Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085779.D
Acq On : 25 Mar 2016 23:38
Operator : UM/SJ
Sample : H1834-05
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4

Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

Quant Time: Mar 28 14:56:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	102206	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	263224	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	115561	20.00	ng		0.02
63) Phenanthrene-d10	11.37	188	173195	20.00	ng		0.02
75) Chrysene-d12	13.99	240	202369	20.00	ng		0.01
86) Perylene-d12	15.40	264	175062	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	802240	130.72	ng		0.02
7) Phenol-d6	6.47	99	1021577	130.93	ng		0.01
23) Nitrobenzene-d5	7.40	82	538192	115.14	ng		0.00
41) 2,4,6-Tribromophenol	10.68	330	140108	127.61	ng		0.02
44) 2-Fluorobiphenyl	9.20	172	661817	95.68	ng		0.01
78) Terphenyl-d14	12.94	244	485695	49.36	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	8.15	128	1259327	94.95	ng		96
37) 2-Methylnaphthalene	8.86	142	2386975	285.81	ng	#	95
45) 1,1'-Biphenyl	9.30	154	315584	32.36	ng		95
49) Dimethylphthalate	9.60	163	124679	14.22	ng	#	84
51) Acenaphthene	9.92	154	146643	20.55	ng	#	65
57) Fluorene	10.44	166	281895	36.71	ng	#	92
70) Phenanthrene	11.40	178	965278	108.54	ng		97
77) Pyrene	12.80	202	189219	11.37	ng	#	93

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

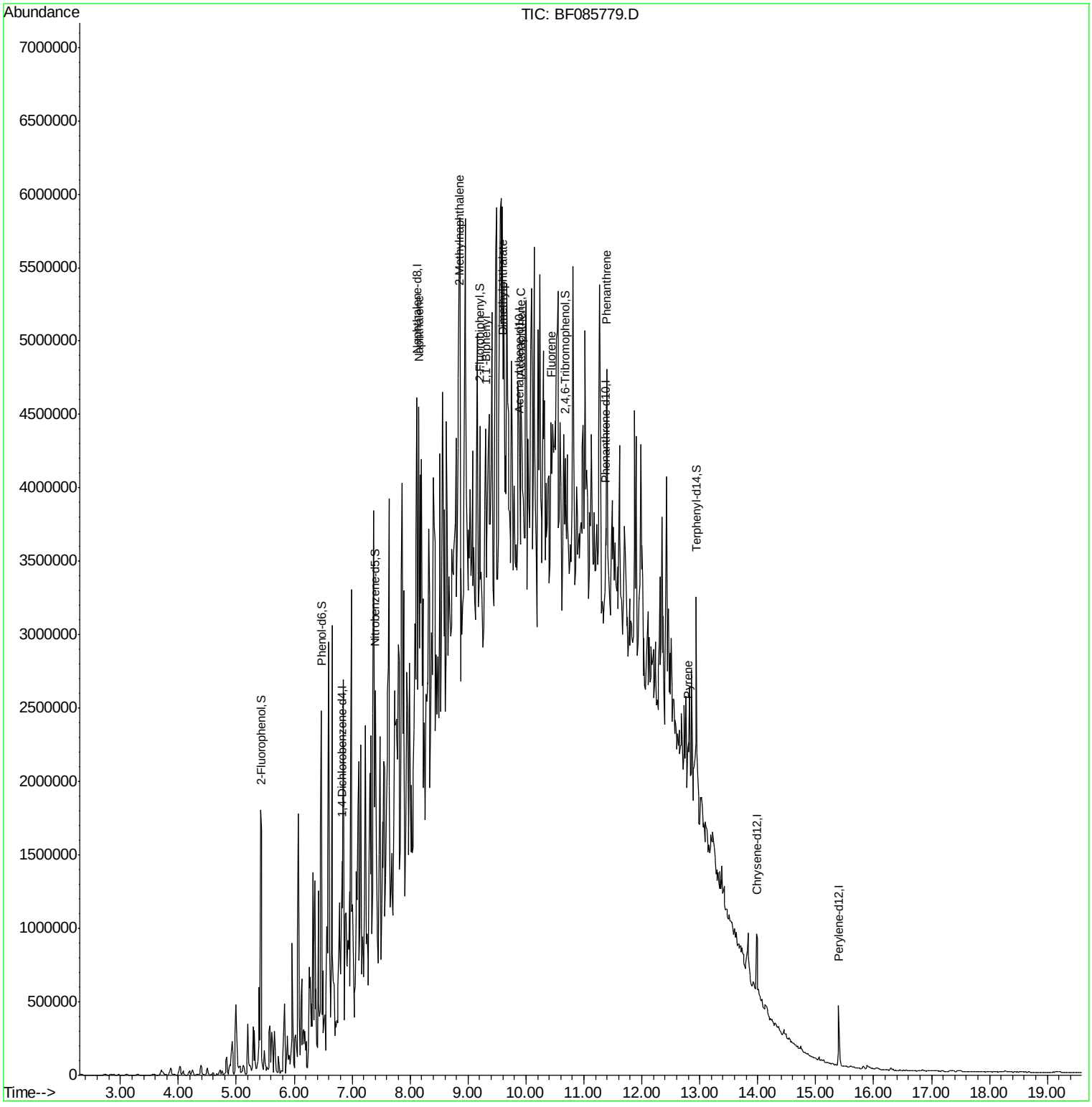
Quantitation Report (QT/LSC Reviewed)

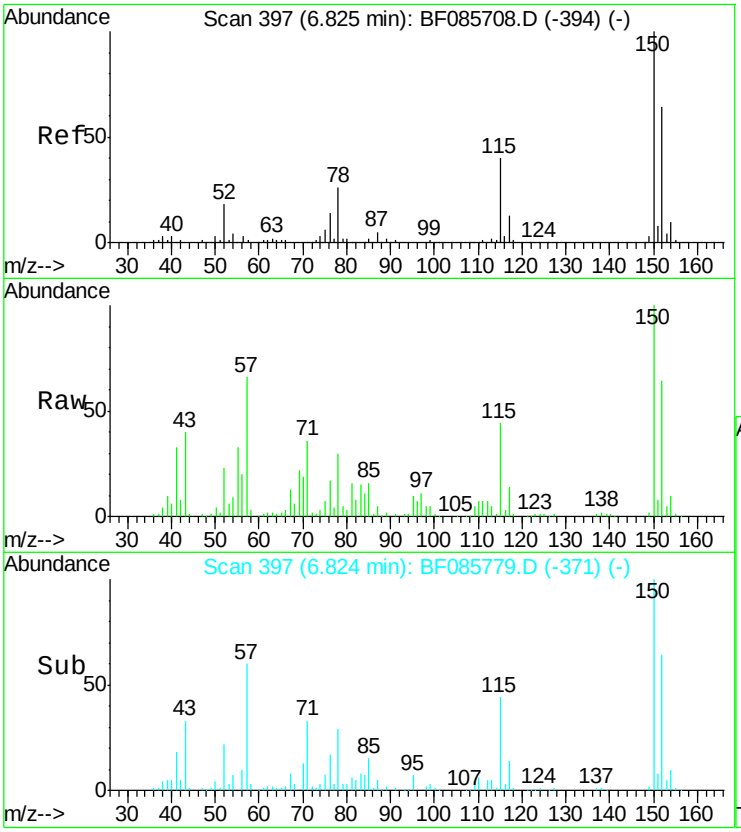
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085779.D
Acq On : 25 Mar 2016 23:38
Operator : UM/SJ
Sample : H1834-05
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Mar 28 14:56:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
4

Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

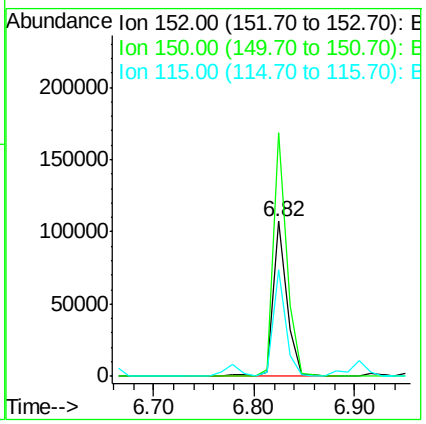




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

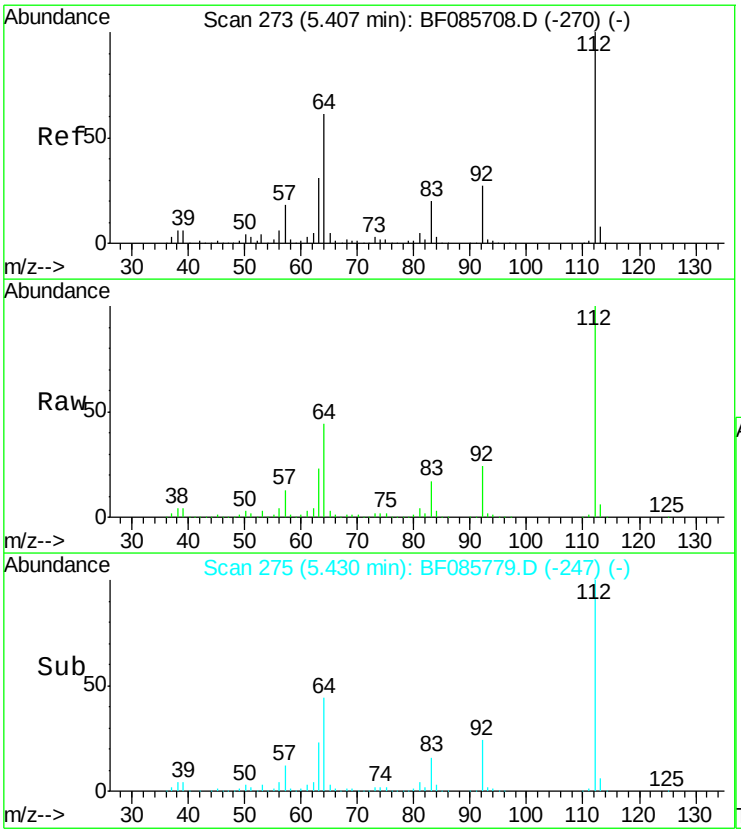
Tgt Ion:152 Resp: 102206

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.2	186.2
115	68.4	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
4

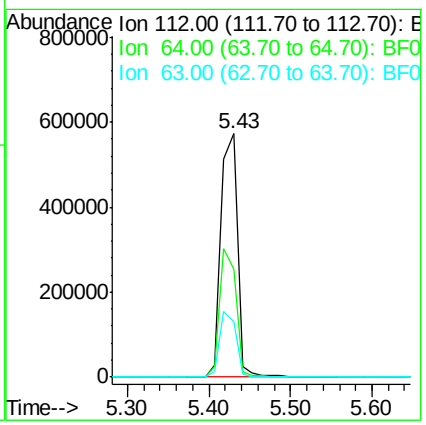
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

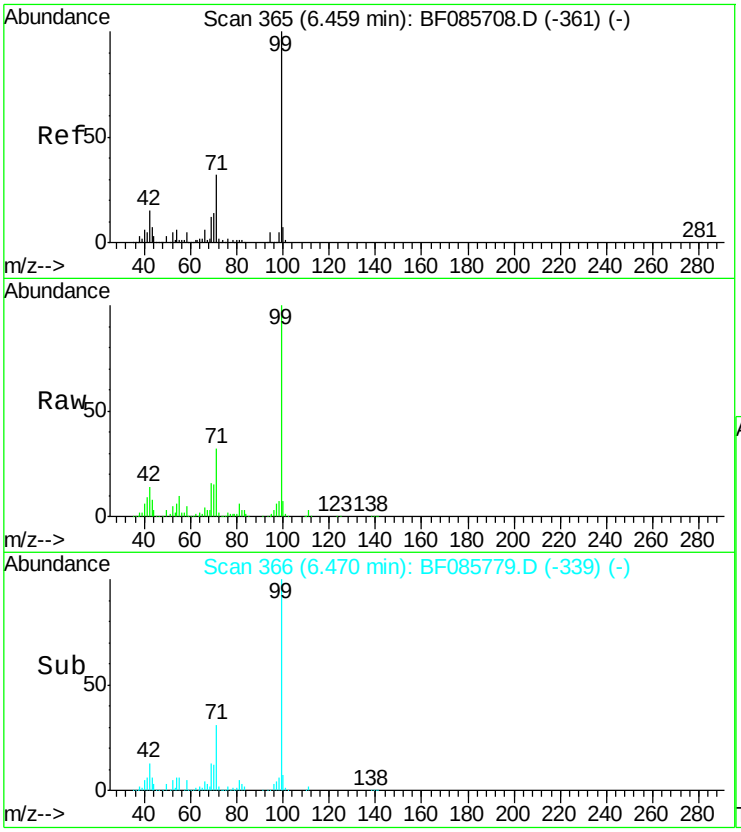


#5
2-Fluorophenol
Concen: 130.72 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:112 Resp: 802240

Ion	Ratio	Lower	Upper
112	100		
64	44.2	39.9	59.9
63	22.7	20.2	30.2

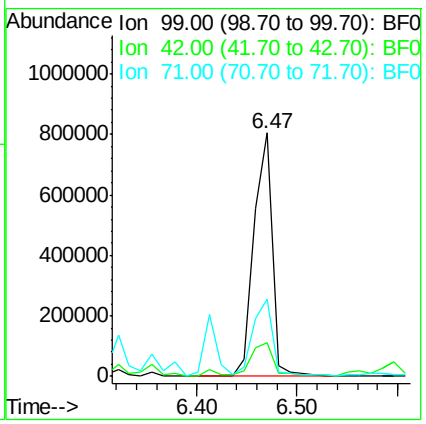




#7
Phenol-d6
Concen: 130.93 ng
RT: 6.47 min Scan# 366
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

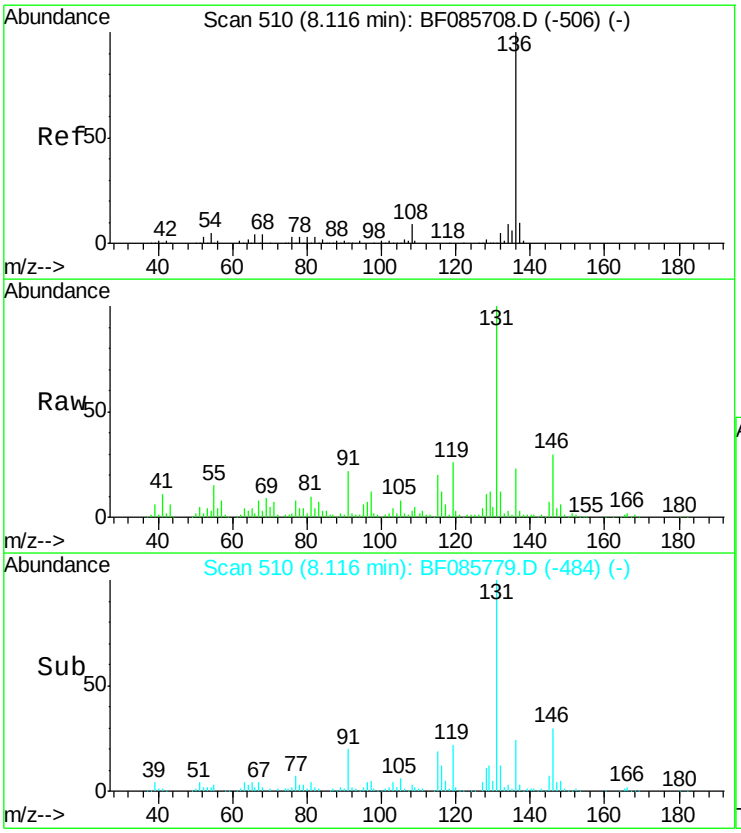
Tgt Ion: 99 Resp: 1021577

Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.1	16.7
71	31.5	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
4

