Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095542.D
Acq On : 30 May 2017 18:48
Operator : SJ/MA
Sample : I3281-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP13-SS5

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

Quant Time: May 31 04:08:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	106410	20.00	ng		0.00
21) Naphthalene-d8	9.76	136	398189	20.00	ng		0.00
38) Acenaphthene-d10	12.59	164	165244	20.00	ng		0.00
63) Phenanthrene-d10	14.99	188	249020	20.00	ng		0.00
75) Chrysene-d12	18.67	240	237420	20.00	ng		0.00
86) Perylene-d12	20.35	264	188039	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.71	112	670640	105.07	ng		0.00
7) Phenol-d6	7.29	99	814912	106.41	ng		0.00
23) Nitrobenzene-d5	8.64	82	451778	71.55	ng		-0.01
41) 2,4,6-Tribromophenol	13.90	330	122573	90.57	ng		0.00
44) 2-Fluorobiphenyl	11.53	172	860156	74.92	ng		0.00
78) Terphenyl-d14	17.31	244	518549	48.11	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	12.23	163	174386	12.85	ng		99
70) Phenanthrene	15.04	178	111457	7.79	ng		96
74) Fluoranthene	16.78	202	158728	10.81	ng		98
77) Pyrene	17.08	202	142196	8.01	ng		96
80) Benzo(a)anthracene	18.66	228	67180m	4.86	ng		
82) Chrysene	18.71	228	63262	4.73	ng		96
87) Benzo(b)fluoranthene	19.95	252	63814m	5.49	ng		
89) Benzo(a)pyrene	20.30	252	48227	4.50	ng	#	92
91) Benzo(g,h,i)perylene	22.09	276	22273	2.56	ng		96

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

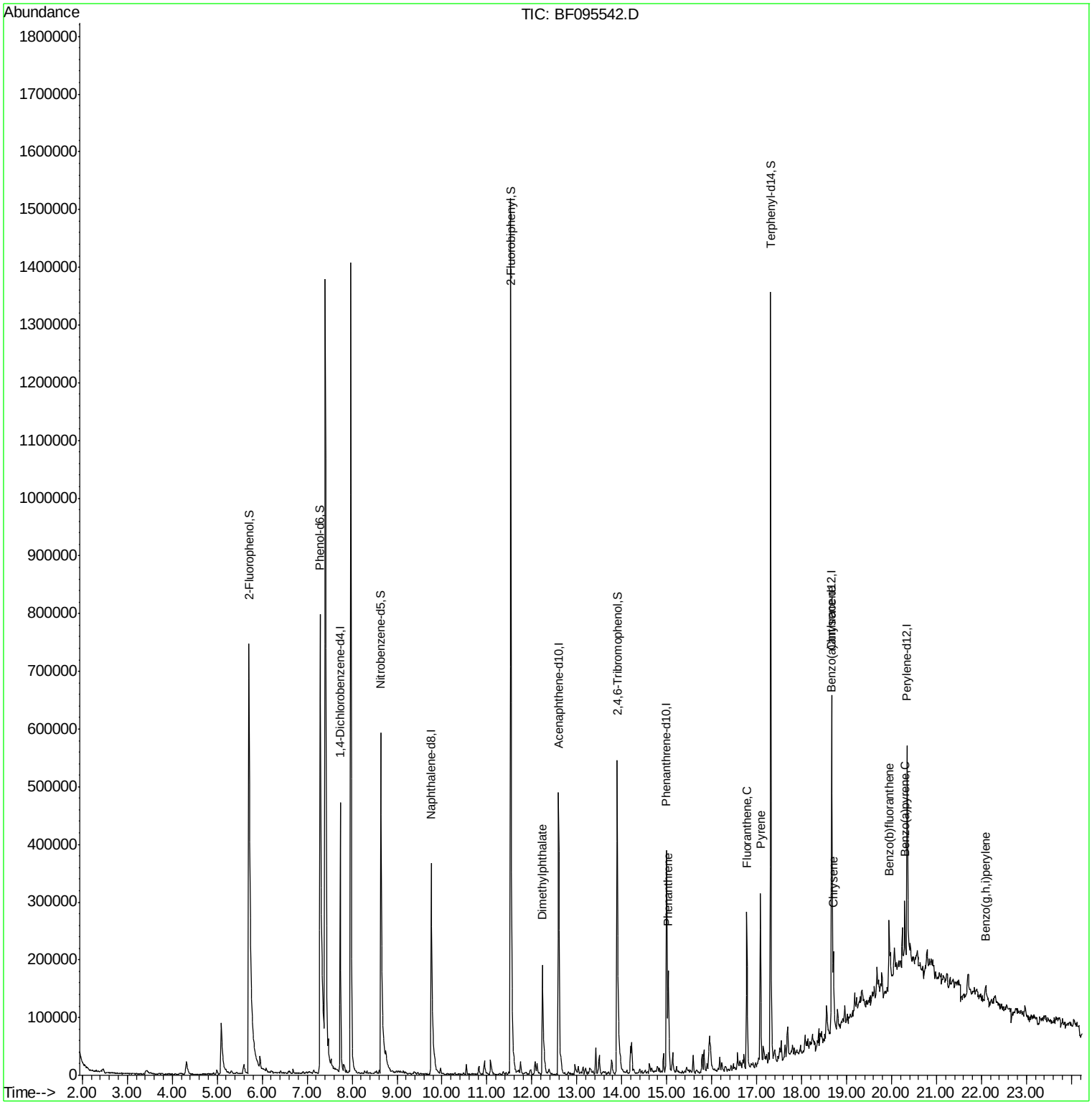
Quantitation Report (LSC Reviewed)

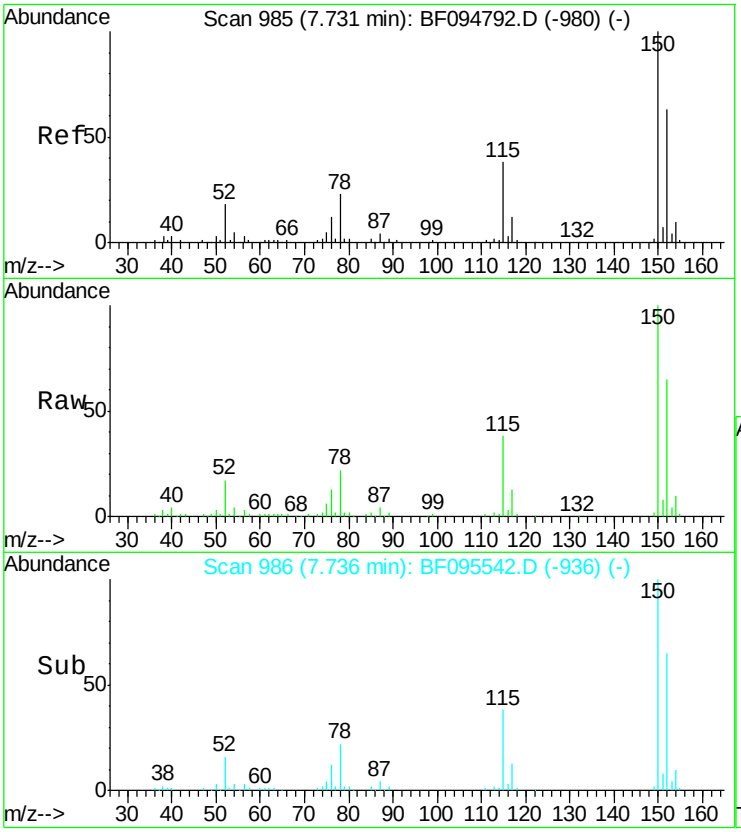
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095542.D
Acq On : 30 May 2017 18:48
Operator : SJ/MA
Sample : I3281-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 31 04:08:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

