

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083672.D
 Acq On : 10 Dec 2015 8:15
 Operator : UM/IZ
 Sample : G4582-03DL2 25X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Manual Integrations
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MMdadoda
 12/10/2015 5:50:48 PM

Quant Time: Dec 10 12:27:35 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	124154	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	481589	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	215476	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	335796	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	297176	20.00	ng	-0.02
86) Perylene-d12	18.63	264	234796	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.06	112	26276	3.21	ng	0.09
7) Phenol-d6	5.33	99	47658	4.36	ng	0.06
23) Nitrobenzene-d5	6.57	82	33562	3.25	ng	0.03
41) 2,4,6-Tribromophenol	11.70	330	4294	2.24	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	66697	4.36	ng	-0.02
78) Terphenyl-d14	15.39	244	44322	3.51	ng	-0.02
Target Compounds						
31) Naphthalene	7.61	128	1334801	52.33	ng	99
37) 2-Methylnaphthalene	8.72	142	165026	10.30	ng	99
45) 1,1'-Biphenyl	9.48	154	38606	2.06	ng	97
48) Acenaphthylene	10.14	152	83666	3.59	ng	97
51) Acenaphthene	10.42	154	32282	2.42	ng	94
57) Fluorene	11.26	166	59515	3.68	ng	98
70) Phenanthrene	12.80	178	271026	14.05	ng	98
71) Anthracene	12.90	178	64707	3.24	ng	98
74) Fluoranthene	14.74	202	98513	4.99	ng	97
77) Pyrene	15.08	202	140841	6.58	ng	98
80) Benzo(a)anthracene	16.97	228	41859m	2.41	ng	
82) Chrysene	17.03	228	36844	2.11	ng	96
89) Benzo(a)pyrene	18.58	252	30083	2.31	ng	98

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

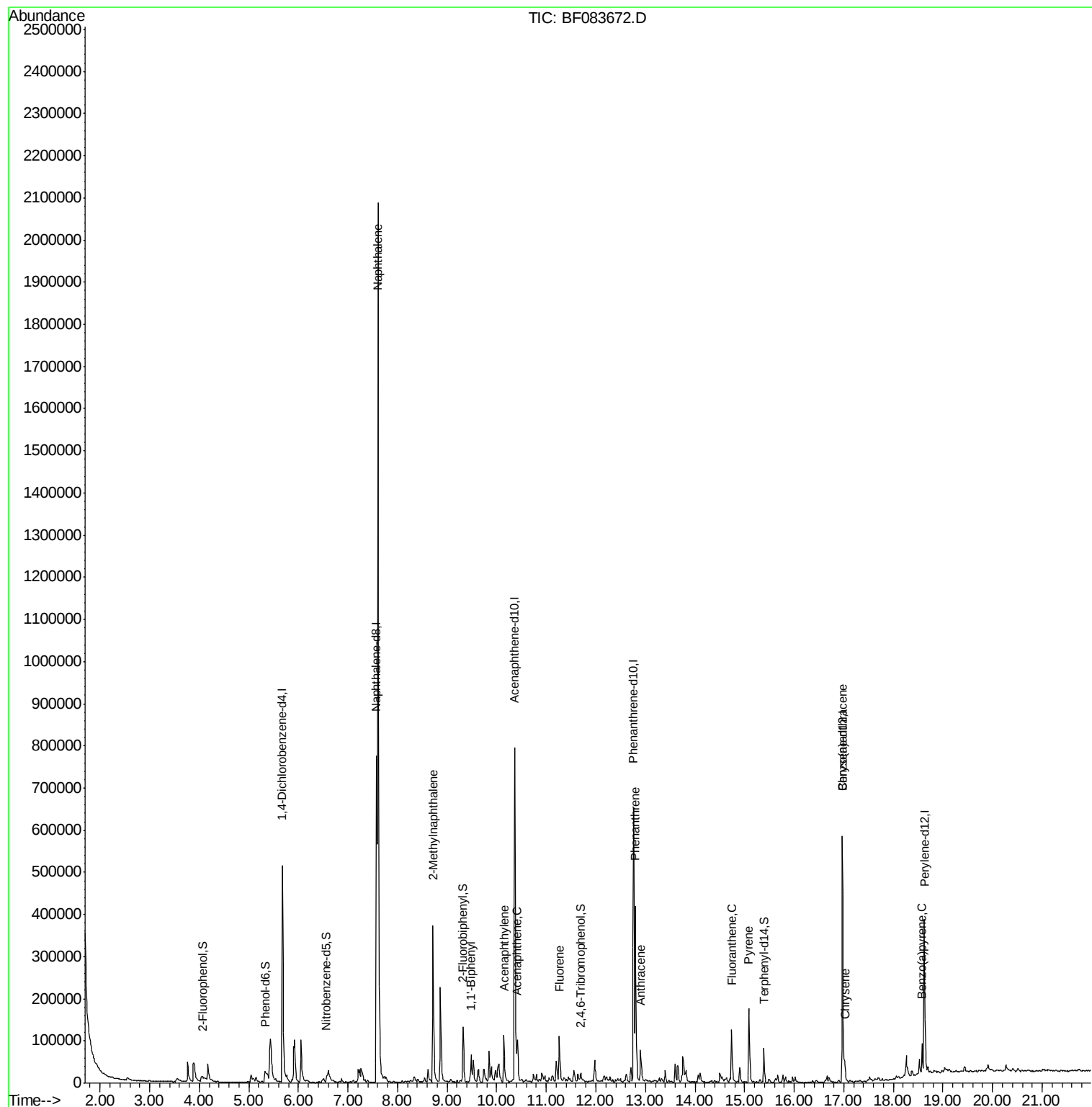
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083672.D
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Sample : G4582-03DL2 25X
Misc :
ALS Vial : 36 Sample Multiplier: 1

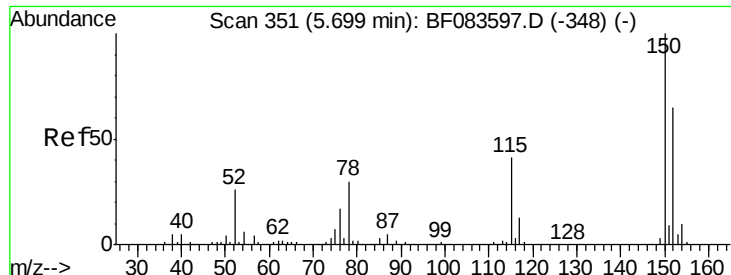
Instrument :
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SB-P3WC-02(8-11)DL2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

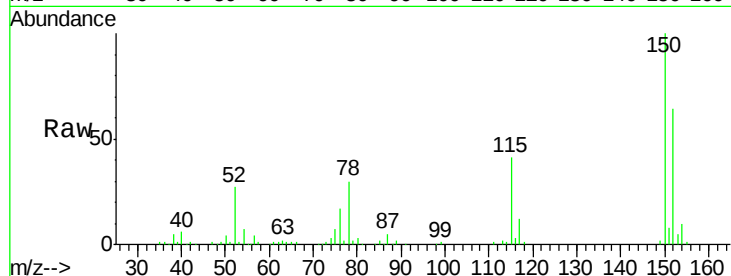
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.5	189.7
115	64.5	52.3	78.5

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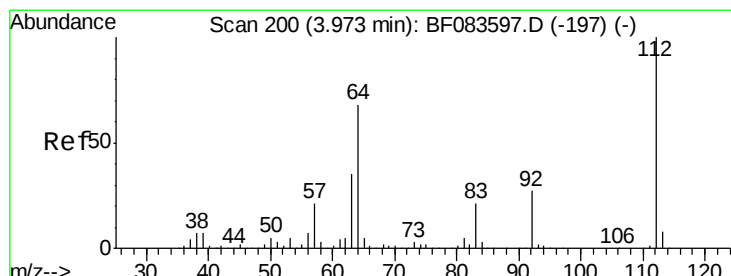
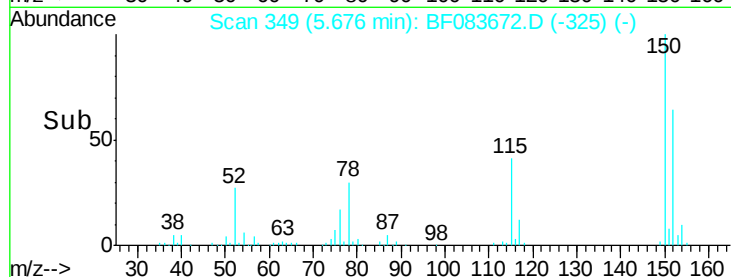
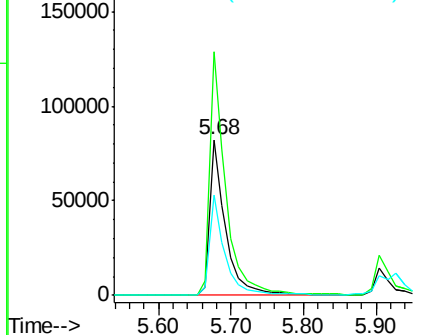


