Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088768.D
Acq On : 7 Jul 2016 7:42
Operator : UM/SJ
Sample : H3849-05DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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Quant Time: Jul 07 13:35:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 01:24:07 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	85067	20.00	ng		0.00
21) Naphthalene-d8	8.03	136	305438	20.00	ng		0.00
38) Acenaphthene-d10	9.78	164	143961	20.00	ng		0.00
63) Phenanthrene-d10	11.26	188	221951	20.00	ng		0.00
75) Chrysene-d12	13.89	240	164866	20.00	ng		0.00
86) Perylene-d12	15.27	264	158036	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	132252	23.30	ng		-0.01
7) Phenol-d6	6.38	99	176653	24.09	ng		-0.01
23) Nitrobenzene-d5	7.31	82	116031	19.91	ng		-0.01
41) 2,4,6-Tribromophenol	10.57	330	27677	20.70	ng		0.00
44) 2-Fluorobiphenyl	9.11	172	189847	20.83	ng		-0.01
78) Terphenyl-d14	12.83	244	122858	16.60	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.06	128	808129	53.67	ng		99
37) 2-Methylnaphthalene	8.75	142	460933	47.54	ng	#	96
51) Acenaphthene	9.82	154	43598	4.78	ng		97
54) Dibenzofuran	9.99	168	43675	3.66	ng		94
57) Fluorene	10.33	166	43808	4.76	ng		96
70) Phenanthrene	11.28	178	123523	10.18	ng		98
71) Anthracene	11.34	178	24179m	2.00	ng		
74) Fluoranthene	12.47	202	42271	3.44	ng		96

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

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BNA_F
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F12-B1(5-11)CDL

Manual Integrations
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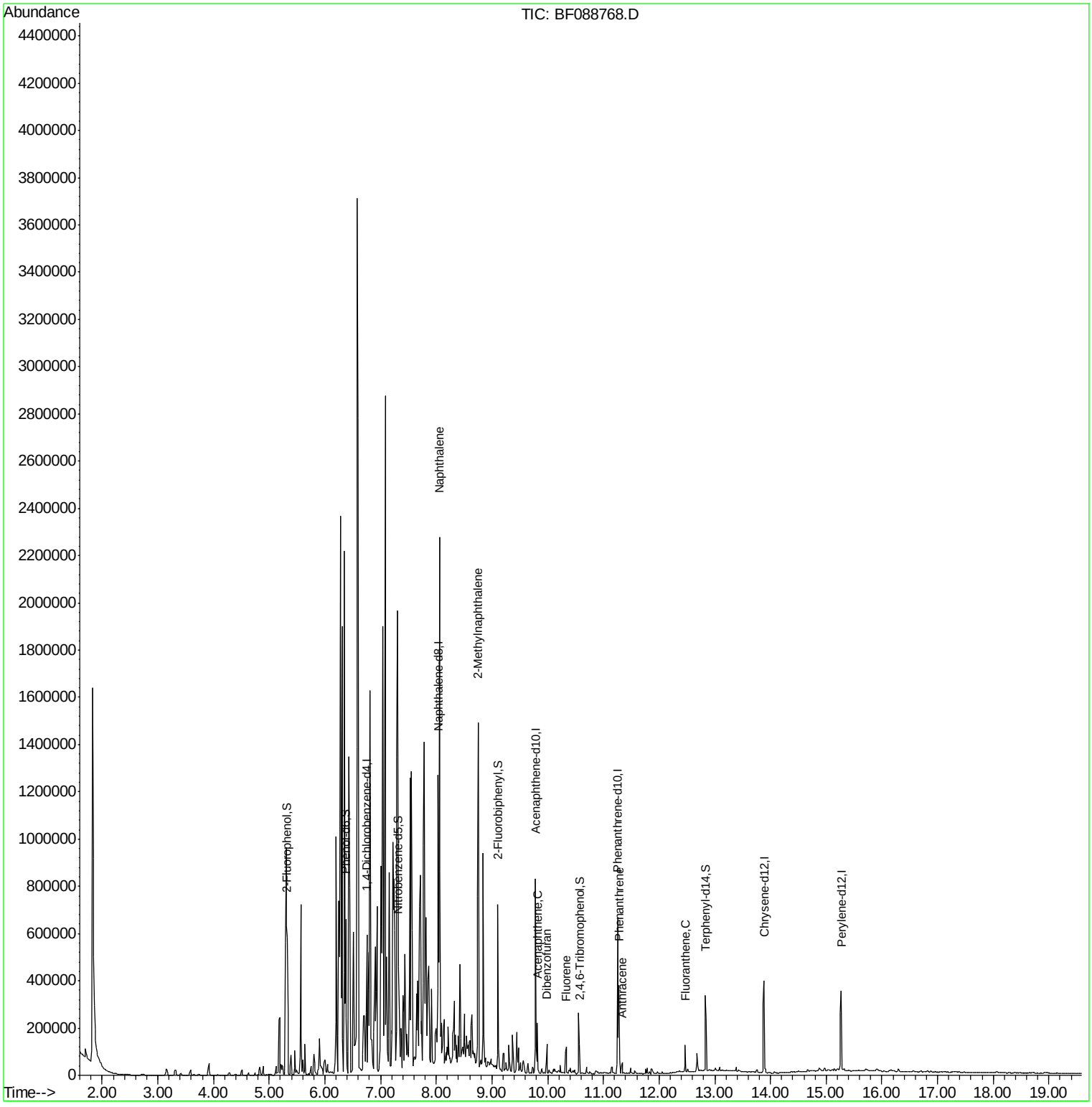
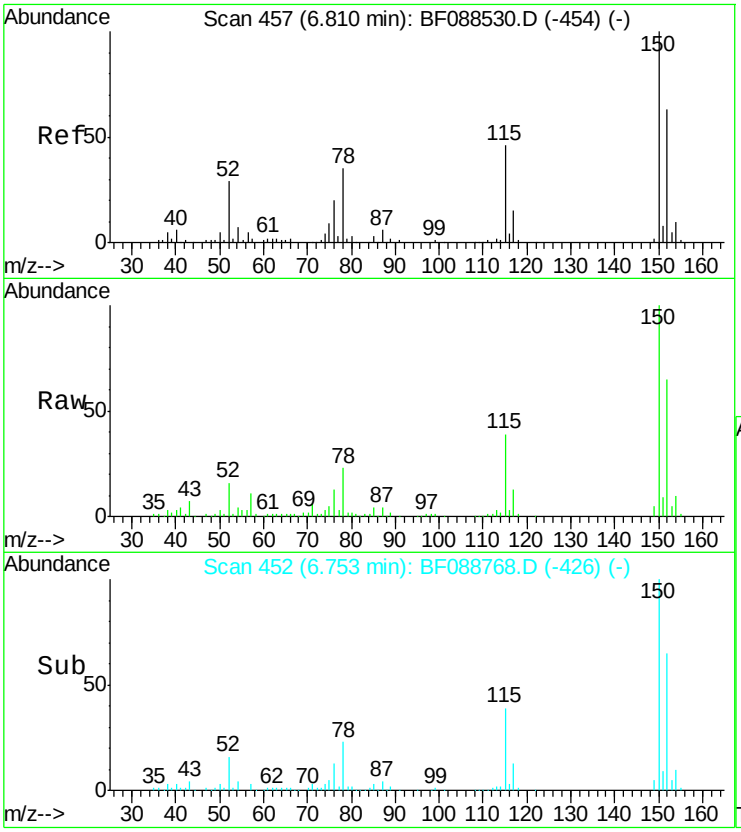
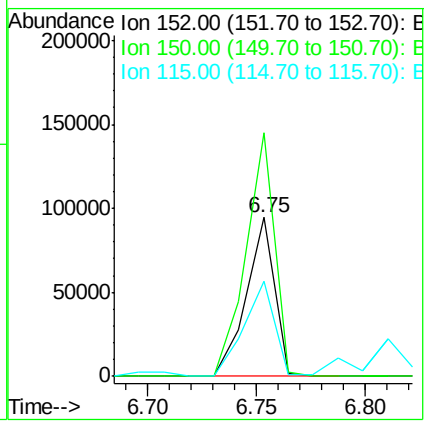




