

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083668.D
 Acq On : 10 Dec 2015 6:14
 Operator : UM/IZ
 Sample : G4583-09DL2 50X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)DL2

Manual Integrations
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Quant Time: Dec 10 06:51:11 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	121590	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	462796	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	214384	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	332130	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	288232	20.00	ng	-0.01
86) Perylene-d12	18.63	264	229464	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.10	112	10578	1.32	ng	0.13
7) Phenol-d6	5.38	99	32096m	3.00	ng	0.10
23) Nitrobenzene-d5	6.62	82	16355	1.65	ng	0.09
41) 2,4,6-Tribromophenol	11.71	330	2427	1.27	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	37389	2.45	ng	-0.01
78) Terphenyl-d14	15.39	244	26616	2.17	ng	-0.02
Target Compounds						
31) Naphthalene	7.61	128	1017158	41.50	ng	99
37) 2-Methylnaphthalene	8.72	142	96312	6.26	ng	98
51) Acenaphthene	10.42	154	79449	5.98	ng	98
57) Fluorene	11.27	166	43930	2.73	ng	99
70) Phenanthrene	12.80	178	265179	13.90	ng	98
71) Anthracene	12.90	178	65141	3.30	ng	98
74) Fluoranthene	14.73	202	143555	7.35	ng	99
77) Pyrene	15.08	202	174585	8.41	ng	98
80) Benzo(a)anthracene	16.97	228	63550m	3.77	ng	
82) Chrysene	17.01	228	55178	3.26	ng	99
87) Benzo(b)fluoranthene	18.26	252	46453m	3.56	ng	
89) Benzo(a)pyrene	18.58	252	47282	3.71	ng	96
91) Benzo(a,h,i)perylene	20.27	276	21733	2.29	ng	96

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

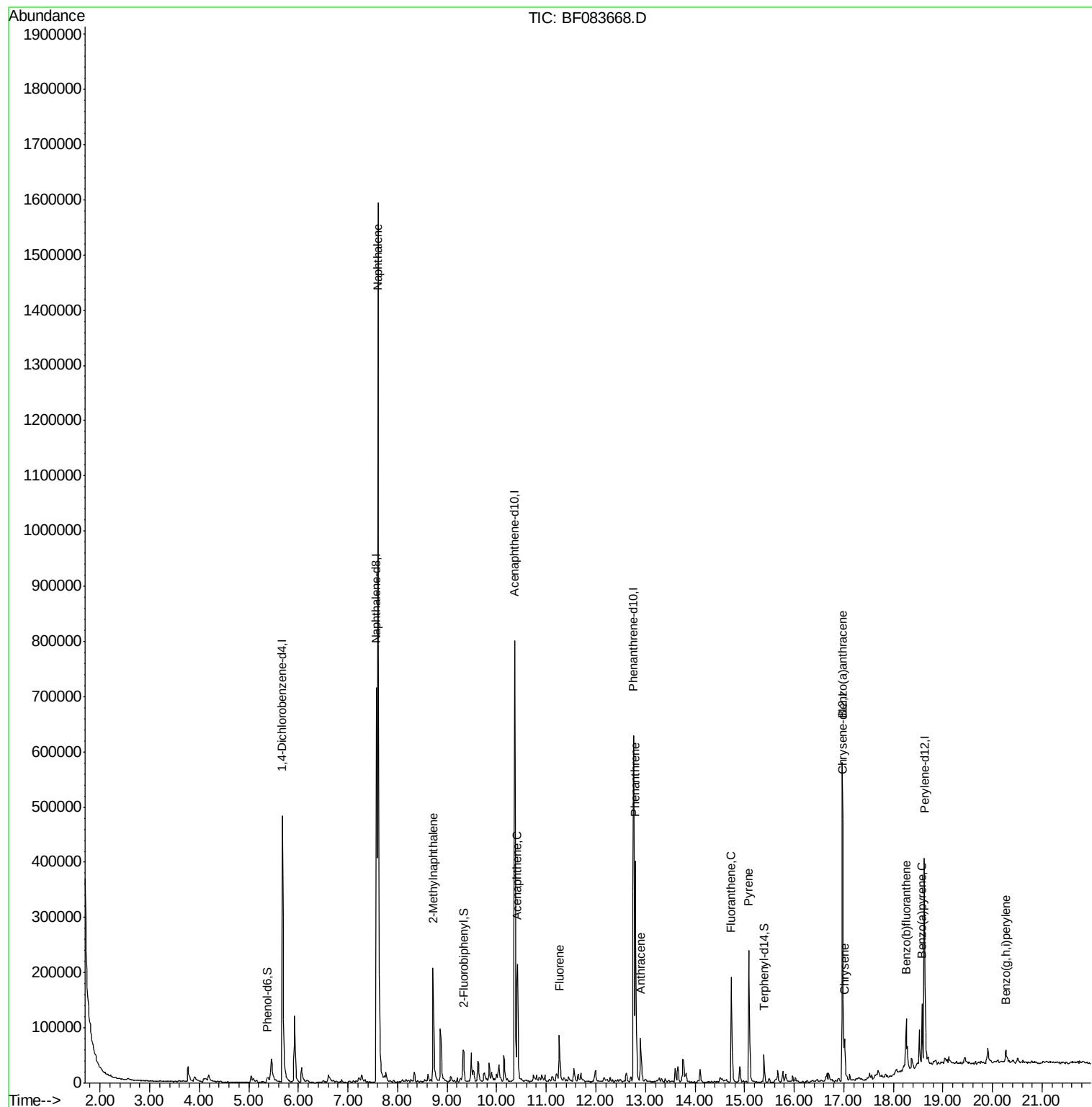
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083668.D
Acq On : 10 Dec 2015 6:14
Operator : UM/IZ
Sample : G4583-09DL2 50X
Misc :
ALS Vial : 32 Sample Multiplier: 1

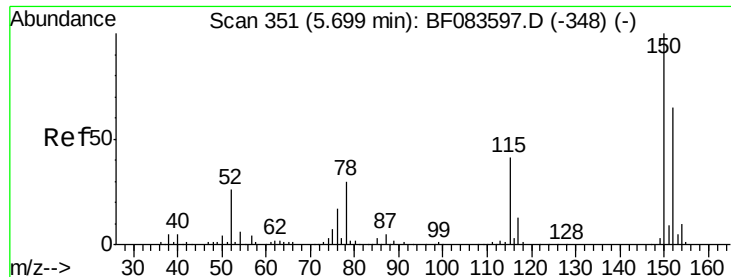
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Manual Integrations
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Quant Time: Dec 10 06:51:11 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

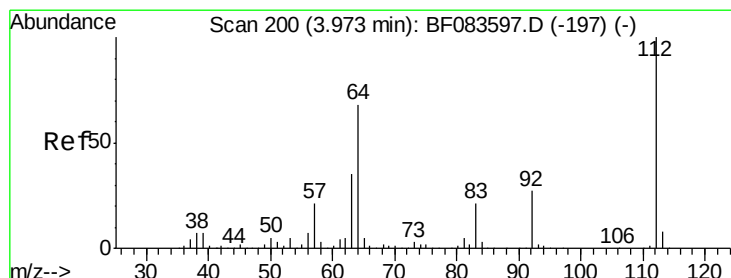
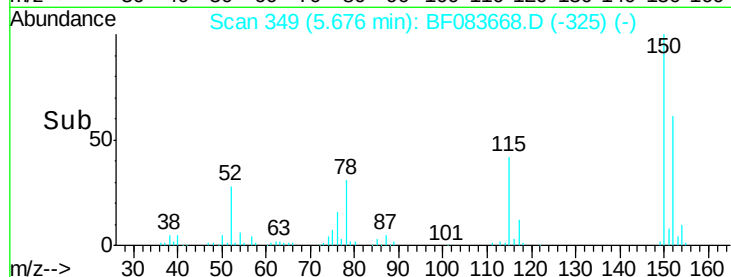
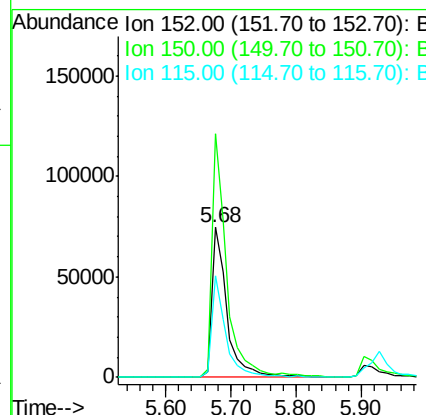
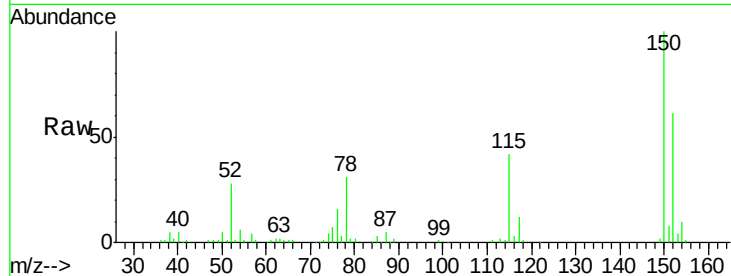
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	126.5	189.7
115	67.5	52.3	78.5

