Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082397.D
Acq On : 20 Oct 2015 12:12
Operator : UM/IZ
Sample : G4040-05RE
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:26:20 PM

Quant Time: Oct 20 14:15:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	92881	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	355426	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	170640	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	276656	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	214786	20.00	ng	0.03
86) Perylene-d12	15.59	264	196429	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	503356	109.37	ng	-0.03
7) Phenol-d6	6.45	99	646996	108.03	ng	-0.03
23) Nitrobenzene-d5	7.37	82	375487	70.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	127184	79.48	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	866229	84.18	ng	-0.03
78) Terphenyl-d14	12.94	244	593281	73.20	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	172437	14.35	ng	99
70) Phenanthrene	11.36	178	41124	3.03	ng	98
74) Fluoranthene	12.56	202	49704	3.41	ng	97
77) Pyrene	12.79	202	52885	4.15	ng	97
80) Benzo(a)anthracene	14.04	228	30885	2.76	ng	94
87) Benzo(b)fluoranthene	15.17	252	30782m	2.58	ng	

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

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Manual Integrations APPROVED
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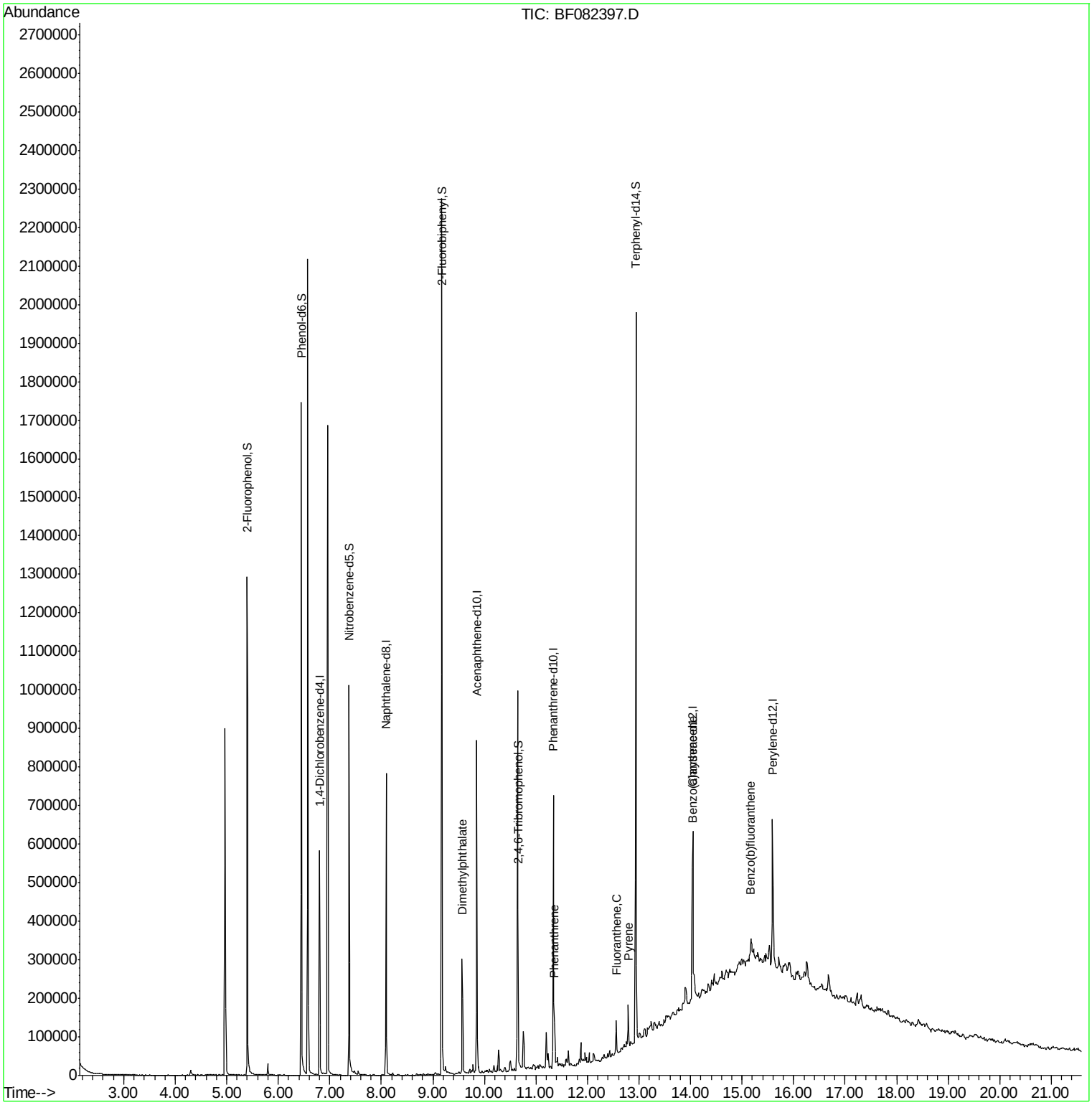
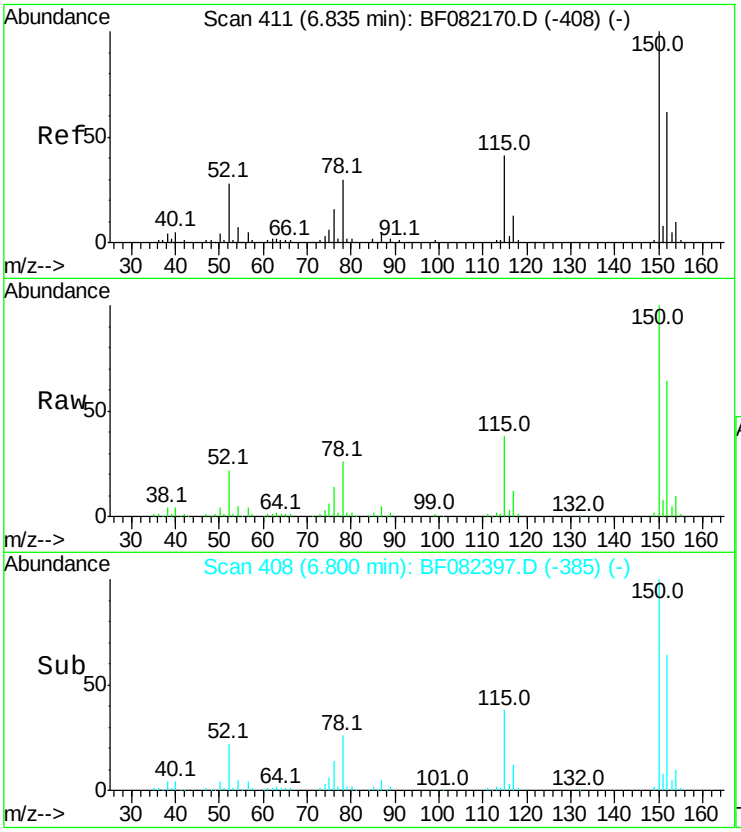
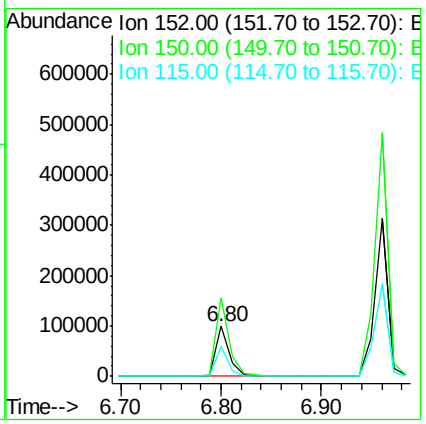




