

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083664.D
 Acq On : 10 Dec 2015 4:15
 Operator : UM/IZ
 Sample : G4583-03DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(0-8)DL

Manual Integrations
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 12/10/2015 5:50:25 PM

Quant Time: Dec 10 06:23:38 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	135766	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	520000	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	242673	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	369966	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	298464	20.00	ng	-0.01
86) Perylene-d12	18.63	264	252096	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	576845	64.44	ng	-0.01
7) Phenol-d6	5.25	99	839046	70.15	ng	-0.02
23) Nitrobenzene-d5	6.51	82	513321	46.06	ng	-0.02
41) 2,4,6-Tribromophenol	11.67	330	102300	47.32	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	844150	48.96	ng	-0.02
78) Terphenyl-d14	15.39	244	575374	45.36	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.62	128	84799	3.08	ng	98
49) Dimethylphthalate	10.02	163	50495	2.61	ng	98
51) Acenaphthene	10.42	154	68446	4.55	ng	99
57) Fluorene	11.27	166	51774	2.85	ng	99
70) Phenanthrene	12.80	178	711760	33.48	ng	98
71) Anthracene	12.89	178	150232	6.82	ng	97
72) Carbazole	13.21	167	58670	3.11	ng	96
74) Fluoranthene	14.73	202	979307	45.04	ng	99
77) Pyrene	15.08	202	900069	41.89	ng	# 95
80) Benzo(a)anthracene	16.97	228	403377m	23.09	ng	
82) Chrysene	17.01	228	441622m	25.22	ng	
85) Indeno(1,2,3-cd)pyrene	19.87	276	180072	15.23	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	445610m	31.04	ng	
88) Benzo(k)fluoranthene	18.27	252	168177m	10.63	ng	
89) Benzo(a)pyrene	18.57	252	299787	21.40	ng	97
90) Dibenzo(a,h)anthracene	19.87	278	46686m	4.36	ng	
91) Benzo(a,h,i)perylene	20.23	276	188446	18.05	ng	97

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

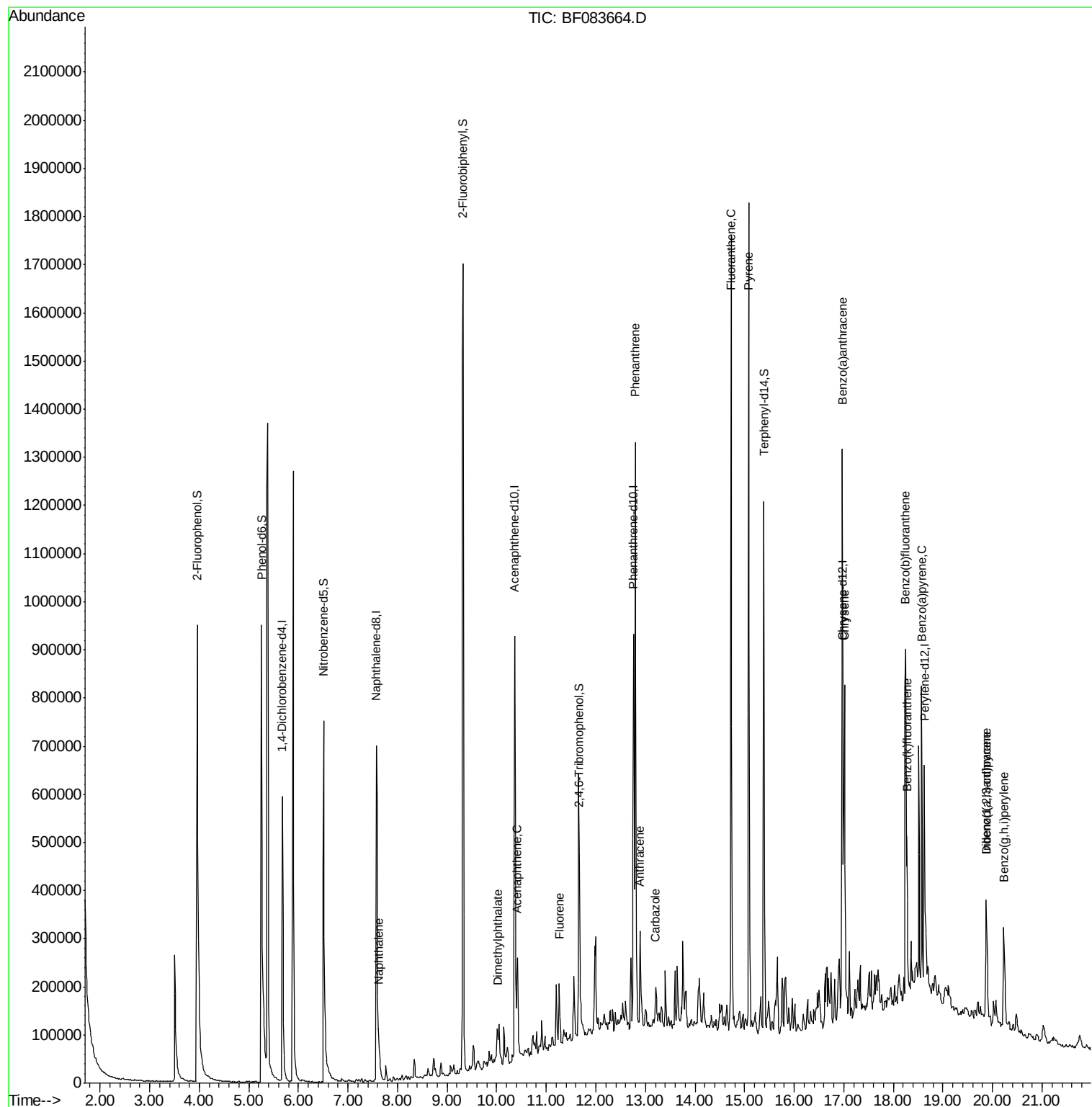
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

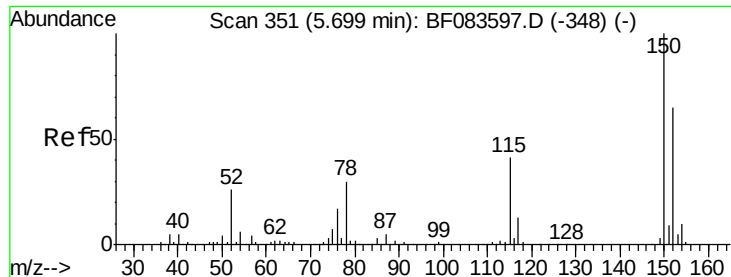
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

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12/10/2015 5:50:25 PM

Quant Time: Dec 10 06:23:38 2015
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#1

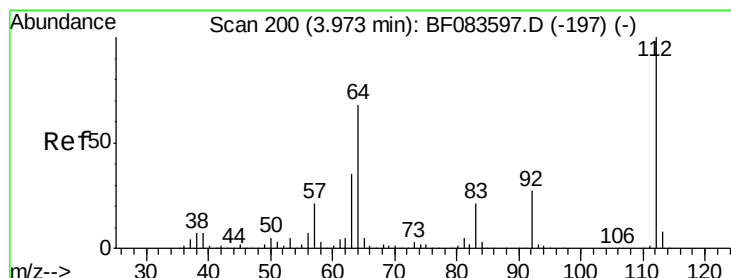
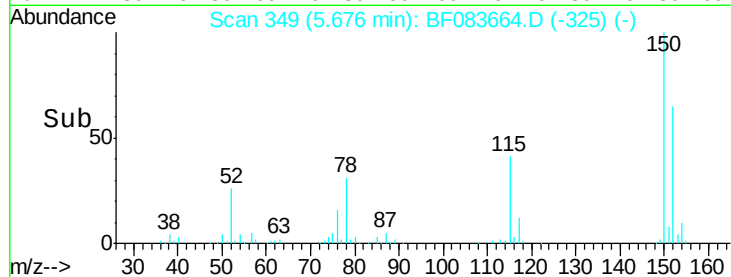
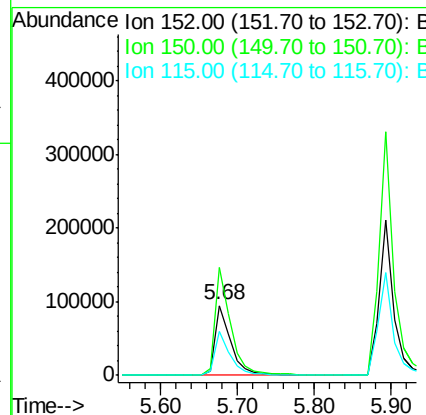
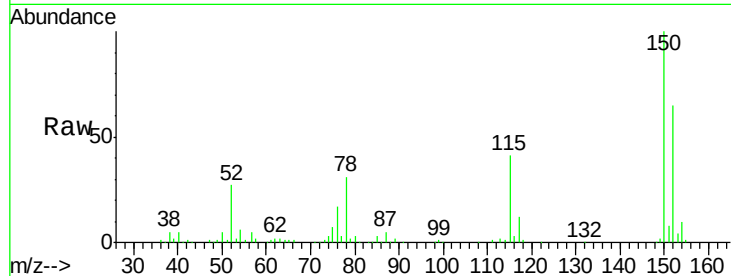
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.5	189.7
115	63.0	52.3	78.5

