Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090982.D
Acq On : 2 Nov 2016 16:25
Operator : UM/SJ
Sample : H5509-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-91-9.4-25.0

Manual Integrations APPROVED
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Quant Time: Nov 03 01:04:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154669	20.00	ng		-0.03
21) Naphthalene-d8	8.01	136	701032	20.00	ng		-0.03
38) Acenaphthene-d10	9.77	164	338781	20.00	ng		-0.02
63) Phenanthrene-d10	11.24	188	520281	20.00	ng		-0.02
75) Chrysene-d12	13.88	240	342821	20.00	ng		-0.02
86) Perylene-d12	15.28	264	321257	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	761009	86.03	ng		-0.01
7) Phenol-d6	6.36	99	866189	72.58	ng		-0.03
23) Nitrobenzene-d5	7.29	82	1002764	93.64	ng		-0.03
41) 2,4,6-Tribromophenol	10.56	330	412934	118.61	ng		-0.02
44) 2-Fluorobiphenyl	9.09	172	1843527	95.55	ng		-0.02
78) Terphenyl-d14	12.83	244	1241845	91.26	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.28	88	9649	2.13	ng	#	52
49) Dimethylphthalate	9.49	163	535943	23.68	ng	#	97
51) Acenaphthene	9.79	154	58089	3.00	ng		87
57) Fluorene	10.30	166	51263	2.51	ng	#	87
70) Phenanthrene	11.26	178	196270	7.41	ng		95
74) Fluoranthene	12.45	202	162046	5.58	ng		92
77) Pyrene	12.68	202	123164	5.68	ng		97
80) Benzo(a)anthracene	13.87	228	42112m	2.31	ng		
82) Chrysene	13.91	228	37835m	2.06	ng		
83) Bis(2-ethylhexyl)phthalate	13.87	149	68267	5.33	ng	#	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090982.D
Acq On : 2 Nov 2016 16:25
Operator : UM/SJ
Sample : H5509-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 03 01:04:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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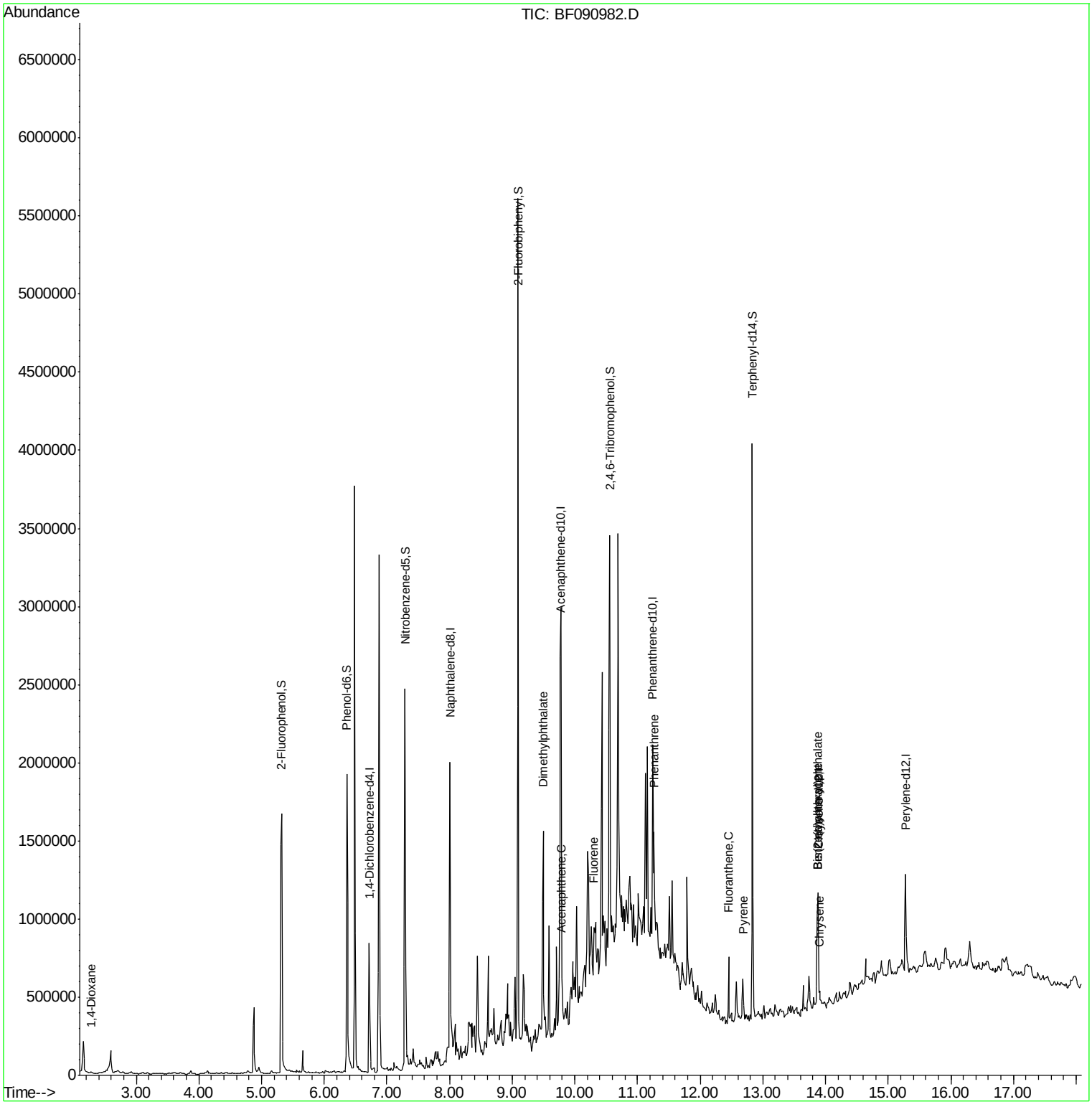
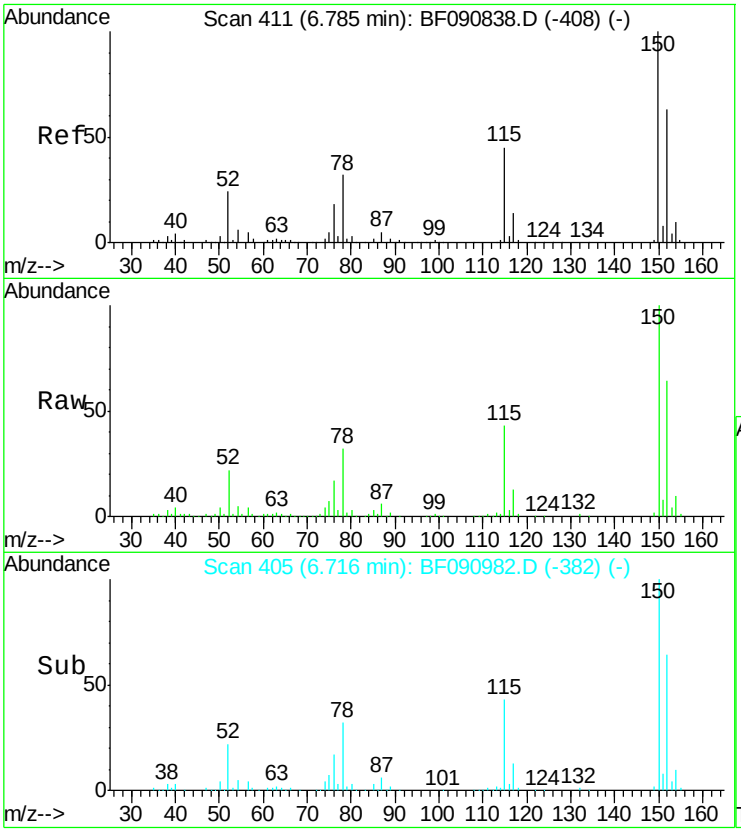
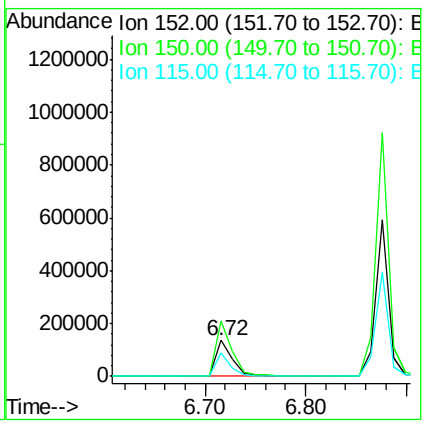




