

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083034.D
 Acq On : 19 Nov 2015 3:46
 Operator : UM/IZ
 Sample : G4426-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

Manual Integrations
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 11/19/2015 6:45:05 PM

Quant Time: Nov 19 06:33:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	118300	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	441764	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	191593	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	322204	20.00	ng	0.00
75) Chrysene-d12	13.88	240	247163	20.00	ng	-0.01
86) Perylene-d12	15.28	264	210396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1024329	134.72	ng	0.01
7) Phenol-d6	6.40	99	1547264	153.08	ng	0.00
23) Nitrobenzene-d5	7.30	82	783638	77.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	203870	92.80	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1270243	95.02	ng	0.00
78) Terphenyl-d14	12.84	244	788228	75.64	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.04	128	143668	5.89	ng	97
49) Dimethylphthalate	9.49	163	368170	23.45	ng	99
51) Acenaphthene	9.80	154	71868	5.64	ng	97
54) Dibenzofuran	9.97	168	73273	4.27	ng	93
57) Fluorene	10.32	166	81106	5.83	ng	100
70) Phenanthrene	11.28	178	843648	45.09	ng	98
71) Anthracene	11.32	178	219852	11.15	ng	98
72) Carbazole	11.48	167	141541	8.20	ng	95
74) Fluoranthene	12.46	202	1142406	56.90	ng	100
77) Pyrene	12.69	202	1086753	64.03	ng	97
80) Benzo(a)anthracene	13.87	228	652284	42.20	ng	99
82) Chrysene	13.92	228	491827m	34.74	ng	
85) Indeno(1,2,3-cd)pyrene	16.59	276	208708	17.12	ng	96
87) Benzo(b)fluoranthene	14.89	252	543634m	40.25	ng	
88) Benzo(k)fluoranthene	14.90	252	256988m	21.45	ng	
89) Benzo(a)pyrene	15.22	252	386944	33.07	ng	96
90) Dibenzo(a,h)anthracene	16.60	278	56910	5.74	ng	98
91) Benzo(g,h,i)perylene	16.99	276	177148	18.67	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF083034.D

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Instrument :

BNA_F

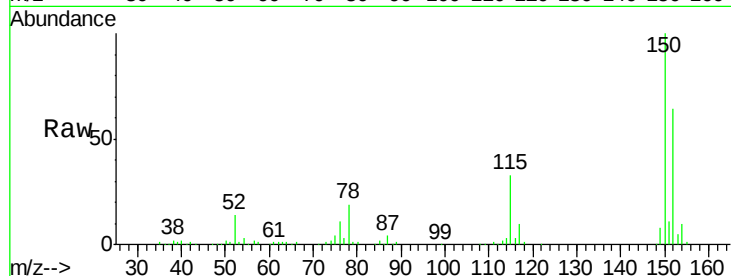
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	118300		
150	155.4	127.0	190.4	
115	51.5	47.0	70.6	

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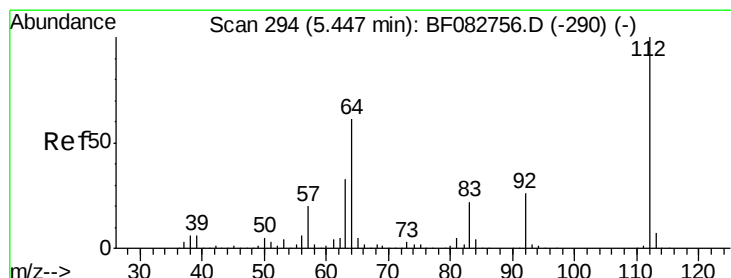
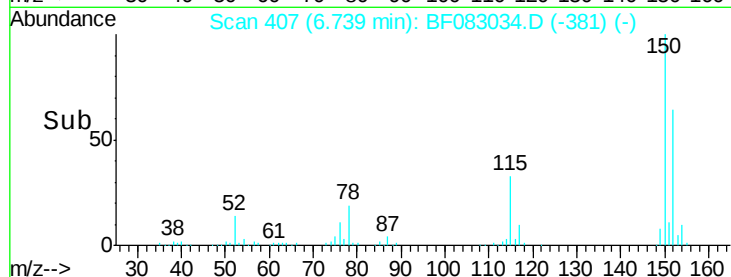
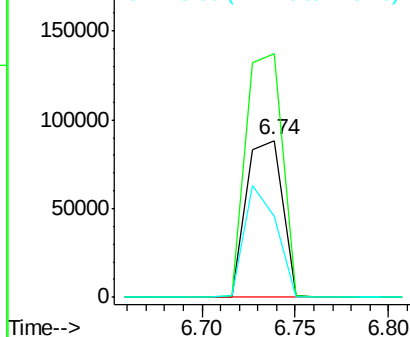
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 134.72 ng

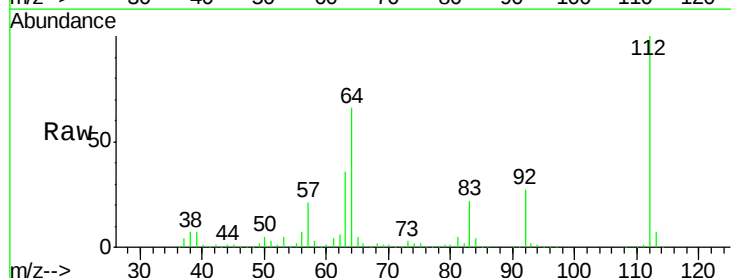
RT: 5.34 min Scan# 285

Delta R.T. 0.01 min

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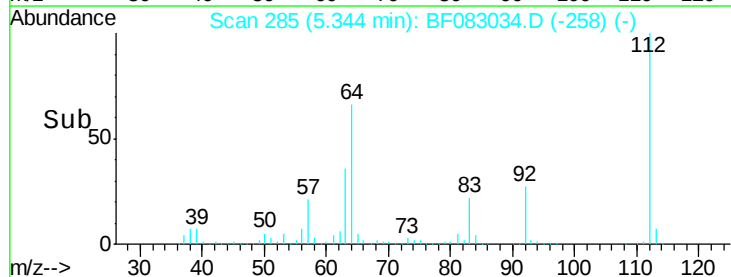
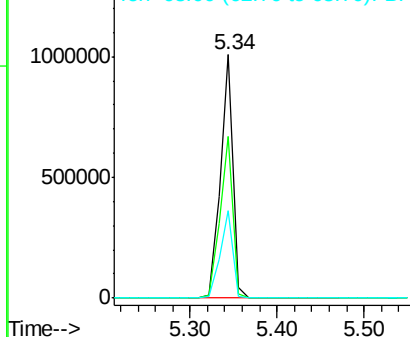
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1024329		
64	66.4	48.9	73.3	
63	35.9	28.1	42.1	

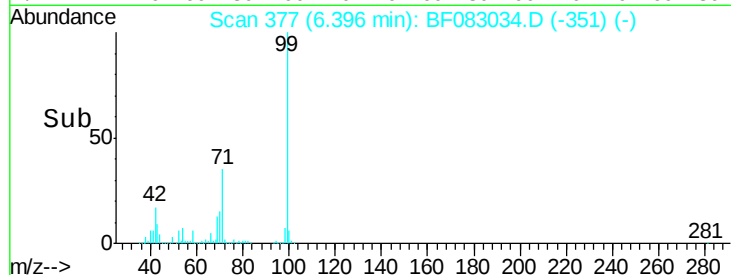
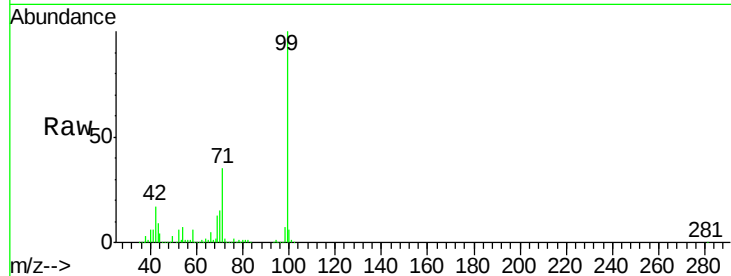
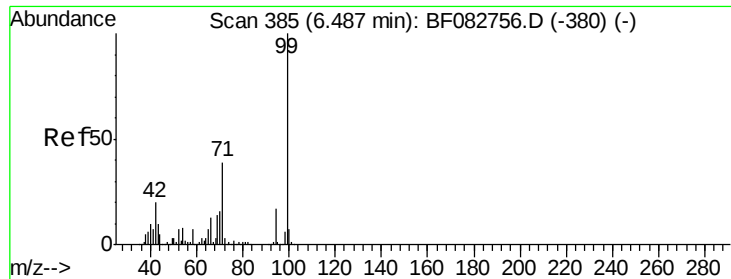


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 153.08 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Tgt Ion: 99 Resp: 1547264

Ion Ratio Lower Upper

99 100

42 16.5 19.2 28.8#

71 34.6 35.0 52.4#

Instrument :

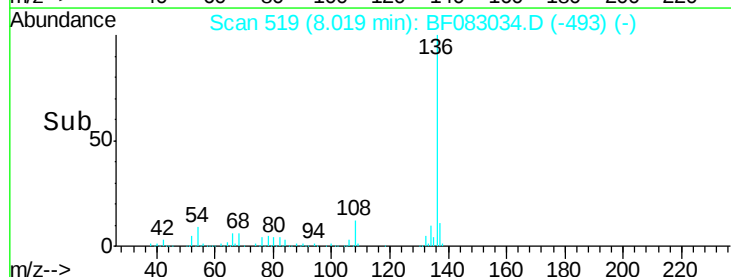
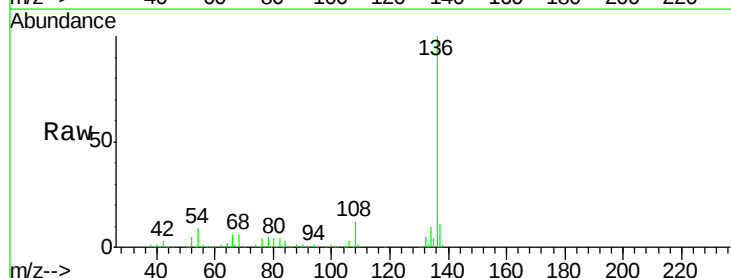
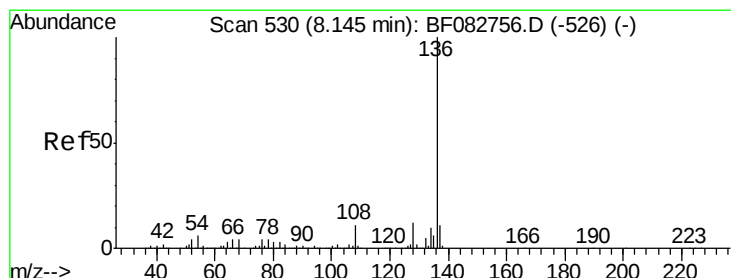
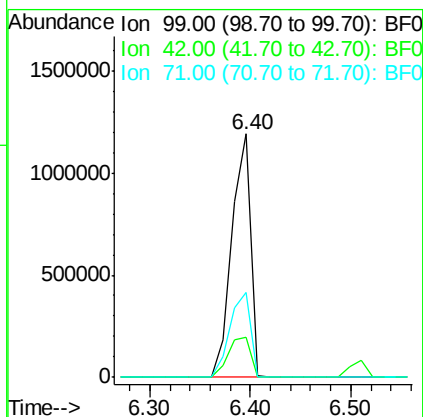
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Tgt Ion: 136 Resp: 441764

