

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF082038.D
 Acq On : 3 Oct 2015 23:24
 Operator : UM/IZ
 Sample : G3867-07
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3.0-3.5-092915

Manual Integrations
 APPROVED

MMDADODA
 10/5/2015 6:27:29 PM

Quant Time: Oct 05 04:39:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	73427	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	305052	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	156339	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	282620	20.00	ng	-0.03
75) Chrysene-d12	14.07	240	230671	20.00	ng	-0.05
86) Perylene-d12	15.54	264	218649	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	627716	155.19	ng	-0.03
7) Phenol-d6	6.51	99	740555	145.50	ng	-0.05
23) Nitrobenzene-d5	7.45	82	466814	102.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.73	330	234625	148.18	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	993202	113.62	ng	-0.05
78) Terphenyl-d14	13.02	244	880325	161.77	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.19	128	35888	2.66	ng	98
37) 2-Methylnaphthalene	8.88	142	35276	3.82	ng	# 90
48) Acenaphthylene	9.79	152	48616	3.21	ng	94
49) Dimethylphthalate	9.65	163	174534	16.17	ng	# 97
70) Phenanthrene	11.45	178	75140	4.01	ng	96
74) Fluoranthene	12.64	202	154489	10.20	ng	89
77) Pyrene	12.87	202	160403	11.64	ng	97
80) Benzo(a)anthracene	14.07	228	114744	9.24	ng	# 76
82) Chrysene	14.10	228	108433m	7.71	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	82177	8.46	ng	# 83
87) Benzo(b)fluoranthene	15.11	252	141000m	11.29	ng	
88) Benzo(k)fluoranthene	15.12	252	89802m	7.85	ng	
89) Benzo(a)pyrene	15.48	252	116475	10.76	ng	# 86
90) Dibenzo(a,h)anthracene	17.00	278	20128m	2.22	ng	
91) Benzo(a,h,i)perylene	17.43	276	79202	8.51	ng	# 77

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

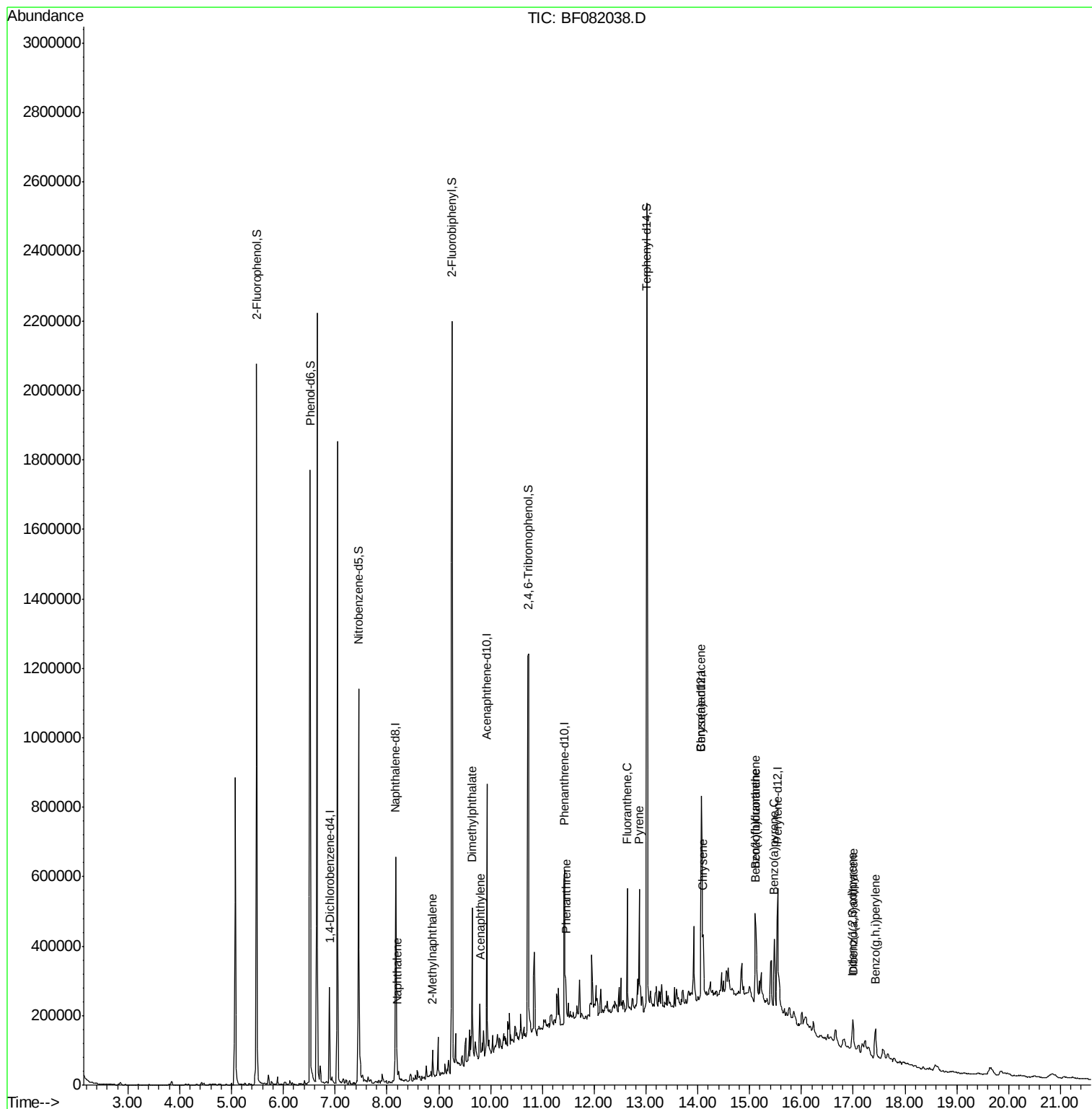
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
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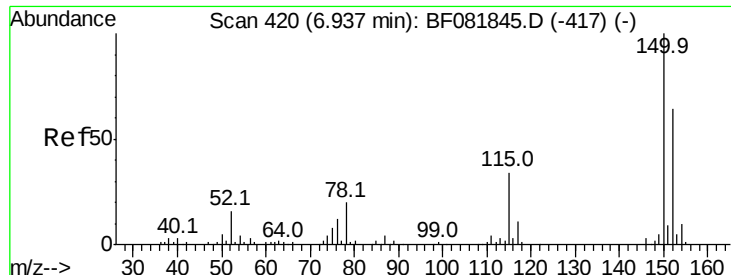
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#1

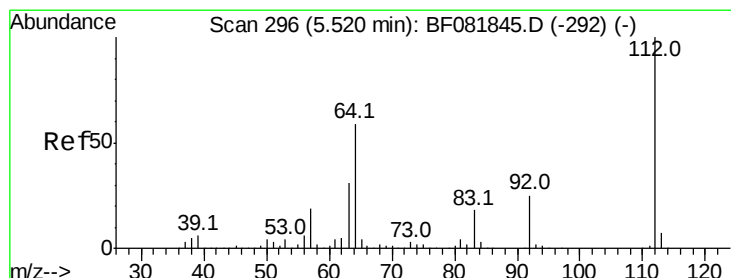
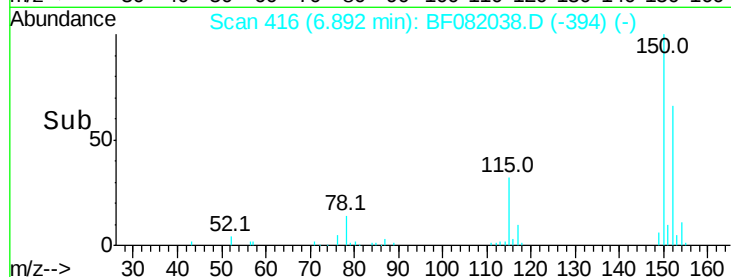
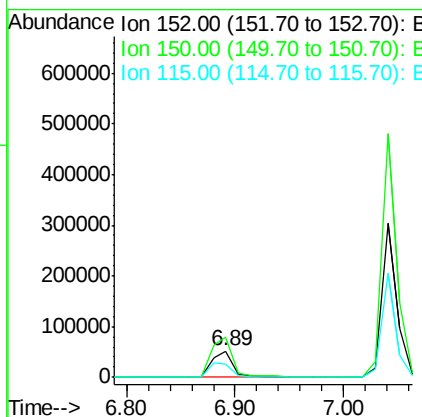
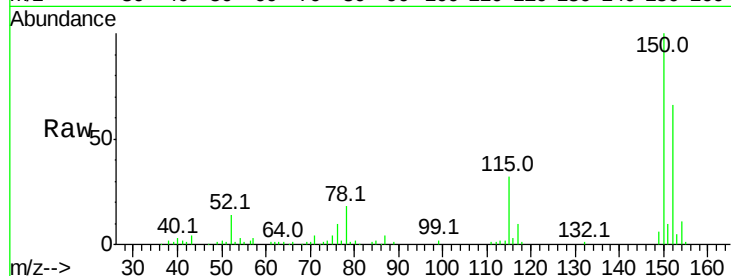
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. -0.05 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Instrument :
BNA_F
ClientSampleId :
SB-06-3.0-3.5-092915

