Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116756.D
Acq On : 1 Sep 2019 21:24
Operator : HP/JU
Sample : K4575-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

Quant Time: Sep 02 06:51:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	70262	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	295887	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	168606	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	301333	20.00	ng		0.00
76) Chrysene-d12	13.99	240	191813	20.00	ng		0.00
87) Perylene-d12	15.44	264	192169	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	474026	109.30	ng		0.00
7) Phenol-d6	6.47	99	659995	115.89	ng		0.00
23) Nitrobenzene-d5	7.40	82	393398	75.90	ng		0.00
42) 2,4,6-Tribromophenol	10.66	330	140183	124.37	ng		-0.01
45) 2-Fluorobiphenyl	9.20	172	731357	73.17	ng		0.00
79) Terphenyl-d14	12.94	244	753791	72.70	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.49	94	61018	9.676	ng		91
50) Dimethylphthalate	9.59	163	92426	7.940	ng		98
52) Acenaphthene	9.91	154	24373	2.590	ng		99
58) Fluorene	10.42	166	27866	2.756	ng		96
71) Phenanthrene	11.39	178	439828	26.221	ng		100
72) Anthracene	11.43	178	93641	5.546	ng		98
73) Carbazole	11.59	167	61770	3.840	ng		98
75) Fluoranthene	12.57	202	635690	38.562	ng		99
78) Pyrene	12.80	202	526763	30.894	ng		99
81) Benzo(a)anthracene	13.98	228	222999	18.369	ng		98
83) Chrysene	14.02	228	220570	17.636	ng		97
86) Indeno(1,2,3-cd)pyrene	16.89	276	90781	9.037	ng		97
88) Benzo(b)fluoranthene	15.02	252	264722m	22.785	ng		
89) Benzo(k)fluoranthene	15.05	252	92138m	8.698	ng		
90) Benzo(a)pyrene	15.39	252	167977	16.618	ng		98
91) Dibenzo(a,h)anthracene	16.90	278	22335	2.524	ng	#	80
92) Benzo(g,h,i)perylene	17.32	276	83616	9.267	ng	#	91

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

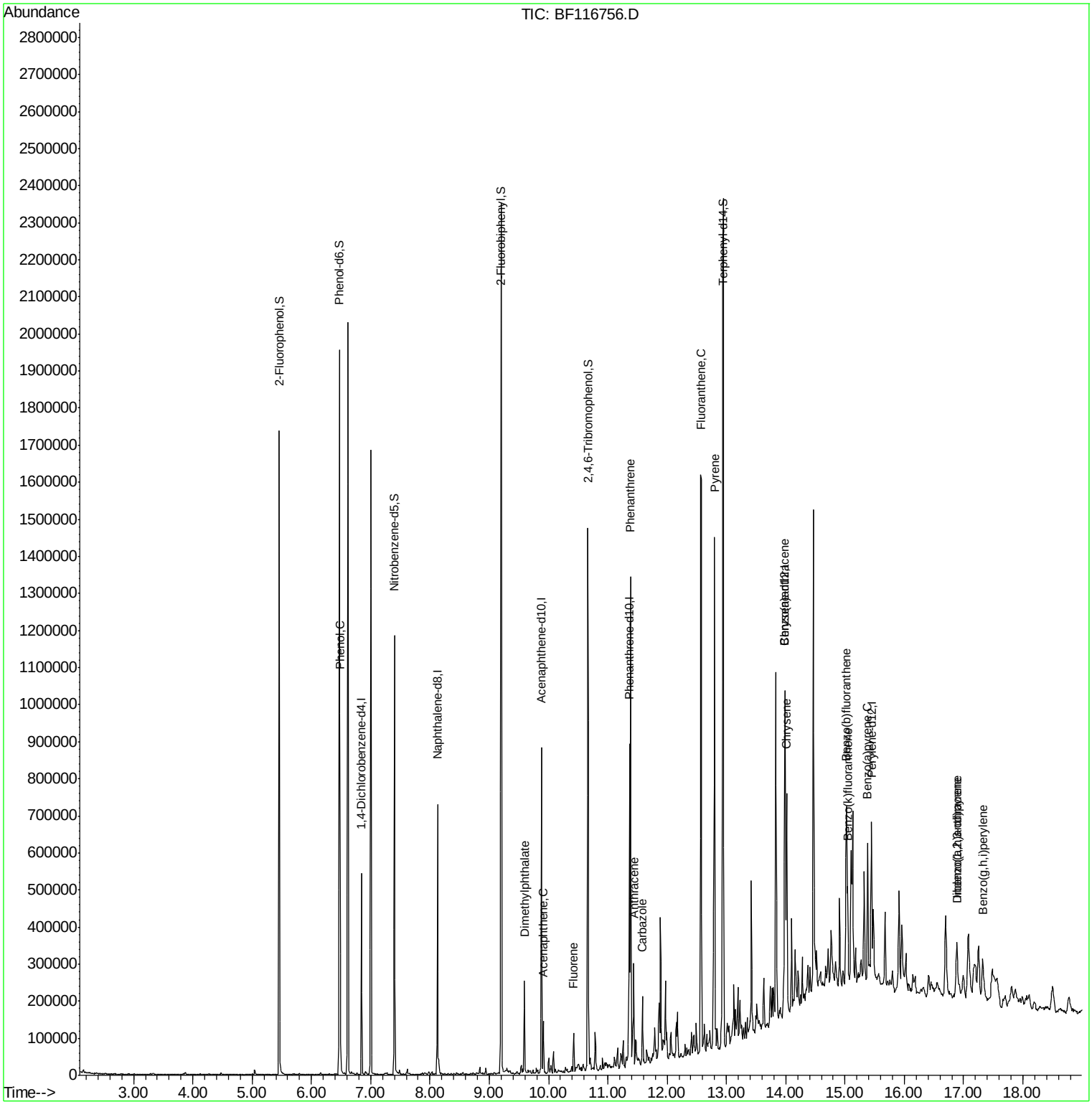
Quantitation Report (LSC Reviewed)

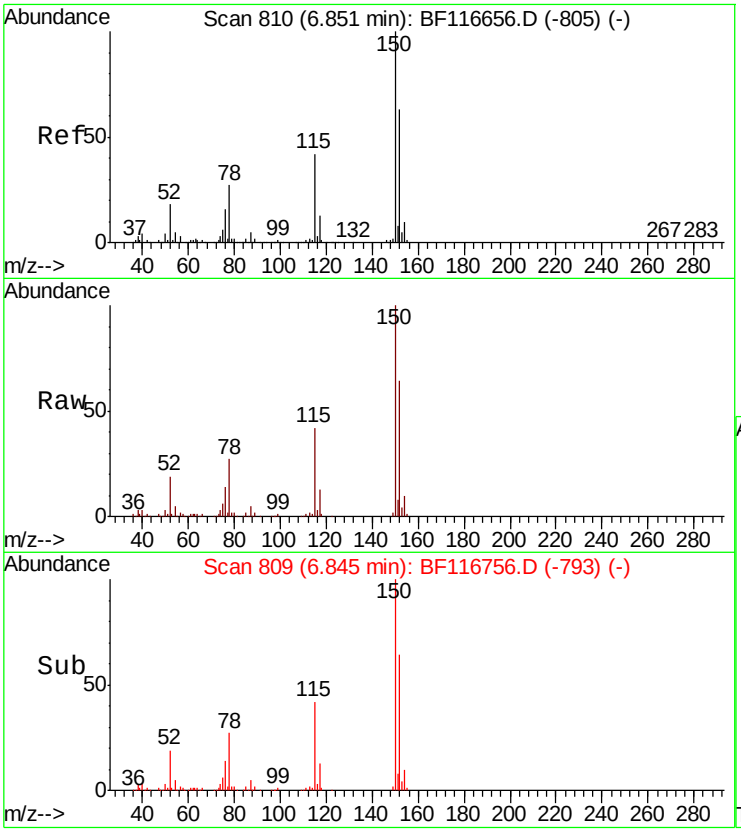
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116756.D
Acq On : 1 Sep 2019 21:24
Operator : HP/JU
Sample : K4575-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 02 06:51:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

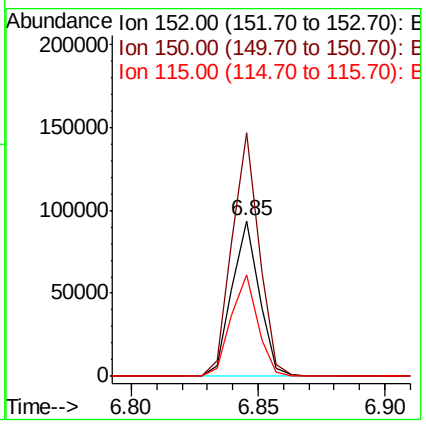




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

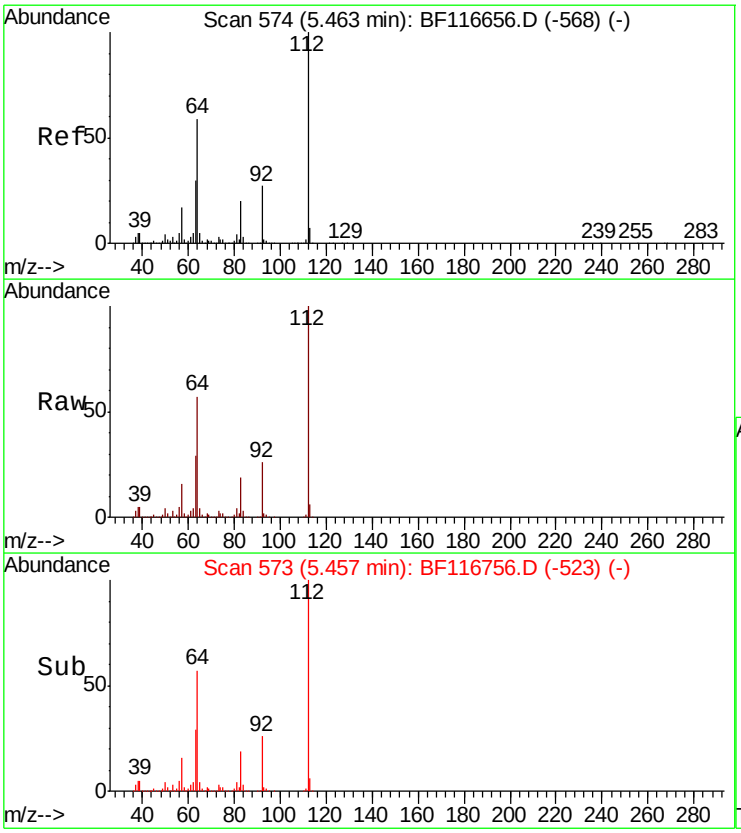
Tgt Ion:152 Resp: 70262

Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.4	186.6
115	65.2	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

