Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115262.D
Acq On : 28 Jun 2019 4:01
Operator : HP/JU
Sample : K3157-13 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

Quant Time: Jun 28 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	232056	20.00	ng		0.00
21) Naphthalene-d8	7.88	136	892967	20.00	ng		0.00
39) Acenaphthene-d10	9.62	164	438084	20.00	ng		0.00
64) Phenanthrene-d10	11.10	188	874423	20.00	ng		0.00
76) Chrysene-d12	13.72	240	590273	20.00	ng		0.00
87) Perylene-d12	15.08	264	407345	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	712593	47.39	ng		0.00
7) Phenol-d6	6.24	99	887729	48.64	ng		0.00
23) Nitrobenzene-d5	7.16	82	502015	34.58	ng		0.00
42) 2,4,6-Tribromophenol	10.41	330	251878	54.52	ng		0.00
45) 2-Fluorobiphenyl	8.95	172	1026049	39.78	ng		0.00
79) Terphenyl-d14	12.68	244	1124853	40.52	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.35	163	288575	8.953	ng		99
52) Acenaphthene	9.66	154	59466	2.145	ng		99
71) Phenanthrene	11.12	178	451940	9.599	ng		97
72) Anthracene	11.17	178	144230	3.035	ng		98
75) Fluoranthene	12.30	202	496906	10.578	ng		97
78) Pyrene	12.52	202	478458	10.547	ng		99
81) Benzo(a)anthracene	13.71	228	209665m	4.950	ng		
83) Chrysene	13.74	228	176037	4.537	ng		97
88) Benzo(b)fluoranthene	14.71	252	156051m	6.140	ng		
89) Benzo(k)fluoranthene	14.73	252	56360m	2.473	ng		
90) Benzo(a)pyrene	15.03	252	111881	4.884	ng	#	91
92) Benzo(g,h,i)perylene	16.73	276	67422	3.115	ng		95

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

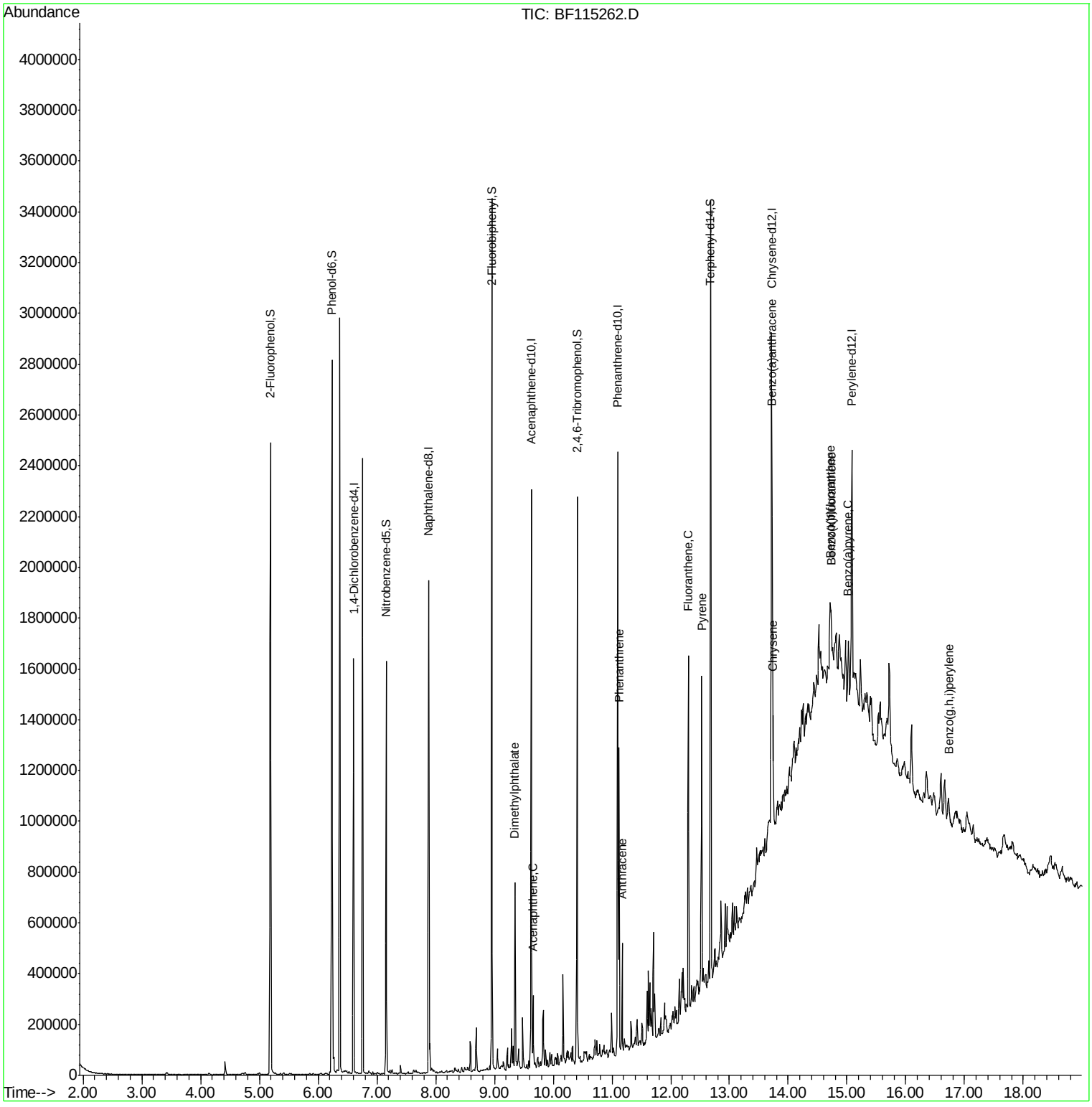
Quantitation Report (LSC Reviewed)

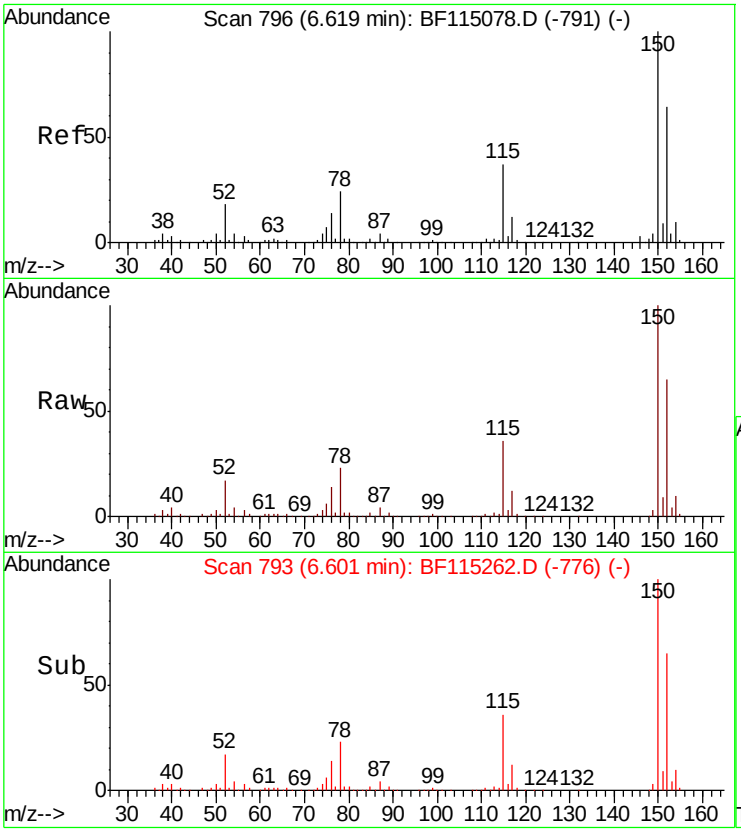
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115262.D
Acq On : 28 Jun 2019 4:01
Operator : HP/JU
Sample : K3157-13 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 28 07:57:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

