Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
Data File : BF117329.D
Acq On : 3 Oct 2019 21:06
Operator : JU
Sample : K5143-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-100219

Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

Quant Time: Oct 04 04:47:24 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	6.80	152	53309	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	209020	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	97282	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	122347	20.00	ng	0.00
76) Chrysene-d12	13.97	240	79754	20.00	ng	0.00
87) Perylene-d12	15.42	264	93960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	320651	93.91	ng	0.00
7) Phenol-d6	6.45	99	457277	103.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	293496	73.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	67423	82.93	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	492029	79.08	ng	-0.01
79) Terphenyl-d14	12.90	244	261931	61.39	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.46	94	12929	2.658	ng	# 78
50) Dimethylphthalate	9.55	163	55024	7.988	ng	# 98
71) Phenanthrene	11.35	178	13989	2.013	ng	95
75) Fluoranthene	12.54	202	33041	4.627	ng	97
78) Pyrene	12.77	202	34860	5.209	ng	98
81) Benzo(a)anthracene	13.96	228	19216	3.606	ng	# 95
83) Chrysene	13.99	228	20374	3.920	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.88	276	16504	4.353	ng	96
88) Benzo(b)fluoranthene	15.00	252	32006m	5.623	ng	
89) Benzo(k)fluoranthene	15.03	252	11166m	2.071	ng	
90) Benzo(a)pyrene	15.36	252	25119	5.029	ng	# 96
92) Benzo(g,h,i)perylene	17.32	276	17316	4.368	ng	96

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

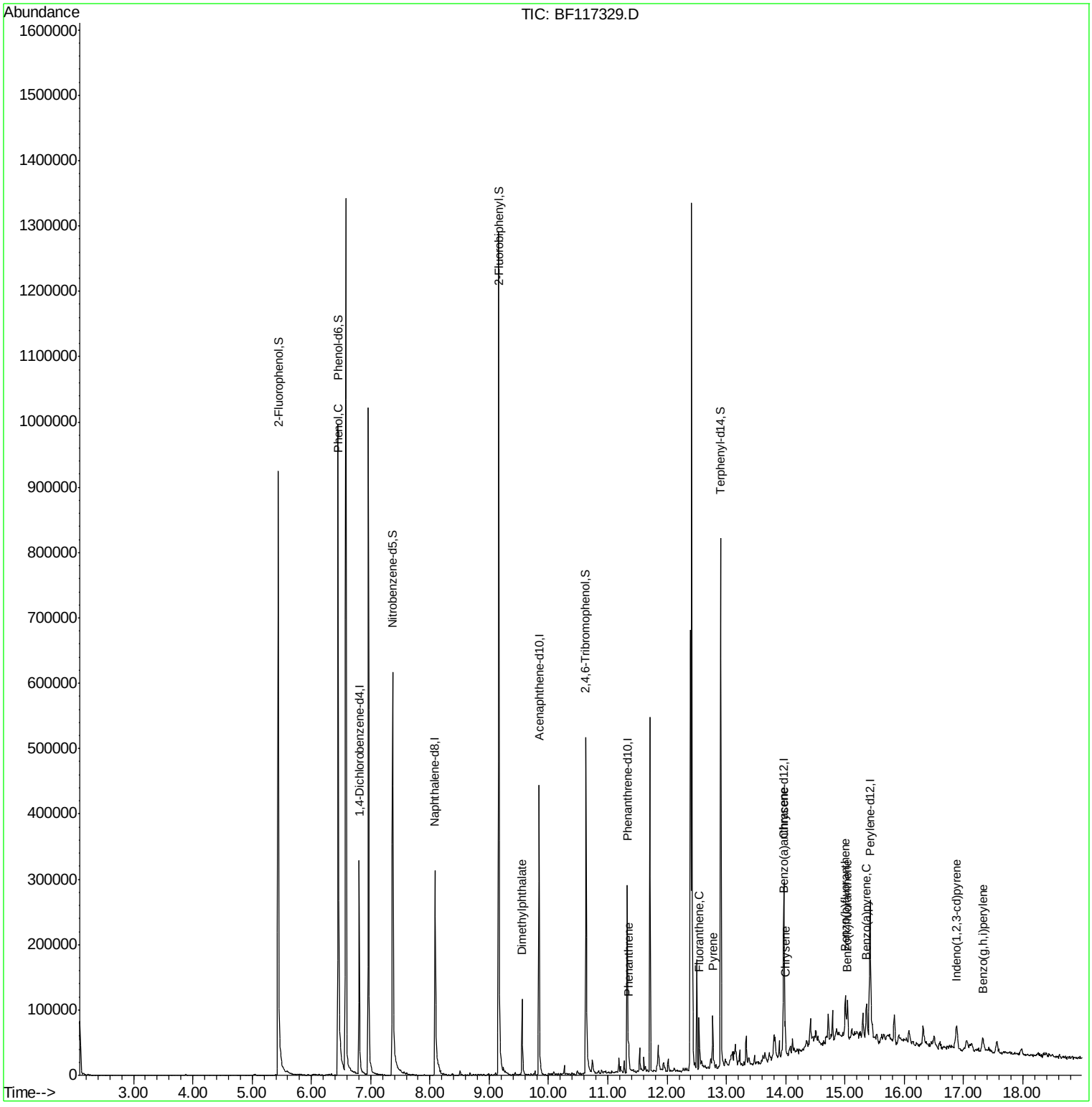
Quantitation Report (LSC Reviewed)

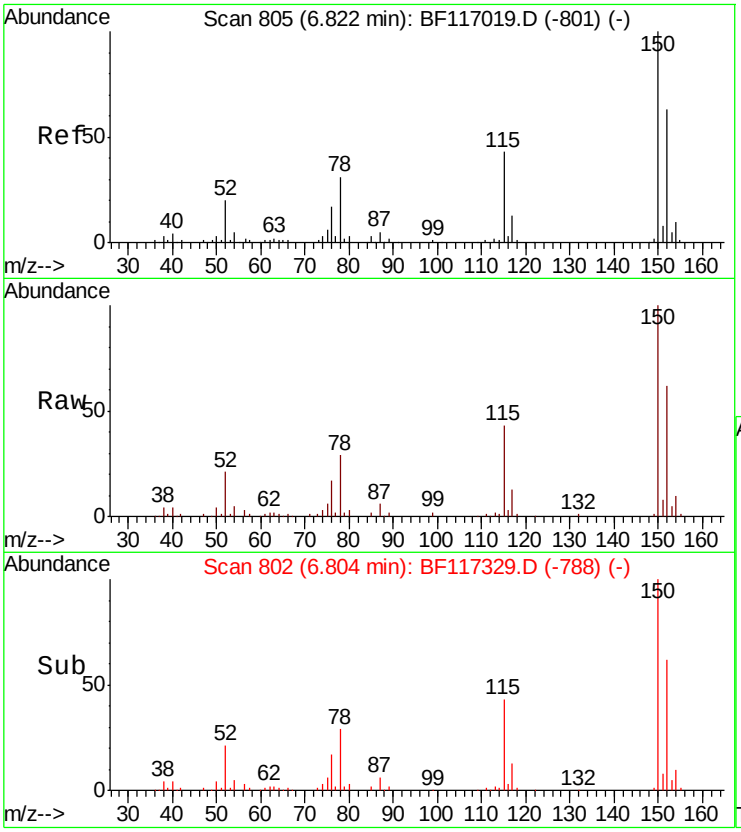
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
Data File : BF117329.D
Acq On : 3 Oct 2019 21:06
Operator : JU
Sample : K5143-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 04 04:47:24 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 :
NB-08-100219

Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

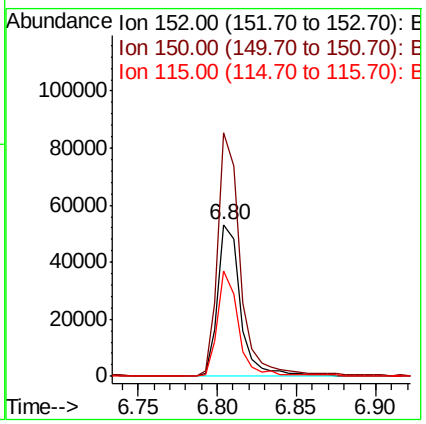




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

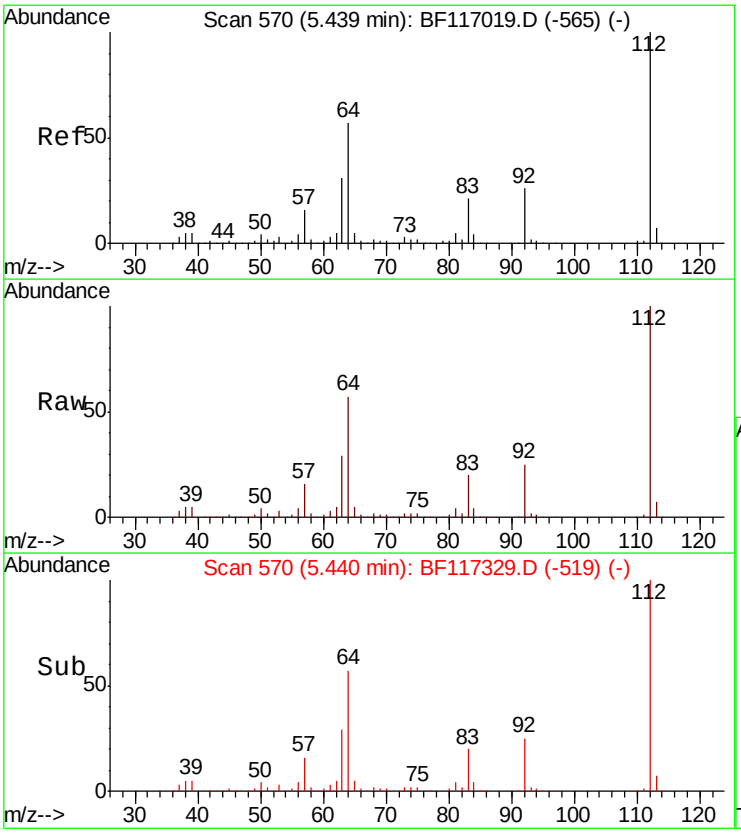
Tgt Ion:152 Resp: 53309

Ion	Ratio	Lower	Upper
152	100		
150	160.1	127.5	191.3
115	69.1	55.0	82.4



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

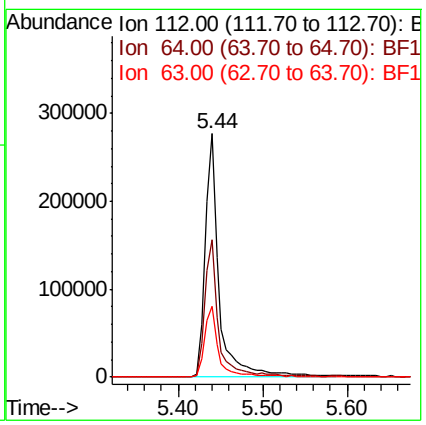
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

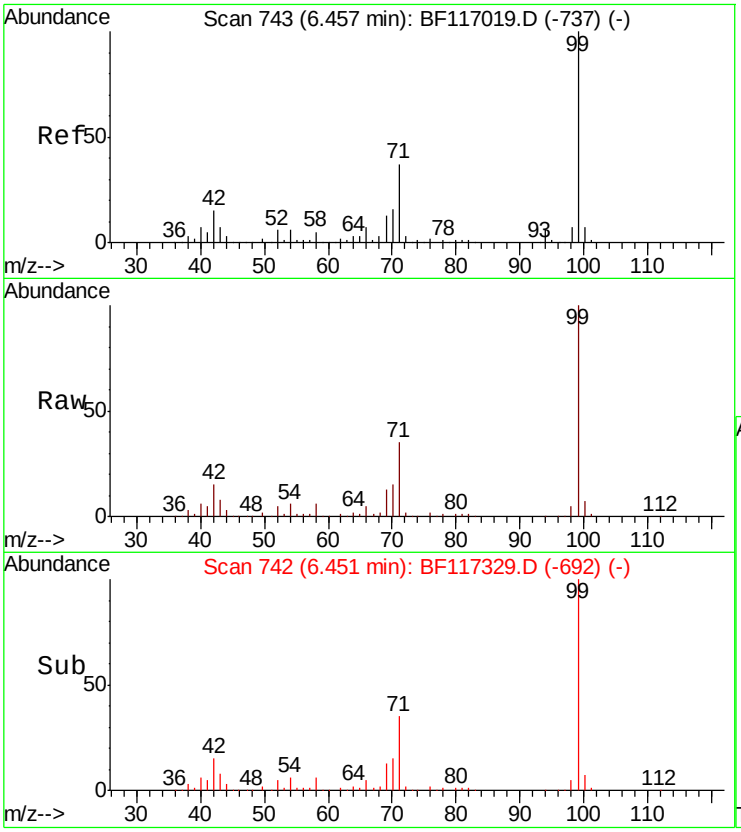


#5
2-Fluorophenol
Concen: 93.908 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:112 Resp: 320651

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	28.9	24.9	37.3

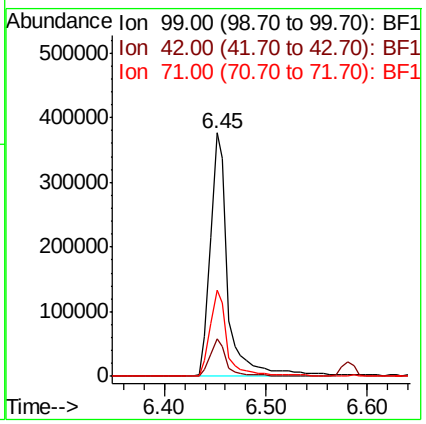




#7
Phenol-d6
Concen: 103.626 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

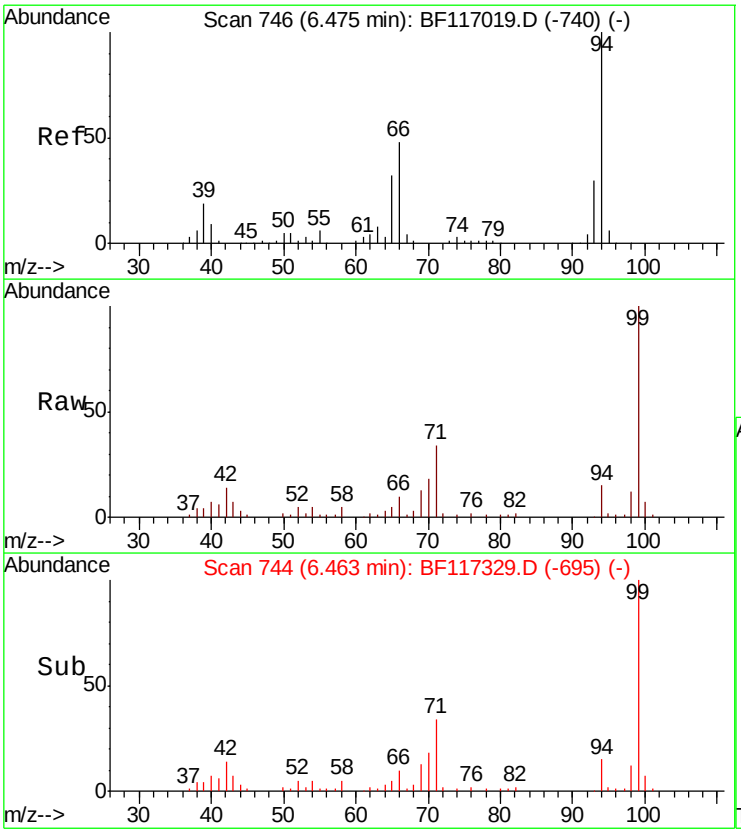
Tgt Ion: 99 Resp: 457277

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	35.2	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

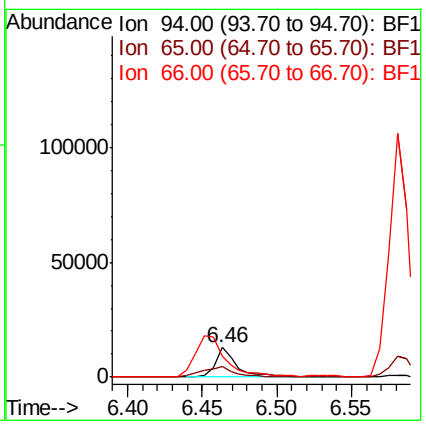
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

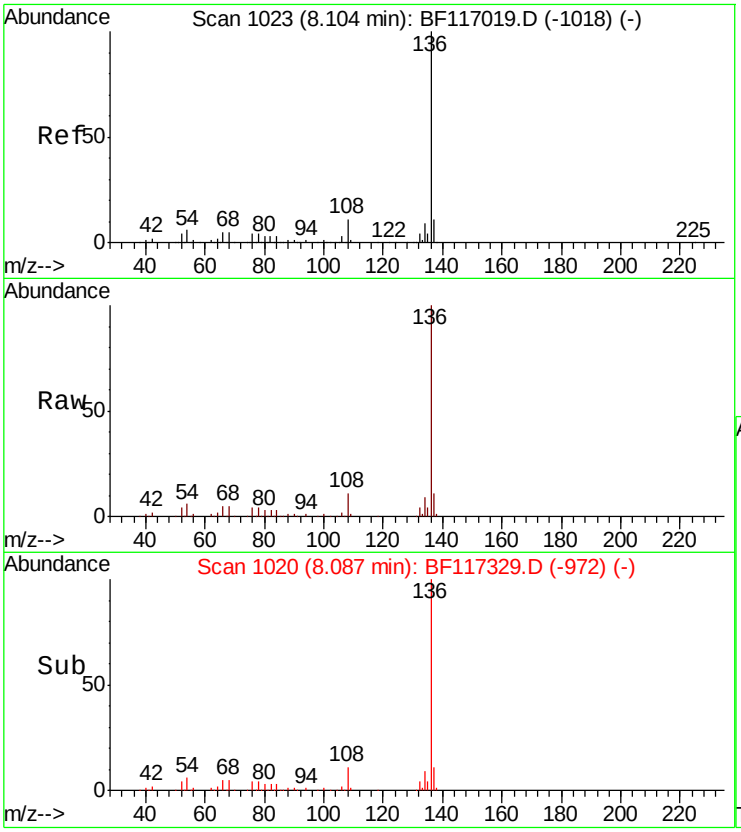


#10
Phenol
Concen: 2.658 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion: 94 Resp: 12929

