Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117041.D
Acq On : 13 Sep 2019 23:45
Operator : HP/JU
Sample : K4837-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

Quant Time: Sep 14 01:24:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70976	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	284594	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	142213	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	207815	20.00	ng	0.00
76) Chrysene-d12	13.96	240	130120	20.00	ng	-0.01
87) Perylene-d12	15.41	264	143366	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	444751	97.83	ng	0.00
7) Phenol-d6	6.46	99	624284	106.26	ng	0.00
23) Nitrobenzene-d5	7.38	82	394814	72.89	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	118738	99.90	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	636741	70.01	ng	0.00
79) Terphenyl-d14	12.91	244	433296	62.24	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.56	163	122968	12.212	ng	99
71) Phenanthrene	11.36	178	95185	8.064	ng	99
72) Anthracene	11.41	178	30188	2.505	ng	98
75) Fluoranthene	12.54	202	179080	14.765	ng	99
78) Pyrene	12.77	202	151087	13.838	ng	99
81) Benzo(a)anthracene	13.95	228	58203	6.695	ng	98
83) Chrysene	13.99	228	52787	6.226	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	24077	3.892	ng	95
88) Benzo(b)fluoranthene	14.99	252	64701m	7.450	ng	
89) Benzo(k)fluoranthene	15.02	252	22590m	2.746	ng	
90) Benzo(a)pyrene	15.34	252	47819	6.275	ng	# 93
92) Benzo(g,h,i)perylene	17.27	276	23825	3.938	ng	96

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

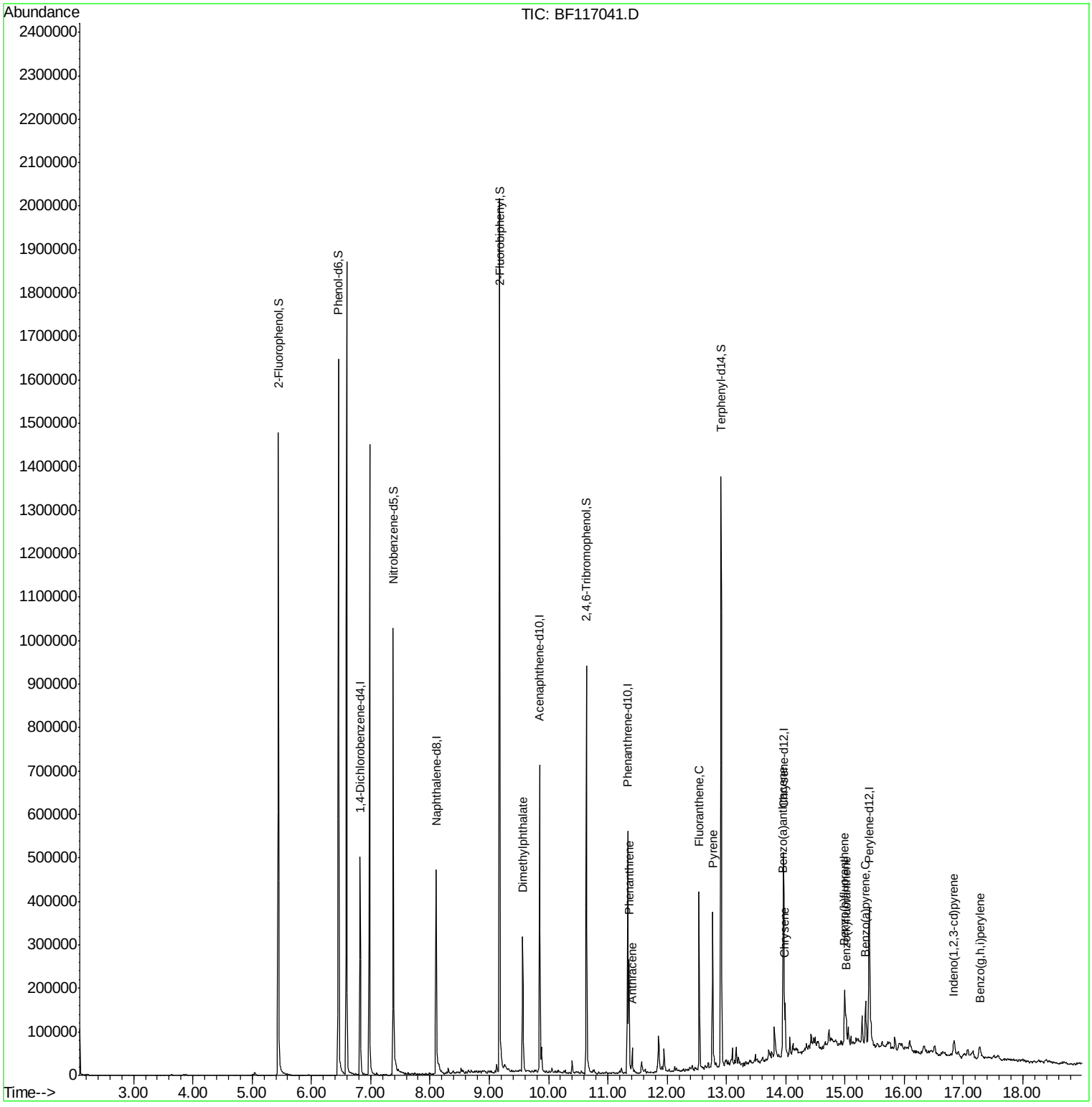
Quantitation Report (LSC Reviewed)

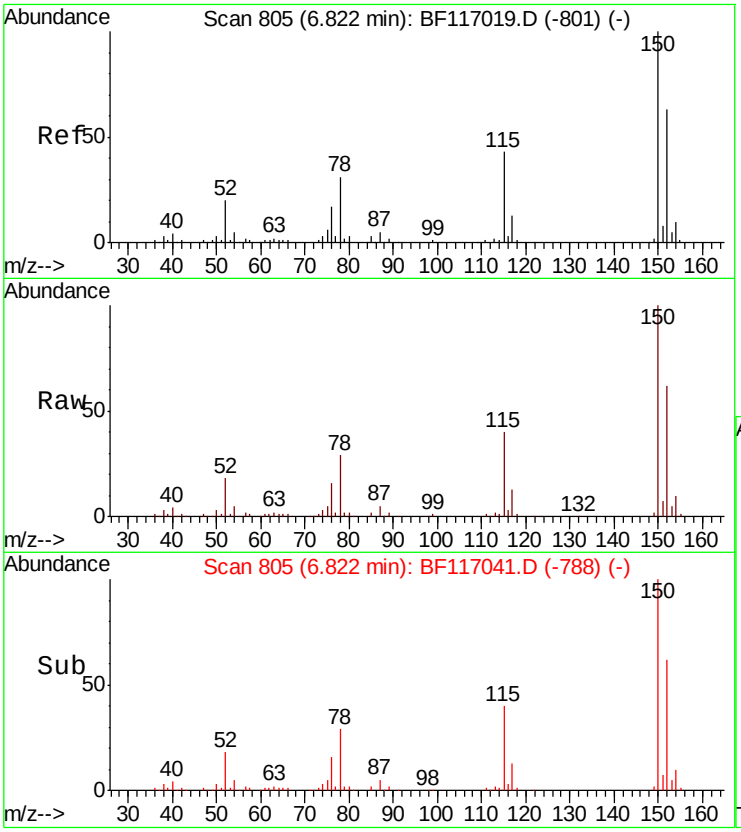
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117041.D
Acq On : 13 Sep 2019 23:45
Operator : HP/JU
Sample : K4837-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 14 01:24:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