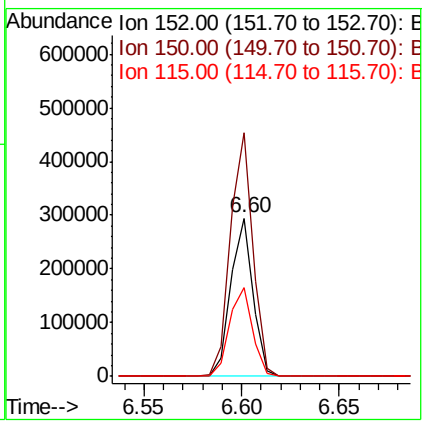




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

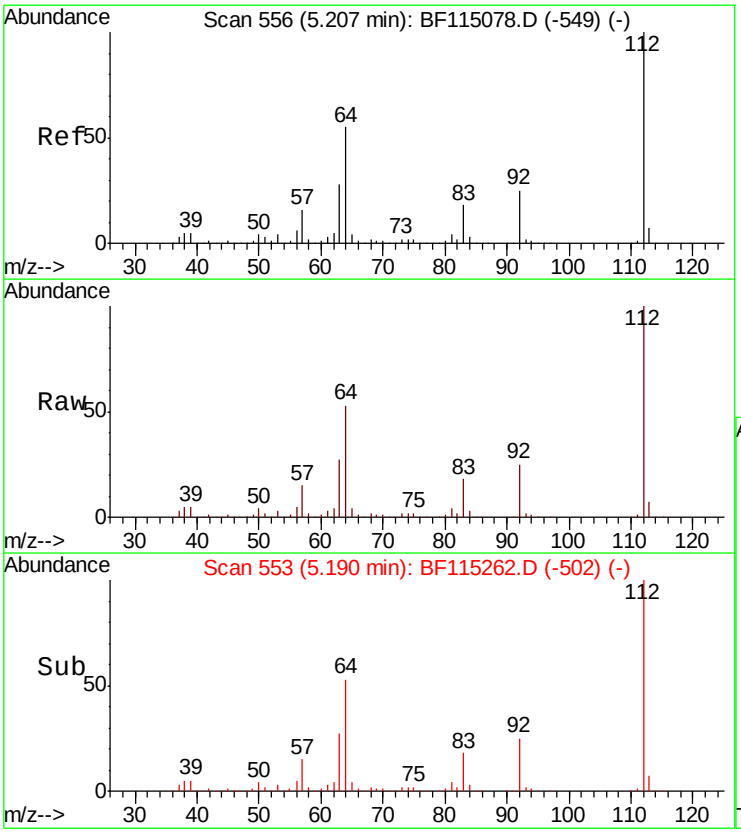
Tgt Ion:152 Resp: 232056

Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.2	186.2
115	55.9	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

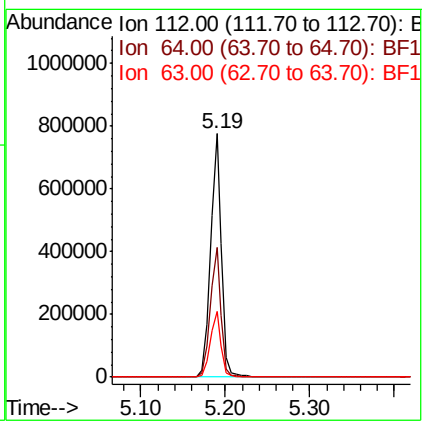
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

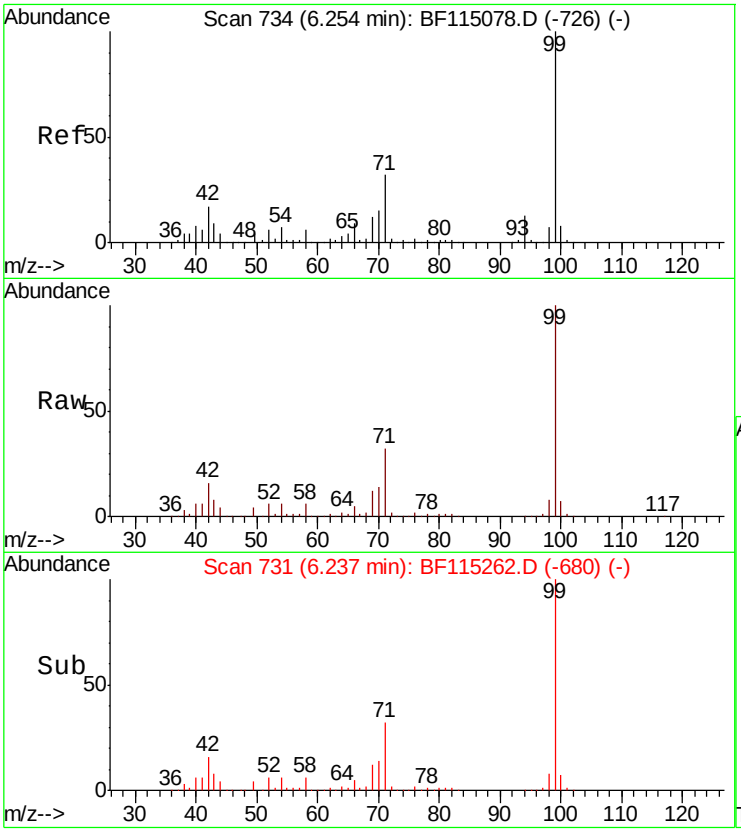


#5
2-Fluorophenol
Concen: 47.387 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:112 Resp: 712593

Ion	Ratio	Lower	Upper
112	100		
64	53.2	43.8	65.6
63	27.0	22.2	33.4

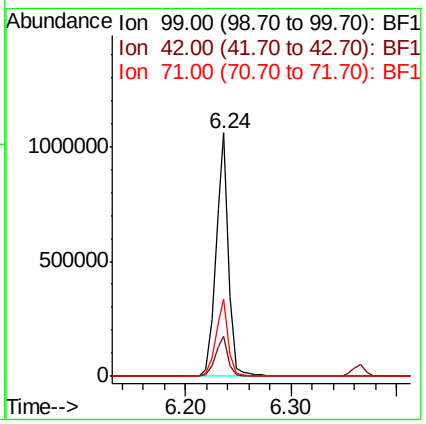




#7
Phenol-d6
Concen: 48.637 ng
RT: 6.24 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

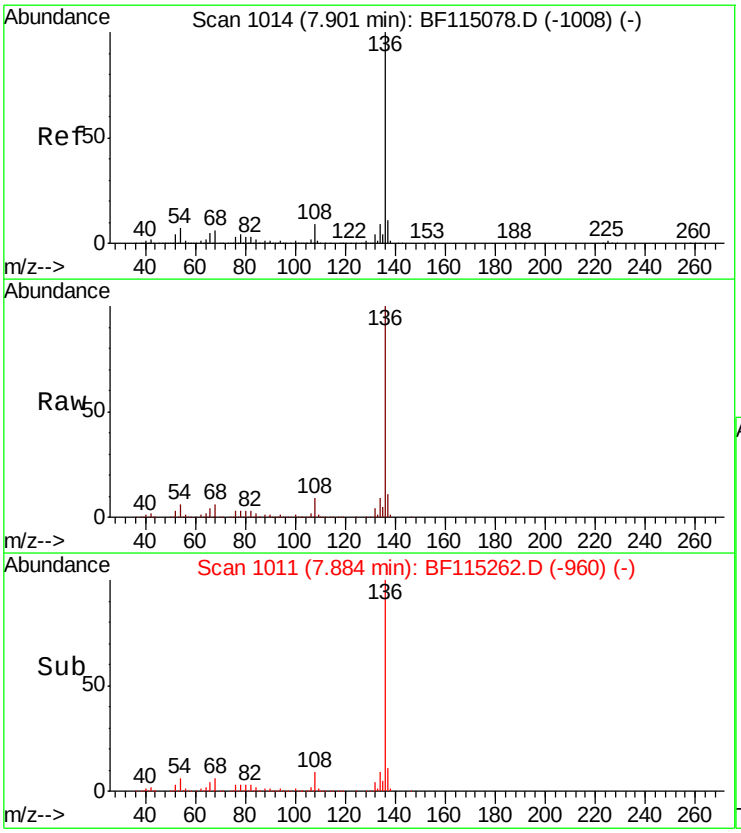
Tgt Ion: 99 Resp: 887729

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.6	20.4
71	31.5	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

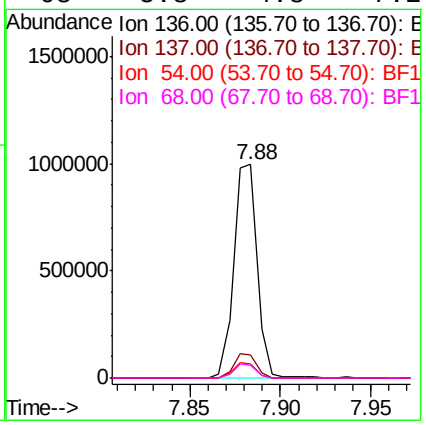
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