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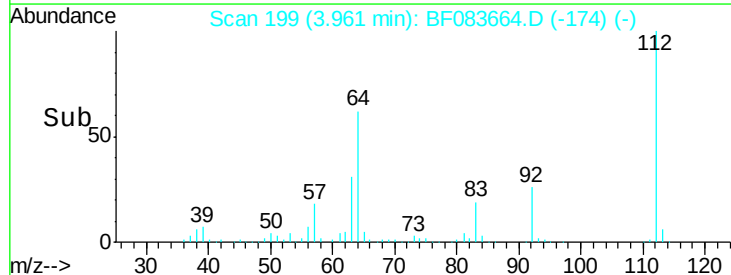
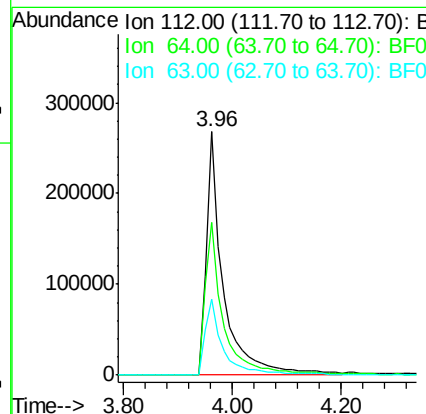
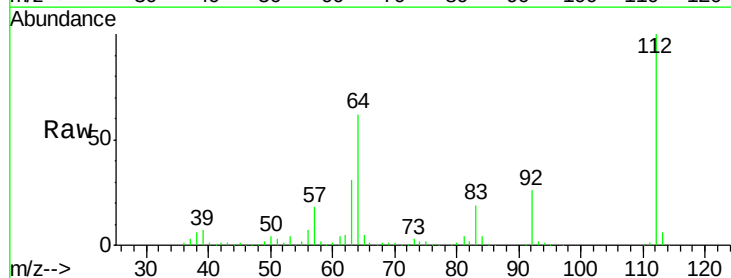
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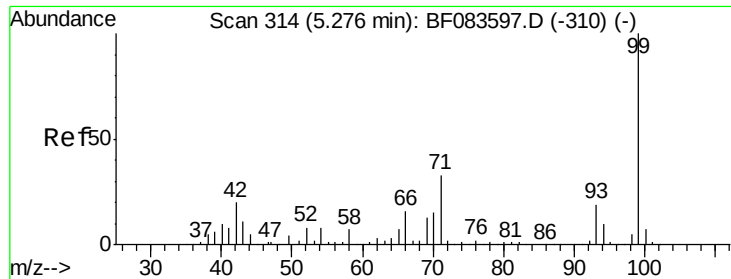


#5

2-Fluorophenol
Concen: 64.44 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	50.5	75.7
63	31.3	25.8	38.6





#7

Phenol-d6

Concen: 70.15 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

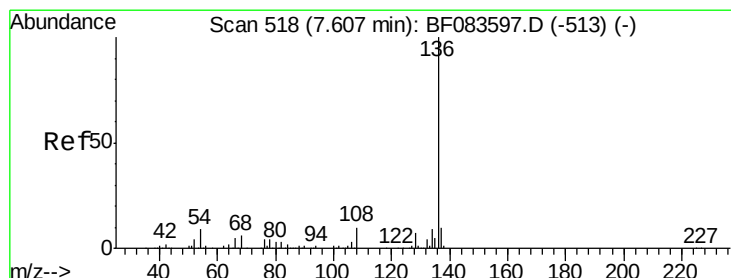
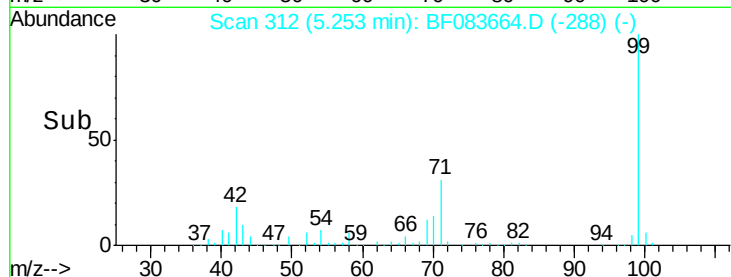
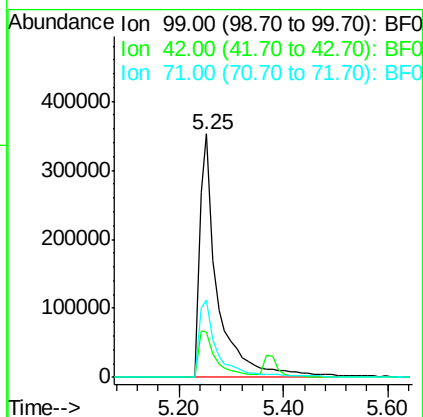
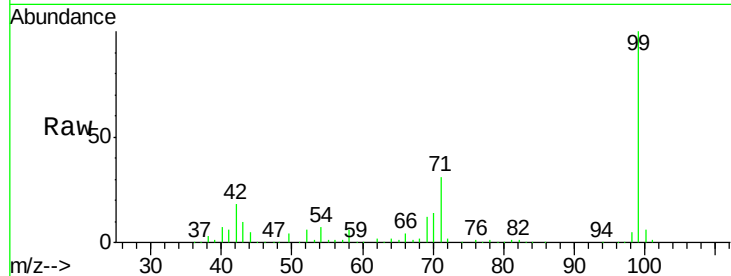
ClientSampleId :

SB-P3WC-03(0-8)DL

Tot Ion:	99	Resp:	839046
Ion Ratio	Lower	Upper	
99	100		
42	18.3	17.3	25.9
71	31.5	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

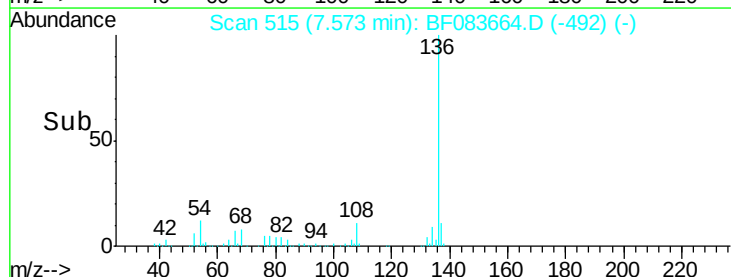
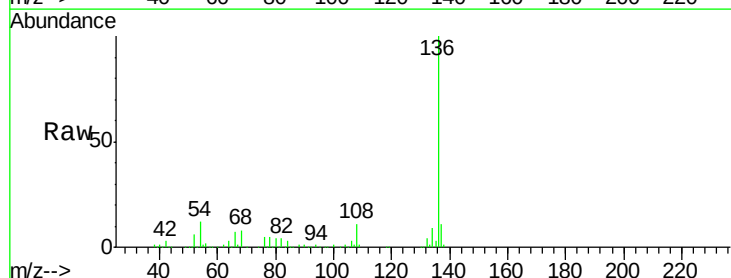
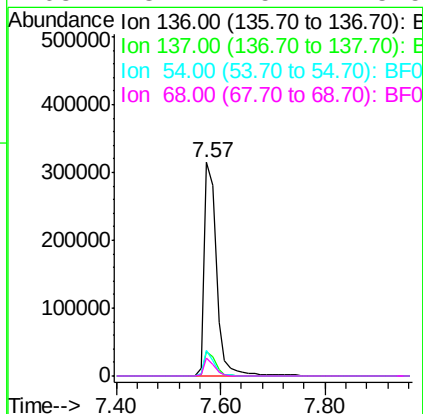
RT: 7.57 min Scan# 515

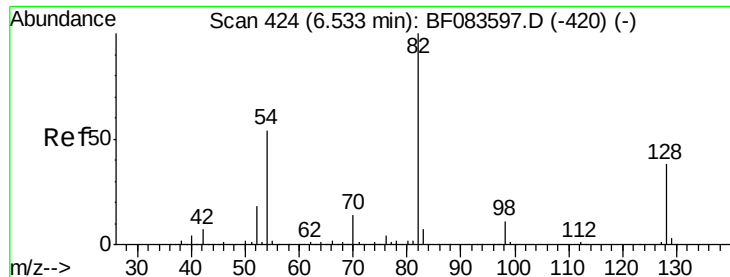
Delta R.T. -0.03 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion:	136	Resp:	520000
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	11.8	7.8	11.6
68	8.1	5.7	8.5





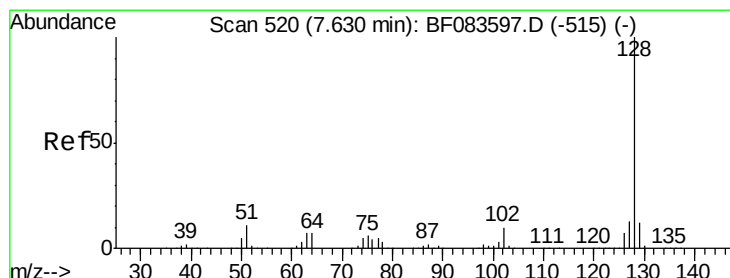
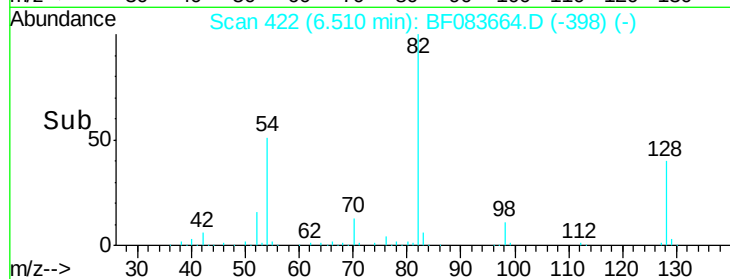
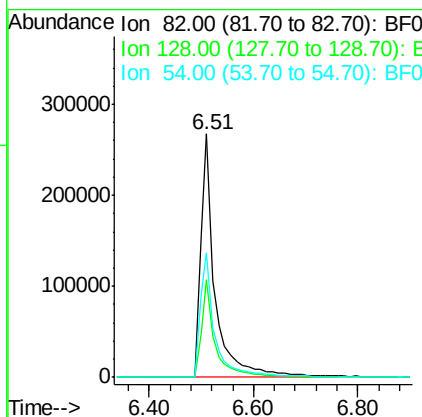
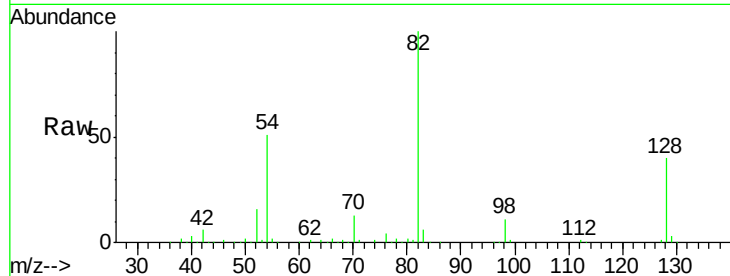
#23
Nitrobenzene-d5
Concen: 46.06 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	513321		
128	40.1	30.7	46.1	
54	51.2	42.5	63.7	

