Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
Data File : BF079927.D
Acq On : 12 Jun 2015 8:13
Operator : TP/IZ
Sample : G2449-04 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 12 14:57:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 13:46:24 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FM3

Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	55245	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	237907	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	124730	20.00	ng	0.00
63) Phenanthrene-d10	11.97	188	268654	20.00	ng	0.00
75) Chrysene-d12	14.95	240	290498	20.00	ng	0.10
86) Perylene-d12	16.87	264	292484	20.00	ng	0.16
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	85375	28.34	ng	0.00
7) Phenol-d6	6.99	99	115253	28.08	ng	0.00
23) Nitrobenzene-d5	7.94	82	52732	14.62	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	22750	20.67	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	150456	16.89	ng	0.00
78) Terphenyl-d14	13.66	244	169757	13.47	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	8.71	128	67970	5.23	ng	99
37) 2-Methylnaphthalene	9.40	142	25929	2.95	ng	94
51) Acenaphthene	10.49	154	82446	10.00	ng	97
54) Dibenzofuran	10.66	168	111187	9.23	ng	95
57) Fluorene	11.02	166	82268	7.83	ng	97
70) Phenanthrene	12.00	178	1494875	93.36	ng	99
71) Anthracene	12.05	178	391130	25.24	ng	99
72) Carbazole	12.19	167	117665	7.83	ng	99
74) Fluoranthene	13.27	202	1593676	90.04	ng	97
77) Pyrene	13.52	202	1349967	73.99	ng	97
80) Benzo(a)anthracene	14.94	228	730322	39.59	ng	98
82) Chrysene	14.98	228	542828	32.95	ng	98
85) Indeno(1,2,3-cd)pyrene	18.77	276	288844	14.95	ng	92
87) Benzo(b)fluoranthene	16.31	252	683446m	38.14	ng	
88) Benzo(k)fluoranthene	16.34	252	224604m	12.29	ng	
89) Benzo(a)pyrene	16.78	252	500696	29.38	ng	96
90) Dibenzo(a,h)anthracene	18.79	278	74154	4.43	ng	97
91) Benzo(g,h,i)perylene	19.35	276	286107	16.50	ng	98

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

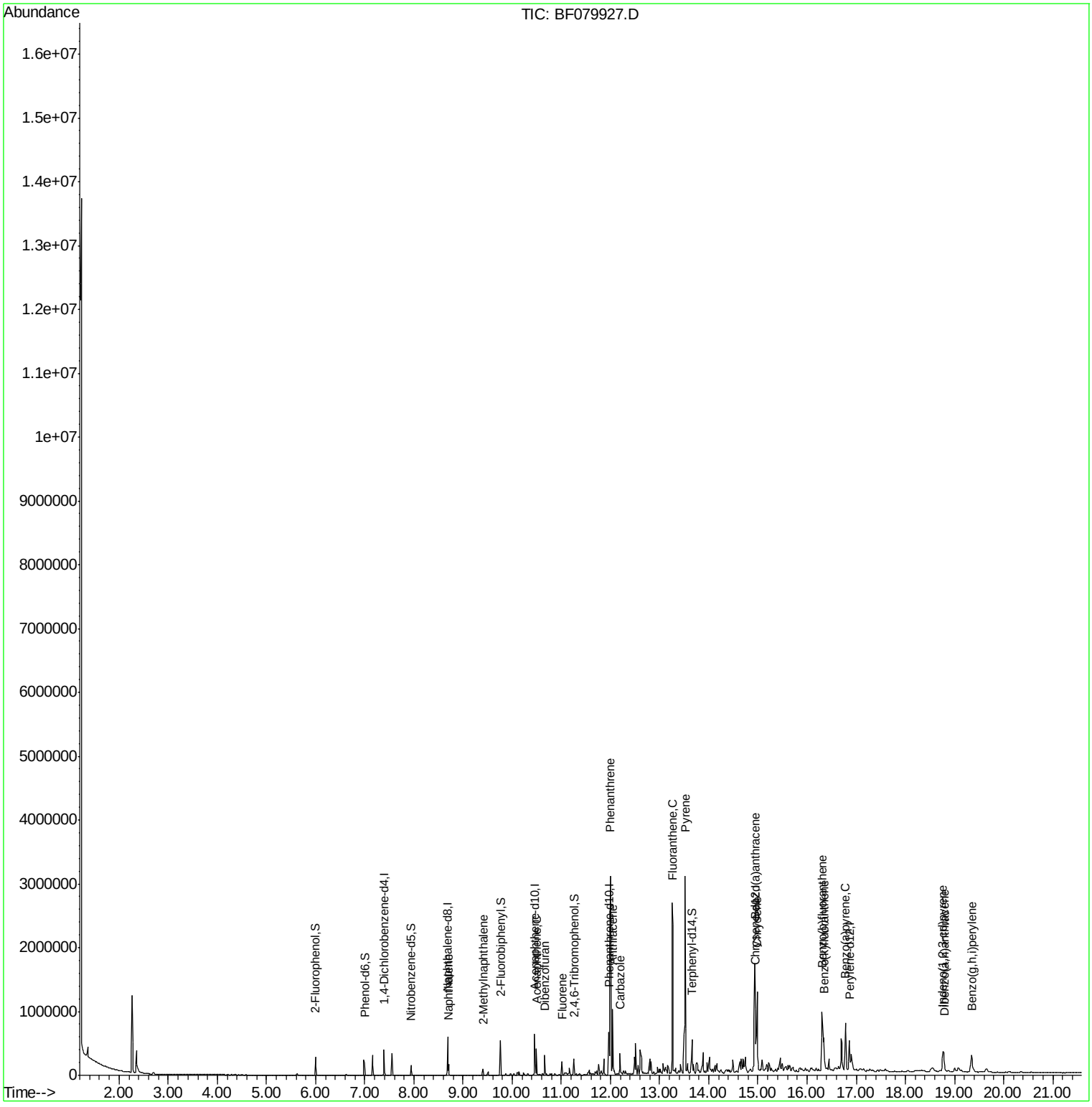
Quantitation Report (LSC Reviewed)

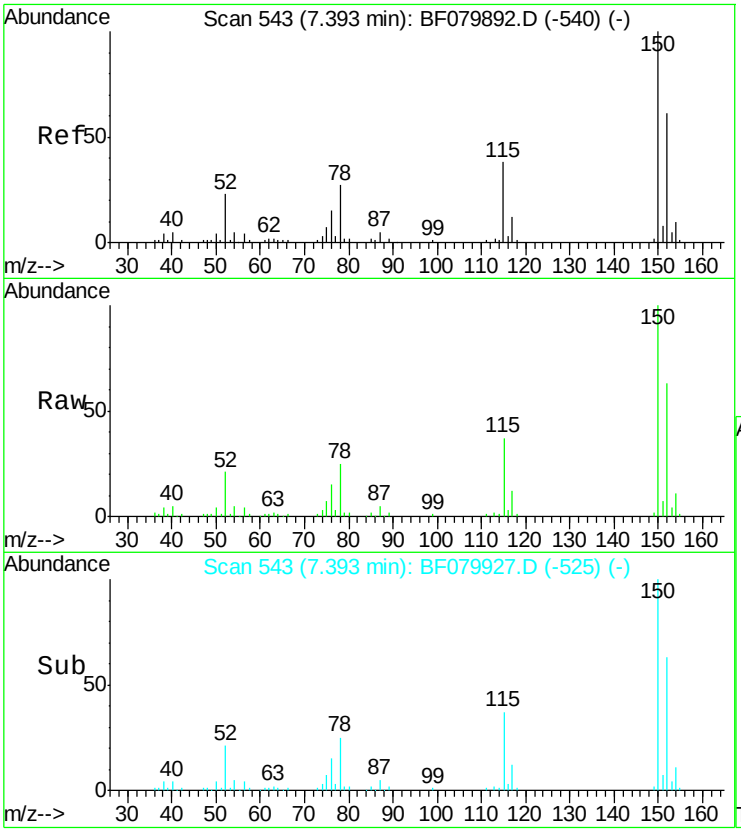
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
Data File : BF079927.D
Acq On : 12 Jun 2015 8:13
Operator : TP/IZ
Sample : G2449-04 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 12 14:57:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 13:46:24 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
FM3

Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

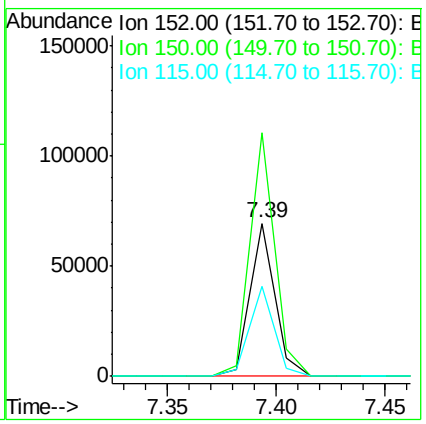




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

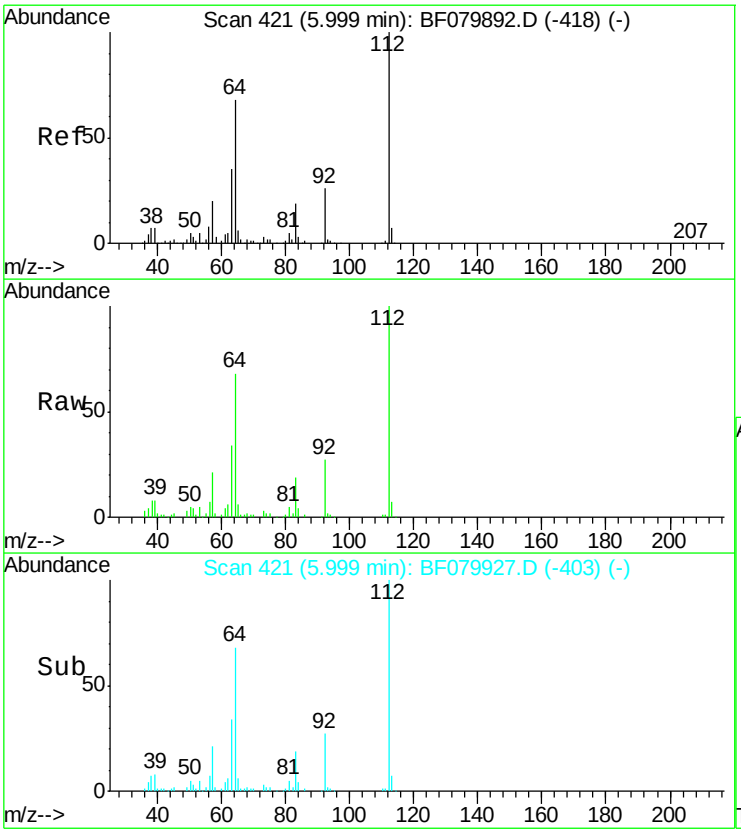
Tgt Ion:152 Resp: 55245

Ion	Ratio	Lower	Upper
152	100		
150	159.0	131.0	196.4
115	58.6	49.8	74.6



Instrument :
BNA_F
ClientSampleId :
FM3

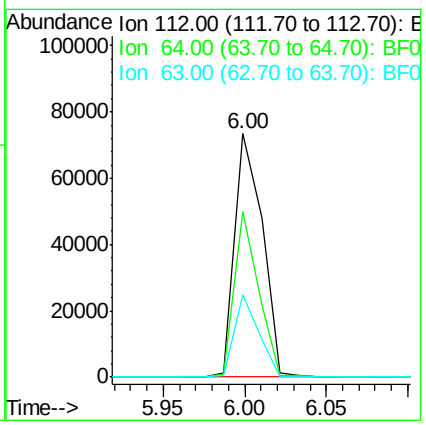
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