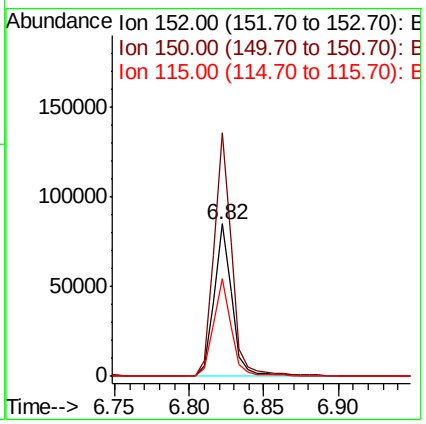




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

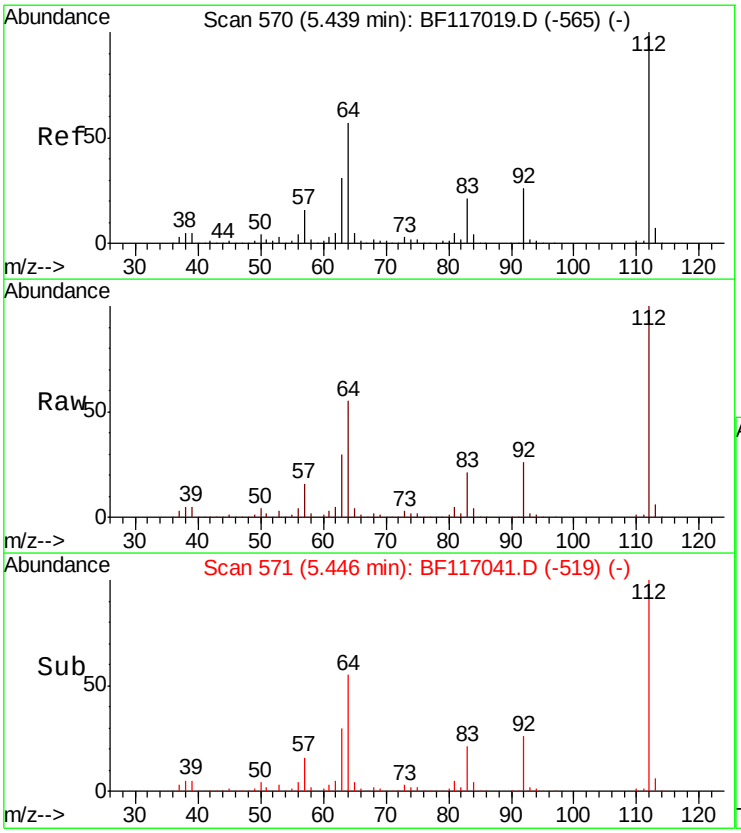
Tgt Ion:152 Resp: 70976

Ion	Ratio	Lower	Upper
152	100		
150	160.0	127.5	191.3
115	64.5	55.0	82.4



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

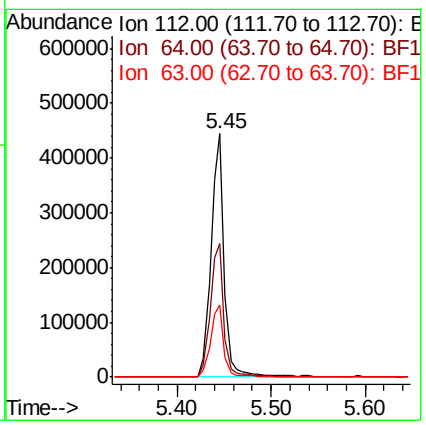
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

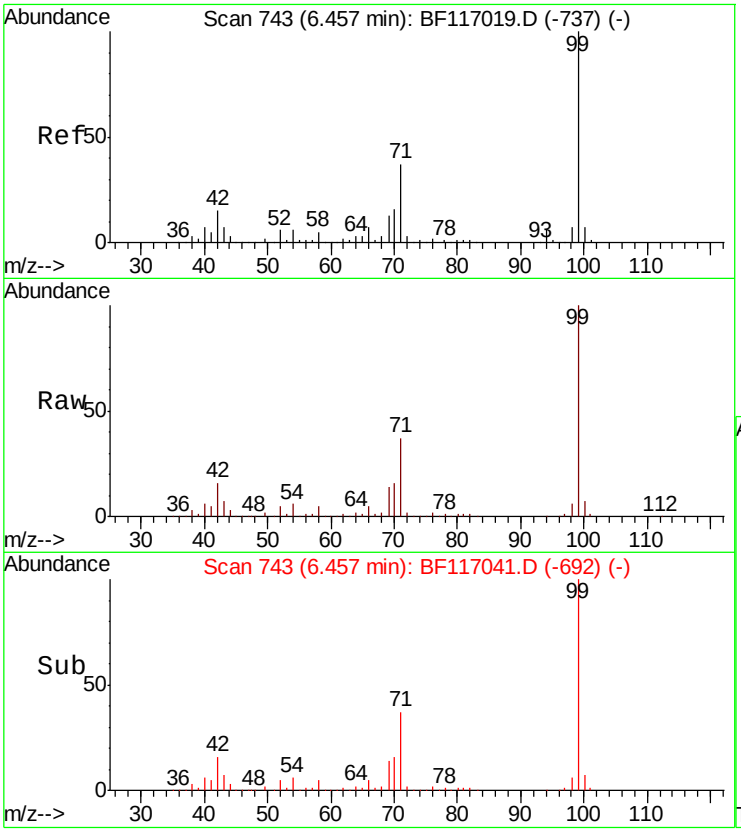


#5
2-Fluorophenol
Concen: 97.831 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:112 Resp: 444751

Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.7	68.5
63	29.8	24.9	37.3

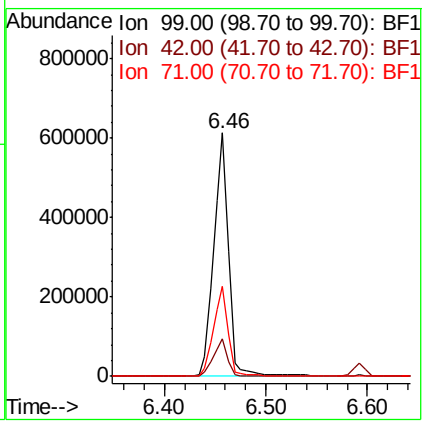




#7
Phenol-d6
Concen: 106.257 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

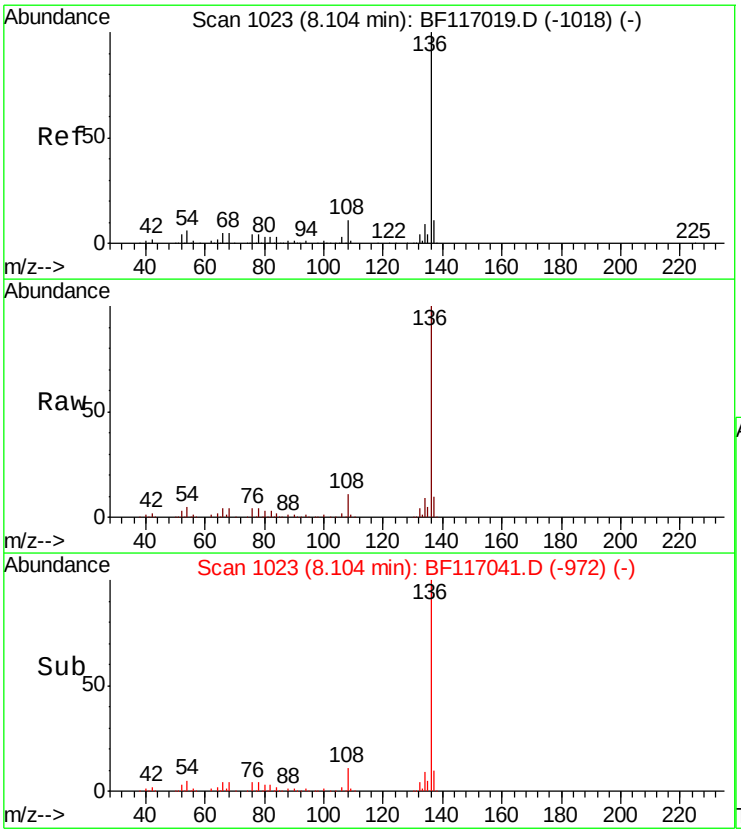
Tgt Ion: 99 Resp: 624284

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.2	18.2
71	37.2	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

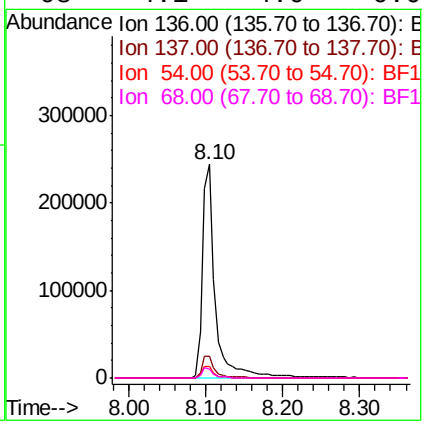
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

