

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086114.D
 Acq On : 6 Apr 2016 22:55
 Operator : UM/SJ
 Sample : H2074-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB04

Manual Integrations
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Sohil
 4/7/2016 5:59:05 PM

Quant Time: Apr 07 15:03:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	93639	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	323134	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	118191	20.00	ng	-0.03
63) Phenanthrene-d10	11.27	188	206212	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	221434	20.00	ng	-0.02
86) Perylene-d12	15.30	264	166466	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	663680	121.15	ng	-0.02
7) Phenol-d6	6.40	99	857366	123.21	ng	-0.02
23) Nitrobenzene-d5	7.31	82	433131	79.05	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	110216	99.35	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	620478	87.29	ng	-0.03
78) Terphenyl-d14	12.84	244	557742	59.21	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.05	128	52587	3.24	ng	97
49) Dimethylphthalate	9.50	163	133242	15.21	ng	99
51) Acenaphthene	9.81	154	26689	3.79	ng	97
54) Dibenzofuran	9.98	168	29010	3.12	ng	97
57) Fluorene	10.33	166	25891	3.26	ng	98
70) Phenanthrene	11.29	178	356401	31.68	ng	99
71) Anthracene	11.33	178	85583	7.26	ng	97
72) Carbazole	11.51	167	35018	3.46	ng	99
74) Fluoranthene	12.48	202	440703	37.66	ng	93
77) Pyrene	12.71	202	403591	25.86	ng	99
80) Benzo(a)anthracene	13.89	228	193894	14.85	ng	97
82) Chrysene	13.93	228	160775m	12.79	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	61763m	6.05	ng	
87) Benzo(b)fluoranthene	14.91	252	186043m	17.77	ng	
88) Benzo(k)fluoranthene	14.93	252	62650m	6.76	ng	
89) Benzo(a)pyrene	15.24	252	125729	13.55	ng	96
90) Dibenzo(a,h)anthracene	16.65	278	15318	2.05	ng	# 79
91) Benzo(g,h,i)perylene	17.05	276	61066	8.45	ng	100

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

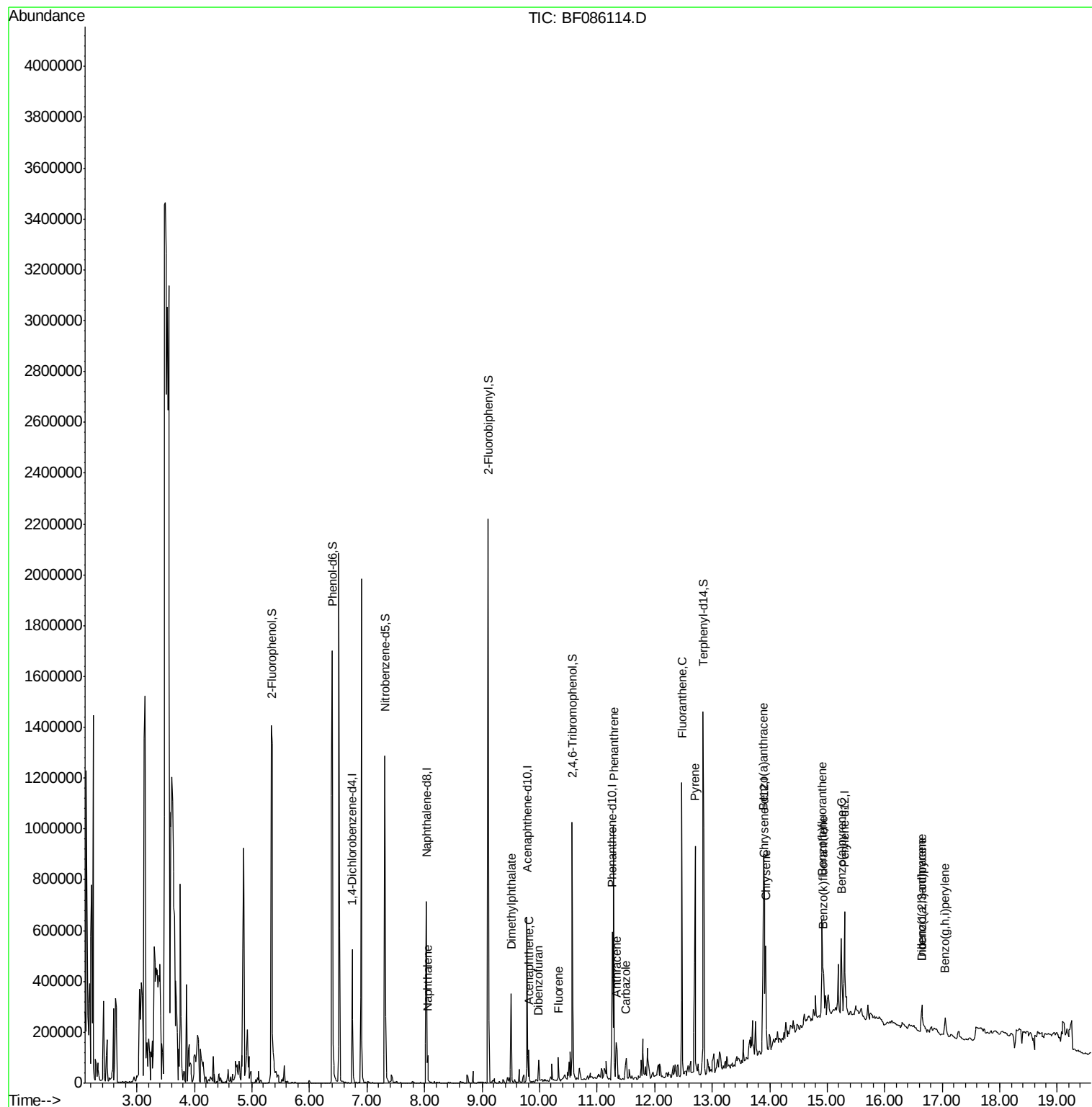
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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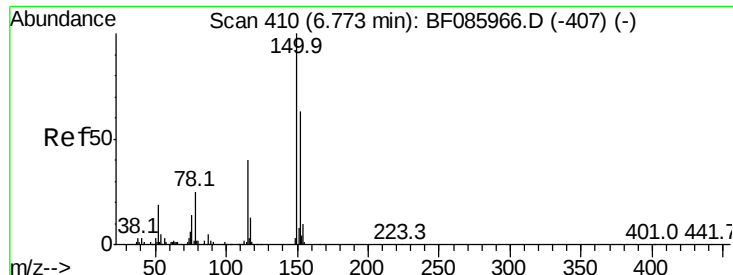
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

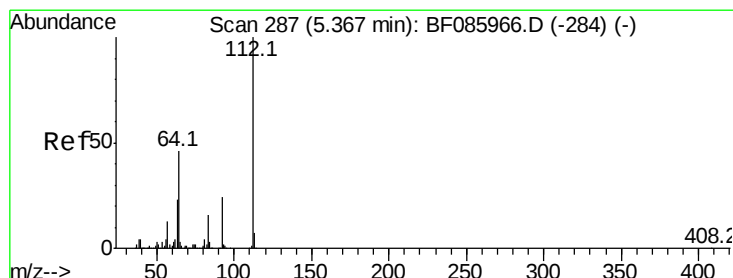
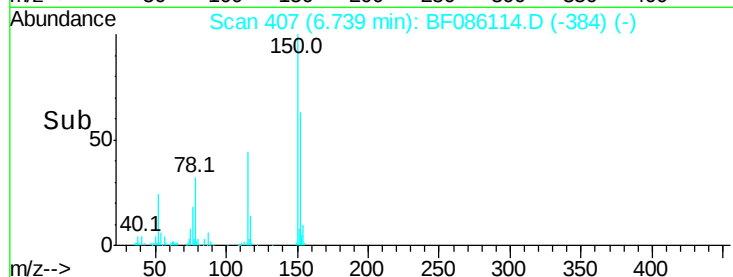
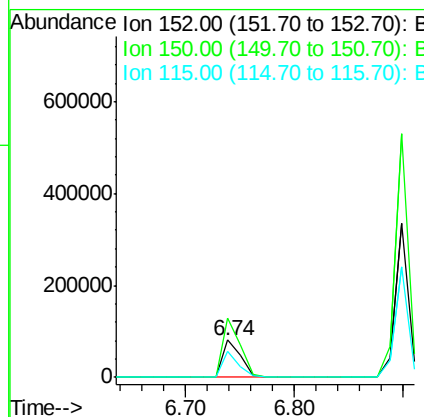
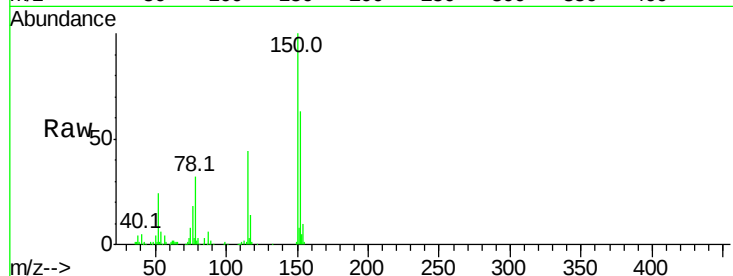
ClientSampleId :

SB04

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.2	186.2
115	70.0	47.0	70.6

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#5

2-Fluorophenol

Concen: 121.15 ng

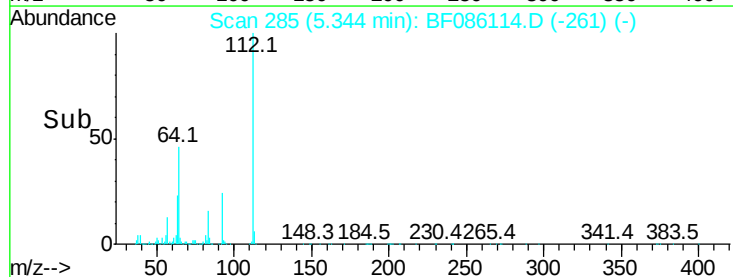
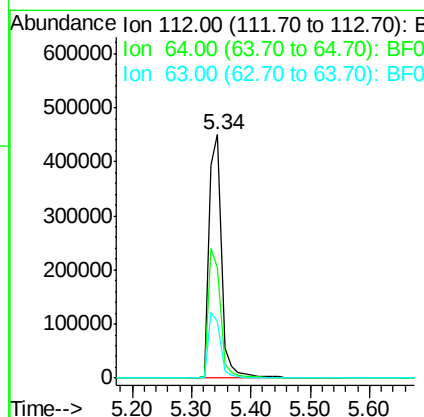
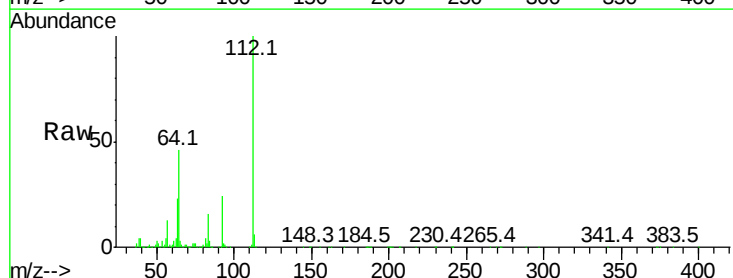
RT: 5.34 min Scan# 285

