Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082055.D
Acq On : 5 Oct 2015 20:28
Operator : UM/IZ
Sample : G3867-02DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:19 PM

Quant Time: Oct 06 05:25:09 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	97720m	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	370591	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	177134	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	311323	20.00	ng	0.00
75) Chrysene-d12	14.06	240	269688	20.00	ng	0.00
86) Perylene-d12	15.50	264	232155	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	176183	32.73	ng	-0.01
7) Phenol-d6	6.50	99	257499	38.01	ng	-0.01
23) Nitrobenzene-d5	7.45	82	126808	22.81	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	58558	32.64	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	252957	20.19	ng	0.00
78) Terphenyl-d14	12.99	244	248242	23.75	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.89	142	316513	28.24	ng	# 92
49) Dimethylphthalate	9.65	163	64993	5.32	ng	# 98
57) Fluorene	10.48	166	63138	4.19	ng	# 84
70) Phenanthrene	11.44	178	195382	11.81	ng	# 94

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

Quantitation Report (QT Reviewed)

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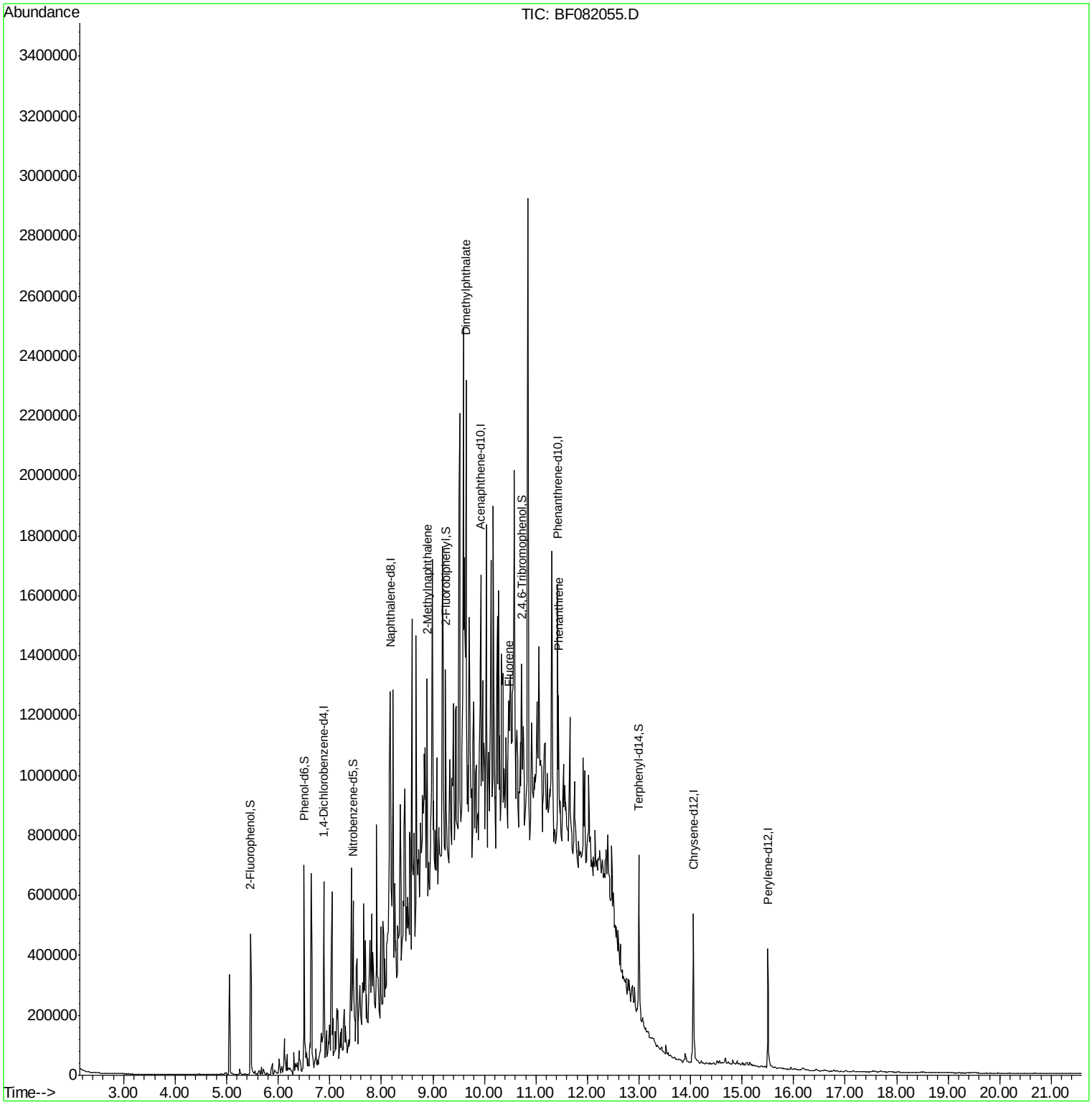
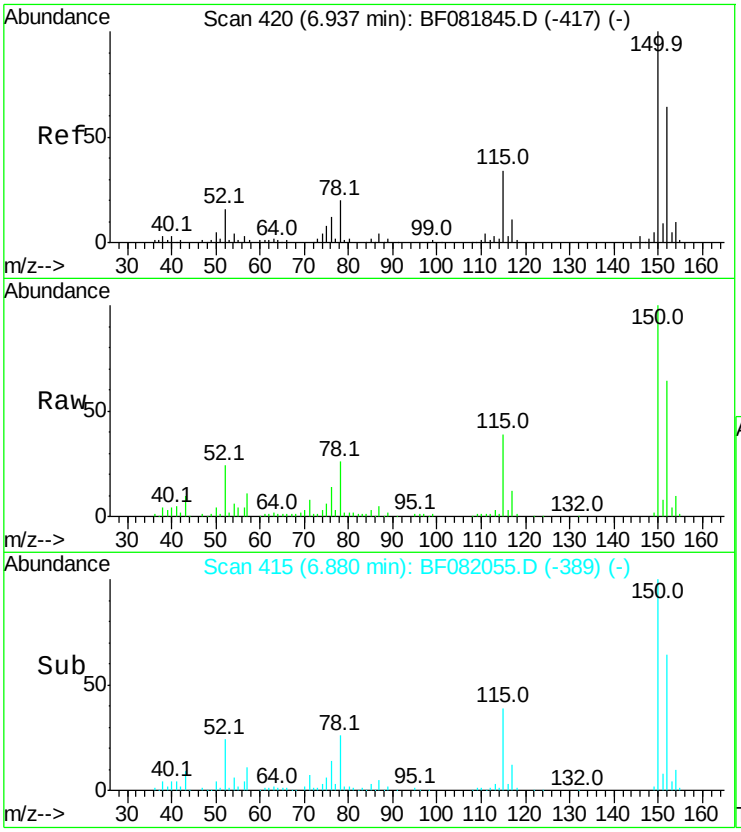
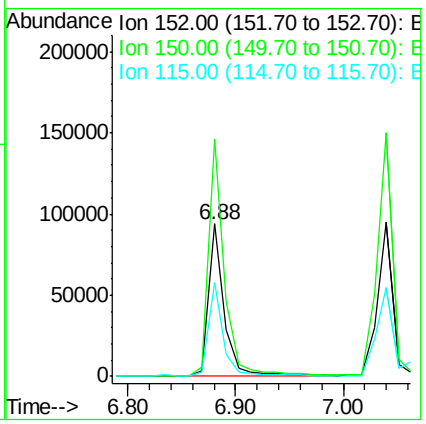




