Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041515\
Data File : BF078560.D
Acq On : 16 Apr 2015 3:07
Operator : TP/IZ
Sample : G1854-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB101

Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

Quant Time: Apr 16 05:08:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 01:25:24 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	32907	20.00	ng		0.00
21) Naphthalene-d8	8.30	136	131238	20.00	ng		0.00
38) Acenaphthene-d10	10.46	164	68106	20.00	ng		0.01
63) Phenanthrene-d10	12.29	188	119533	20.00	ng		0.01
75) Chrysene-d12	15.54	240	122997	20.00	ng		0.01
86) Perylene-d12	17.21	264	119157	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	4.95	112	23597	11.82	ng		0.01
7) Phenol-d6	6.33	99	29655	11.86	ng		0.02
23) Nitrobenzene-d5	7.42	82	22416	10.35	ng		0.00
41) 2,4,6-Tribromophenol	11.44	330	6893	12.20	ng		0.01
44) 2-Fluorobiphenyl	9.64	172	35341	7.42	ng		0.00
78) Terphenyl-d14	14.27	244	44141	8.11	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	8.32	128	49381	7.23	ng	#	96
37) 2-Methylnaphthalene	9.19	142	174020	37.52	ng		97
51) Acenaphthene	10.50	154	35390	8.88	ng	#	88
57) Fluorene	11.13	166	94008	19.05	ng	#	92
70) Phenanthrene	12.31	178	287285	41.55	ng		97
74) Fluoranthene	13.77	202	120769	16.56	ng		97
77) Pyrene	14.05	202	146012	18.91	ng	#	90
80) Benzo(a)anthracene	15.52	228	59065	8.07	ng	#	87
82) Chrysene	15.57	228	49951	7.26	ng	#	93
85) Indeno(1,2,3-cd)pyrene	18.41	276	41994m	5.38	ng		
87) Benzo(b)fluoranthene	16.79	252	77467	10.52	ng	#	58
88) Benzo(k)fluoranthene	16.82	252	20182m	3.08	ng		
89) Benzo(a)pyrene	17.15	252	52202	8.12	ng	#	54
91) Benzo(g,h,i)perylene	18.74	276	41091	6.37	ng	#	91

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

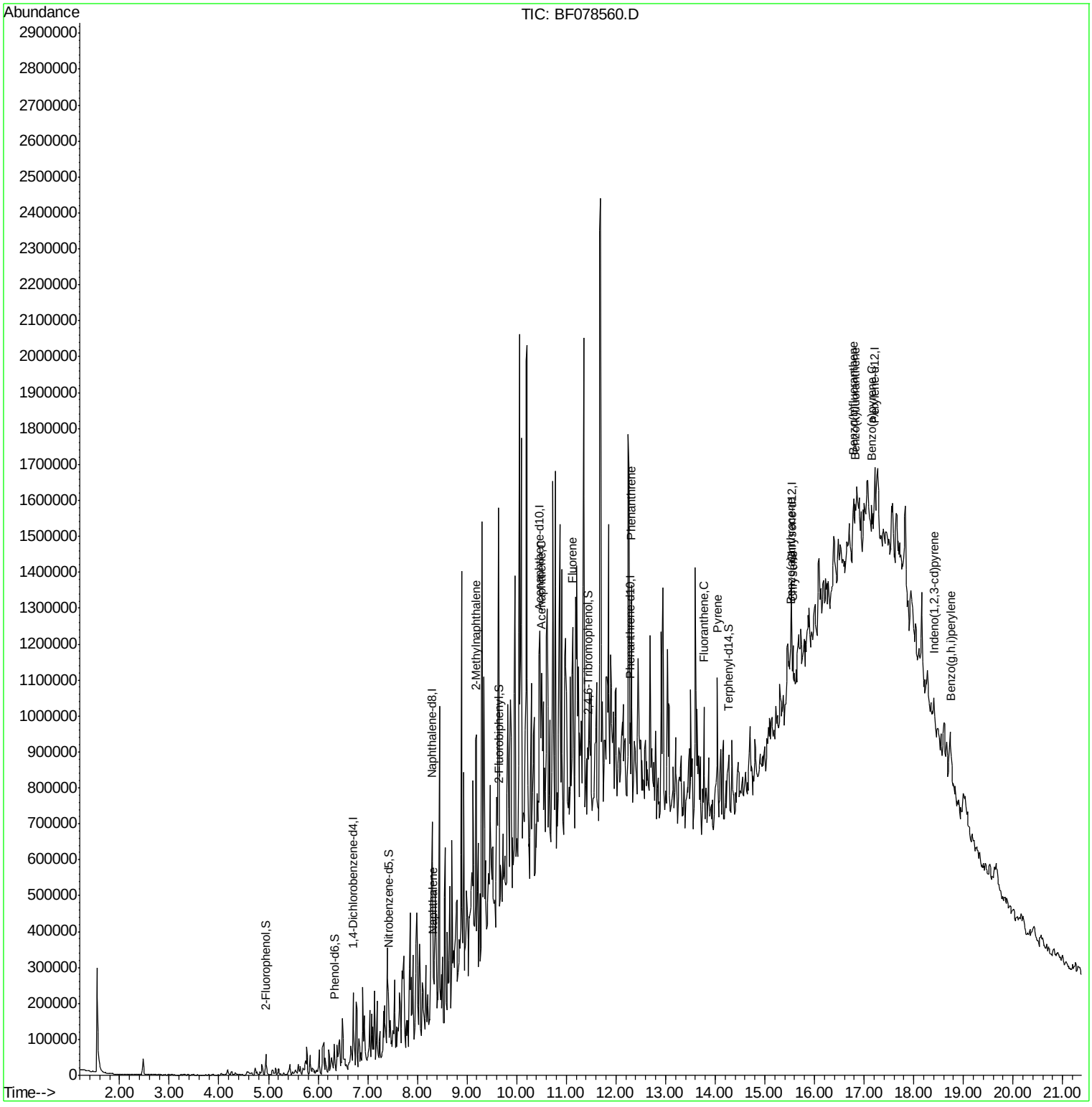
Quantitation Report (LSC Reviewed)

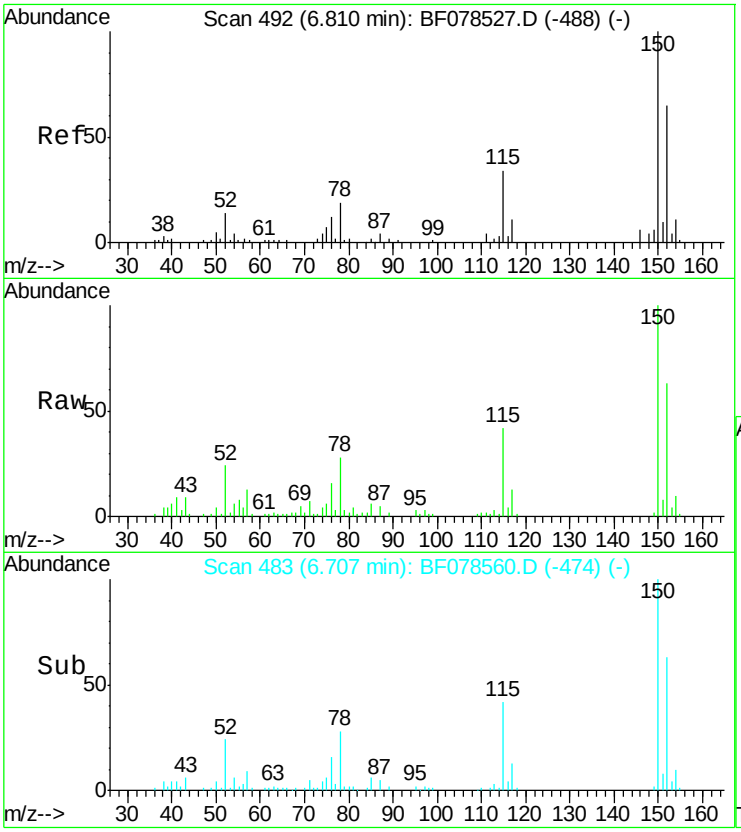
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041515\
Data File : BF078560.D
Acq On : 16 Apr 2015 3:07
Operator : TP/IZ
Sample : G1854-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 16 05:08:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 01:25:24 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LS-SB101

Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

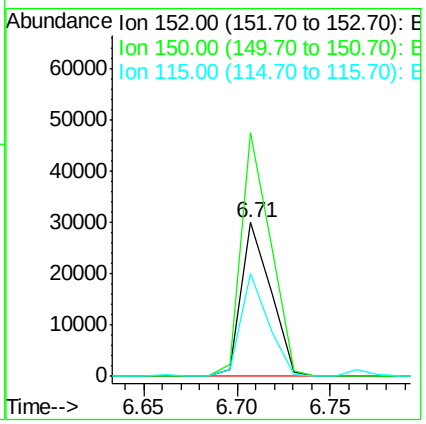




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 483
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