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.7	187.1
115	48.0	39.0	58.4

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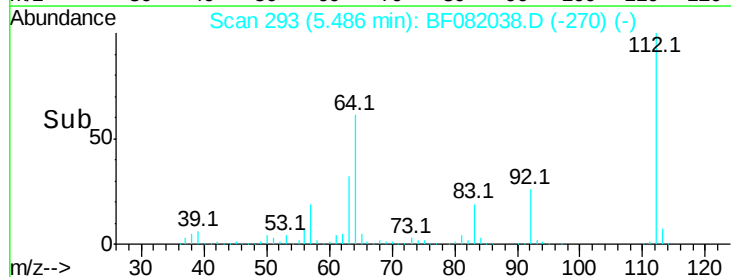
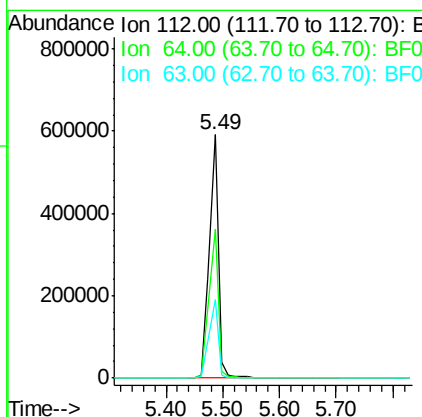
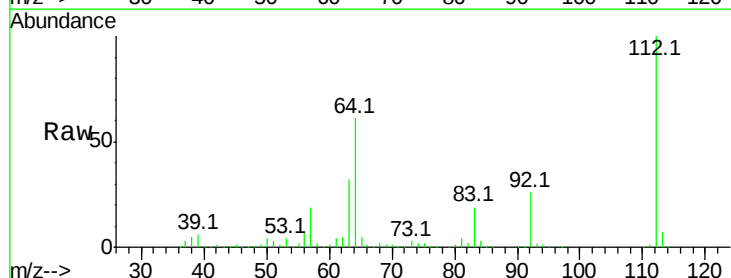
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#5

2-Fluorophenol
Concen: 155.19 ng
RT: 5.49 min Scan# 293
Delta R.T. -0.03 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	39.7	59.5#
63	32.1	17.4	26.0#





#7

Phenol-d6

Concen: 145.50 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

ClientSampleId :

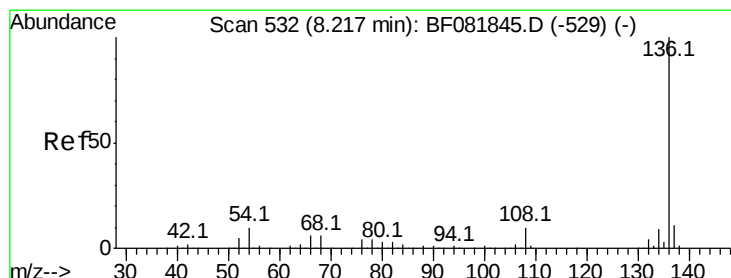
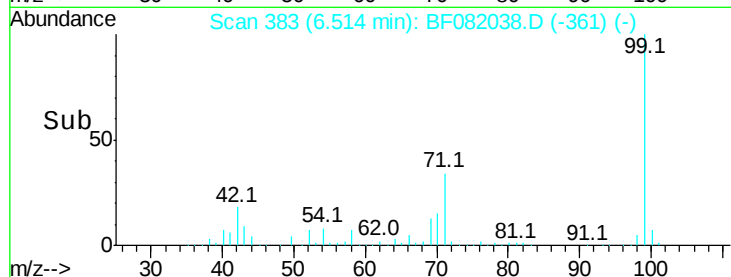
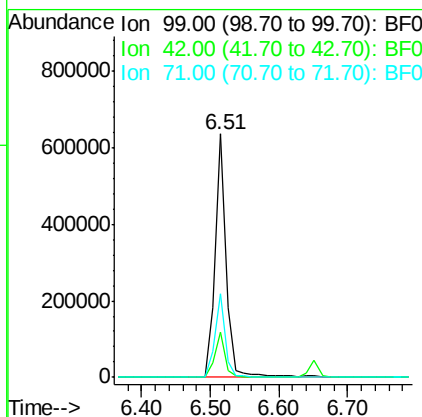
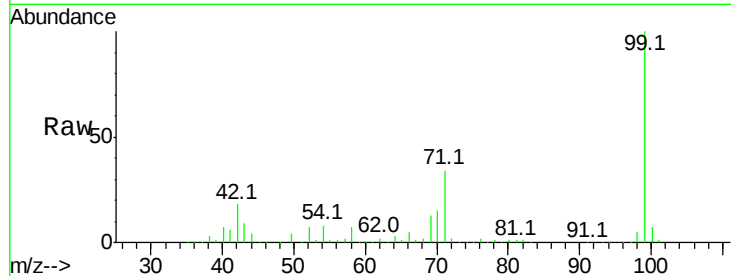
SB-06-3.0-3.5-092915

Tot Ion: 99 Resp: 740555

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.7	20.5
71	34.4	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

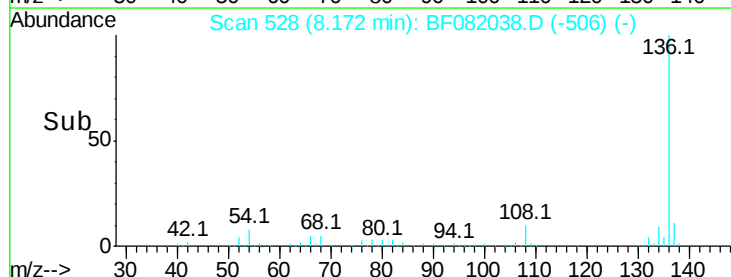
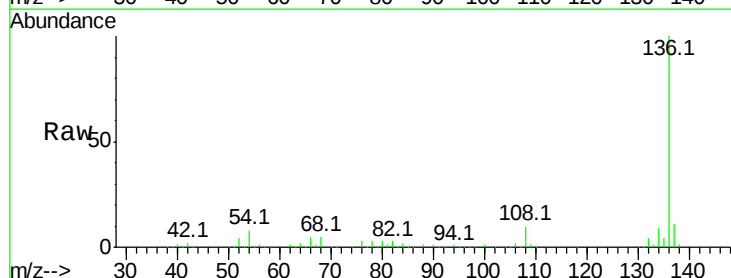
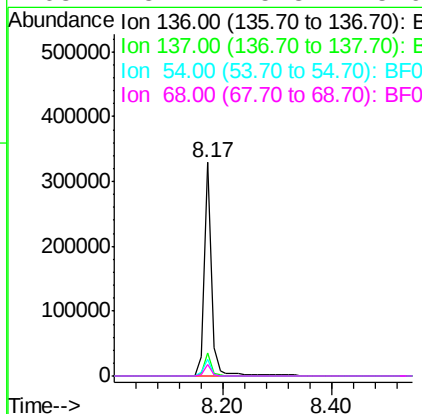
Delta R.T. -0.05 min

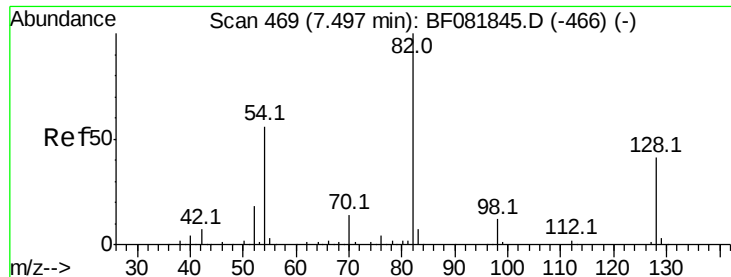
Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion: 136 Resp: 305052

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.7	8.2	12.2#
68	5.2	5.8	8.6#





#23

Nitrobenzene-d5

Concen: 102.01 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

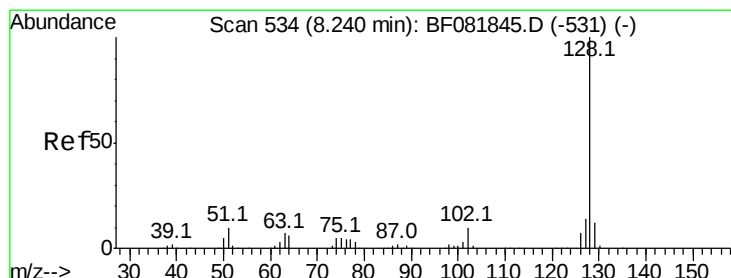
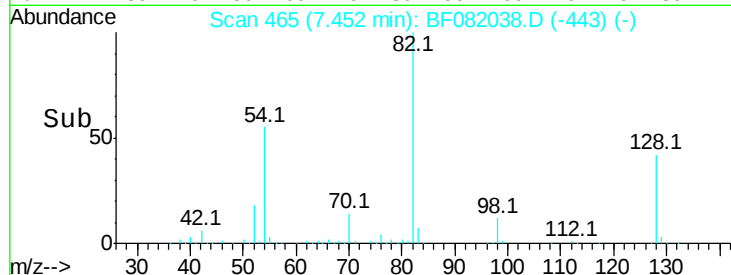
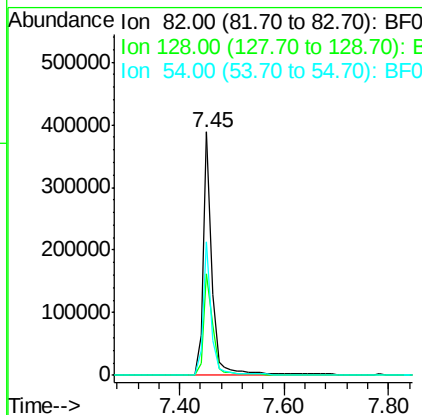
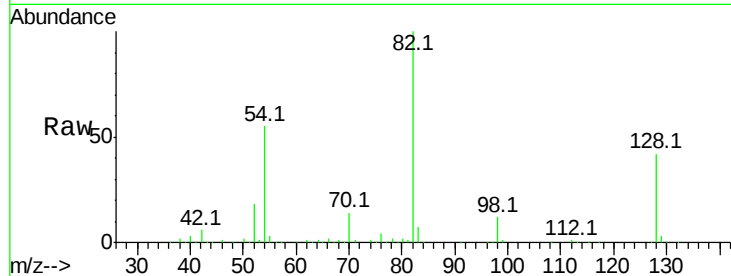
ClientSampleId :

SB-06-3.0-3.5-092915

Tot Ion:	82	Resp:	466814
Ion Ratio	Lower	Upper	
82	100		
128	41.7	51.0	76.6#
54	54.9	47.5	71.3