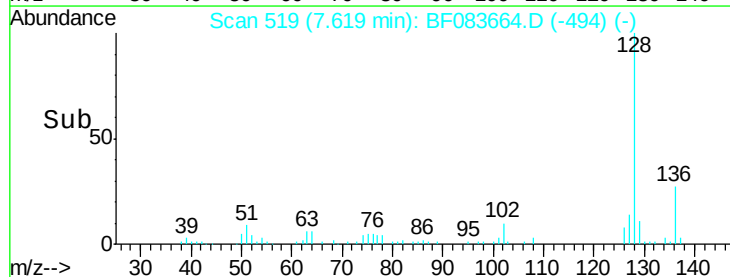
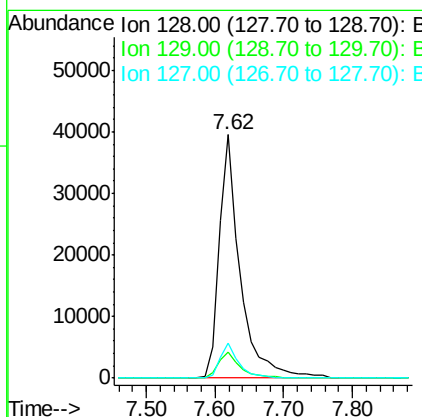
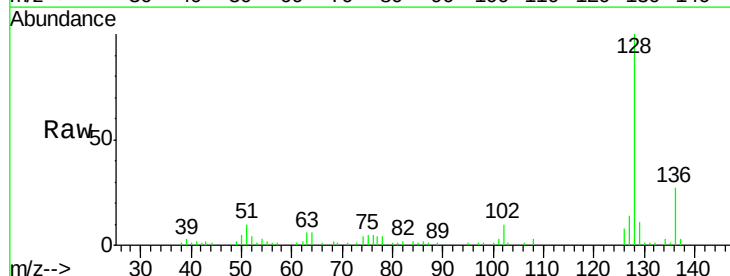
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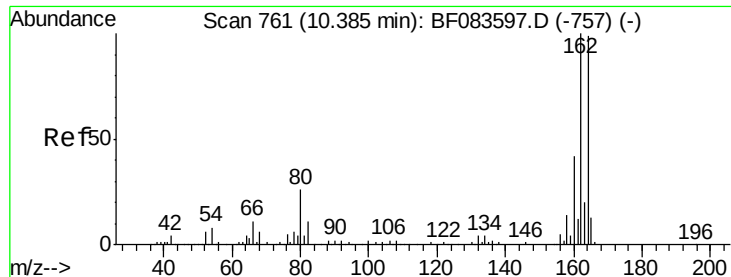
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#31
Naphthalene
Concen: 3.08 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	84799		
129	10.7	8.6	13.0	
127	14.5	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: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-03(0-8)DL

Tot Ion:164 Resp: 242673

Ion Ratio Lower Upper

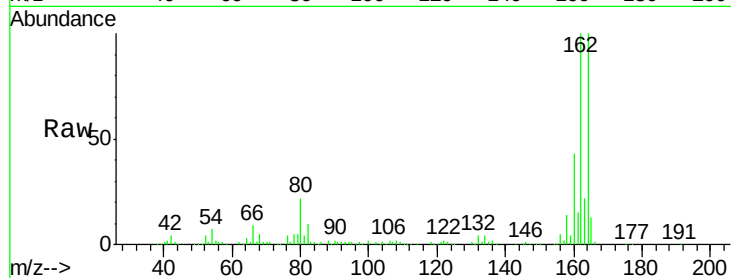
164 100

162 100.4 78.8 118.2

160 43.3 33.4 50.2

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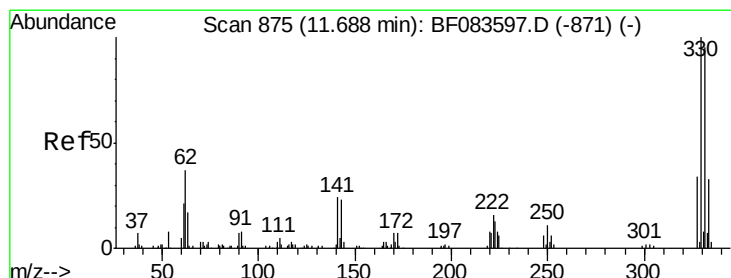
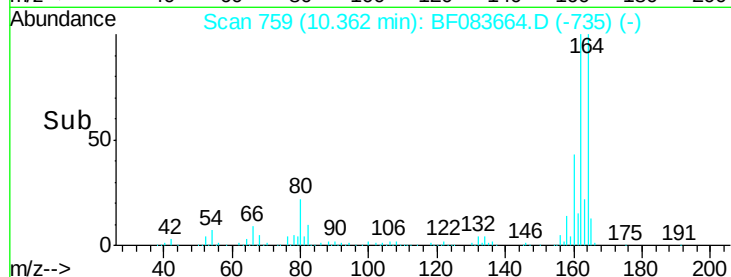
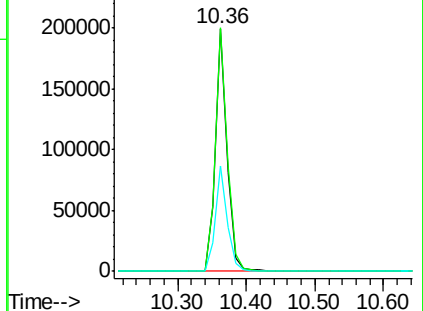
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 47.32 ng

RT: 11.67 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

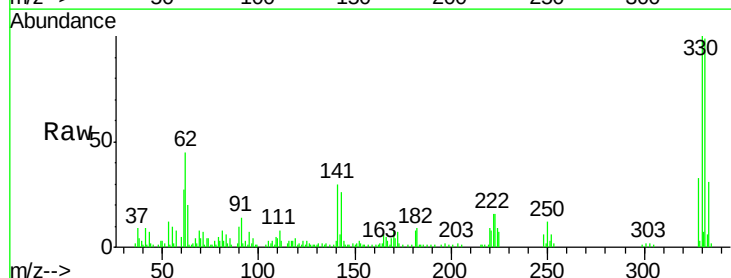
Tgt Ion:330 Resp: 102300

Ion Ratio Lower Upper

330 100

332 99.1 0.0 0.0#

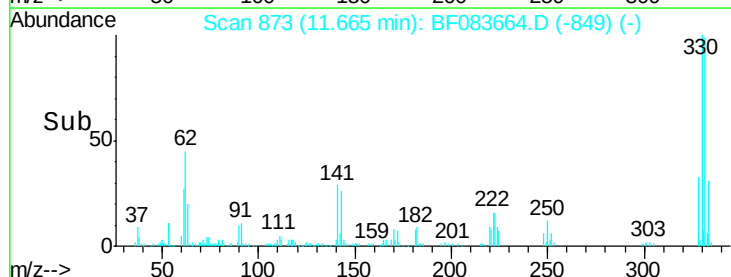
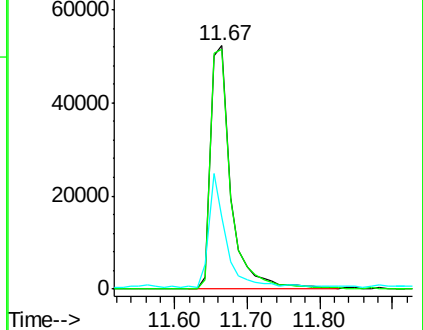
141 39.6 0.0 0.0#

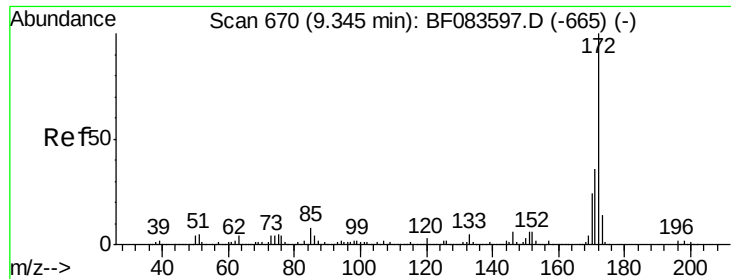


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 48.96 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

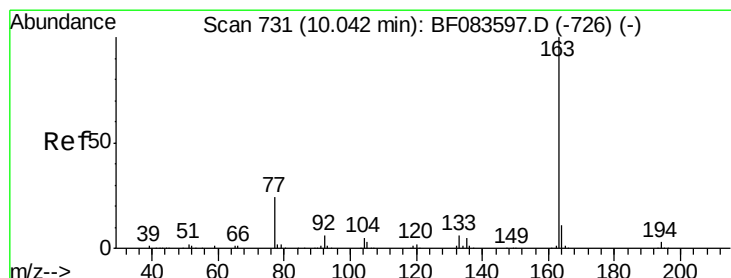
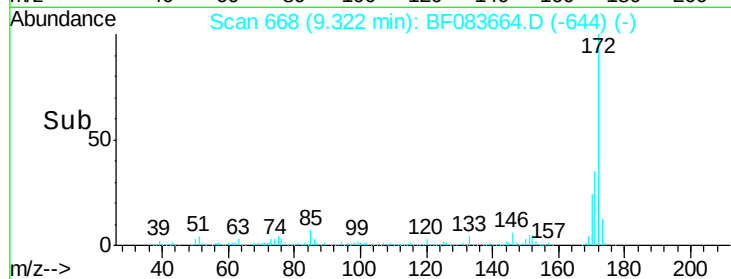
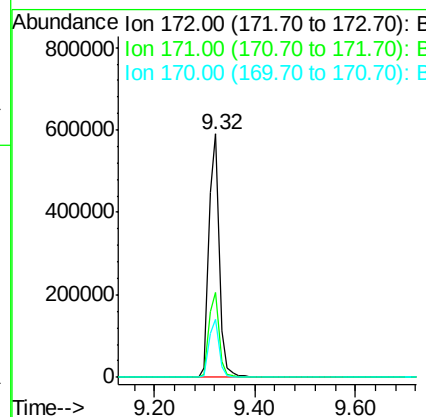
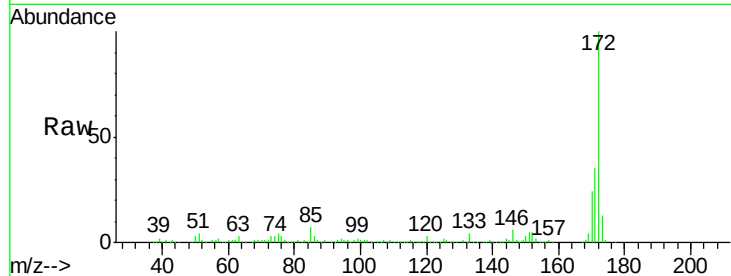
ClientSampleId :

SB-P3WC-03(0-8)DL

Tot Ion:	172	Resp:	844150
Ion Ratio		Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.8	19.4	29.0