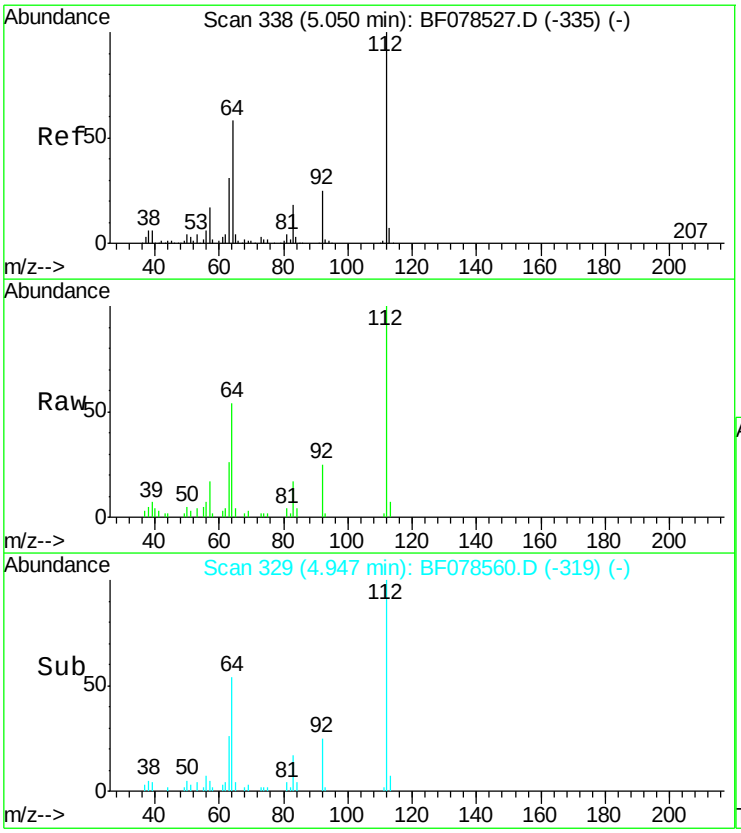
Tgt Ion:152 Resp: 32907

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	67.1	52.7	79.1



Instrument :
BNA_F
ClientSampleId :
LS-SB101

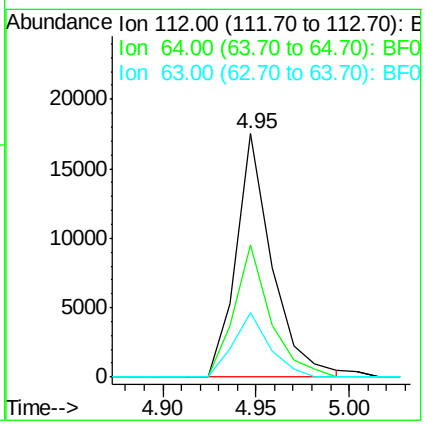
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

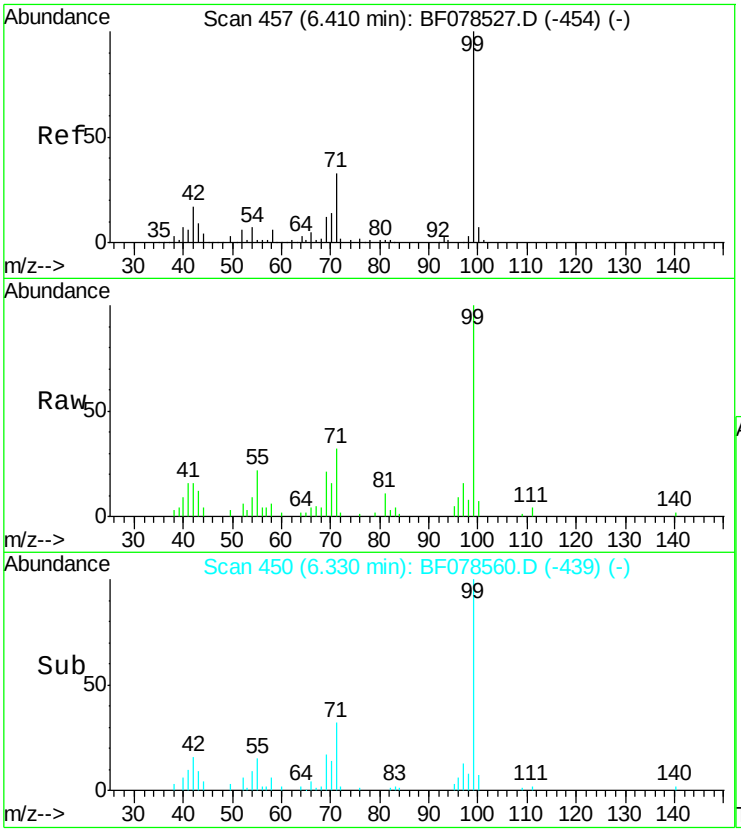


#5
2-Fluorophenol
Concen: 11.82 ng
RT: 4.95 min Scan# 329
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:112 Resp: 23597

Ion	Ratio	Lower	Upper
112	100		
64	54.1	39.9	59.9
63	26.4	20.2	30.4

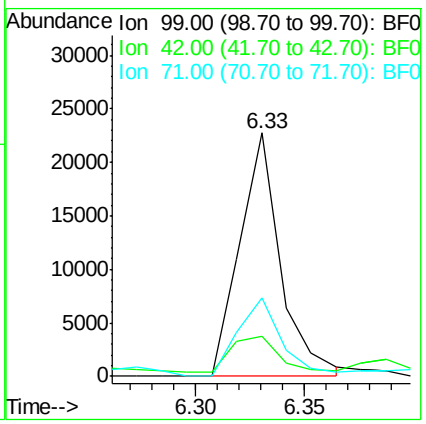




#7
Phenol-d6
Concen: 11.86 ng
RT: 6.33 min Scan# 450
Delta R.T. 0.02 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

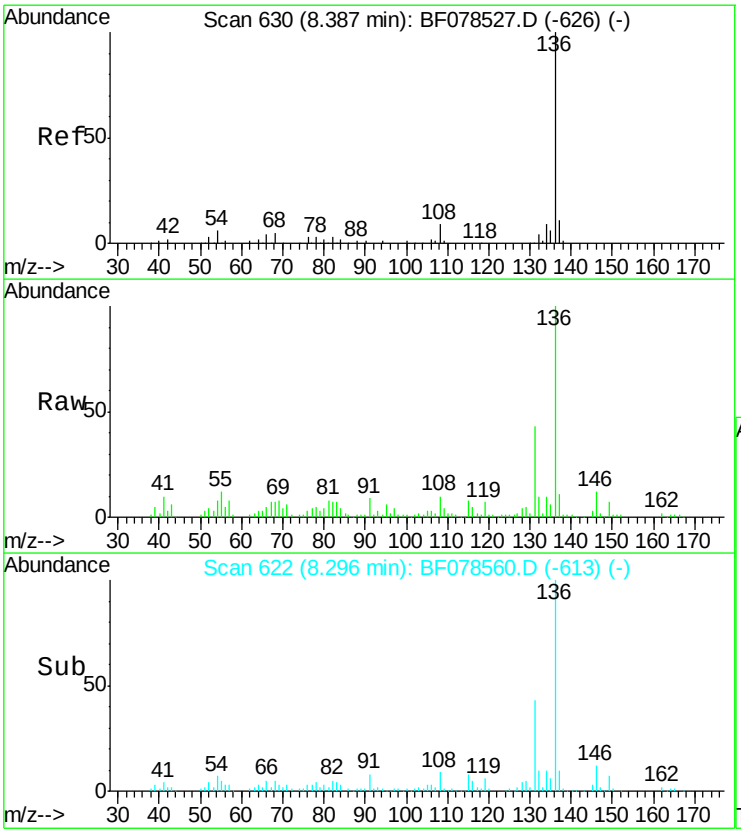
Tgt Ion: 99 Resp: 29655

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.8	22.2
71	32.1	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
LS-SB101

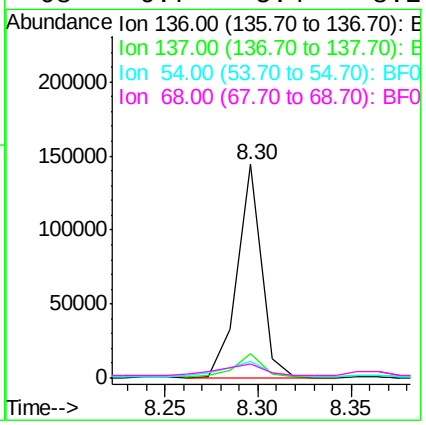
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

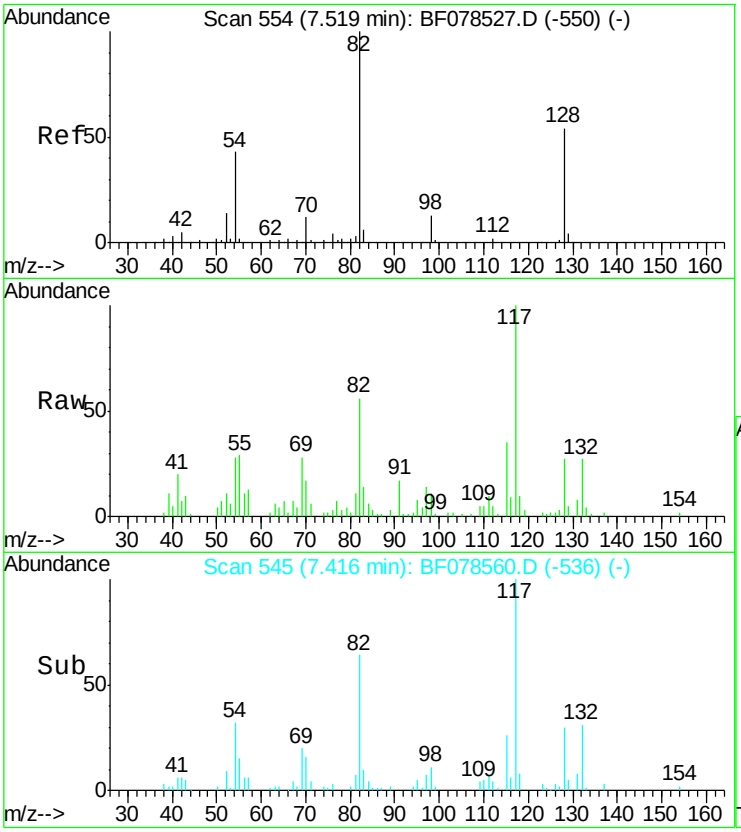


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.30 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:136 Resp: 131238

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.7	7.0	10.6
68	6.7	5.4	8.2

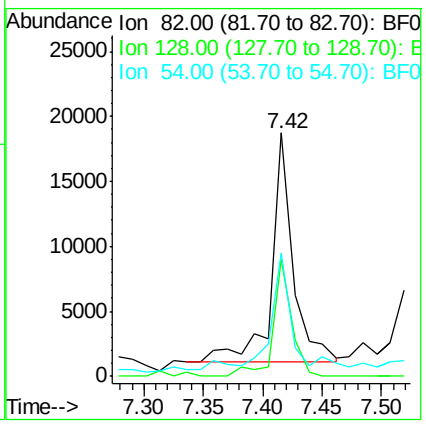




#23
Nitrobenzene-d5
Concen: 10.35 ng
RT: 7.42 min Scan# 545
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

