Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

Quant Time: Jan 28 14:56:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 28 01:20:43 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	25200	20.00	ng	0.01
21) Naphthalene-d8	10.71	136	106377m	20.00	ng	0.02
38) Acenaphthene-d10	14.92	164	52813m	20.00	ng	0.10
63) Phenanthrene-d10	17.72	188	84082m	20.00	ng	0.08
75) Chrysene-d12	21.17	240	83821	20.00	ng	0.02
86) Perylene-d12	22.79	264	78396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.80	112	201136	131.23	ng	-0.02
7) Phenol-d6	7.20	99	251554	130.10	ng	-0.01
23) Nitrobenzene-d5	9.09	82	148635	77.41	ng	0.00
41) 2,4,6-Tribromophenol	16.63	330	55424m	129.28	ng	0.09
44) 2-Fluorobiphenyl	13.41	172	293453m	84.56	ng	0.07
78) Terphenyl-d14	19.92	244	304877	83.74	ng	0.05
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.48	142	913251m	244.17	ng	
51) Acenaphthene	15.00	154	209480m	67.94	ng	
57) Fluorene	16.16	166	516713m	135.78	ng	
70) Phenanthrene	17.76	178	1158571m	220.95	ng	
77) Pyrene	19.66	202	328589	57.20	ng	# 79

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

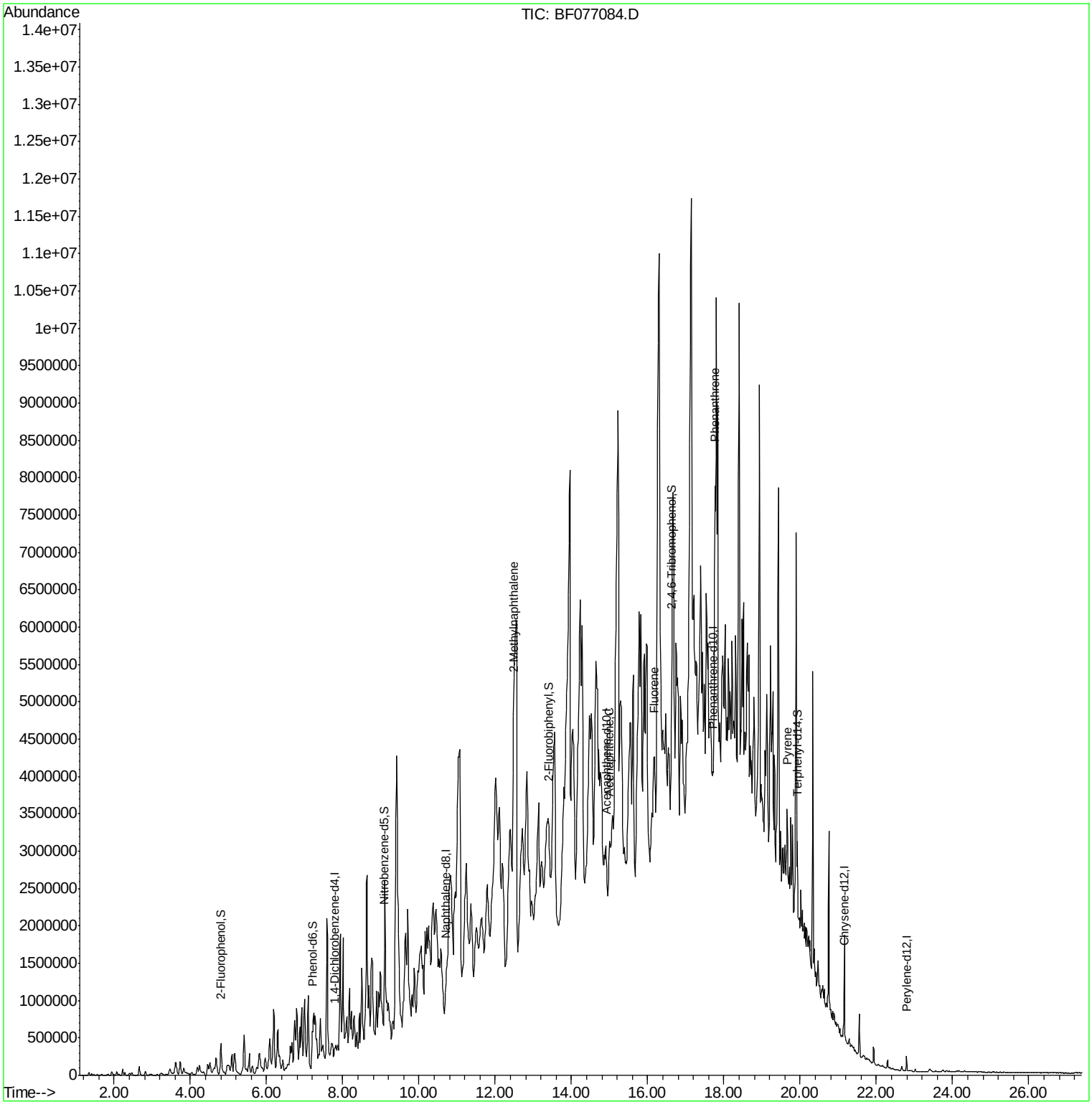
Quantitation Report (LSC Reviewed)

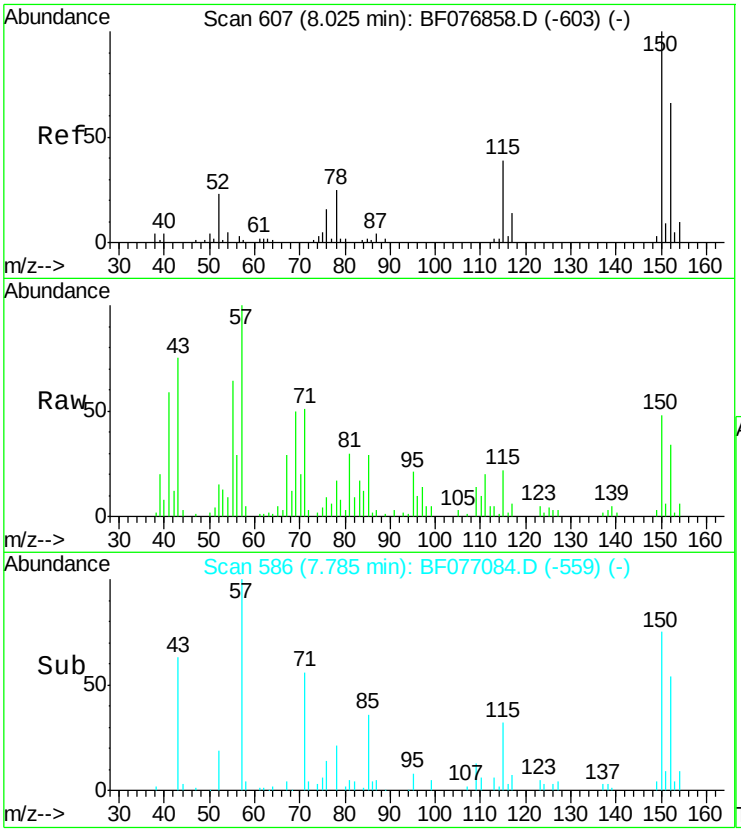
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077084.D
Acq On : 27 Jan 2015 11:09
Operator : TP/IZ
Sample : G1137-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 28 14:56:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 28 01:20:43 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