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#31

Naphthalene

Concen: 2.66 ng

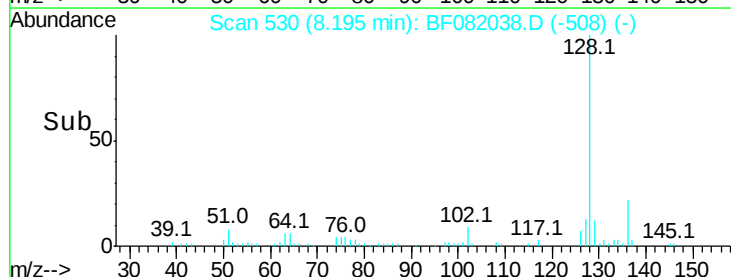
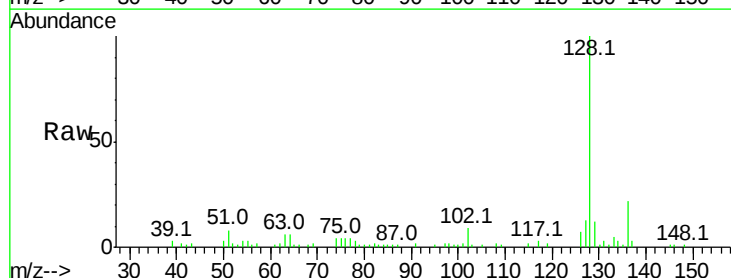
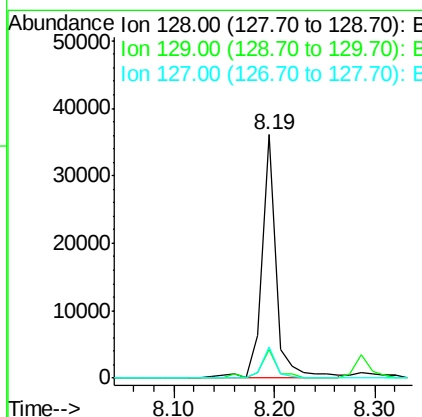
RT: 8.19 min Scan# 530

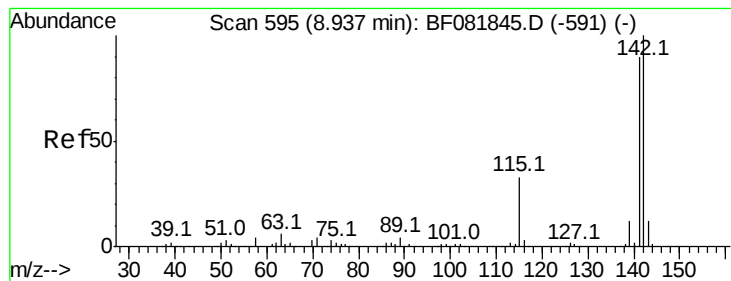
Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	128	Resp:	35888
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.4	12.6
127	12.6	9.9	14.9





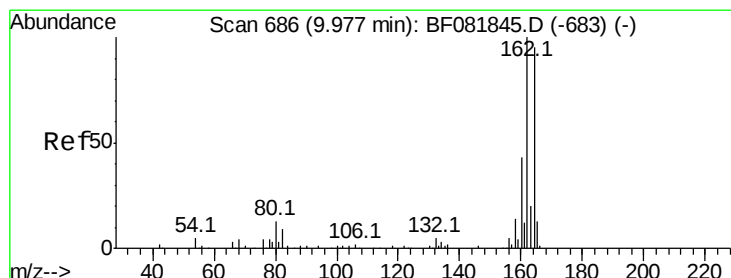
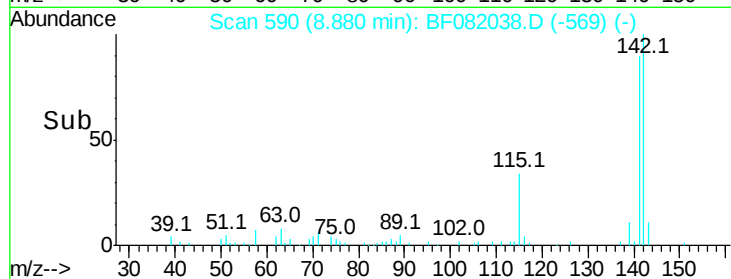
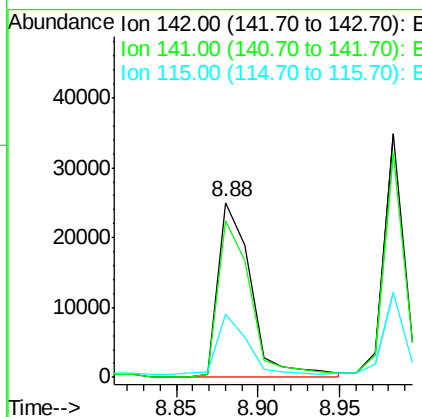
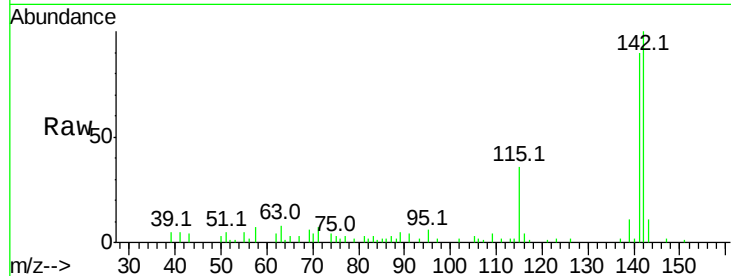
#37
2-Methylnaphthalene
Concen: 3.82 ng
RT: 8.88 min Scan# 590
Delta R.T. -0.06 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Instrument :
BNA_F
ClientSampleId :
SB-06-3.0-3.5-092915

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	67.5	101.3
115	36.2	18.2	27.2

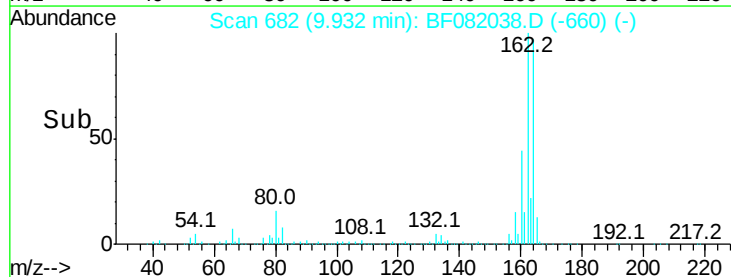
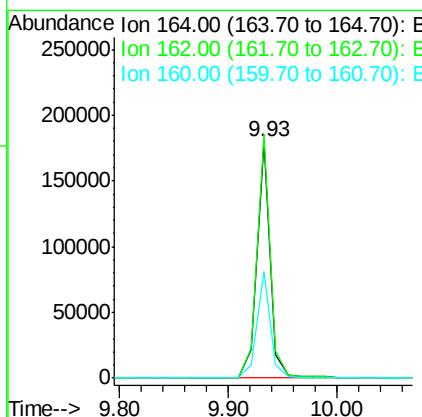
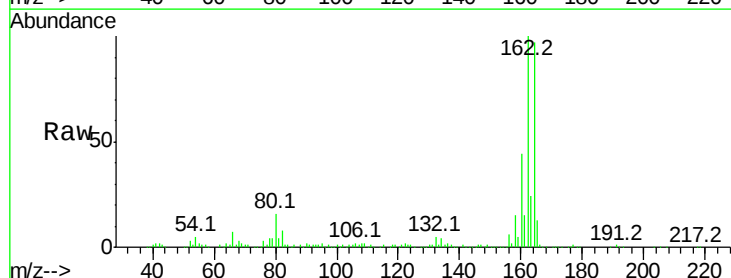
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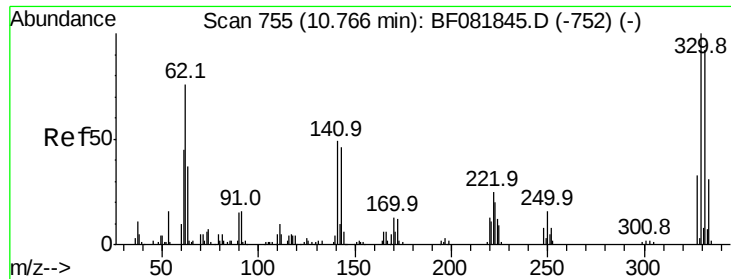
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

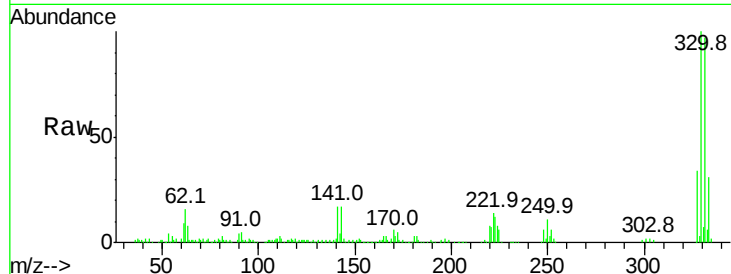
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	75.2	112.8
160	45.0	31.5	47.3





#41
 2,4,6-Tribromophenol
 Concen: 148.18 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF082038.D
 Acq: 3 Oct 2015 23:24

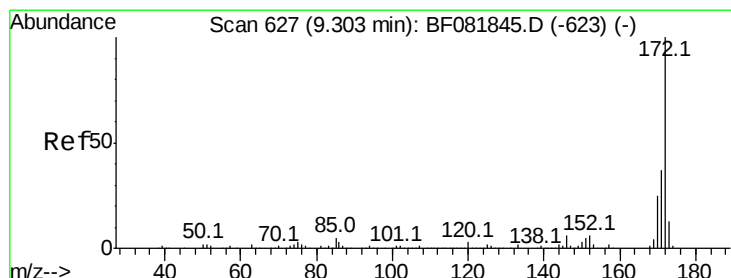
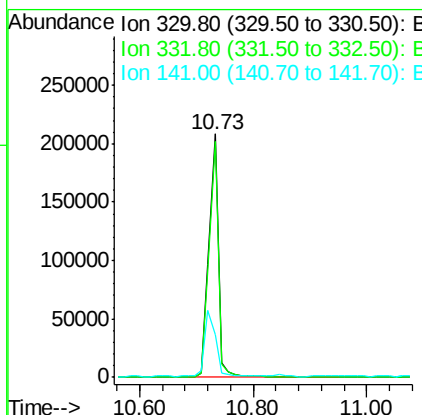
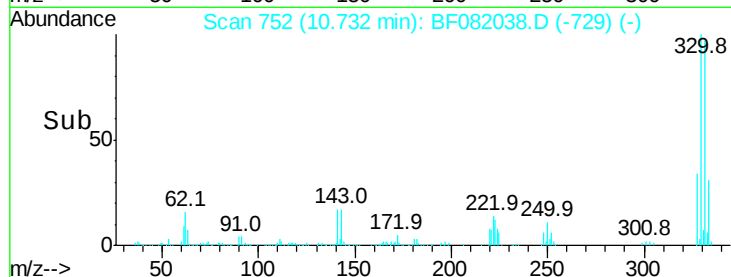
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3.0-3.5-092915