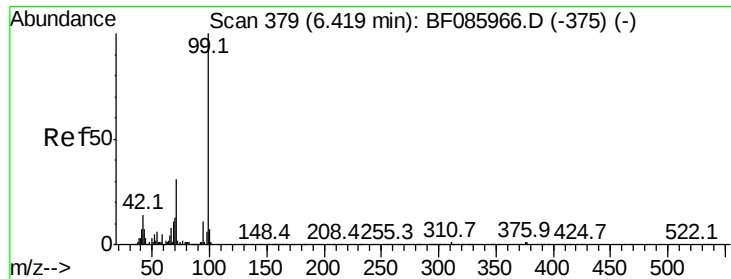
Delta R.T. -0.02 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.5	39.9	59.9
63	23.1	20.2	30.2





#7

Phenol-d6

Concen: 123.21 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

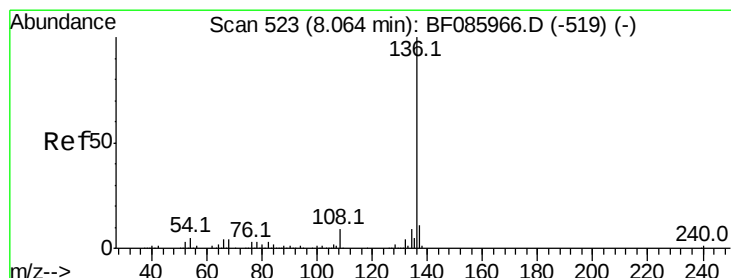
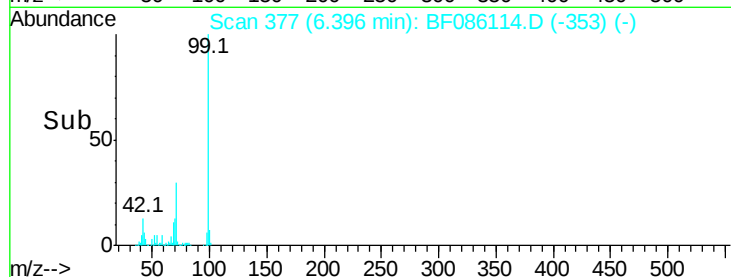
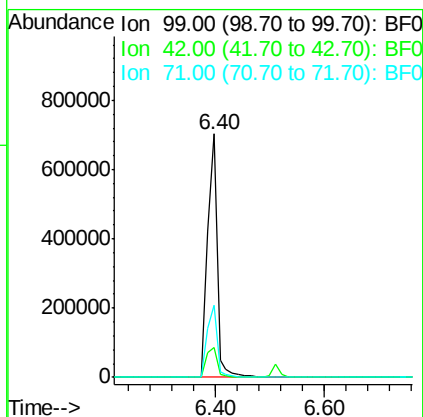
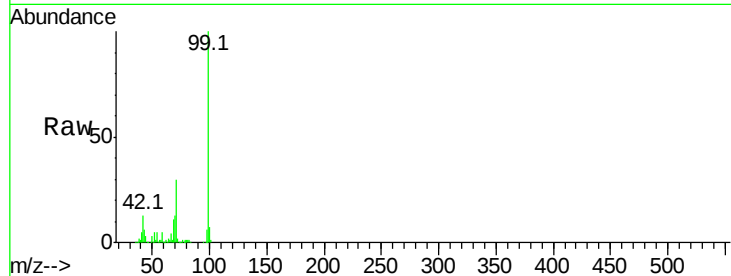
ClientSampleId :

SB04

Tot Ion:	99	Resp:	857366
Ion Ratio	Lower	Upper	
99	100		
42	12.5	11.1	16.7
71	29.8	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

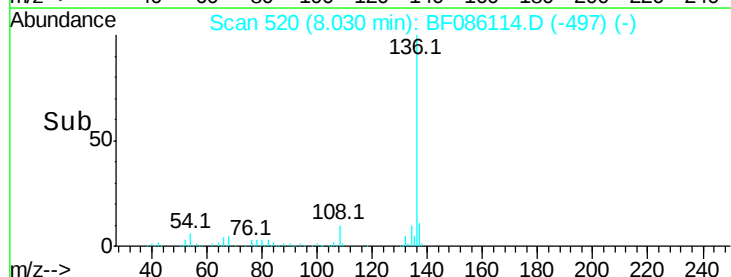
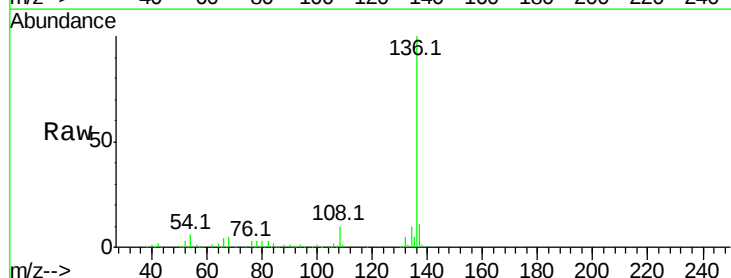
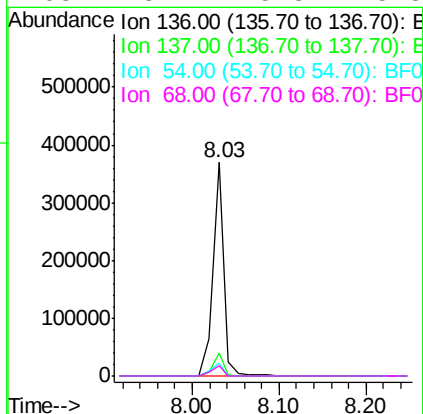
RT: 8.03 min Scan# 520

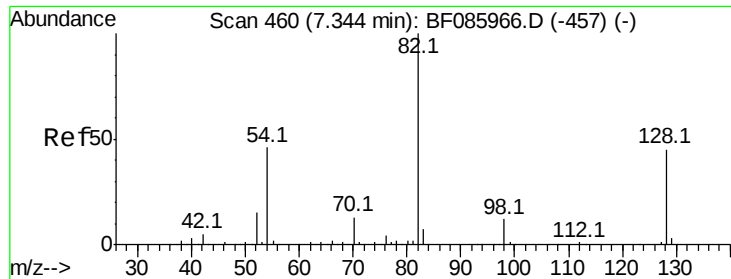
Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion:	136	Resp:	323134
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	5.7	7.4	11.0#
68	5.1	5.8	8.8#





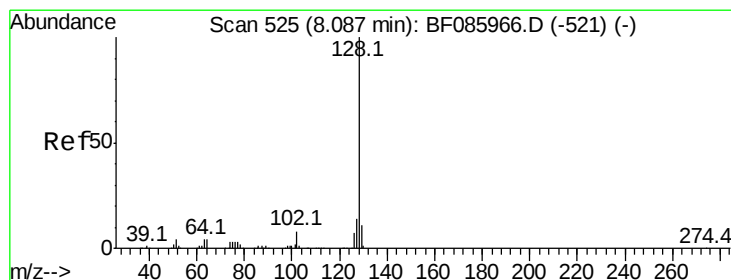
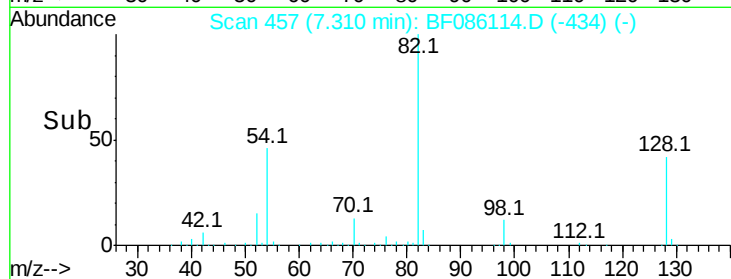
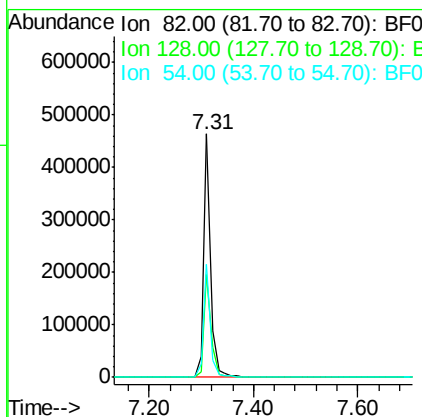
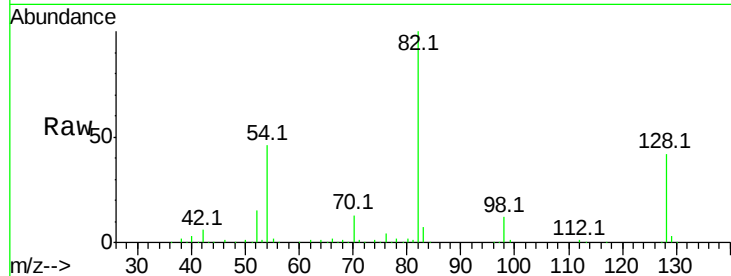
#23
 Nitrobenzene-d5
 Concen: 79.05 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086114.D
 Acq: 6 Apr 2016 22:55

Instrument :
 BNA_F
 ClientSampleId :
 SB04

Tot Ion:	82	Resp:	433131
Ion Ratio	Lower	Upper	
82	100		
128	42.4	41.8	62.8
54	46.4	33.4	50.0