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:152 Resp: 85067

Ion	Ratio	Lower	Upper
152	100		
150	153.5	123.8	185.6
115	60.1	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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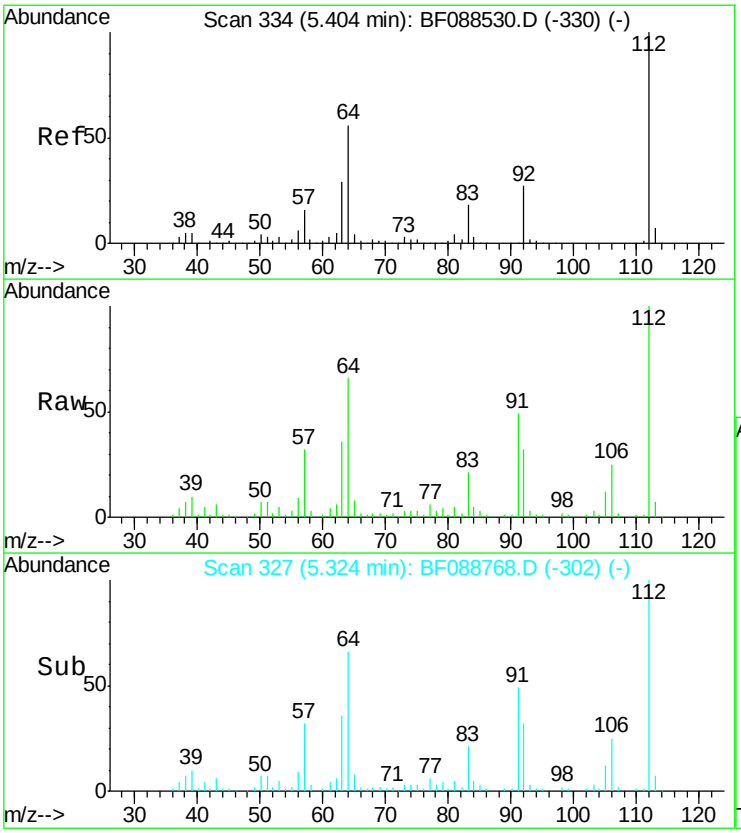
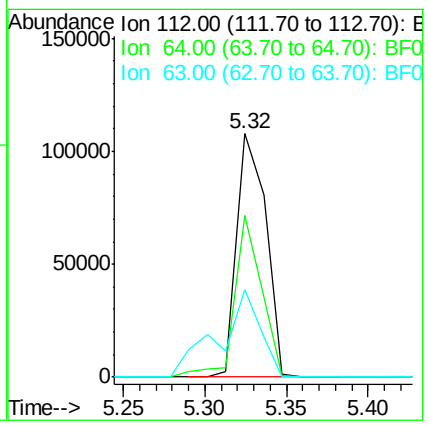
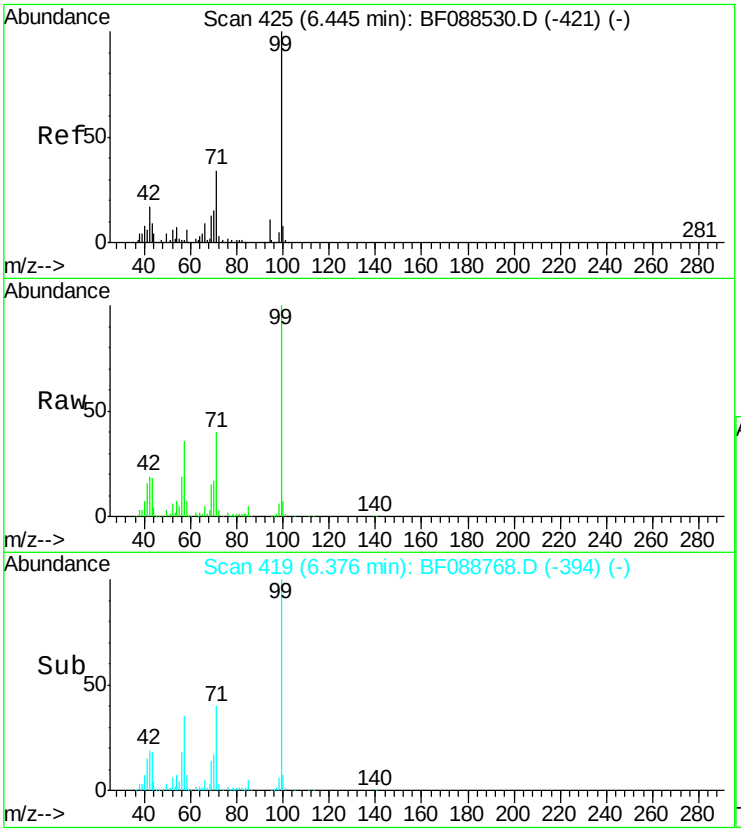


#5
2-Fluorophenol
Concen: 23.30 ng
RT: 5.32 min Scan# 327
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:112 Resp: 132252

Ion	Ratio	Lower	Upper
112	100		
64	66.4	42.2	63.2#
63	35.7	21.8	32.8#





#7
Phenol-d6
Concen: 24.09 ng
RT: 6.38 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion: 99 Resp: 176653

Ion	Ratio	Lower	Upper
99	100		
42	18.7	12.2	18.2#
71	39.9	23.4	35.0#

Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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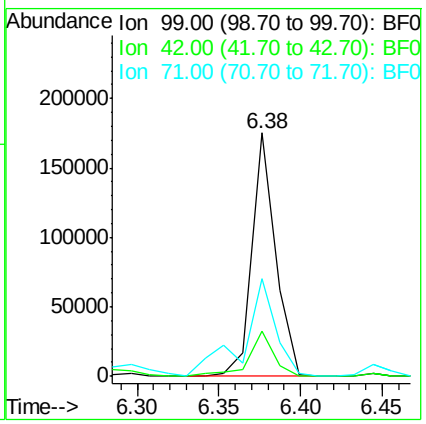
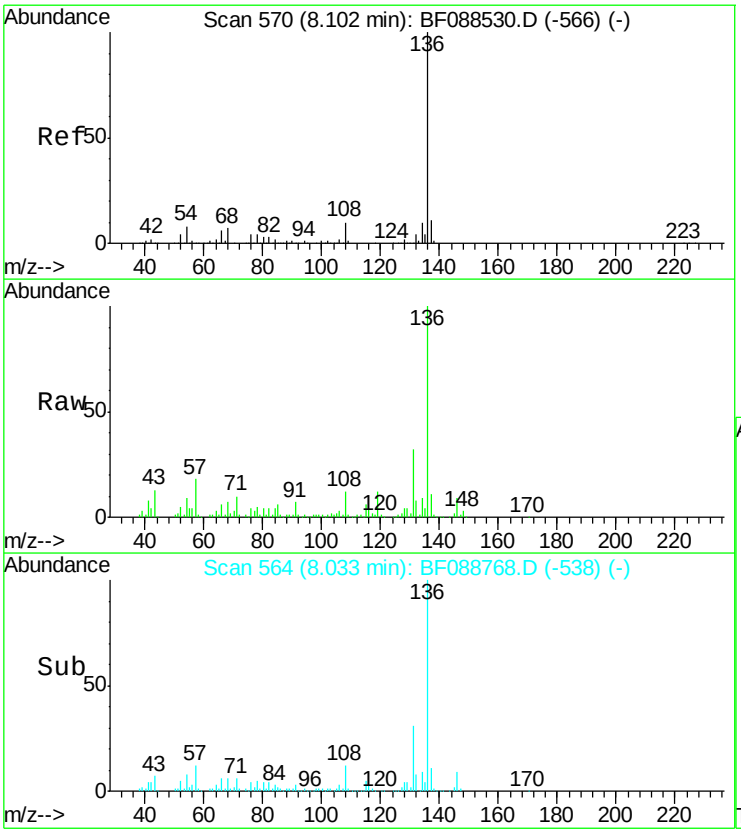
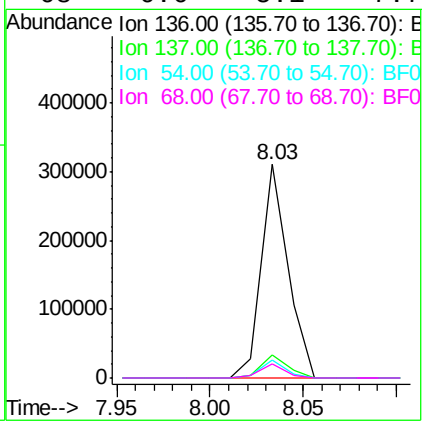