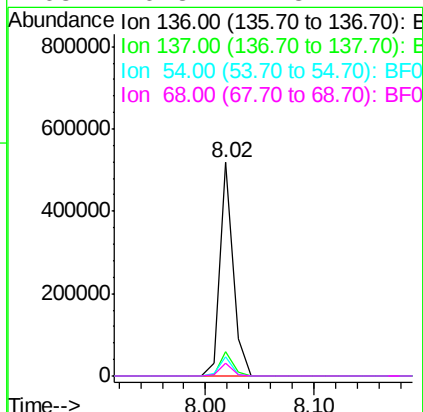
Ion Ratio Lower Upper

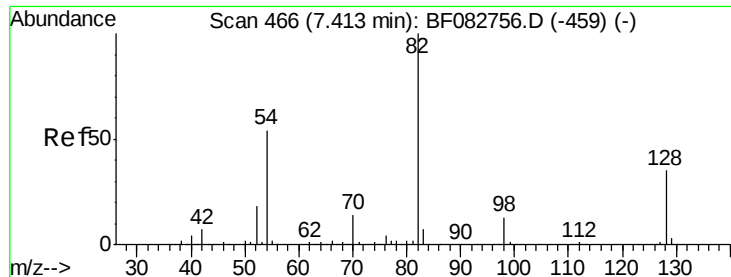
136 100

137 11.3 9.1 13.7

54 9.3 9.1 13.7

68 6.3 4.8 7.2





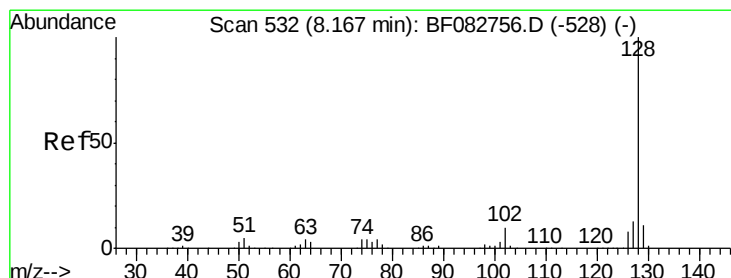
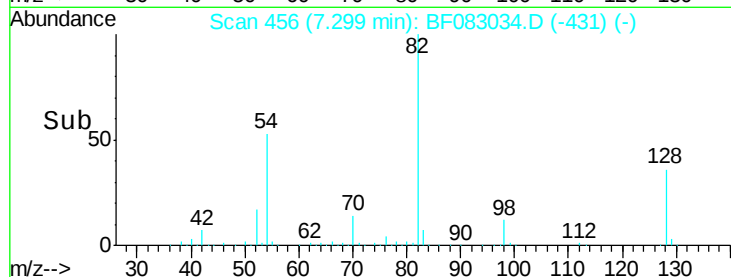
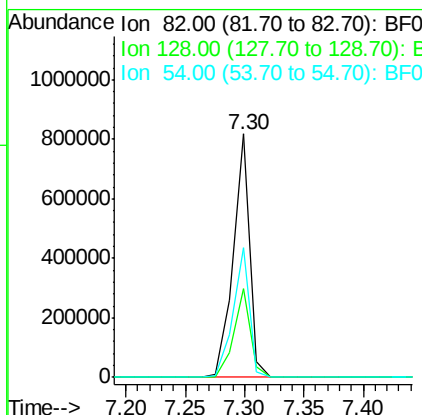
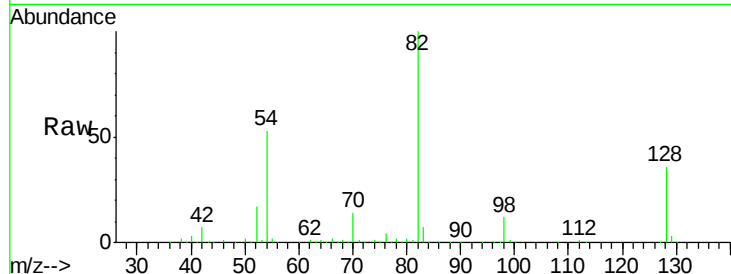
#23
 Nitrobenzene-d5
 Concen: 77.19 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.2	26.8	40.2
54	53.3	45.7	68.5

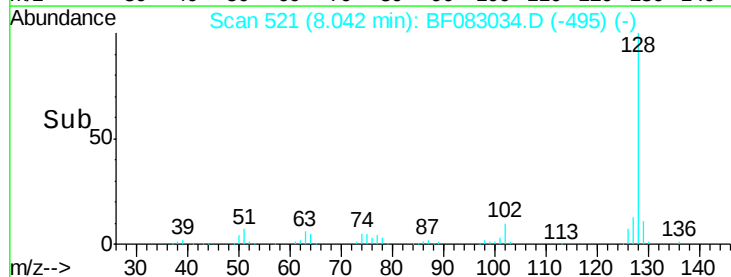
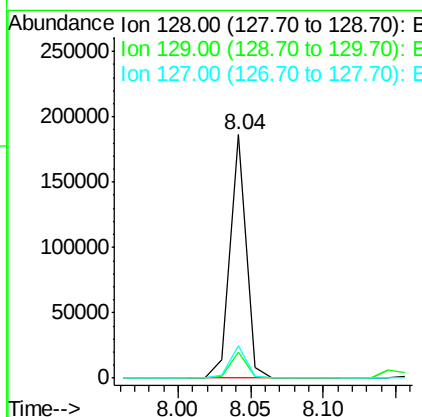
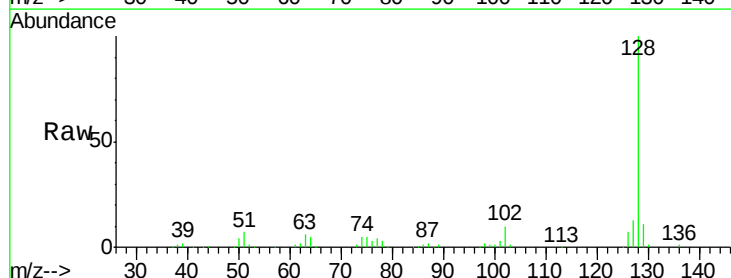
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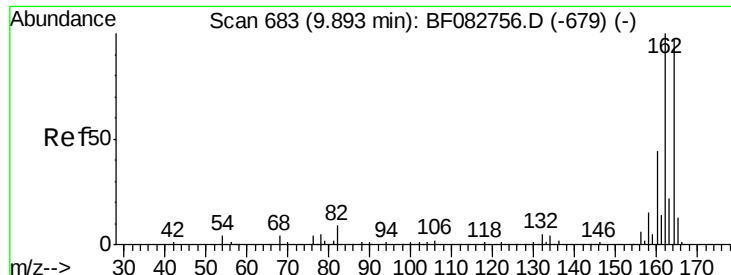
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#31
 Naphthalene
 Concen: 5.89 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.5	14.3
127	13.3	11.4	17.0





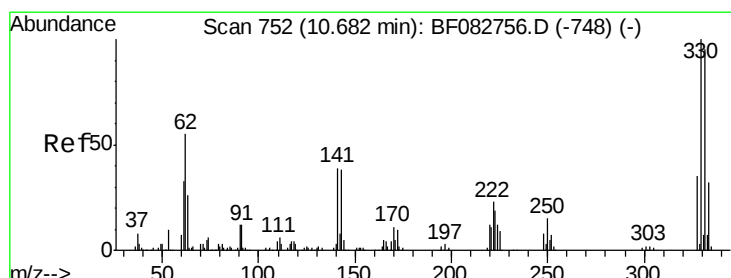
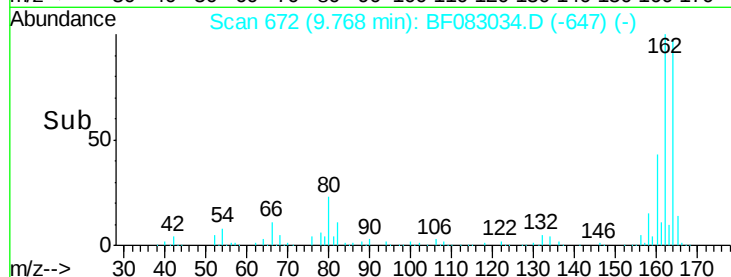
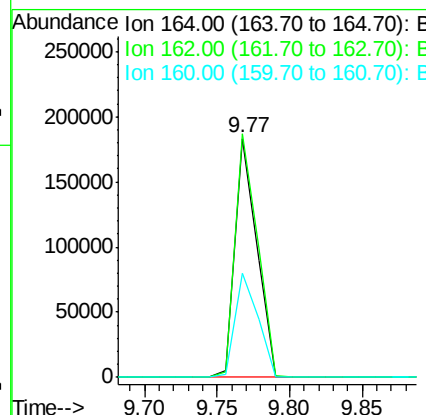
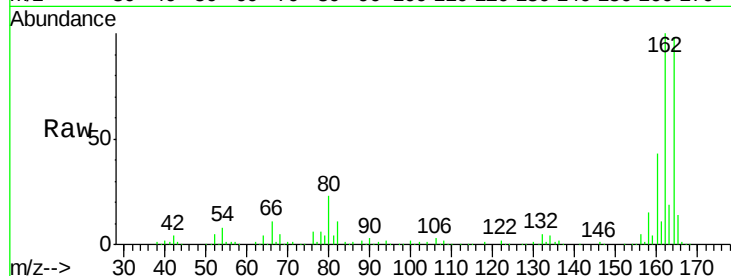
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191593		
162	102.0	84.9	127.3	
160	43.6	37.5	56.3	