Ion	Ratio	Lower	Upper
94	100		
65	36.2	12.5	52.5
66	70.7	28.9	68.9#

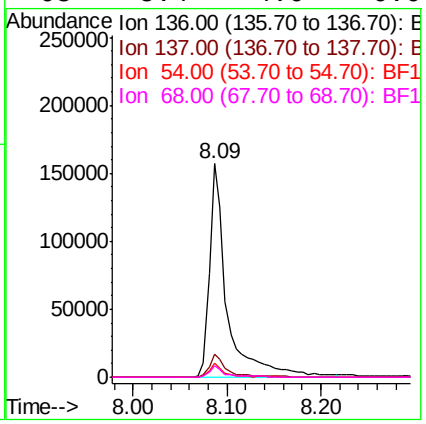




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

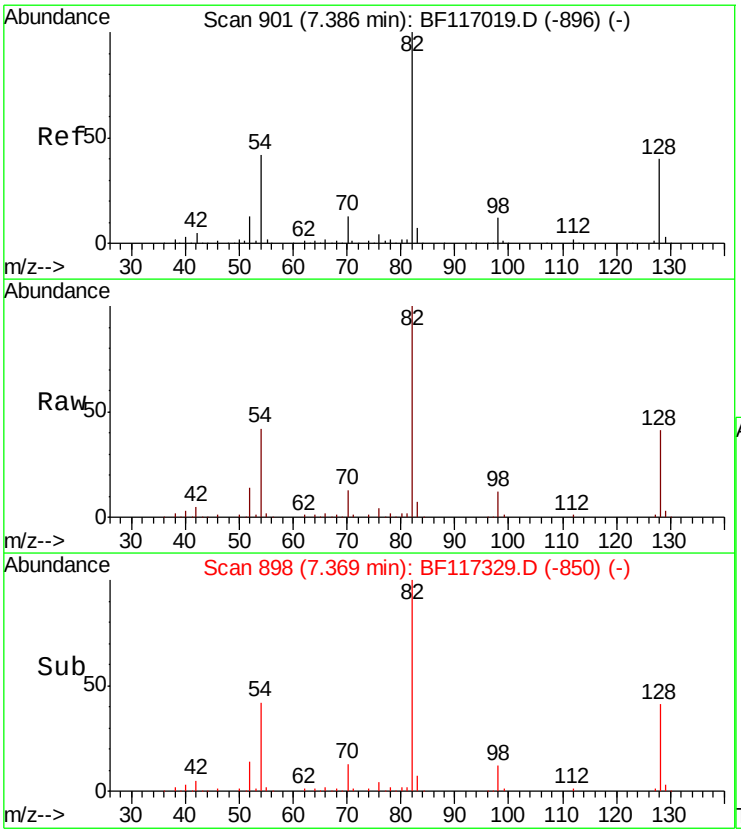
Tgt Ion:136 Resp: 209020

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.4	4.5	6.7
68	5.4	4.0	6.0



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

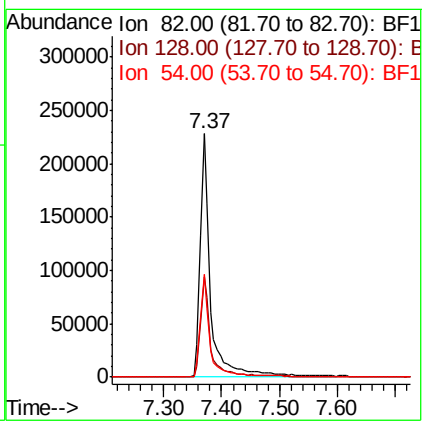
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

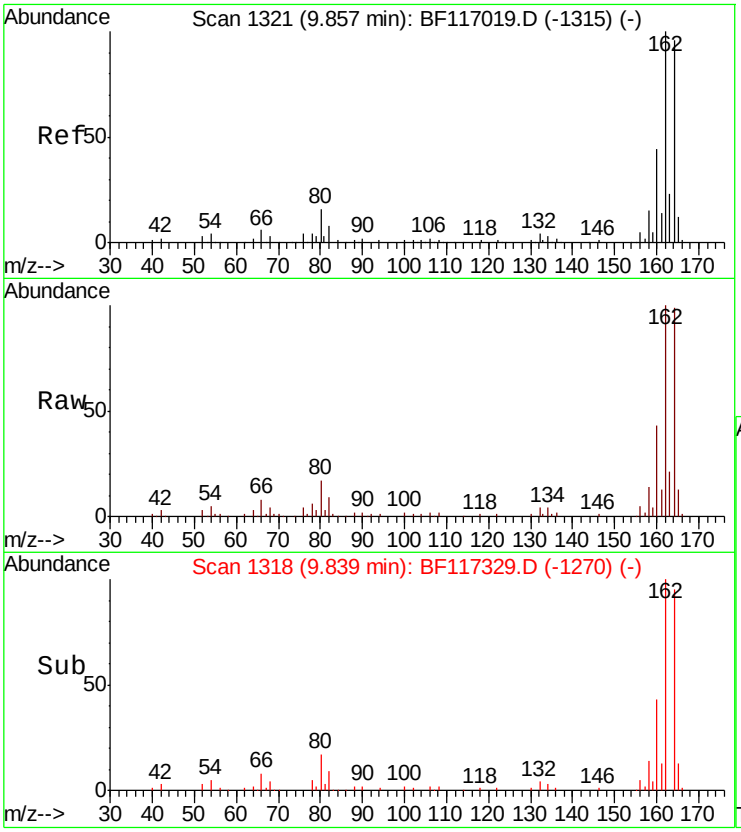


#23
Nitrobenzene-d5
Concen: 73.778 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion: 82 Resp: 293496

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.3	48.5
54	42.5	33.3	49.9

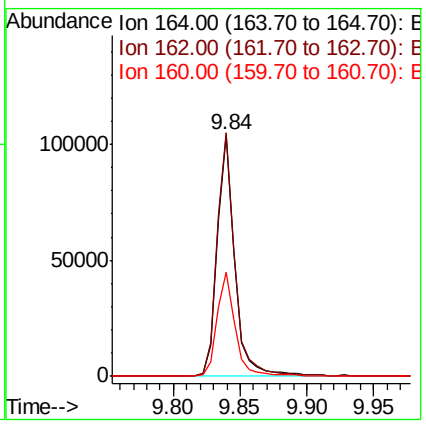




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

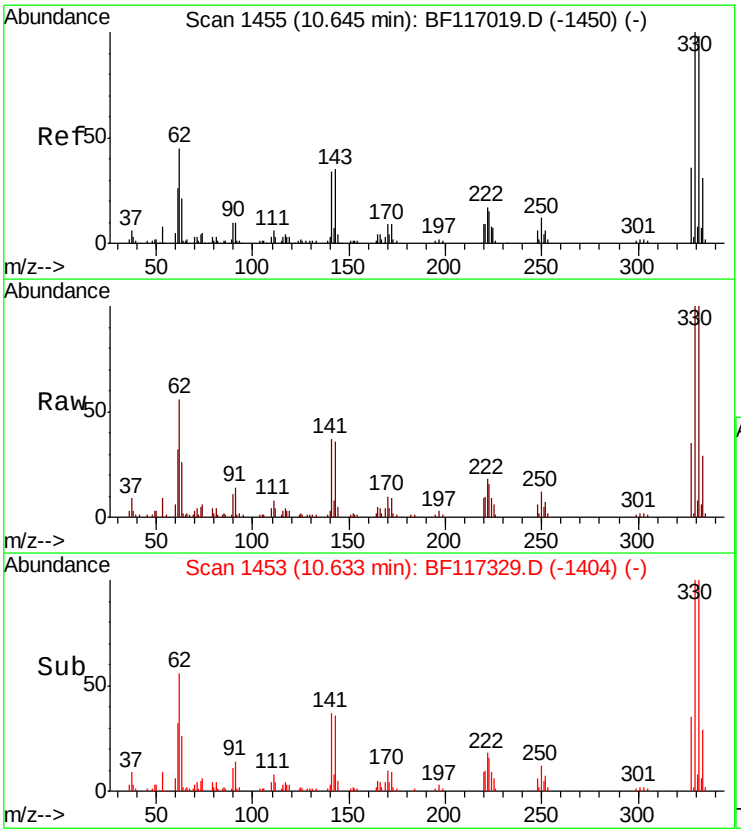
Tgt Ion:164 Resp: 97282

Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.4	125.2
160	43.1	36.4	54.6



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

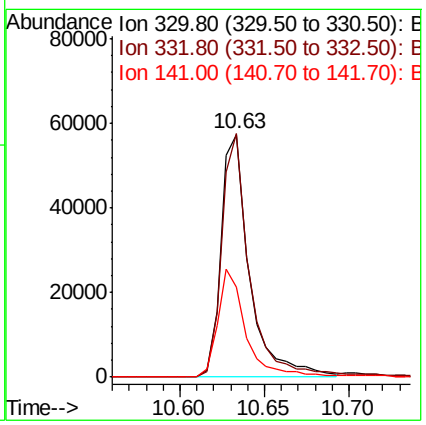
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

