Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
Data File : BF085273.D
Acq On : 8 Mar 2016 23:31
Operator : UM/SJ
Sample : H1684-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
UMANGI
3/9/2016 9:30:52 AM

Quant Time: Mar 09 01:21:11 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	156071	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	593858	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	291720	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	541773	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	390037	20.00	ng	-0.03
86) Perylene-d12	15.58	264	269688	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1265470	136.01	ng	0.00
7) Phenol-d6	6.58	99	1259655	103.33	ng	-0.02
23) Nitrobenzene-d5	7.52	82	950548	85.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	379084	151.87	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1824363	95.11	ng	-0.02
78) Terphenyl-d14	13.08	244	1839125	109.46	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.26	128	1078358	36.93	ng	99
37) 2-Methylnaphthalene	8.95	142	99715	5.32	ng	96
51) Acenaphthene	10.04	154	56468	3.15	ng	97
57) Fluorene	10.55	166	38370	2.08	ng	99
70) Phenanthrene	11.51	178	78812	2.78	ng	96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
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Acq On : 8 Mar 2016 23:31
Operator : UM/SJ
Sample : H1684-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 09 01:21:11 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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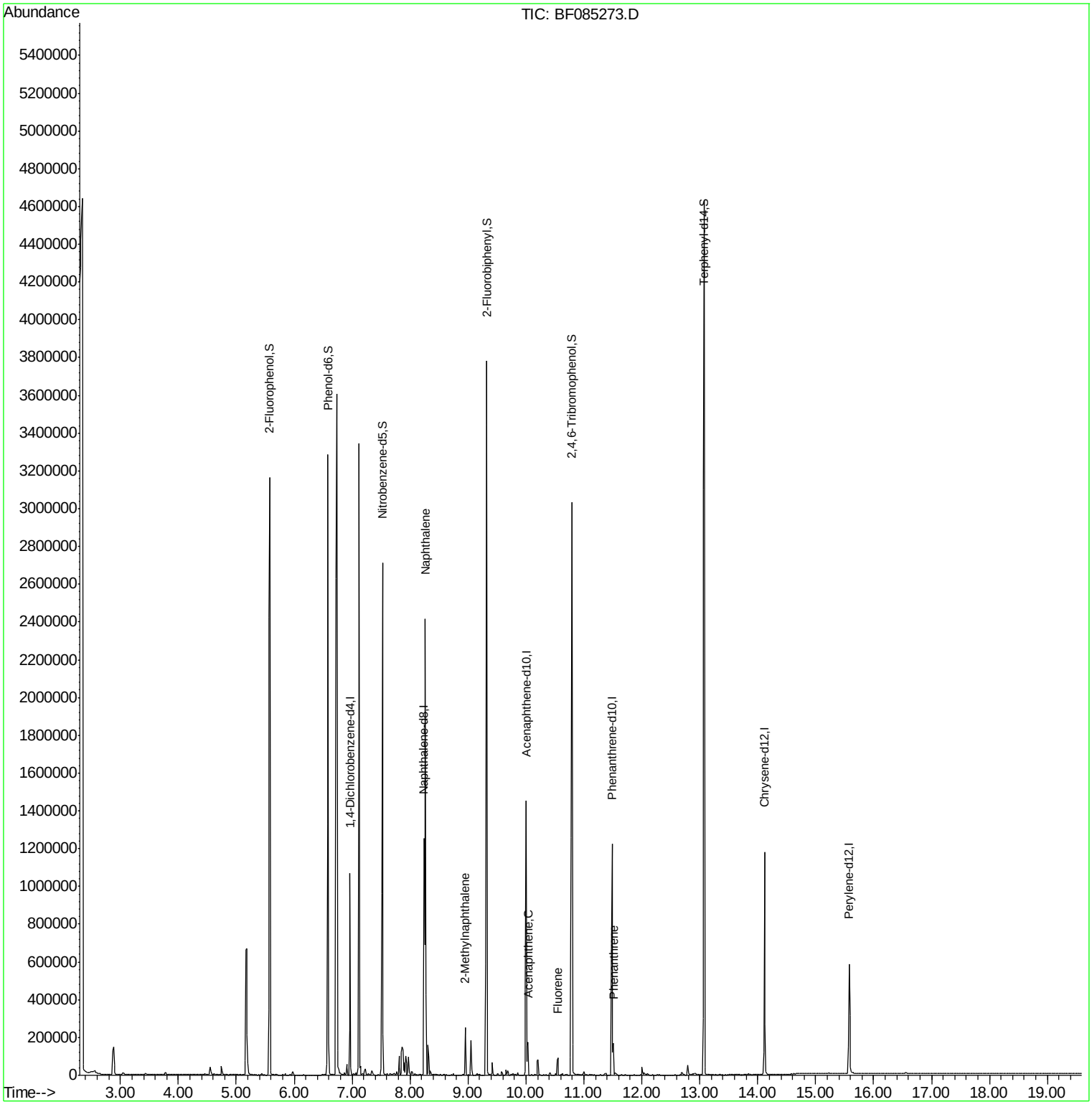
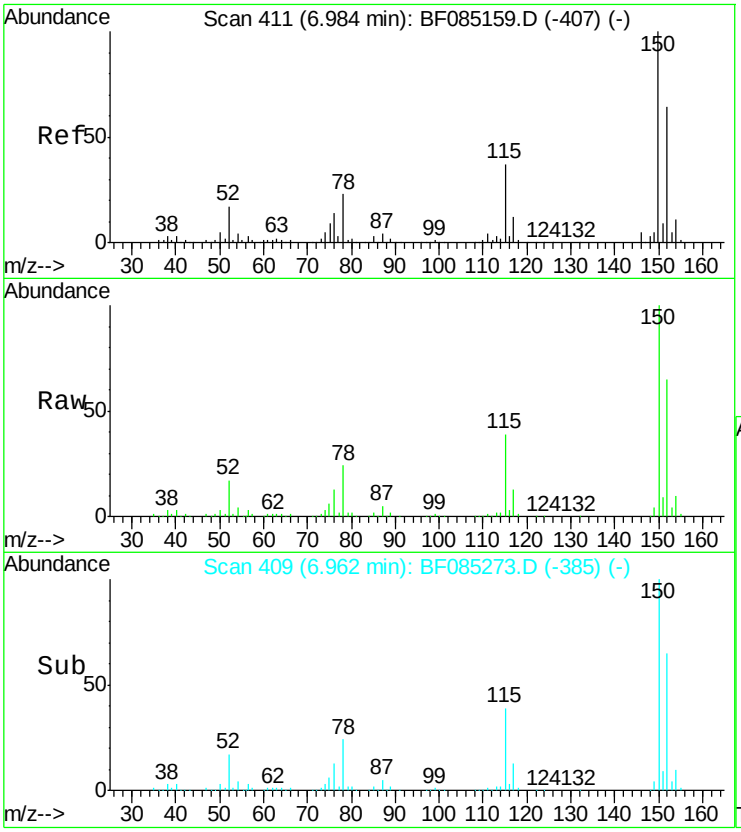
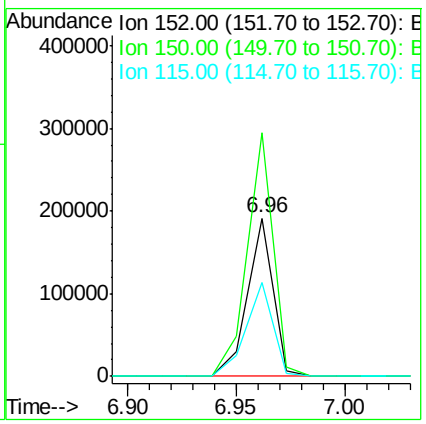