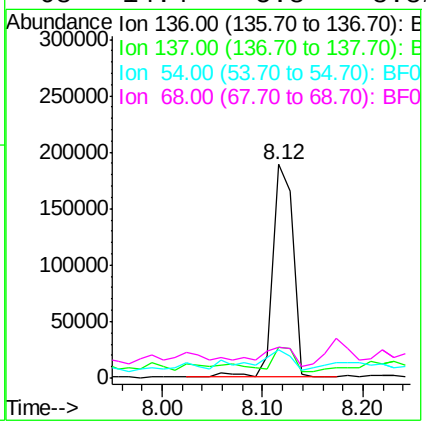
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

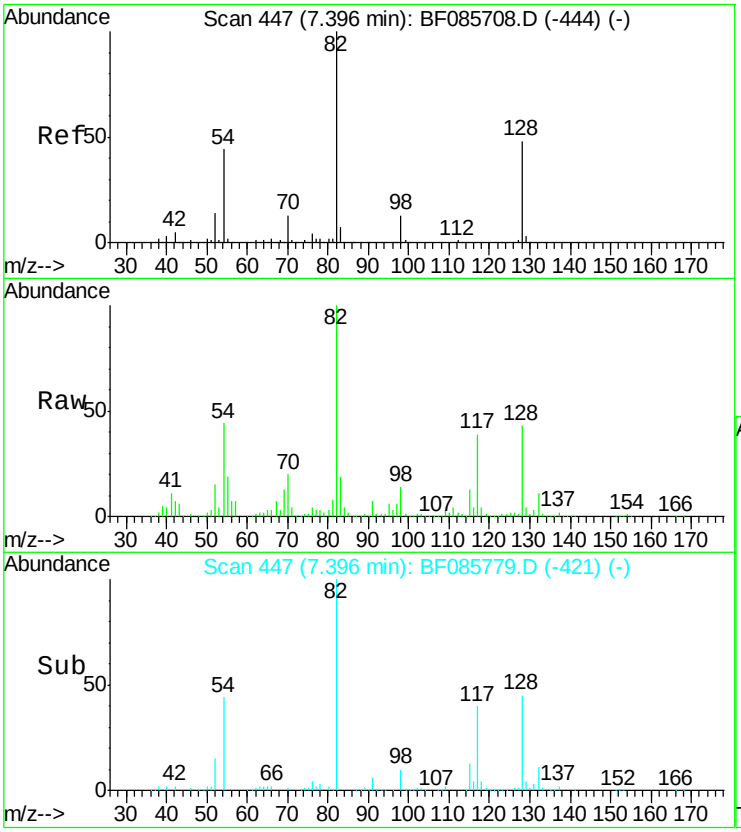


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:136 Resp: 263224

Ion	Ratio	Lower	Upper
136	100		
137	14.4	9.1	13.7#
54	13.3	7.4	11.0#
68	14.4	5.8	8.8#

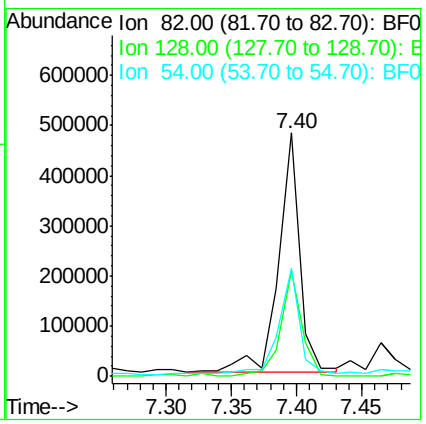




#23
Nitrobenzene-d5
Concen: 115.14 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

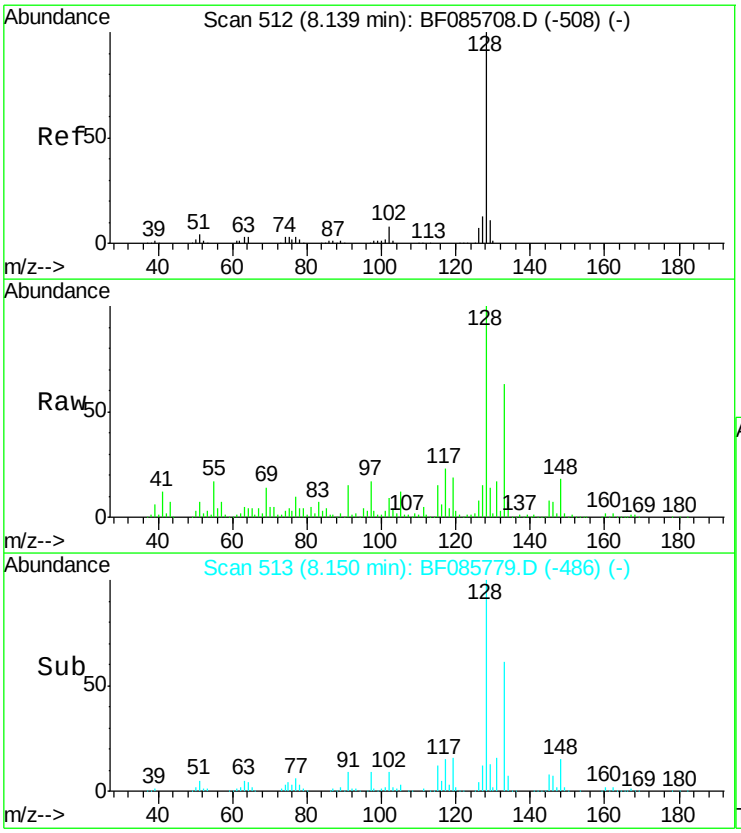
Tgt Ion: 82 Resp: 538192

Ion	Ratio	Lower	Upper
82	100		
128	43.4	41.8	62.8
54	44.3	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
4

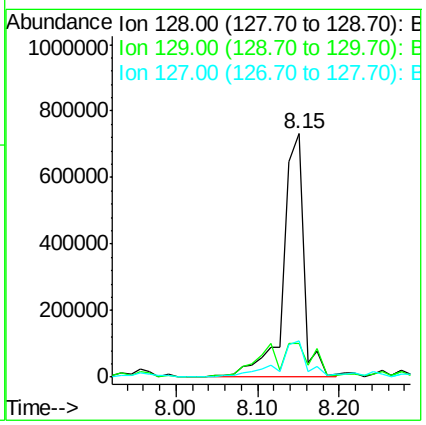
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