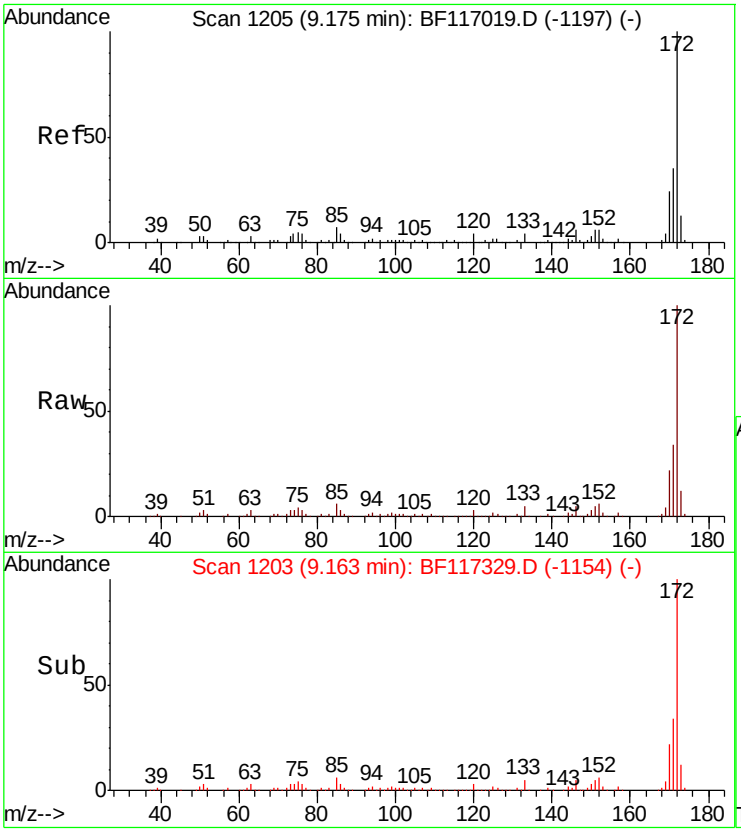


#42
2,4,6-Tribromophenol
Concen: 82.926 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:330 Resp: 67423

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.0	117.0
141	43.9	35.8	53.6

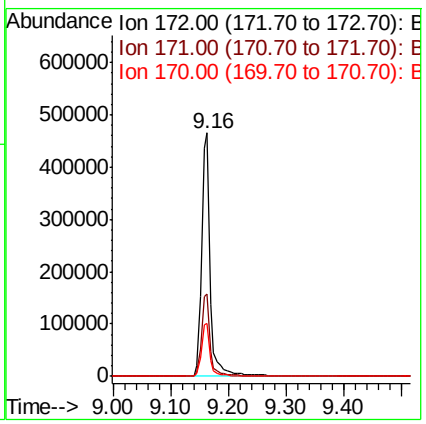




#45
2-Fluorobiphenyl
Concen: 79.082 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

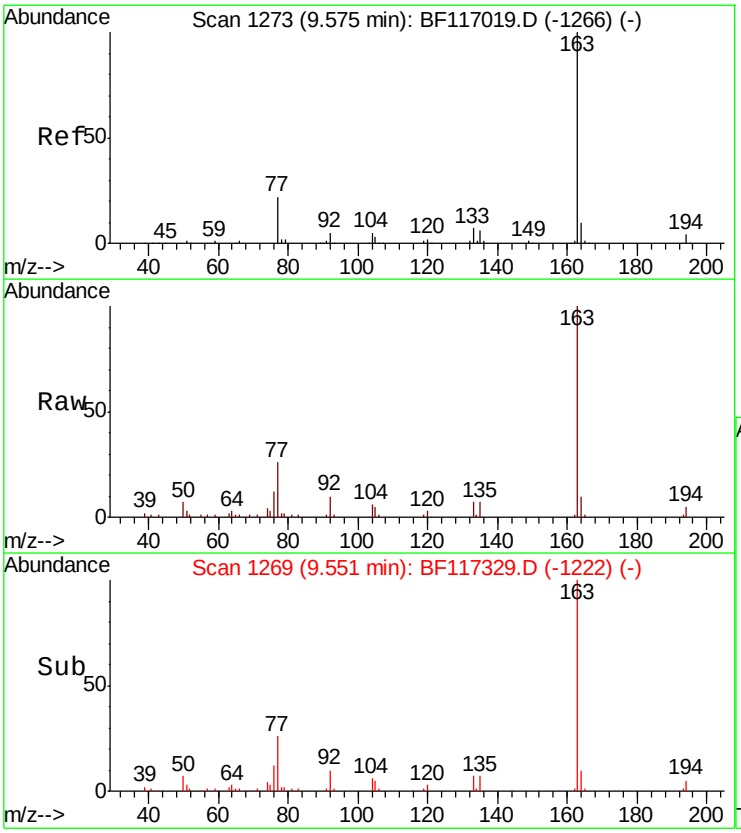
Tgt Ion:172 Resp: 492029

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.2	42.2
170	21.9	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

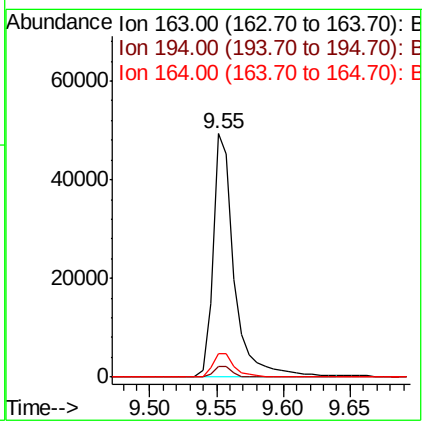
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

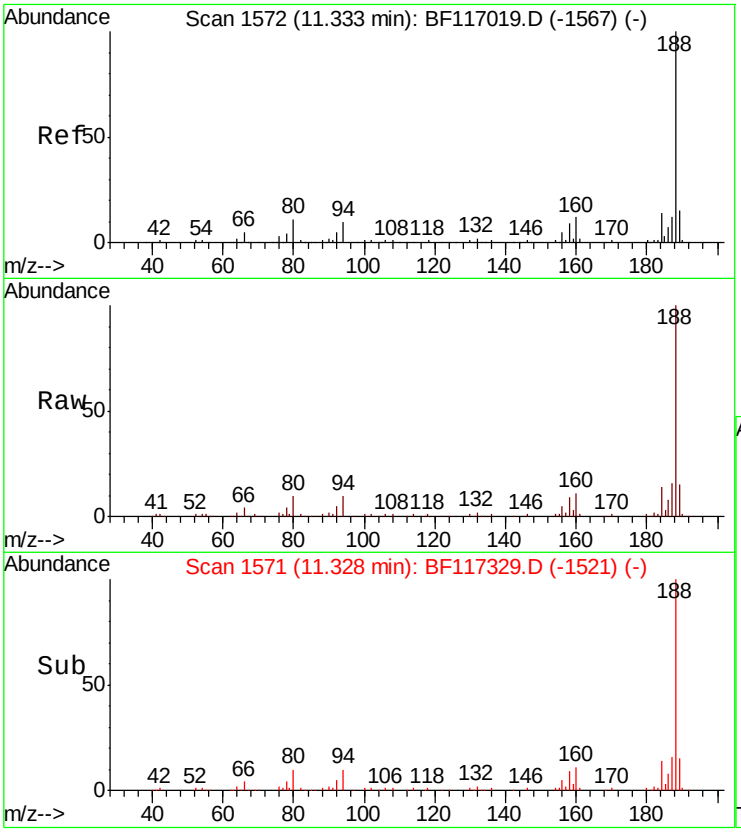


#50
Dimethylphthalate
Concen: 7.988 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:163 Resp: 55024