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:152 Resp: 154669

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.7	187.1
115	66.9	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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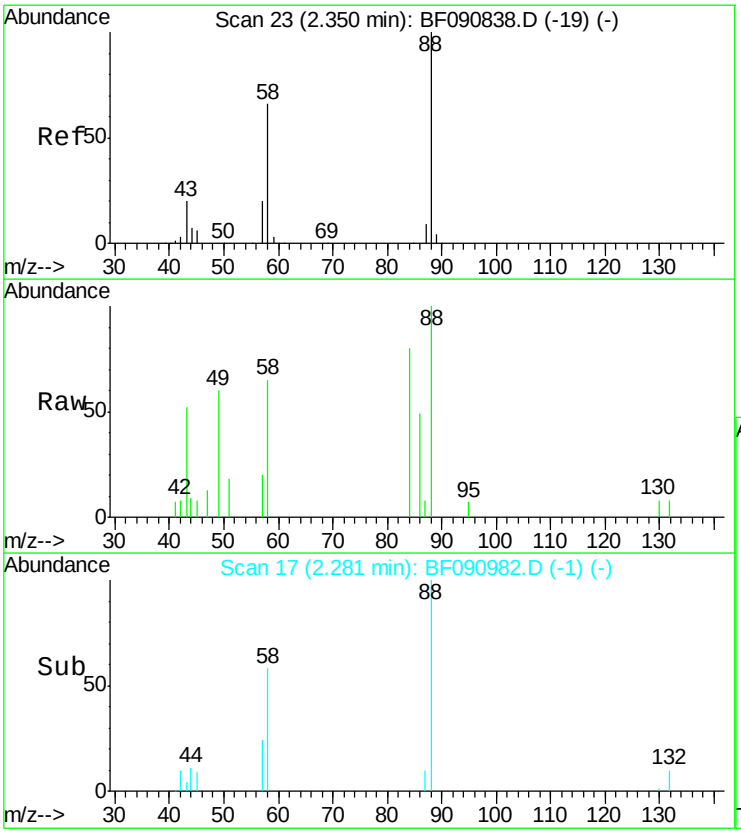
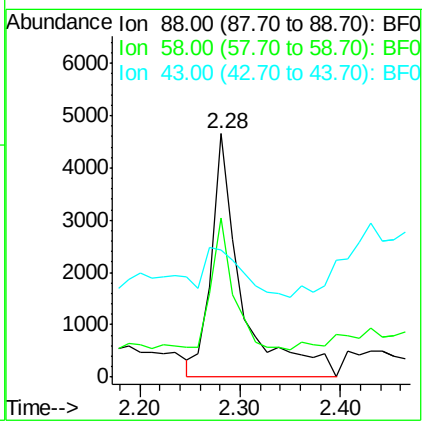
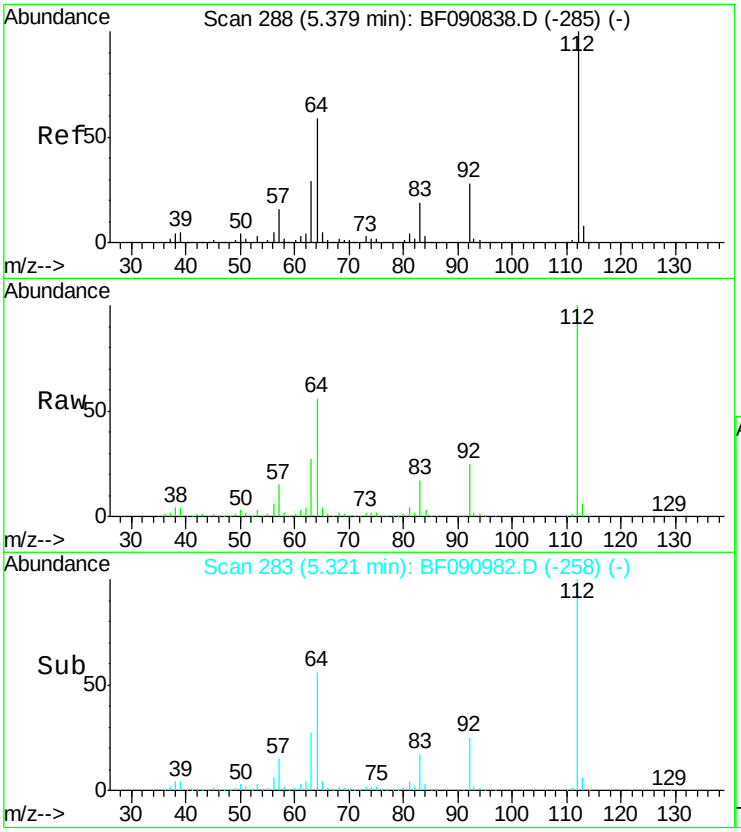


#2
1,4-Dioxane
Concen: 2.13 ng
RT: 2.28 min Scan# 17
Delta R.T. 0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion: 88 Resp: 9649

Ion	Ratio	Lower	Upper
88	100		
58	39.2	77.7	116.5#
43	24.1	26.6	40.0#

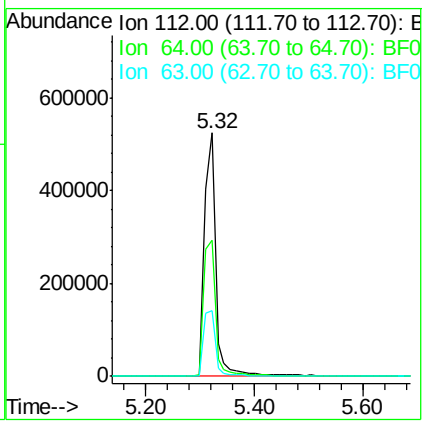




#5
2-Fluorophenol
Concen: 86.03 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:112 Resp: 761009

Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.7	59.5
63	26.8	17.4	26.0#



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

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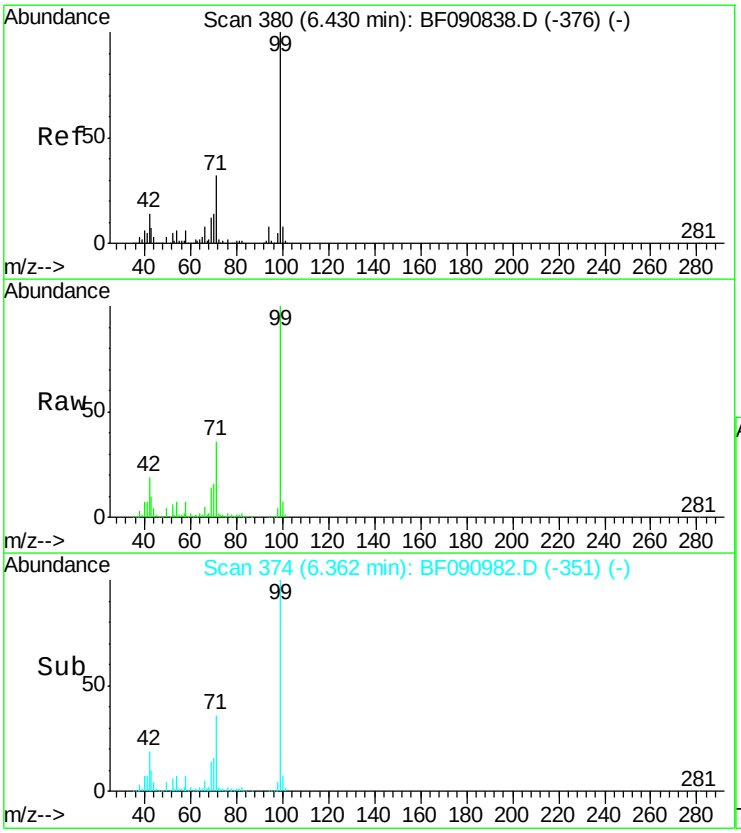
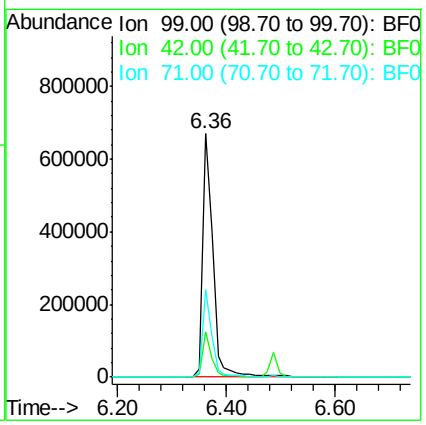
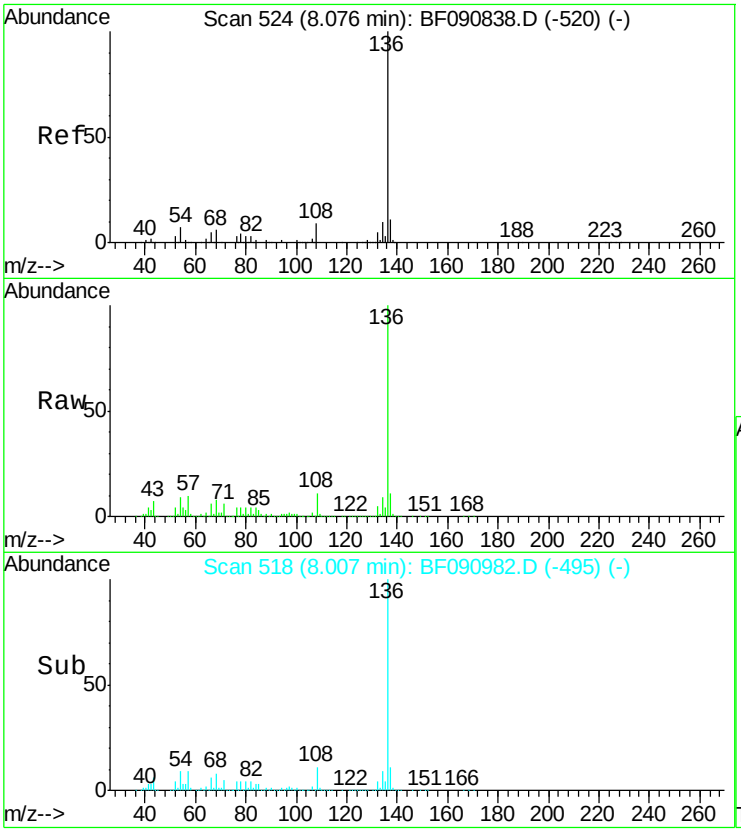