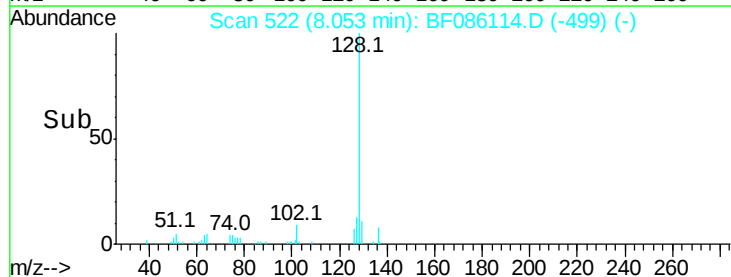
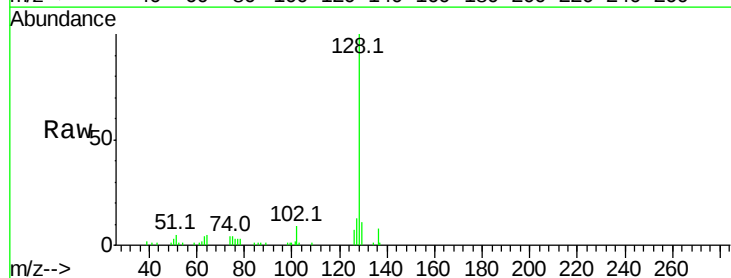
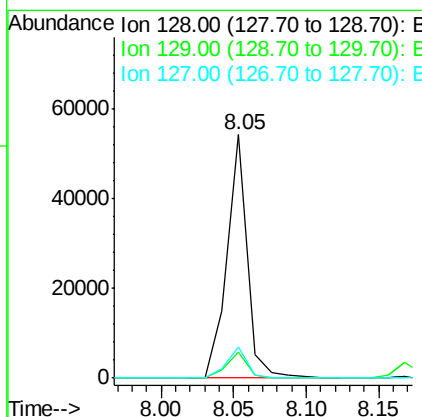
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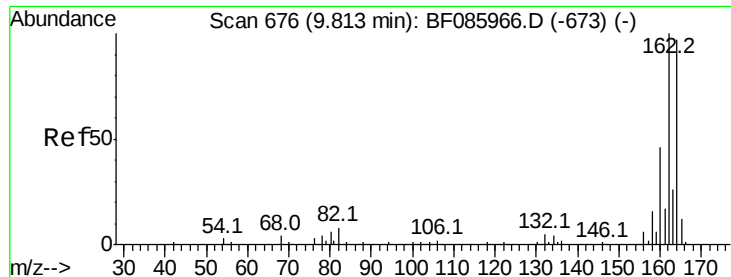
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#31
 Naphthalene
 Concen: 3.24 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: BF086114.D
 Acq: 6 Apr 2016 22:55

Tgt Ion:	128	Resp:	52587
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.4	14.0
127	12.5	11.0	16.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

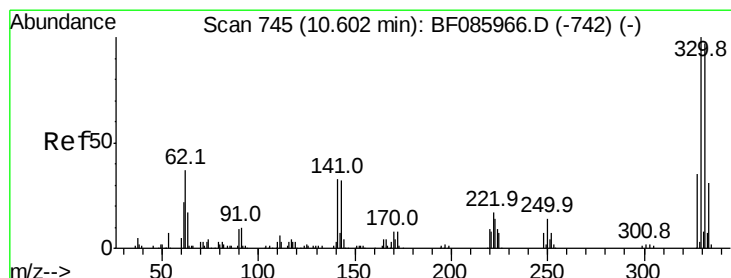
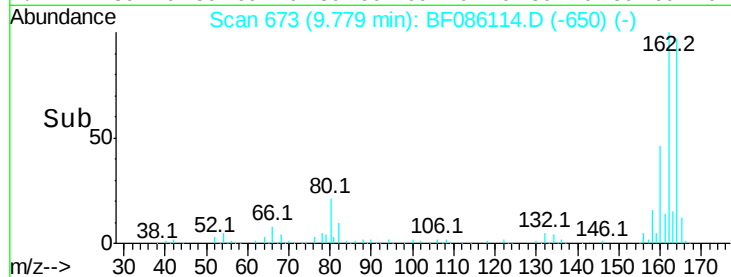
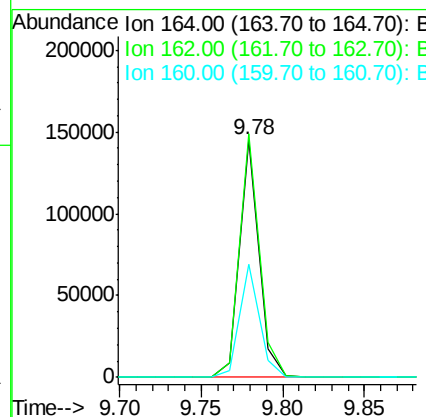
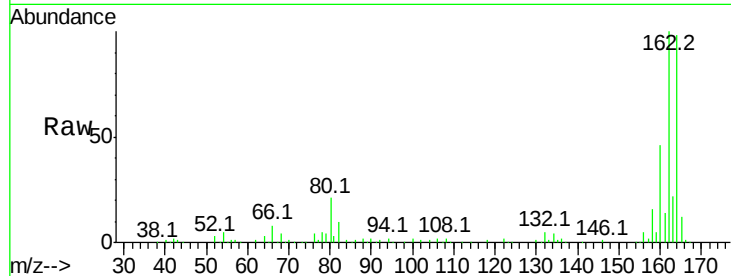
ClientSampleId :

SB04

Tot Ion:	164	Resp:	118191
Ion Ratio	Lower	Upper	
164	100		
162	102.5	82.1	123.1
160	47.6	37.4	56.2

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#41

2,4,6-Tribromophenol

Concen: 99.35 ng

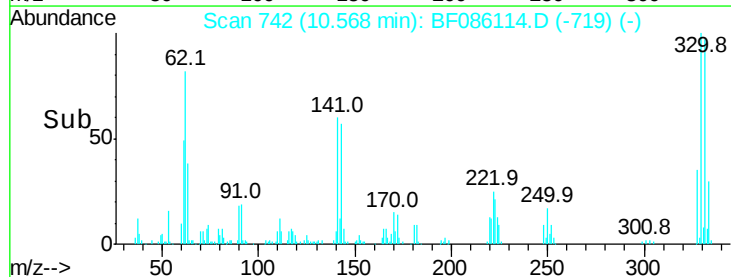
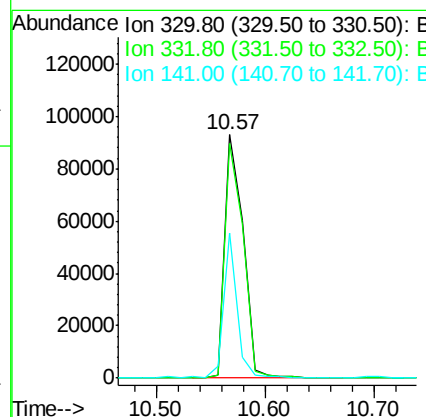
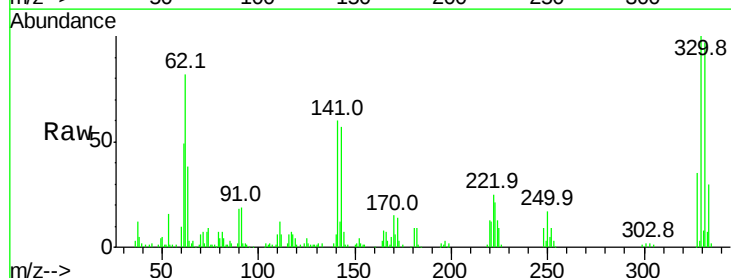
RT: 10.57 min Scan# 742

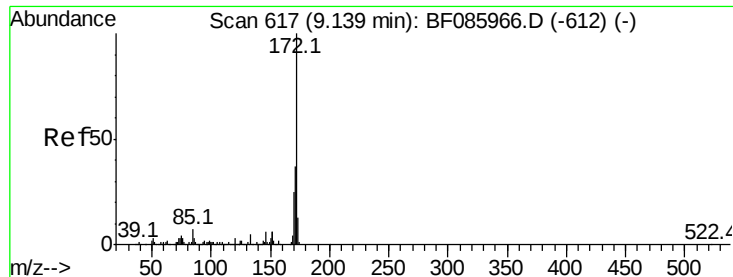
Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion:	330	Resp:	110216
Ion Ratio	Lower	Upper	
330	100		
332	96.6	78.2	117.2
141	44.7	31.5	47.3





#44

2-Fluorobiphenyl

Concen: 87.29 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

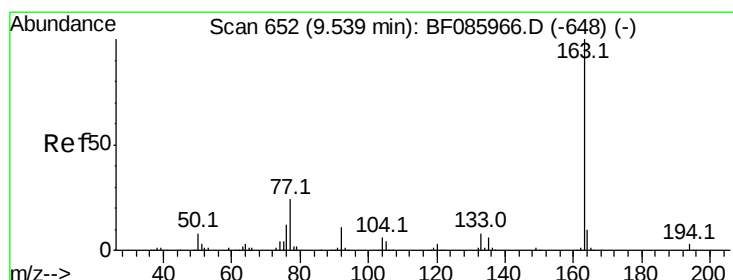
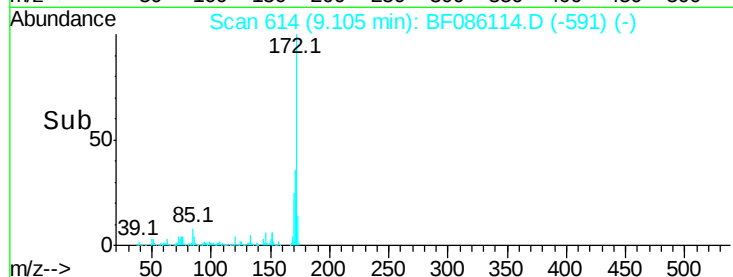
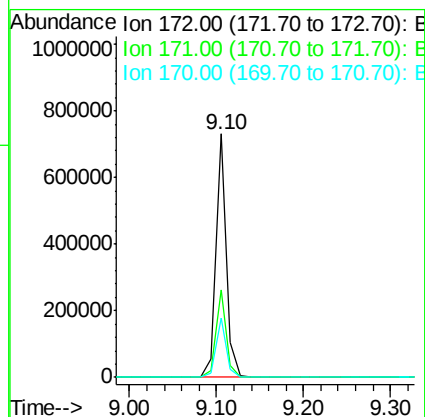
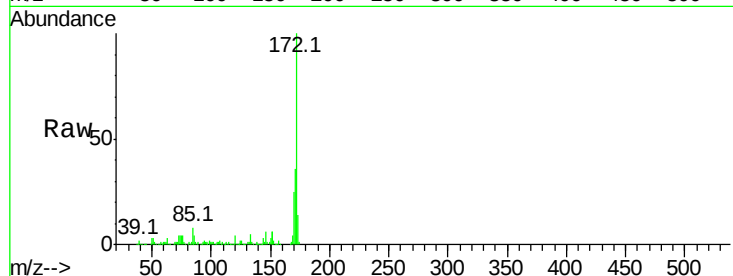
ClientSampled :

SB04

Tot Ion:	172	Resp:	620478
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.4	44.2
170	24.5	19.8	29.6