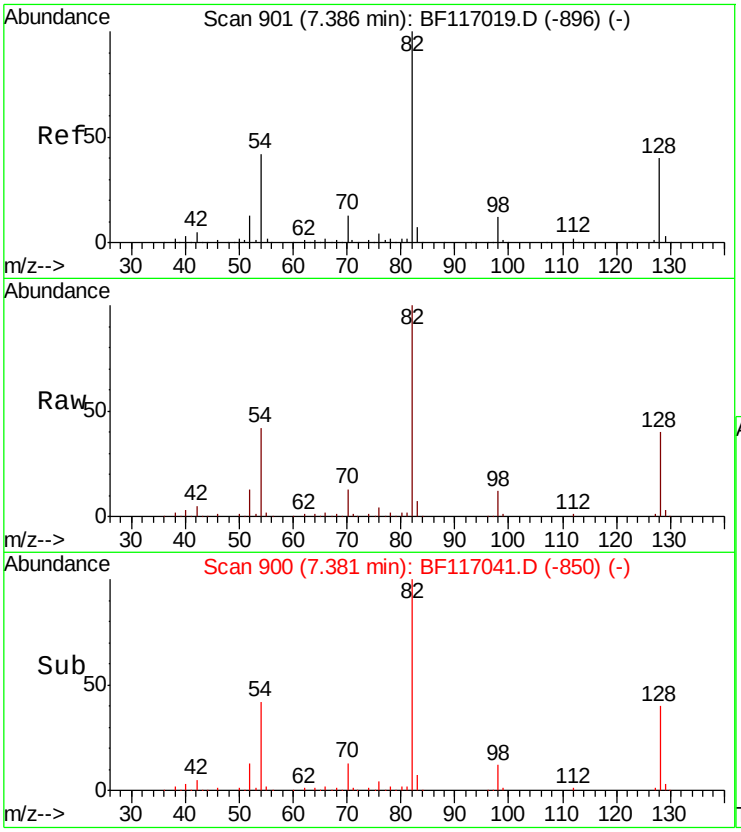


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:136 Resp: 284594

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	5.2	4.5	6.7
68	4.1	4.0	6.0

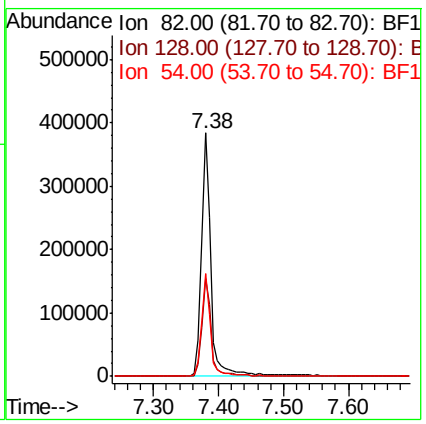




#23
Nitrobenzene-d5
Concen: 72.892 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

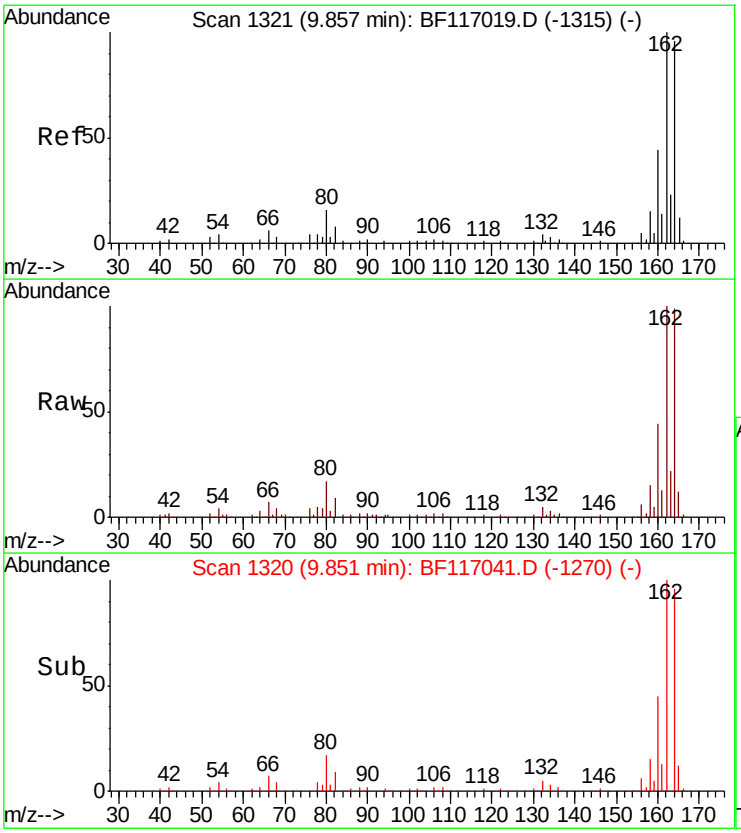
Tgt Ion: 82 Resp: 394814

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.3	48.5
54	42.1	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

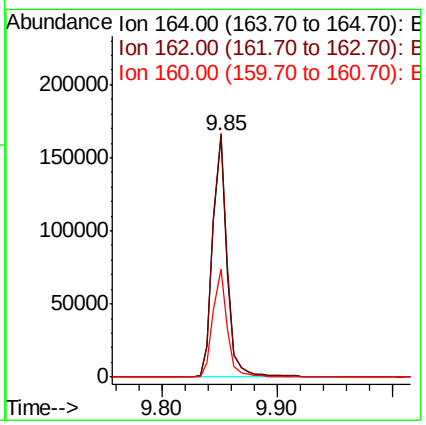
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

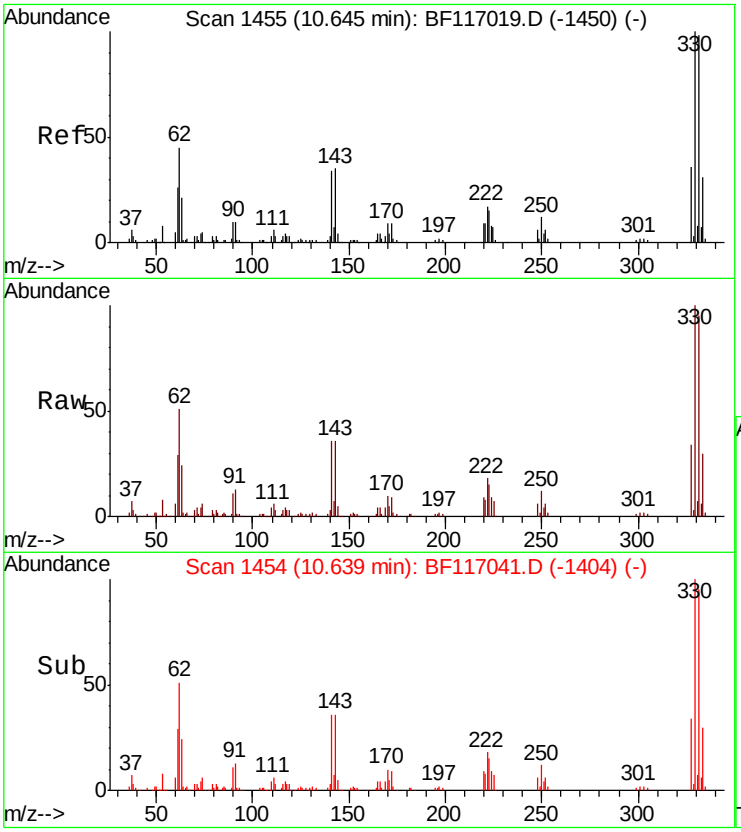


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:164 Resp: 142213

Ion	Ratio	Lower	Upper
164	100		
162	100.7	83.4	125.2
160	44.6	36.4	54.6

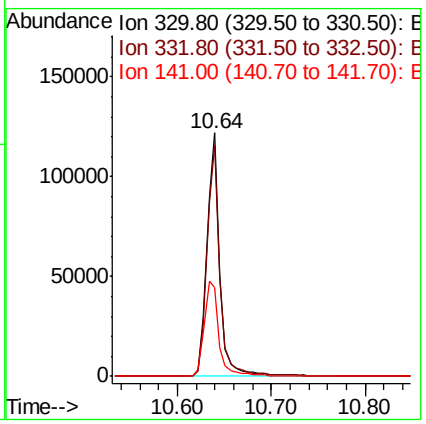




#42
2,4,6-Tribromophenol
Concen: 99.899 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

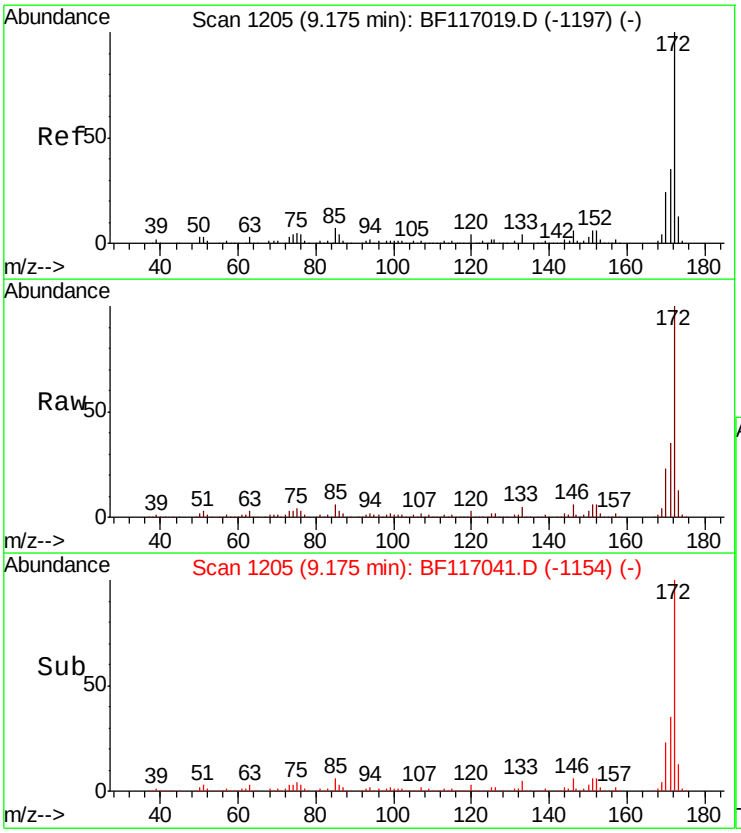
Tgt Ion:330 Resp: 118738

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.0	117.0
141	43.9	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

