Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085390.D
Acq On : 11 Mar 2016 23:49
Operator : UM/SJ
Sample : H1743-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

Quant Time: Mar 14 03:57:49 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	6.94	152	143866	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	550097	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	249965	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	403357	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	275410	20.00	ng	-0.05
86) Perylene-d12	15.57	264	263844	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	583454	68.03	ng	-0.05
7) Phenol-d6	6.55	99	424173	37.75	ng	-0.06
23) Nitrobenzene-d5	7.50	82	877794	85.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	276817	129.42	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1549846	94.30	ng	-0.05
78) Terphenyl-d14	13.05	244	1020892	86.05	ng	-0.03
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.94	142	241008	13.88	ng	98
49) Dimethylphthalate	9.69	163	182789	9.53	ng	99
57) Fluorene	10.53	166	36543	2.31	ng	100
72) Carbazole	11.69	167	49669	2.52	ng	99

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

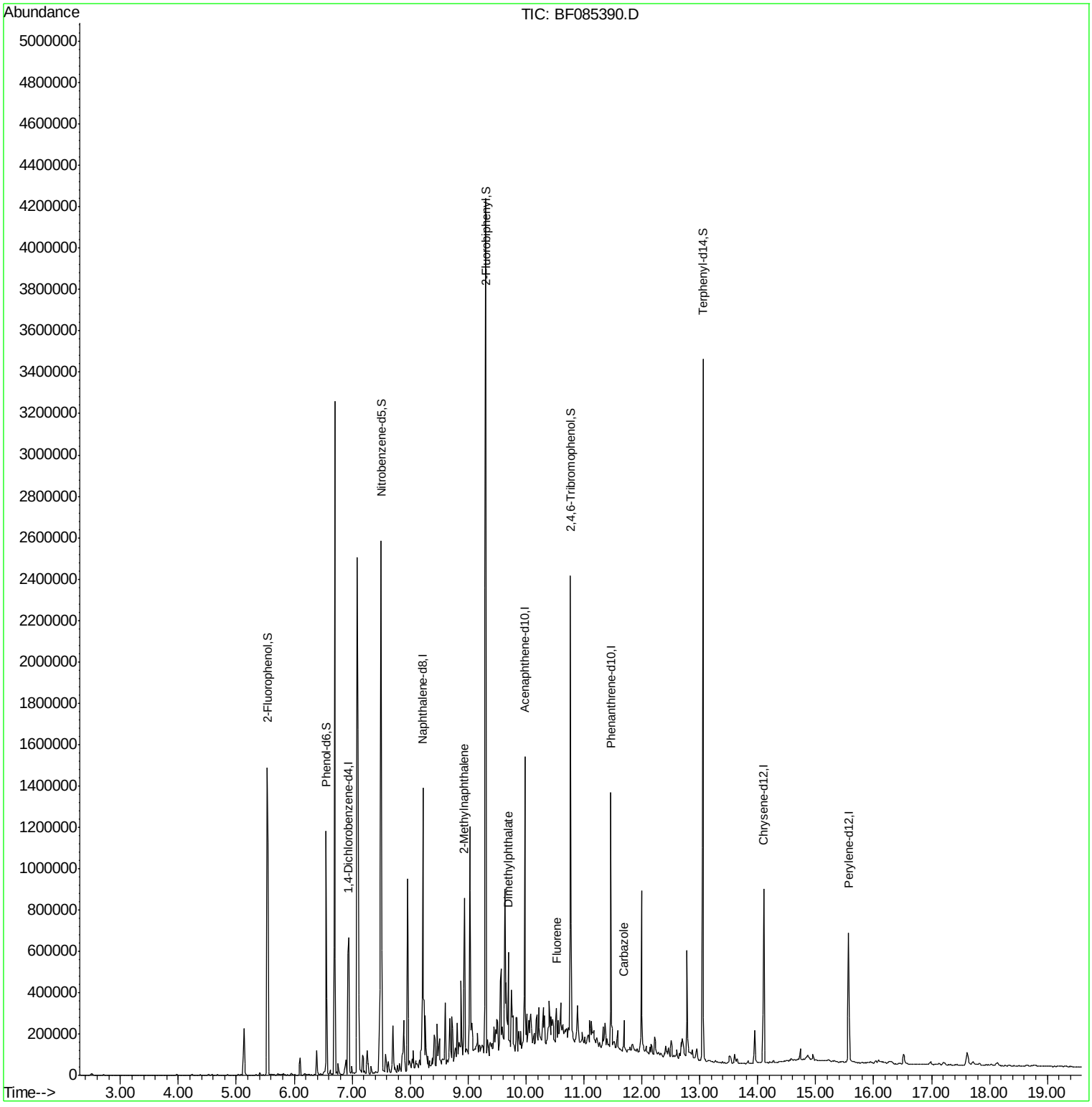
Quantitation Report (LSC Reviewed)

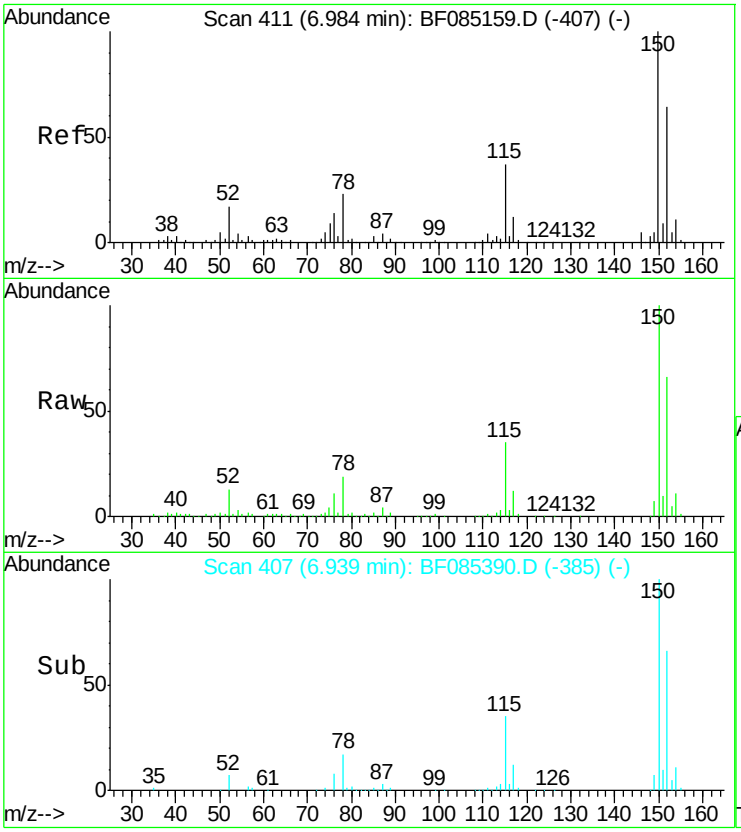
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085390.D
Acq On : 11 Mar 2016 23:49
Operator : UM/SJ
Sample : H1743-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 03:57:49 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 :
MNR-FT-ERM33

Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

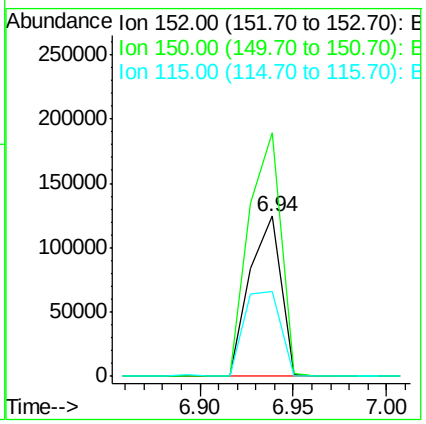




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

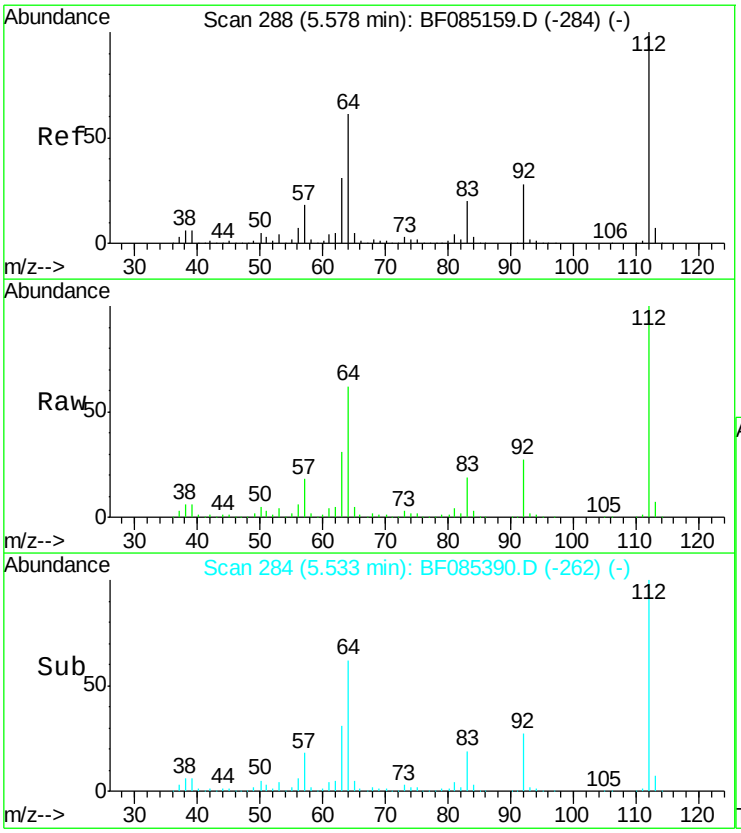
Tgt Ion:152 Resp: 143866

Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	52.7	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

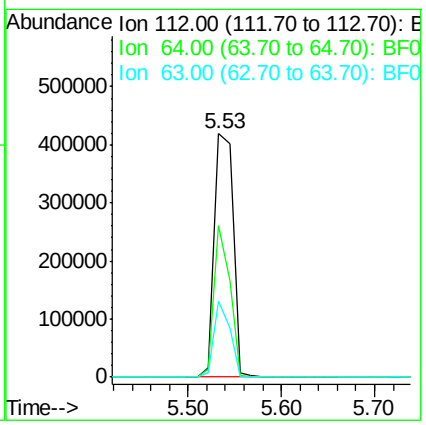
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

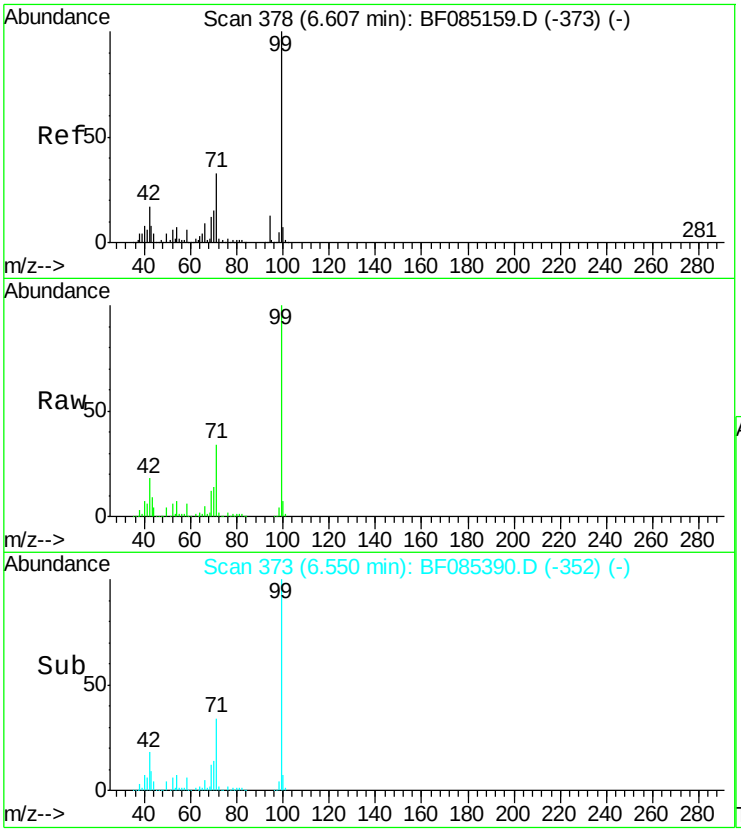


#5
2-Fluorophenol
Concen: 68.03 ng
RT: 5.53 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:112 Resp: 583454