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#49

Dimethylphthalate

Concen: 2.61 ng

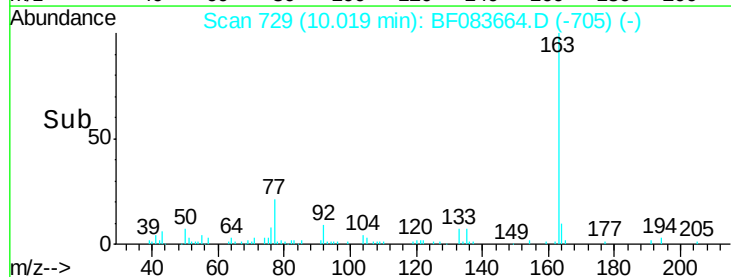
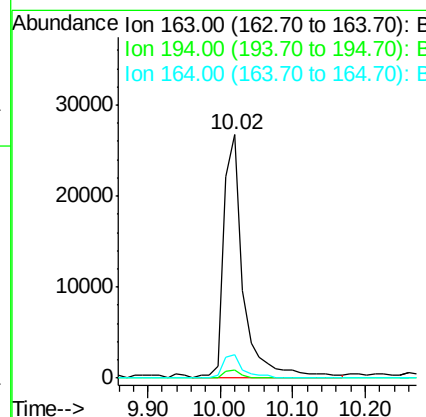
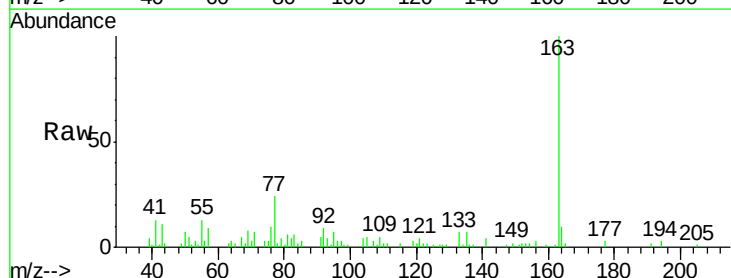
RT: 10.02 min Scan# 729

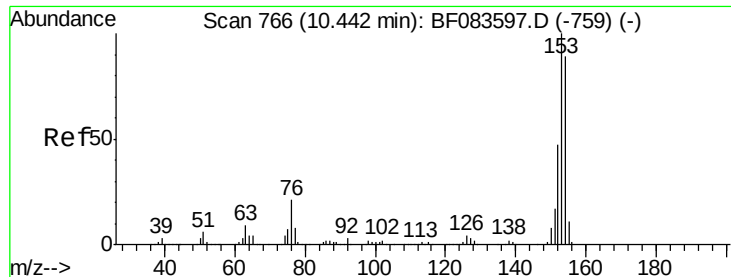
Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion:	163	Resp:	50495
Ion Ratio		Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.7	8.6	13.0





#51

Acenaphthene

Concen: 4.55 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

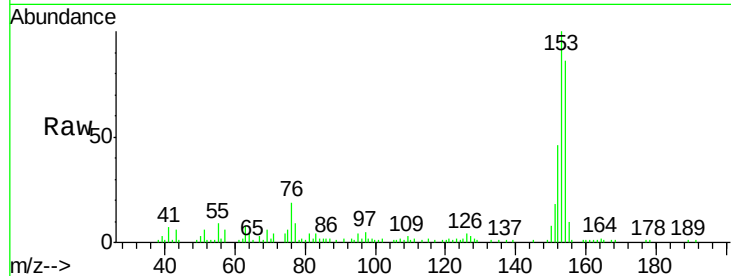
ClientSampleId :

SB-P3WC-03(0-8)DL

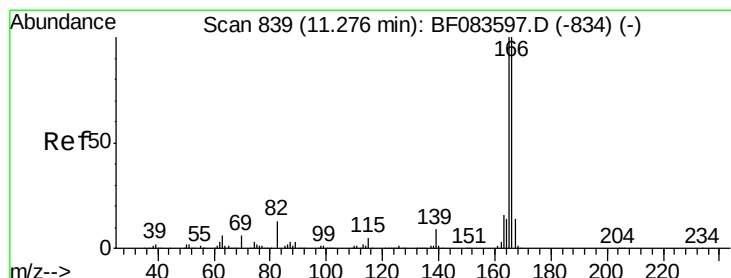
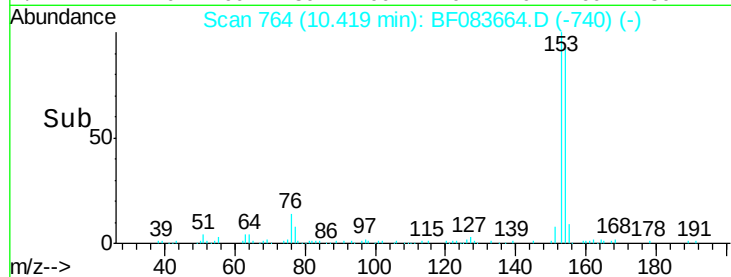
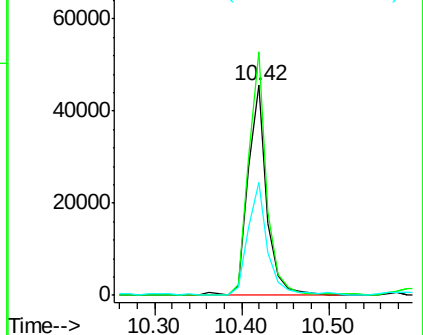
Tot Ion:	154	Resp:	68446
Ion Ratio	Lower	Upper	
154	100		
153	116.0	91.4	137.0
152	53.9	43.4	65.2

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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: 2.85 ng

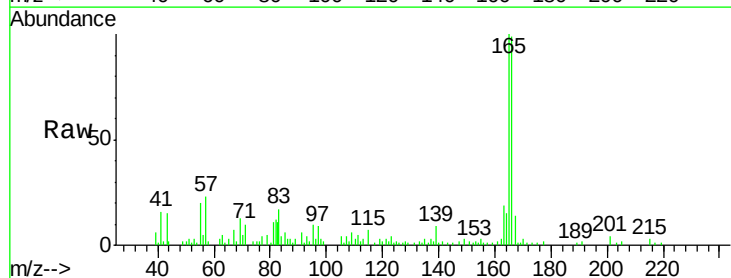
RT: 11.27 min Scan# 838

Delta R.T. -0.01 min

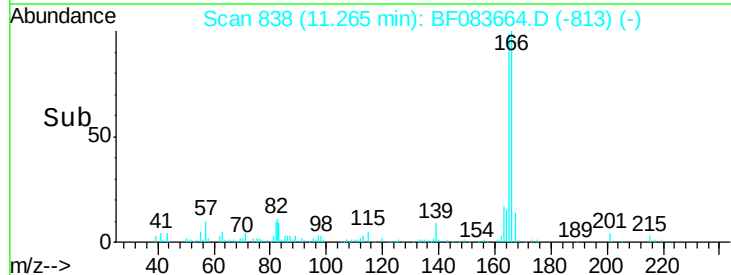
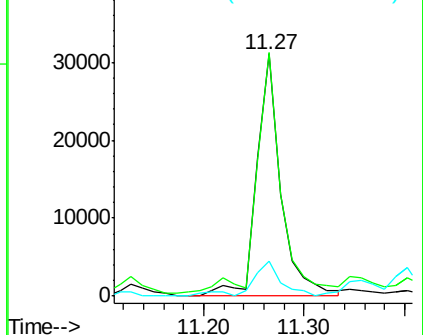
Lab File: BF083664.D

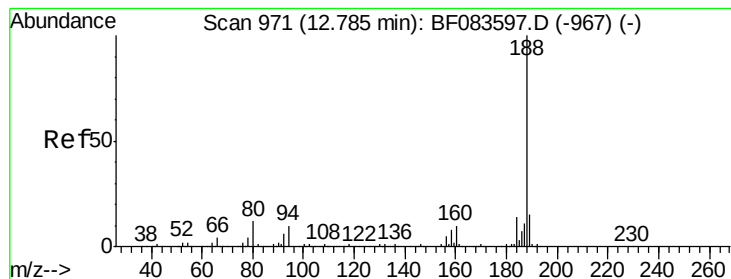
Acq: 10 Dec 2015 4:15

Tgt Ion:	166	Resp:	51774
Ion Ratio	Lower	Upper	
166	100		
165	100.5	80.0	120.0
167	14.2	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: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

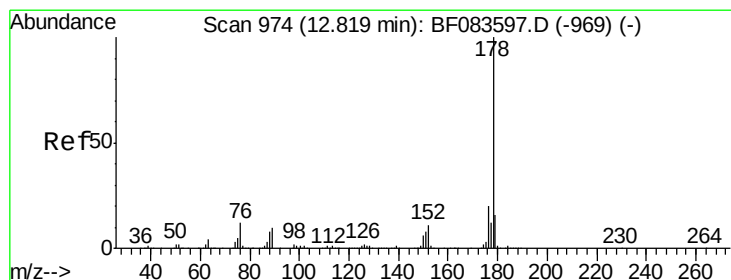
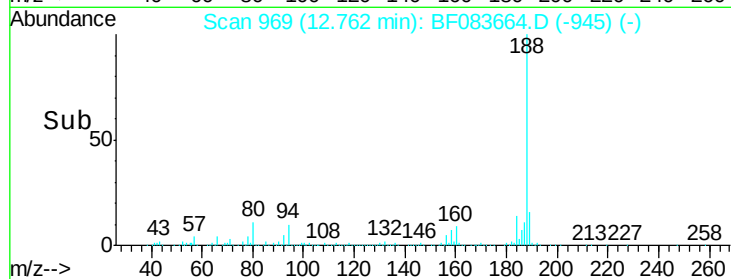
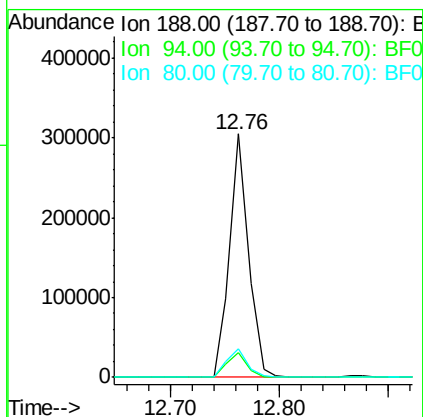
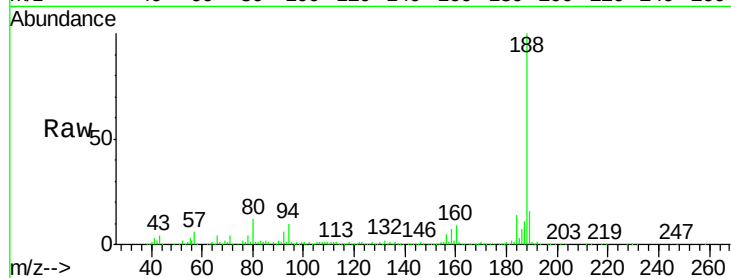
ClientSampleId :