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

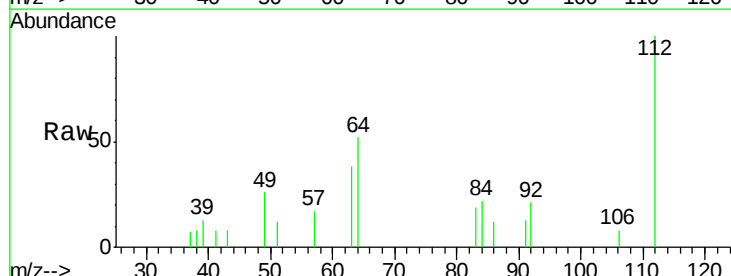
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.21 ng
RT: 4.06 min Scan# 208
Delta R.T. 0.09 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	50.5	75.7
63	38.4	25.8	38.6

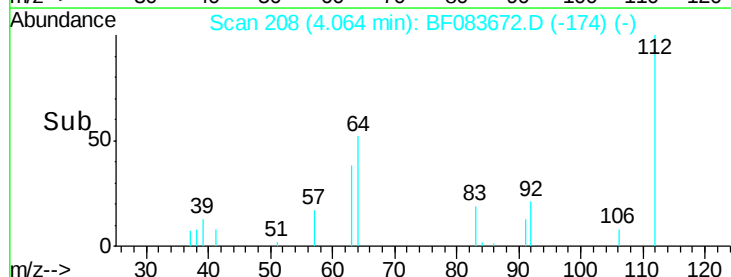
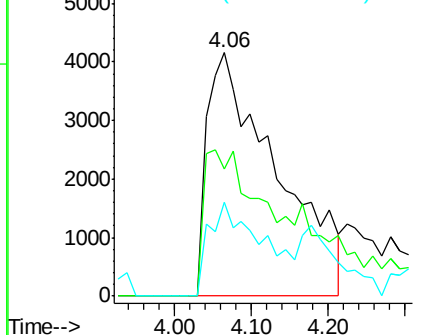


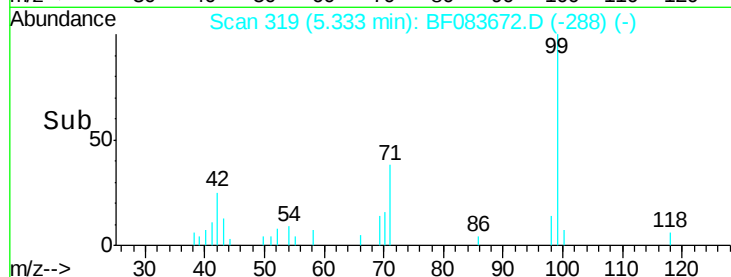
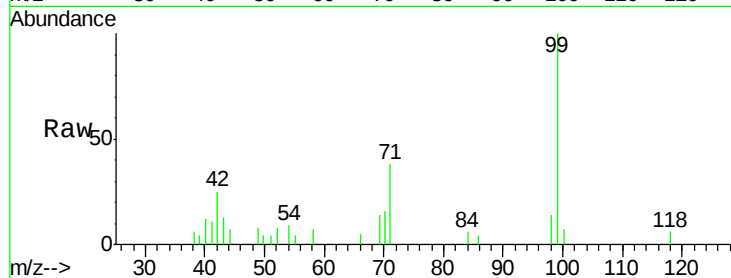
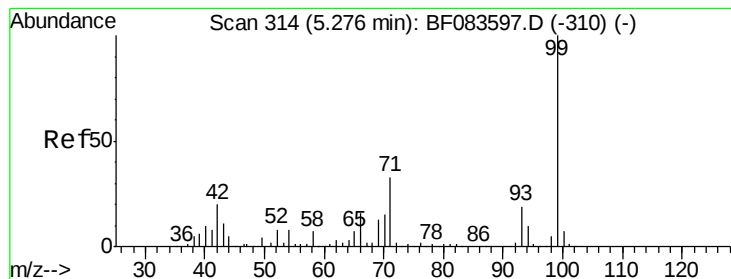
Abundance

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: 4.36 ng

RT: 5.33 min Scan# 319

Delta R.T. 0.06 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tot Ion:	99	Resp:	47658
Ion Ratio	Lower	Upper	
99	100		
42	25.2	17.3	25.9
71	38.0	26.6	40.0

Instrument :

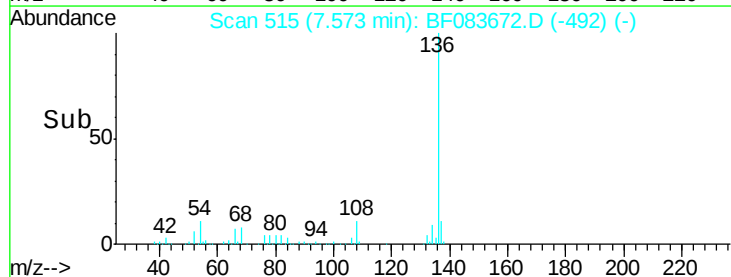
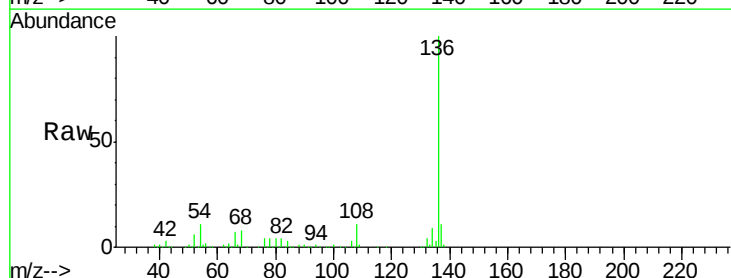
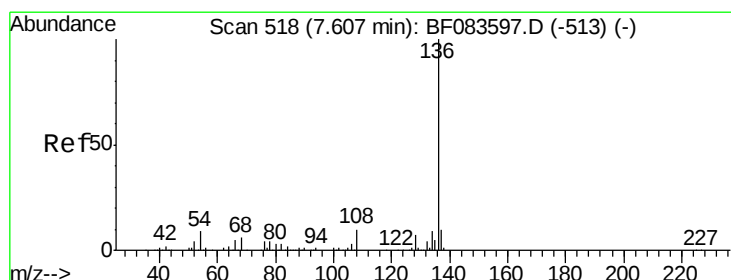
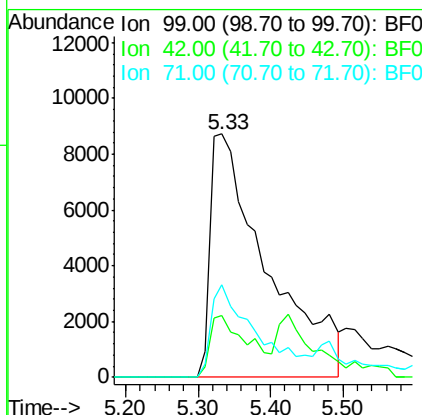
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ClientSampleId :

SB-P3WC-02(8-11)DL2

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#21

Naphthalene-d8

Concen: 20.00 ng

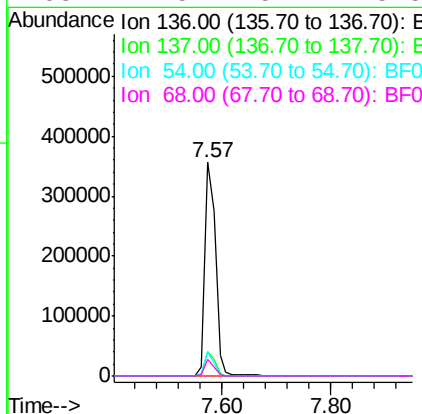
RT: 7.57 min Scan# 515

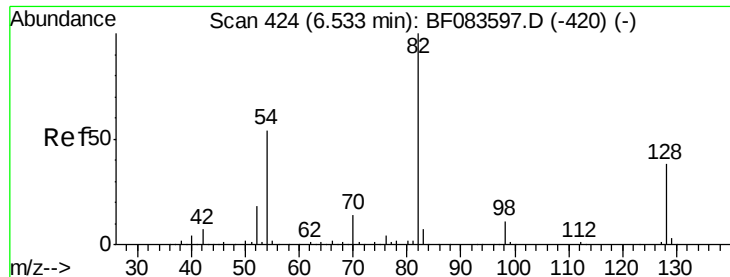
Delta R.T. -0.03 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tgt Ion:	136	Resp:	481589
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	11.2	7.8	11.6
68	7.5	5.7	8.5