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.0	73.4
63	31.0	24.8	37.2

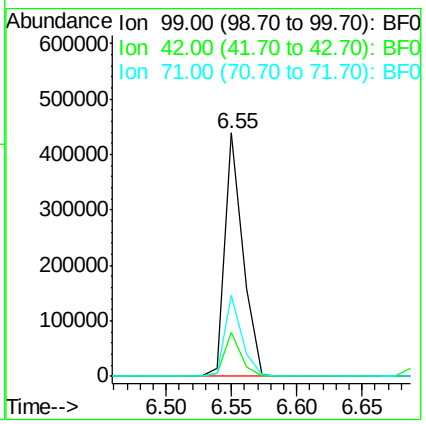




#7
Phenol-d6
Concen: 37.75 ng
RT: 6.55 min Scan# 373
Delta R.T. -0.06 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

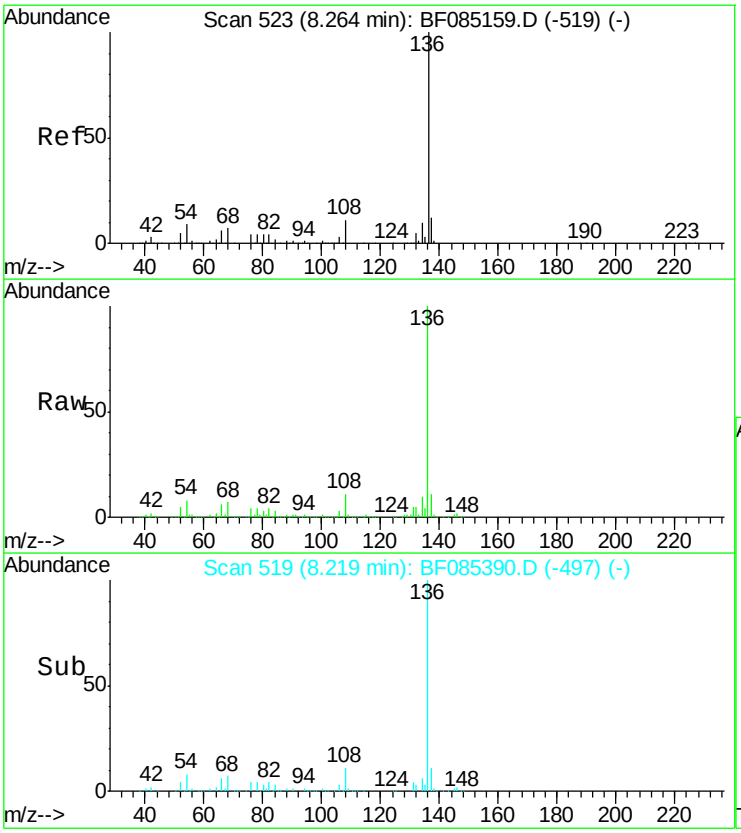
Tgt Ion: 99 Resp: 424173

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.6	20.4
71	33.5	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

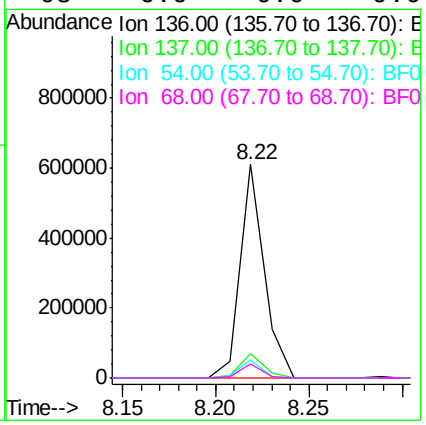
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

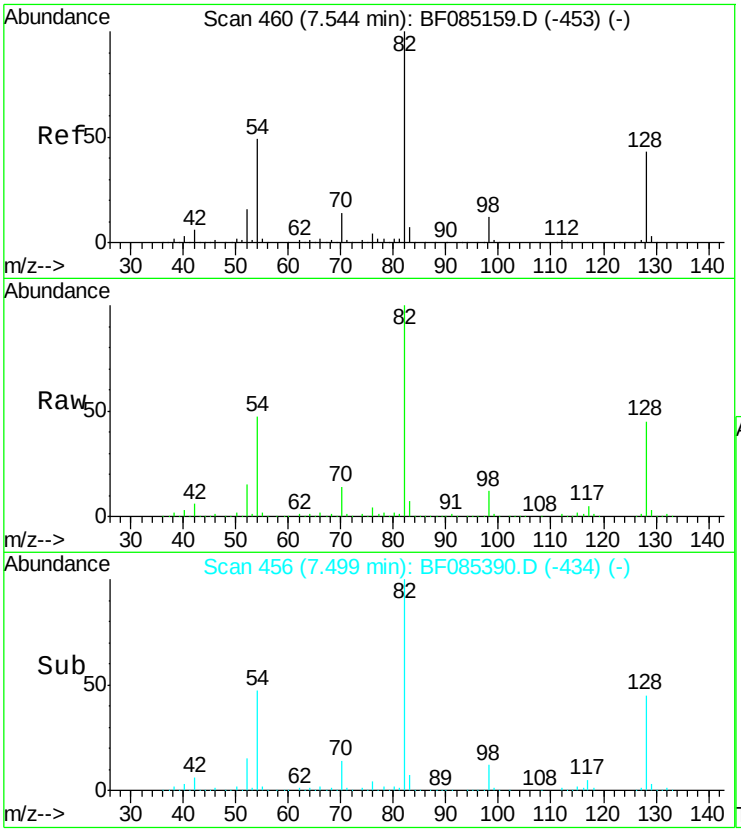


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:136 Resp: 550097

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	8.5	7.4	11.2
68	6.9	6.0	9.0