#7
Phenol-d6
Concen: 72.58 ng
RT: 6.36 min Scan# 374
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion: 99 Resp: 866189

Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.7	20.5
71	35.7	14.2	21.2#

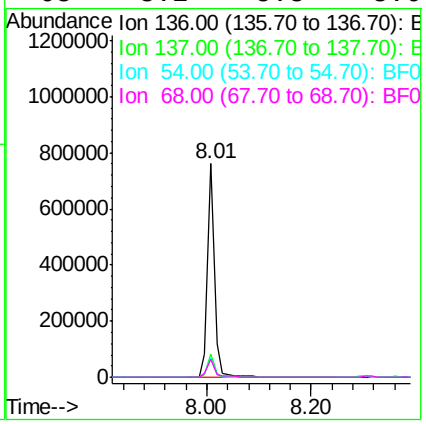




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:136 Resp: 701032

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.3	8.2	12.2
68	8.2	5.8	8.6



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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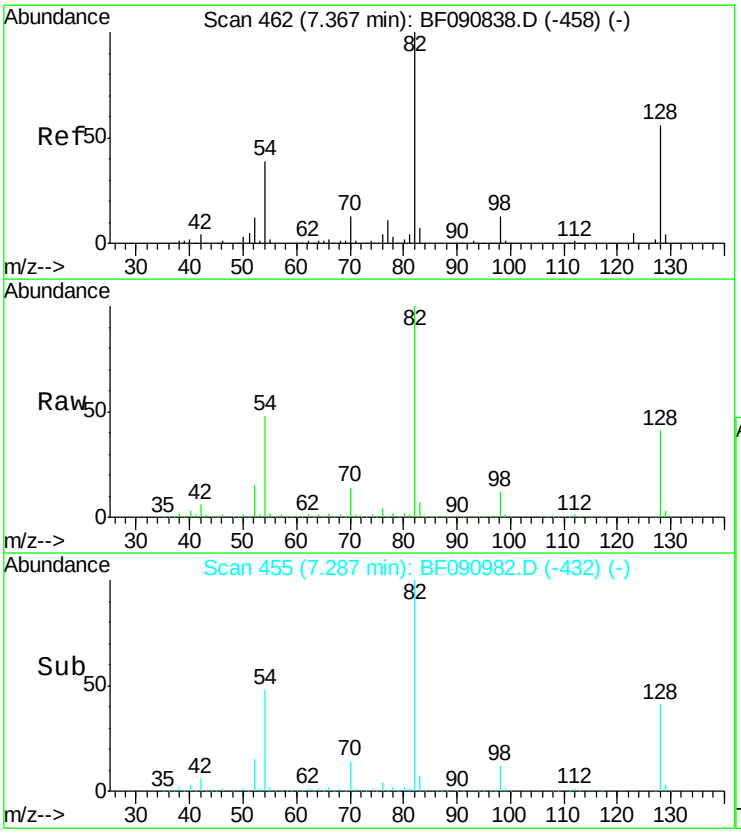
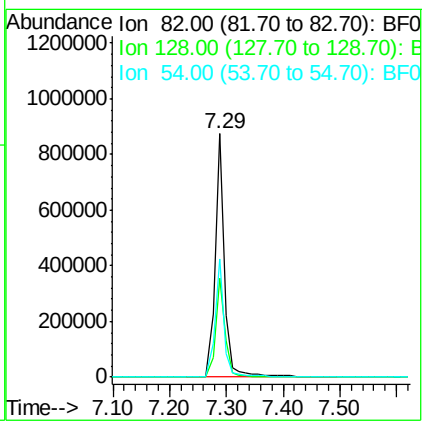
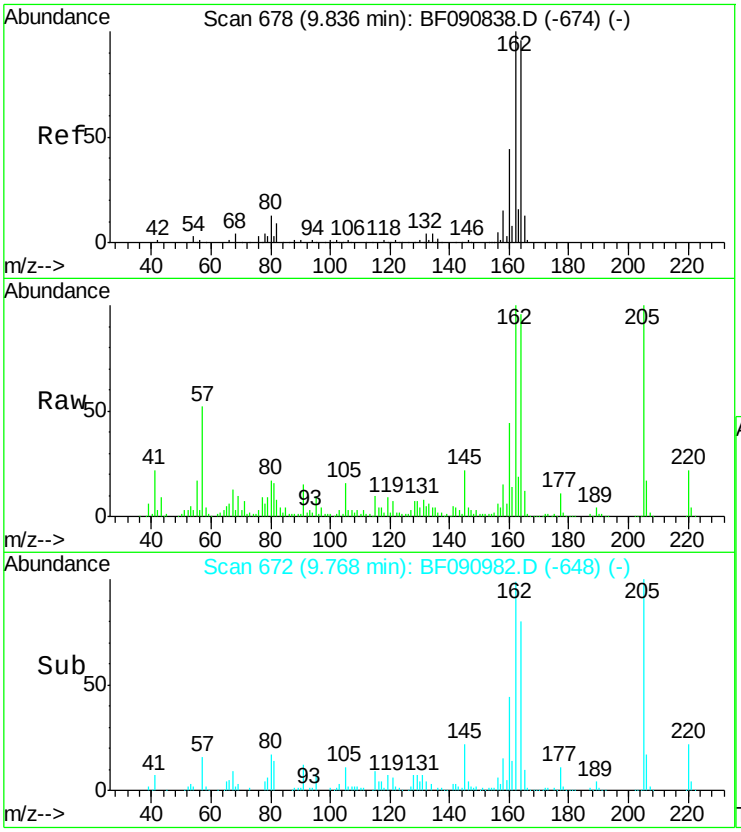


#23
Nitrobenzene-d5
Concen: 93.64 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion: 82 Resp: 1002764

Ion	Ratio	Lower	Upper
82	100		
128	40.6	51.0	76.6#
54	48.3	47.5	71.3

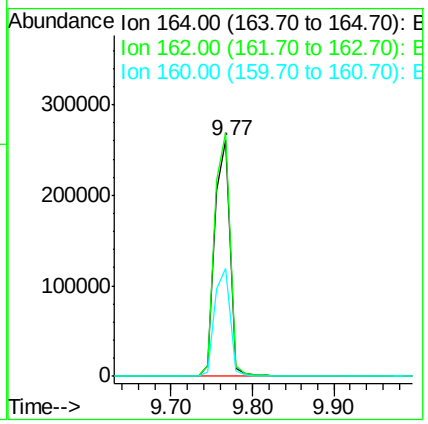




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:164 Resp: 338781

Ion	Ratio	Lower	Upper
164	100		
162	103.3	75.2	112.8
160	46.0	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