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 409
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:152 Resp: 156071

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	59.6	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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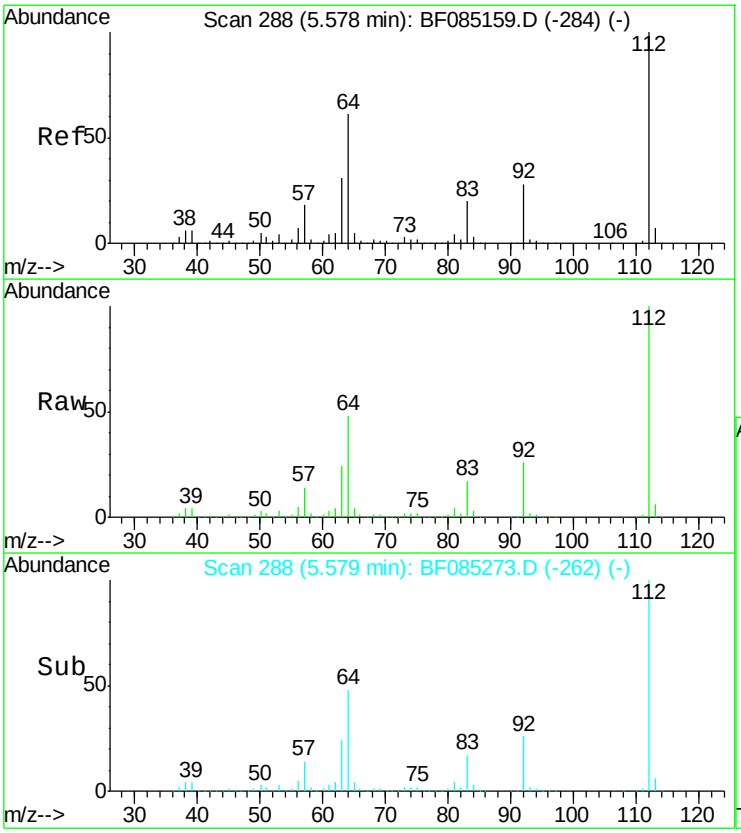
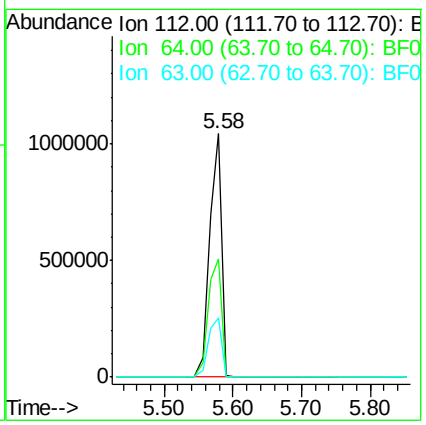
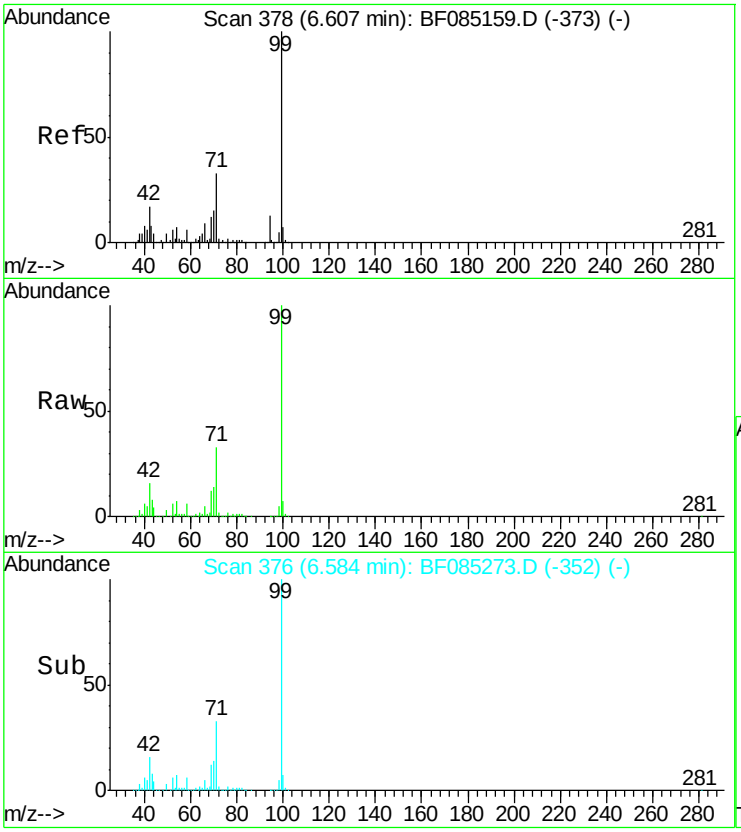


#5
2-Fluorophenol
Concen: 136.01 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:112 Resp: 1265470

Ion	Ratio	Lower	Upper
112	100		
64	48.3	49.0	73.4#
63	24.2	24.8	37.2#

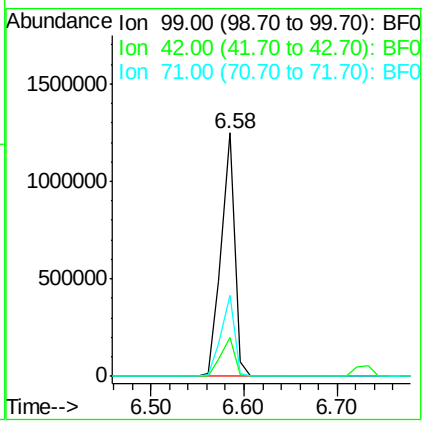




#7
Phenol-d6
Concen: 103.33 ng
RT: 6.58 min Scan# 376
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion: 99 Resp: 1259655

