Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
Data File : BF089839.D
Acq On : 23 Aug 2016 17:11
Operator : UM/SJ
Sample : H4547-16
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

Quant Time: Aug 25 13:52:20 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	432790	20.00	ng		-0.01
21) Naphthalene-d8	7.96	136	1290156	20.00	ng		-0.01
38) Acenaphthene-d10	9.70	164	817275	20.00	ng		-0.01
63) Phenanthrene-d10	11.18	188	1527441	20.00	ng		-0.01
75) Chrysene-d12	13.84	240	1313058	20.00	ng		-0.03
86) Perylene-d12	15.30	264	1065710	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	592090	23.46	ng		0.00
7) Phenol-d6	6.31	99	1929546	62.28	ng		-0.01
23) Nitrobenzene-d5	7.24	82	1050475	50.58	ng		-0.01
41) 2,4,6-Tribromophenol	10.49	330	593394	76.40	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	2497309	53.70	ng		-0.01
78) Terphenyl-d14	12.78	244	2095056	36.10	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.32	94	106113	2.92	ng		89
27) 2,4-Dimethylphenol	7.62	122	130675m	6.24	ng		
31) Naphthalene	7.99	128	9077088	150.54	ng	#	93
37) 2-Methylnaphthalene	8.68	142	6449786	165.34	ng	#	93
45) 1,1'-Biphenyl	9.13	154	190111	3.01	ng		98
49) Dimethylphthalate	9.44	163	877353	15.25	ng		97
57) Fluorene	10.25	166	101317	2.04	ng	#	90

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

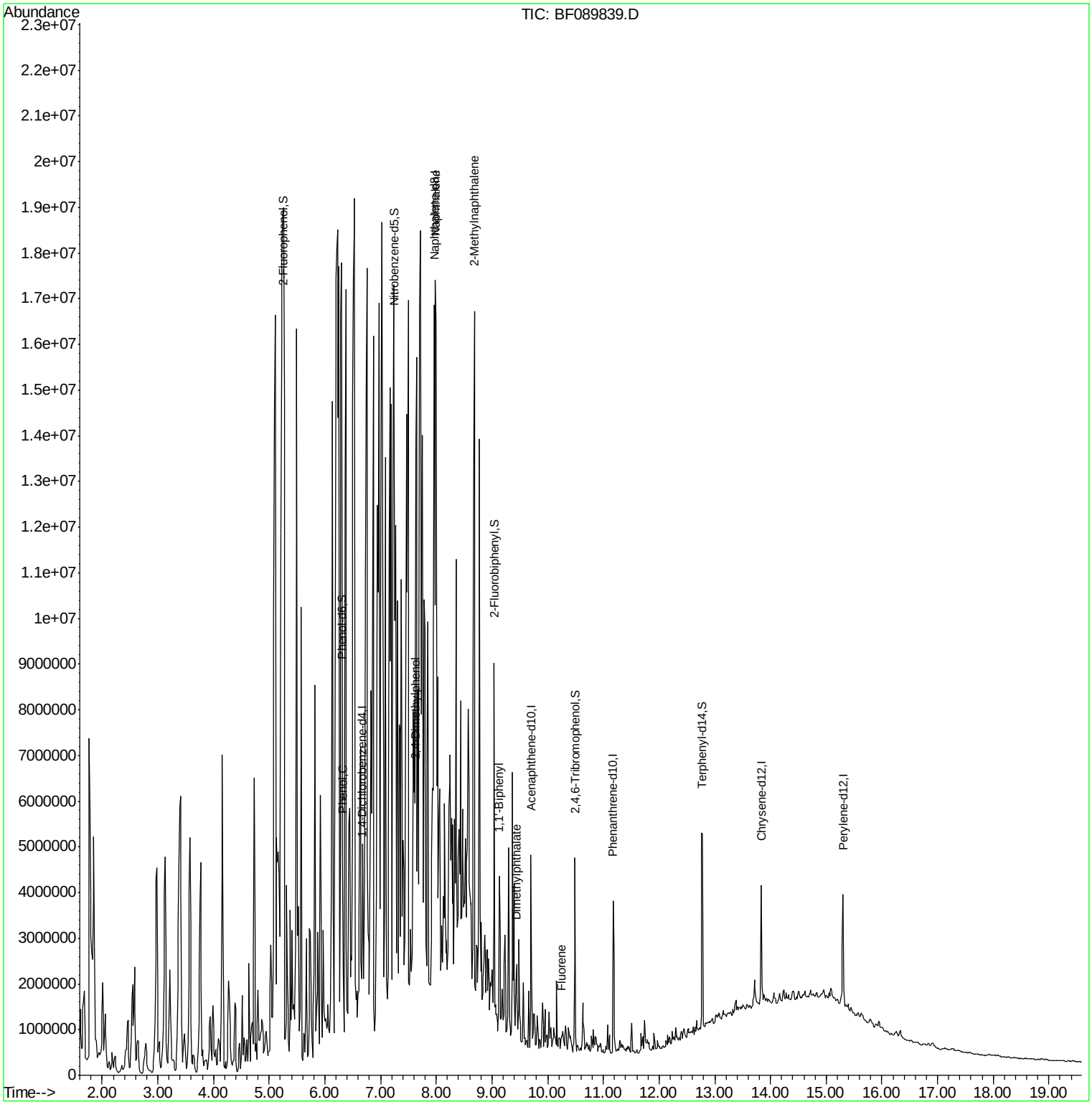
Quantitation Report (QT Reviewed)

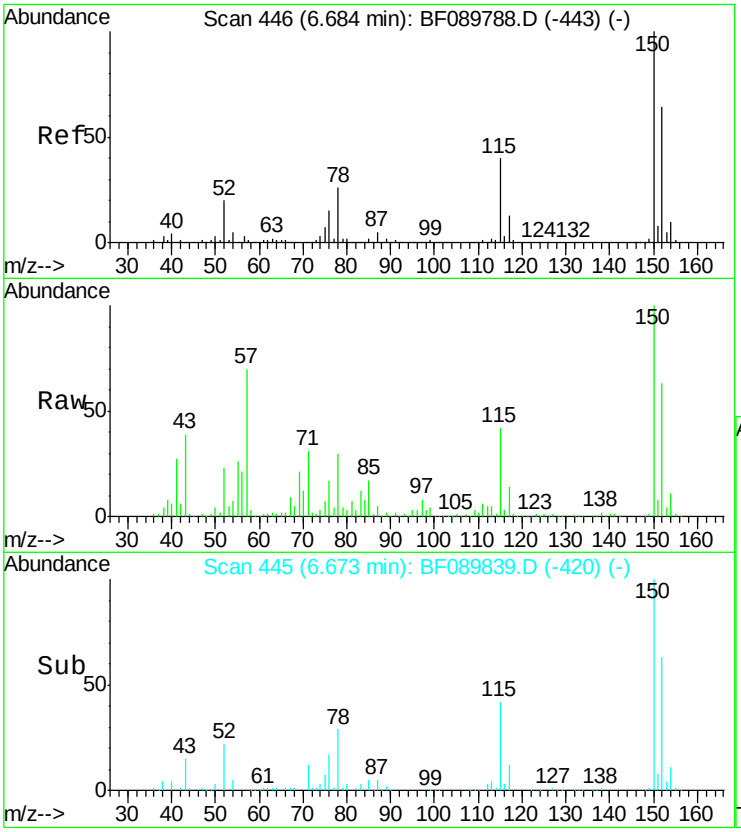
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
Data File : BF089839.D
Acq On : 23 Aug 2016 17:11
Operator : UM/SJ
Sample : H4547-16
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 25 13:52:20 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

