Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117071.D
Acq On : 16 Sep 2019 18:52
Operator : HP/JU
Sample : K4862-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-4-5

Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

Quant Time: Sep 17 07:00:31 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	6.83	152	54439	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	225313	20.00	ng		0.00
39) Acenaphthene-d10	9.85	164	103237	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	145647	20.00	ng		0.00
76) Chrysene-d12	13.97	240	98366	20.00	ng		0.00
87) Perylene-d12	15.43	264	69908	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	67153	19.26	ng		0.00
7) Phenol-d6	6.46	99	101403	22.50	ng		0.00
23) Nitrobenzene-d5	7.39	82	54616	12.74	ng		0.00
42) 2,4,6-Tribromophenol	10.64	330	16068	18.62	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	112354	17.02	ng		0.00
79) Terphenyl-d14	12.92	244	85584	16.26	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.36	178	60516	7.315	ng		98
72) Anthracene	11.41	178	22688	2.686	ng		98
75) Fluoranthene	12.55	202	118942	13.993	ng		97
78) Pyrene	12.77	202	102807	12.456	ng		98
81) Benzo(a)anthracene	13.96	228	47509	7.229	ng		94
83) Chrysene	14.00	228	42904m	6.694	ng		
86) Indeno(1,2,3-cd)pyrene	16.87	276	14132	3.022	ng	#	88
88) Benzo(b)fluoranthene	15.01	252	33282m	7.860	ng		
89) Benzo(k)fluoranthene	15.02	252	16202m	4.039	ng		
90) Benzo(a)pyrene	15.37	252	25811	6.946	ng	#	75
92) Benzo(g,h,i)perylene	17.31	276	16030	5.434	ng	#	89

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

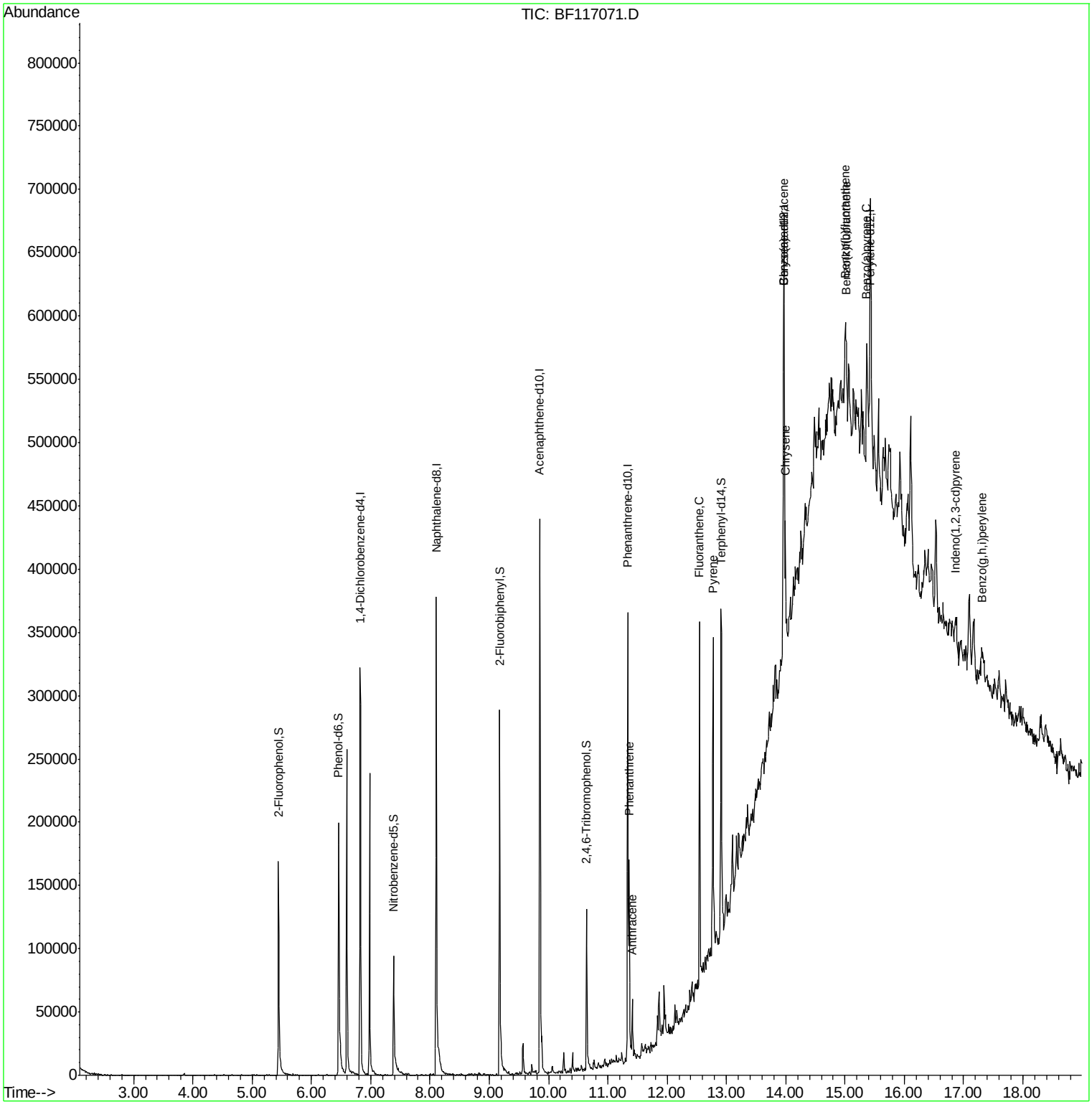
Quantitation Report (QT Reviewed)

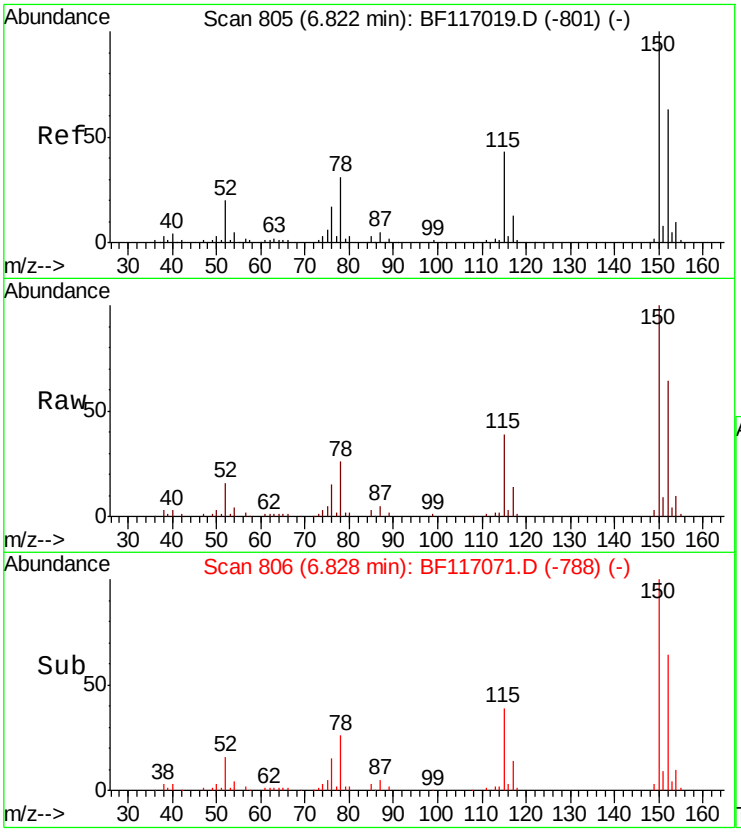
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117071.D
Acq On : 16 Sep 2019 18:52
Operator : HP/JU
Sample : K4862-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 17 07:00:31 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 :
CSA-4-5

Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

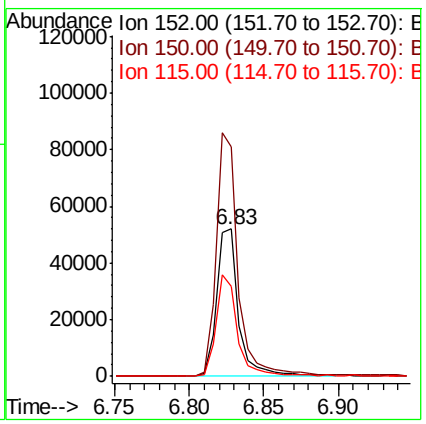




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

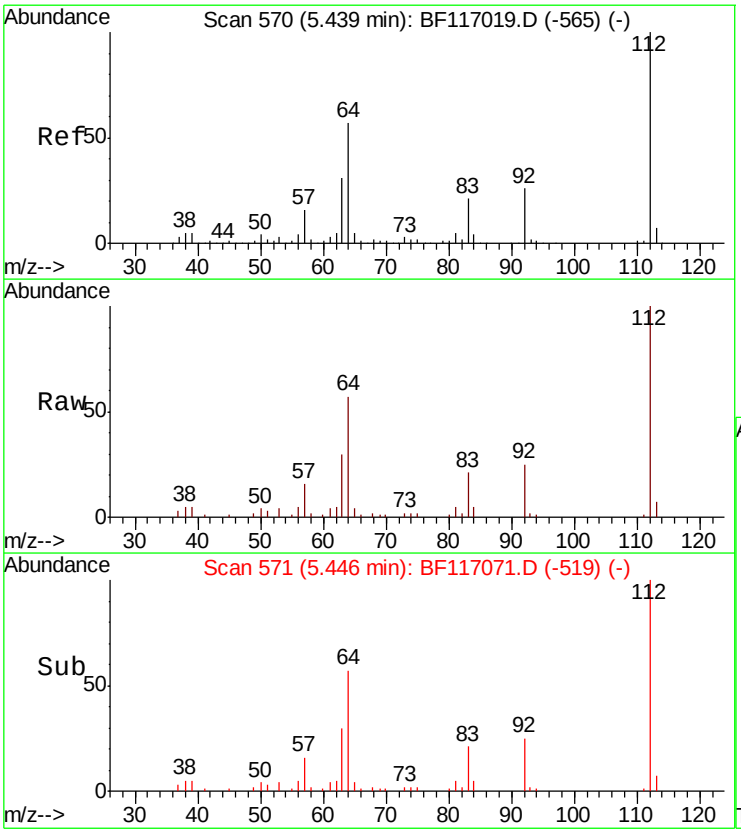
Tgt Ion:152 Resp: 54439

Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.5	191.3
115	61.1	55.0	82.4



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

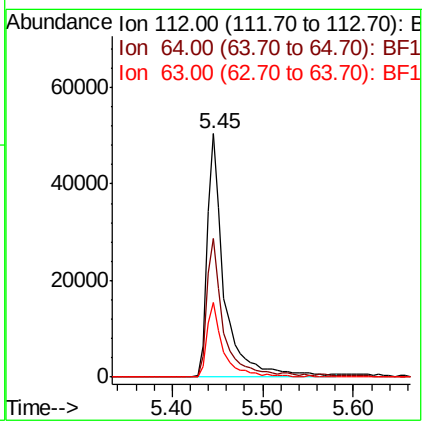
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

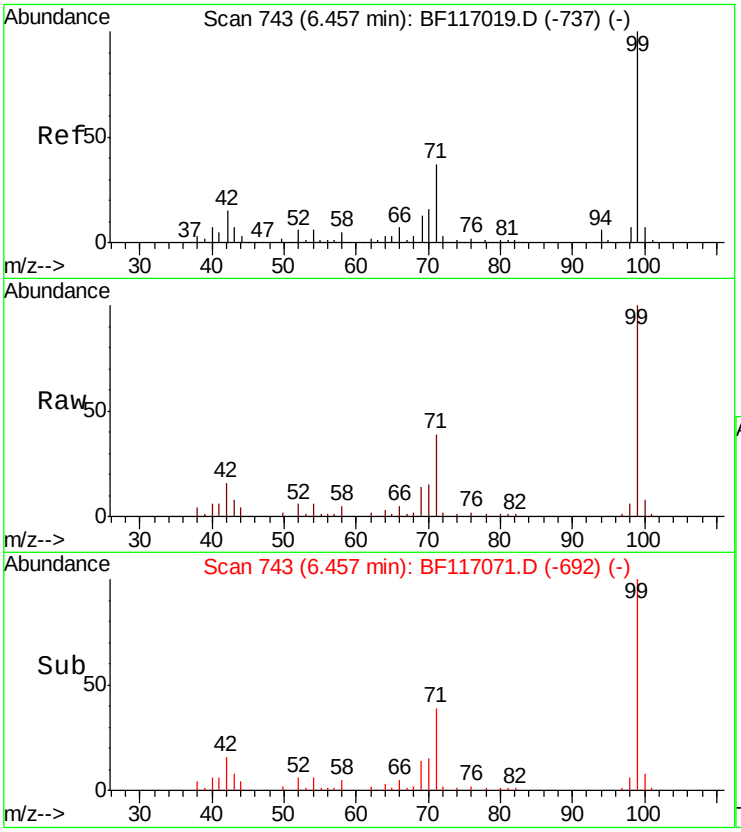


#5
2-Fluorophenol
Concen: 19.259 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:112 Resp: 67153

Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.7	68.5
63	30.5	24.9	37.3

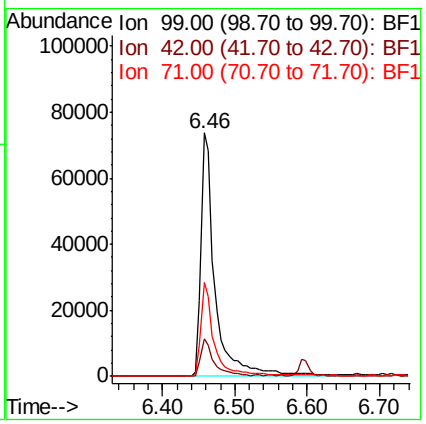




#7
Phenol-d6
Concen: 22.502 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

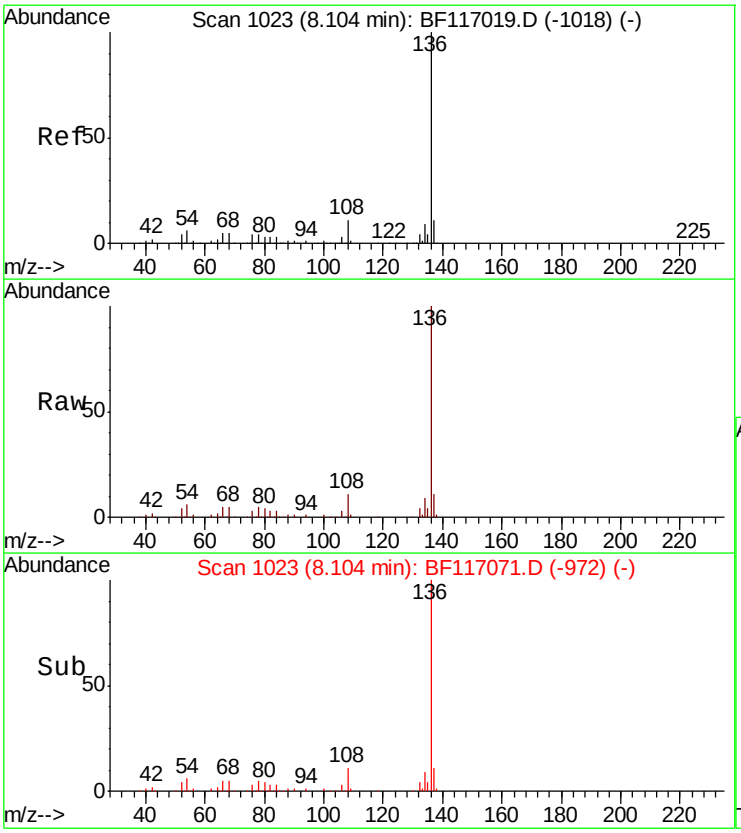
Tgt Ion: 99 Resp: 101403

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	38.7	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

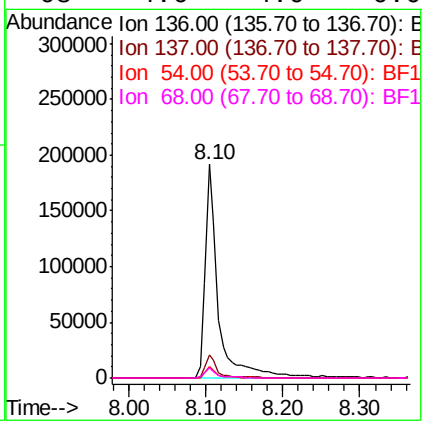
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