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:152 Resp: 92881

Ion	Ratio	Lower	Upper
152	100		
150	157.2	129.0	193.4
115	60.5	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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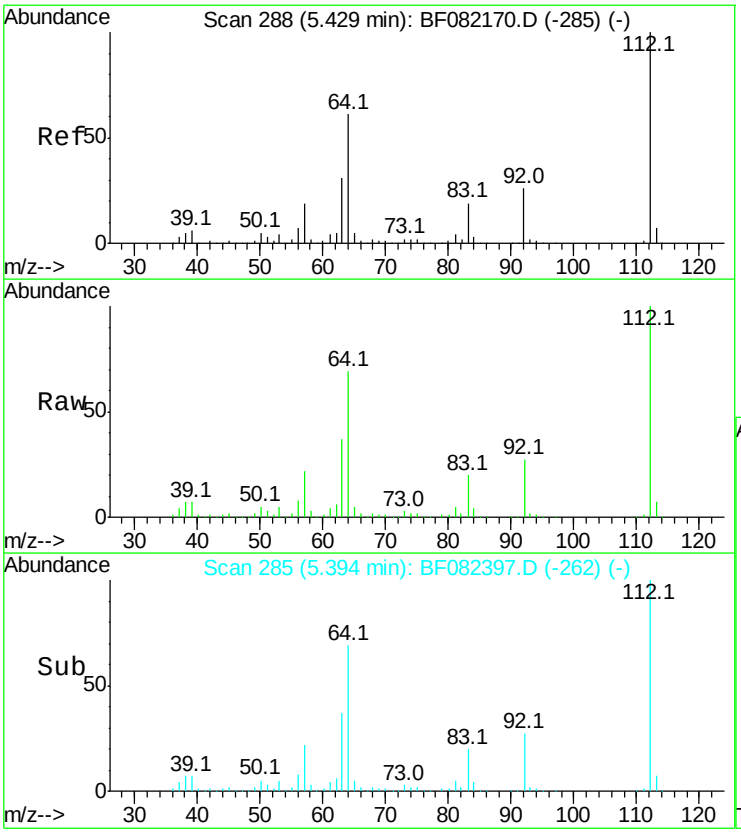
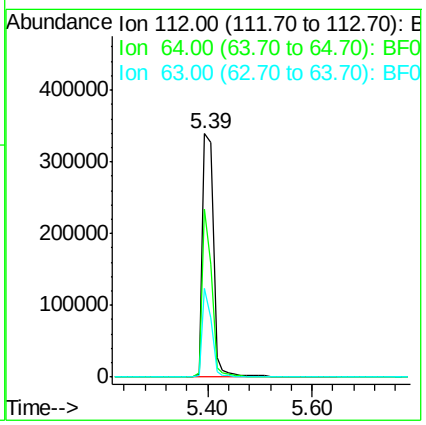
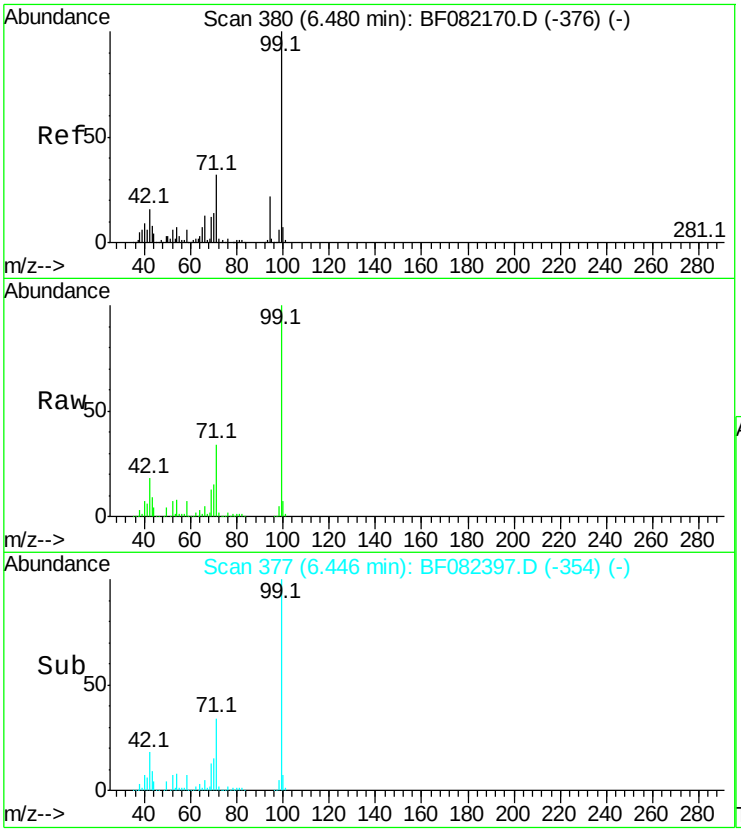


#5
2-Fluorophenol
Concen: 109.37 ng
RT: 5.39 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:112 Resp: 503356

Ion	Ratio	Lower	Upper
112	100		
64	69.1	48.6	73.0
63	36.6	25.1	37.7

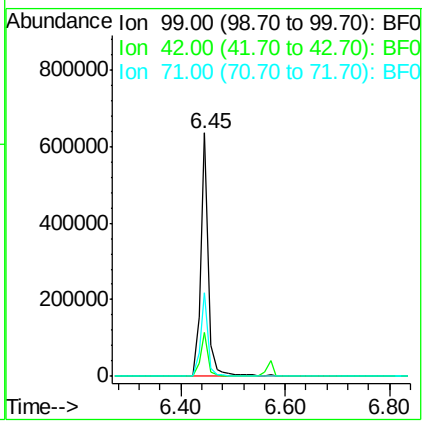




#7
Phenol-d6
Concen: 108.03 ng
RT: 6.45 min Scan# 377
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion: 99 Resp: 646996