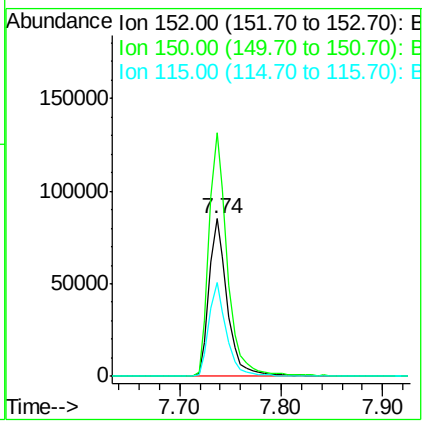




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

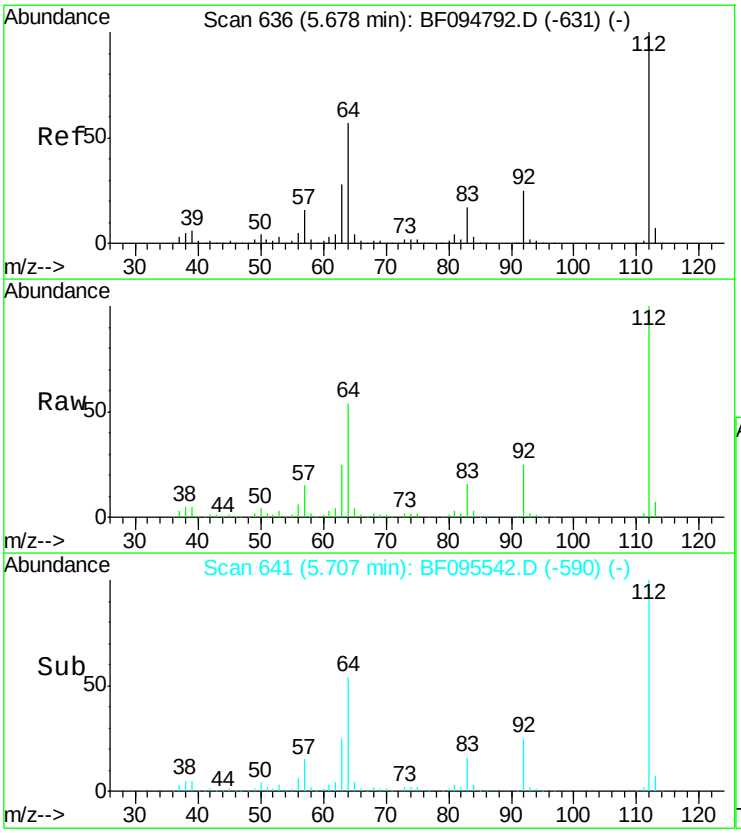
Tgt Ion:152 Resp: 106410

Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.2
115	59.3	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

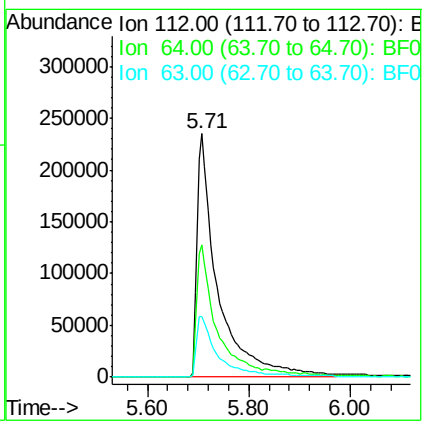
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

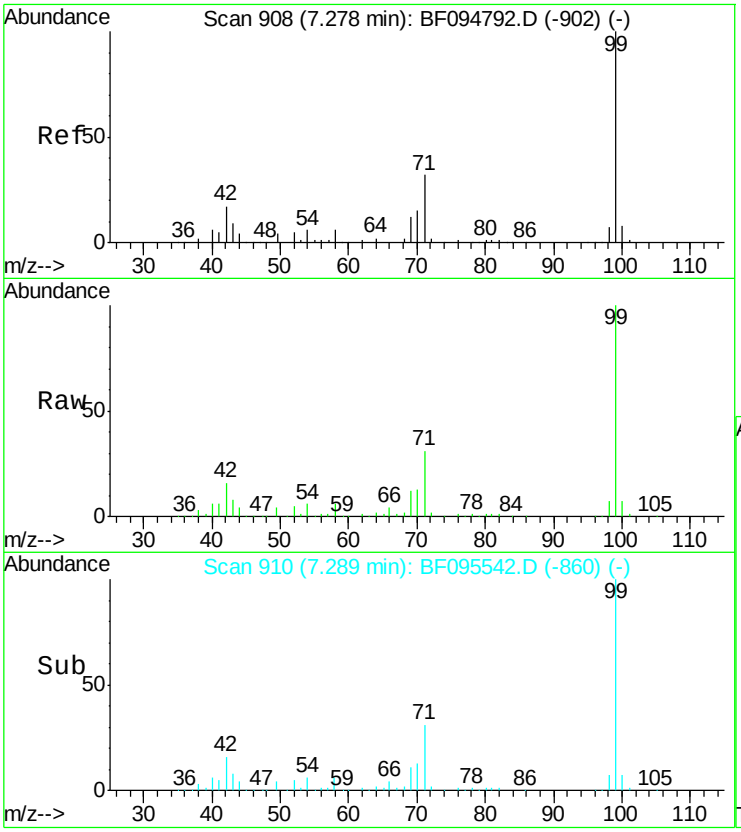


#5
2-Fluorophenol
Concen: 105.07 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:112 Resp: 670640

Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	25.0	23.4	35.0

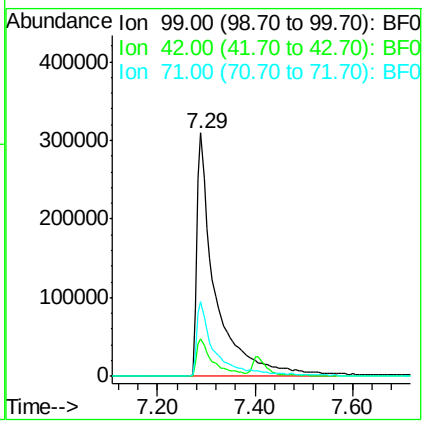




#7
Phenol-d6
Concen: 106.41 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

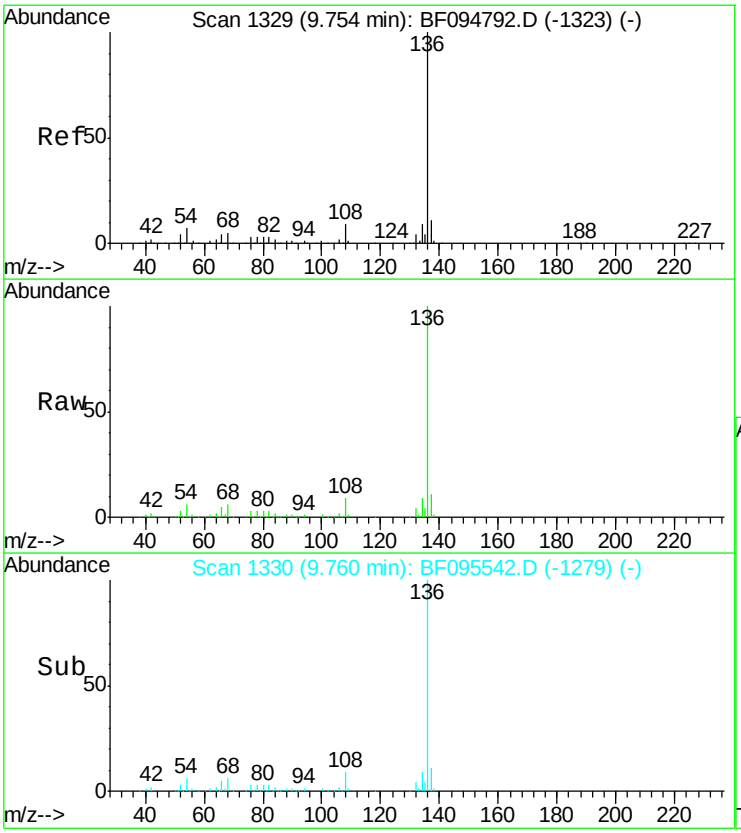
Tgt Ion: 99 Resp: 814912

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	30.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