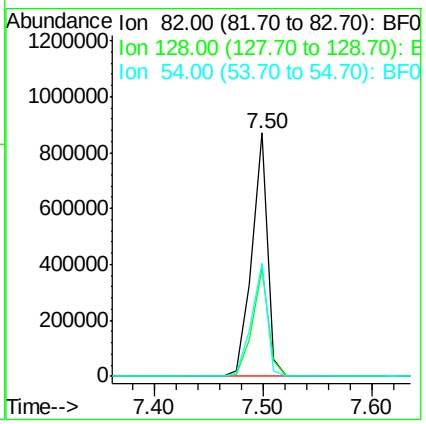




#23
Nitrobenzene-d5
Concen: 85.39 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

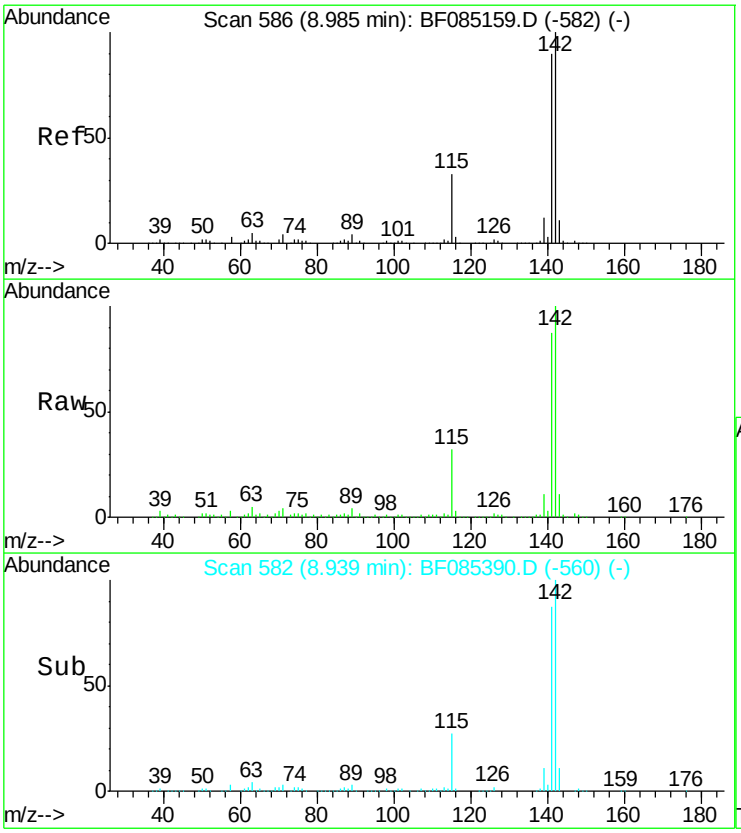
Tgt Ion: 82 Resp: 877794

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.5	51.7
54	46.5	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

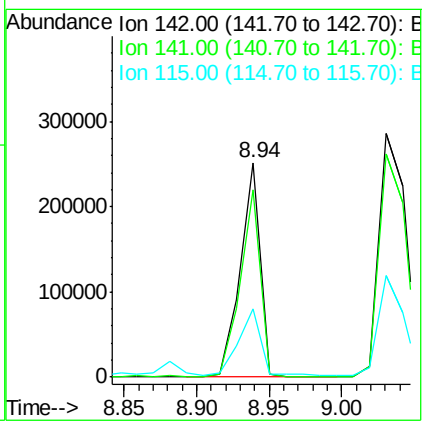
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

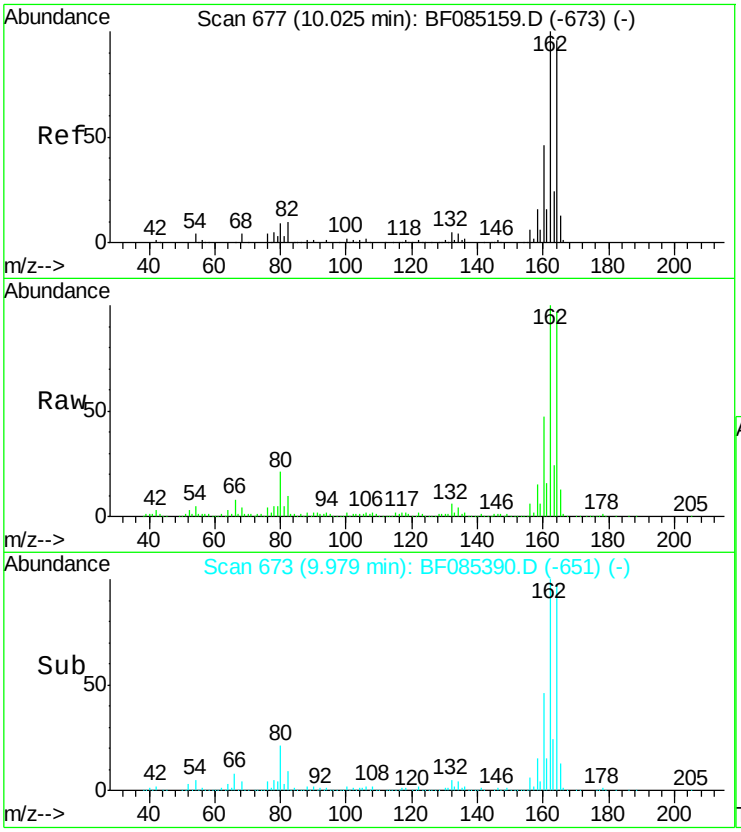


#37
2-Methylnaphthalene
Concen: 13.88 ng
RT: 8.94 min Scan# 582
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:142 Resp: 241008

Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.7	107.5
115	32.0	26.2	39.4

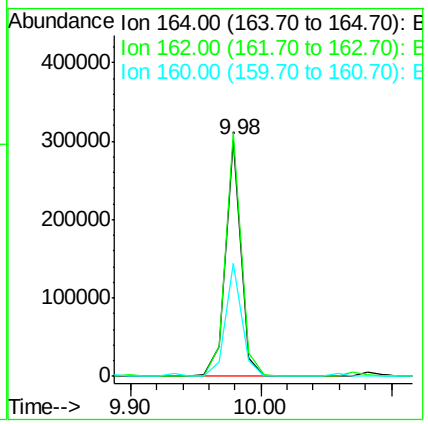




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

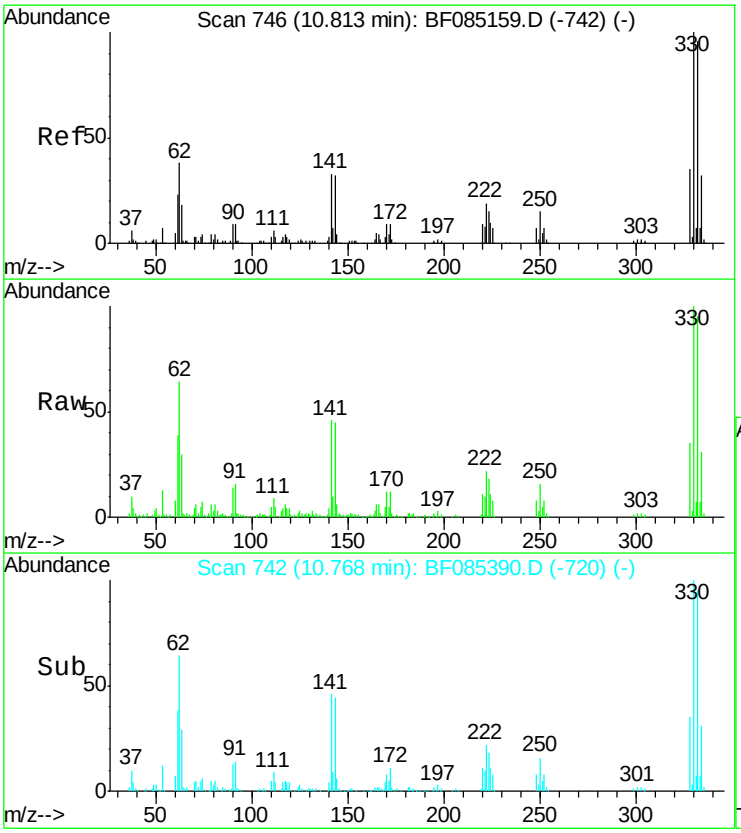
Tgt Ion:164 Resp: 249965

Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.3	124.9
160	48.0	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

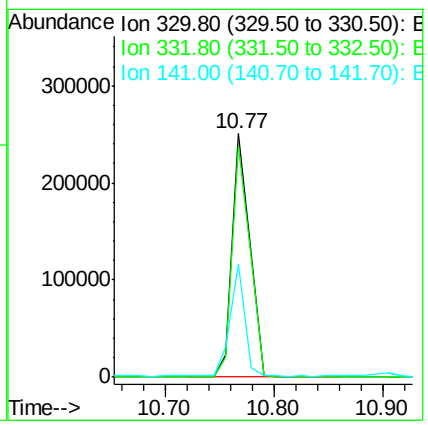
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

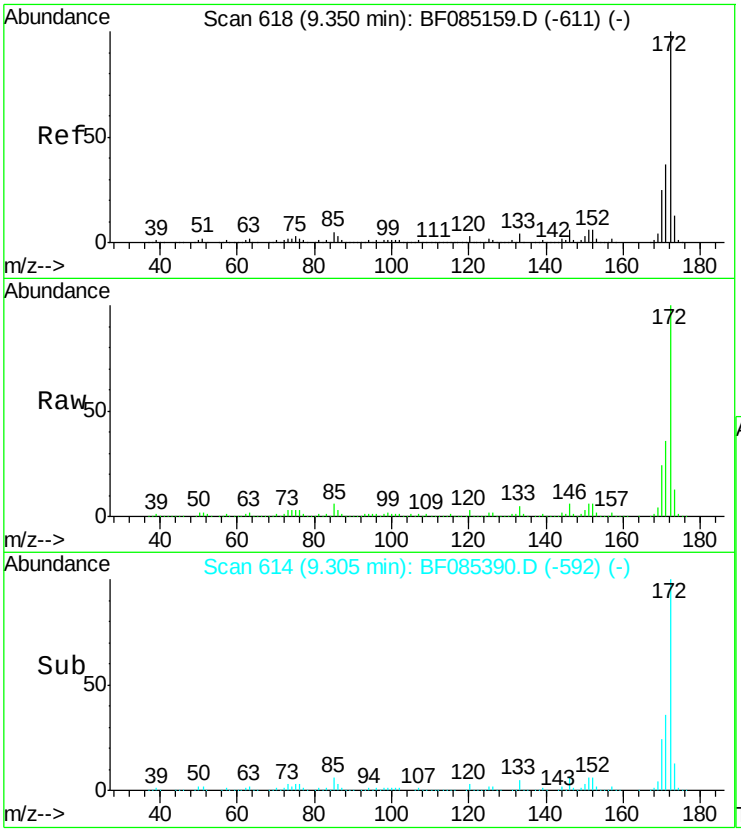


#41
2,4,6-Tribromophenol
Concen: 129.42 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:330 Resp: 276817

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	39.7	35.0	52.6

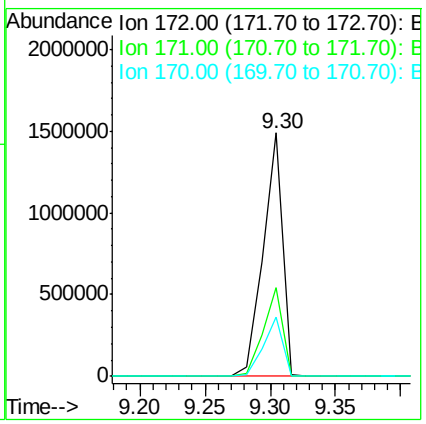




#44
2-Fluorobiphenyl
Concen: 94.30 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