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

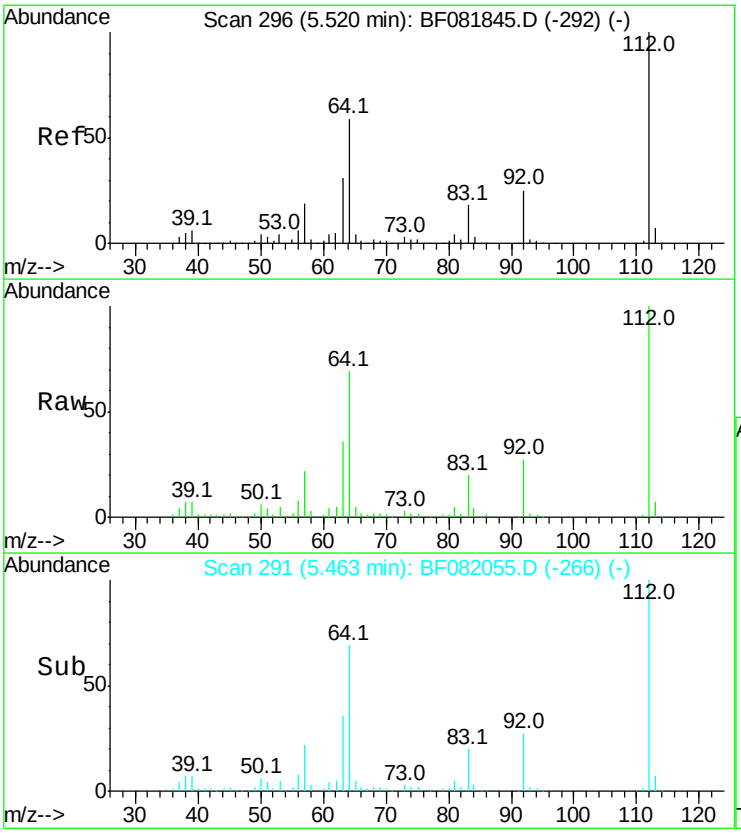
Tgt Ion:152 Resp: 97720

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.7	187.1
115	61.4	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

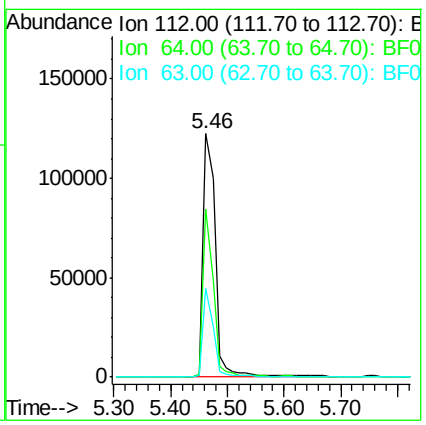
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:19 PM

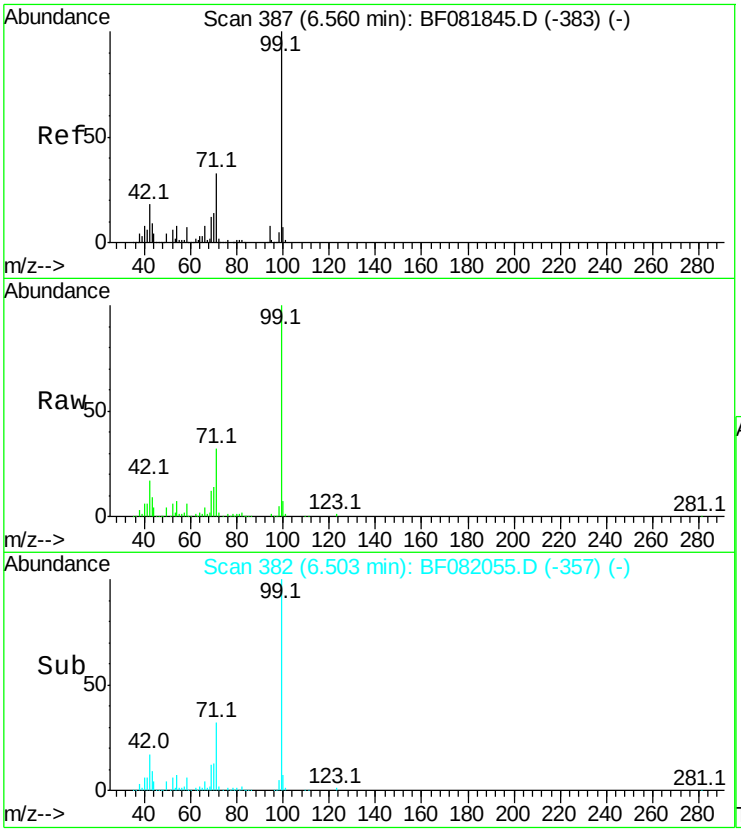


#5
2-Fluorophenol
Concen: 32.73 ng
RT: 5.46 min Scan# 291
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:112 Resp: 176183