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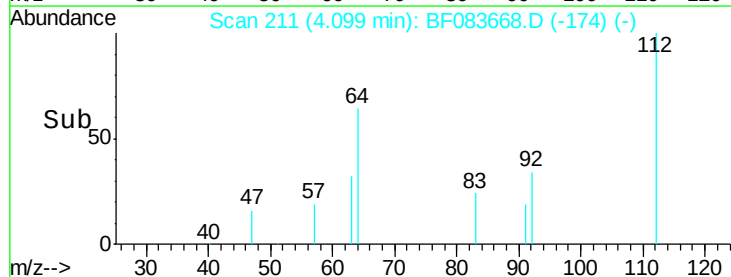
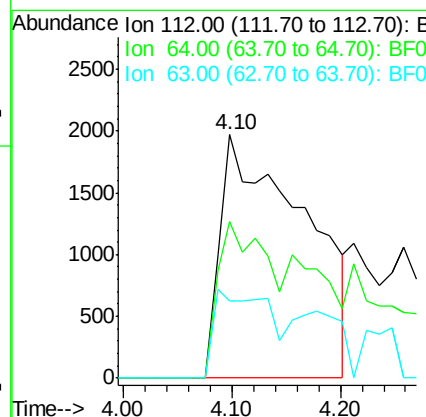
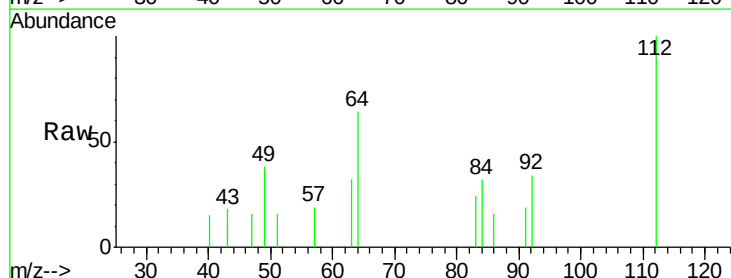
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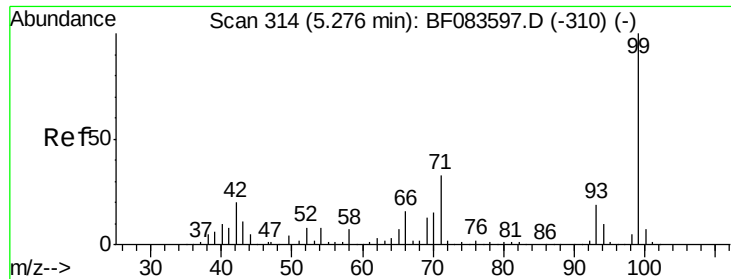


#5

2-Fluorophenol
Concen: 1.32 ng
RT: 4.10 min Scan# 211
Delta R.T. 0.13 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	50.5	75.7
63	31.6	25.8	38.6





#7

Phenol-d6

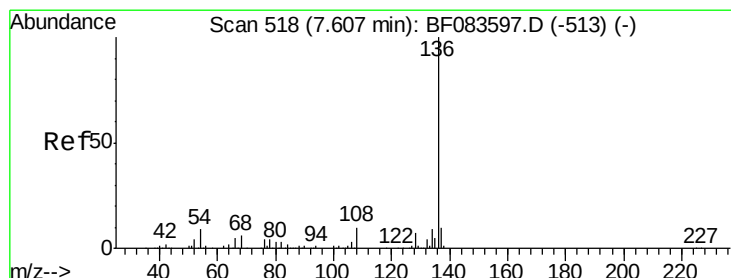
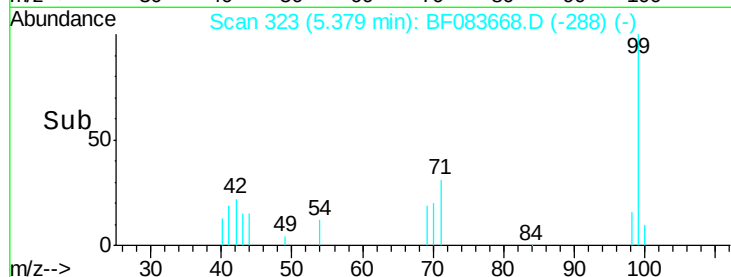
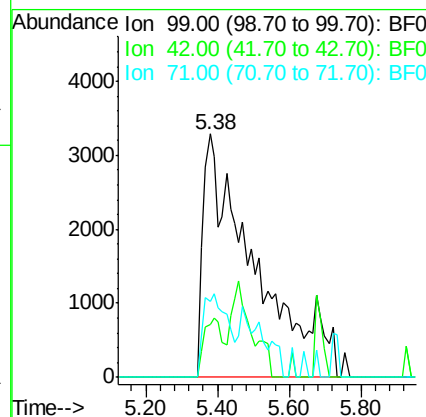
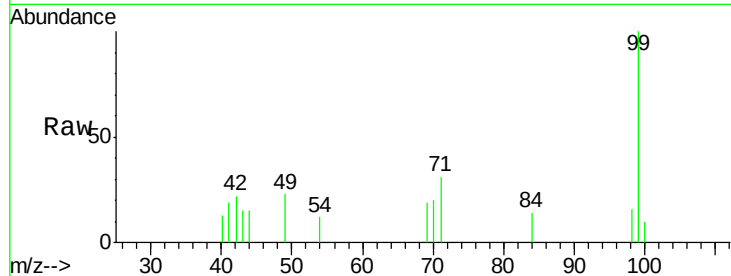
Concen: 3.00 ng/mL
 RT: 5.38 min Scan# 323
 Delta R.T. 0.10 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.3	25.9
71	31.1	26.6	40.0

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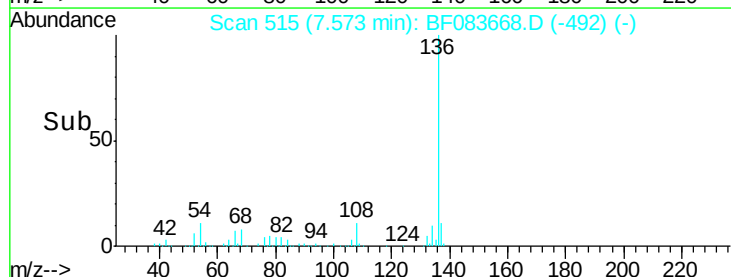
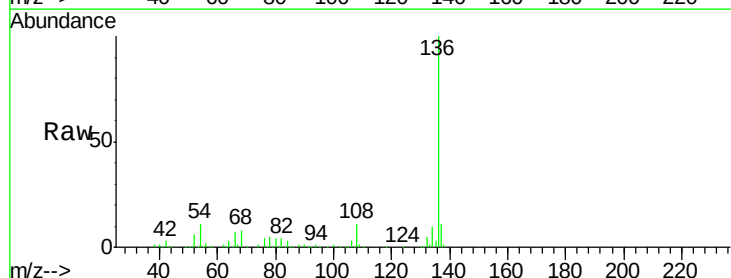
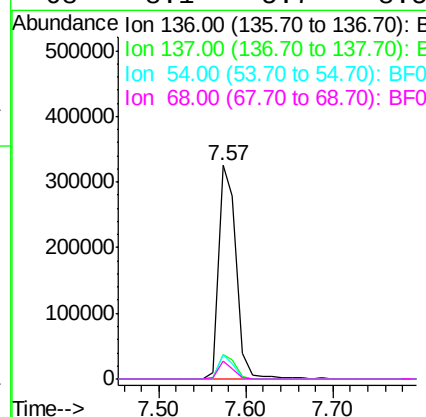


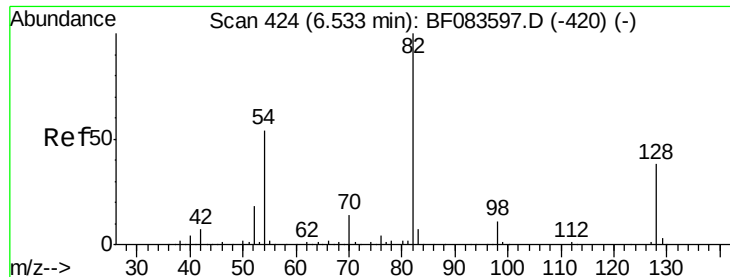
#21

Naphthalene-d8

Concen: 20.00 ng/mL
 RT: 7.57 min Scan# 515
 Delta R.T. -0.03 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.4	7.8	11.6
68	8.1	5.7	8.5