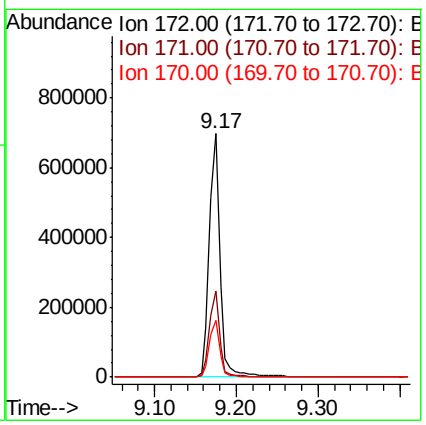
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

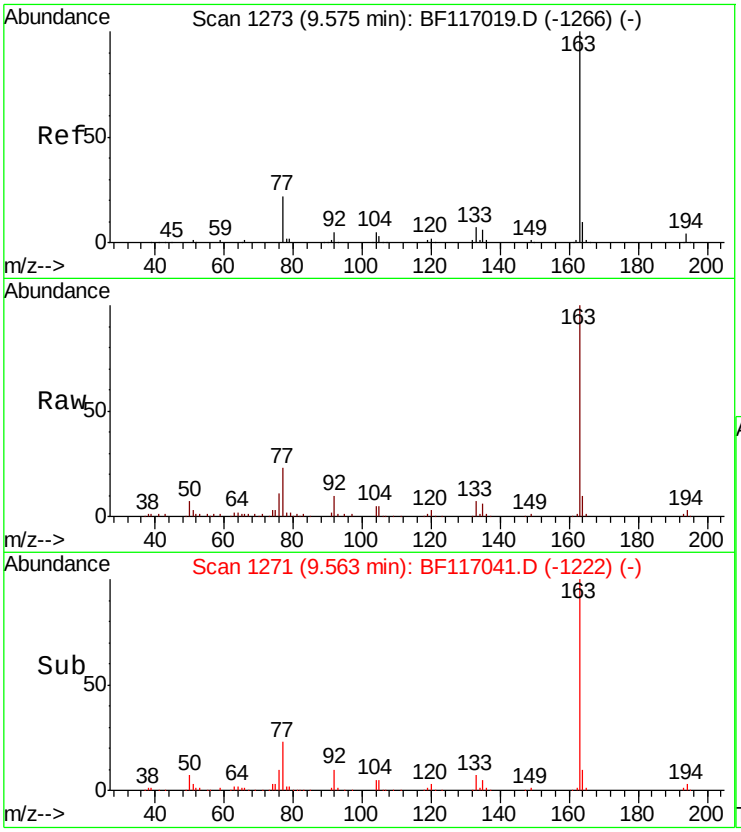


#45
2-Fluorobiphenyl
Concen: 70.007 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:172 Resp: 636741

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	23.2	18.9	28.3

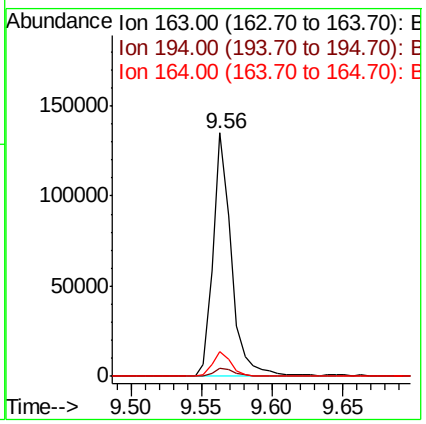




#50
Dimethylphthalate
Concen: 12.212 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

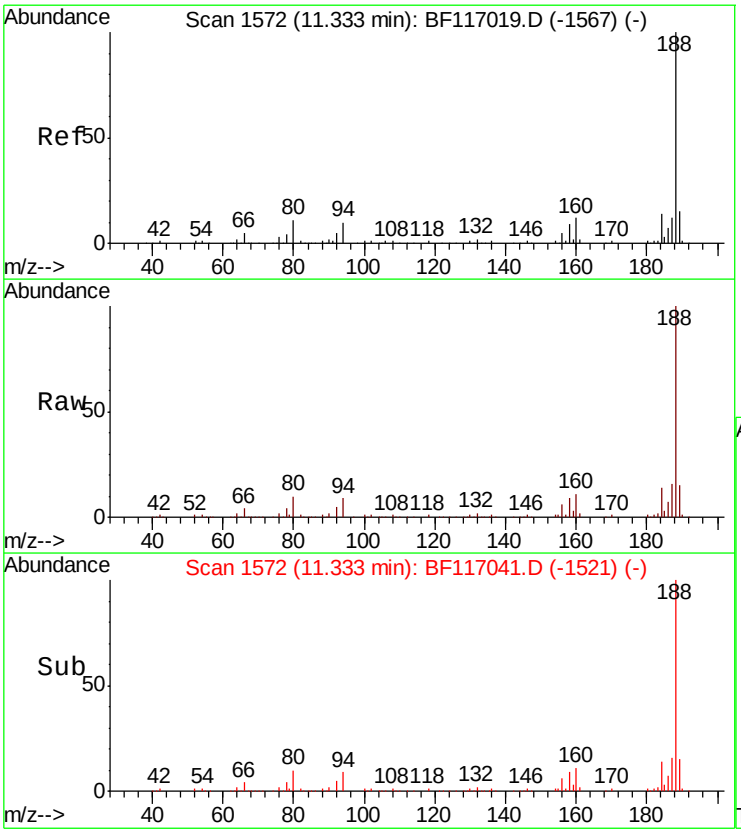
Tgt Ion:163 Resp: 122968

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.9	4.3
164	10.2	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

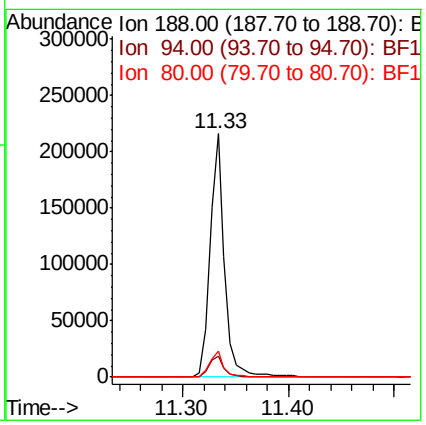
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

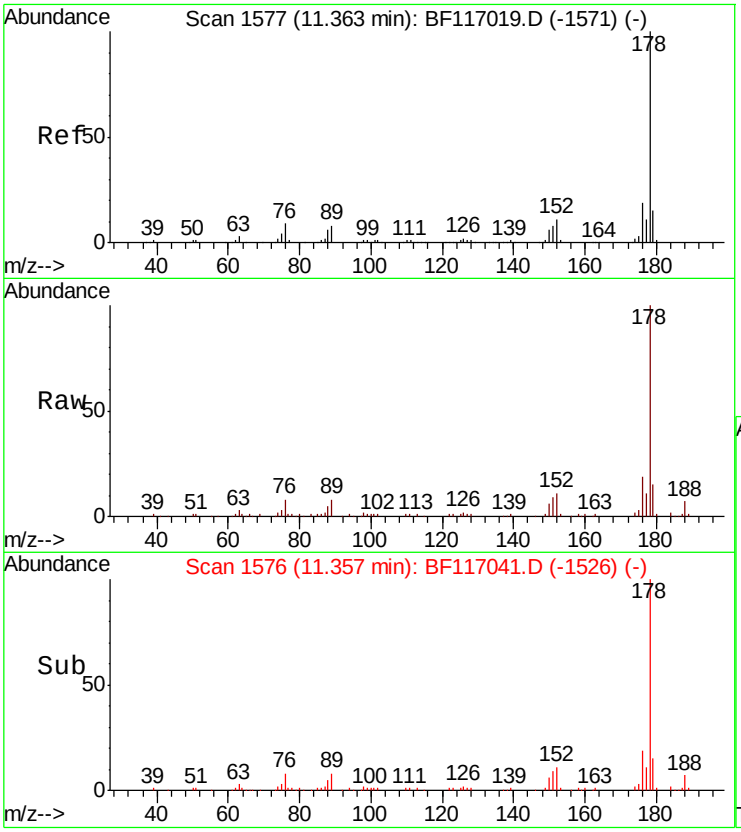


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:188 Resp: 207815

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.5	9.0	13.6

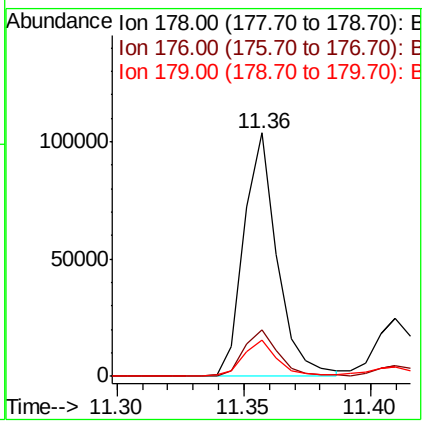




#71
Phenanthrene
Concen: 8.064 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