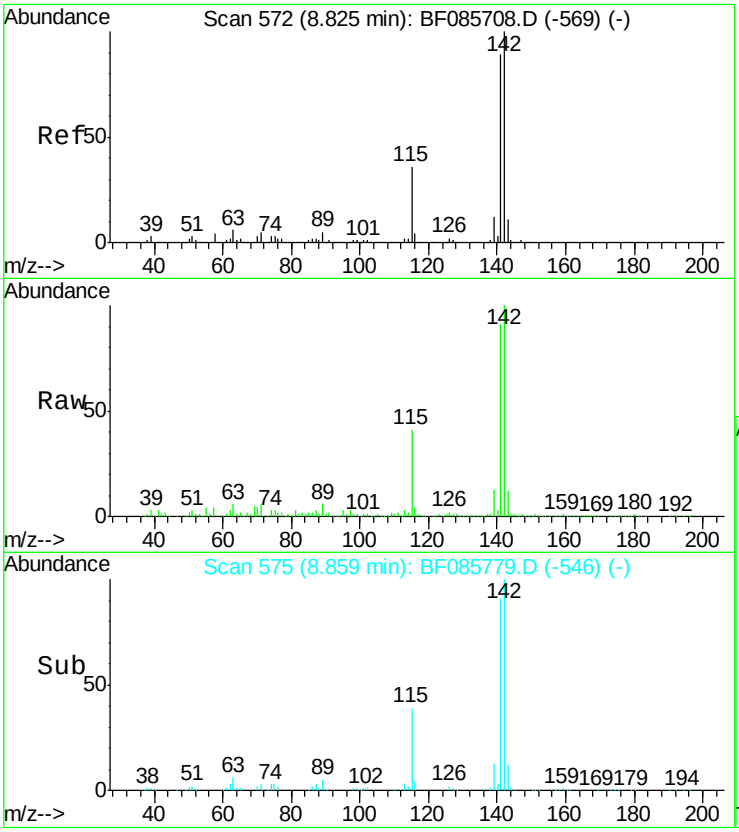


#31
Naphthalene
Concen: 94.95 ng
RT: 8.15 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:128 Resp: 1259327

Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.4	14.0
127	15.0	11.0	16.6

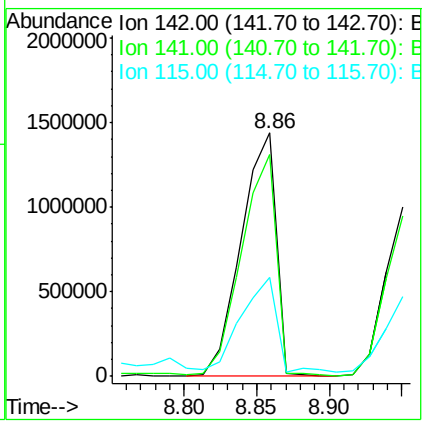




#37
2-Methylnaphthalene
Concen: 285.81 ng
RT: 8.86 min Scan# 575
Delta R.T. 0.03 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

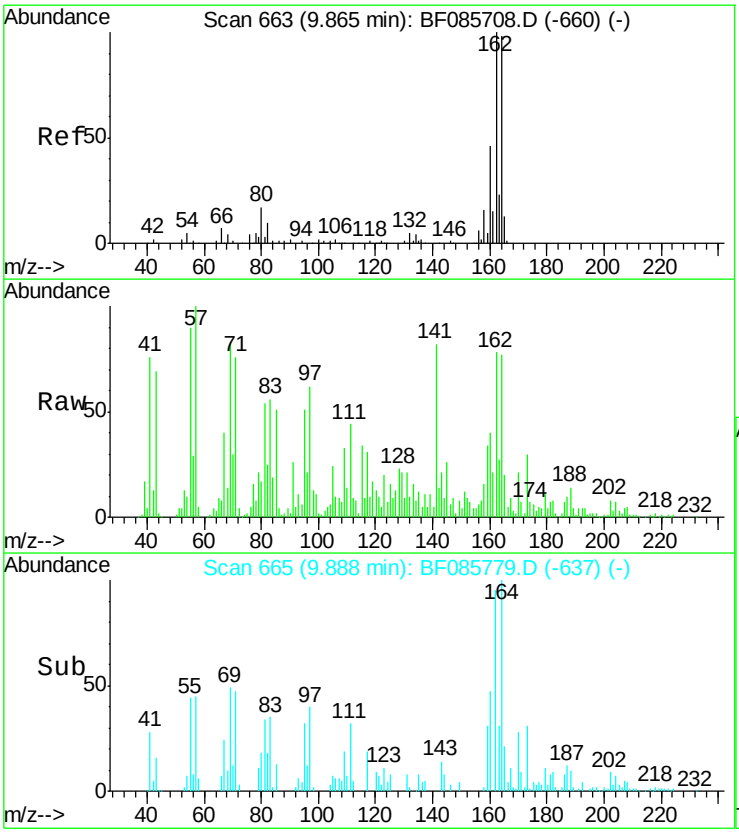
Tgt Ion:142 Resp: 2386975

Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.6	107.4
115	40.7	26.8	40.2#



Instrument :
BNA_F
ClientSampleId :
4

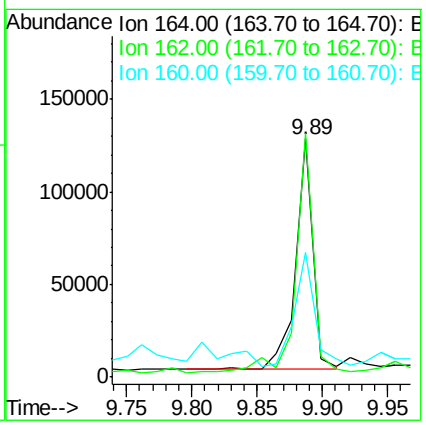
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

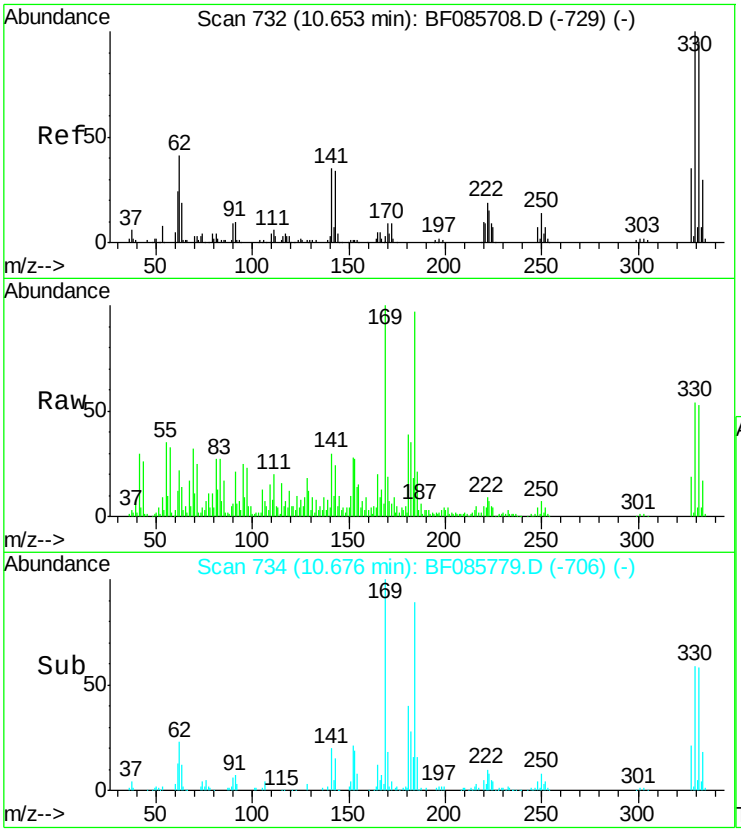


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:164 Resp: 115561

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.1	123.1
160	52.4	37.4	56.2

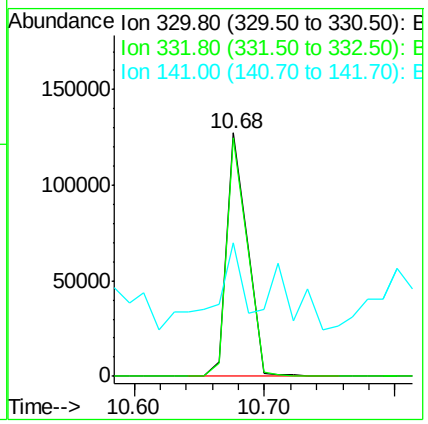




#41
2,4,6-Tribromophenol
Concen: 127.61 ng
RT: 10.68 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