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.2	19.8
71	34.3	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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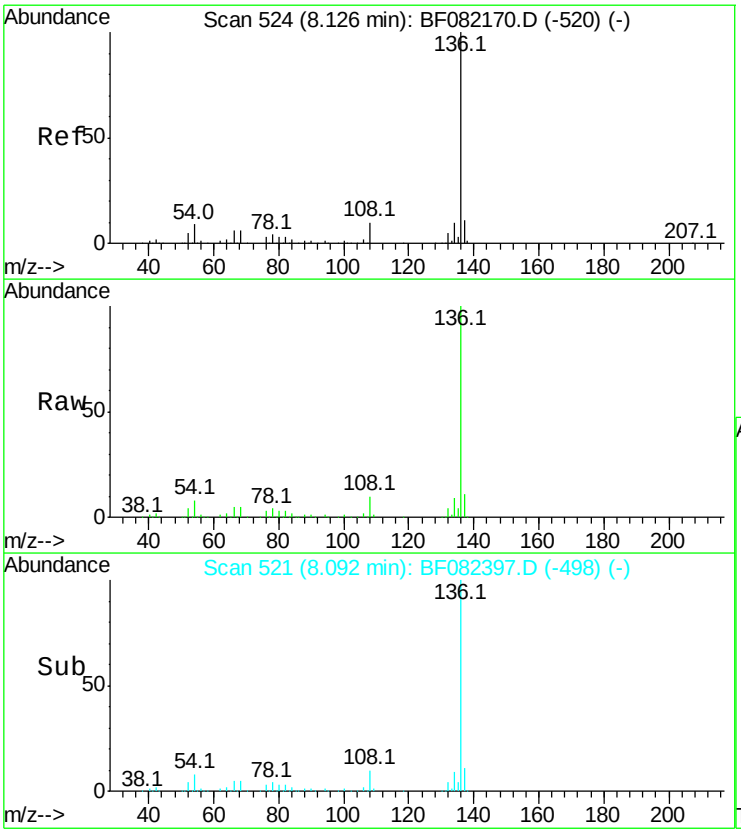
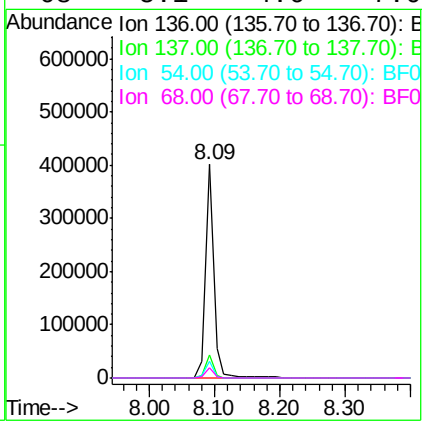
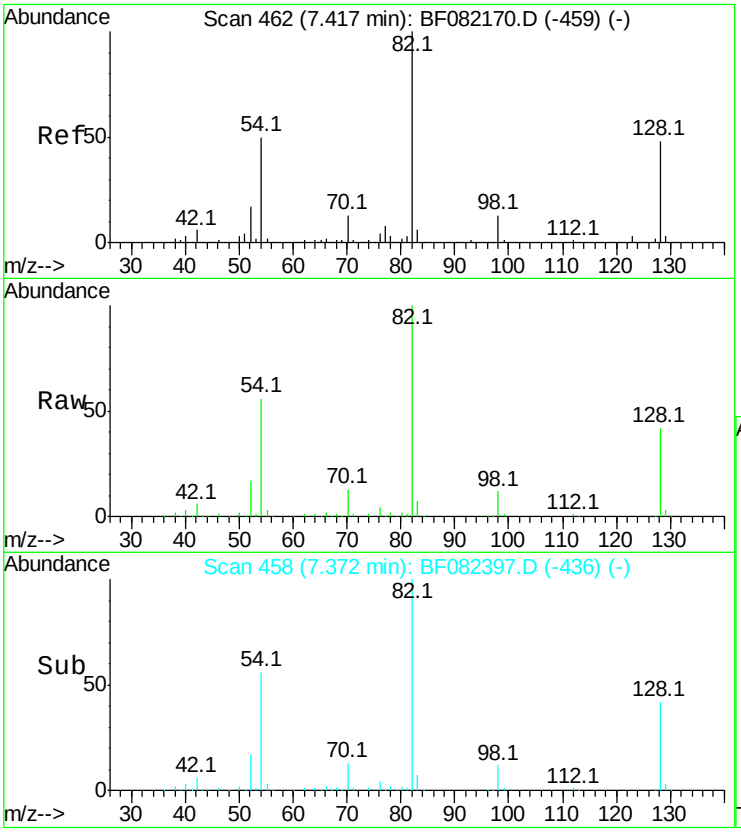


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:136 Resp: 355426

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.8	7.5	11.3
68	5.1	4.6	7.0

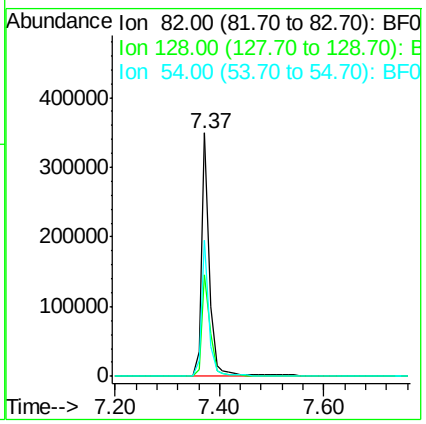




#23
Nitrobenzene-d5
Concen: 70.95 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion: 82 Resp: 375487