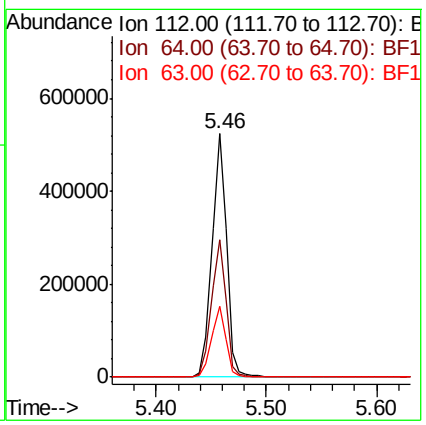
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

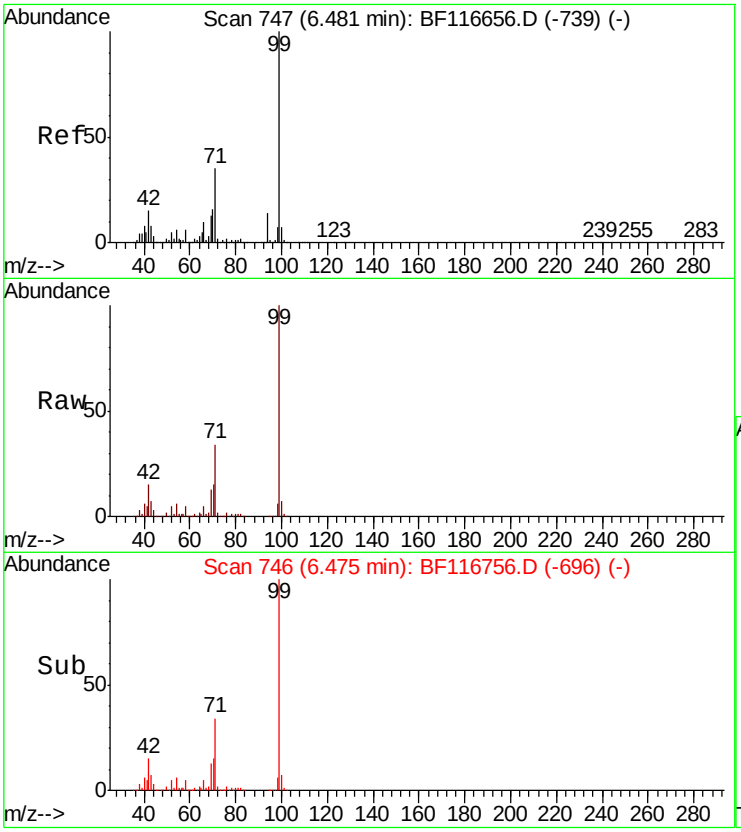


#5
2-Fluorophenol
Concen: 109.298 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:112 Resp: 474026

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.1	70.7
63	29.3	24.9	37.3

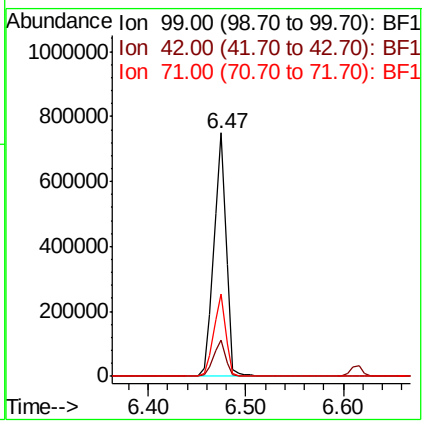




#7
Phenol-d6
Concen: 115.891 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

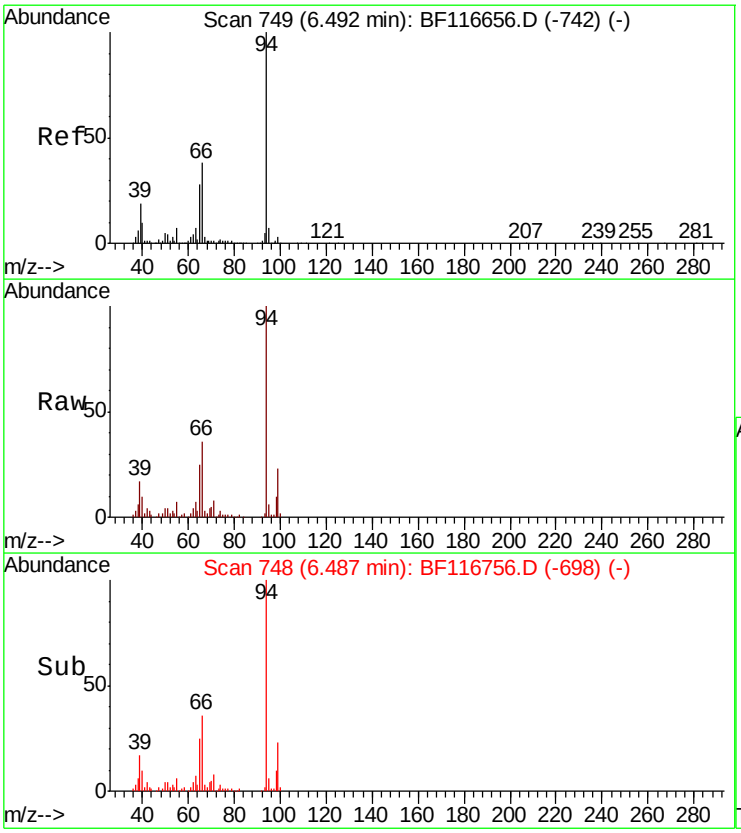
Tgt Ion: 99 Resp: 659995

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.7	20.5
71	33.7	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

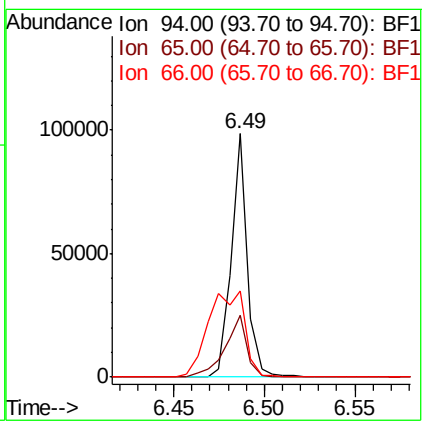
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

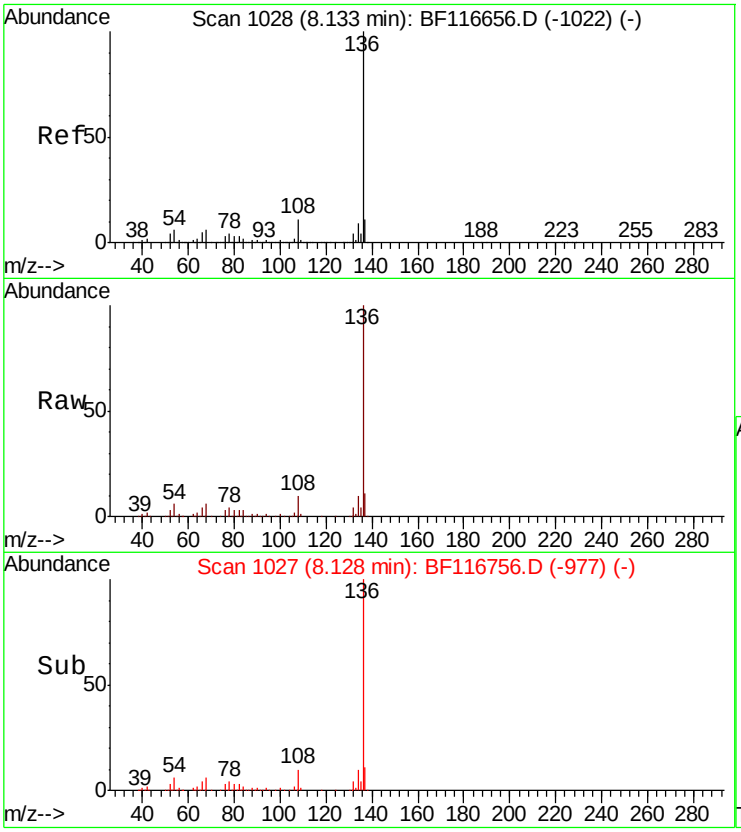


#10
Phenol
Concen: 9.676 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion: 94 Resp: 61018

Ion	Ratio	Lower	Upper
94	100		
65	25.3	10.8	50.8
66	35.6	21.1	61.1

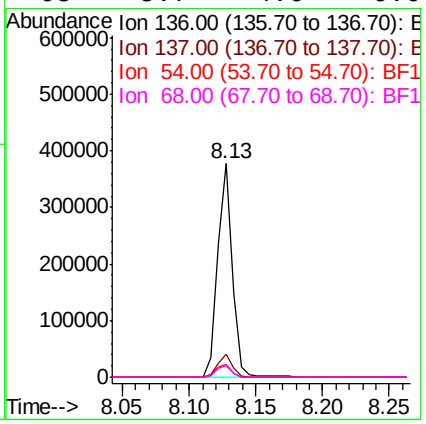




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

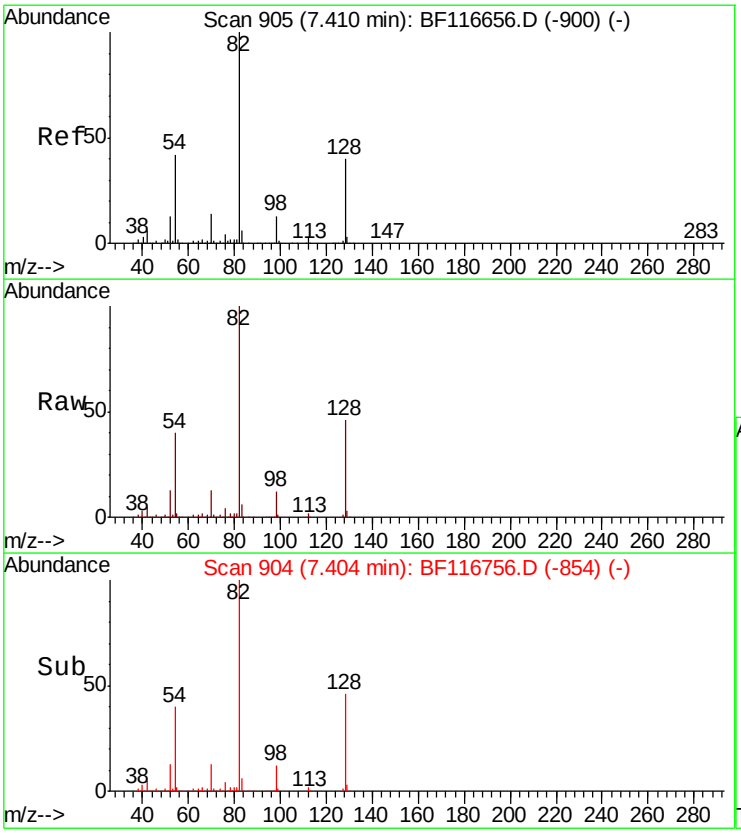
Tgt Ion:136 Resp: 295887

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.0	4.8	7.2
68	5.7	4.0	6.0



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

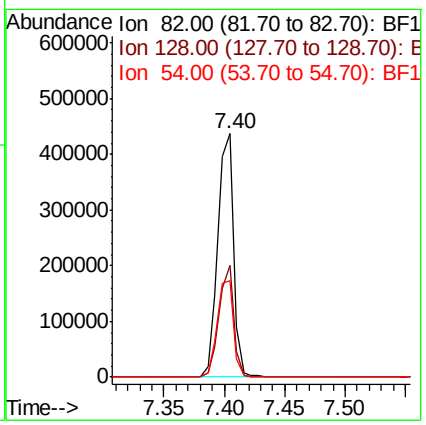
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