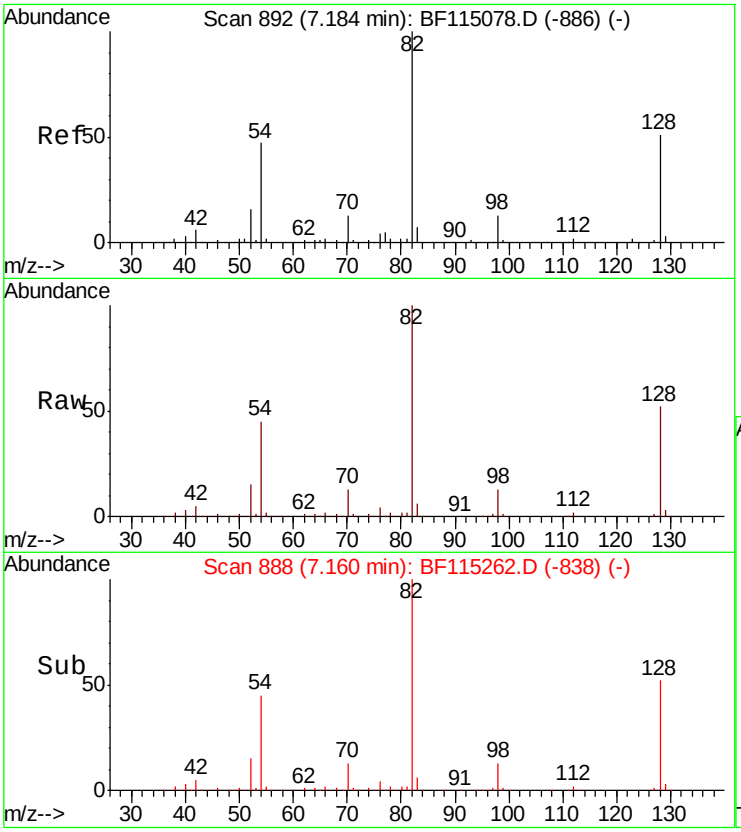


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:136 Resp: 892967

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.4	5.6	8.4
68	5.8	4.8	7.2

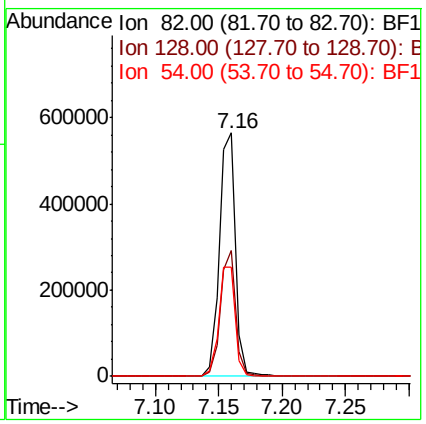




#23
Nitrobenzene-d5
Concen: 34.583 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

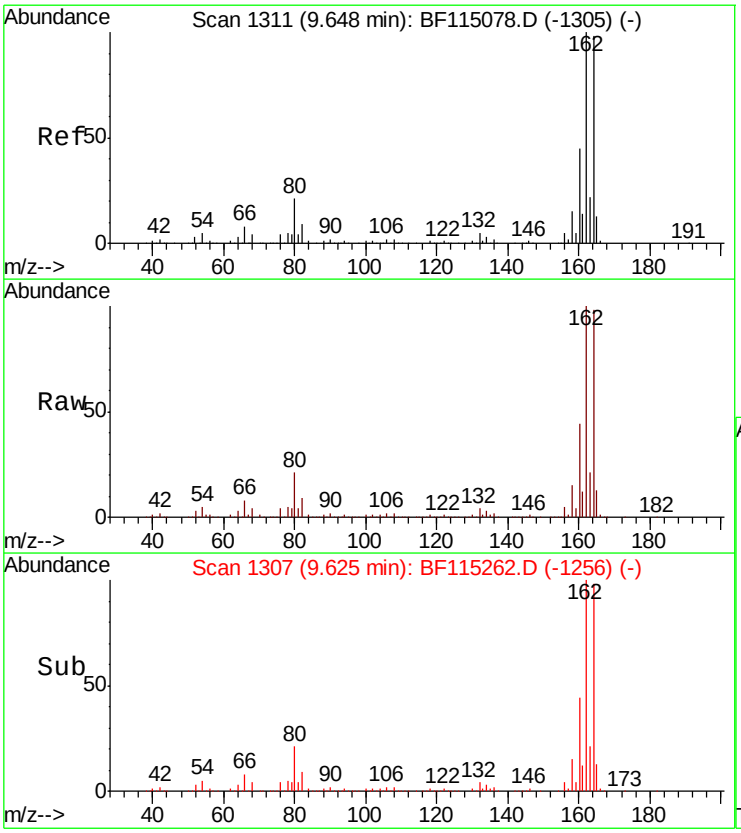
Tgt Ion: 82 Resp: 502015

Ion	Ratio	Lower	Upper
82	100		
128	51.7	40.4	60.6
54	44.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

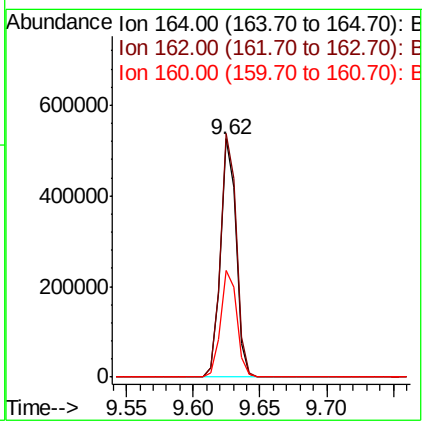
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

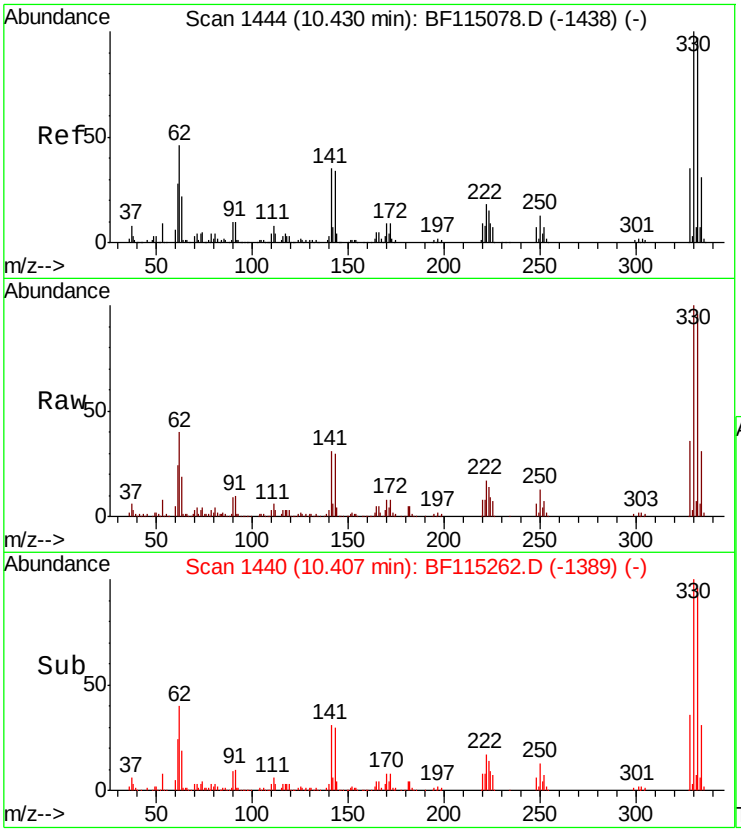


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:164 Resp: 438084

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.7	122.5
160	45.1	37.0	55.4





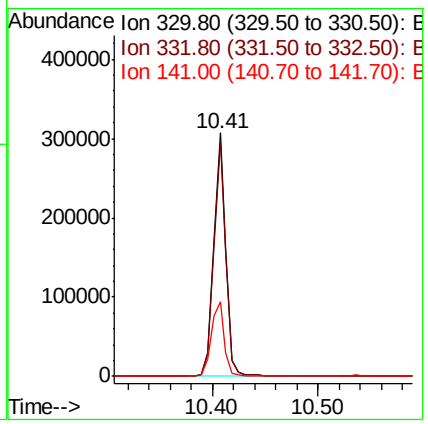
#42
2,4,6-Tribromophenol
Concen: 54.522 ng
RT: 10.41 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

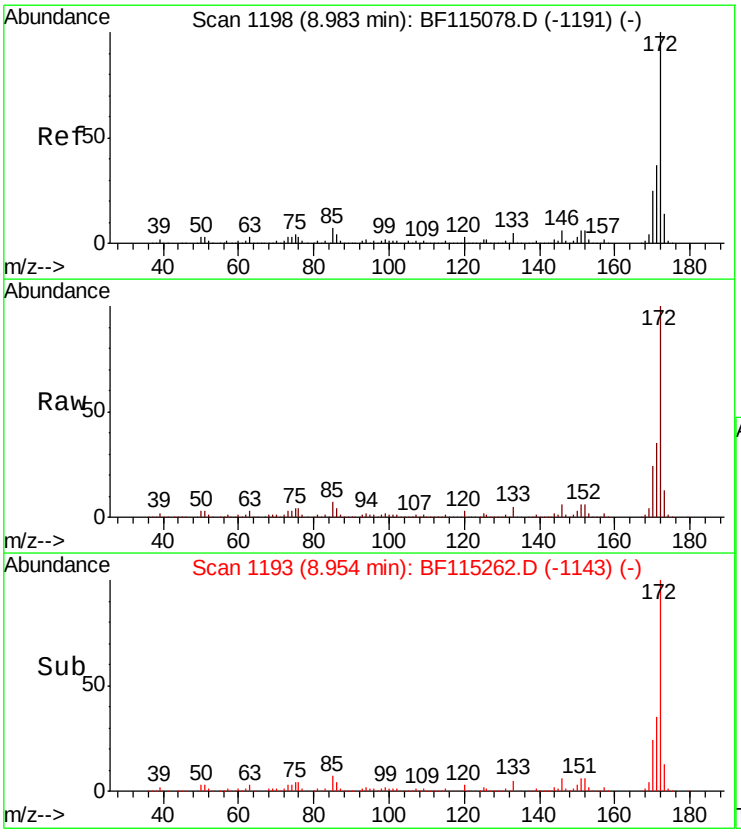
Tgt Ion:330 Resp: 251878

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	32.2	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