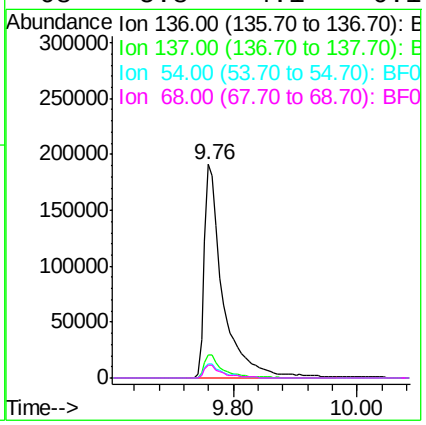
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

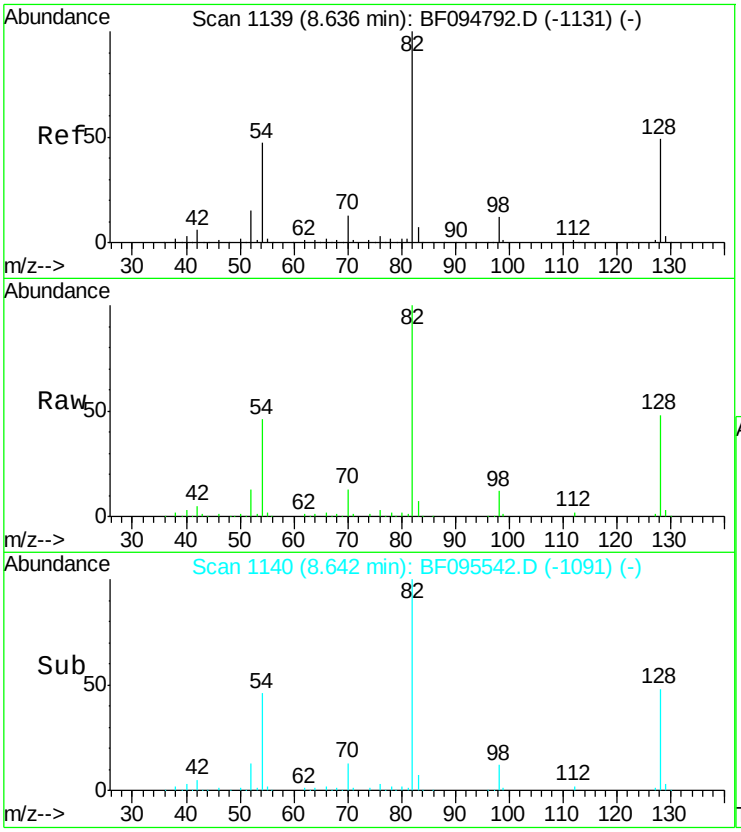


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:136 Resp: 398189

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.4	4.9	7.3
68	5.8	4.1	6.1

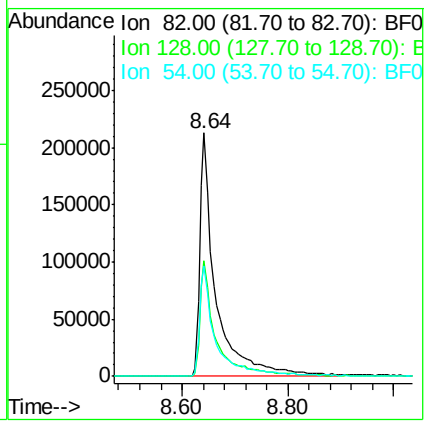




#23
Nitrobenzene-d5
Concen: 71.55 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

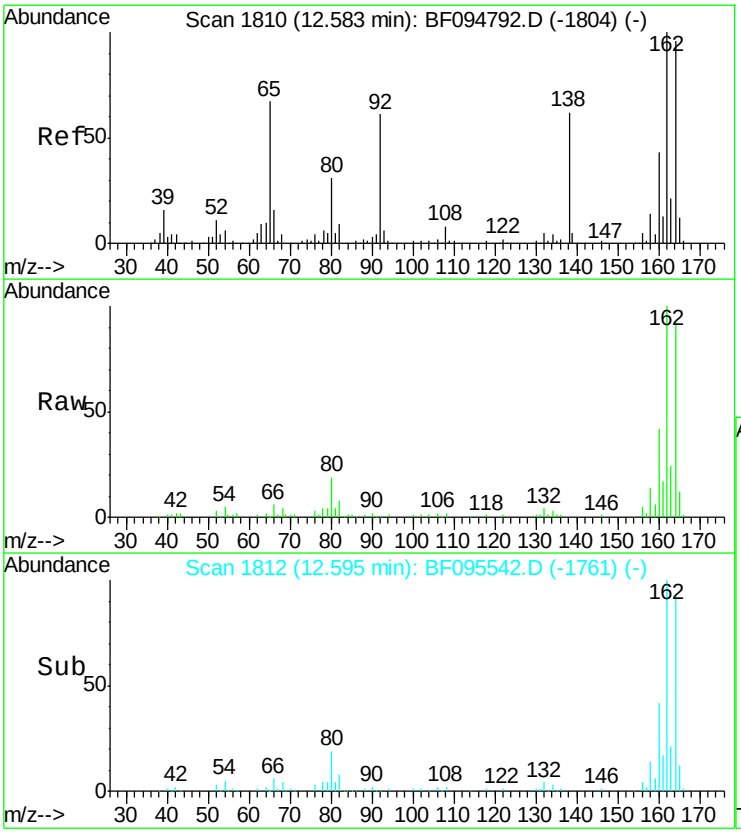
Tgt Ion: 82 Resp: 451778

Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	45.6	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

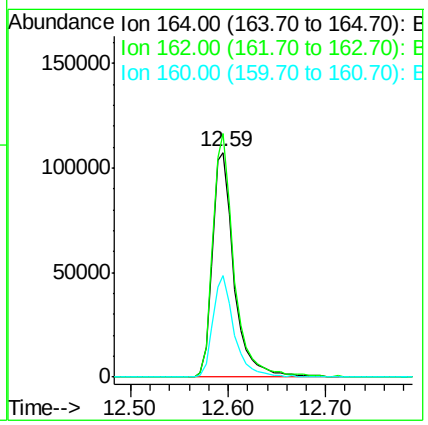
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

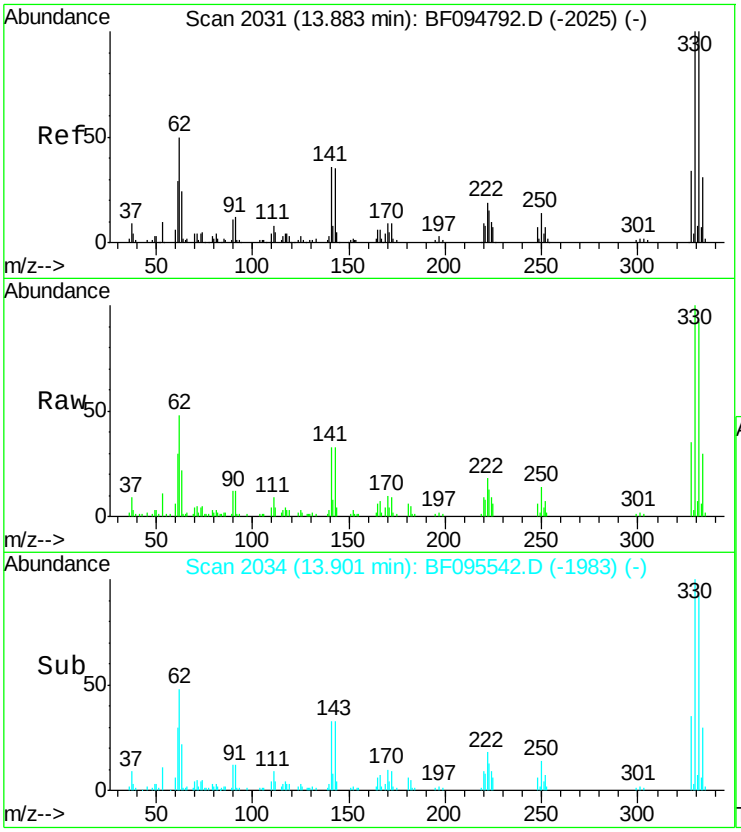


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:164 Resp: 165244

Ion	Ratio	Lower	Upper
164	100		
162	108.4	82.6	123.8
160	45.0	36.2	54.2

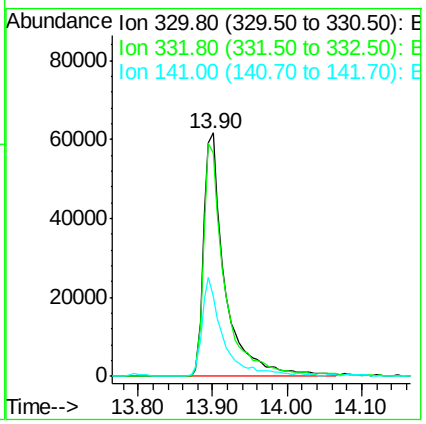




#41
2,4,6-Tribromophenol
Concen: 90.57 ng
RT: 13.90 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