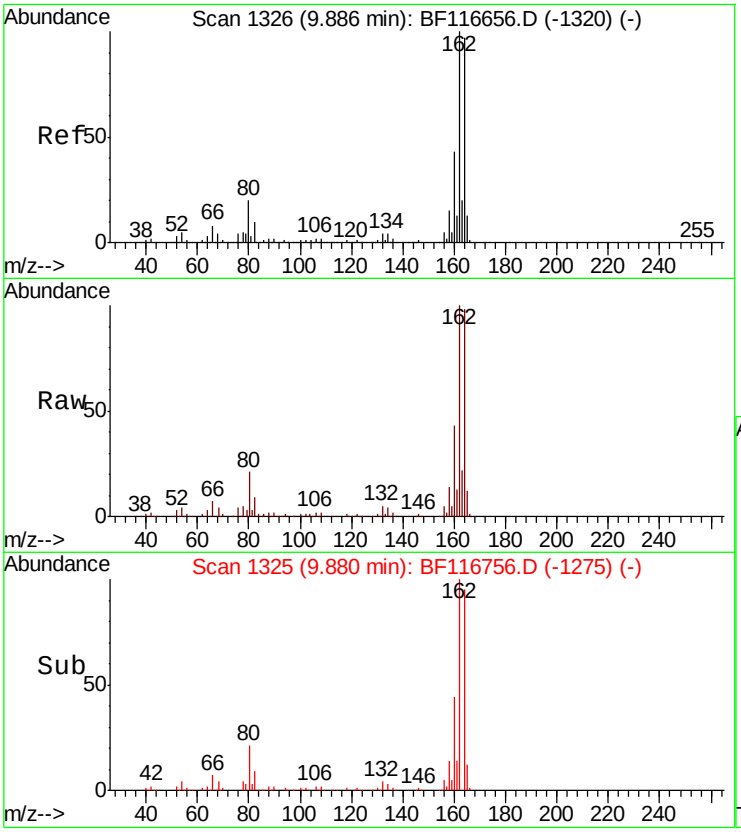


#23
Nitrobenzene-d5
Concen: 75.901 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion: 82 Resp: 393398

Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.8	49.2
54	39.7	36.9	55.3

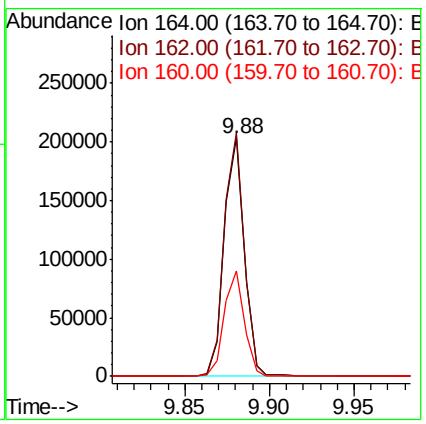




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

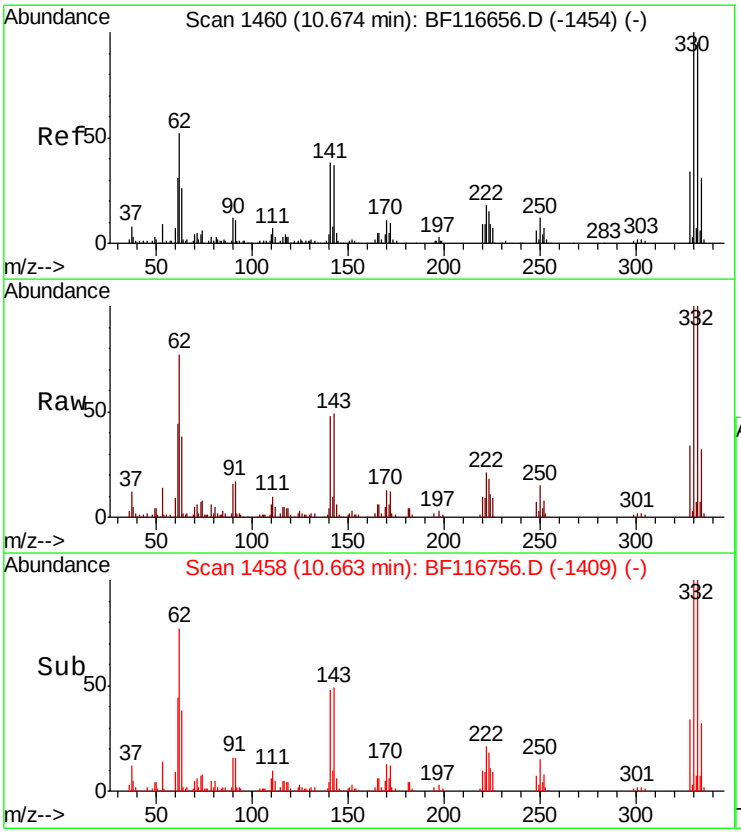
Tgt Ion:164 Resp: 168606

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.0
160	44.2	35.4	53.2



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

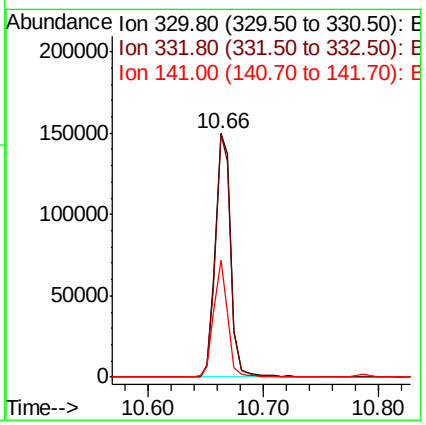
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

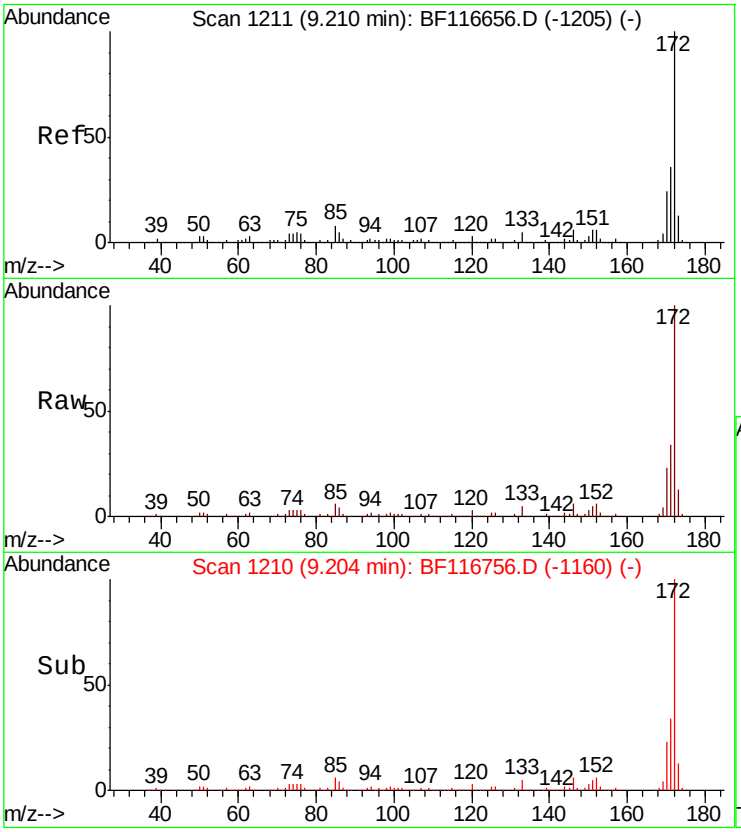


#42
2,4,6-Tribromophenol
Concen: 124.368 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:330 Resp: 140183

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	43.3	31.4	47.2

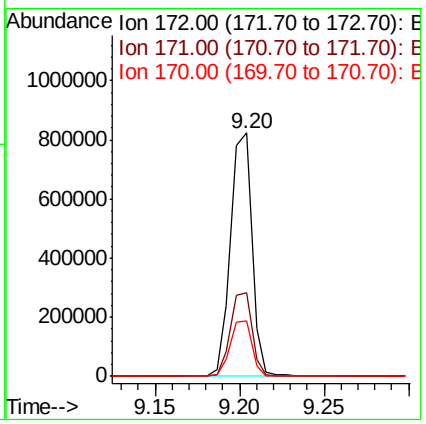




#45
2-Fluorobiphenyl
Concen: 73.172 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

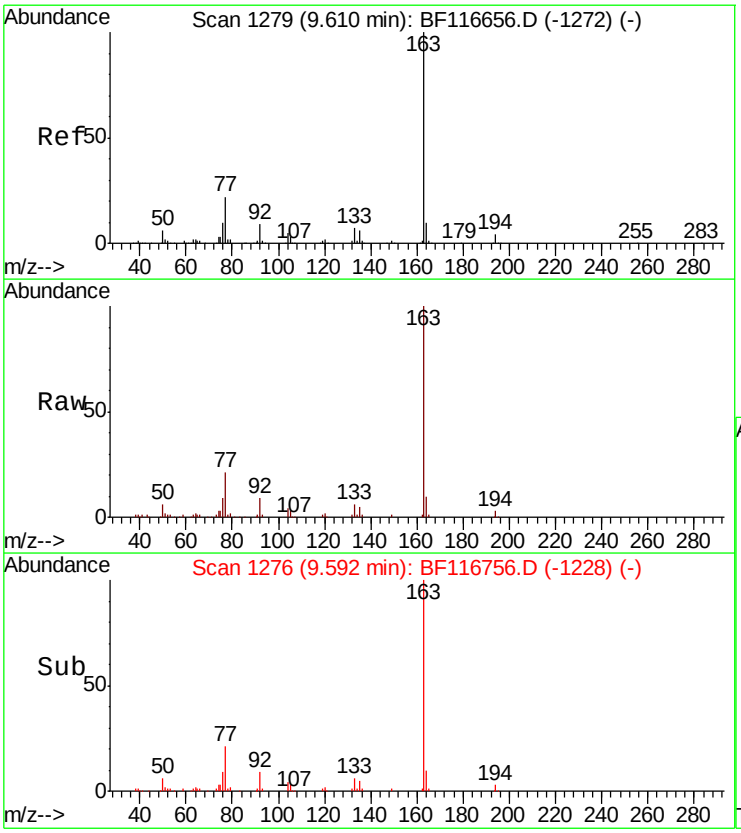
Tgt Ion:172 Resp: 731357

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.0	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

