

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085766.D
 Acq On : 25 Mar 2016 17:23
 Operator : UM/SJ
 Sample : H1855-02
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Manual Integrations
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Sohil
 3/28/2016 7:52:59 PM

Quant Time: Mar 28 13:21:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	112296	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	424930	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	174872	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	265630	20.00	ng	0.00
75) Chrysene-d12	13.98	240	234815	20.00	ng	0.00
86) Perylene-d12	15.41	264	222279	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	54394	8.07	ng	0.01
7) Phenol-d6	6.46	99	77974	9.10	ng	0.00
23) Nitrobenzene-d5	7.38	82	35746	4.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	10612	6.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	61886	5.91	ng	-0.01
78) Terphenyl-d14	12.93	244	44636	3.91	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.73	152	57586	3.26	ng	99
49) Dimethylphthalate	9.58	163	118748	8.95	ng	100
51) Acenaphthene	9.90	154	28870	2.67	ng	97
57) Fluorene	10.41	166	34676	2.98	ng	100
70) Phenanthrene	11.37	178	608151	44.59	ng	99
71) Anthracene	11.42	178	154119	10.76	ng	98
72) Carbazole	11.58	167	61347	5.10	ng	98
74) Fluoranthene	12.56	202	1233115	85.06	ng	94
77) Pyrene	12.79	202	1173535	60.80	ng	99
80) Benzo(a)anthracene	13.97	228	614052	45.86	ng	95
82) Chrysene	14.01	228	554481m	41.11	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	42574	4.40	ng	98
85) Indeno(1,2,3-cd)pyrene	16.79	276	258221	24.79	ng	93
87) Benzo(b)fluoranthene	15.01	252	812841m	58.05	ng	
88) Benzo(k)fluoranthene	15.02	252	182608m	14.47	ng	
89) Benzo(a)pyrene	15.35	252	495147	39.82	ng	97
90) Dibenzo(a,h)anthracene	16.79	278	65618m	5.68	ng	
91) Benzo(g,h,i)perylene	17.21	276	241433	20.64	ng	95

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

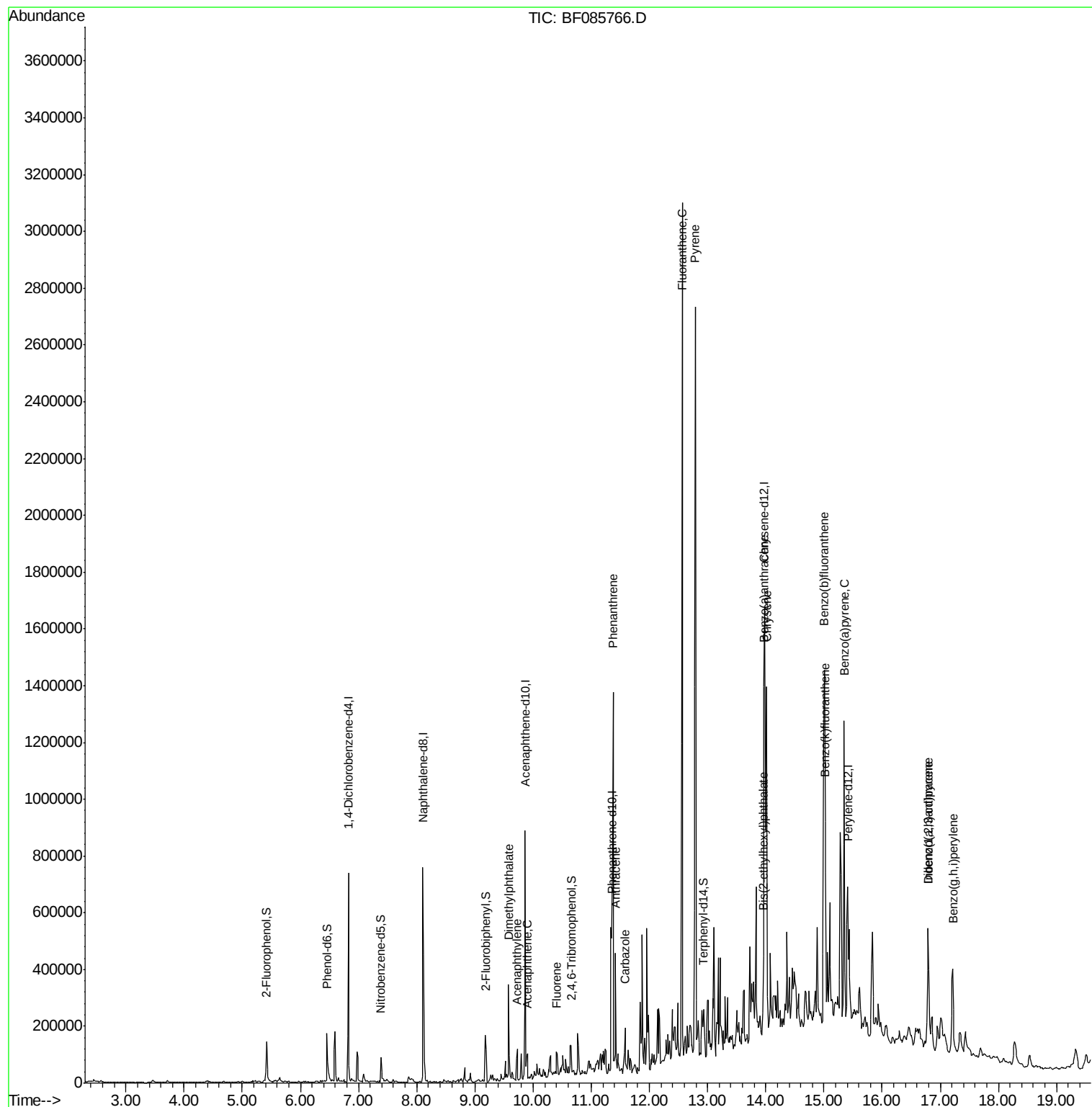
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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#1

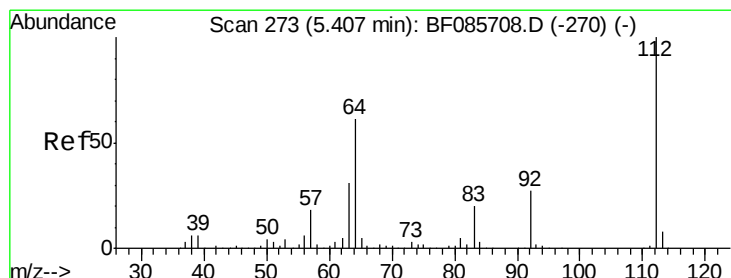
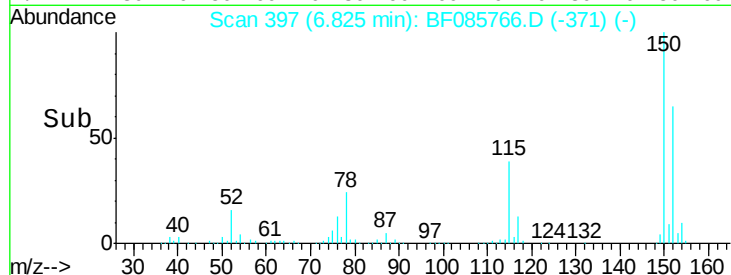
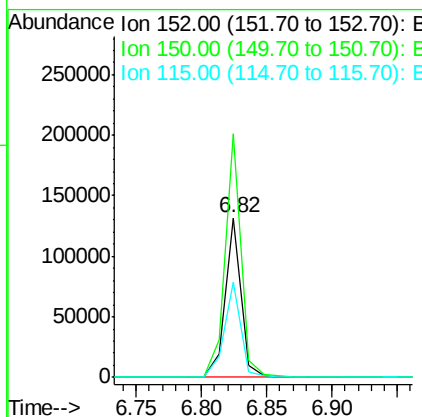
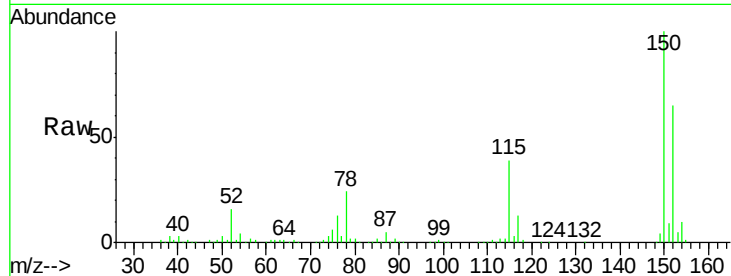
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.2	186.2
115	59.7	47.0	70.6

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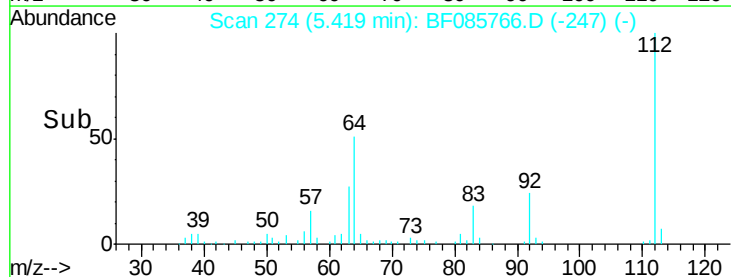
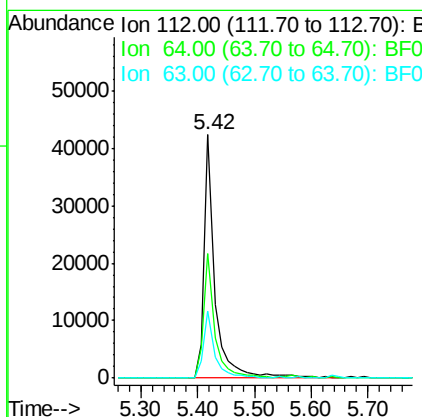
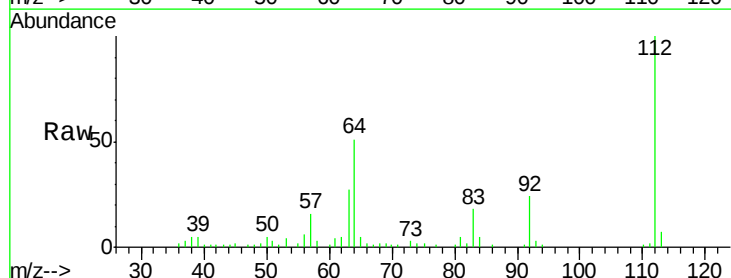
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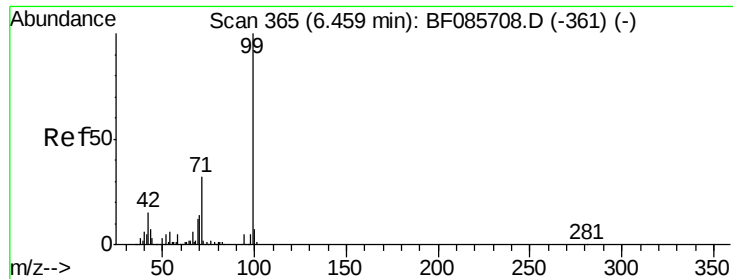