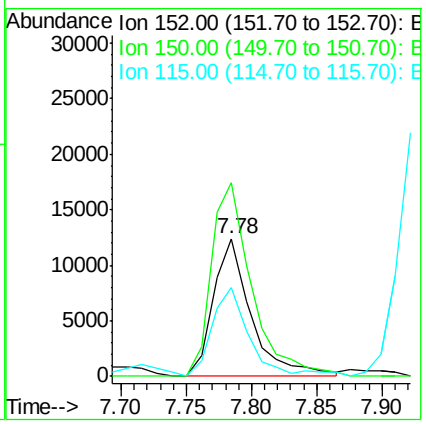




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 586
Delta R.T. 0.01 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

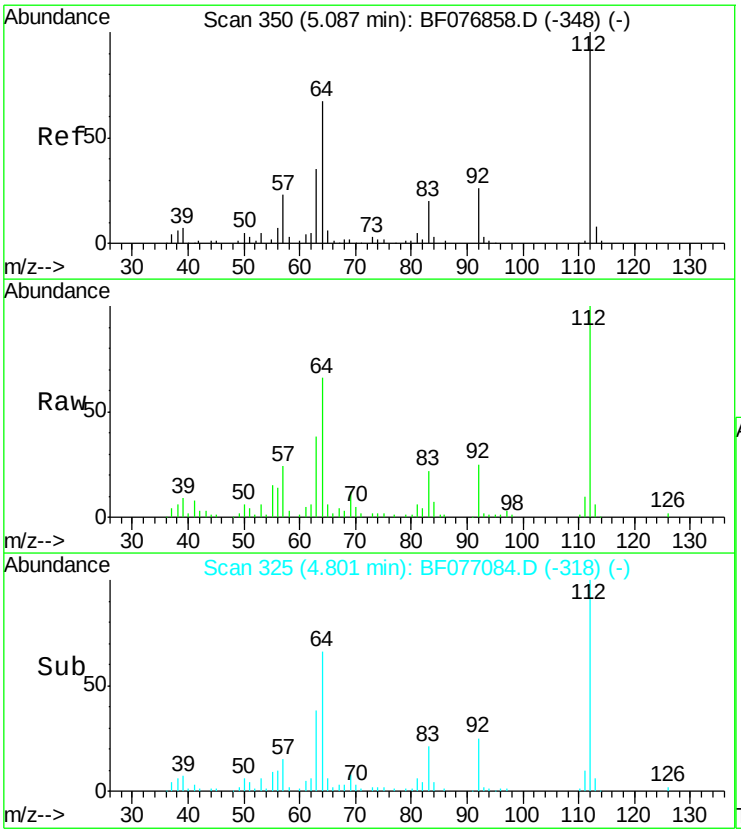
Tgt Ion:152 Resp: 25200

Ion	Ratio	Lower	Upper
152	100		
150	140.5	121.7	182.5
115	64.3	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
104B3

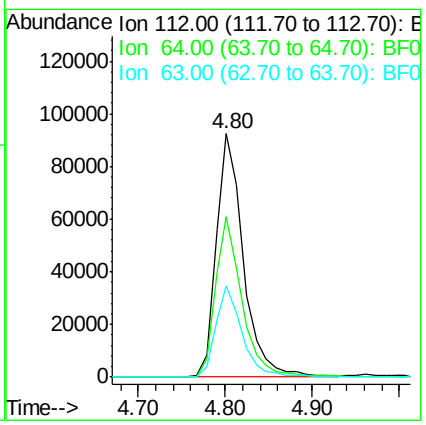
Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

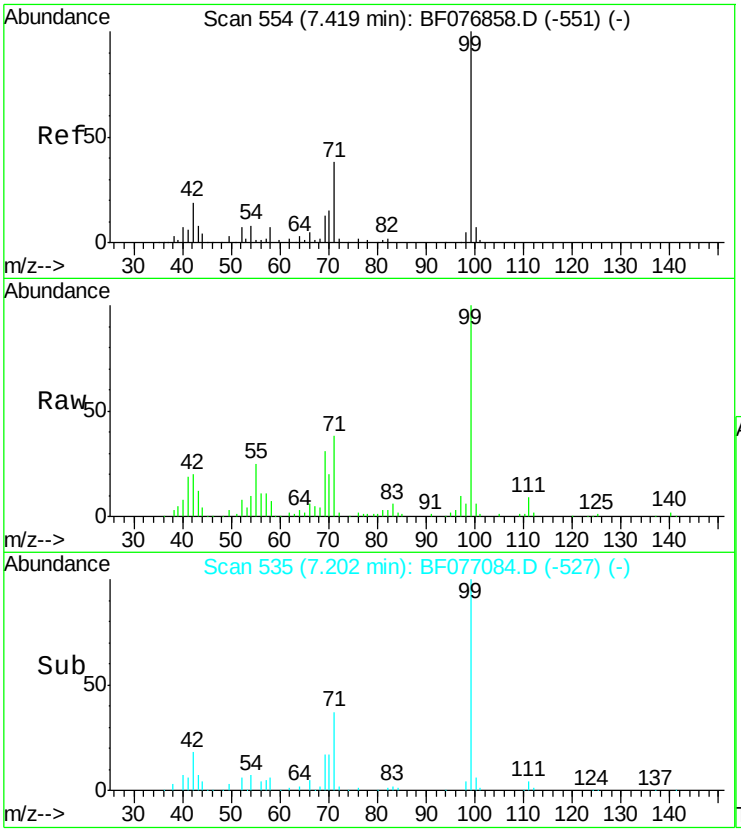


#5
2-Fluorophenol
Concen: 131.23 ng
RT: 4.80 min Scan# 325
Delta R.T. -0.02 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:112 Resp: 201136

Ion	Ratio	Lower	Upper
112	100		
64	66.1	54.2	81.4
63	37.5	28.4	42.6

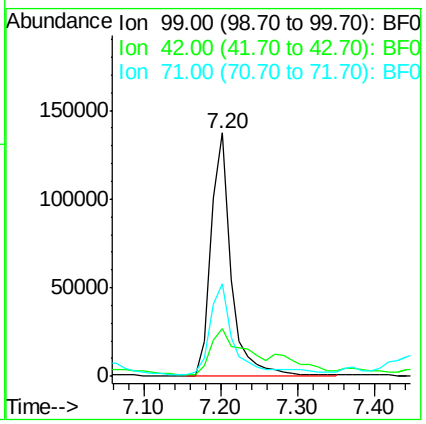




#7
Phenol-d6
Concen: 130.10 ng
RT: 7.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