Ion	Ratio	Lower	Upper
112	100		
64	68.8	39.7	59.5#
63	36.2	17.4	26.0#

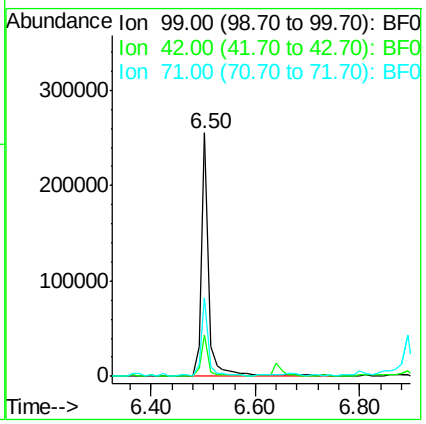




#7
Phenol-d6
Concen: 38.01 ng
RT: 6.50 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion: 99 Resp: 257499

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	32.2	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
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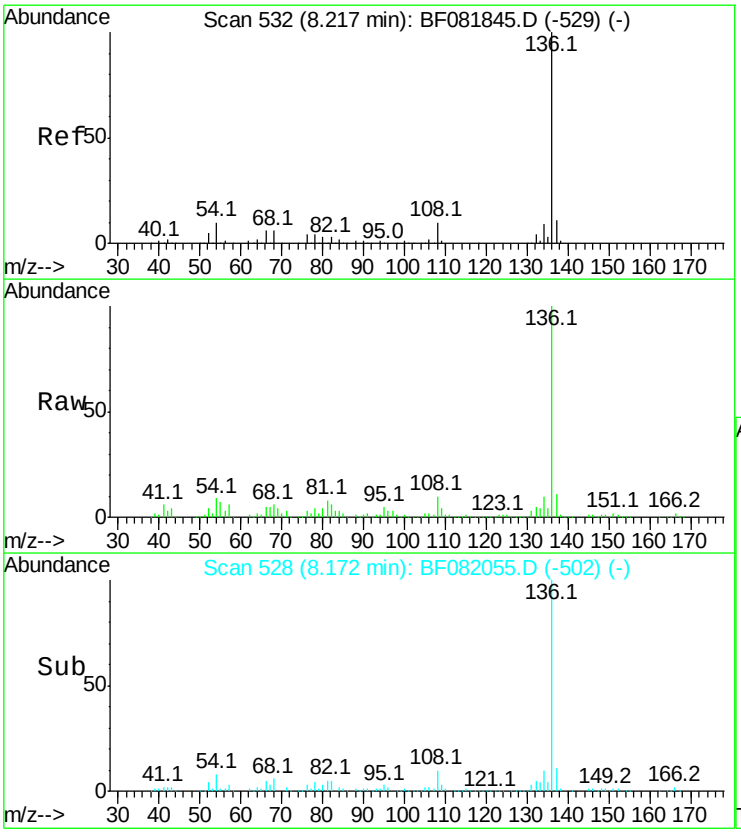
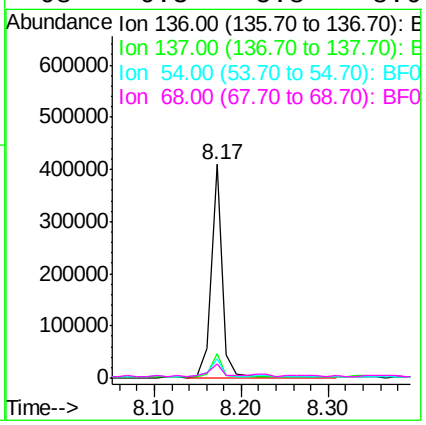
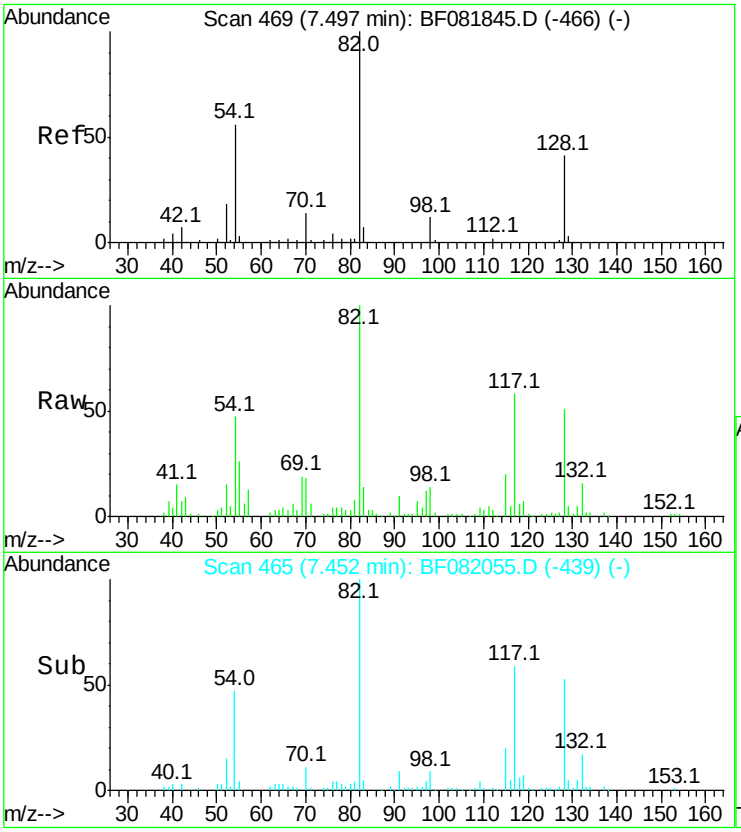


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:136 Resp: 370591

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.8	8.2	12.2
68	6.3	5.8	8.6

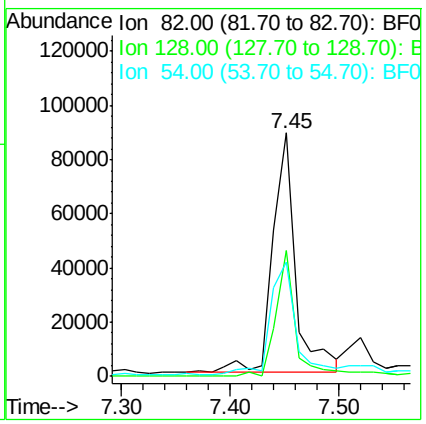




#23
Nitrobenzene-d5
Concen: 22.81 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion: 82 Resp: 126808