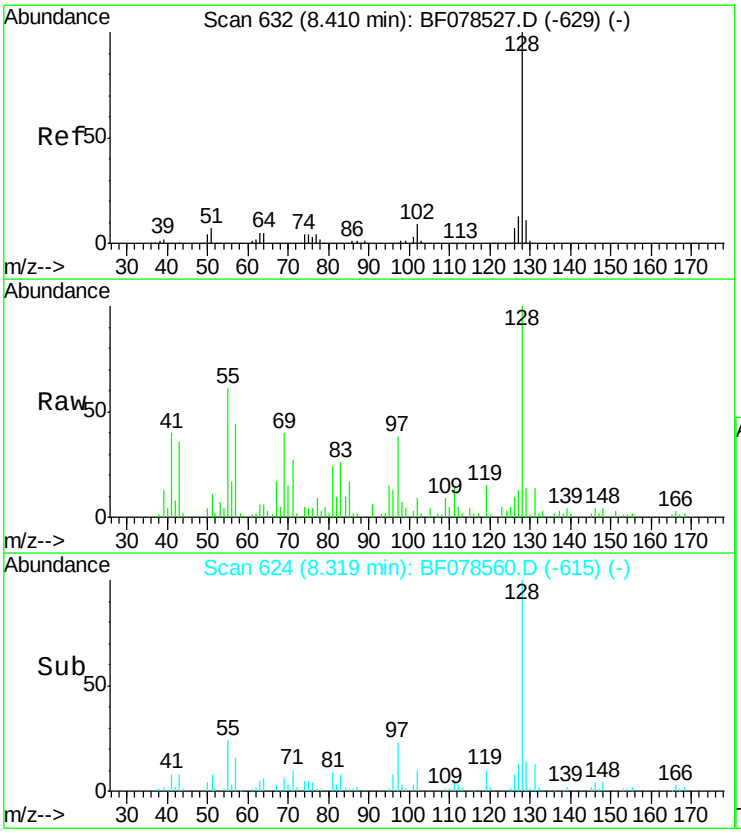
Tgt Ion: 82 Resp: 22416

Ion	Ratio	Lower	Upper
82	100		
128	47.9	31.8	47.8#
54	50.4	41.5	62.3



Instrument :
BNA_F
ClientSampleId :
LS-SB101

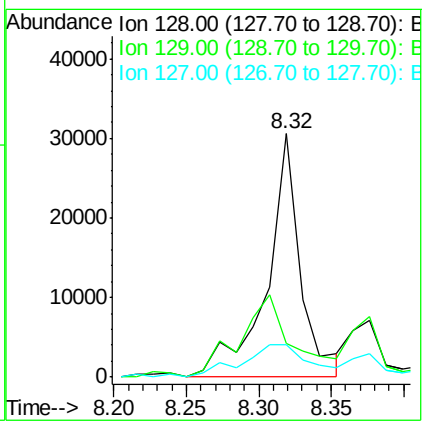
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

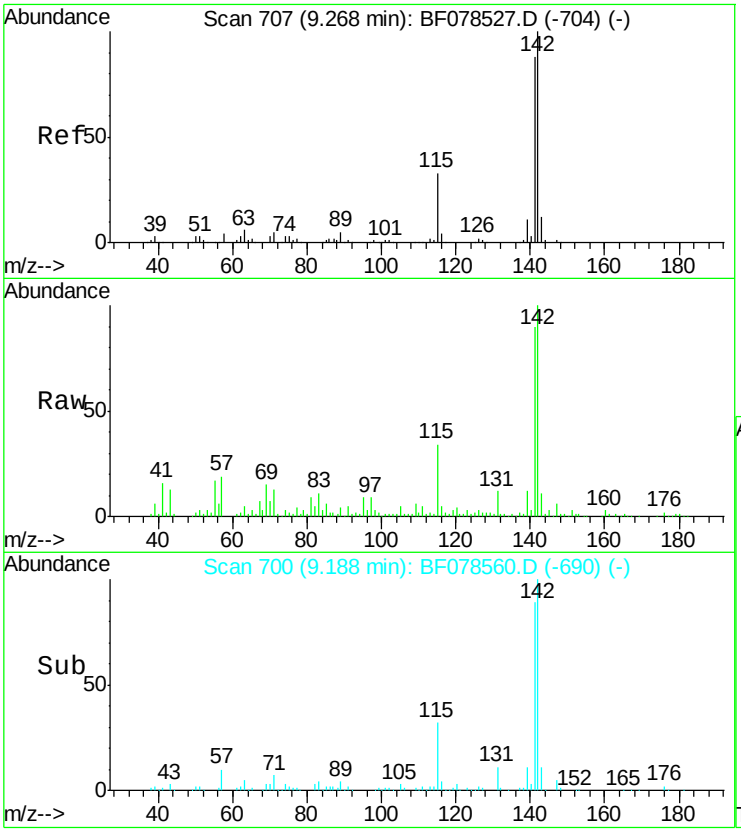


#31
Naphthalene
Concen: 7.23 ng
RT: 8.32 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:128 Resp: 49381

Ion	Ratio	Lower	Upper
128	100		
129	13.8	8.6	12.8#
127	13.4	10.7	16.1

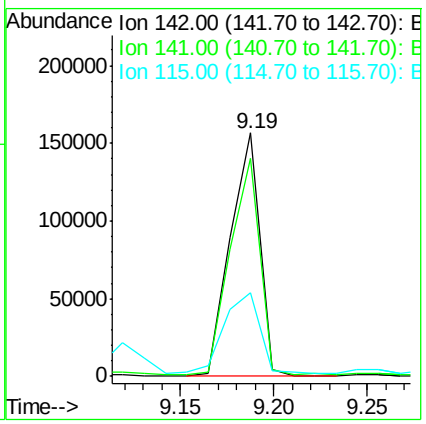




#37
2-Methylnaphthalene
Concen: 37.52 ng
RT: 9.19 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

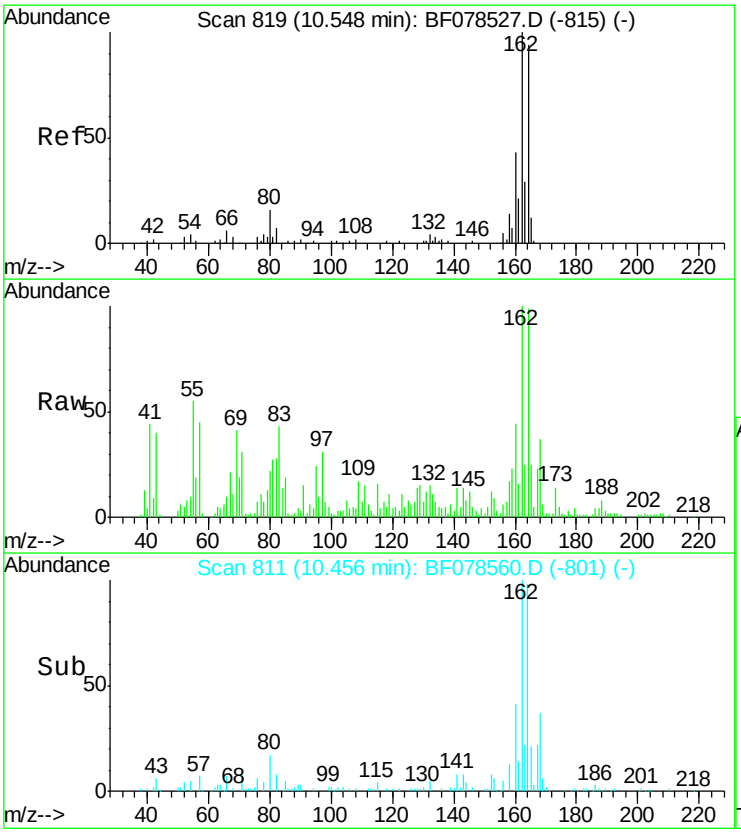
Tgt Ion:142 Resp: 174020

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	34.1	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
LS-SB101

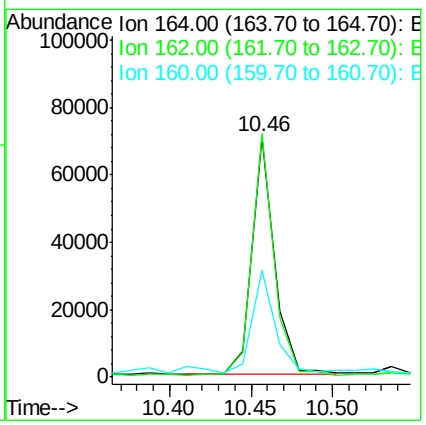
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