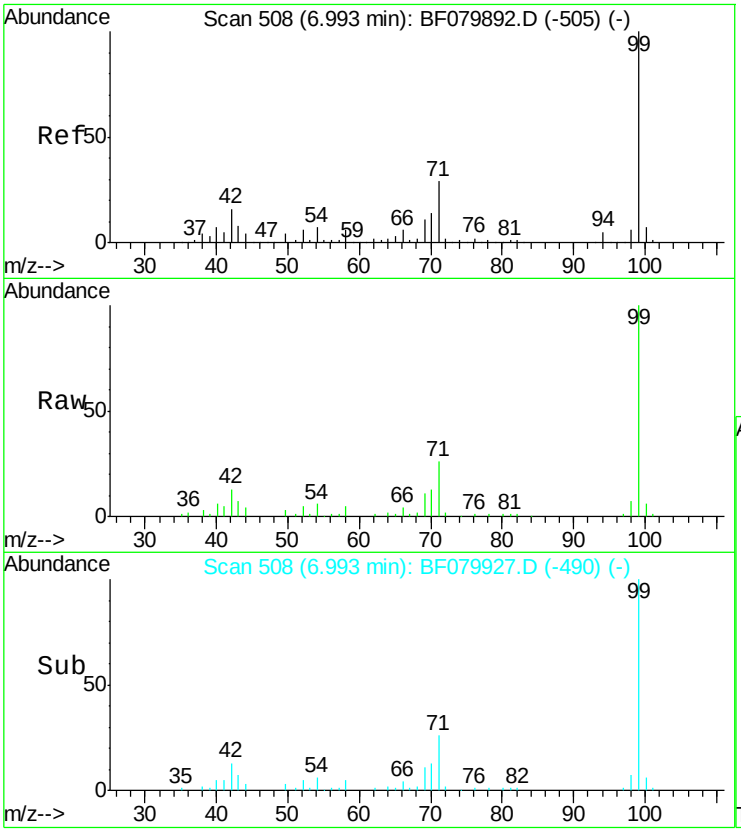


#5
2-Fluorophenol
Concen: 28.34 ng
RT: 6.00 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:112 Resp: 85375

Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.5	81.7
63	33.6	27.9	41.9

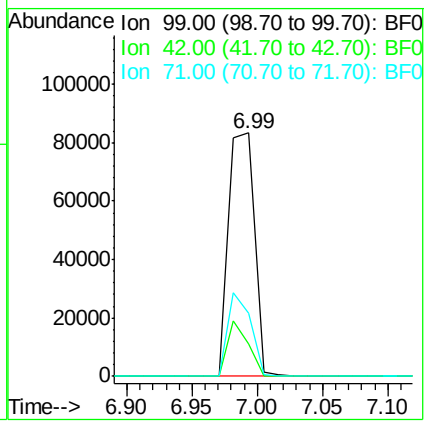




#7
Phenol-d6
Concen: 28.08 ng
RT: 6.99 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

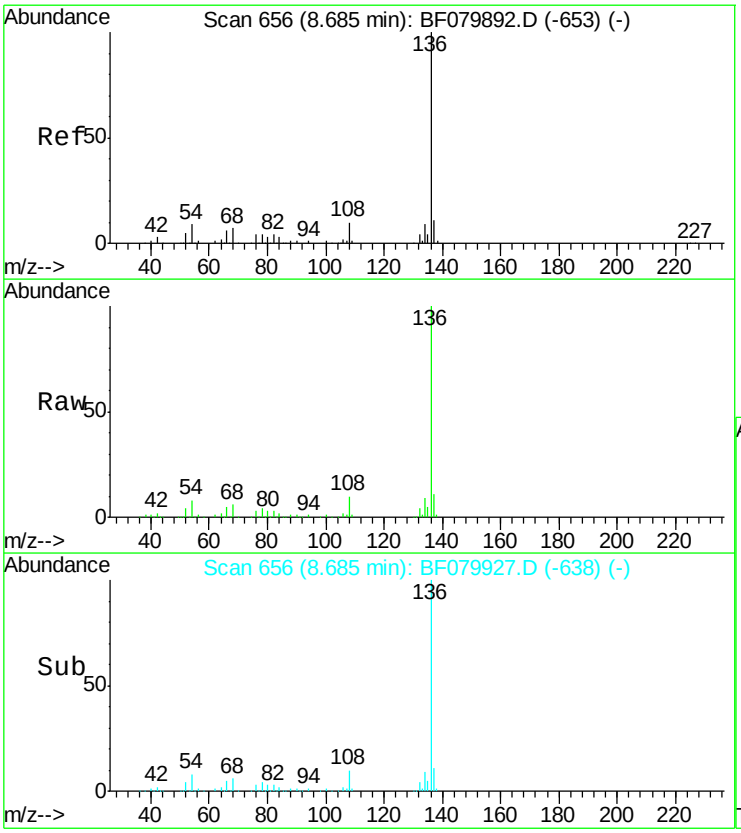
Tgt Ion: 99 Resp: 115253

Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.9	19.3
71	26.2	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
FM3

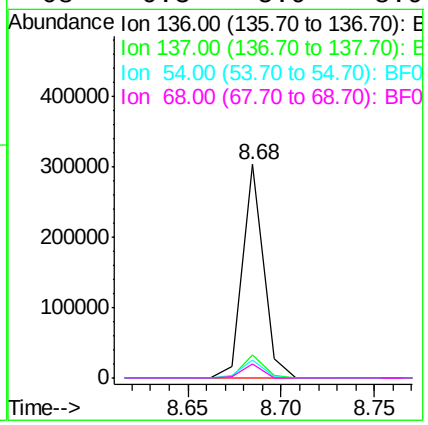
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

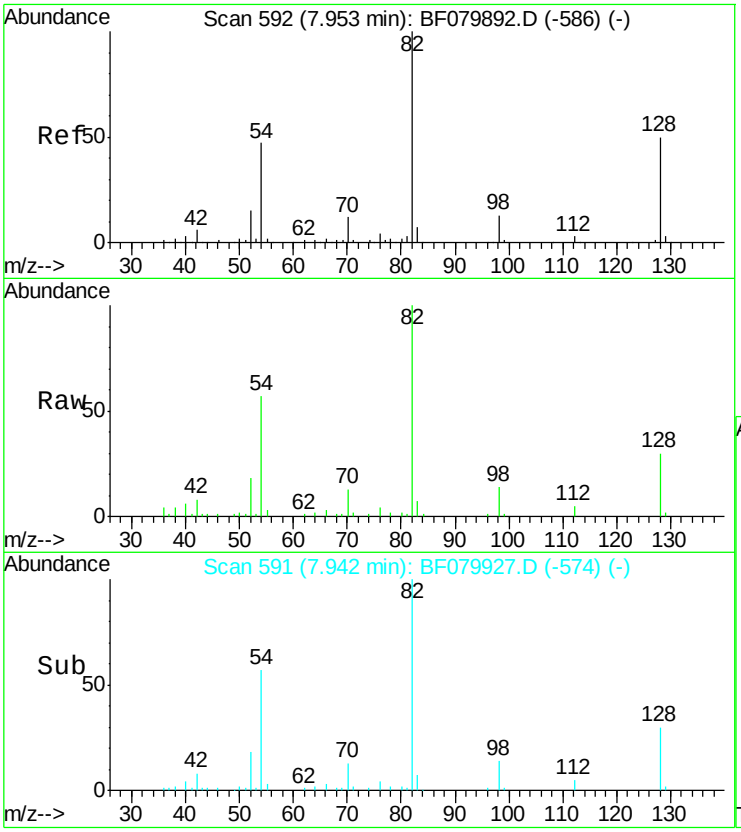


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.68 min Scan# 656
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:136 Resp: 237907

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.4	7.3	10.9
68	6.3	5.9	8.9

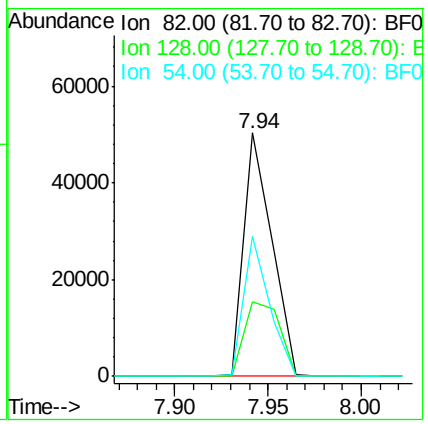




#23
Nitrobenzene-d5
Concen: 14.62 ng
RT: 7.94 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

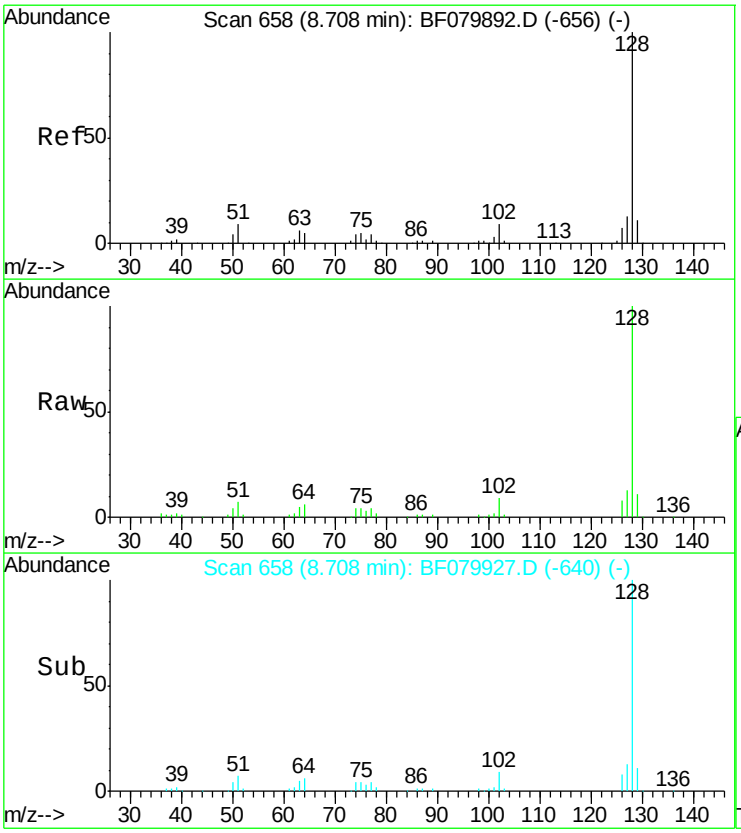
Tgt Ion: 82 Resp: 52732

Ion	Ratio	Lower	Upper
82	100		
128	30.4	40.3	60.5#
54	57.2	38.0	57.0#



Instrument :
BNA_F
ClientSampleId :
FM3

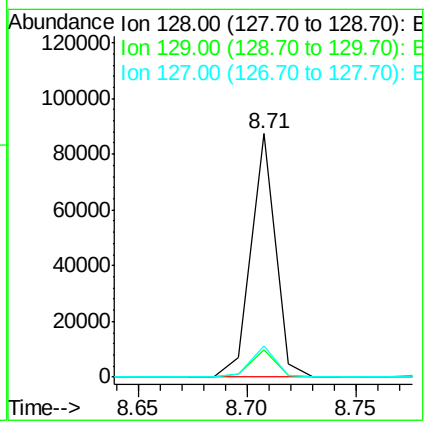
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