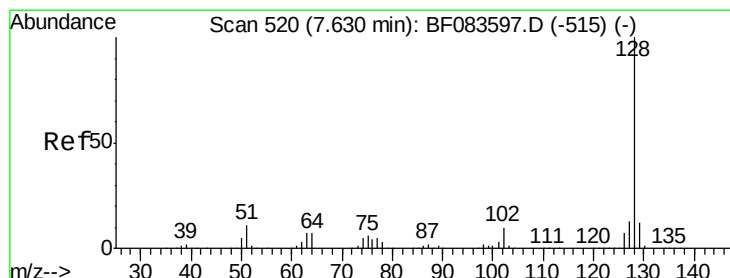
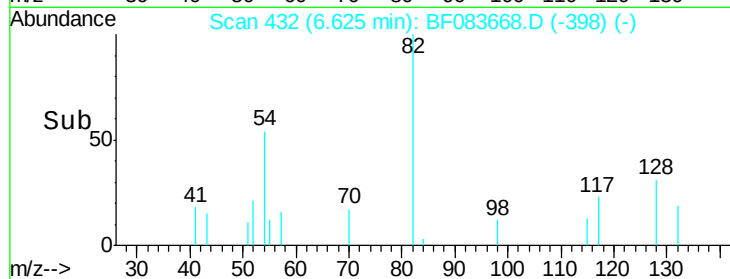
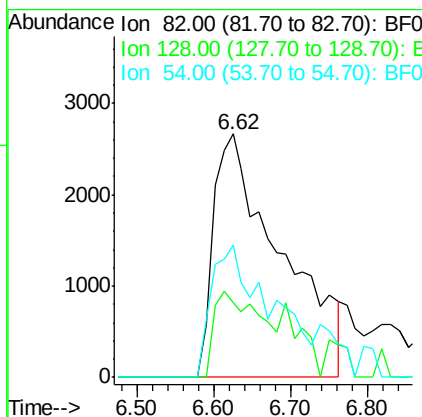
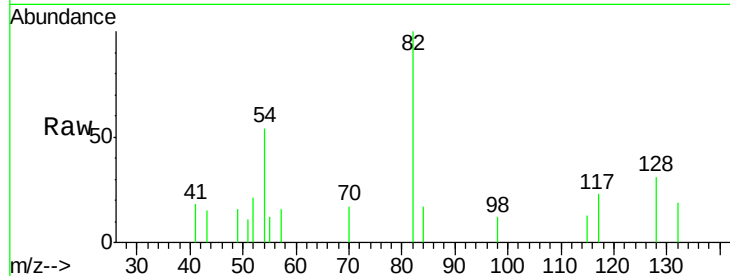
#23
Nitrobenzene-d5
Concen: 1.65 ng
RT: 6.62 min Scan# 432
Delta R.T. 0.09 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.5	30.7	46.1#
54	54.2	42.5	63.7

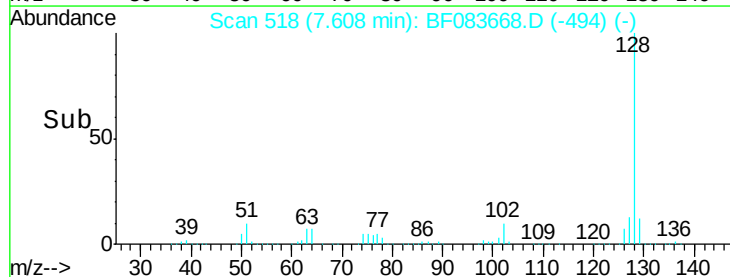
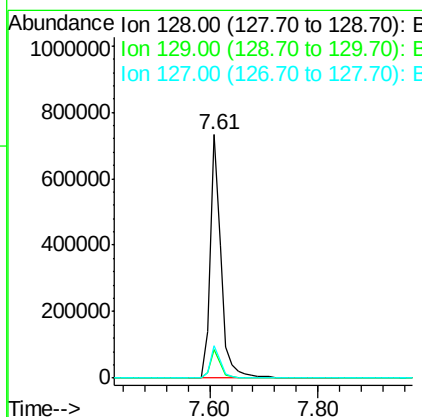
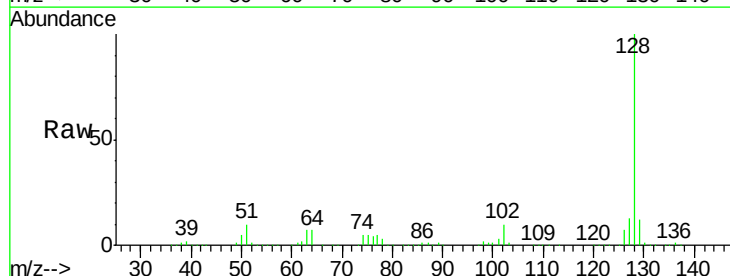
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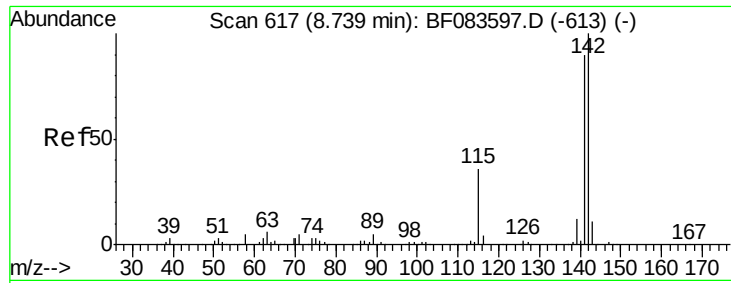
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#31
Naphthalene
Concen: 41.50 ng
RT: 7.61 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.2	10.6	16.0





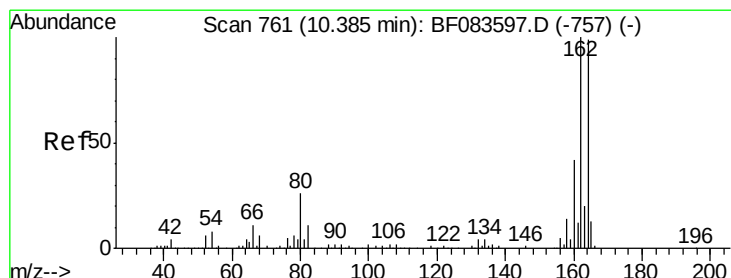
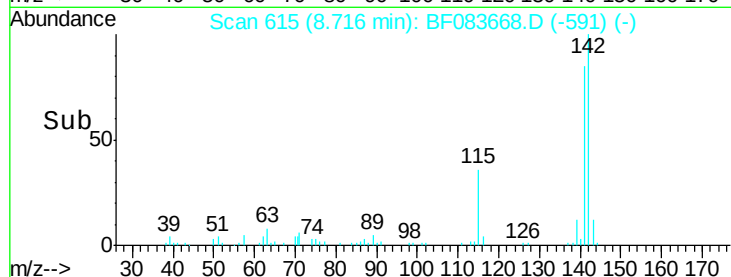
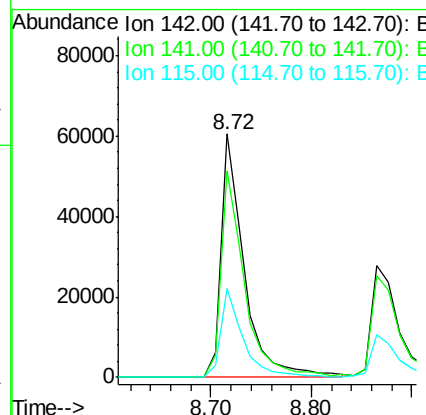
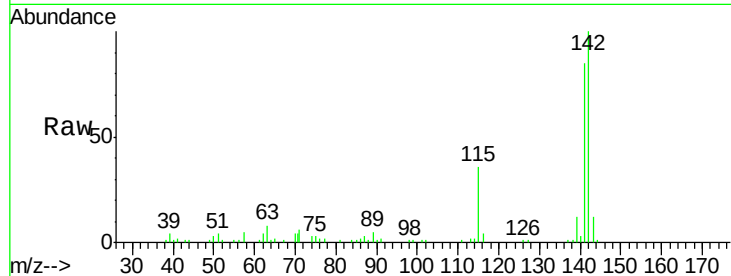
#37
2-Methylnaphthalene
Concen: 6.26 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.3	105.5
115	36.3	29.2	43.8

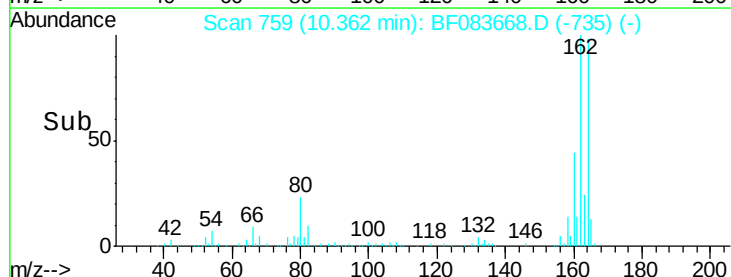
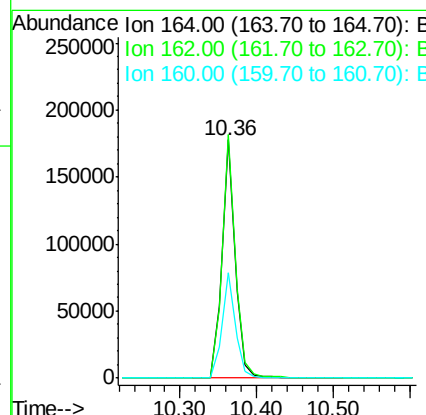
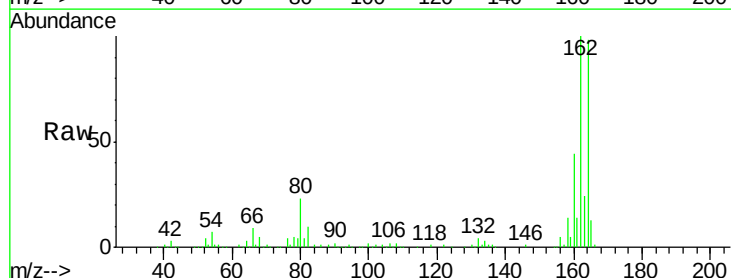
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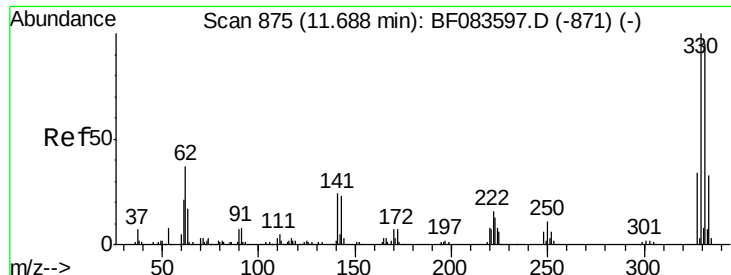
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	78.8	118.2
160	44.5	33.4	50.2