Tot Ion	Ratio	Resp	Lower	Upper
330	100	234625		
332	95.9	76.6	114.8	
141	30.7	29.7	44.5	

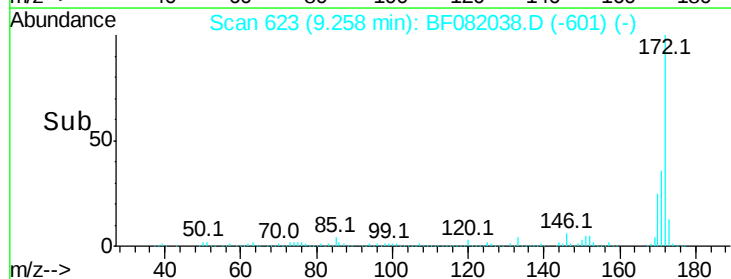
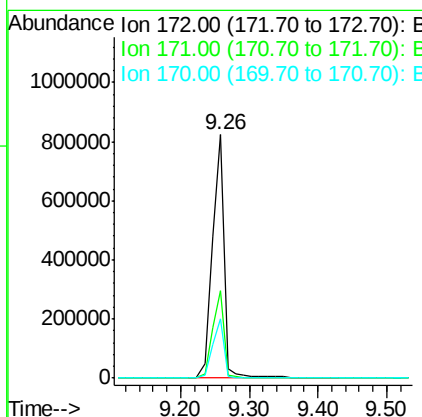
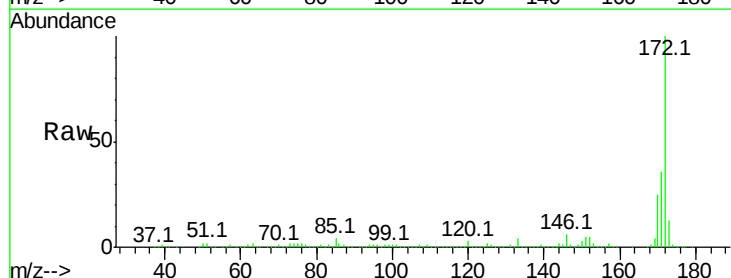
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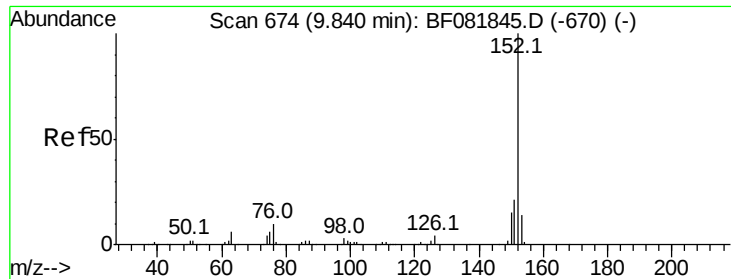
MMDADODA
 10/5/2015 6:27:29 PM



#44
 2-Fluorobiphenyl
 Concen: 113.62 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF082038.D
 Acq: 3 Oct 2015 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	993202		
171	35.9	26.1	39.1	
170	24.5	17.4	26.2	





#48

Acenaphthylene

Concen: 3.21 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

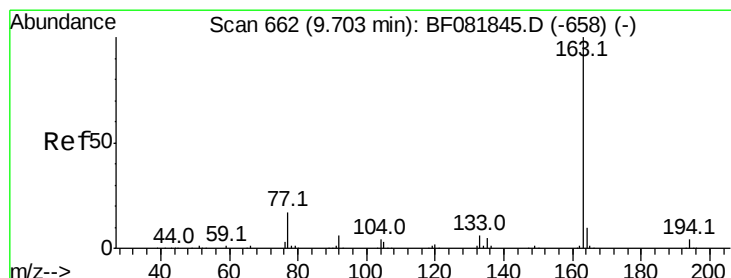
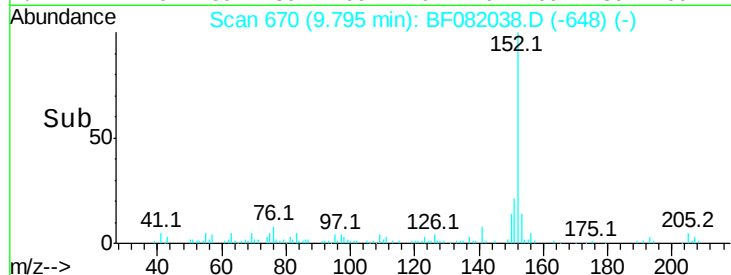
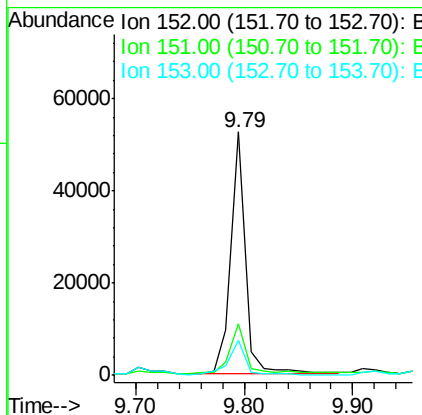
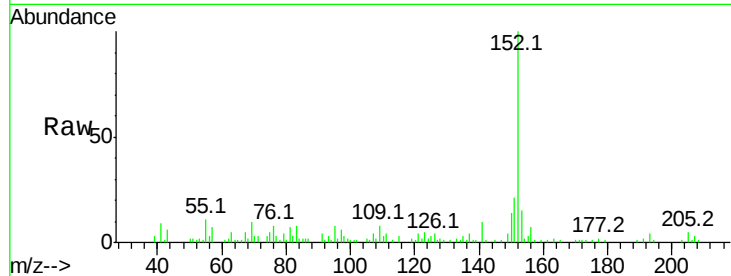
ClientSampleId :

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Tot Ion:	152	Resp:	48616
Ion Ratio	Lower	Upper	
152	100		
151	21.5	14.6	22.0
153	14.5	10.3	15.5

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#49

Dimethylphthalate

Concen: 16.17 ng

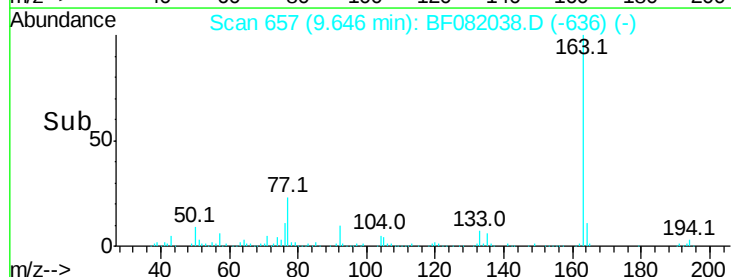
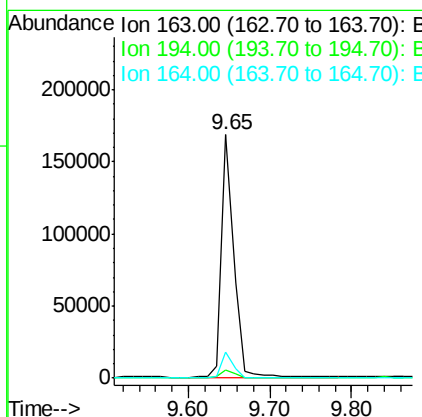
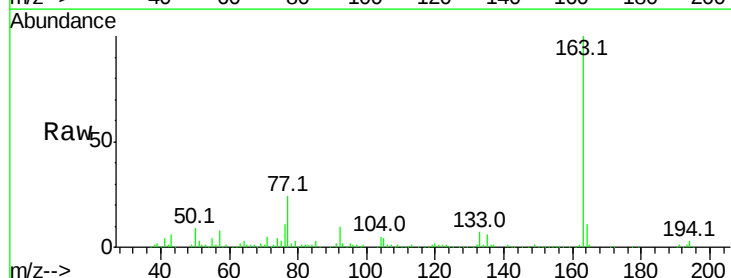
RT: 9.65 min Scan# 657

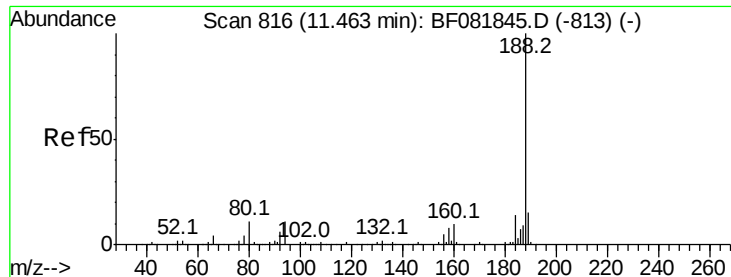
Delta R.T. -0.06 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	163	Resp:	174534
Ion Ratio	Lower	Upper	
163	100		
194	3.3	4.4	6.6#
164	10.8	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