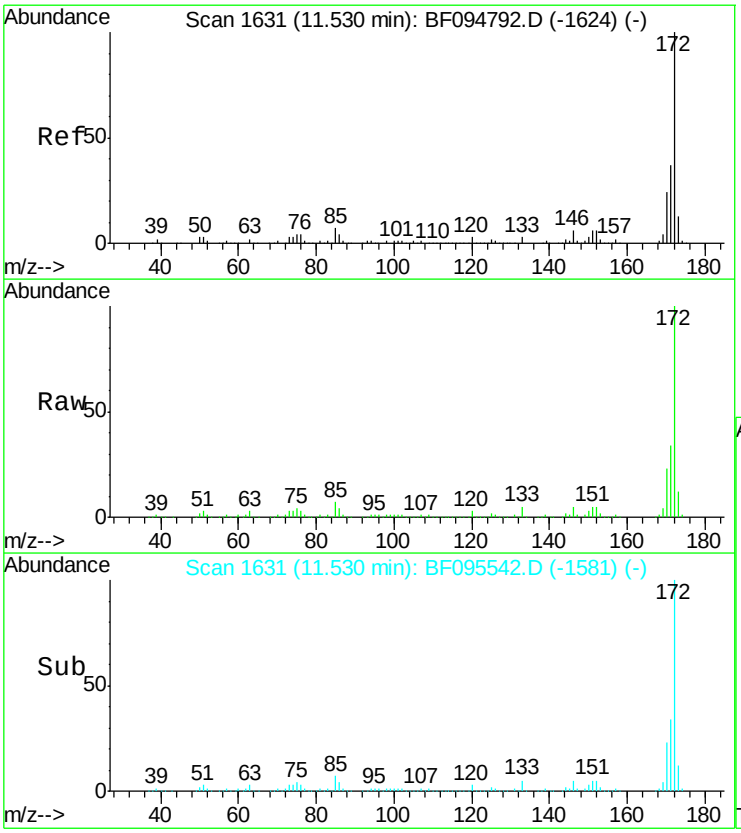
Tgt Ion:330 Resp: 122573

Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.6	115.0
141	40.6	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

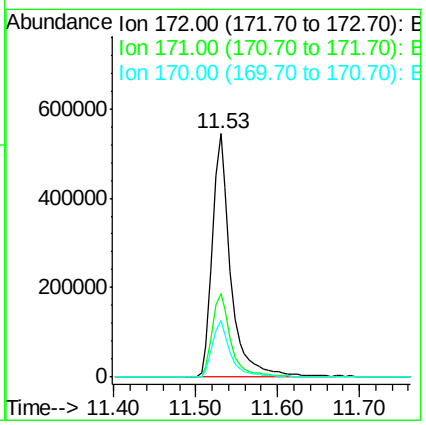
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

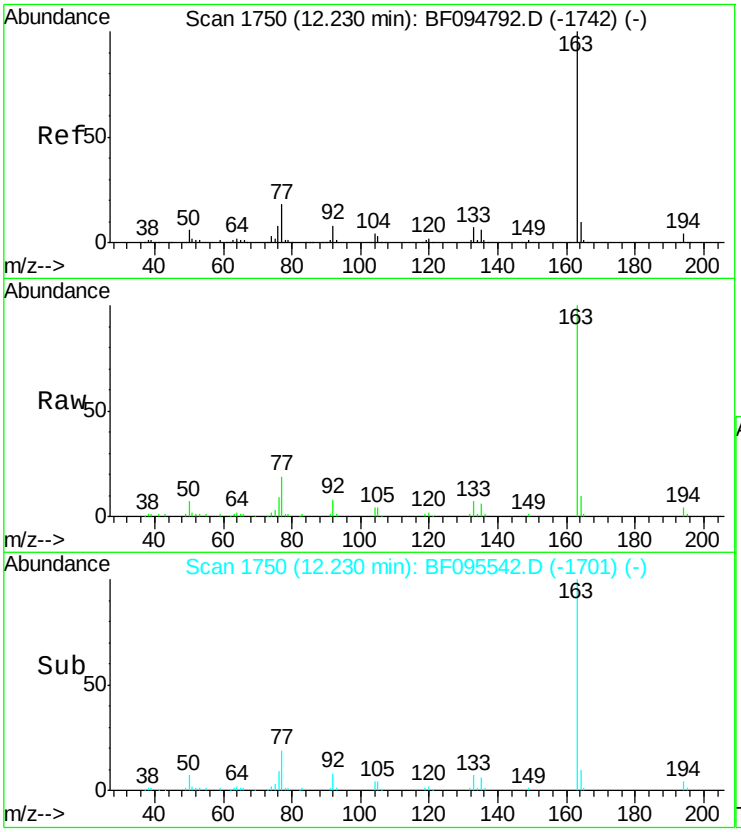


#44
2-Fluorobiphenyl
Concen: 74.92 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:172 Resp: 860156

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.2	19.8	29.8

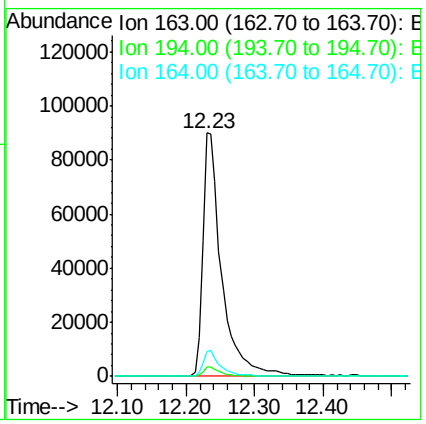




#49
Dimethylphthalate
Concen: 12.85 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