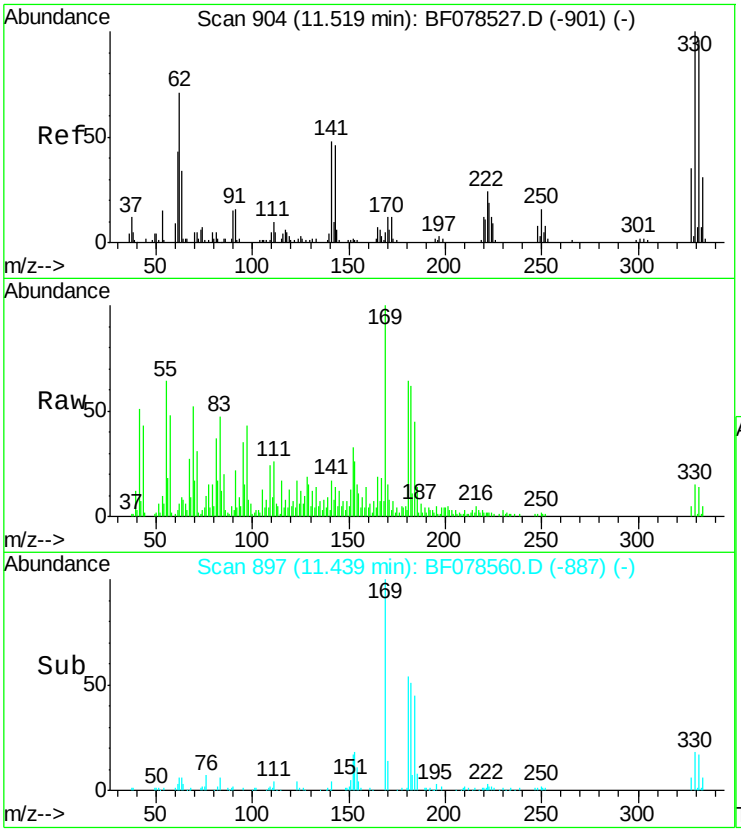


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:164 Resp: 68106

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	44.6	34.7	52.1

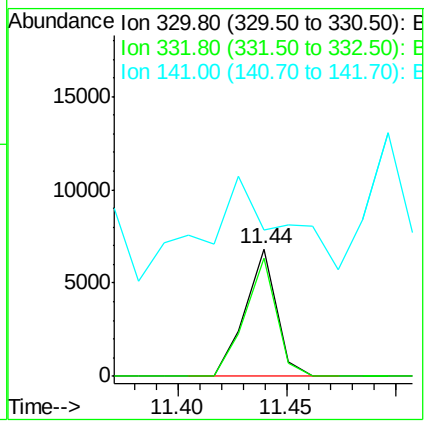




#41
2,4,6-Tribromophenol
Concen: 12.20 ng
RT: 11.44 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

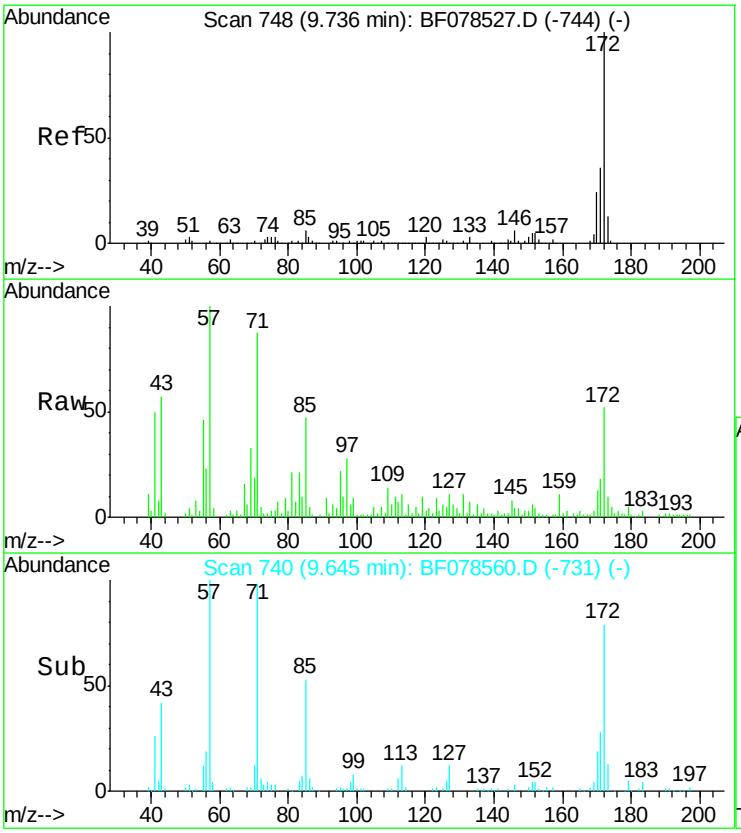
Tgt Ion:330 Resp: 6893

Ion	Ratio	Lower	Upper
330	100		
332	93.1	78.6	117.8
141	214.0	31.2	46.8#



Instrument :
BNA_F
ClientSampleId :
LS-SB101

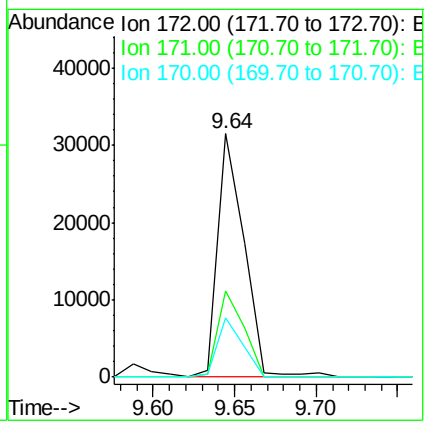
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

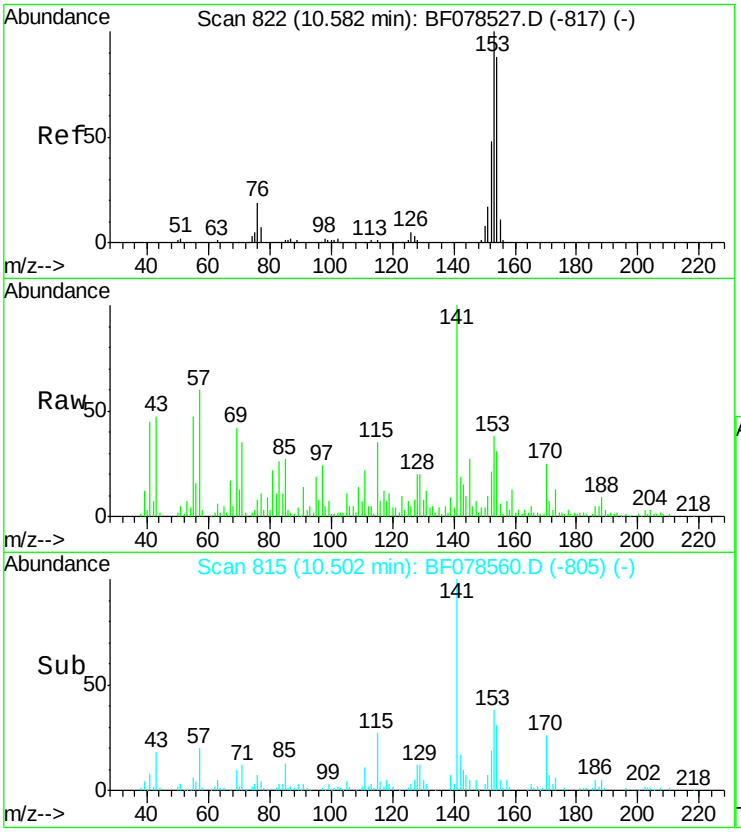


#44
2-Fluorobiphenyl
Concen: 7.42 ng
RT: 9.64 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:172 Resp: 35341

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	24.3	18.5	27.7

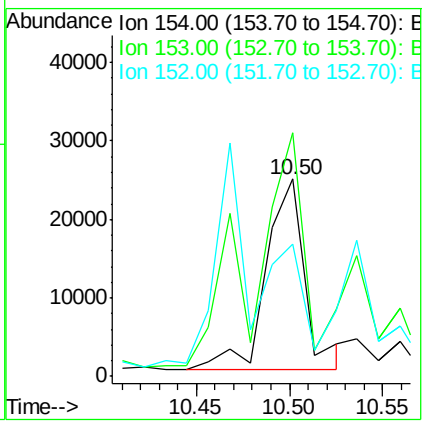




#51
Acenaphthene
Concen: 8.88 ng
RT: 10.50 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

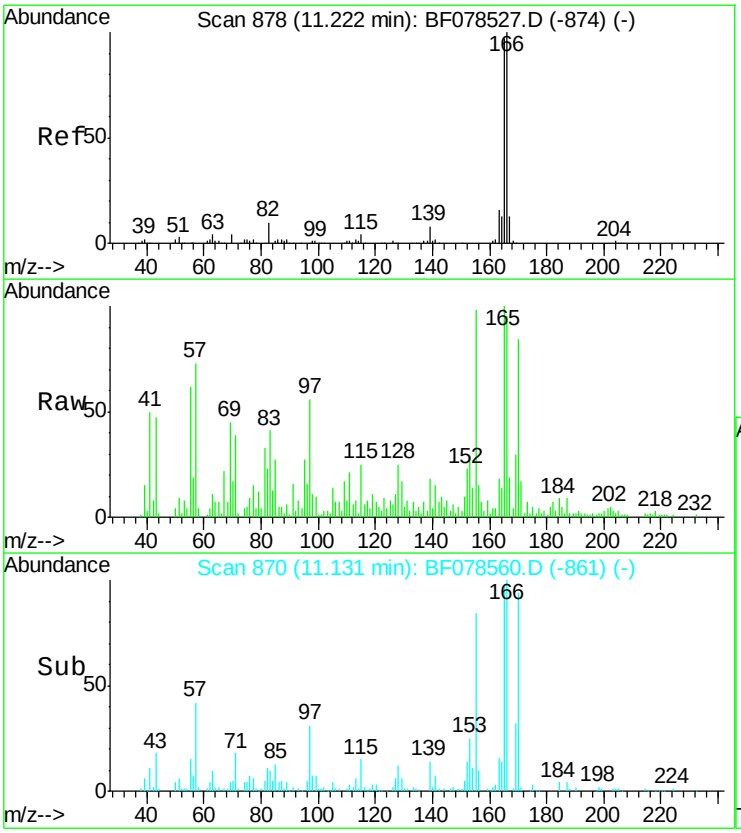
Tgt Ion:154 Resp: 35390

Ion	Ratio	Lower	Upper
154	100		
153	123.6	91.4	137.2
152	67.1	43.0	64.6#



Instrument :
BNA_F
ClientSampleId :
LS-SB101

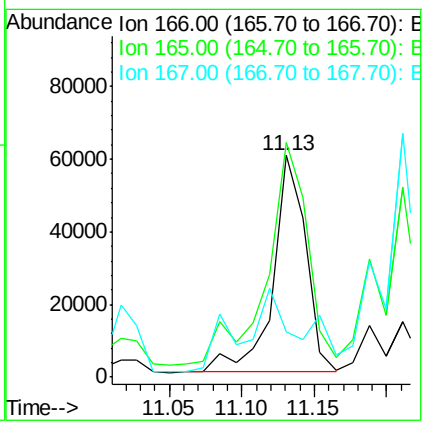
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