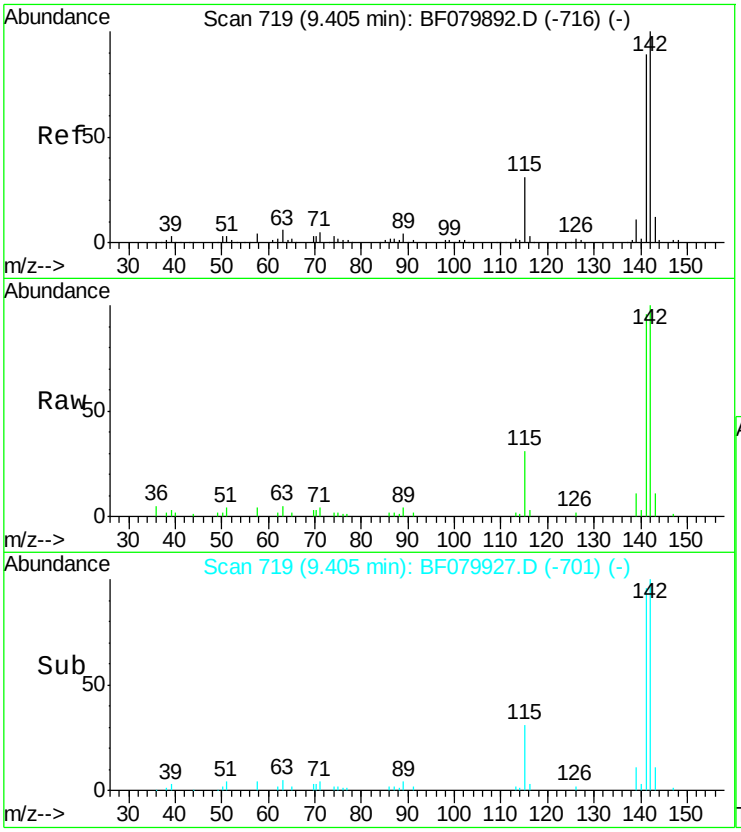


#31
Naphthalene
Concen: 5.23 ng
RT: 8.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:128 Resp: 67970

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.5	15.7

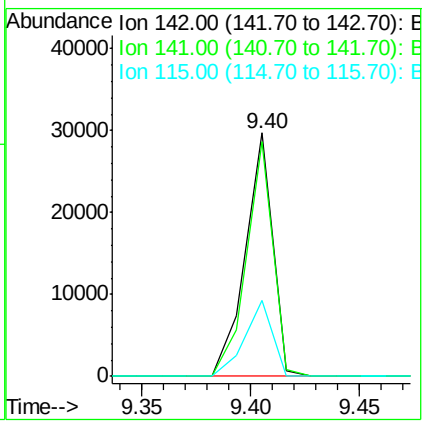




#37
2-Methylnaphthalene
Concen: 2.95 ng
RT: 9.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

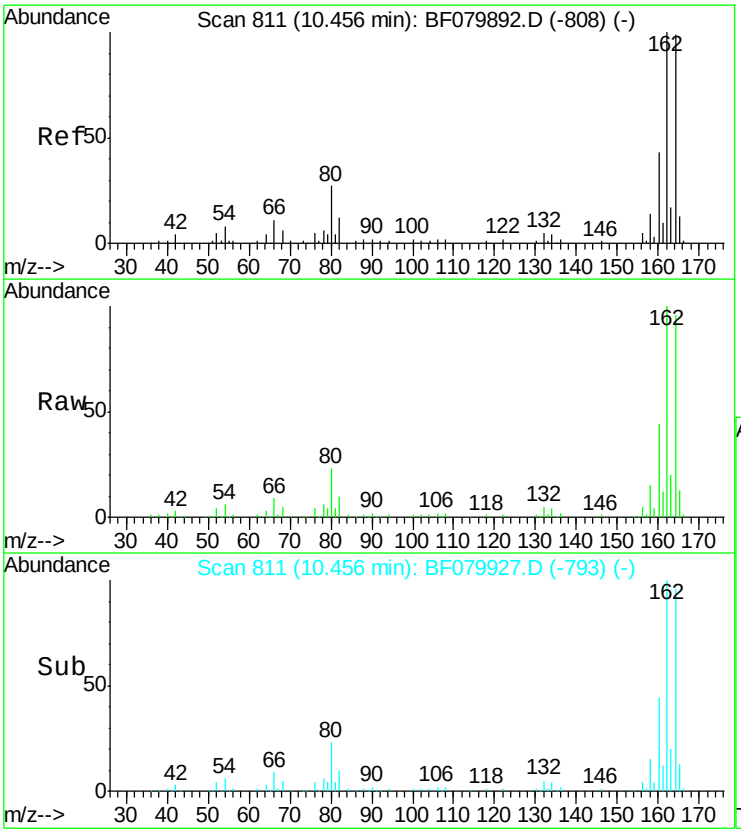
Tgt Ion:142 Resp: 25929

Ion	Ratio	Lower	Upper
142	100		
141	96.3	70.9	106.3
115	31.1	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
FM3

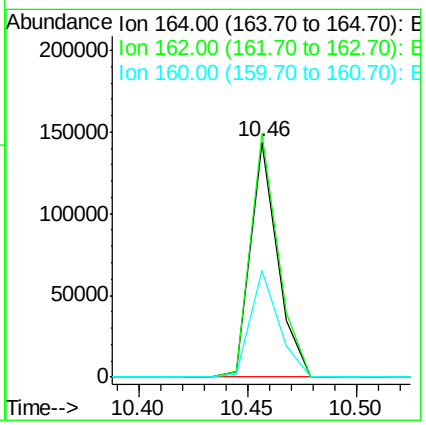
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

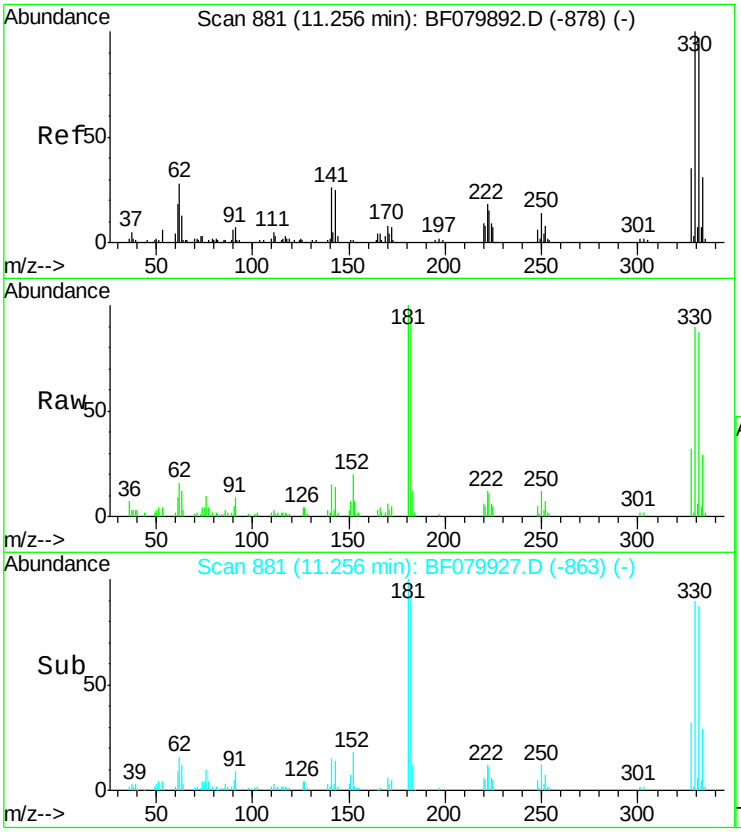


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:164 Resp: 124730

Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.7	121.1
160	45.4	34.6	51.8

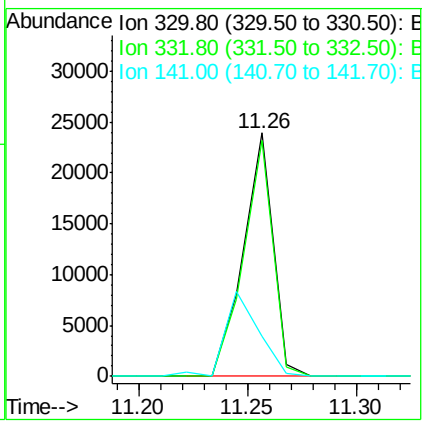




#41
2,4,6-Tribromophenol
Concen: 20.67 ng
RT: 11.26 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

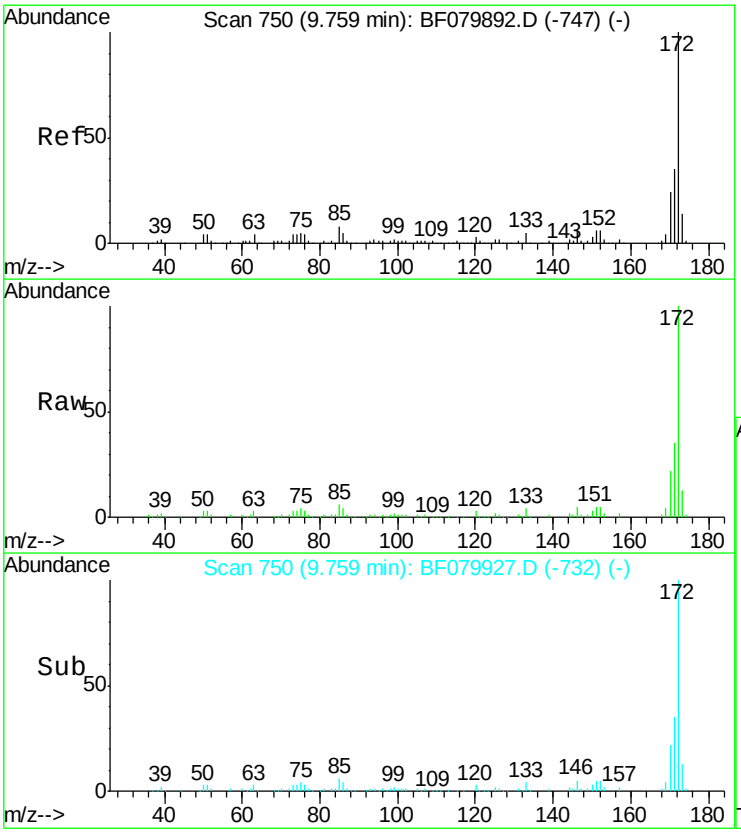
Tgt Ion:330 Resp: 22750

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	39.2	26.8	40.2



Instrument :
BNA_F
ClientSampleId :
FM3

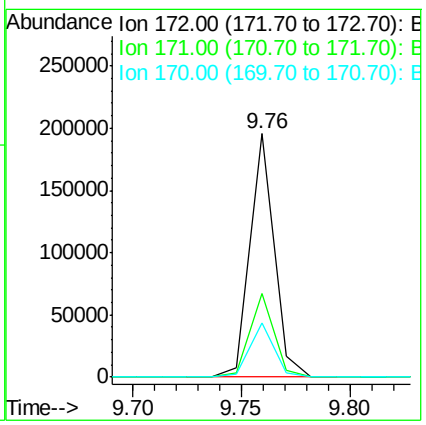
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