Ion	Ratio	Lower	Upper
82	100		
128	41.7	38.7	58.1
54	55.7	40.1	60.1



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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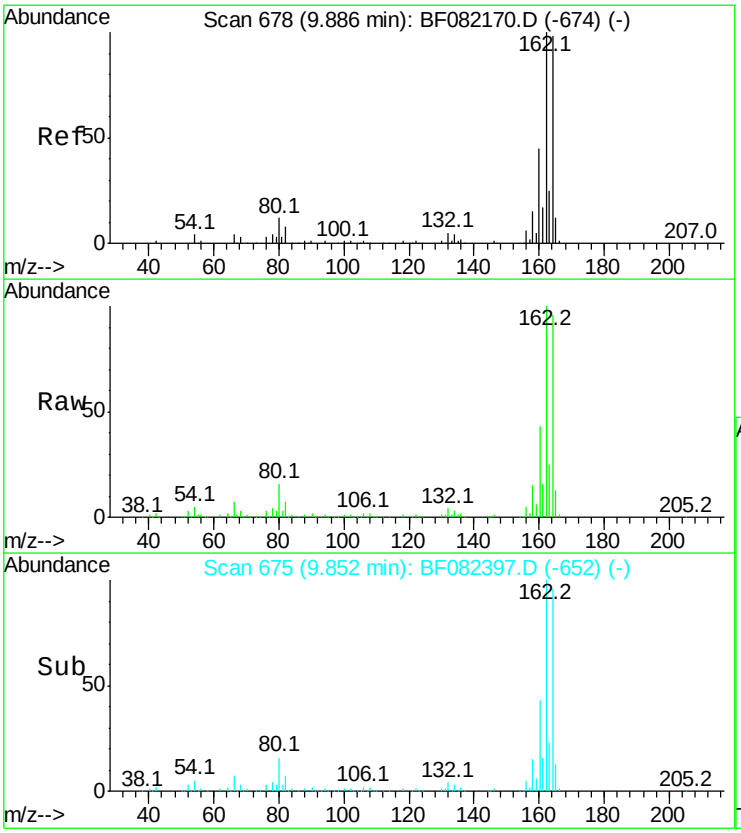
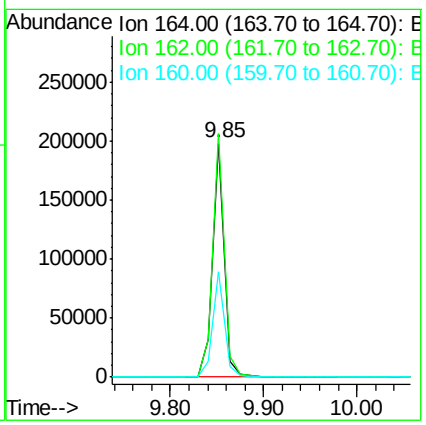
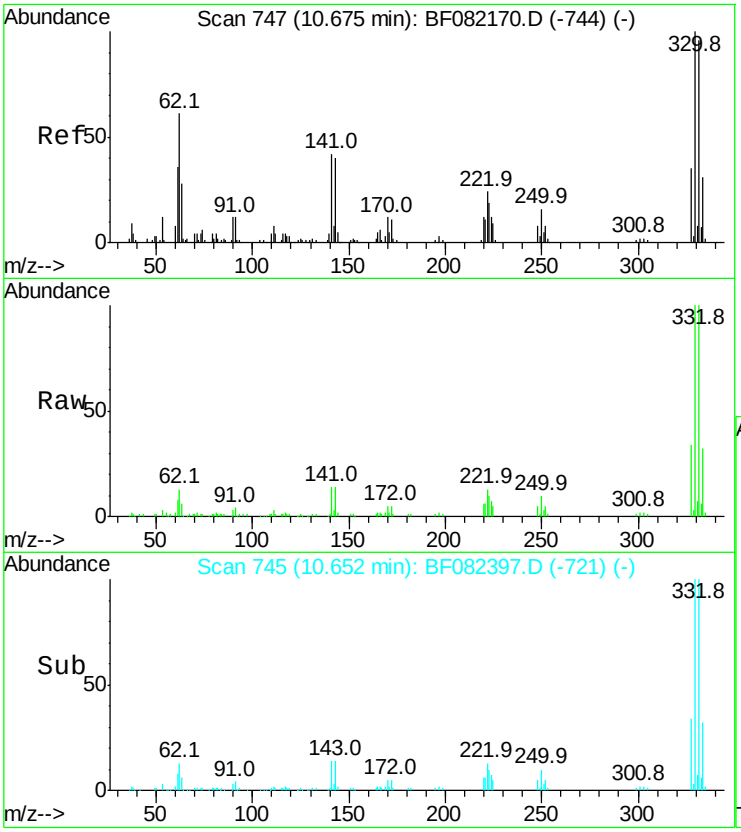


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:164 Resp: 170640

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.6	122.4
160	45.0	36.4	54.6

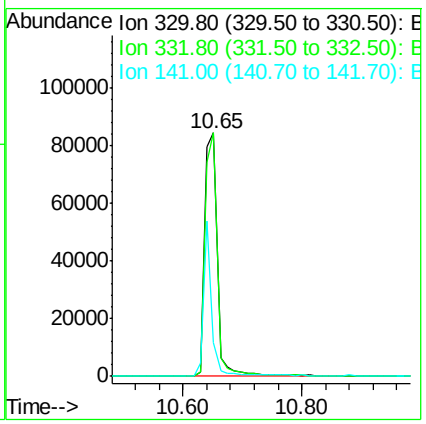




#41
2,4,6-Tribromophenol
Concen: 79.48 ng
RT: 10.65 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:330 Resp: 127184

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	41.3	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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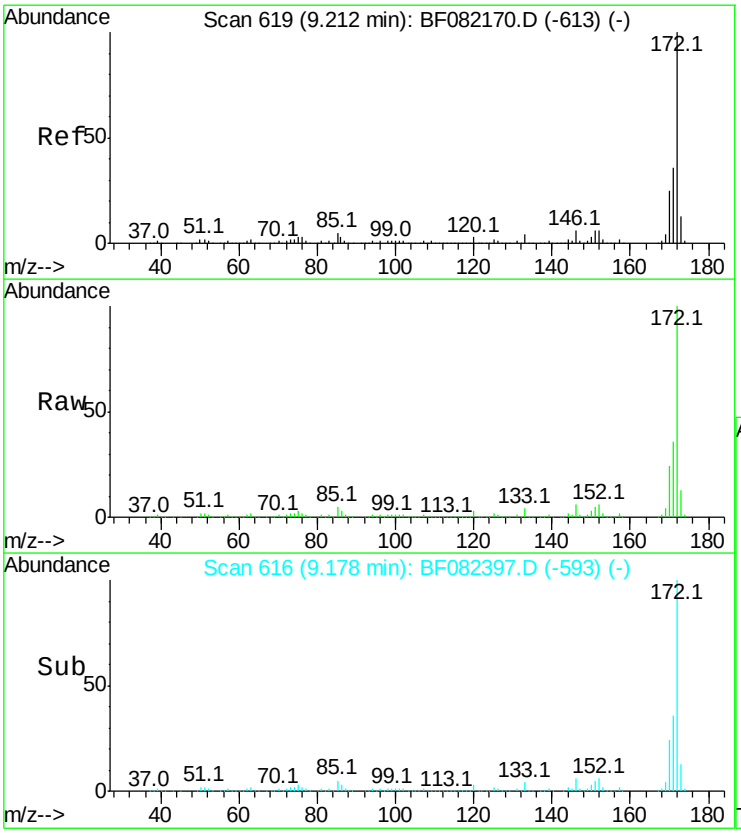
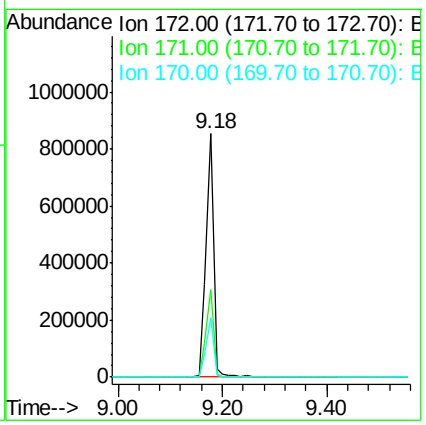
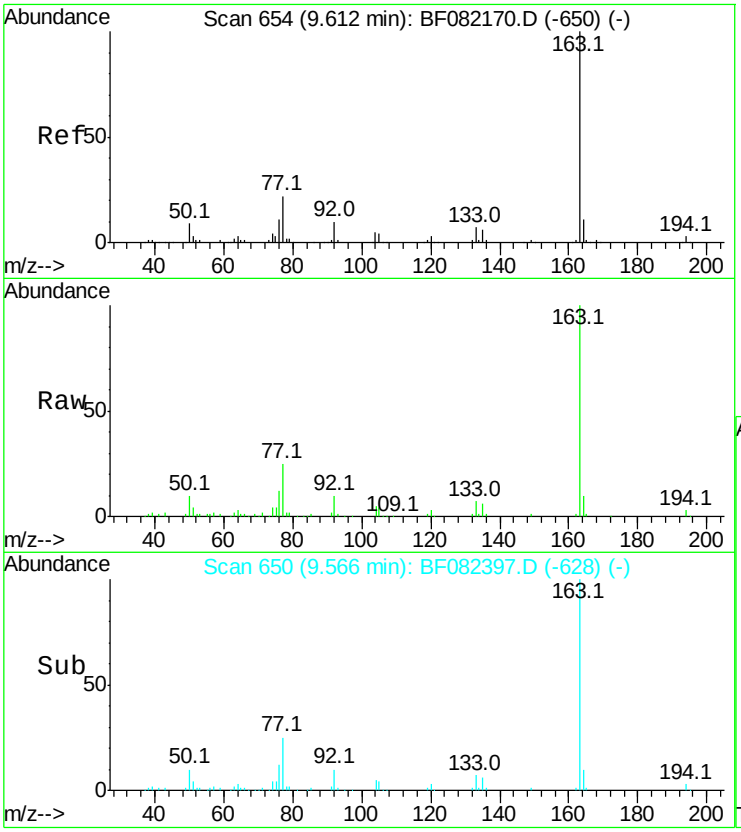