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.9	4.3#
164	9.7	8.2	12.4

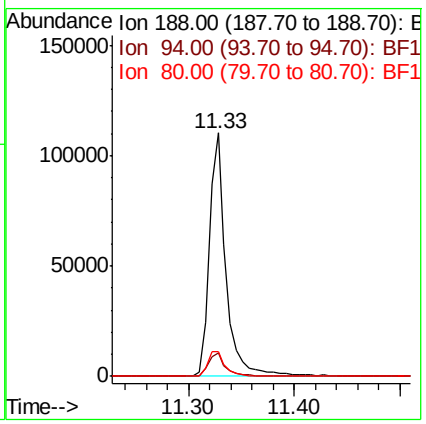




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

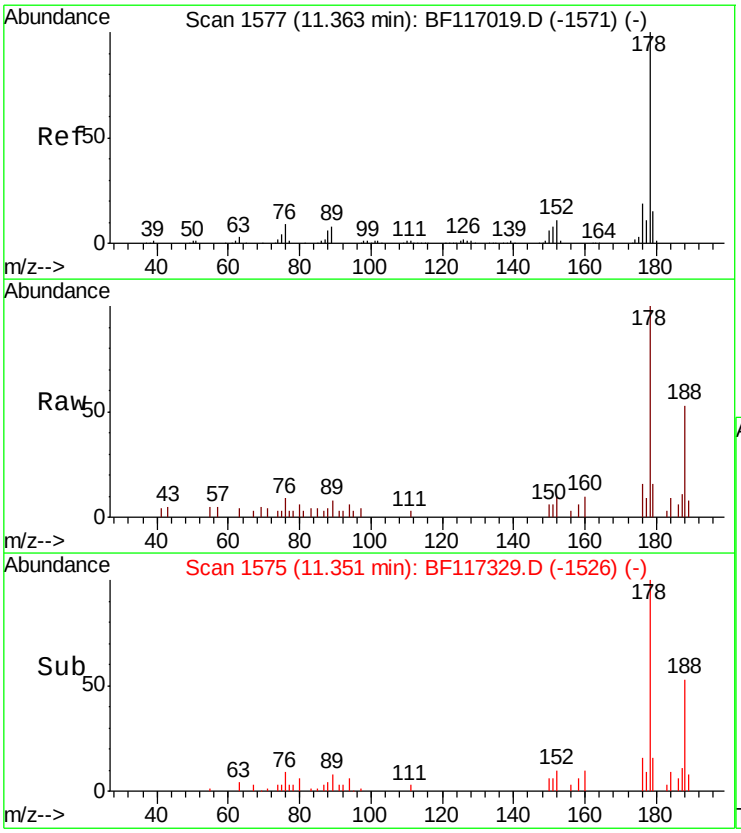
Tgt Ion:188 Resp: 122347

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

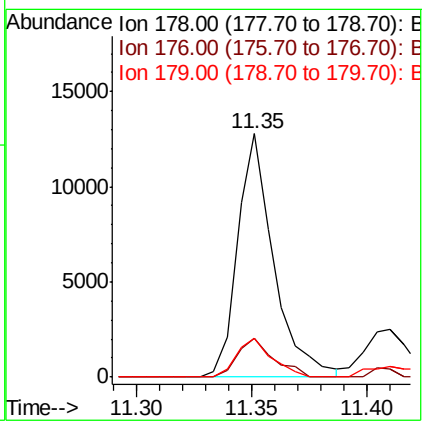
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

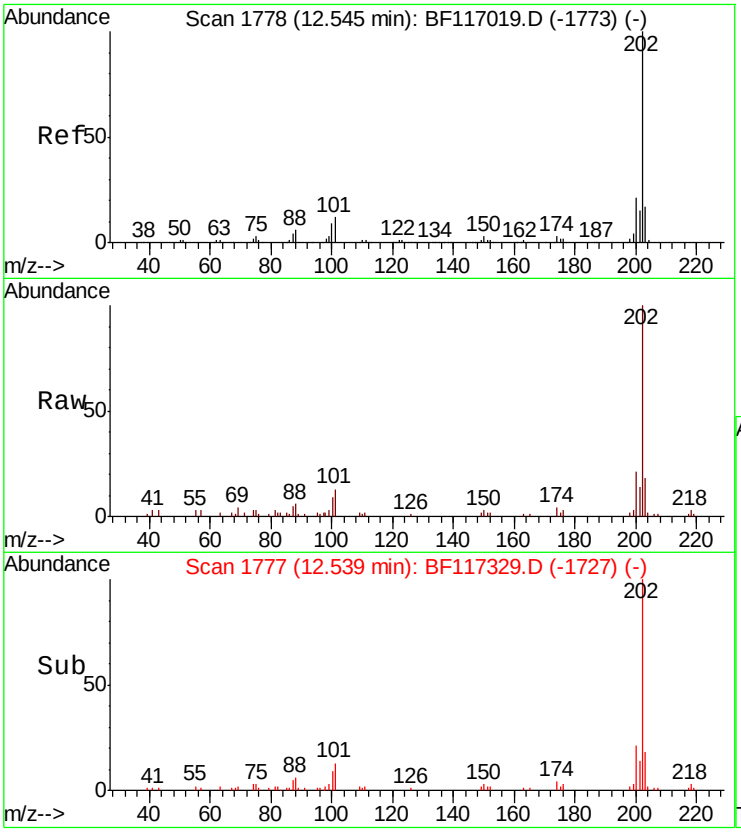


#71
Phenanthrene
Concen: 2.013 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:178 Resp: 13989

Ion	Ratio	Lower	Upper
178	100		
176	16.0	15.4	23.2
179	16.0	12.4	18.6

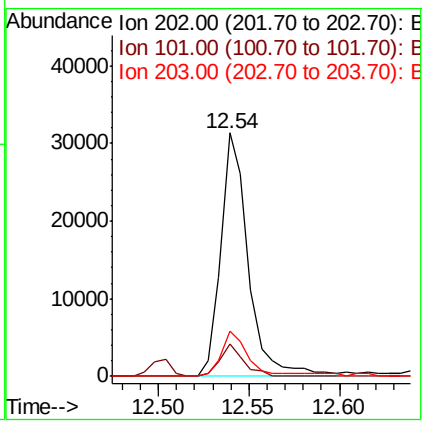




#75
Fluoranthene
Concen: 4.627 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

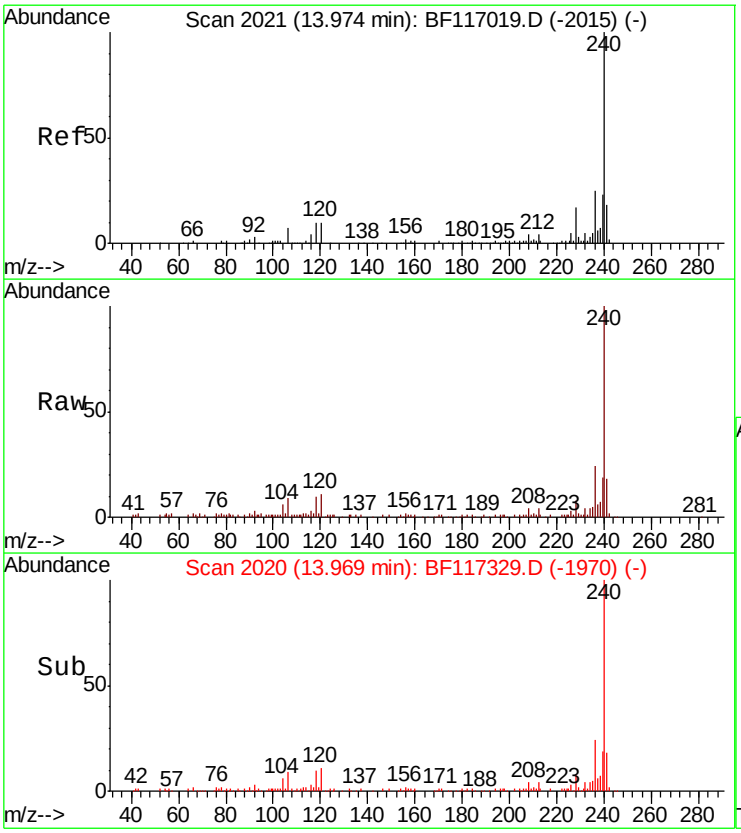
Tgt Ion:202 Resp: 33041

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.3
203	18.3	0.0	37.1



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

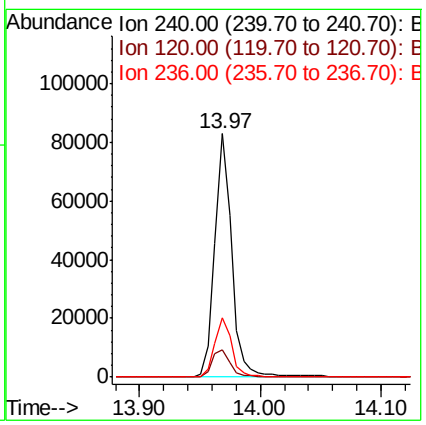
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