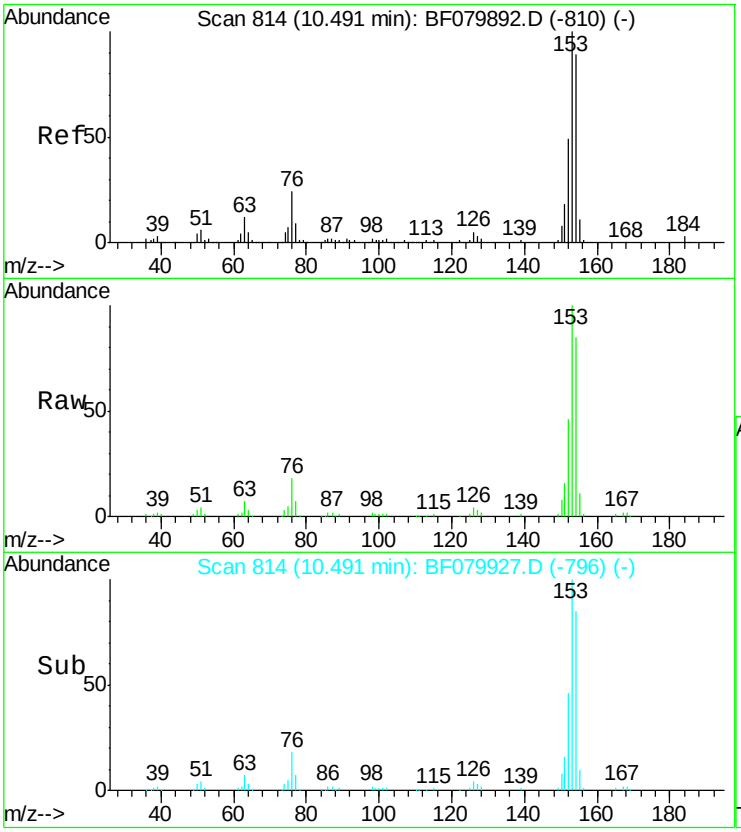


#44
2-Fluorobiphenyl
Concen: 16.89 ng
RT: 9.76 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:172 Resp: 150456

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.3	42.5
170	22.4	19.0	28.4

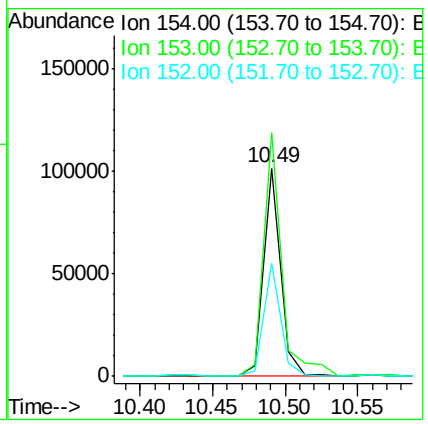




#51
Acenaphthene
Concen: 10.00 ng
RT: 10.49 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

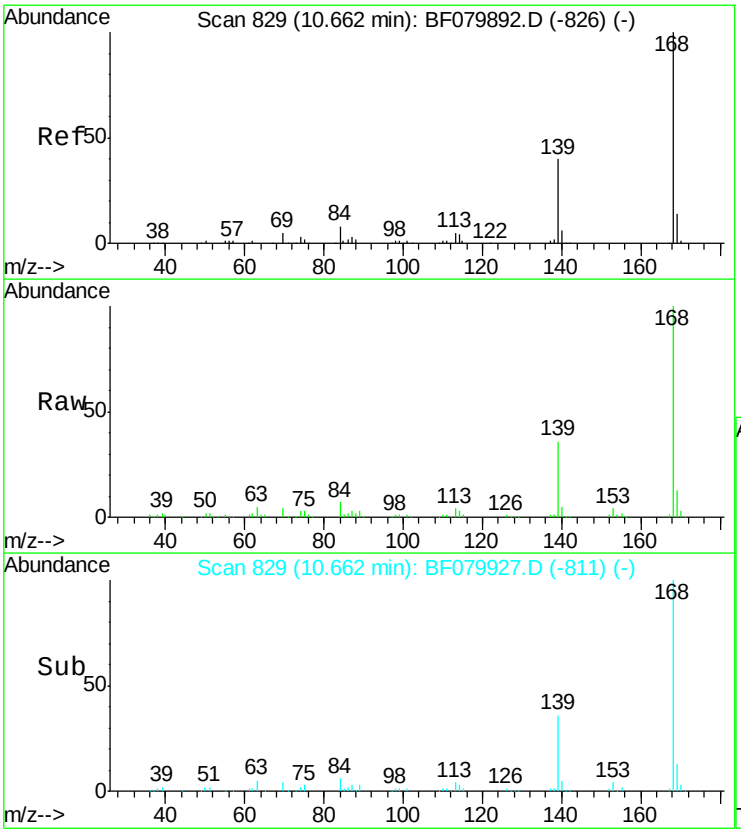
Tgt Ion:154 Resp: 82446

Ion	Ratio	Lower	Upper
154	100		
153	117.1	90.0	135.0
152	54.2	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
FM3

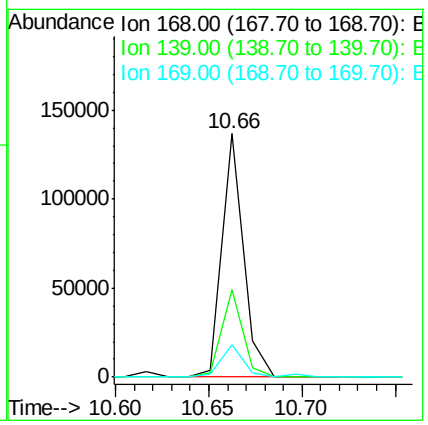
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

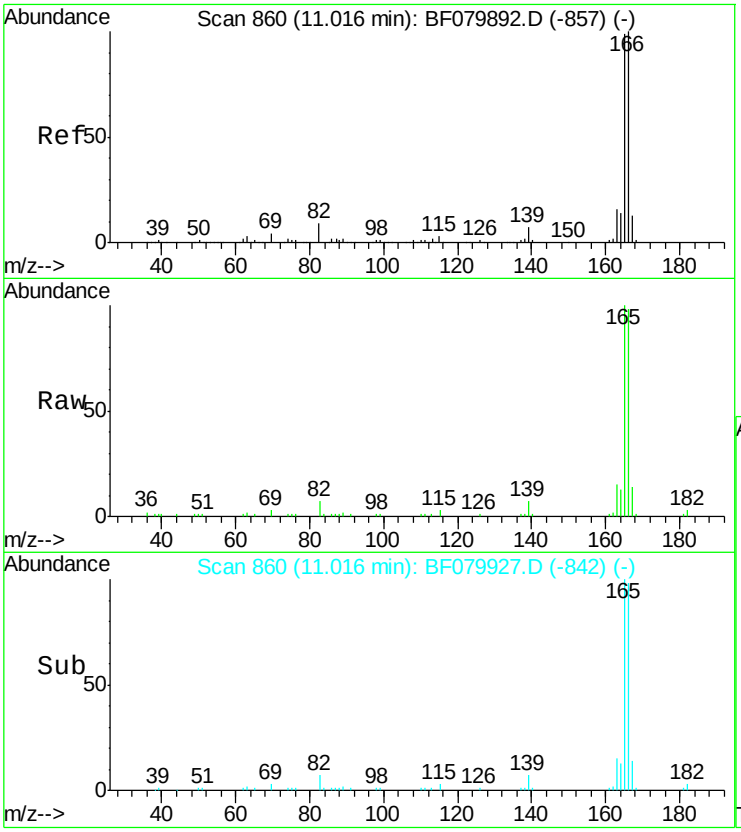


#54
Dibenzofuran
Concen: 9.23 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:168 Resp: 111187

Ion	Ratio	Lower	Upper
168	100		
139	36.1	32.2	48.2
169	13.4	11.0	16.6

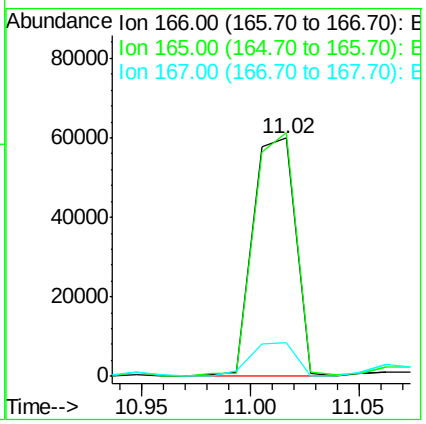




#57
Fluorene
Concen: 7.83 ng
RT: 11.02 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

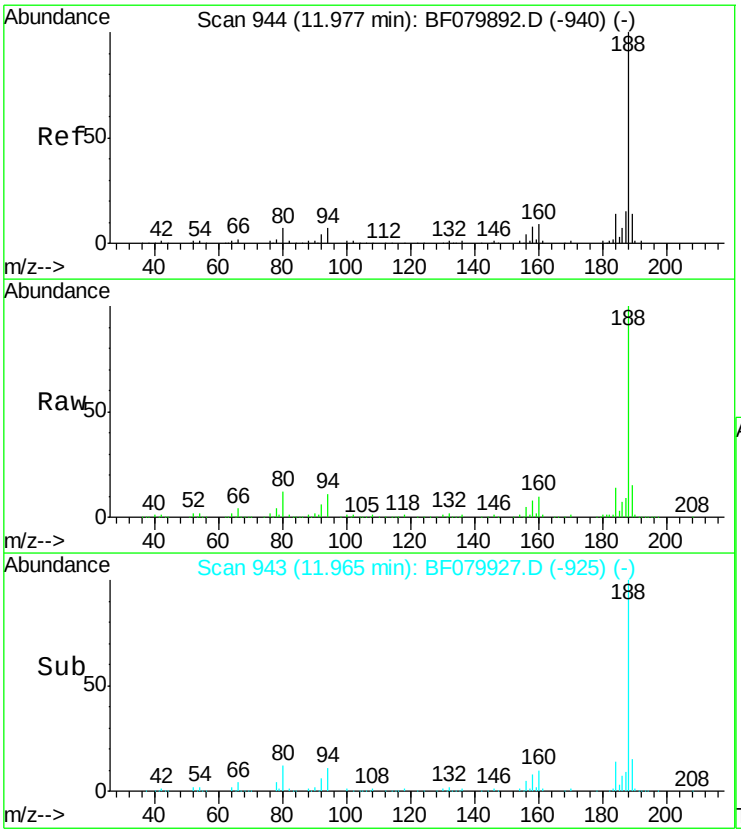
Tgt Ion:166 Resp: 82268

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.0	118.6
167	14.3	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
FM3

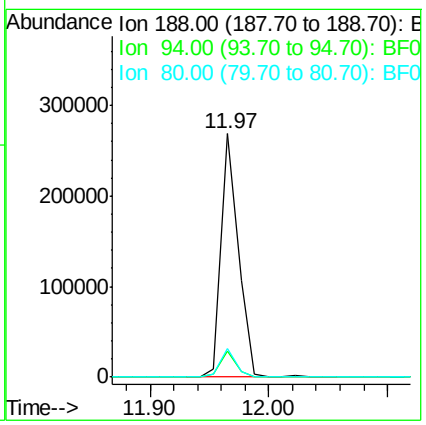
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