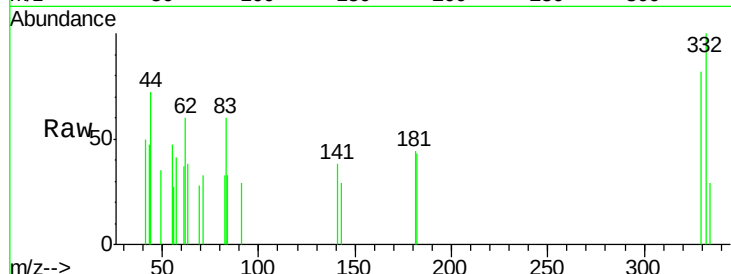
#41
 2,4,6-Tribromophenol
 Concen: 1.27 ng
 RT: 11.71 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	2427		
332	108.0	0.0	0.0	0.0
141	34.0	0.0	0.0	0.0

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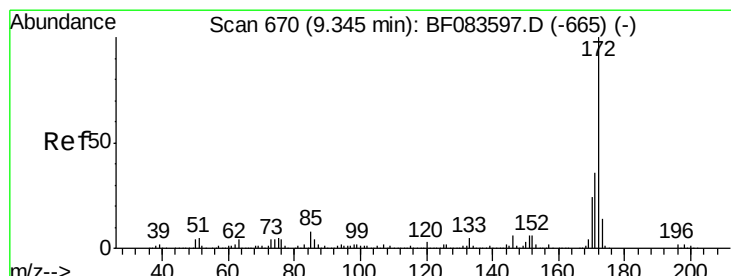
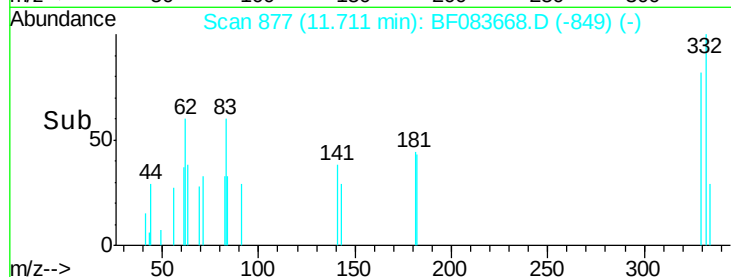
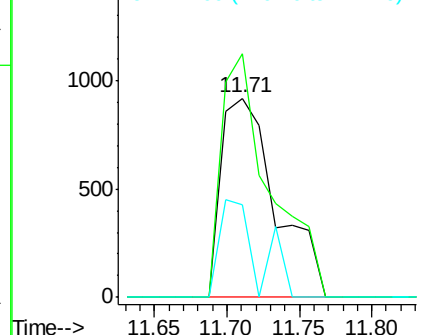


Abundance

Ion 329.80 (329.50 to 330.50): E

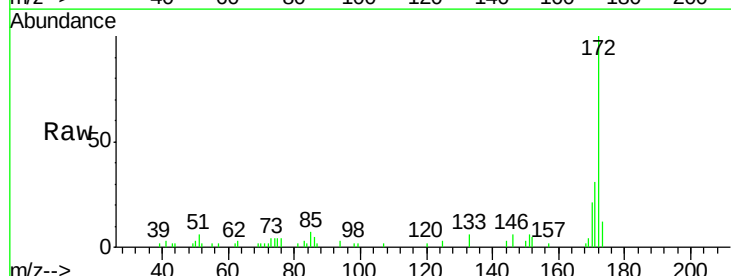
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 2.45 ng
 RT: 9.33 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	37389		
171	30.5	28.6	42.8	
170	21.2	19.4	29.0	

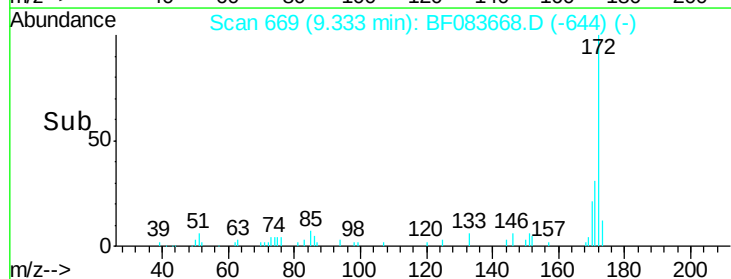
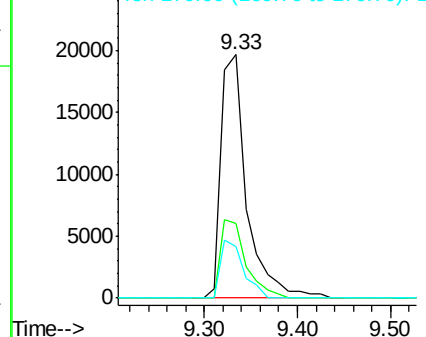


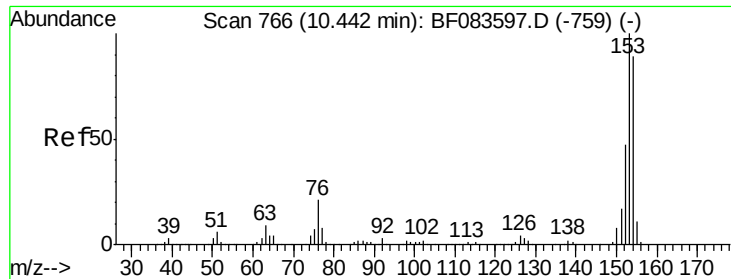
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 5.98 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083668.D

Acq: 10 Dec 2015 6:14

Instrument :

BNA_F

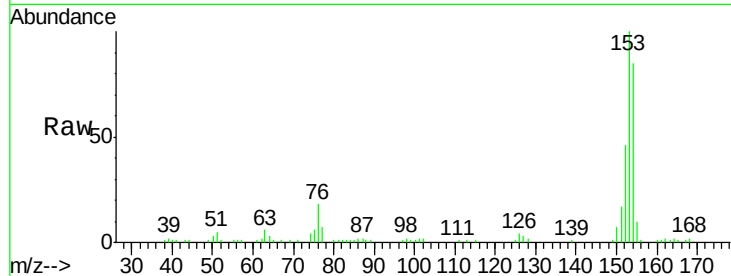
ClientSampleId :

SB-P3WC-09(0-8)DL2

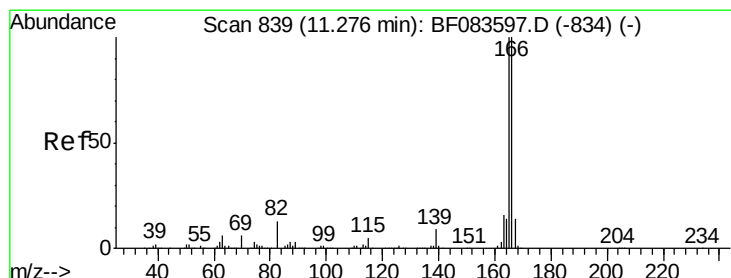
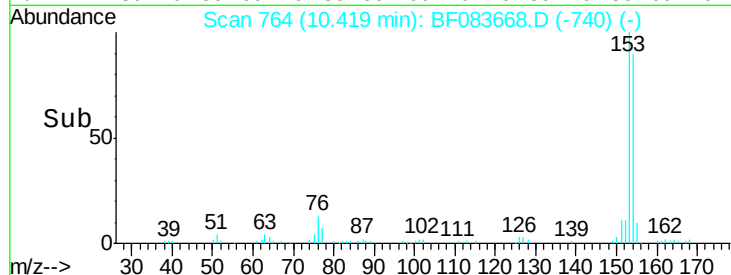
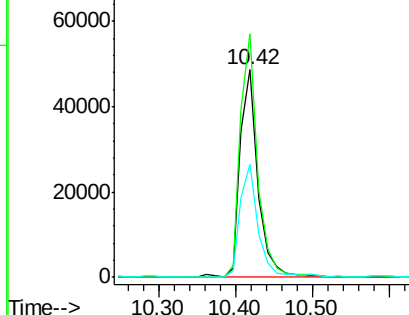
Tot Ion:	154	Resp:	79449
Ion Ratio	Lower	Upper	
154	100		
153	117.3	91.4	137.0
152	54.4	43.4	65.2

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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: 2.73 ng