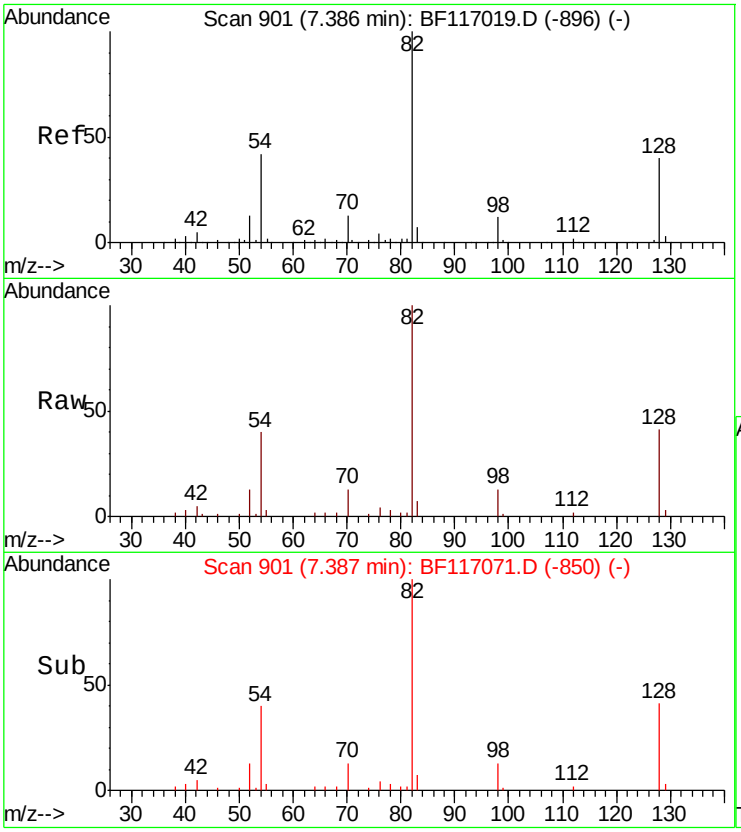


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:136 Resp: 225313

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.5	4.5	6.7
68	4.6	4.0	6.0

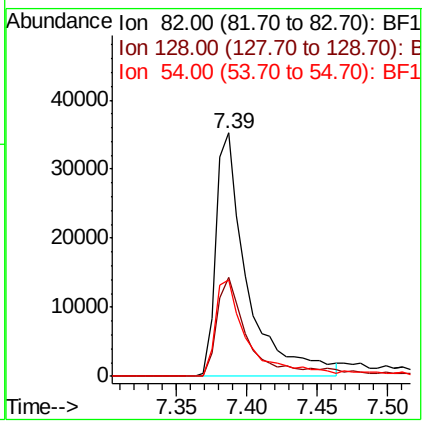




#23
Nitrobenzene-d5
Concen: 12.736 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

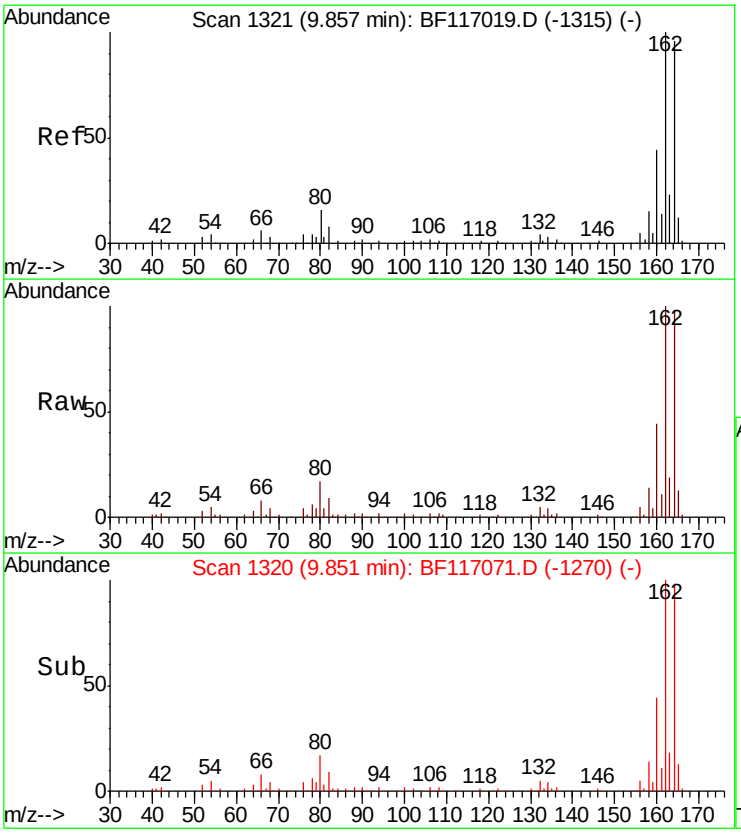
Tgt Ion: 82 Resp: 54616

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.3	48.5
54	39.7	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

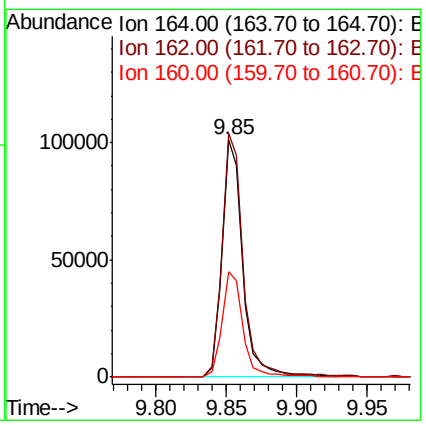
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

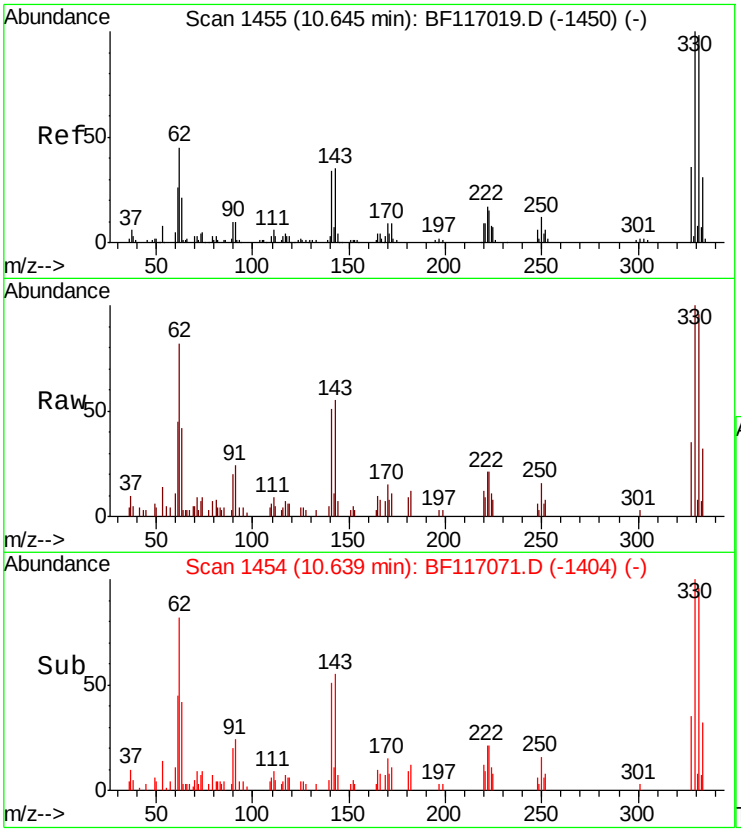


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:164 Resp: 103237

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.4	125.2
160	44.6	36.4	54.6

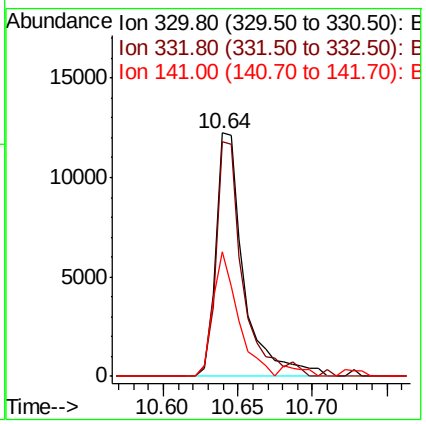




#42
2,4,6-Tribromophenol
Concen: 18.623 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

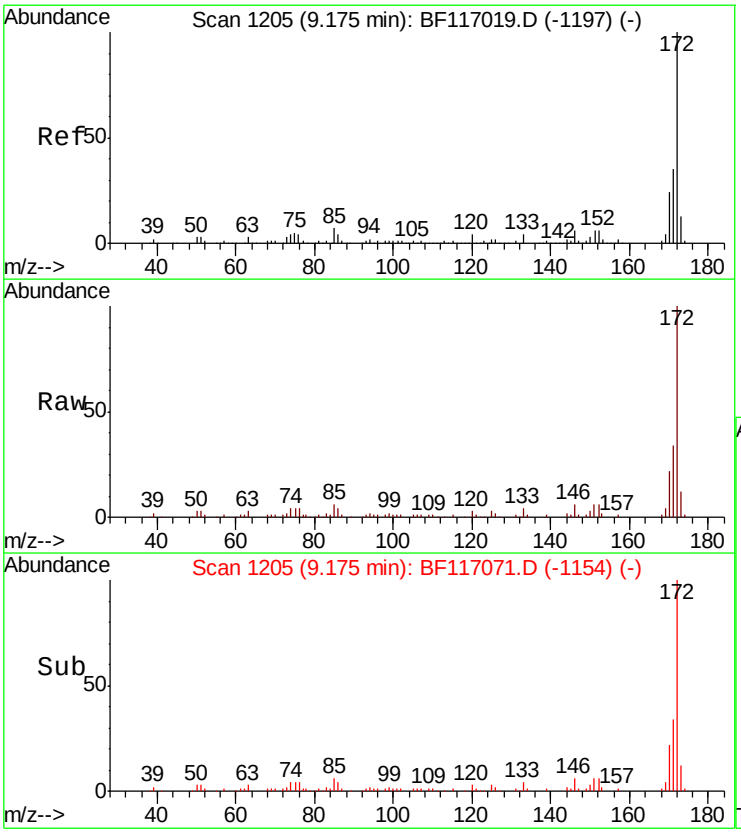
Tgt Ion:330 Resp: 16068

Ion	Ratio	Lower	Upper
330	100		
332	91.5	78.0	117.0
141	45.5	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