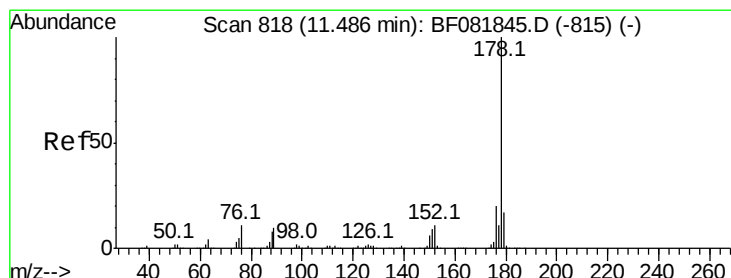
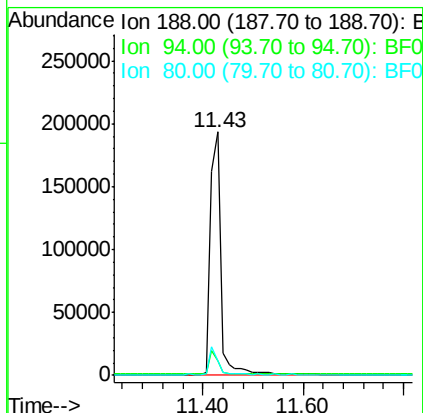
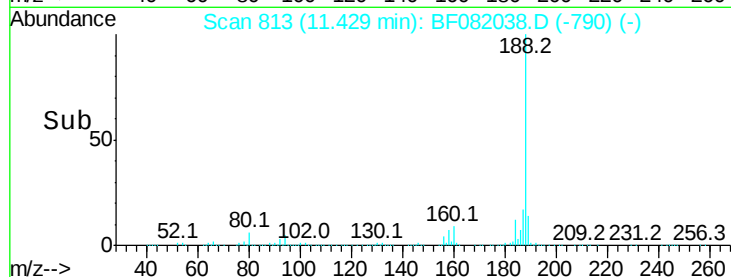
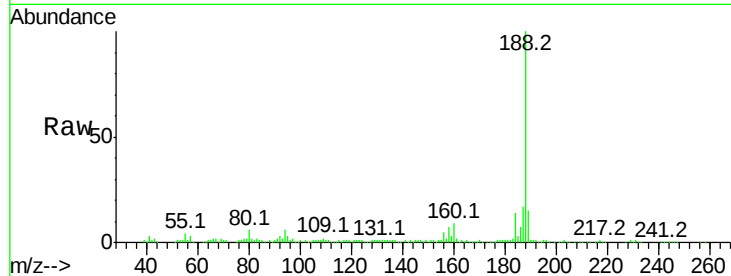
ClientSampleId :

SB-06-3.0-3.5-092915

Tot Ion:	188	Resp:	282620
Ion Ratio	Lower	Upper	
188	100		
94	6.0	11.1	16.7#
80	6.0	11.0	16.4#

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#70

Phenanthrene

Concen: 4.01 ng

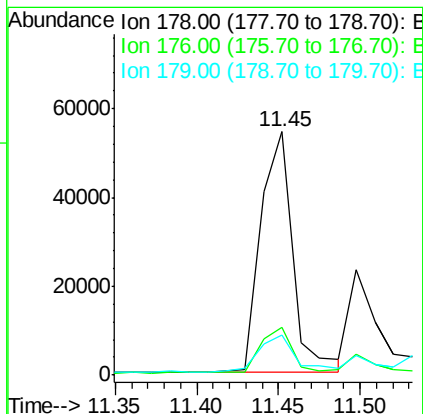
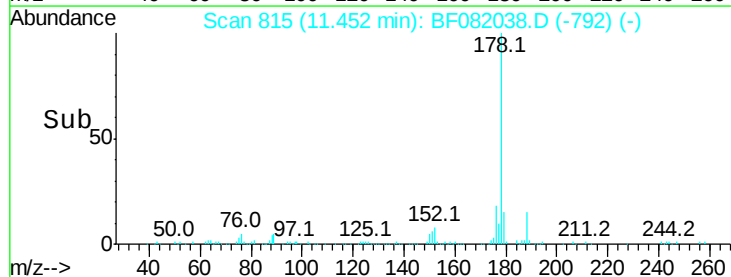
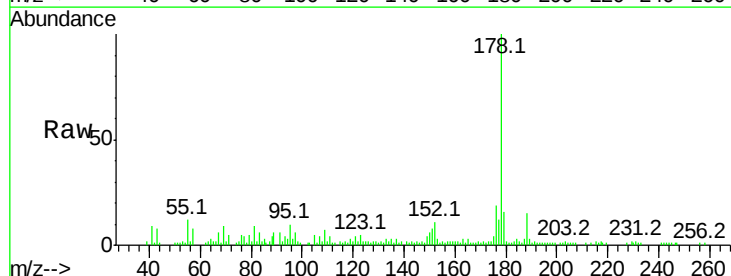
RT: 11.45 min Scan# 815

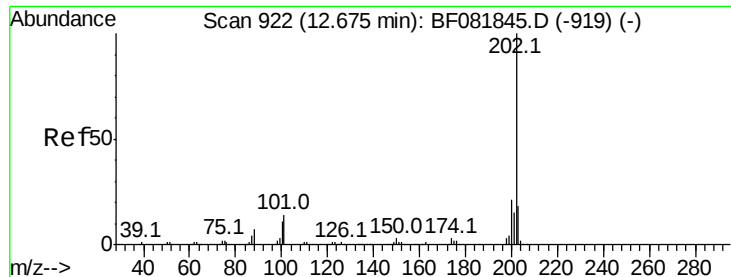
Delta R.T. -0.03 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	178	Resp:	75140
Ion Ratio	Lower	Upper	
178	100		
176	19.4	13.8	20.8
179	16.3	12.2	18.2





#74

Fluoranthene

Concen: 10.20 ng

RT: 12.64 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

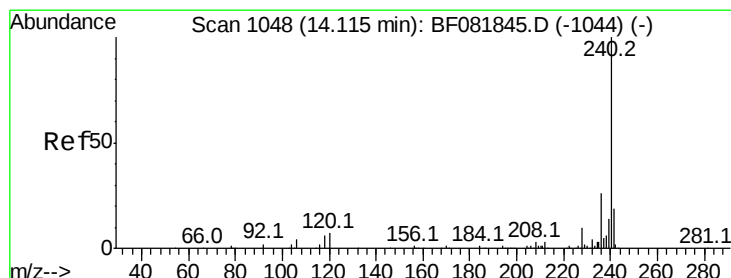
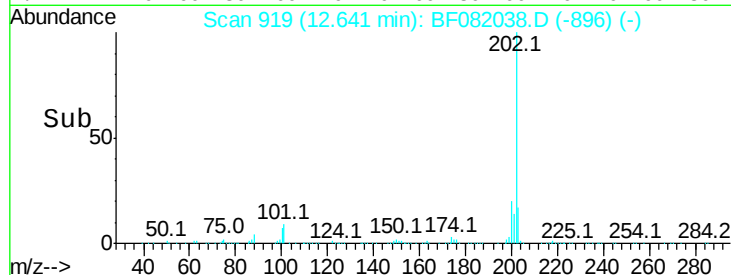
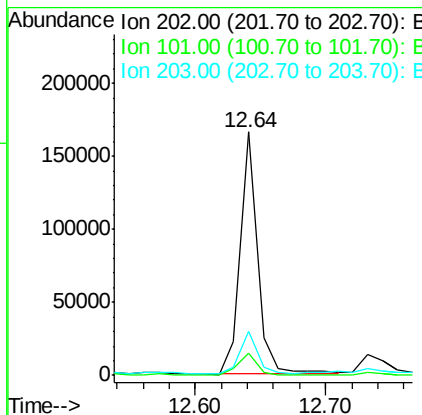
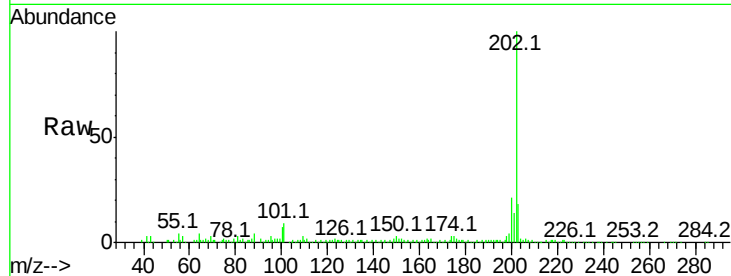
ClientSampleId :

SB-06-3.0-3.5-092915

Tot Ion:	202	Resp:	154489
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	38.3
203	17.8	0.0	37.3

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#75

Chrysene-d12

Concen: 20.00 ng

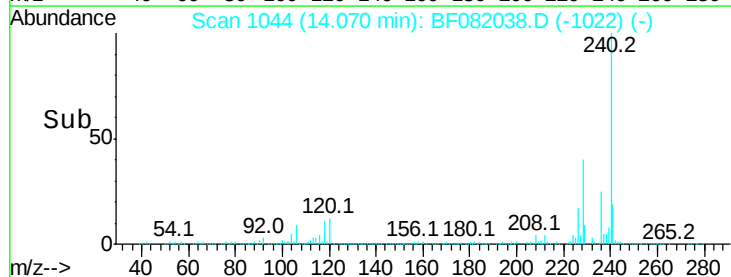
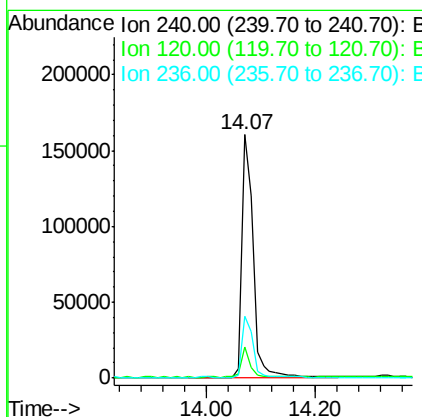
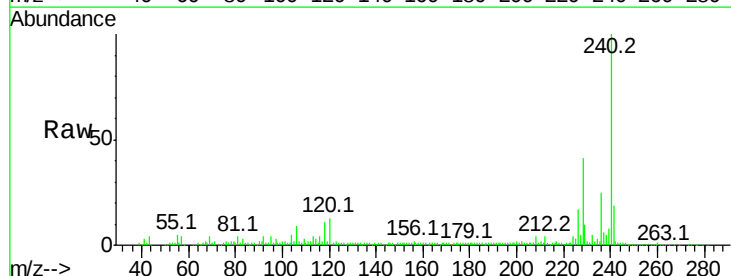
RT: 14.07 min Scan# 1044