Ion	Ratio	Lower	Upper
82	100		
128	51.5	51.0	76.6
54	46.9	47.5	71.3#



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
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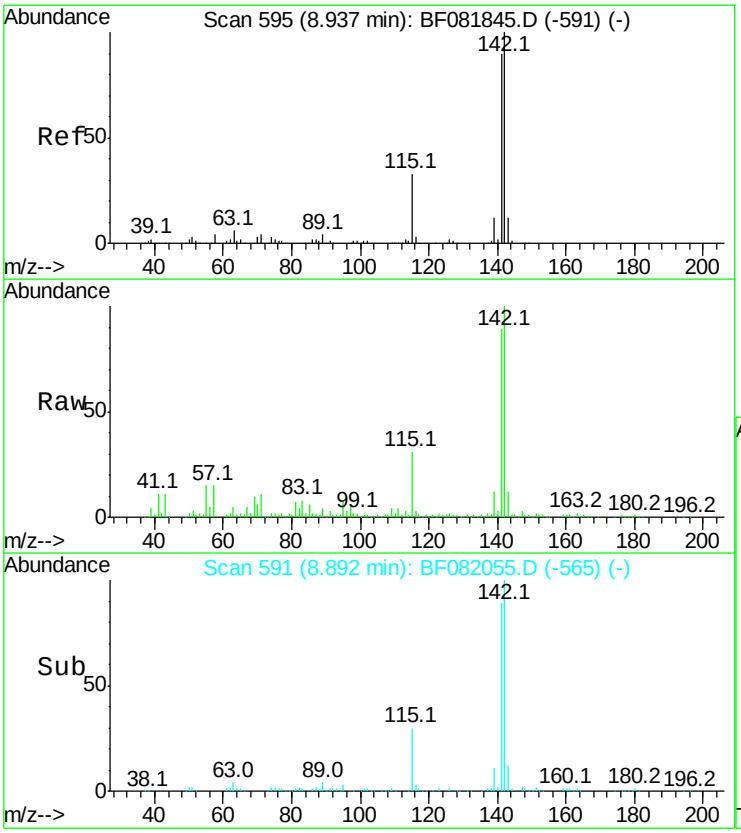
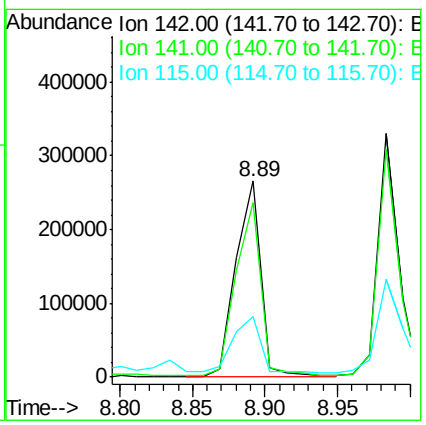
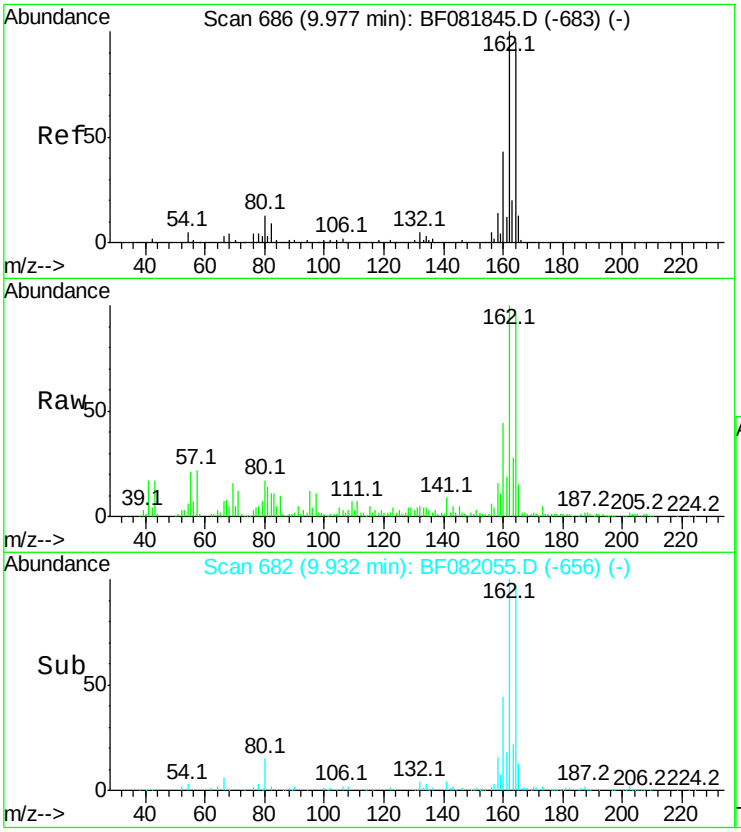


#37
2-Methylnaphthalene
Concen: 28.24 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:142 Resp: 316513