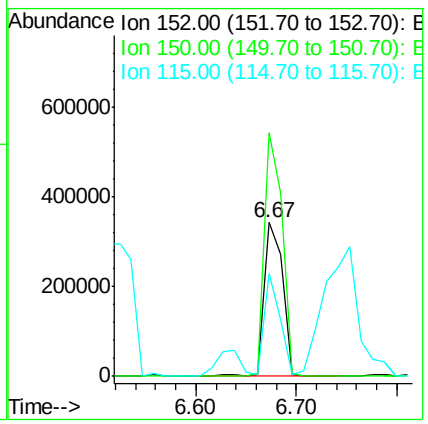




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

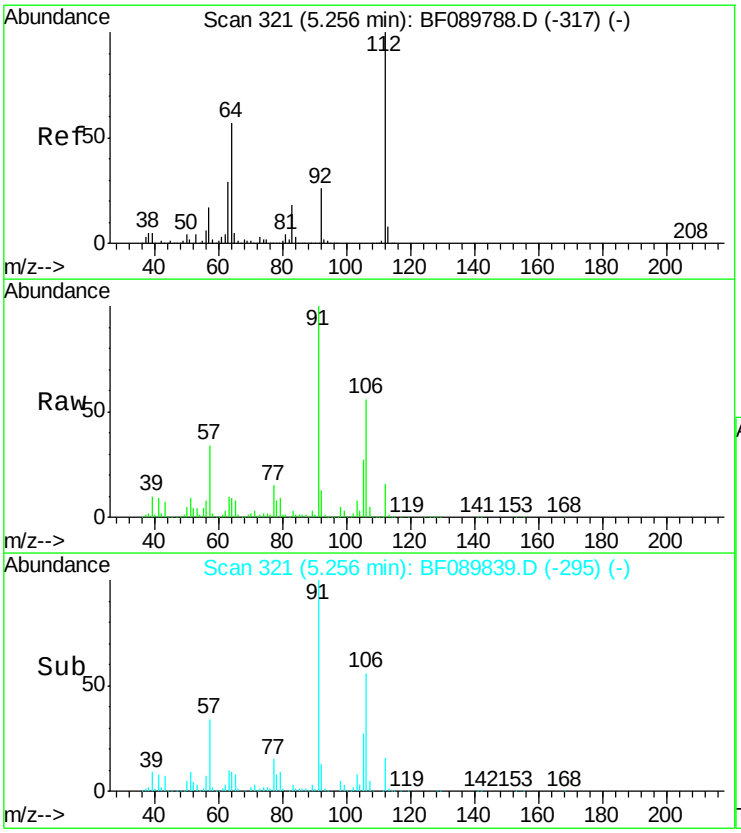
Tgt Ion:152 Resp: 432790

Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	67.2	40.9	61.3#



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

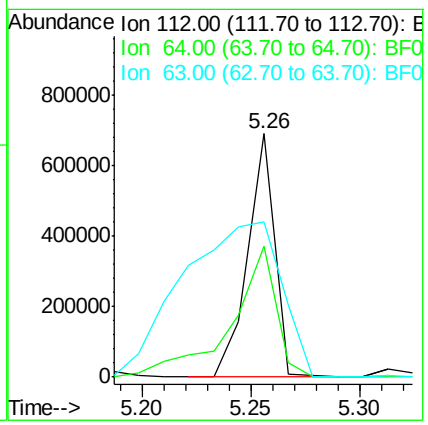
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

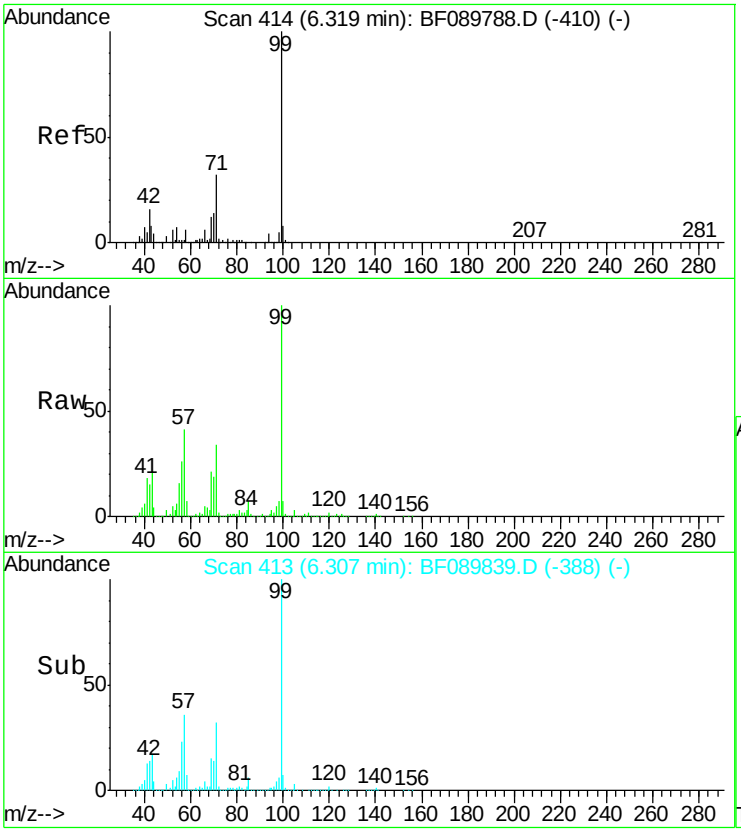


#5
2-Fluorophenol
Concen: 23.46 ng
RT: 5.26 min Scan# 321
Delta R.T. 0.00 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:112 Resp: 592090

Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.0	67.4
63	63.9	23.1	34.7#

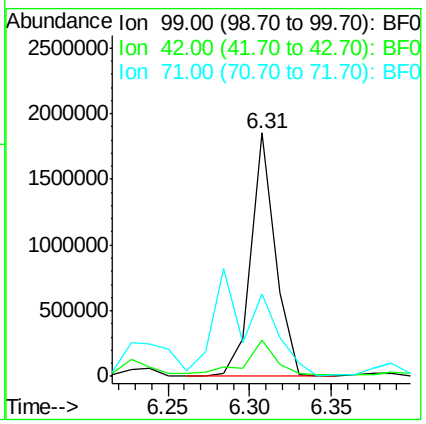




#7
Phenol-d6
Concen: 62.28 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

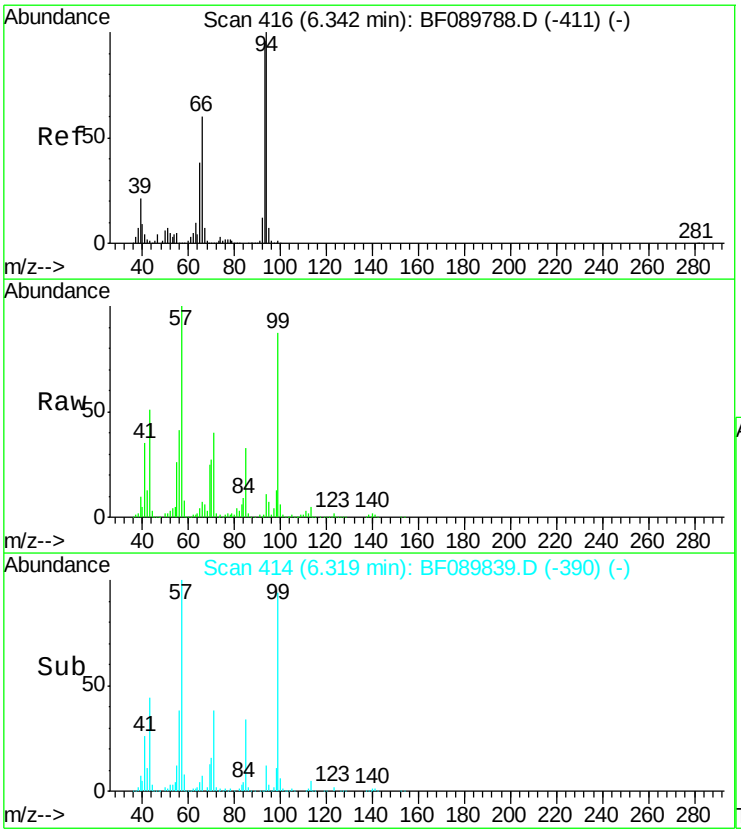
Tgt Ion: 99 Resp: 1929546

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.2	18.4
71	33.7	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

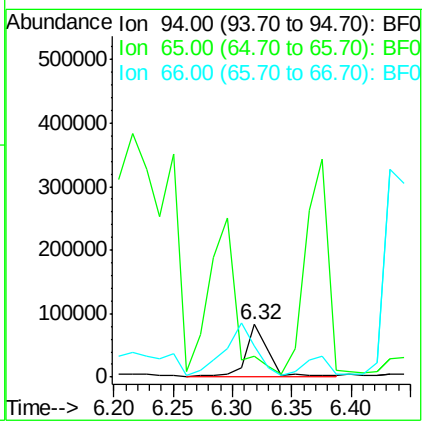
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

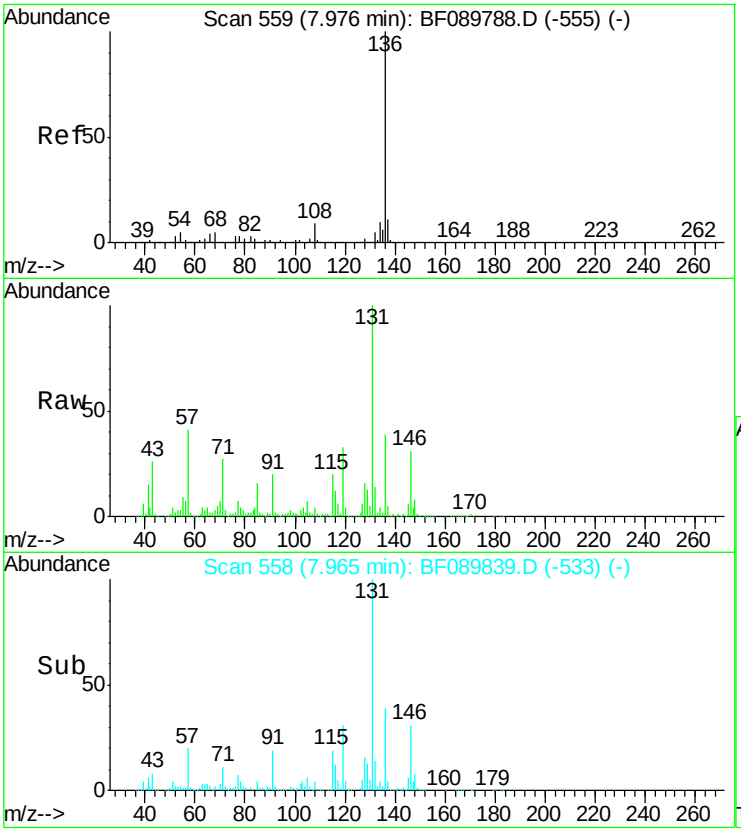


#10
Phenol
Concen: 2.92 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion: 94 Resp: 106113

Ion	Ratio	Lower	Upper
94	100		
65	39.5	14.0	54.0
66	59.3	31.2	71.2

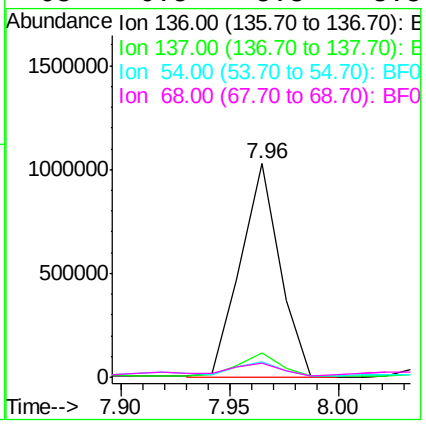




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

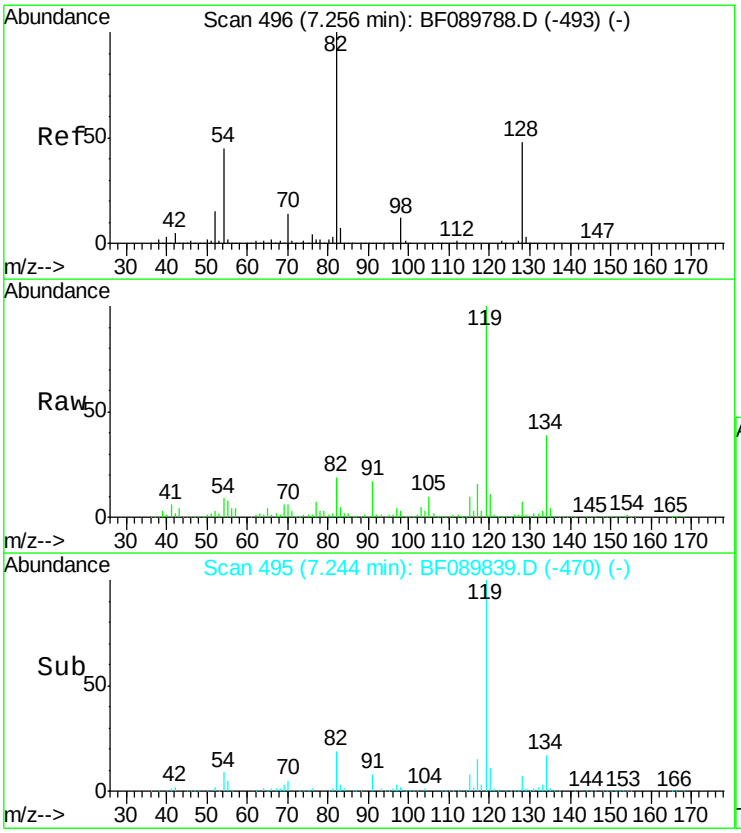
Tgt Ion:136 Resp: 1290156

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	6.9	7.2	10.8#
68	6.5	5.8	8.8



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

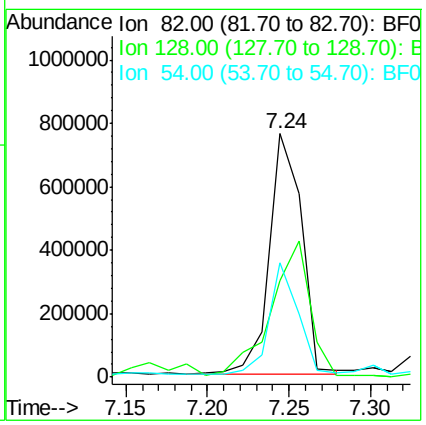
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