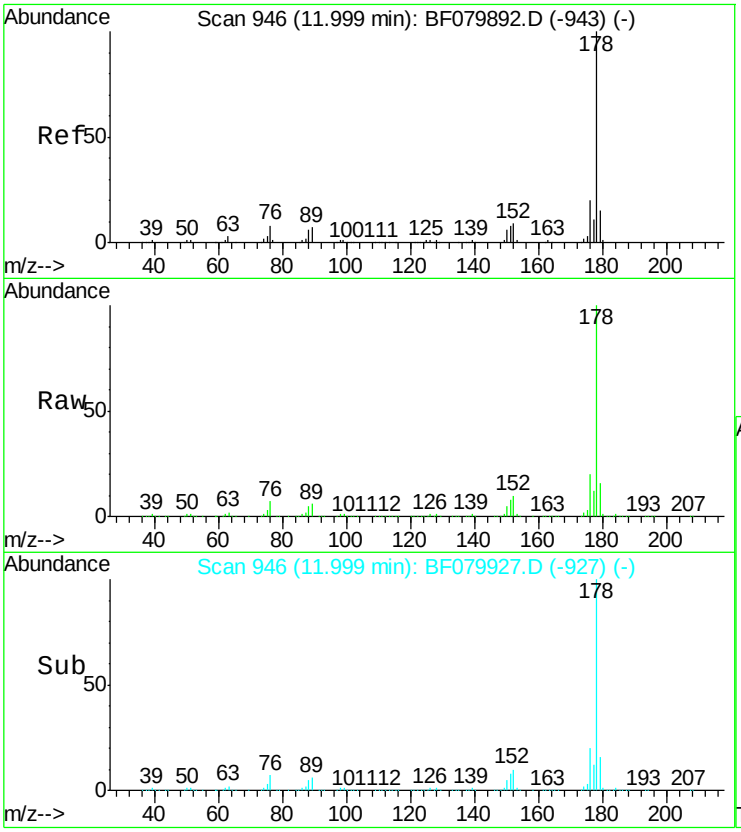


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.97 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:188 Resp: 268654

Ion	Ratio	Lower	Upper
188	100		
94	10.8	5.8	8.8#
80	11.8	5.9	8.9#

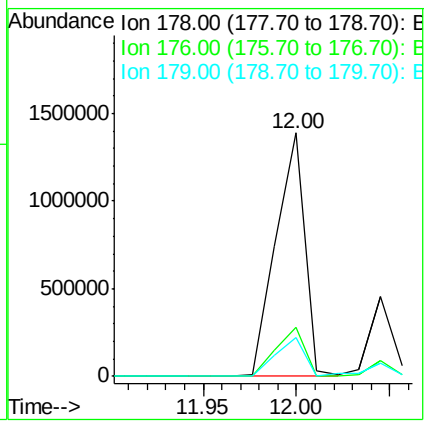




#70
Phenanthrene
Concen: 93.36 ng
RT: 12.00 min Scan# 946
Delta R.T. 0.01 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

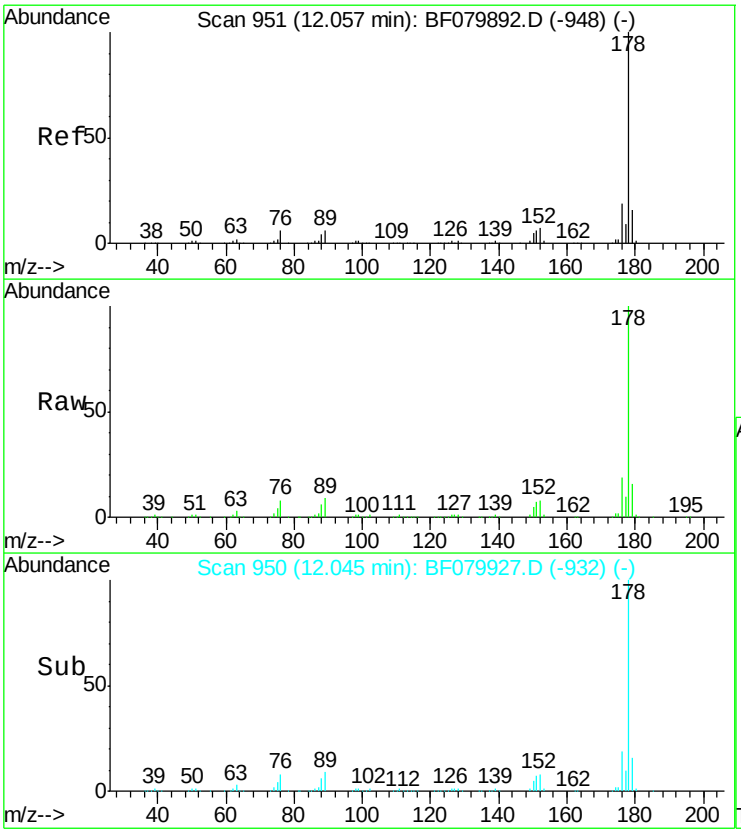
Tgt Ion:178 Resp: 1494875

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.9	23.9
179	16.0	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
FM3

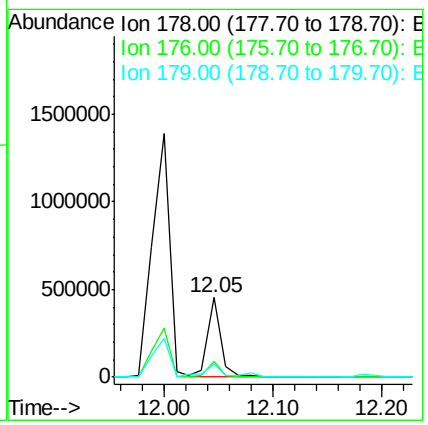
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

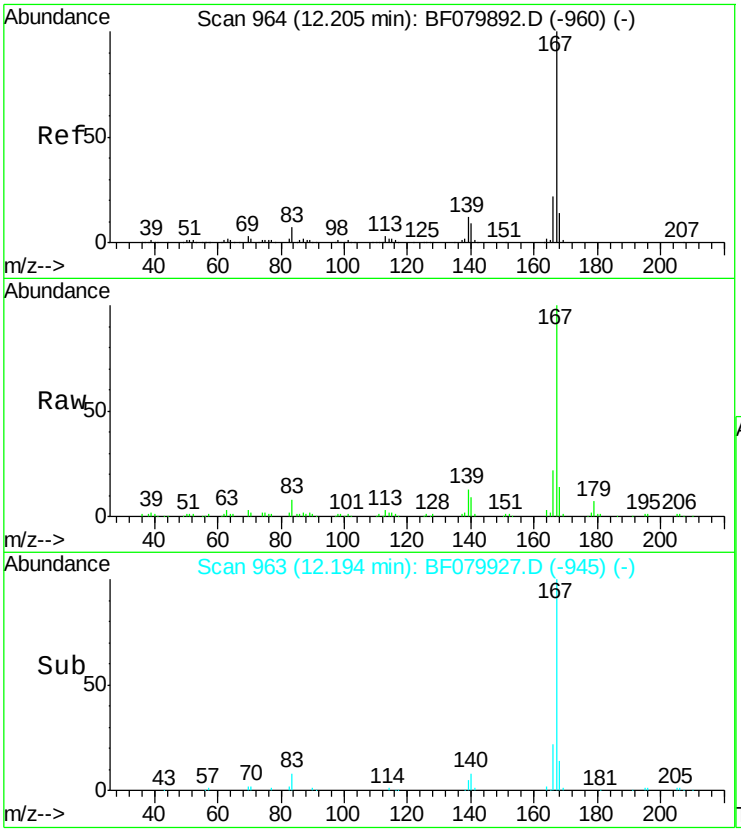


#71
Anthracene
Concen: 25.24 ng
RT: 12.05 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:178 Resp: 391130

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.9	12.5	18.7

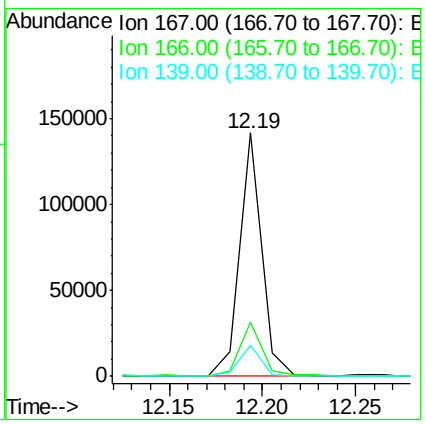




#72
Carbazole
Concen: 7.83 ng
RT: 12.19 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

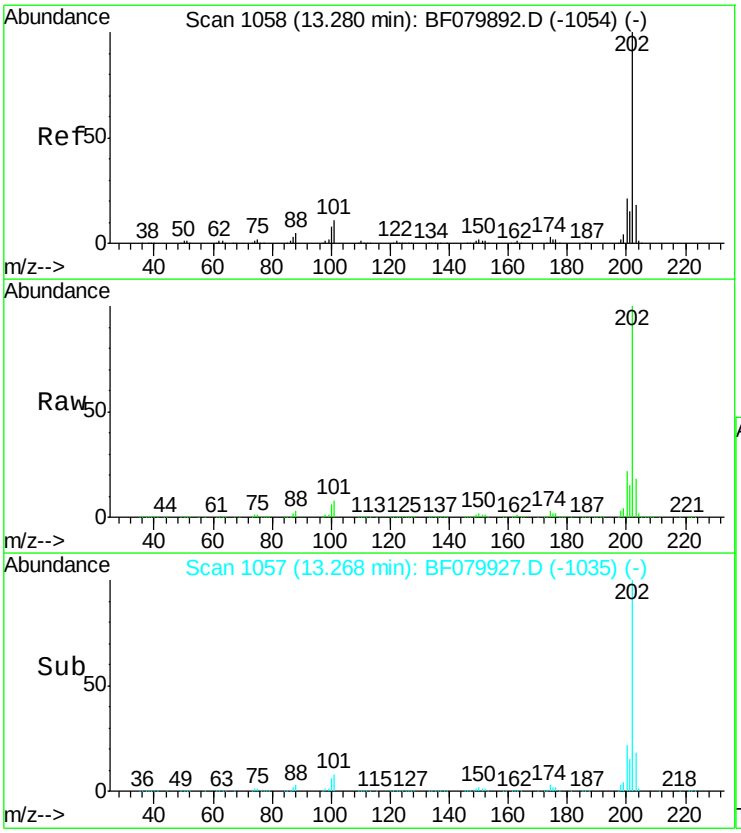
Tgt Ion:167 Resp: 117665

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	12.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
FM3

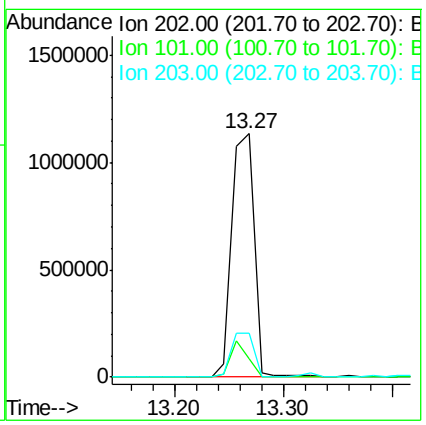
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