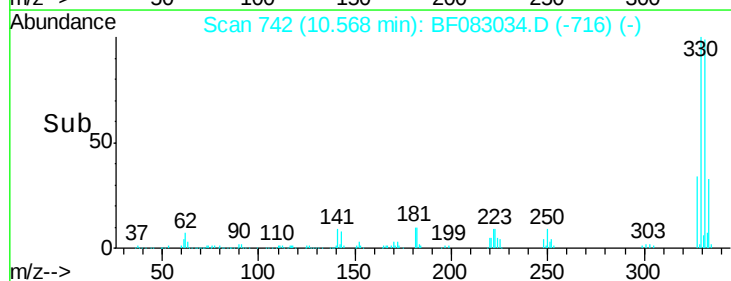
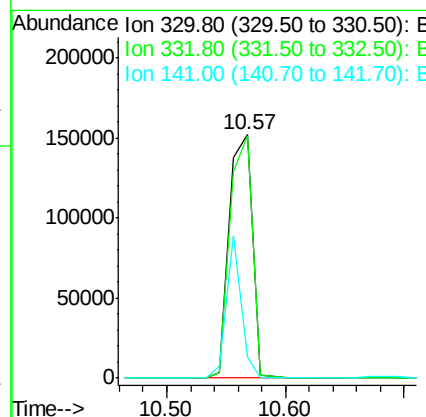
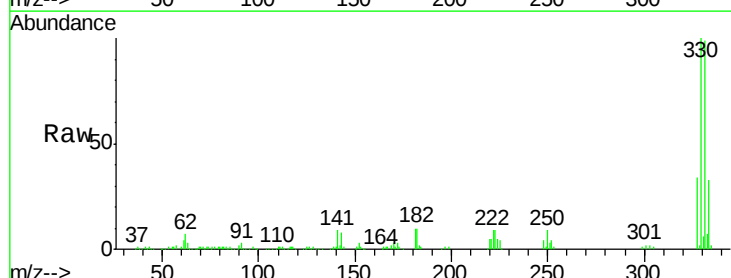
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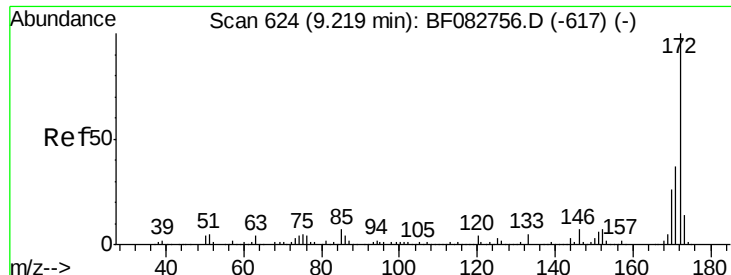
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#41
2,4,6-Tribromophenol
Concen: 92.80 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

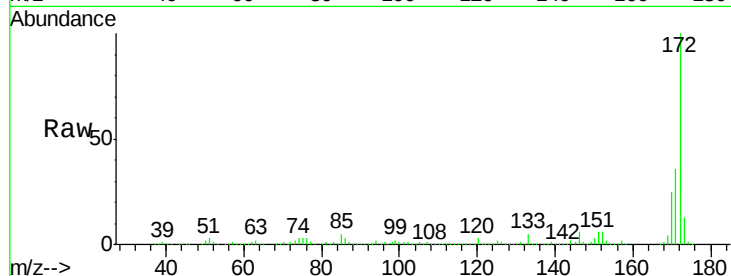
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	203870		
332	96.5	76.6	114.8	
141	38.2	41.2	61.8	





#44
2-Fluorobiphenyl
Concen: 95.02 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

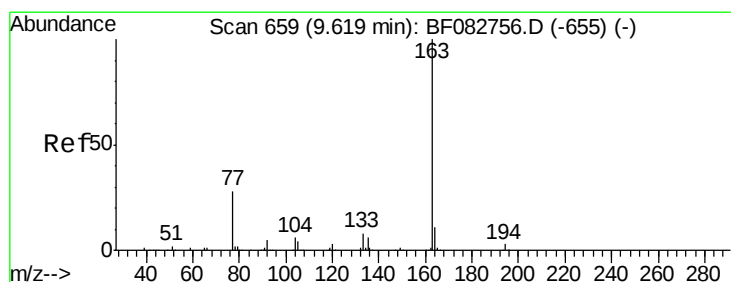
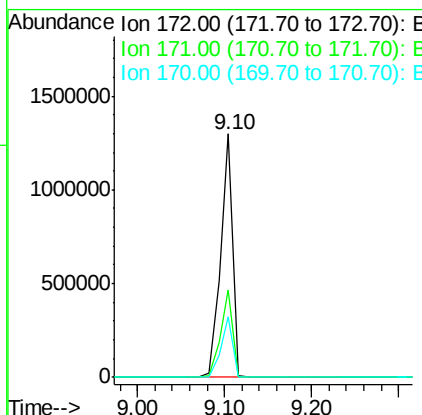
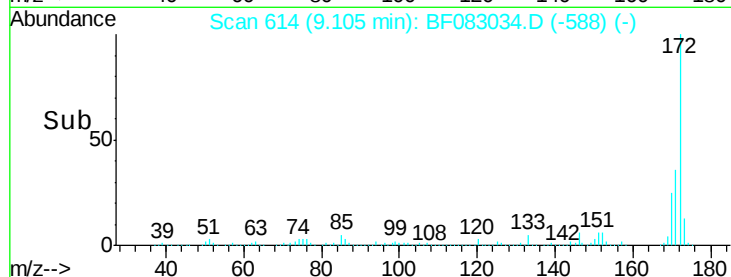
Instrument :
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Tgt Ion:172 Resp: 1270243
Ion Ratio Lower Upper
172 100
171 36.1 30.8 46.2
170 25.0 21.2 31.8

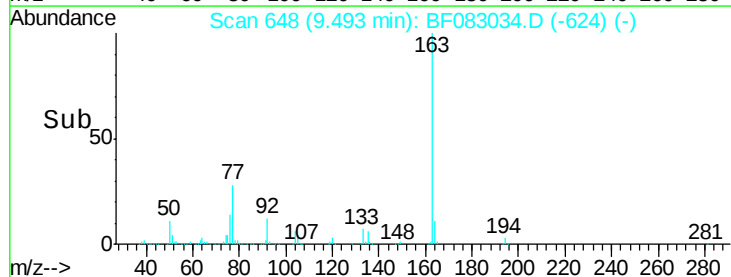
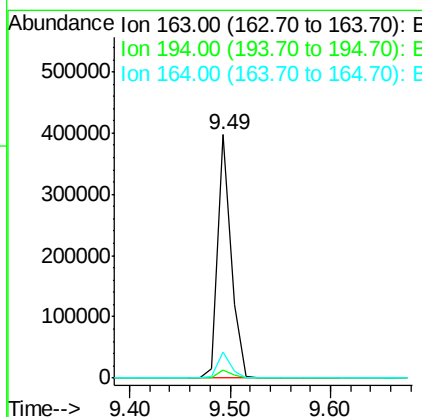
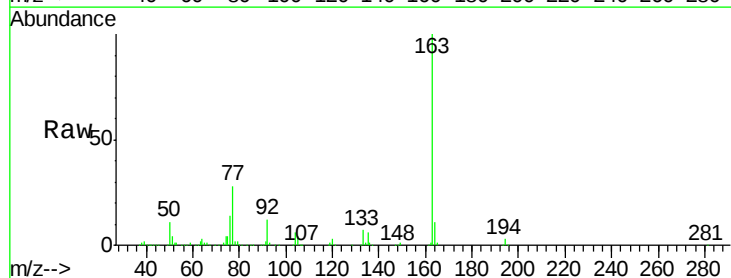
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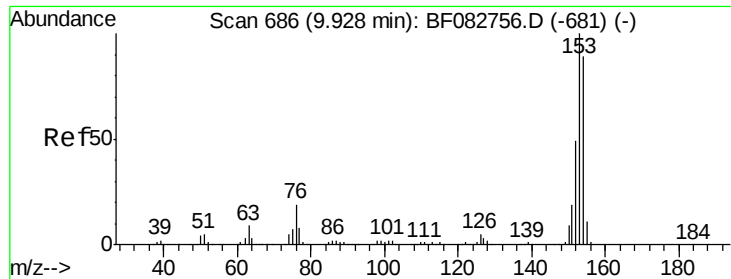
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#49
Dimethylphthalate
Concen: 23.45 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083034.D
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Tgt Ion:163 Resp: 368170
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.7 8.7 13.1





#51

Acenaphthene

Concen: 5.64 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Instrument :

BNA_F

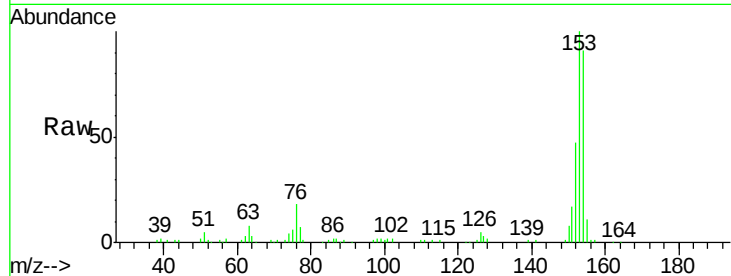
ClientSampleId :