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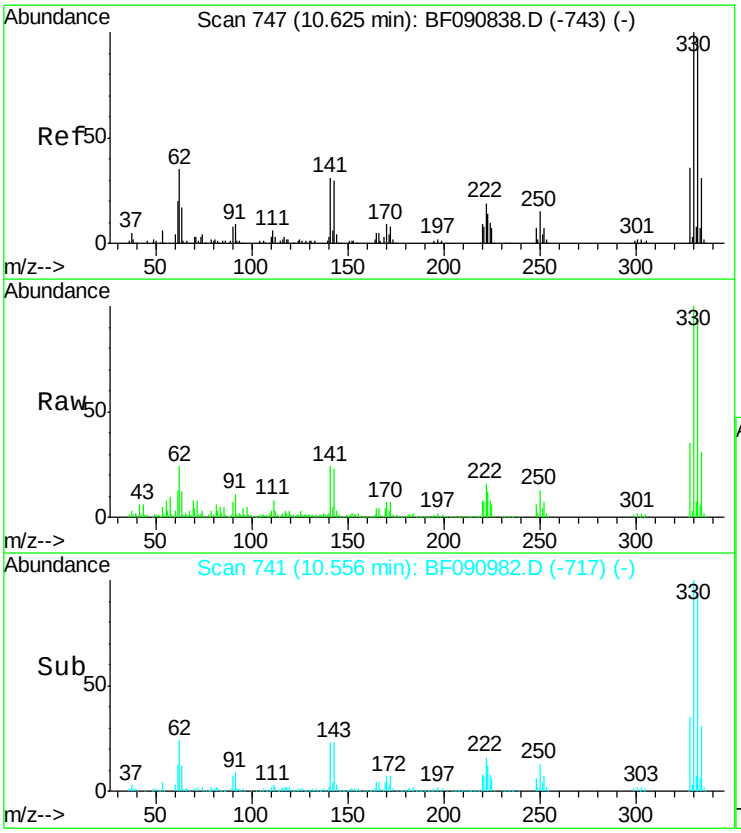
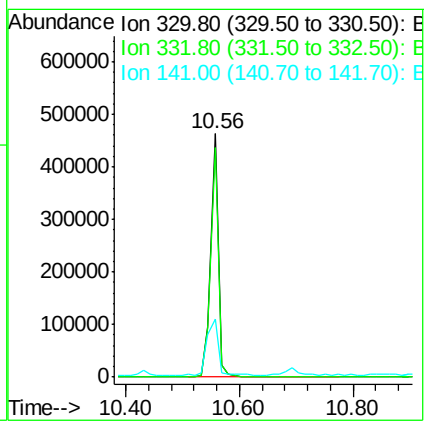
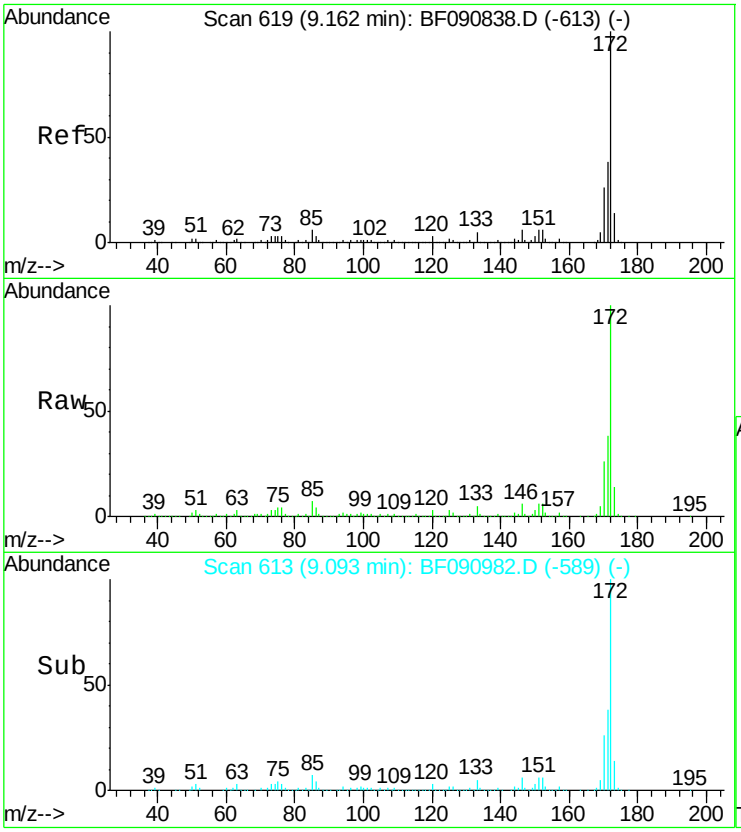


#41
2,4,6-Tribromophenol
Concen: 118.61 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:330 Resp: 412934

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	114.8
141	34.9	29.7	44.5

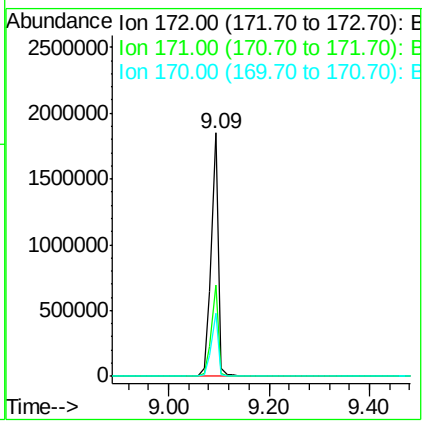




#44
2-Fluorobiphenyl
Concen: 95.55 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:172 Resp: 1843527

Ion	Ratio	Lower	Upper
172	100		
171	37.7	26.1	39.1
170	25.8	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

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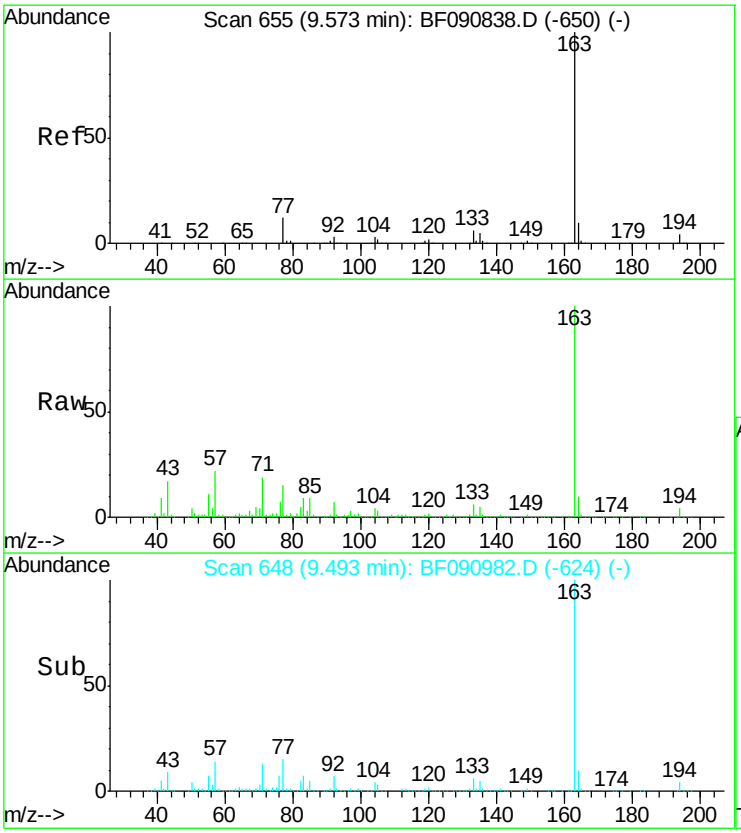
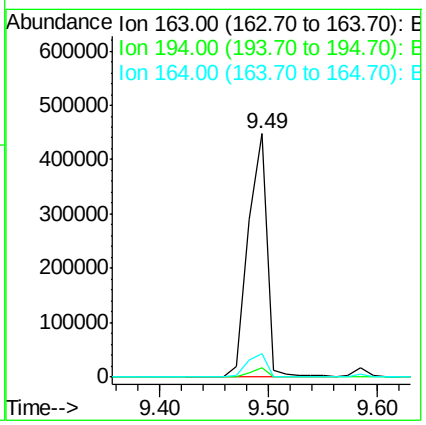
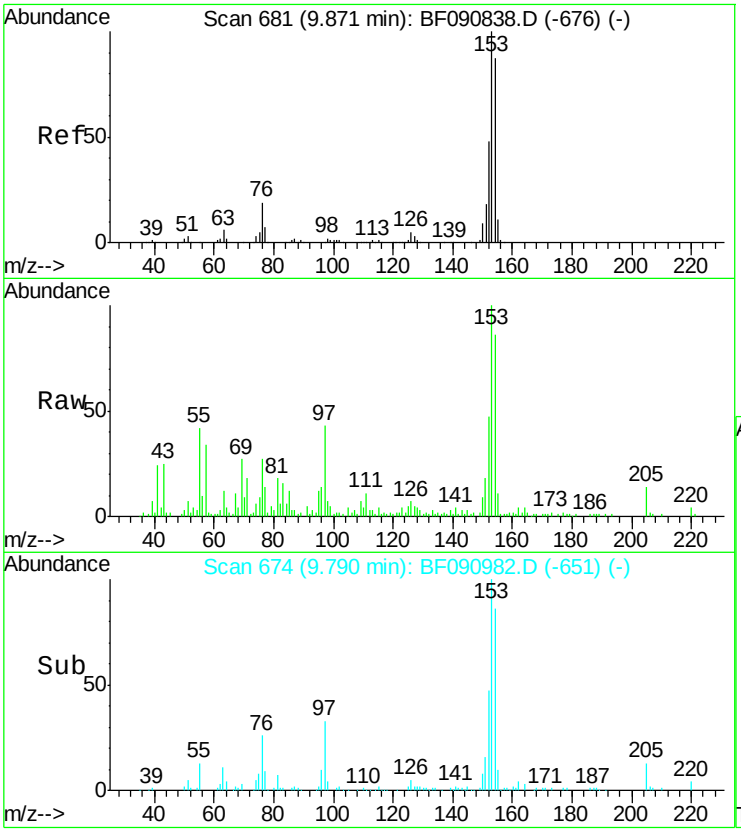