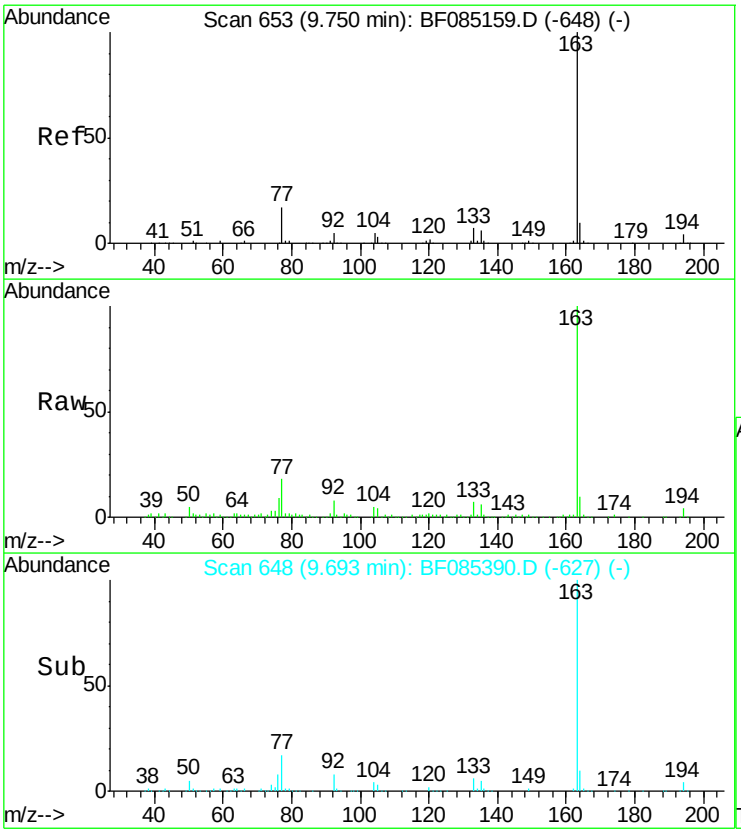
Tgt Ion:172 Resp: 1549846

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

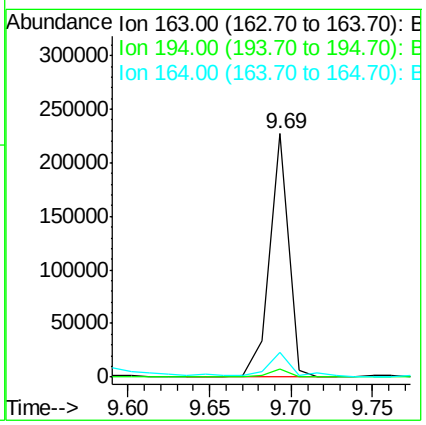
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

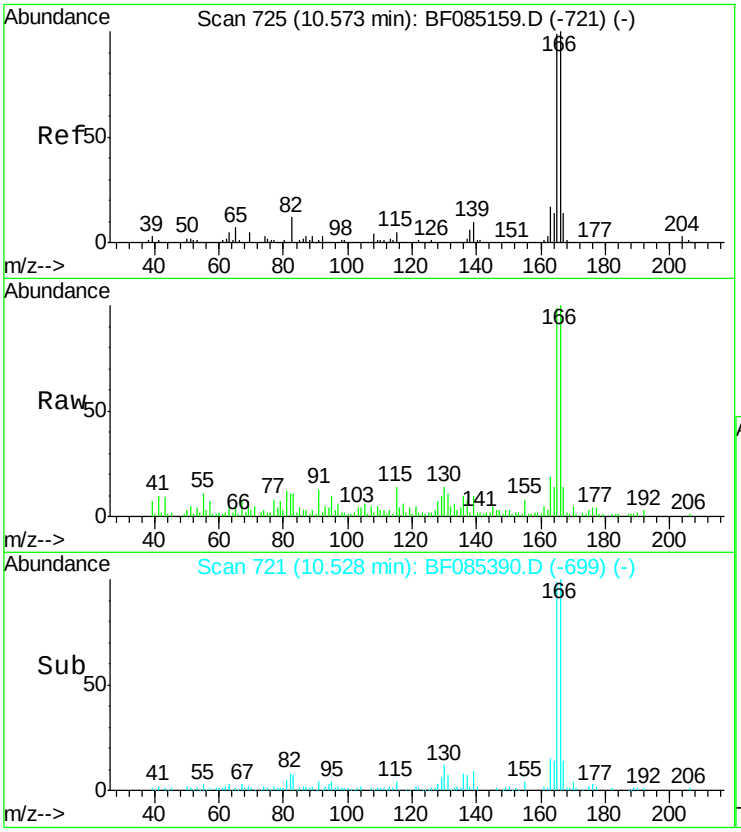


#49
Dimethylphthalate
Concen: 9.53 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:163 Resp: 182789

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	10.2	8.2	12.4

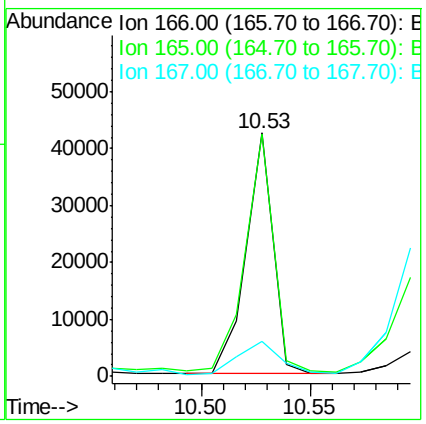




#57
Fluorene
Concen: 2.31 ng
RT: 10.53 min Scan# 721
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