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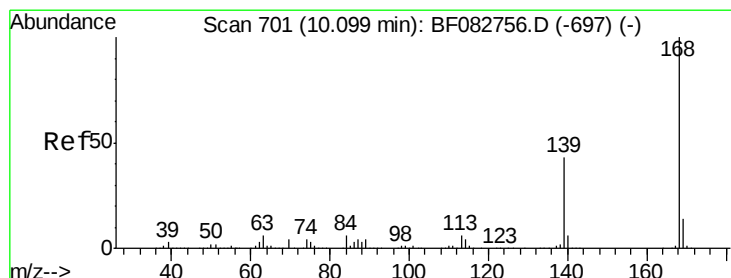
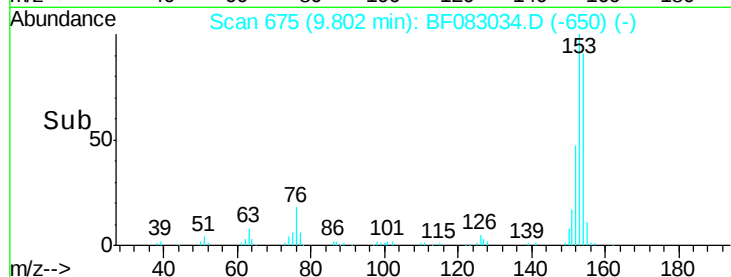
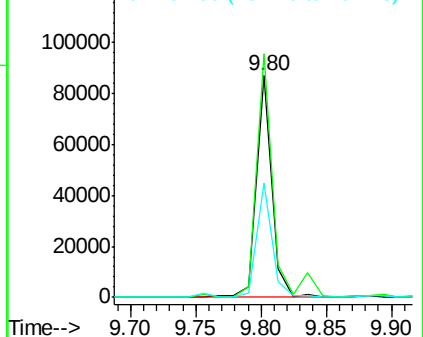
Tgt Ion:	154	Resp:	71868
Ion Ratio	Lower	Upper	
154	100		
153	109.9	90.1	135.1
152	51.4	44.3	66.5

Manual Integrations
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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



#54

Dibenzofuran

Concen: 4.27 ng

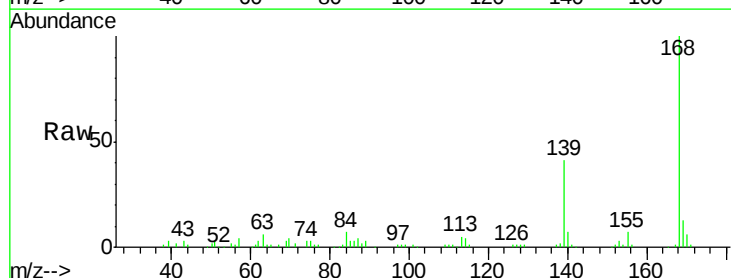
RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

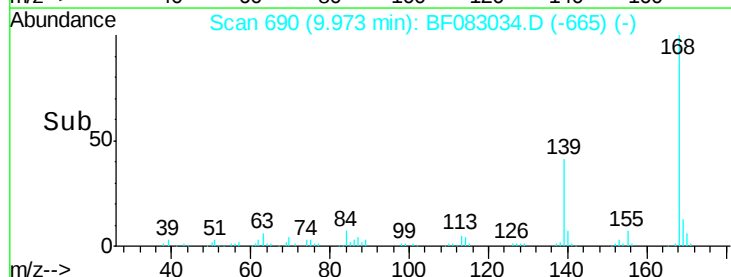
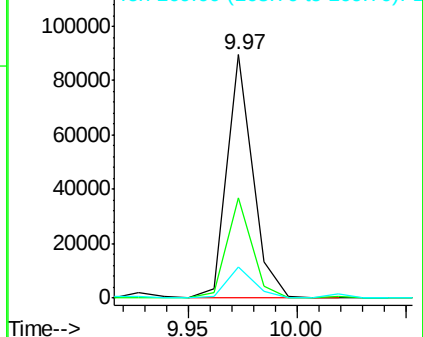
Lab File: BF083034.D

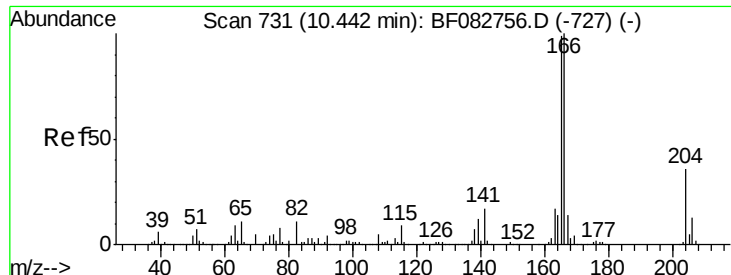
Acq: 19 Nov 2015 3:46

Tgt Ion:	168	Resp:	73273
Ion Ratio	Lower	Upper	
168	100		
139	41.3	37.8	56.6
169	13.0	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





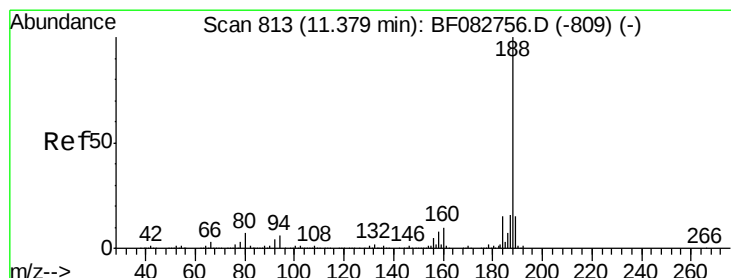
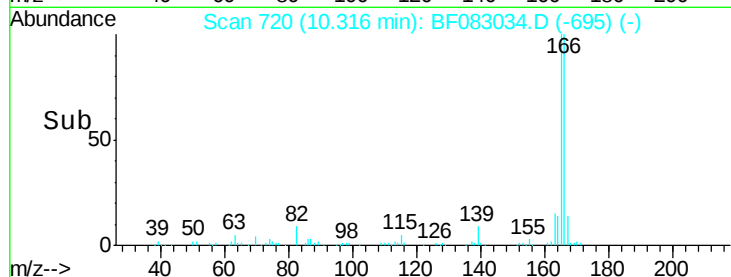
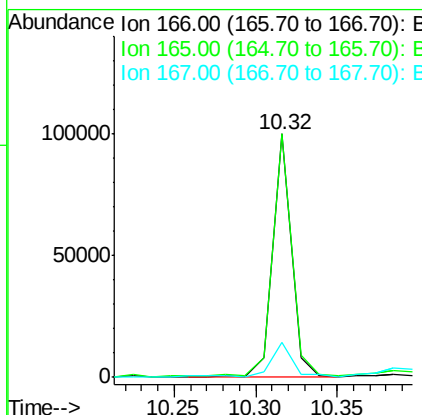
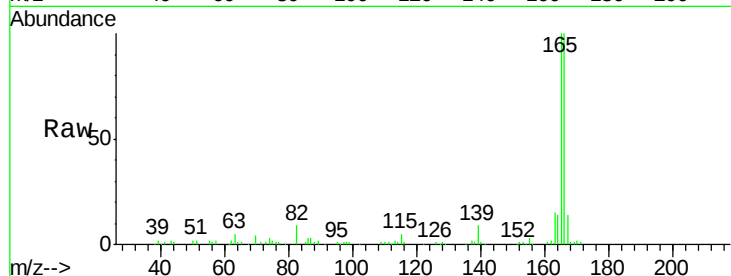
#57
Fluorene
 Concen: 5.83 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	81106		
165	100.1	80.2	120.4	
167	14.4	11.2	16.8	

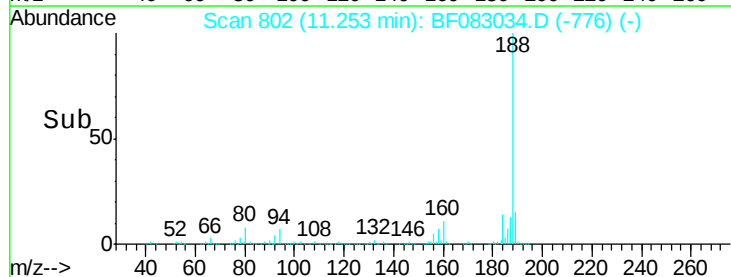
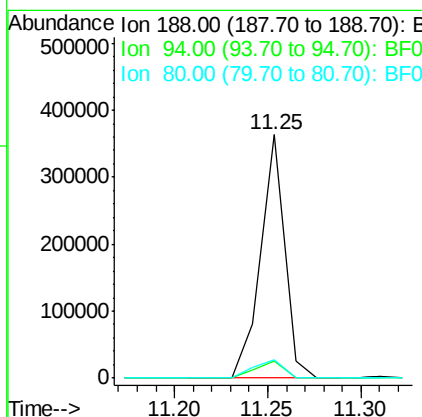
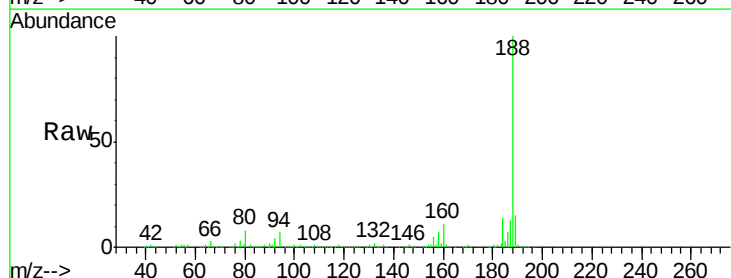
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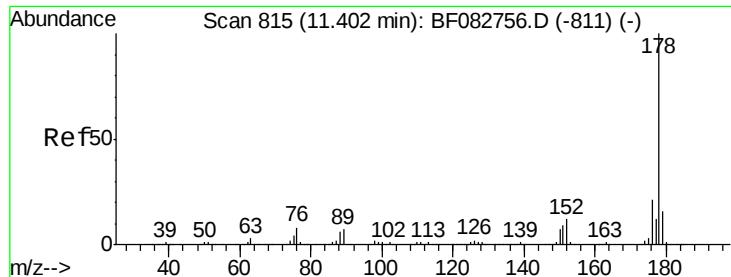
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	322204		
94	7.2	6.1	9.1	
80	7.7	7.0	10.6	