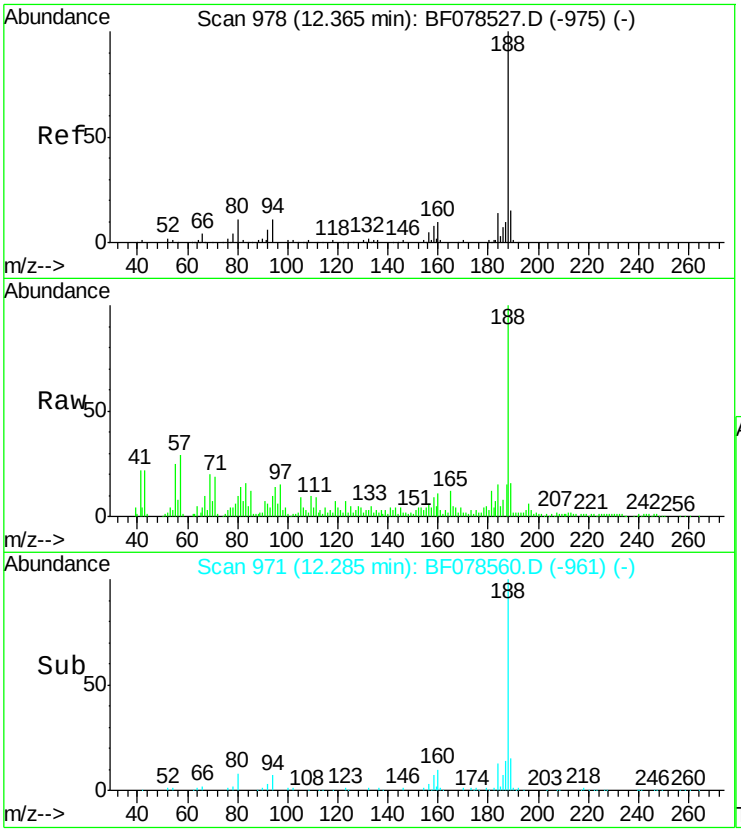


#57
Fluorene
Concen: 19.05 ng
RT: 11.13 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:166 Resp: 94008

Ion	Ratio	Lower	Upper
166	100		
165	105.8	78.9	118.3
167	20.3	10.7	16.1#

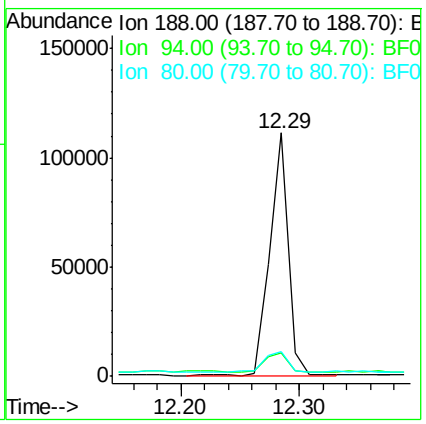




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.29 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

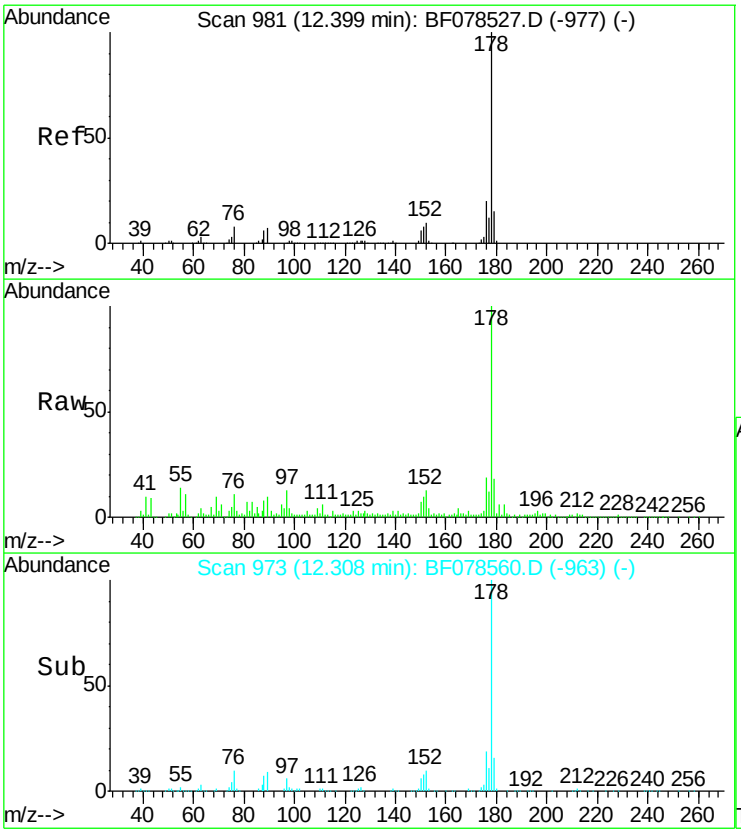
Tgt Ion:188 Resp: 119533

Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.4
80	9.9	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
LS-SB101

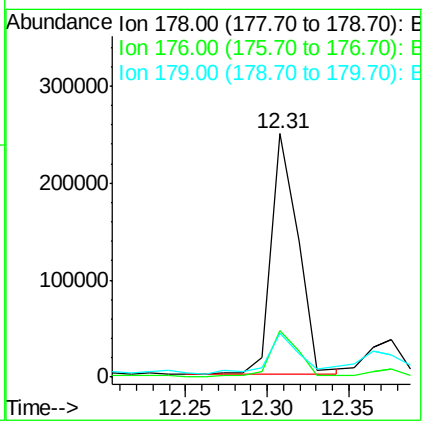
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

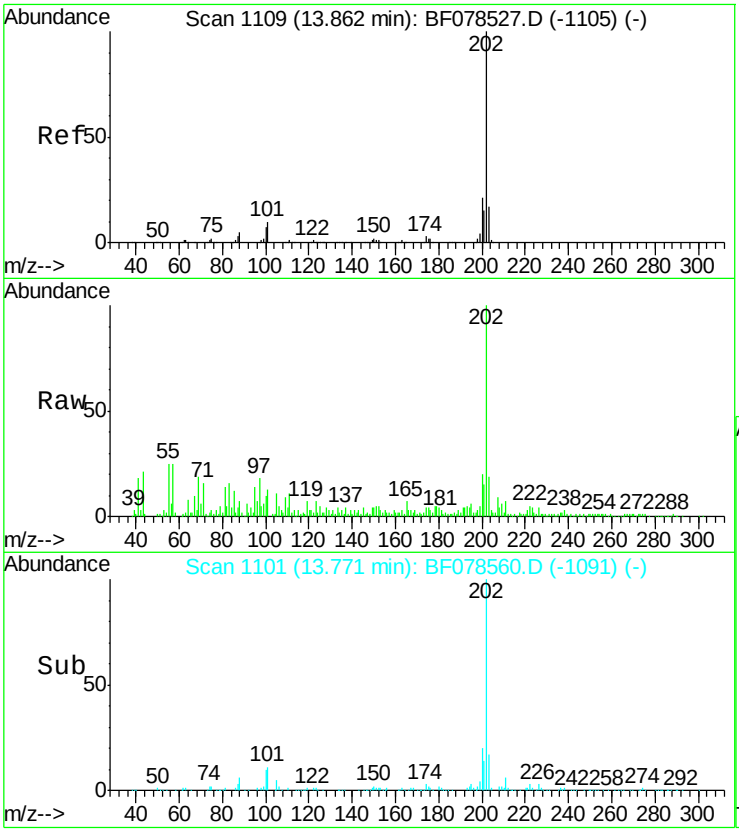


#70
Phenanthrene
Concen: 41.55 ng
RT: 12.31 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:178 Resp: 287285

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	18.1	12.2	18.2

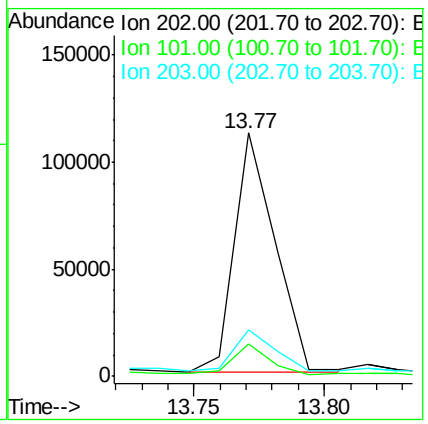




#74
Fluoranthene
Concen: 16.56 ng
RT: 13.77 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