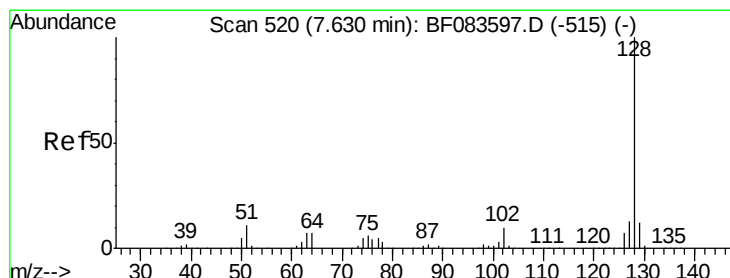
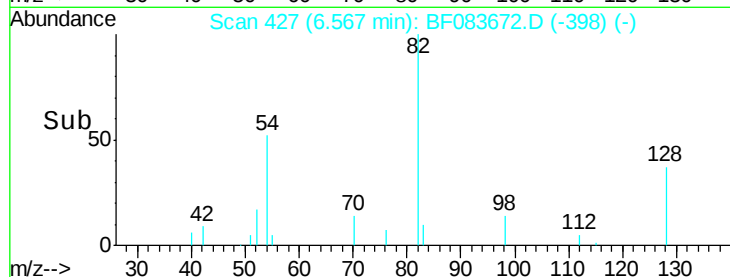
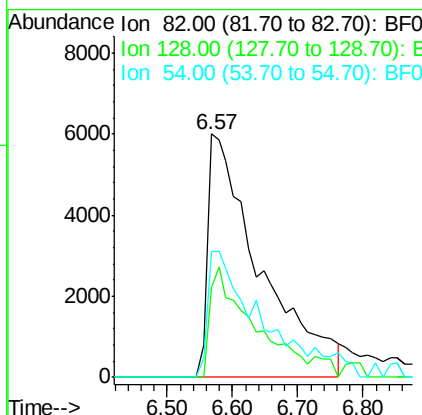
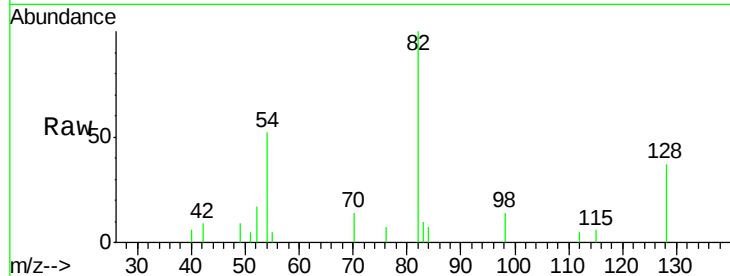
#23
 Nitrobenzene-d5
 Concen: 3.25 ng
 RT: 6.57 min Scan# 427
 Delta R.T. 0.03 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.7	46.1
54	51.7	42.5	63.7

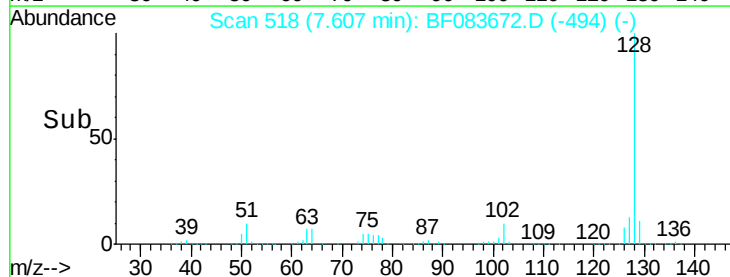
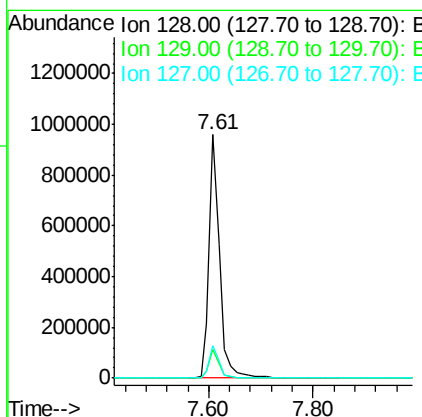
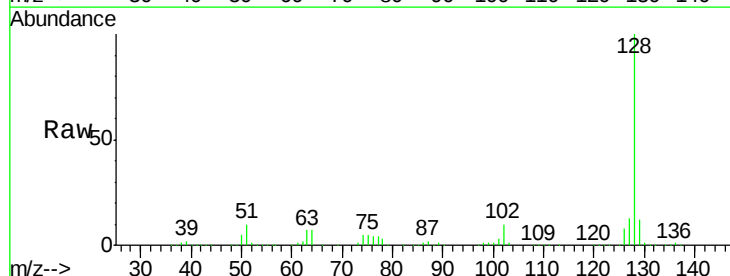
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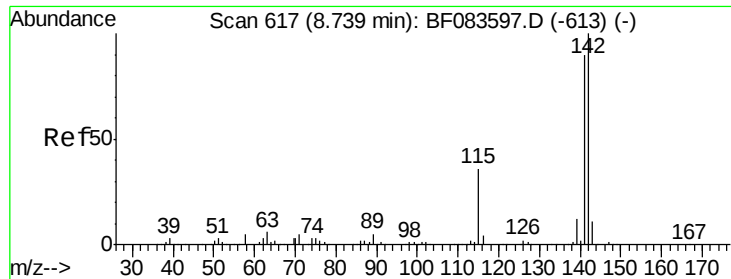
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#31
 Naphthalene
 Concen: 52.33 ng
 RT: 7.61 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.6	16.0





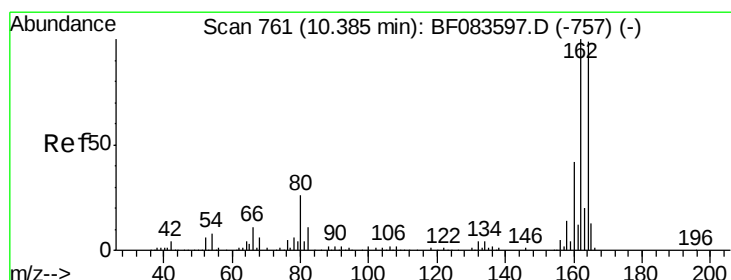
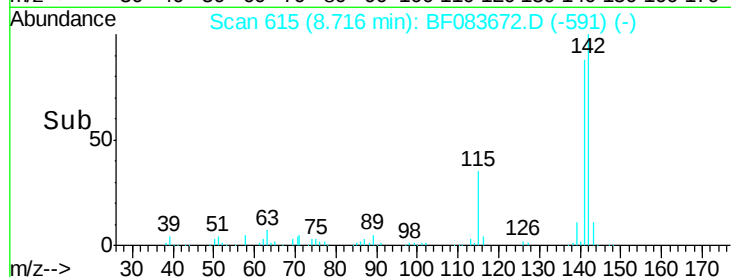
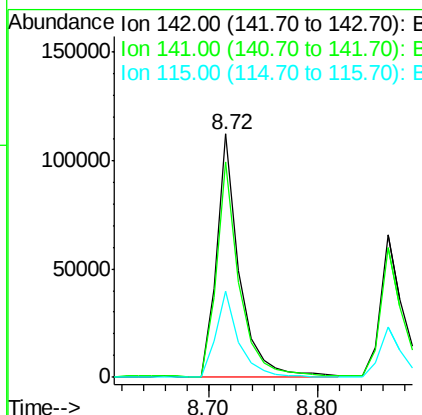
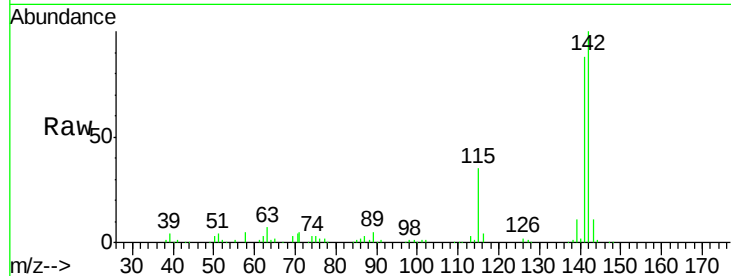
#37
2-Methylnaphthalene
Concen: 10.30 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	35.4	29.2	43.8

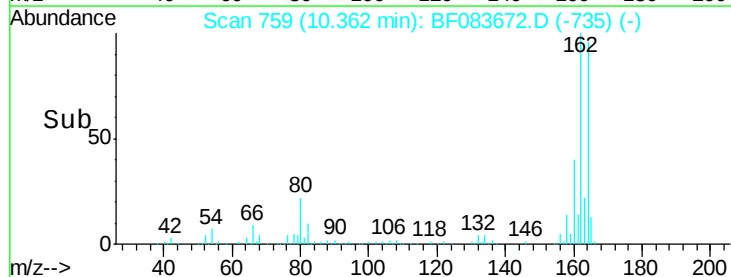
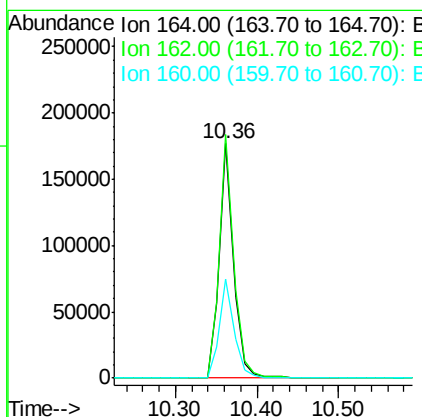
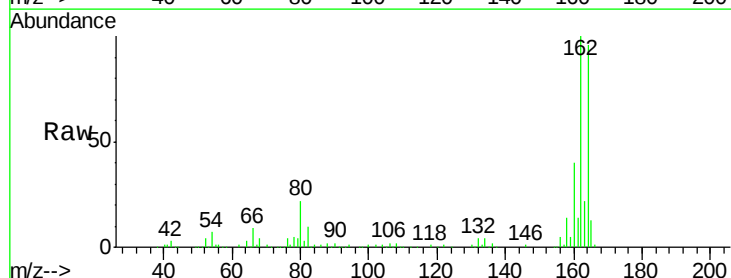
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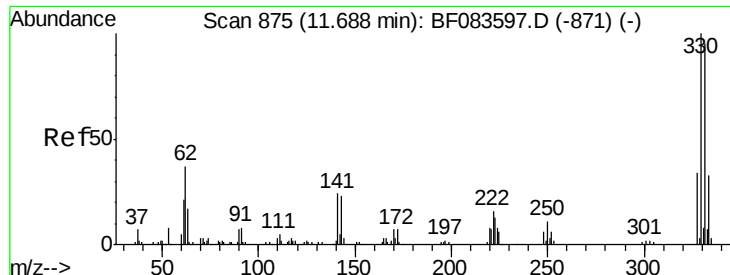
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	42.0	33.4	50.2