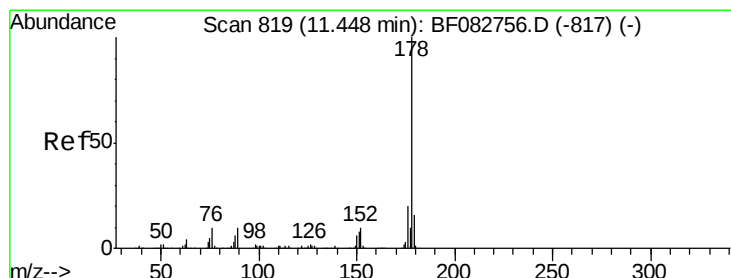
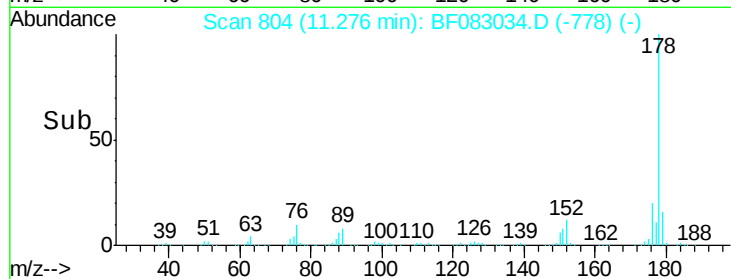
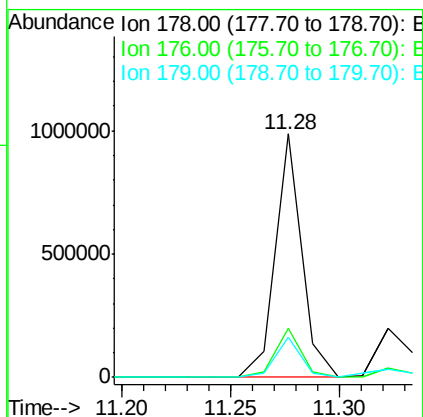
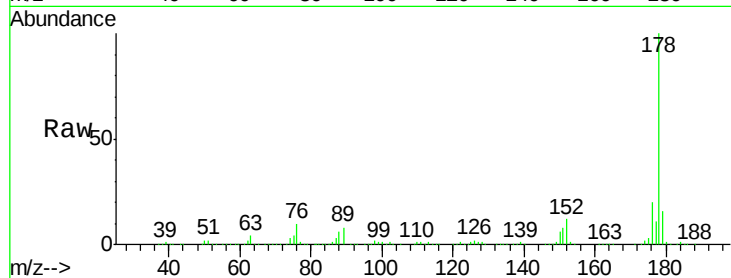
#70
 Phenanthrene
 Concen: 45.09 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampled :
 SB-7

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	17.0	25.4
179	16.3	13.4	20.0

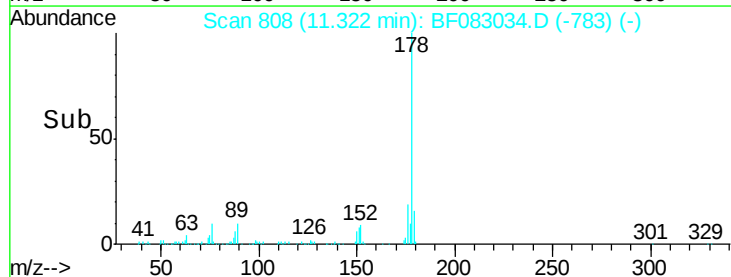
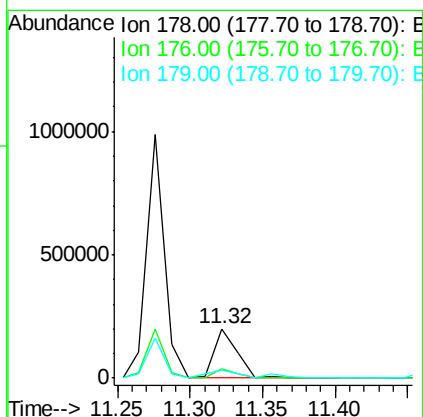
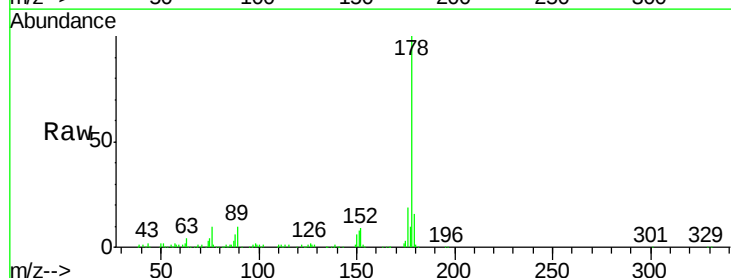
Manual Integrations
 APPROVED

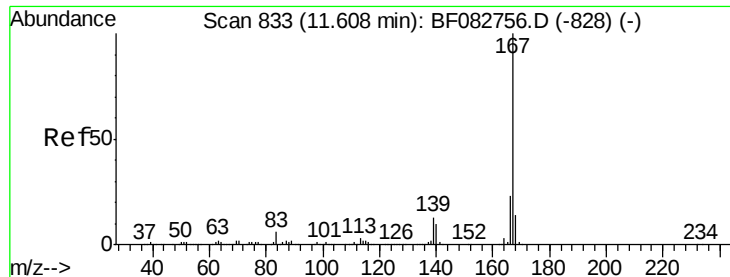
Mmdadoda
 11/19/2015 6:45:05 PM



#71
 Anthracene
 Concen: 11.15 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.5	24.7
179	16.3	13.2	19.8





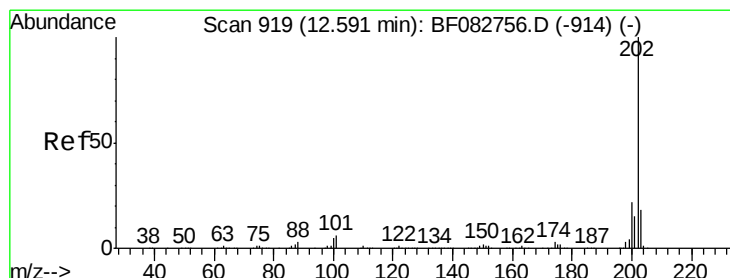
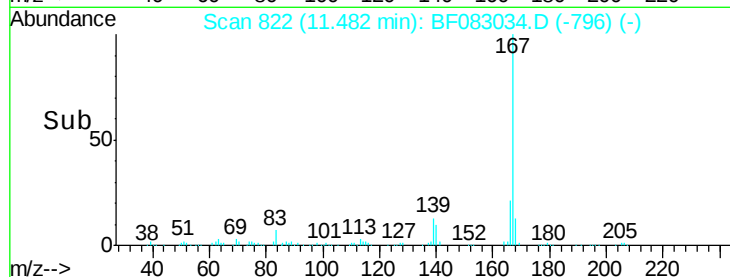
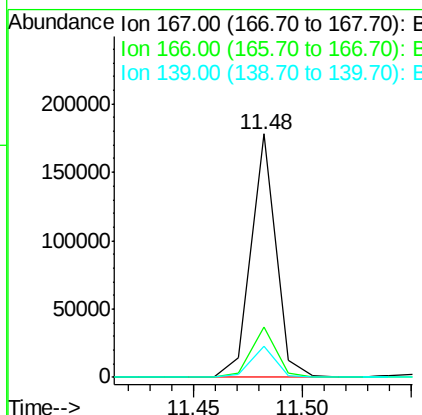
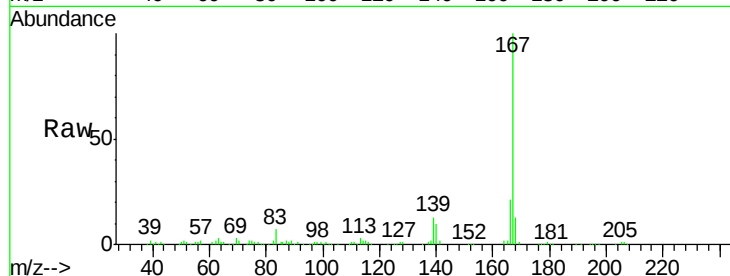
#72
 Carbazole
 Concen: 8.20 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.7	28.1
139	12.9	11.8	17.6

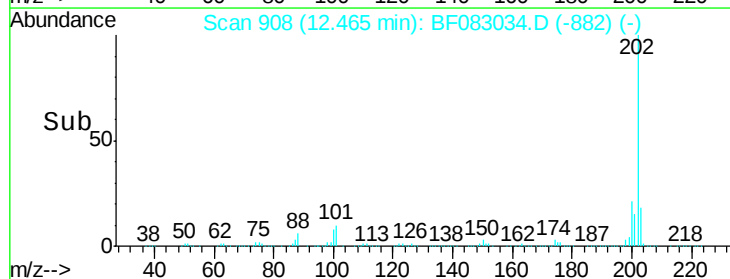
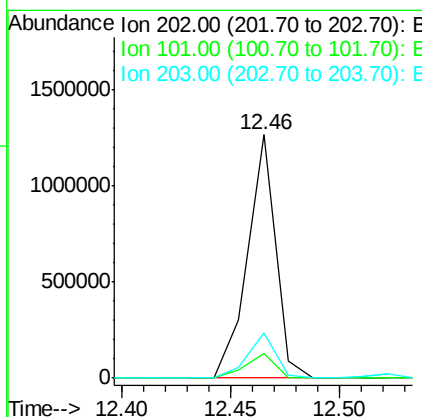
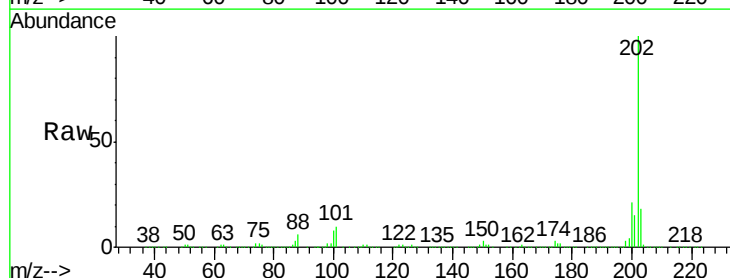
Manual Integrations
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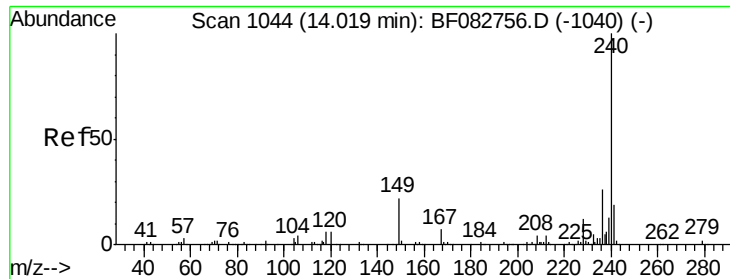
Mmdadoda
 11/19/2015 6:45:05 PM



#74
 Fluoranthene
 Concen: 56.90 ng
 RT: 12.46 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BF083034.D
 Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.5
203	18.3	0.0	38.5





