Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094049.D
Acq On : 30 Mar 2017 7:13
Operator : SJ/MA
Sample : I2443-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-S11-BASE

Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

Quant Time: Mar 30 07:39:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 27 16:10:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	169075	20.00	ng		-0.03
21) Naphthalene-d8	7.43	136	648856	20.00	ng		-0.03
38) Acenaphthene-d10	9.57	164	279597	20.00	ng		-0.03
63) Phenanthrene-d10	11.39	188	437657	20.00	ng		-0.03
75) Chrysene-d12	14.65	240	302082	20.00	ng		-0.03
86) Perylene-d12	16.29	264	261489	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.47	112	1202892	120.17	ng		0.00
7) Phenol-d6	5.53	99	1543545	124.64	ng		-0.02
23) Nitrobenzene-d5	6.57	82	787293	69.24	ng		-0.04
41) 2,4,6-Tribromophenol	10.55	330	212732	96.28	ng		-0.03
44) 2-Fluorobiphenyl	8.75	172	1603918	87.50	ng		-0.03
78) Terphenyl-d14	13.37	244	940411	69.78	ng		-0.03
Target Compounds							Qvalue
10) Phenol	5.55	94	28435	2.02	ng		99
31) Naphthalene	7.45	128	287453	9.21	ng		99
37) 2-Methylnaphthalene	8.29	142	189402	9.11	ng		99
48) Acenaphthylene	9.39	152	257506	8.78	ng		98
49) Dimethylphthalate	9.25	163	148700	7.48	ng		97
54) Dibenzofuran	9.82	168	83364	3.58	ng		97
70) Phenanthrene	11.42	178	373711	15.35	ng		97
71) Anthracene	11.48	178	192885	7.69	ng		99
74) Fluoranthene	12.89	202	745950	29.92	ng		99
77) Pyrene	13.17	202	761192	34.72	ng		98
80) Benzo(a)anthracene	14.64	228	442007m	25.09	ng		
82) Chrysene	14.68	228	460608	28.18	ng		96
83) Bis(2-ethylhexyl)phthalate	14.70	149	26099	2.05	ng	#	97
85) Indeno(1,2,3-cd)pyrene	17.65	276	267227	18.88	ng		94
87) Benzo(b)fluoranthene	15.88	252	759040m	47.36	ng		
88) Benzo(k)fluoranthene	15.90	252	217435m	13.86	ng		
89) Benzo(a)pyrene	16.23	252	427868	28.99	ng		96
90) Dibenzo(a,h)anthracene	17.66	278	68180	5.45	ng	#	91
91) Benzo(g,h,i)perylene	18.06	276	233213	18.51	ng		97

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

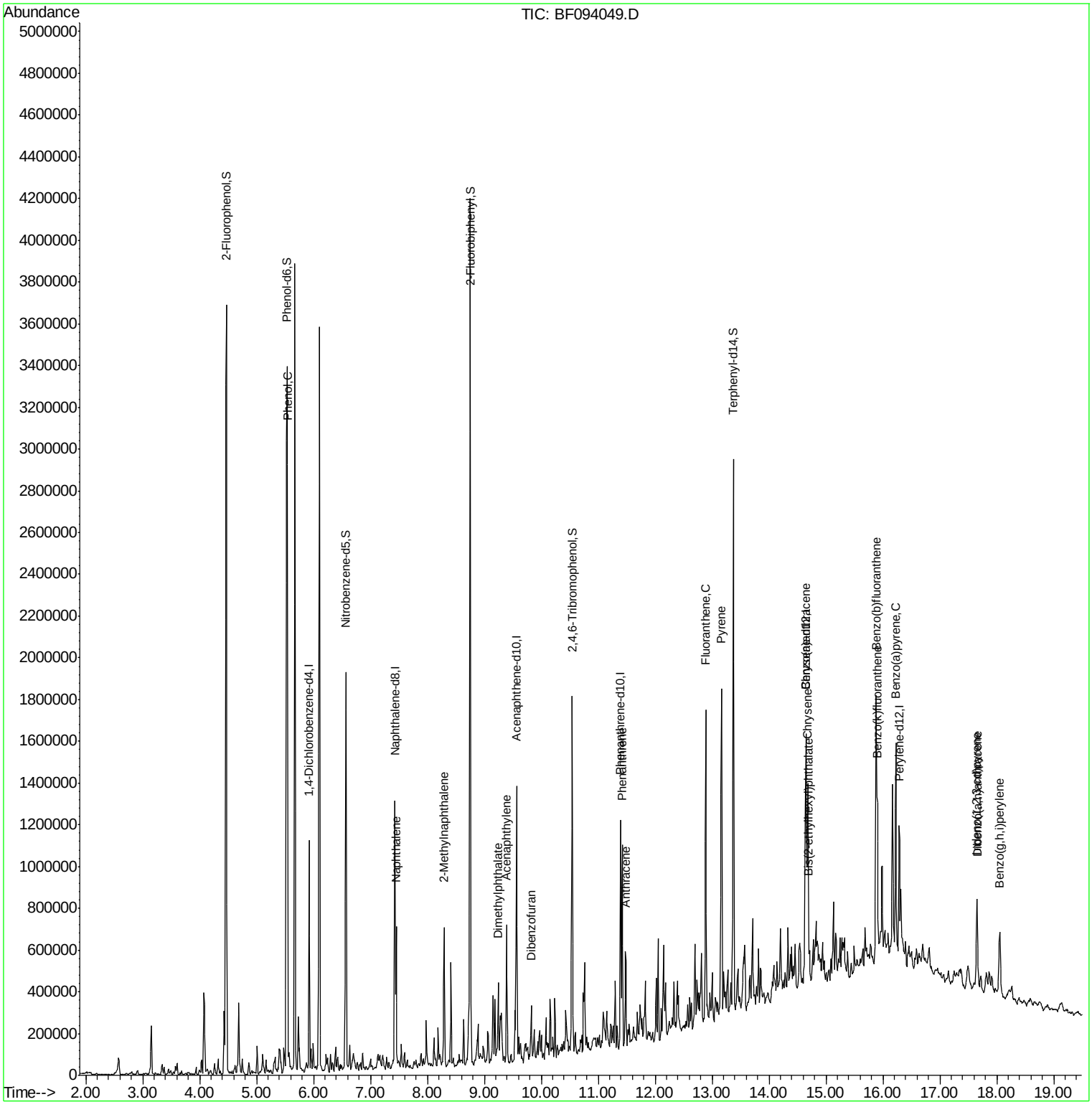
Quantitation Report (QT Reviewed)

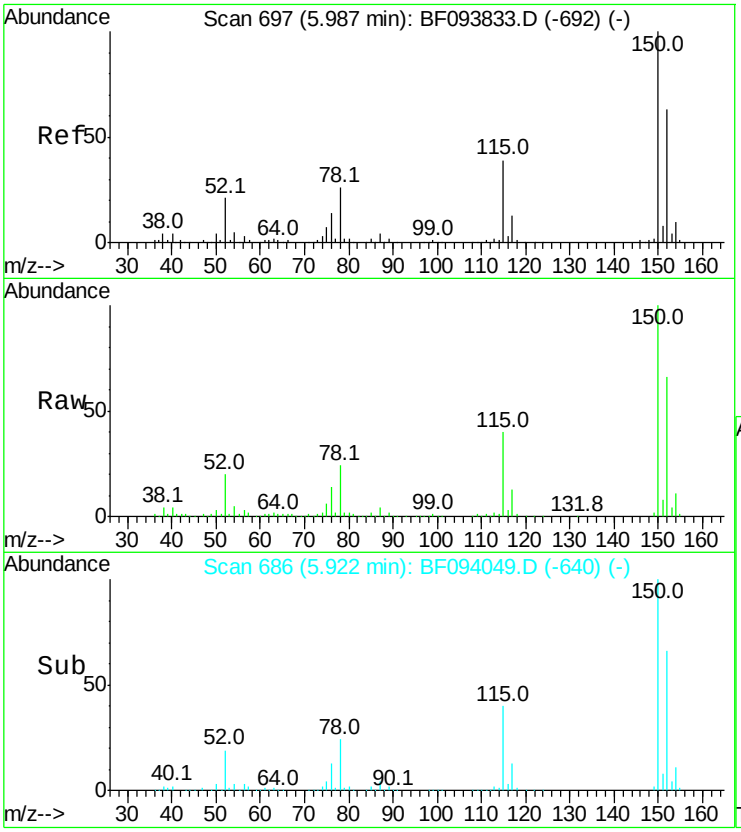
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094049.D
Acq On : 30 Mar 2017 7:13
Operator : SJ/MA
Sample : I2443-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 30 07:39:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 27 16:10:49 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

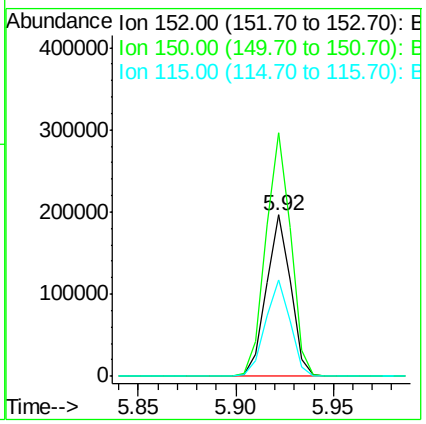




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

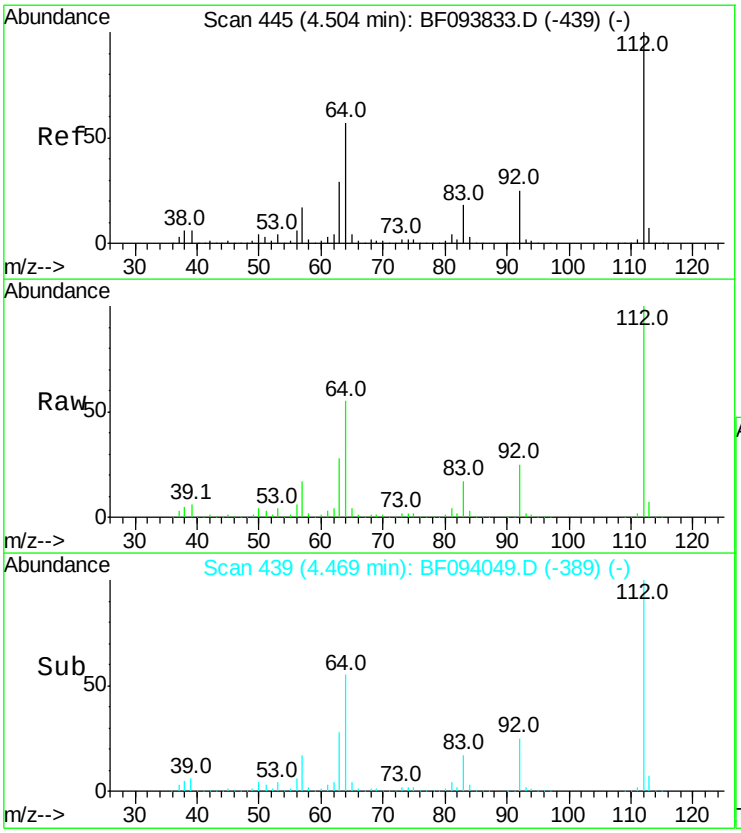
Tgt Ion:152 Resp: 169075

Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.2	189.2
115	59.8	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