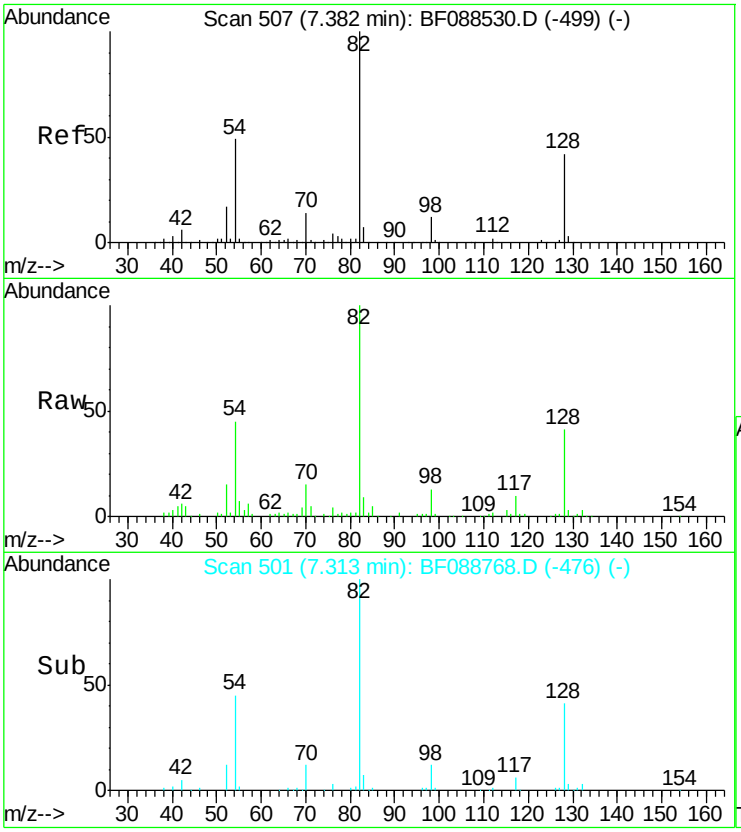


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:136 Resp: 305438

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.5	6.6	10.0
68	6.6	5.1	7.7

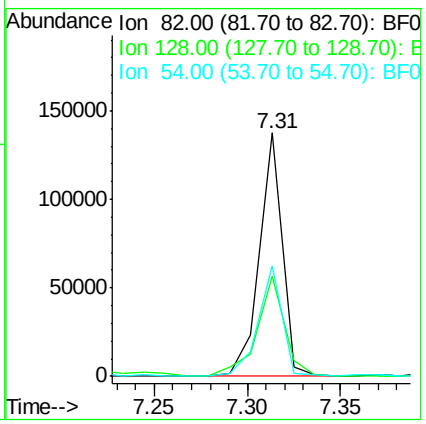




#23
Nitrobenzene-d5
Concen: 19.91 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion: 82 Resp: 116031

Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.9	53.9
54	45.2	40.9	61.3



Instrument :
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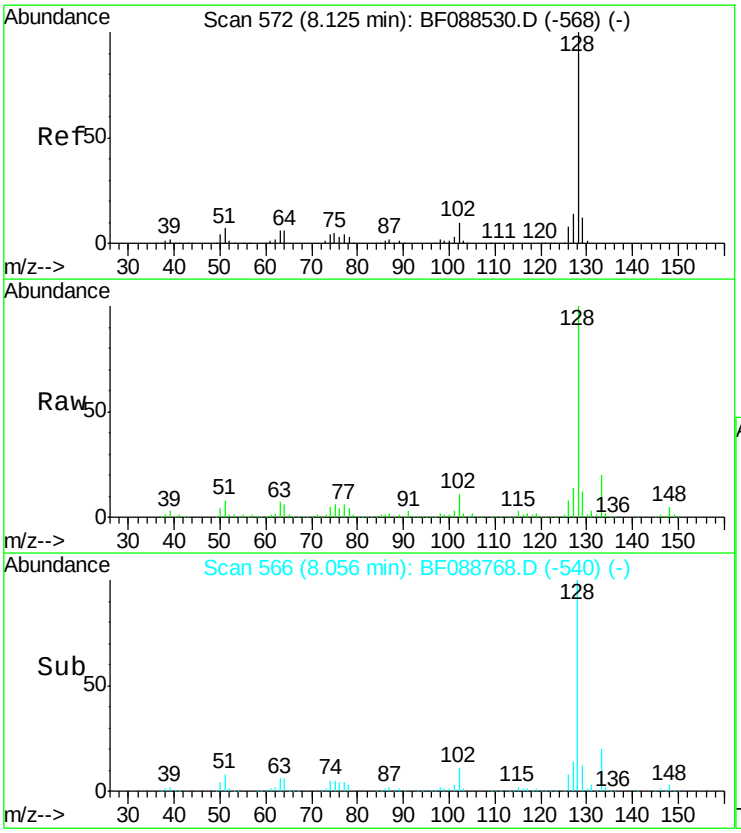
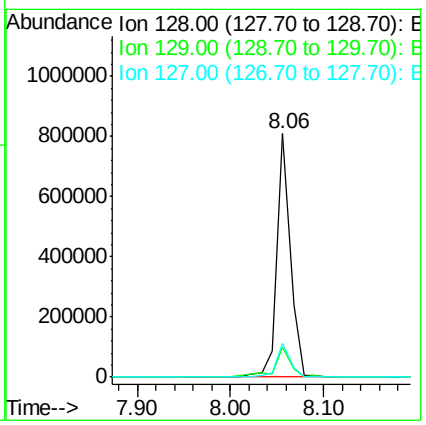
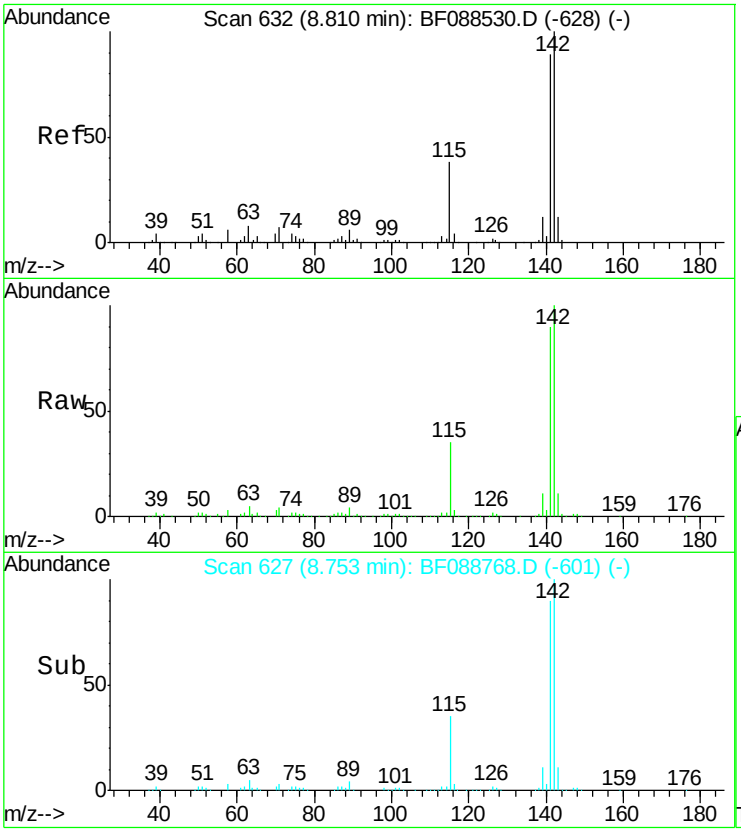