Ion	Ratio	Lower	Upper
142	100		
141	89.3	67.5	101.3
115	30.8	18.2	27.2#

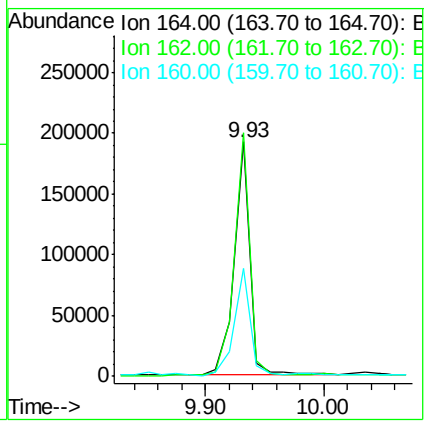




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:164 Resp: 177134

Ion	Ratio	Lower	Upper
164	100		
162	103.8	75.2	112.8
160	46.1	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
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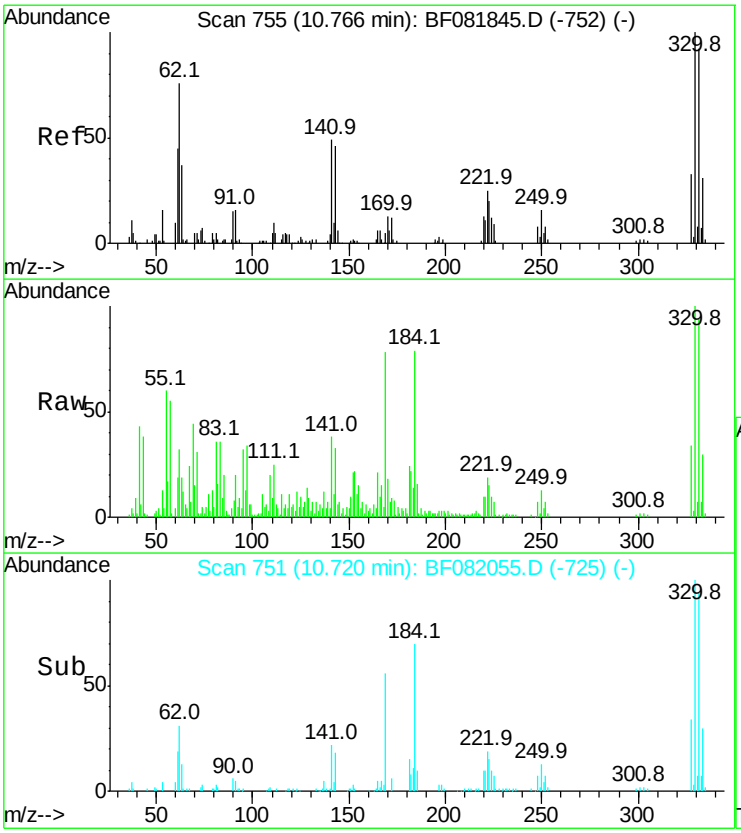
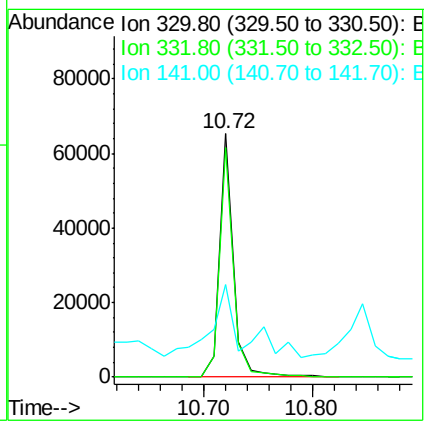
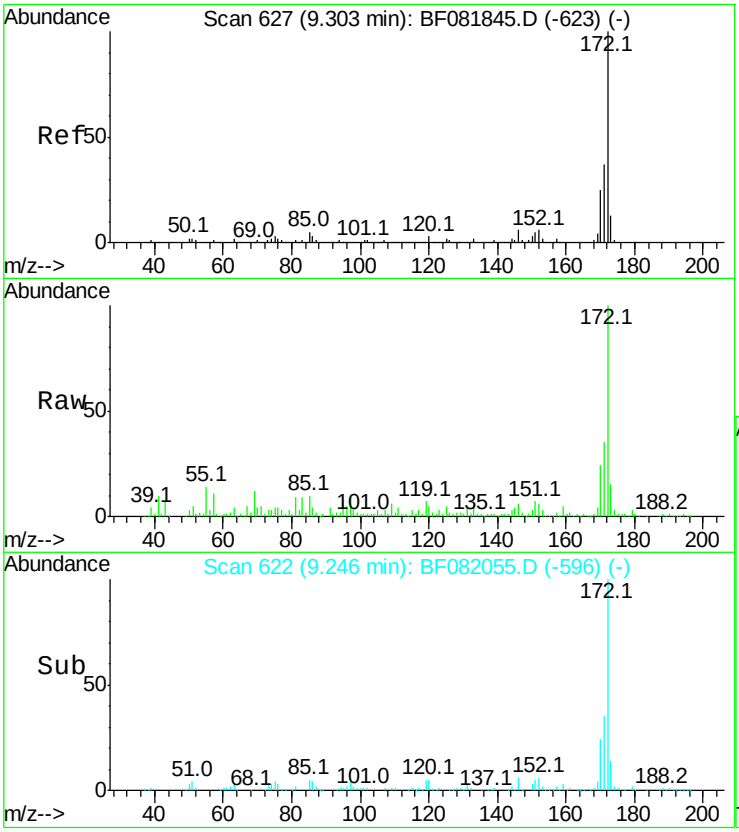


#41
2,4,6-Tribromophenol
Concen: 32.64 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:330 Resp: 58558

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.6	114.8
141	47.9	29.7	44.5#

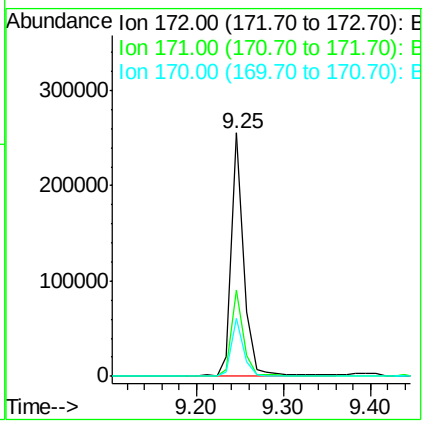




#44
2-Fluorobiphenyl
Concen: 20.19 ng
RT: 9.25 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:172 Resp: 252957