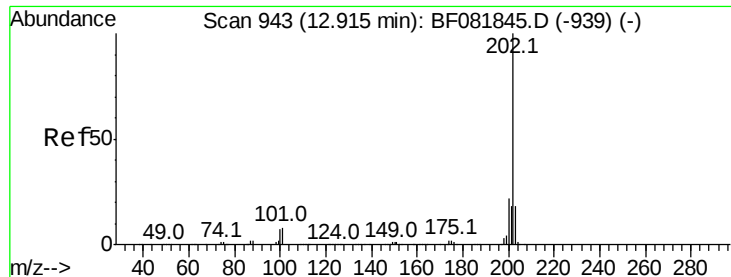
Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	240	Resp:	230671
Ion Ratio	Lower	Upper	
240	100		
120	12.9	16.2	24.2#
236	25.4	18.4	27.6





#77

Pvrene

Concen: 11.64 ng

RT: 12.87 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

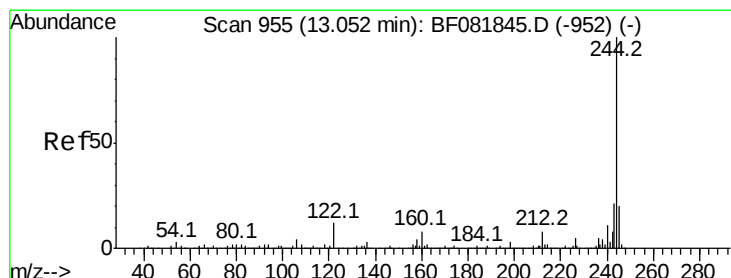
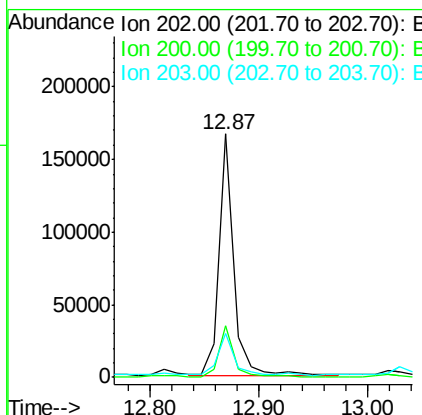
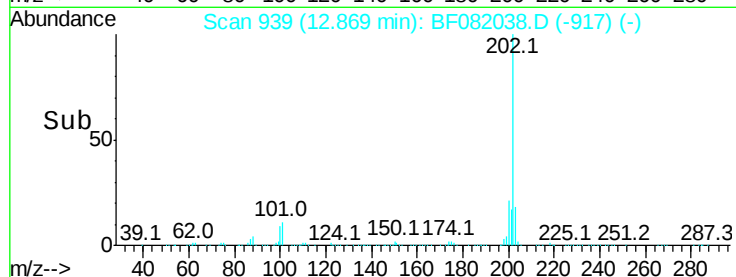
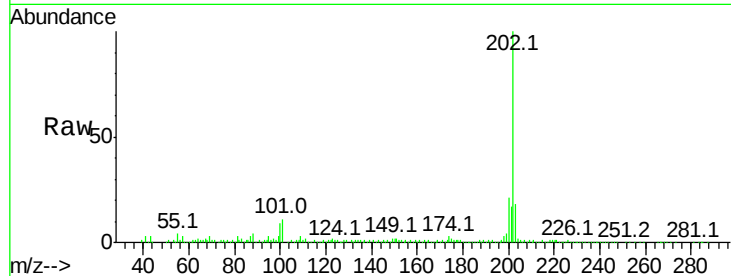
ClientSampleId :

SB-06-3.0-3.5-092915

Tot Ion:	202	Resp:	160403
Ion Ratio		Lower	Upper
202	100		
200	20.9	15.0	22.4
203	18.2	14.1	21.1

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#78

Terphenyl-d14

Concen: 161.77 ng

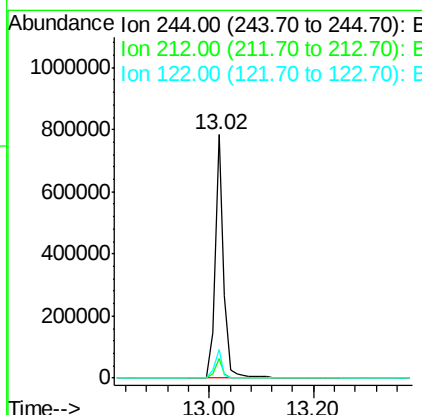
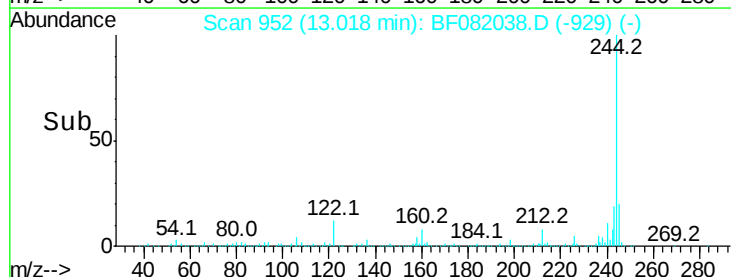
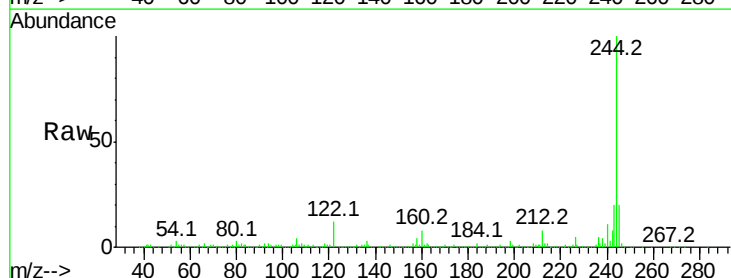
RT: 13.02 min Scan# 952

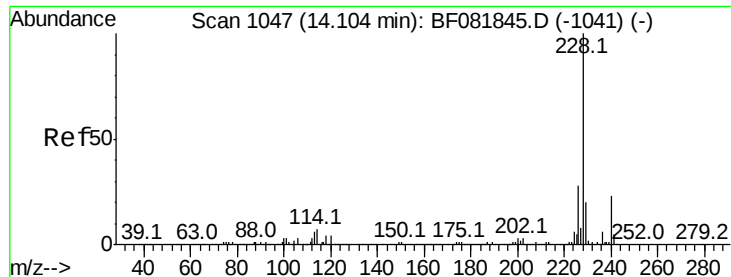
Delta R.T. -0.03 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	244	Resp:	880325
Ion Ratio		Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	11.8	17.4	26.2#





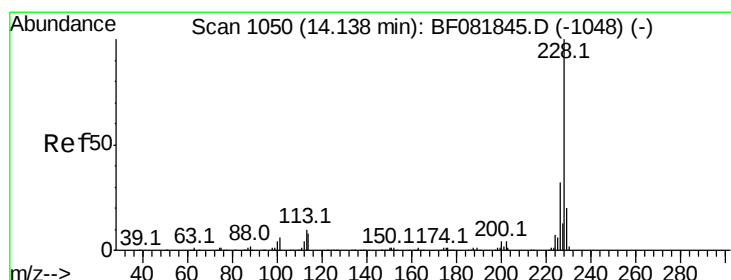
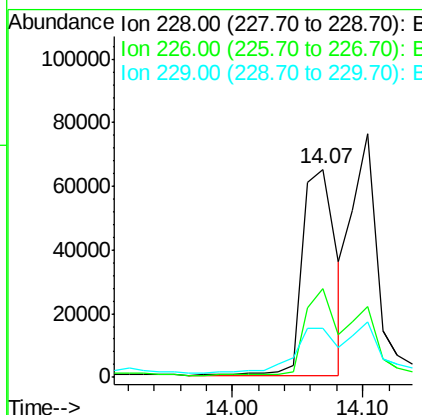
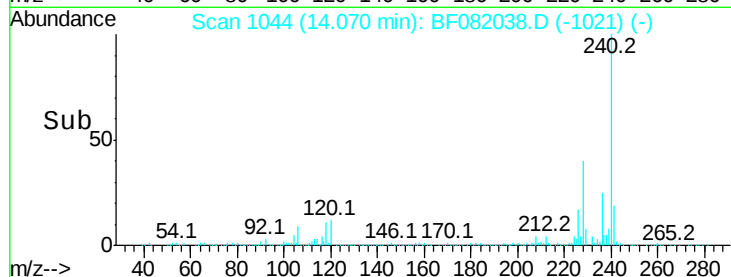
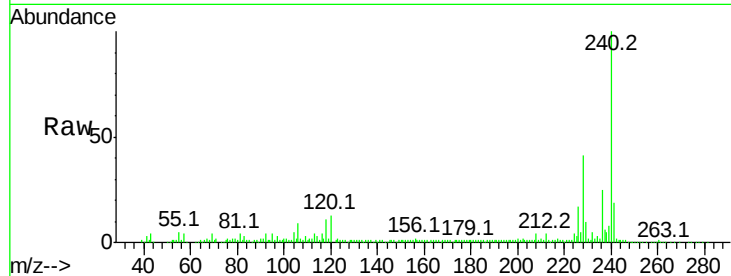
#80
Benzo(a)anthracene
Concen: 9.24 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Instrument :
BNA_F
ClientSampleId :
SB-06-3.0-3.5-092915