#5

2-Fluorophenol
Concen: 8.07 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.9	59.9
63	27.4	20.2	30.2





#7

Phenol-d6

Concen: 9.10 ng

RT: 6.46 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

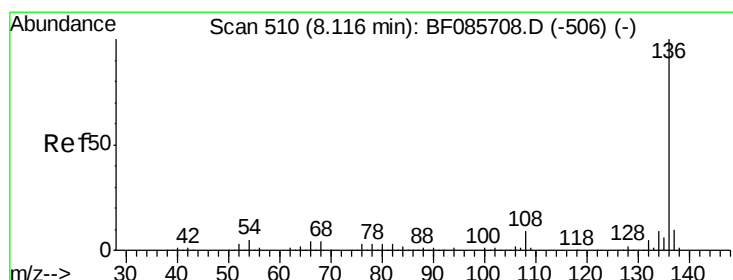
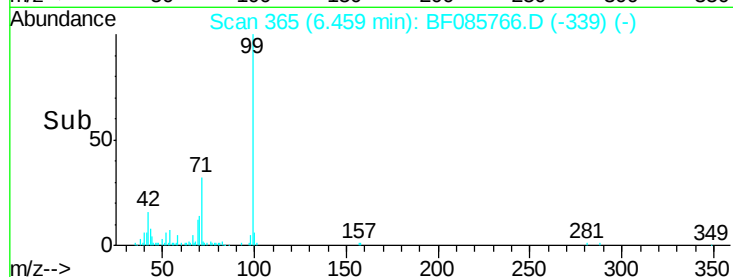
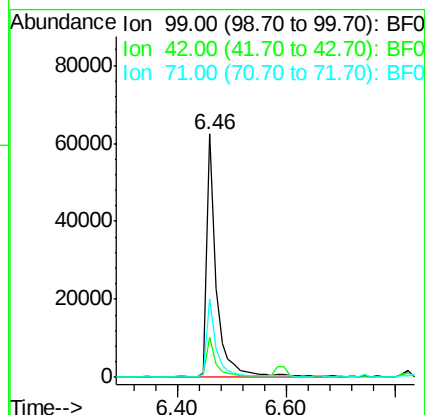
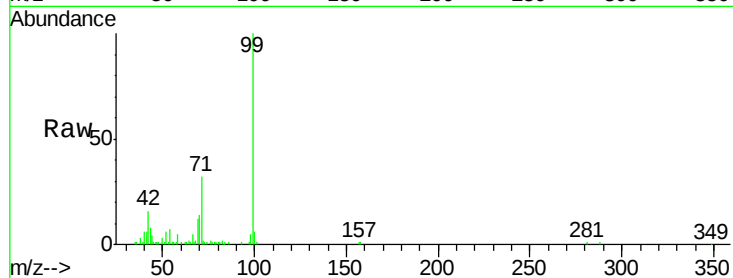
ClientSampleId :

SB-1

Tot Ion:	99	Resp:	77974
Ion	Ratio	Lower	Upper
99	100		
42	16.2	11.1	16.7
71	32.3	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

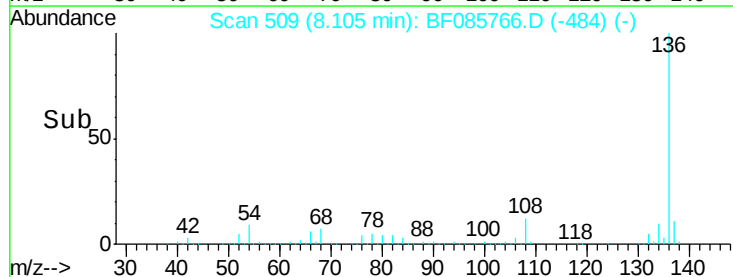
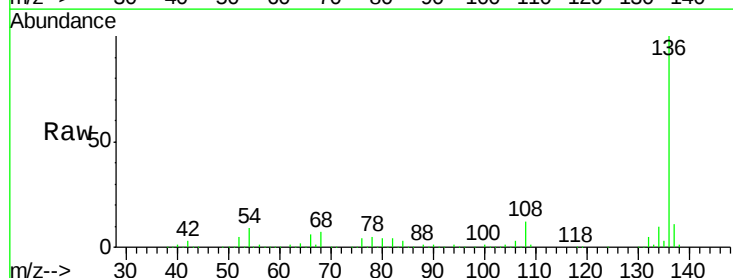
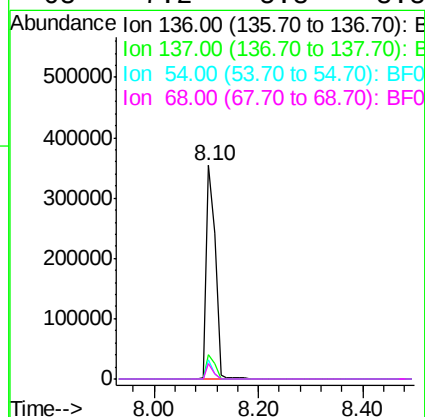
RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Tgt Ion:	136	Resp:	424930
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.9	7.4	11.0
68	7.2	5.8	8.8





#23

Nitrobenzene-d5

Concen: 4.74 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

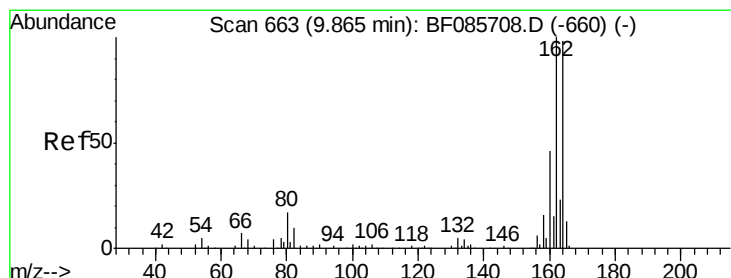
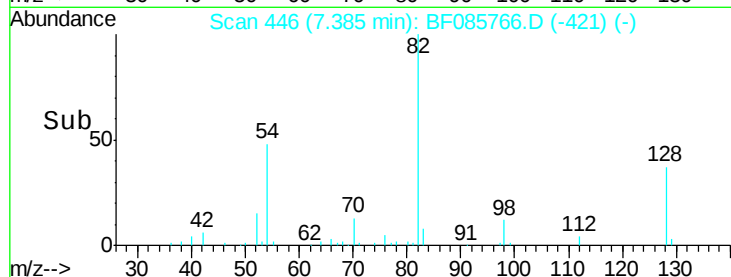
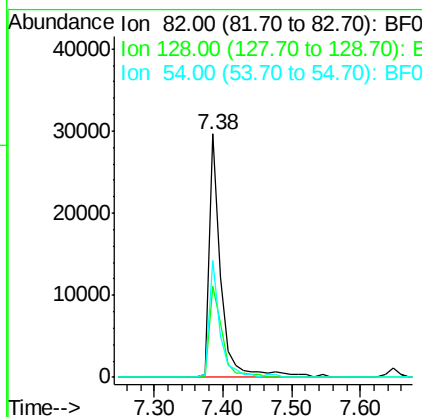
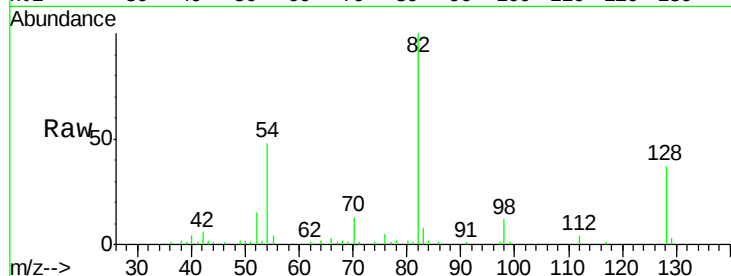
ClientSampled :

SB-1

Tot Ion:	82	Resp:	35746
Ion Ratio	Lower	Upper	
82	100		
128	37.4	41.8	62.8#
54	47.9	33.4	50.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

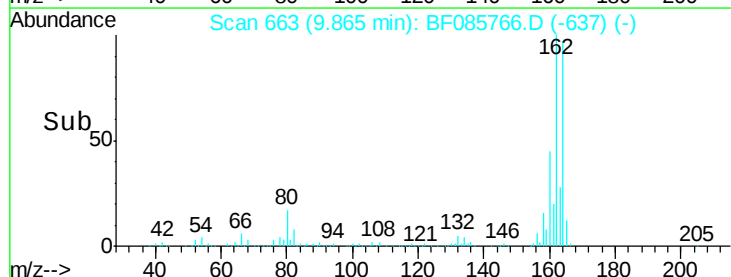
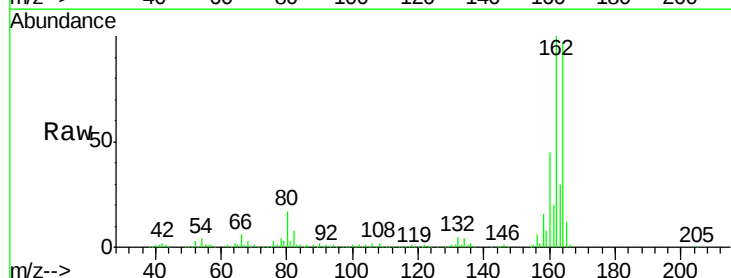
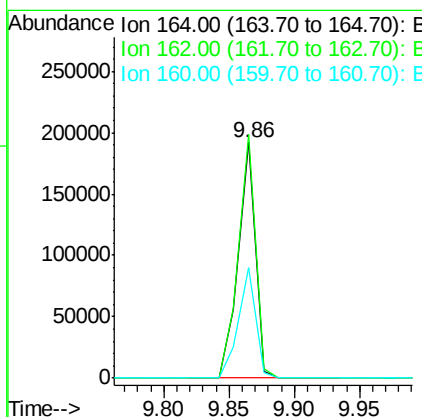
RT: 9.86 min Scan# 663