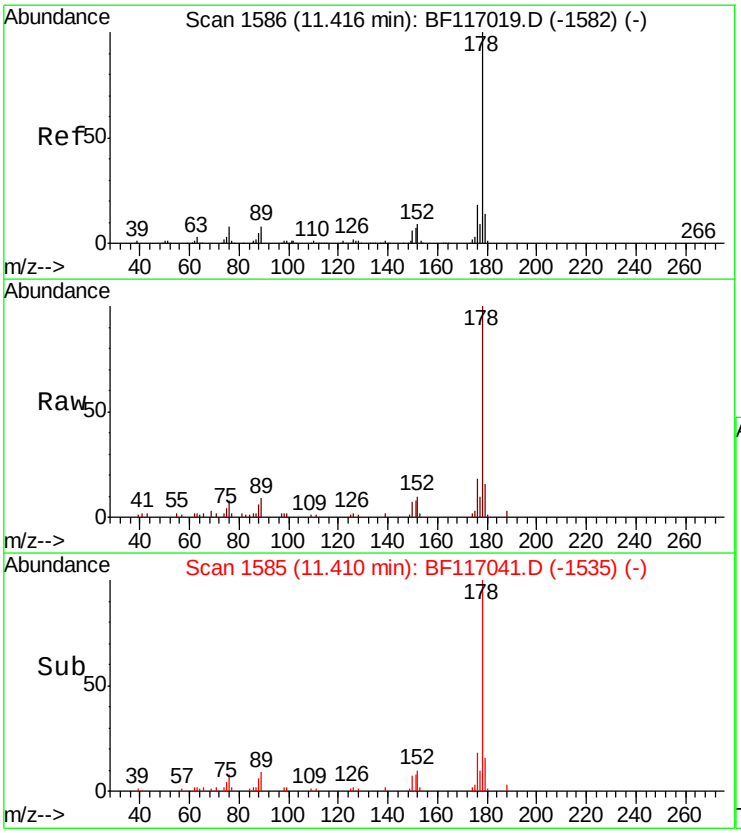
Tgt Ion:178 Resp: 95185

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.0	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

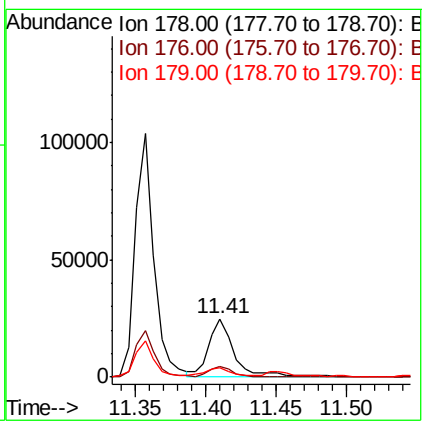
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

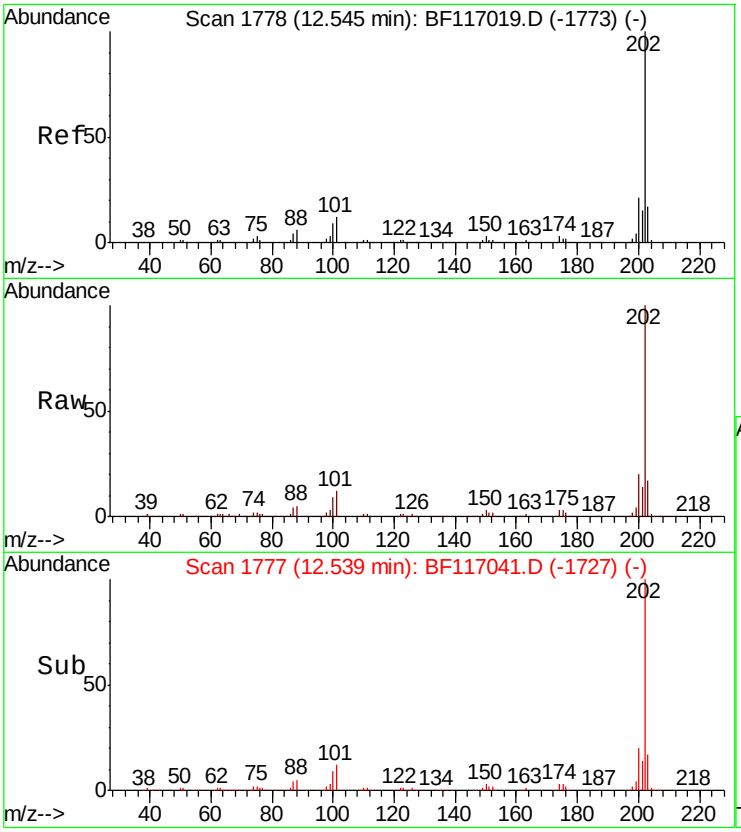


#72
Anthracene
Concen: 2.505 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:178 Resp: 30188

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	16.3	11.6	17.4

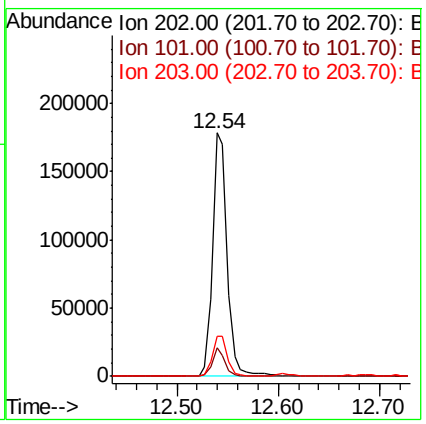




#75
Fluoranthene
Concen: 14.765 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

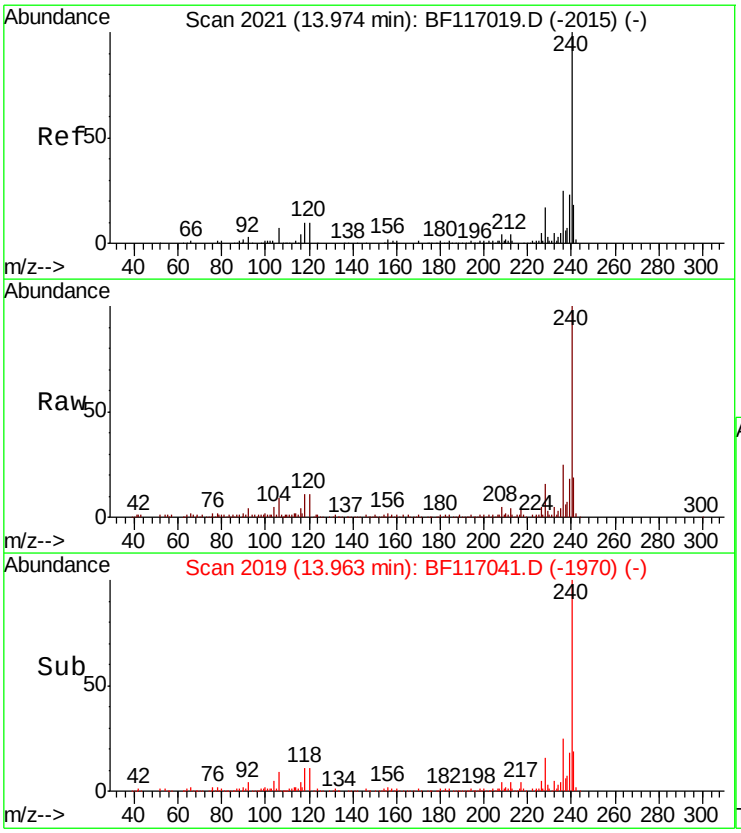
Tgt Ion:202 Resp: 179080

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.3
203	16.6	0.0	37.1



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

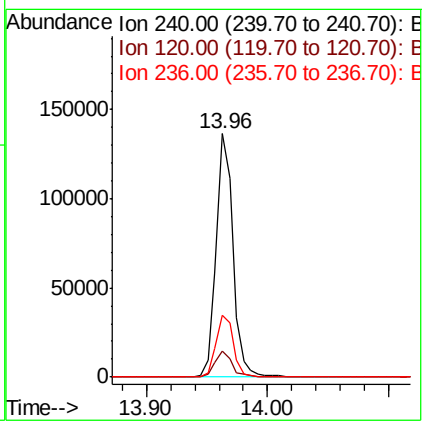
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