#31
Naphthalene
Concen: 53.67 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:128 Resp: 808129

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.4	14.2
127	13.8	10.9	16.3

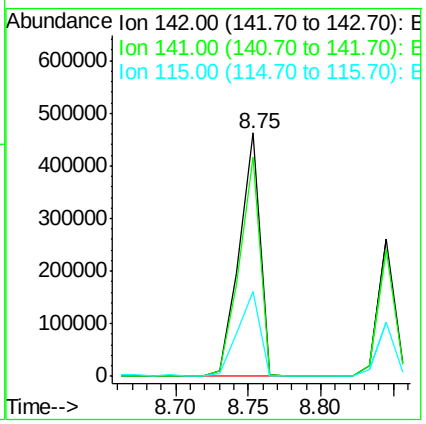




#37
2-Methylnaphthalene
Concen: 47.54 ng
RT: 8.75 min Scan# 627
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:142 Resp: 460933

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.0	106.6
115	34.9	22.6	33.8#



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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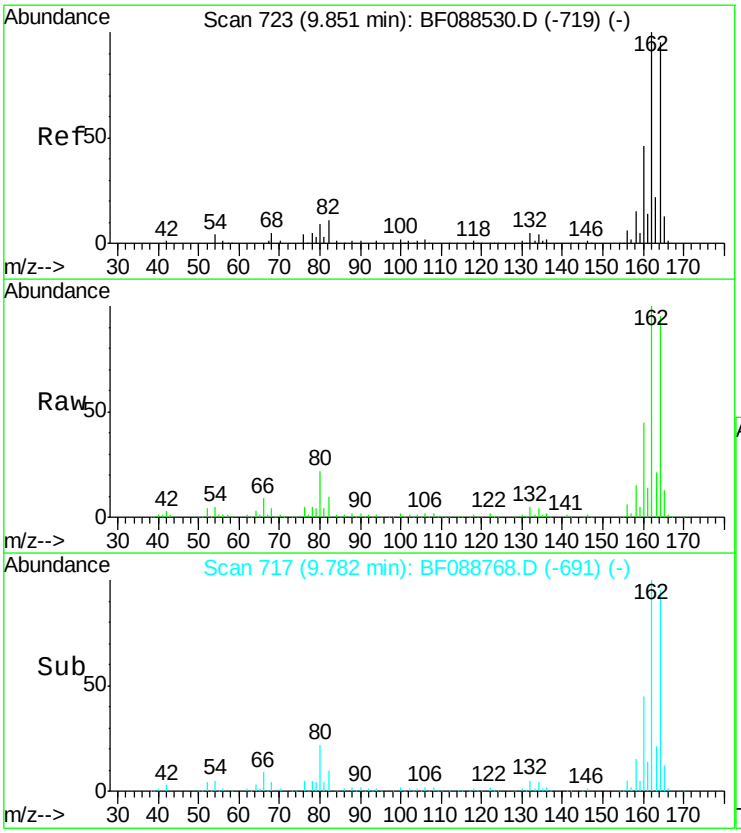
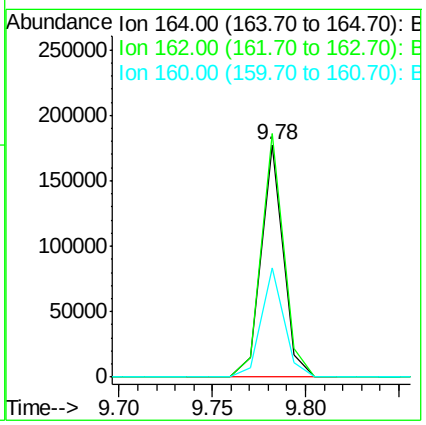
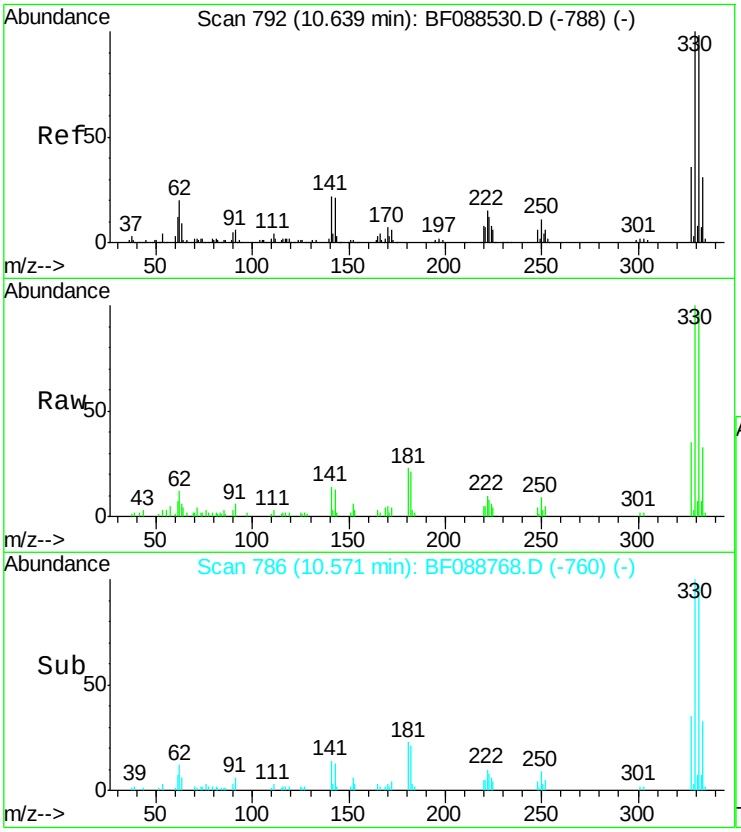


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:164 Resp: 143961

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.4	128.2
160	46.9	39.5	59.3

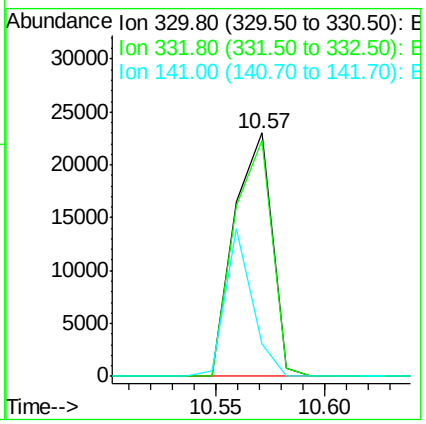




#41
2,4,6-Tribromophenol
Concen: 20.70 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:330 Resp: 27677

Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	43.5	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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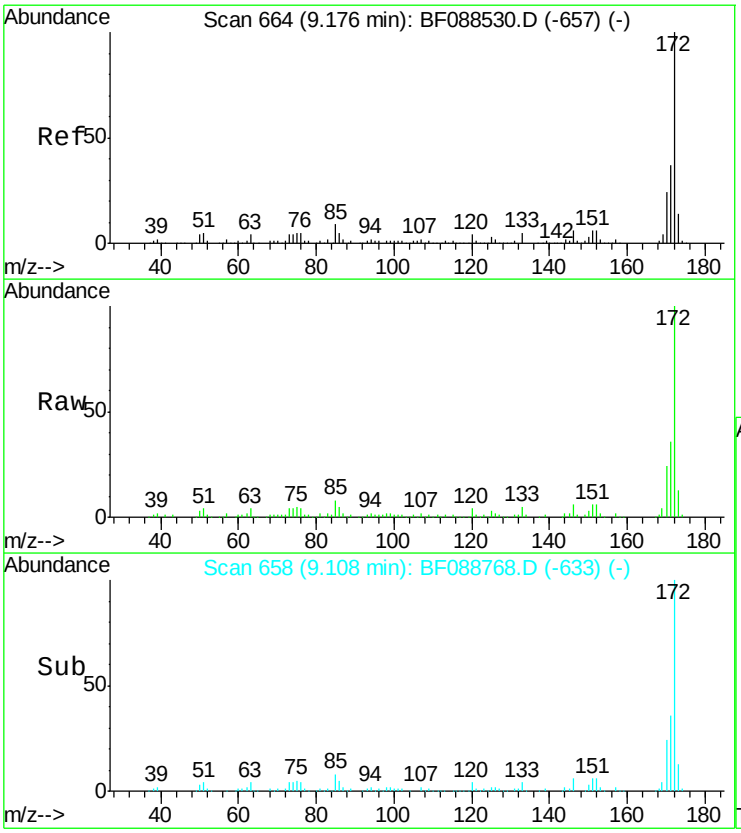
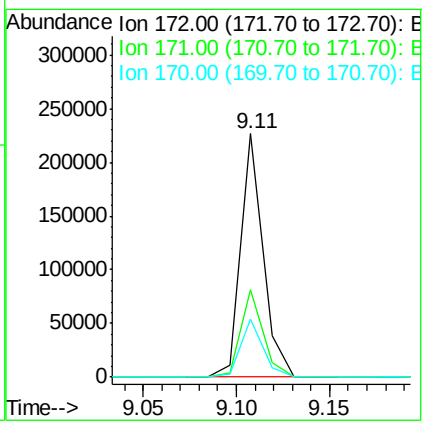
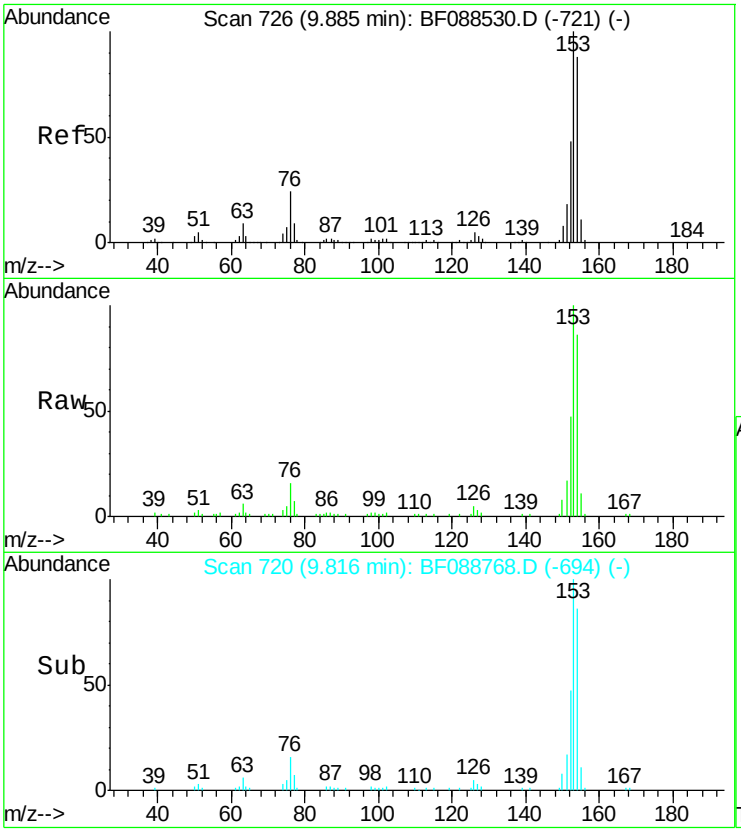


#44
2-Fluorobiphenyl
Concen: 20.83 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:172 Resp: 189847

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	19.2	28.8

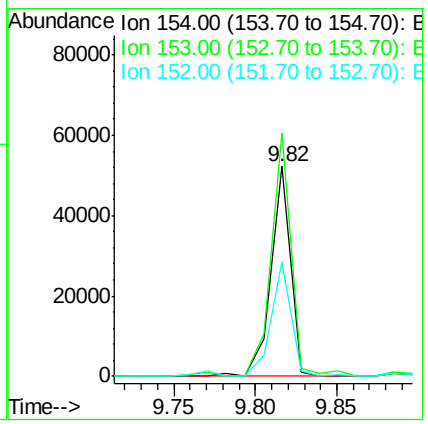




#51
Acenaphthene
Concen: 4.78 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:154 Resp: 43598

Ion	Ratio	Lower	Upper
154	100		
153	116.0	89.5	134.3
152	54.8	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