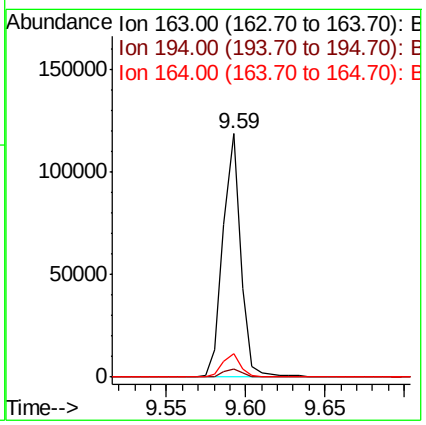
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

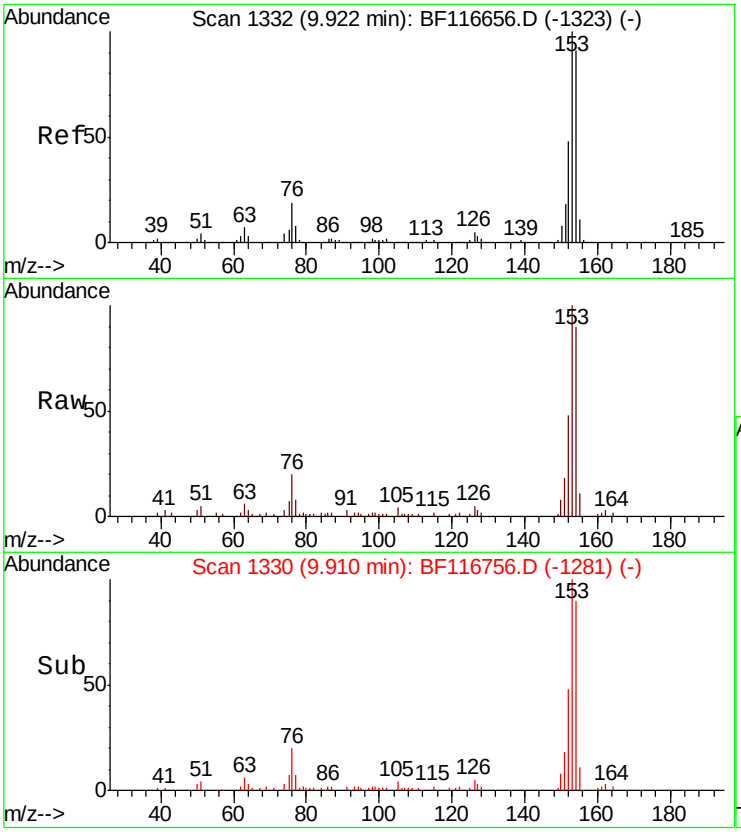


#50
Dimethylphthalate
Concen: 7.940 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:163 Resp: 92426

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.7	8.6	12.8

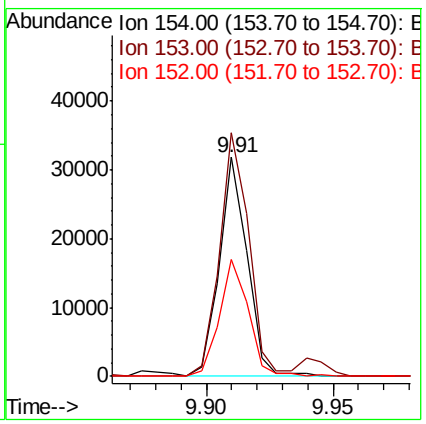




#52
Acenaphthene
Concen: 2.590 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

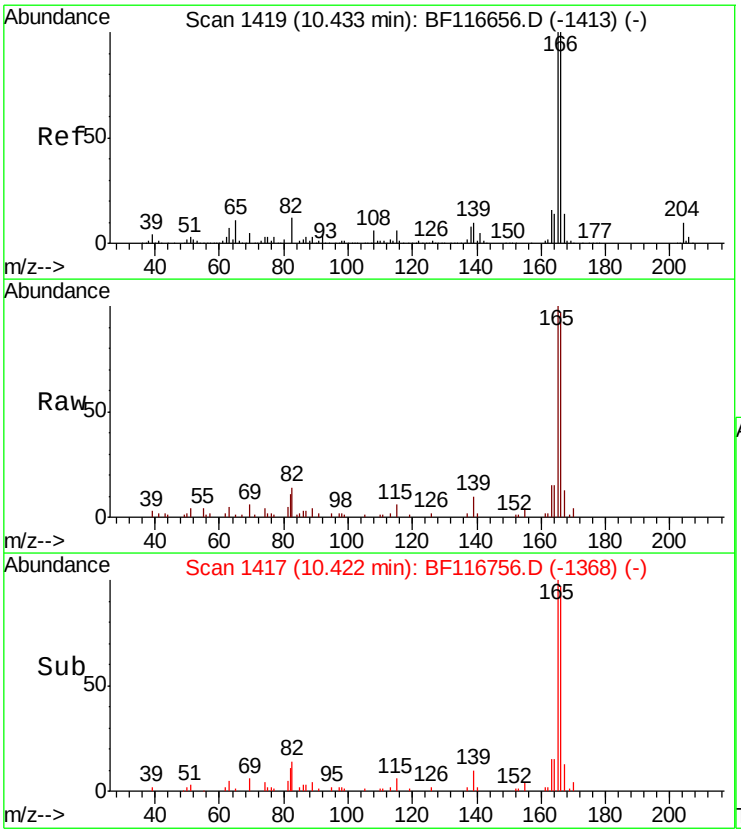
Tgt Ion:154 Resp: 24373

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.5	134.3
152	53.5	41.9	62.9



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

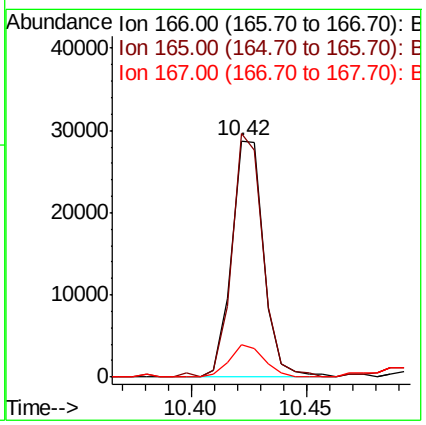
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

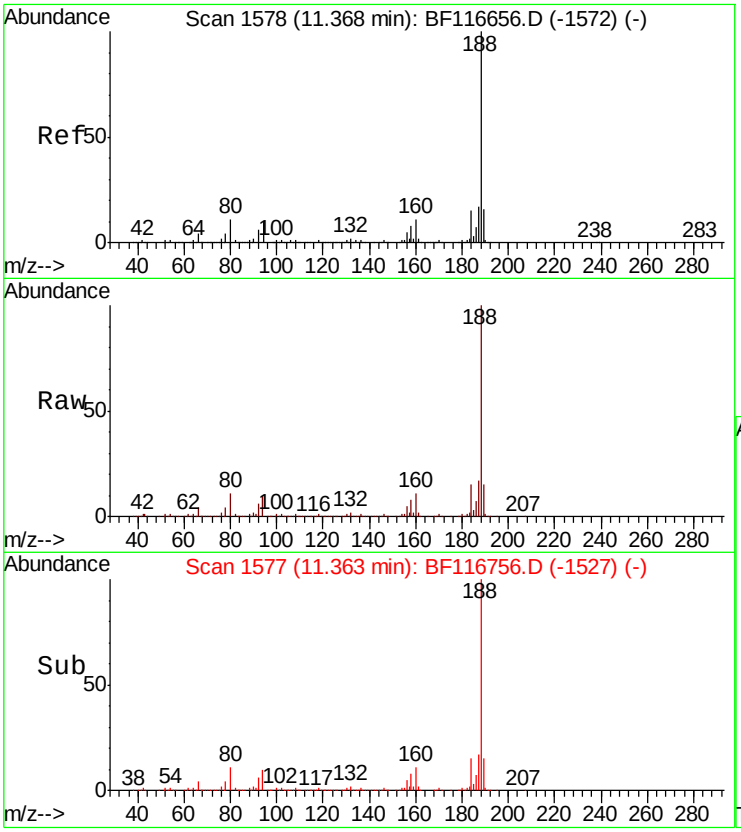


#58
Fluorene
Concen: 2.756 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:166 Resp: 27866

Ion	Ratio	Lower	Upper
166	100		
165	102.9	78.8	118.2
167	13.8	10.0	15.0

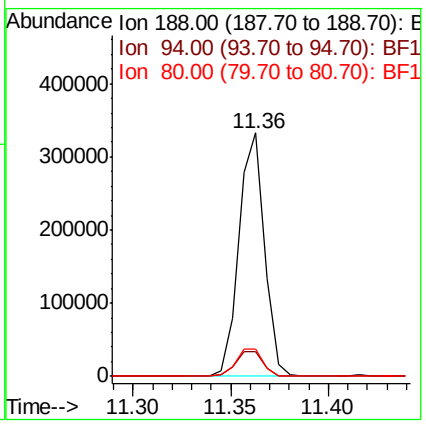




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

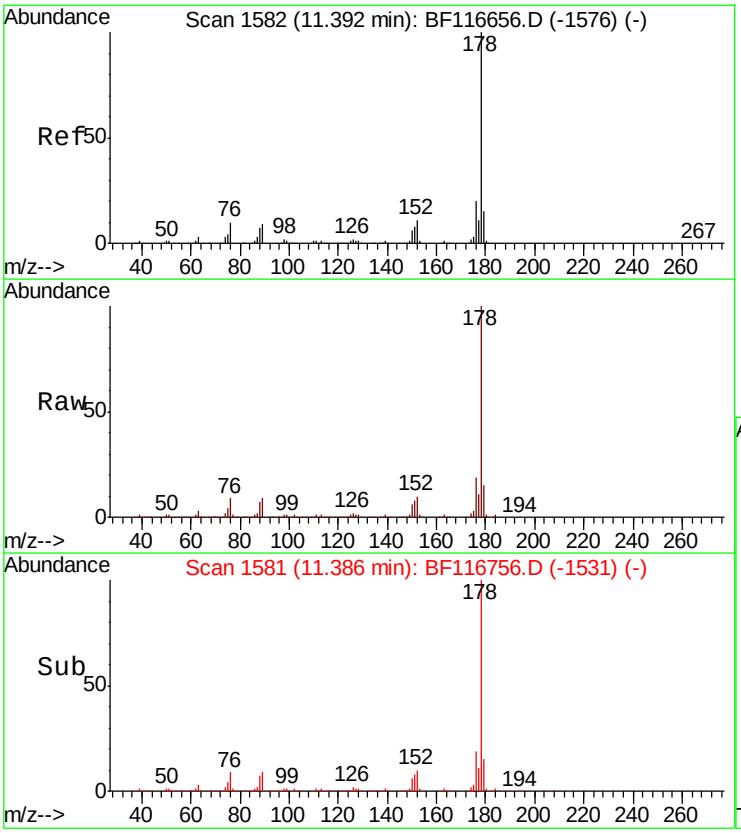
Tgt Ion:188 Resp: 301333

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.3	10.9
80	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