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.1	39.1
170	23.9	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
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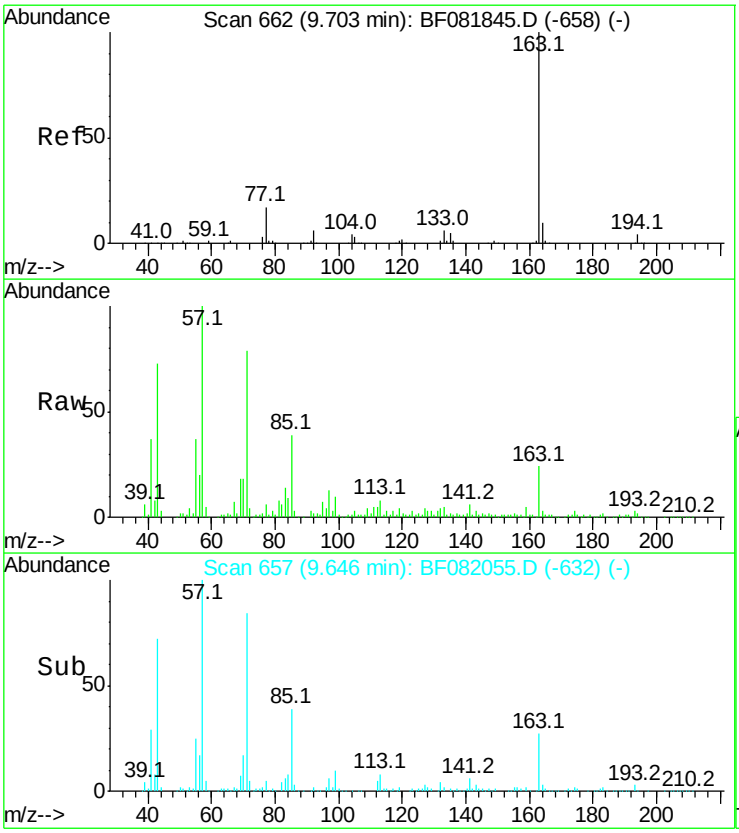
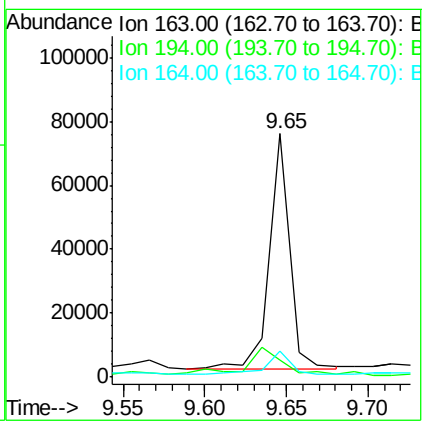
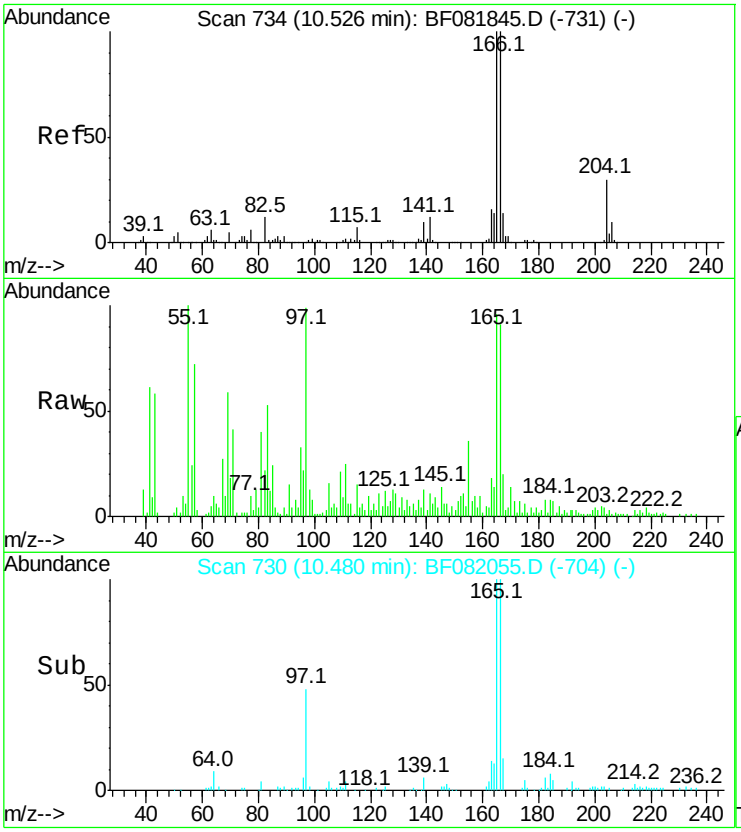


#49
Dimethylphthalate
Concen: 5.32 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:163 Resp: 64993

Ion	Ratio	Lower	Upper
163	100		
194	6.8	4.4	6.6#
164	10.9	8.3	12.5

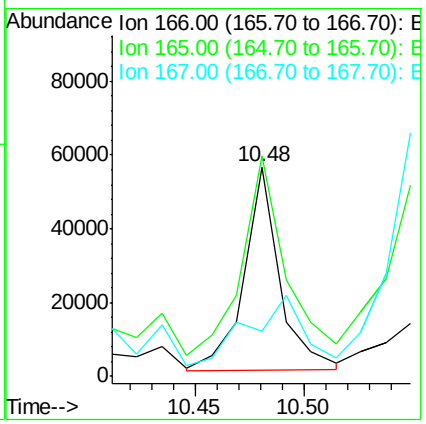




#57
Fluorene
Concen: 4.19 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:166 Resp: 63138