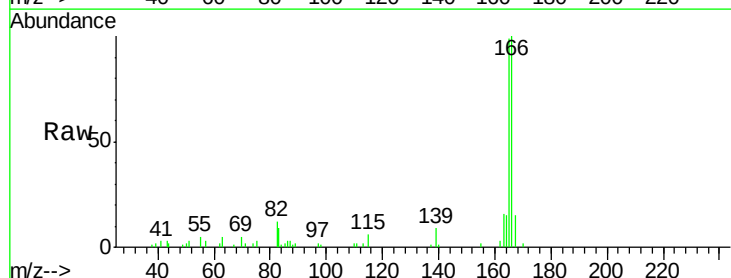
RT: 11.27 min Scan# 838

Delta R.T. -0.01 min

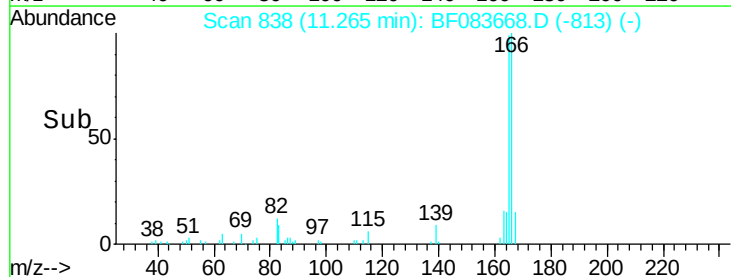
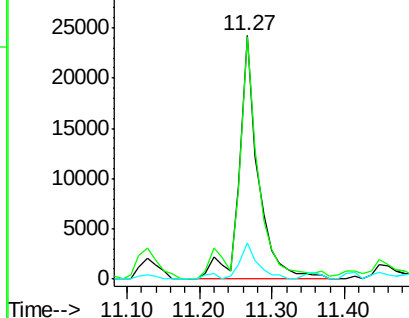
Lab File: BF083668.D

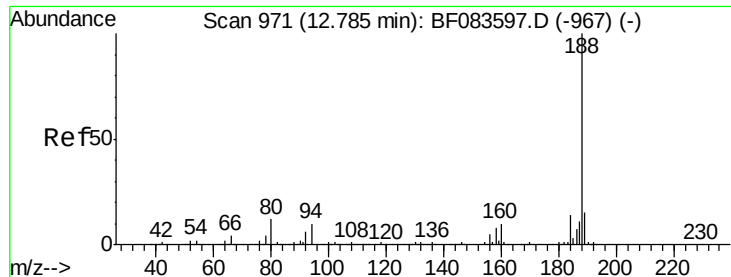
Acq: 10 Dec 2015 6:14

Tgt Ion:	166	Resp:	43930
Ion Ratio	Lower	Upper	
166	100		
165	99.4	80.0	120.0
167	14.7	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





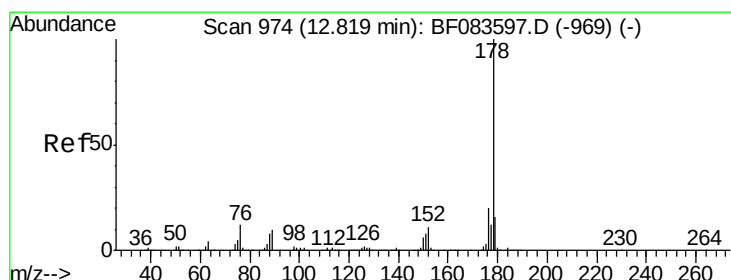
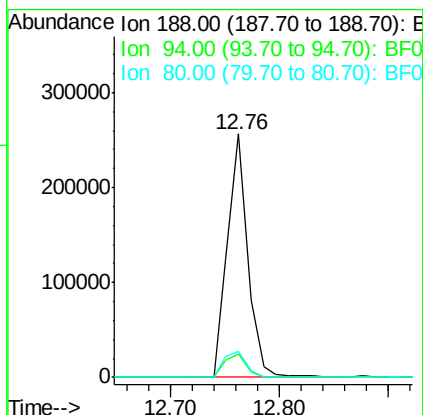
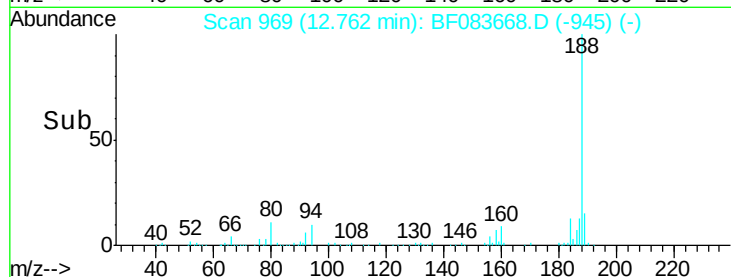
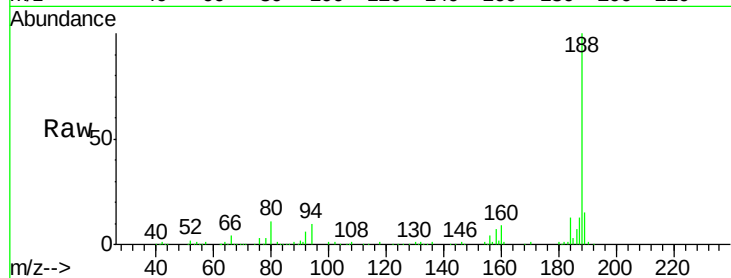
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	9.4	14.2
80	10.7	10.6	16.0

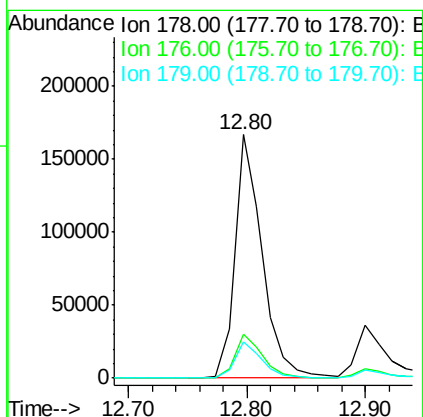
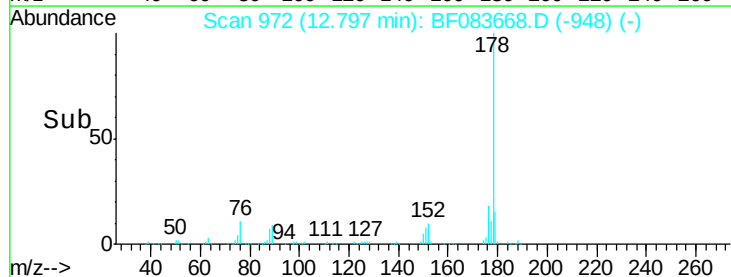
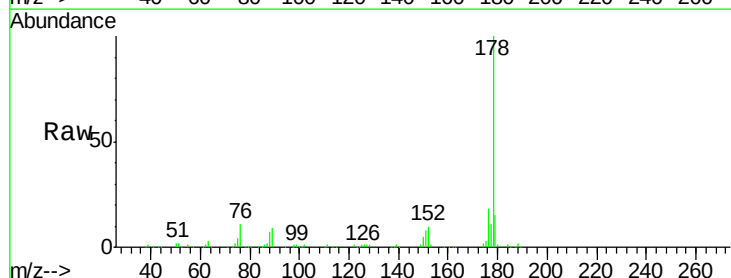
Manual Integrations
APPROVED

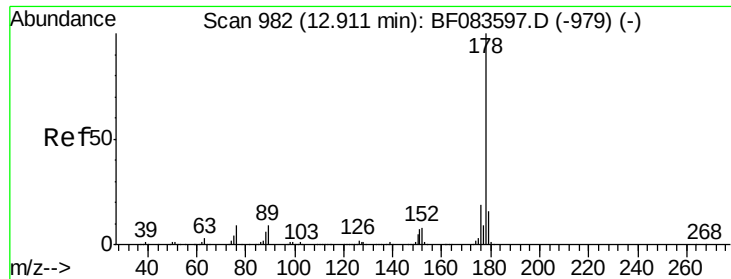
MMdadoda
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#70
Phenanthrene
Concen: 13.90 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.7	23.5
179	14.7	12.2	18.4