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#49

Dimethylphthalate

Concen: 15.21 ng

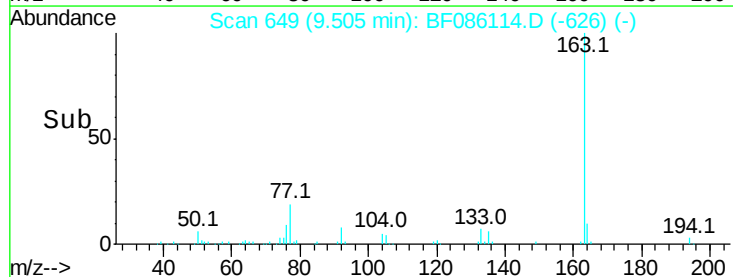
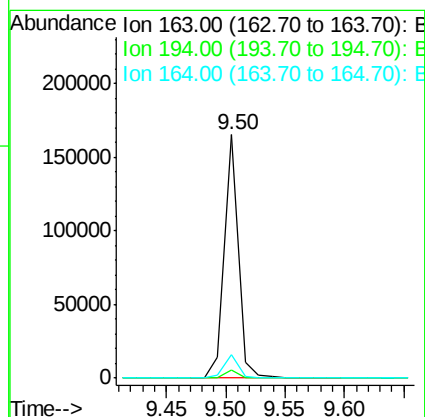
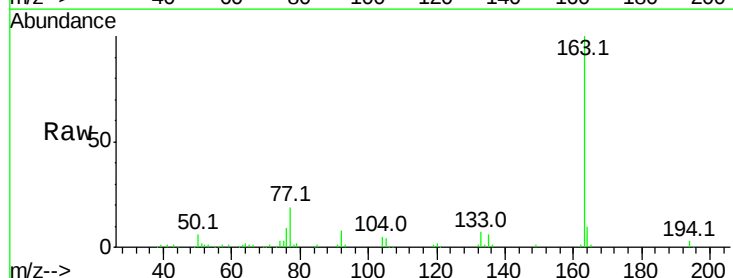
RT: 9.50 min Scan# 649

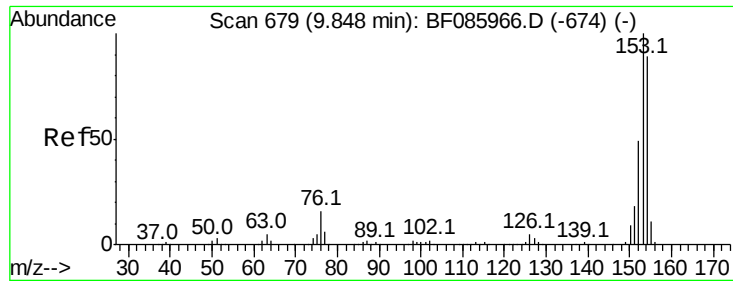
Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion:	163	Resp:	133242
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.9	4.3
164	9.9	8.3	12.5





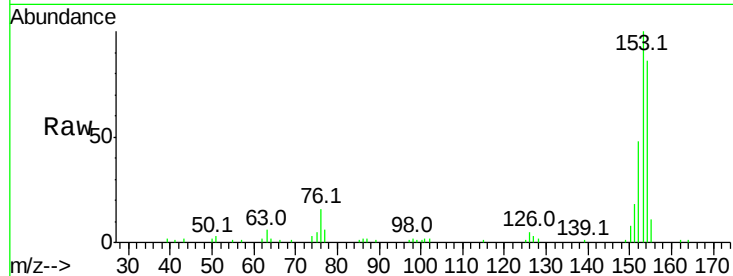
#51
Acenaphthene
Concen: 3.79 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampled :
SB04

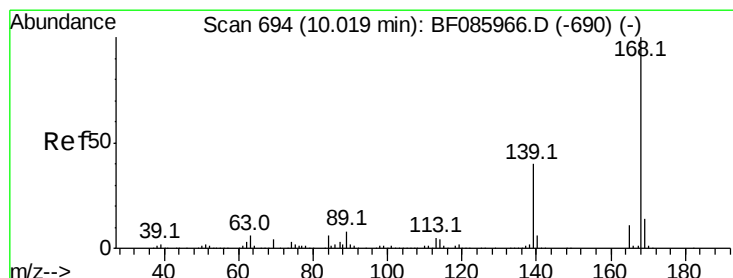
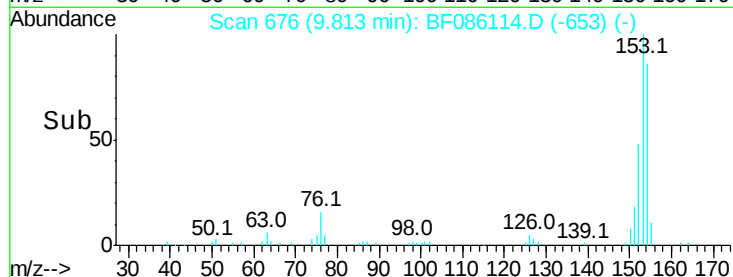
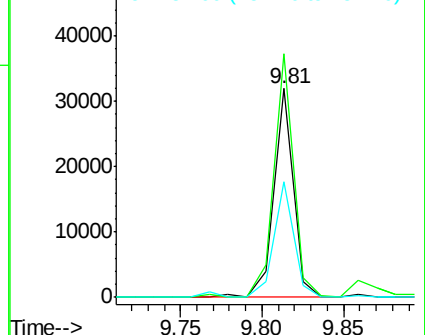
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.1	135.1
152	55.7	44.2	66.2

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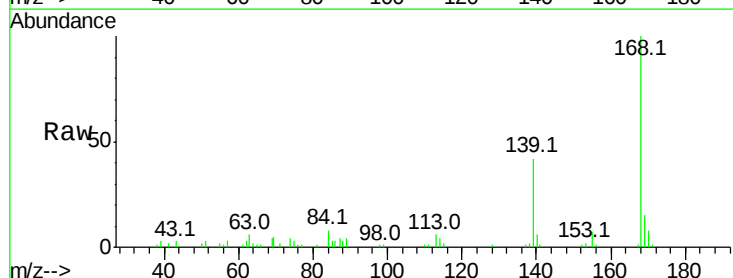


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

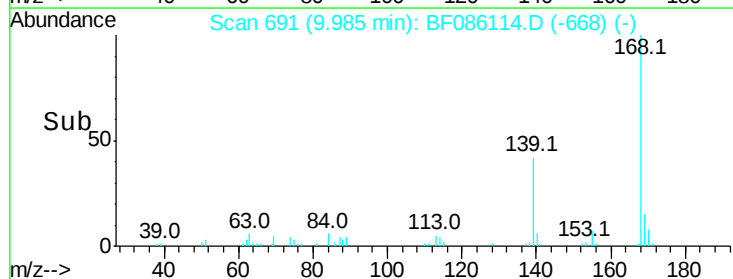
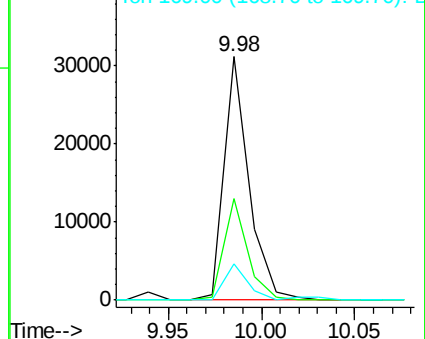


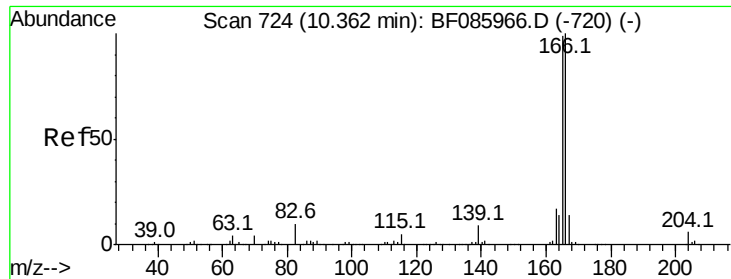
#54
Dibenzofuran
Concen: 3.12 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.9	47.9
169	15.0	11.0	16.6



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





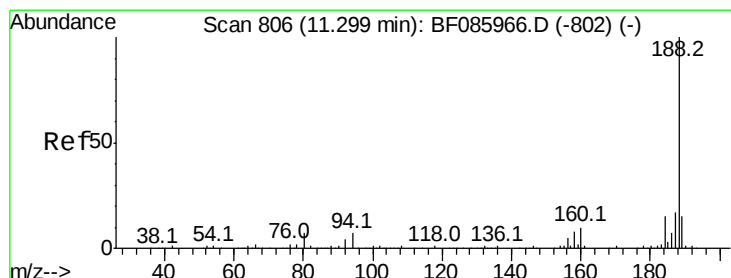
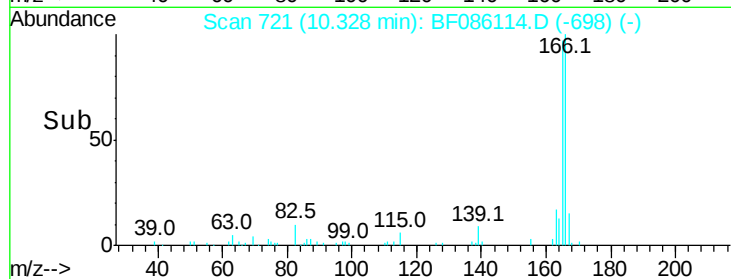
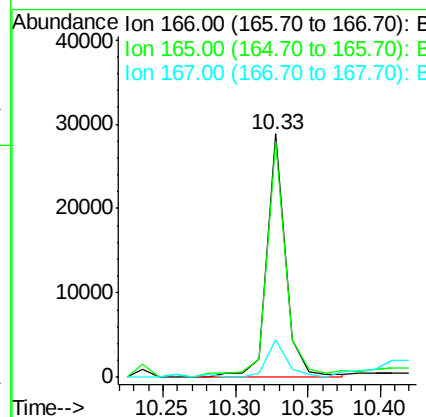
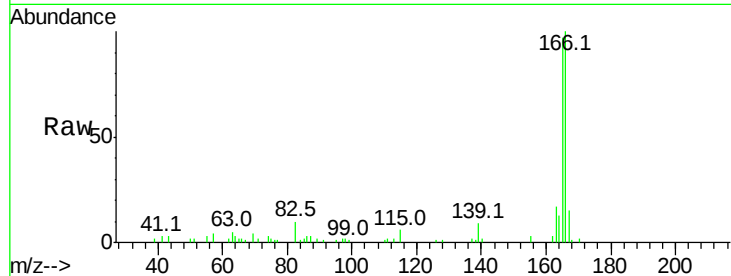
#57
Fluorene
 Concen: 3.26 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: BF086114.D
 Acq: 6 Apr 2016 22:55

Instrument :
 BNA_F
 ClientSampleId :
 SB04

Tot Ion	Ratio	Resp	Lower	Upper
166	100	25891		
165	97.1		79.4	119.0
167	15.5		11.0	16.4