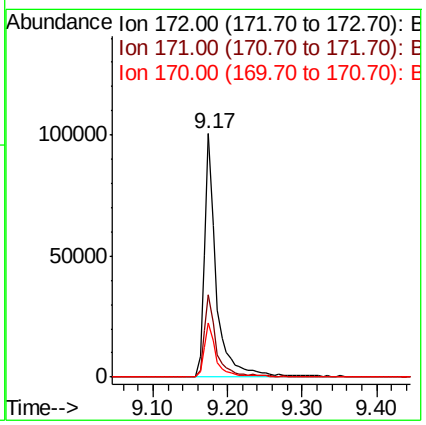
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

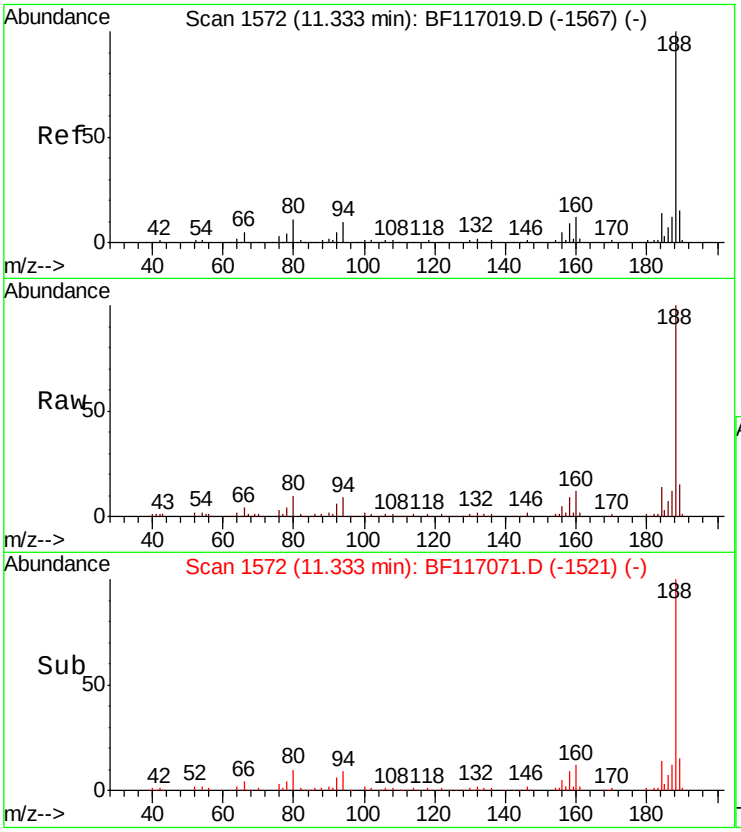


#45
2-Fluorobiphenyl
Concen: 17.017 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:172 Resp: 112354

Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.2	42.2
170	22.3	18.9	28.3





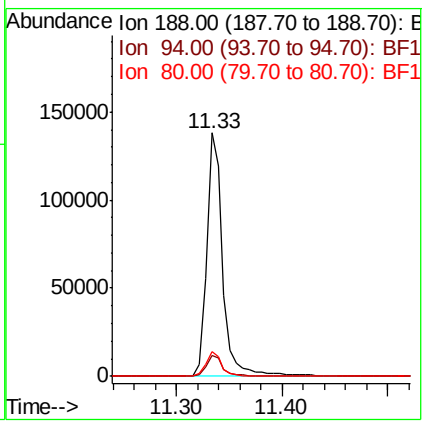
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

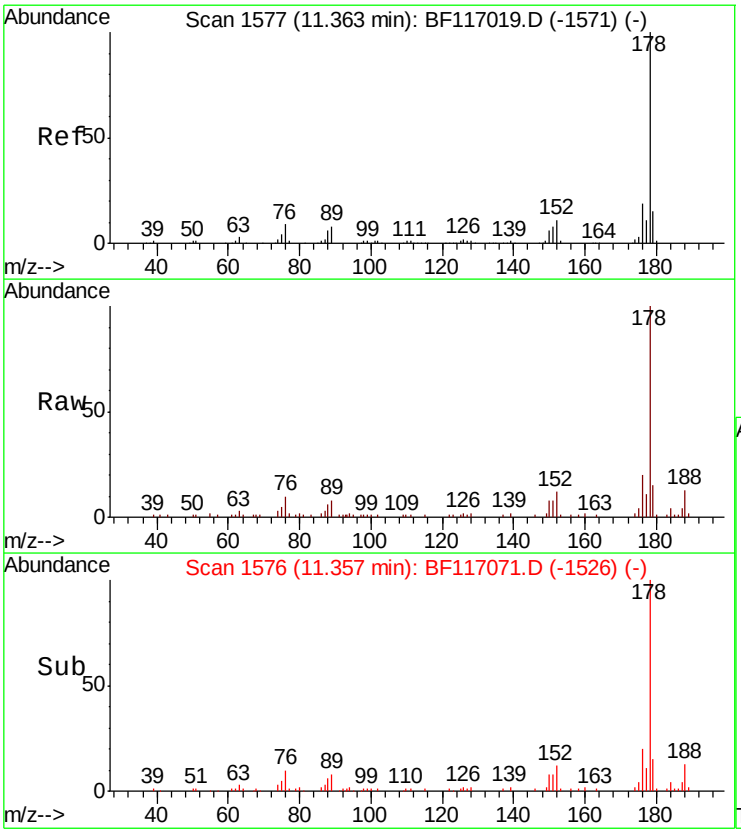
Tgt Ion:188 Resp: 145647

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	10.3	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
CSA-4-5

Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

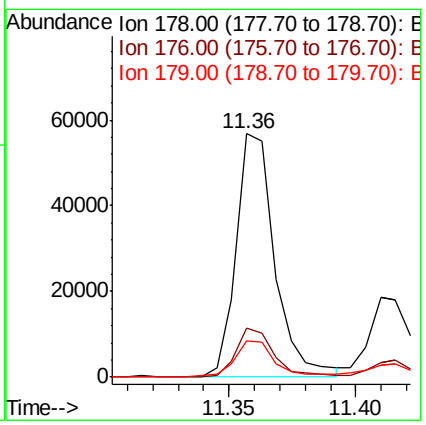


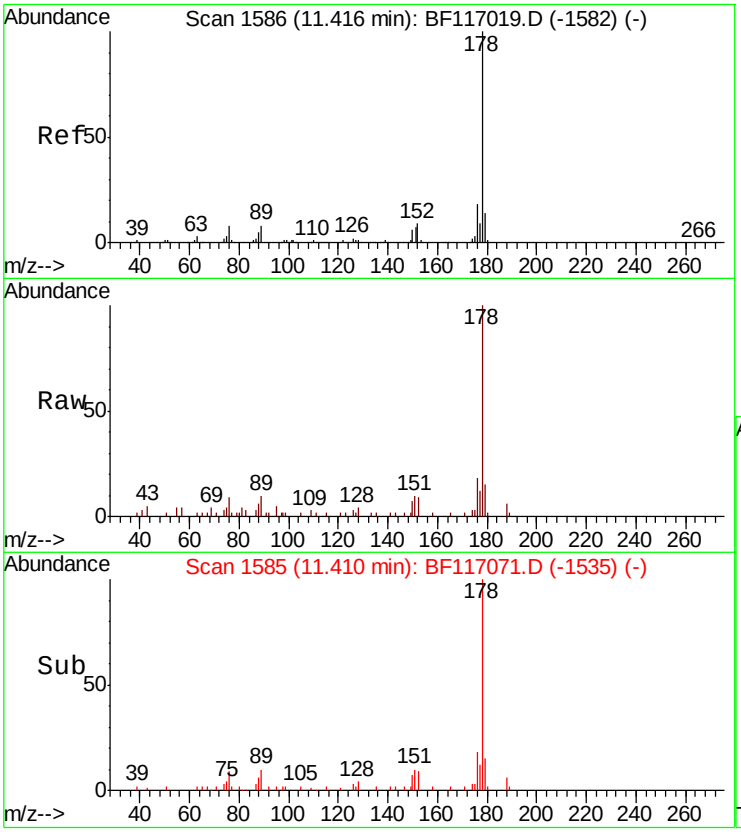


#71
Phenanthrene
Concen: 7.315 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:178 Resp: 60516