#49
Dimethylphthalate
Concen: 23.68 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:163 Resp: 535943

Ion	Ratio	Lower	Upper
163	100		
194	3.7	4.4	6.6#
164	9.7	8.3	12.5

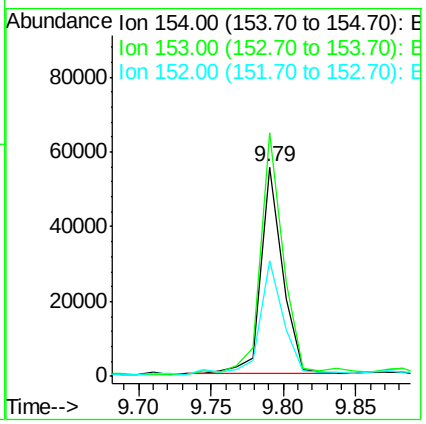




#51
Acenaphthene
Concen: 3.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:154 Resp: 58089

Ion	Ratio	Lower	Upper
154	100		
153	116.1	82.1	123.1
152	54.9	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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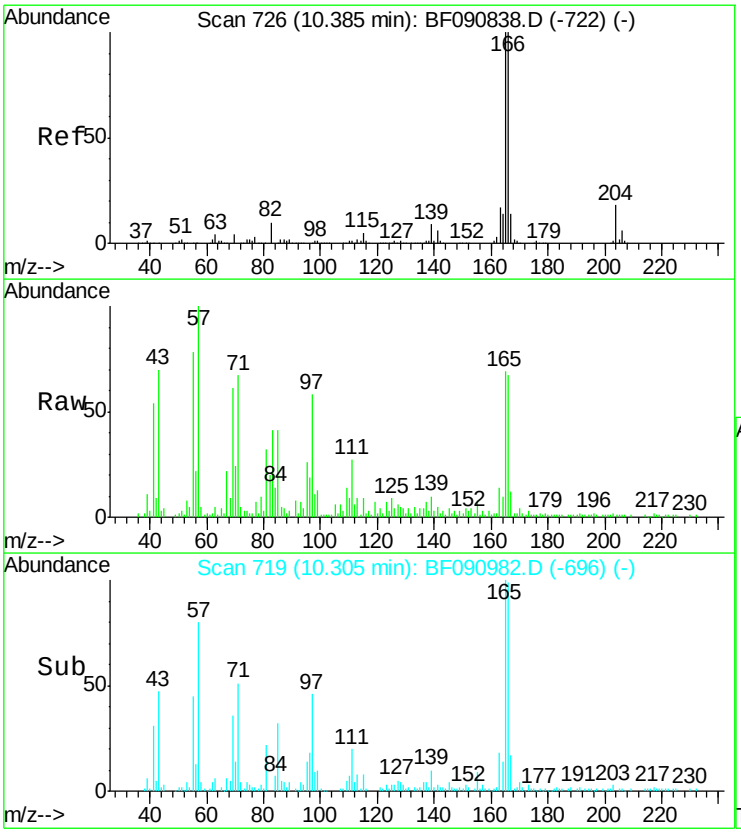
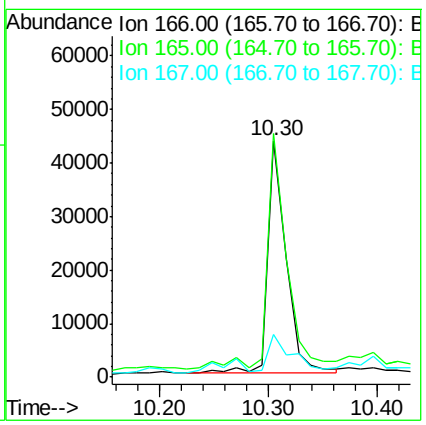
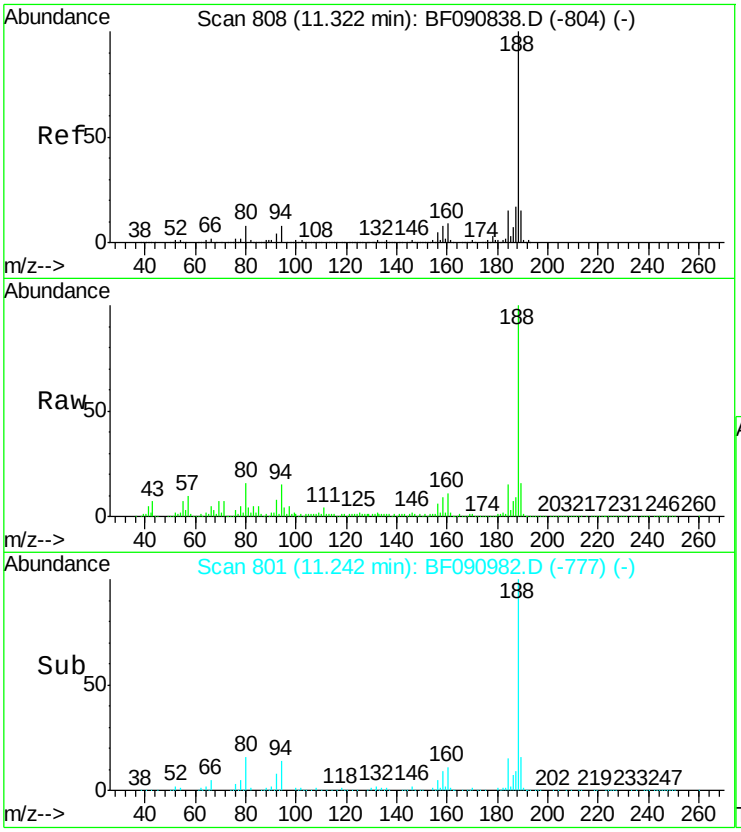


#57
Fluorene
Concen: 2.51 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:166 Resp: 51263