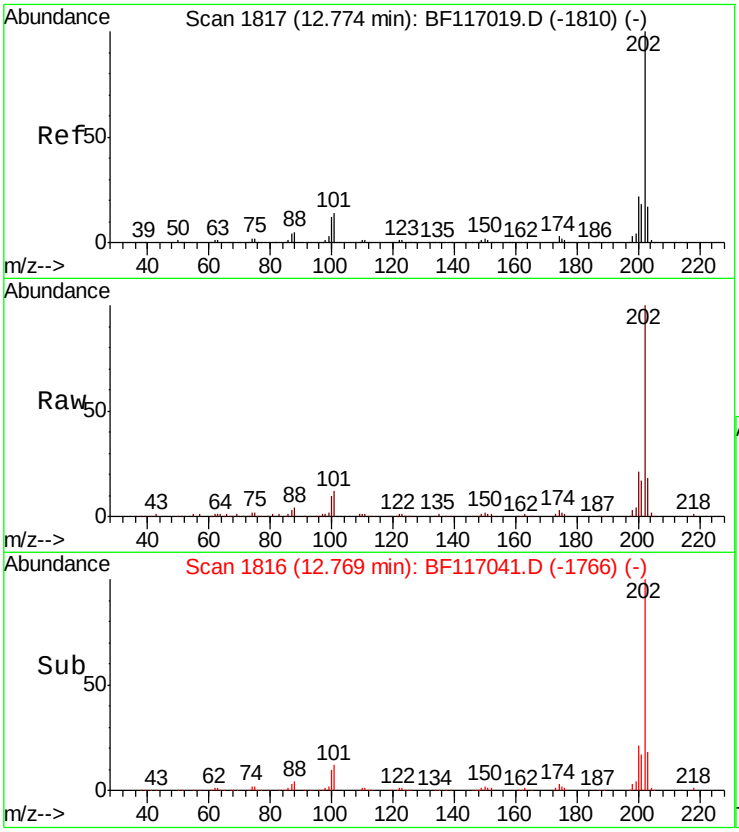


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:240 Resp: 130120

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	25.2	20.3	30.5

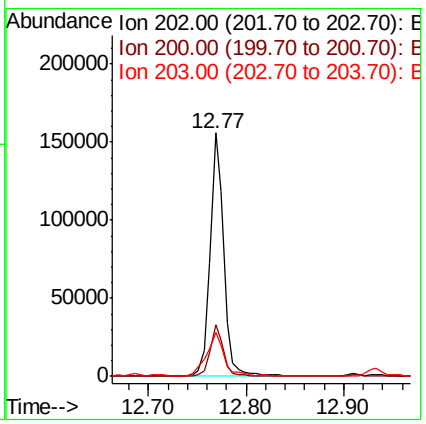




#78
Pyrene
Concen: 13.838 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

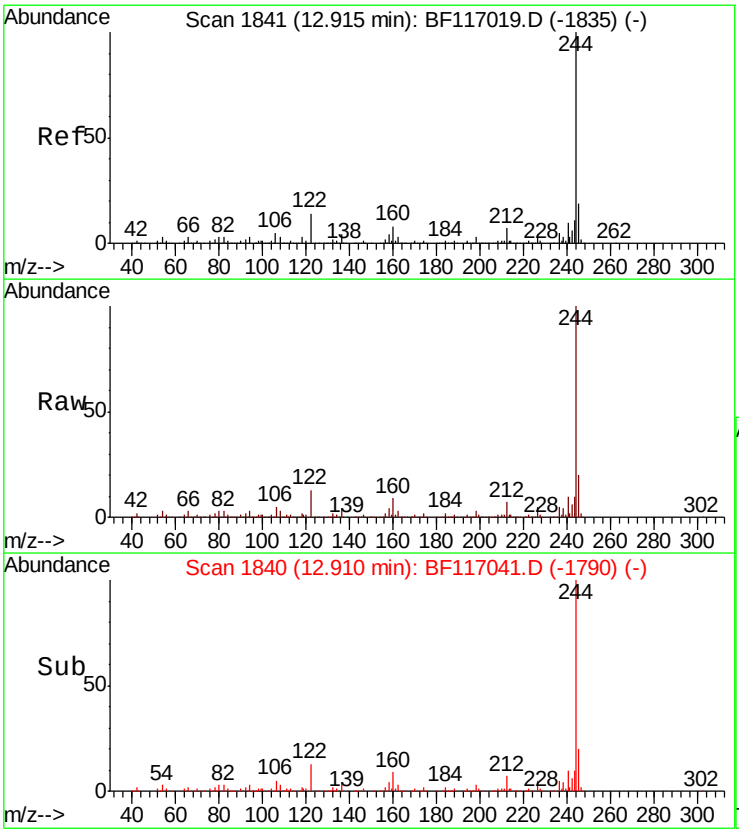
Tgt Ion:202 Resp: 151087

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	18.0	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

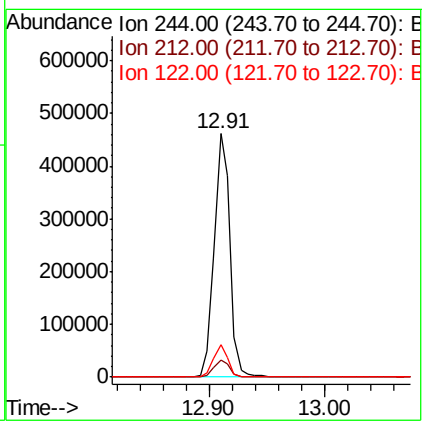
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

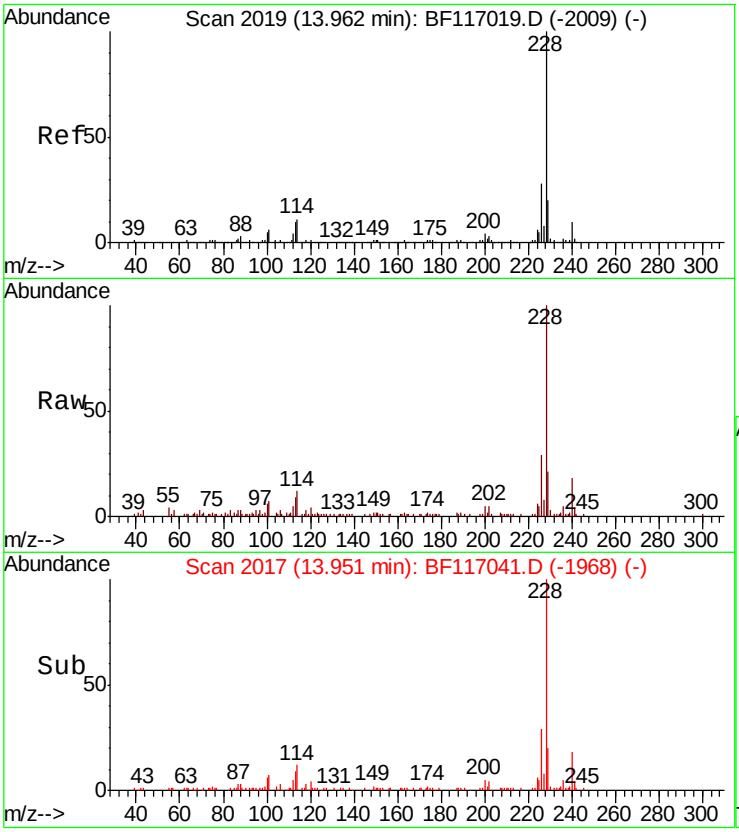


#79
Terphenyl-d14
Concen: 62.245 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:244 Resp: 433296

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.4	11.3	16.9

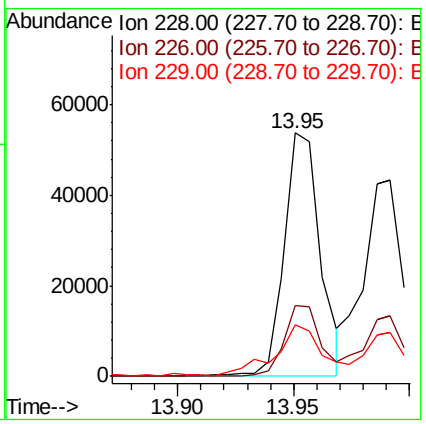




#81
Benzo(a)anthracene
Concen: 6.695 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

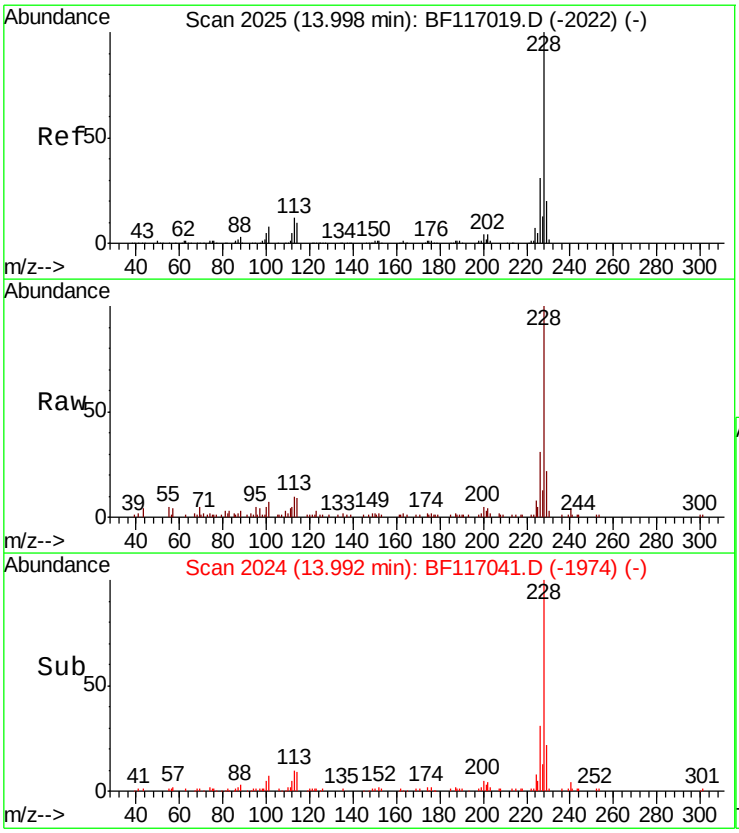
Tgt Ion:228 Resp: 58203

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	20.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