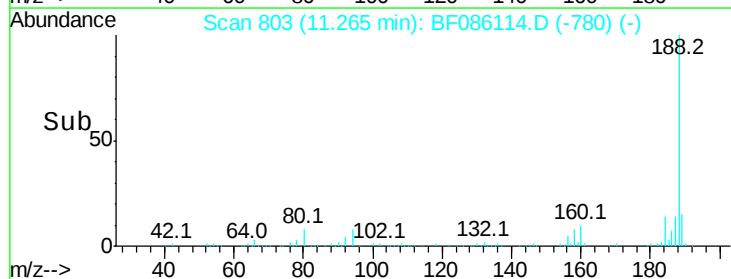
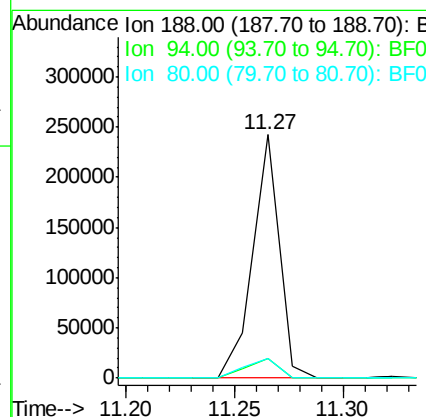
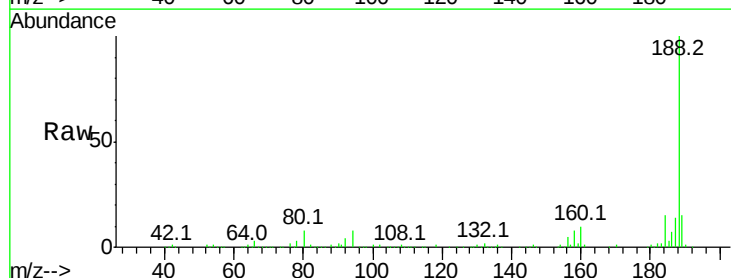
Manual Integrations
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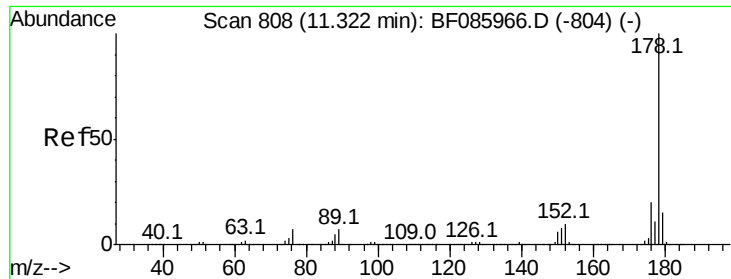
Sohil
 4/7/2016 5:59:05 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086114.D
 Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	206212		
94	8.2		5.4	8.0#
80	8.2		5.5	8.3





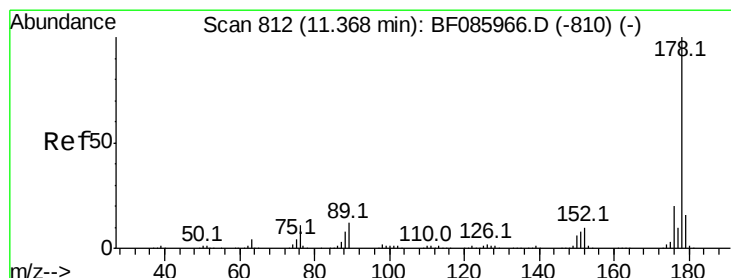
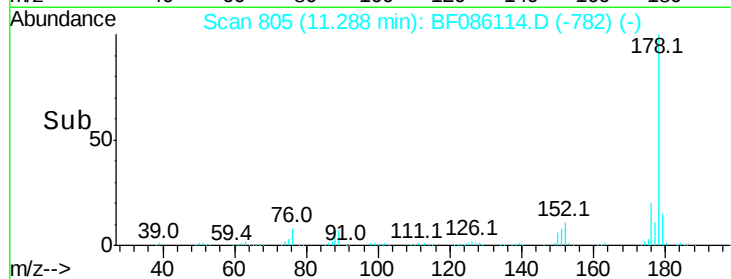
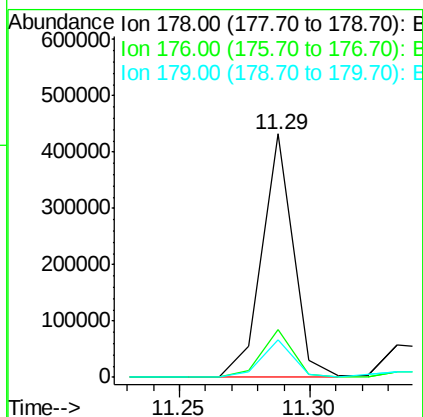
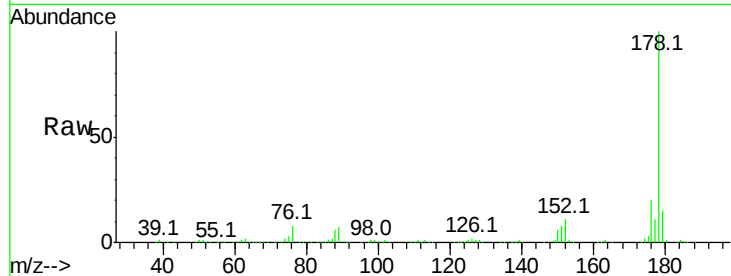
#70
Phenanthrene
Concen: 31.68 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampled :
SB04

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.3	12.6	18.8

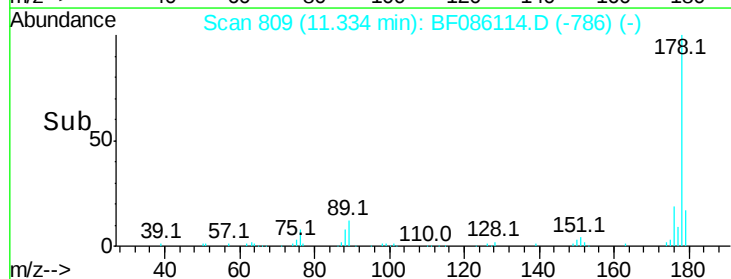
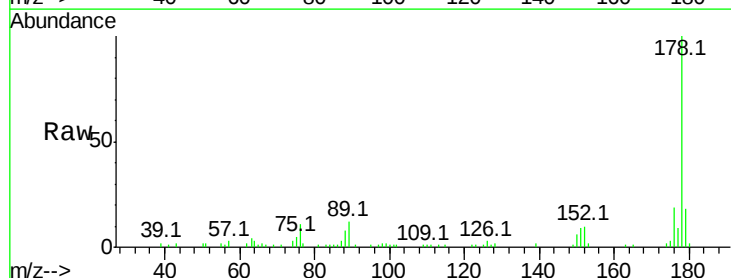
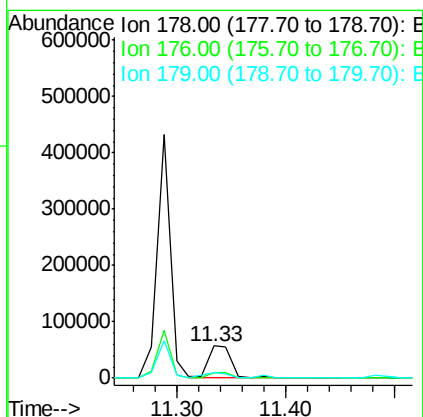
Manual Integrations
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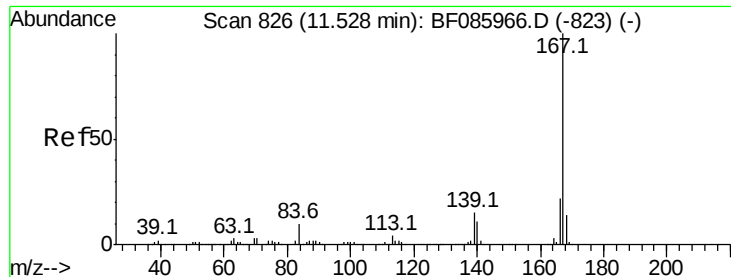
Sohil
4/7/2016 5:59:05 PM



#71
Anthracene
Concen: 7.26 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	17.9	13.0	19.4





#72

Carbazole

Concen: 3.46 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

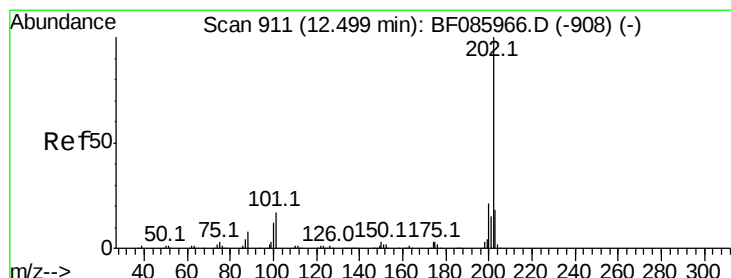
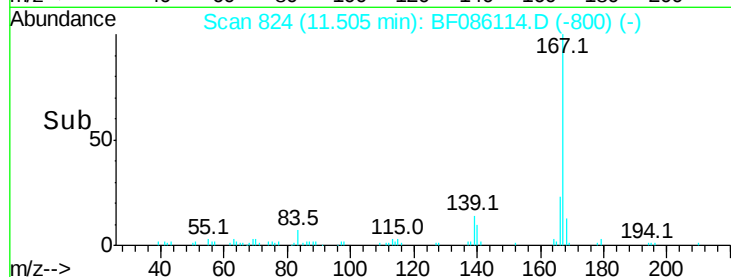
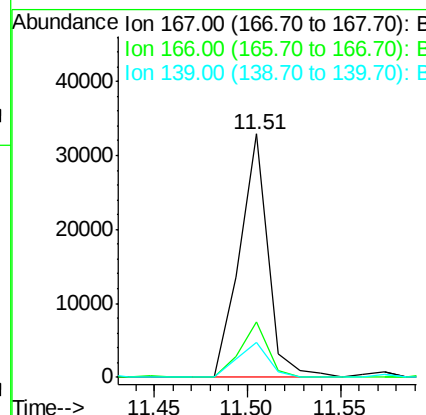
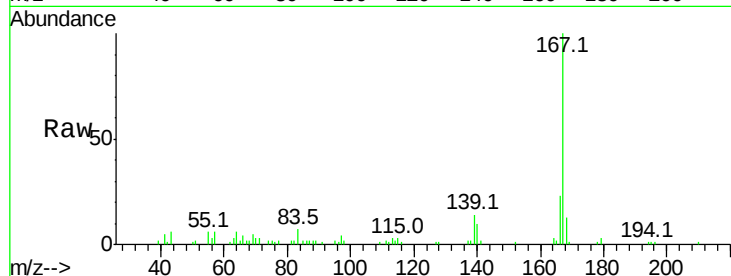
ClientSampleId :

SB04

Tot Ion:	167	Resp:	35018
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.8	26.8
139	14.3	11.6	17.4