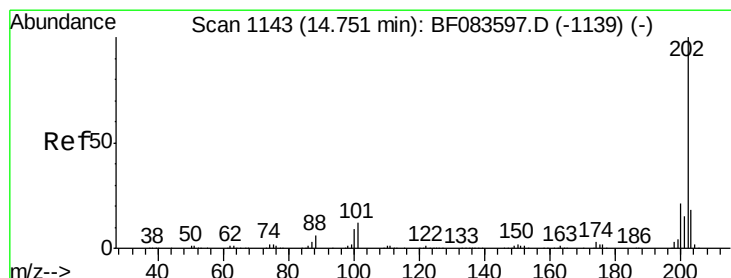
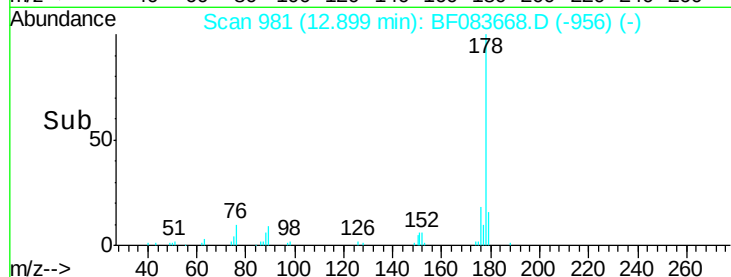
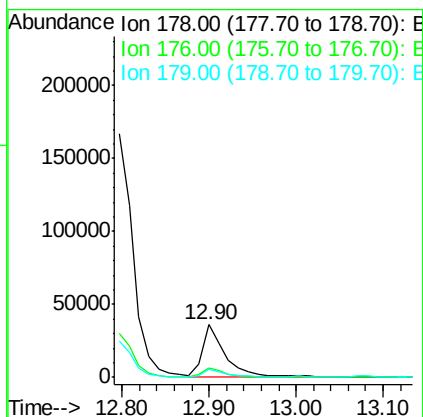
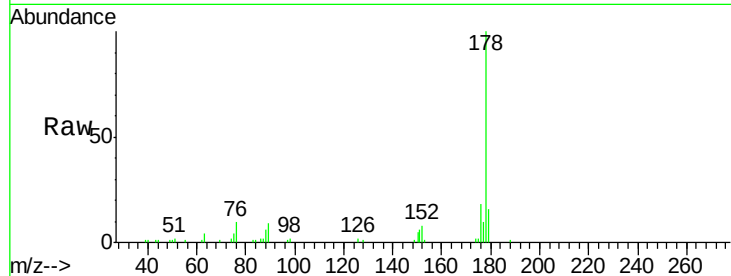
#71
 Anthracene
 Concen: 3.30 ng
 RT: 12.90 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	15.9	12.6	18.8

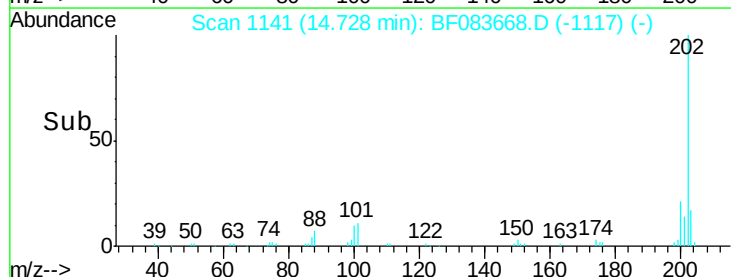
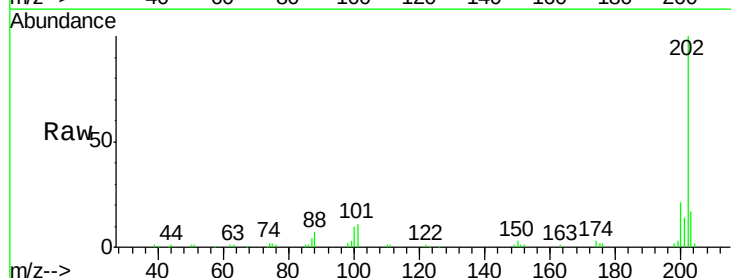
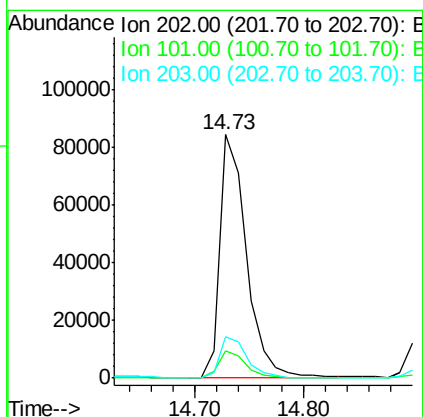
Manual Integrations
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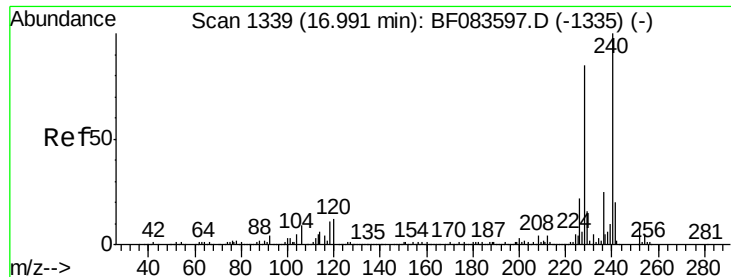
MMdadoda
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#74
 Fluoranthene
 Concen: 7.35 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.5
203	17.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083668.D

Acq: 10 Dec 2015 6:14

Instrument :

BNA_F

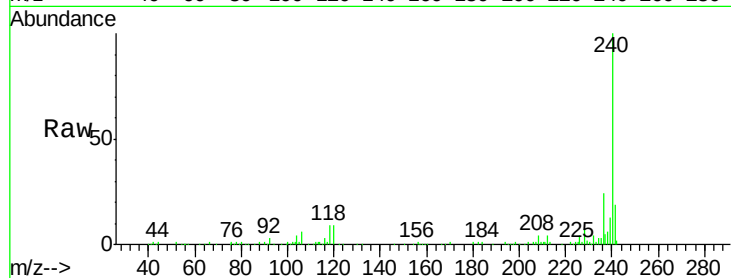
ClientSampleId :

SB-P3WC-09(0-8)DL2

Tot Ion:	240	Resp:	288232
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.1	12.1
236	24.1	20.8	31.2

Manual Integrations
APPROVED

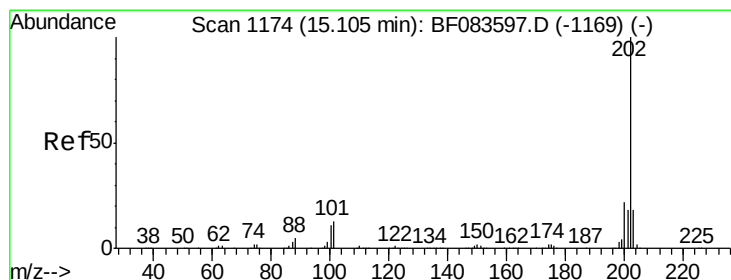
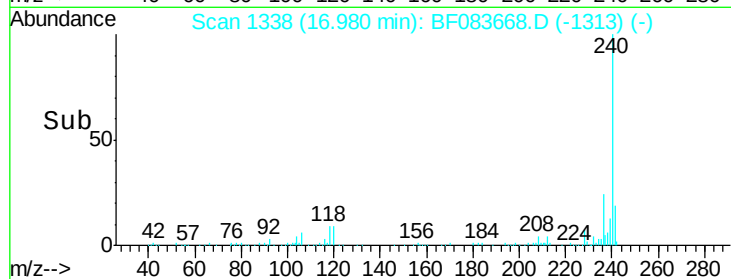
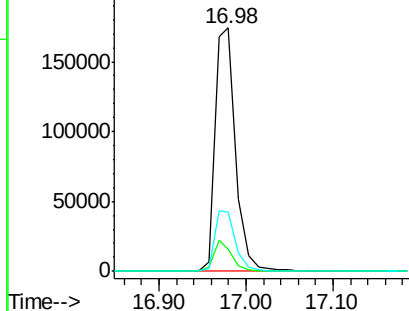
MMdadoda
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.41 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083668.D

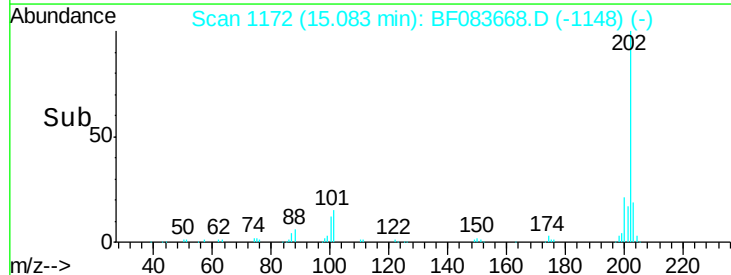
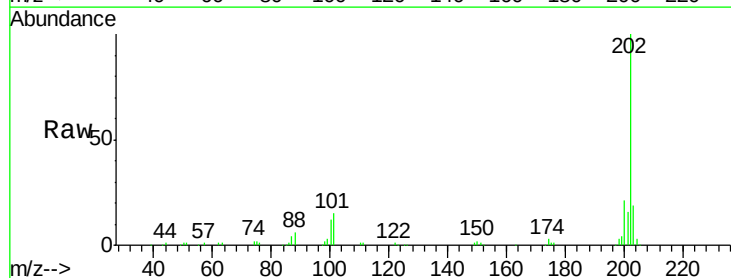
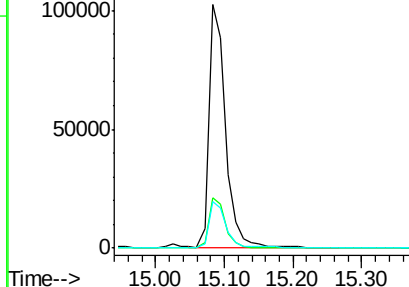
Acq: 10 Dec 2015 6:14

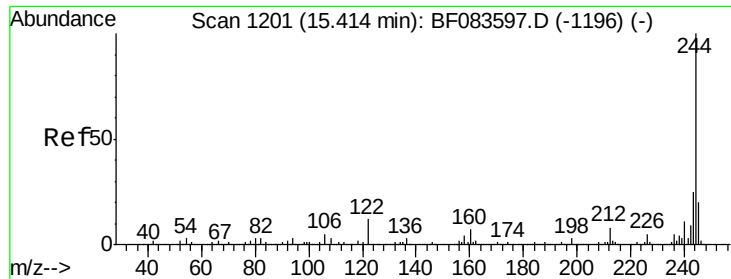
Tgt Ion:	202	Resp:	174585
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.7	25.1
203	19.0	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