#44
2-Fluorobiphenyl
Concen: 84.18 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:172 Resp: 866229

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.1	19.7	29.5

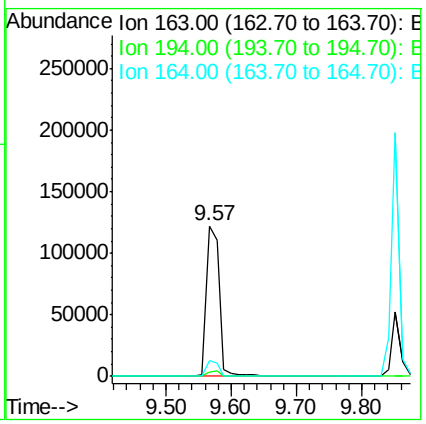




#49
Dimethylphthalate
Concen: 14.35 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:163 Resp: 172437

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.6	4.0
164	10.5	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

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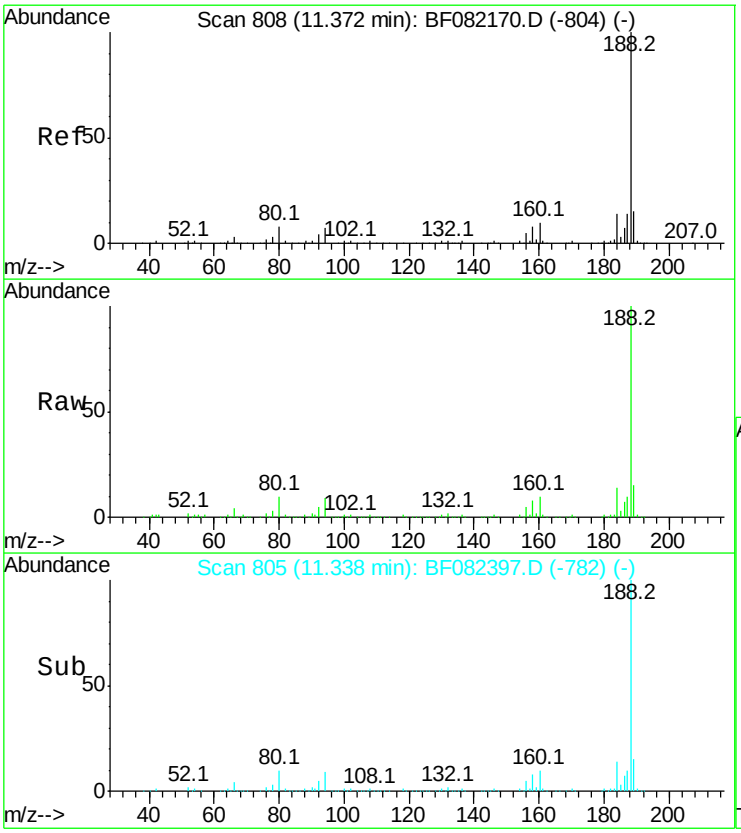
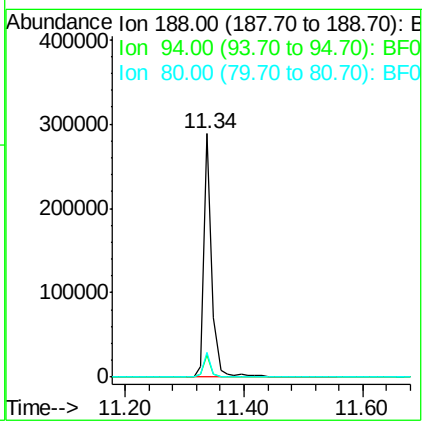
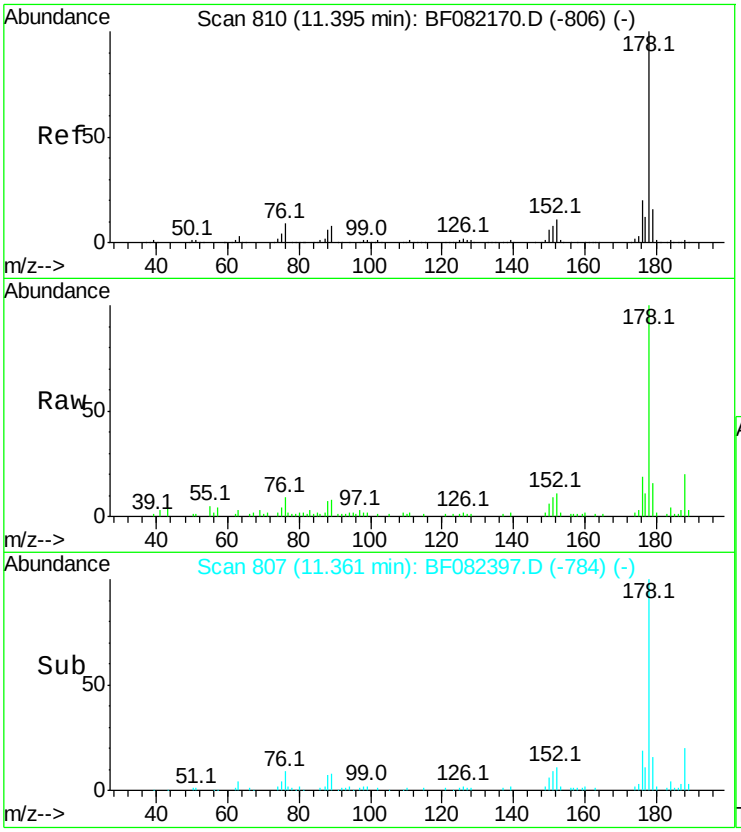