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	14.8	12.4	18.6

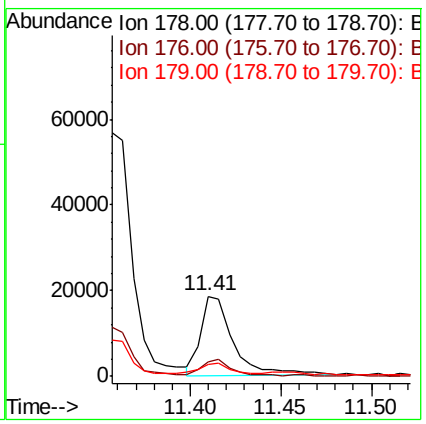




#72
Anthracene
Concen: 2.686 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

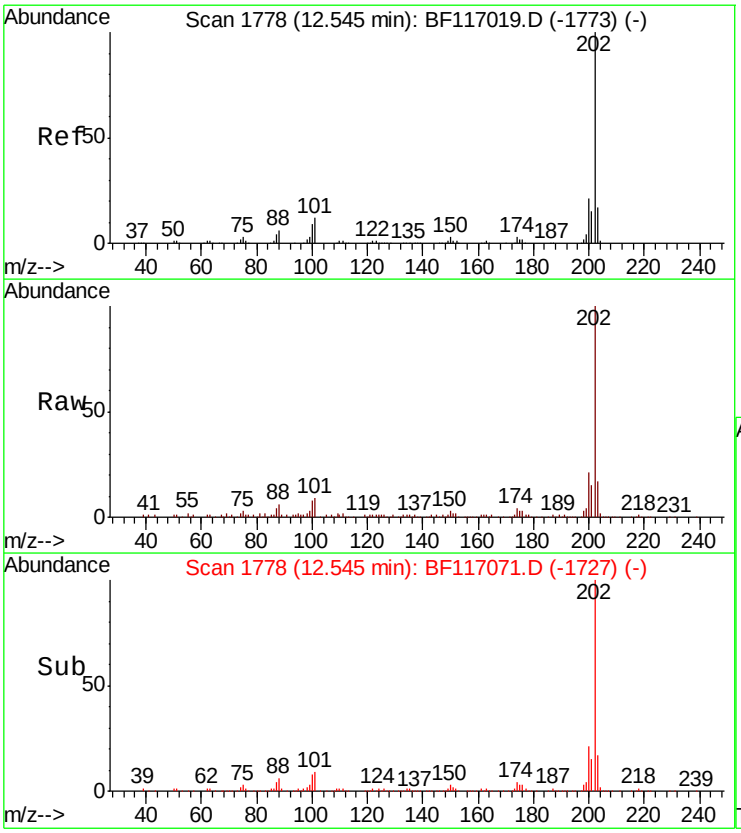
Tgt Ion:178 Resp: 22688

Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.6	21.8
179	15.5	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

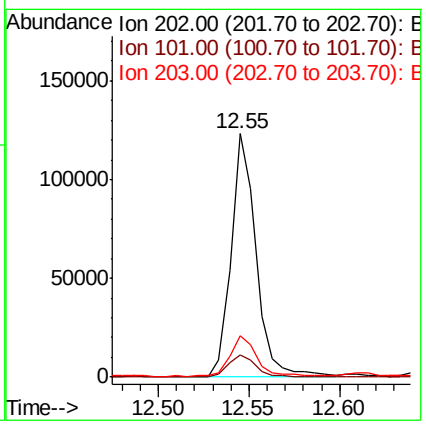
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

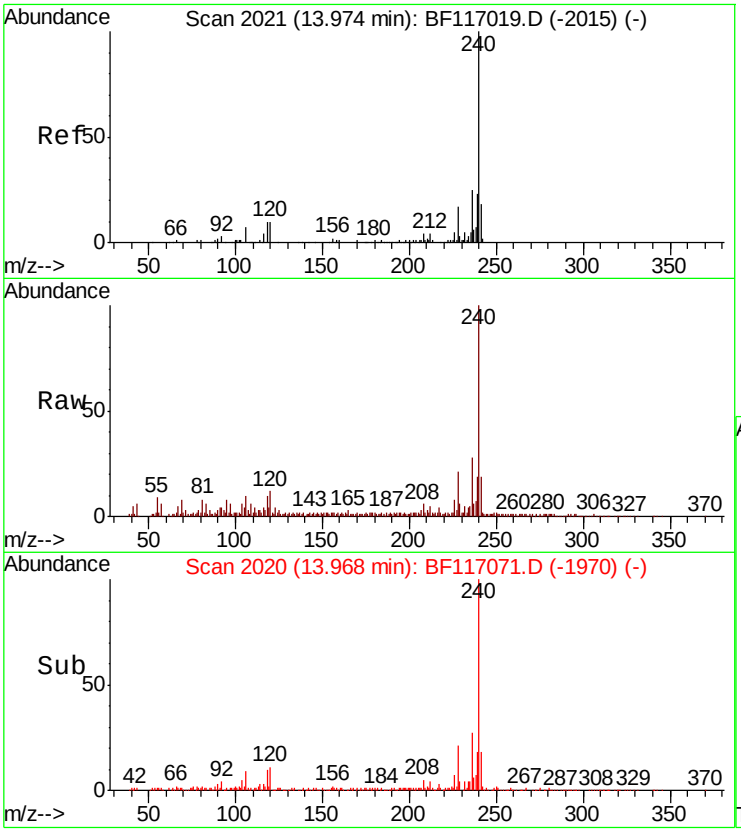


#75
Fluoranthene
Concen: 13.993 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:202 Resp: 118942

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	32.3
203	17.1	0.0	37.1

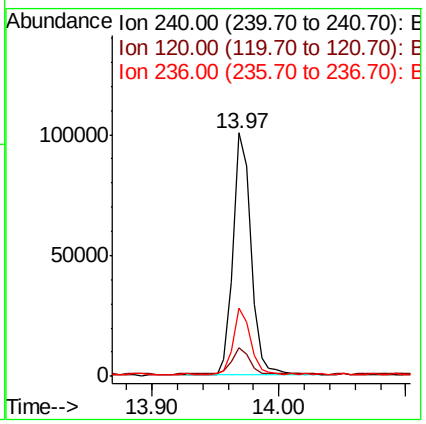




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

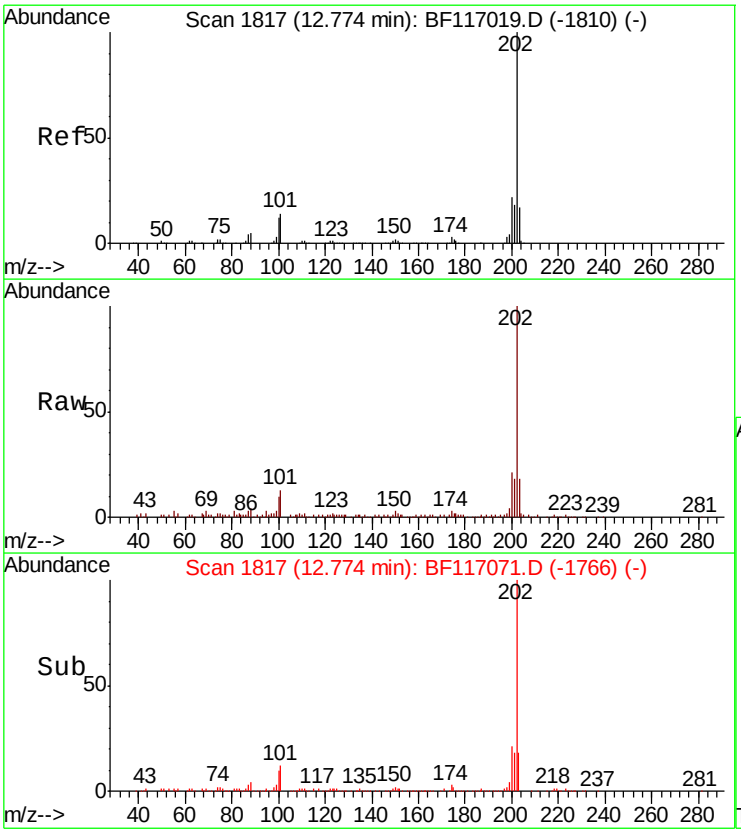
Tgt Ion:240 Resp: 98366

Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	27.9	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