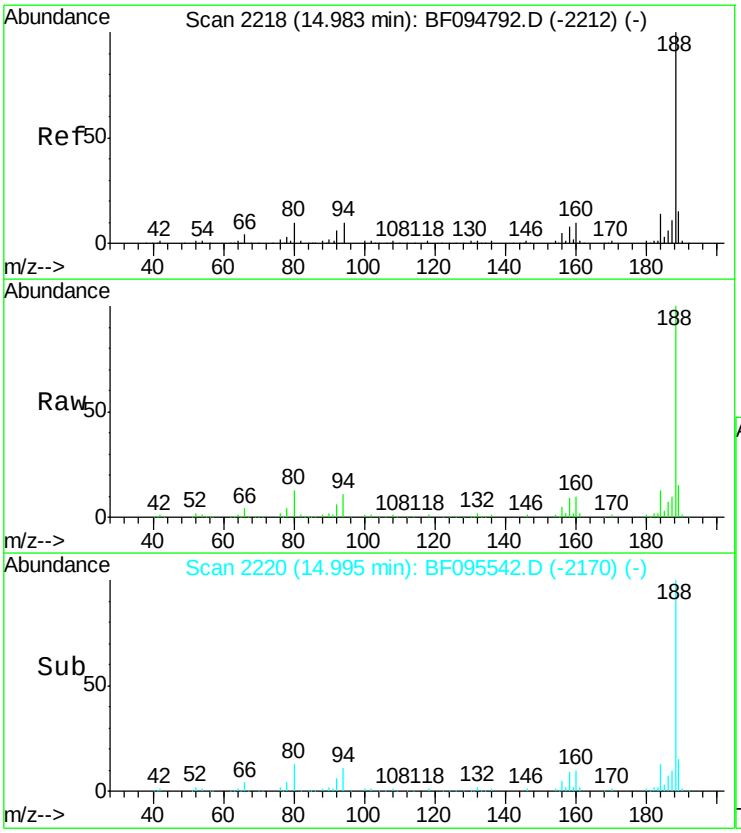
Tgt Ion:163 Resp: 174386

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

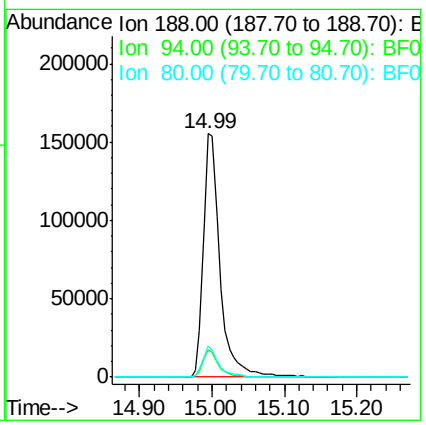
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

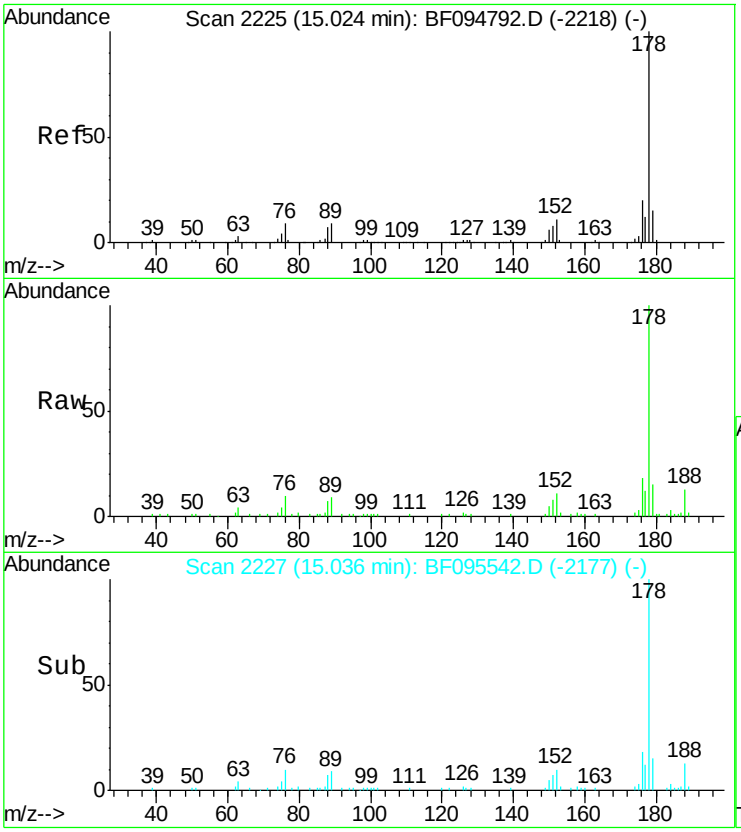


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:188 Resp: 249020

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.6	10.2	15.2

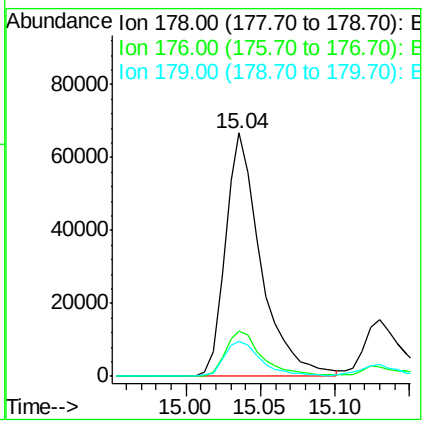




#70
Phenanthrene
Concen: 7.79 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

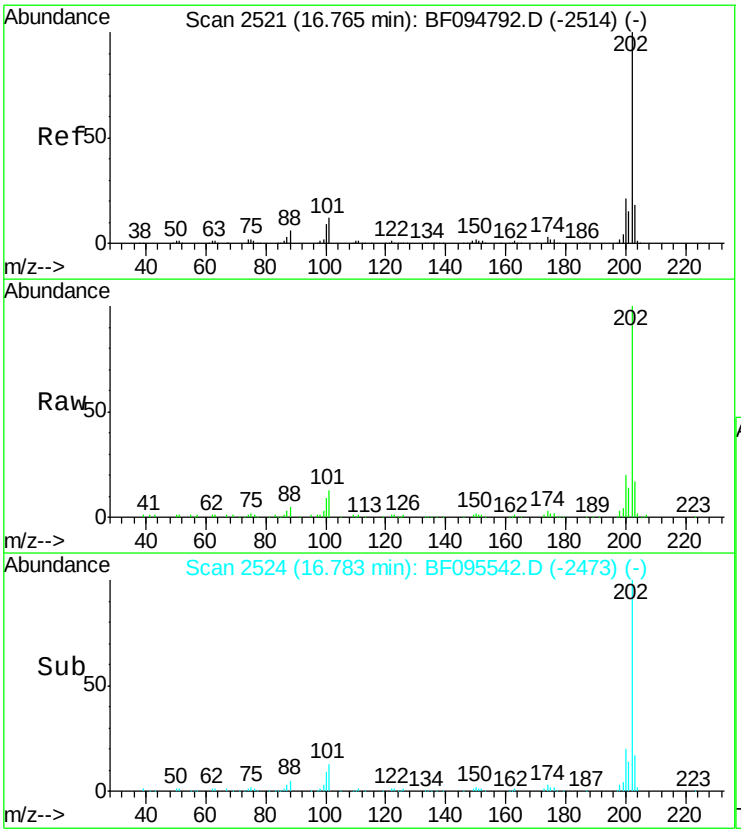
Tgt Ion:178 Resp: 111457

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	14.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

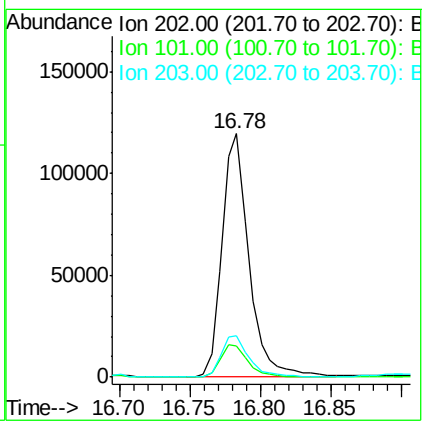
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

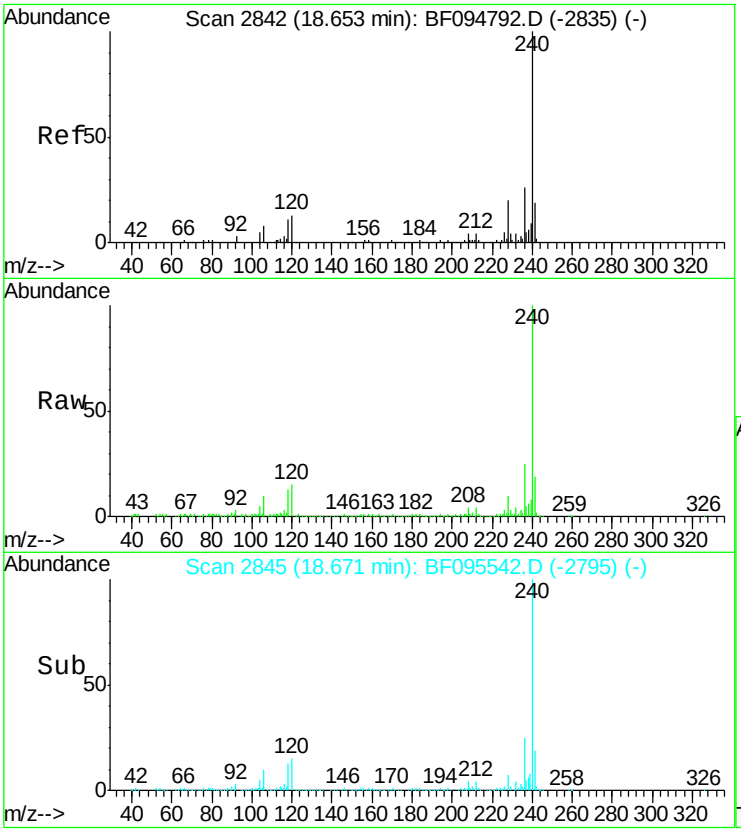


#74
Fluoranthene
Concen: 10.81 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:202 Resp: 158728