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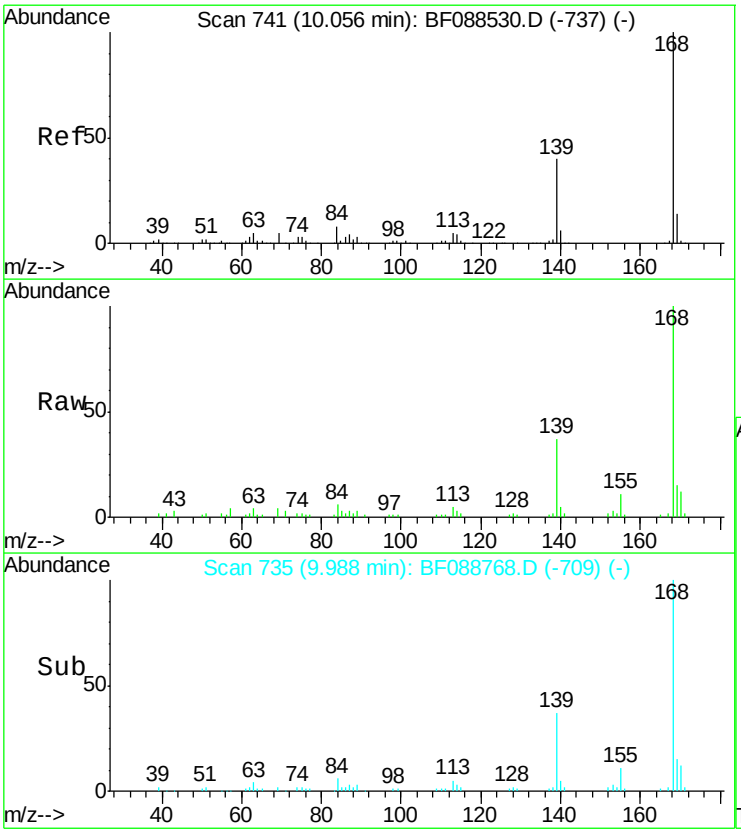
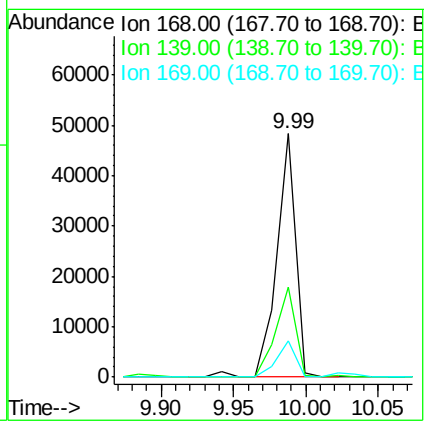
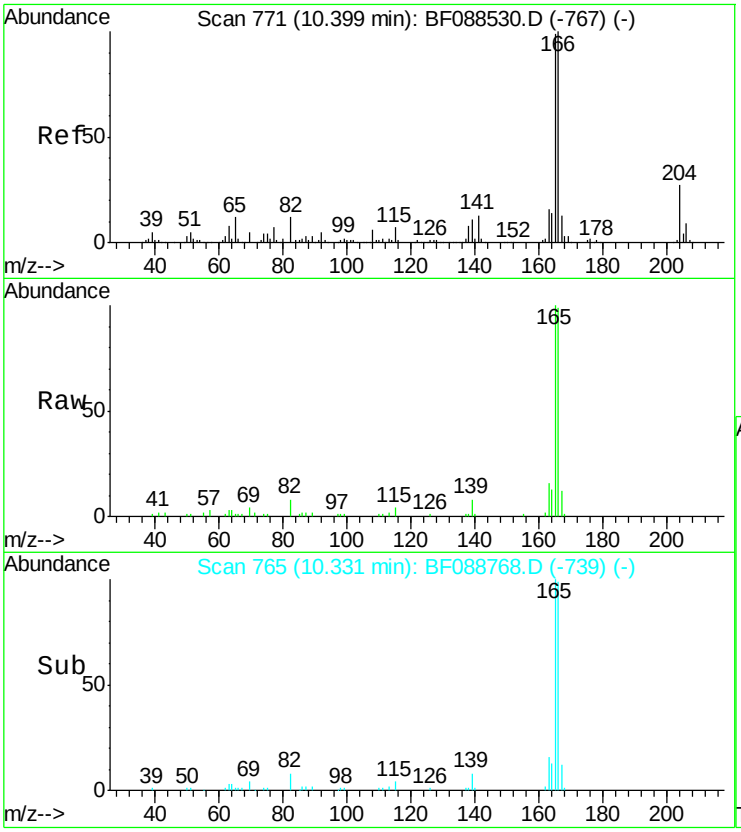


#54
Dibenzofuran
Concen: 3.66 ng
RT: 9.99 min Scan# 735
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:168 Resp: 43675

Ion	Ratio	Lower	Upper
168	100		
139	36.8	26.4	39.6
169	14.8	10.4	15.6

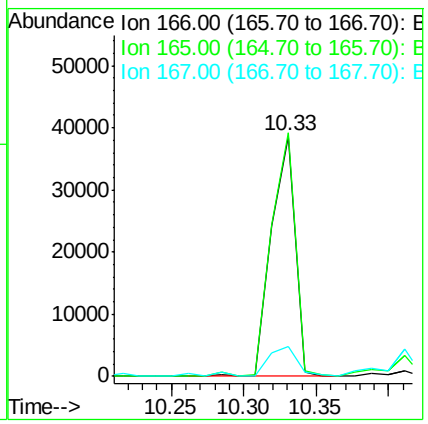




#57
Fluorene
Concen: 4.76 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:166 Resp: 43808

Ion	Ratio	Lower	Upper
166	100		
165	101.3	77.8	116.8
167	12.6	11.2	16.8



Instrument :
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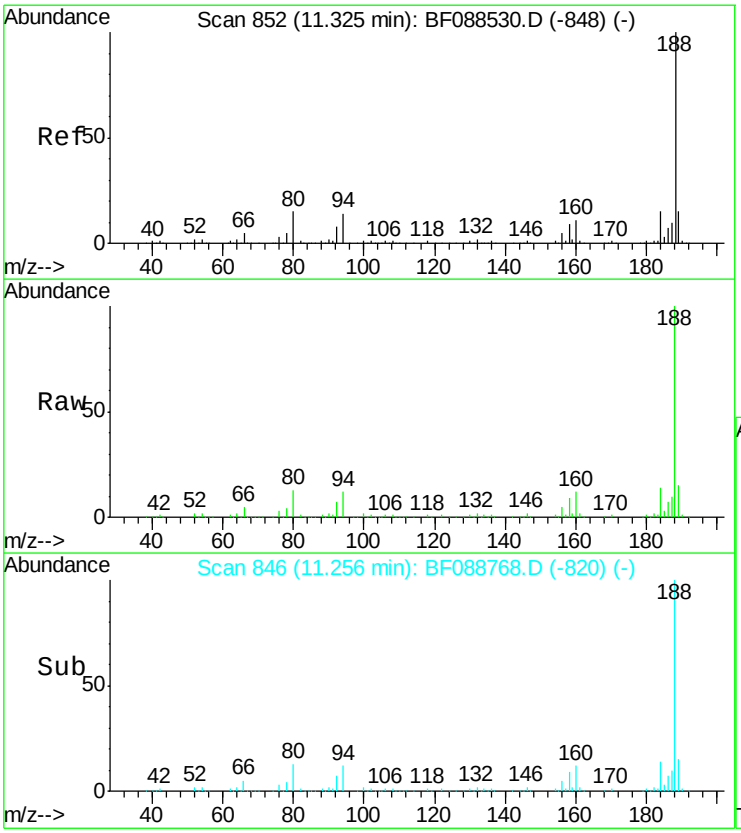
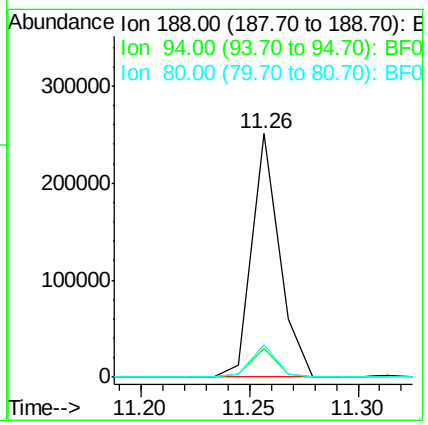
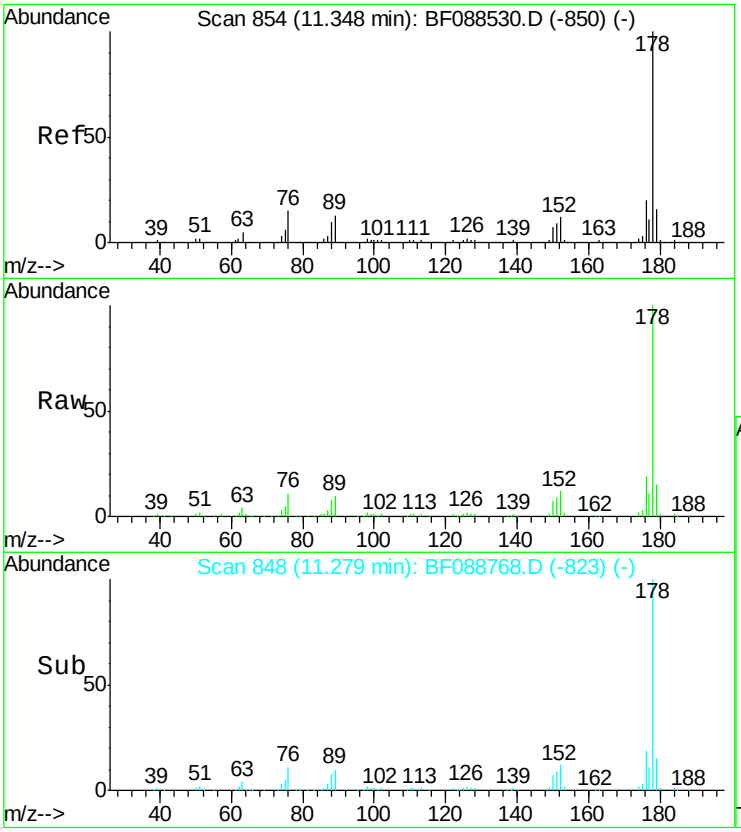