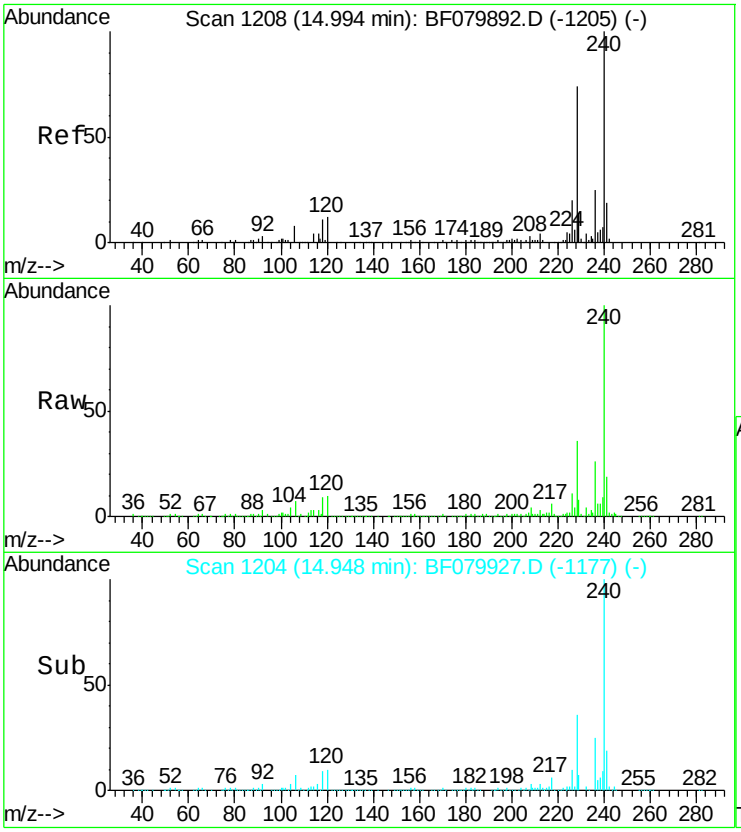


#74
Fluoranthene
Concen: 90.04 ng
RT: 13.27 min Scan# 1057
Delta R.T. 0.05 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:202 Resp: 1593676

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	30.7
203	18.1	0.0	38.0

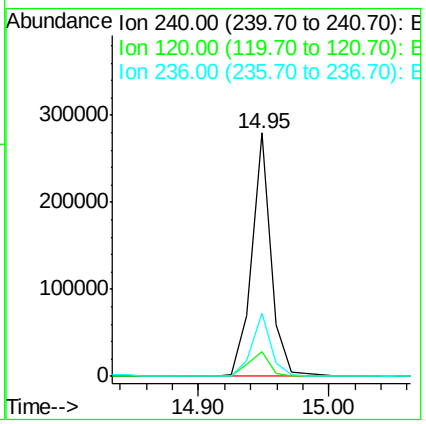




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1204
Delta R.T. 0.10 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

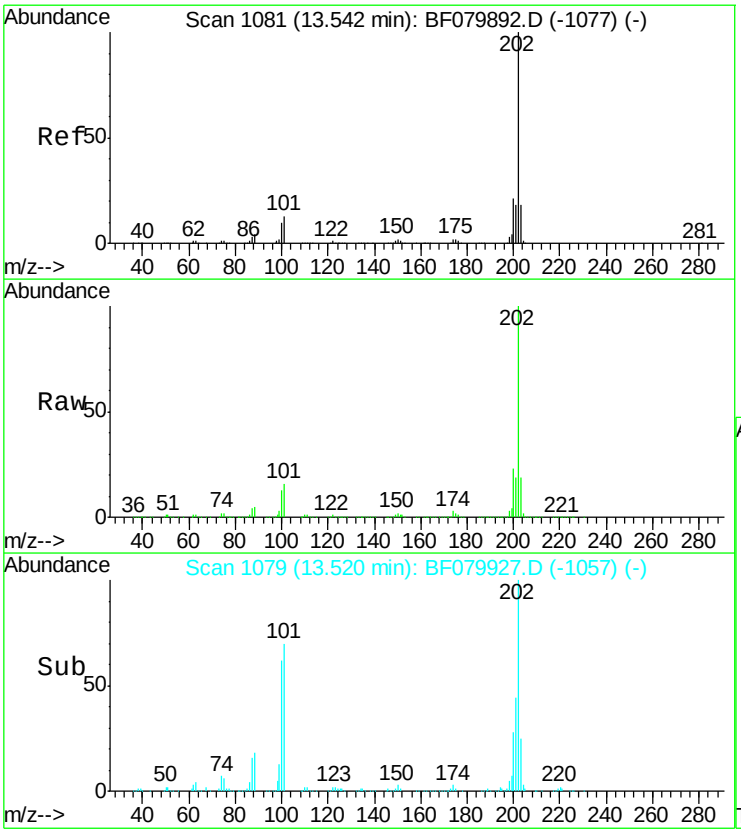
Tgt Ion:240 Resp: 290498

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.4	14.2
236	25.8	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
FM3

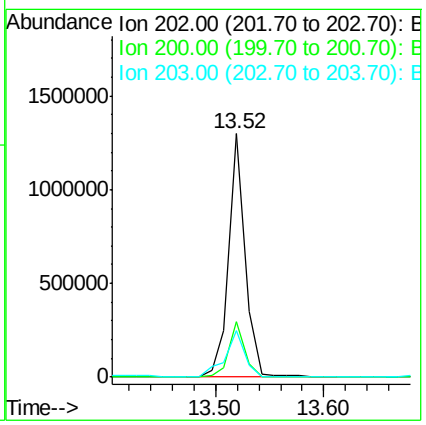
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

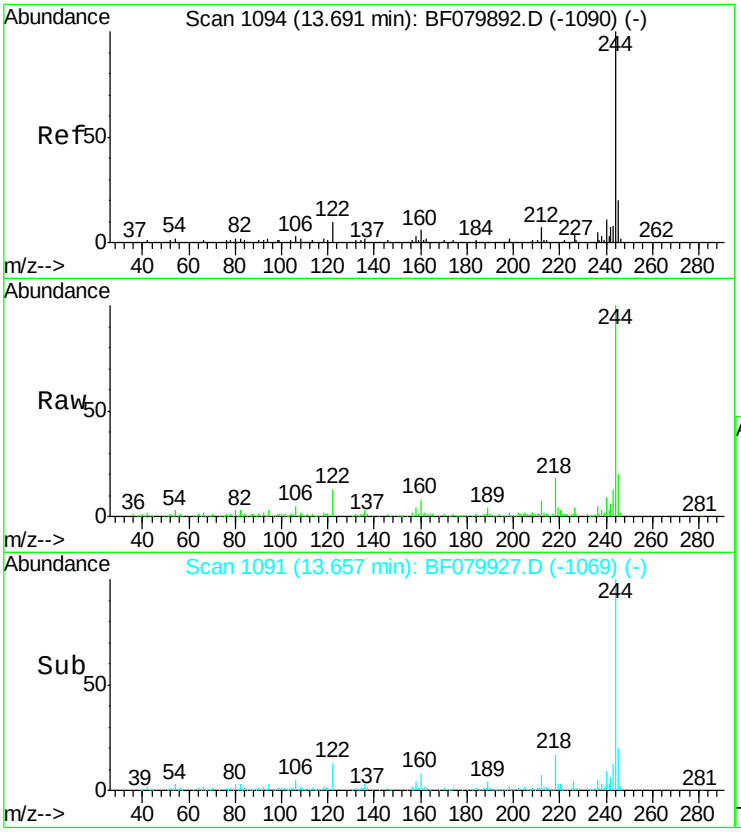


#77
Pyrene
Concen: 73.99 ng
RT: 13.52 min Scan# 1079
Delta R.T. 0.05 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:202 Resp: 1349967

Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.8	25.2
203	18.9	14.4	21.6

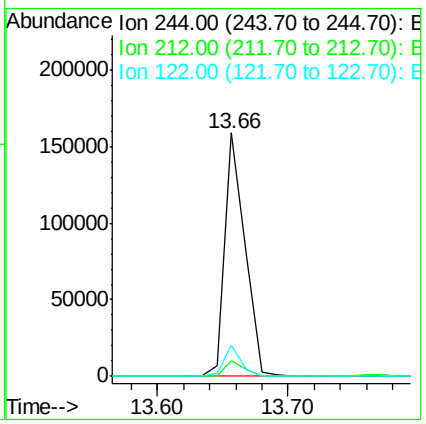




#78
Terphenyl-d14
Concen: 13.47 ng
RT: 13.66 min Scan# 1091
Delta R.T. 0.05 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

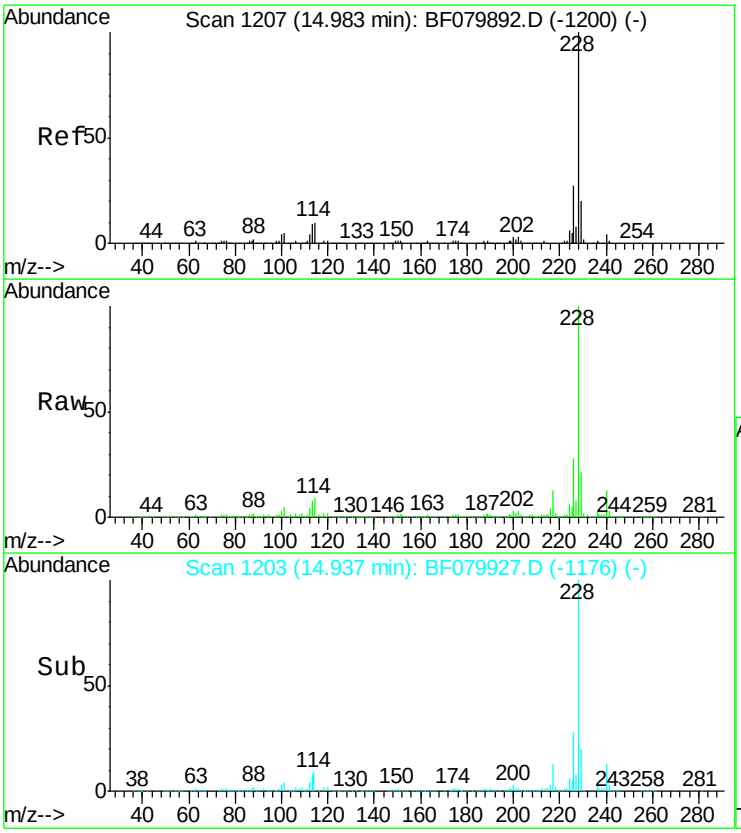
Tgt Ion:244 Resp: 169757

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	12.9	7.8	11.8#



Instrument :
BNA_F
ClientSampleId :
FM3

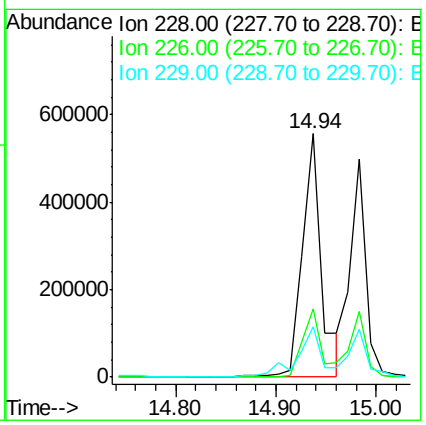
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