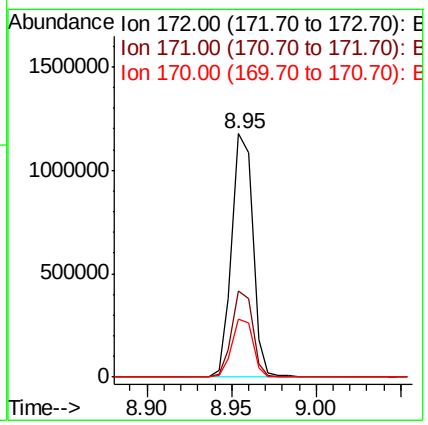


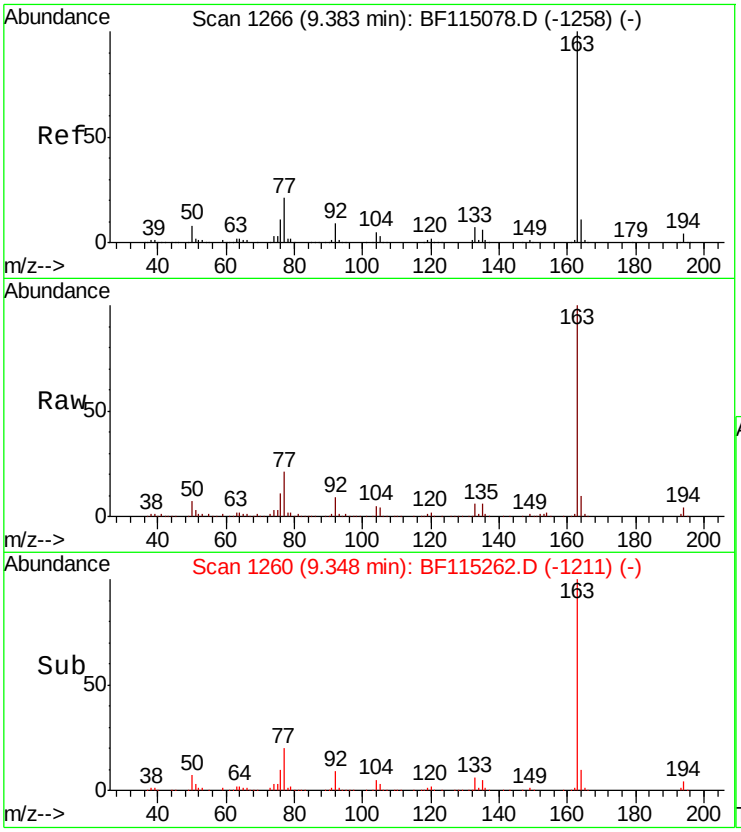


#45
2-Fluorobiphenyl
Concen: 39.784 ng
RT: 8.95 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:172 Resp: 1026049

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.8	44.6
170	24.0	20.3	30.5

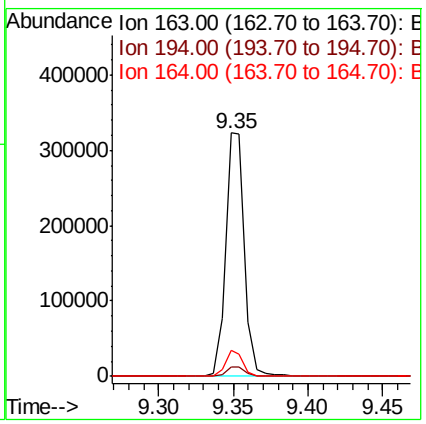




#50
Dimethylphthalate
Concen: 8.953 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

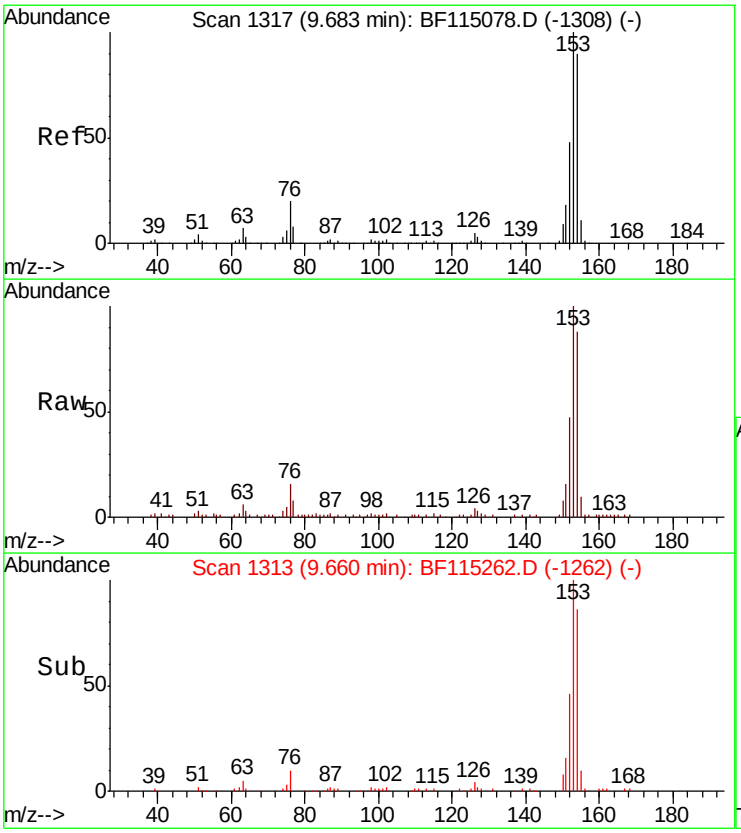
Tgt Ion:163 Resp: 288575

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.4	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

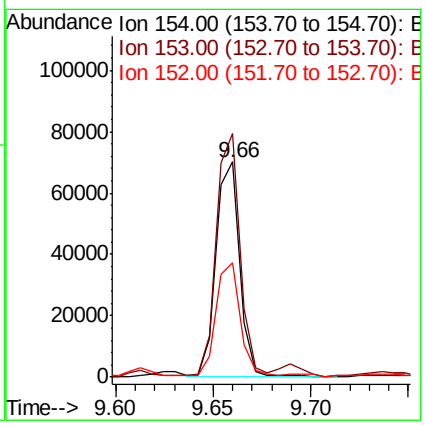
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

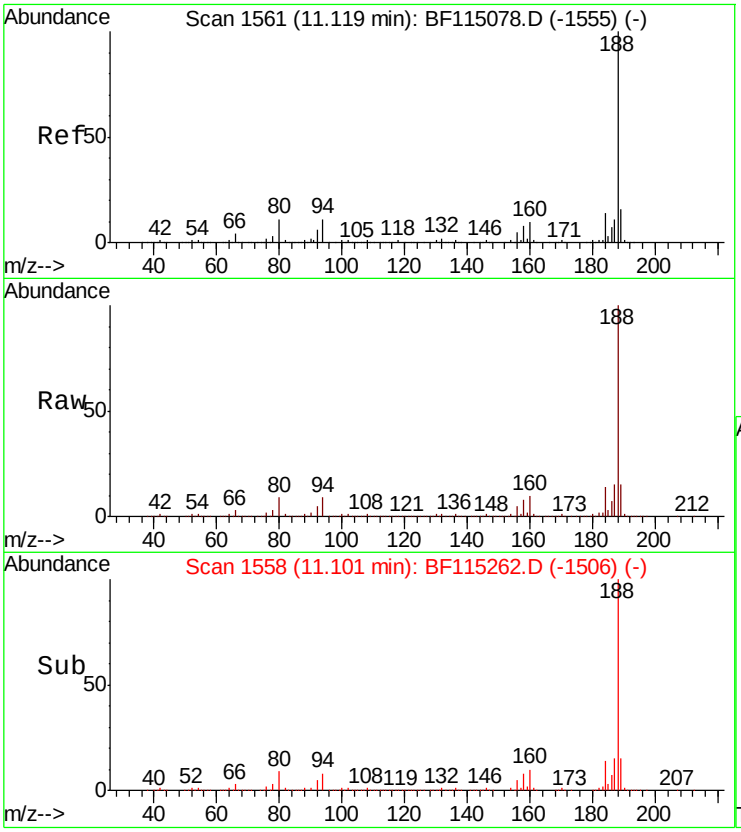


#52
Acenaphthene
Concen: 2.145 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:154 Resp: 59466

Ion	Ratio	Lower	Upper
154	100		
153	113.2	88.7	133.1
152	53.3	42.6	64.0





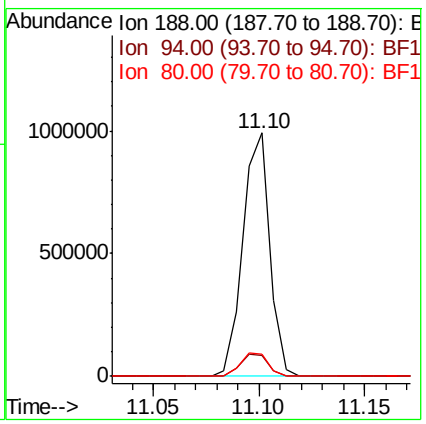
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