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.6	20.4
71	33.2	26.7	40.1



Instrument :
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ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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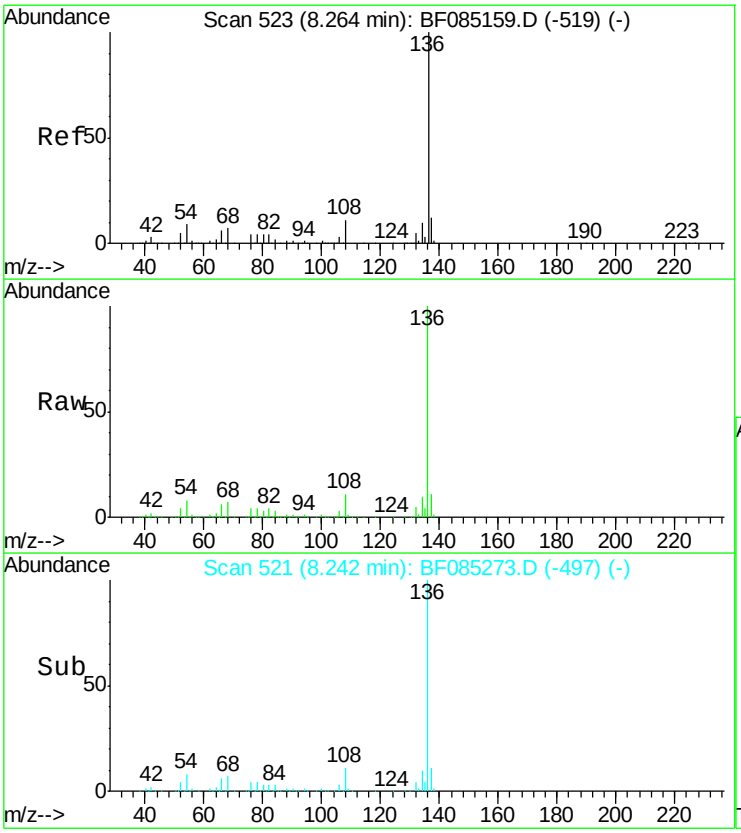
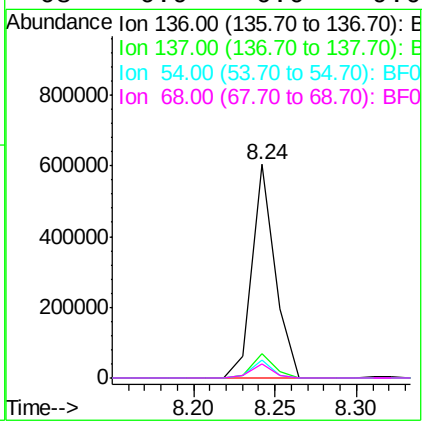
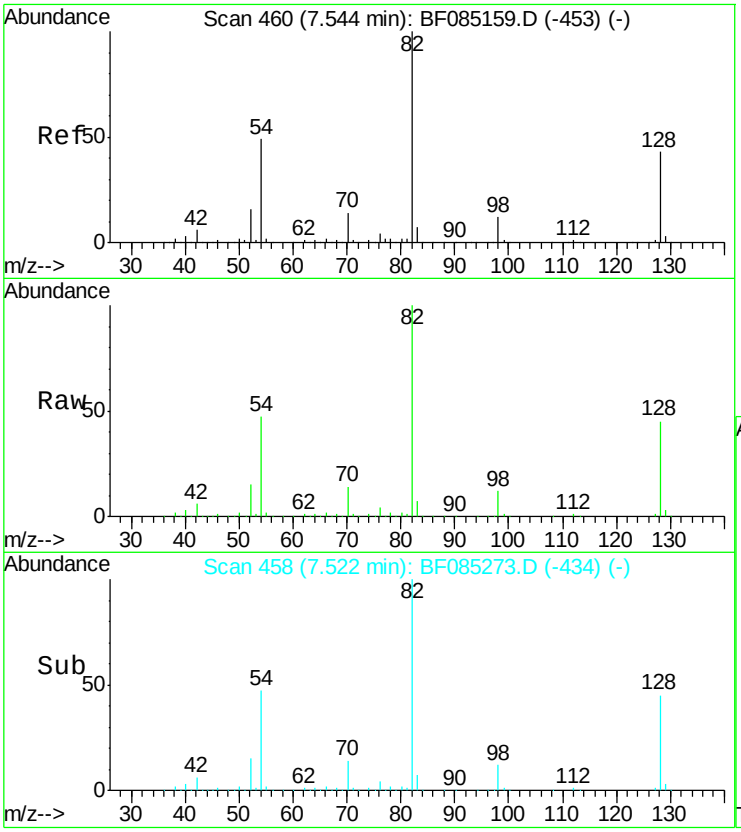


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:136 Resp: 593858

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	8.3	7.4	11.2
68	6.9	6.0	9.0

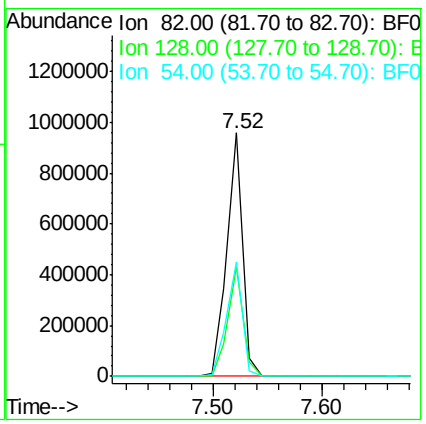




#23
Nitrobenzene-d5
Concen: 85.65 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion: 82 Resp: 950548