SB-P3WC-03(0-8)DL

Tot Ion:	188	Resp:	369966
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.7	10.6	16.0

Manual Integrations
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#70

Phenanthrene

Concen: 33.48 ng

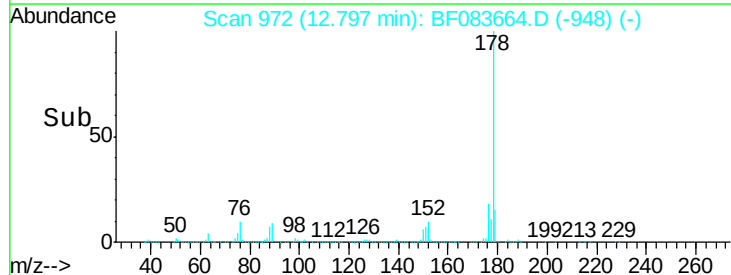
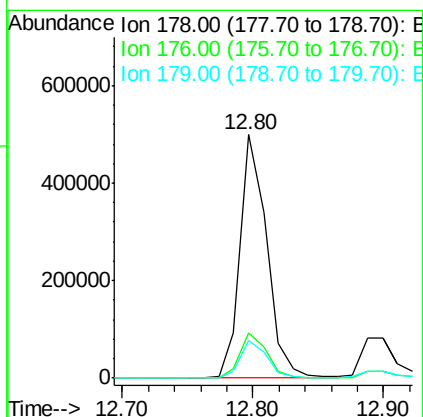
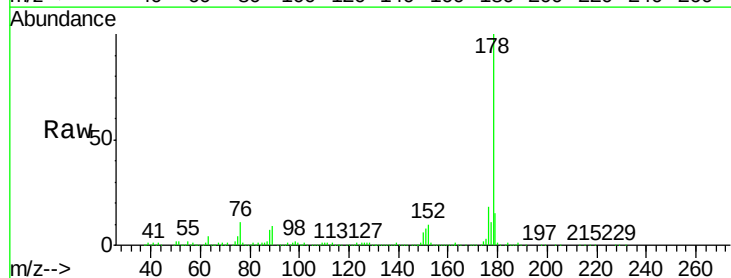
RT: 12.80 min Scan# 972

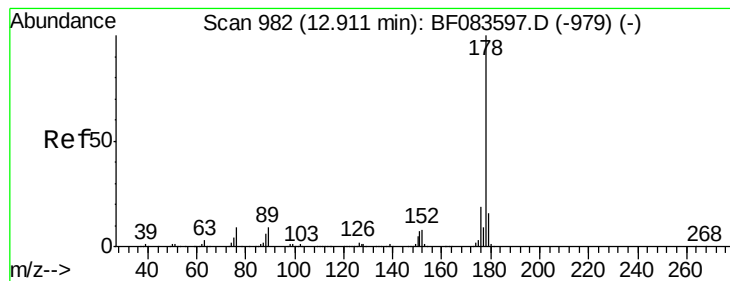
Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion:	178	Resp:	711760
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.7	23.5
179	15.5	12.2	18.4





#71

Anthracene

Concen: 6.82 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

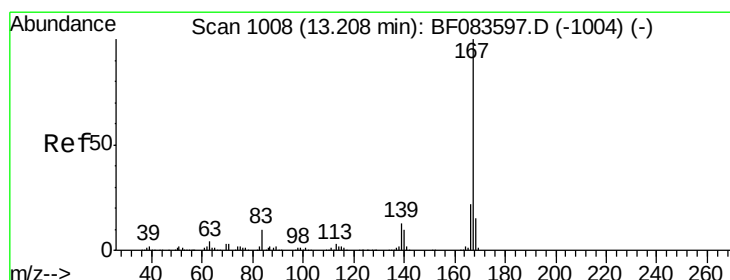
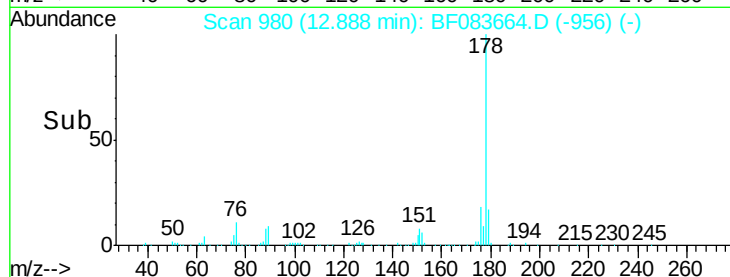
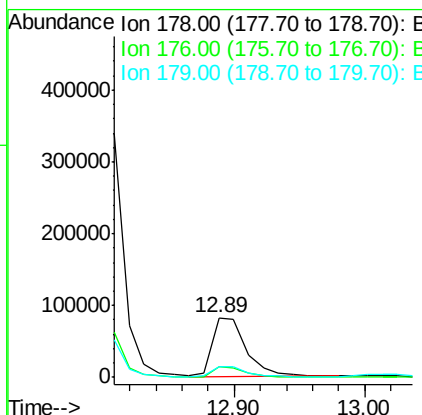
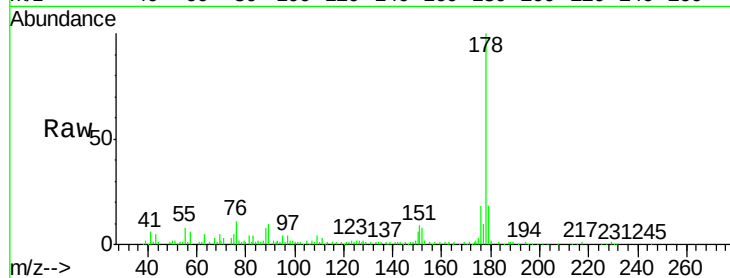
ClientSampleId :

SB-P3WC-03(0-8)DL

Tot Ion:	178	Resp:	150232
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.2	22.8
179	17.7	12.6	18.8

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#72

Carbazole

Concen: 3.11 ng

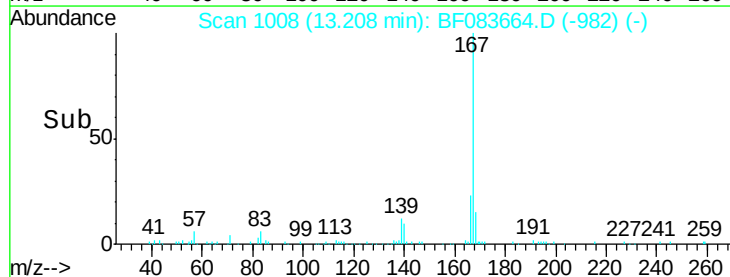
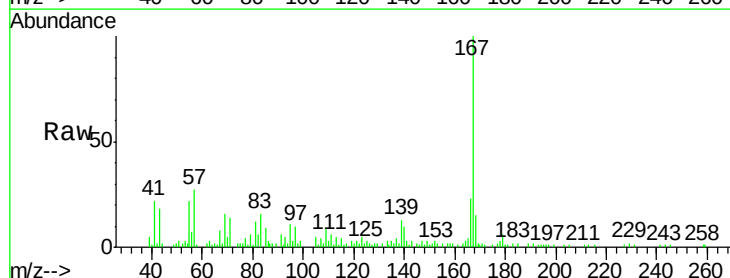
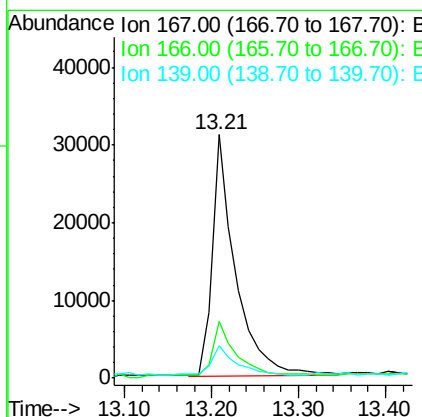
RT: 13.21 min Scan# 1008

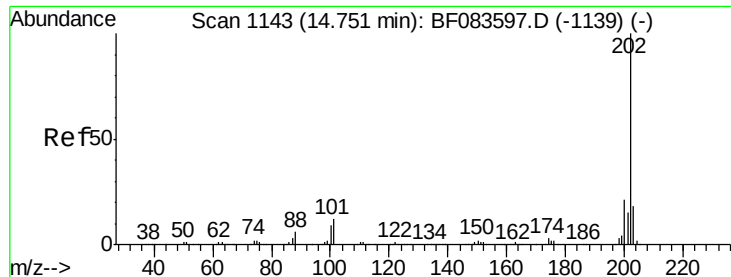
Delta R.T. 0.00 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Tgt Ion:	167	Resp:	58670
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.2	25.8
139	13.5	9.3	13.9





#74

Fluoranthene

Concen: 45.04 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083664.D

Acq: 10 Dec 2015 4:15

Instrument :

BNA_F

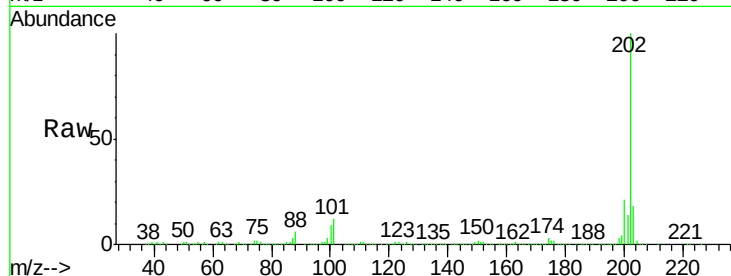
ClientSampleId :