Manual Integrations
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#74

Fluoranthene

Concen: 37.66 ng

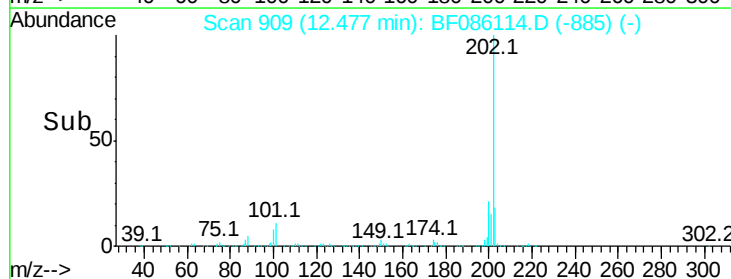
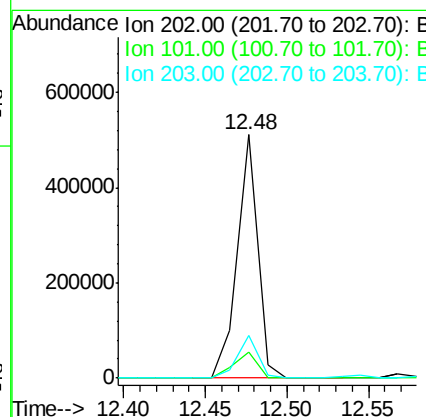
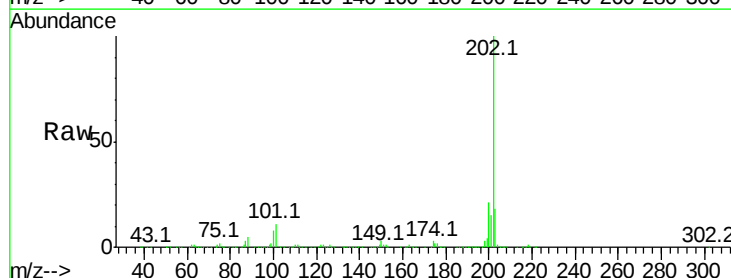
RT: 12.48 min Scan# 909

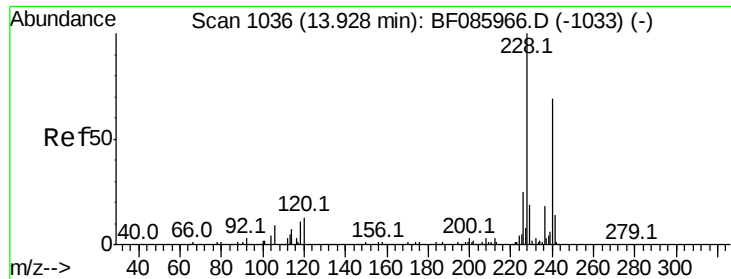
Delta R.T. -0.02 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion:	202	Resp:	440703
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	36.6
203	17.6	0.0	38.1





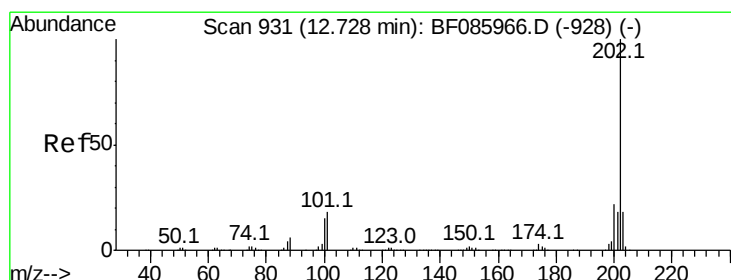
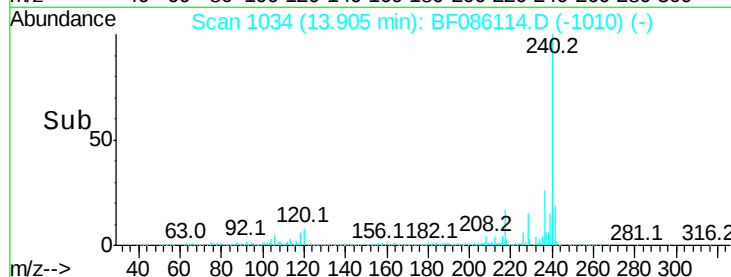
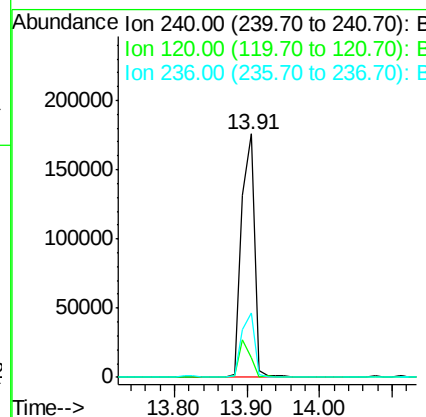
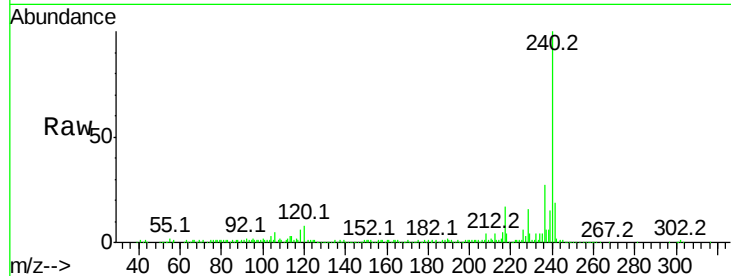
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.9	13.8	20.8#
236	26.5	20.6	30.8

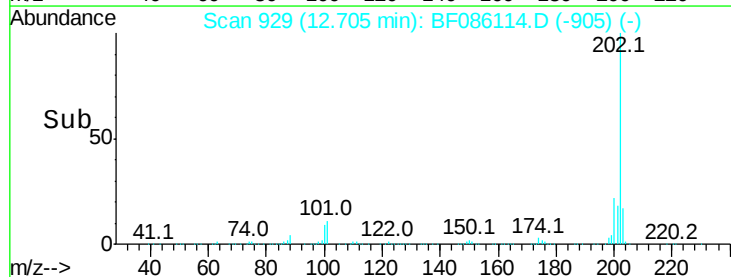
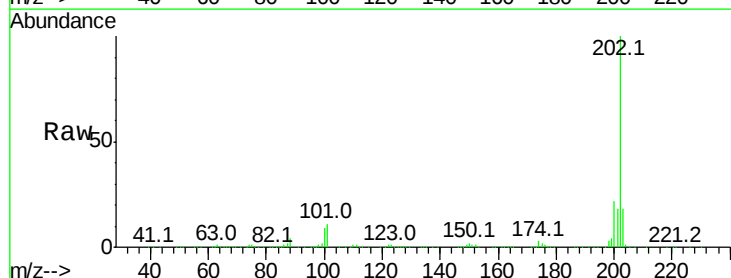
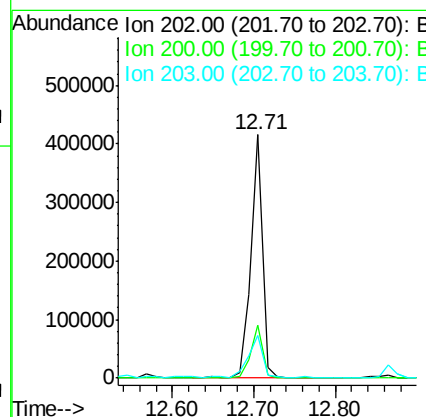
Manual Integrations
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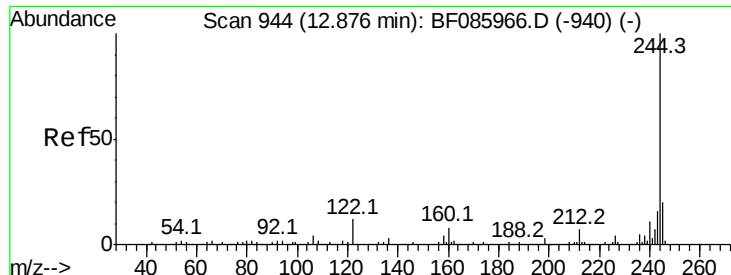
Sohil
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#77
Pyrene
Concen: 25.86 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.6	14.0	21.0





#78

Terphenyl-d14

Concen: 59.21 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

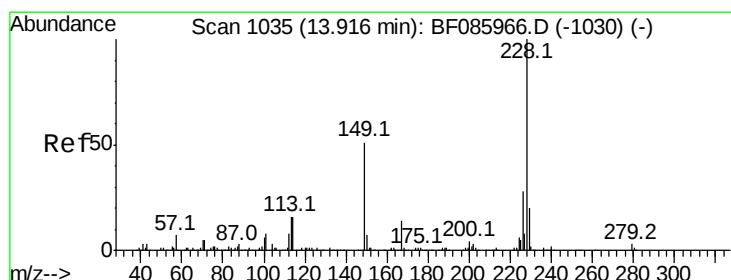
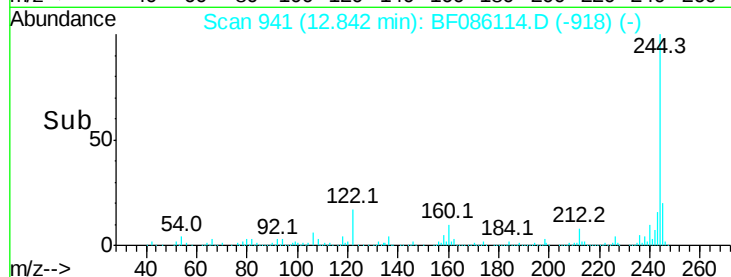
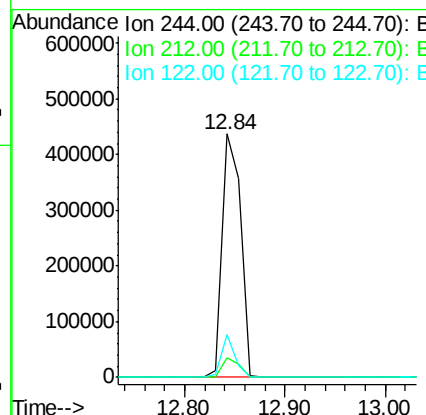
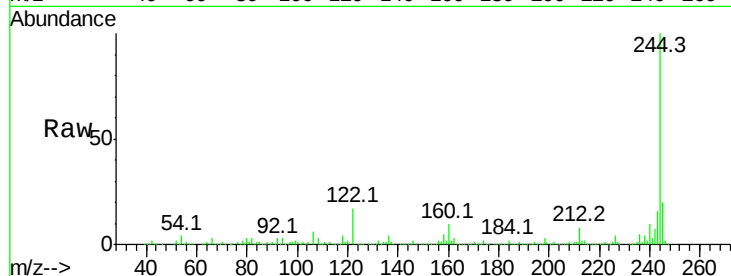
ClientSampled :

SB04

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	17.4	10.2	15.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 14.85 ng