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.5	51.7
54	46.8	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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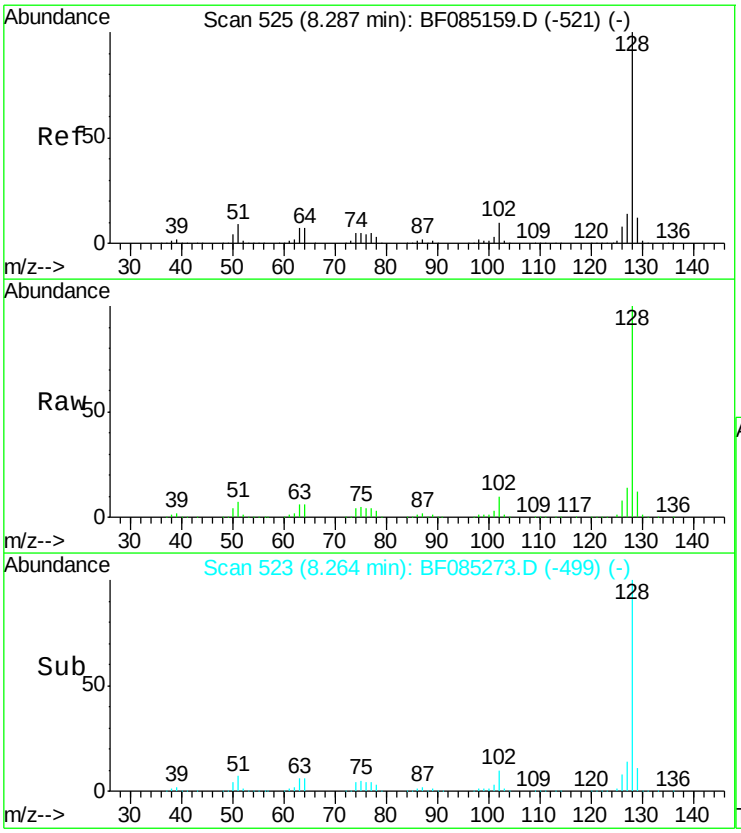
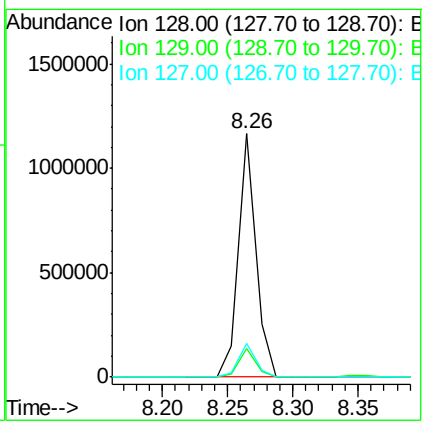
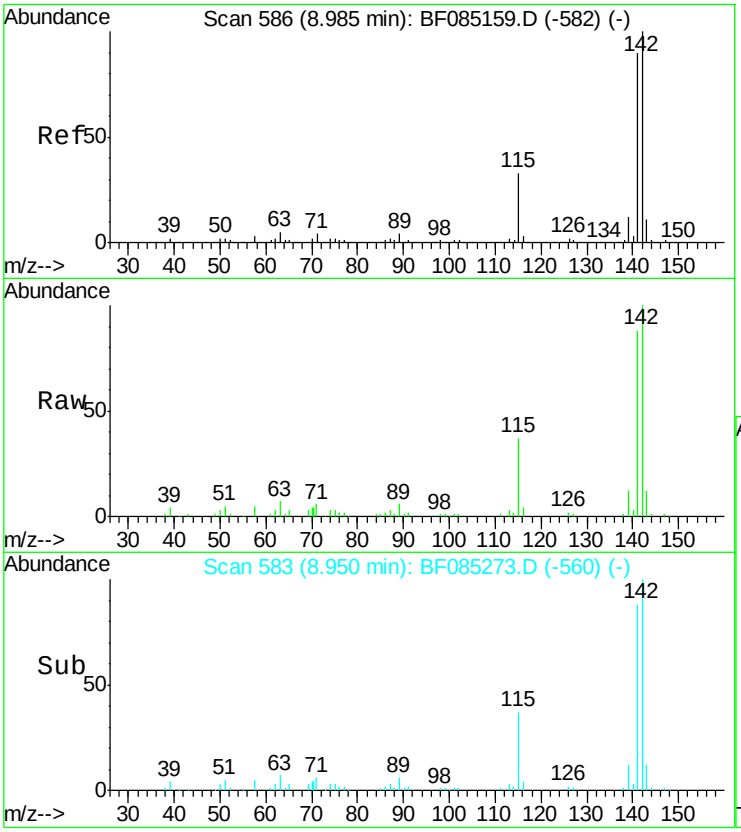


#31
Naphthalene
Concen: 36.93 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:128 Resp: 1078358

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.7	14.5
127	13.7	11.2	16.8

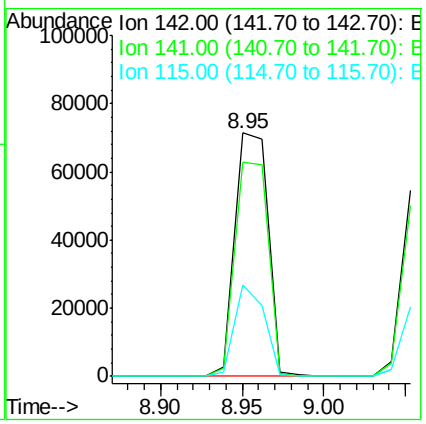




#37
2-Methylnaphthalene
Concen: 5.32 ng
RT: 8.95 min Scan# 583
Delta R.T. -0.03 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:142 Resp: 99715

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.7	107.5
115	37.3	26.2	39.4



Instrument :
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ClientSampleId :
48-BRIDGE-GRID-1

