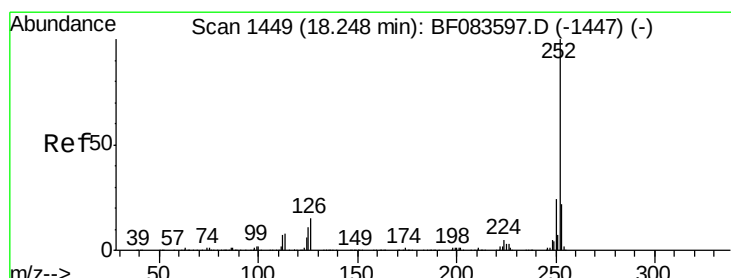
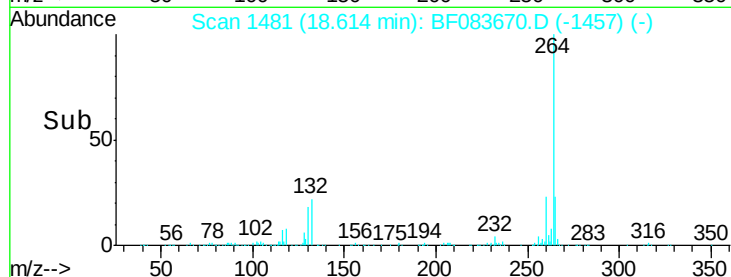
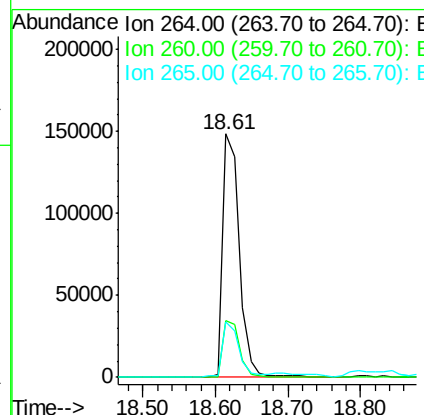
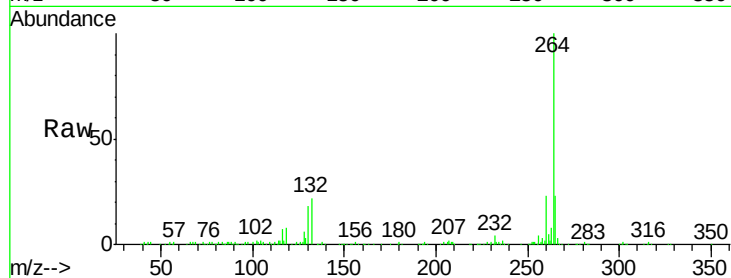
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	22.5	17.8	26.6

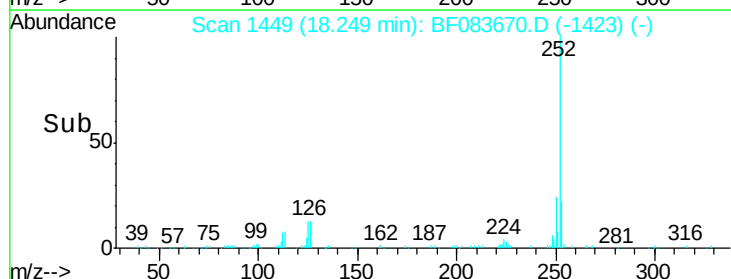
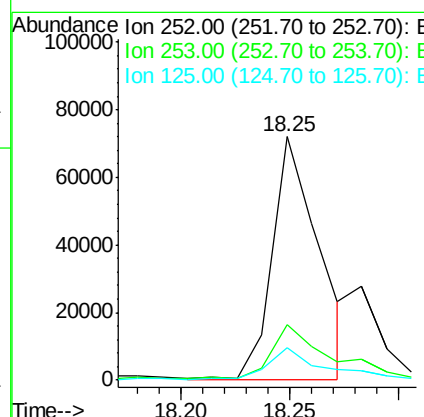
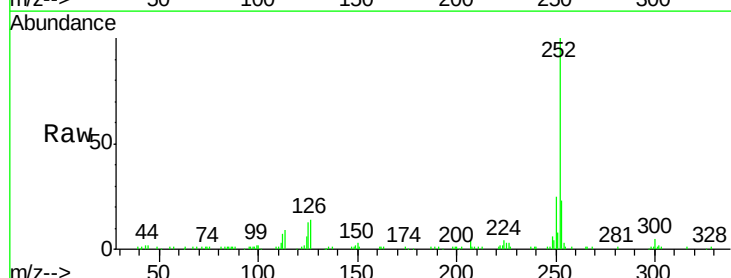
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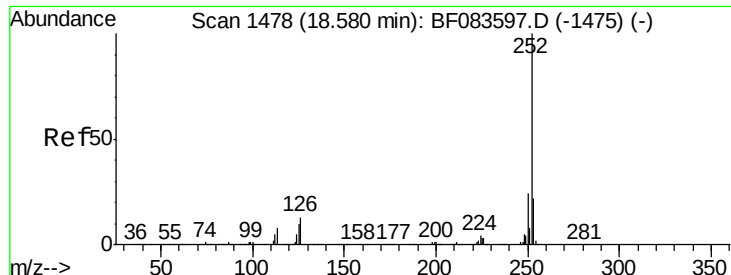
MMdadoda
12/10/2015 5:50:40 PM