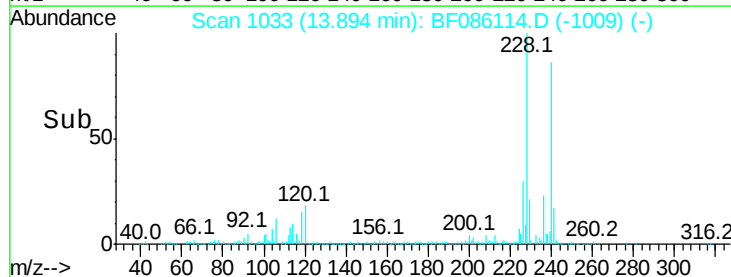
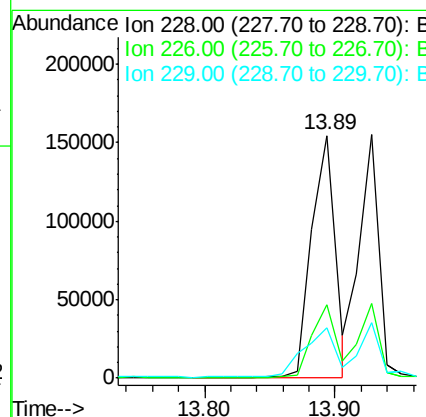
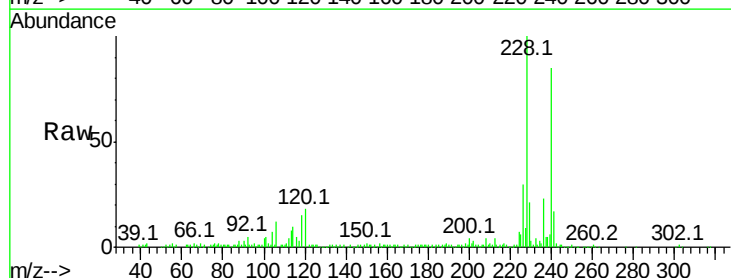
RT: 13.89 min Scan# 1033

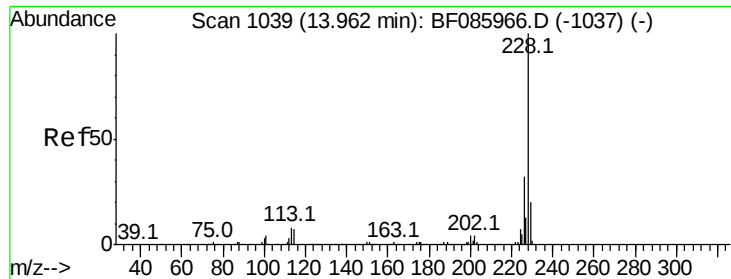
Delta R.T. -0.02 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	21.0	16.2	24.4





#82

Chrysene

Concen: 12.79 ng m

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Instrument :

BNA_F

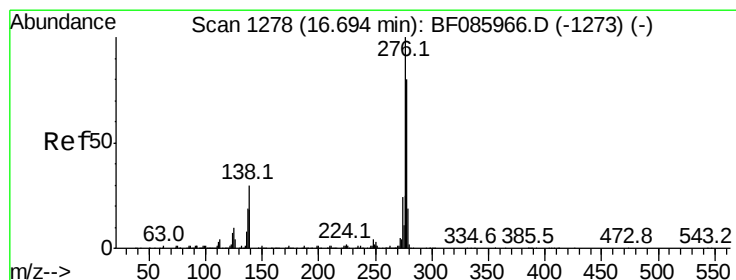
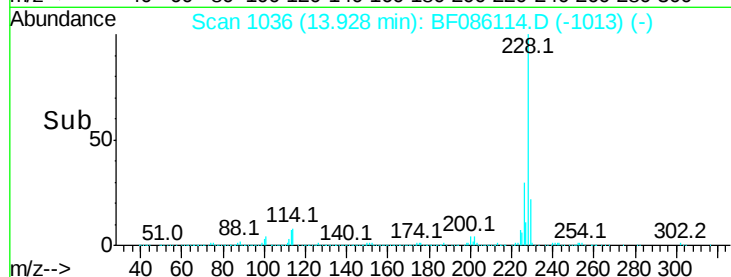
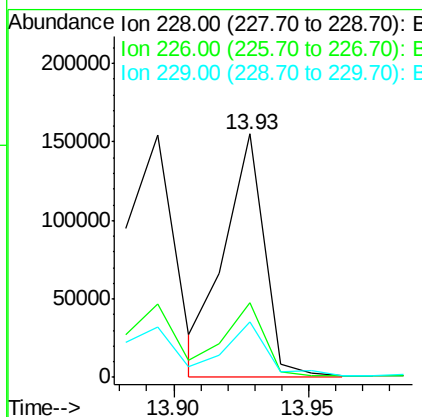
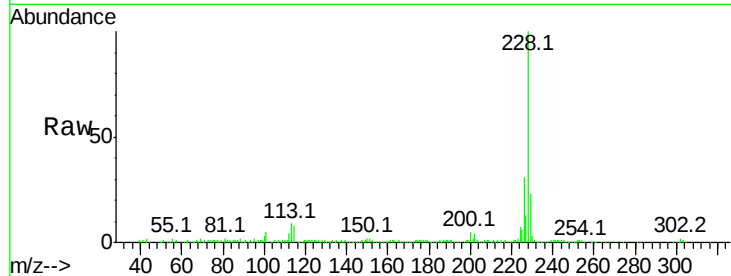
ClientSampleId :

SB04

Tot Ion:	228	Resp:	160775
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.7	15.7	23.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.05 ng m

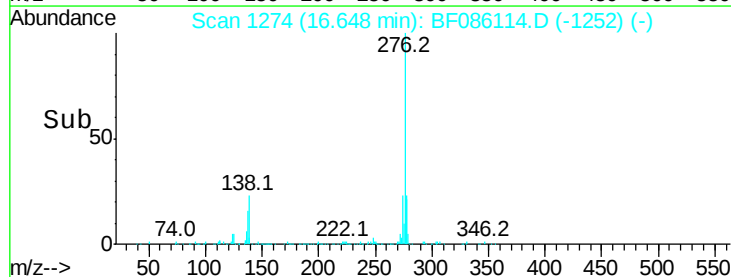
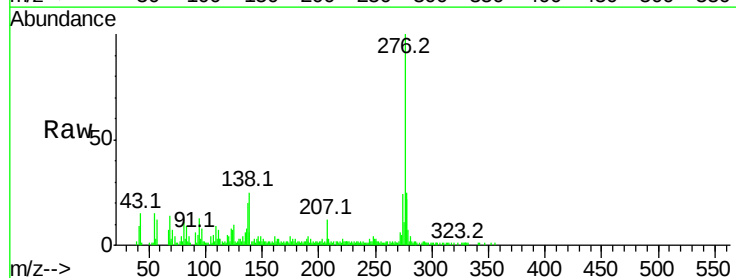
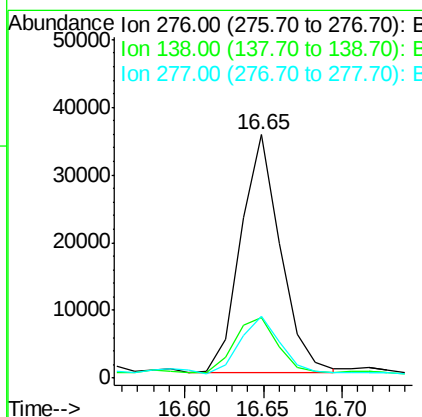
RT: 16.65 min Scan# 1274

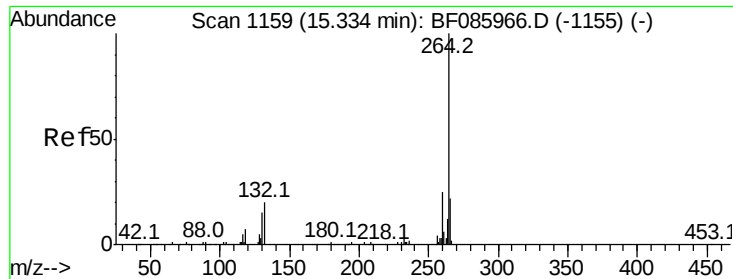
Delta R.T. -0.05 min

Lab File: BF086114.D

Acq: 6 Apr 2016 22:55

Tgt Ion:	276	Resp:	61763
Ion Ratio	Lower	Upper	
276	100		
138	5.8	24.2	36.4#
277	4.1	20.0	30.0#





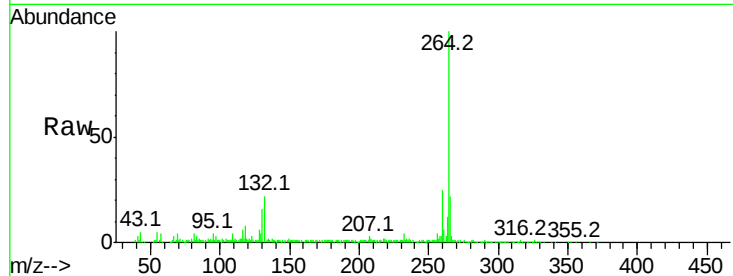
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

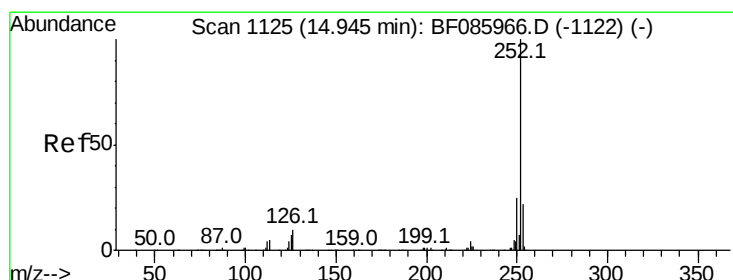
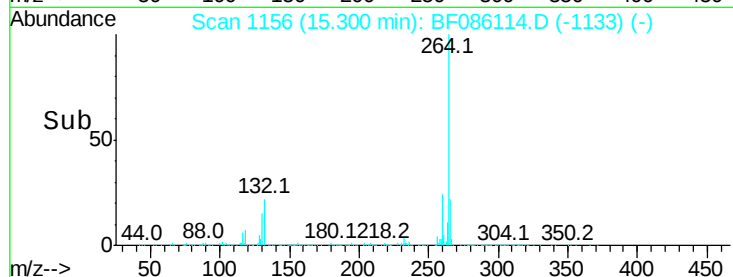
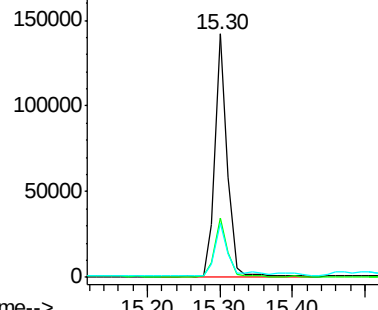
Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.0	17.2	25.8