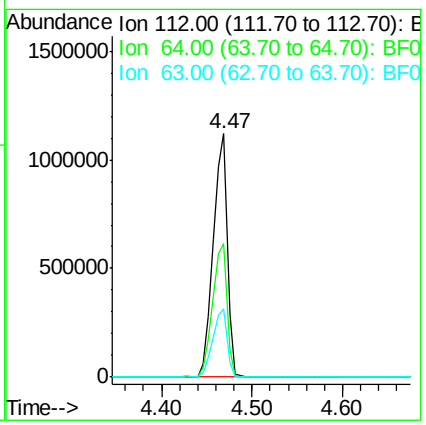
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

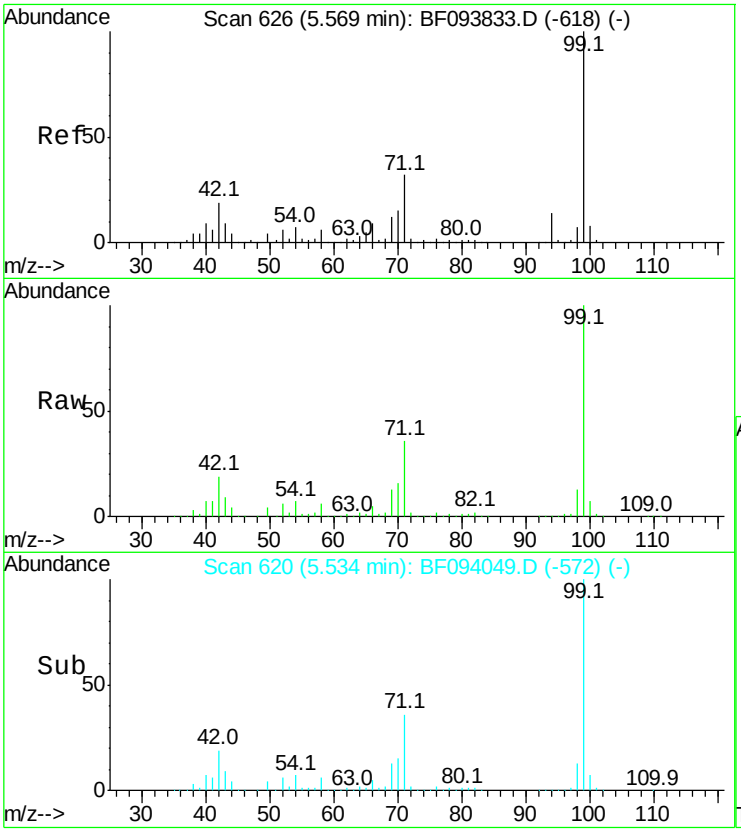


#5
2-Fluorophenol
Concen: 120.17 ng
RT: 4.47 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:112 Resp: 1202892

Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	28.0	23.4	35.0

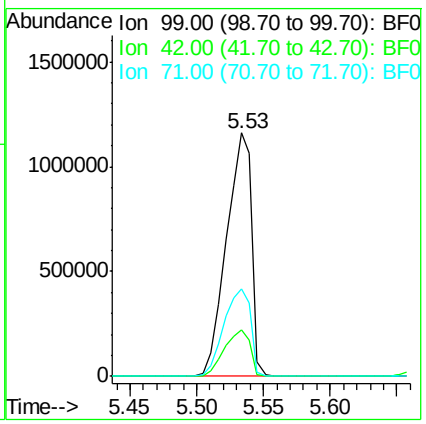




#7
Phenol-d6
Concen: 124.64 ng
RT: 5.53 min Scan# 620
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

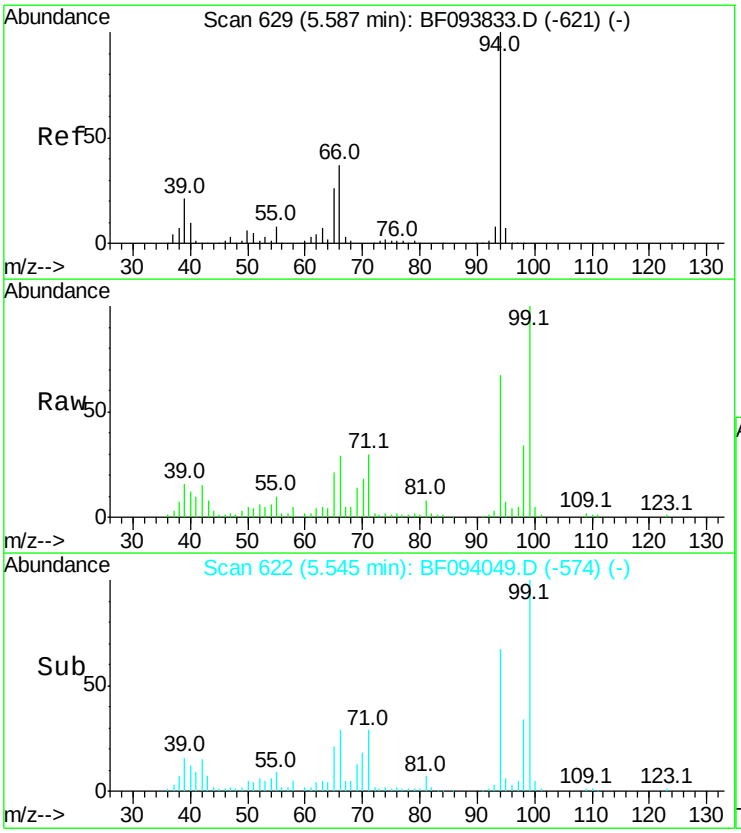
Tgt Ion: 99 Resp: 1543545

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.5	20.3
71	36.0	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

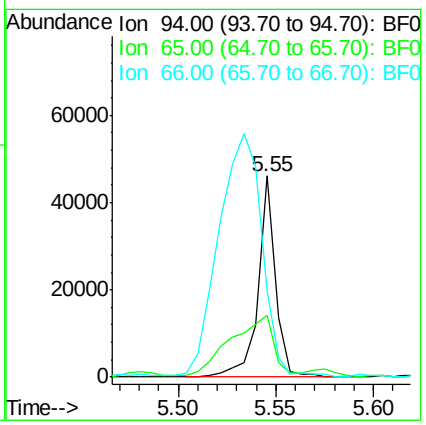
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

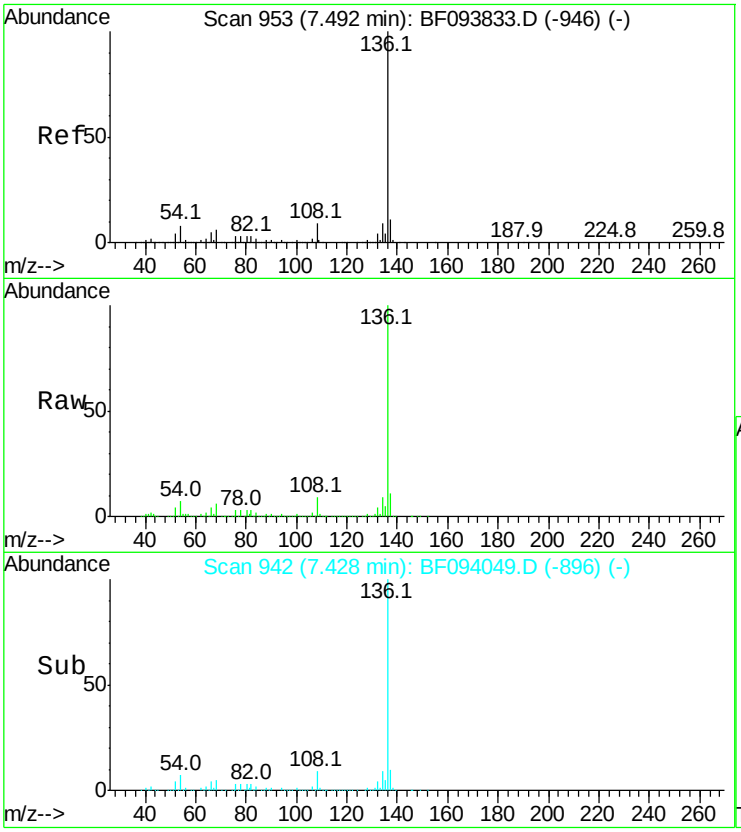


#10
Phenol
Concen: 2.02 ng
RT: 5.55 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion: 94 Resp: 28435

Ion	Ratio	Lower	Upper
94	100		
65	30.8	9.9	49.9
66	43.1	23.1	63.1

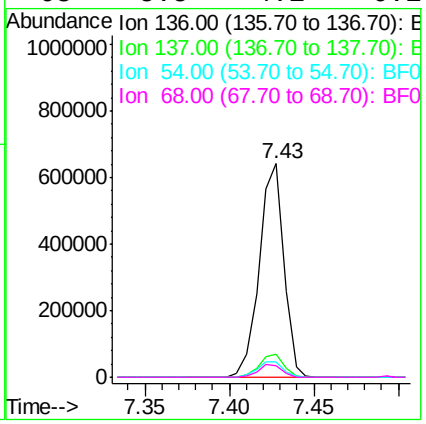




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

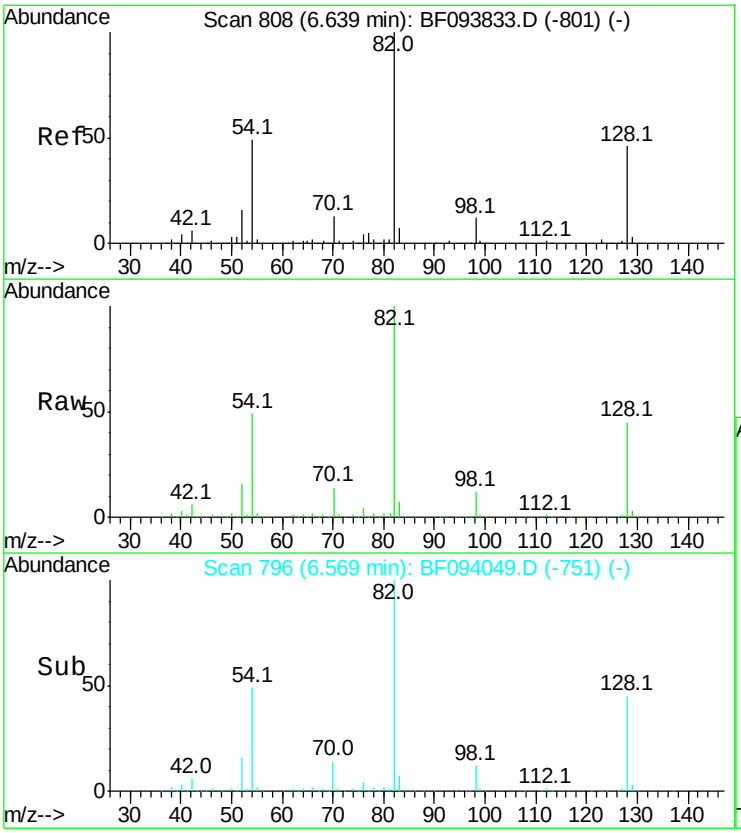
Tgt Ion:136 Resp: 648856

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.9	4.9	7.3
68	5.5	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

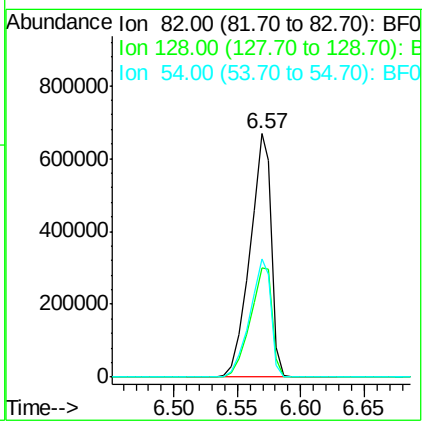
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