Ion	Ratio	Lower	Upper
166	100		
165	103.2	72.6	109.0
167	18.1	10.6	16.0#

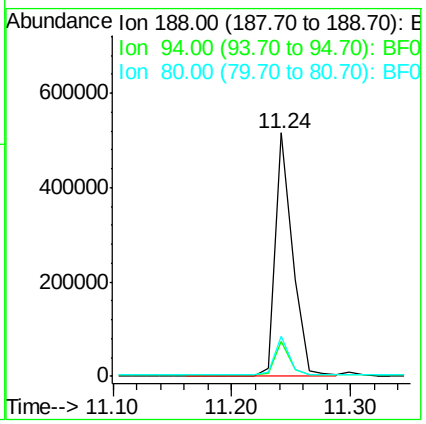




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:188 Resp: 520281

Ion	Ratio	Lower	Upper
188	100		
94	14.6	11.1	16.7
80	16.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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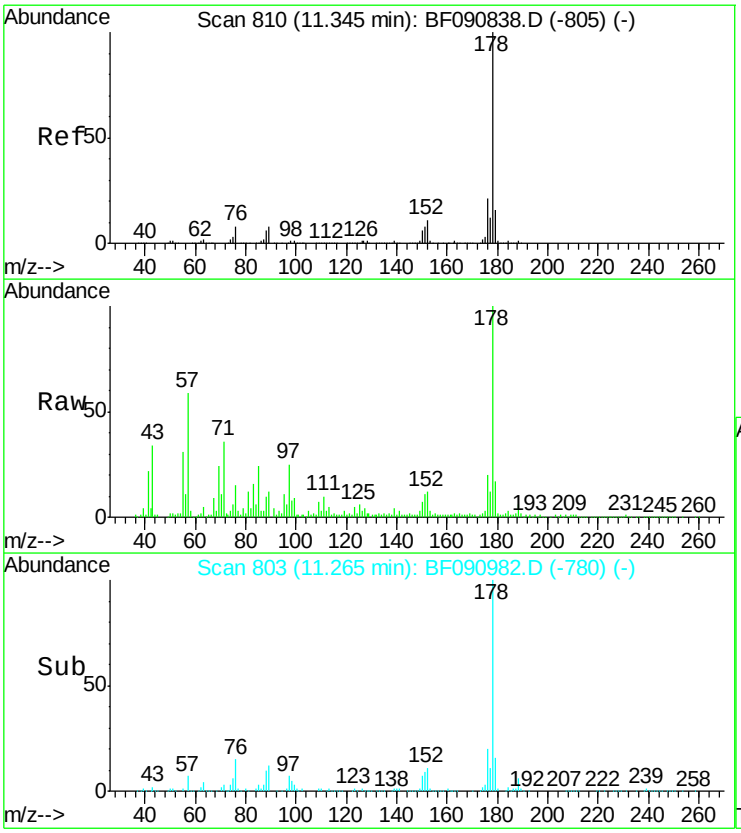
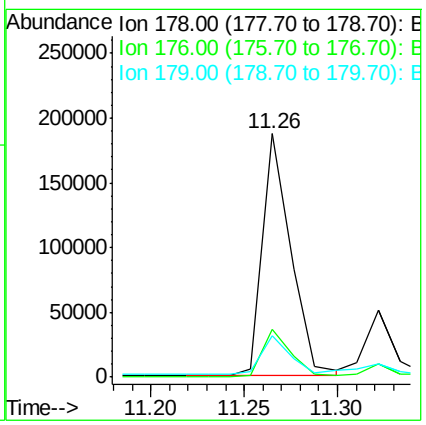
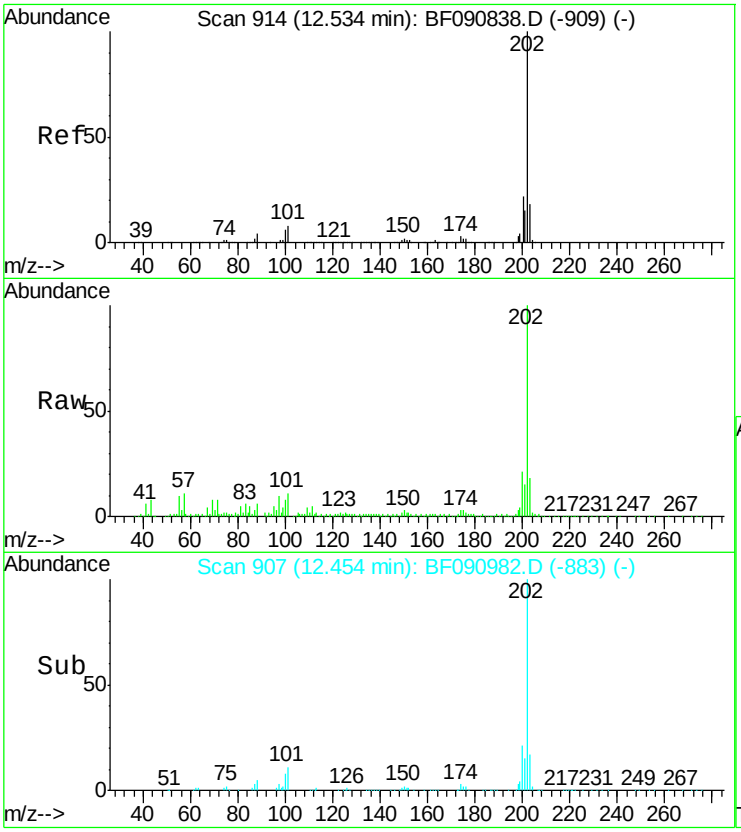


#70
Phenanthrene
Concen: 7.41 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:178 Resp: 196270

Ion	Ratio	Lower	Upper
178	100		
176	19.8	13.8	20.8
179	17.2	12.2	18.2

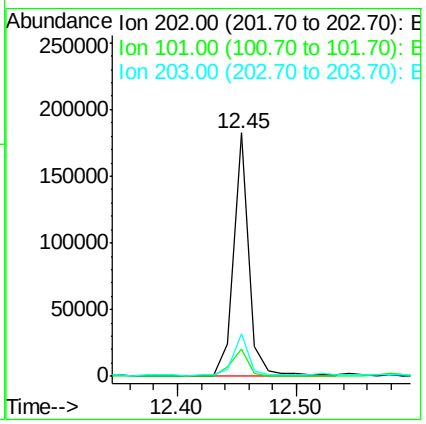




#74
Fluoranthene
Concen: 5.58 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:202 Resp: 162046

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	38.3
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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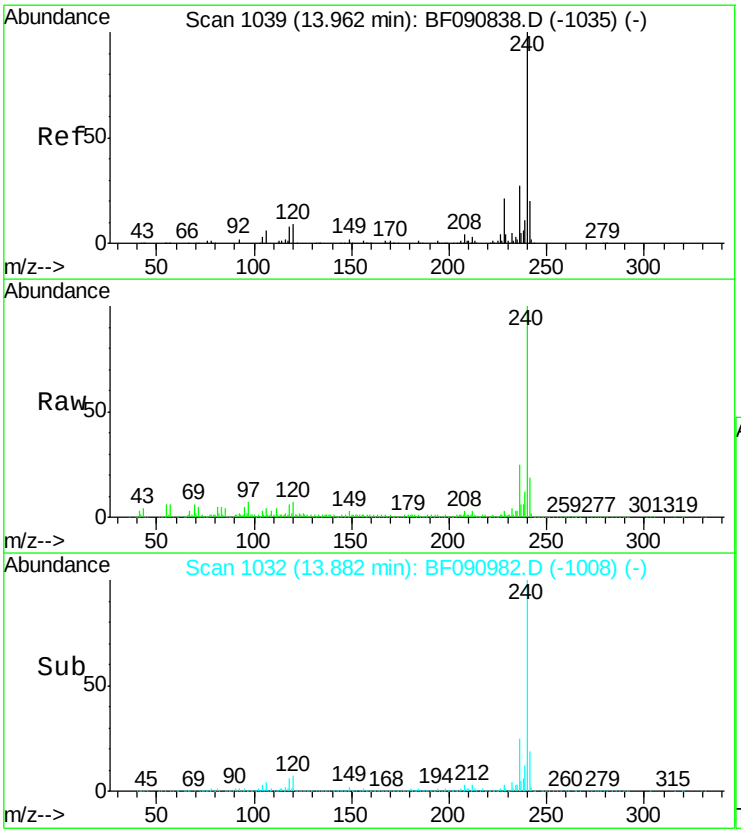
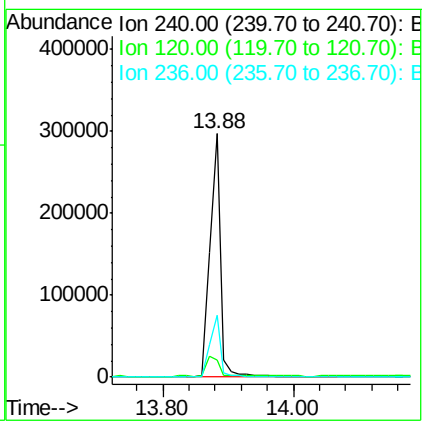
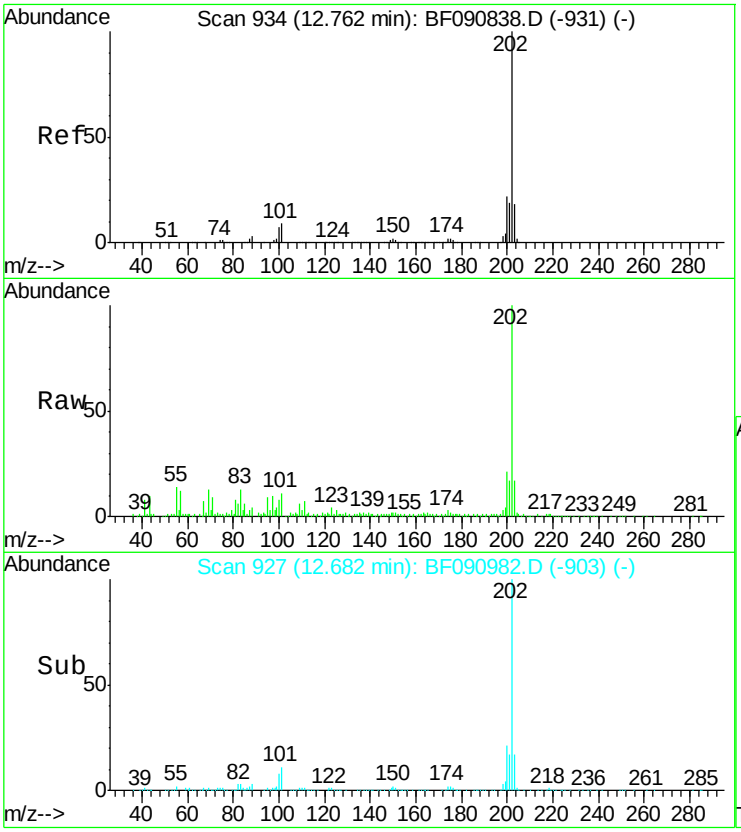