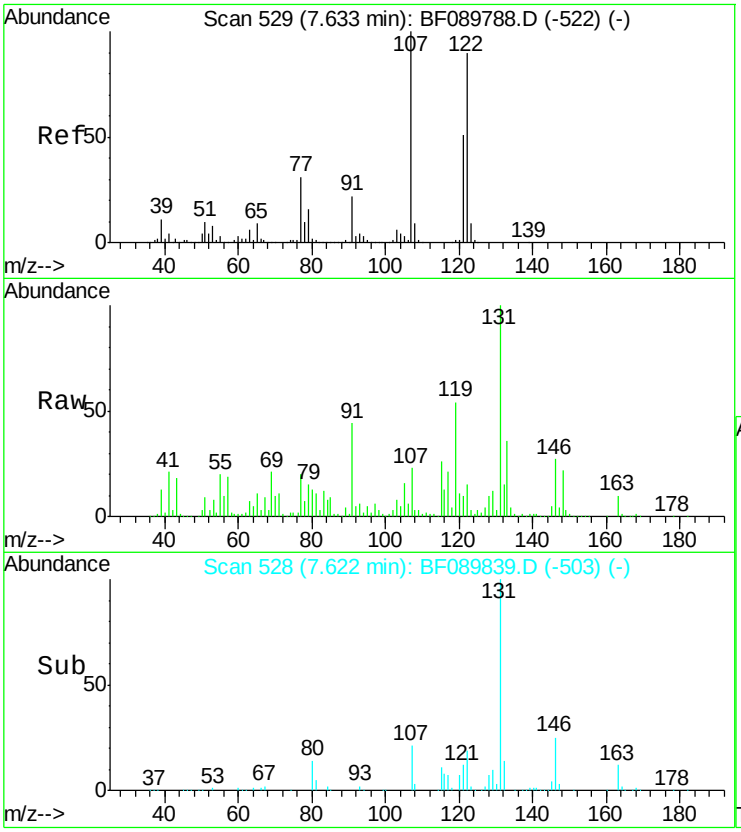


#23
Nitrobenzene-d5
Concen: 50.58 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion: 82 Resp: 1050475

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.4	51.6
54	47.1	40.3	60.5

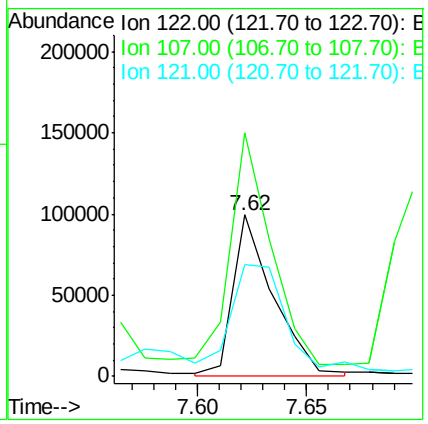




#27
2,4-Dimethylphenol
Concen: 6.24 ng m
RT: 7.62 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

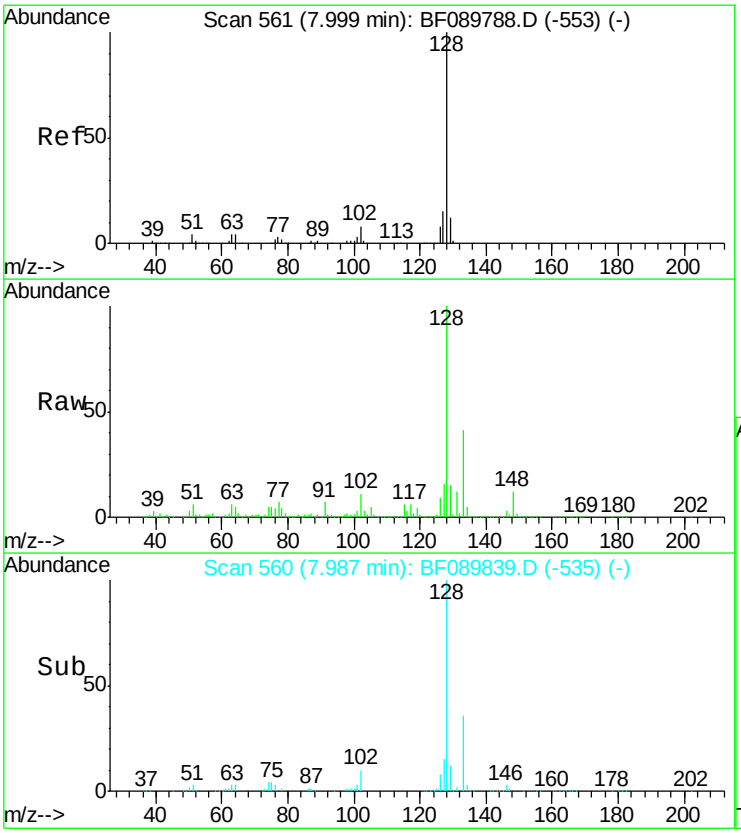
Tgt Ion:122 Resp: 130675

Ion	Ratio	Lower	Upper
122	100		
107	150.6	84.8	127.2#
121	68.9	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

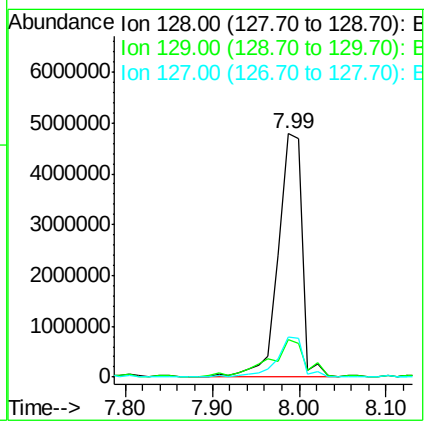
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

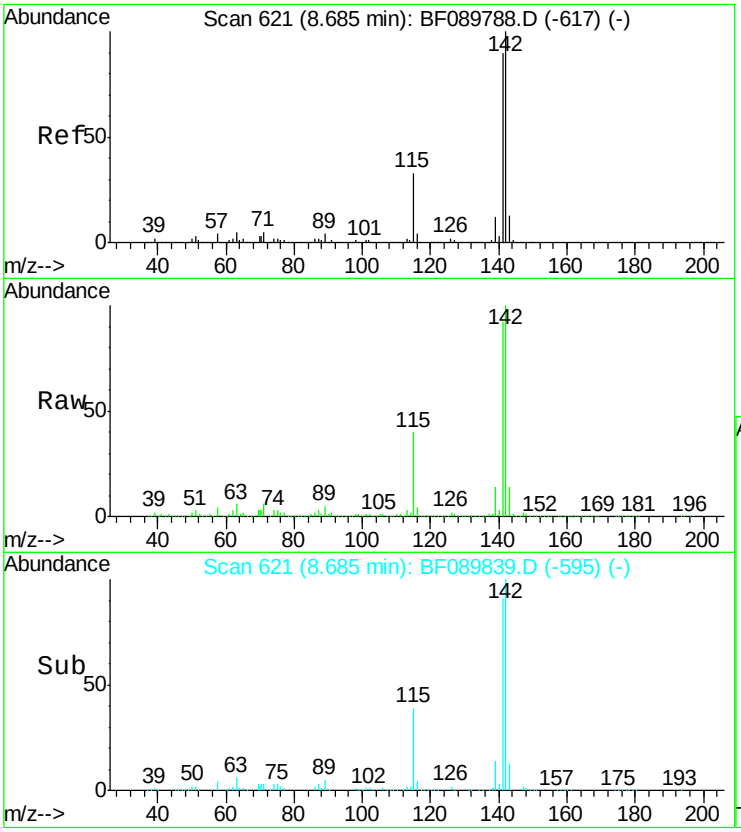


#31
Naphthalene
Concen: 150.54 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:128 Resp: 9077088

Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.5	14.3#
127	16.4	11.3	16.9

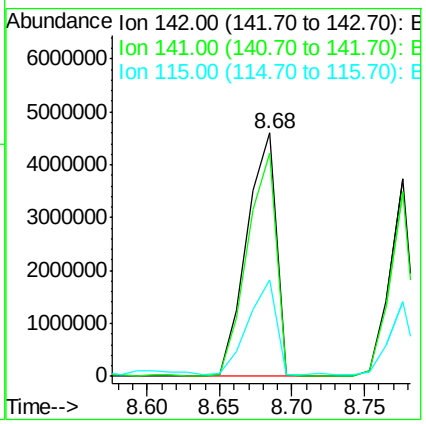




#37
2-Methylnaphthalene
Concen: 165.34 ng
RT: 8.68 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

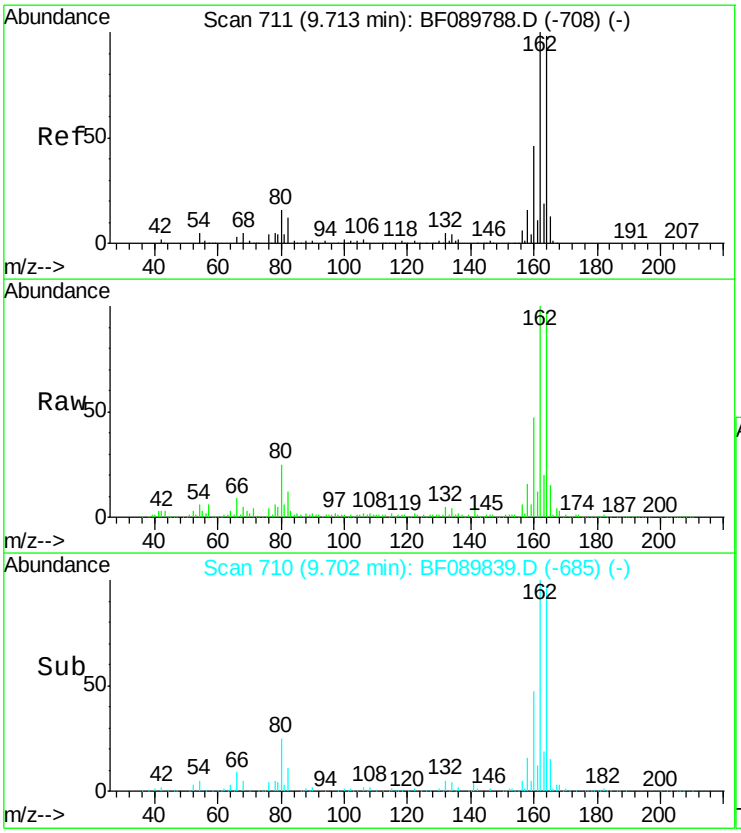
Tgt Ion:142 Resp: 6449786

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.4	107.2
115	39.8	22.7	34.1#



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

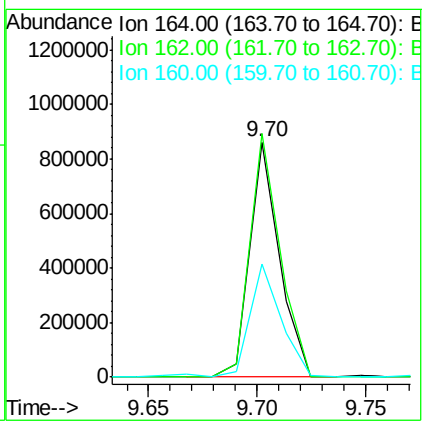
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

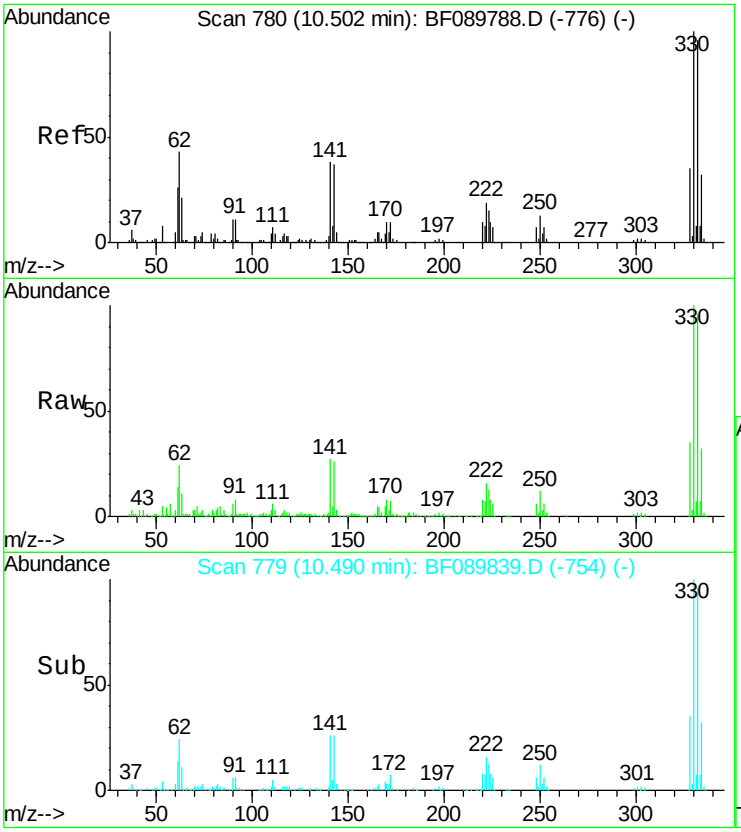


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:164 Resp: 817275

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.4	122.2
160	48.2	37.8	56.6

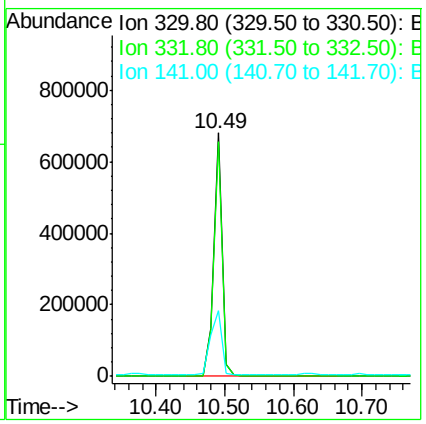




#41
2,4,6-Tribromophenol
Concen: 76.40 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