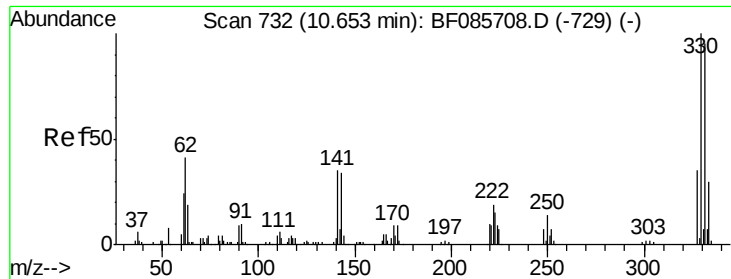
Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Tgt Ion:	164	Resp:	174872
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.1	123.1
160	46.9	37.4	56.2





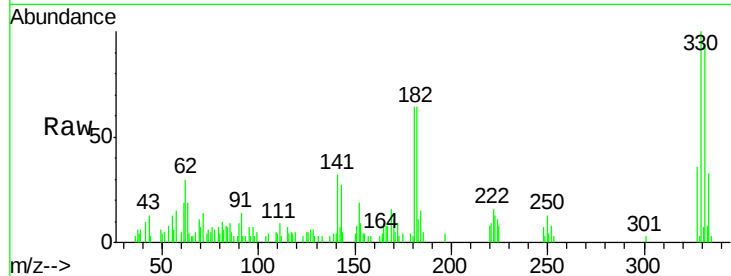
#41
 2,4,6-Tribromophenol
 Concen: 6.39 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Instrument :
 BNA_F
 ClientSampled :
 SB-1

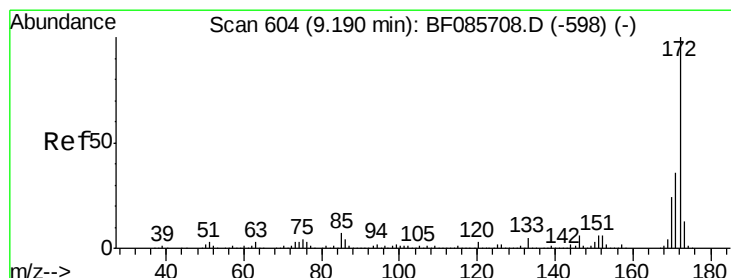
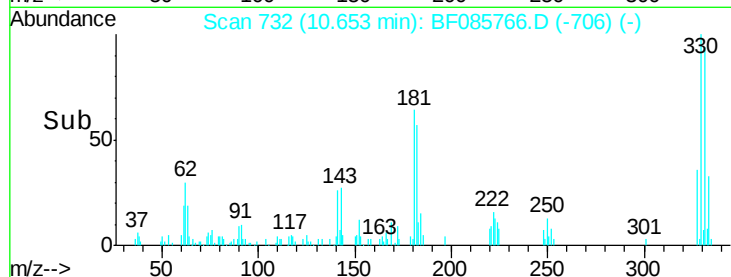
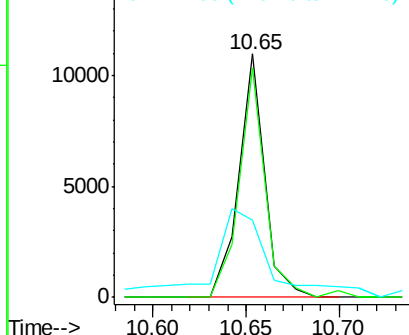
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.2	117.2
141	76.3	31.5	47.3

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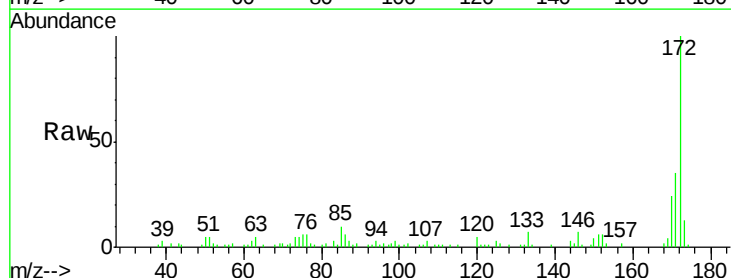


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

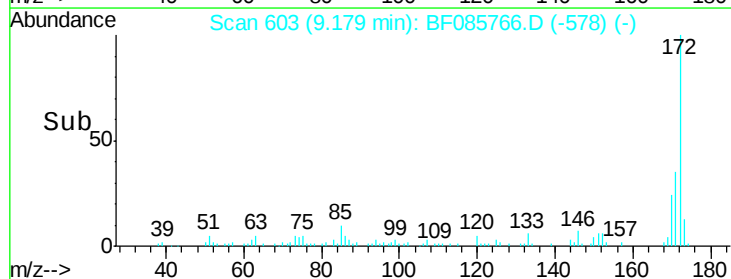
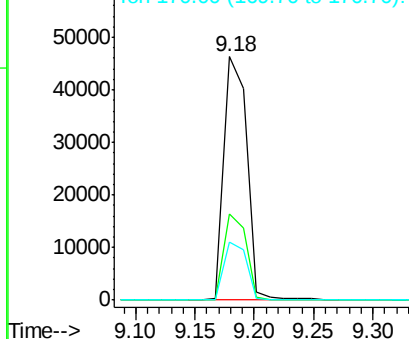


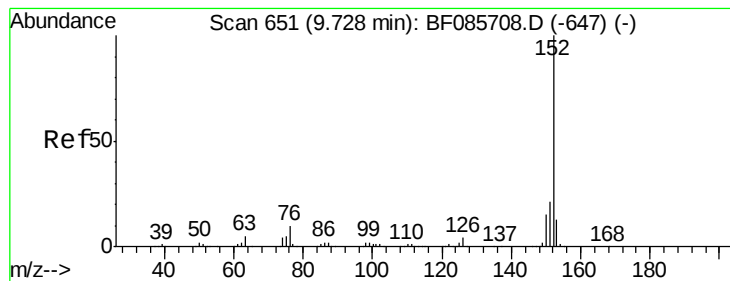
#44
 2-Fluorobiphenyl
 Concen: 5.91 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.2
170	24.0	19.8	29.6



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





#48

Acenaphthylene

Concen: 3.26 ng

RT: 9.73 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

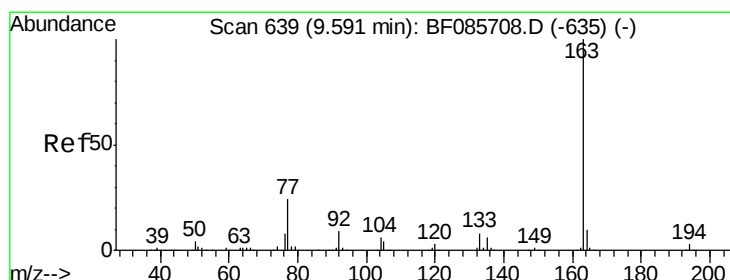
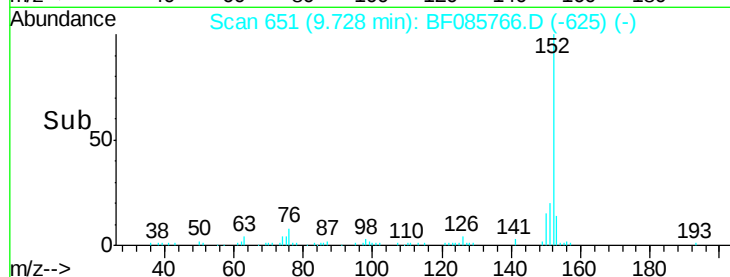
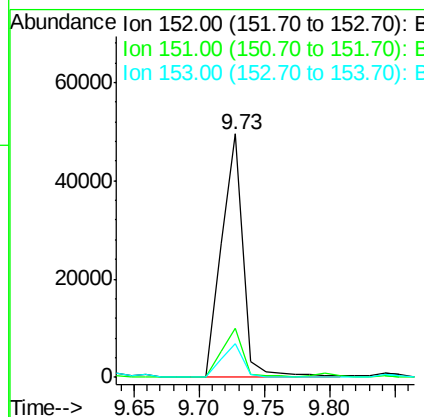
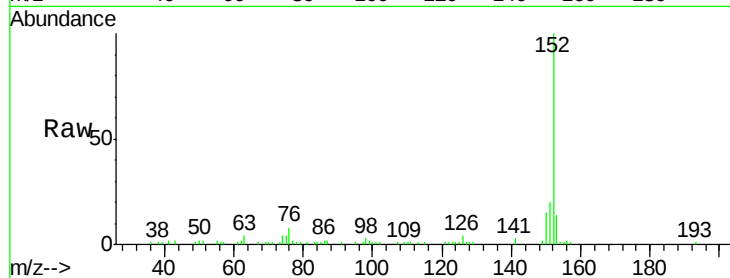
ClientSampleId :

SB-1

Tot Ion:	152	Resp:	57586
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	13.6	10.9	16.3

Manual Integrations
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#49

Dimethylphthalate

Concen: 8.95 ng

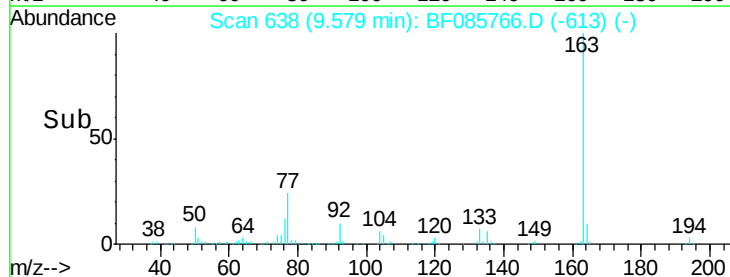
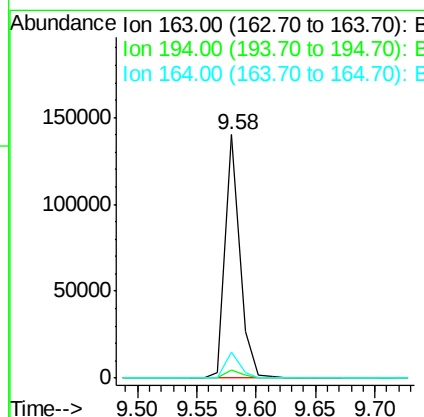
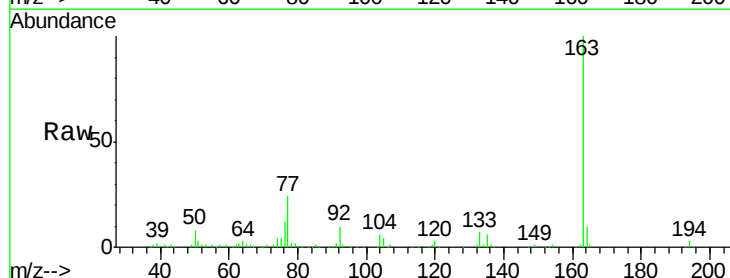
RT: 9.58 min Scan# 638