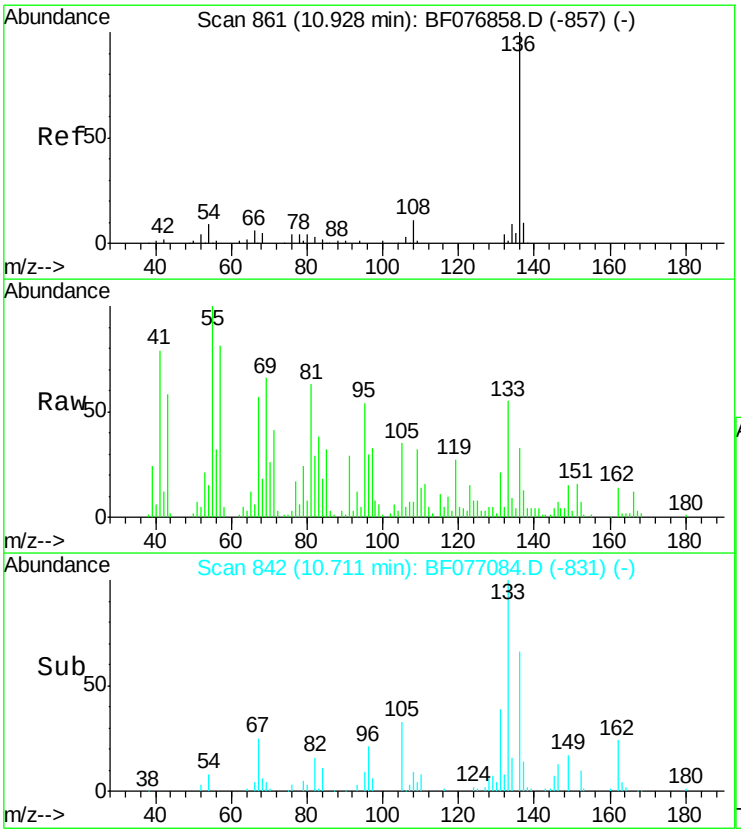
Tgt Ion: 99 Resp: 251554

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.0	22.4
71	38.0	30.5	45.7



Instrument :
BNA_F
ClientSampleId :
104B3

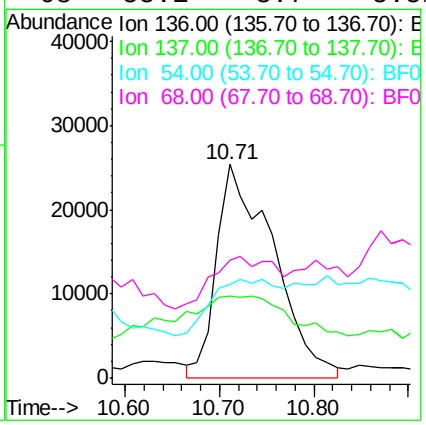
Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

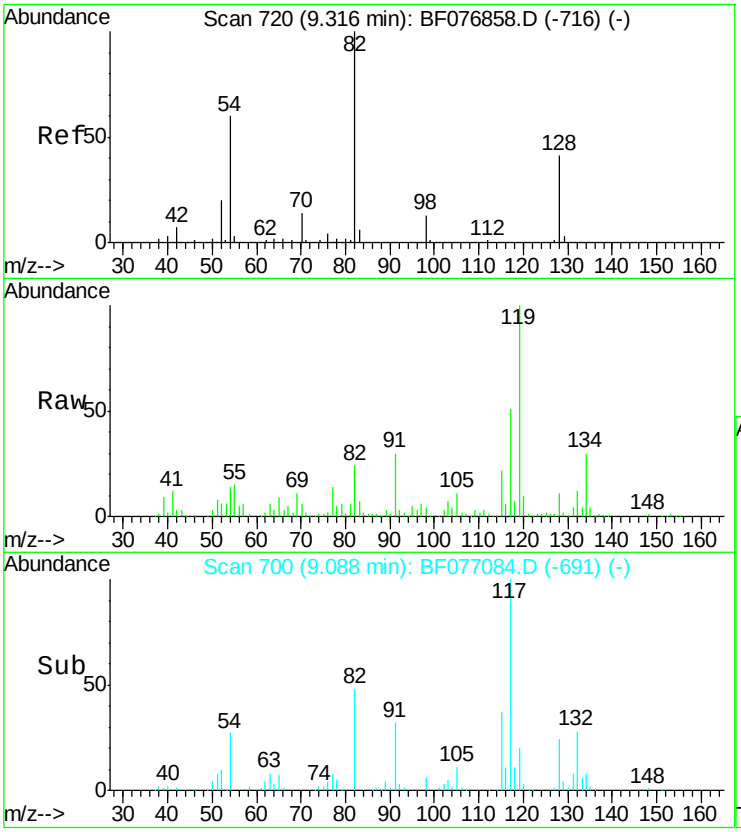


#21
Naphthalene-d8
Concen: 20.00 ng m
RT: 10.71 min Scan# 842
Delta R.T. 0.02 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:136 Resp: 106377

Ion	Ratio	Lower	Upper
136	100		
137	38.3	8.1	12.1#
54	43.7	7.0	10.4#
68	55.1	3.7	5.5#

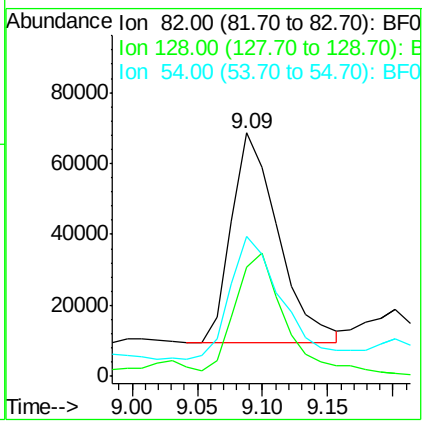




#23
Nitrobenzene-d5
Concen: 77.41 ng
RT: 9.09 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