Tot Ion	Ratio	Lower	Upper
228	100		
226	42.8	20.0	30.0#
229	23.7	15.4	23.2#

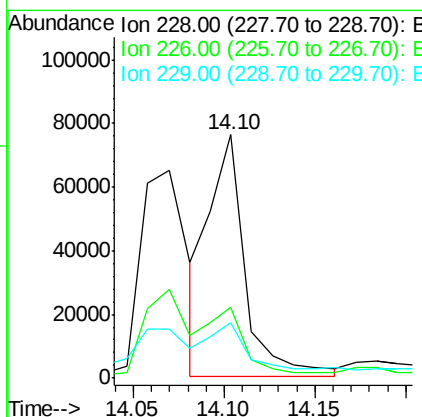
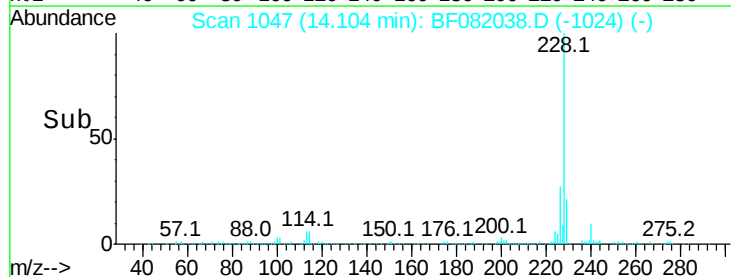
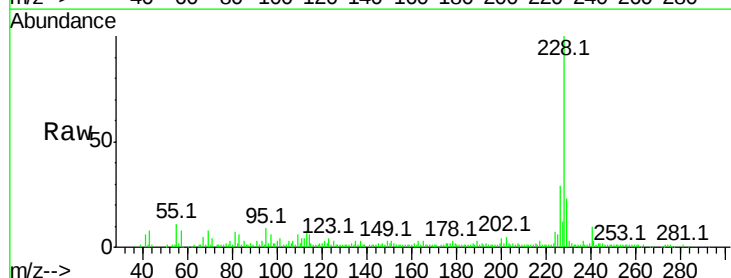
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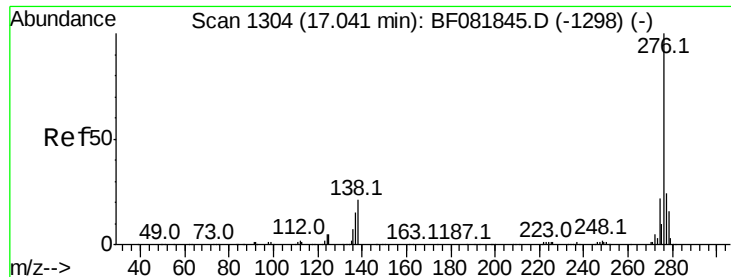
MMDADODA
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#82
Chrysene
Concen: 7.71 ng m
RT: 14.10 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.0	31.4
229	22.9	15.6	23.4





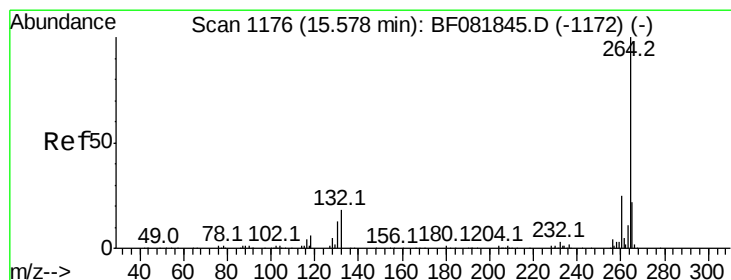
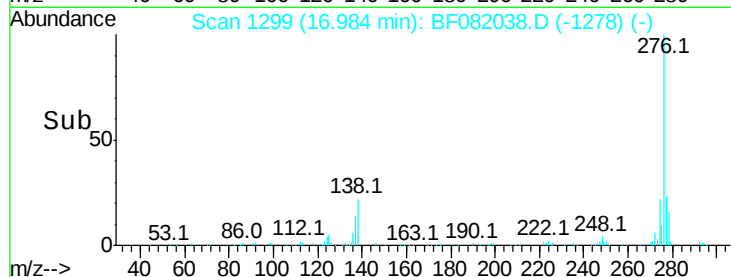
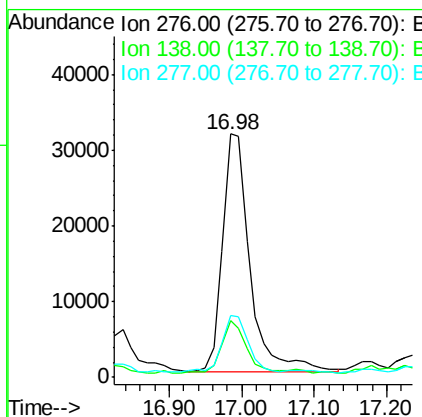
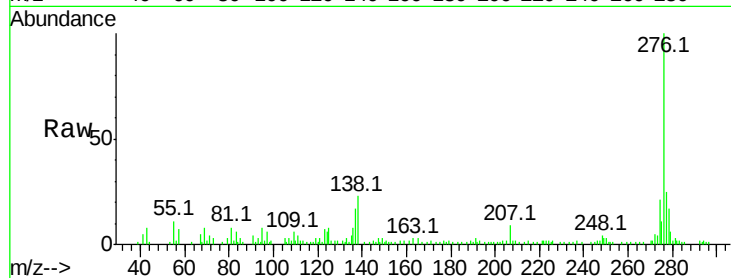
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.46 ng
RT: 16.98 min Scan# 1299
Delta R.T. -0.06 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Instrument :
BNA_F
ClientSampleId :
SB-06-3.0-3.5-092915

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.7	38.5#
277	23.1	15.6	23.4

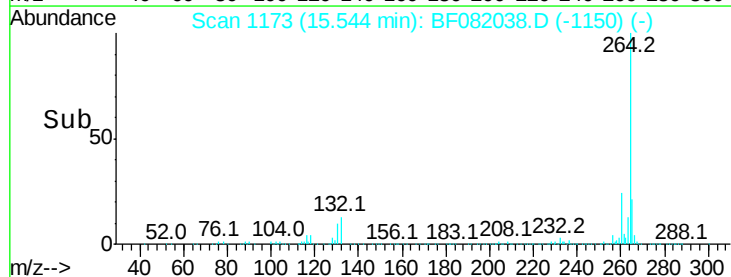
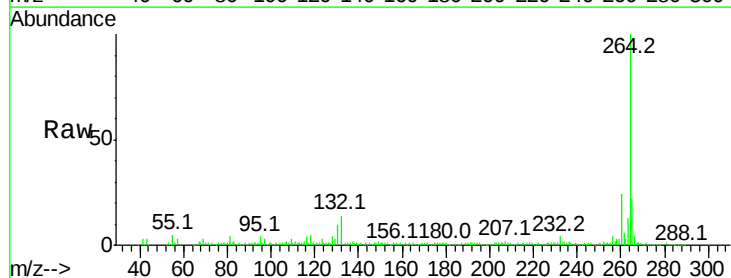
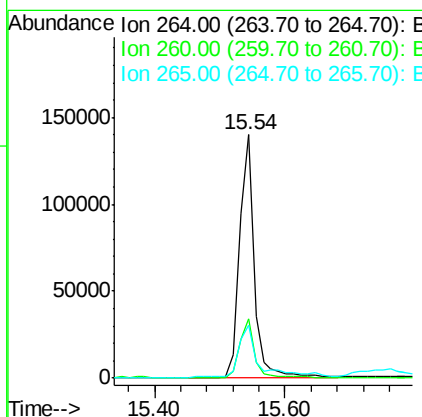
Manual Integrations
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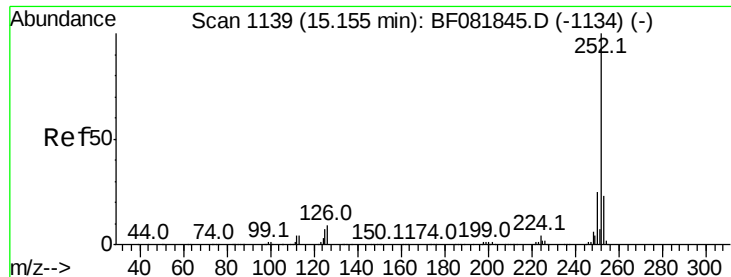
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.29 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Instrument :

BNA_F

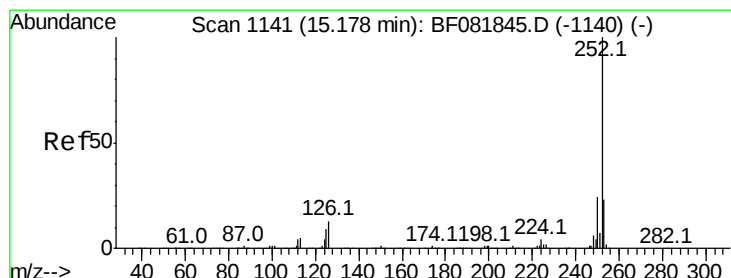
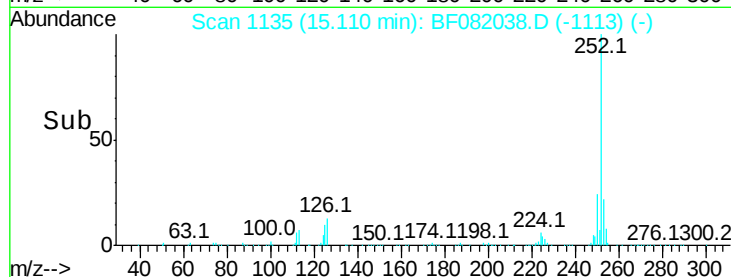
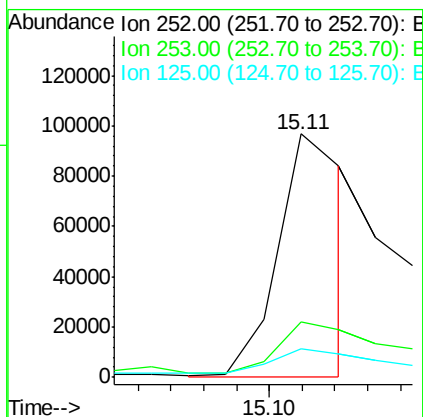
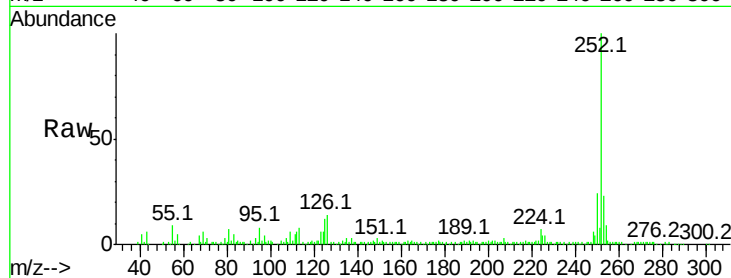
ClientSampleId :