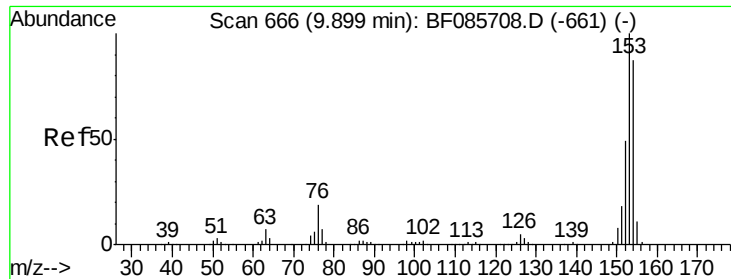
Delta R.T. -0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Tgt Ion:	163	Resp:	118748
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.9	4.3
164	10.4	8.3	12.5





#51

Acenaphthene

Concen: 2.67 ng

RT: 9.90 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

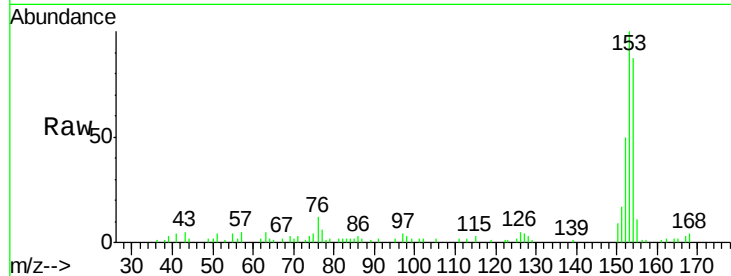
ClientSampled :

SB-1

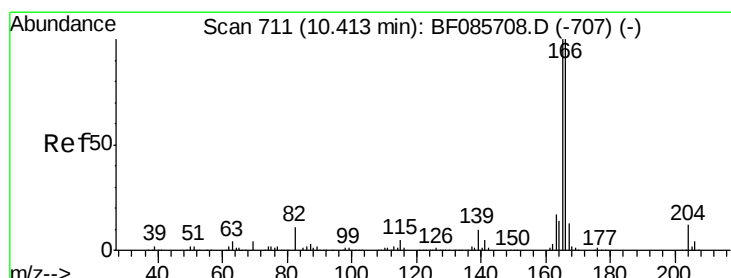
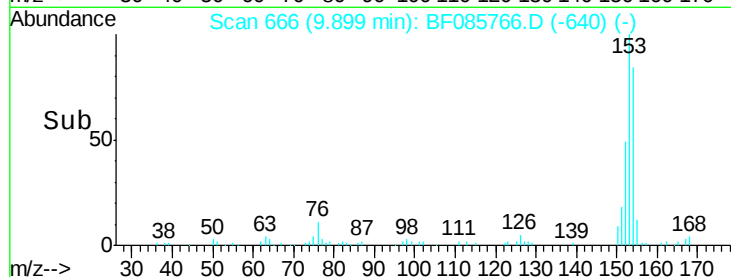
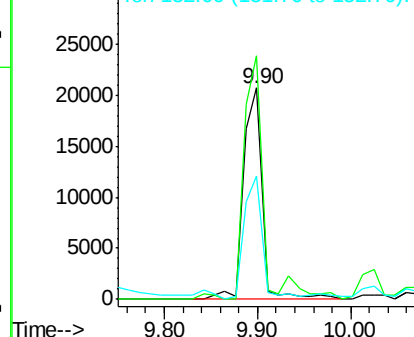
Tot Ion:	154	Resp:	28870
Ion Ratio	Lower	Upper	
154	100		
153	115.4	90.1	135.1
152	58.2	44.2	66.2

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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: 2.98 ng

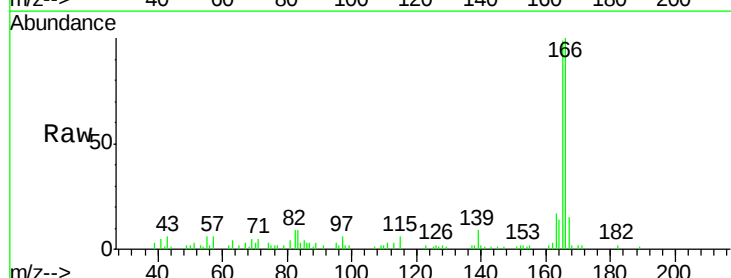
RT: 10.41 min Scan# 711

Delta R.T. 0.00 min

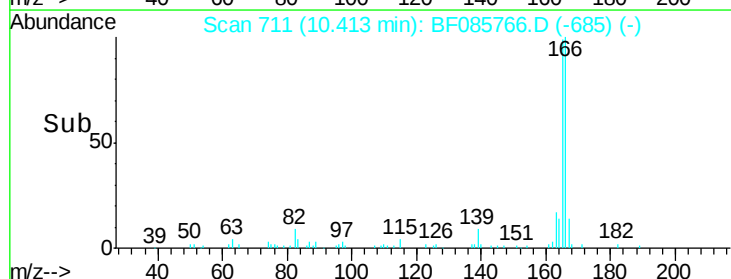
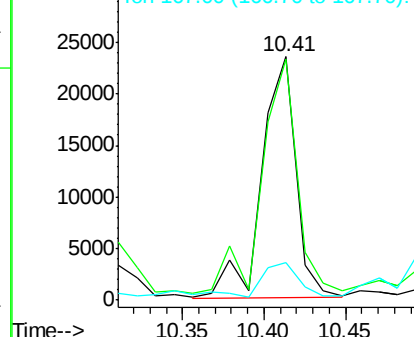
Lab File: BF085766.D

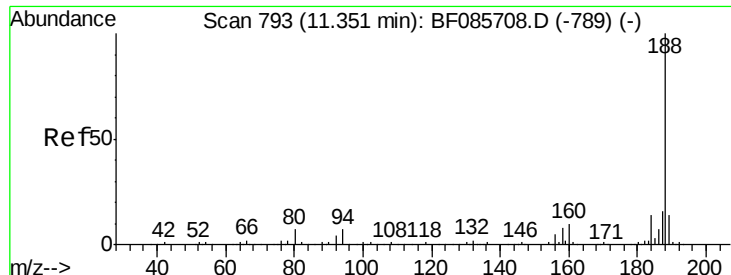
Acq: 25 Mar 2016 17:23

Tgt Ion:	166	Resp:	34676
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.4	119.0
167	15.3	11.0	16.4



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





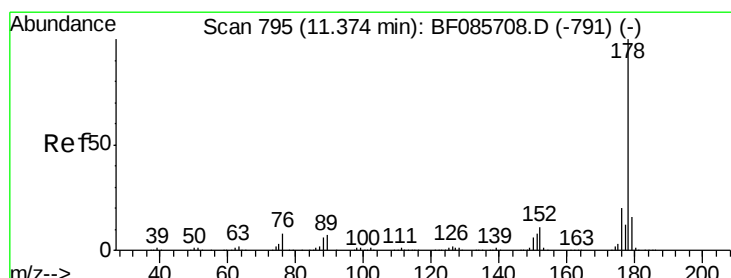
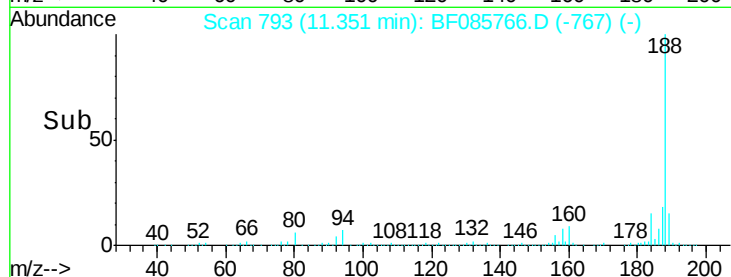
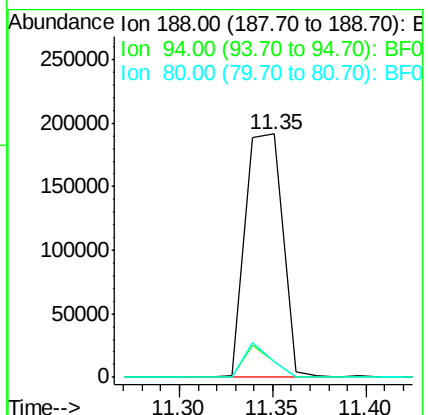
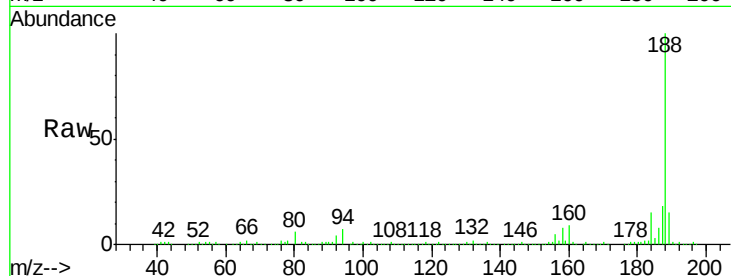
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	5.4	8.0
80	6.3	5.5	8.3

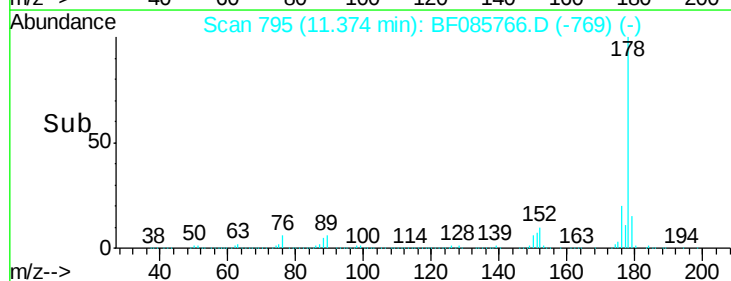
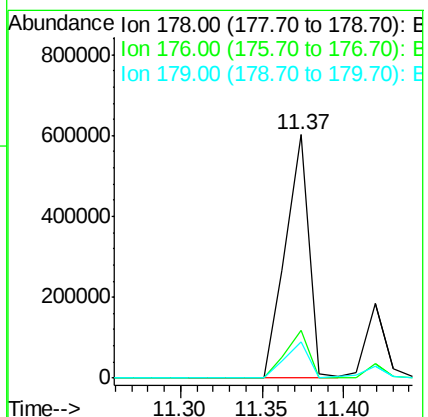
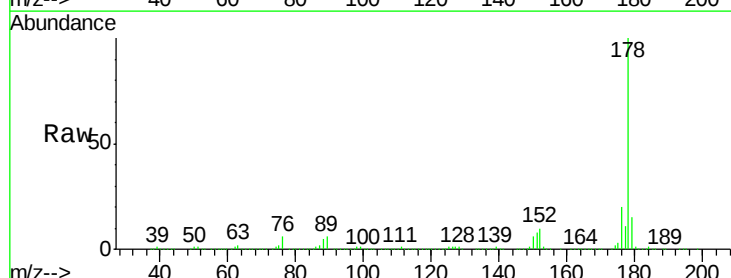
Manual Integrations
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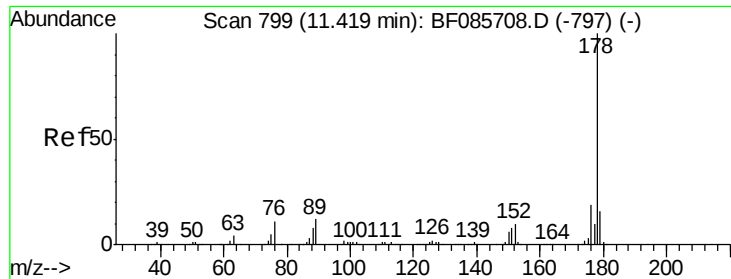
Sohil
3/28/2016 7:52:59 PM