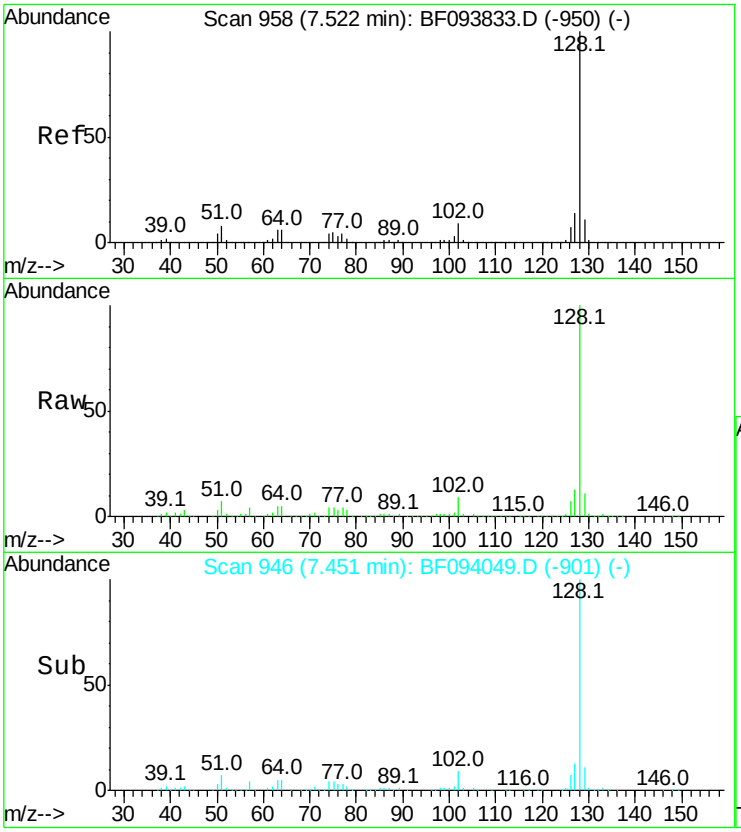


#23
Nitrobenzene-d5
Concen: 69.24 ng
RT: 6.57 min Scan# 796
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion: 82 Resp: 787293

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	48.8	42.2	63.2

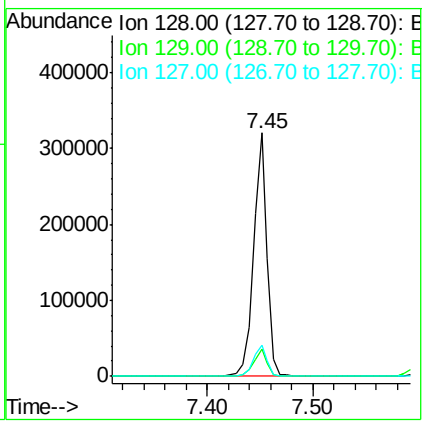




#31
Naphthalene
Concen: 9.21 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

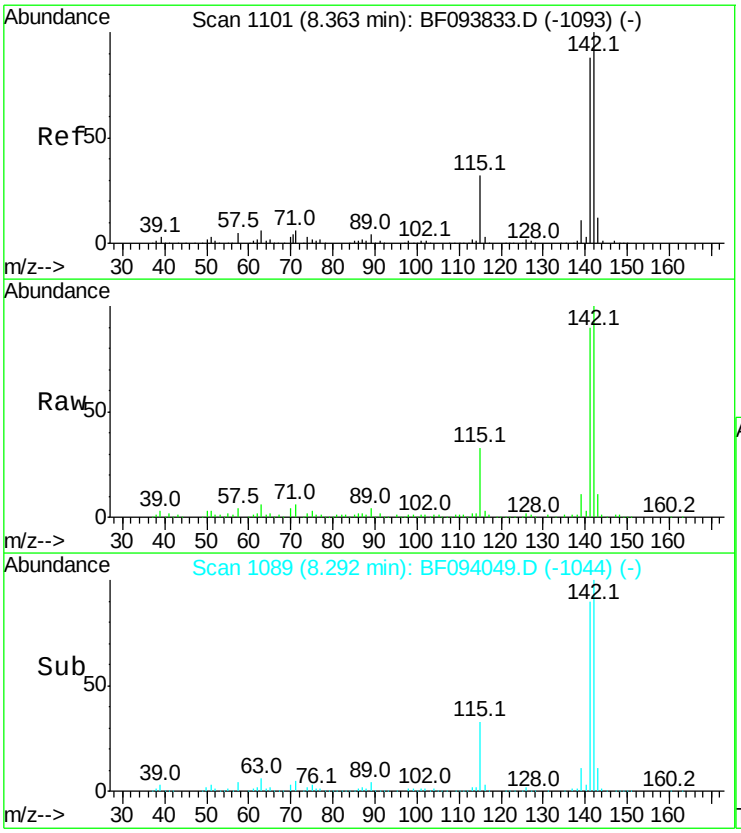
Tgt Ion:128 Resp: 287453

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

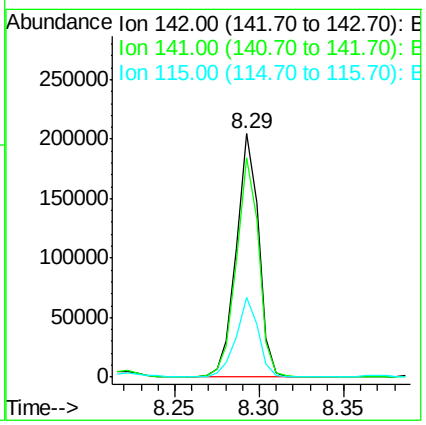
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

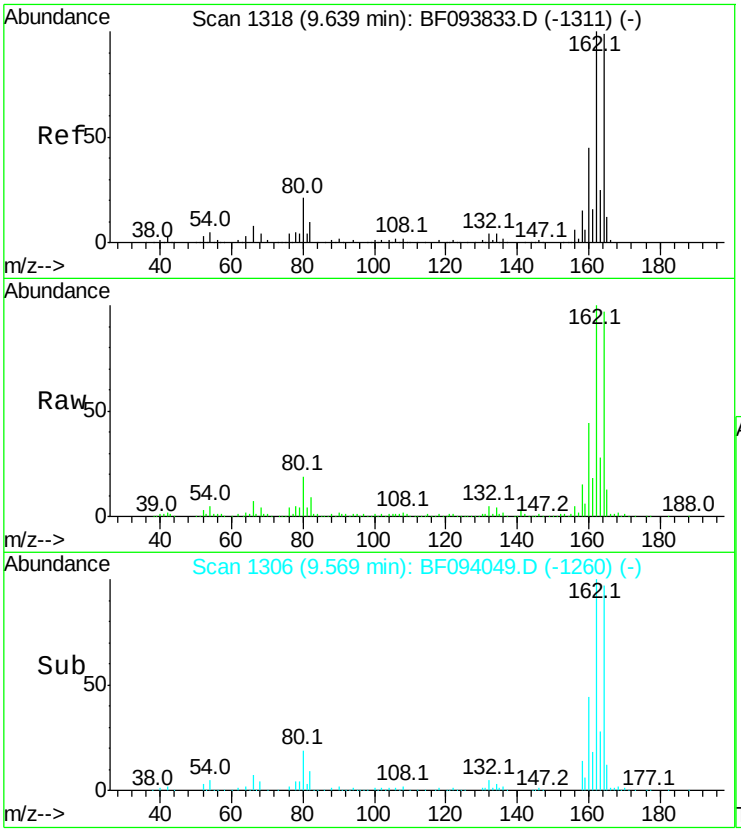


#37
2-Methylnaphthalene
Concen: 9.11 ng
RT: 8.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:142 Resp: 189402

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	32.8	27.1	40.7

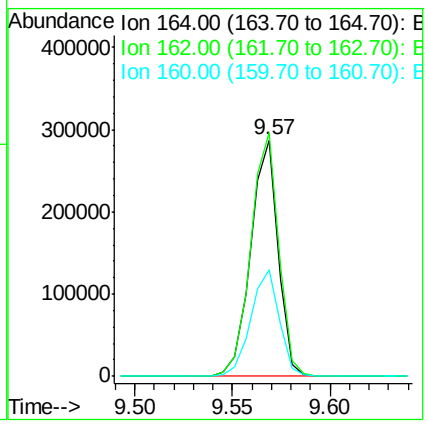




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

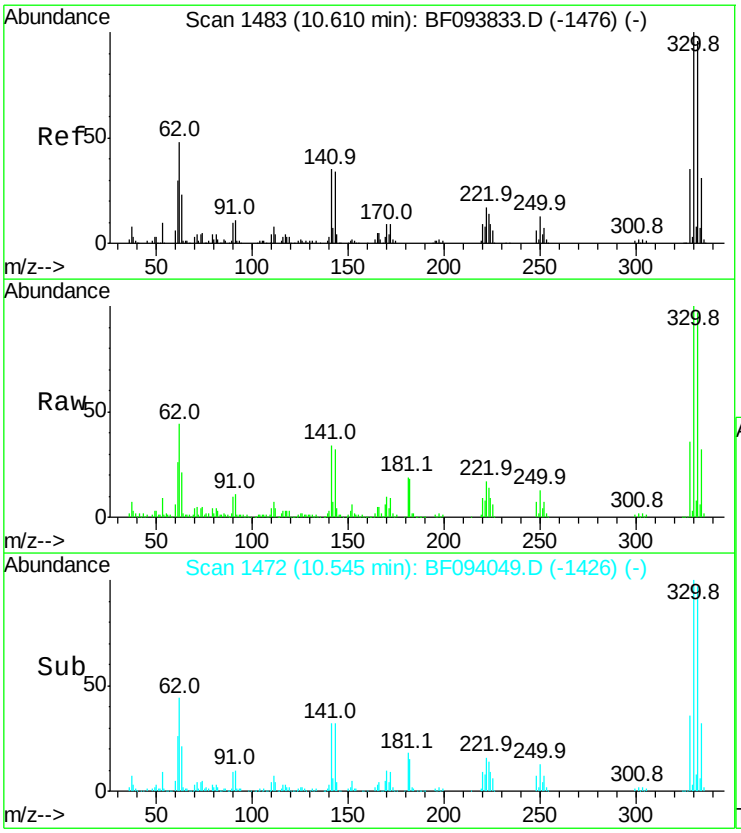
Tgt Ion:164 Resp: 279597

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.3	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

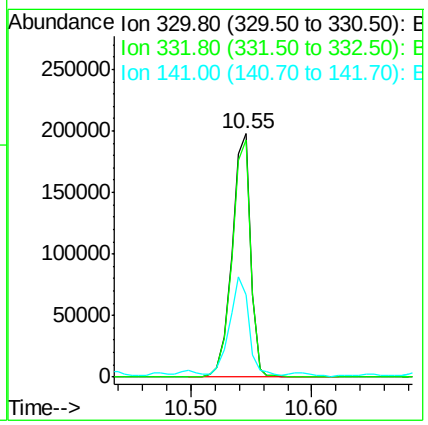
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