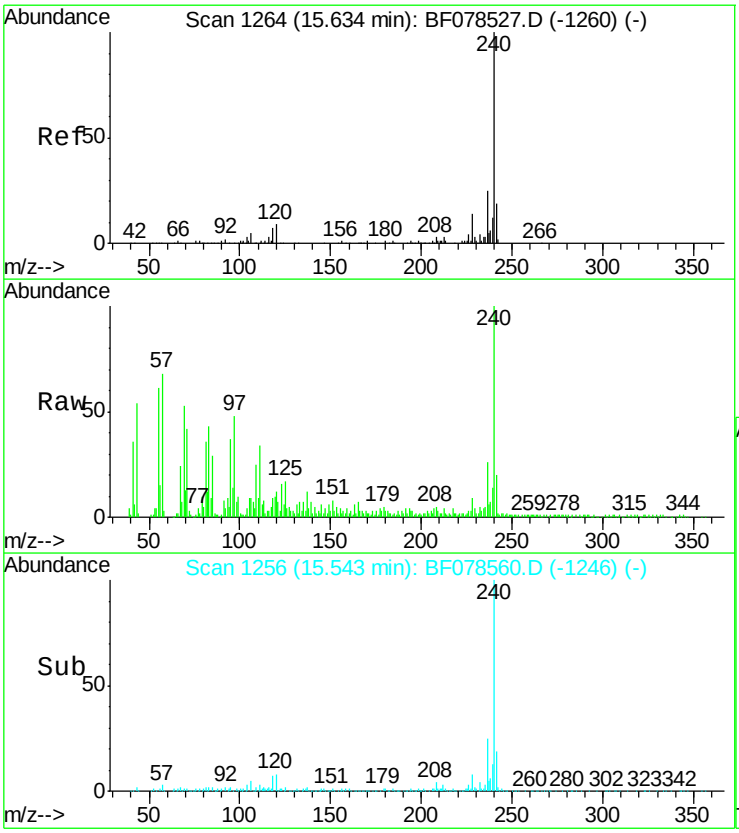
Tgt Ion:202 Resp: 120769

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	35.2
203	19.0	0.0	38.5



Instrument :
BNA_F
ClientSampleId :
LS-SB101

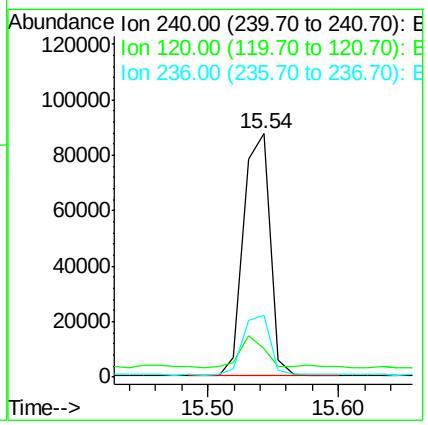
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

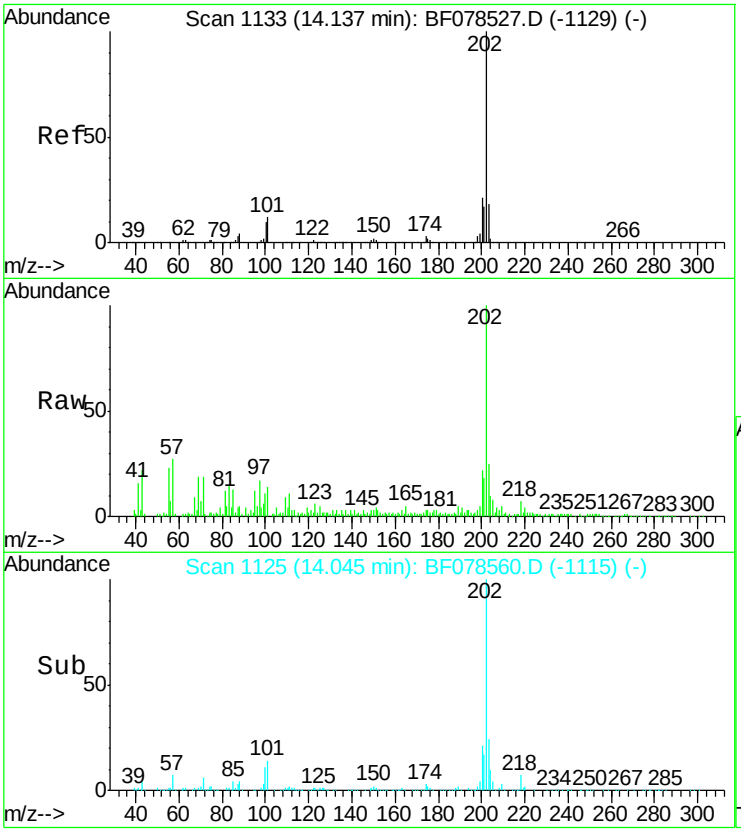


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:240 Resp: 122997

Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.1	10.7#
236	25.6	21.4	32.2

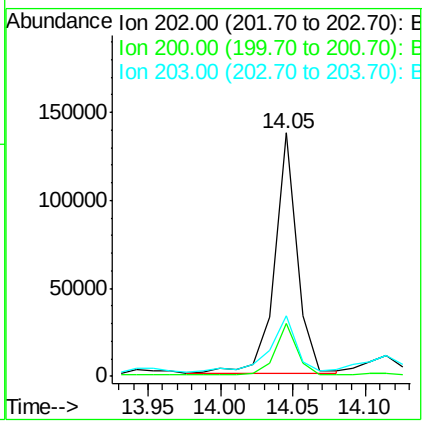




#77
Pyrene
Concen: 18.91 ng
RT: 14.05 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

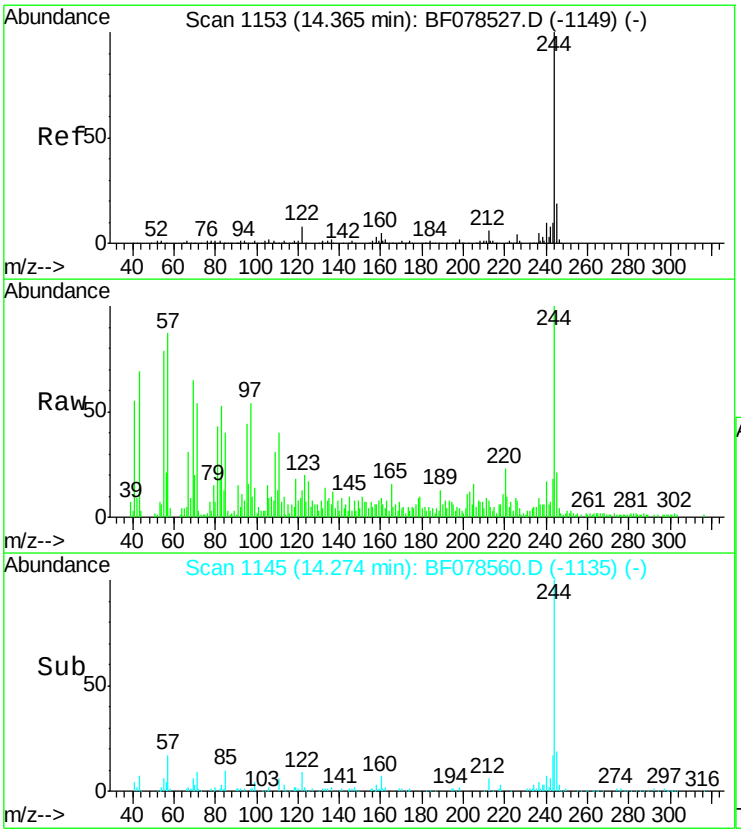
Tgt Ion:202 Resp: 146012

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.3	24.5
203	25.0	13.8	20.6#



Instrument :
BNA_F
ClientSampleId :
LS-SB101

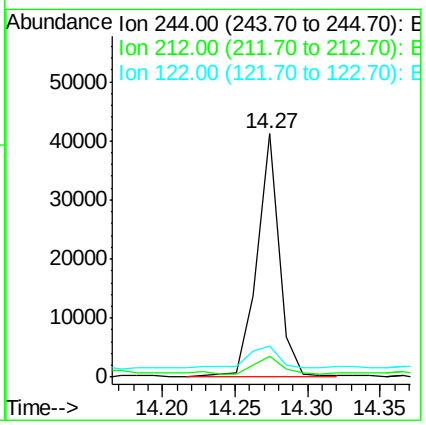
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

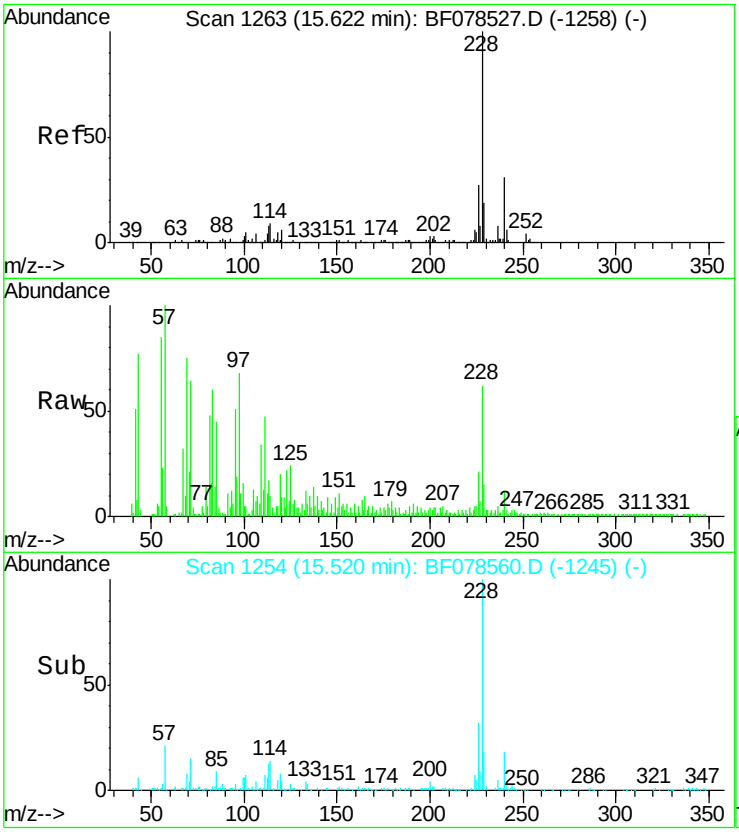


#78
Terphenyl-d14
Concen: 8.11 ng
RT: 14.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:244 Resp: 44141

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.0	7.4#
122	13.0	7.1	10.7#





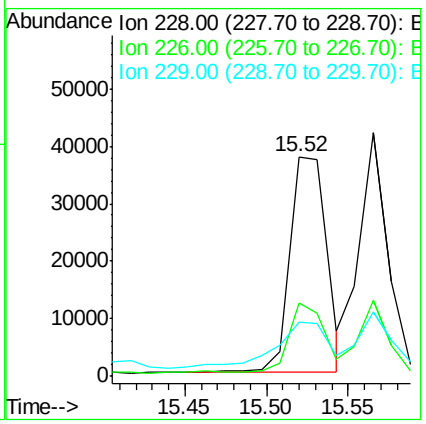
#80
Benzo(a)anthracene
Concen: 8.07 ng
RT: 15.52 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