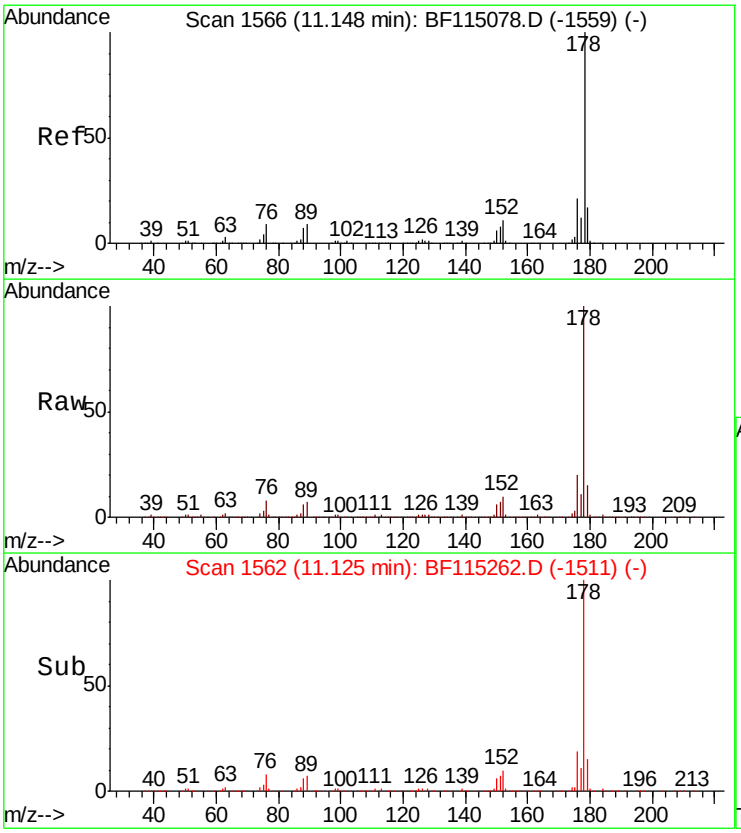
Tgt Ion:188 Resp: 874423

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.6	12.8#
80	9.2	8.8	13.2

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

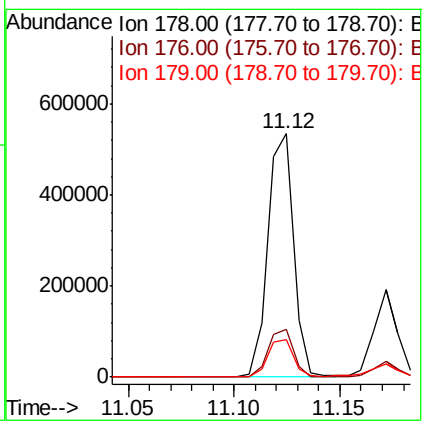


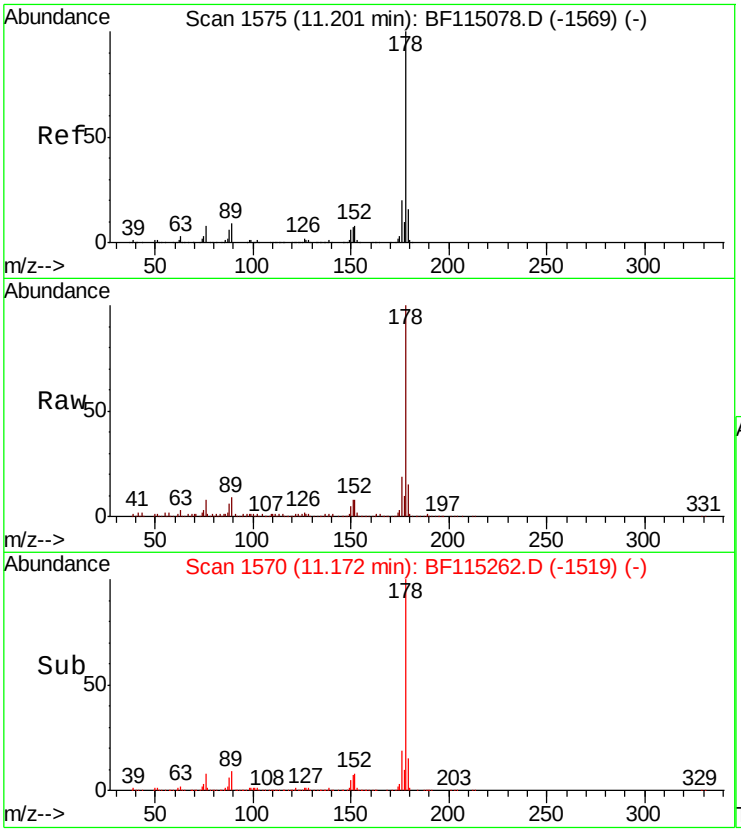


#71
Phenanthrene
Concen: 9.599 ng
RT: 11.12 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:178 Resp: 451940

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	15.5	13.2	19.8

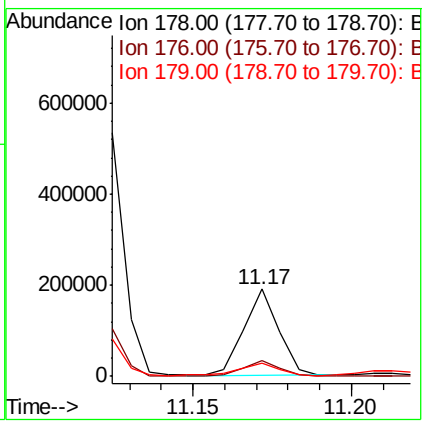




#72
Anthracene
Concen: 3.035 ng
RT: 11.17 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

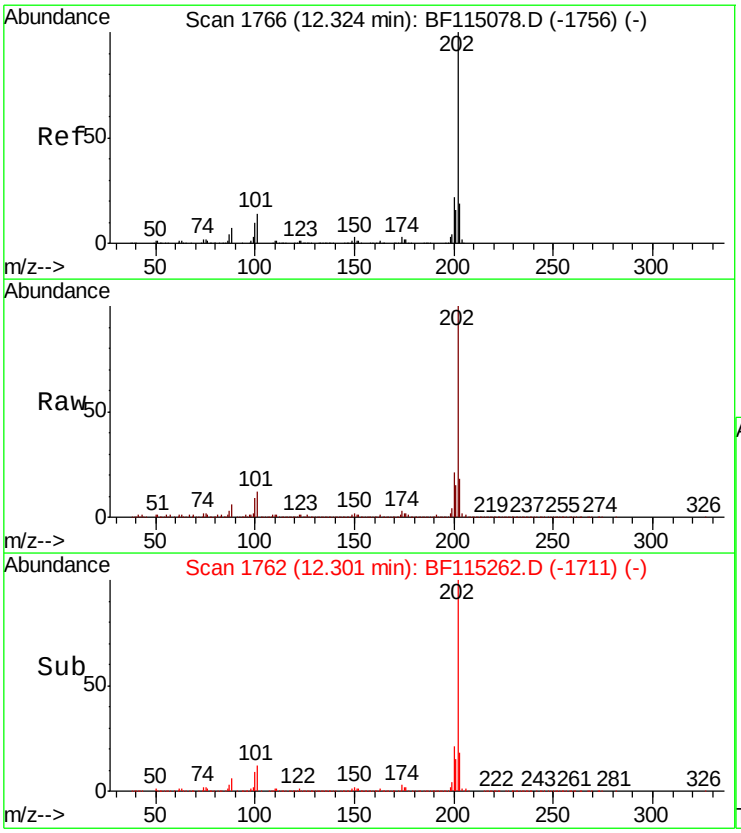
Tgt Ion:178 Resp: 144230

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.1	24.1
179	15.4	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

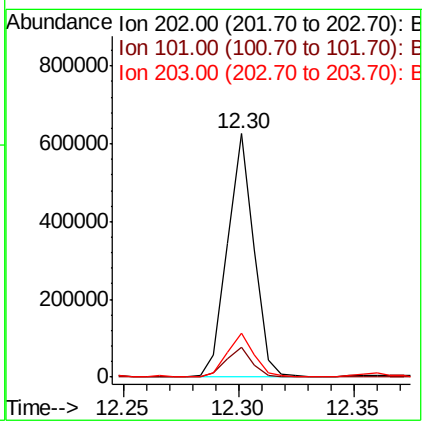
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