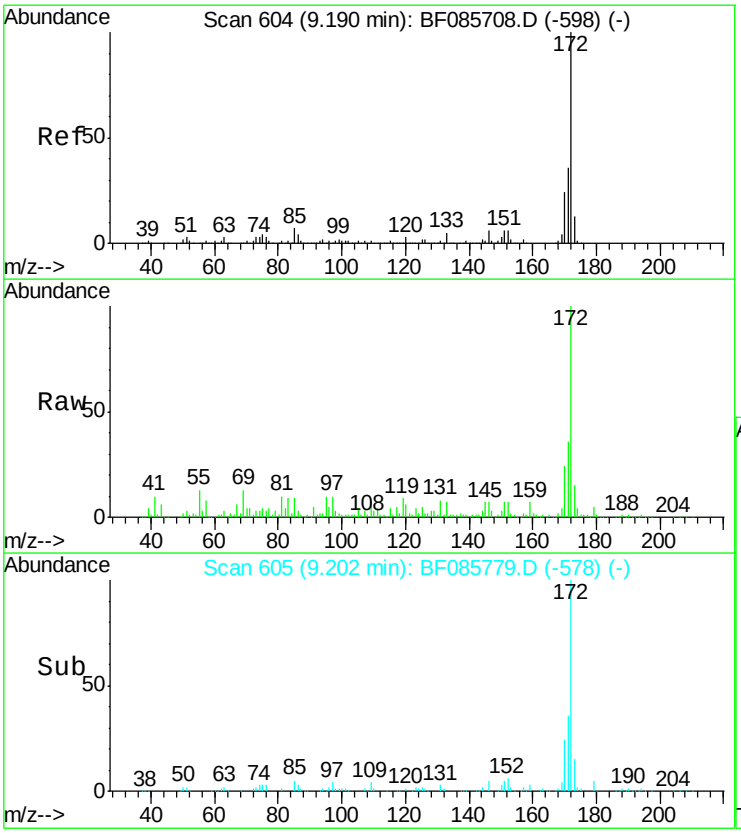
Tgt Ion:330 Resp: 140108

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.2
141	23.6	31.5	47.3#



Instrument :
BNA_F
ClientSampleId :
4

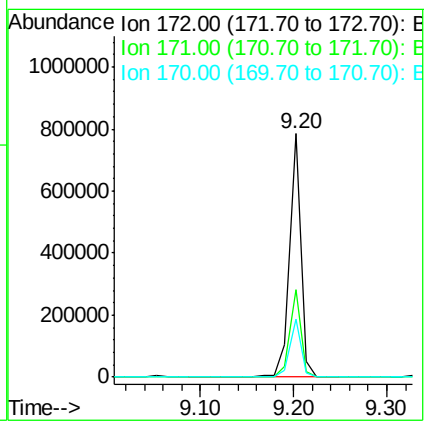
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

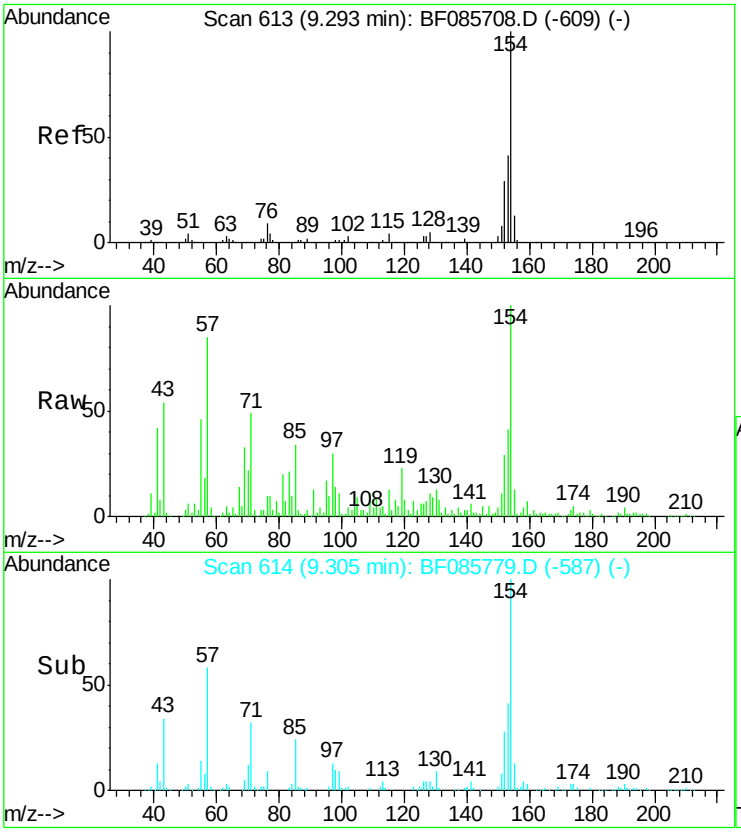


#44
2-Fluorobiphenyl
Concen: 95.68 ng
RT: 9.20 min Scan# 605
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:172 Resp: 661817

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.2
170	23.7	19.8	29.6

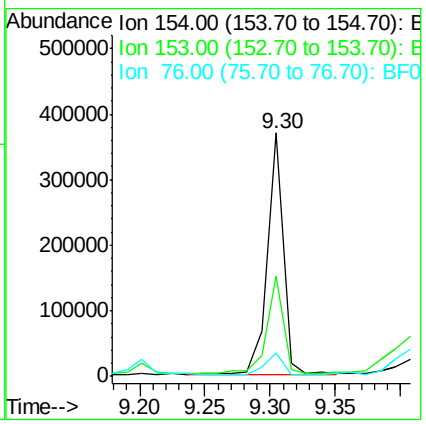




#45
1,1'-Biphenyl
Concen: 32.36 ng
RT: 9.30 min Scan# 614
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

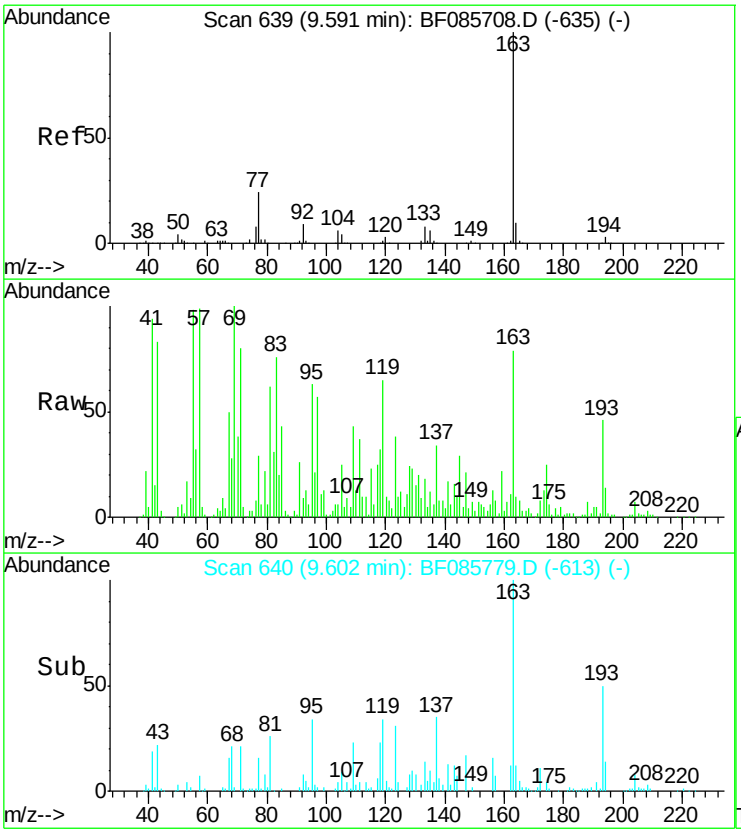
Tgt Ion:154 Resp: 315584

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.8	60.8
76	9.7	0.0	36.7



Instrument :
BNA_F
ClientSampleId :
4

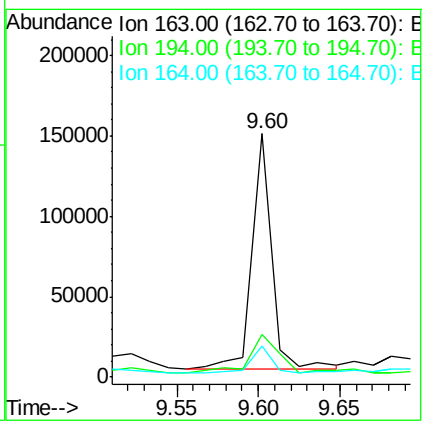
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