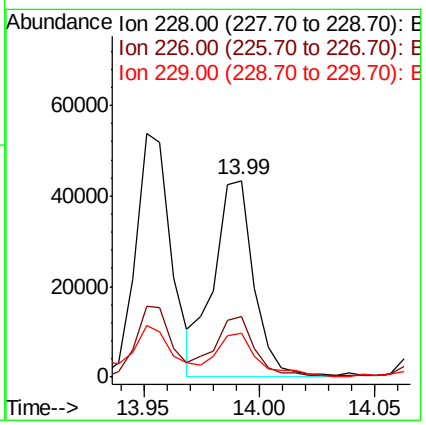
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

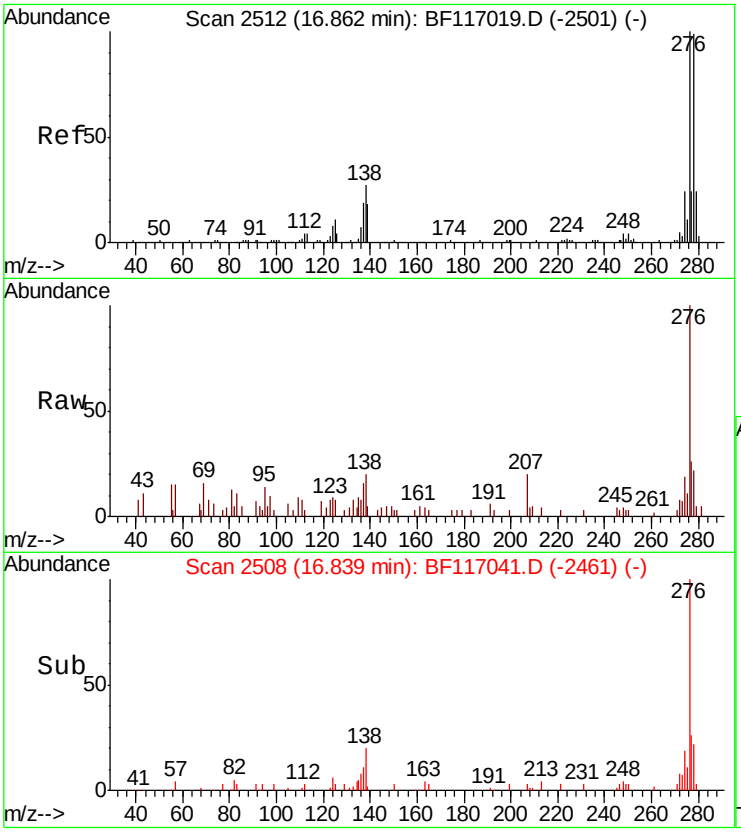


#83
Chrysene
Concen: 6.226 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:228 Resp: 52787

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.8	37.2
229	22.4	15.8	23.8

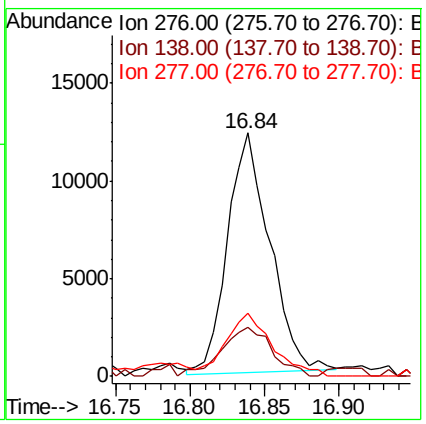




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.892 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

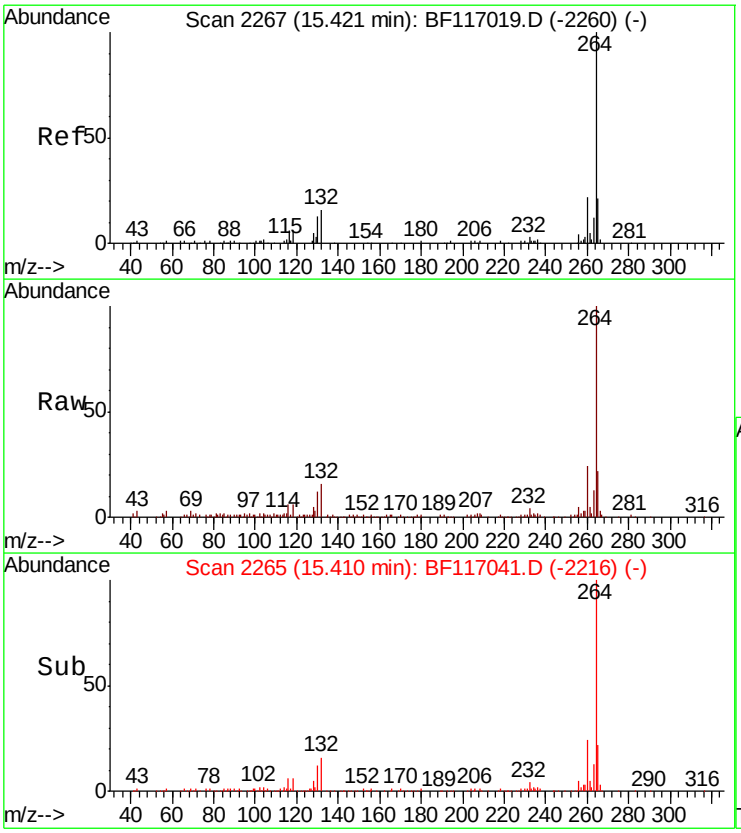
Tgt Ion:276 Resp: 24077

Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.7	31.1
277	29.1	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

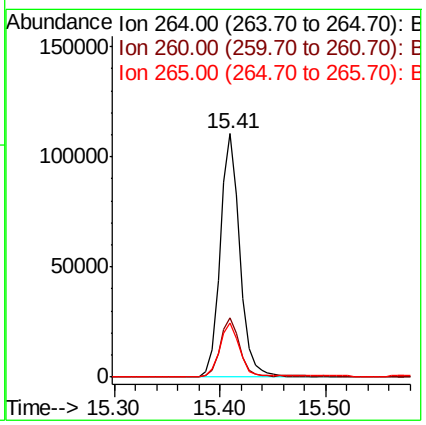
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

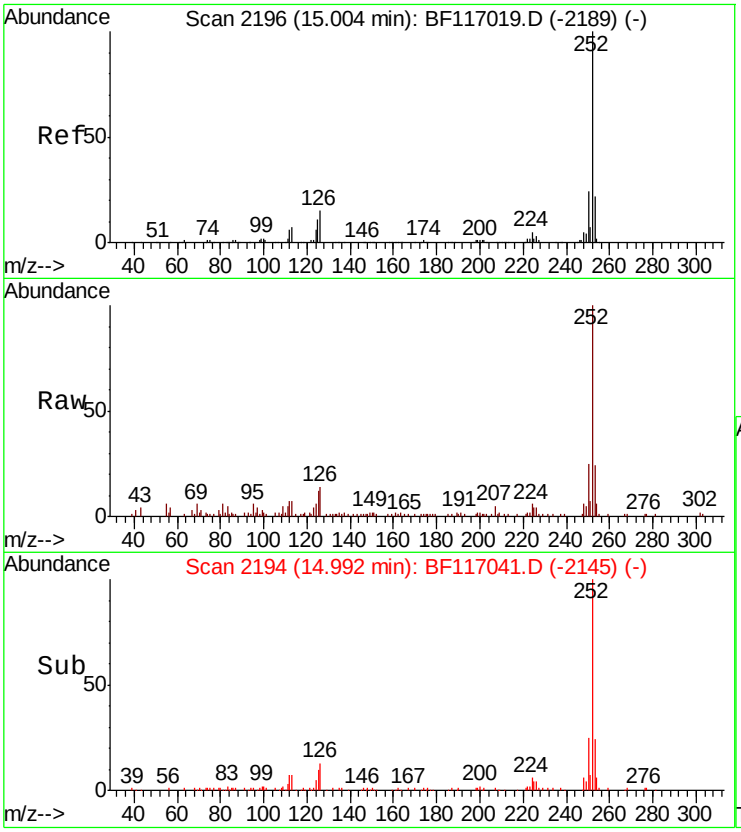


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:264 Resp: 143366

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.6	26.4
265	22.5	16.6	24.8

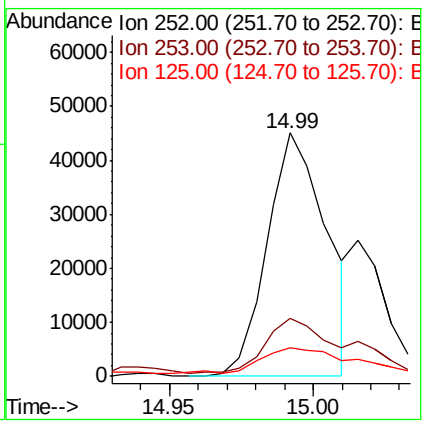




#88
Benzo(b)fluoranthene
Concen: 7.450 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