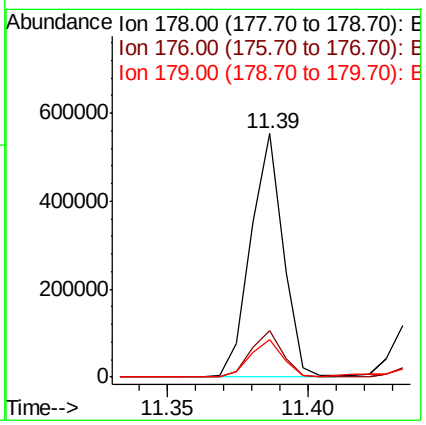
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

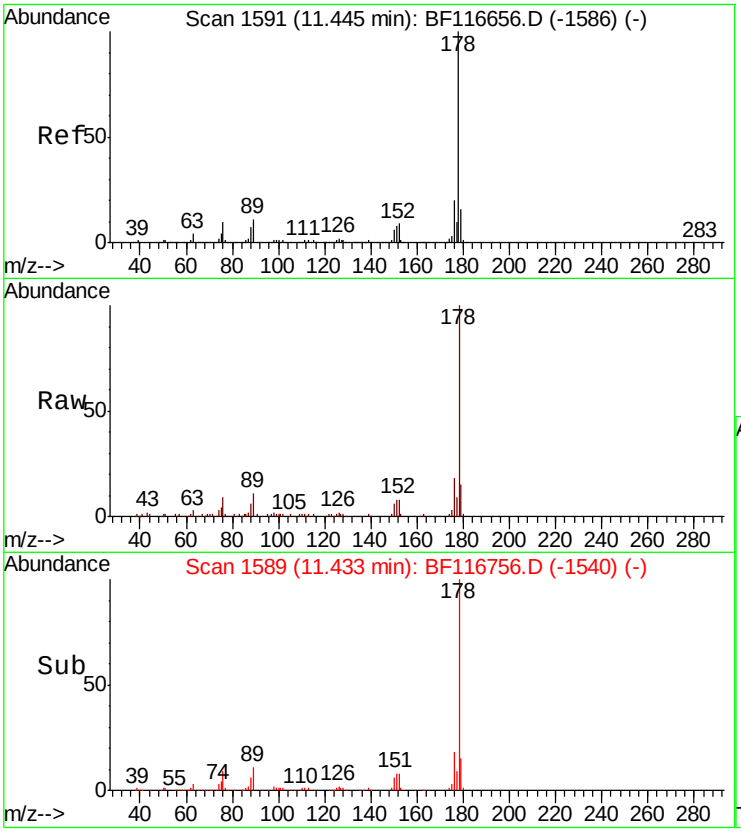


#71
Phenanthrene
Concen: 26.221 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:178 Resp: 439828

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.2	18.2

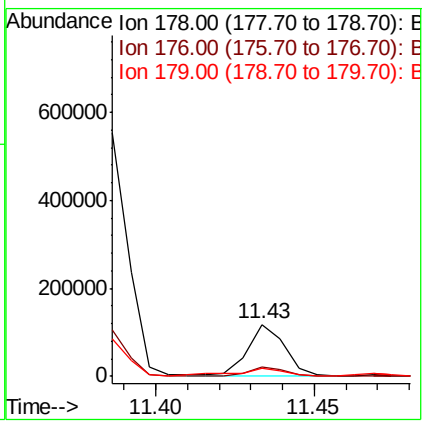




#72
Anthracene
Concen: 5.546 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

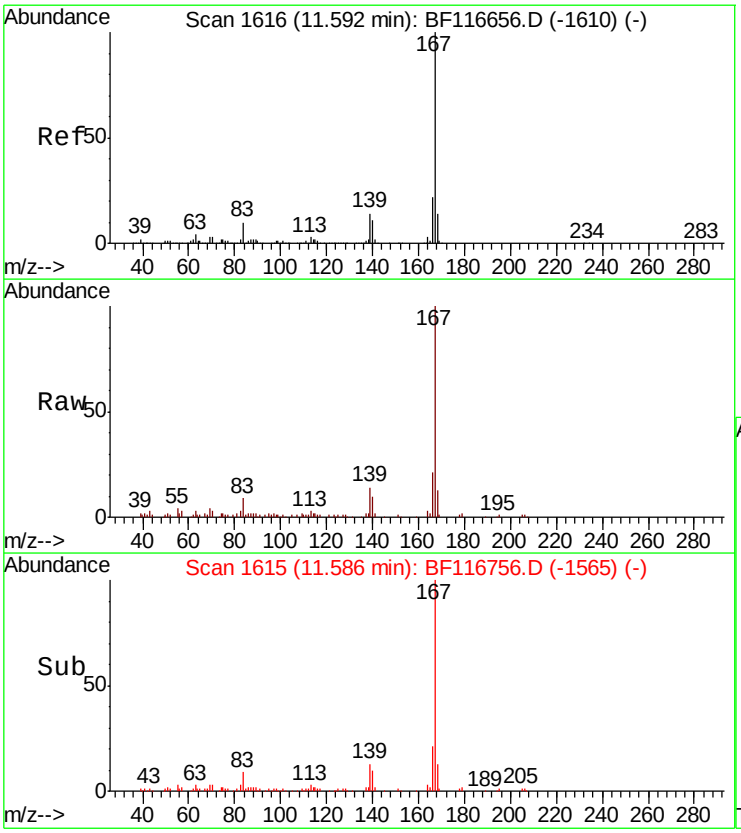
Tgt Ion:178 Resp: 93641

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	14.8	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

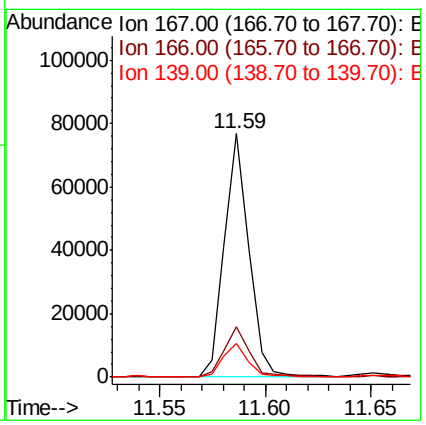
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

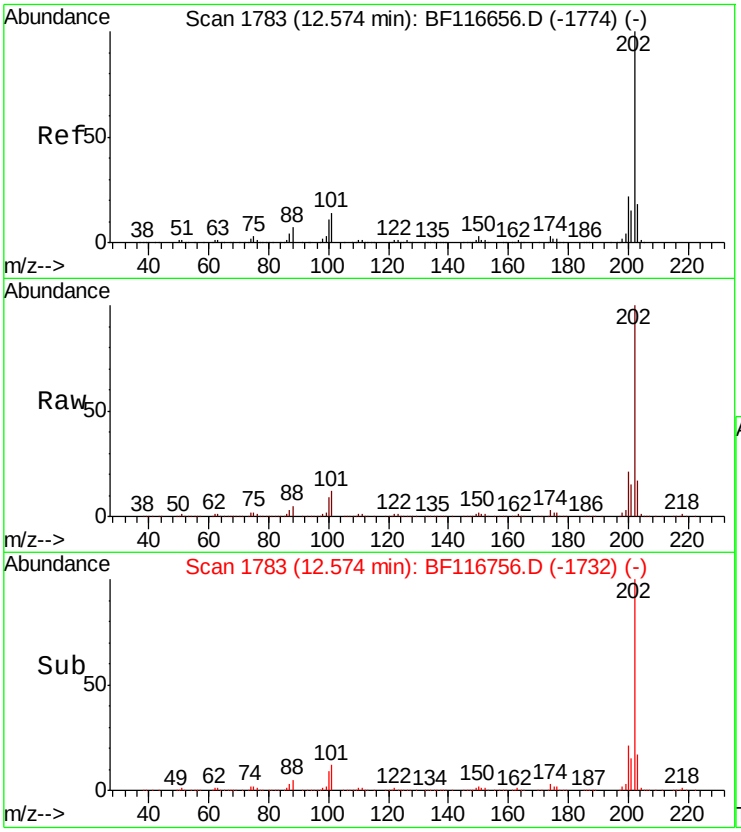


#73
Carbazole
Concen: 3.840 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:167 Resp: 61770

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.8	26.6
139	13.7	11.1	16.7

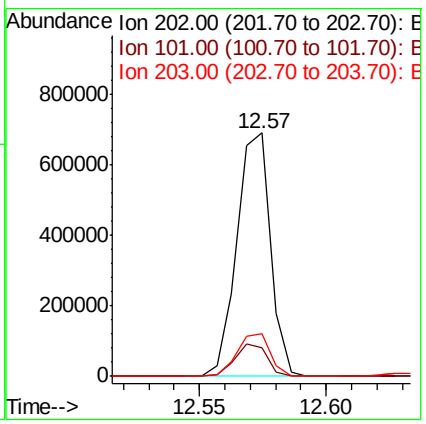




#75
Fluoranthene
Concen: 38.562 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

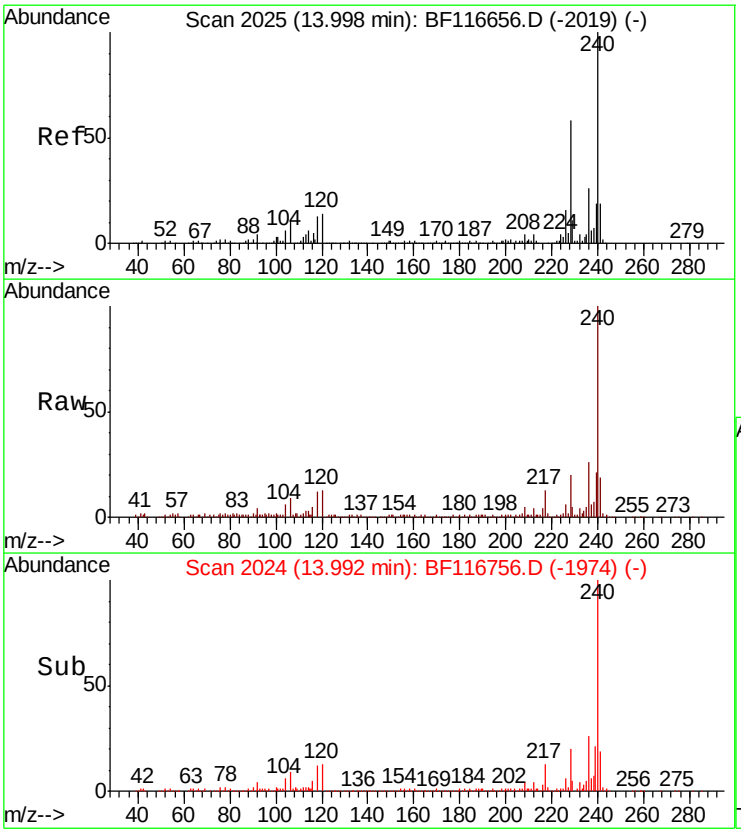
Tgt Ion:202 Resp: 635690

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.3	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