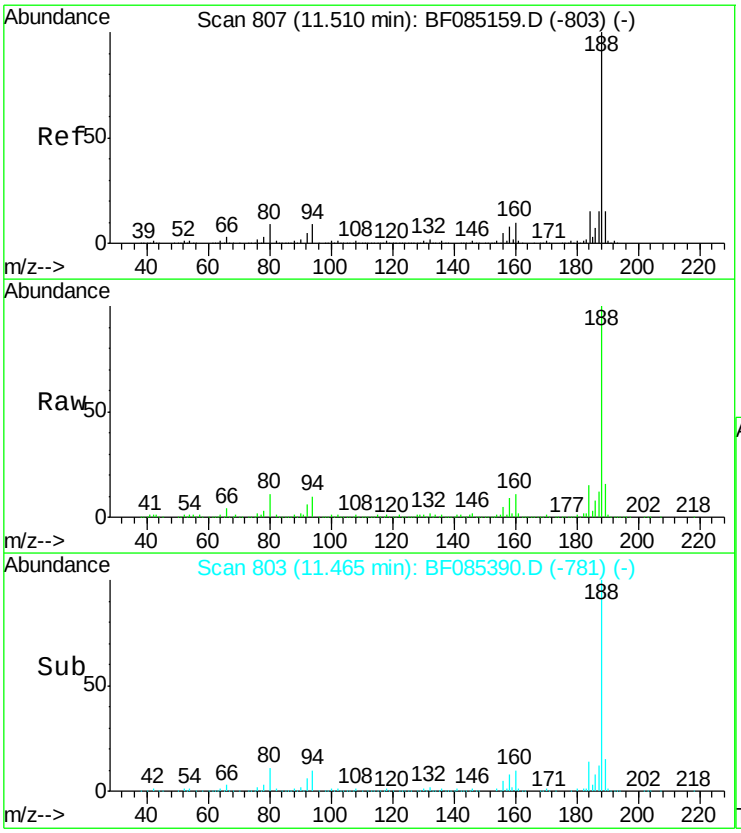
Tgt Ion:166 Resp: 36543

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.4	119.0
167	14.2	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

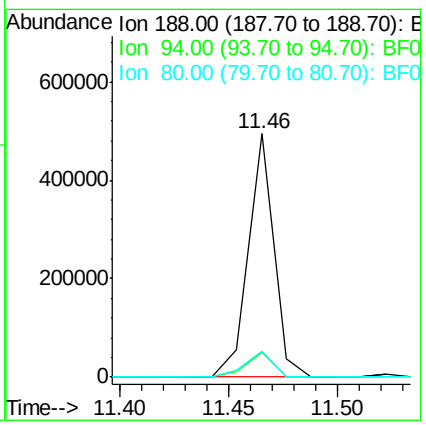
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

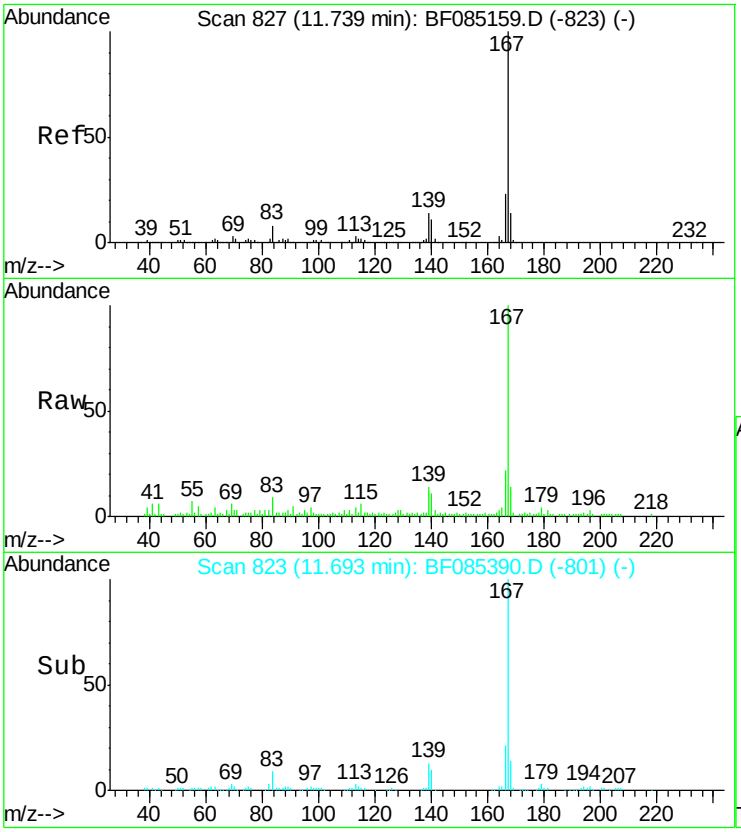


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:188 Resp: 403357

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.0	10.6
80	10.6	7.4	11.0

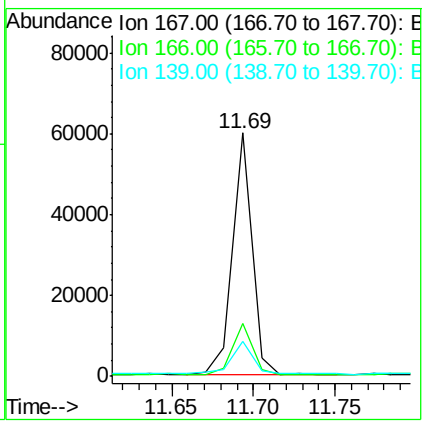




#72
Carbazole
Concen: 2.52 ng
RT: 11.69 min Scan# 823
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

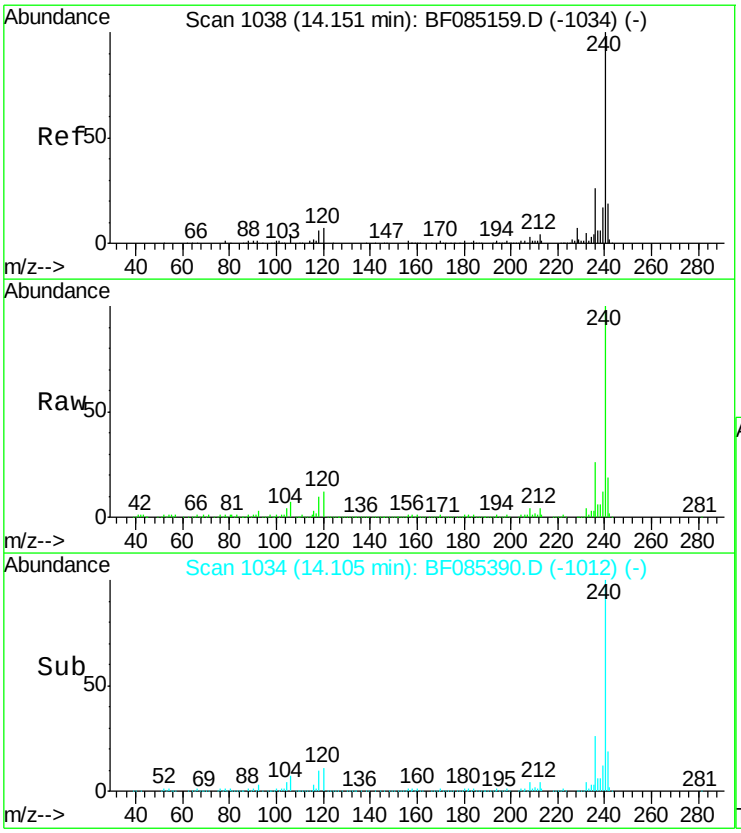
Tgt Ion:167 Resp: 49669

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.2
139	14.3	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