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.9	0.0	38.1

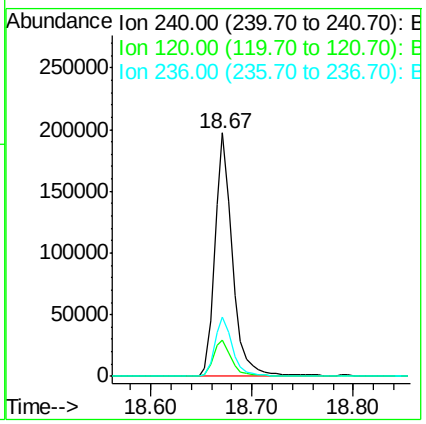




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

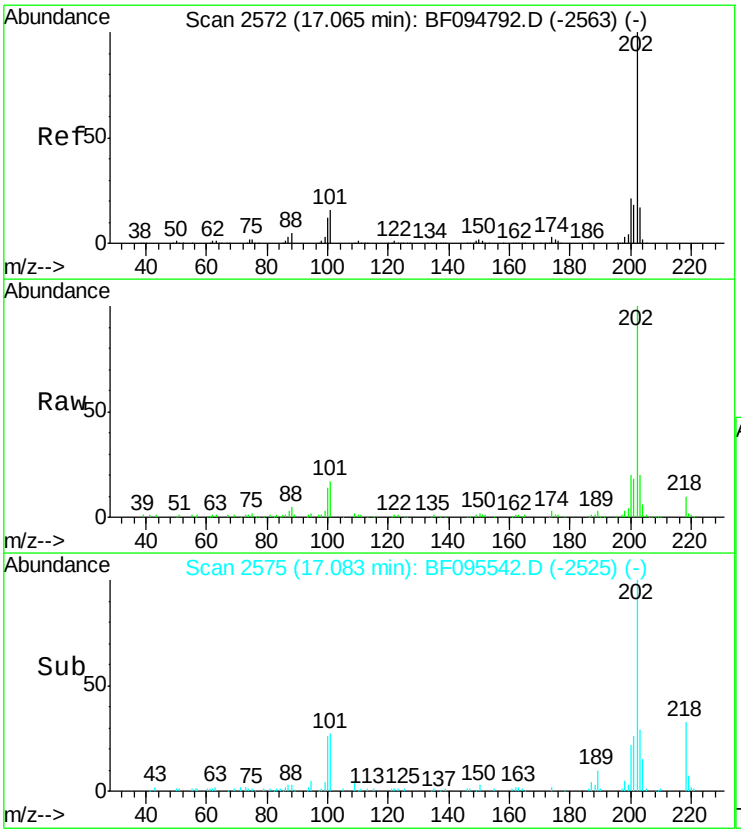
Tgt Ion:240 Resp: 237420

Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.6	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

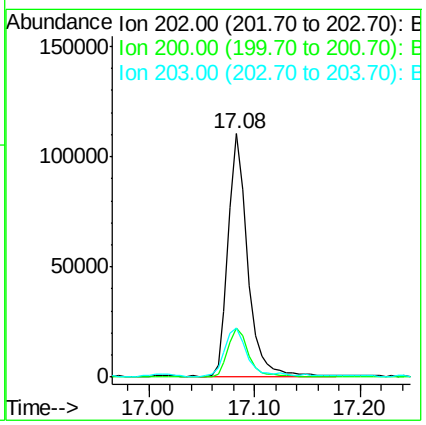
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

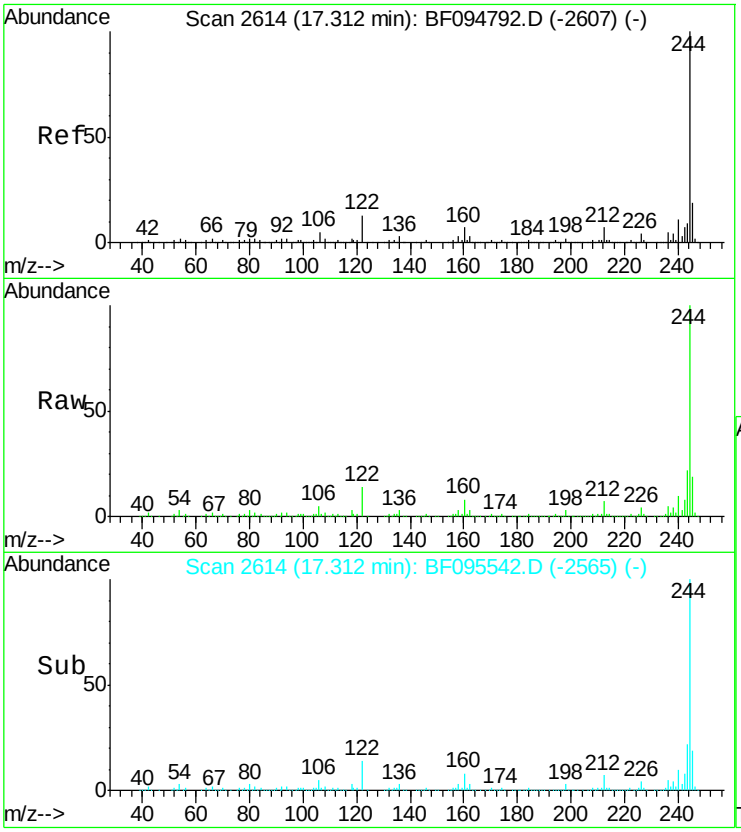


#77
Pyrene
Concen: 8.01 ng
RT: 17.08 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:202 Resp: 142196

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	20.3	14.4	21.6

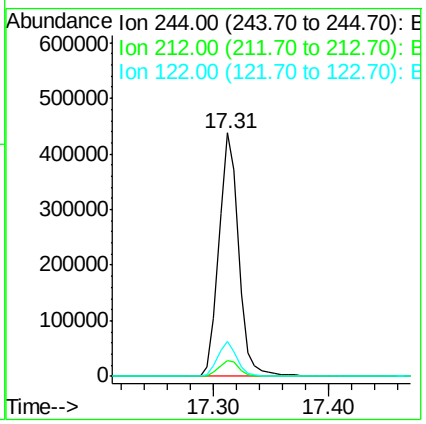




#78
Terphenyl-d14
Concen: 48.11 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