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:240 Resp: 342821

Ion	Ratio	Lower	Upper
240	100		
120	7.0	16.2	24.2#
236	25.4	18.4	27.6

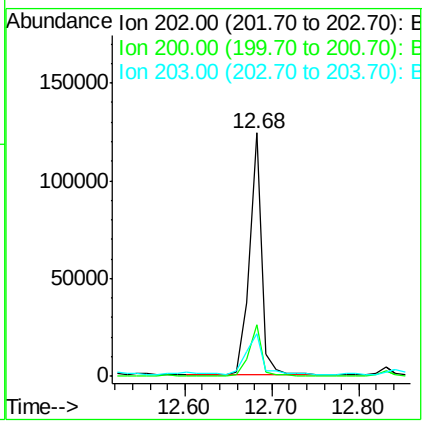




#77
Pyrene
Concen: 5.68 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:202 Resp: 123164

Ion	Ratio	Lower	Upper
202	100		
200	21.2	15.0	22.4
203	17.3	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
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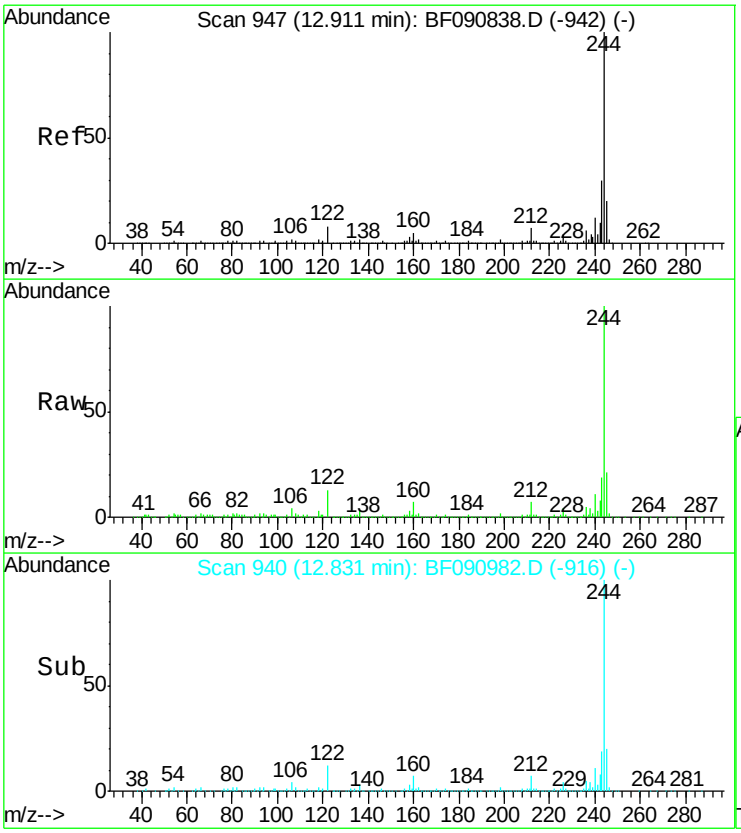
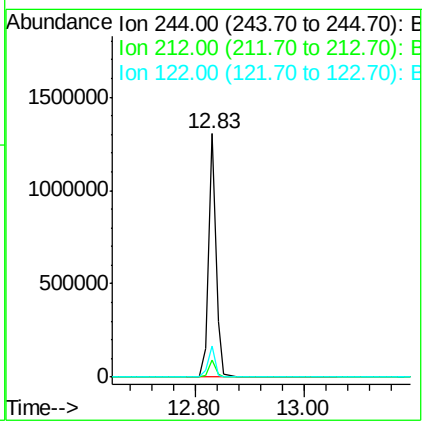
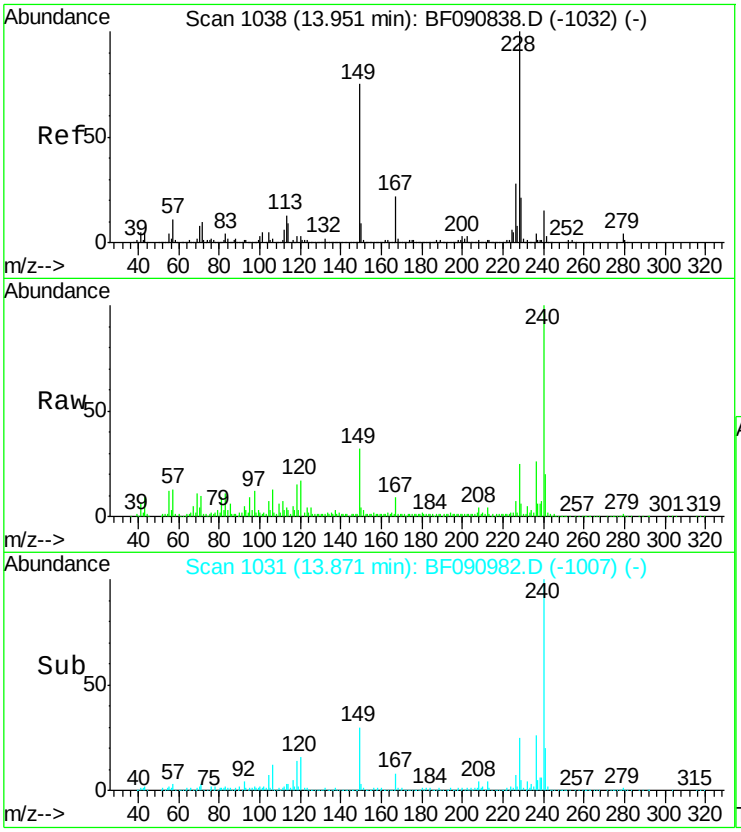


#78
Terphenyl-d14
Concen: 91.26 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:244 Resp: 1241845

Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	12.5	17.4	26.2#

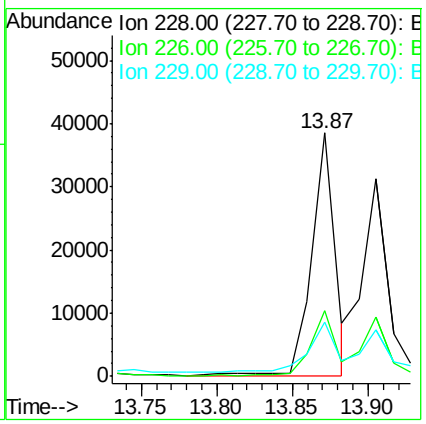




#80
Benzo(a)anthracene
Concen: 2.31 ng m
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