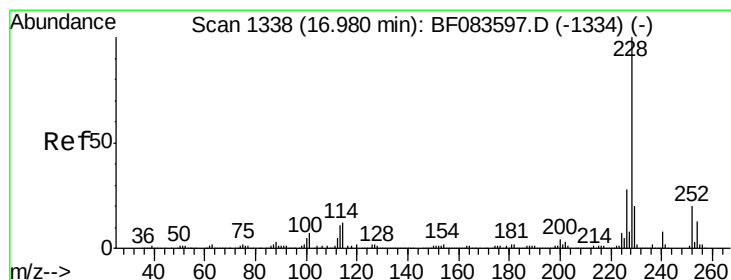
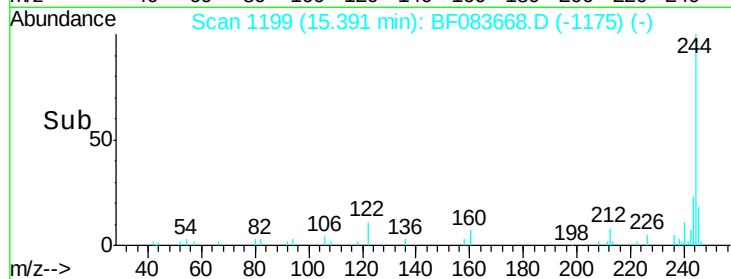
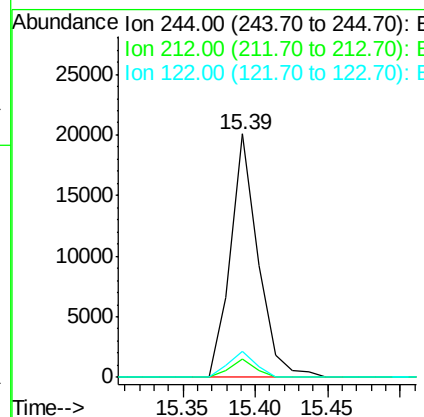
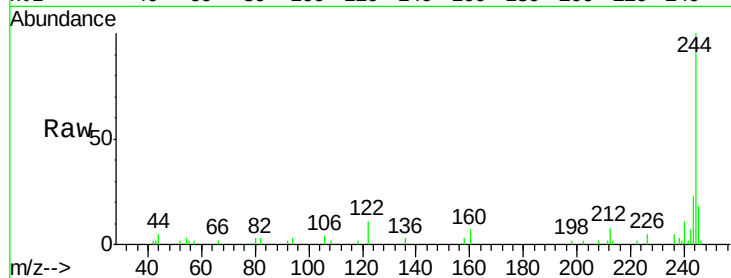
#78
 Terphenyl-d14
 Concen: 2.17 ng
 RT: 15.39 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	10.6	11.0	16.6#

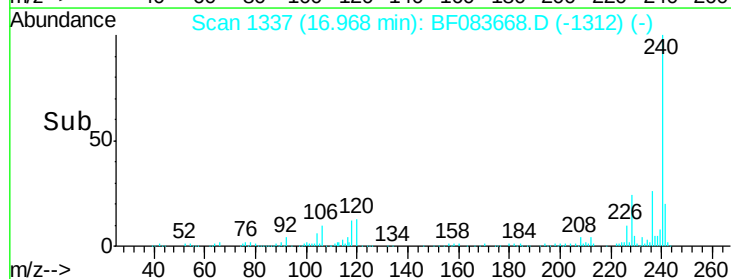
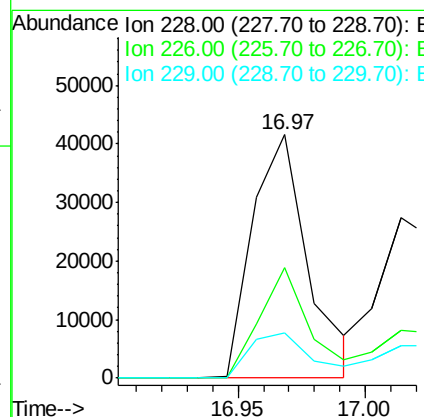
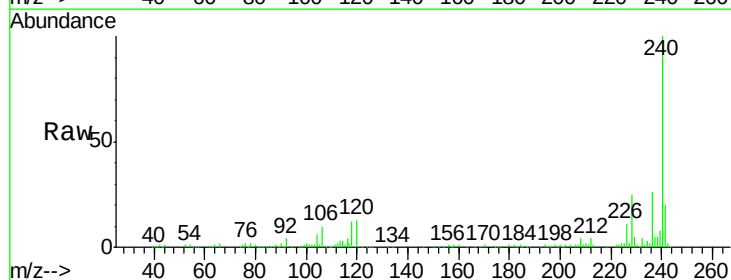
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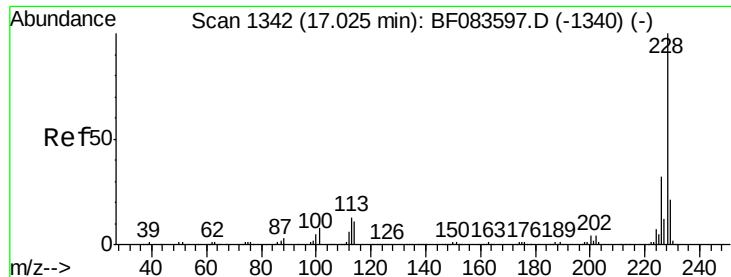
MMdadoda
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#80
 Benzo(a)anthracene
 Concen: 3.77 ng m
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF083668.D
 Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.3	22.3	33.5#
229	18.8	15.7	23.5





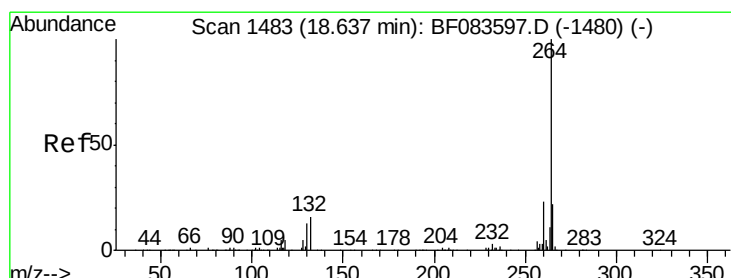
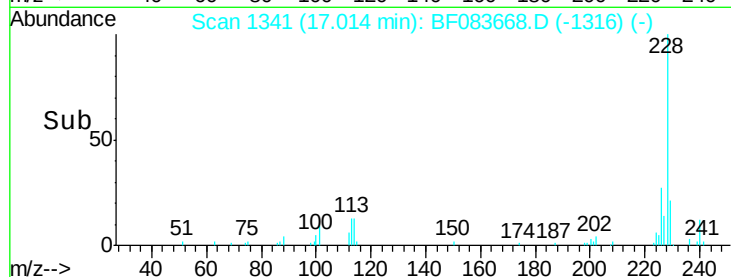
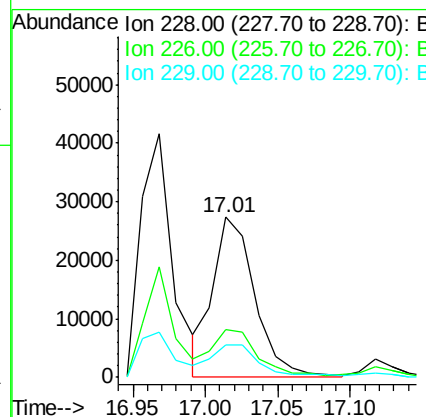
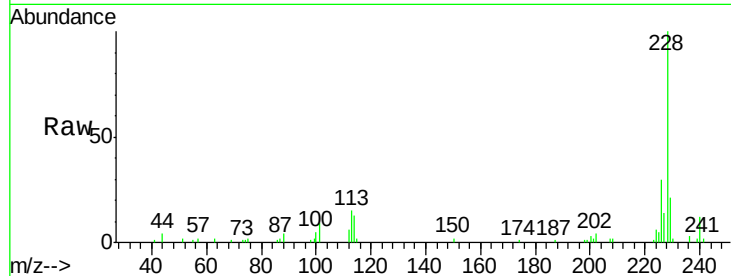
#82
Chrysene
Concen: 3.26 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	20.6	16.3	24.5