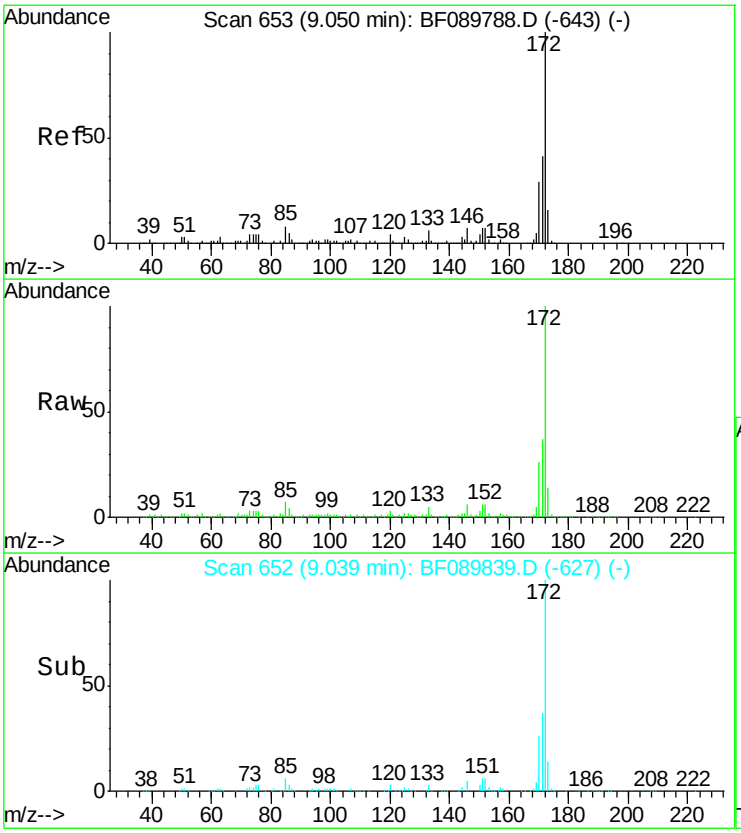
Tgt Ion:330 Resp: 593394

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	35.9	30.2	45.2



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

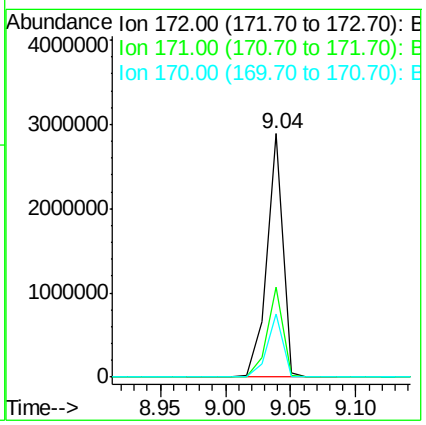
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

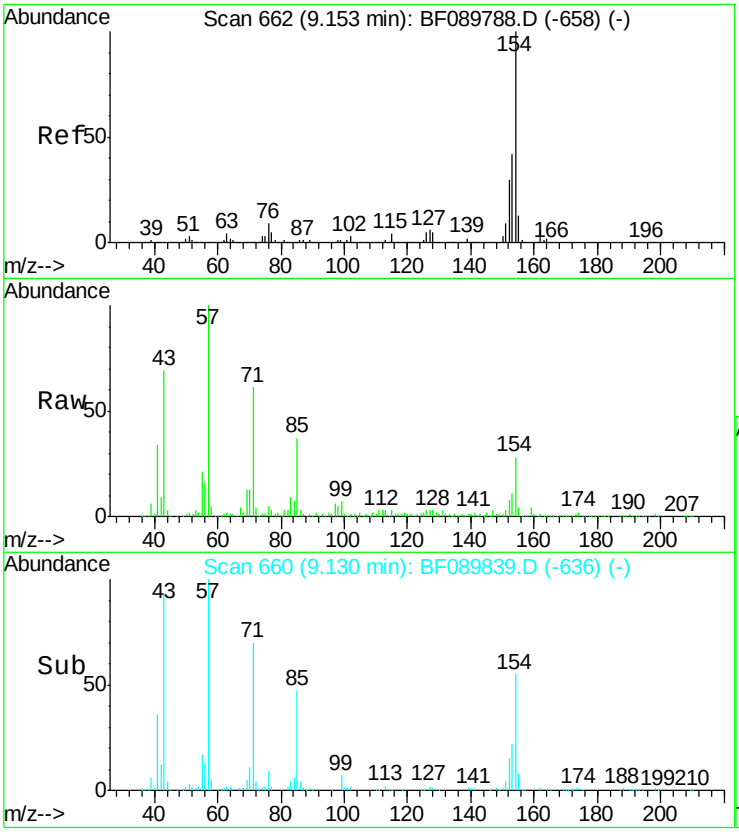


#44
2-Fluorobiphenyl
Concen: 53.70 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:172 Resp: 2497309

Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.7
170	25.7	20.6	31.0

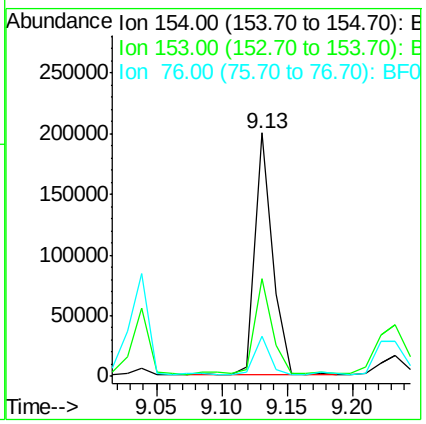




#45
1,1'-Biphenyl
Concen: 3.01 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

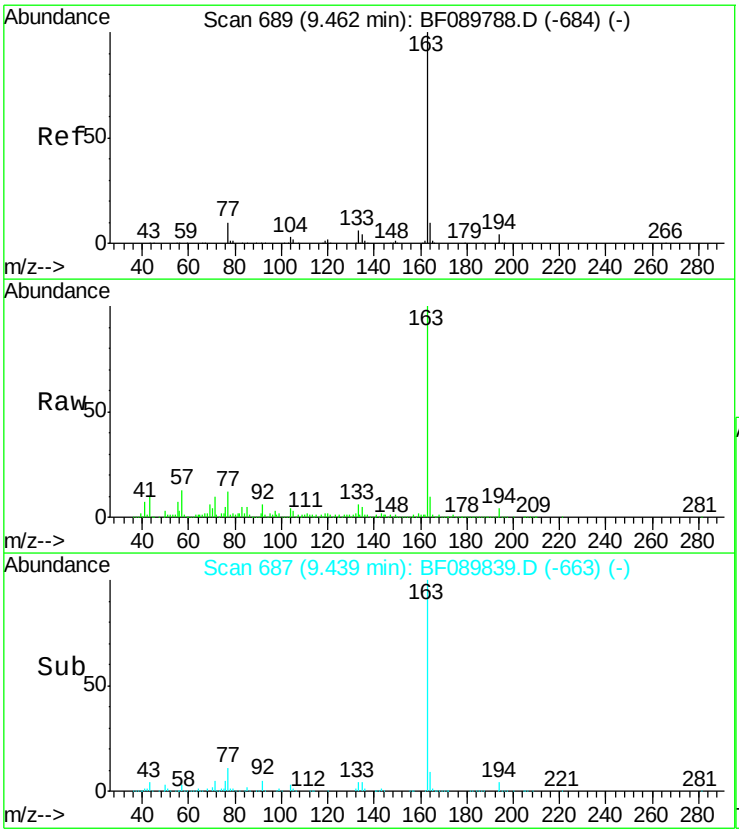
Tgt Ion:154 Resp: 190111

Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.5	61.5
76	16.4	0.0	36.7



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

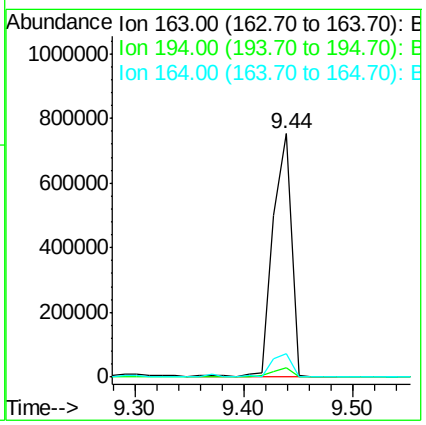
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