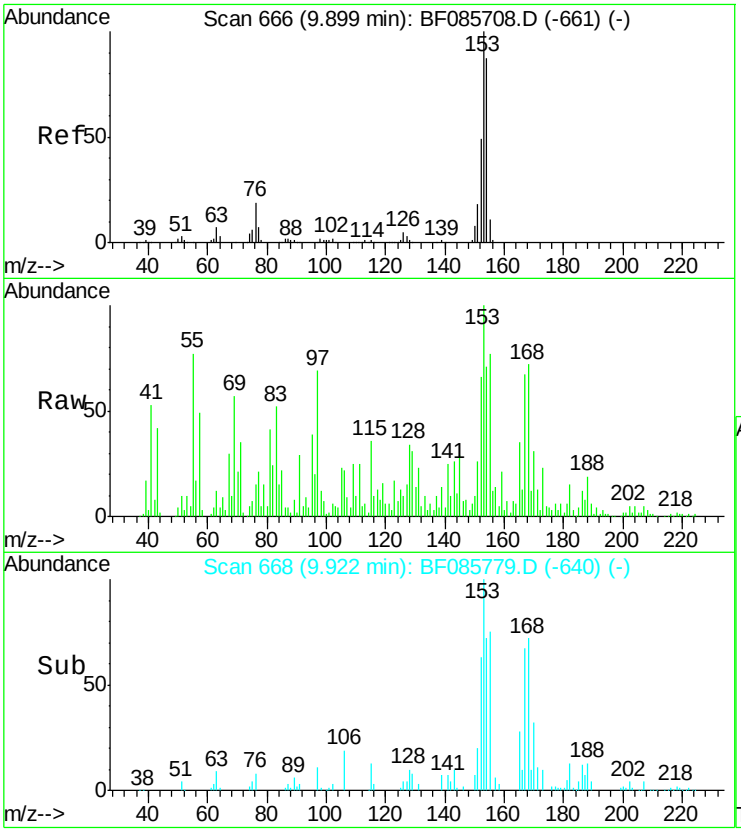


#49
Dimethylphthalate
Concen: 14.22 ng
RT: 9.60 min Scan# 640
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:163 Resp: 124679

Ion	Ratio	Lower	Upper
163	100		
194	17.7	2.9	4.3#
164	12.9	8.3	12.5#

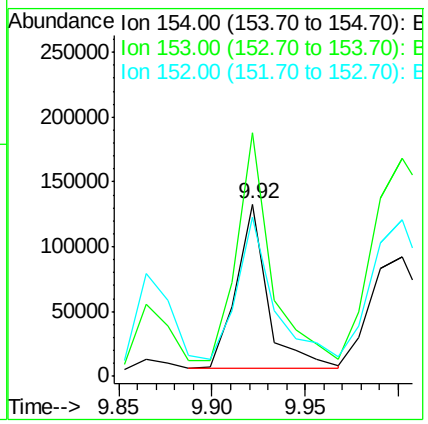




#51
Acenaphthene
Concen: 20.55 ng
RT: 9.92 min Scan# 668
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

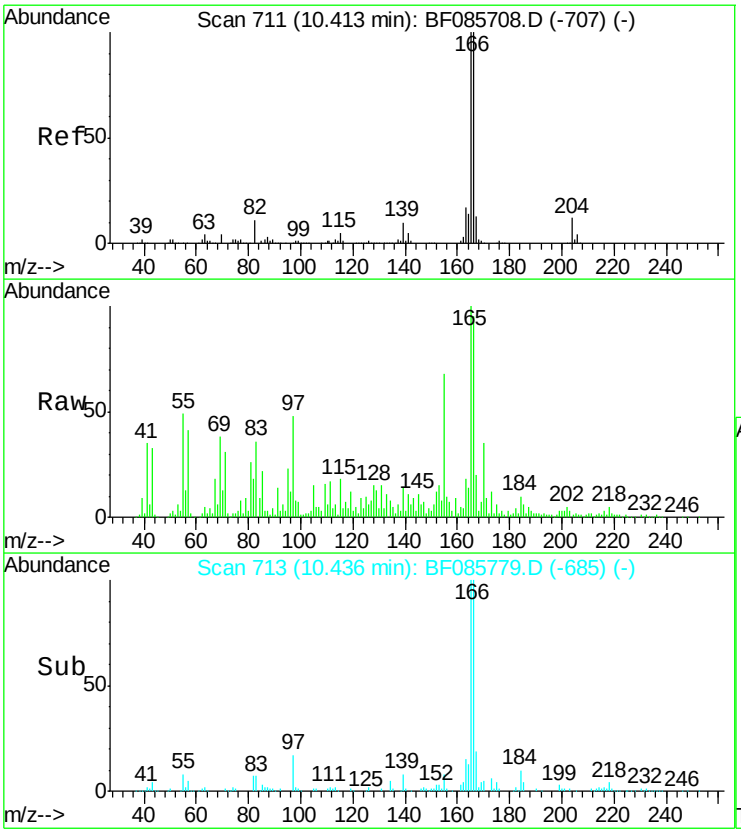
Tgt Ion:154 Resp: 146643

Ion	Ratio	Lower	Upper
154	100		
153	141.2	90.1	135.1#
152	92.6	44.2	66.2#



Instrument :
BNA_F
ClientSampleId :
4

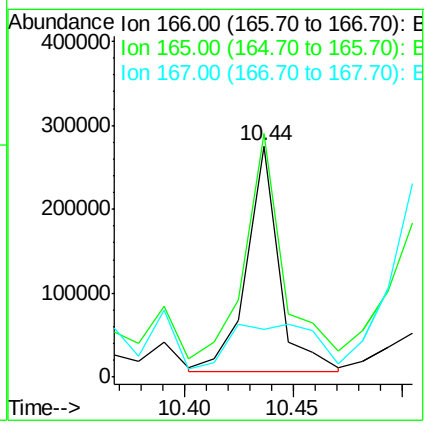
Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

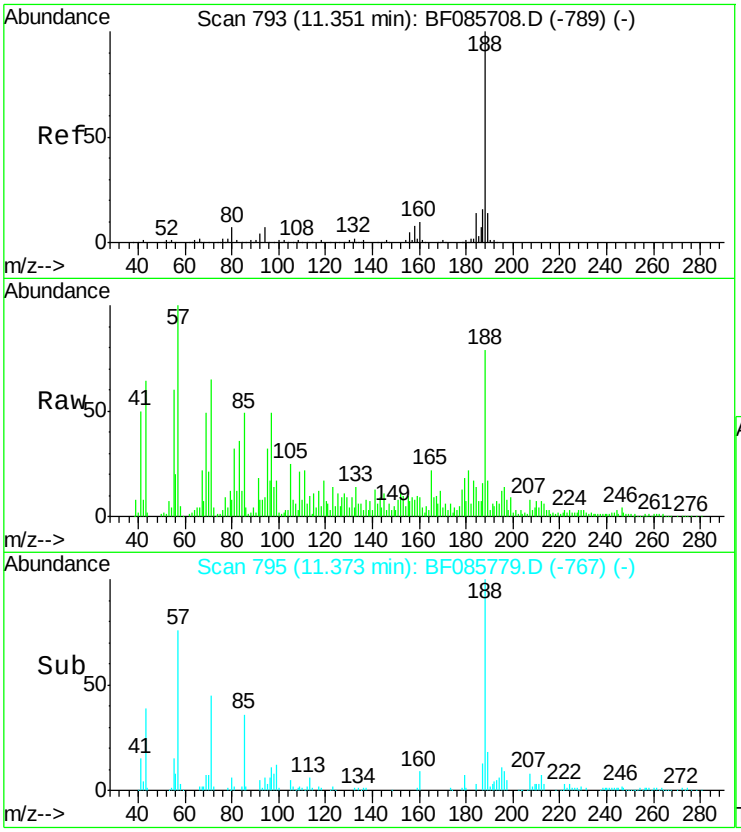


#57
Fluorene
Concen: 36.71 ng
RT: 10.44 min Scan# 713
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:166 Resp: 281895