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:188 Resp: 276656

Ion	Ratio	Lower	Upper
188	100		
94	9.3	5.8	8.6#
80	10.0	6.4	9.6#

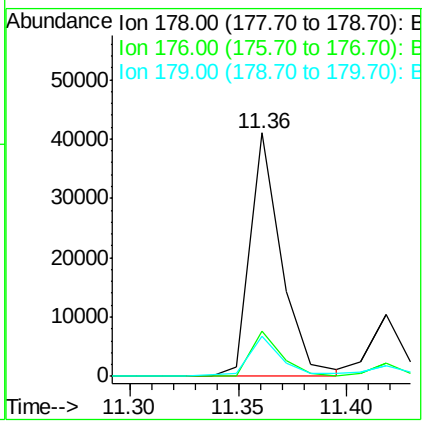




#70
Phenanthrene
Concen: 3.03 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:178 Resp: 41124

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	16.3	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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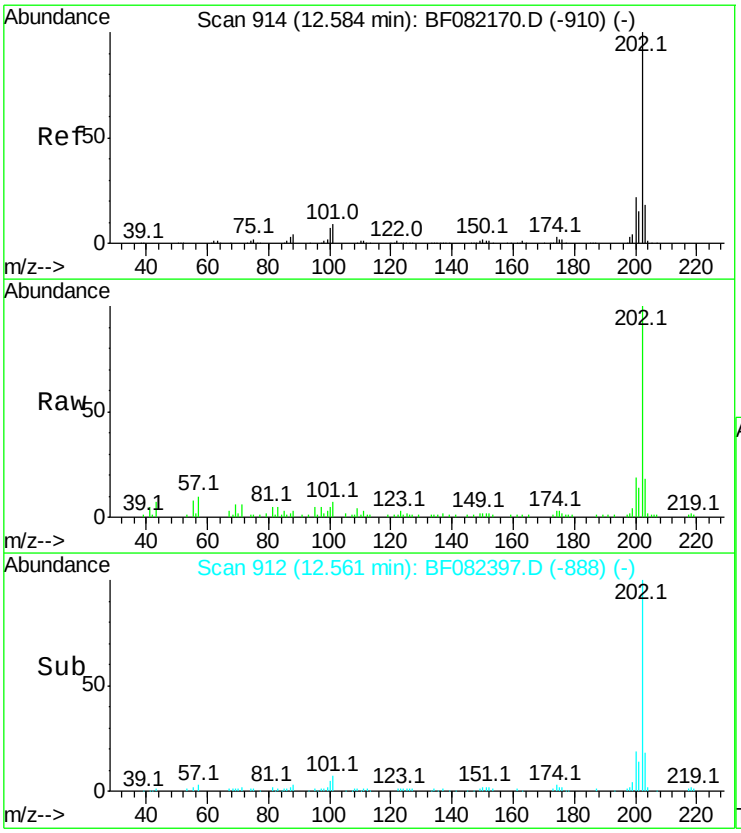
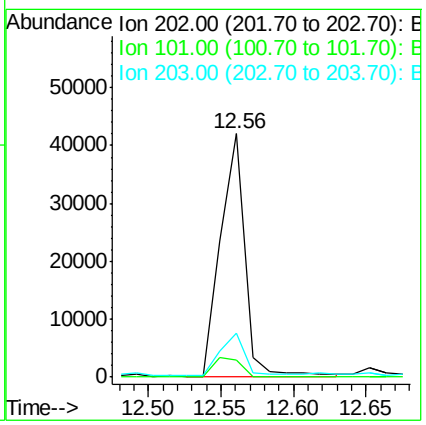
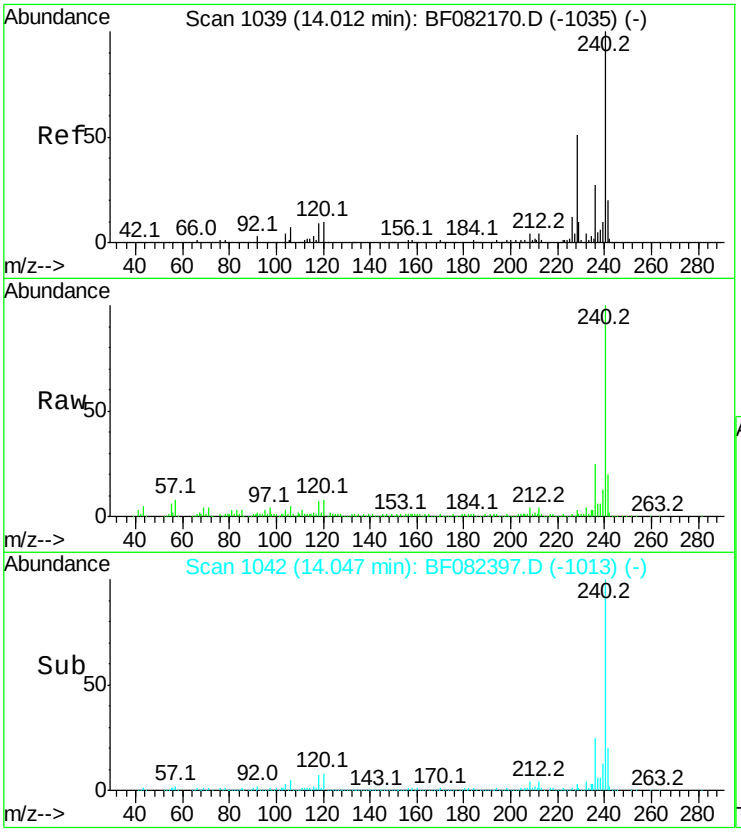


#74
Fluoranthene
Concen: 3.41 ng
RT: 12.56 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:202 Resp: 49704