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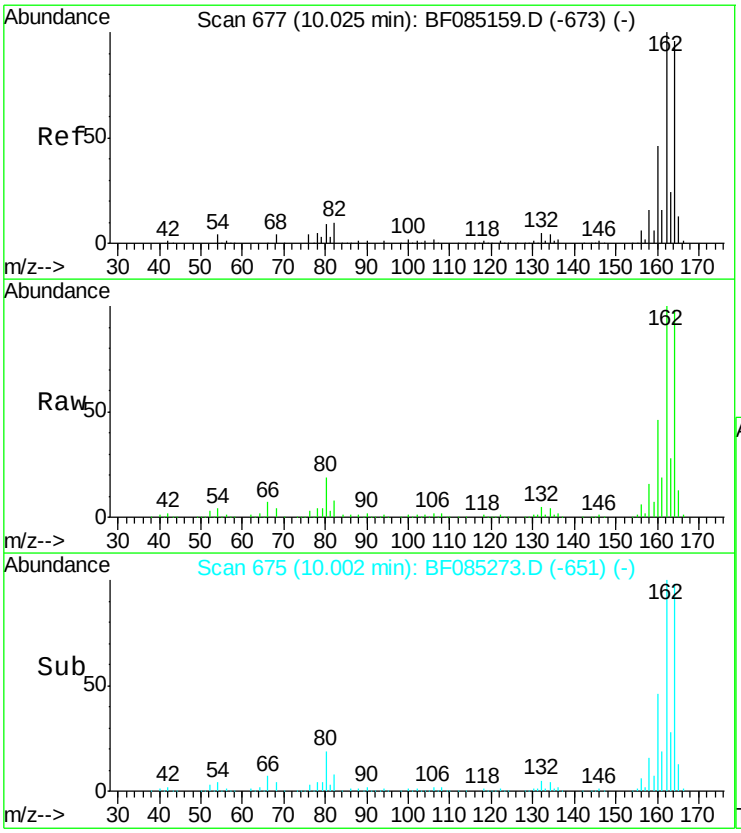
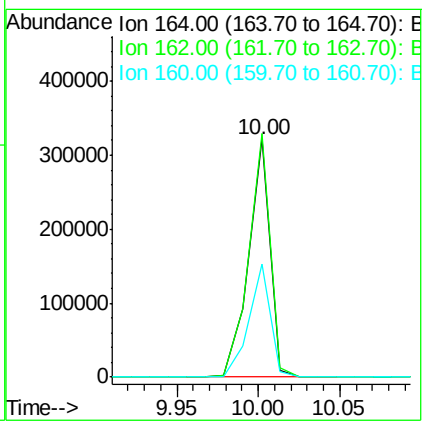
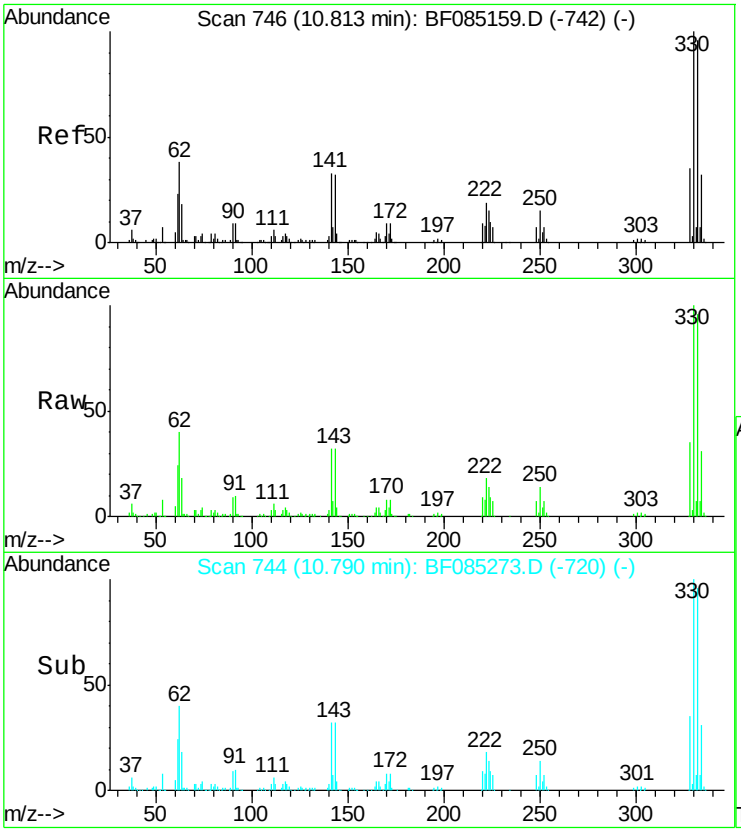


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:164 Resp: 291720

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.3	124.9
160	47.2	37.9	56.9

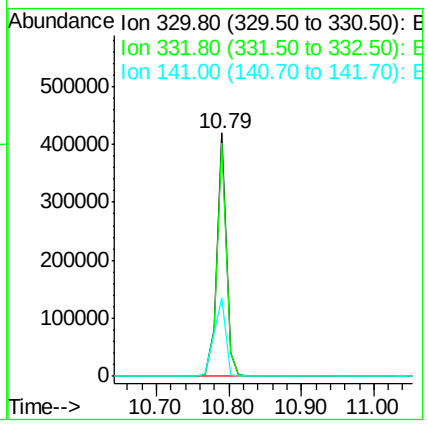




#41
2,4,6-Tribromophenol
Concen: 151.87 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:330 Resp: 379084

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	40.0	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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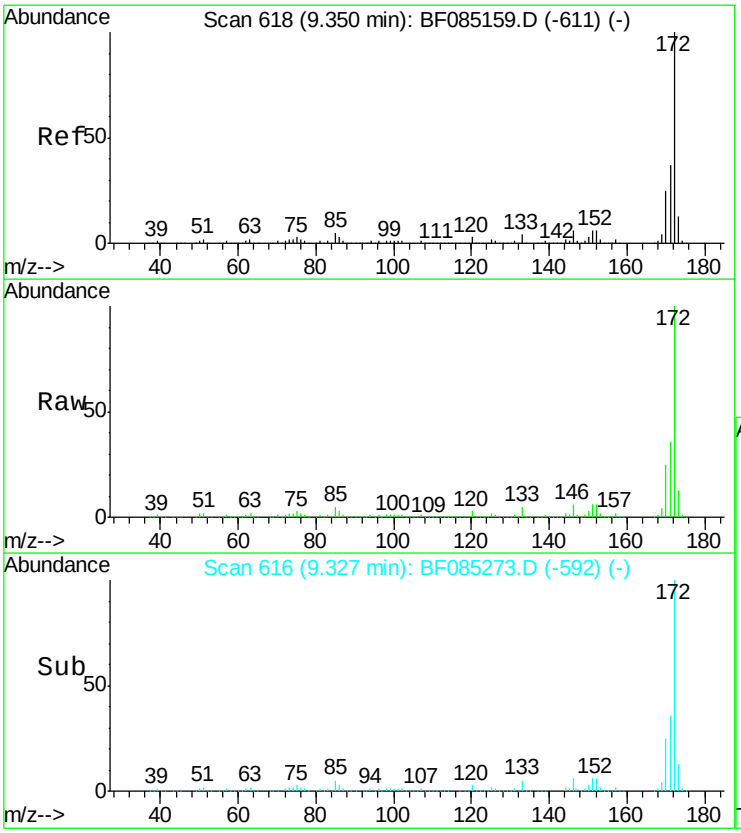
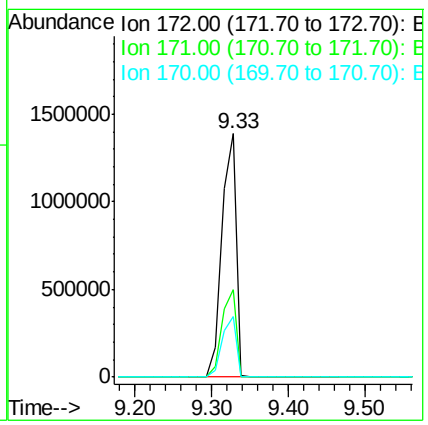
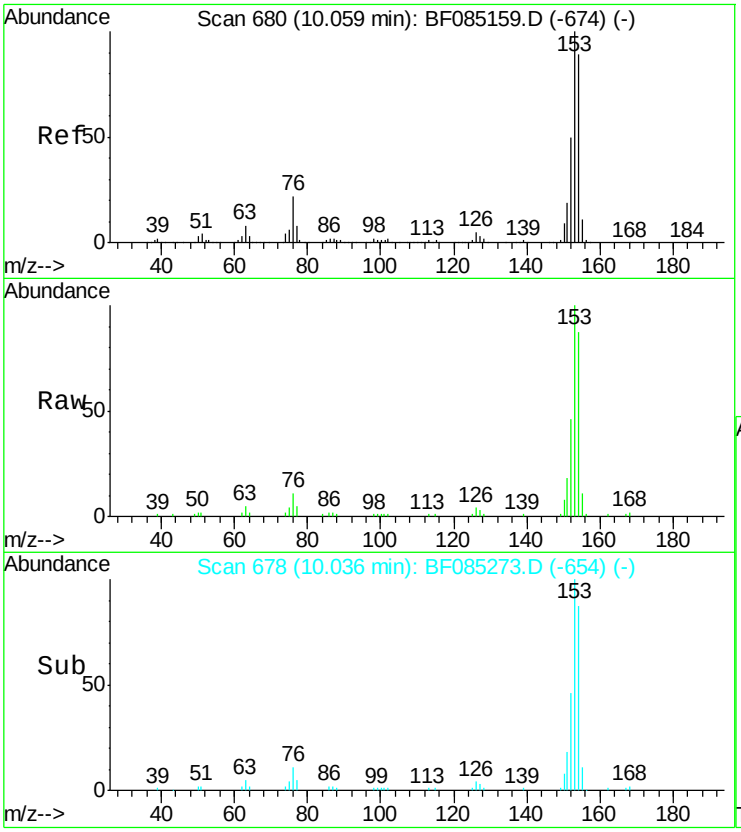