SB-06-3.0-3.5-092915

Tot Ion:	252	Resp:	141000
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	11.7	17.1	25.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 7.85 ng m

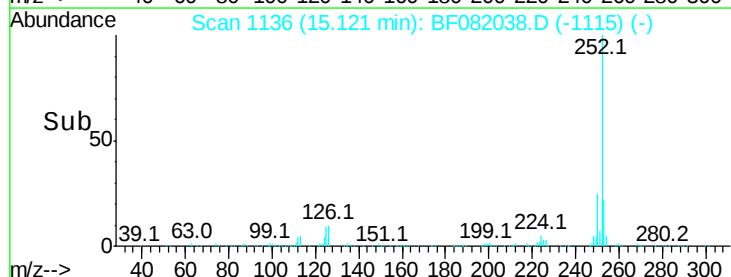
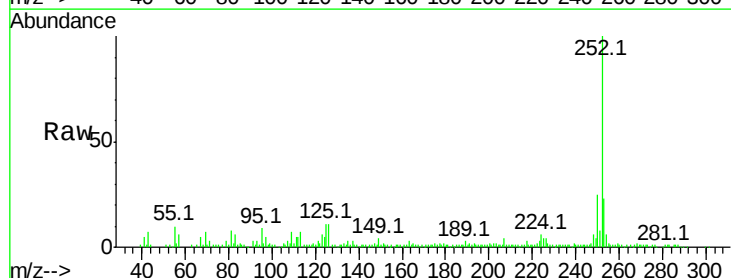
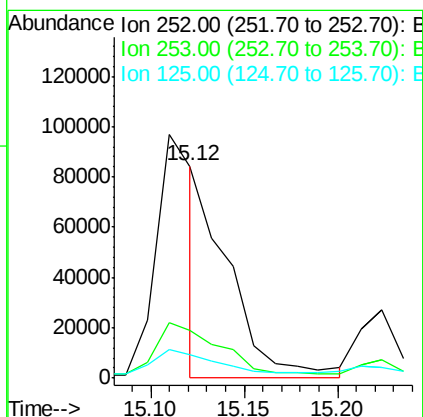
RT: 15.12 min Scan# 1136

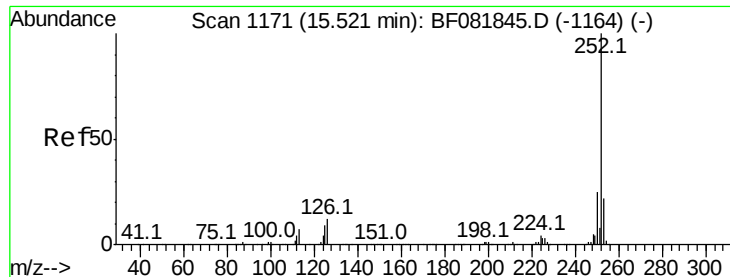
Delta R.T. -0.06 min

Lab File: BF082038.D

Acq: 3 Oct 2015 23:24

Tgt Ion:	252	Resp:	89802
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.4
125	11.3	16.0	24.0#





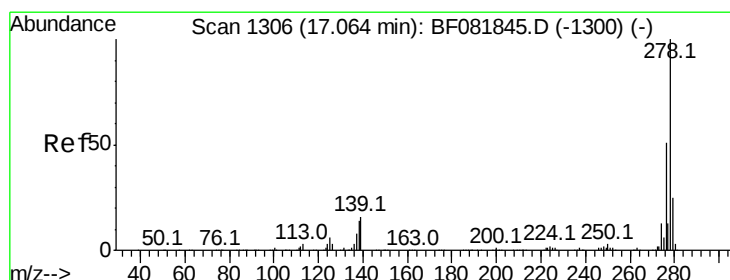
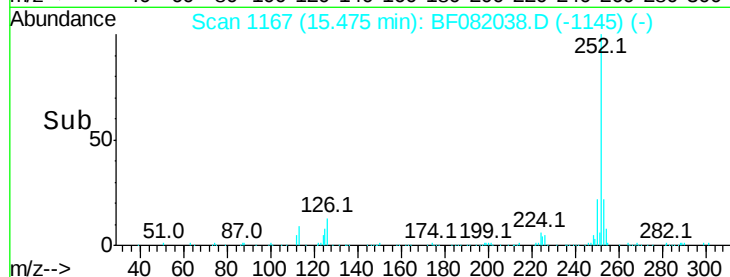
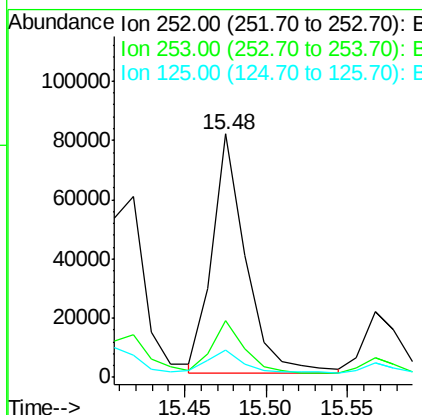
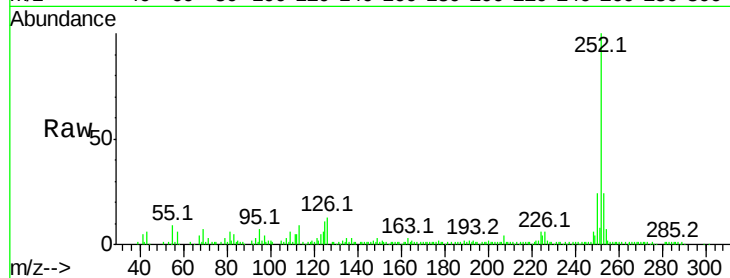
#89
Benzo(a)pyrene
Concen: 10.76 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Instrument :
BNA_F
ClientSampleId :
SB-06-3.0-3.5-092915

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.2	25.8
125	11.1	18.0	27.0

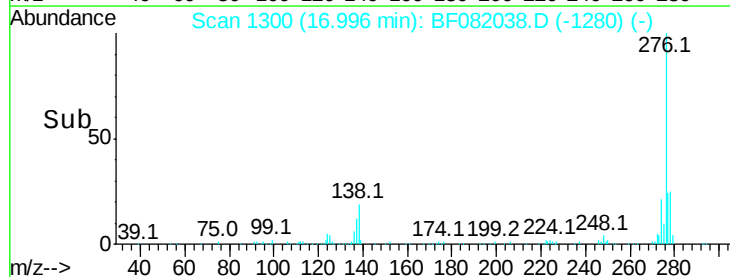
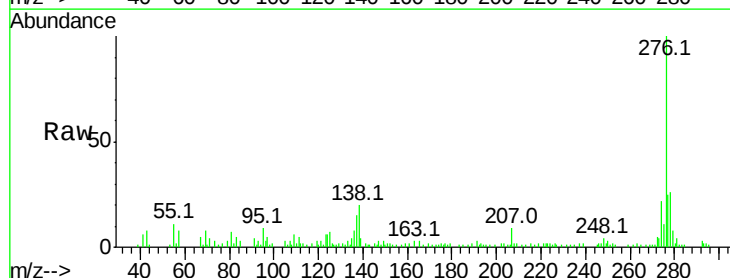
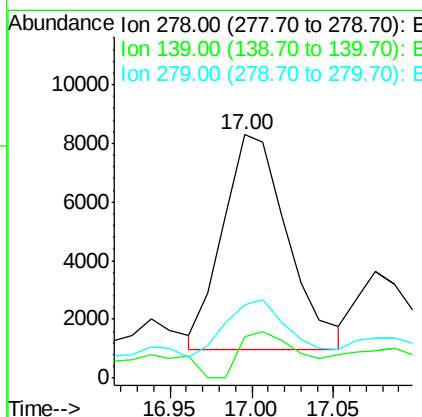
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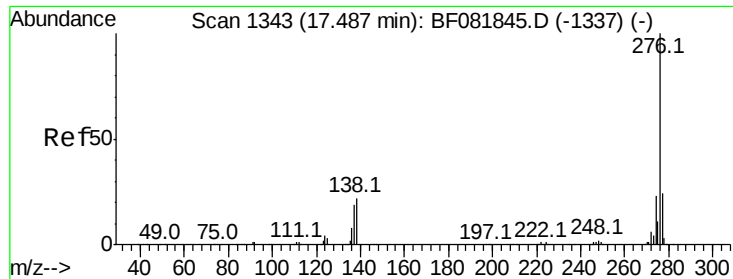
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#90
Dibenzo(a,h)anthracene
Concen: 2.22 ng m
RT: 17.00 min Scan# 1300
Delta R.T. -0.07 min
Lab File: BF082038.D
Acq: 3 Oct 2015 23:24

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	17.1	26.3	39.5
279	30.0	18.2	27.4





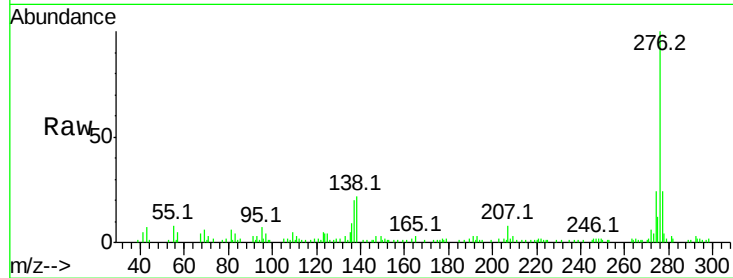
#91
 Benzo(a,h,i)perylene
 Concen: 8.51 ng
 RT: 17.43 min Scan# 1338
 Delta R.T. -0.06 min
 Lab File: BF082038.D
 Acq: 3 Oct 2015 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3.0-3.5-092915

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.8	26.6
138	22.2	34.6	51.8

Manual Integrations
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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