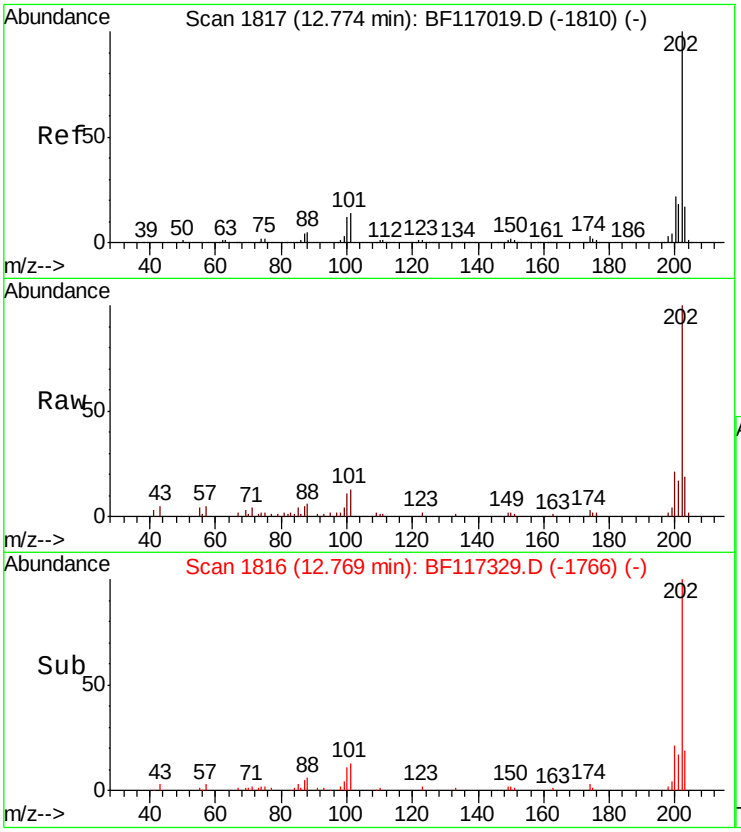


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:240 Resp: 79754

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.3	12.5
236	24.2	20.3	30.5

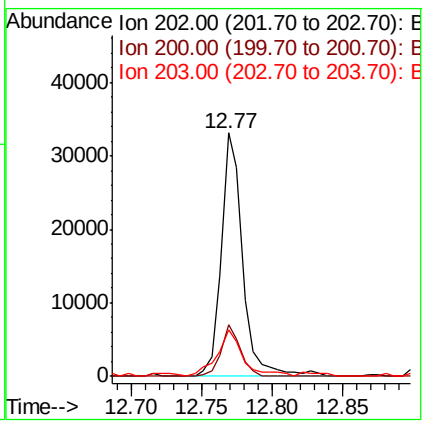




#78
Pyrene
Concen: 5.209 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

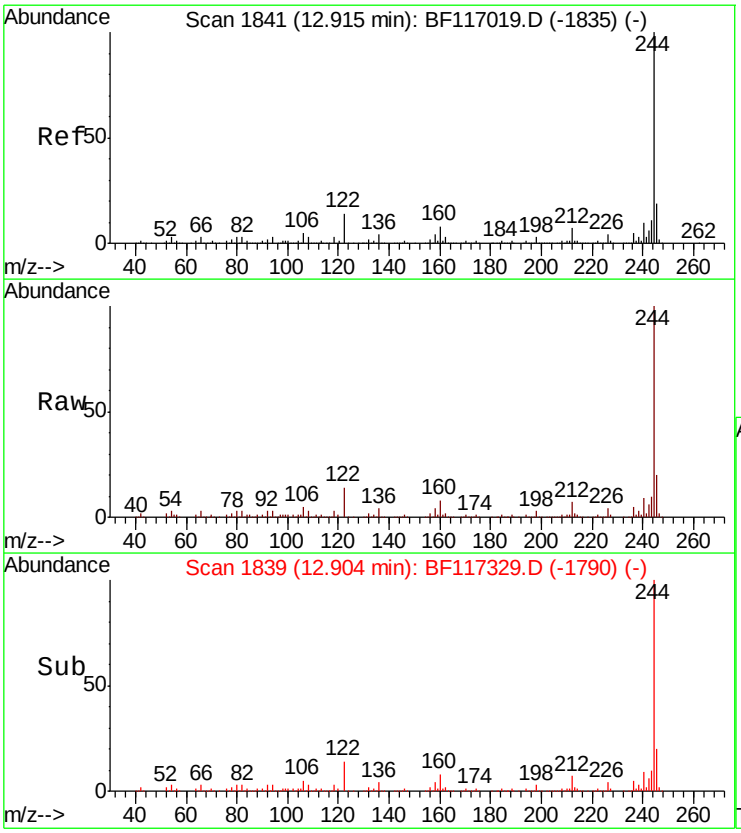
Tgt Ion:202 Resp: 34860

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	19.0	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

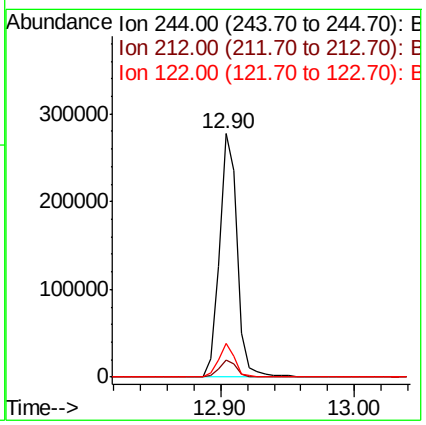
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

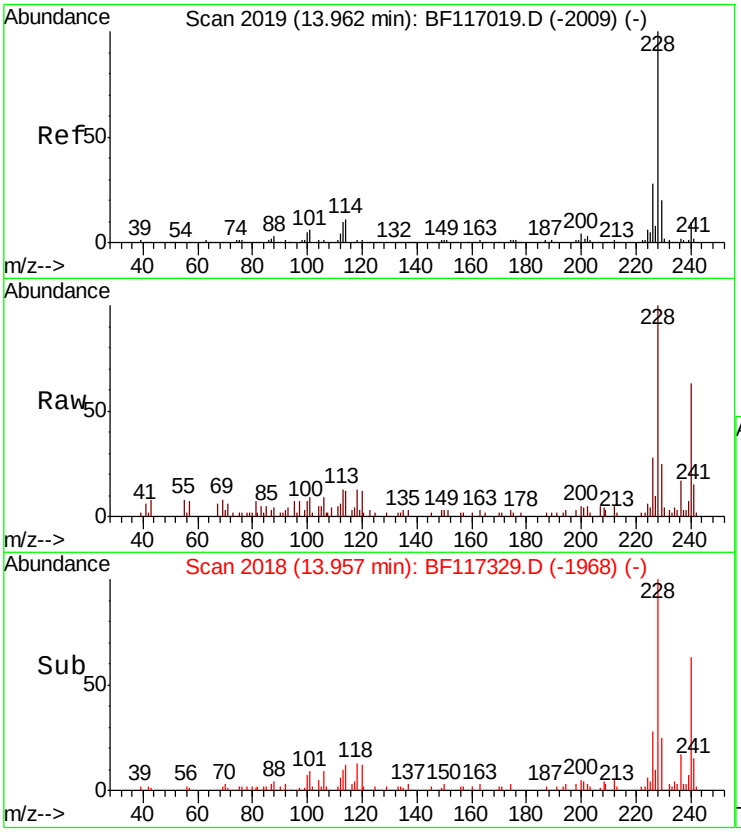


#79
Terphenyl-d14
Concen: 61.390 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:244 Resp: 261931

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	13.6	11.3	16.9





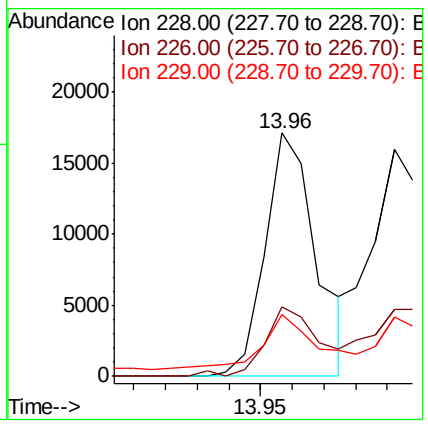
#81
Benzo(a)anthracene
Concen: 3.606 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