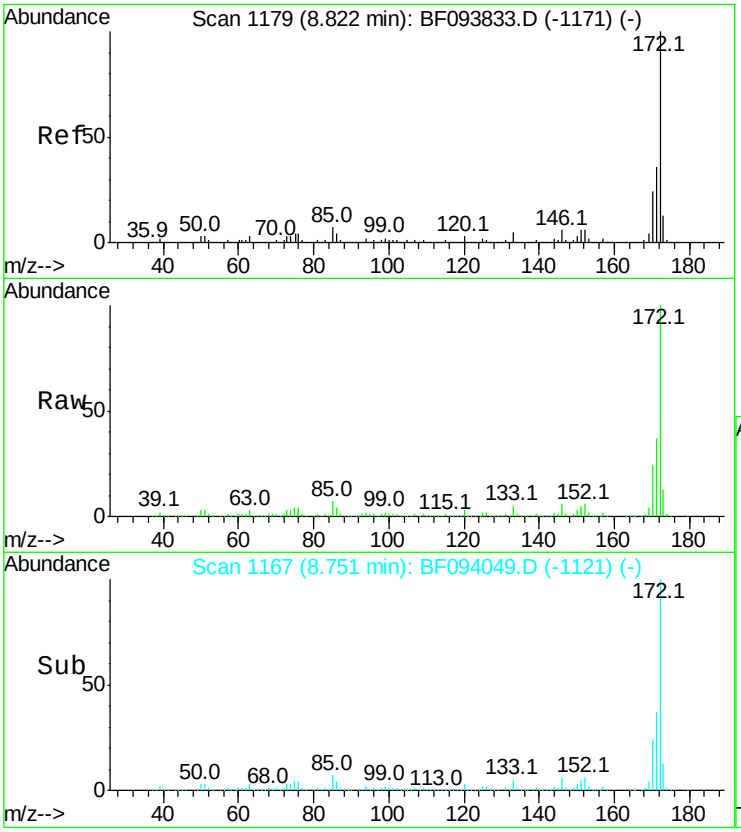


#41
2,4,6-Tribromophenol
Concen: 96.28 ng
RT: 10.55 min Scan# 1472
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:330 Resp: 212732

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	41.1	31.4	47.2

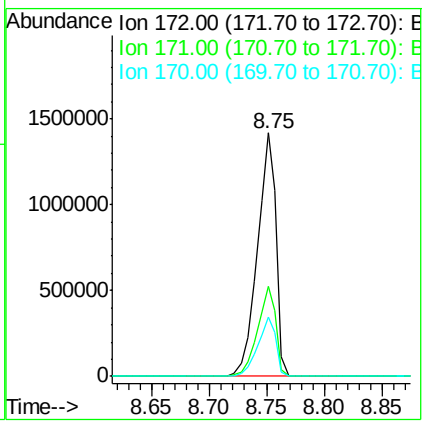




#44
2-Fluorobiphenyl
Concen: 87.50 ng
RT: 8.75 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

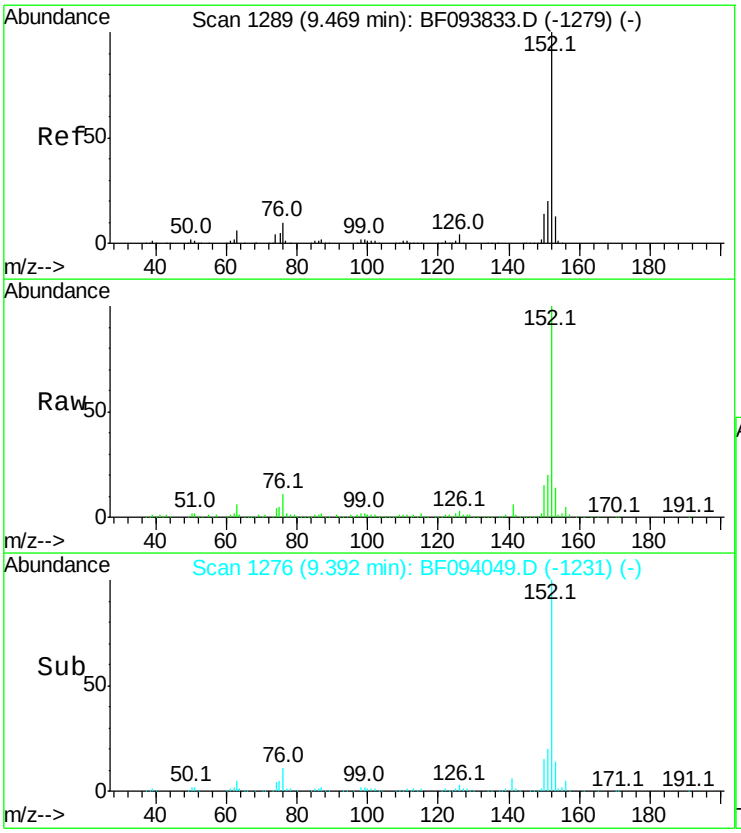
Tgt Ion:172 Resp: 1603918

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.2	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

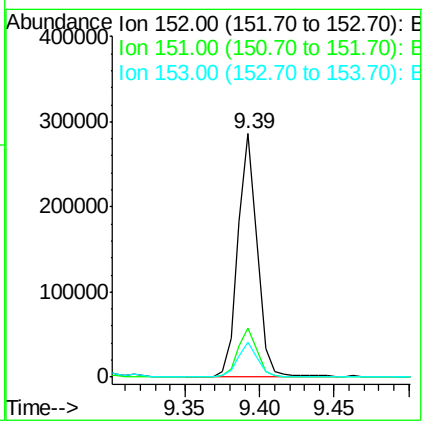
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

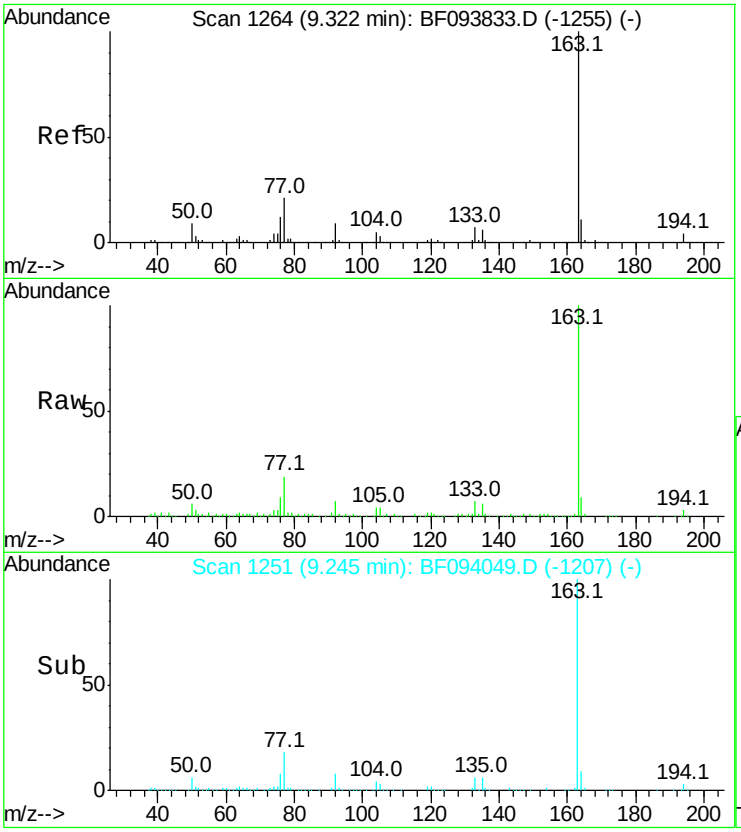


#48
Acenaphthylene
Concen: 8.78 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:152 Resp: 257506

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	14.3	10.8	16.2

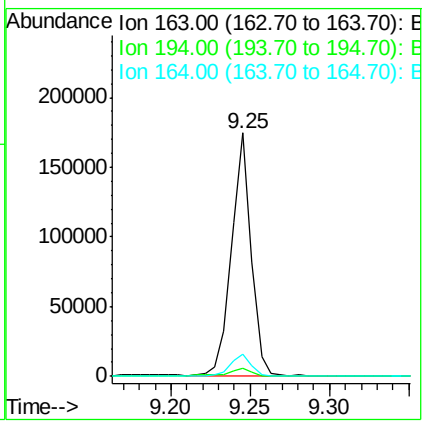




#49
Dimethylphthalate
Concen: 7.48 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

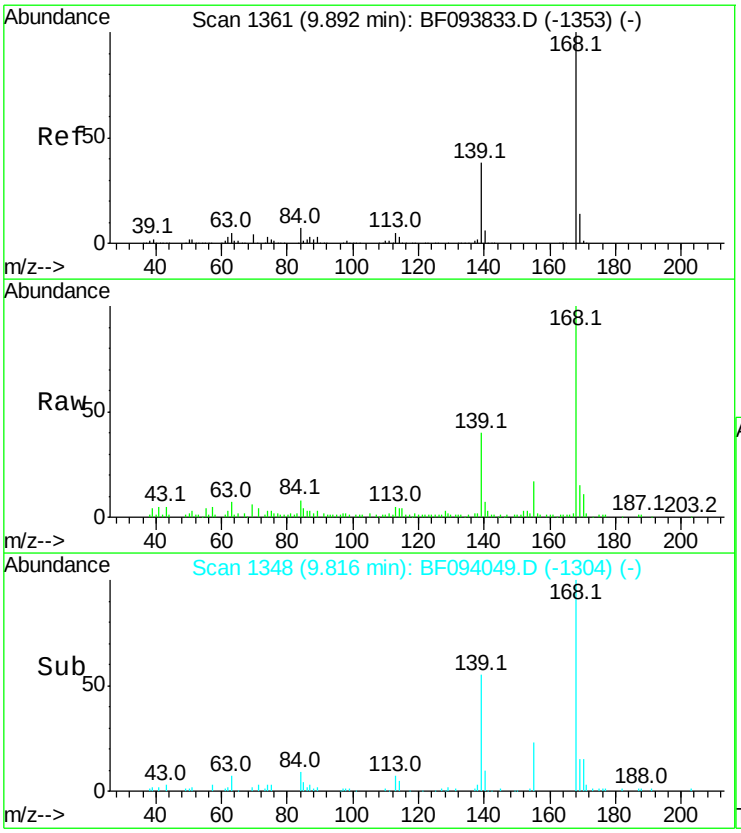
Tgt Ion:163 Resp: 148700

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.1	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

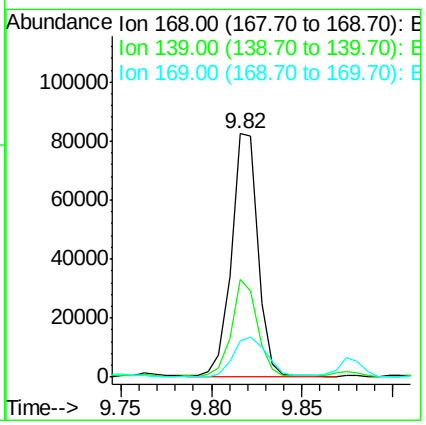
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

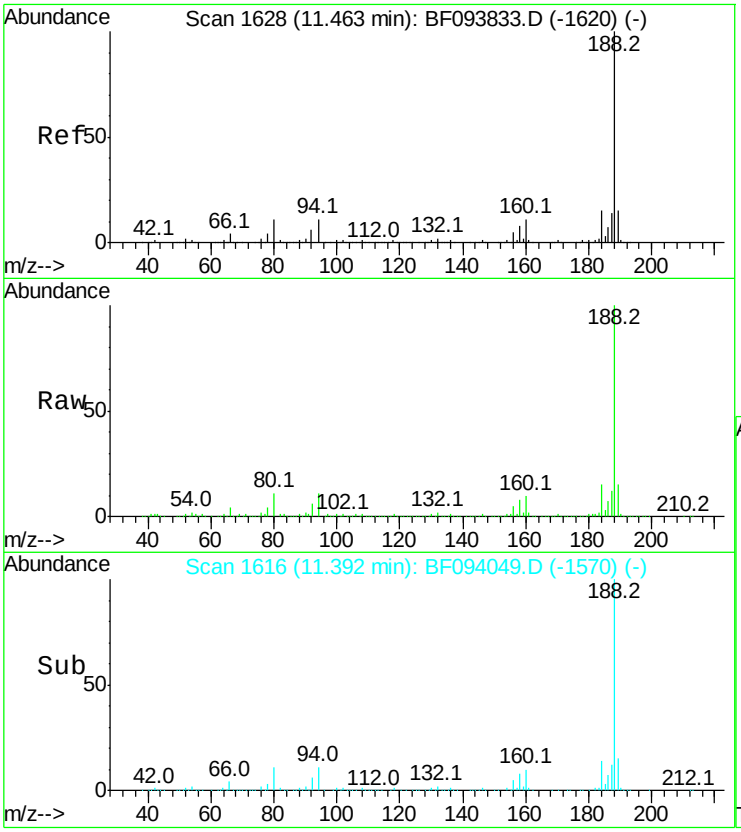


#54
Dibenzofuran
Concen: 3.58 ng
RT: 9.82 min Scan# 1348
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:168 Resp: 83364

Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.6	45.8
169	15.2	10.8	16.2

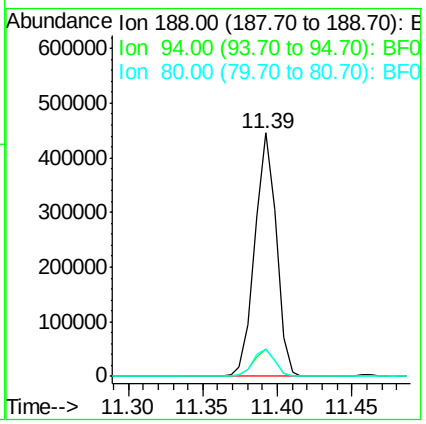




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

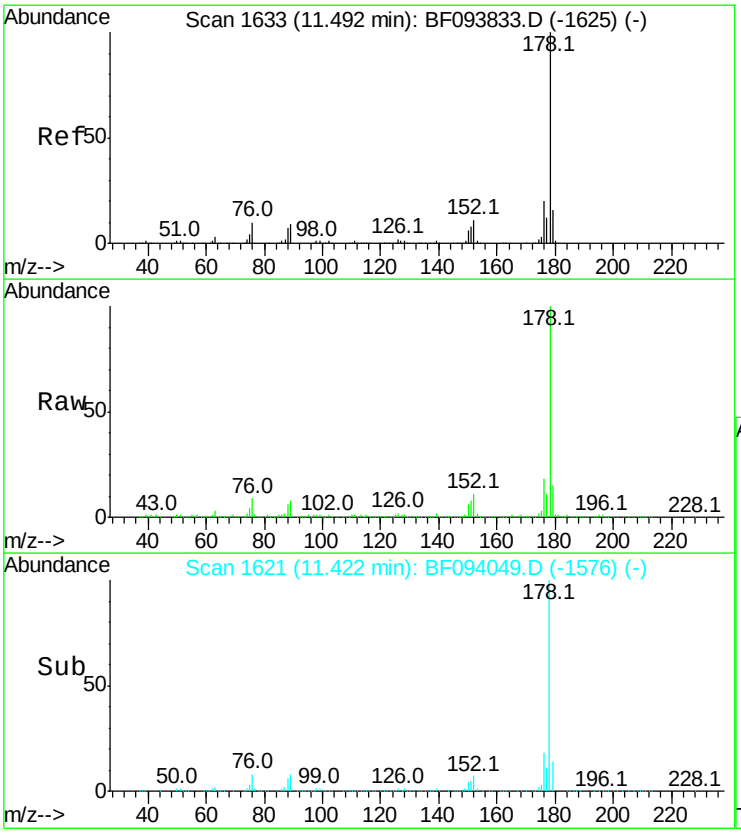
Tgt Ion:188 Resp: 437657

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.1	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

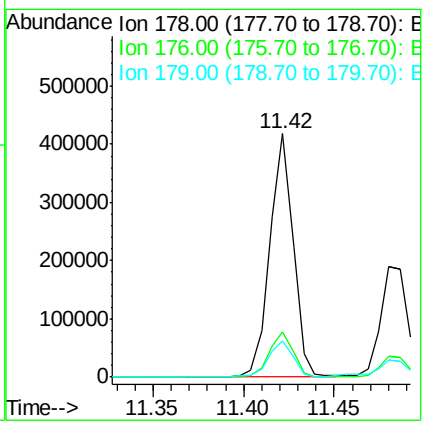
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

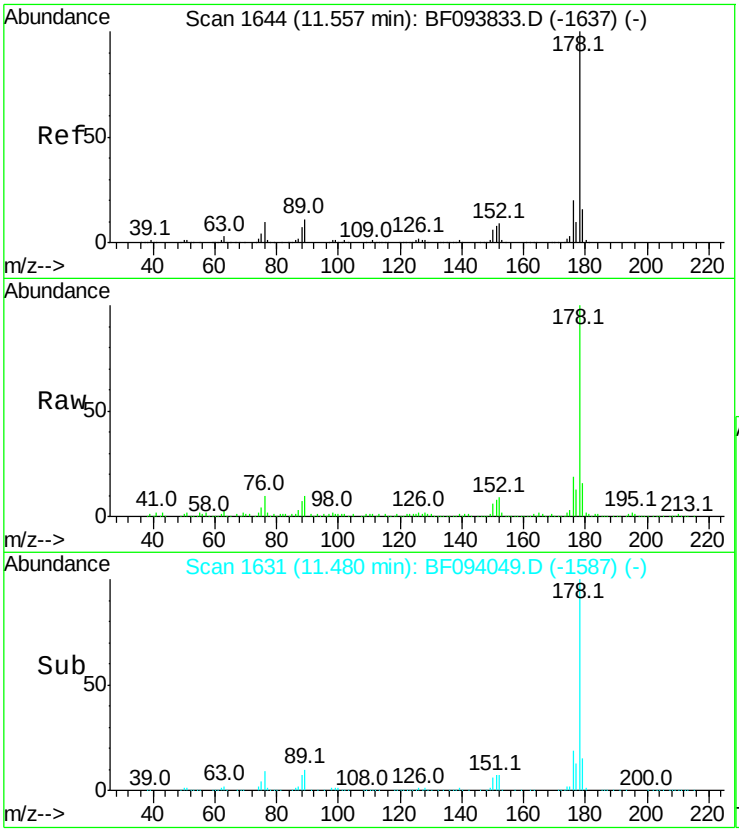


#70
Phenanthrene
Concen: 15.35 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:178 Resp: 373711

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	14.7	12.6	19.0

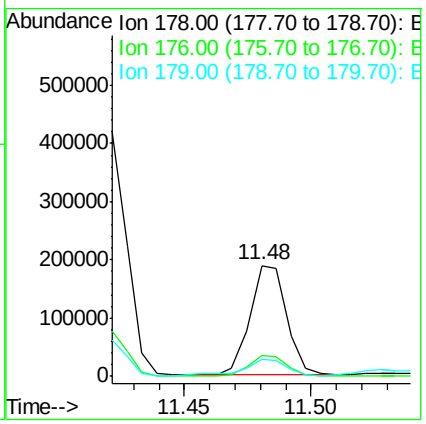




#71
Anthracene
Concen: 7.69 ng
RT: 11.48 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

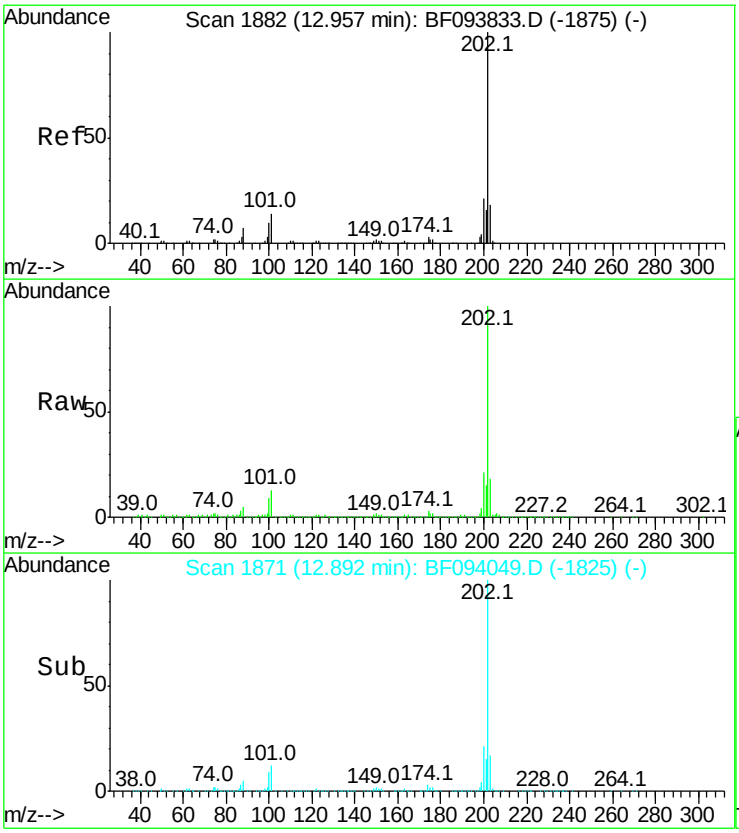
Tgt Ion:178 Resp: 192885

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

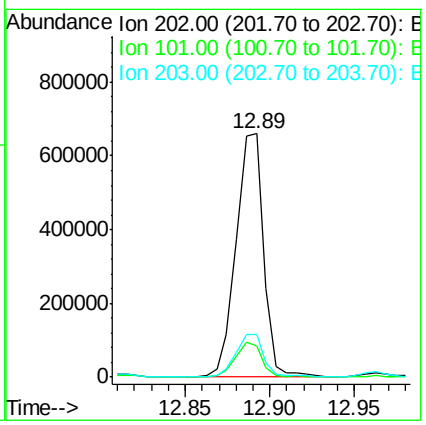
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

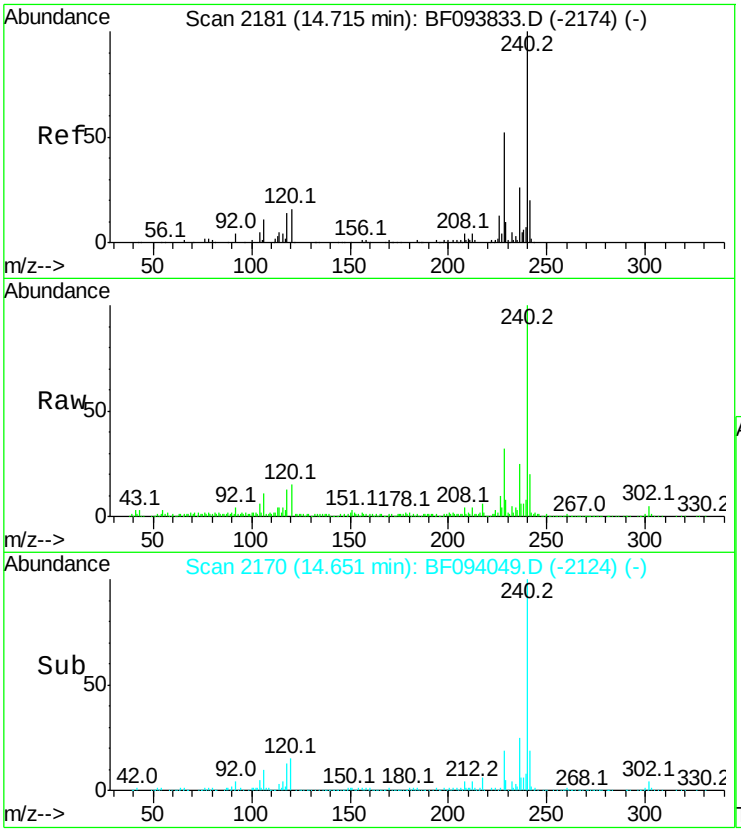


#74
Fluoranthene
Concen: 29.92 ng
RT: 12.89 min Scan# 1871
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:202 Resp: 745950