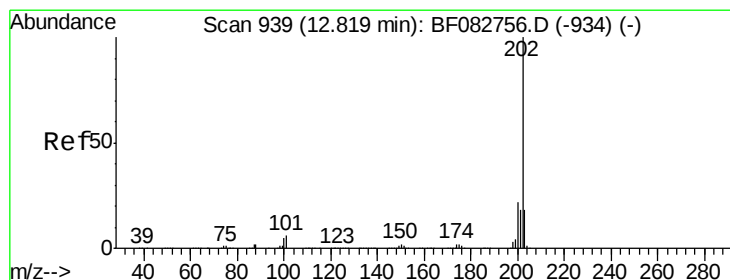
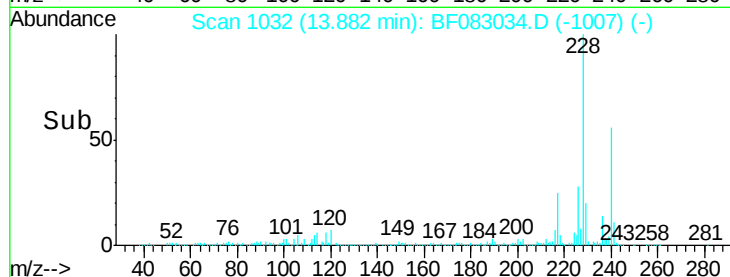
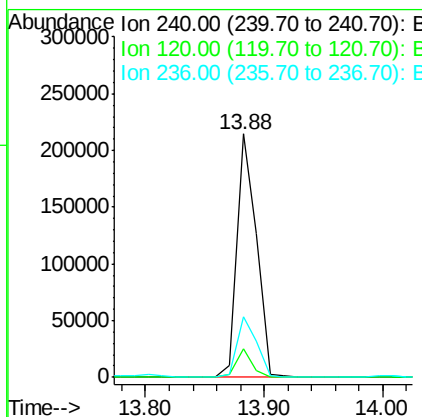
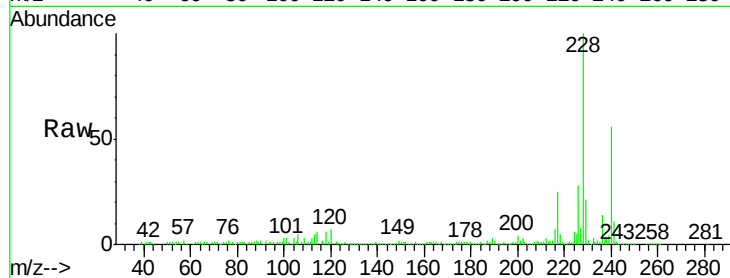
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Instrument :
BNA_F
ClientSampleId :
SB-7

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.9	16.3
236	24.9	21.6	32.4

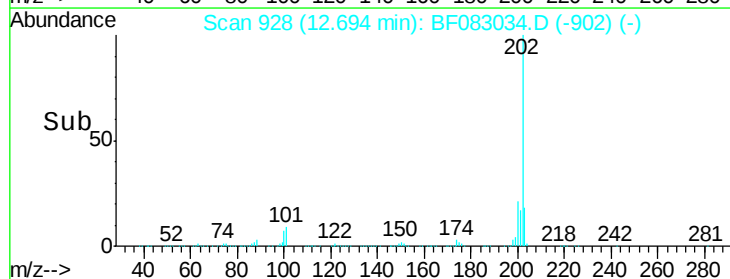
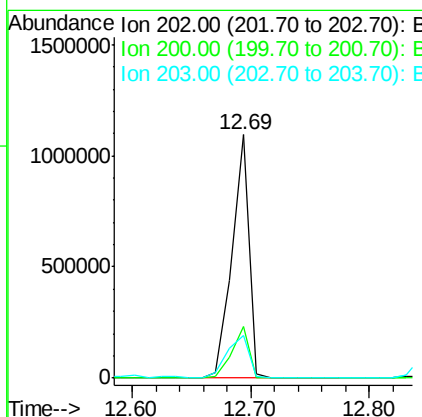
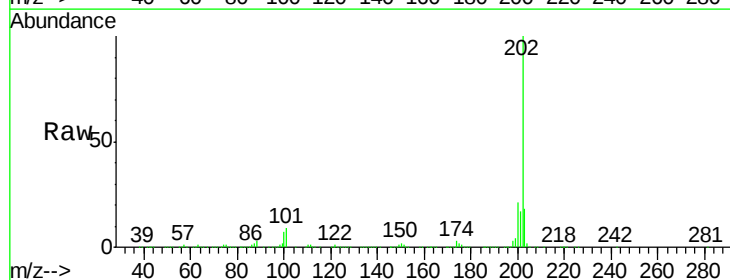
Manual Integrations
APPROVED

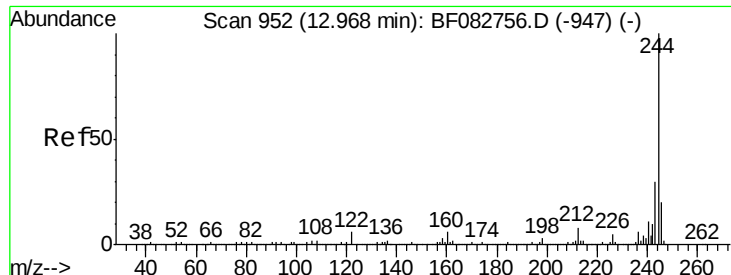
Mmdadoda
11/19/2015 6:45:05 PM



#77
Pyrene
Concen: 64.03 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.00 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.7	28.1
203	17.8	14.8	22.2





#78

Terphenyl-d14

Concen: 75.64 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Instrument :

BNA_F

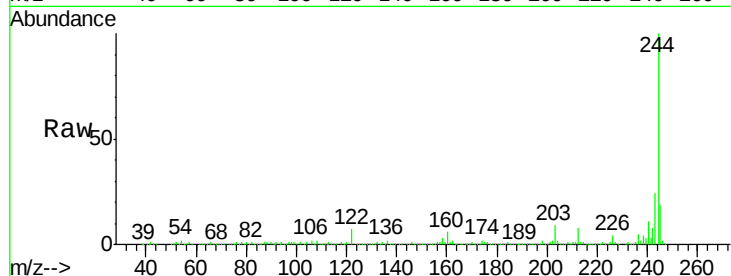
ClientSampleId :

SB-7

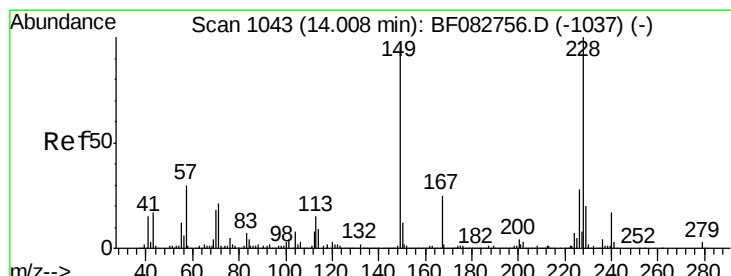
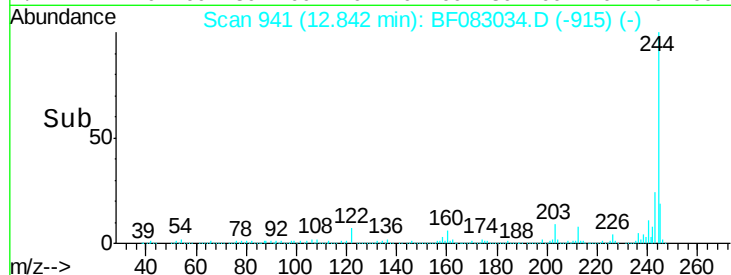
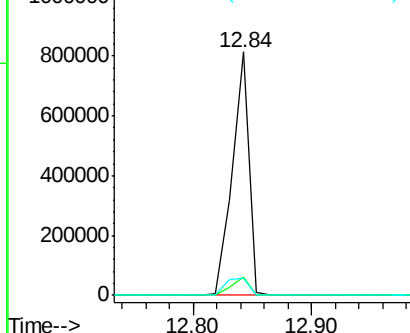
Tgt Ion:	244	Resp:	788228
Ion Ratio	Lower	Upper	
244	100		
212	7.6	7.6	11.4#
122	7.0	11.3	16.9#

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 42.20 ng

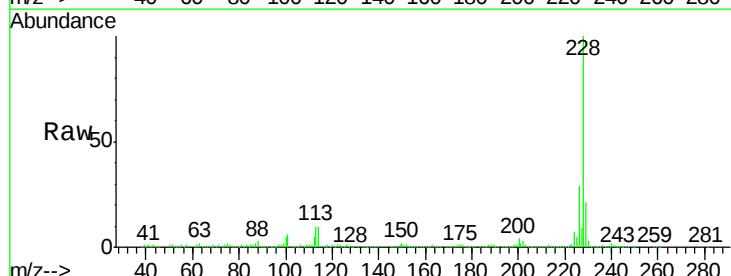
RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

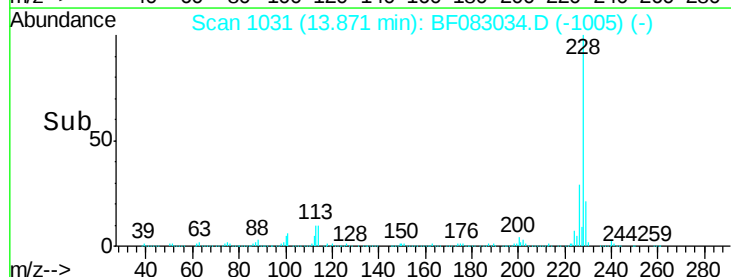
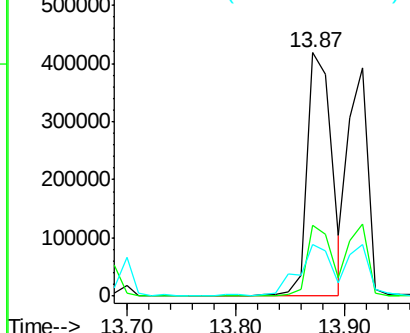
Lab File: BF083034.D

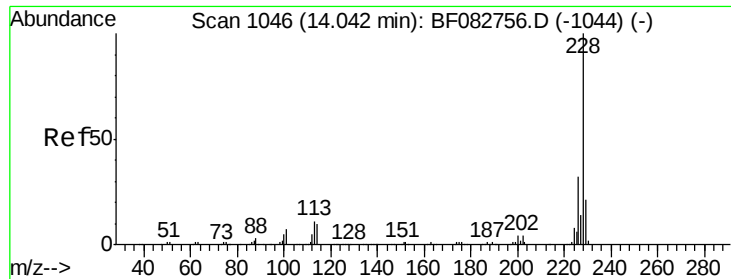
Acq: 19 Nov 2015 3:46

Tgt Ion:	228	Resp:	652284
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	21.3	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 34.74 ng m