#44
2-Fluorobiphenyl
Concen: 95.11 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:172 Resp: 1824363

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	24.7	20.0	30.0

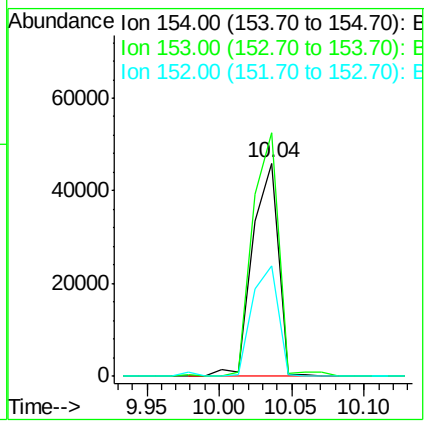




#51
Acenaphthene
Concen: 3.15 ng
RT: 10.04 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:154 Resp: 56468

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.8	134.8
152	52.1	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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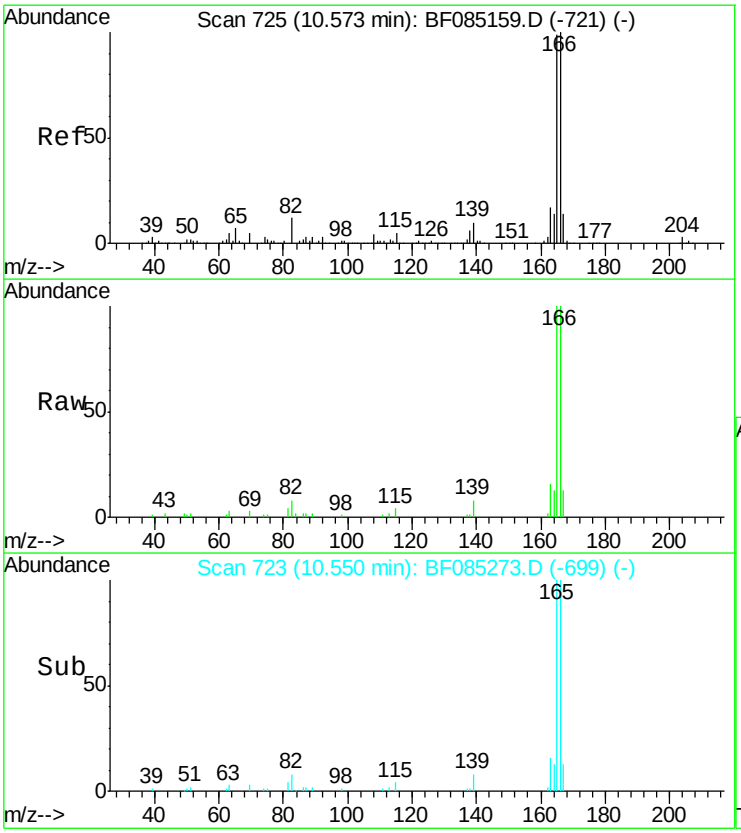
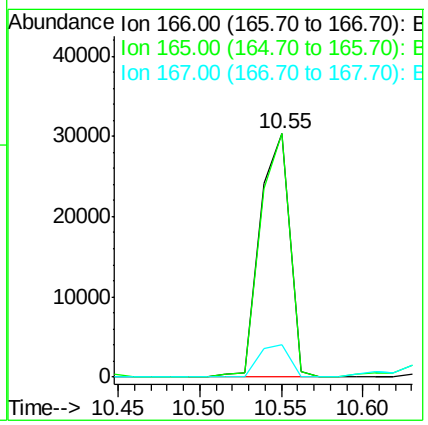
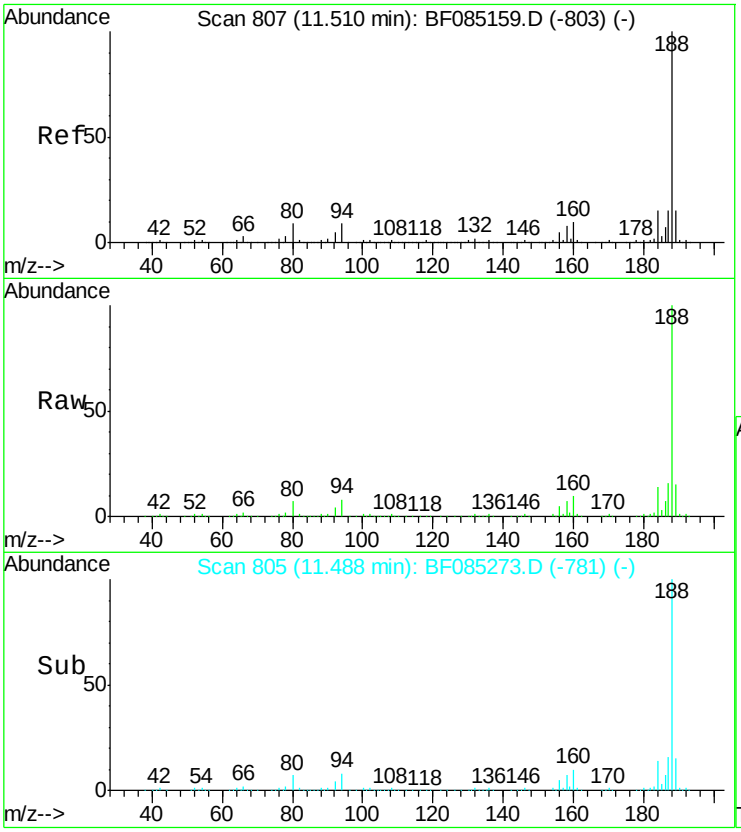