Ion	Ratio	Lower	Upper
166	100		
165	105.4	79.4	119.0
167	20.9	11.0	16.4#





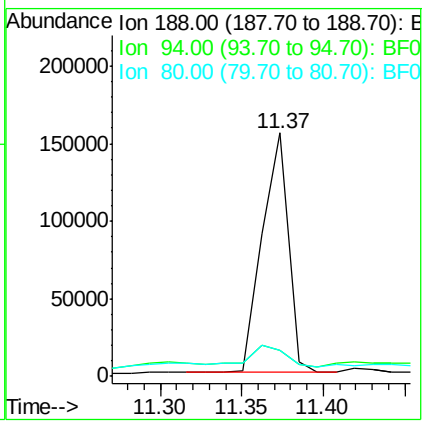
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

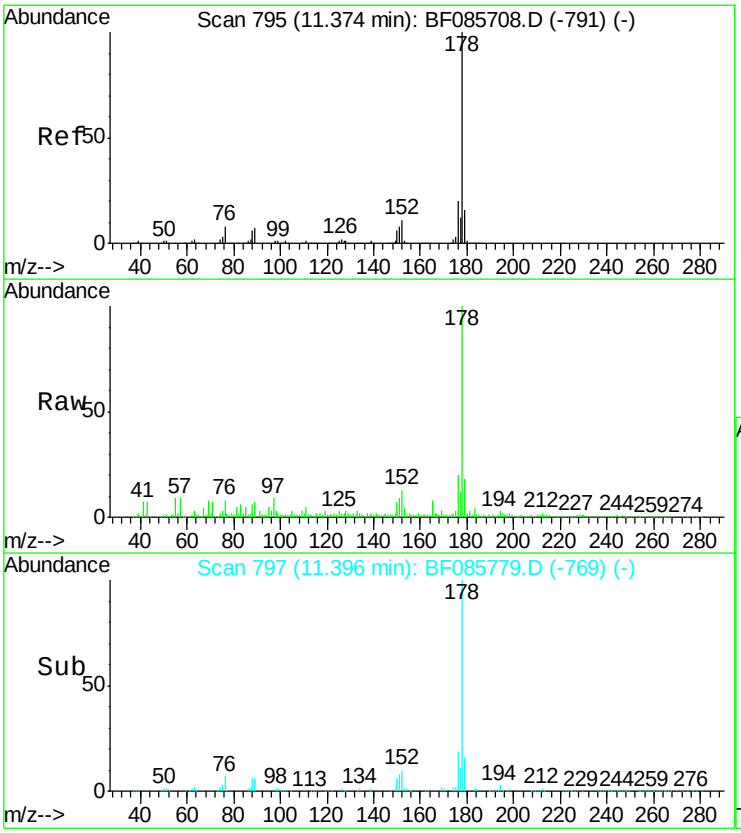
Tgt Ion:188 Resp: 173195

Ion	Ratio	Lower	Upper
188	100		
94	10.8	5.4	8.0#
80	10.6	5.5	8.3#

Instrument :
BNA_F
ClientSampleId :
4

Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

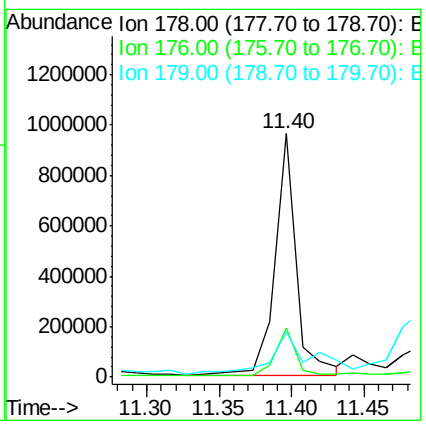


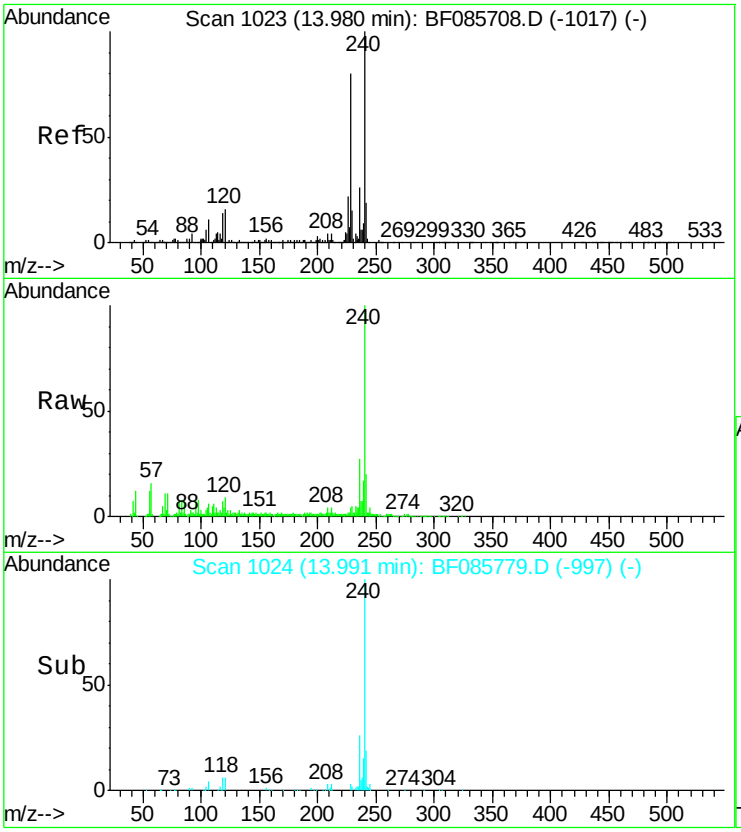


#70
Phenanthrene
Concen: 108.54 ng
RT: 11.40 min Scan# 797
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:178 Resp: 965278

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	18.5	12.6	18.8





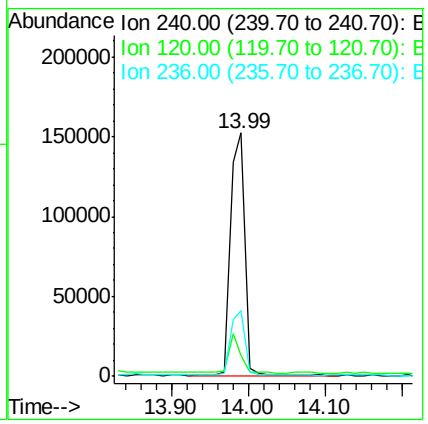
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