RT: 13.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Instrument :

BNA_F

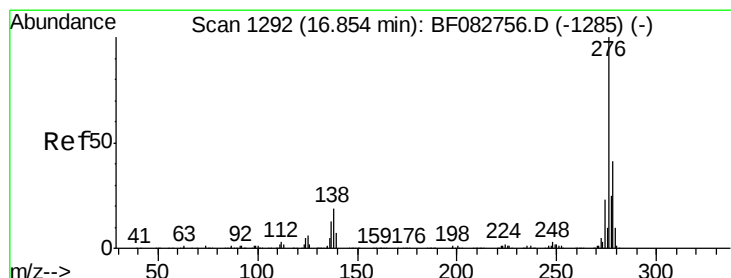
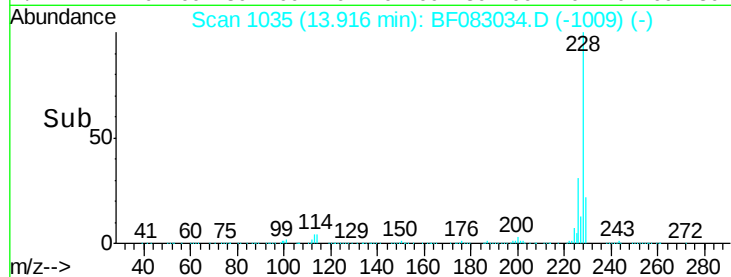
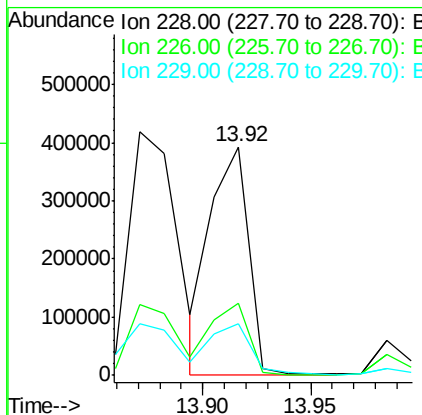
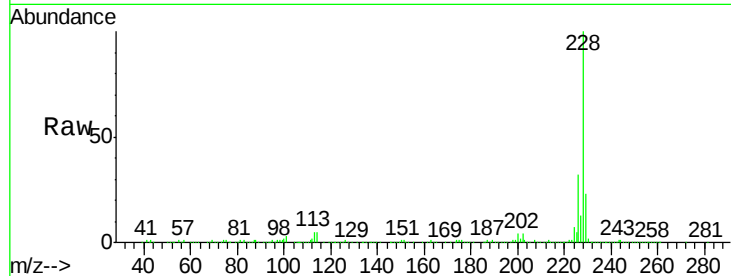
ClientSampled :

SB-7

Tgt Ion:	228	Resp:	491827
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.5	38.3
229	22.7	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.12 ng

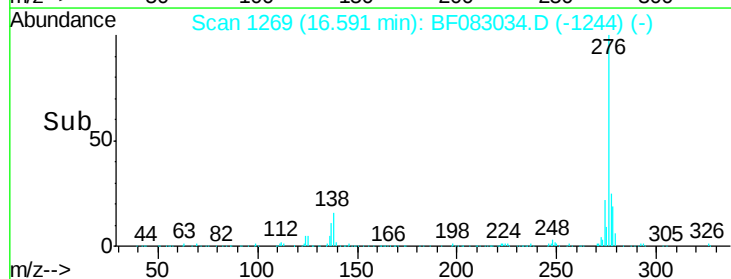
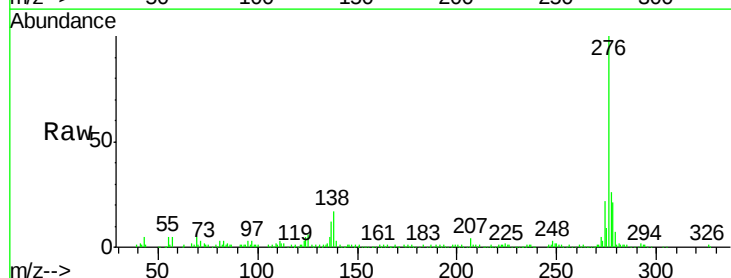
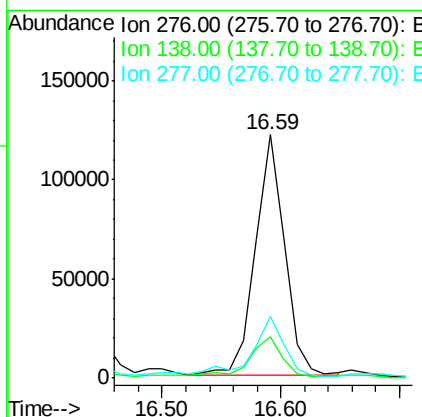
RT: 16.59 min Scan# 1269

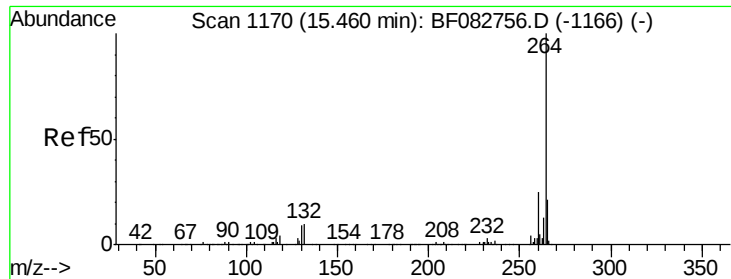
Delta R.T. -0.01 min

Lab File: BF083034.D

Acq: 19 Nov 2015 3:46

Tgt Ion:	276	Resp:	208708
Ion Ratio	Lower	Upper	
276	100		
138	19.4	15.3	22.9
277	28.6	20.2	30.4





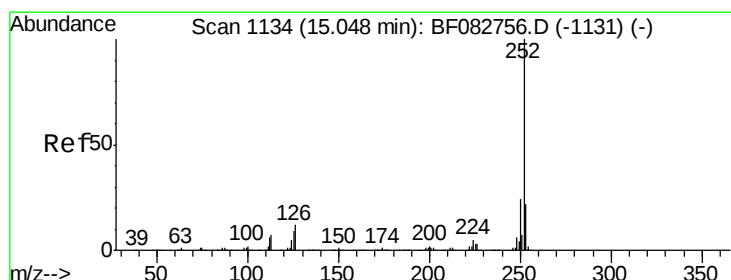
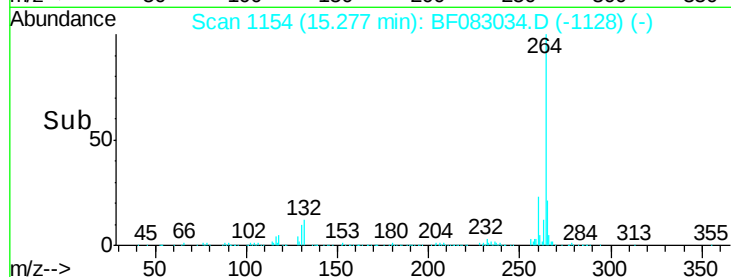
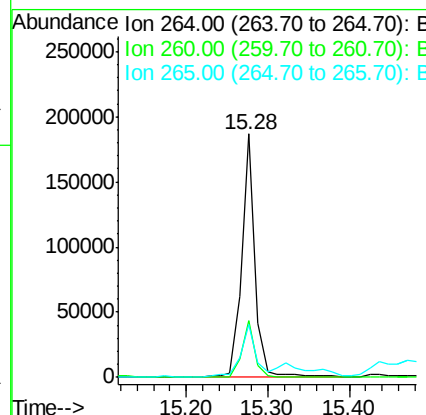
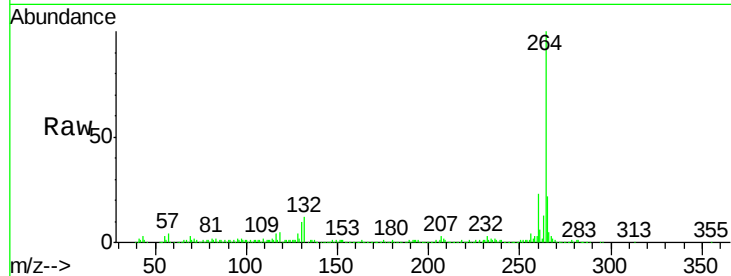
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Instrument :
BNA_F
ClientSampleId :
SB-7

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	210396		
260	23.4	19.8	29.6	
265	21.8	17.4	26.0	

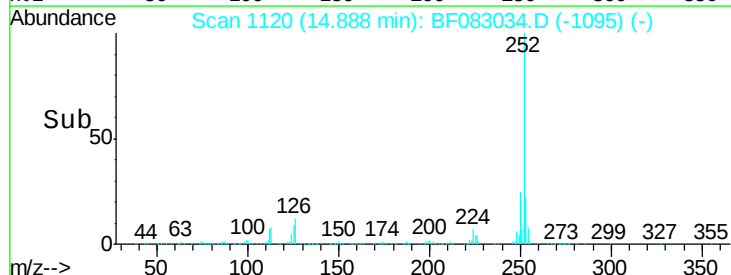
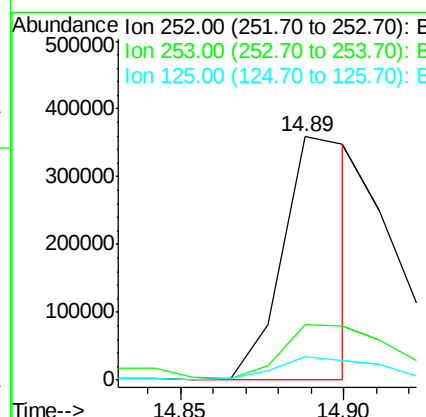
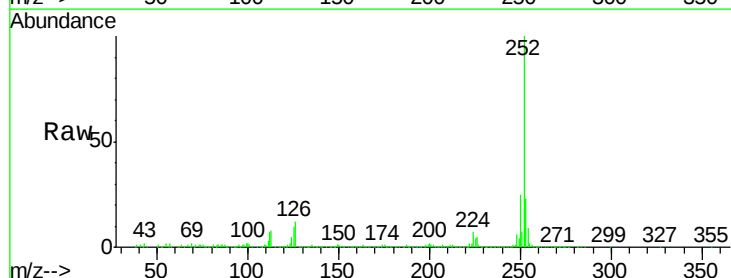
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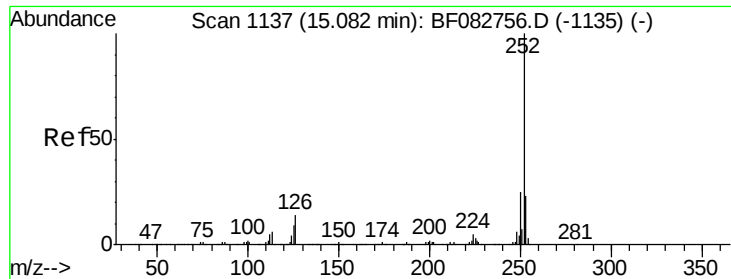
Mmdadoda
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#87
Benzo(b)fluoranthene
Concen: 40.25 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	543634		
253	22.9	17.8	26.8	
125	9.6	5.4	8.2#	