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:188 Resp: 221951

Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.0	13.6
80	13.3	10.0	15.0

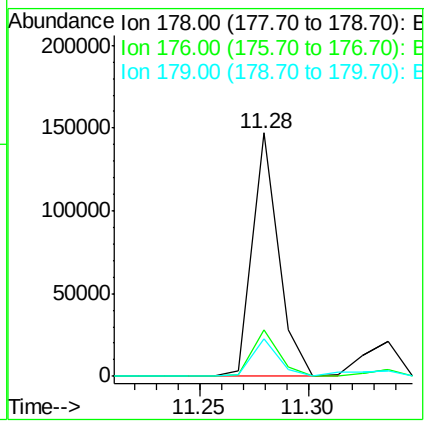




#70
Phenanthrene
Concen: 10.18 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:178 Resp: 123523

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.2	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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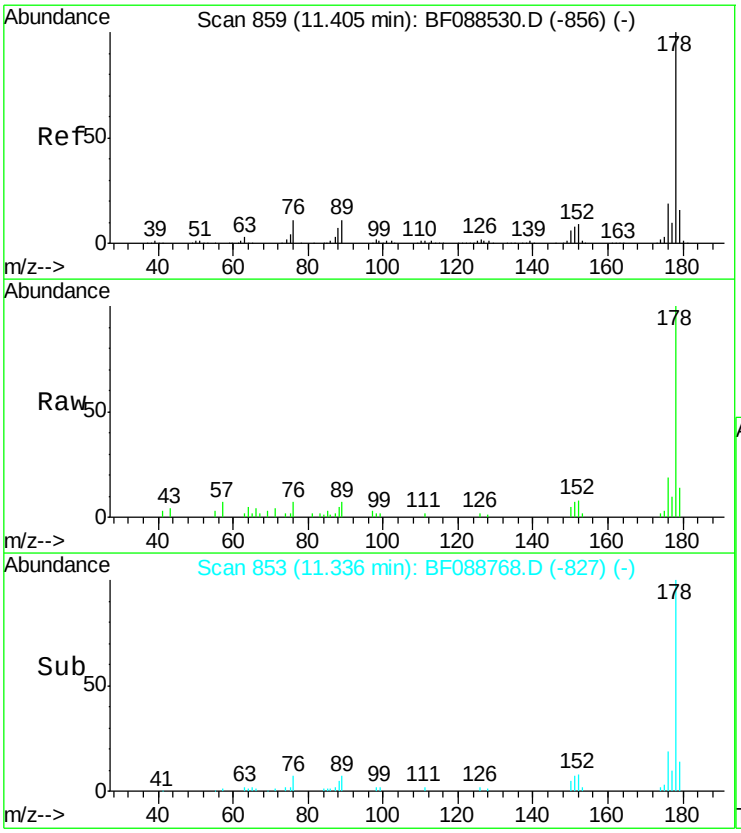
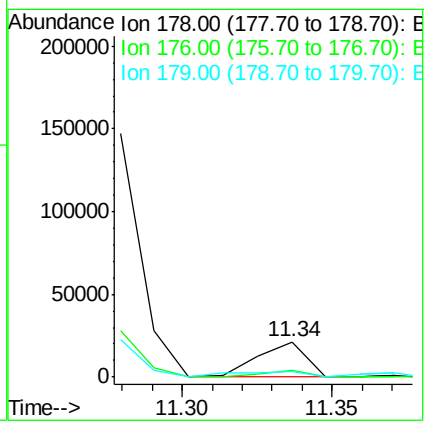
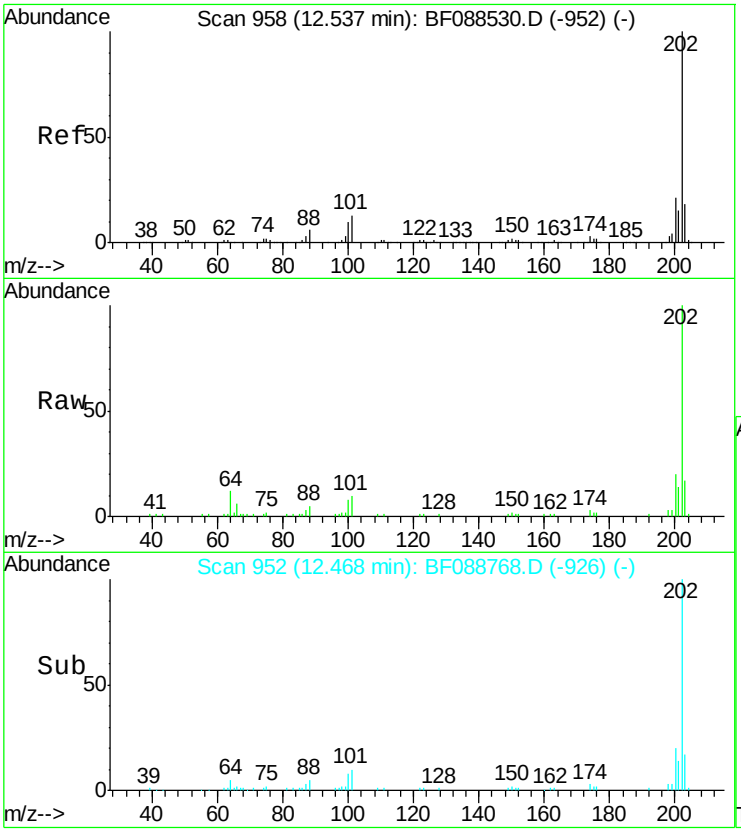


#71
Anthracene
Concen: 2.00 ng m
RT: 11.34 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:178 Resp: 24179

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	14.5	12.8	19.2

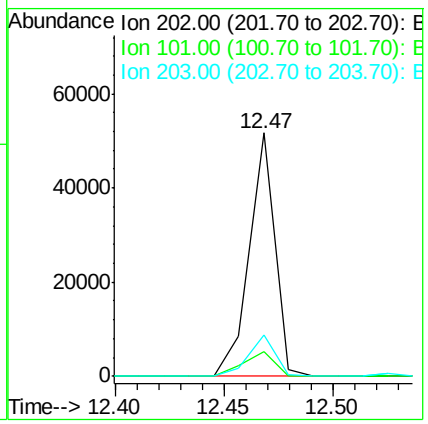




#74
Fluoranthene
Concen: 3.44 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:202 Resp: 42271