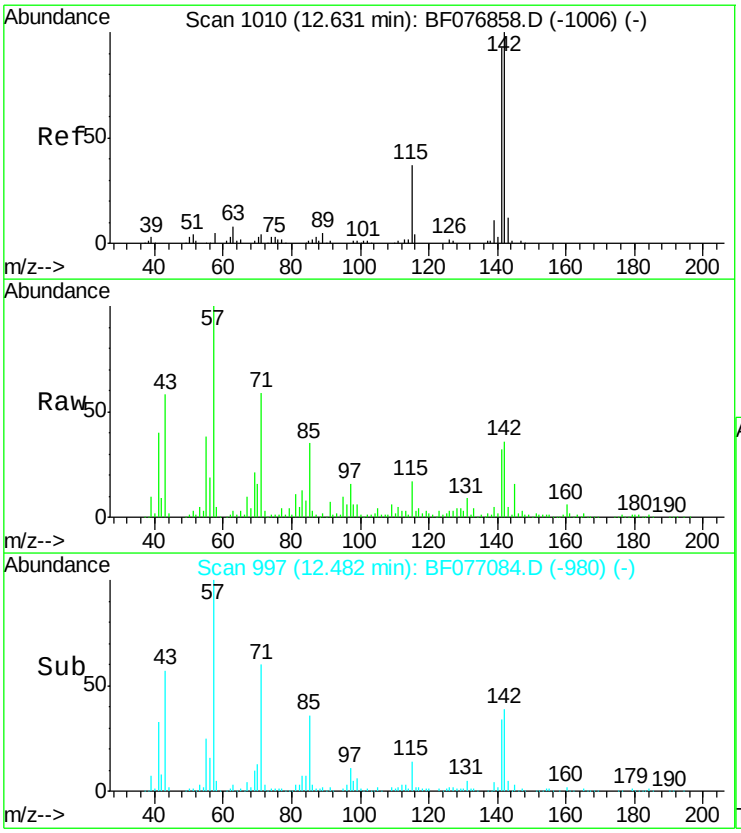
Tgt Ion: 82 Resp: 148635

Ion	Ratio	Lower	Upper
82	100		
128	44.8	33.1	49.7
54	57.5	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
104B3

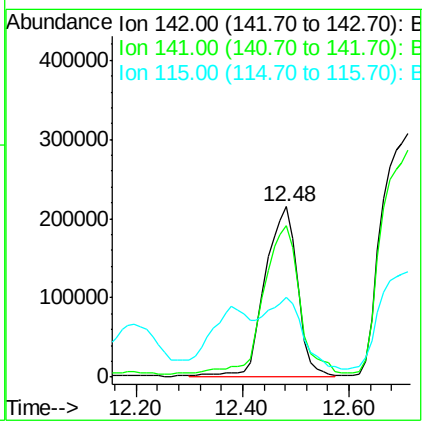
Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

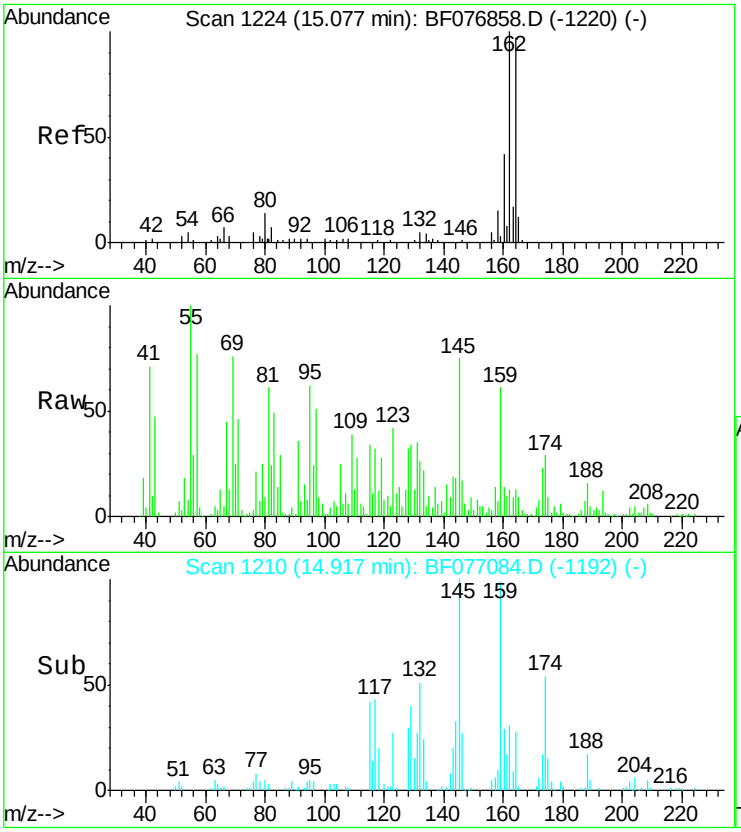


#37
2-Methylnaphthalene
Concen: 244.17 ng m
RT: 12.48 min Scan# 997
Delta R.T. 0.09 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:142 Resp: 913251

Ion	Ratio	Lower	Upper
142	100		
141	89.0	74.5	111.7
115	46.9	29.7	44.5#





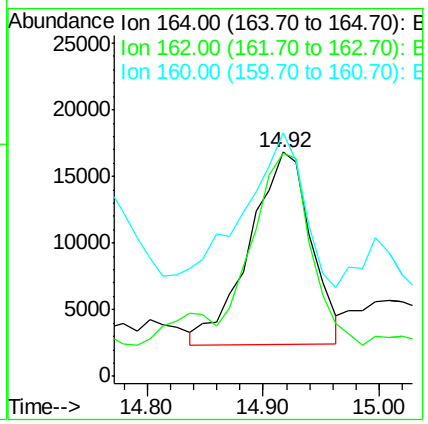
#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 14.92 min Scan# 1210
Delta R.T. 0.10 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

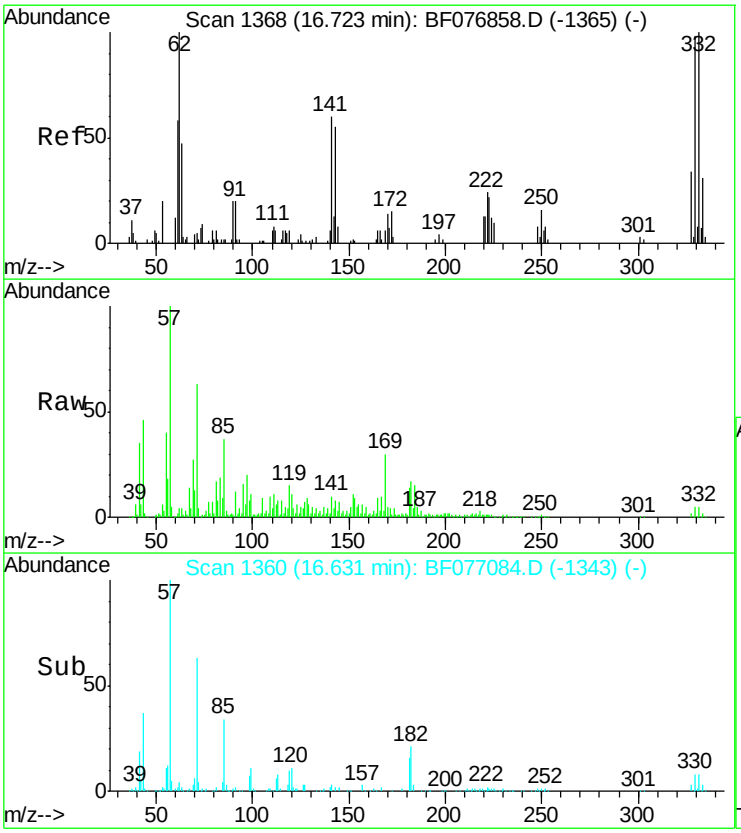
Tgt Ion:164 Resp: 52813

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.4	123.6
160	108.8	34.8	52.2#

Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

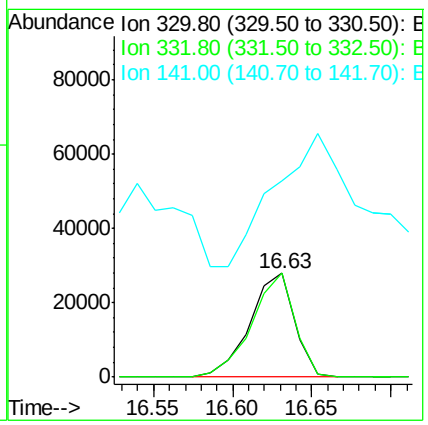


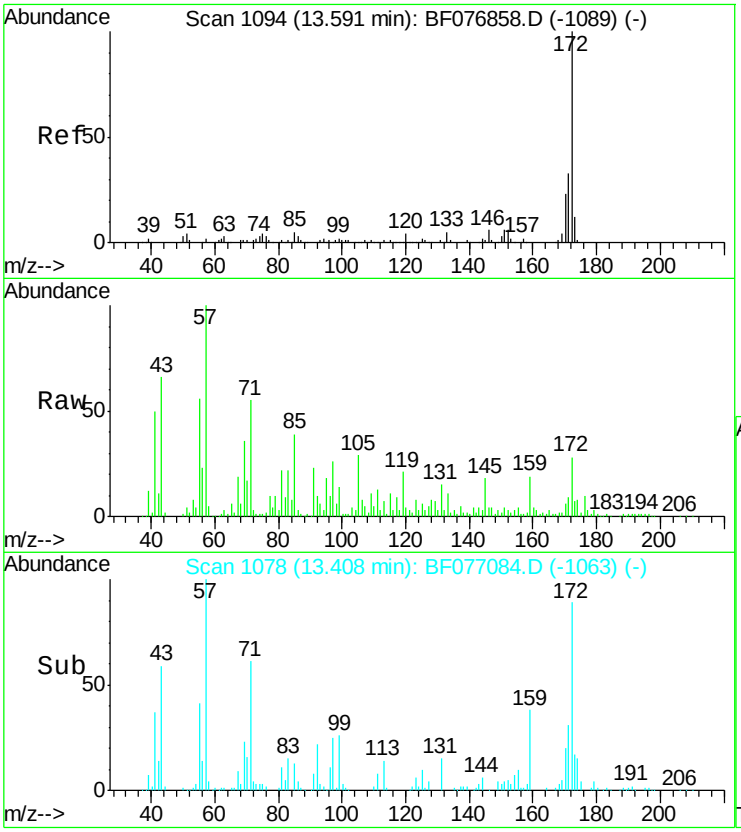


#41
2,4,6-Tribromophenol
Concen: 129.28 ng m
RT: 16.63 min Scan# 1360
Delta R.T. 0.09 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:330 Resp: 55424

Ion	Ratio	Lower	Upper
330	100		
332	0.0	77.8	116.6#
141	0.0	38.5	57.7#





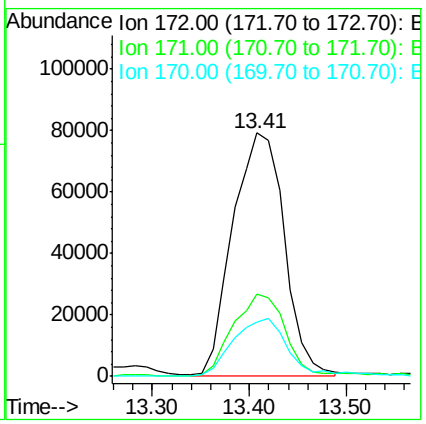
#44
2-Fluorobiphenyl
Concen: 84.56 ng m
RT: 13.41 min Scan# 1078
Delta R.T. 0.07 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