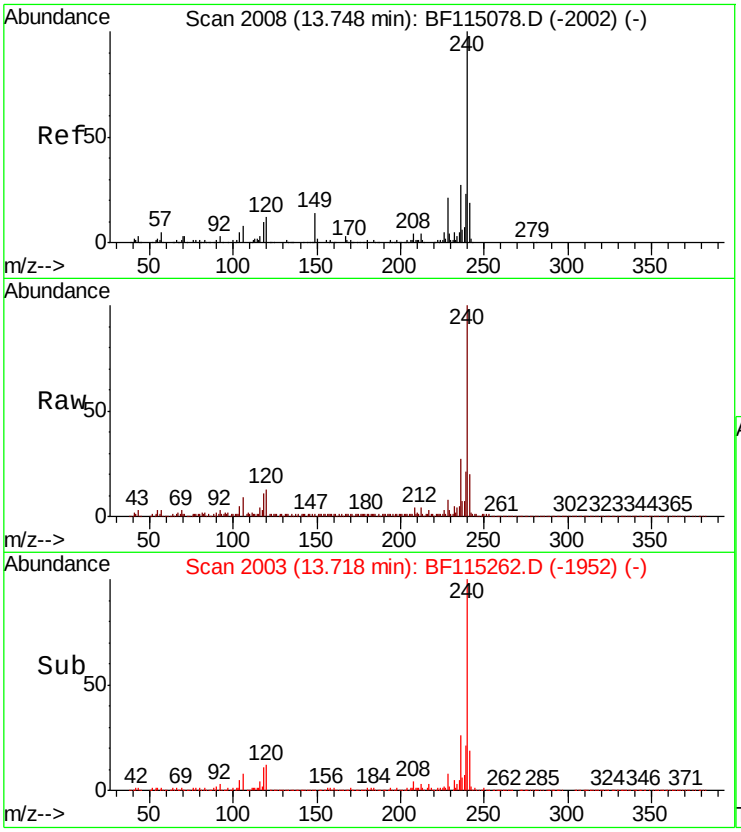


#75
Fluoranthene
Concen: 10.578 ng
RT: 12.30 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:202 Resp: 496906

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.0
203	18.2	0.0	38.8

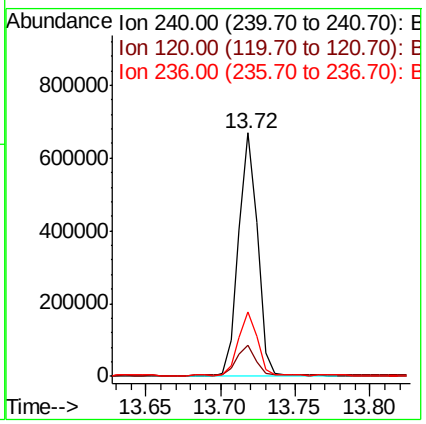




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

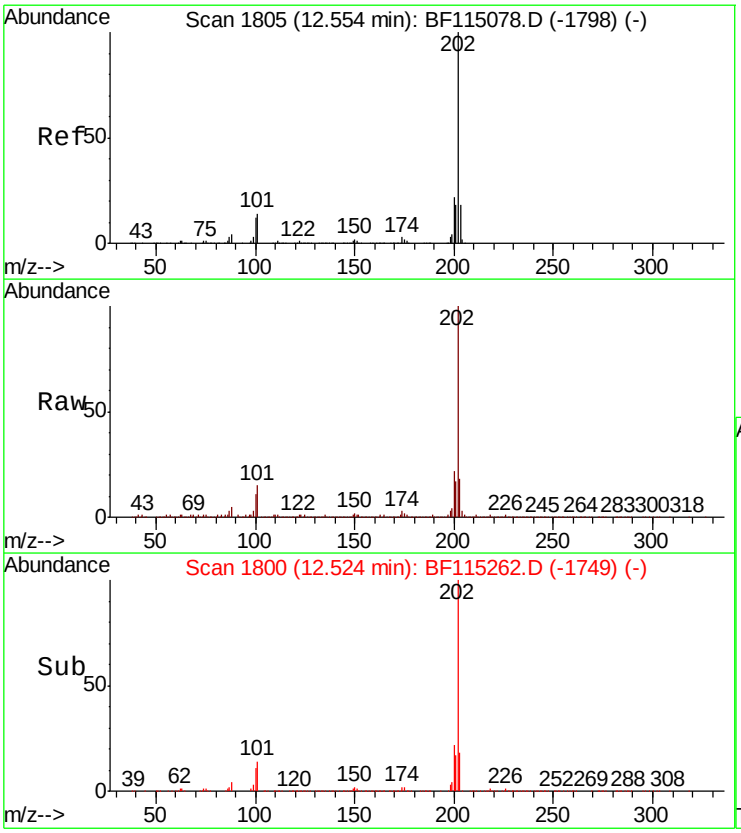
Tgt Ion:240 Resp: 590273

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.4	14.2
236	26.7	21.7	32.5



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

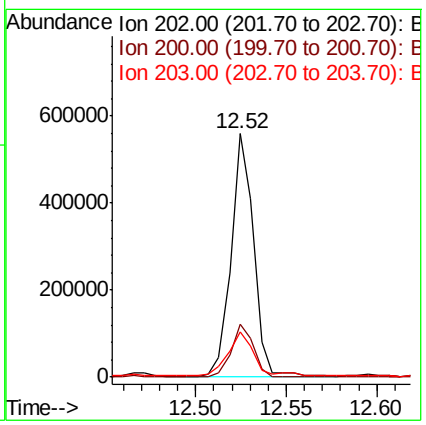
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

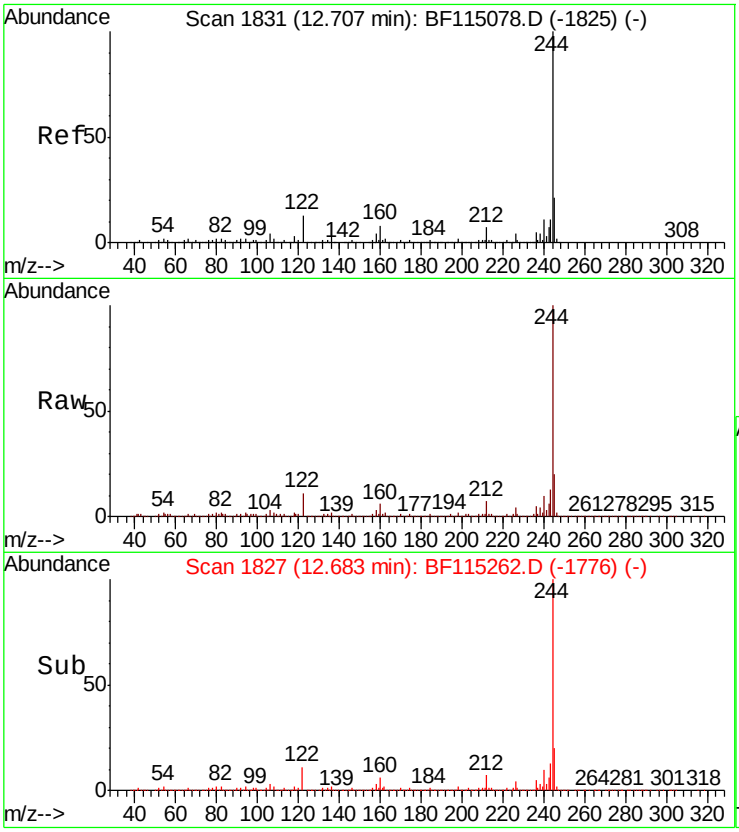


#78
Pyrene
Concen: 10.547 ng
RT: 12.52 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:202 Resp: 478458

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.9	26.9
203	18.4	14.6	21.8

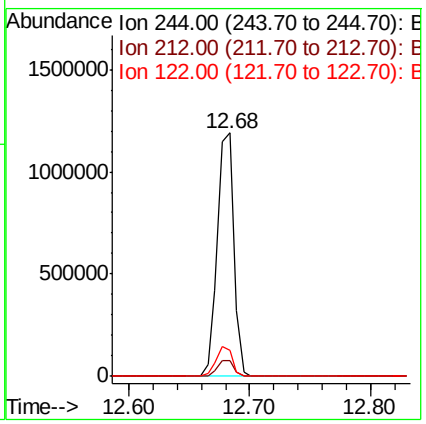




#79
Terphenyl-d14
Concen: 40.517 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

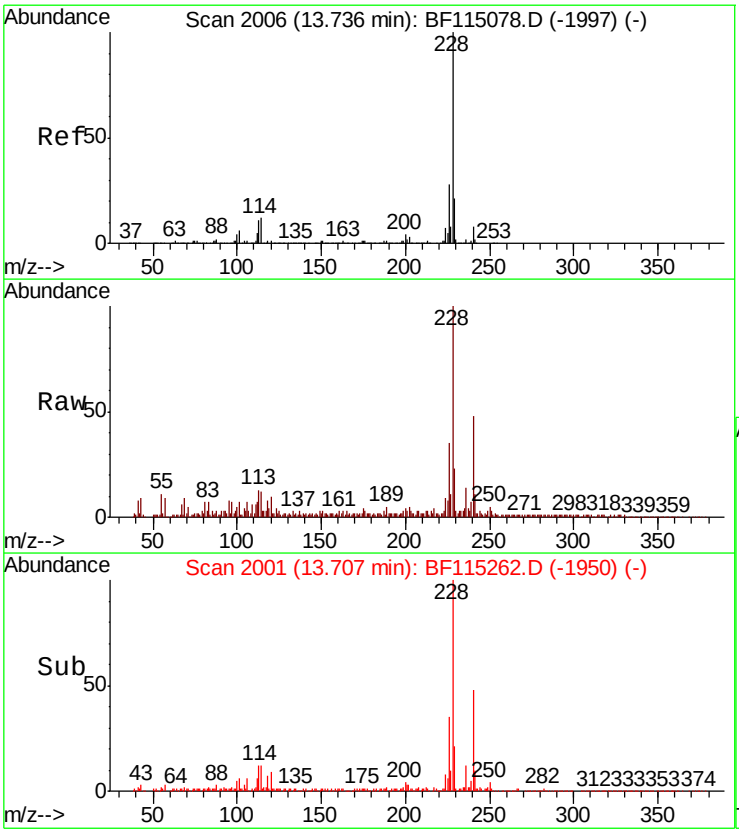
Tgt Ion:244 Resp: 1124853

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	10.6	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