#87
Benzo(b)fluoranthene
Concen: 7.91 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	13.3	8.2	12.4#





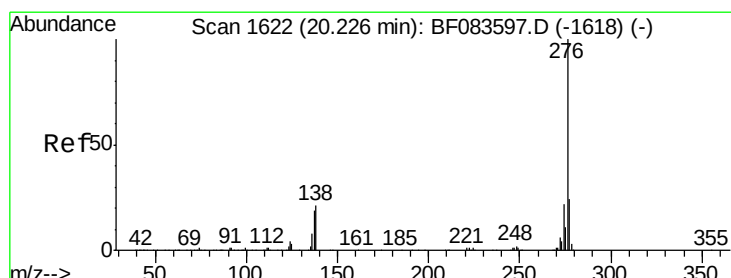
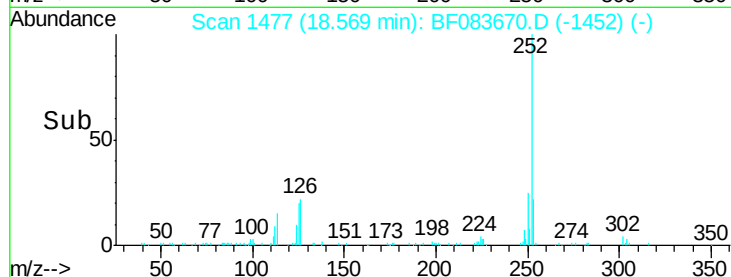
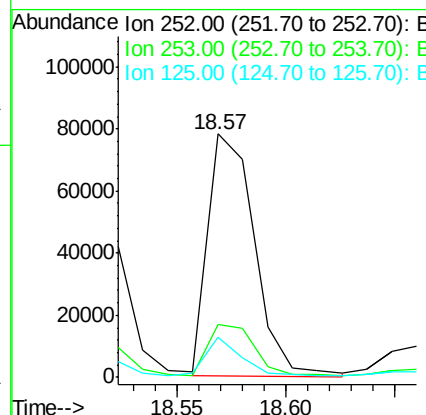
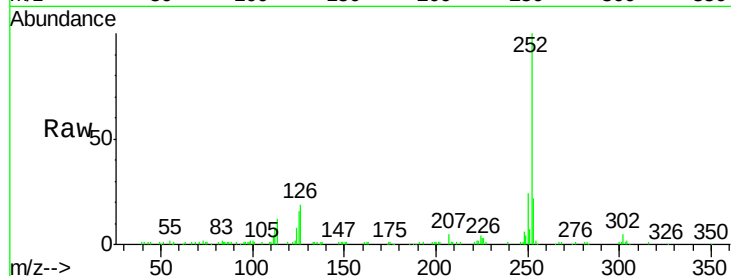
#89
Benzo(a)pyrene
Concen: 8.78 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(8-12.5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	16.4	11.0	16.6

Manual Integrations
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12/10/2015 5:50:40 PM



#91
Benzo(g,h,i)perylene
Concen: 4.64 ng
RT: 20.25 min Scan# 1624
Delta R.T. 0.02 min
Lab File: BF083670.D
Acq: 10 Dec 2015 7:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	22.5	19.5	29.3