#70
Phenanthrene
Concen: 44.59 ng
RT: 11.37 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.1	12.6	18.8





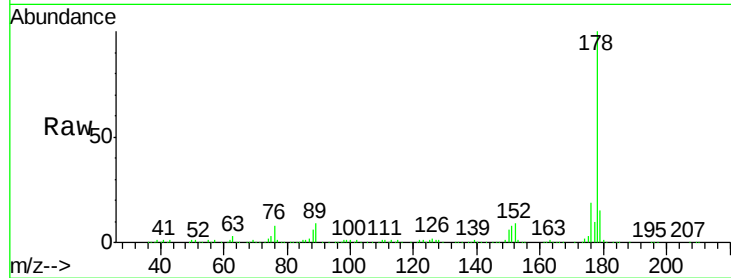
#71
 Anthracene
 Concen: 10.76 ng
 RT: 11.42 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

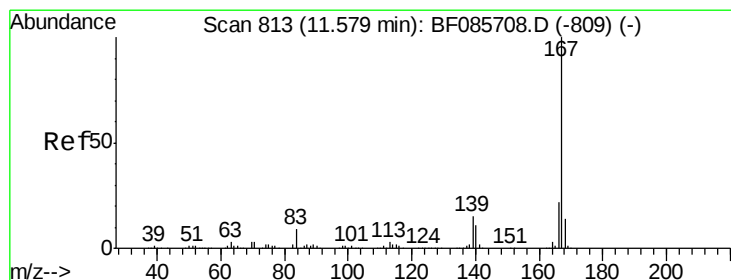
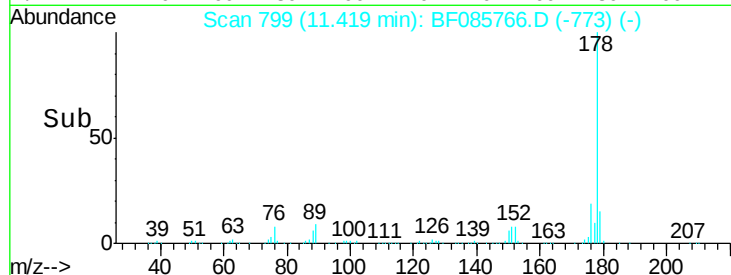
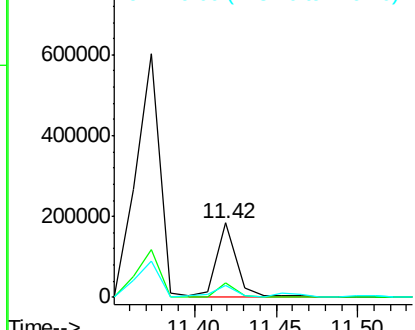
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.4	13.0	19.4

Manual Integrations
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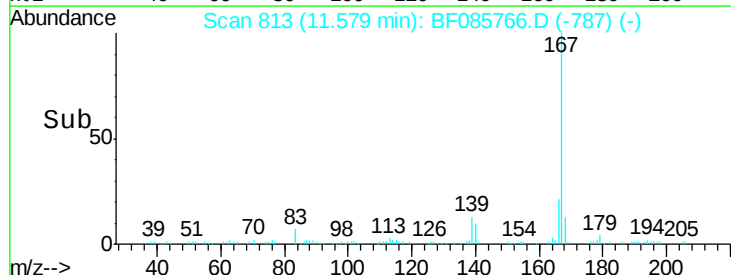
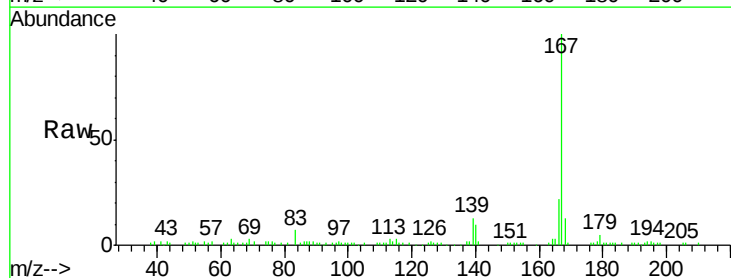
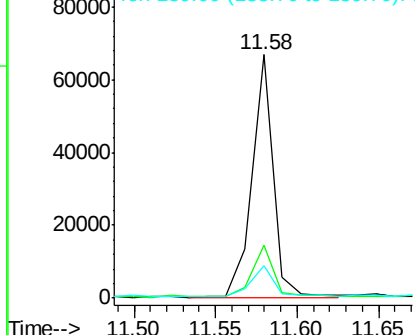
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

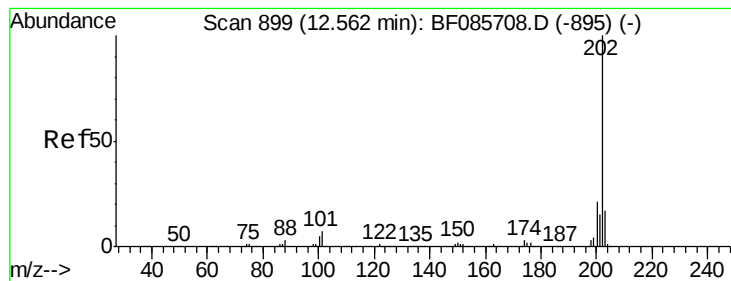


#72
 Carbazole
 Concen: 5.10 ng
 RT: 11.58 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF085766.D
 Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.8
139	13.5	11.6	17.4

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 85.06 ng

RT: 12.56 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

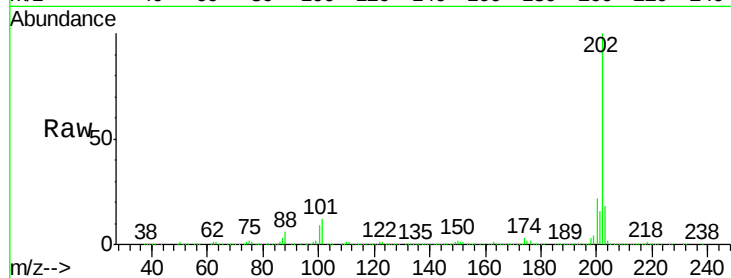
ClientSampleId :

SB-1

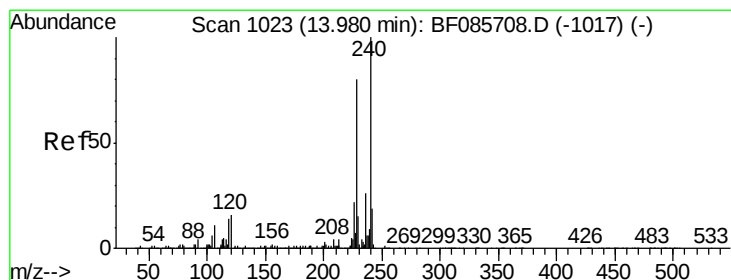
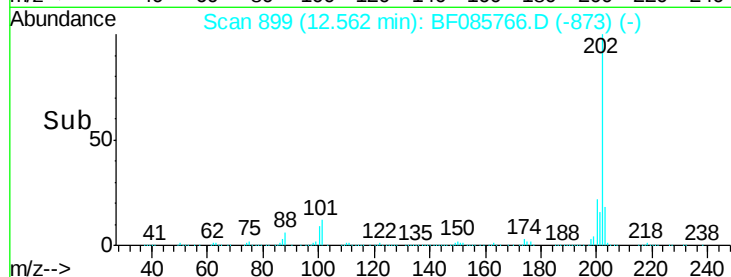
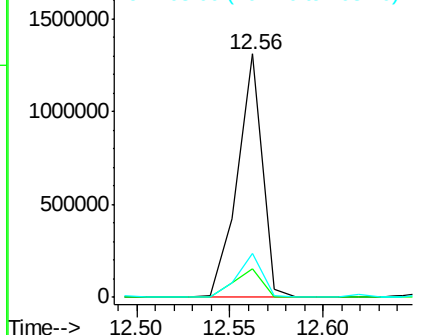
Tot Ion:	202	Resp:	1233115
Ion Ratio		Lower	Upper
202	100		
101	11.7	0.0	36.6
203	18.0	0.0	38.1

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3/28/2016 7:52:59 PM



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

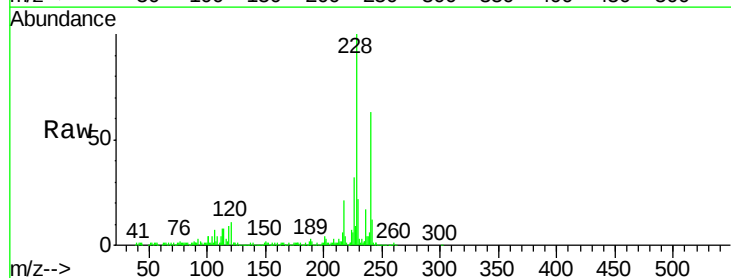
RT: 13.98 min Scan# 1023

Delta R.T. 0.00 min

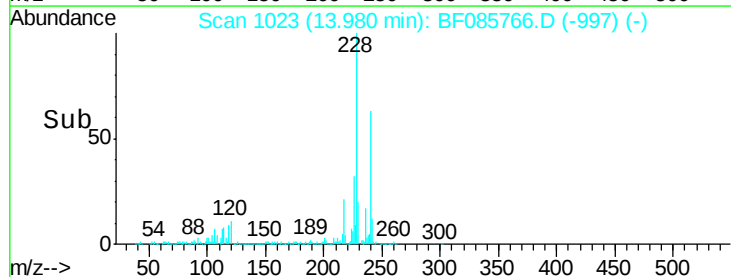
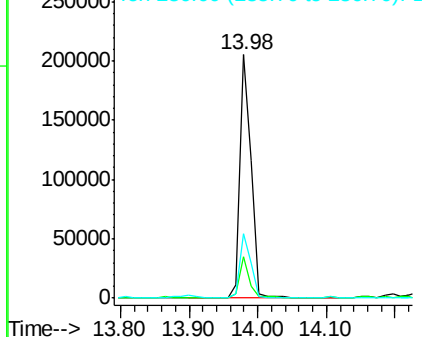
Lab File: BF085766.D