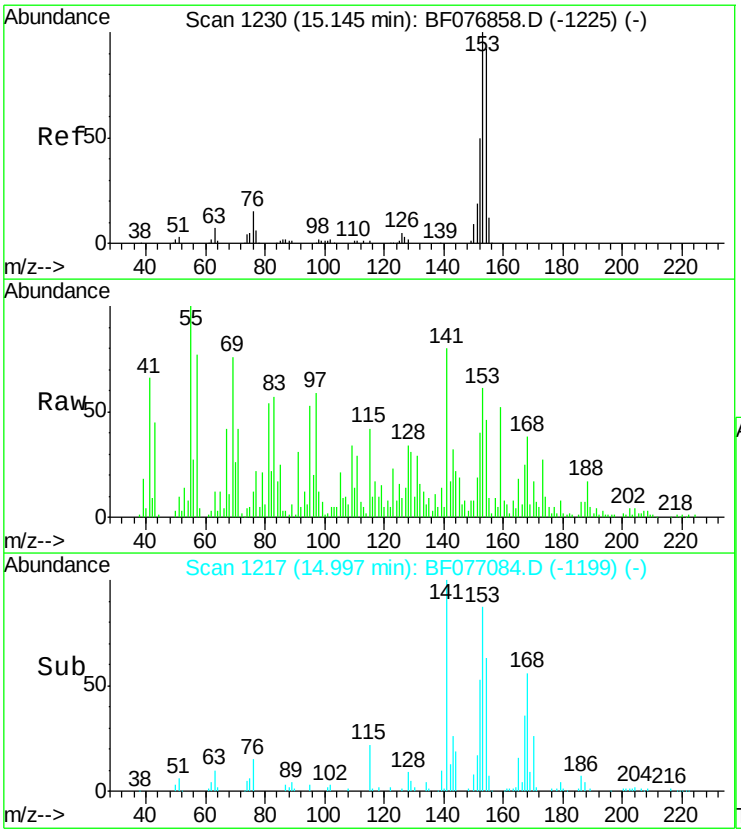
Tgt Ion:172 Resp: 293453

Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.6	40.0
170	22.2	18.0	27.0

Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

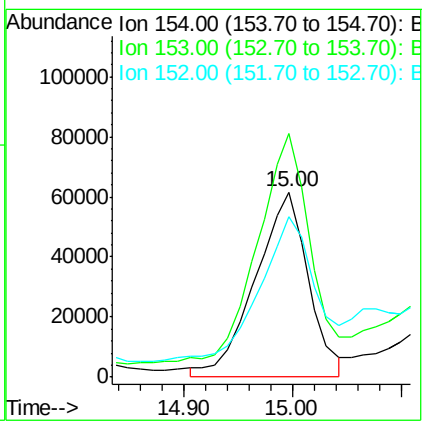


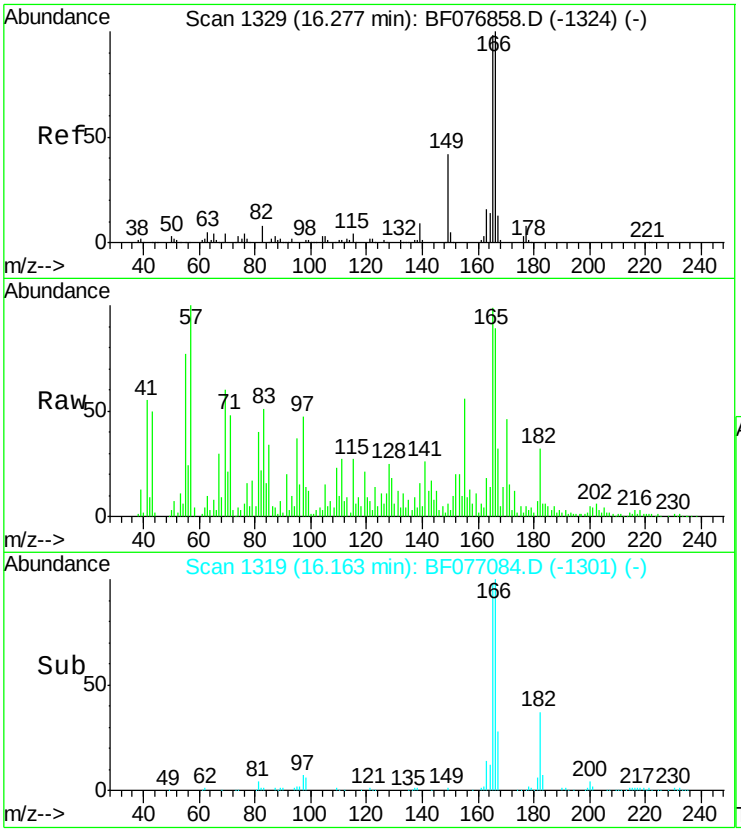


#51
Acenaphthene
Concen: 67.94 ng m
RT: 15.00 min Scan# 1217
Delta R.T. 0.10 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:154 Resp: 209480

Ion	Ratio	Lower	Upper
154	100		
153	131.4	87.0	130.6#
152	86.3	43.5	65.3#

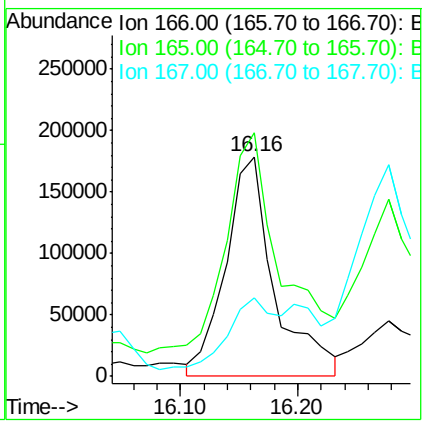




#57
Fluorene
Concen: 135.78 ng m
RT: 16.16 min Scan# 1319
Delta R.T. 0.10 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

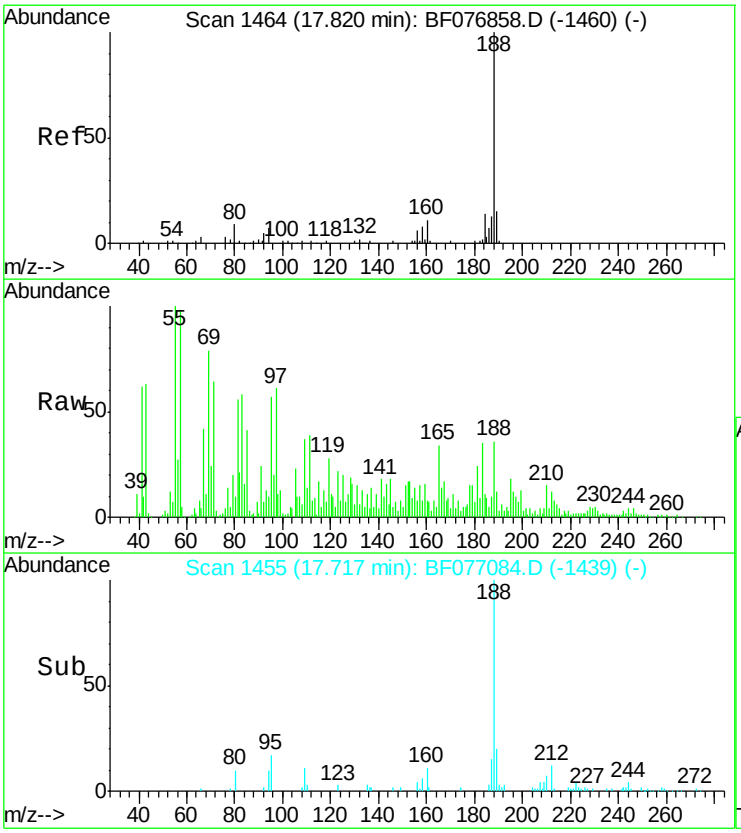
Tgt Ion:166 Resp: 516713

Ion	Ratio	Lower	Upper
166	100		
165	111.0	78.5	117.7
167	35.7	10.4	15.6#



Instrument :
BNA_F
ClientSampleId :
104B3

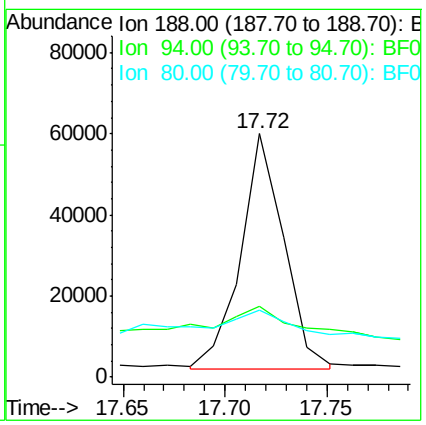
Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