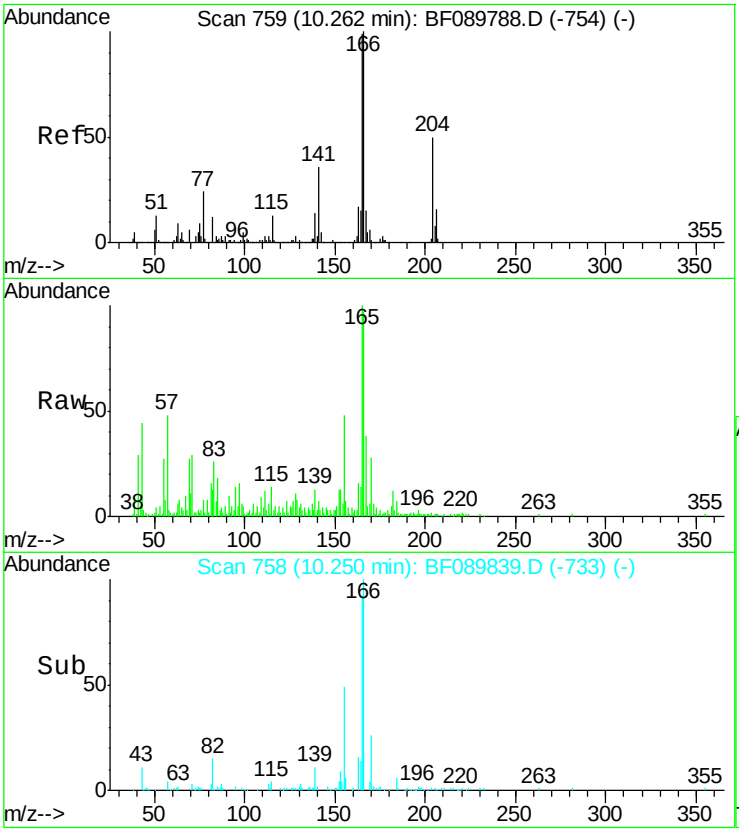


#49
Dimethylphthalate
Concen: 15.25 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:163 Resp: 877353

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	3.8
164	9.7	8.6	12.8

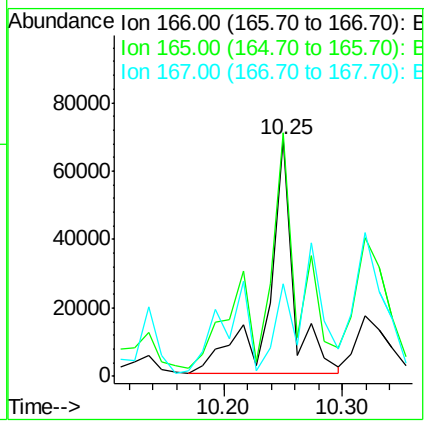




#57
Fluorene
Concen: 2.04 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

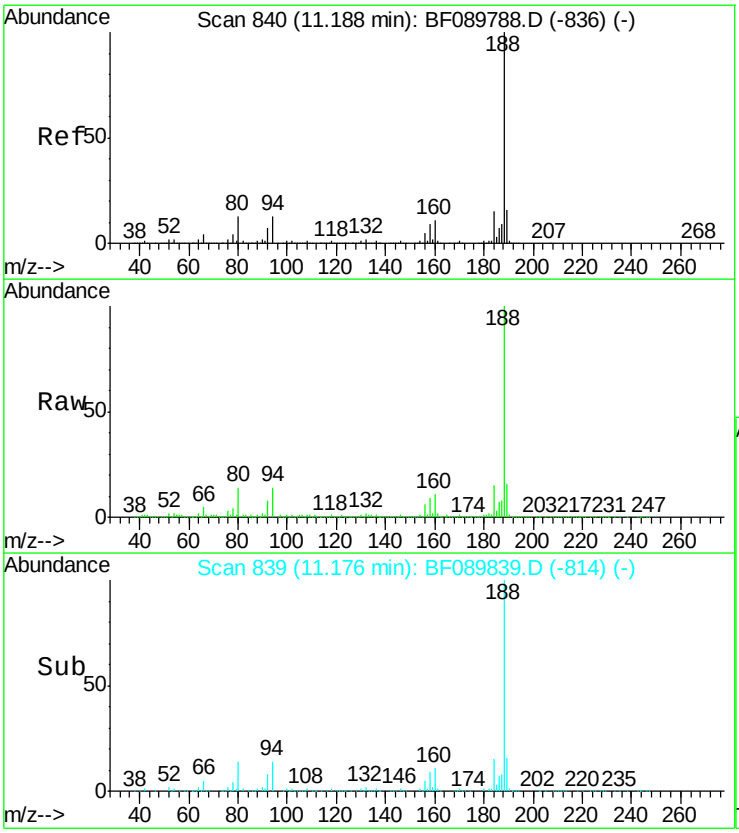
Tgt Ion:166 Resp: 101317

Ion	Ratio	Lower	Upper
166	100		
165	102.9	80.2	120.4
167	39.0	11.3	16.9#



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

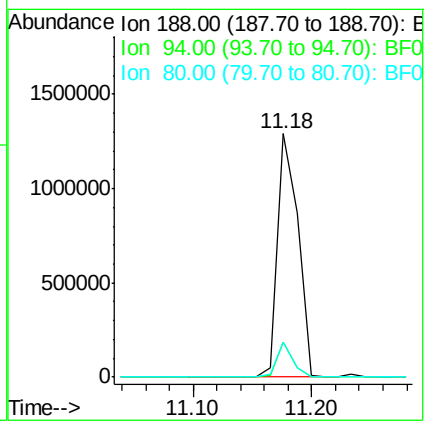
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