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	38.1

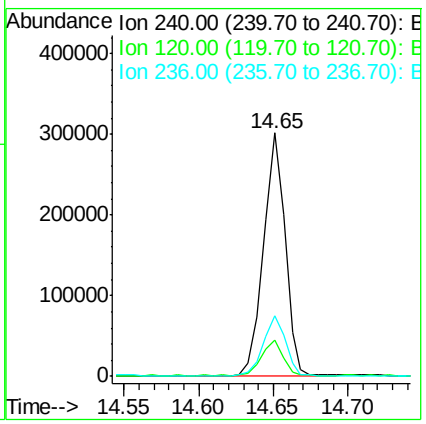




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

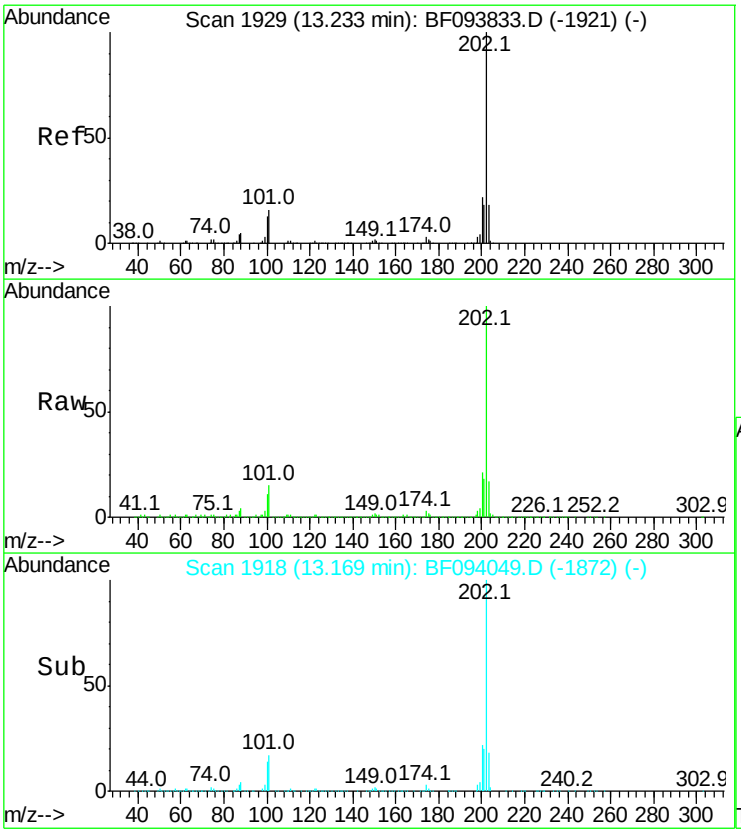
Tgt Ion:240 Resp: 302082

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.9	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

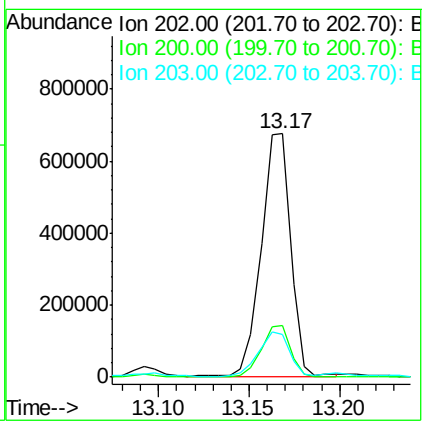
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

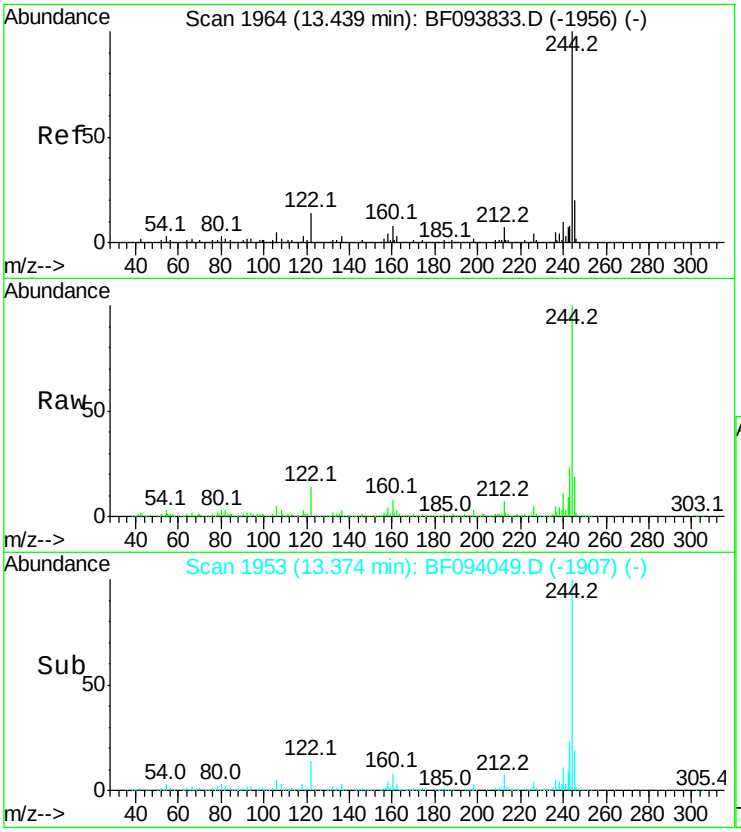


#77
Pyrene
Concen: 34.72 ng
RT: 13.17 min Scan# 1918
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:202 Resp: 761192

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.3	14.4	21.6

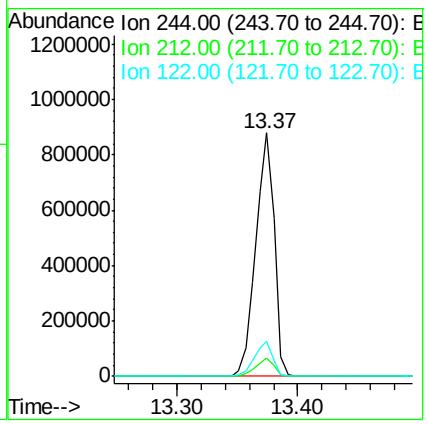




#78
Terphenyl-d14
Concen: 69.78 ng
RT: 13.37 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

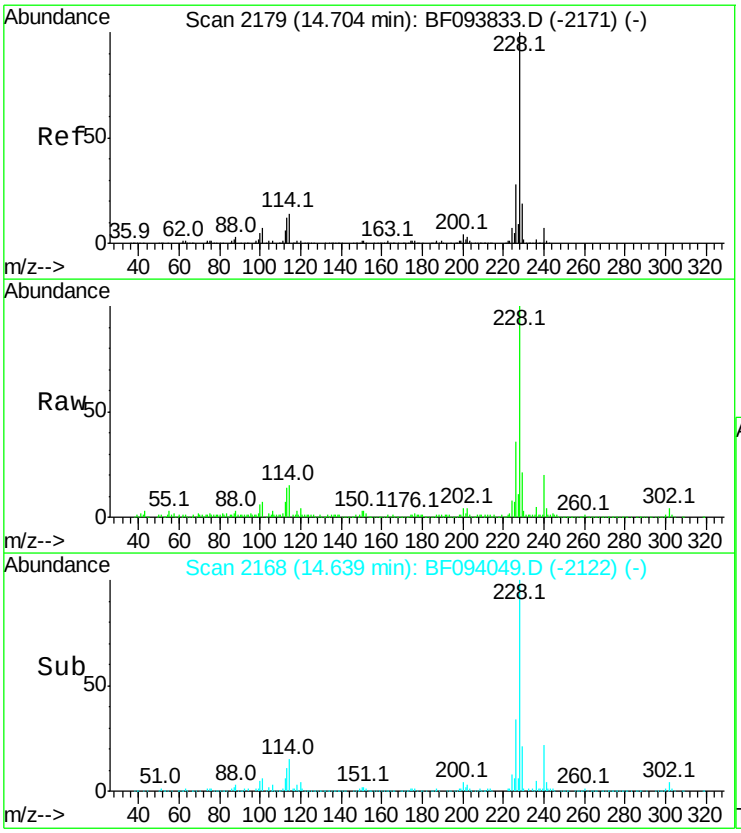
Tgt Ion:244 Resp: 940411

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

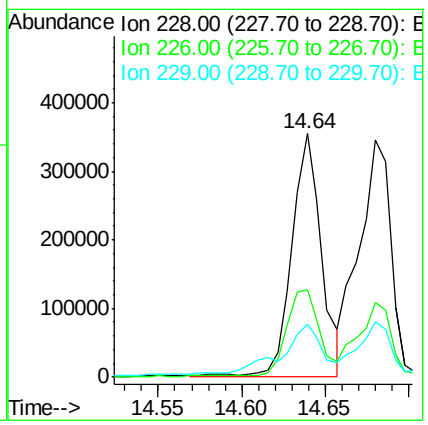
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

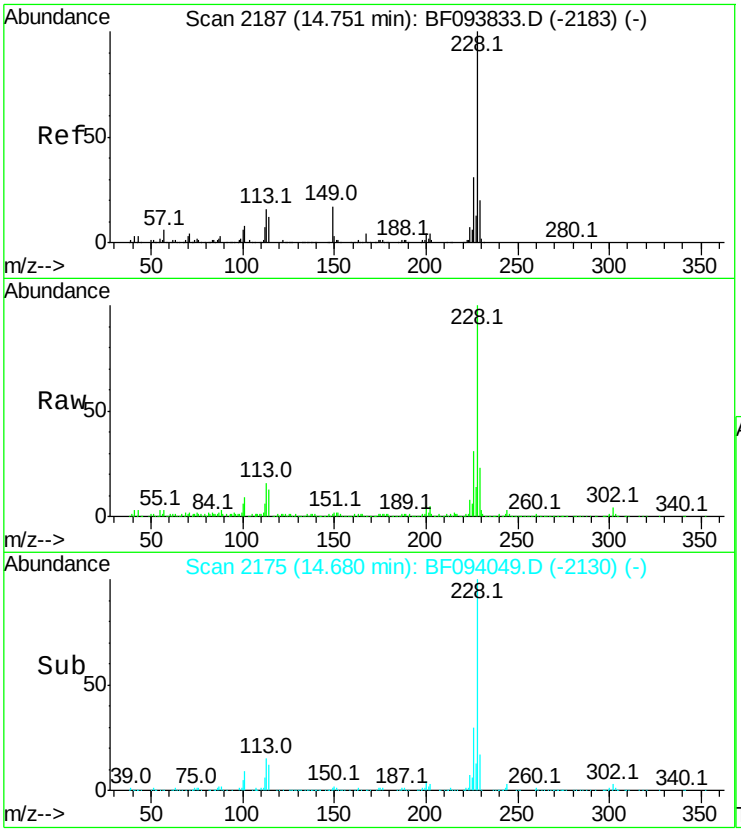


#80
Benzo(a)anthracene
Concen: 25.09 ng m
RT: 14.64 min Scan# 2168
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:228 Resp: 442007

Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	21.5	16.3	24.5





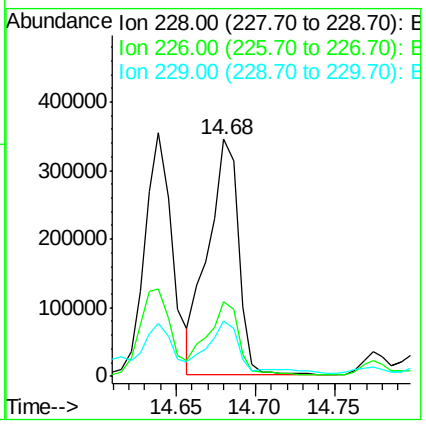
#82
Chrysene
Concen: 28.18 ng
RT: 14.68 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

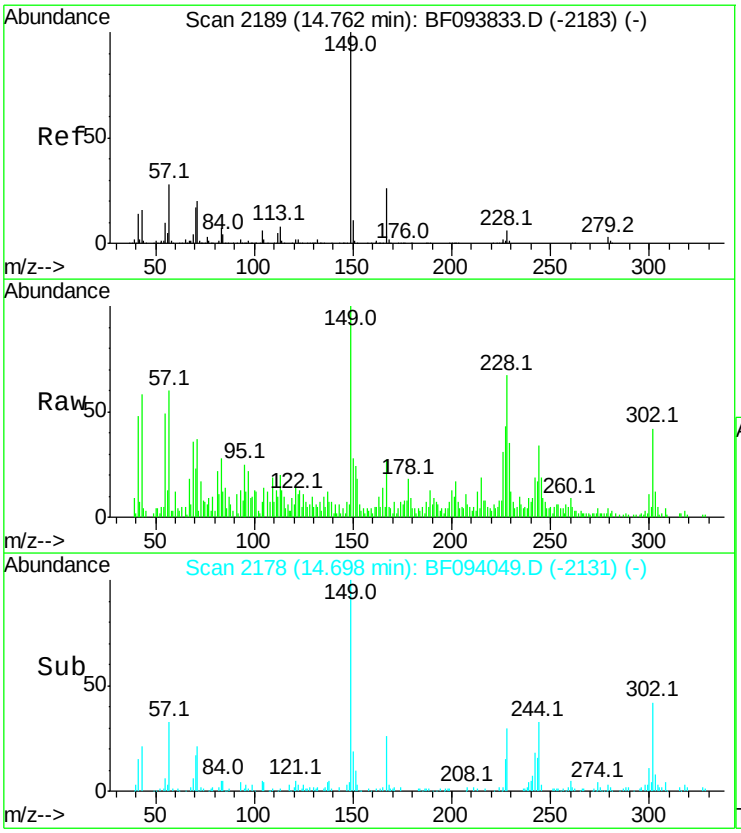
Tgt Ion:228 Resp: 460608

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.5	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

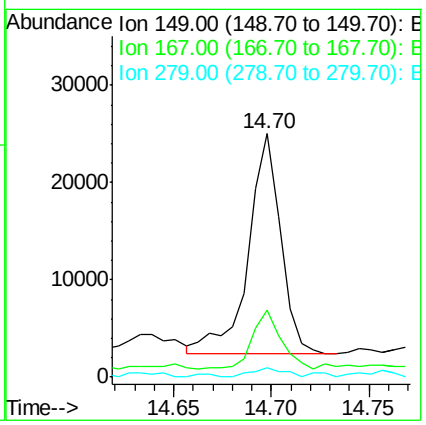


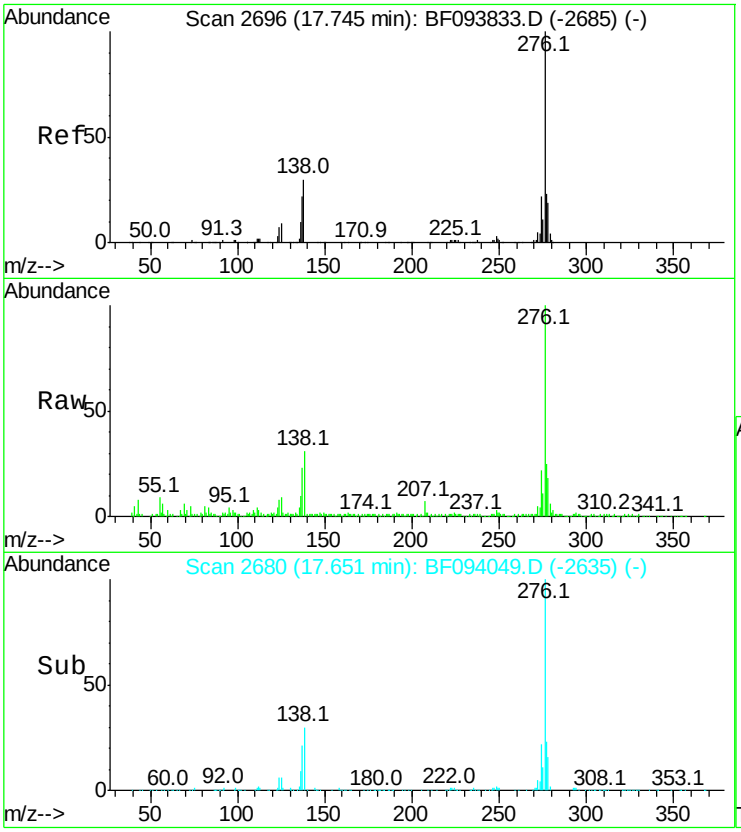


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.05 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:149 Resp: 26099

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.4
279	3.8	1.9	2.9#

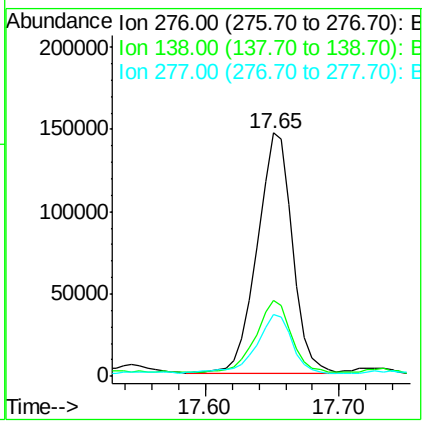




#85
Indeno(1,2,3-cd)pyrene
Concen: 18.88 ng
RT: 17.65 min Scan# 2680
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

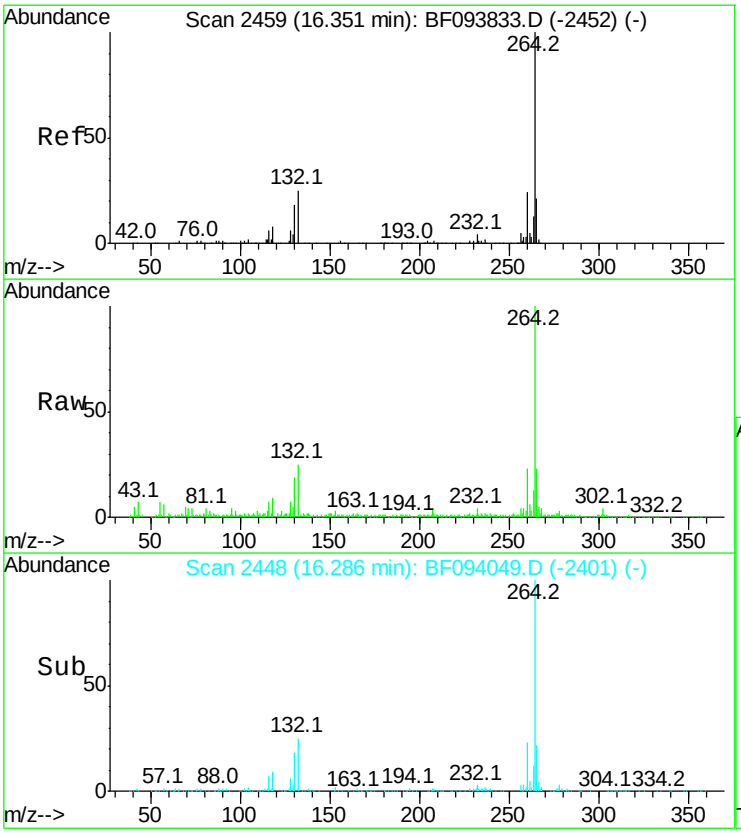
Tgt Ion:276 Resp: 267227

Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.8	41.6
277	26.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

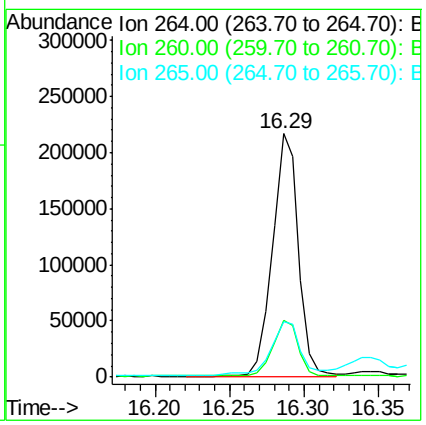
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

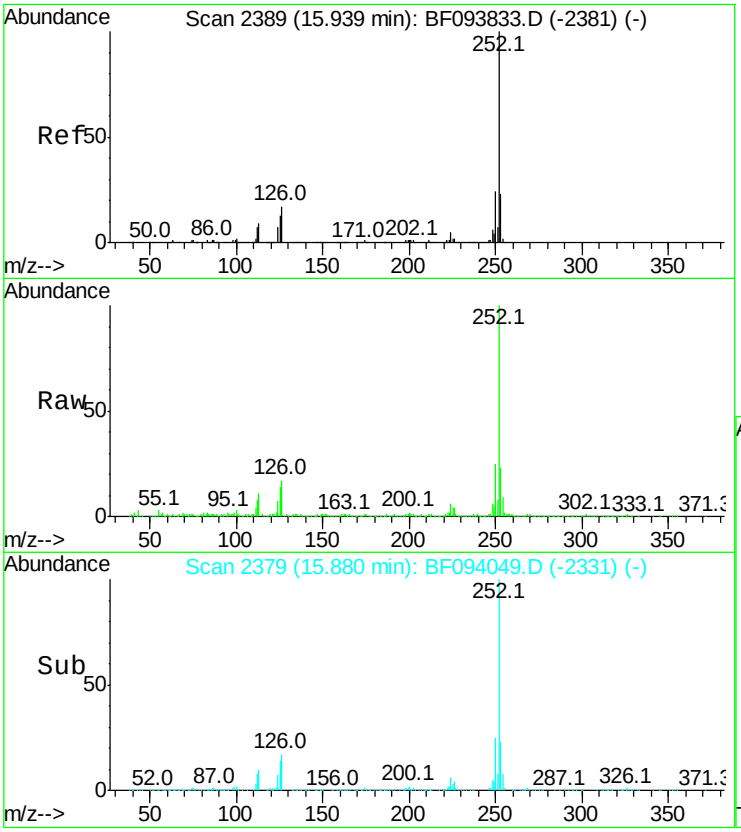


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:264 Resp: 261489

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.6	17.2	25.8

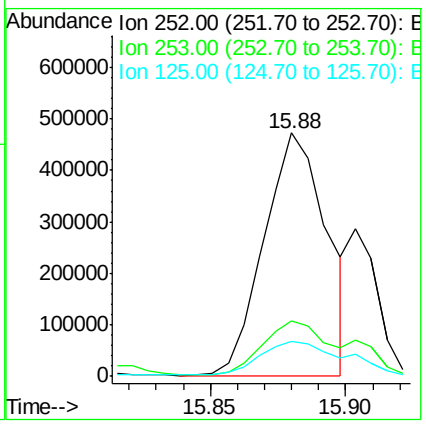




#87
Benzo(b)fluoranthene
Concen: 47.36 ng m
RT: 15.88 min Scan# 2379
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