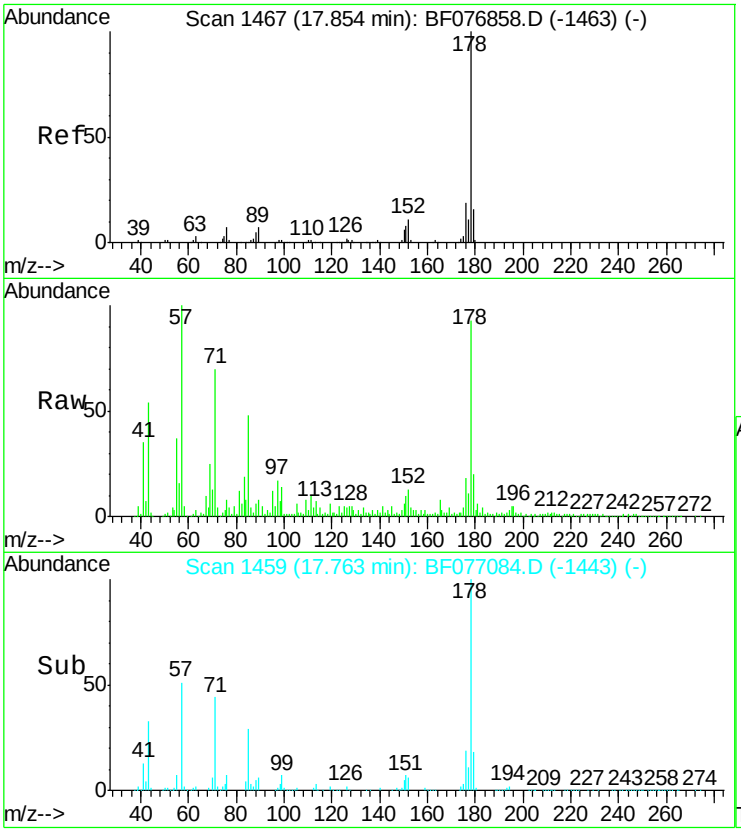


#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 17.72 min Scan# 1455
Delta R.T. 0.08 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:188 Resp: 84082

Ion	Ratio	Lower	Upper
188	100		
94	28.9	6.0	9.0#
80	27.8	6.9	10.3#





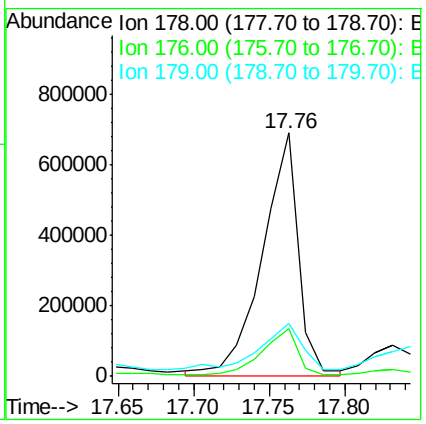
#70
Phenanthrene
Concen: 220.95 ng m
RT: 17.76 min Scan# 1459
Delta R.T. 0.08 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

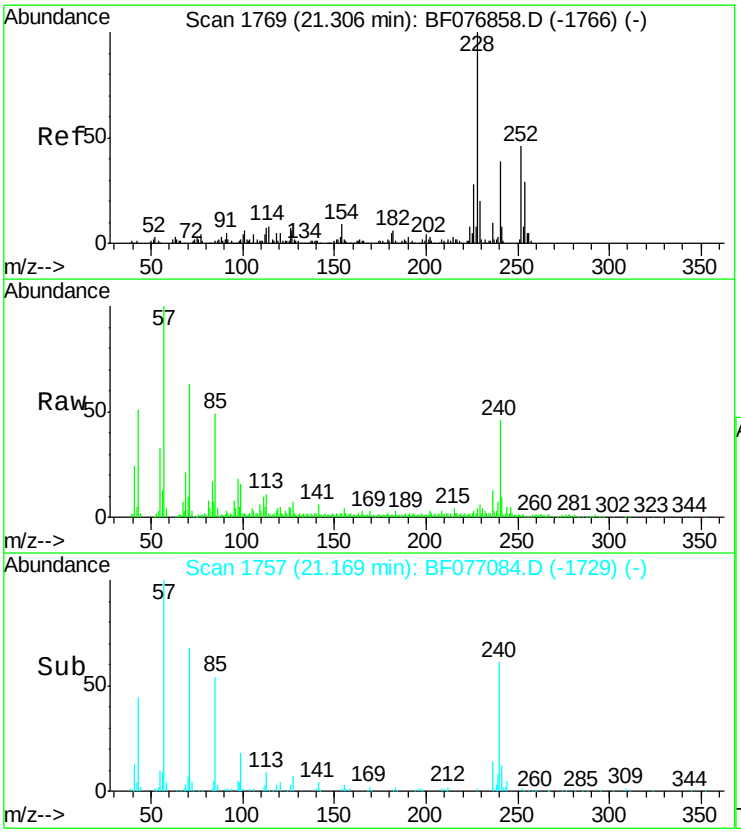
Tgt Ion:178 Resp: 1158571

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	21.8	12.7	19.1#

Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

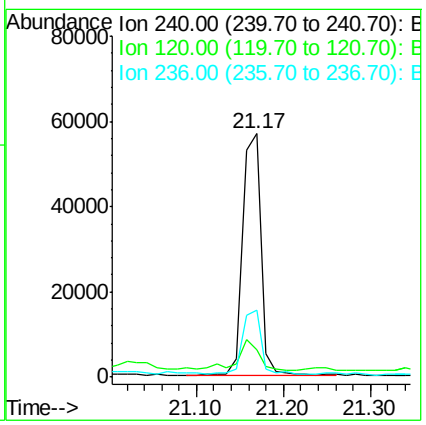


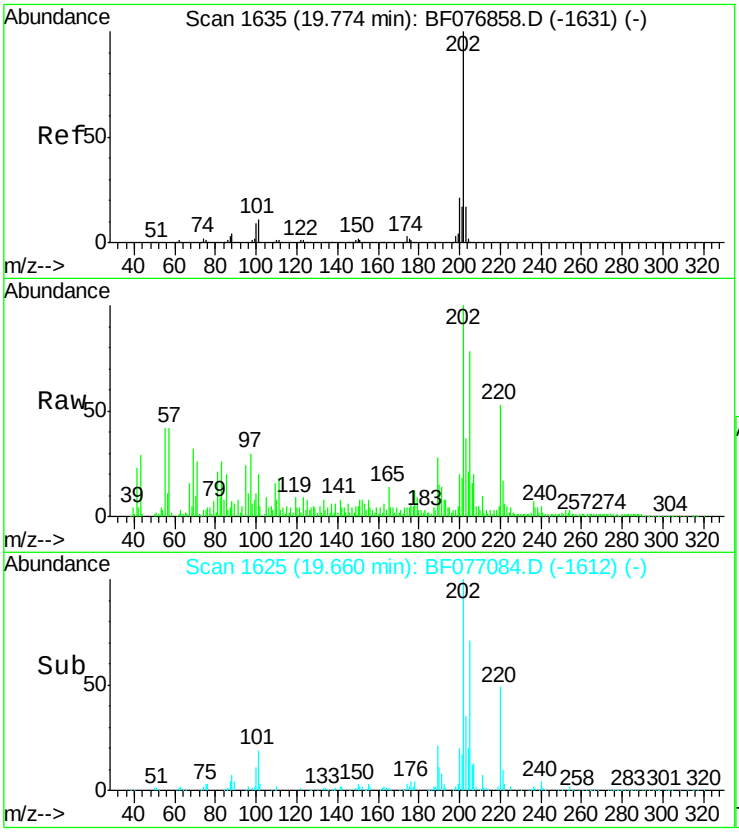


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.17 min Scan# 1757
Delta R.T. 0.02 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:240 Resp: 83821