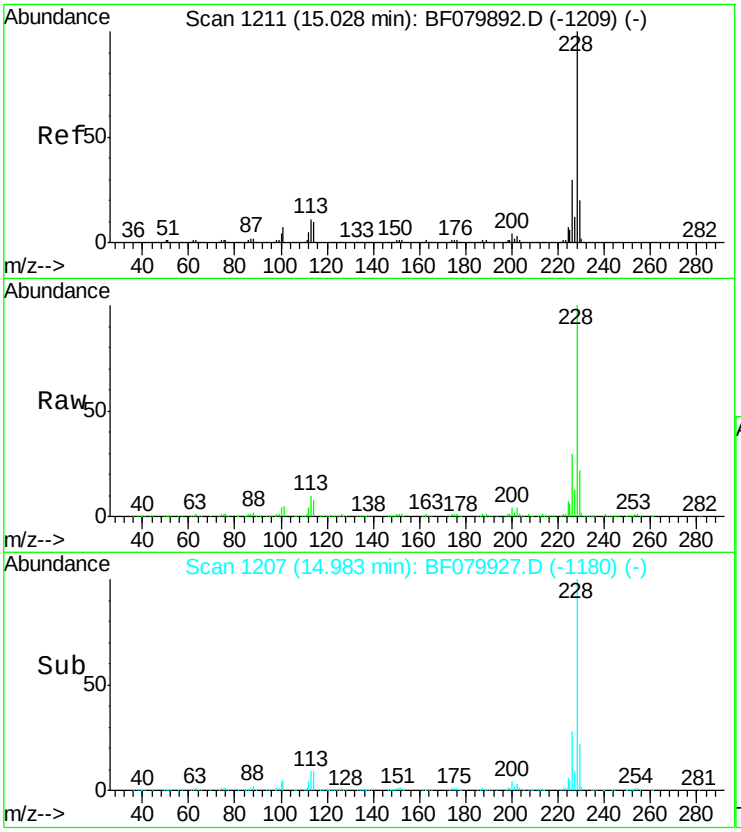


#80
Benzo(a)anthracene
Concen: 39.59 ng
RT: 14.94 min Scan# 1203
Delta R.T. 0.10 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:228 Resp: 730322

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.7	15.9	23.9

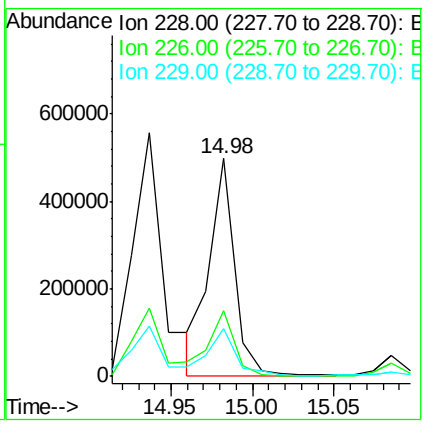




#82
Chrysene
Concen: 32.95 ng
RT: 14.98 min Scan# 1207
Delta R.T. 0.10 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

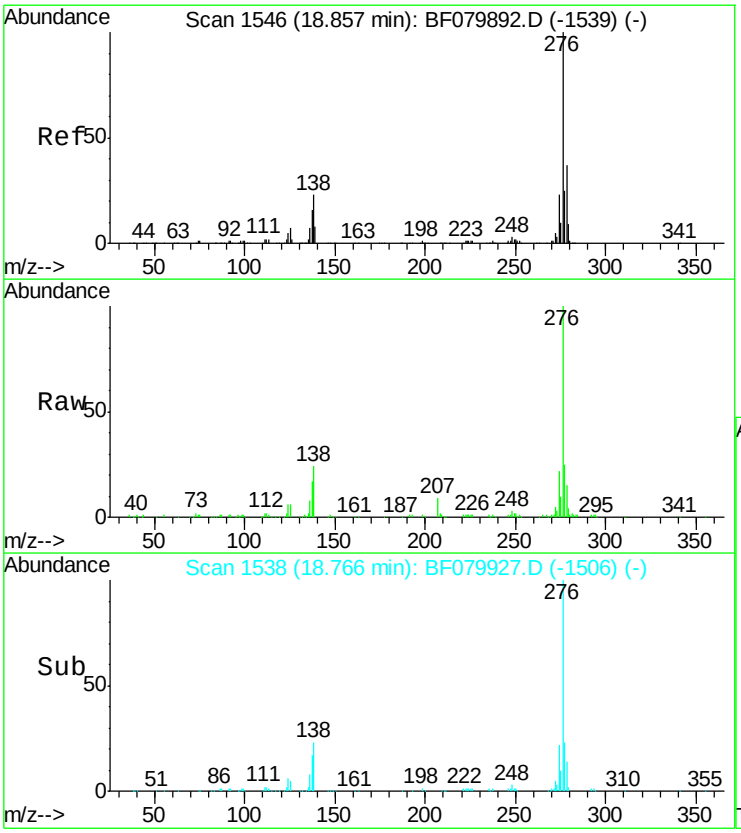
Tgt Ion:228 Resp: 542828

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.2	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
FM3

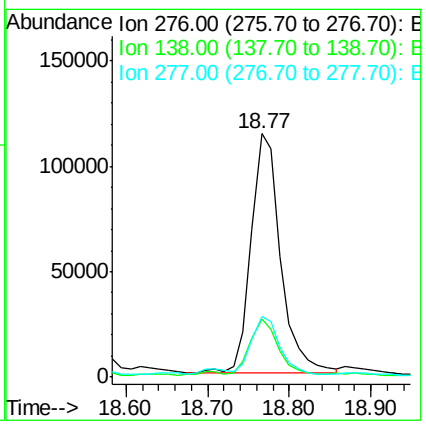
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

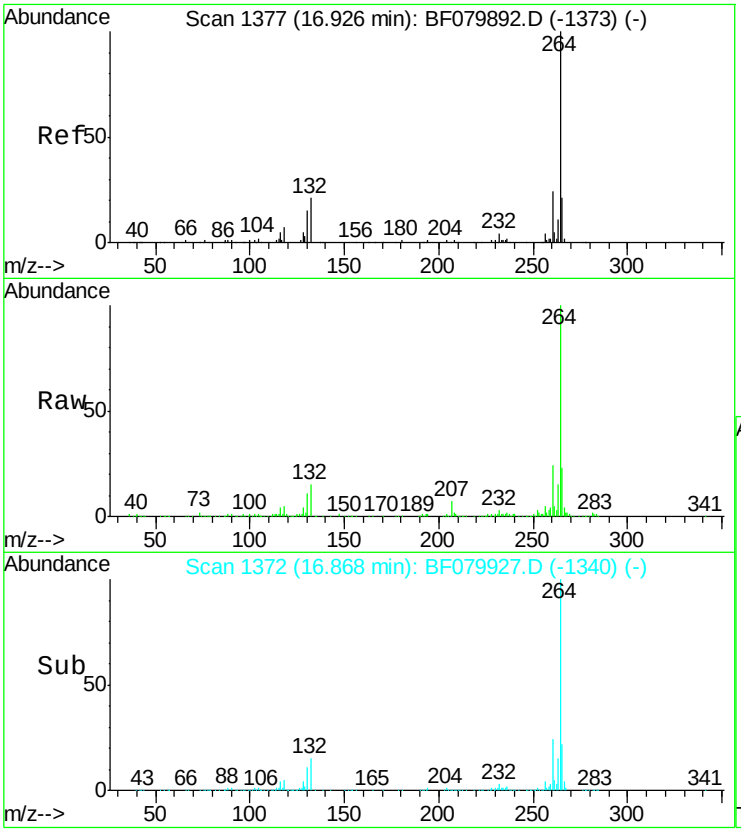


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.95 ng
RT: 18.77 min Scan# 1538
Delta R.T. 0.16 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:276 Resp: 288844

Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.0	31.4
277	22.2	19.9	29.9





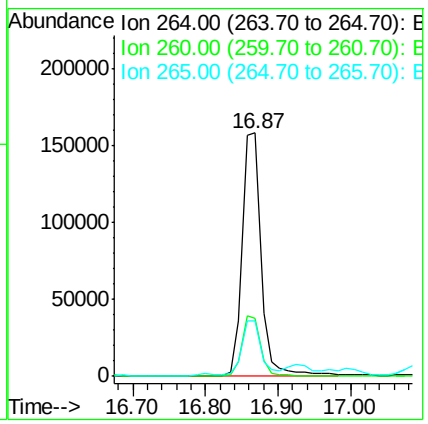
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.87 min Scan# 1372
Delta R.T. 0.16 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