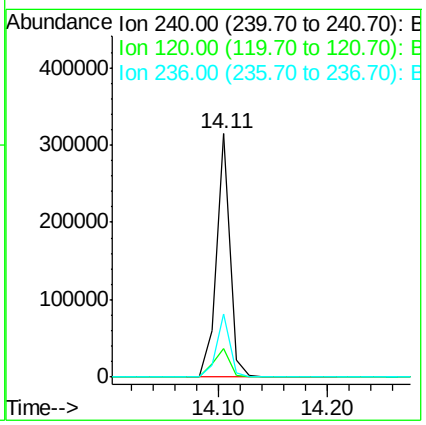
Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM

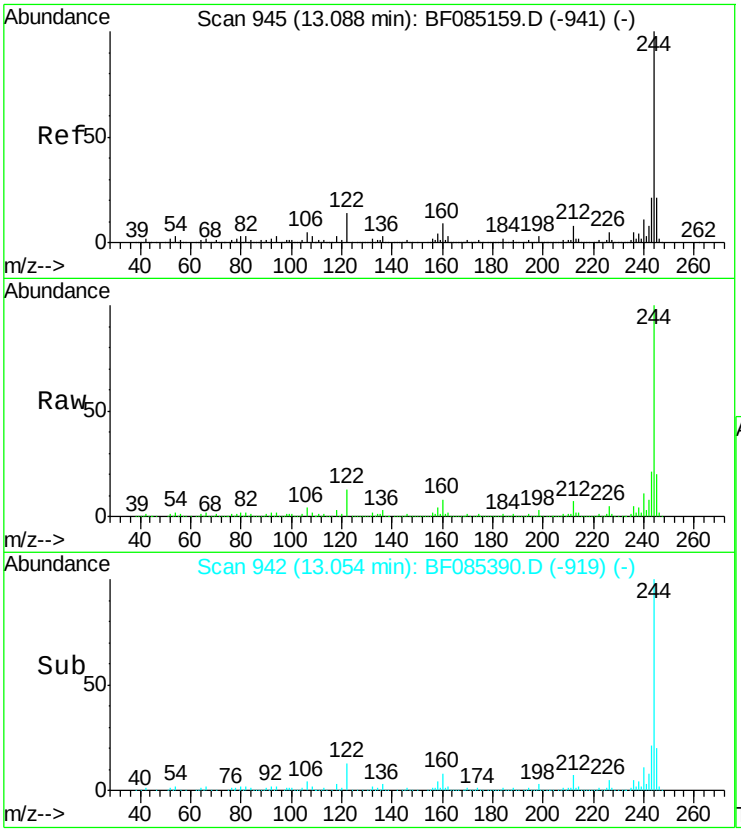


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:240 Resp: 275410

Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.3	7.9#
236	25.9	20.7	31.1

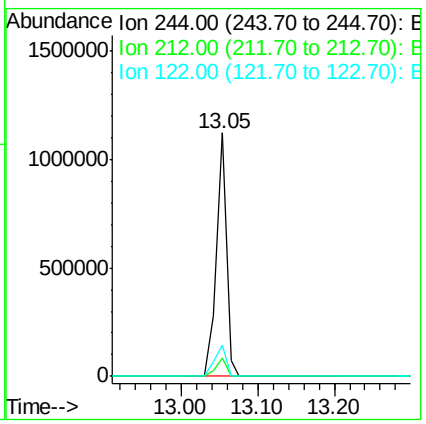




#78
Terphenyl-d14
Concen: 86.05 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

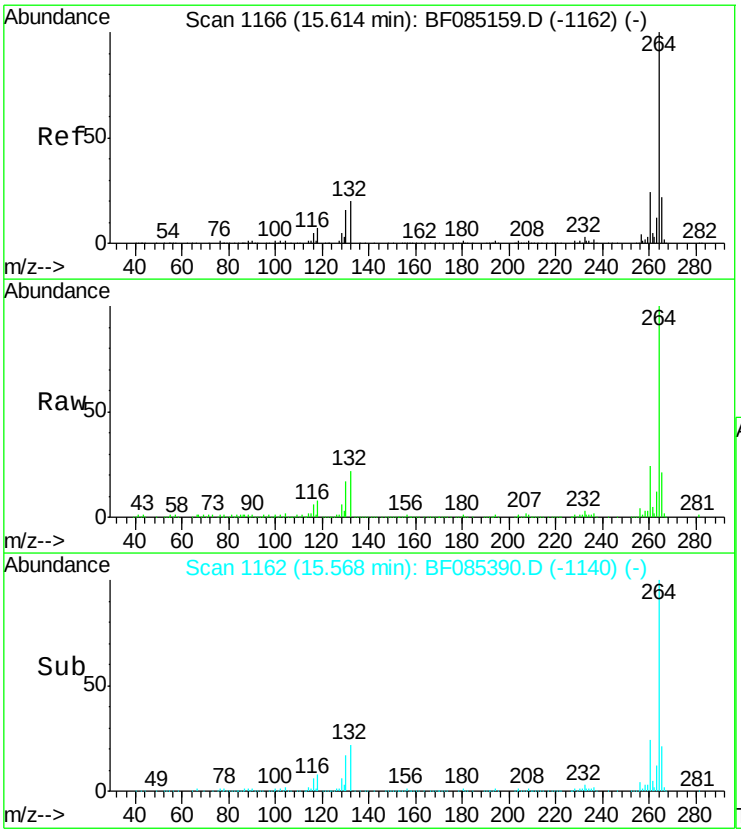
Tgt Ion:244 Resp: 1020892

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	12.9	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
MNR-FT-ERM33

Manual Integrations APPROVED
UMANGI
3/14/2016 10:45:43 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085390.D
Acq: 11 Mar 2016 23:49

Tgt Ion:264 Resp: 263844

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.4	17.3	25.9