Ion	Ratio	Lower	Upper
166	100		
165	105.4	72.6	109.0
167	21.8	10.6	16.0#



Instrument :
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ClientSampleId :
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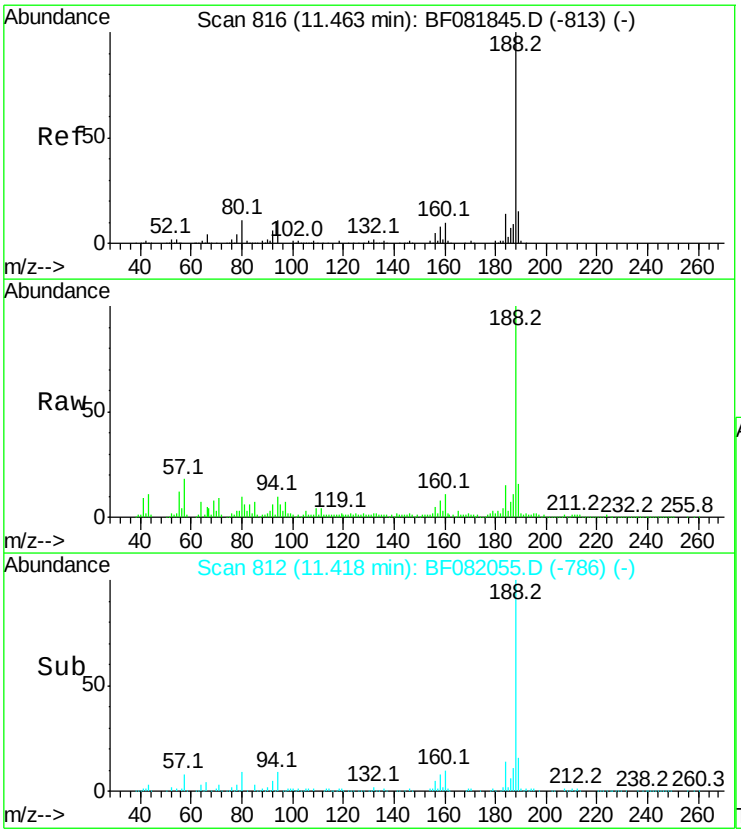
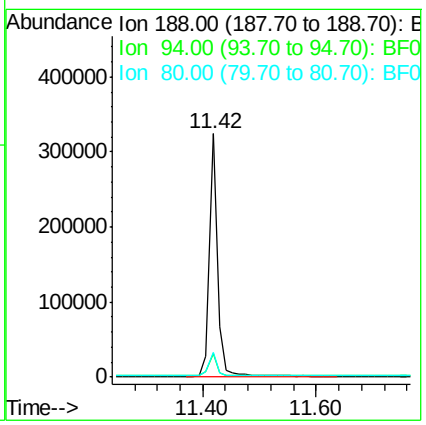
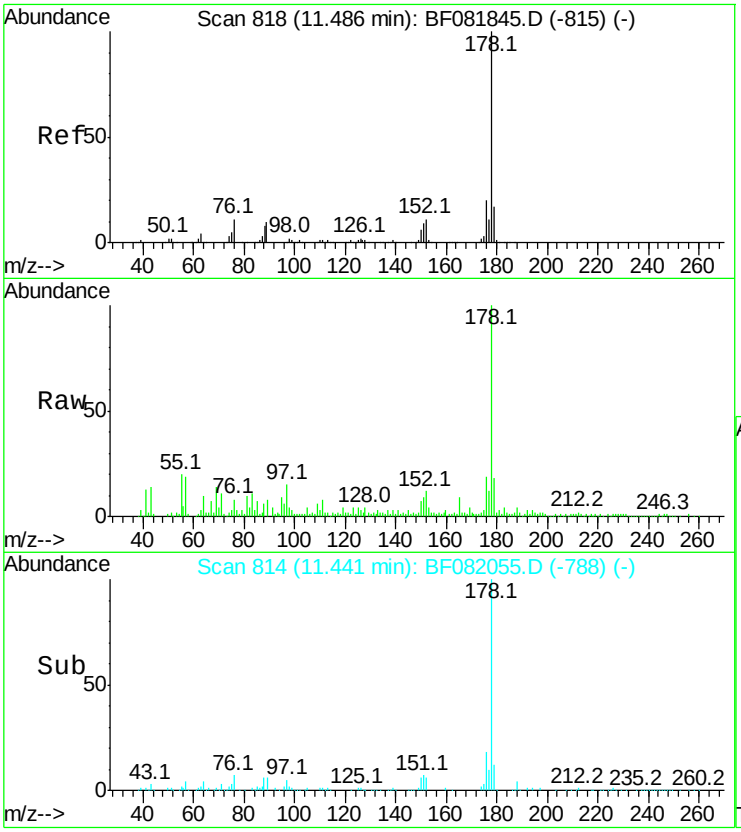


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:188 Resp: 311323

Ion	Ratio	Lower	Upper
188	100		
94	9.7	11.1	16.7#
80	10.2	11.0	16.4#

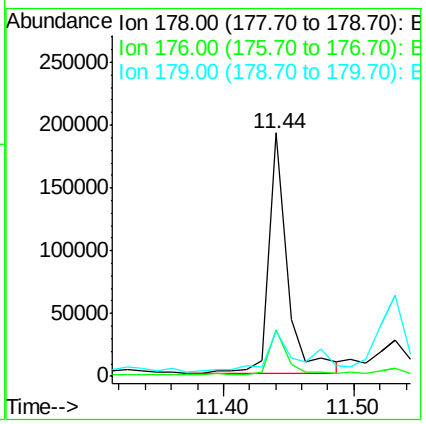




#70
Phenanthrene
Concen: 11.81 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:178 Resp: 195382

Ion	Ratio	Lower	Upper
178	100		
176	19.1	13.8	20.8
179	18.4	12.2	18.2#



Instrument :
BNA_F
ClientSampleId :
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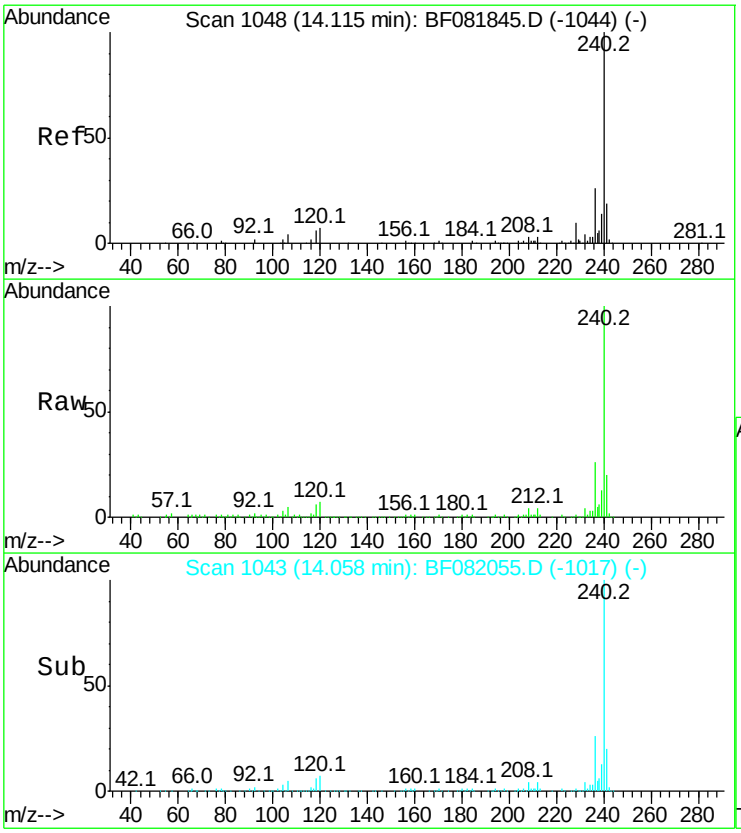
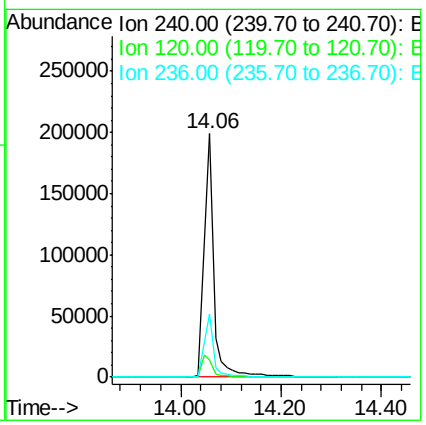
Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:19 PM