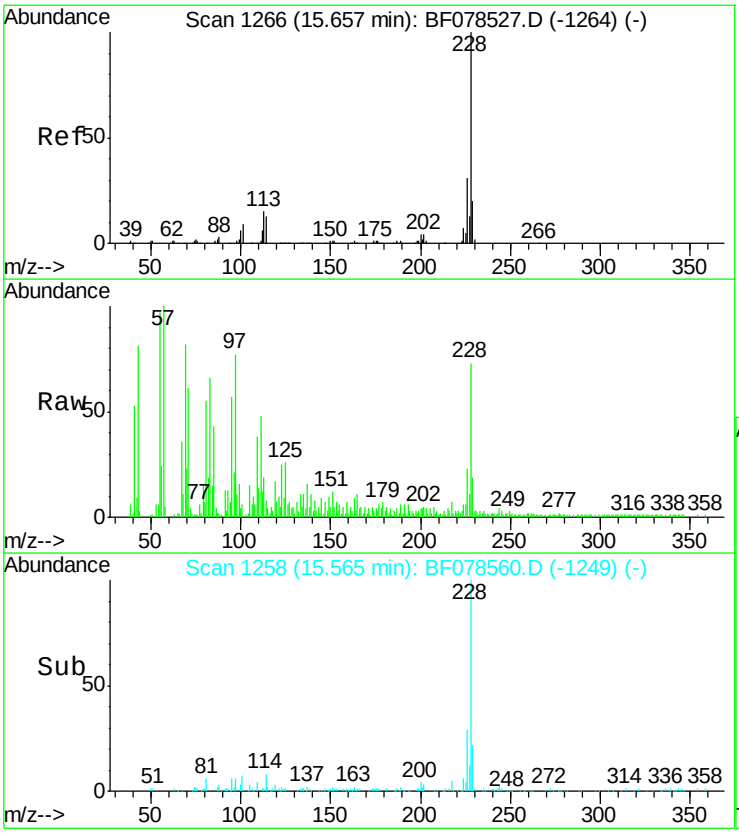
Tgt Ion:228 Resp: 59065

Ion	Ratio	Lower	Upper
228	100		
226	33.6	21.3	31.9#
229	24.6	15.4	23.2#

Instrument :
BNA_F
ClientSampleId :
LS-SB101

Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

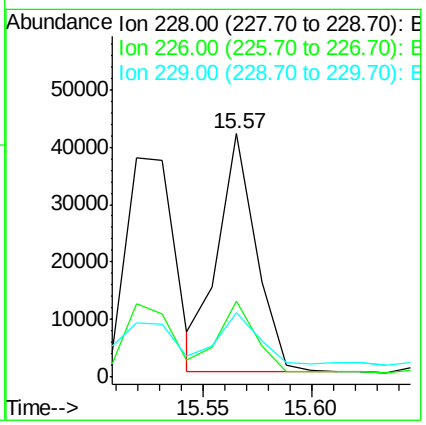


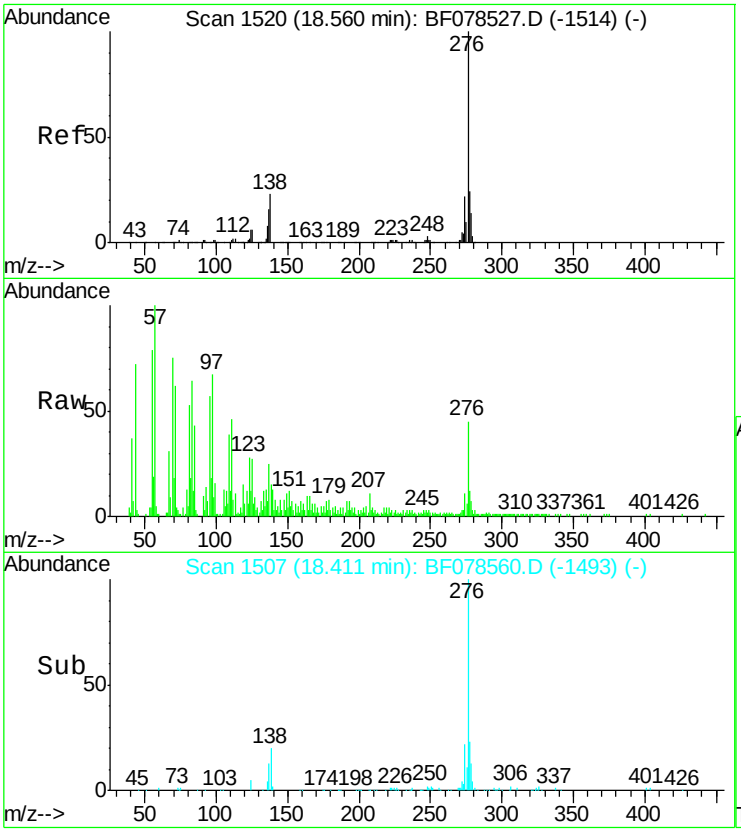


#82
Chrysene
Concen: 7.26 ng
RT: 15.57 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:228 Resp: 49951

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.4
229	26.4	15.8	23.8#





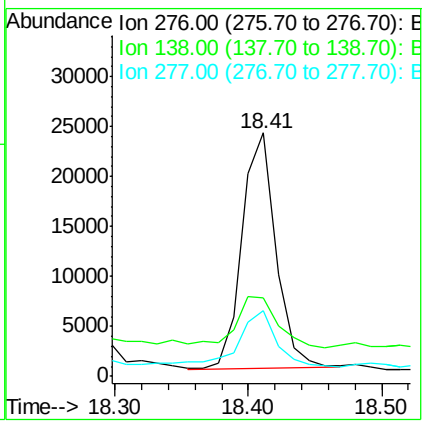
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.38 ng m
RT: 18.41 min Scan# 1507
Delta R.T. -0.14 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

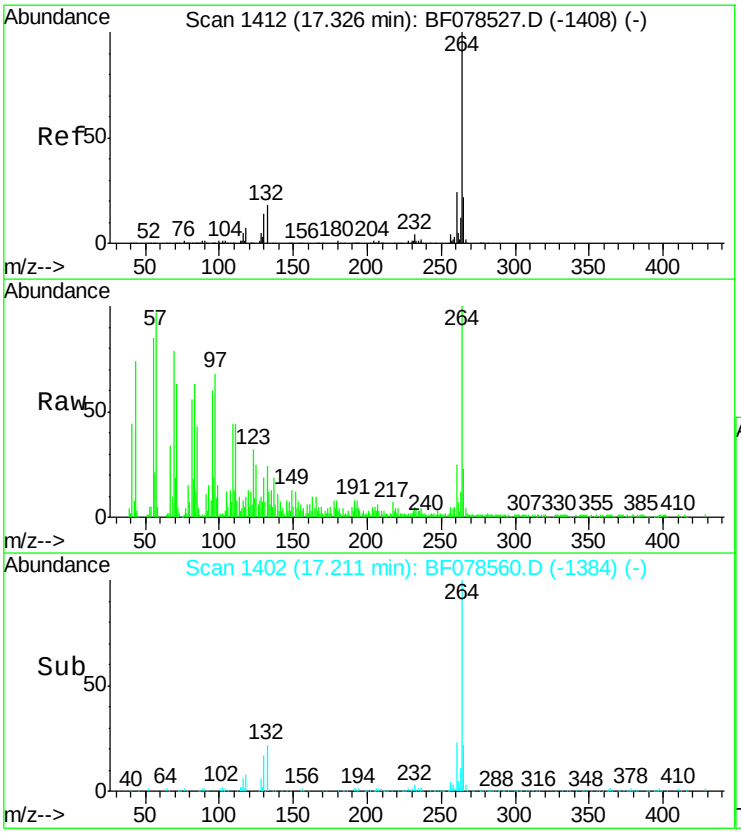
Tgt Ion:276 Resp: 41994

Ion	Ratio	Lower	Upper
276	100		
138	5.8	16.9	25.3#
277	2.7	15.8	23.6#

Instrument :
BNA_F
ClientSampleId :
LS-SB101

Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

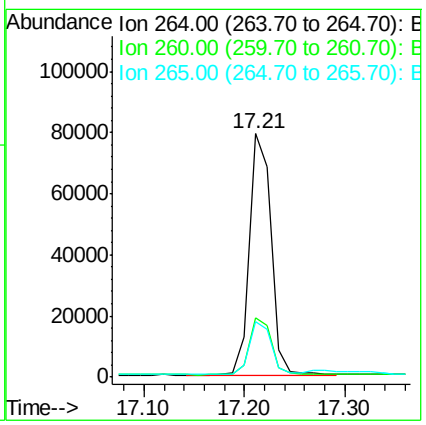


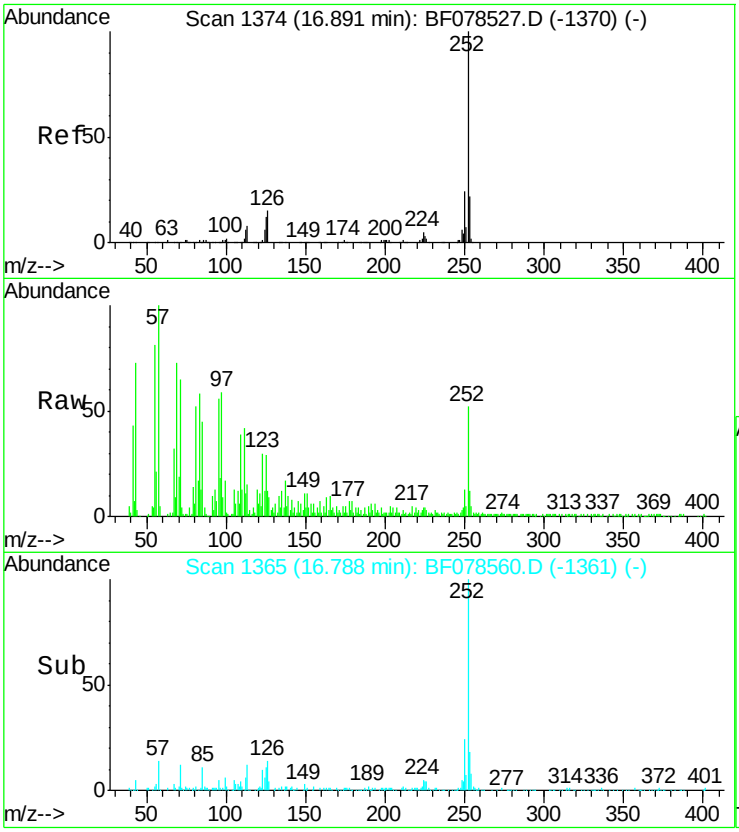


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.09 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:264 Resp: 119157