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	29.3
203	18.3	0.0	37.8





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:240 Resp: 214786

Ion	Ratio	Lower	Upper
240	100		
120	8.0	8.1	12.1#
236	25.1	21.3	31.9

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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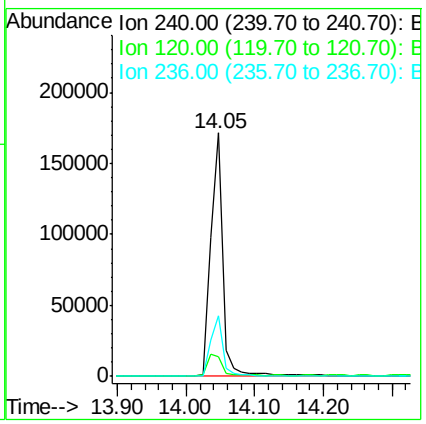
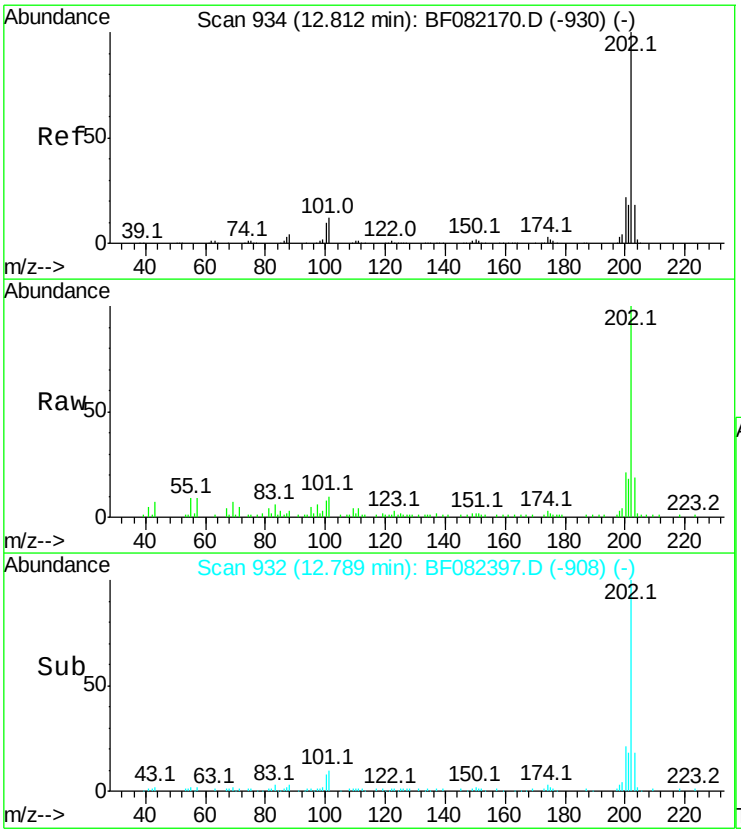
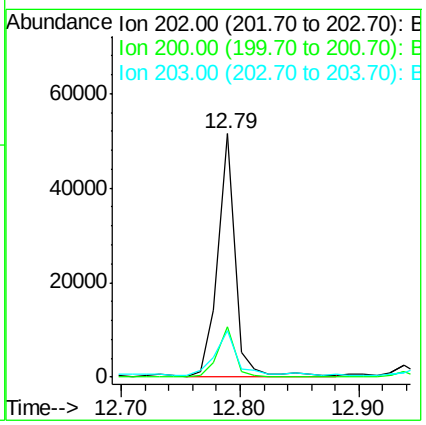


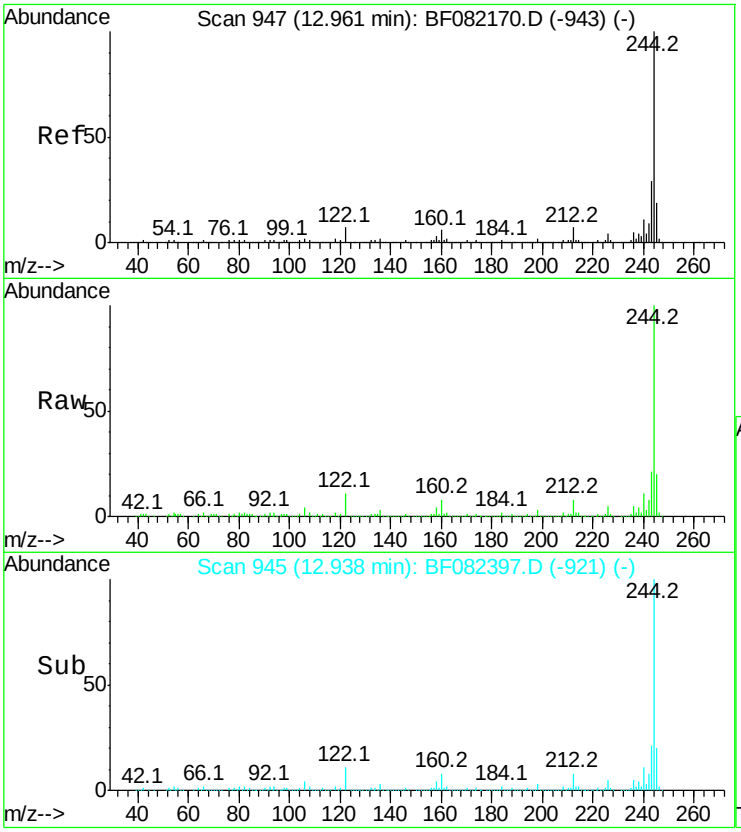


#77
Pyrene
Concen: 4.15 ng
RT: 12.79 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:202 Resp: 52885

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.9	26.9
203	18.9	14.5	21.7

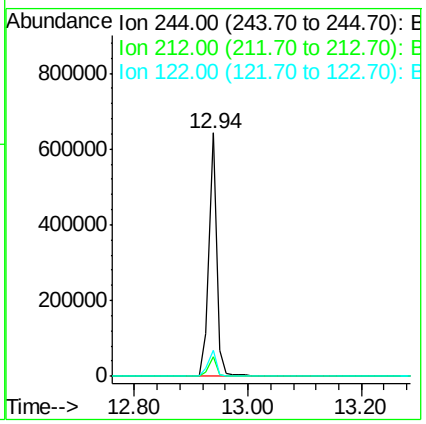




#78
Terphenyl-d14
Concen: 73.20 ng
RT: 12.94 min Scan# 945
Delta R.T. -0.02 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:244 Resp: 593281