#57
Fluorene
Concen: 2.08 ng
RT: 10.55 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:166 Resp: 38370

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.4	119.0
167	13.4	11.0	16.6

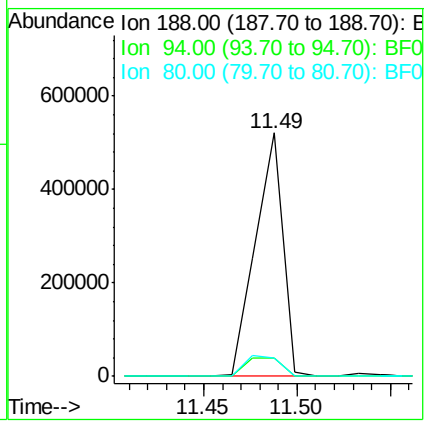




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:188 Resp: 541773

Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.0	10.6
80	7.3	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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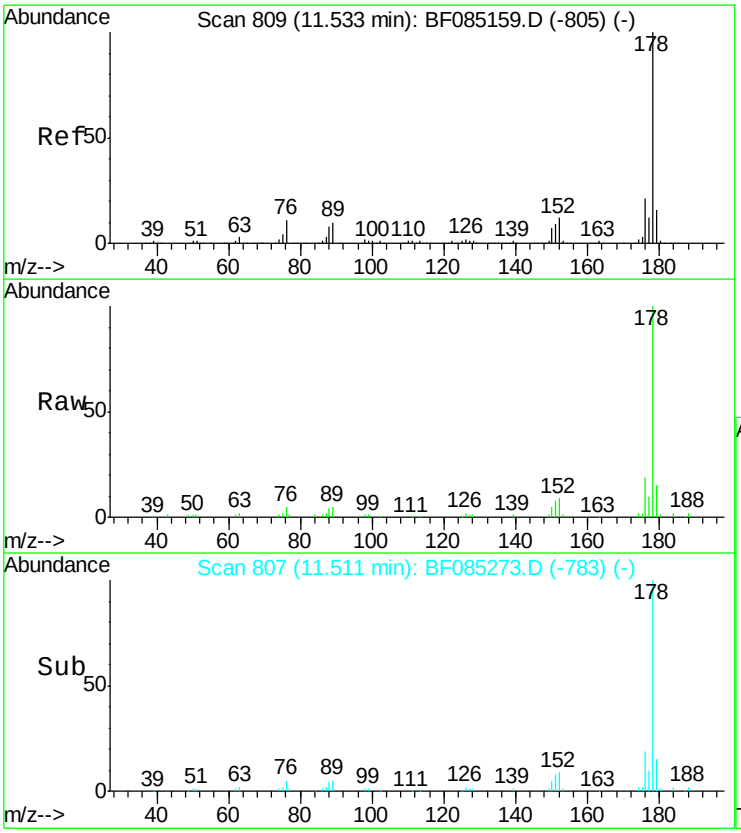
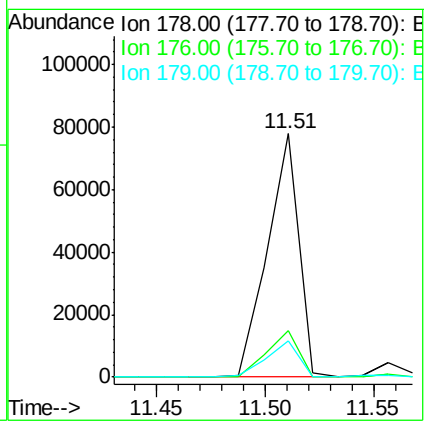
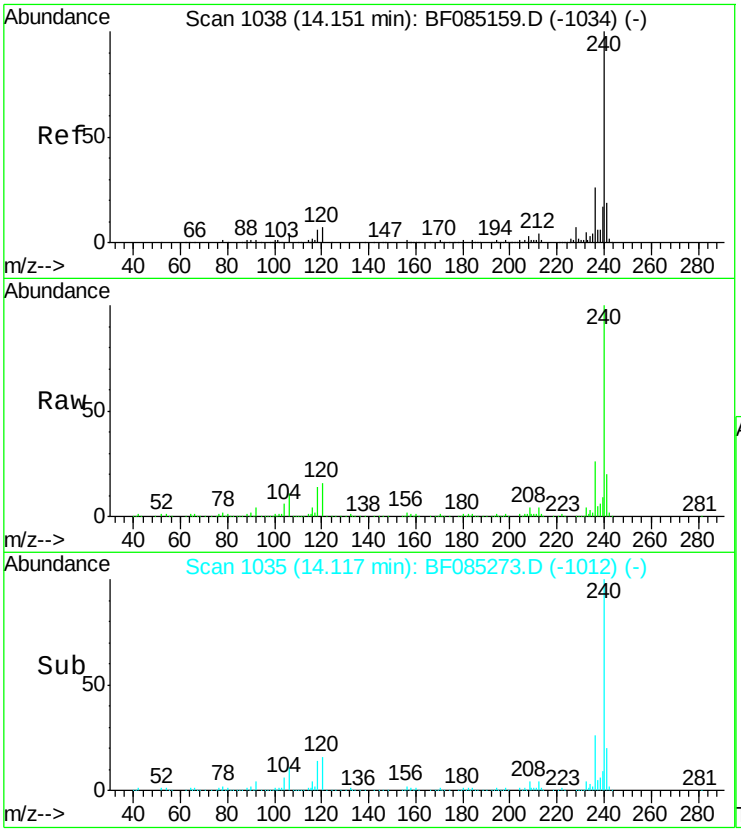