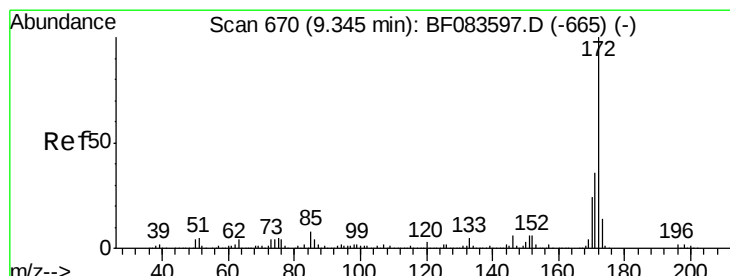
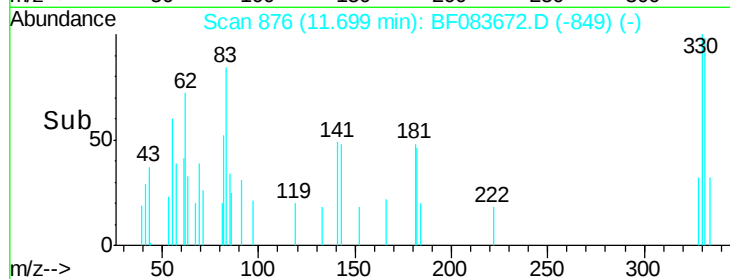
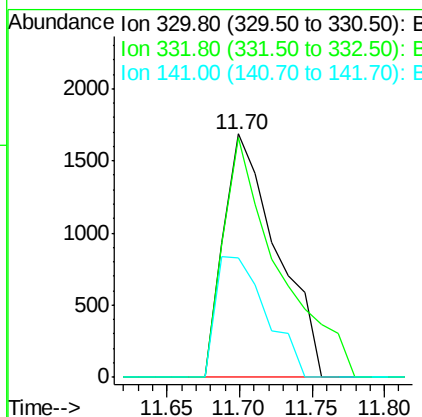
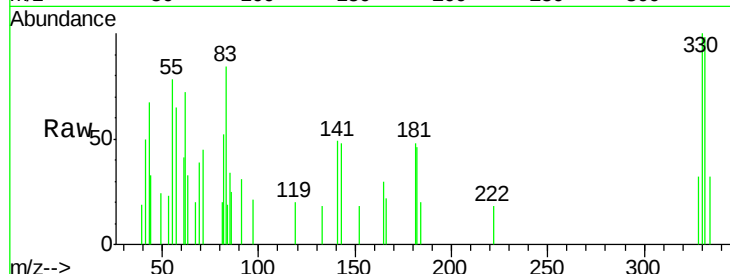
#41
 2,4,6-Tribromophenol
 Concen: 2.24 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	0.0	0.0#
141	46.7	0.0	0.0#

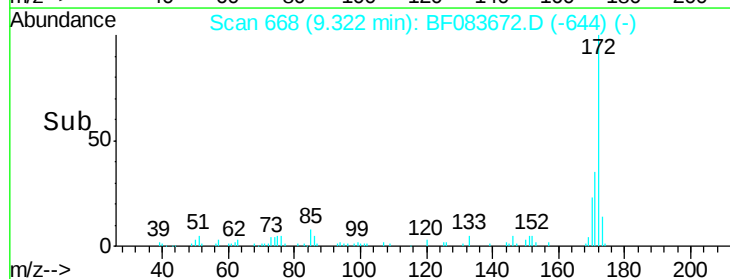
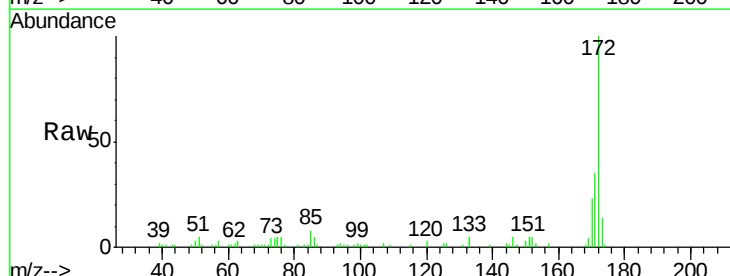
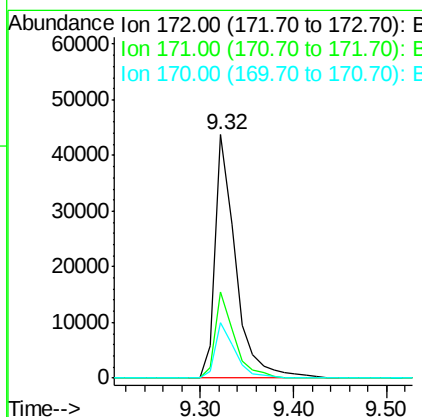
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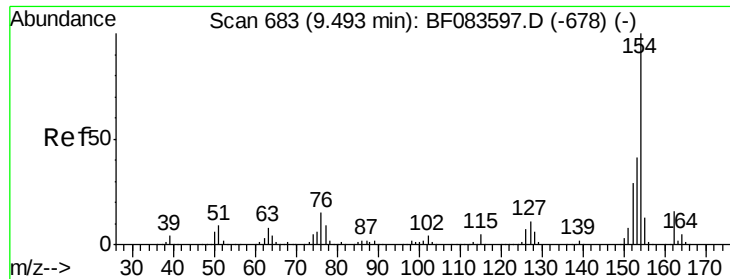
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#44
 2-Fluorobiphenyl
 Concen: 4.36 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.0	19.4	29.0





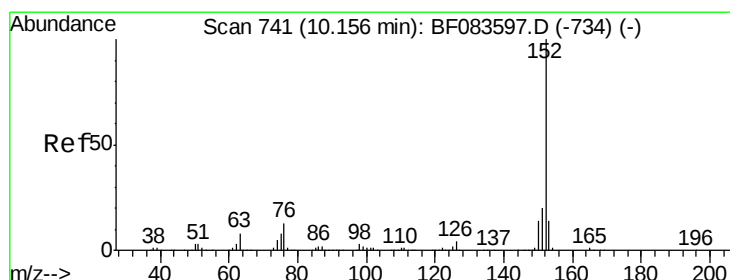
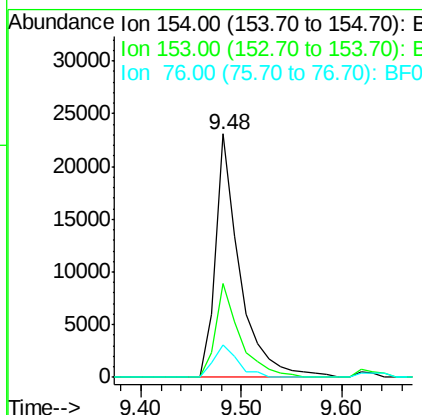
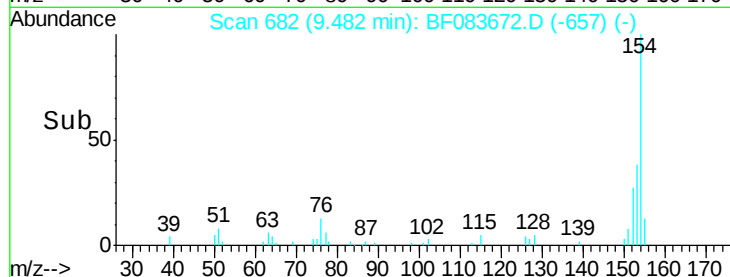
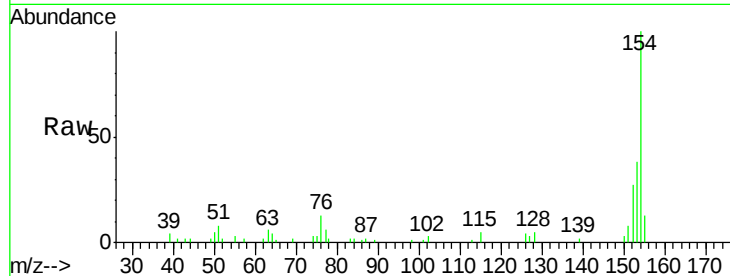
#45
1,1'-Biphenyl
Concen: 2.06 ng
RT: 9.48 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	38.4	20.2	60.2
76	13.3	0.0	34.8