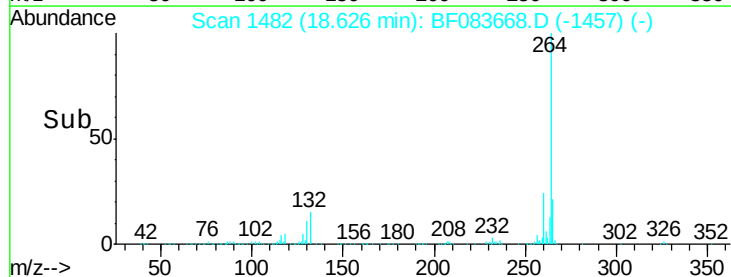
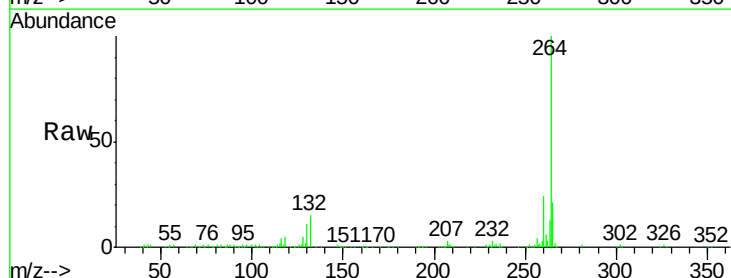
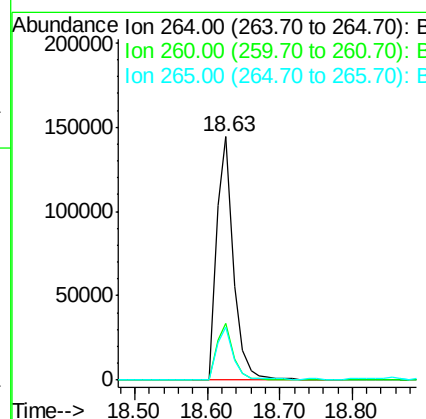
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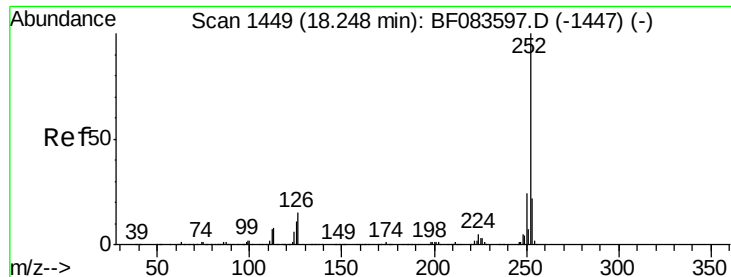
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#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083668.D
Acq: 10 Dec 2015 6:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	21.5	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 3.56 ng/mL

RT: 18.26 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF083668.D

Acq: 10 Dec 2015 6:14

Instrument :

BNA_F

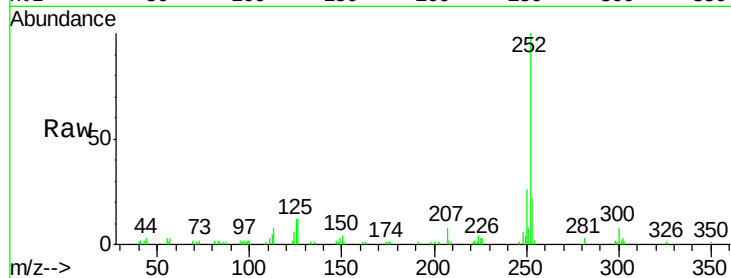
ClientSampleId :

SB-P3WC-09(0-8)DL2

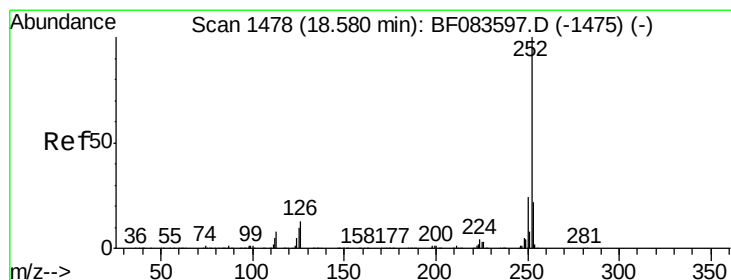
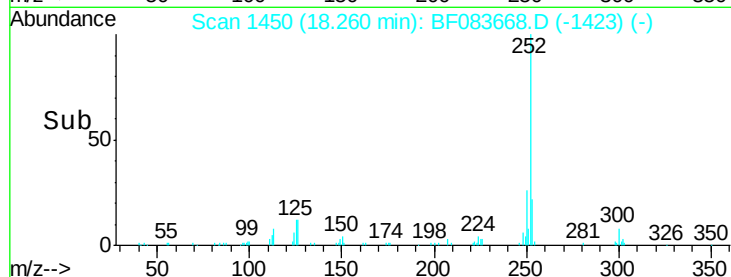
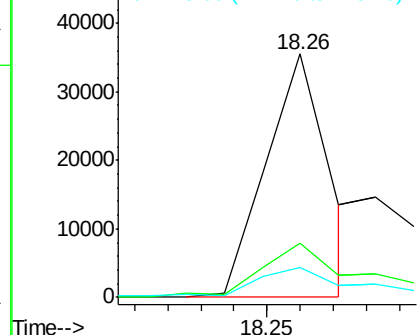
Tot Ion:	252	Resp:	46453
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.4
125	12.3	8.2	12.4

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



#89

Benzo(a)pyrene

Concen: 3.71 ng/mL

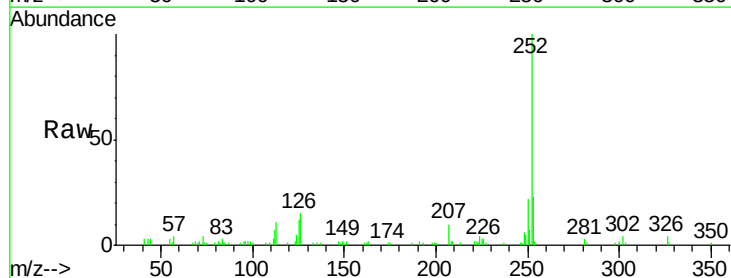
RT: 18.58 min Scan# 1478

Delta R.T. 0.00 min

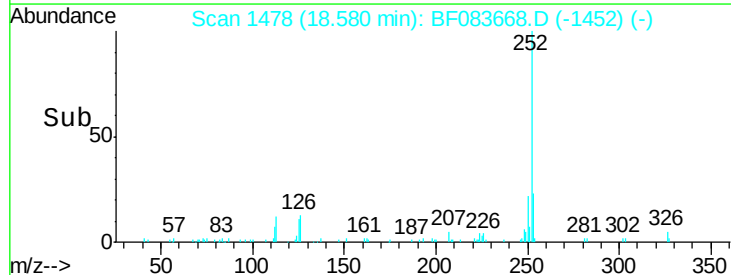
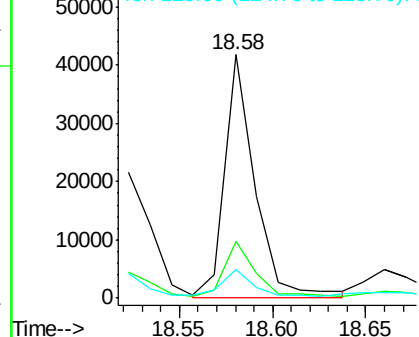
Lab File: BF083668.D

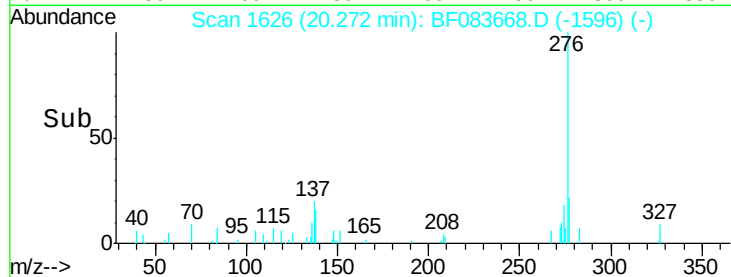
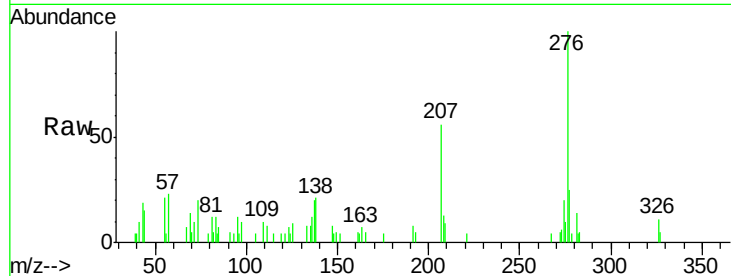
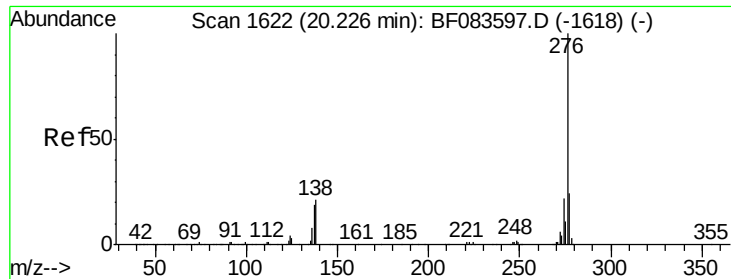
Acq: 10 Dec 2015 6:14

Tgt Ion:	252	Resp:	47282
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	11.7	11.0	16.6



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





#91

Benzo(a,h,i)perylene

Concen: 2.29 ng

RT: 20.27 min Scan# 1626

Delta R.T. 0.05 min

Lab File: BF083668.D

Acq: 10 Dec 2015 6:14

Tot Ion:	276	Resp:	21733
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.2	28.8
138	20.8	19.5	29.3

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)DL2

Manual Integrations
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