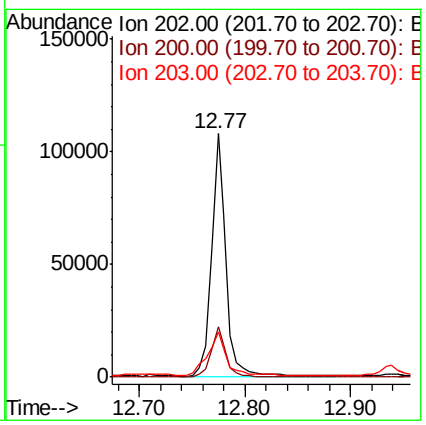
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

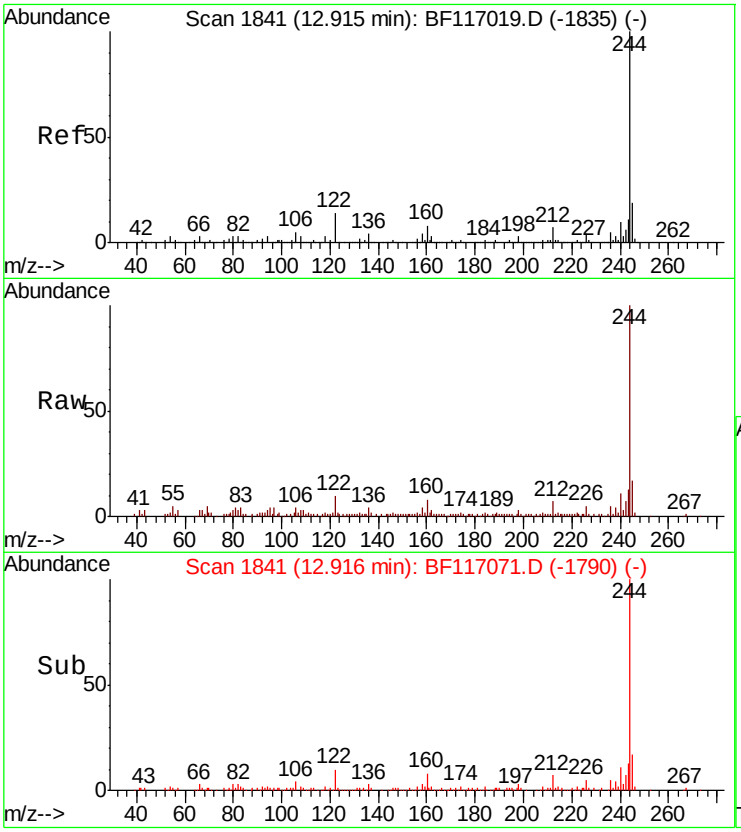


#78
Pyrene
Concen: 12.456 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:202 Resp: 102807

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	18.3	14.0	21.0

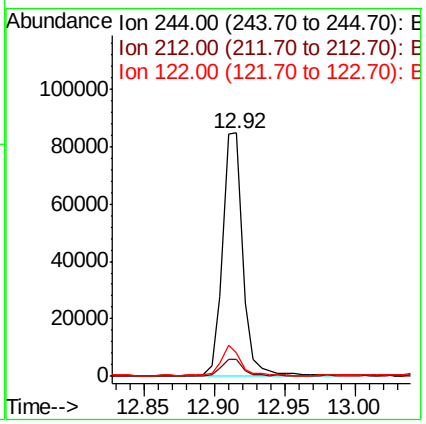




#79
Terphenyl-d14
Concen: 16.263 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

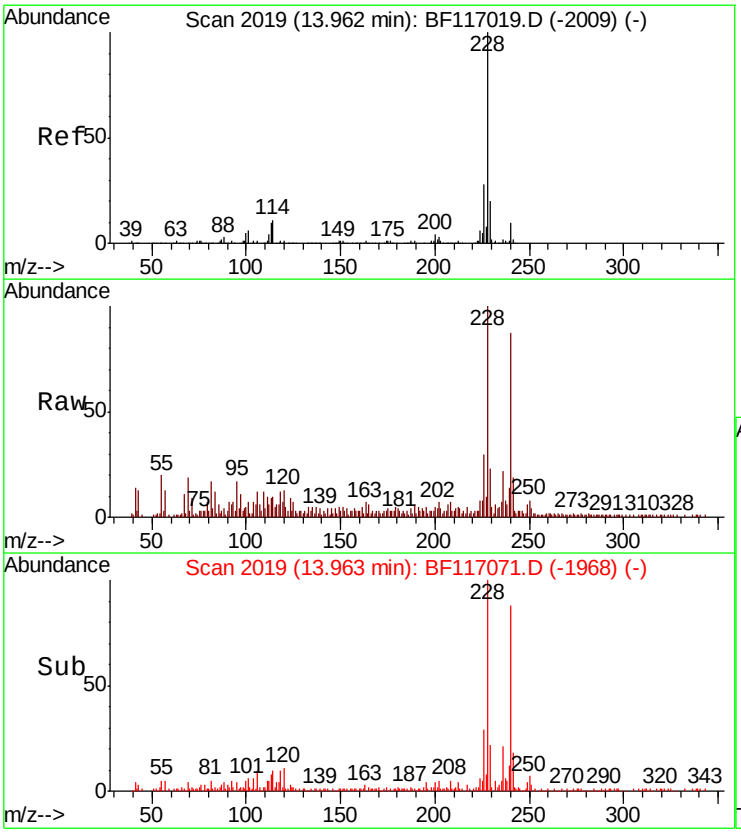
Tgt Ion:244 Resp: 85584

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.6	11.3	16.9#



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

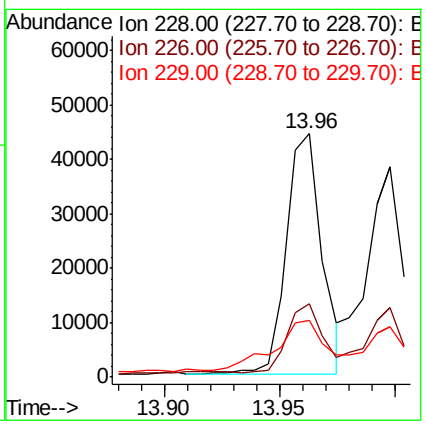
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

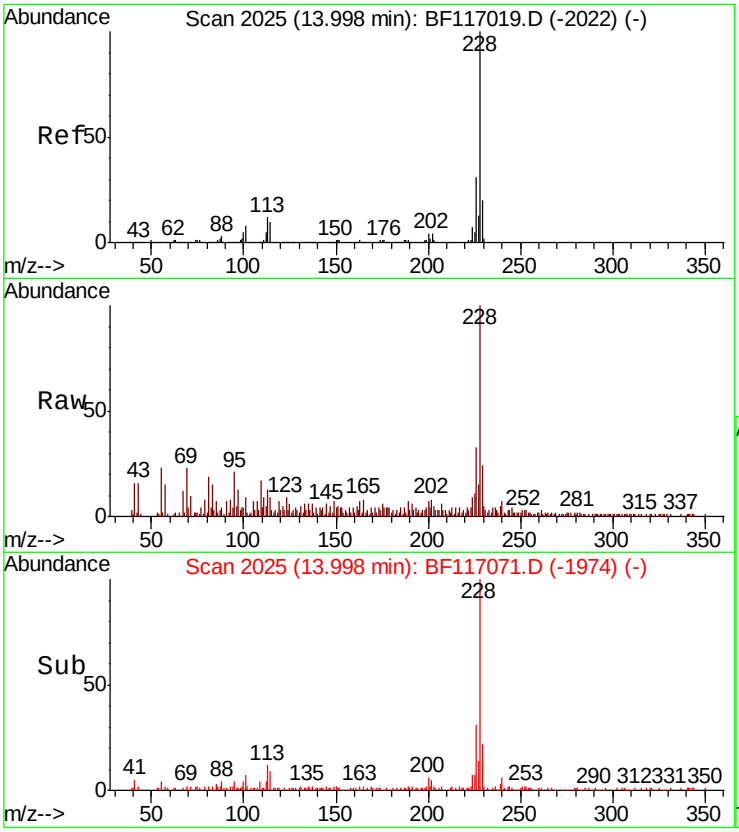


#81
Benzo(a)anthracene
Concen: 7.229 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:228 Resp: 47509