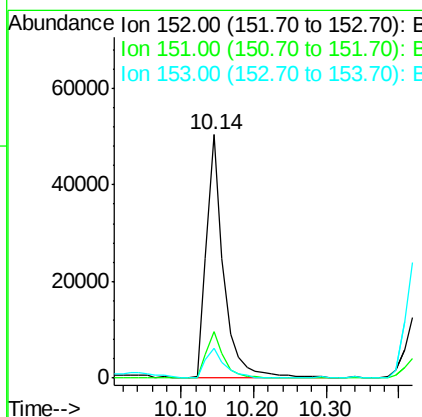
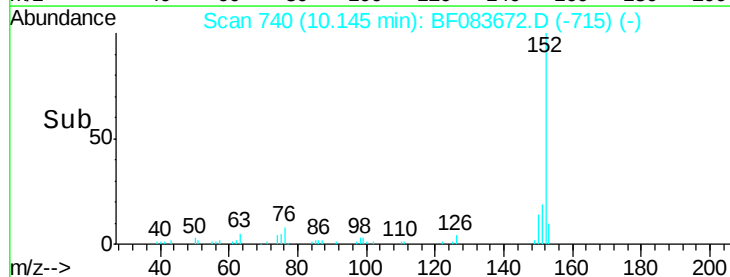
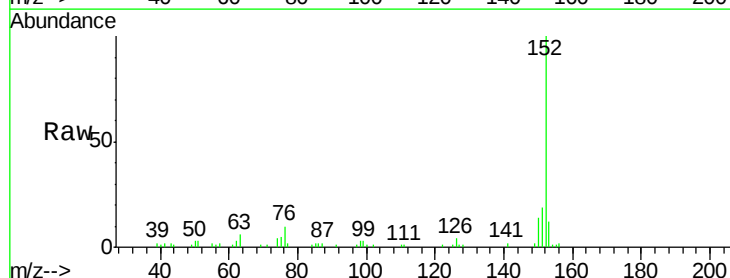
Manual Integrations
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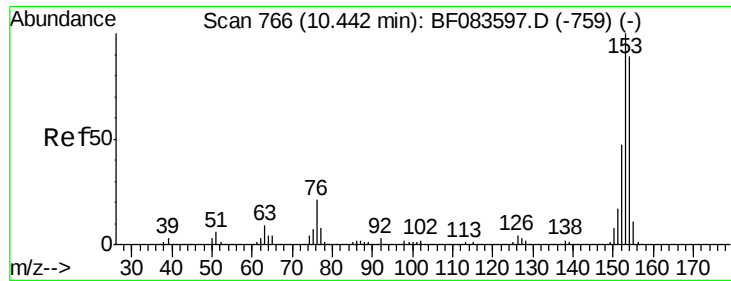
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#48
Acenaphthylene
Concen: 3.59 ng
RT: 10.14 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	19.1	16.3	24.5
153	12.1	10.8	16.2





#51

Acenaphthene

Concen: 2.42 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

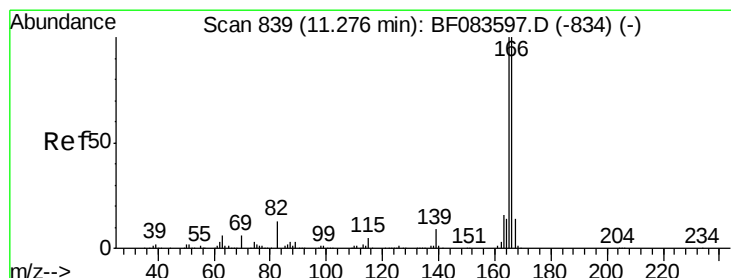
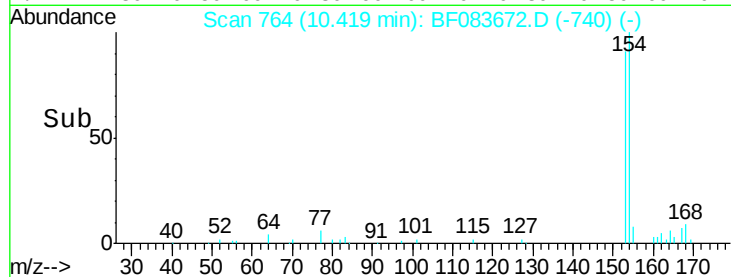
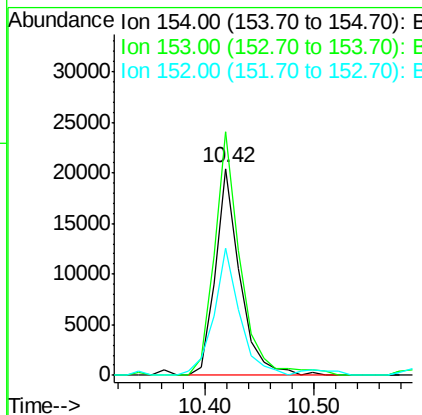
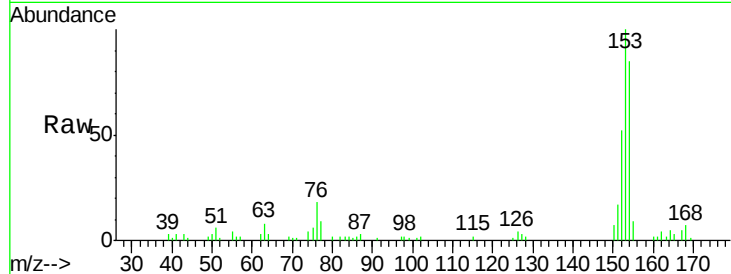
ClientSampleId :

SB-P3WC-02(8-11)DL2

Tot Ion:	154	Resp:	32282
Ion Ratio	Lower	Upper	
154	100		
153	117.8	91.4	137.0
152	61.6	43.4	65.2

Manual Integrations
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#57

Fluorene

Concen: 3.68 ng

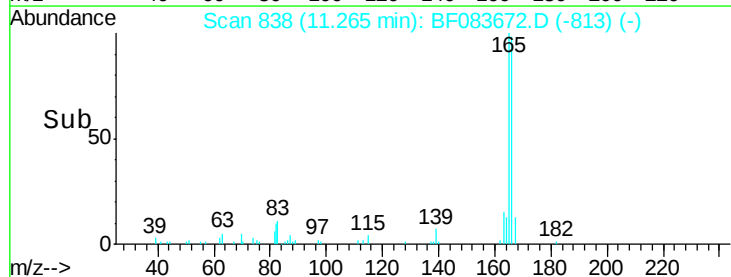
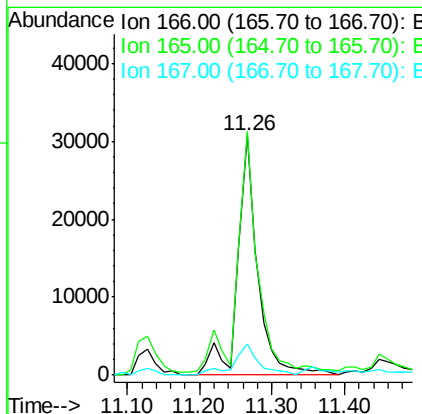
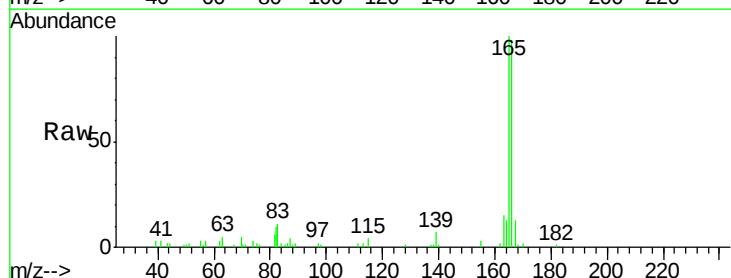
RT: 11.26 min Scan# 838

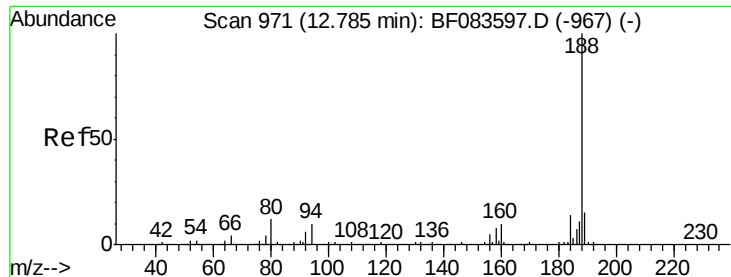
Delta R.T. -0.01 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tgt Ion:	166	Resp:	59515
Ion Ratio	Lower	Upper	
166	100		
165	101.6	80.0	120.0
167	12.9	10.6	16.0