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.4	15.6
236	27.4	20.2	30.2

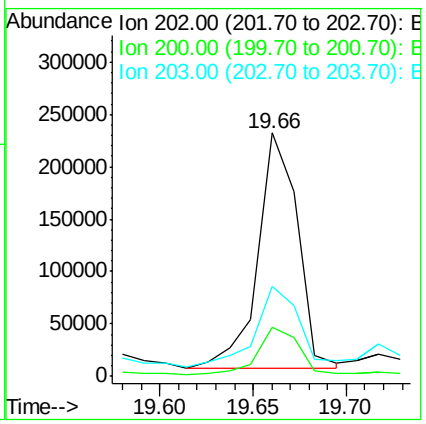




#77
Pyrene
Concen: 57.20 ng
RT: 19.66 min Scan# 1625
Delta R.T. 0.05 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

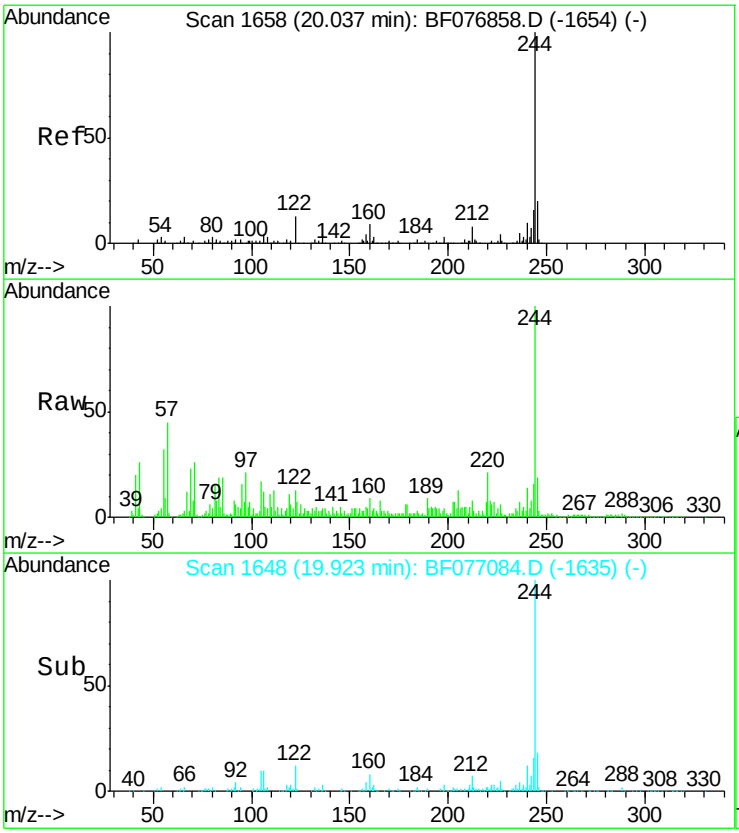
Tgt Ion:202 Resp: 328589

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.7	25.1
203	37.0	14.0	21.0#



Instrument :
BNA_F
ClientSampleId :
104B3

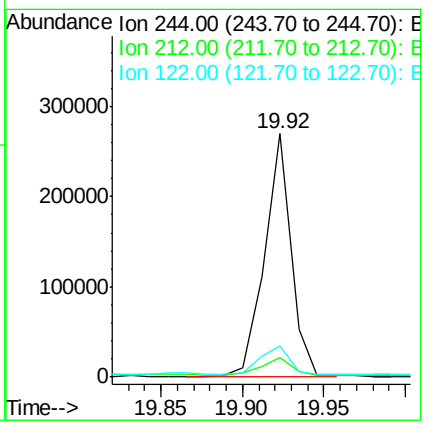
Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM

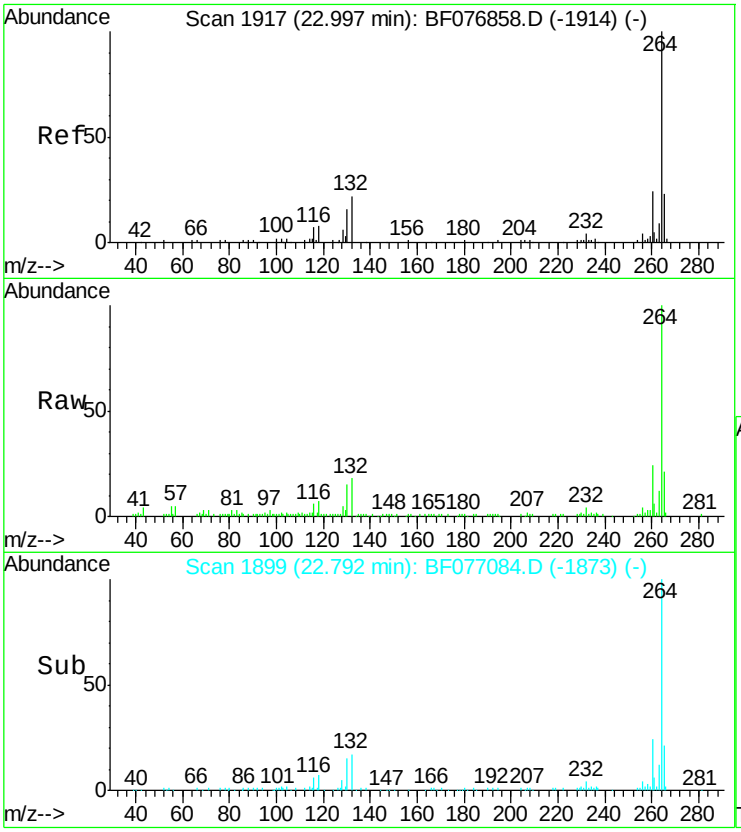


#78
Terphenyl-d14
Concen: 83.74 ng
RT: 19.92 min Scan# 1648
Delta R.T. 0.05 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:244 Resp: 304877

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	12.8	10.1	15.1

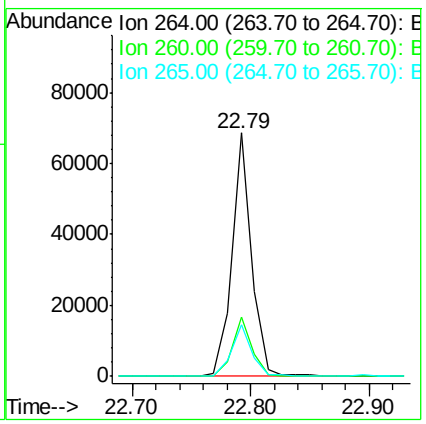




#86
Perylene-d12
Concen: 20.00 ng
RT: 22.79 min Scan# 1899
Delta R.T. -0.00 min
Lab File: BF077084.D
Acq: 27 Jan 2015 11:09

Tgt Ion:264 Resp: 78396

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.0	18.1	27.1



Instrument :
BNA_F
ClientSampleId :
104B3

Manual Integrations APPROVED
apatel
1/28/2015 5:43:02 PM