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	23.4	15.9	23.9

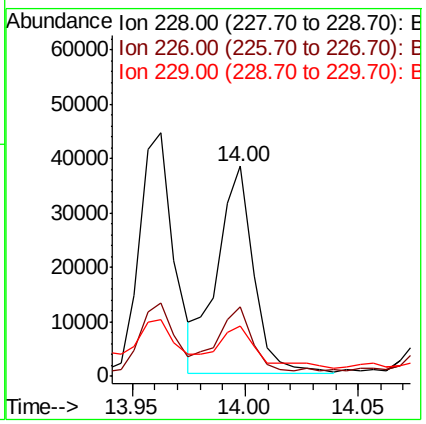




#83
Chrysene
Concen: 6.694 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

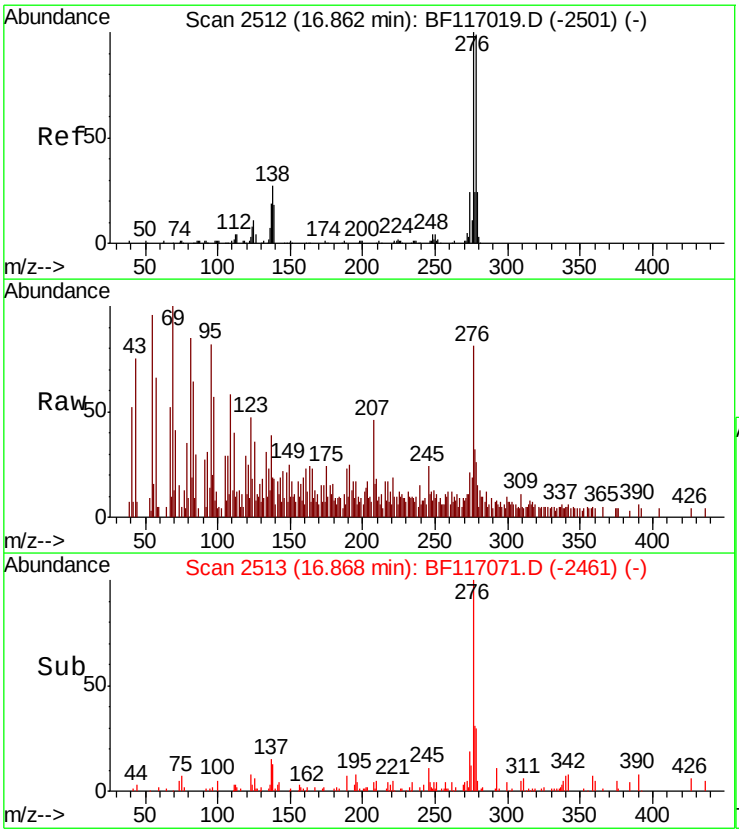
Tgt Ion:228 Resp: 42904

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.8	37.2
229	24.1	15.8	23.8#



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

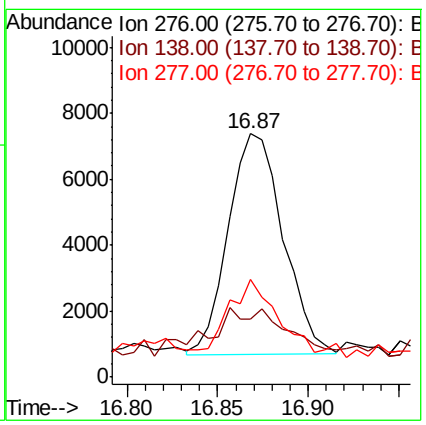
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

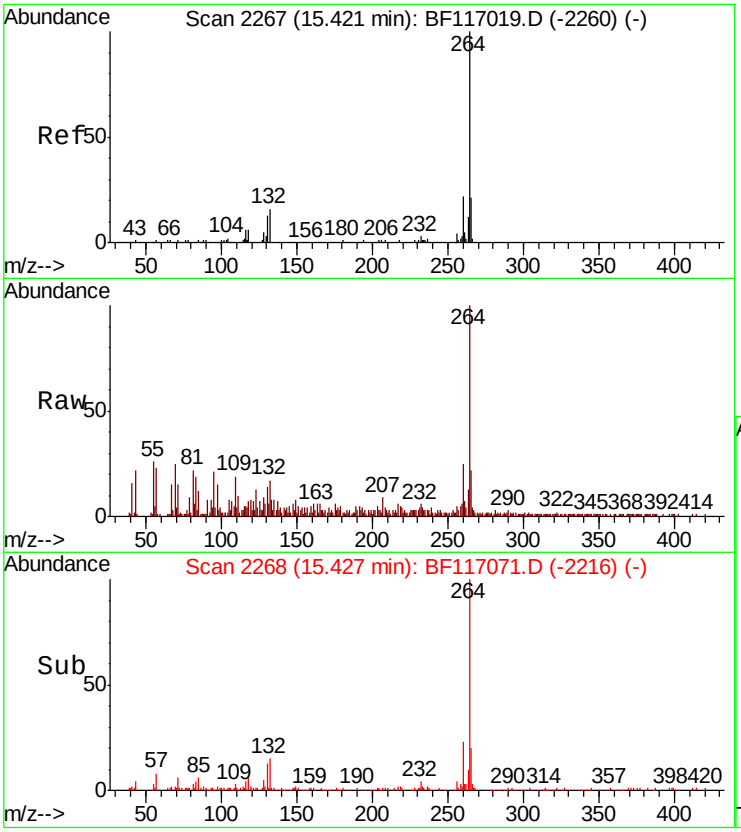


#86
Indeno(1,2,3-cd)pyrene
Concen: 3.022 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:276 Resp: 14132

Ion	Ratio	Lower	Upper
276	100		
138	17.5	20.7	31.1#
277	28.7	19.8	29.8

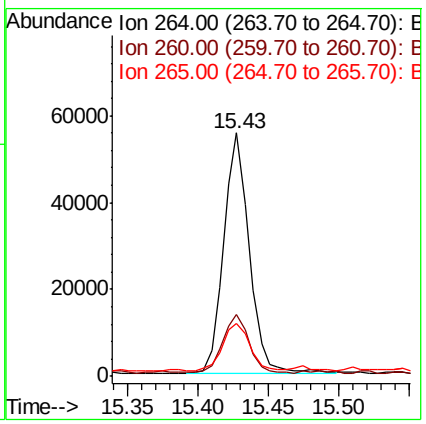




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

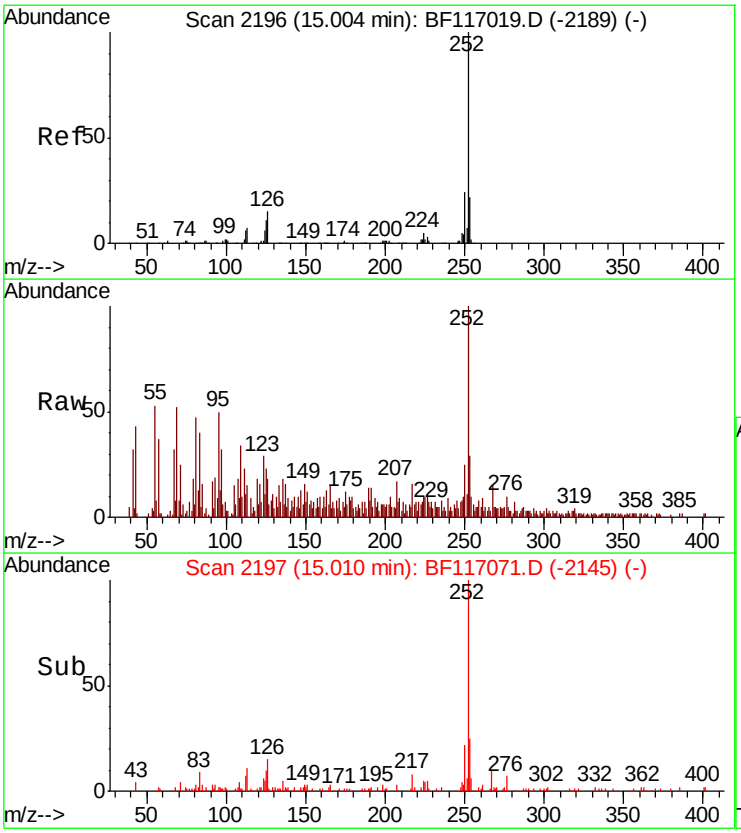
Tgt Ion:264 Resp: 69908

Ion	Ratio	Lower	Upper
264	100		
260	25.5	17.6	26.4
265	21.9	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

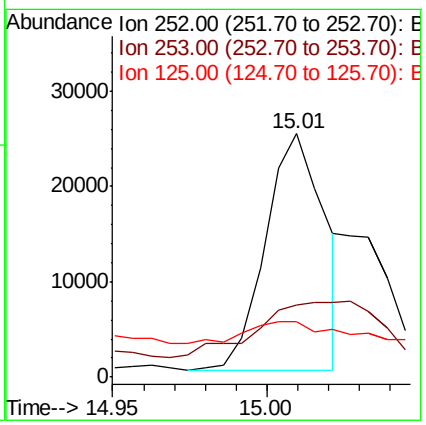
Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