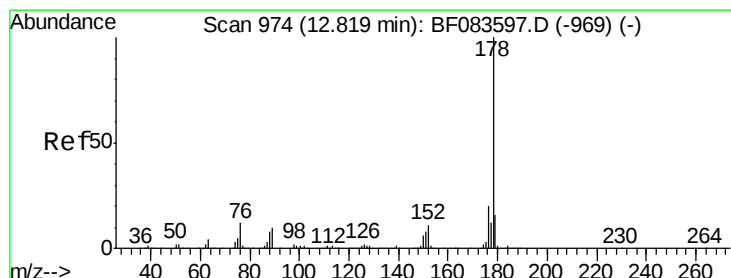
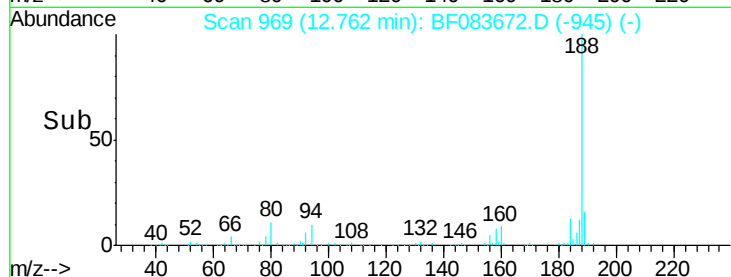
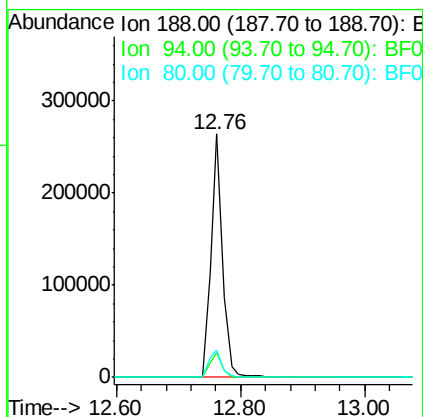
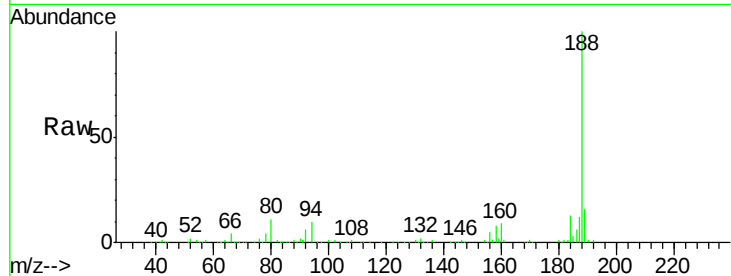
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.4	10.6	16.0

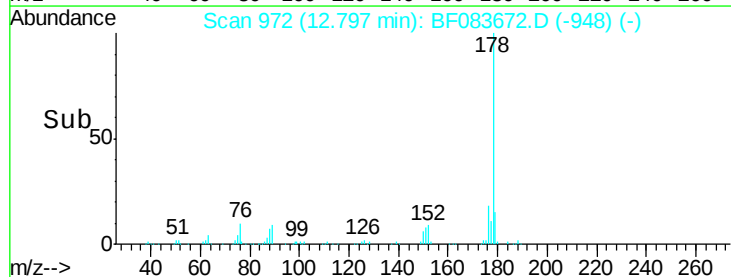
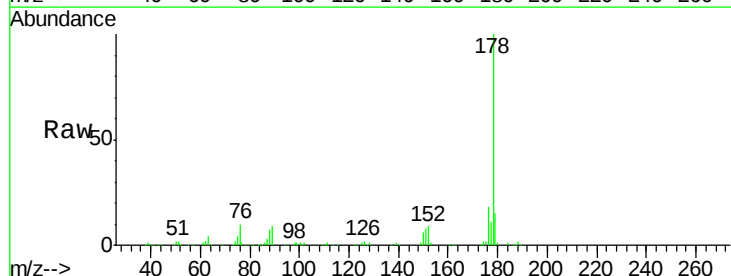
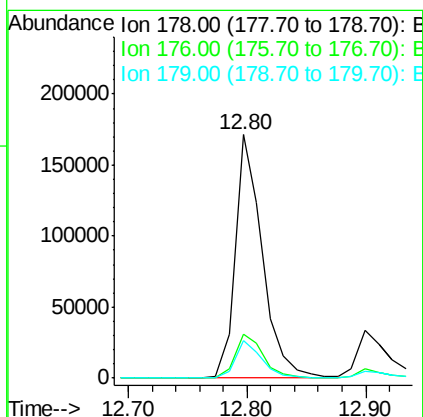
Manual Integrations
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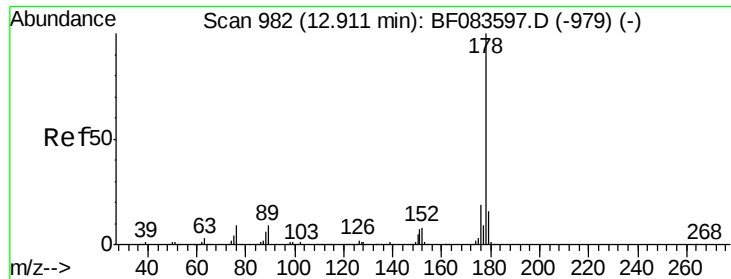
MMdadoda
12/10/2015 5:50:48 PM



#70
Phenanthrene
Concen: 14.05 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.4	12.2	18.4





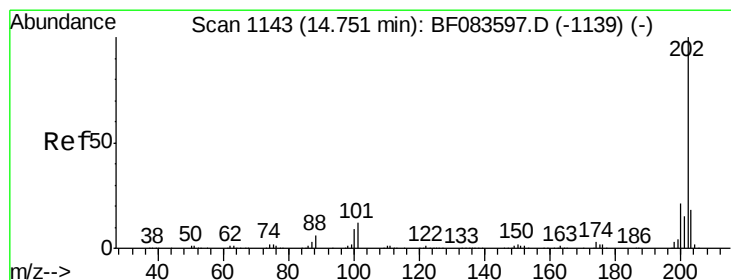
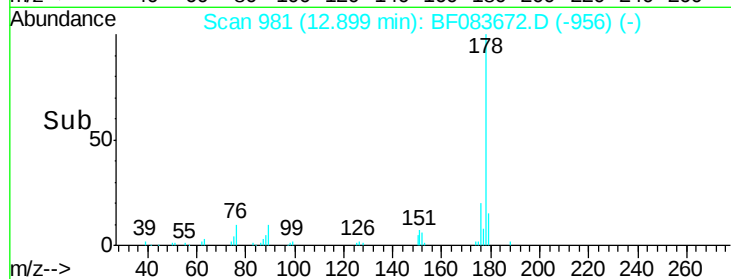
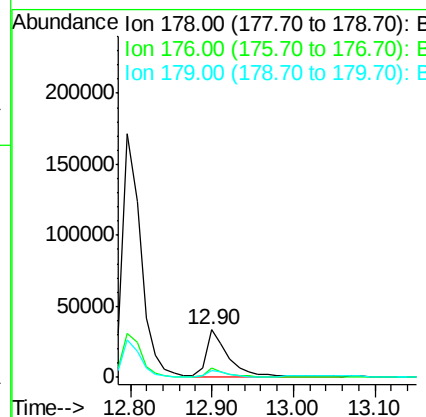
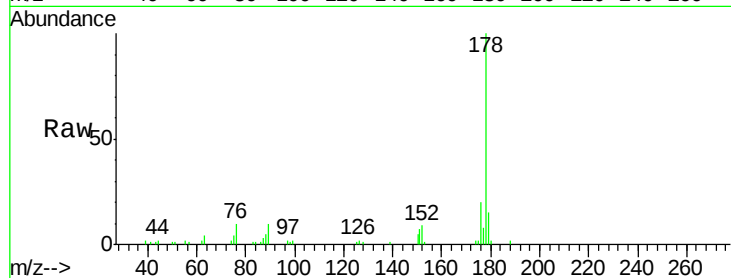
#71
 Anthracene
 Concen: 3.24 ng
 RT: 12.90 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.2	22.8
179	15.2	12.6	18.8

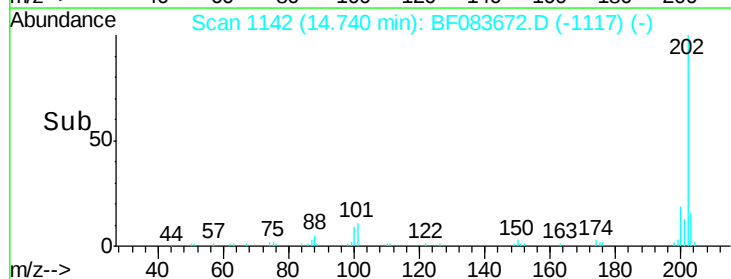
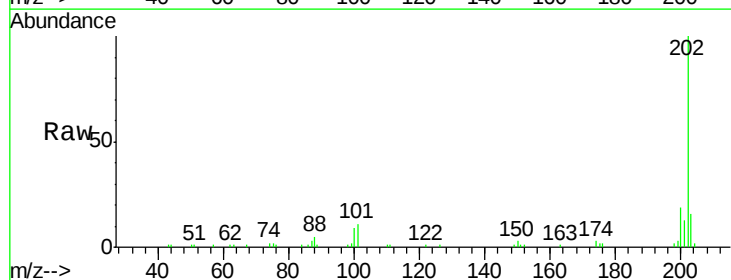
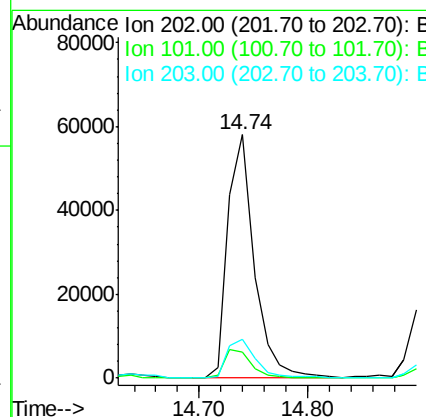
Manual Integrations
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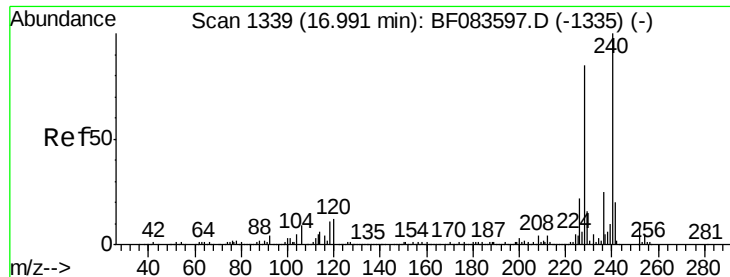
MMdadoda
 12/10/2015 5:50:48 PM