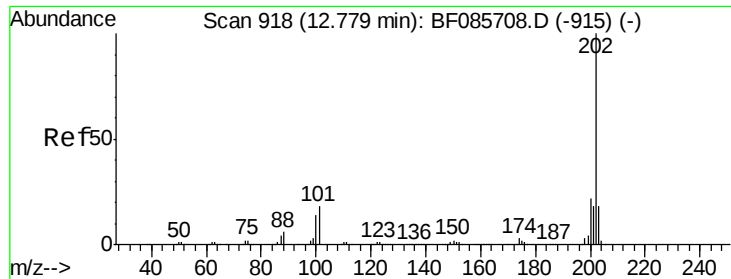
Acq: 25 Mar 2016 17:23

Tgt Ion:	240	Resp:	234815
Ion Ratio		Lower	Upper
240	100		
120	16.8	13.8	20.8
236	26.7	20.6	30.8



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: 60.80 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SB-1

Tot Ion:202 Resp: 1173535

Ion Ratio Lower Upper

202 100

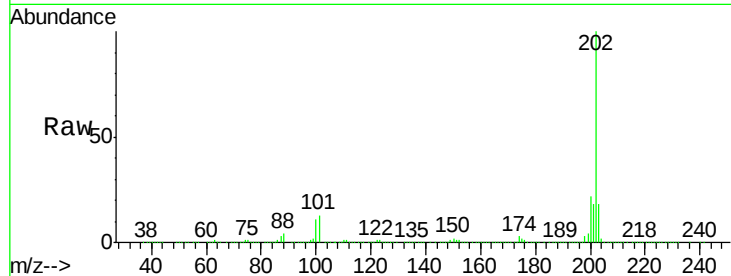
200 22.2 17.6 26.4

203 17.9 14.0 21.0

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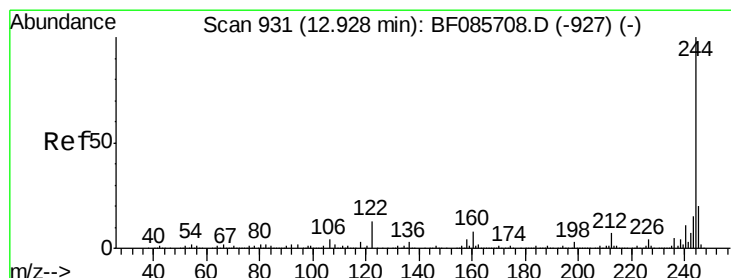
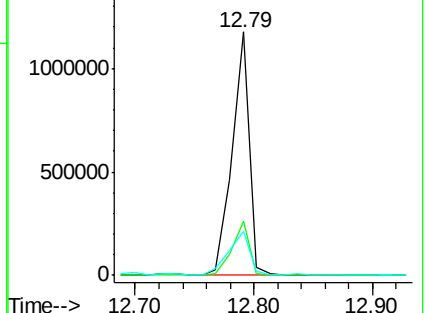
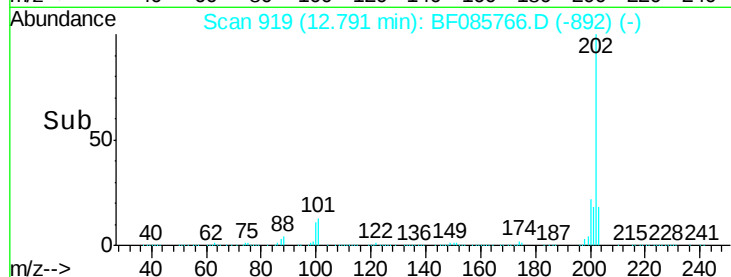
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 3.91 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085766.D

Acq: 25 Mar 2016 17:23

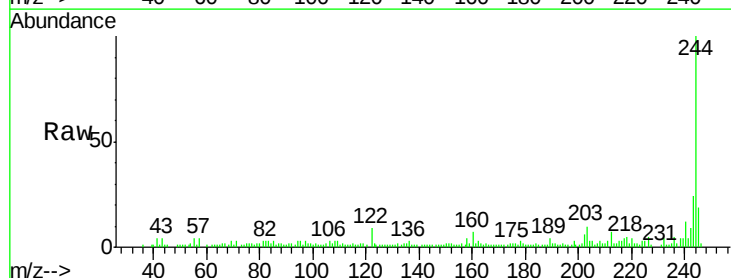
Tgt Ion:244 Resp: 44636

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

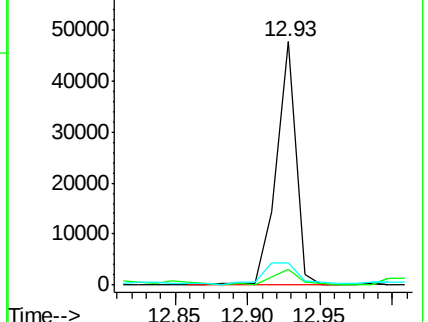
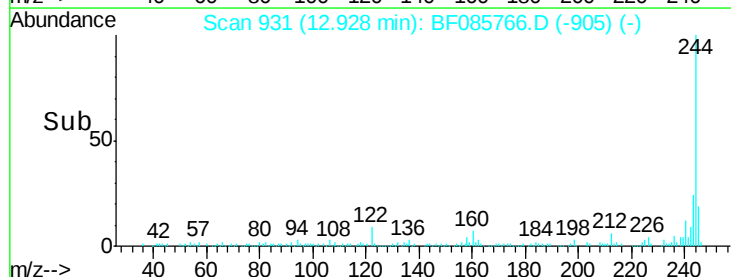
122 9.4 10.2 15.4#

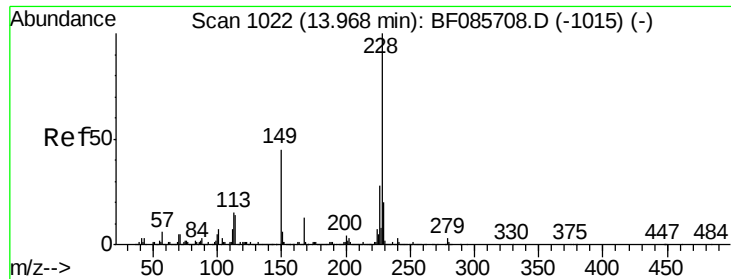


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





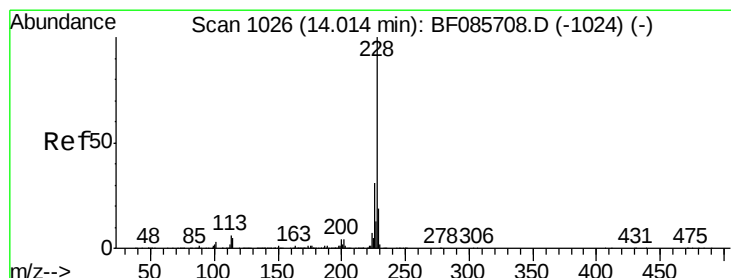
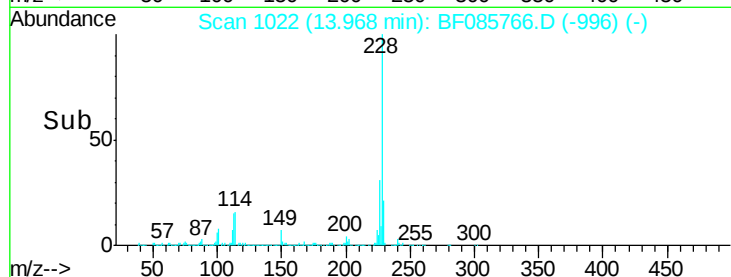
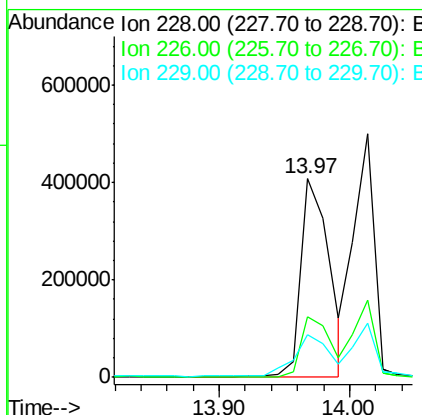
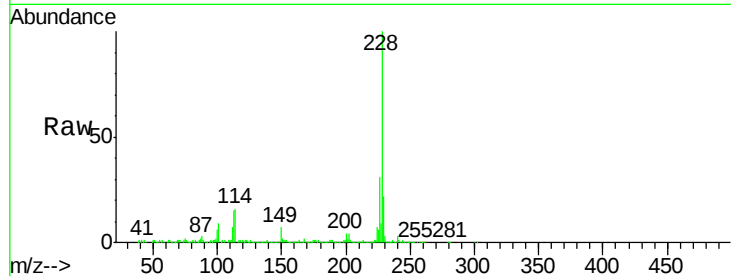
#80
Benzo(a)anthracene
Concen: 45.86 ng
RT: 13.97 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.1	33.1
229	21.6	16.2	24.4