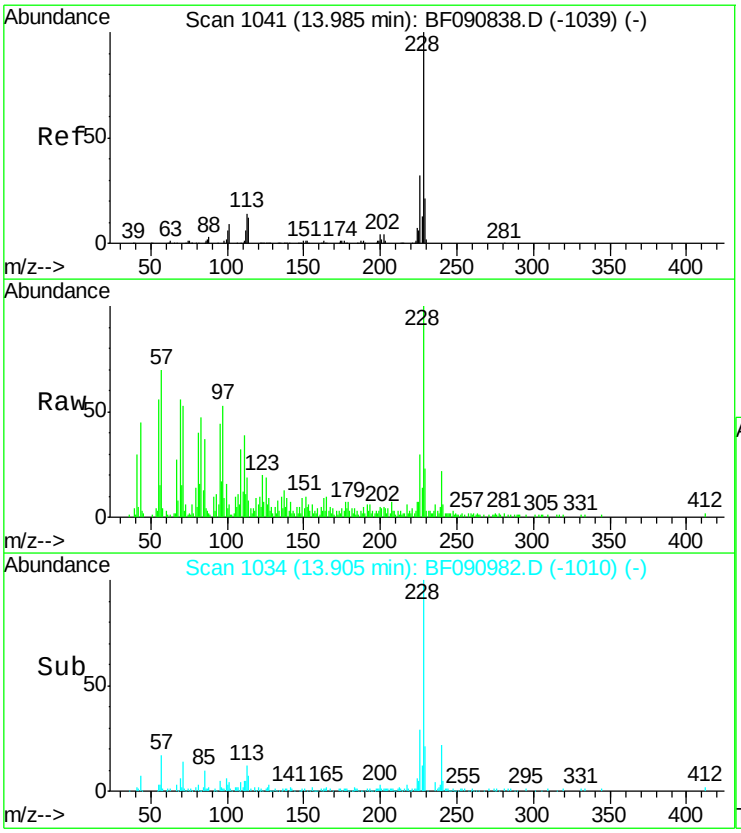
Tgt Ion:228 Resp: 42112

Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.0	30.0
229	22.5	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

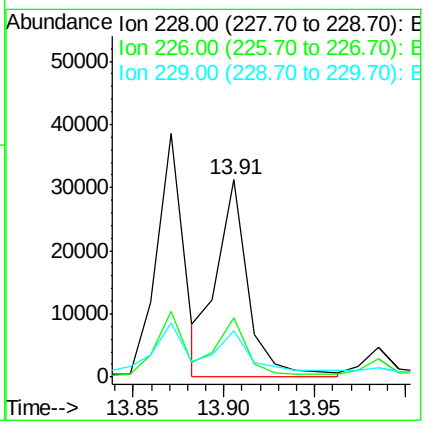
Manual Integrations APPROVED
Umangi
11/3/2016 7:12:55 PM

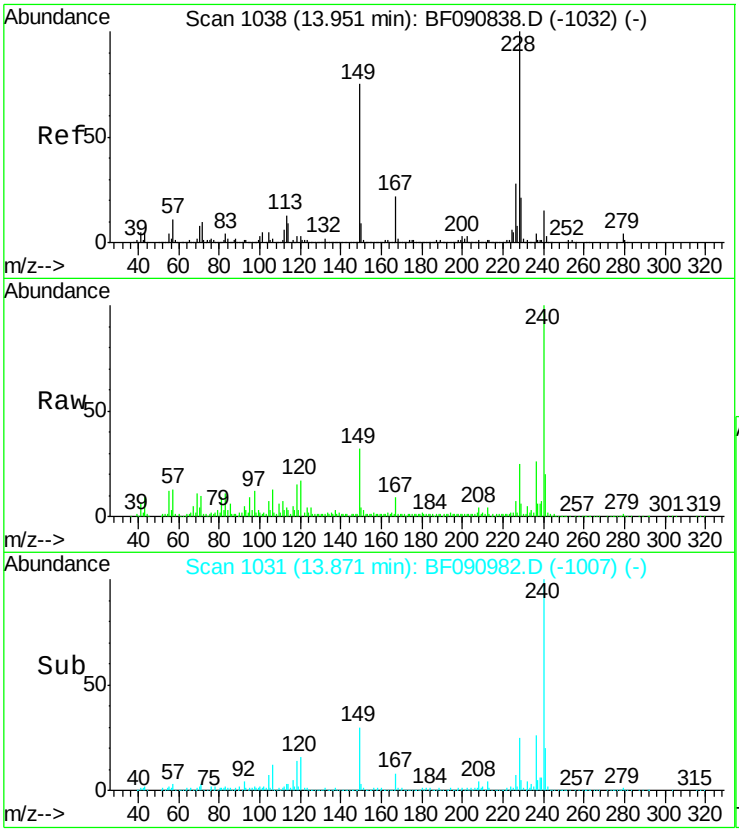


#82
Chrysene
Concen: 2.06 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:228 Resp: 37835

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.0	31.4
229	23.4	15.6	23.4#





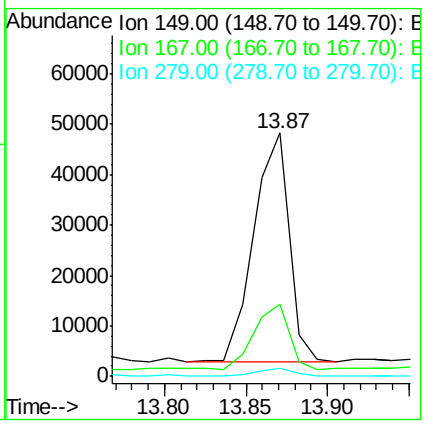
#83
Bis(2-ethylhexyl)phthalate
Concen: 5.33 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

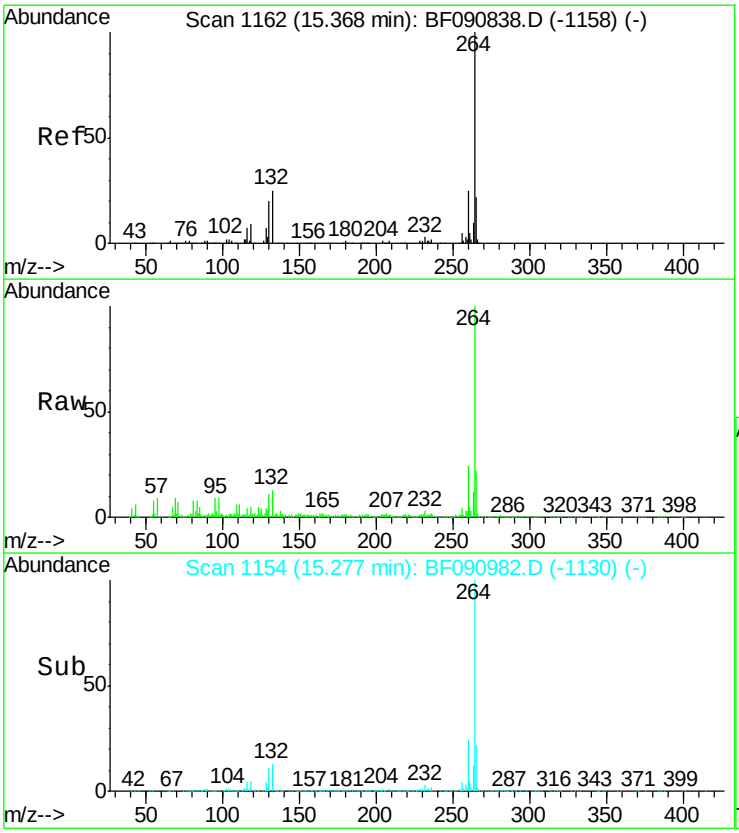
Tgt Ion:149 Resp: 68267

Ion	Ratio	Lower	Upper
149	100		
167	29.4	24.2	36.2
279	3.2	3.8	5.6#

Instrument :
BNA_F
ClientSampleId :
GW-91-9.4-25.0

Manual Integrations APPROVED
Umangi
11/3/2016 7:12:55 PM





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090982.D
Acq: 2 Nov 2016 16:25

Tgt Ion:264 Resp: 321257

Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.7	25.1
265	21.9	17.2	25.8