#74
 Fluoranthene
 Concen: 4.99 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.5
203	16.1	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: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

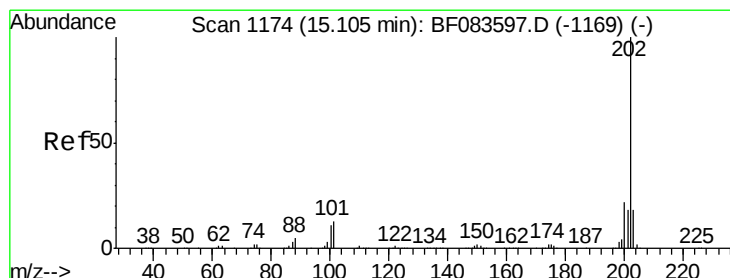
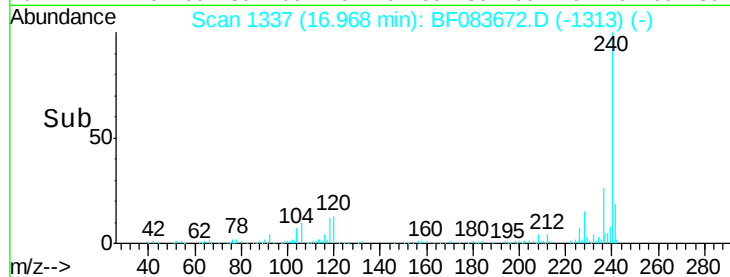
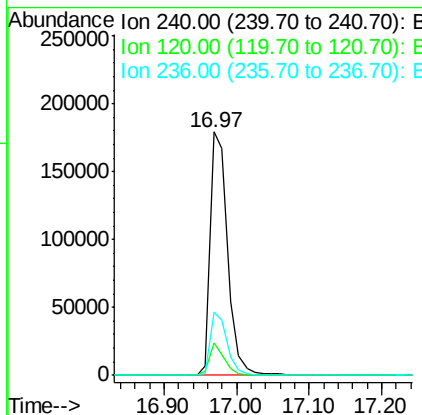
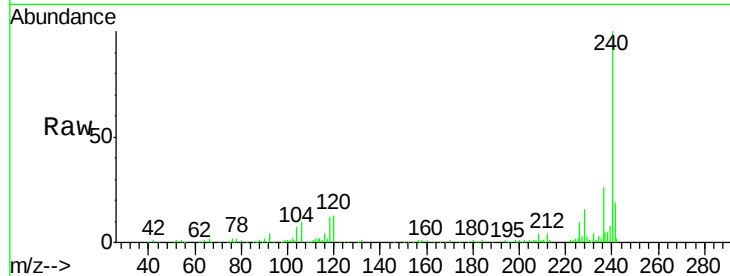
ClientSampleId :

SB-P3WC-02(8-11)DL2

Tot Ion:	240	Resp:	297176
Ion Ratio	Lower	Upper	
240	100		
120	13.5	8.1	12.1#
236	26.0	20.8	31.2

Manual Integrations
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#77

Pyrene

Concen: 6.58 ng

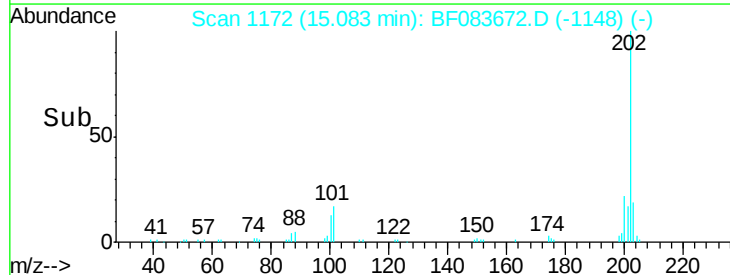
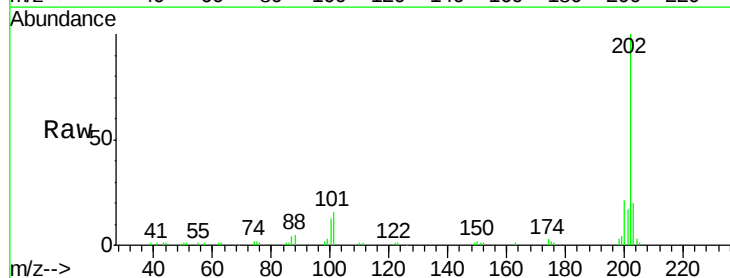
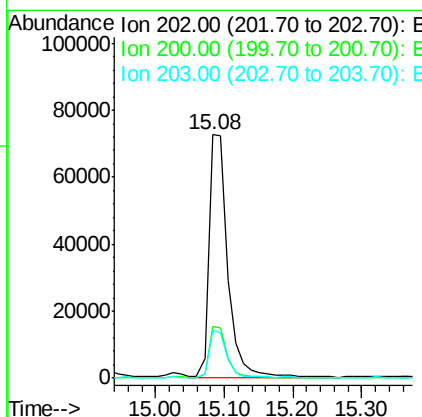
RT: 15.08 min Scan# 1172

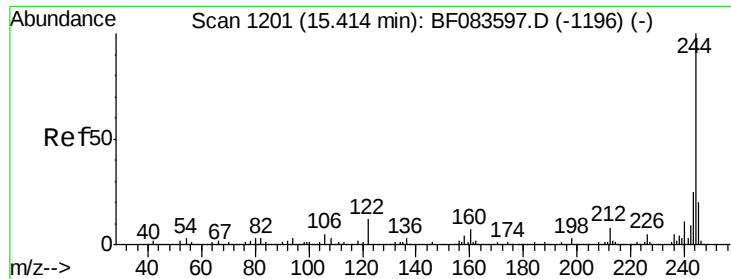
Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tgt Ion:	202	Resp:	140841
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.7	25.1
203	19.6	14.3	21.5





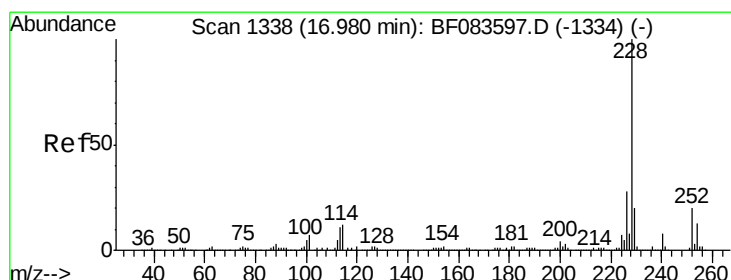
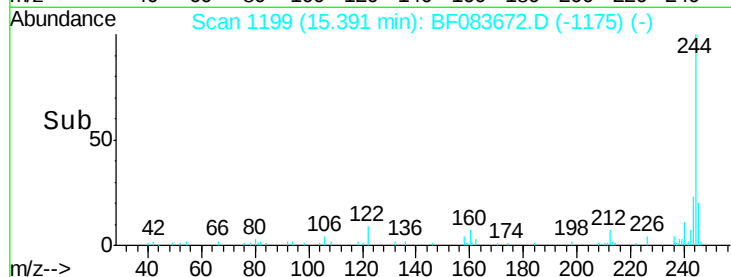
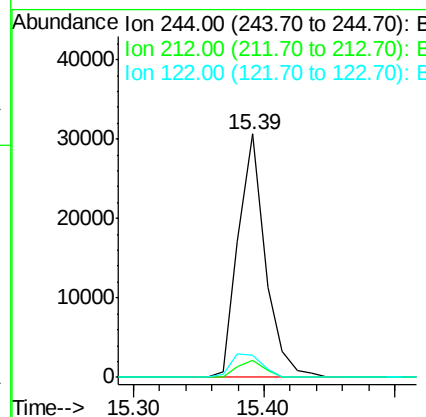
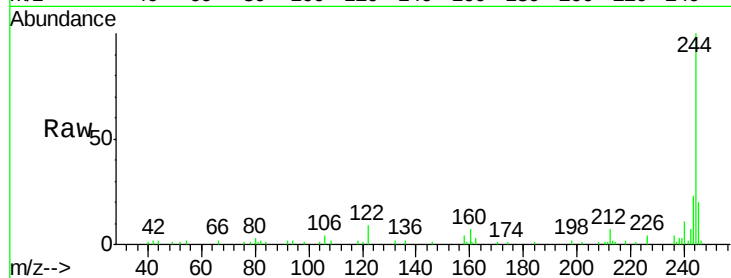
#78
 Terphenyl-d14
 Concen: 3.51 ng
 RT: 15.39 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