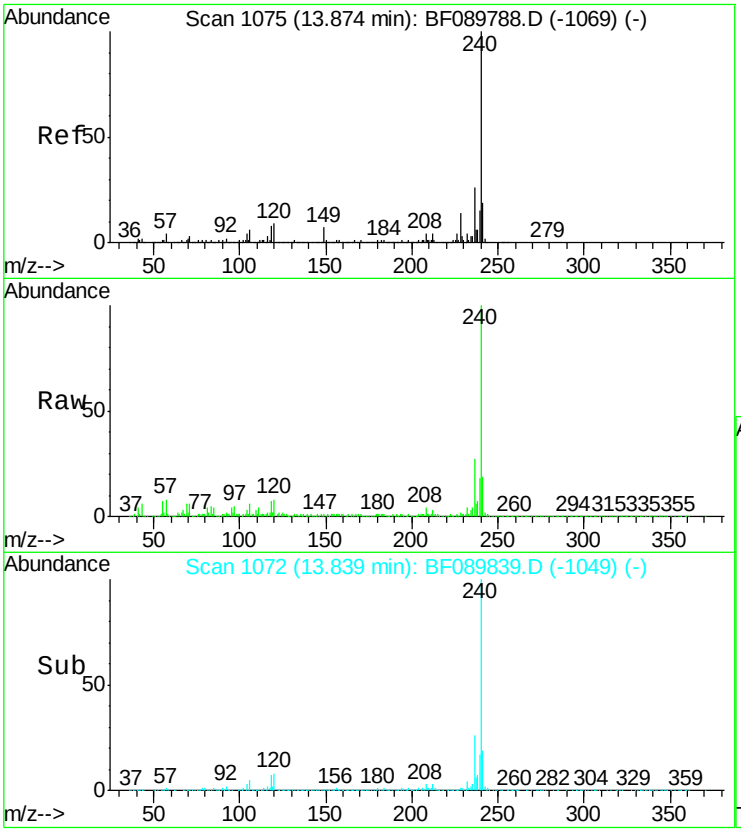


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:188 Resp: 1527441

Ion	Ratio	Lower	Upper
188	100		
94	14.1	10.2	15.2
80	14.4	10.9	16.3

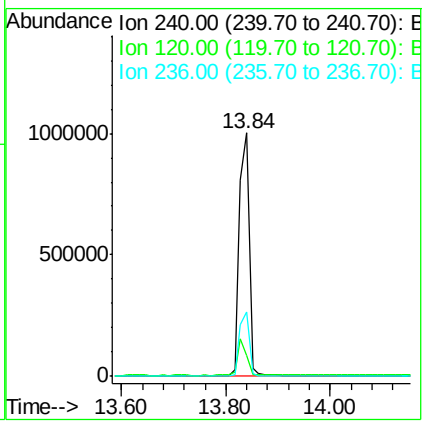




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

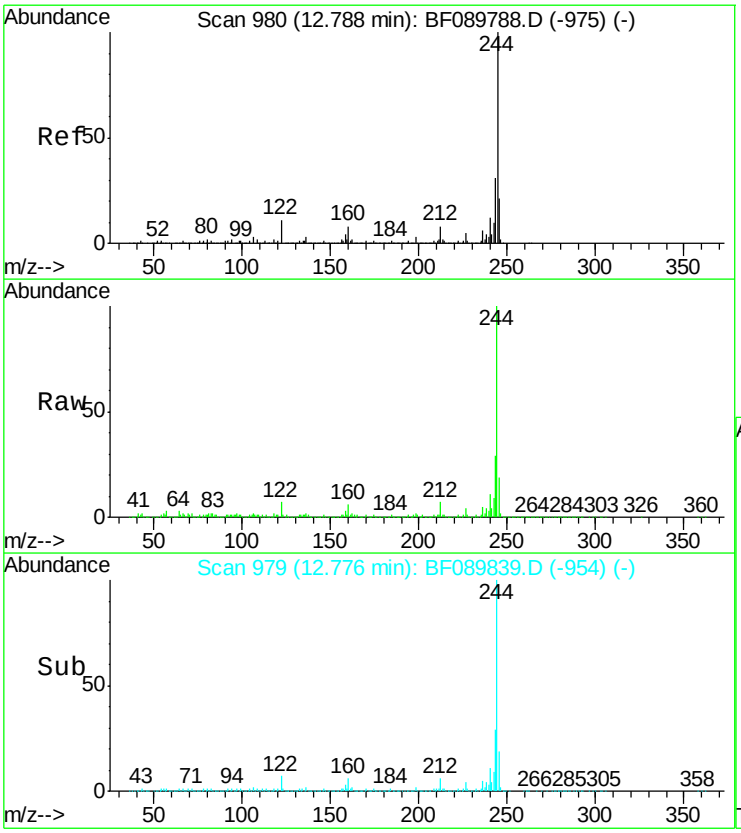
Tgt Ion:240 Resp: 1313058

Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.3	12.5
236	26.5	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

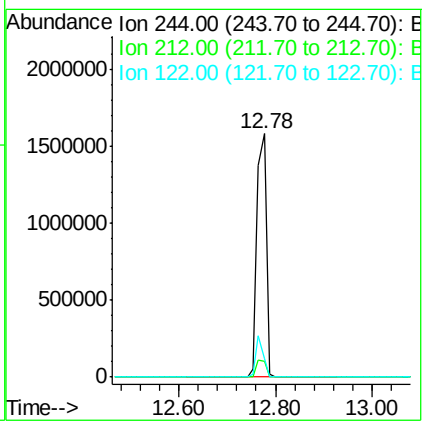
Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM

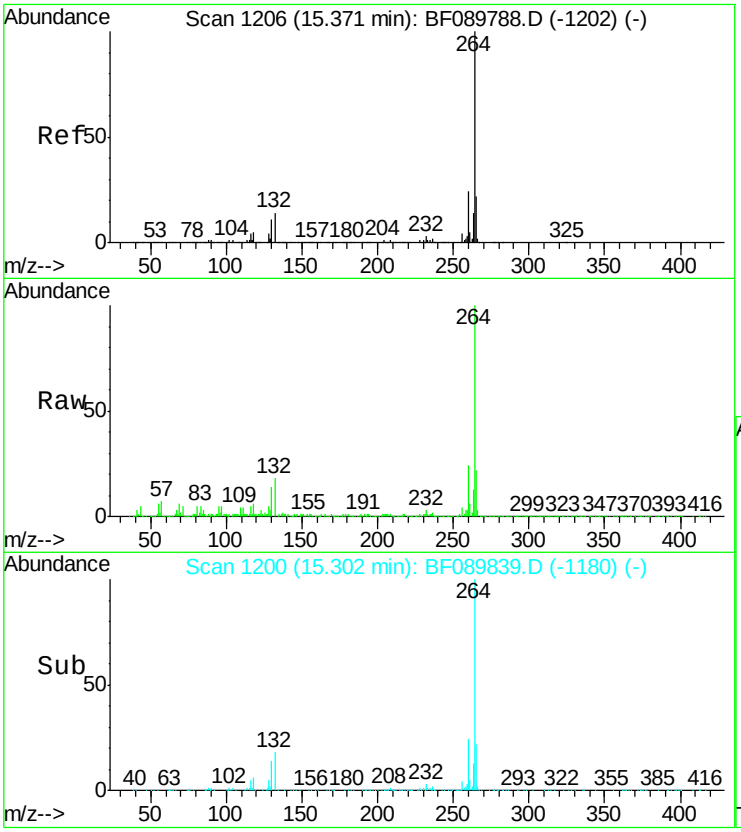


#78
Terphenyl-d14
Concen: 36.10 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:244 Resp: 2095056

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.3	9.5
122	7.5	12.0	18.0#

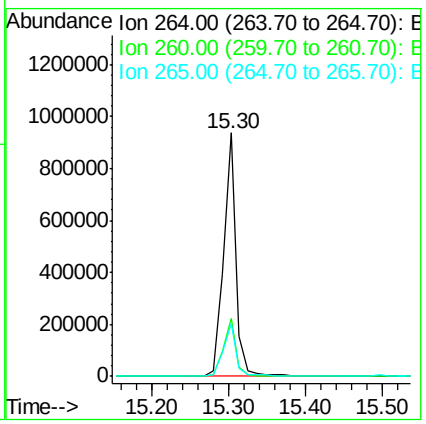




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.07 min
Lab File: BF089839.D
Acq: 23 Aug 2016 17:11

Tgt Ion:264 Resp: 1065710

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.2	30.2
265	21.6	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
D-12(1.5-2)

Manual Integrations APPROVED
UMANGI
8/25/2016 5:22:26 PM