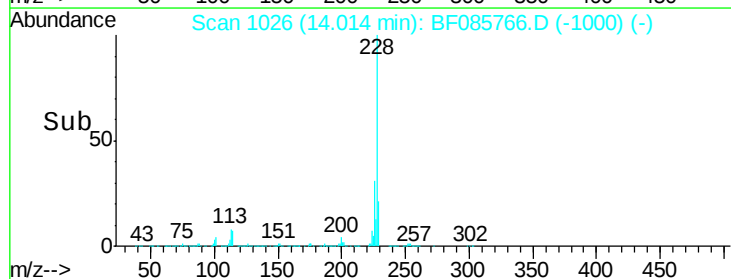
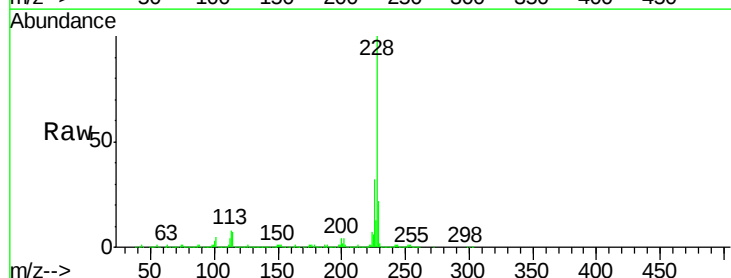
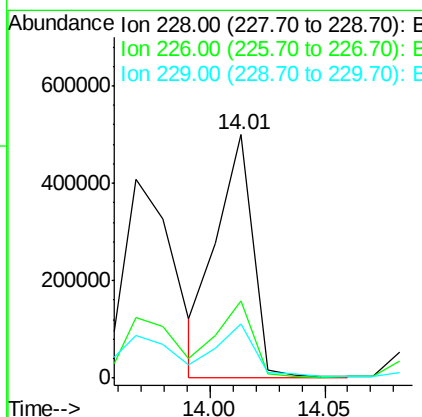
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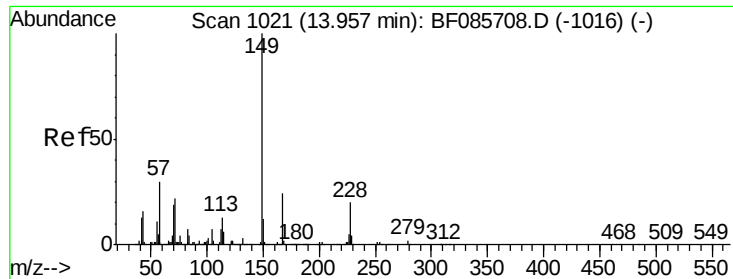
Sohil
3/28/2016 7:52:59 PM



#82
Chrysene
Concen: 41.11 ng m
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	22.3	15.7	23.5





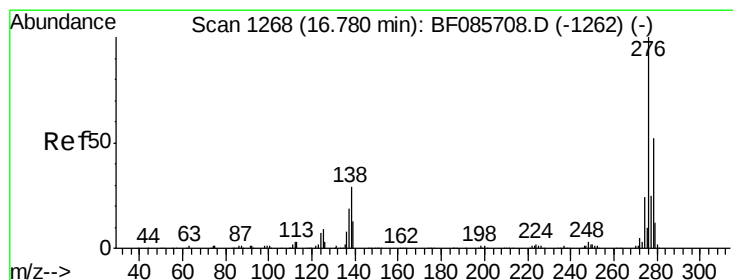
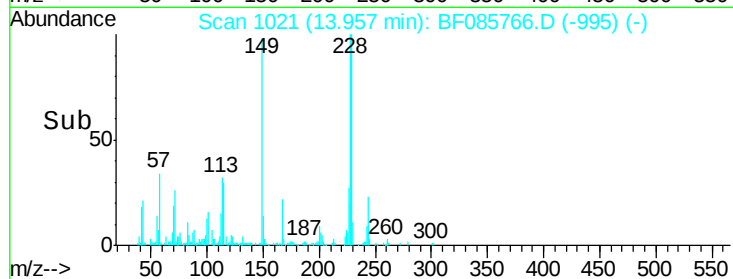
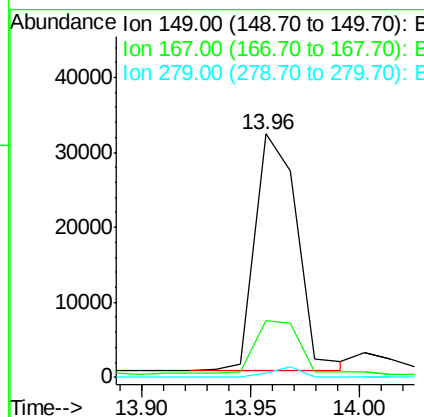
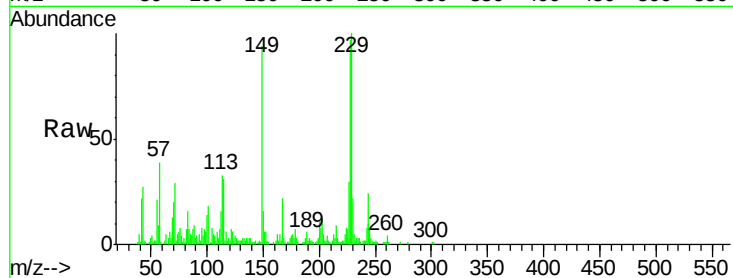
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.40 ng
RT: 13.96 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
Client Sampled :
SB-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	23.2	19.4	29.2
279	1.6	1.5	2.3

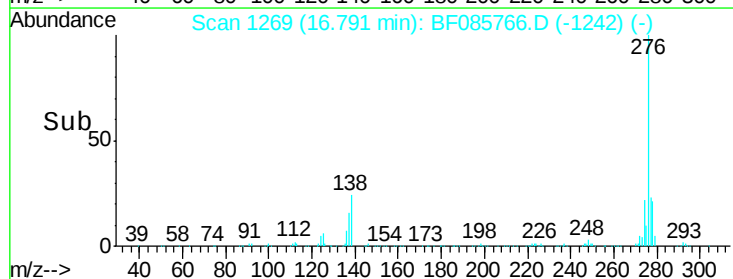
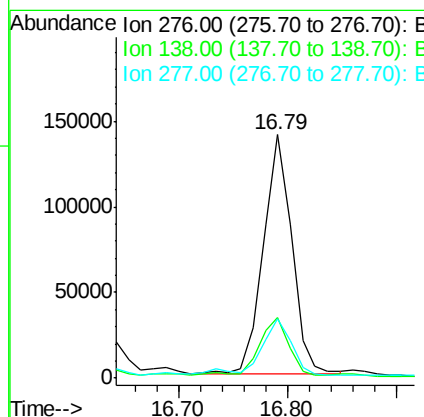
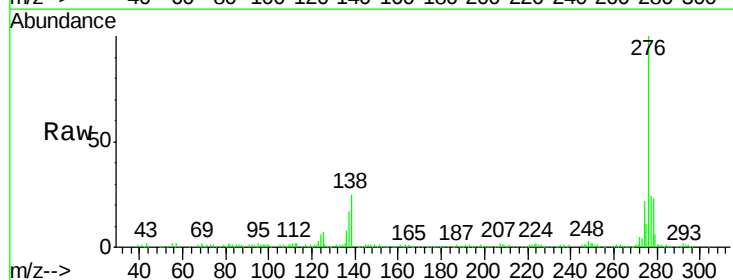
Manual Integrations
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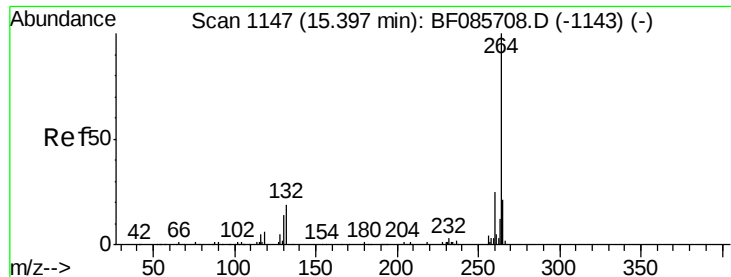
Sohil
3/28/2016 7:52:59 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 24.79 ng
RT: 16.79 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	24.2	36.4
277	26.9	20.0	30.0





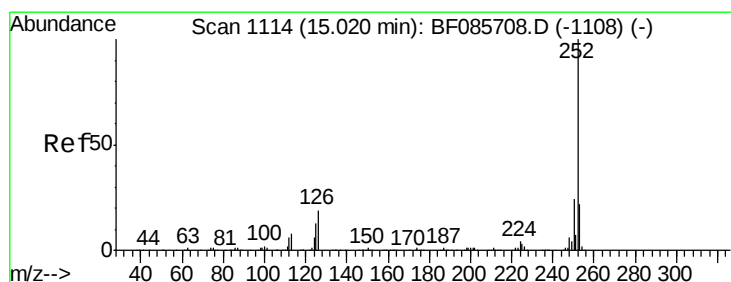
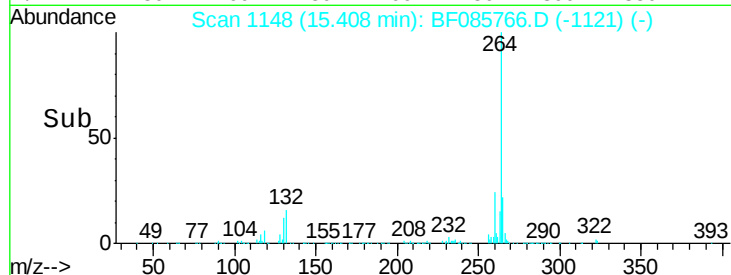
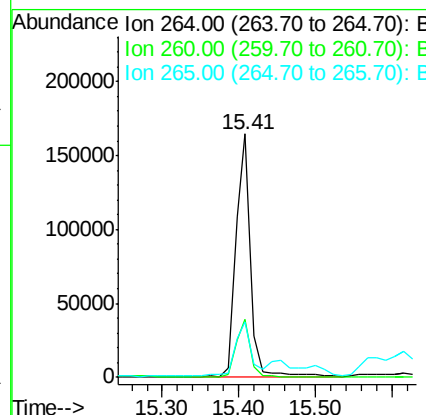
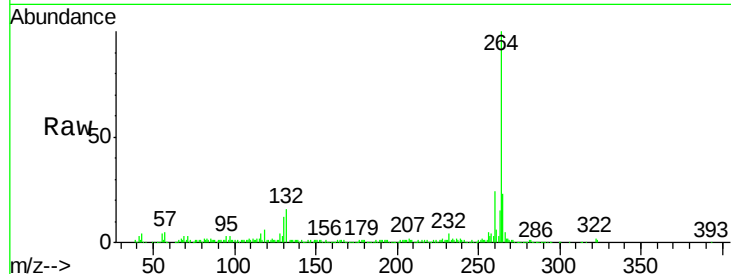
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.8	17.2	25.8