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	33.1
203	17.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
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umangi
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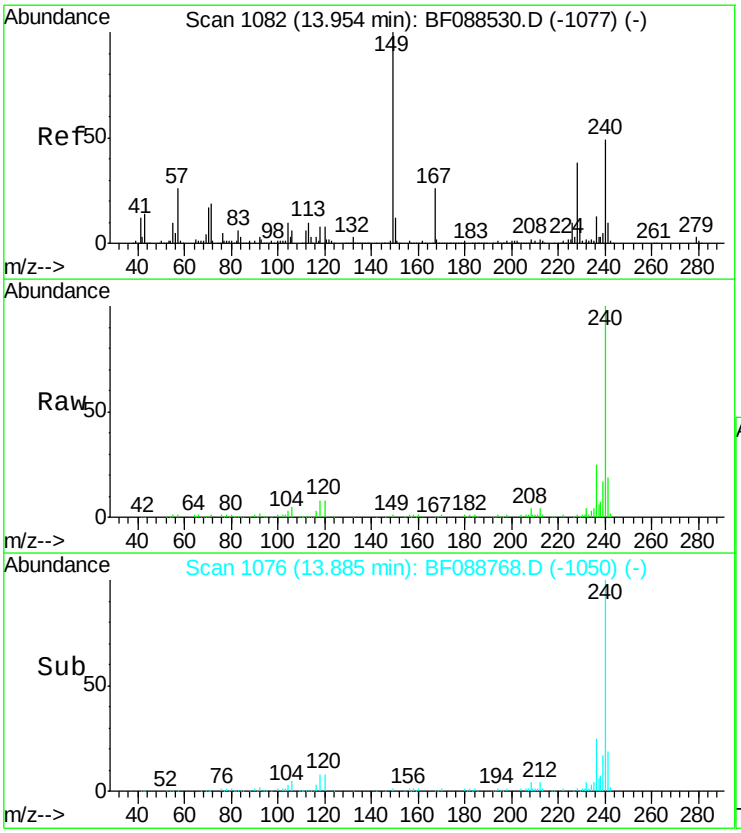
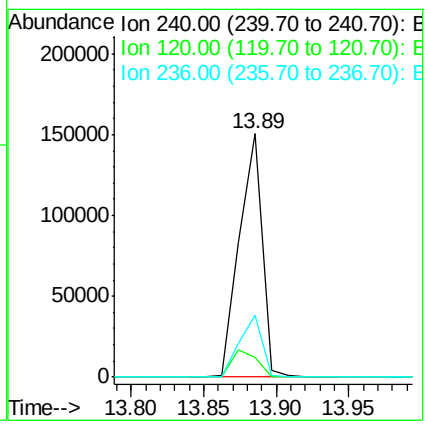
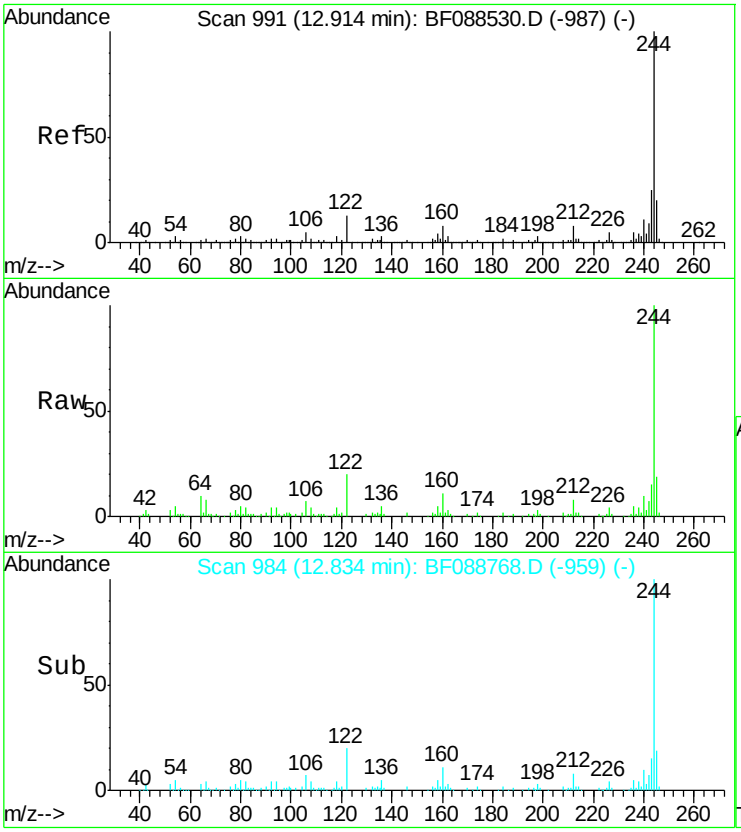


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:240 Resp: 164866

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.8	10.2
236	25.3	20.2	30.2

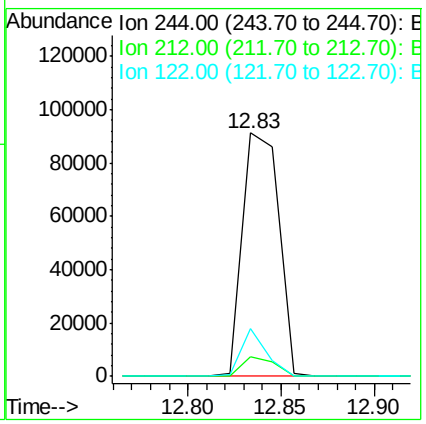




#78
Terphenyl-d14
Concen: 16.60 ng
RT: 12.83 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

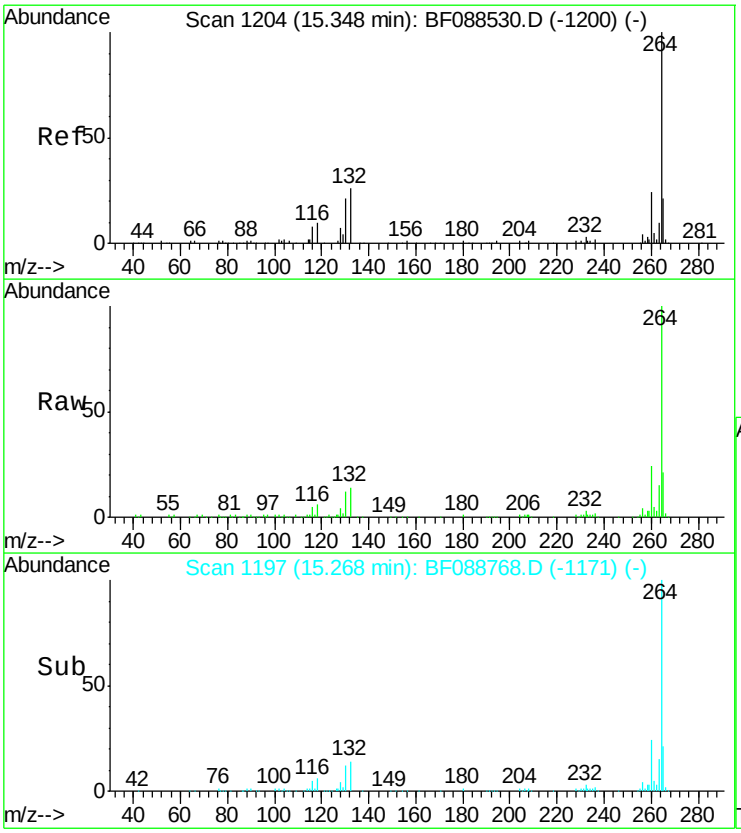
Tgt Ion:244 Resp: 122858

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	19.8	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Manual Integrations
APPROVED
umangi
7/7/2016 6:11:08 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:264 Resp: 158036

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	16.9	25.3