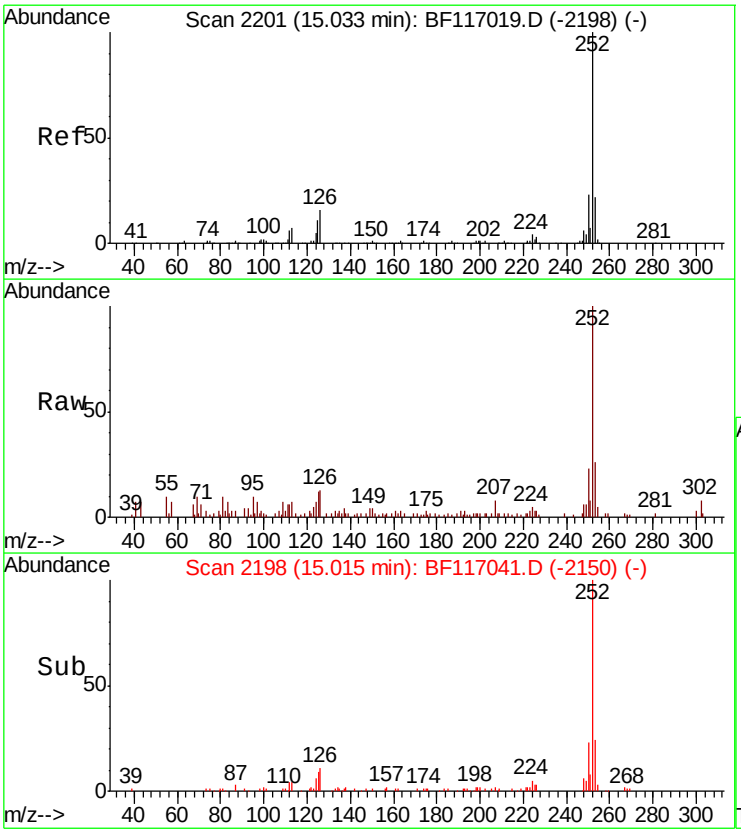
Tgt Ion:252 Resp: 64701

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	11.5	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

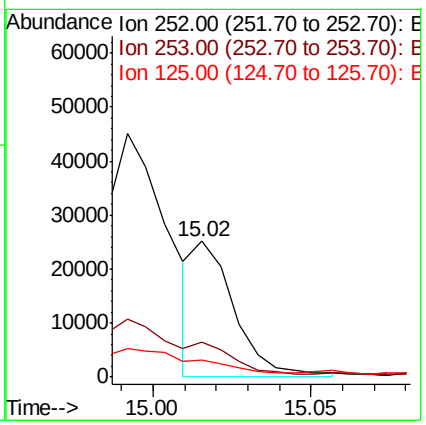
Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM

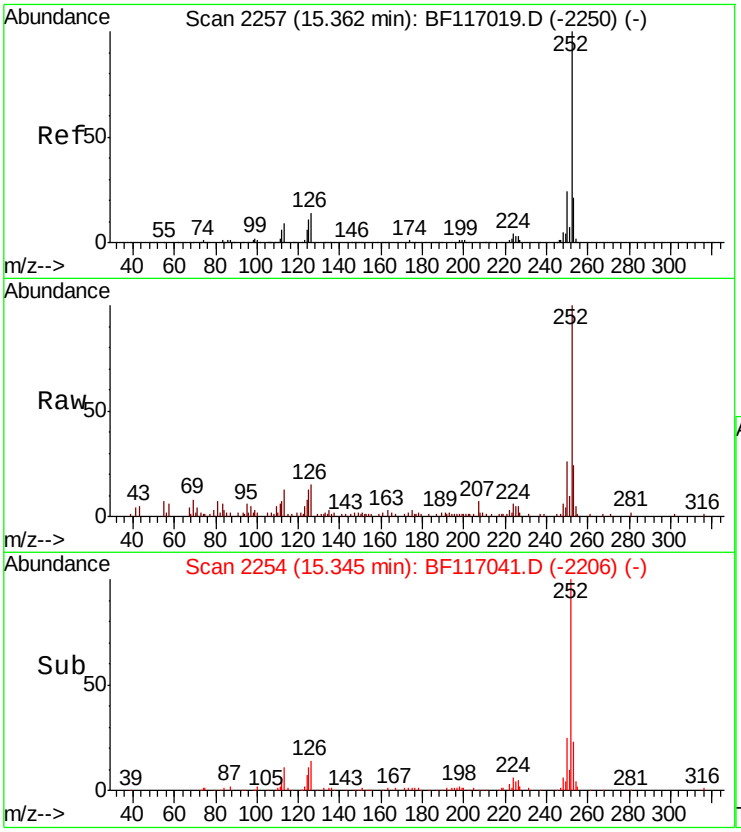


#89
Benzo(k)fluoranthene
Concen: 2.746 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:252 Resp: 22590

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.4	26.2
125	12.2	8.8	13.2





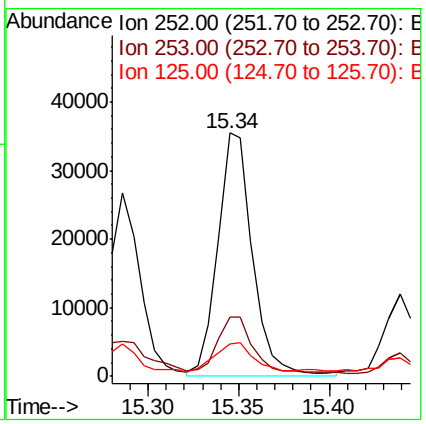
#90
Benzo(a)pyrene
Concen: 6.275 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

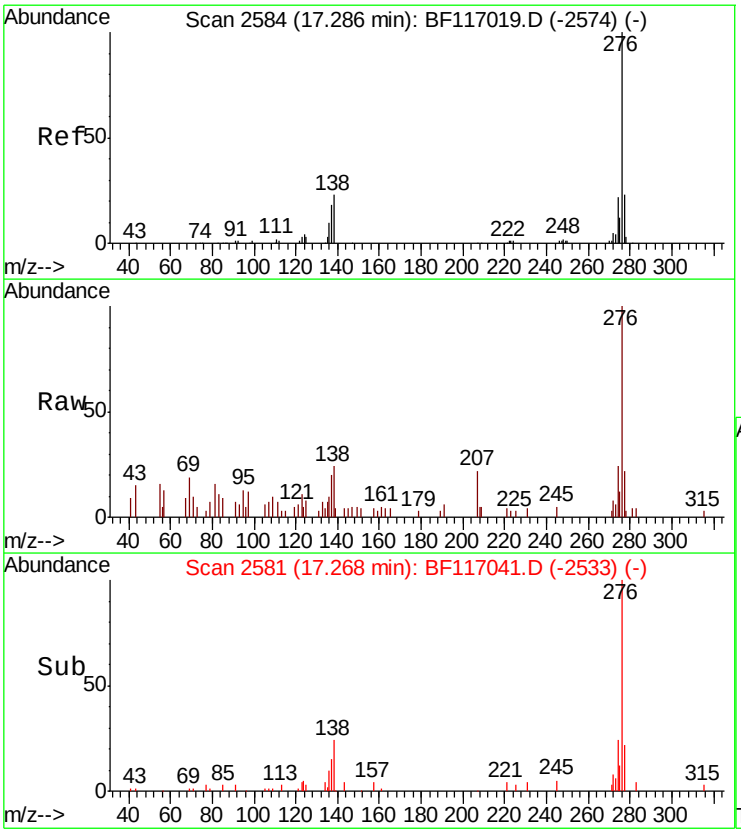
Tgt Ion:252 Resp: 47819

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.6	25.0
125	13.4	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Manual Integrations APPROVED
Jagrut
9/16/2019 3:29:42 PM





#92
Benzo(g,h,i)perylene
Concen: 3.938 ng
RT: 17.27 min Scan# 2581
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:276 Resp: 23825

Ion	Ratio	Lower	Upper
276	100		
277	21.6	18.6	27.8
138	24.5	18.0	27.0