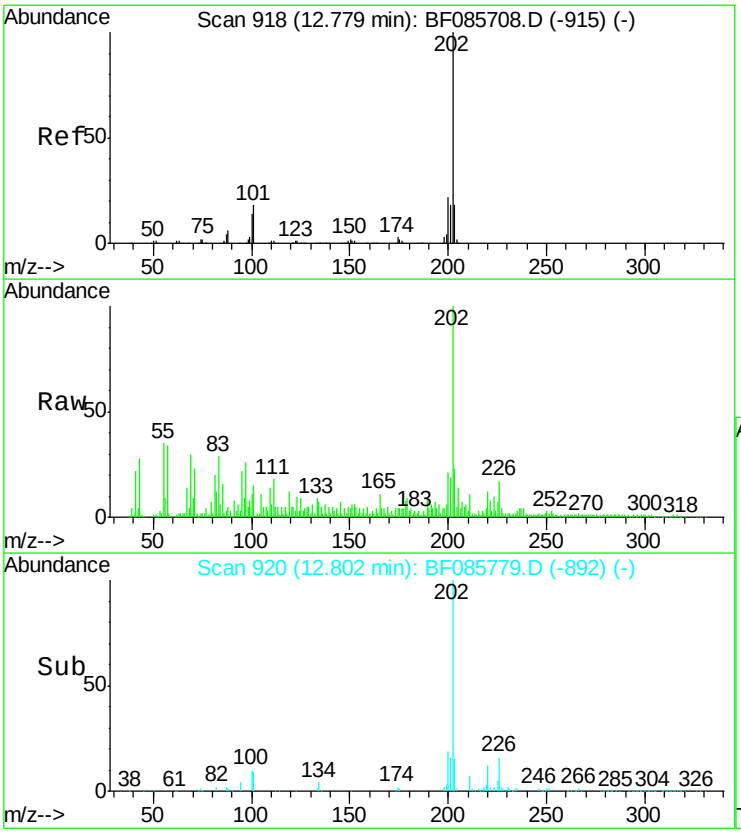
Tgt Ion:240 Resp: 202369

Ion	Ratio	Lower	Upper
240	100		
120	8.6	13.8	20.8#
236	26.8	20.6	30.8

Instrument :
BNA_F
ClientSampleId :
4

Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM

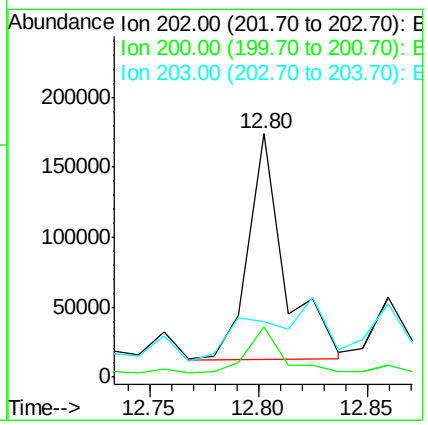


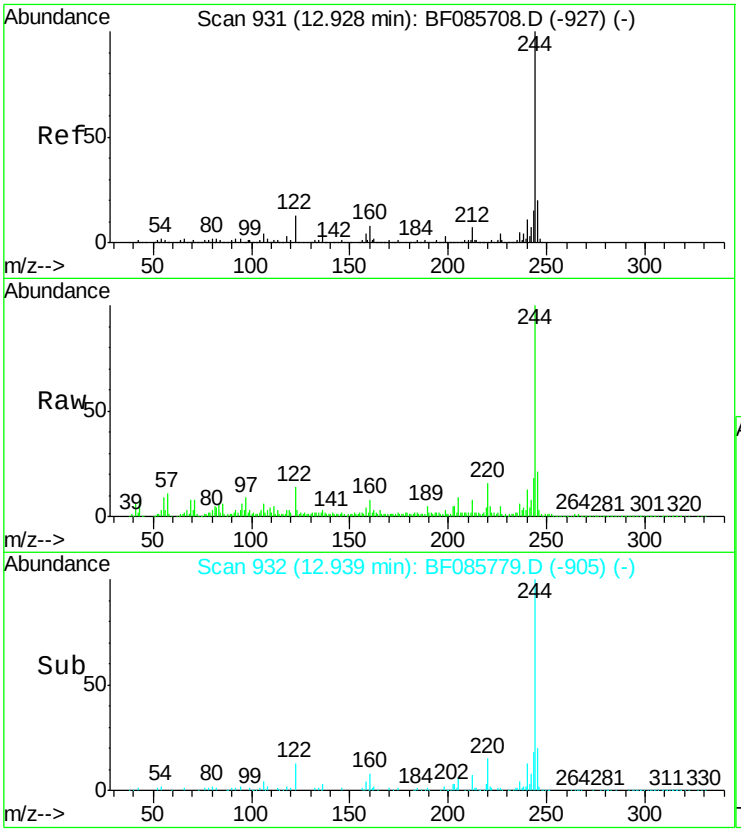


#77
Pyrene
Concen: 11.37 ng
RT: 12.80 min Scan# 920
Delta R.T. 0.02 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:202 Resp: 189219

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	23.0	14.0	21.0#

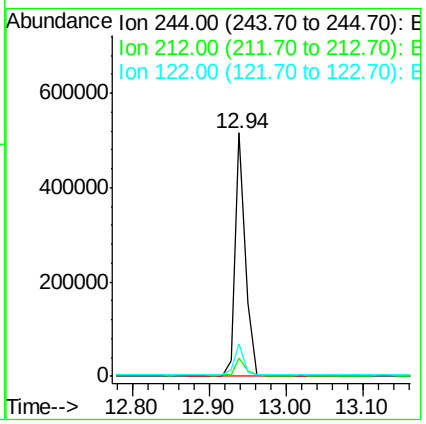




#78
Terphenyl-d14
Concen: 49.36 ng
RT: 12.94 min Scan# 932
Delta R.T. 0.01 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

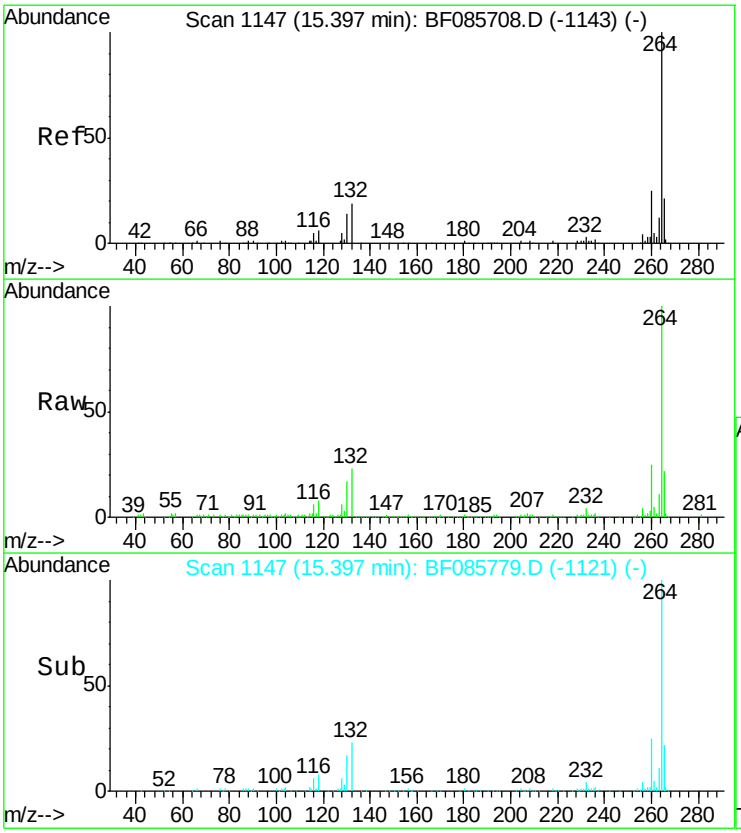
Tgt Ion:244 Resp: 485695

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	13.5	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
4

Manual Integrations APPROVED
Sohil
3/28/2016 8:00:52 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085779.D
Acq: 25 Mar 2016 23:38

Tgt Ion:264 Resp: 175062

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.6	17.2	25.8