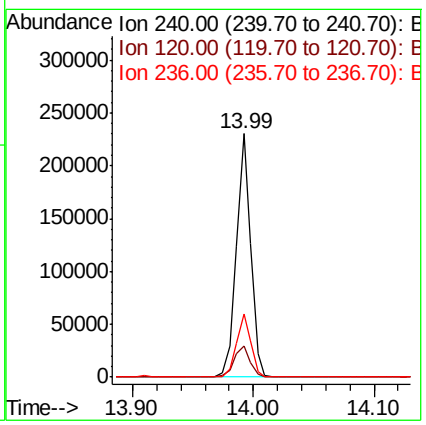
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

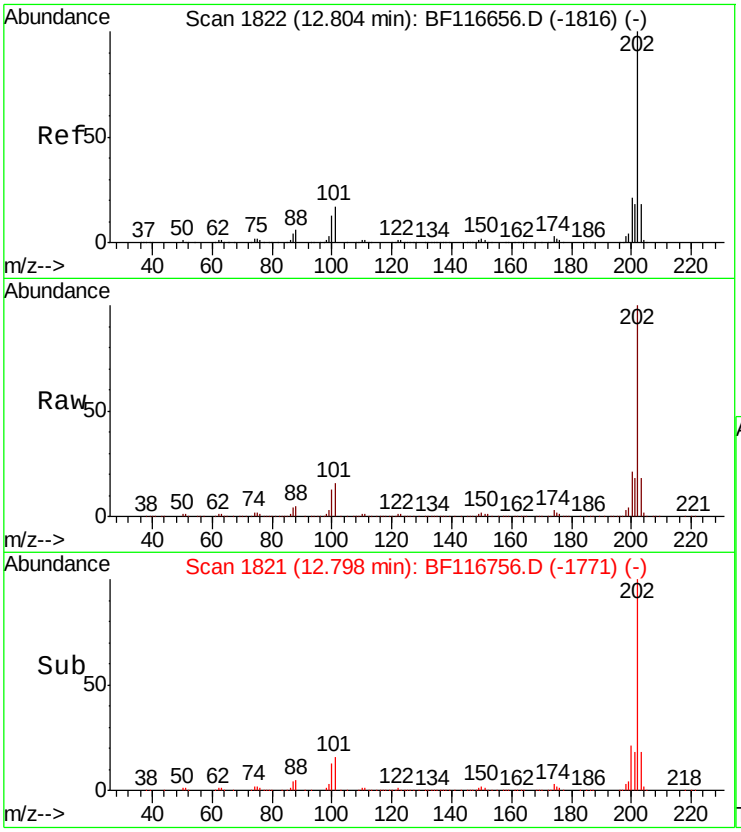


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:240 Resp: 191813

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.1	13.7
236	25.9	21.1	31.7

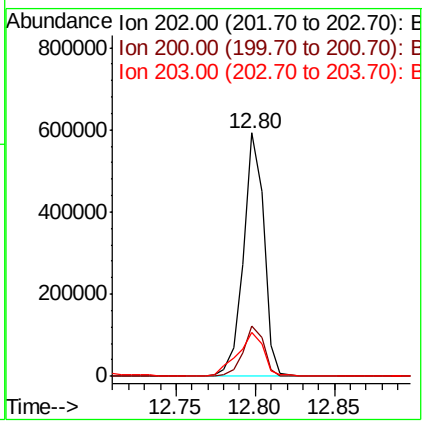




#78
Pyrene
Concen: 30.894 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

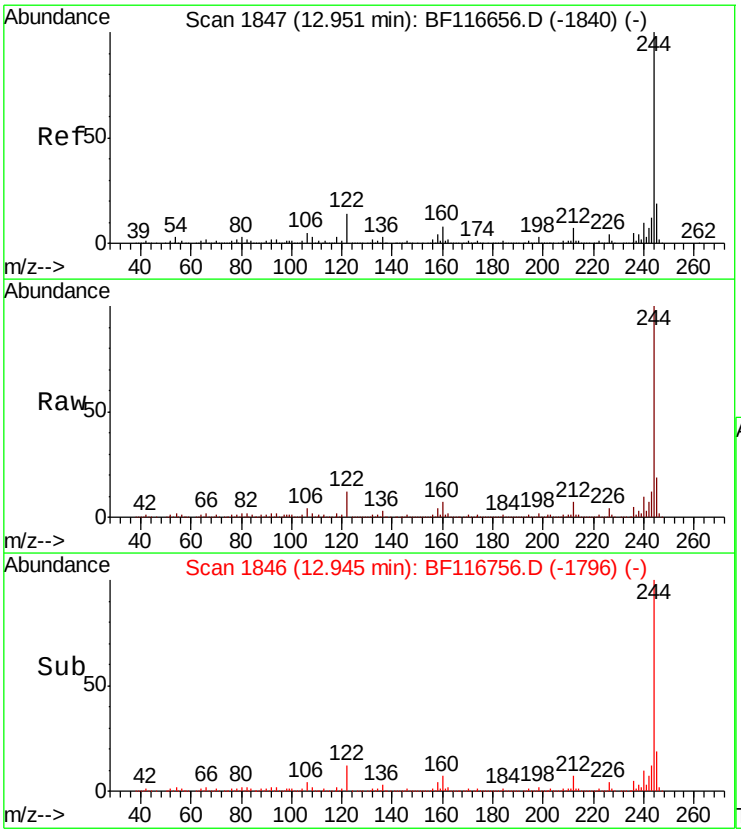
Tgt Ion:202 Resp: 526763

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.8	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

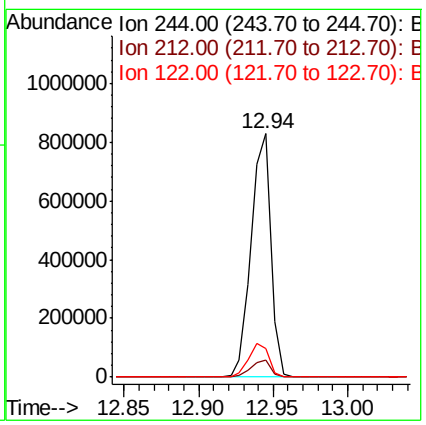
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

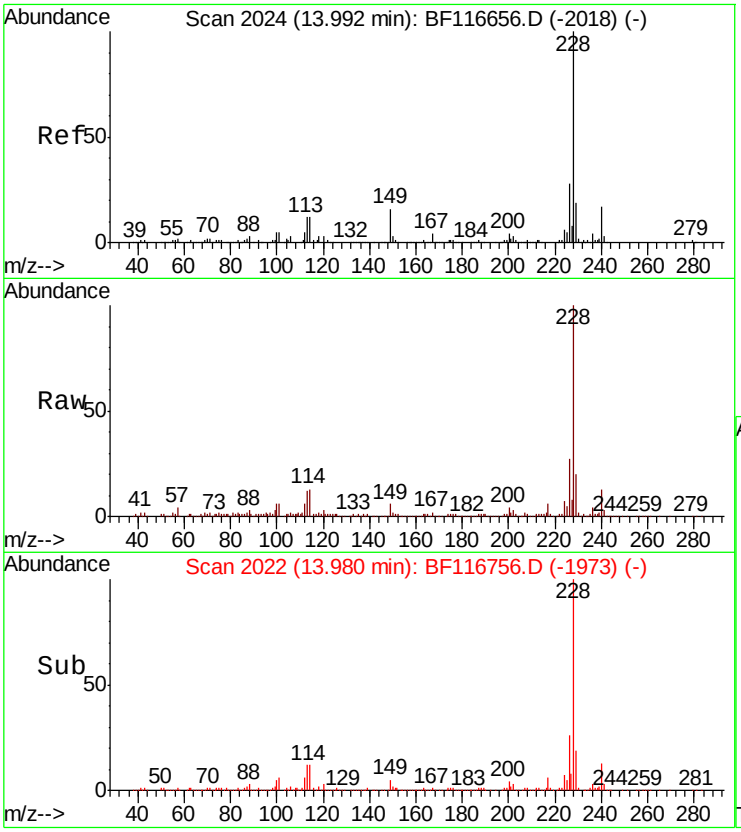


#79
Terphenyl-d14
Concen: 72.699 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:244 Resp: 753791

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	12.0	10.2	15.4

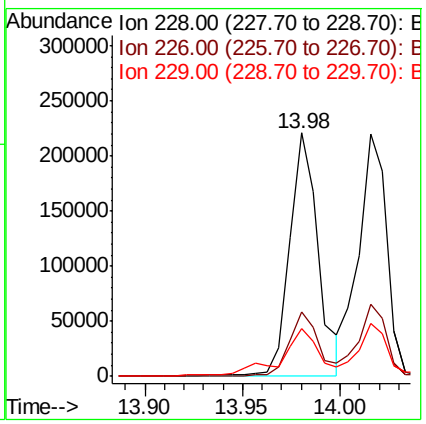




#81
Benzo(a)anthracene
Concen: 18.369 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