SB-P3WC-03(0-8)DL

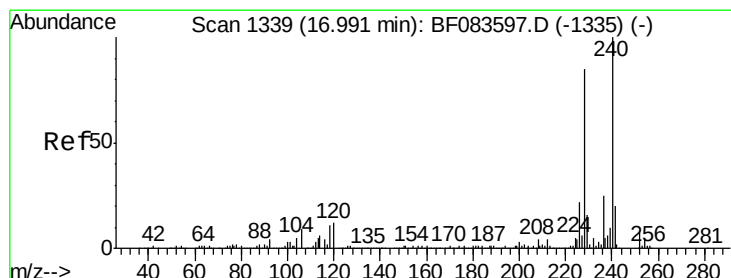
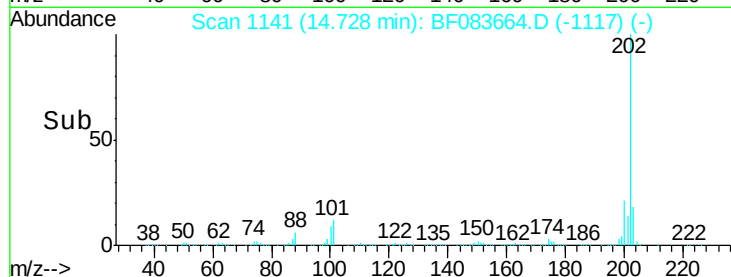
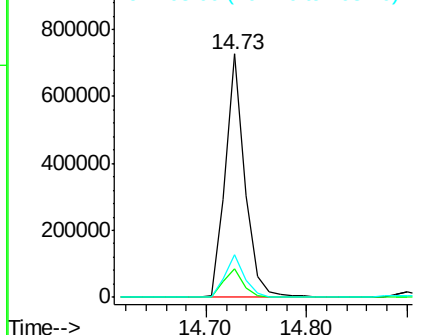
Tot Ion	Ratio	Resp	Lower	Upper
202	100	979307		
101	11.9	0.0	31.5	
203	17.7	0.0	37.6	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

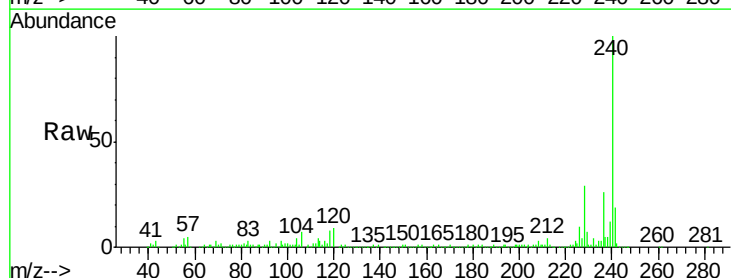
RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

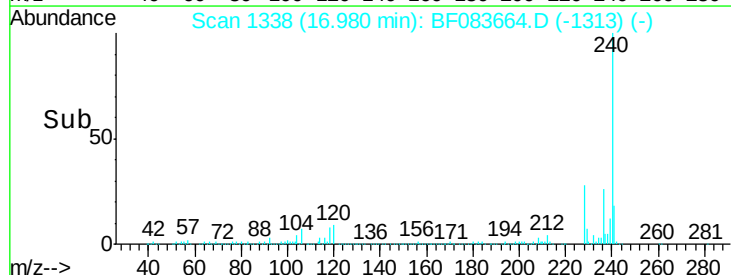
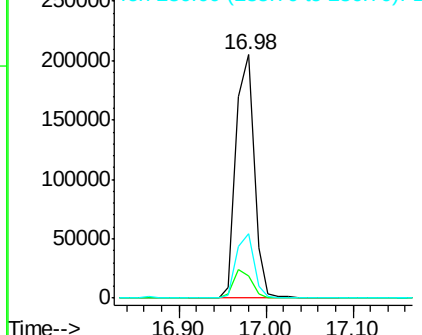
Lab File: BF083664.D

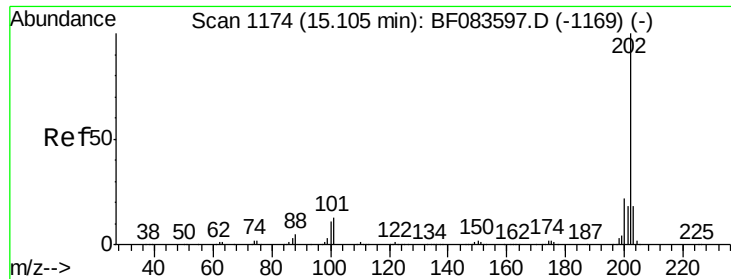
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	298464		
120	9.0	8.1	12.1	
236	26.3	20.8	31.2	



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





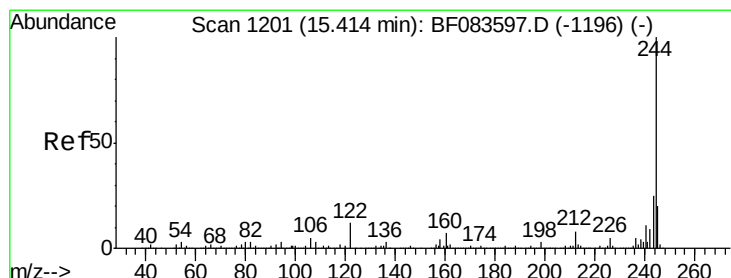
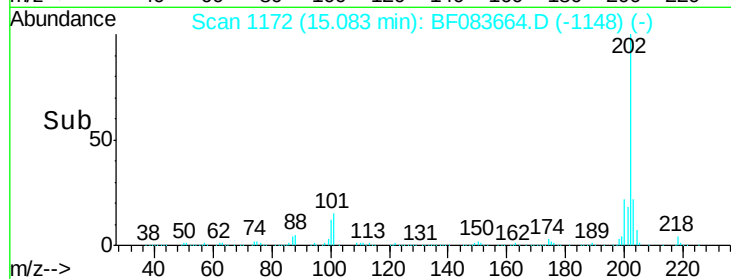
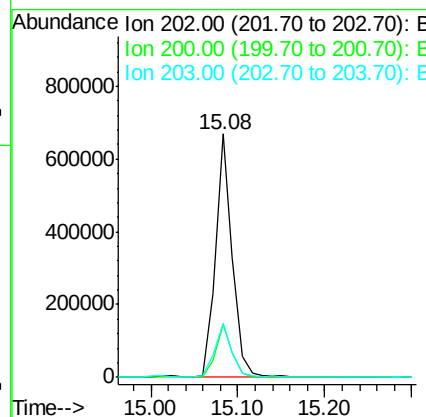
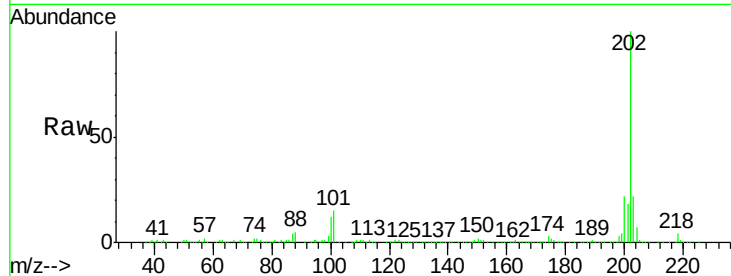
#77
Pvrene
Concen: 41.89 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	22.3	14.3	21.5

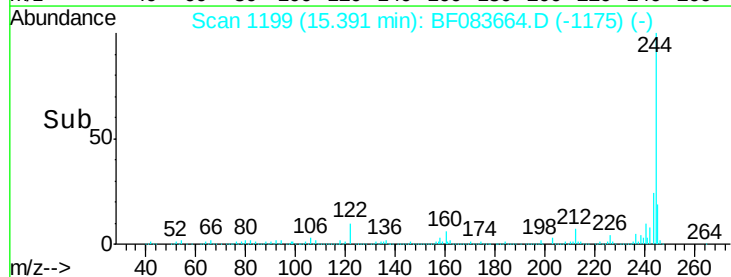
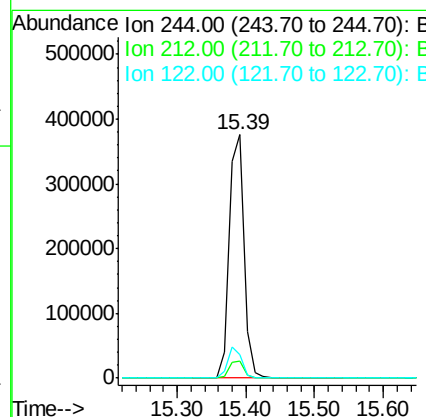
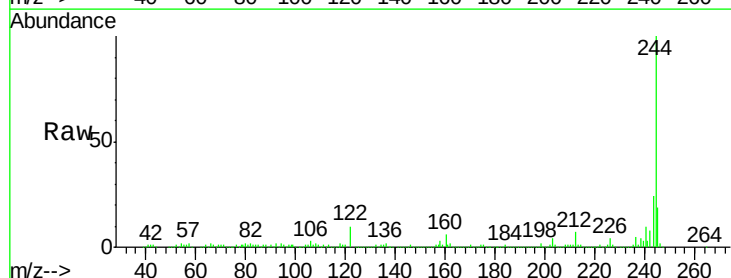
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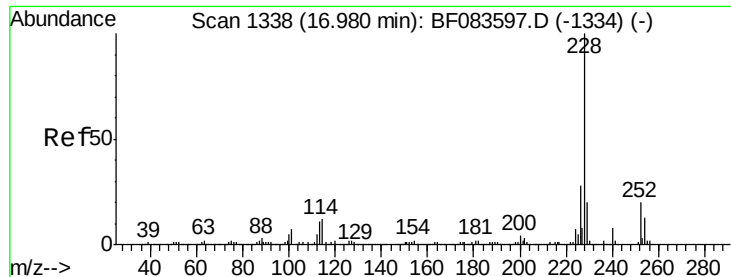
MMdadoda
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#78
Terphenyl-d14
Concen: 45.36 ng
RT: 15.39 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	9.7	11.0	16.6