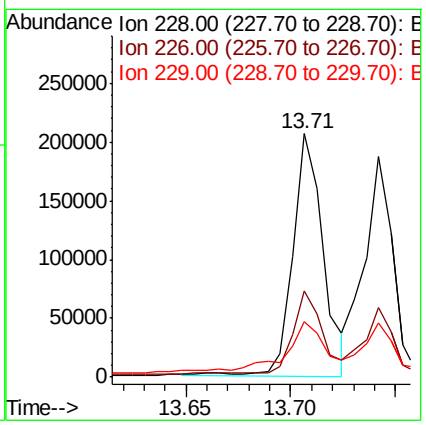
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

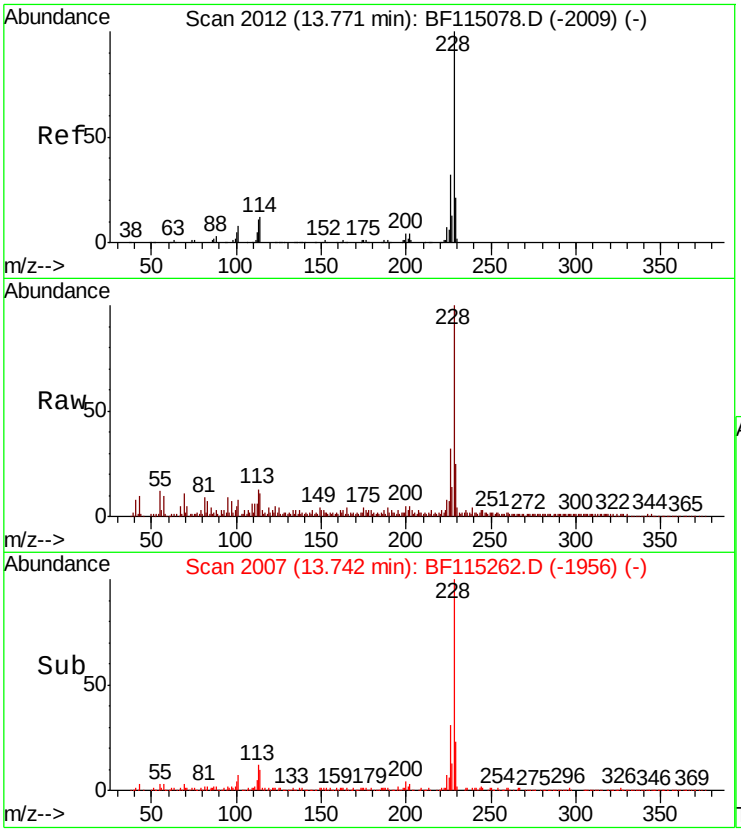


#81
Benzo(a)anthracene
Concen: 4.950 ng m
RT: 13.71 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:228 Resp: 209665

Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.5	33.7#
229	22.7	16.6	24.8

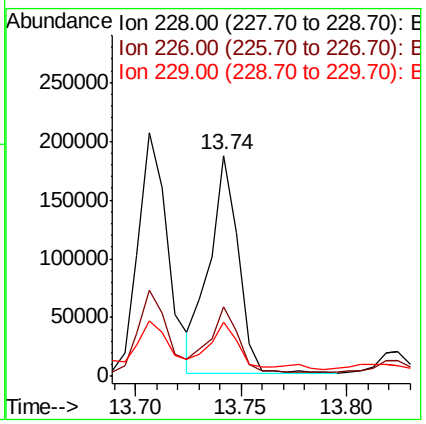




#83
Chrysene
Concen: 4.537 ng
RT: 13.74 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

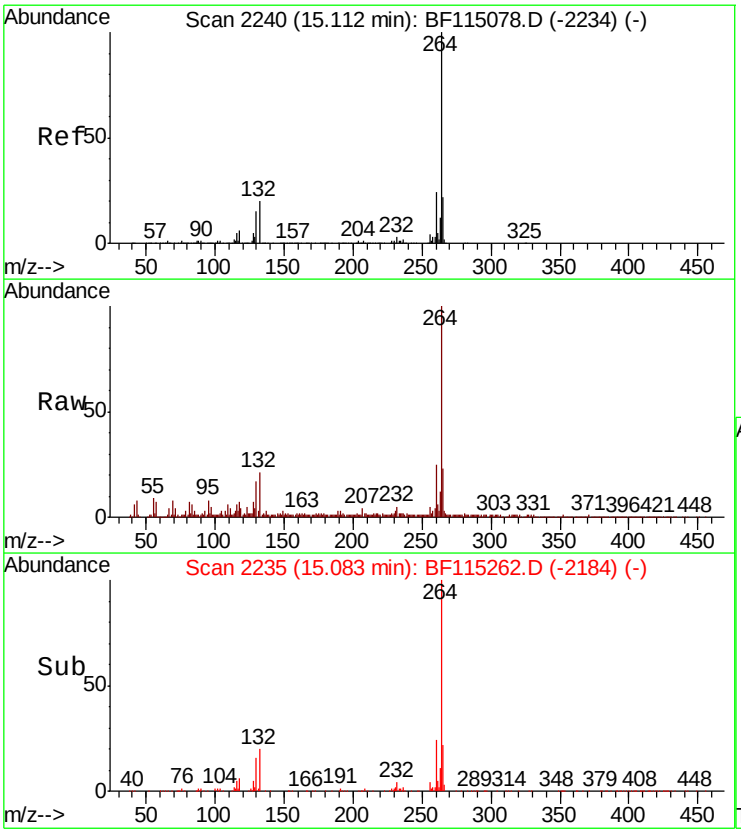
Tgt Ion:228 Resp: 176037

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.4	38.0
229	24.6	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

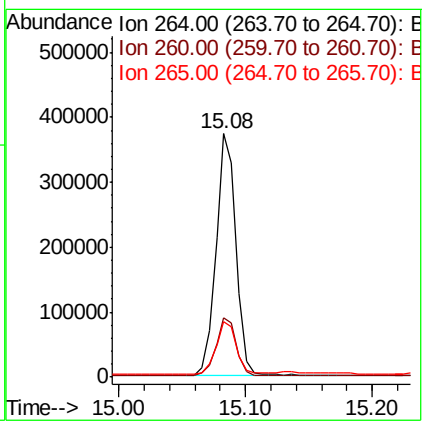
Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

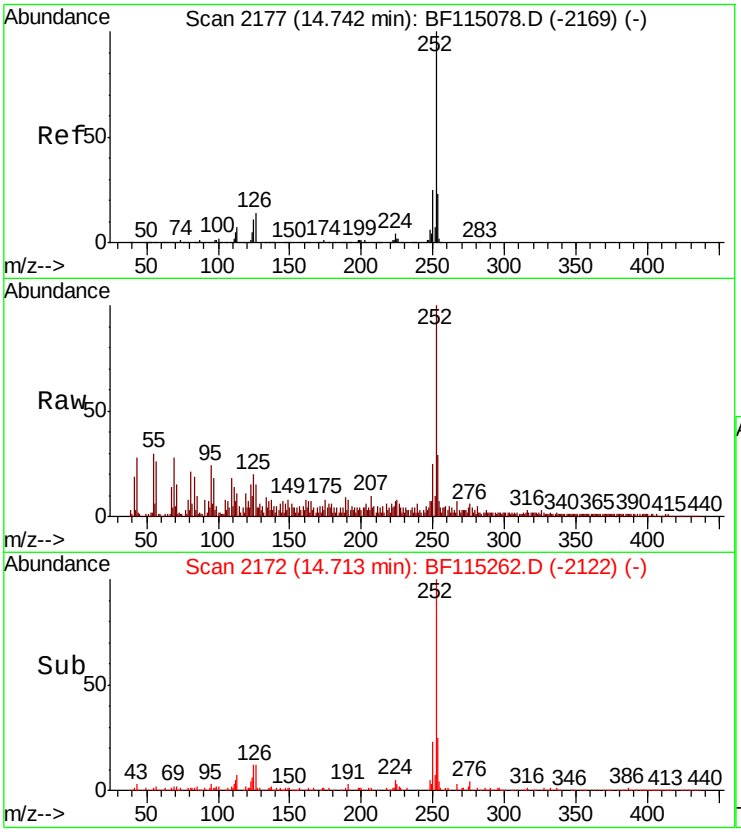


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:264 Resp: 407345

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.8	17.3	25.9





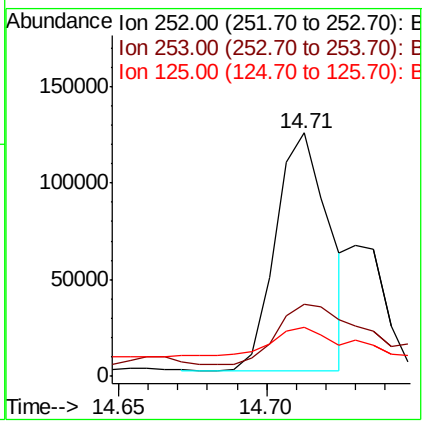
#88
Benzo(b)fluoranthene
Concen: 6.140 ng m
RT: 14.71 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