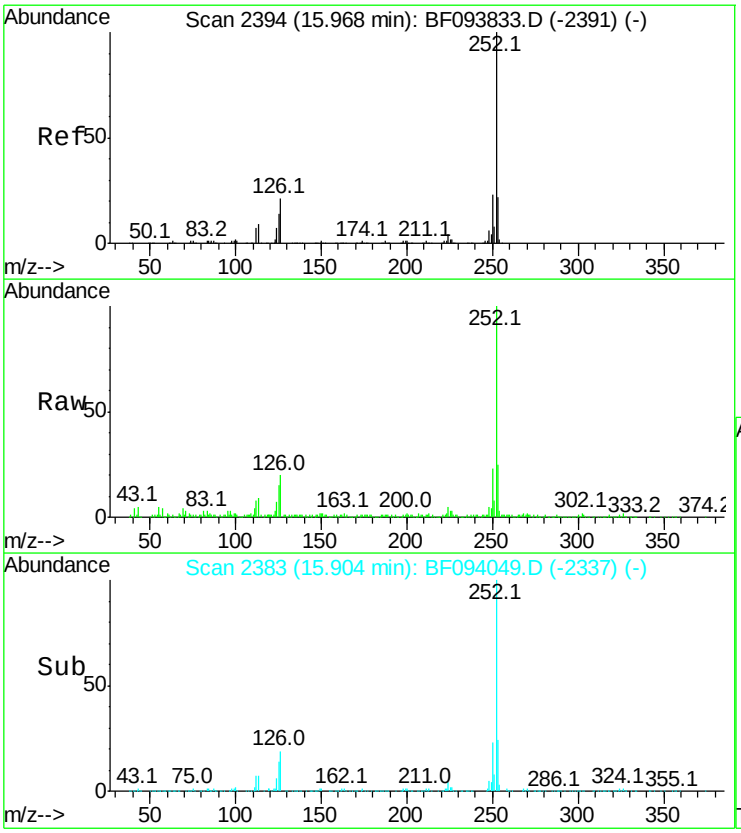
Tgt Ion:252 Resp: 759040

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	14.3	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

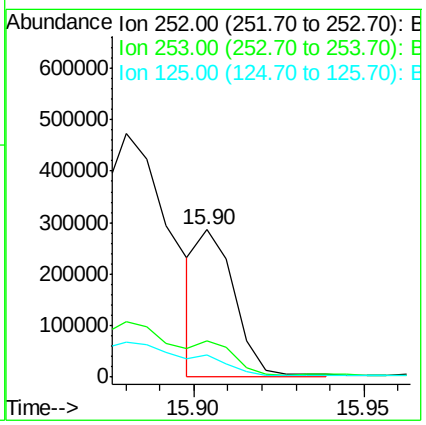
Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

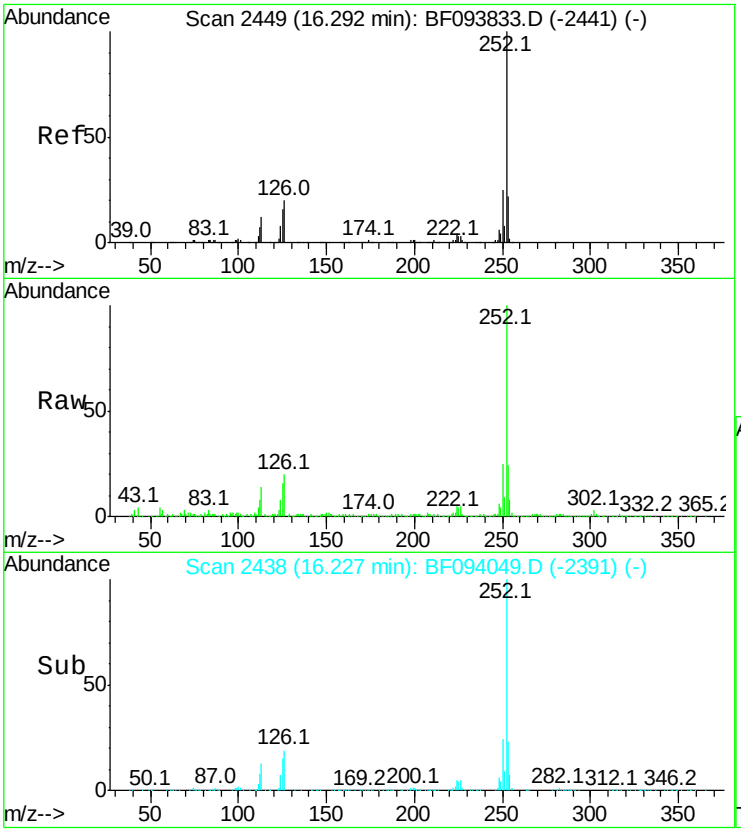


#88
Benzo(k)fluoranthene
Concen: 13.86 ng m
RT: 15.90 min Scan# 2383
Delta R.T. -0.03 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:252 Resp: 217435

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	15.0	13.1	19.7





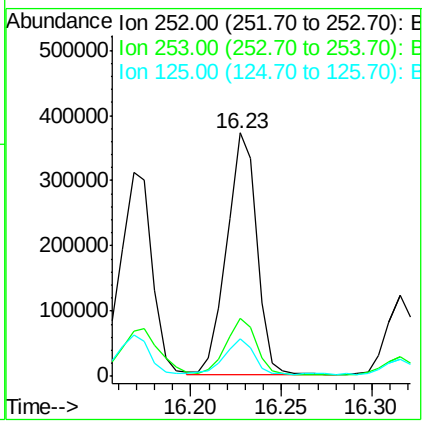
#89
Benzo(a)pyrene
Concen: 28.99 ng
RT: 16.23 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

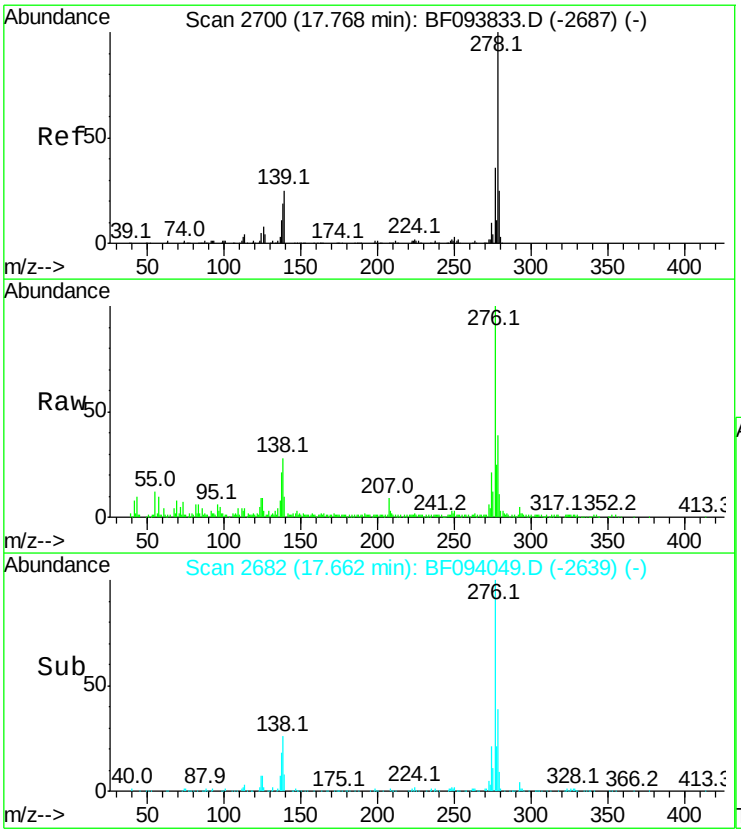
Tgt Ion:252 Resp: 427868

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	15.6	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM

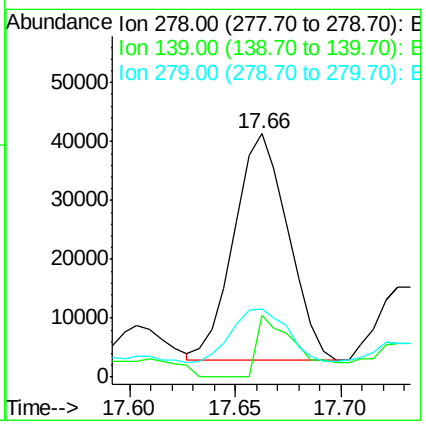


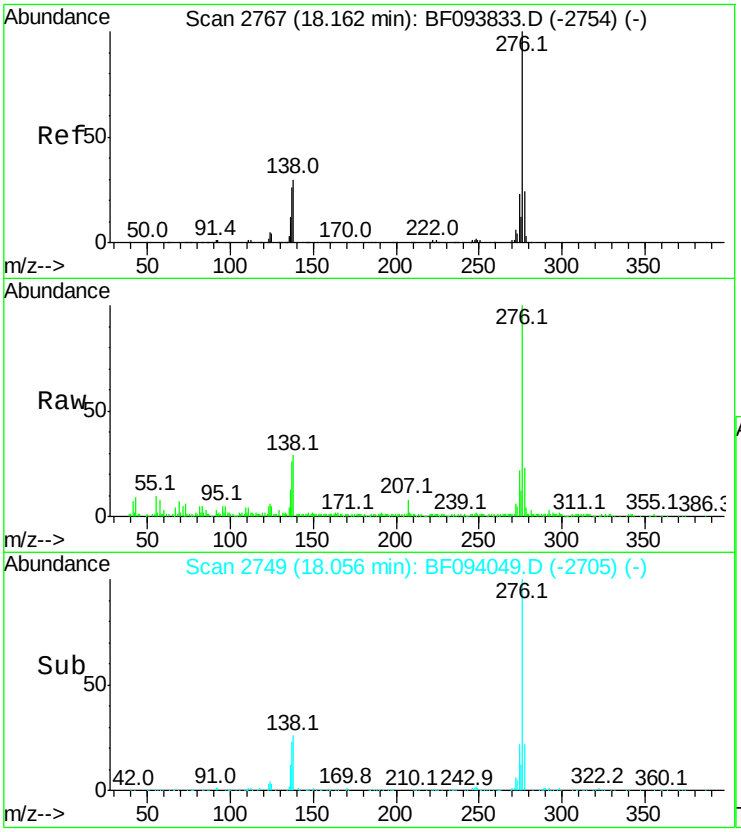


#90
Dibenzo(a,h)anthracene
Concen: 5.45 ng
RT: 17.66 min Scan# 2682
Delta R.T. -0.05 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:278 Resp: 68180

Ion	Ratio	Lower	Upper
278	100		
139	25.4	16.6	24.8#
279	28.1	19.3	28.9

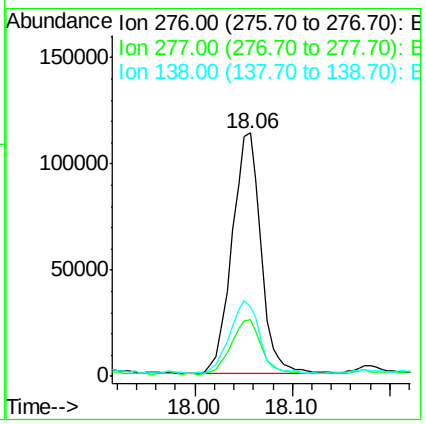




#91
Benzo(g,h,i)perylene
Concen: 18.51 ng
RT: 18.06 min Scan# 2749
Delta R.T. -0.04 min
Lab File: BF094049.D
Acq: 30 Mar 2017 7:13

Tgt Ion:276 Resp: 233213

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	28.7	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
E2-S11-BASE

Manual Integrations APPROVED
mohammad
3/30/2017 2:32:25 PM