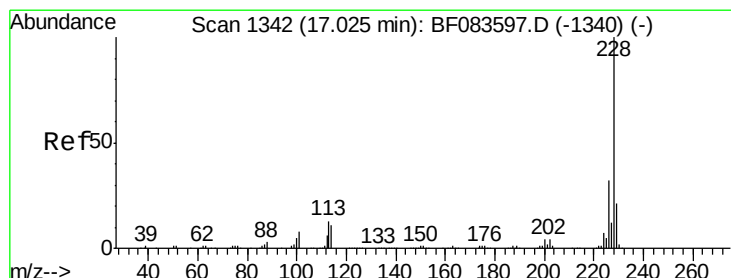
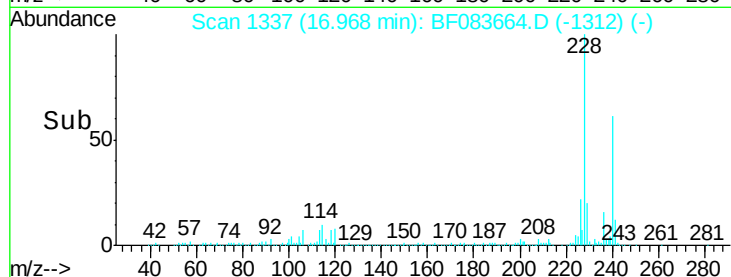
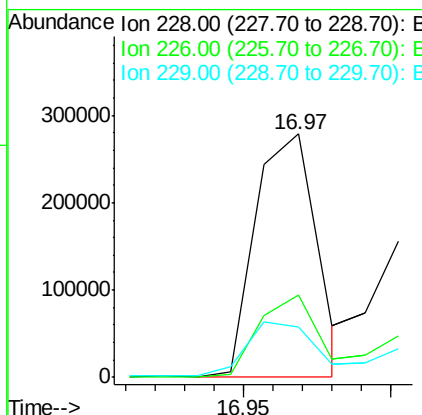
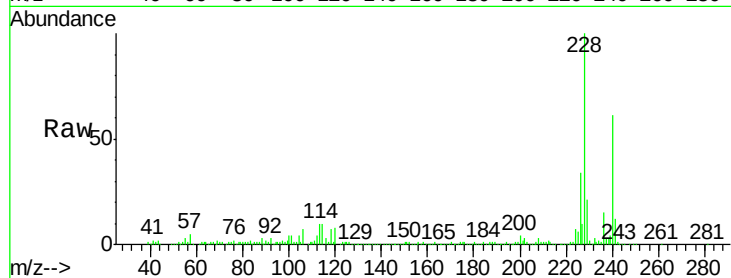
#80
Benzo(a)anthracene
Concen: 23.09 ng m
RT: 16.97 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.3	33.5#
229	20.6	15.7	23.5

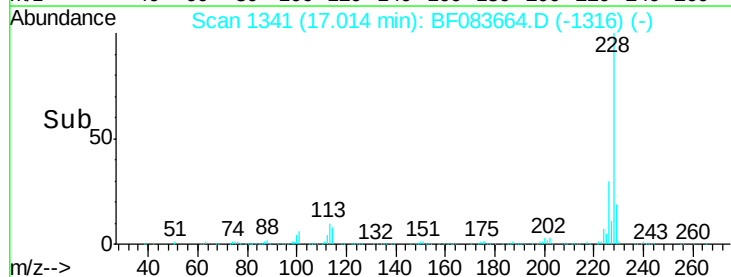
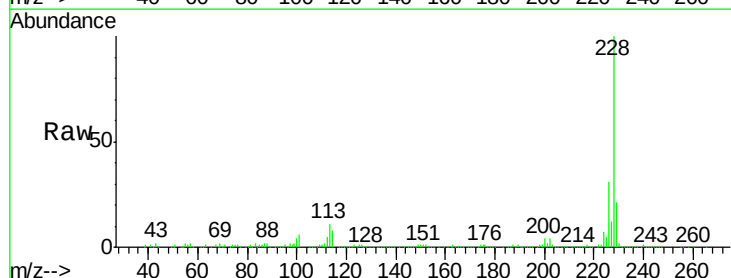
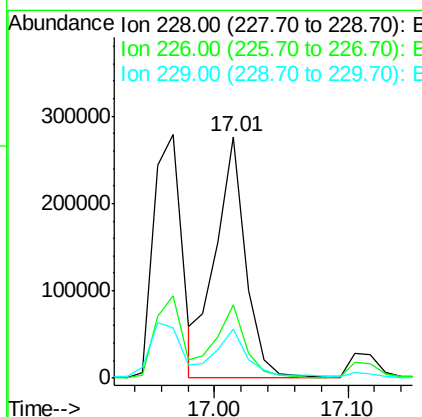
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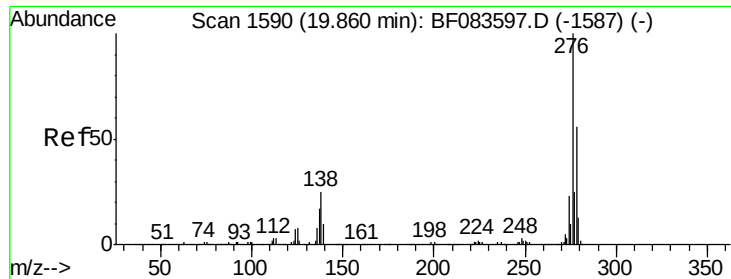
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#82
Chrysene
Concen: 25.22 ng m
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	20.5	16.3	24.5





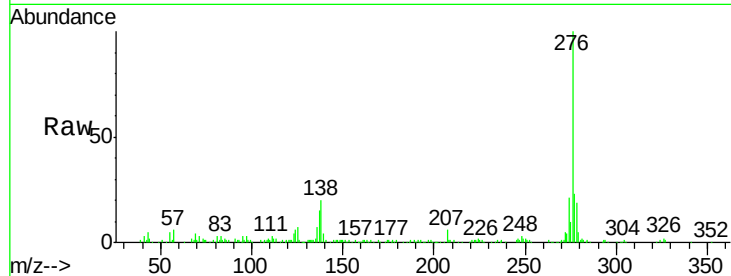
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.23 ng
RT: 19.87 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	20.0	0.0	0.0#
277	23.2	0.0	0.0#

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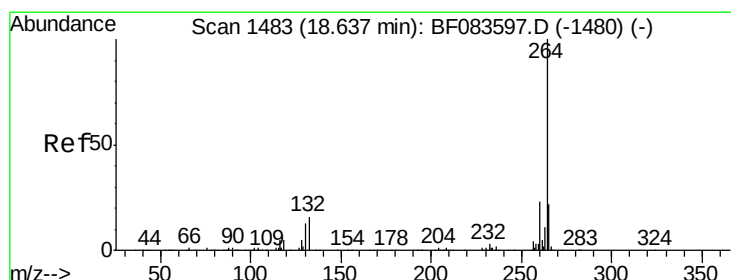
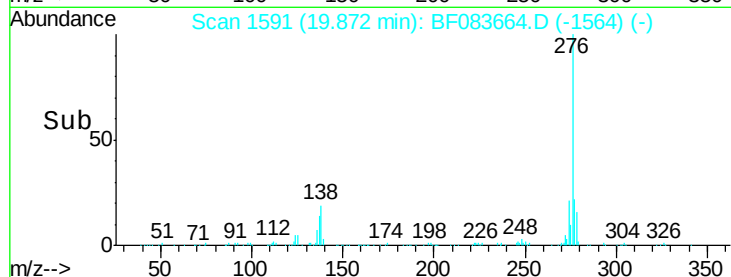
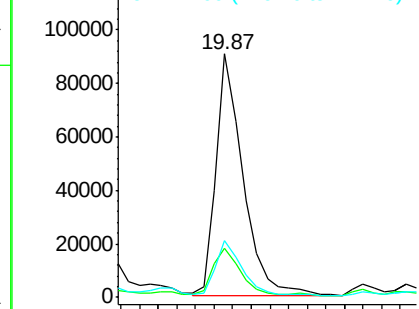


Abundance

Ion 276.00 (275.70 to 276.70): E

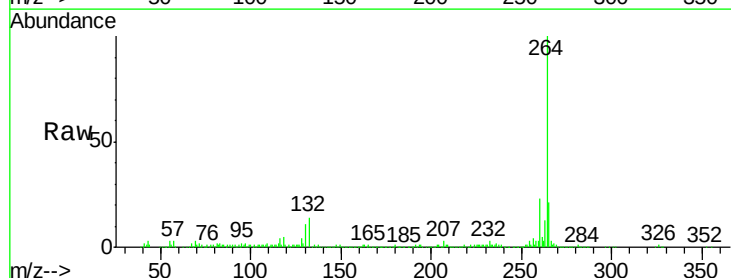
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.4	17.8	26.6

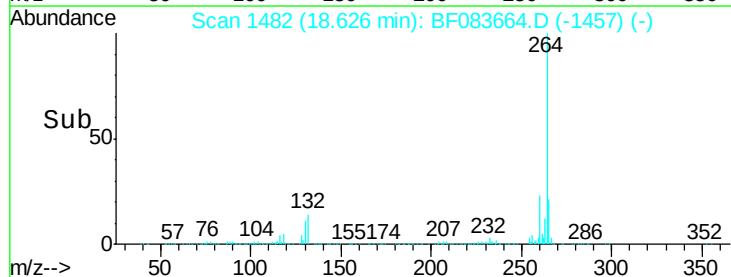
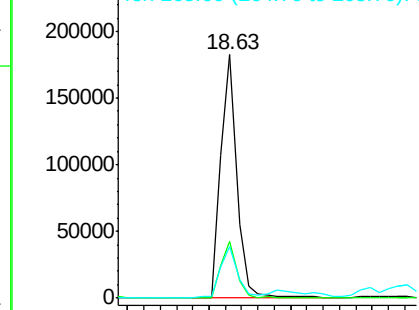


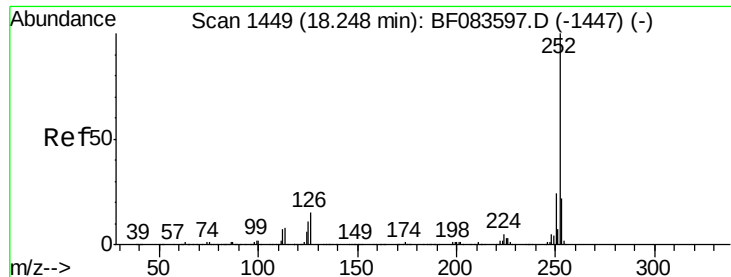
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