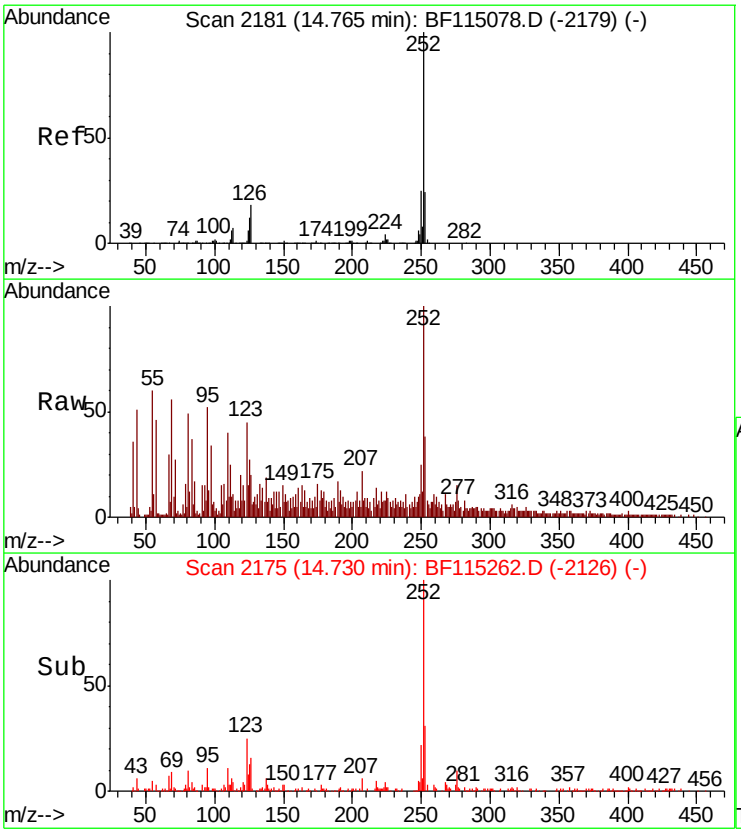
Tgt Ion:252 Resp: 156051

Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.1	27.1#
125	20.0	8.7	13.1#

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM

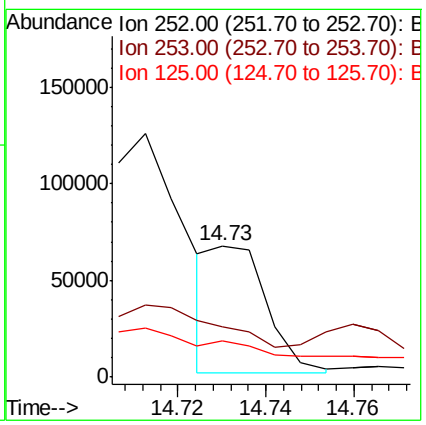


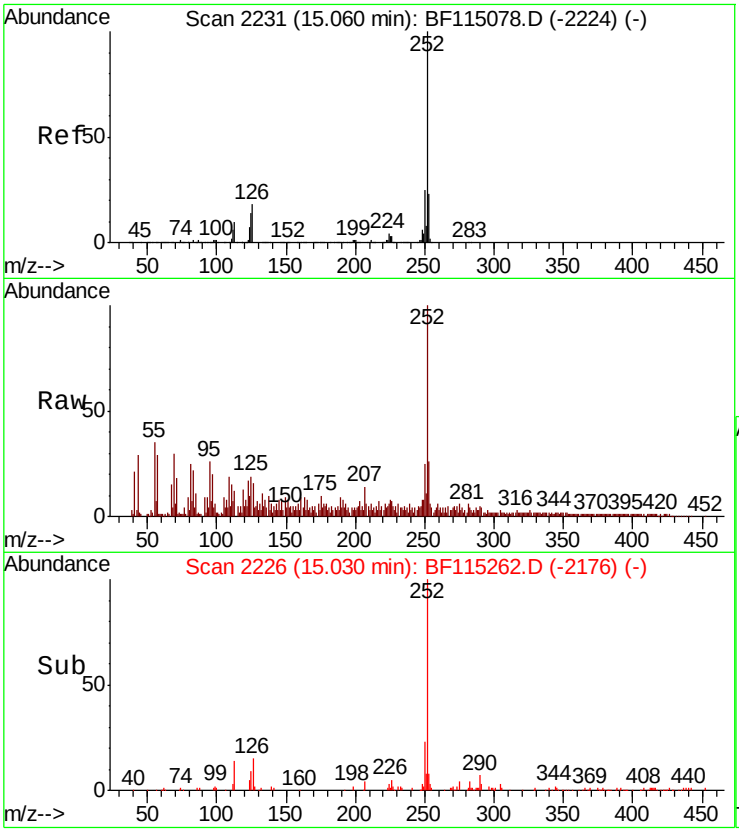


#89
Benzo(k)fluoranthene
Concen: 2.473 ng m
RT: 14.73 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:252 Resp: 56360

Ion	Ratio	Lower	Upper
252	100		
253	38.0	18.9	28.3#
125	27.1	10.2	15.2#





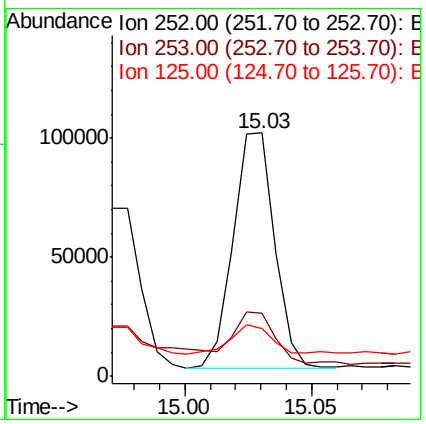
#90
Benzo(a)pyrene
Concen: 4.884 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

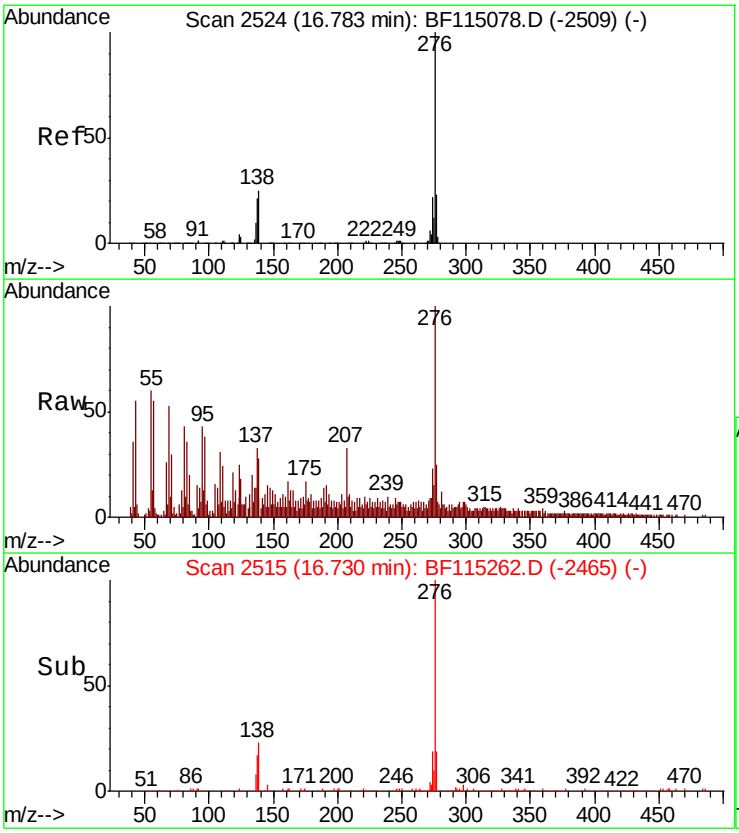
Tgt Ion:252 Resp: 111881

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.3	27.5
125	19.4	10.9	16.3#

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-B

Manual Integrations APPROVED
mohammad
6/28/2019 2:59:10 PM





#92
Benzo(g,h,i)perylene
Concen: 3.115 ng
RT: 16.73 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF115262.D
Acq: 28 Jun 2019 4:01

Tgt Ion:276 Resp: 67422

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	28.3	19.8	29.6