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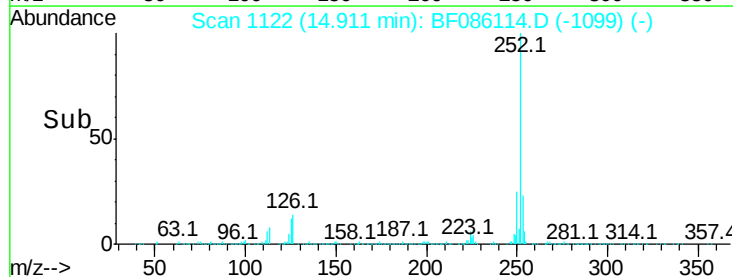
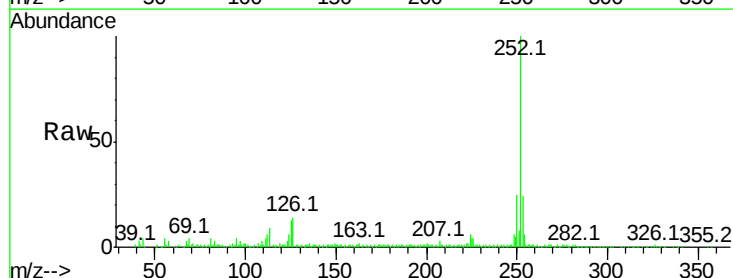
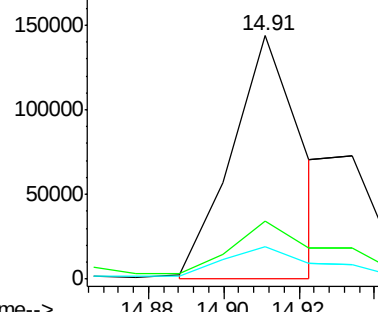
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

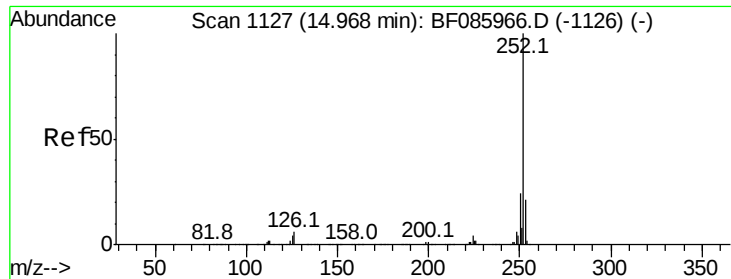


#87
Benzo(b)fluoranthene
Concen: 17.77 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.6	26.4
125	13.1	10.3	15.5

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





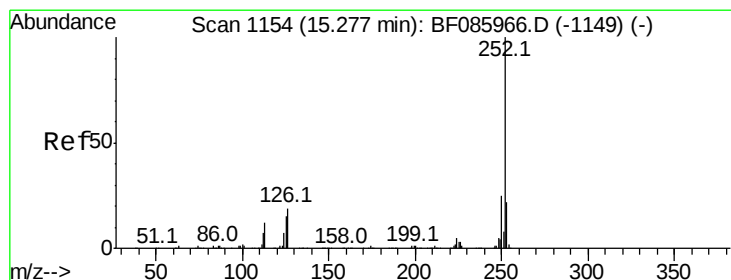
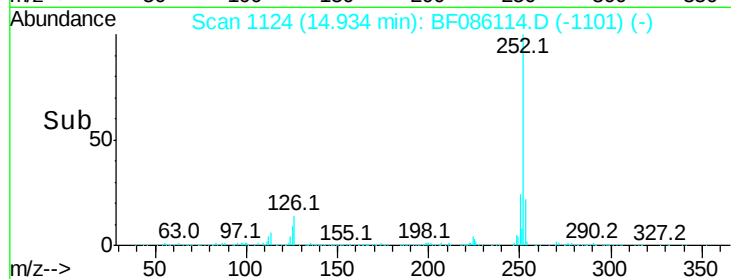
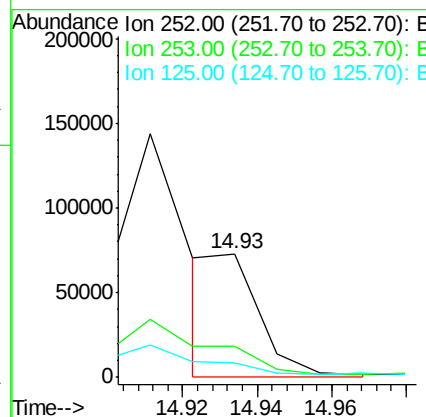
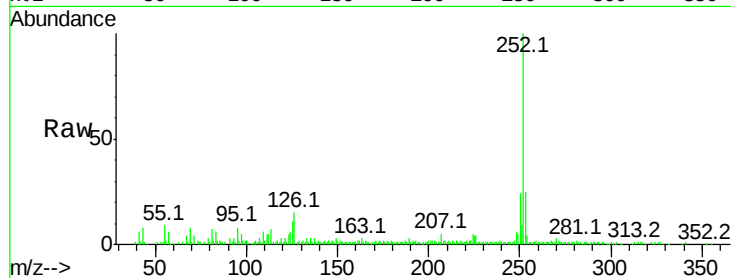
#88
Benzo(k)fluoranthene
Concen: 6.76 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampled :
SB04

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	11.4	7.7	11.5

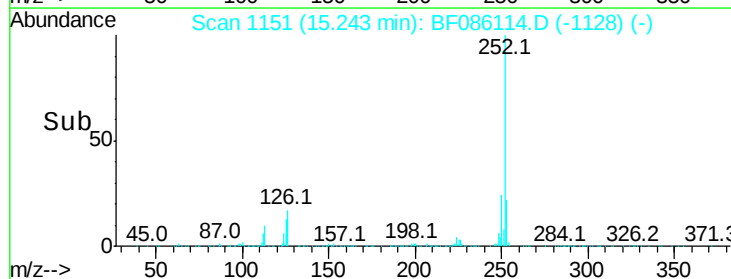
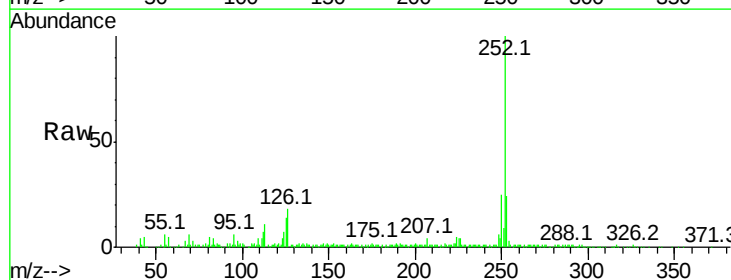
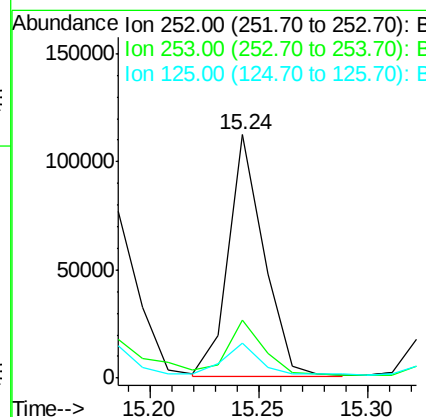
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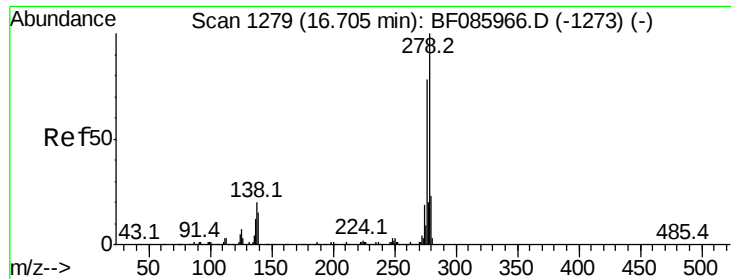
Sohil
4/7/2016 5:59:05 PM



#89
Benzo(a)pyrene
Concen: 13.55 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	14.3	10.3	15.5





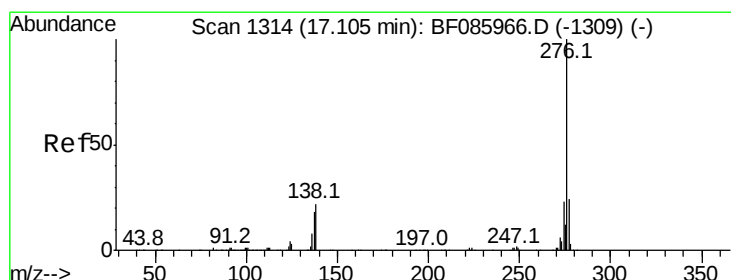
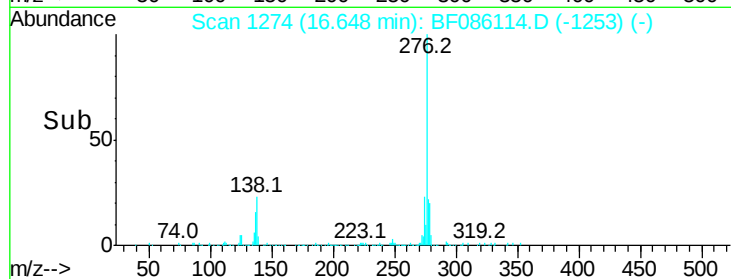
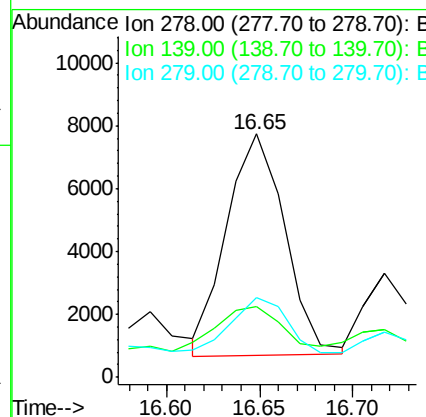
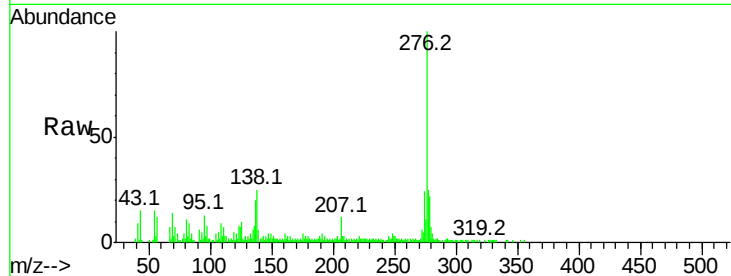
#90
Dibenzo(a,h)anthracene
Concen: 2.05 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.06 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SB04

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.2	14.4	21.6#
279	32.7	19.1	28.7#

Manual Integrations
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4/7/2016 5:59:05 PM



#91
Benzo(g,h,i)perylene
Concen: 8.45 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF086114.D
Acq: 6 Apr 2016 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	28.5	22.6	34.0