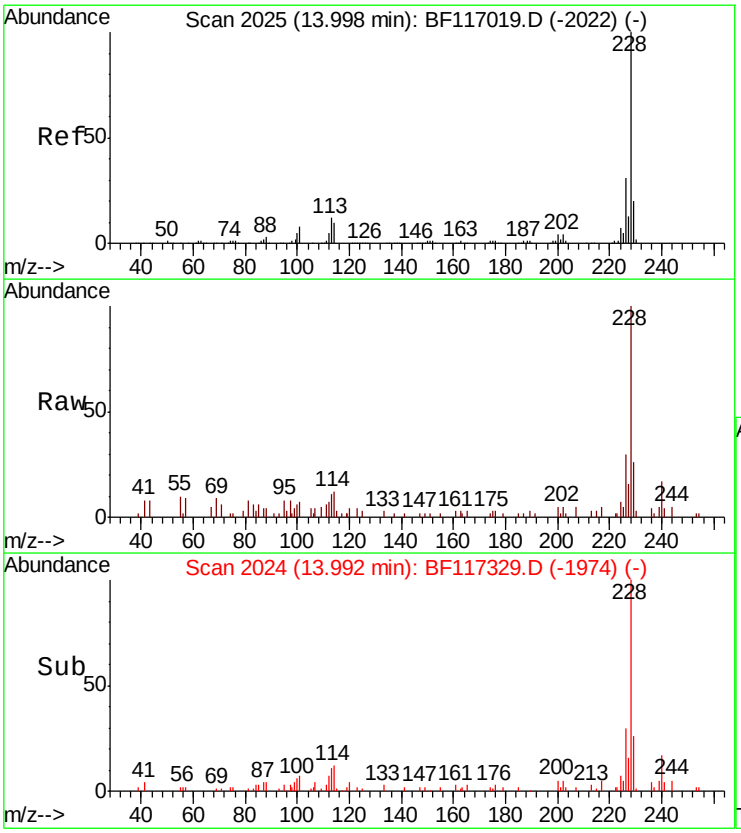
Tgt Ion:228 Resp: 19216

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	25.2	15.9	23.9#

Instrument :
BNA_F
ClientSampleId :
NB-08-100219

Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

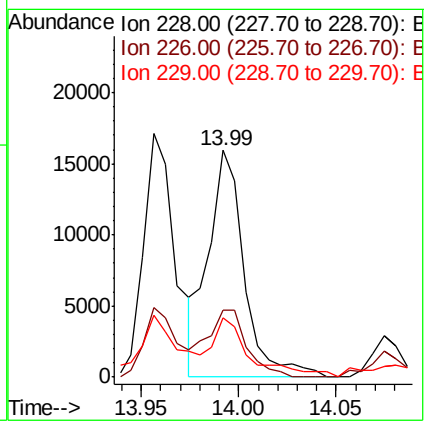


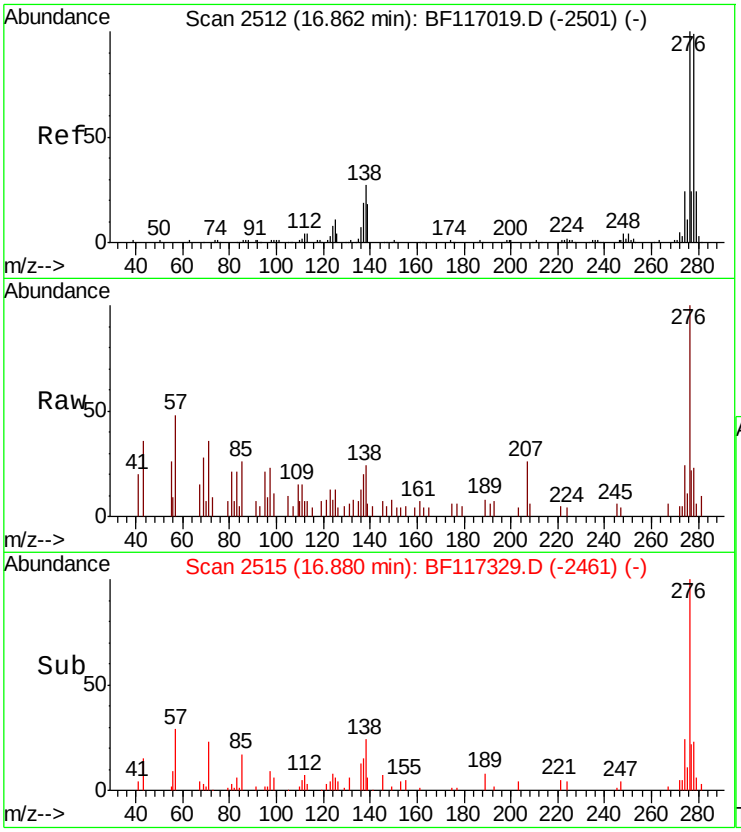


#83
Chrysene
Concen: 3.920 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:228 Resp: 20374

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.8	37.2
229	26.2	15.8	23.8#

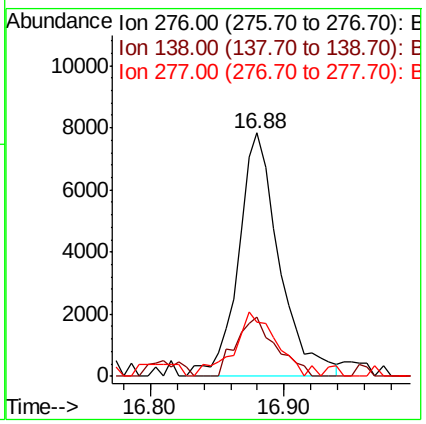




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.353 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

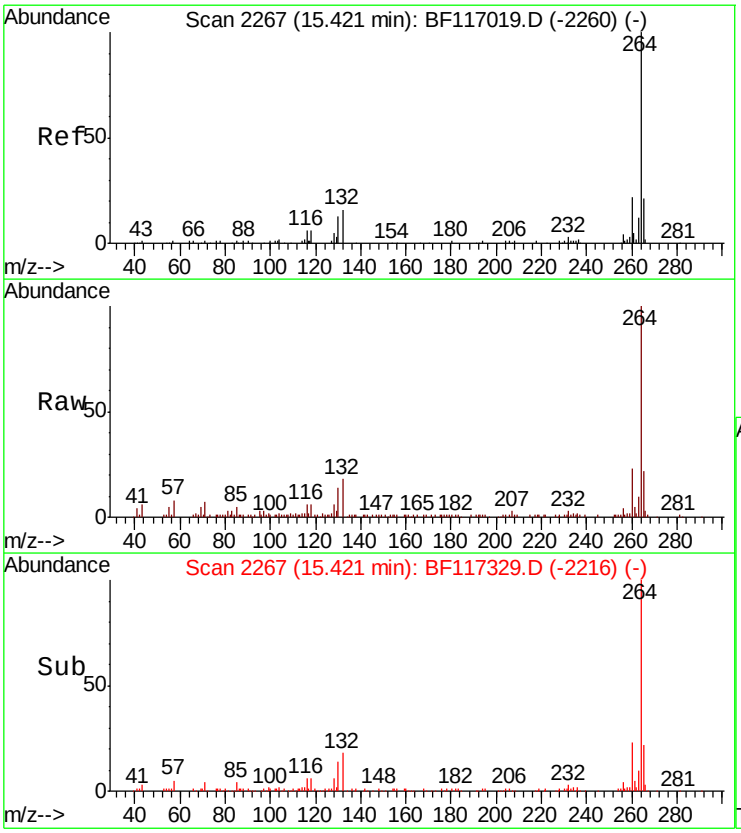
Tgt Ion:276 Resp: 16504

Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.7	31.1
277	26.8	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

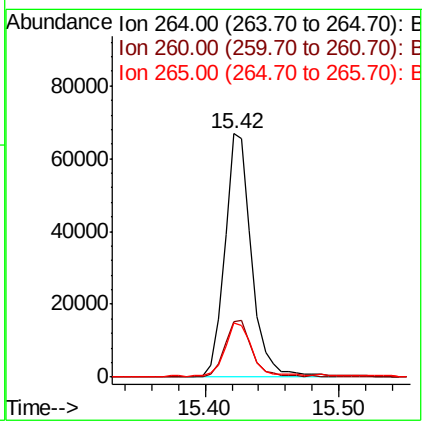
Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

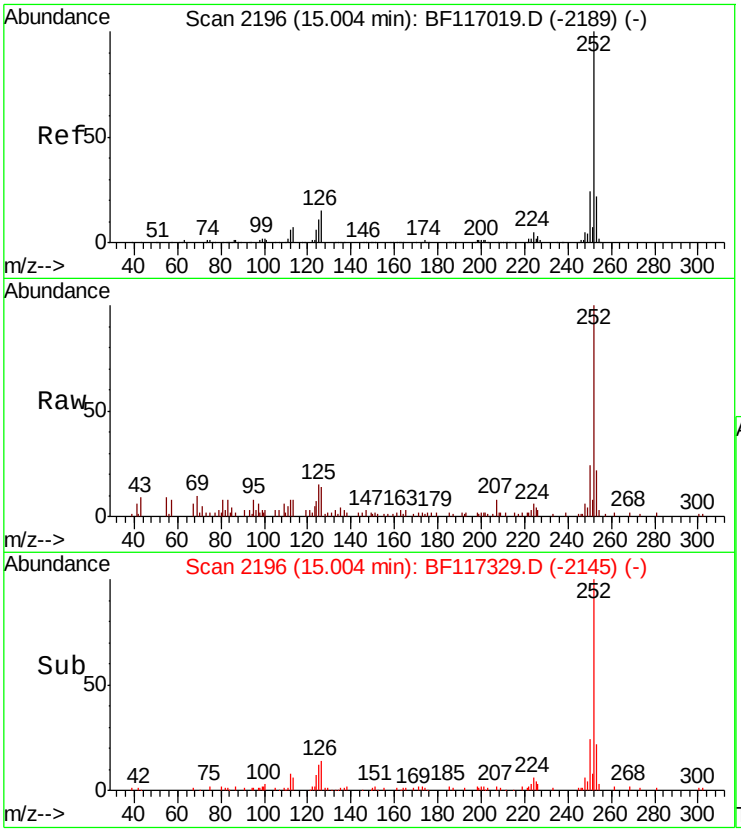


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:264 Resp: 93960

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	22.1	16.6	24.8





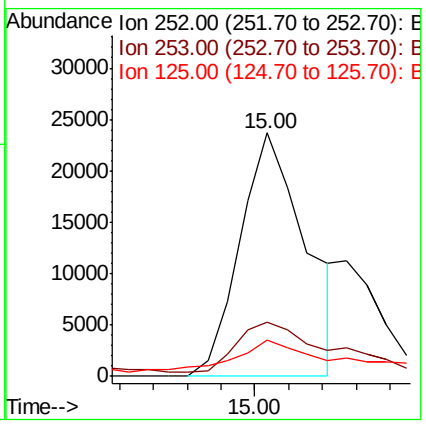
#88
Benzo(b)fluoranthene
Concen: 5.623 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