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

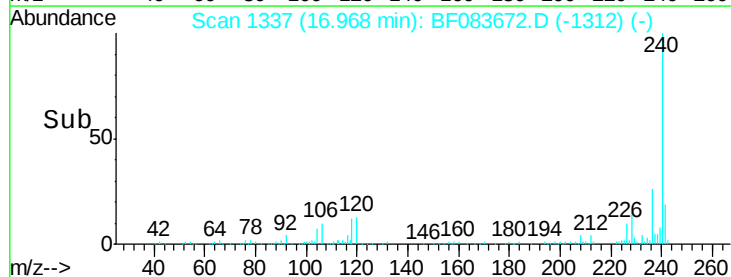
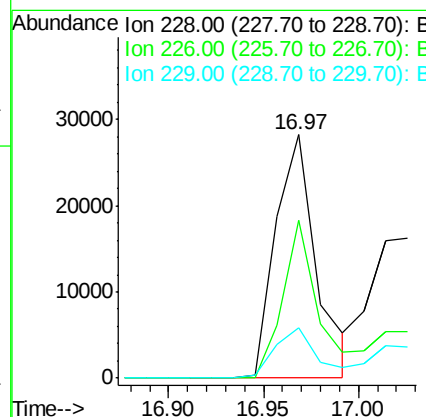
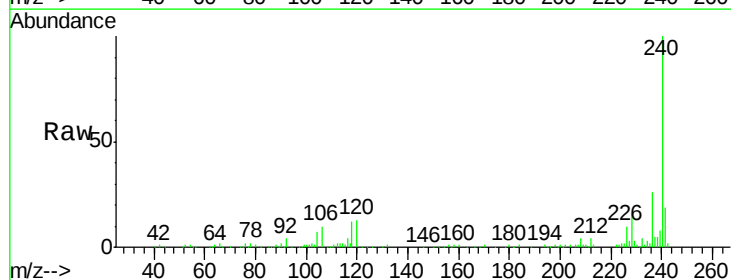
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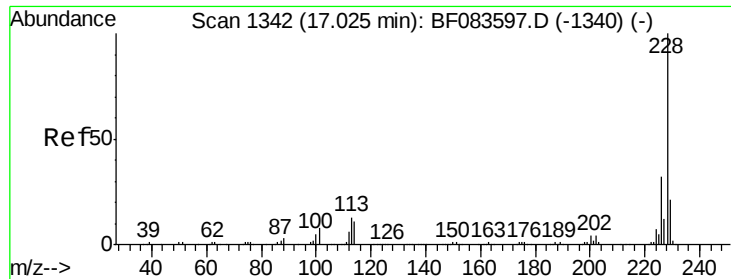
MMdadoda
 12/10/2015 5:50:48 PM



#80
 Benzo(a)anthracene
 Concen: 2.41 ng m
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	64.7	22.3	33.5#
229	20.5	15.7	23.5





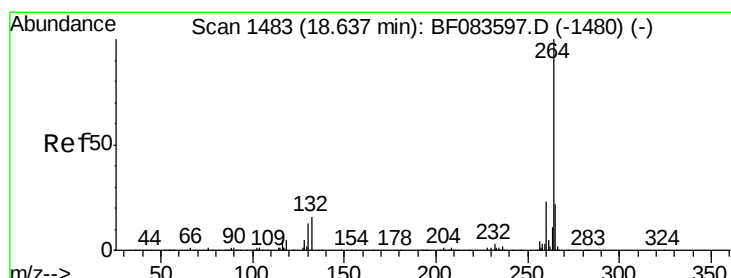
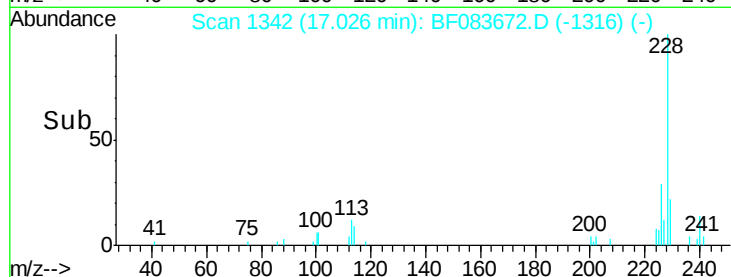
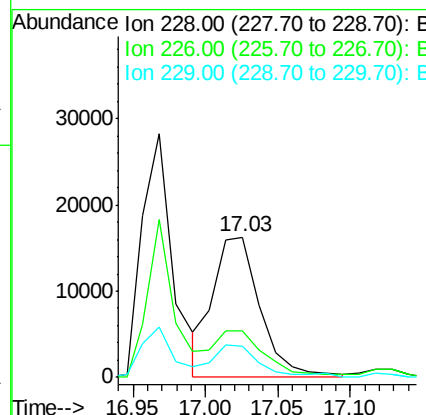
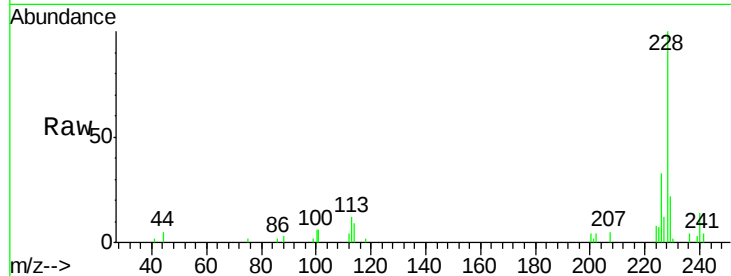
#82
Chrysene
Concen: 2.11 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

Tot Ion:	228	Resp:	36844
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.7	37.1
229	22.3	16.3	24.5

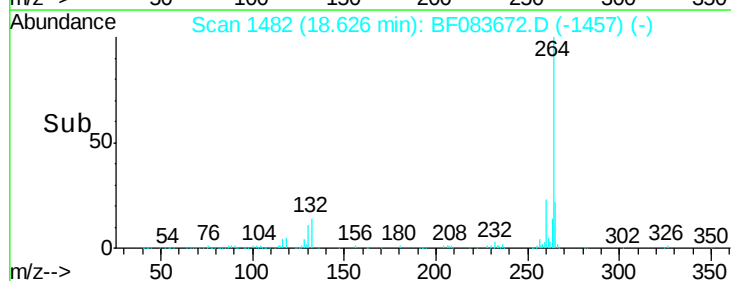
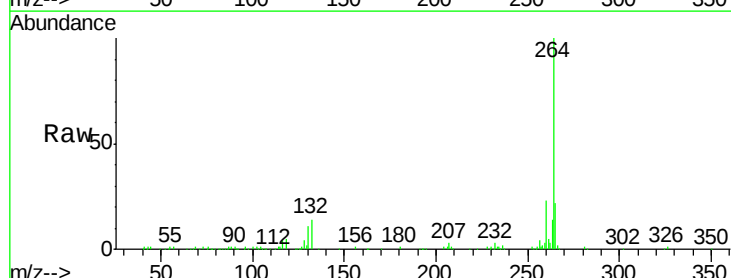
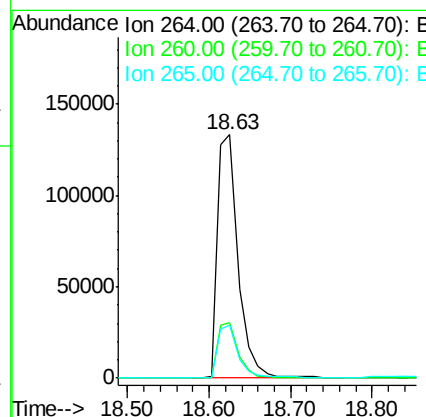
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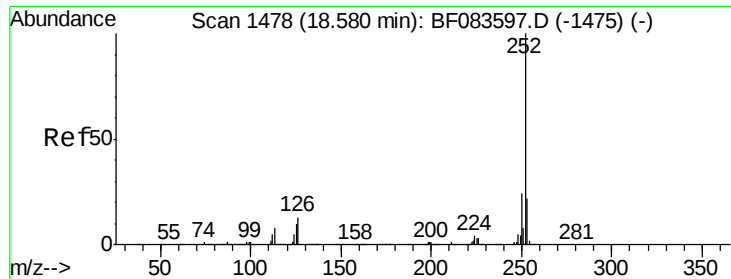
MMdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion:	264	Resp:	234796
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.4	29.0
265	21.6	17.8	26.6





#89
 Benzo(a)pyrene
 Concen: 2.31 ng
 RT: 18.58 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tot Ion:	252	Resp:	30083
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.8	11.0	16.6

Manual Integrations
 APPROVED

MMdadoda
 12/10/2015 5:50:48 PM