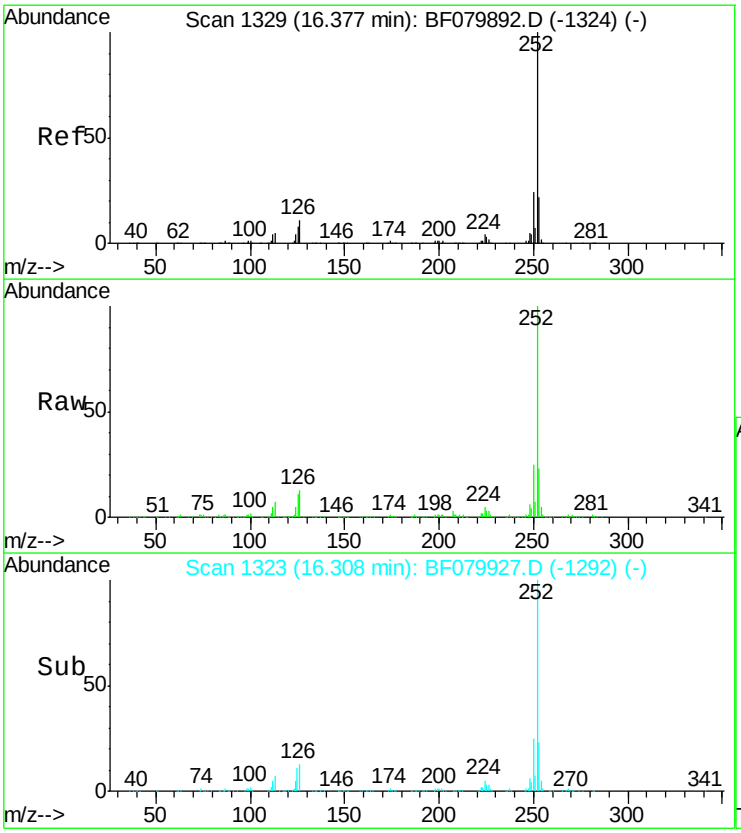
Tgt Ion:264 Resp: 292484

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.8	17.0	25.6

Instrument :
BNA_F
ClientSampleId :
FM3

Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

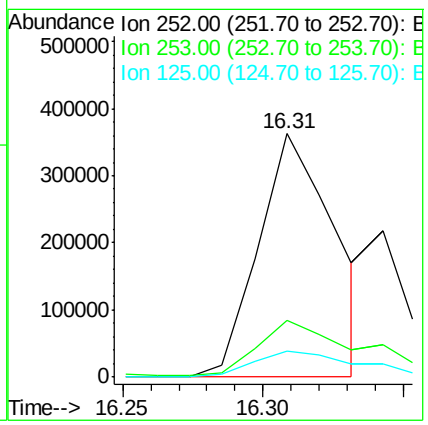


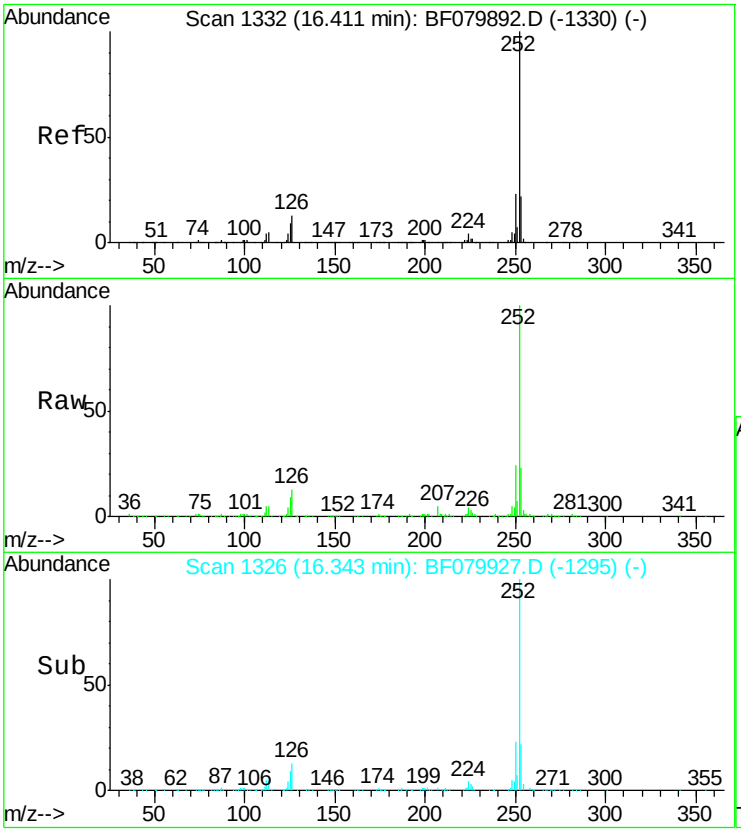


#87
Benzo(b)fluoranthene
Concen: 38.14 ng m
RT: 16.31 min Scan# 1323
Delta R.T. 0.15 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:252 Resp: 683446

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.6	6.5	9.7#

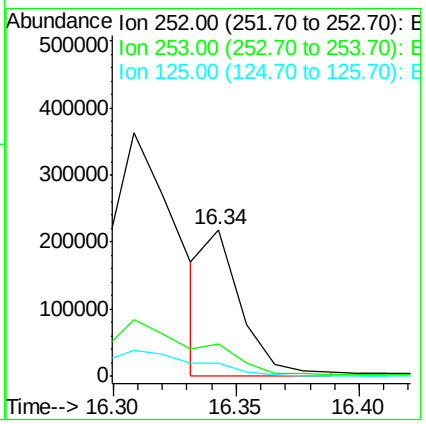




#88
Benzo(k)fluoranthene
Concen: 12.29 ng m
RT: 16.34 min Scan# 1326
Delta R.T. 0.15 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

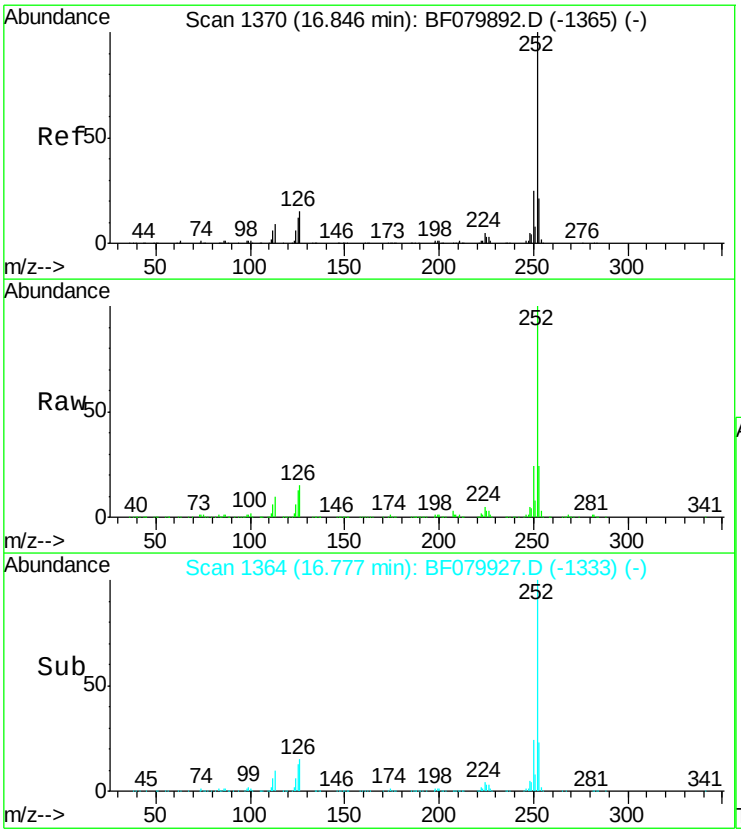
Tgt Ion:252 Resp: 224604

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	9.4	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
FM3

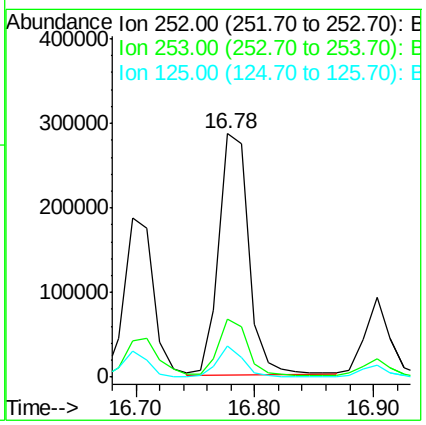
Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM

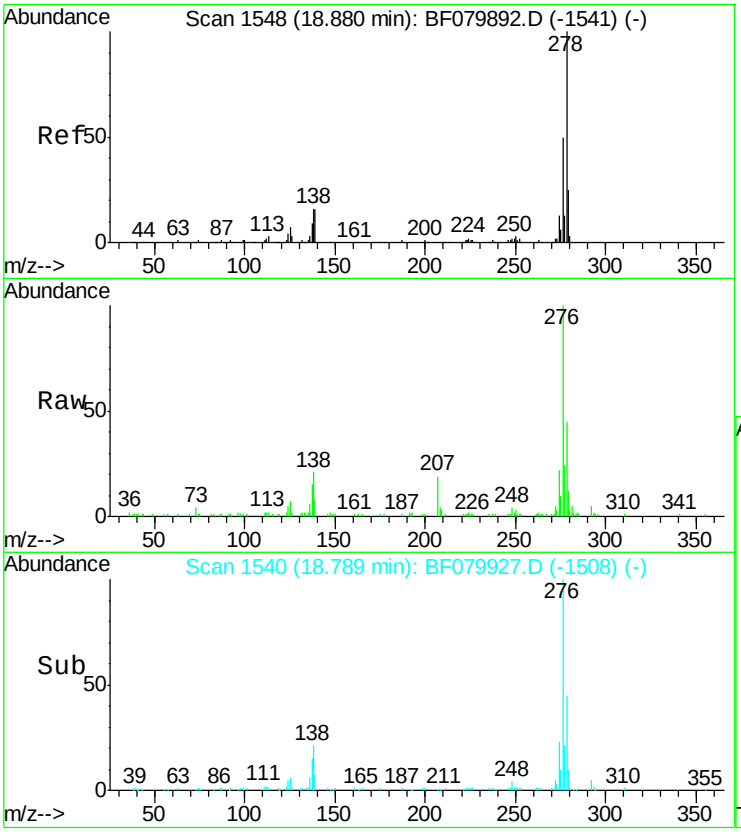


#89
Benzo(a)pyrene
Concen: 29.38 ng
RT: 16.78 min Scan# 1364
Delta R.T. 0.15 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:252 Resp: 500696

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.8	9.7	14.5

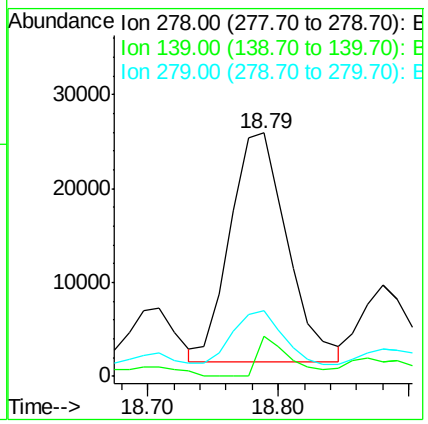




#90
Dibenzo(a,h)anthracene
Concen: 4.43 ng
RT: 18.79 min Scan# 1540
Delta R.T. 0.16 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

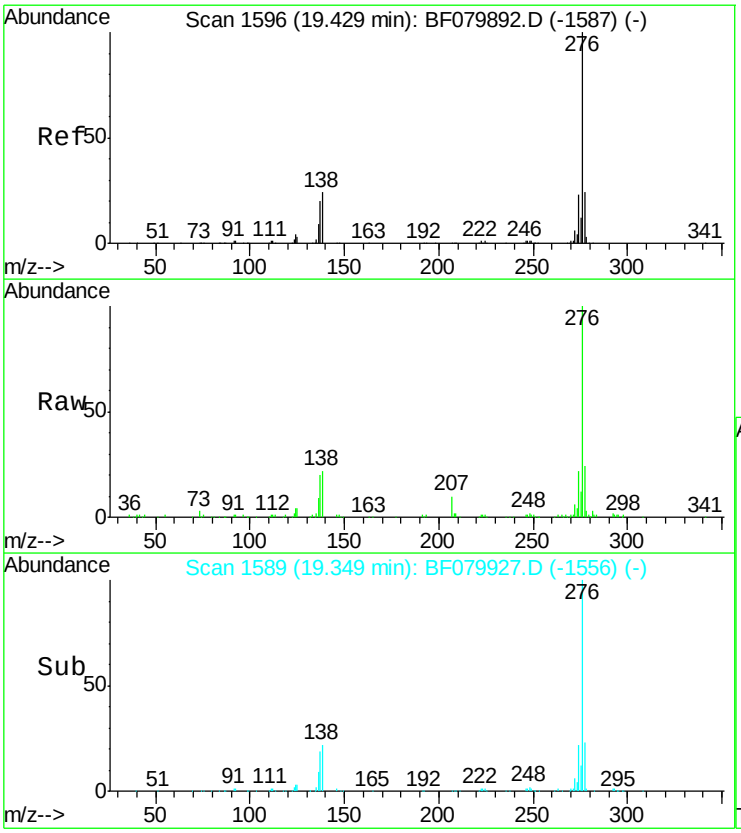
Tgt Ion:278 Resp: 74154

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.8	19.2
279	26.7	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
FM3

Manual Integrations APPROVED
apatel
6/13/2015 8:44:54 AM



#91
Benzo(g,h,i)perylene
Concen: 16.50 ng
RT: 19.35 min Scan# 1589
Delta R.T. 0.17 min
Lab File: BF079927.D
Acq: 12 Jun 2015 8:13

Tgt Ion:276 Resp: 286107

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	22.4	19.1	28.7