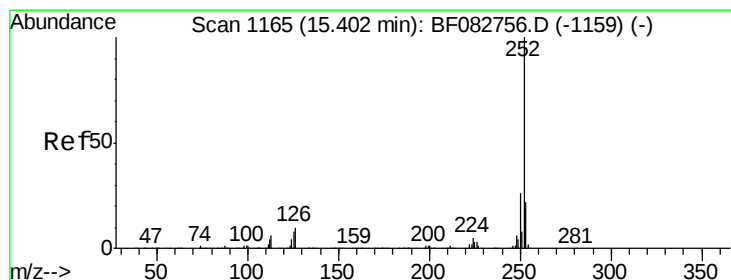
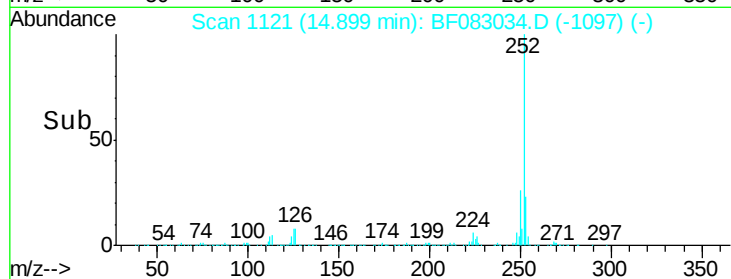
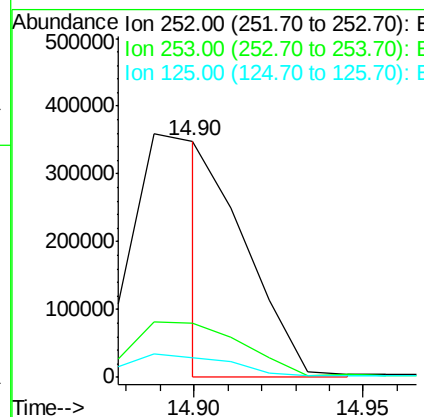
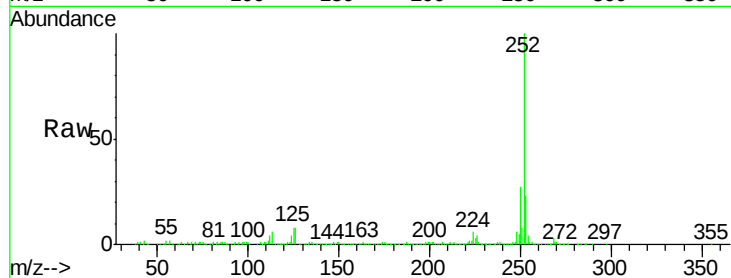
#88
Benzo(k)fluoranthene
Concen: 21.45 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Instrument :
BNA_F
ClientSampleId :
SB-7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	8.5	3.5	5.3

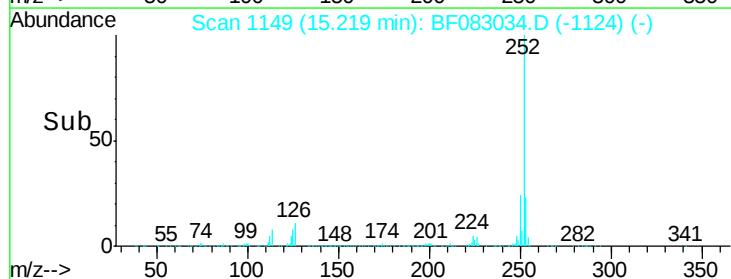
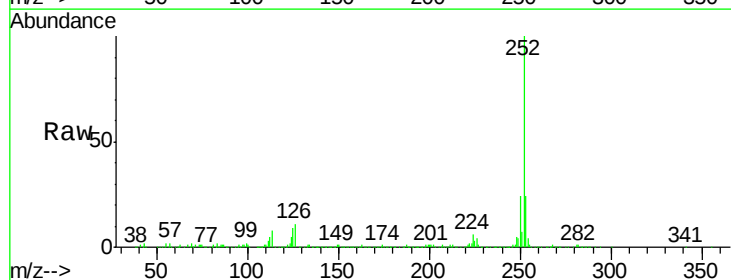
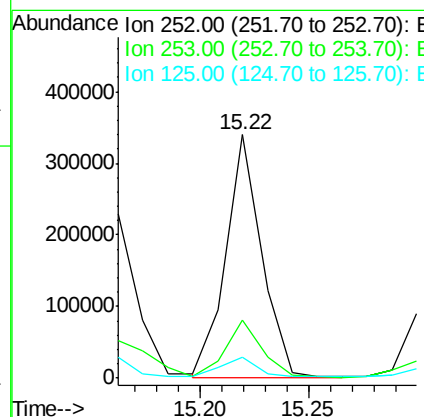
Manual Integrations
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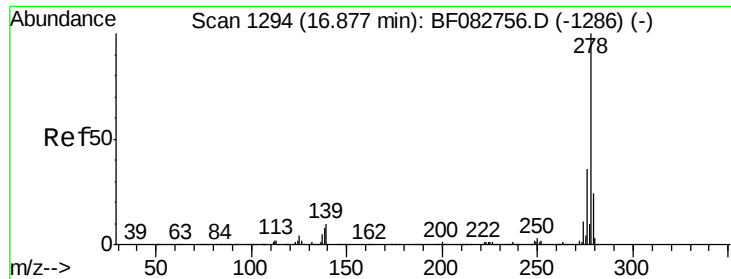
Mmdadoda
11/19/2015 6:45:05 PM



#89
Benzo(a)pyrene
Concen: 33.07 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	8.8	7.1	10.7





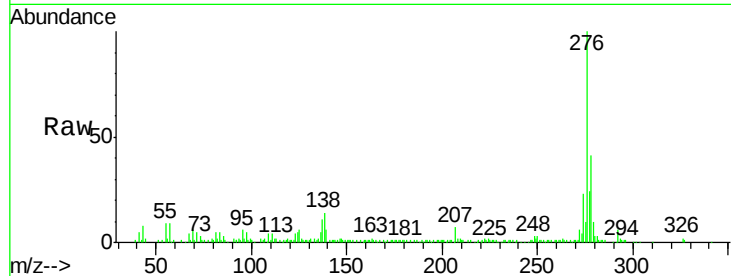
#90
Dibenzo(a,h)anthracene
Concen: 5.74 ng
RT: 16.60 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Instrument :
BNA_F
ClientSampleId :
SB-7

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	9.9	14.9
279	24.9	19.6	29.4

Manual Integrations
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Mmdadoda
11/19/2015 6:45:05 PM

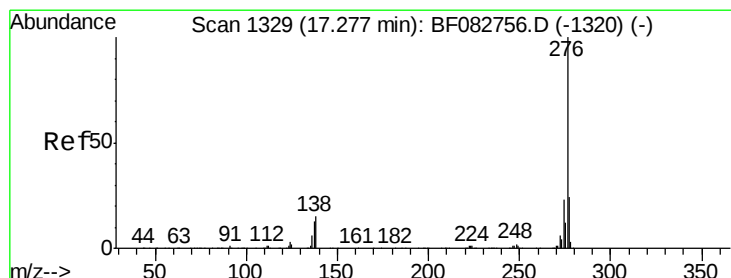
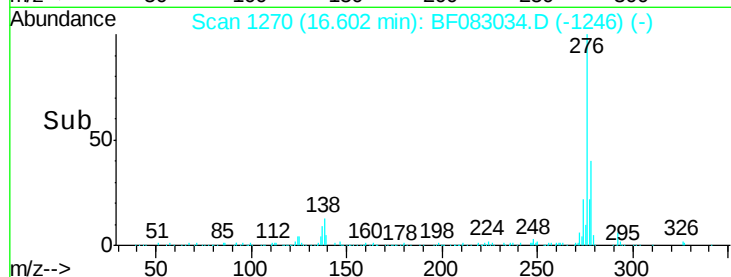
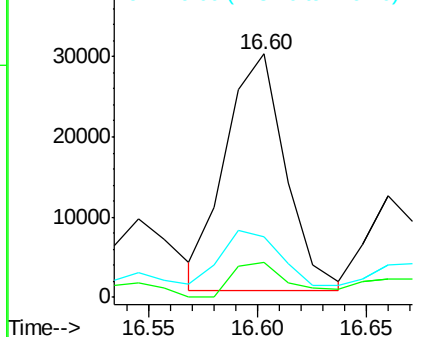


Abundance

Ion 278.00 (277.70 to 278.70): E

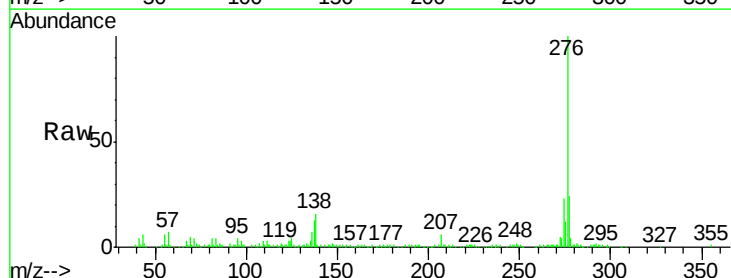
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 18.67 ng
RT: 16.99 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF083034.D
Acq: 19 Nov 2015 3:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	15.6	13.1	19.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