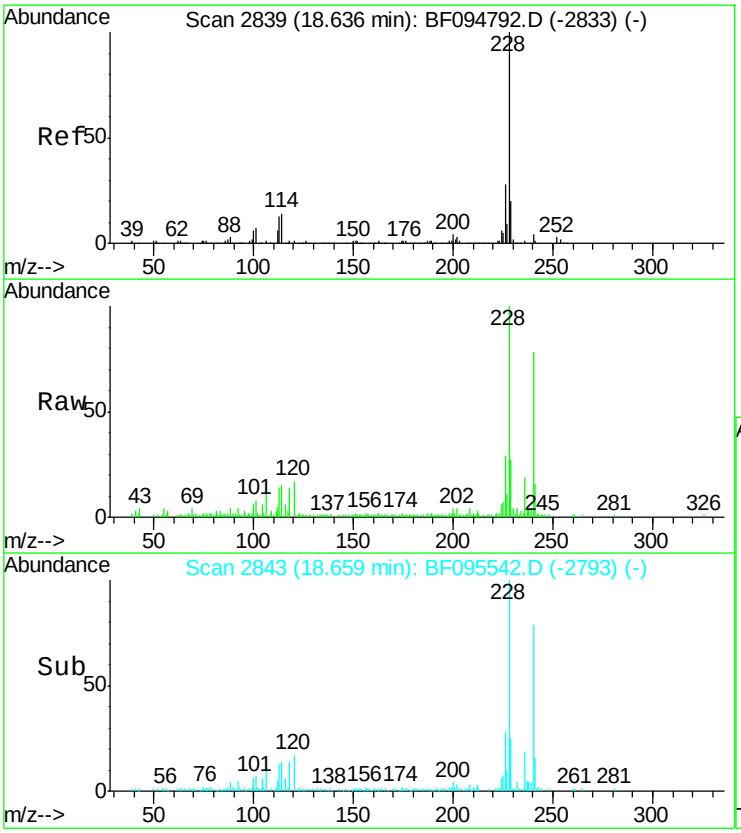
Tgt Ion:244 Resp: 518549

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

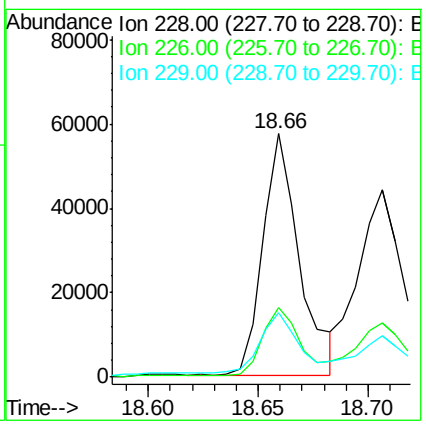
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

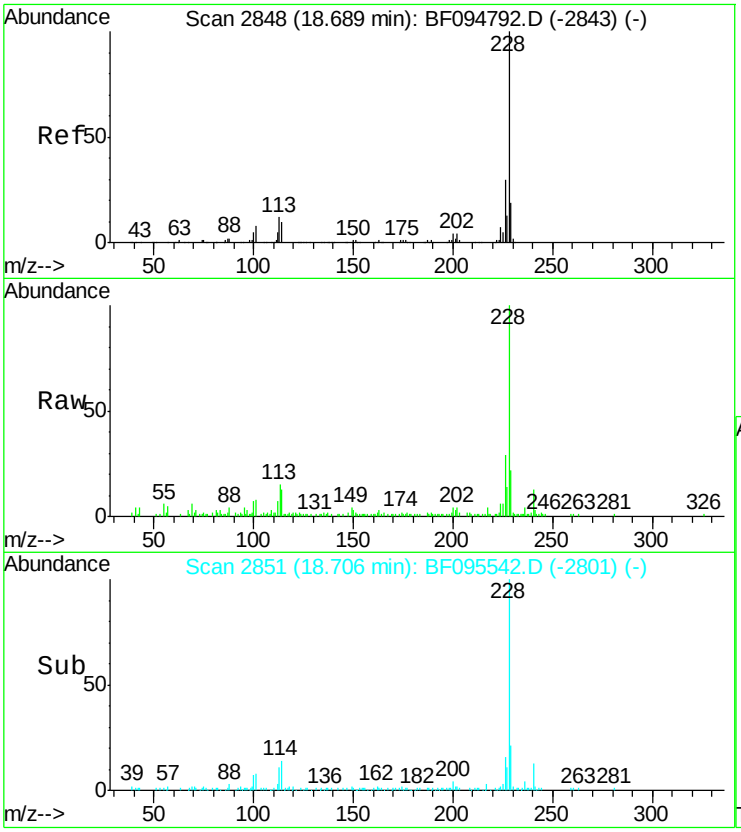


#80
Benzo(a)anthracene
Concen: 4.86 ng m
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:228 Resp: 67180

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	26.7	16.3	24.5#

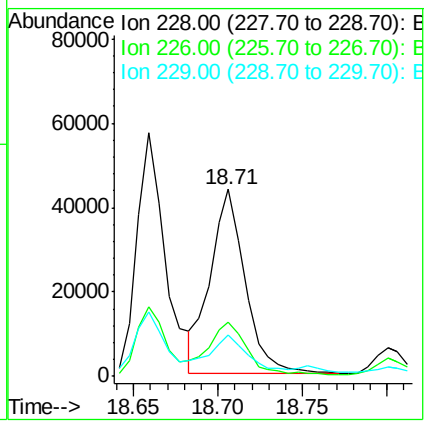




#82
Chrysene
Concen: 4.73 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

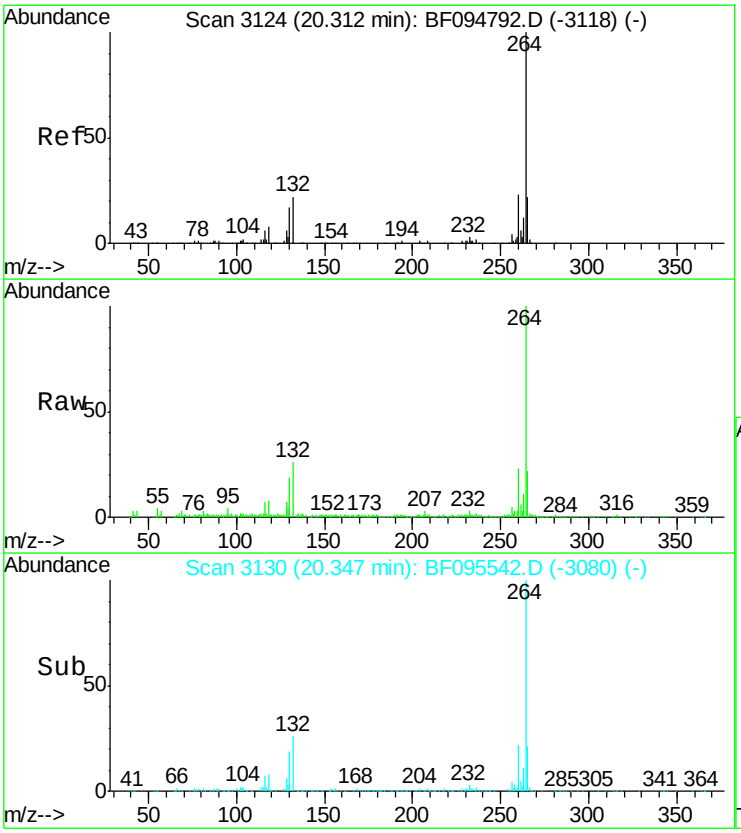
Tgt Ion:228 Resp: 63262

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

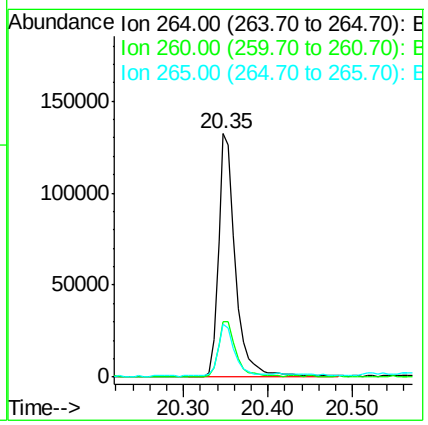
Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