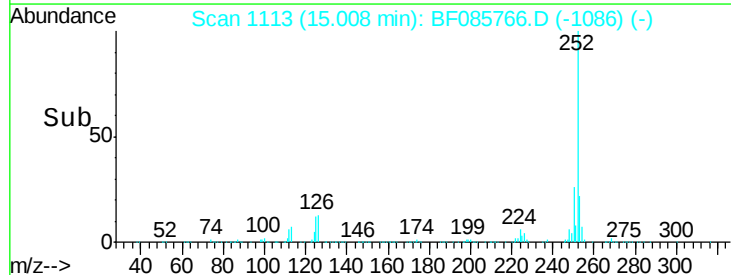
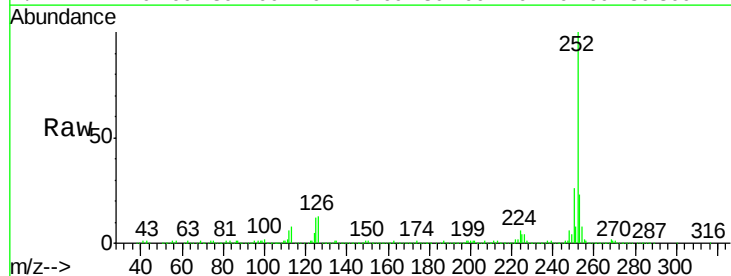
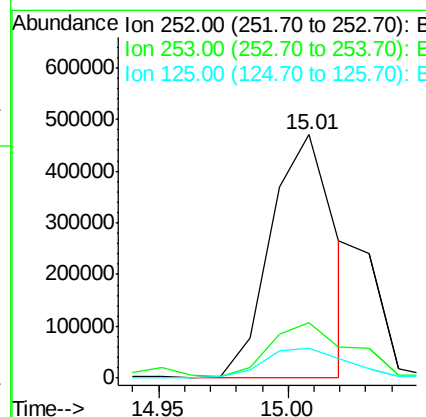
Manual Integrations
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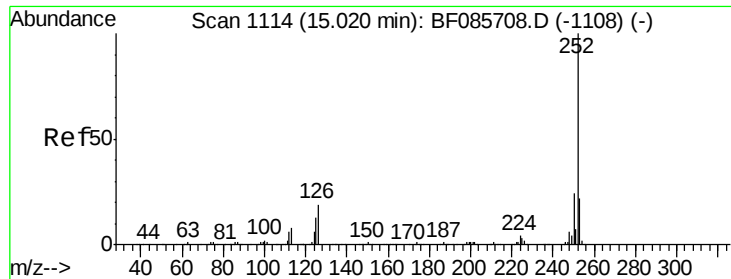
Sohil
3/28/2016 7:52:59 PM



#87
Benzo(b)fluoranthene
Concen: 58.05 ng m
RT: 15.01 min Scan# 1113
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.2	10.3	15.5





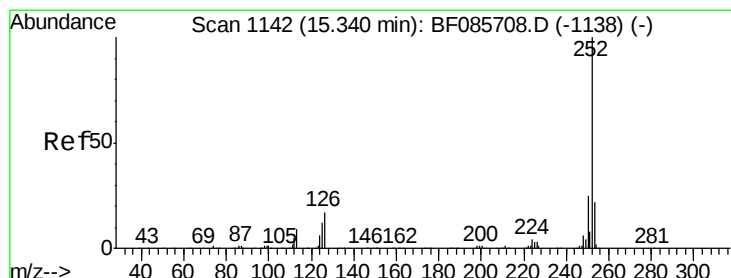
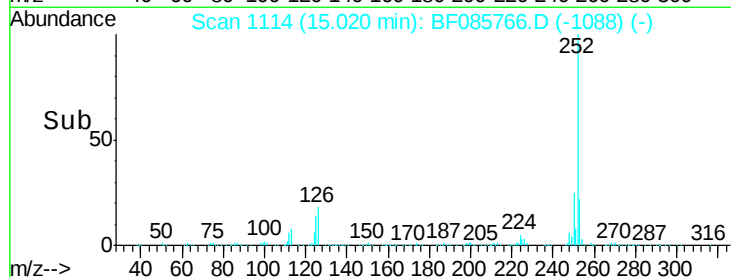
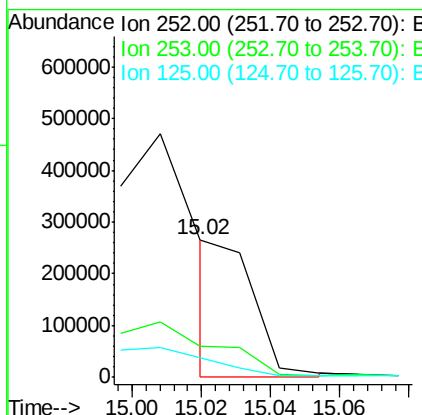
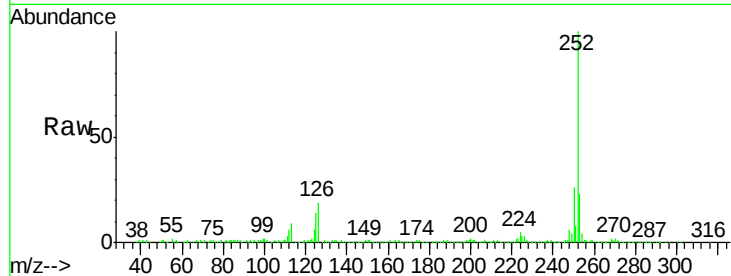
#88
Benzo(k)fluoranthene
Concen: 14.47 ng m
RT: 15.02 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.0	7.7	11.5

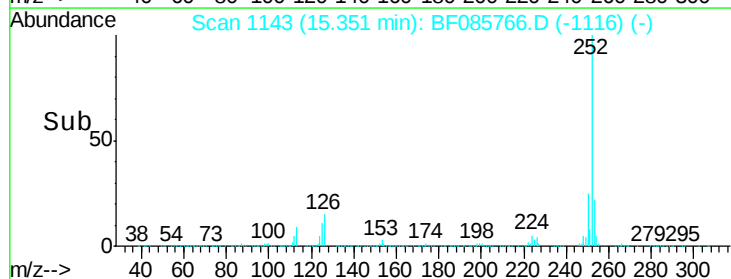
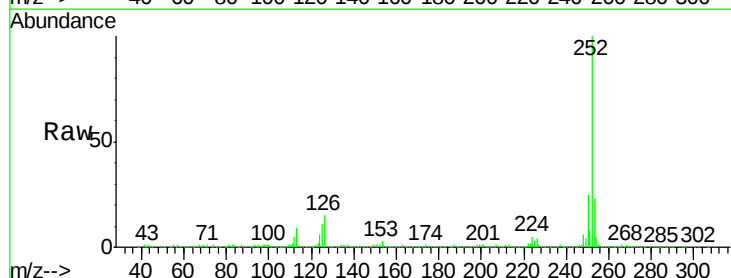
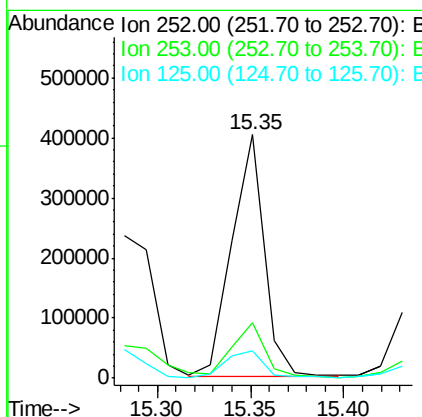
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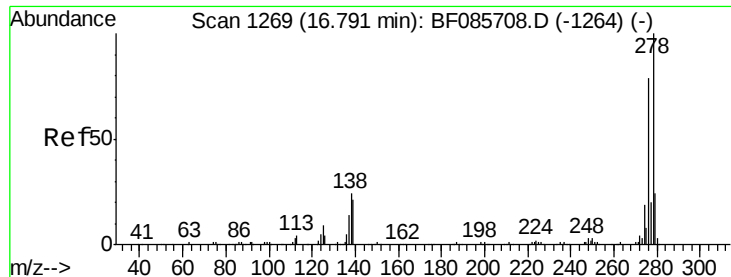
Sohil
3/28/2016 7:52:59 PM



#89
Benzo(a)pyrene
Concen: 39.82 ng
RT: 15.35 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.4	10.3	15.5





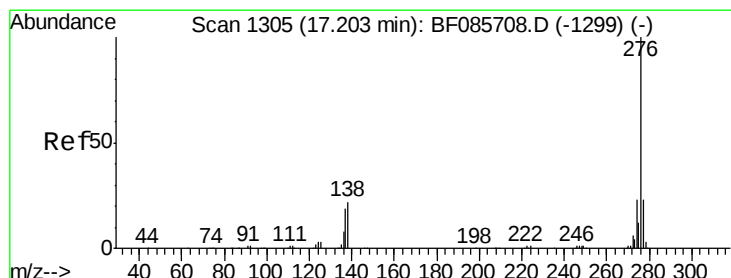
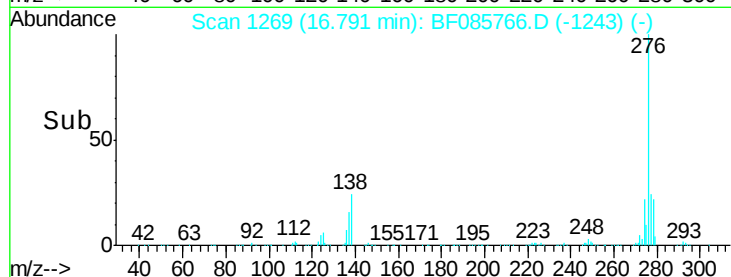
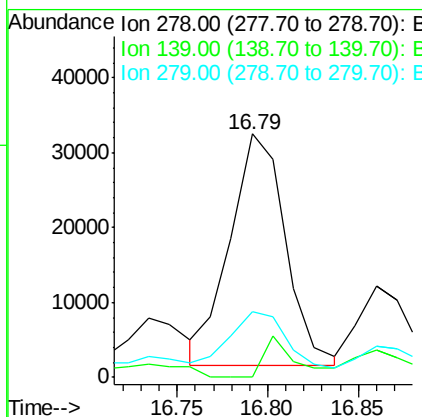
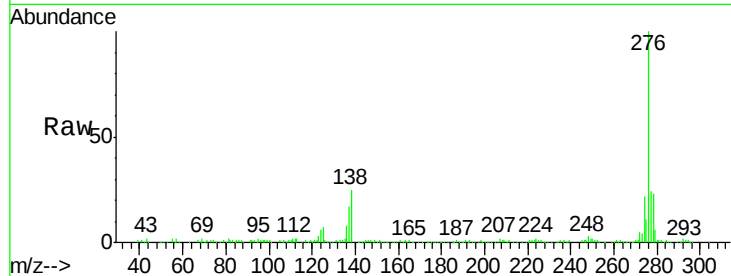
#90
Dibenzo(a,h)anthracene
Concen: 5.68 ng m
RT: 16.79 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.4	21.6#
279	26.9	19.1	28.7

Manual Integrations
APPROVED

Sohil
3/28/2016 7:52:59 PM



#91
Benzo(g,h,i)perylene
Concen: 20.64 ng
RT: 17.21 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BF085766.D
Acq: 25 Mar 2016 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	24.3	22.6	34.0