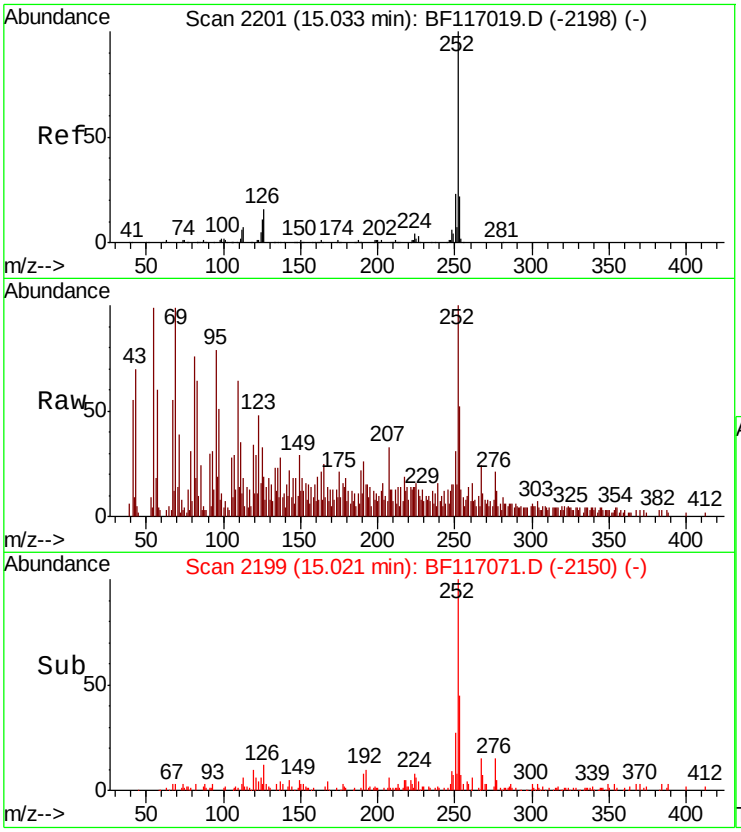


#88
Benzo(b)fluoranthene
Concen: 7.860 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:252 Resp: 33282

Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.6	26.4#
125	22.8	8.6	12.8#





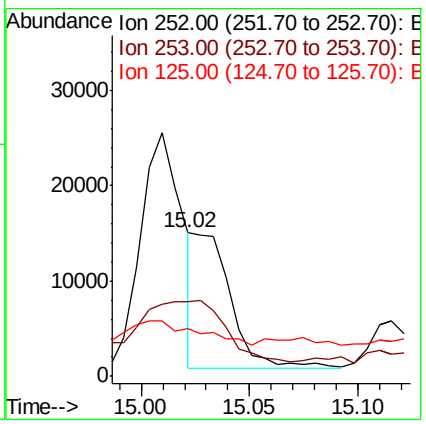
#89
Benzo(k)fluoranthene
Concen: 4.039 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

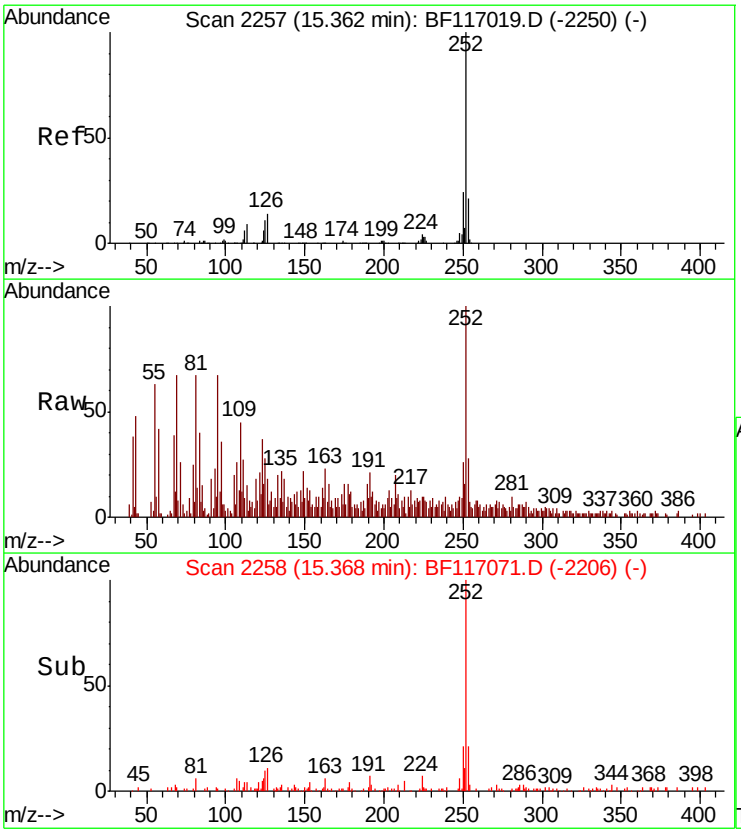
Tgt Ion:252 Resp: 16202

Ion	Ratio	Lower	Upper
252	100		
253	52.4	17.4	26.2#
125	33.2	8.8	13.2#

Instrument :
BNA_F
ClientSampleId :
CSA-4-5

Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM

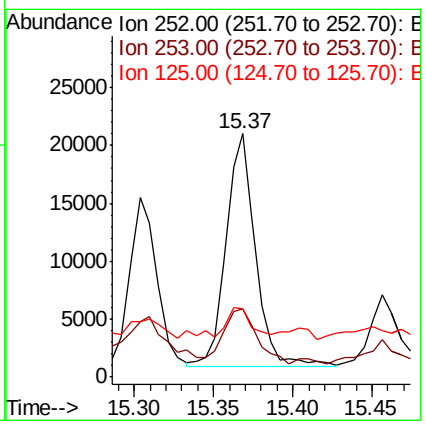


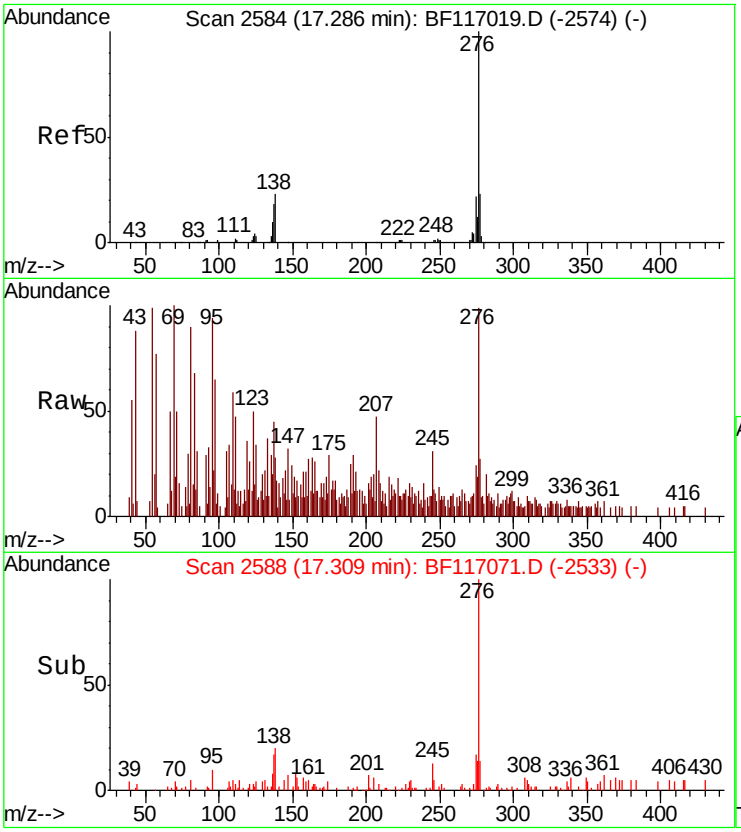


#90
Benzo(a)pyrene
Concen: 6.946 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:252 Resp: 25811

Ion	Ratio	Lower	Upper
252	100		
253	27.8	16.6	25.0#
125	27.9	8.9	13.3#

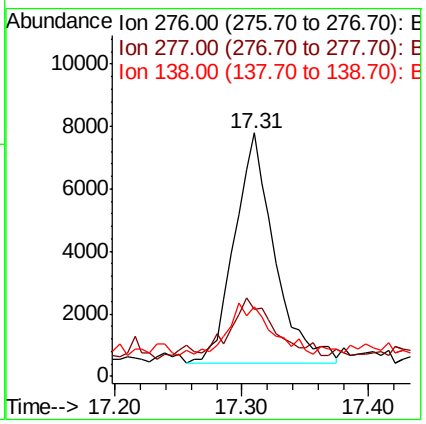




#92
Benzo(g,h,i)perylene
Concen: 5.434 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BF117071.D
Acq: 16 Sep 2019 18:52

Tgt Ion:276 Resp: 16030

Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	28.4	18.0	27.0#



Instrument :
BNA_F
ClientSampleId :
CSA-4-5

Manual Integrations APPROVED
mohammad
9/17/2019 1:25:57 PM