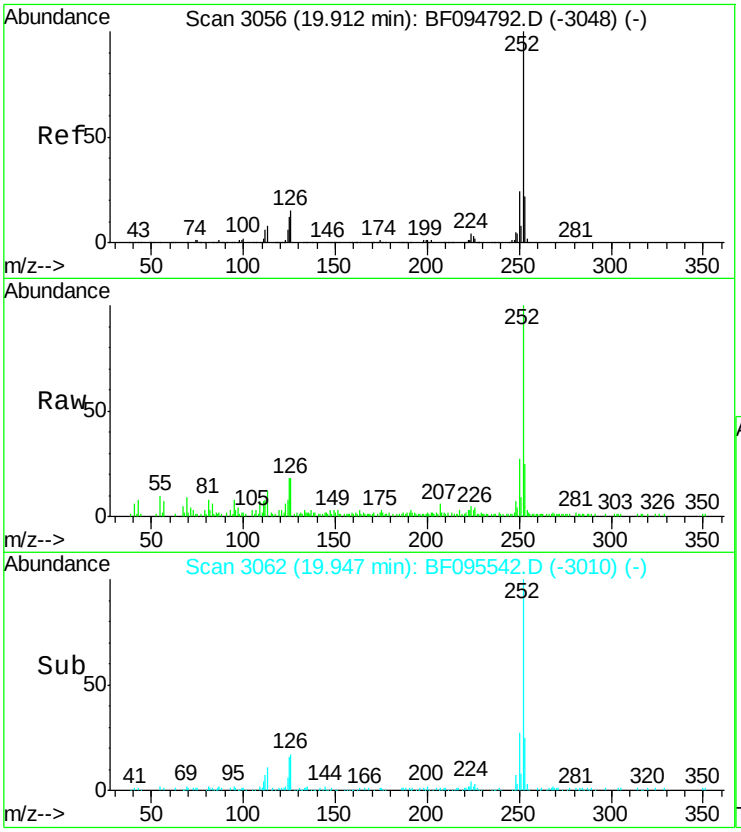


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:264 Resp: 188039

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.6	17.2	25.8





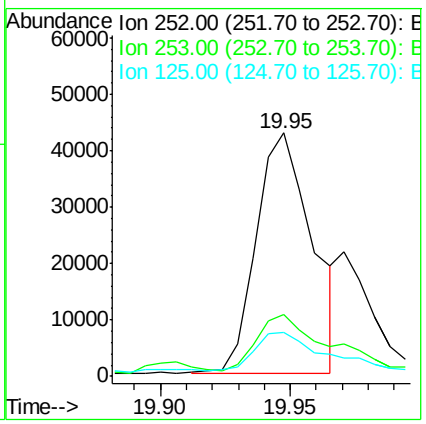
#87
Benzo(b)fluoranthene
Concen: 5.49 ng m
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

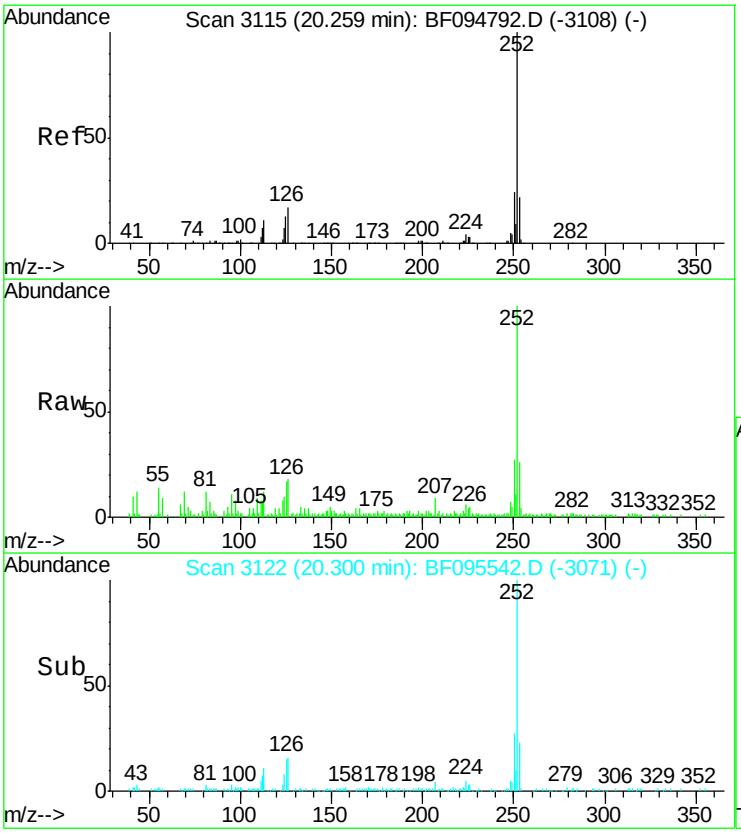
Tgt Ion:252 Resp: 63814

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	18.0	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM

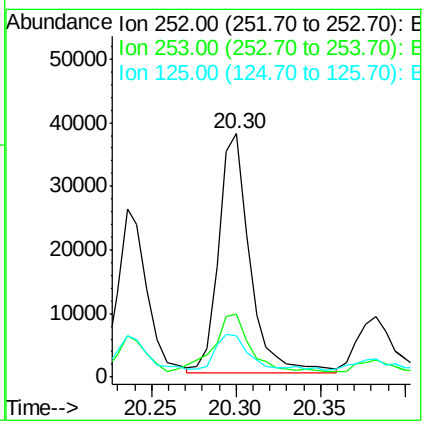


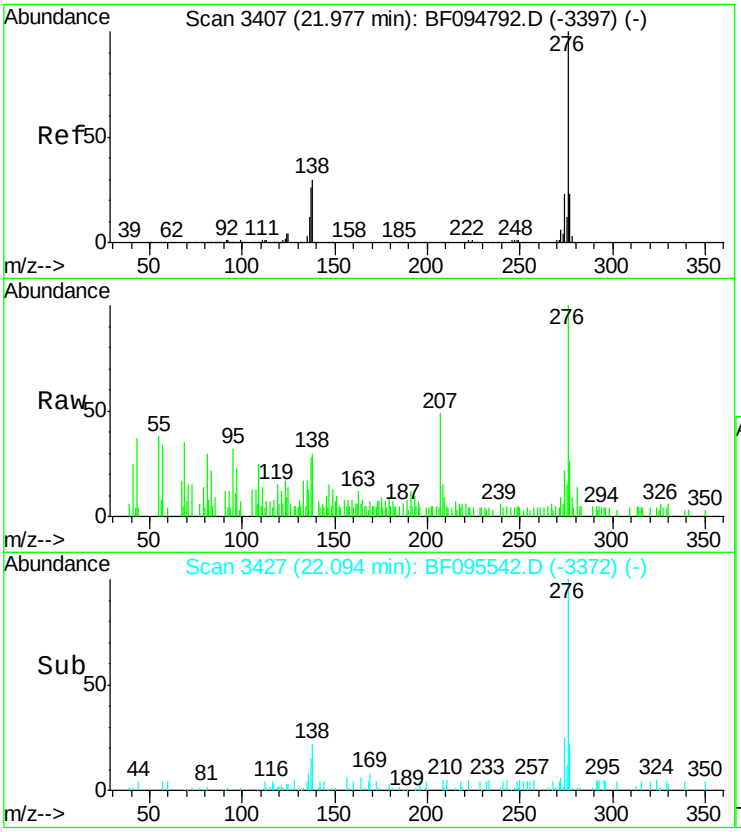


#89
Benzo(a)pyrene
Concen: 4.50 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:252 Resp: 48227

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	17.3	11.0	16.4#

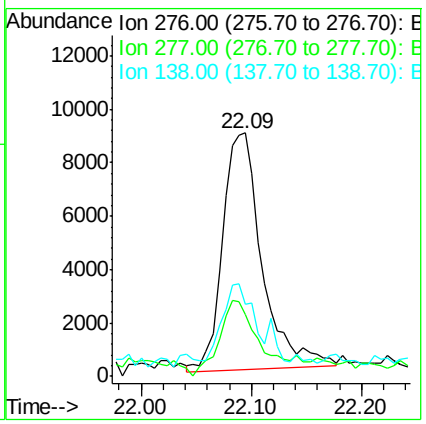




#91
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.02 min
Lab File: BF095542.D
Acq: 30 May 2017 18:48

Tgt Ion:276 Resp: 22273

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	29.6	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
R1-TP13-SS5

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:41 PM