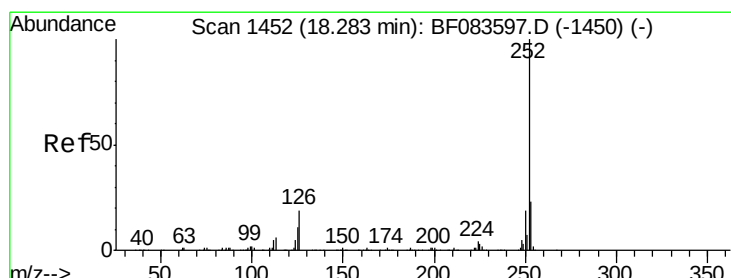
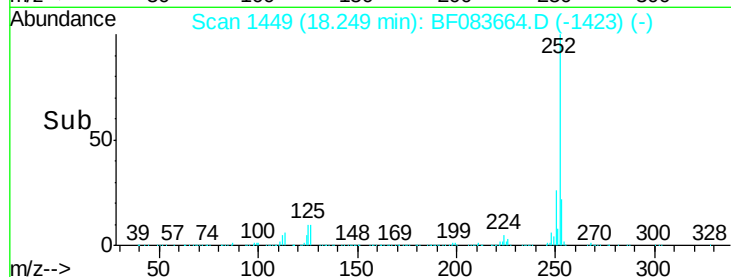
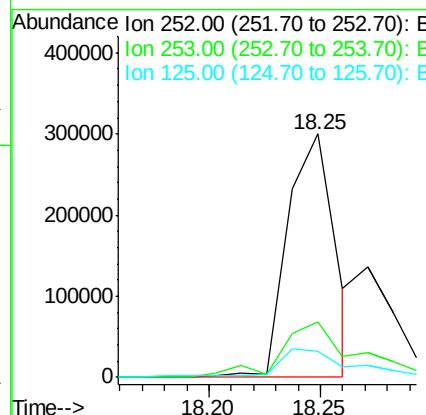
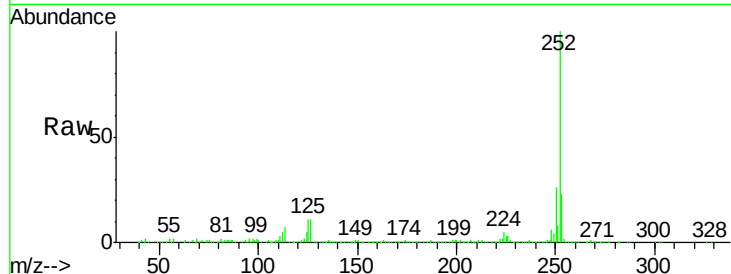
#87
Benzo(b)fluoranthene
Concen: 31.04 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	10.7	8.2	12.4

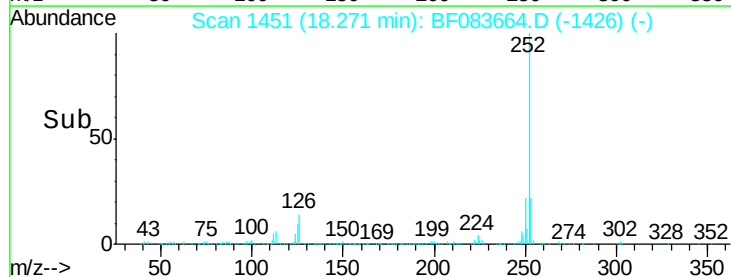
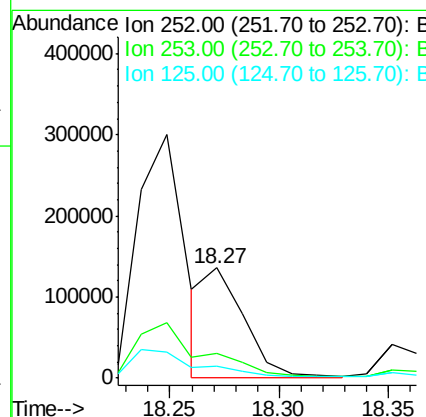
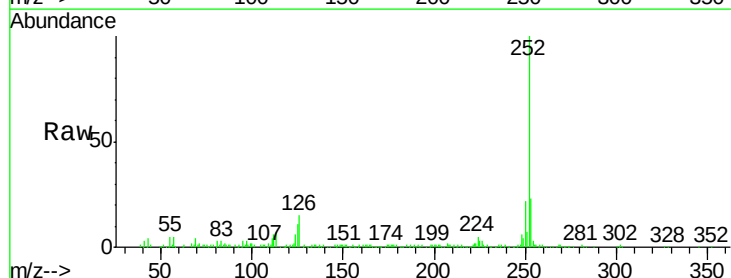
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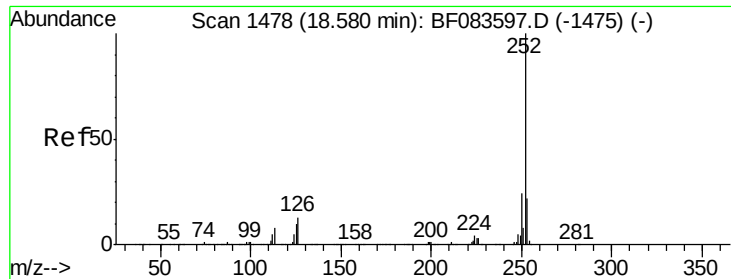
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#88
Benzo(k)fluoranthene
Concen: 10.63 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	11.2	11.5	17.3#





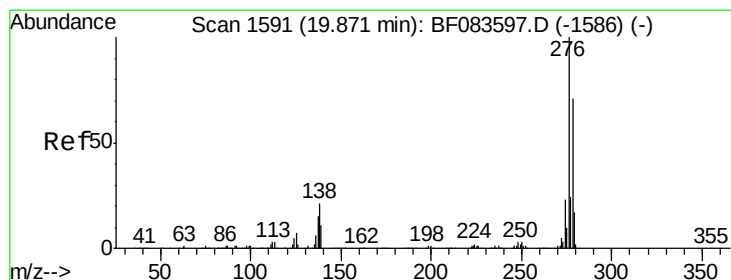
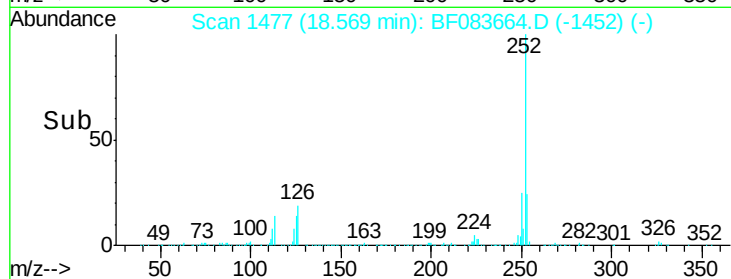
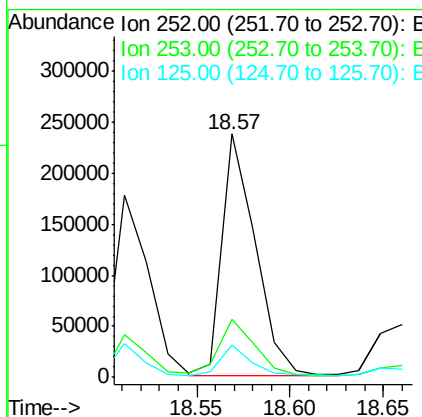
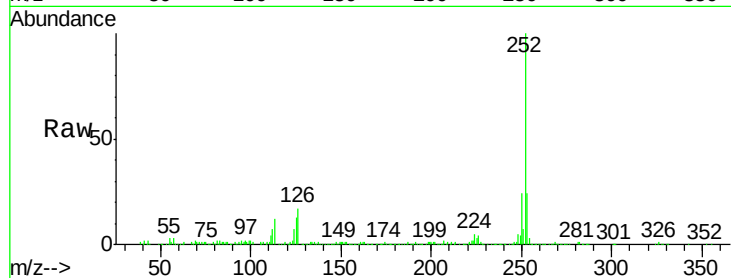
#89
Benzo(a)pyrene
Concen: 21.40 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	13.1	11.0	16.6

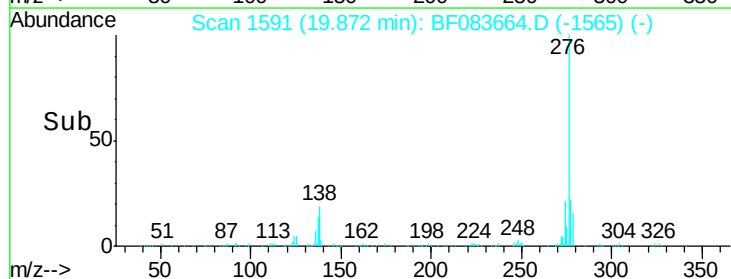
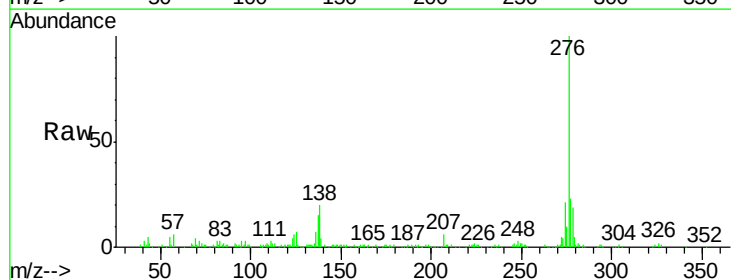
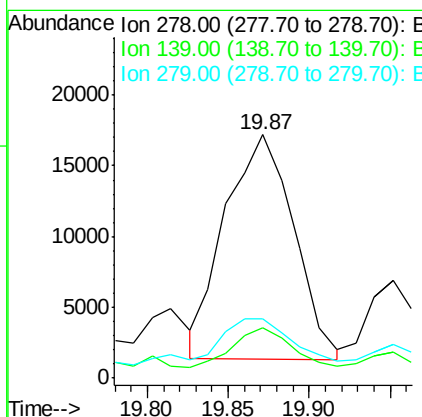
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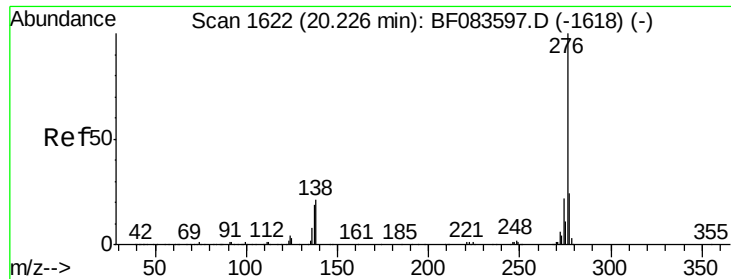
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#90
Dibenzo(a,h)anthracene
Concen: 4.36 ng m
RT: 19.87 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF083664.D
Acq: 10 Dec 2015 4:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	12.8	19.2#
279	24.3	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 18.05 ng
 RT: 20.23 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BF083664.D
 Acq: 10 Dec 2015 4:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-03(0-8)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	22.2	19.5	29.3

Manual Integrations
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MMdadoda
 12/10/2015 5:50:25 PM