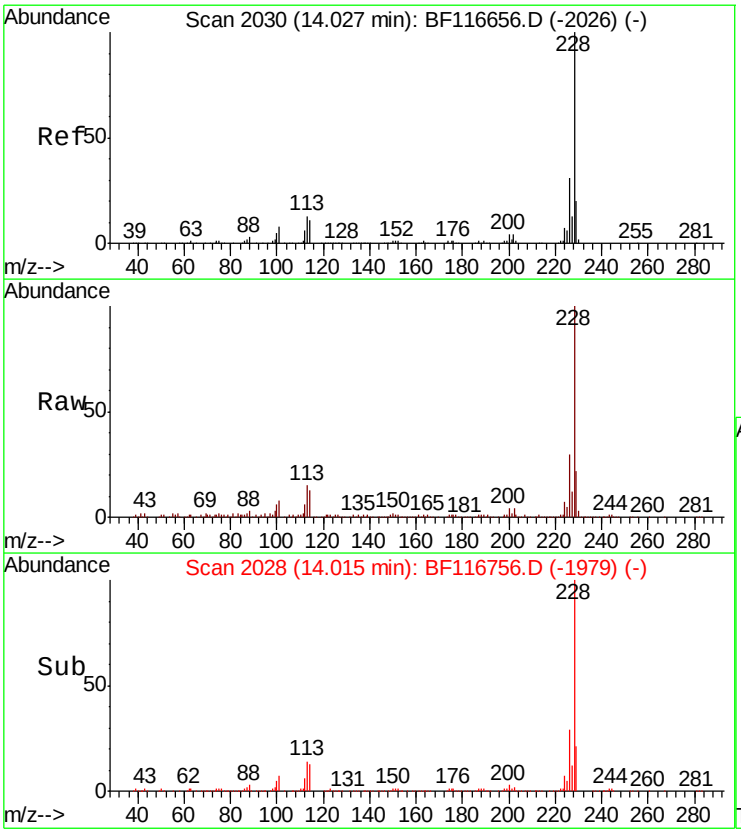
Tgt Ion:228 Resp: 222999

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.0	33.0
229	19.7	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

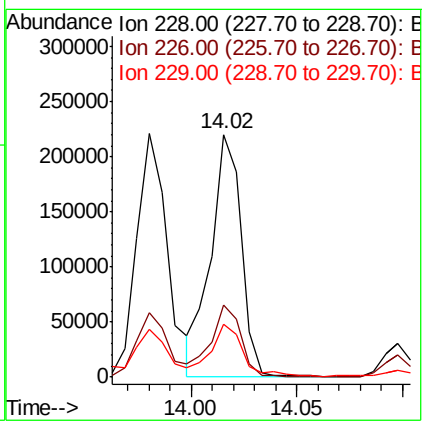
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

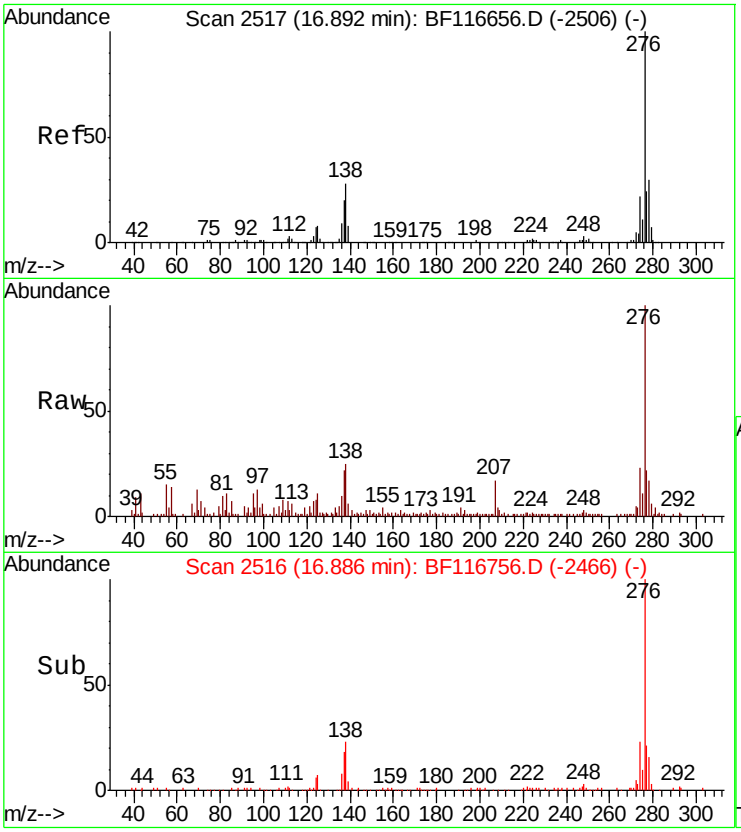


#83
Chrysene
Concen: 17.636 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:228 Resp: 220570

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.8	15.4	23.0

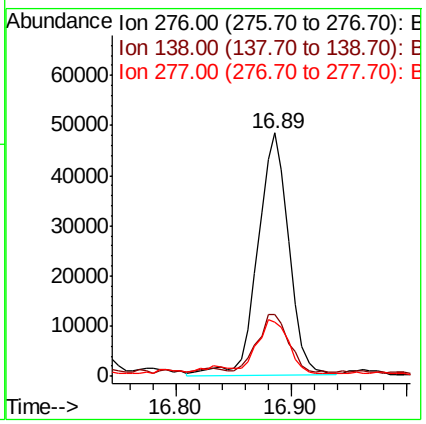




#86
Indeno(1,2,3-cd)pyrene
Concen: 9.037 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

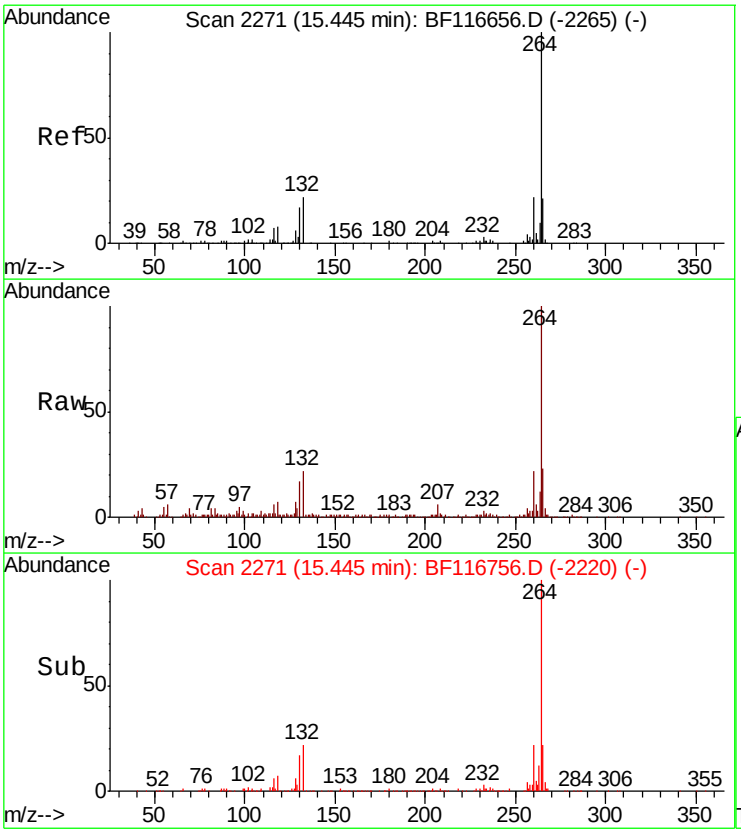
Tgt Ion:276 Resp: 90781

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.4	29.2
277	22.9	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

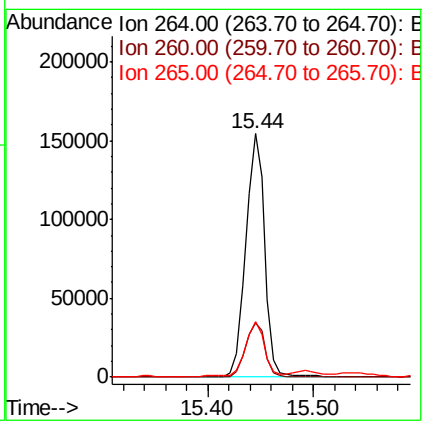
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

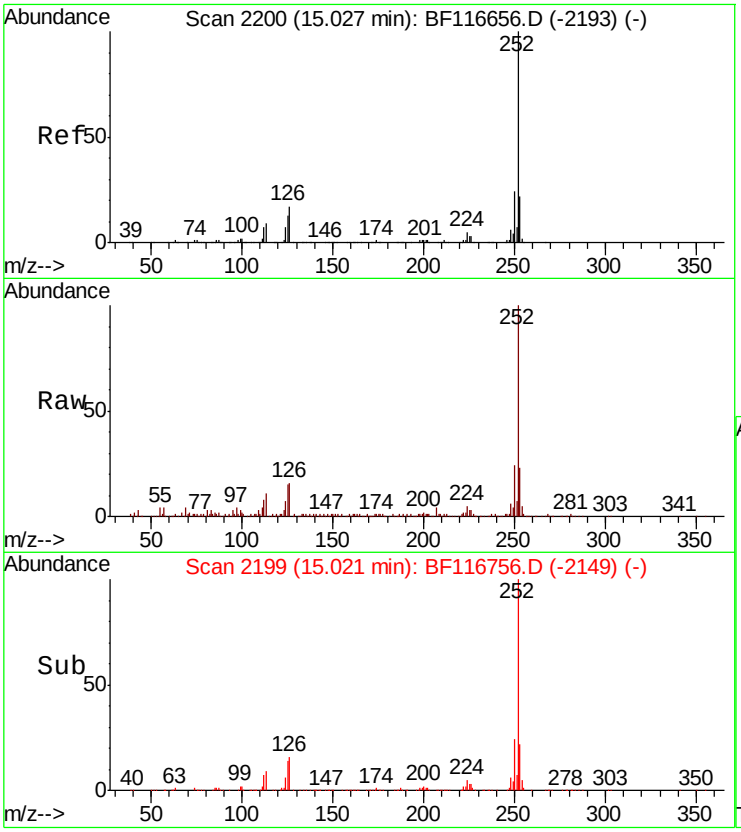


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:264 Resp: 192169

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.3	27.5
265	22.7	16.5	24.7





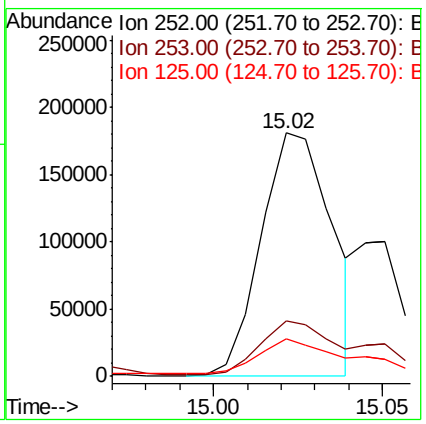
#88
Benzo(b)fluoranthene
Concen: 22.785 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