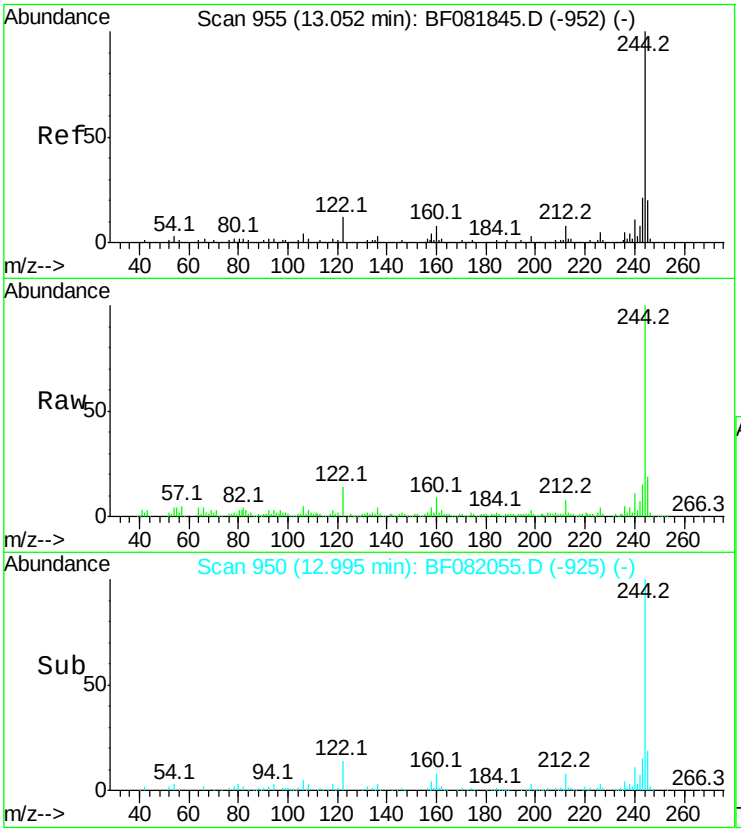


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:240 Resp: 269688

Ion	Ratio	Lower	Upper
240	100		
120	7.2	16.2	24.2#
236	26.1	18.4	27.6

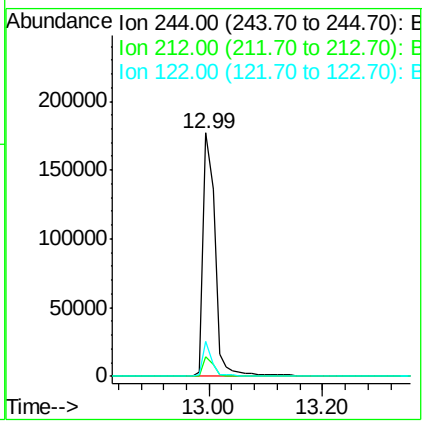




#78
Terphenyl-d14
Concen: 23.75 ng
RT: 12.99 min Scan# 950
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

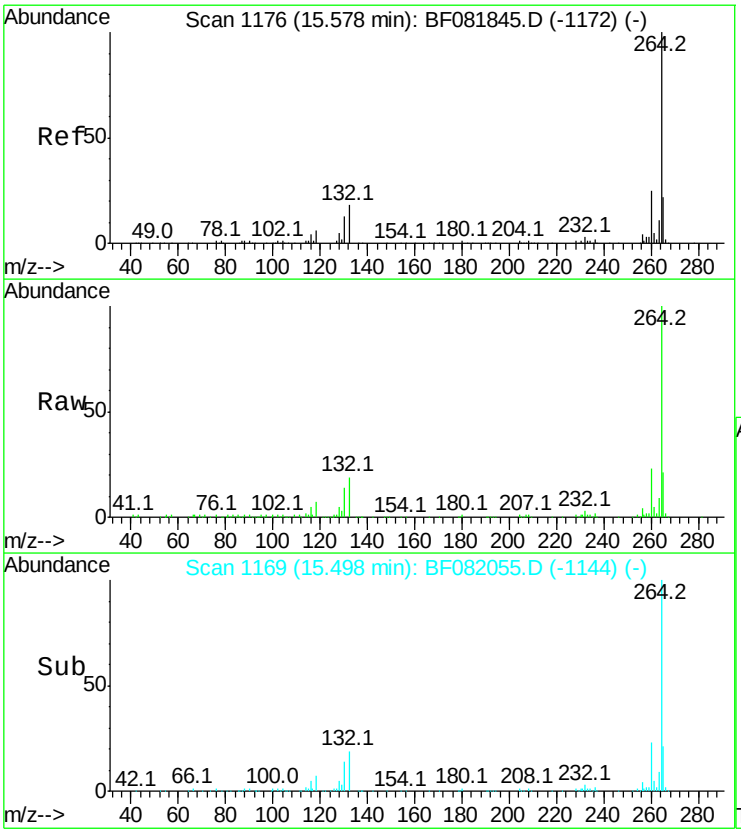
Tgt Ion:244 Resp: 248242

Ion	Ratio	Lower	Upper
244	100		
212	8.0	4.3	6.5#
122	14.1	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Manual Integrations APPROVED
MMDadoda
10/6/2015 2:54:19 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:264 Resp: 232155

Ion	Ratio	Lower	Upper
264	100		
260	23.1	16.7	25.1
265	21.3	17.2	25.8