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	27.8
265	22.7	17.0	25.6

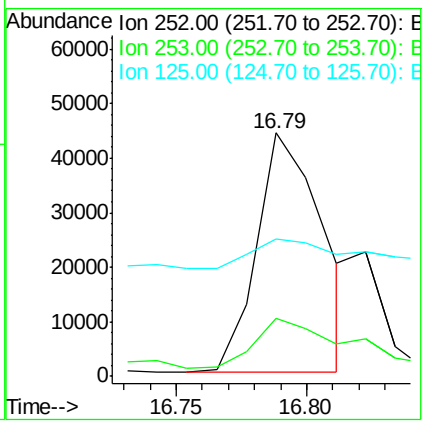




#87
Benzo(b)fluoranthene
Concen: 10.52 ng
RT: 16.79 min Scan# 1365
Delta R.T. -0.06 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

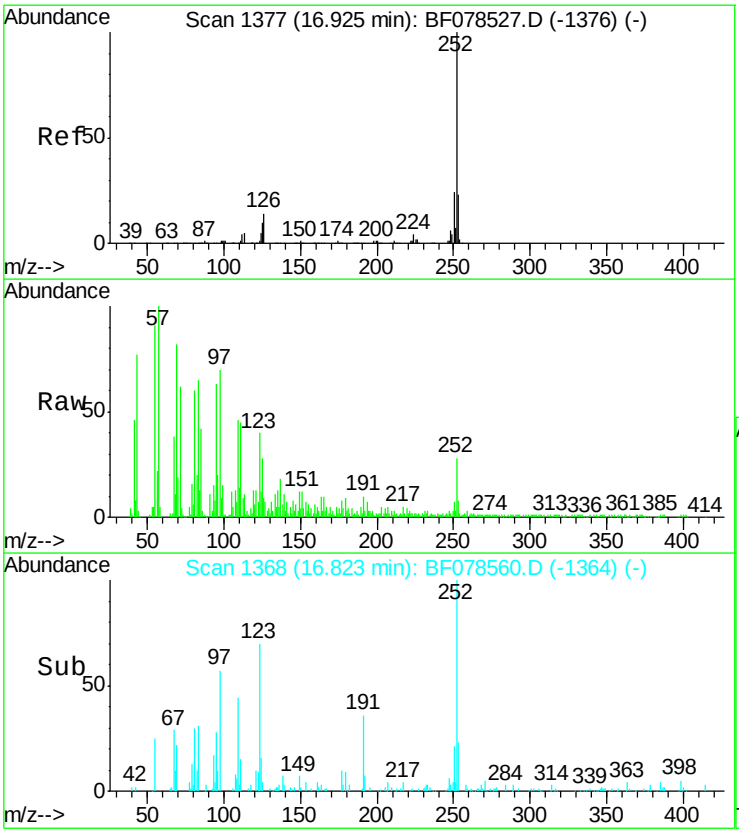
Tgt Ion:252 Resp: 77467

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	56.5	7.0	10.4#



Instrument :
BNA_F
ClientSampleId :
LS-SB101

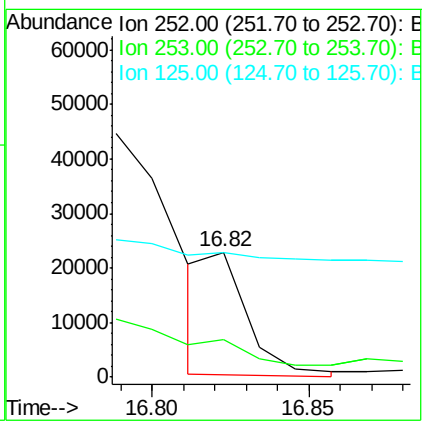
Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM

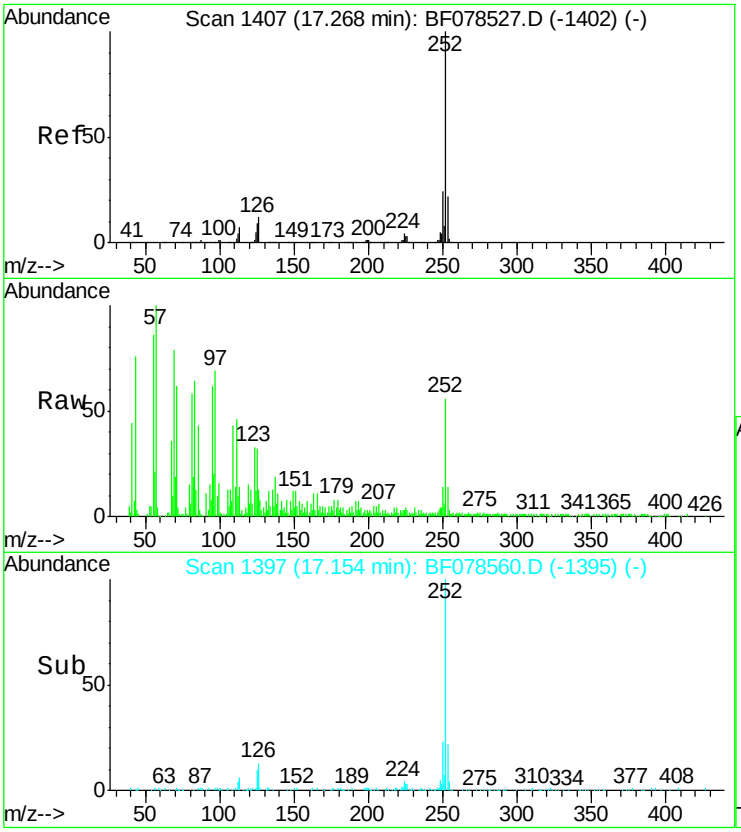


#88
Benzo(k)fluoranthene
Concen: 3.08 ng m
RT: 16.82 min Scan# 1368
Delta R.T. -0.06 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:252 Resp: 20182

Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.5	26.3#
125	100.0	11.6	17.4#





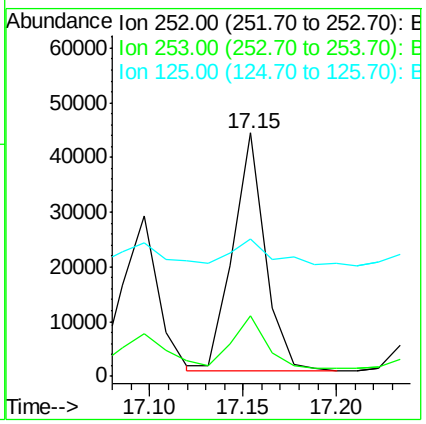
#89
Benzo(a)pyrene
Concen: 8.12 ng
RT: 17.15 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

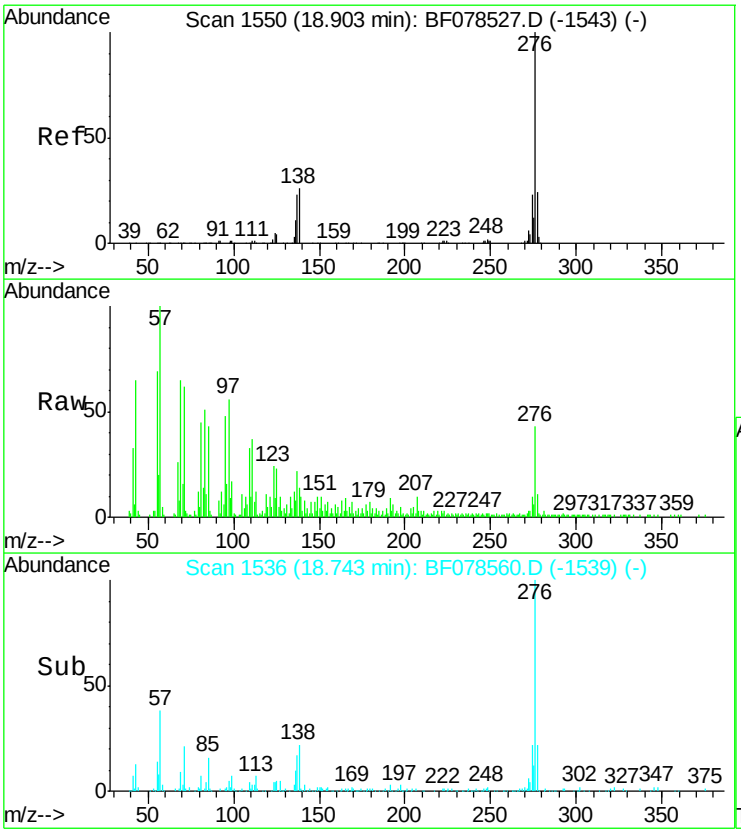
Tgt Ion:252 Resp: 52202

Ion	Ratio	Lower	Upper
252	100		
253	25.1	16.8	25.2
125	56.3	7.4	11.0#

Instrument :
BNA_F
ClientSampleId :
LS-SB101

Manual Integrations APPROVED
apatel
4/16/2015 3:31:26 PM





#91
Benzo(g,h,i)perylene
Concen: 6.37 ng
RT: 18.74 min Scan# 1536
Delta R.T. -0.14 min
Lab File: BF078560.D
Acq: 16 Apr 2015 3:07

Tgt Ion:276 Resp: 41091

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.4
138	31.9	19.9	29.9#