#70
Phenanthrene
Concen: 2.78 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:178 Resp: 78812

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	14.8	13.1	19.7





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:240 Resp: 390037

Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.3	7.9#
236	26.0	20.7	31.1

Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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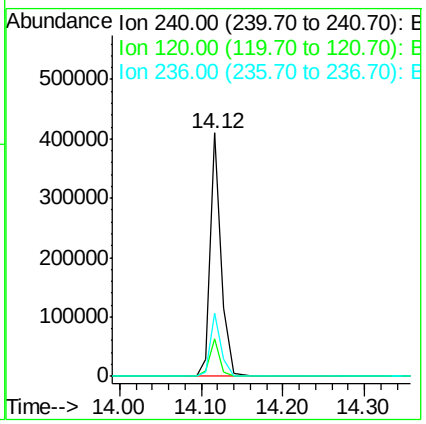
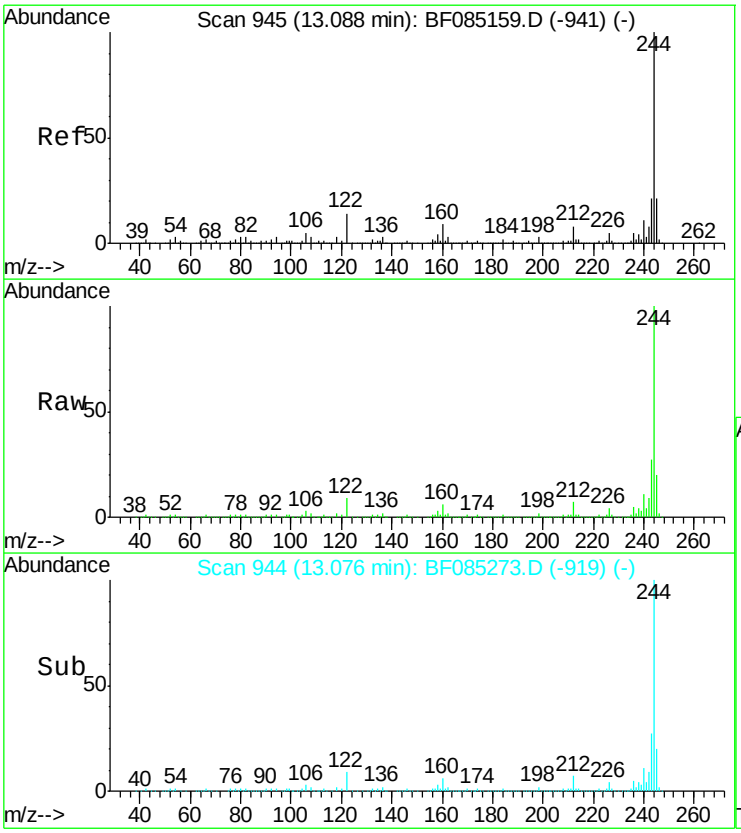
3/9/2016 9:30:52 AM

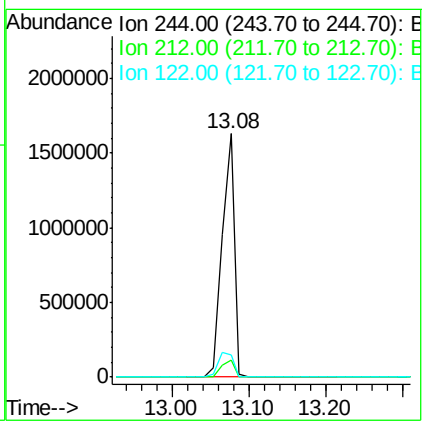


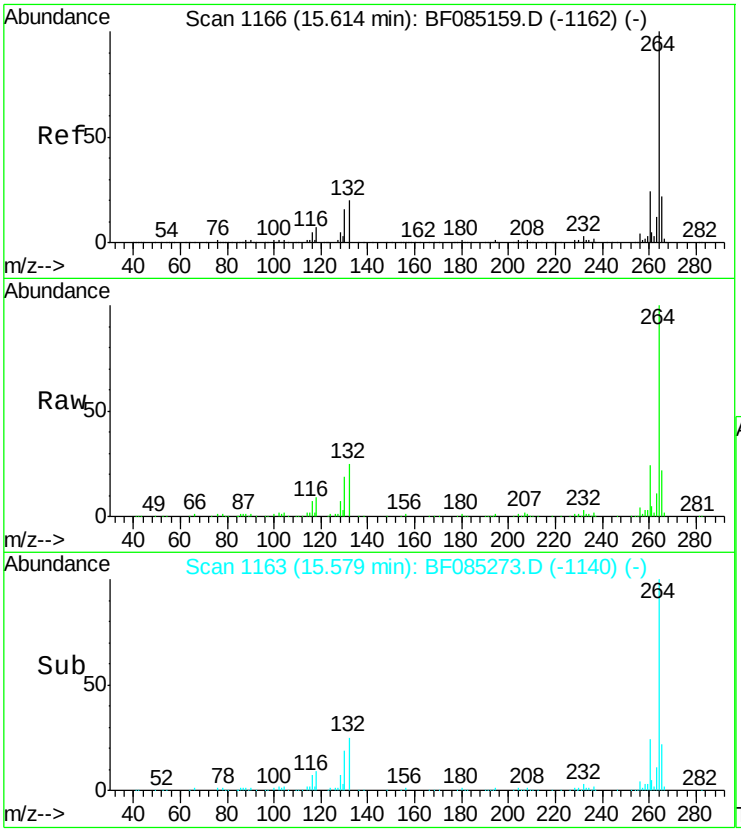


#78
Terphenyl-d14
Concen: 109.46 ng
RT: 13.08 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:244 Resp: 1839125

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	9.2	11.4	17.2#

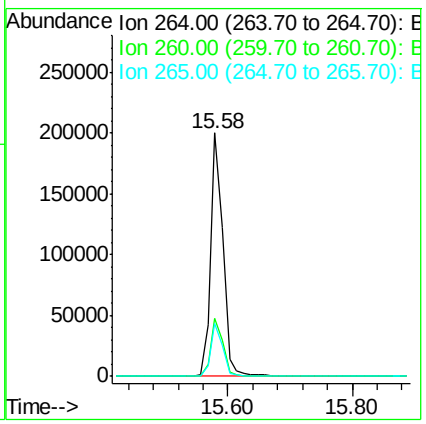




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085273.D
Acq: 8 Mar 2016 23:31

Tgt Ion:264 Resp: 269688

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
48-BRIDGE-GRID-1

Manual Integrations APPROVED
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3/9/2016 9:30:52 AM