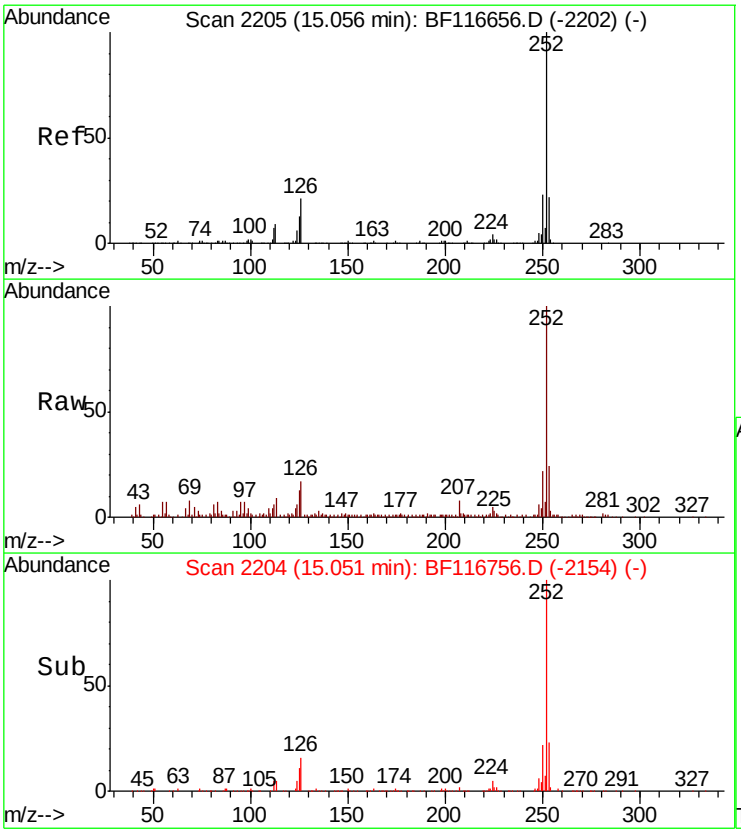
Tgt Ion:252 Resp: 264722

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	15.2	8.2	12.2#

Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

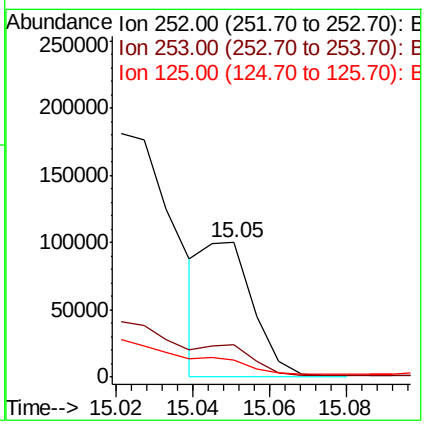


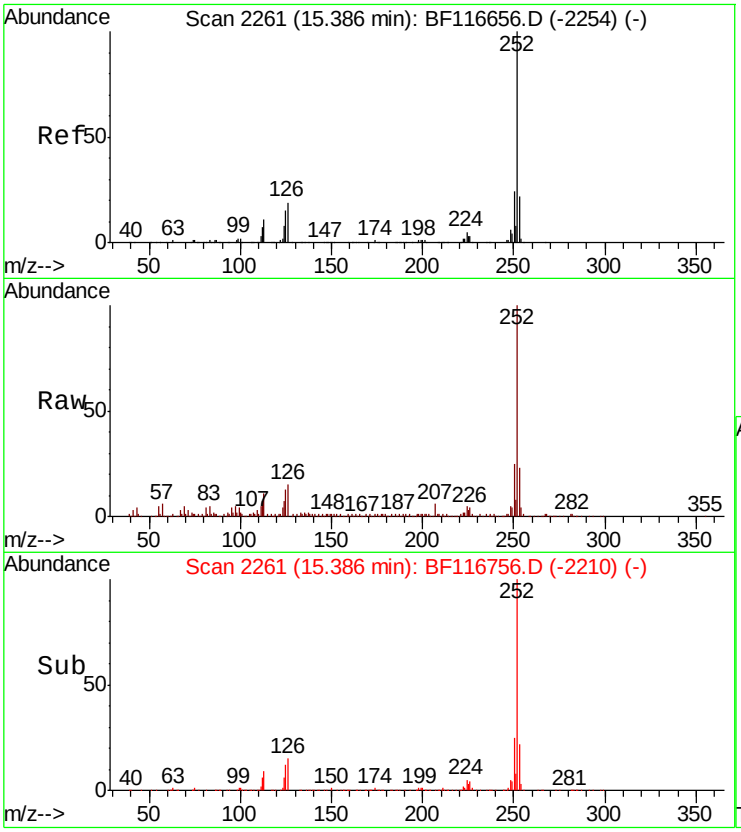


#89
Benzo(k)fluoranthene
Concen: 8.698 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:252 Resp: 92138

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	13.1	8.6	13.0#

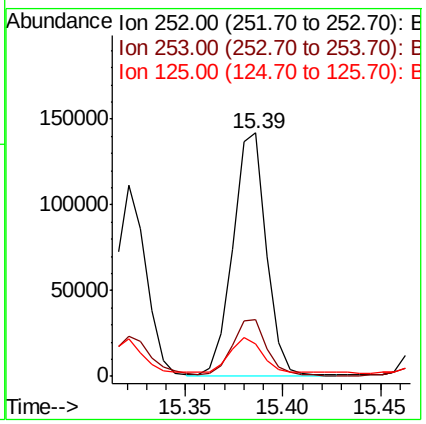




#90
Benzo(a)pyrene
Concen: 16.618 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

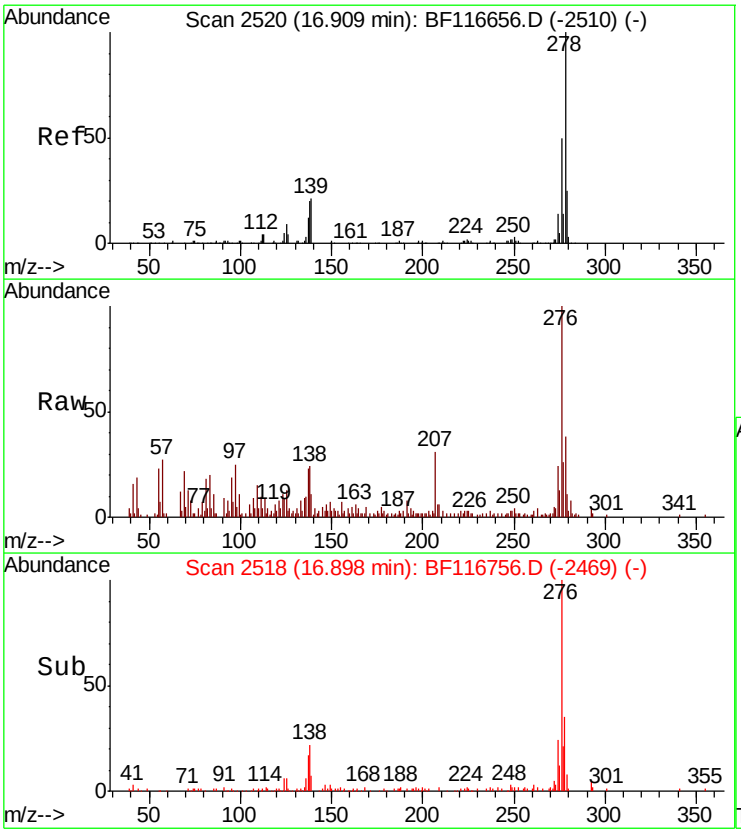
Tgt Ion:252 Resp: 167977

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	13.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

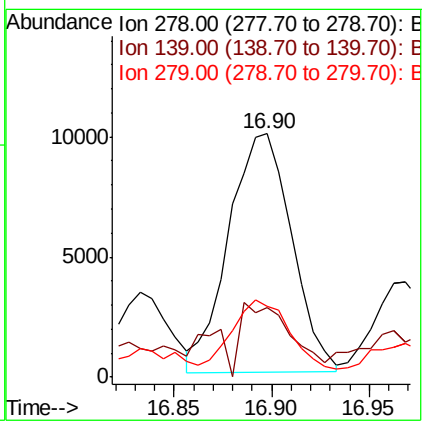
Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM

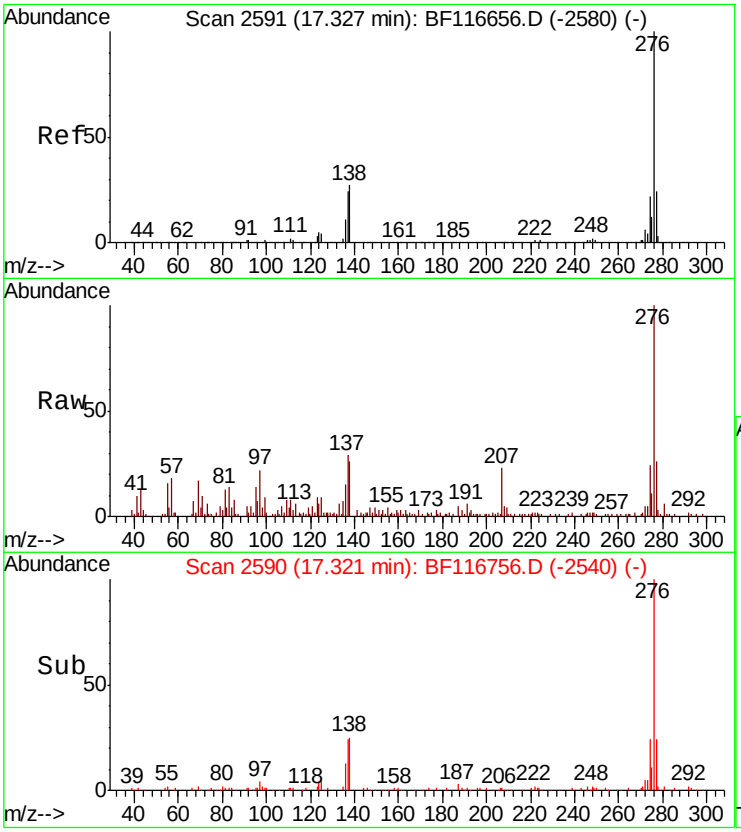


#91
Dibenzo(a,h)anthracene
Concen: 2.524 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:278 Resp: 22335

Ion	Ratio	Lower	Upper
278	100		
139	28.4	12.4	18.6#
279	28.8	18.2	27.4#

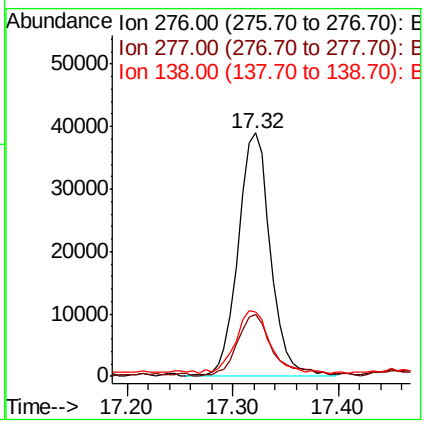




#92
Benzo(g,h,i)perylene
Concen: 9.267 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF116756.D
Acq: 1 Sep 2019 21:24

Tgt Ion:276 Resp: 83616

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	26.4	16.2	24.2#



Instrument :
BNA_F
ClientSampleId :
S703A-N-1.0-1.5-082719

Manual Integrations APPROVED
mohammad
9/5/2019 9:54:56 AM