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.6
122	10.8	5.9	8.9#



Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
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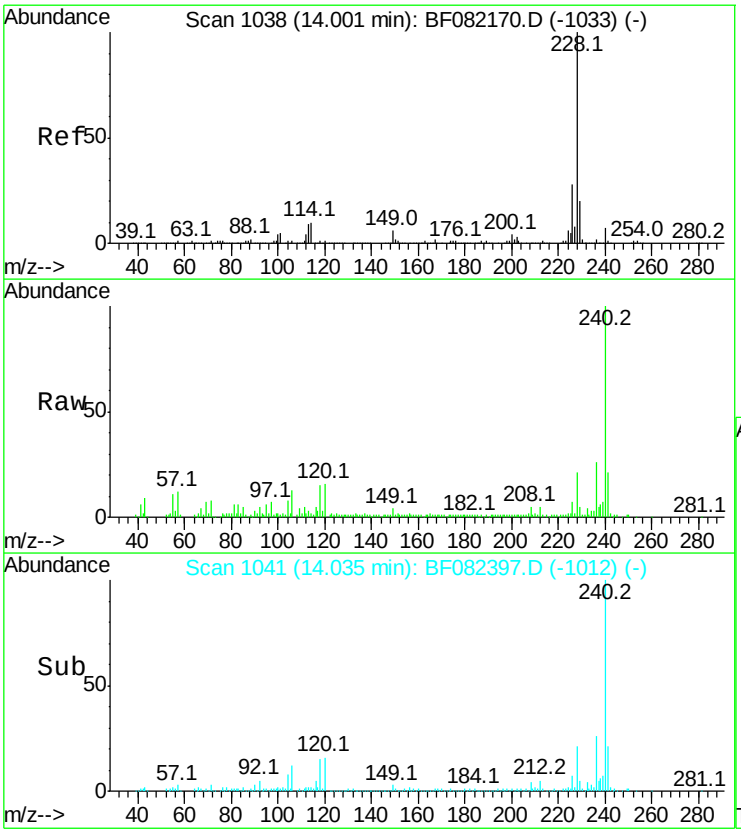
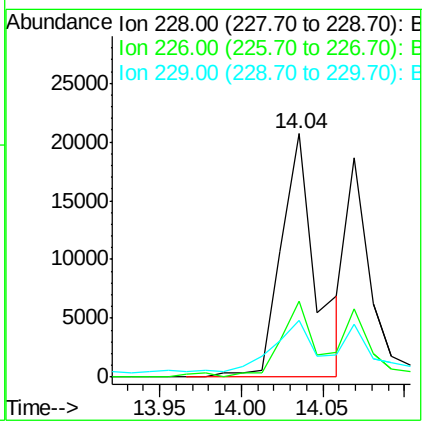
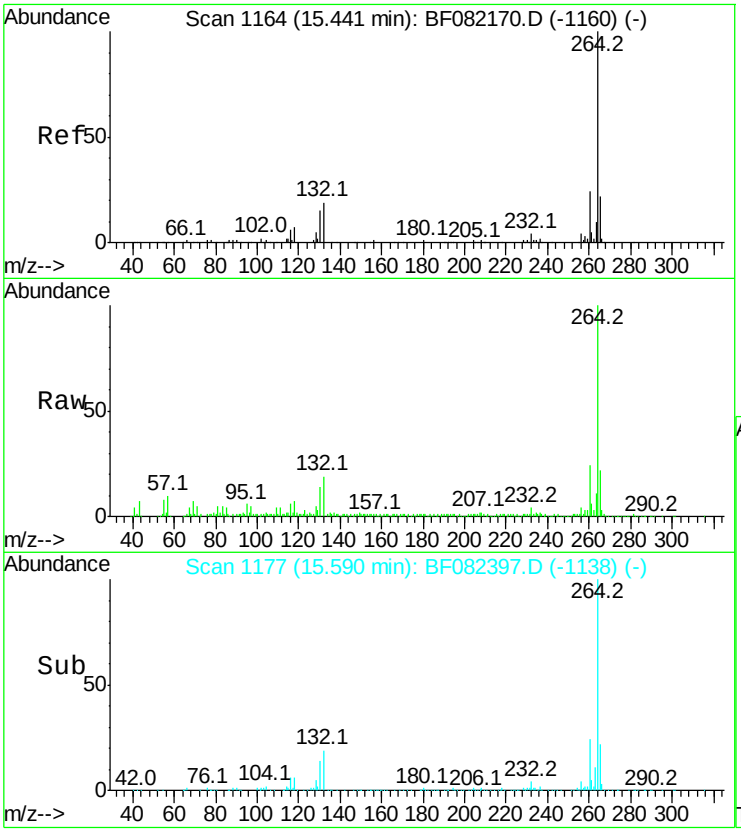


#80
Benzo(a)anthracene
Concen: 2.76 ng
RT: 14.04 min Scan# 1041
Delta R.T. 0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:228 Resp: 30885

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	23.2	16.2	24.2





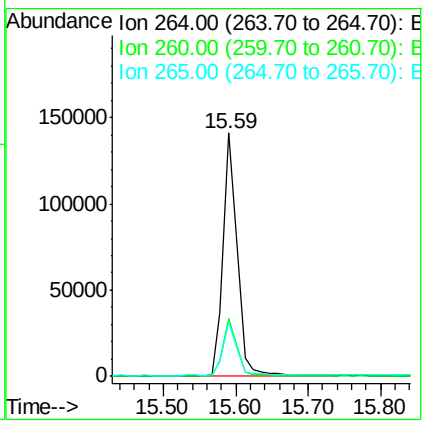
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1177
Delta R.T. 0.15 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

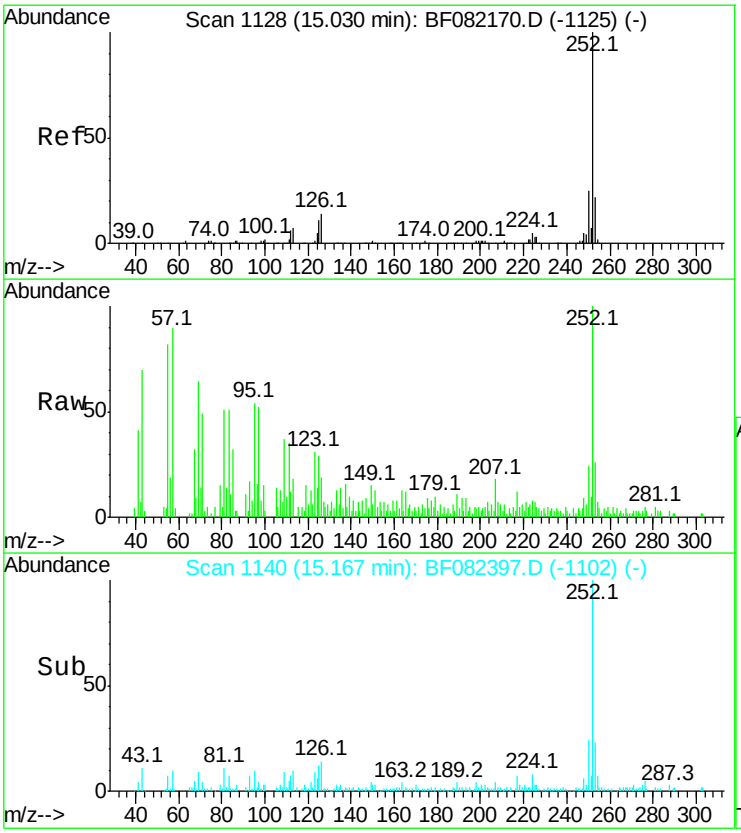
Tgt Ion:264 Resp: 196429

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.0	17.3	25.9

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:26:20 PM





#87
Benzo(b)fluoranthene
Concen: 2.58 ng m
RT: 15.17 min Scan# 1140
Delta R.T. 0.14 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:252 Resp: 30782

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	29.0	8.6	12.8#