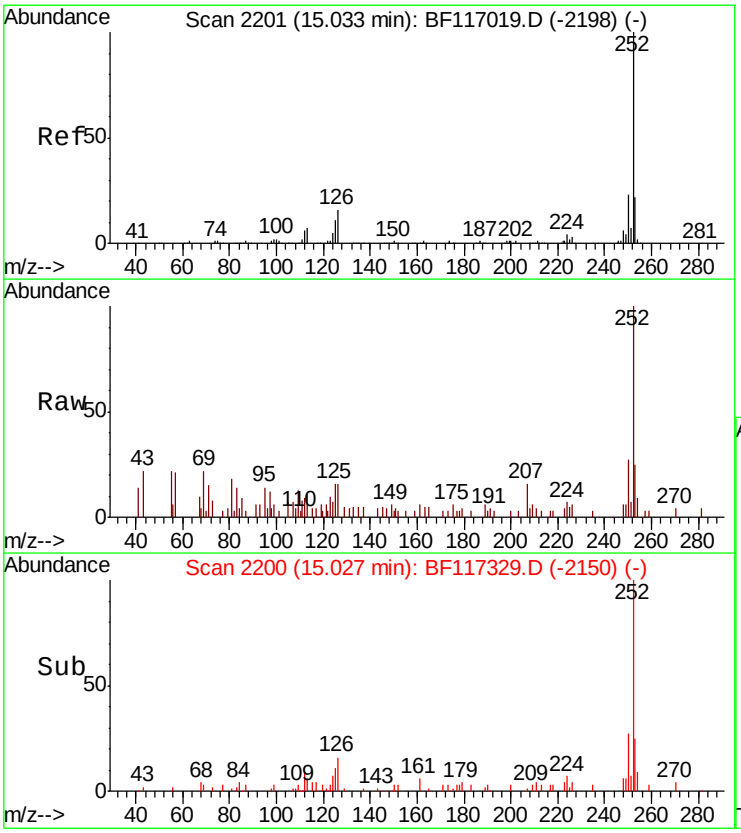
Tgt Ion:252 Resp: 32006

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	14.8	8.6	12.8#

Instrument :
BNA_F
ClientSampleId :
NB-08-100219

Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM

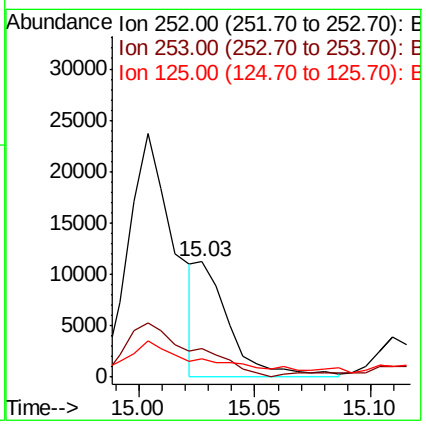


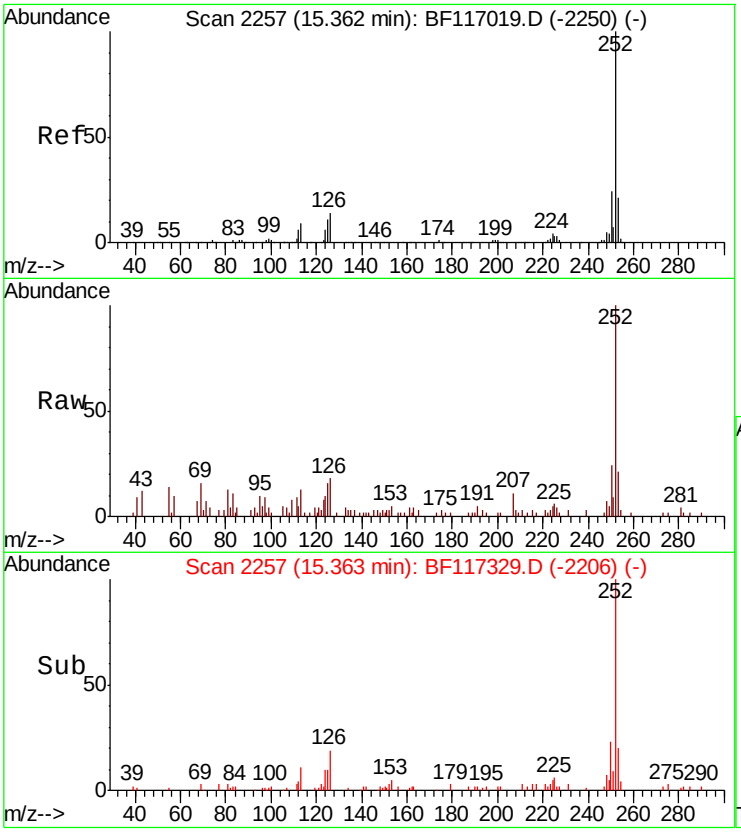


#89
Benzo(k)fluoranthene
Concen: 2.071 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:252 Resp: 11166

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.2
125	16.4	8.8	13.2#

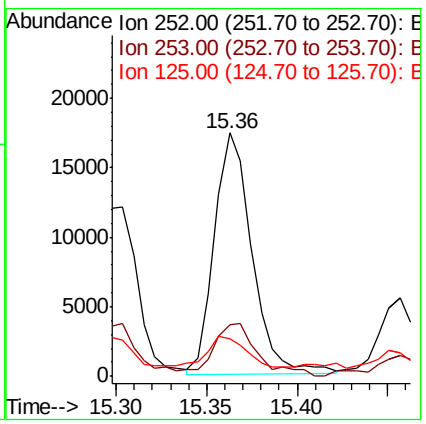




#90
Benzo(a)pyrene
Concen: 5.029 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

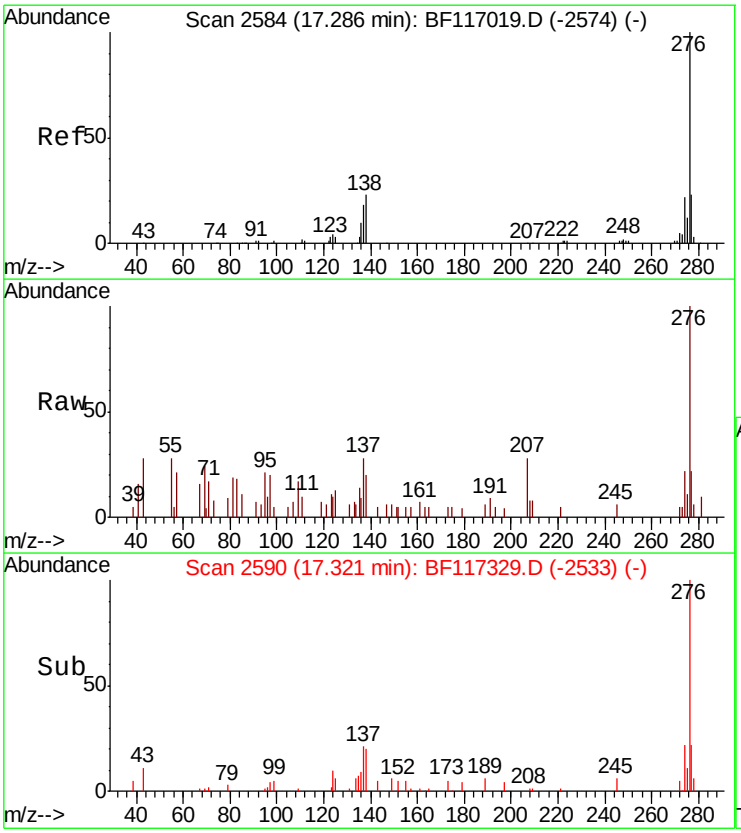
Tgt Ion:252 Resp: 25119

Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.6	25.0
125	15.6	8.9	13.3#



Instrument :
BNA_F
ClientSampleId :
NB-08-100219

Manual Integrations APPROVED
mohammad
10/7/2019 8:26:00 AM



#92
Benzo(g,h,i)perylene
Concen: 4.368 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117329.D
Acq: 3 Oct 2019 21:06

Tgt Ion:276 Resp: 17316

Ion	Ratio	Lower	Upper
276	100		
277	21.6	18.6	27.8
138	20.1	18.0	27.0