Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A79ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

Quant Time: Dec 19 12:20:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	209397	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1028020m	20.00	ng/ul	0.06
35) Acenaphthene-d10	14.34	164	752766	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	1379396	20.00	ng/ul	0.08
75) Chrysene-d12	21.29	240	1144244m	20.00	ng/ul	0.04
83) Perylene-d12	23.51	264	904605m	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	23433	5.54	ng/uL	0.00
5) Phenol-d5	6.86	99	669029	36.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	382121	36.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	539232	38.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	587490	37.96	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	315679	38.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	332216	38.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	610232	33.94	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	1432928	86.71	ng/ul	0.02
43) Dimethylphthalate-d6	13.76	166	1863557	27.82	ng/ul	0.03
46) Acenaphthylene-d8	14.02	160	2396672	28.99	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	322935	27.75	ng/ul	0.04
57) Fluorene-d10	15.33	176	1707622	29.64	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.50	200	7103	0.82	ng/ul	0.05
70) Anthracene-d10	17.26	188	2681230m	38.81	ng/ul	0.09
76) Pyrene-d10	19.52	212	2753498	48.30	ng/ul	0.06
87) Benzo(a)pyrene-d12	23.37	264	1792091	38.89	ng/ul	0.03
Target Compounds						Qvalue
6) Phenol	6.88	94	24575	1.372	ng/ul#	90
24) 2,4-Dimethylphenol	9.65	107	119475	6.056	ng/ul	88
28) Naphthalene	10.51	128	66926664m	1265.383	ng/ul	
34) 2-Methylnaphthalene	12.14	142	35369232m	889.589	ng/ul	
40) 1,1'-Biphenyl	13.16	154	16279358	255.885	ng/ul#	97
44) Dimethylphthalate	13.80	163	173597	2.710	ng/ul	96
47) Acenaphthylene	14.06	152	7978664	104.299	ng/ul#	95
49) Acenaphthene	14.40	153	36353029m	697.602	ng/ul	
53) Dibenzofuran	14.74	168	32359240m	420.629	ng/ul	
58) Fluorene	15.40	166	38844625m	610.358	ng/ul	
69) Phenanthrene	17.13	178	69346352m	884.902	ng/ul	
71) Anthracene	17.27	178	23655078m	295.308	ng/ul	
72) Carbazole	17.52	167	18754307	272.197	ng/ul#	88
74) Fluoranthene	19.15	202	45572568m	474.539	ng/ul	
77) Pyrene	19.52	202	39933484m	574.450	ng/ul	
80) Benzo(a)anthracene	21.27	228	20934066m	288.350	ng/ul	
82) Chrysene	21.33	228	18112413	268.914	ng/ul#	82
85) Benzo(b)fluoranthene	22.86	252	15905510	260.828	ng/ul#	97
86) Benzo(k)fluoranthene	22.89	252	5232524m	91.180	ng/ul	
88) Benzo(a)pyrene	23.43	252	10867503	198.388	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.76	276	4915358m	90.434	ng/ul	
90) Dibenzo(a,h)anthracene	25.76	278	1464581m	31.645	ng/ul	
91) Benzo(g,h,i)perylene	26.44	276	3690855	86.088	ng/ul#	95

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A79ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

Quant Time: Dec 19 12:20:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

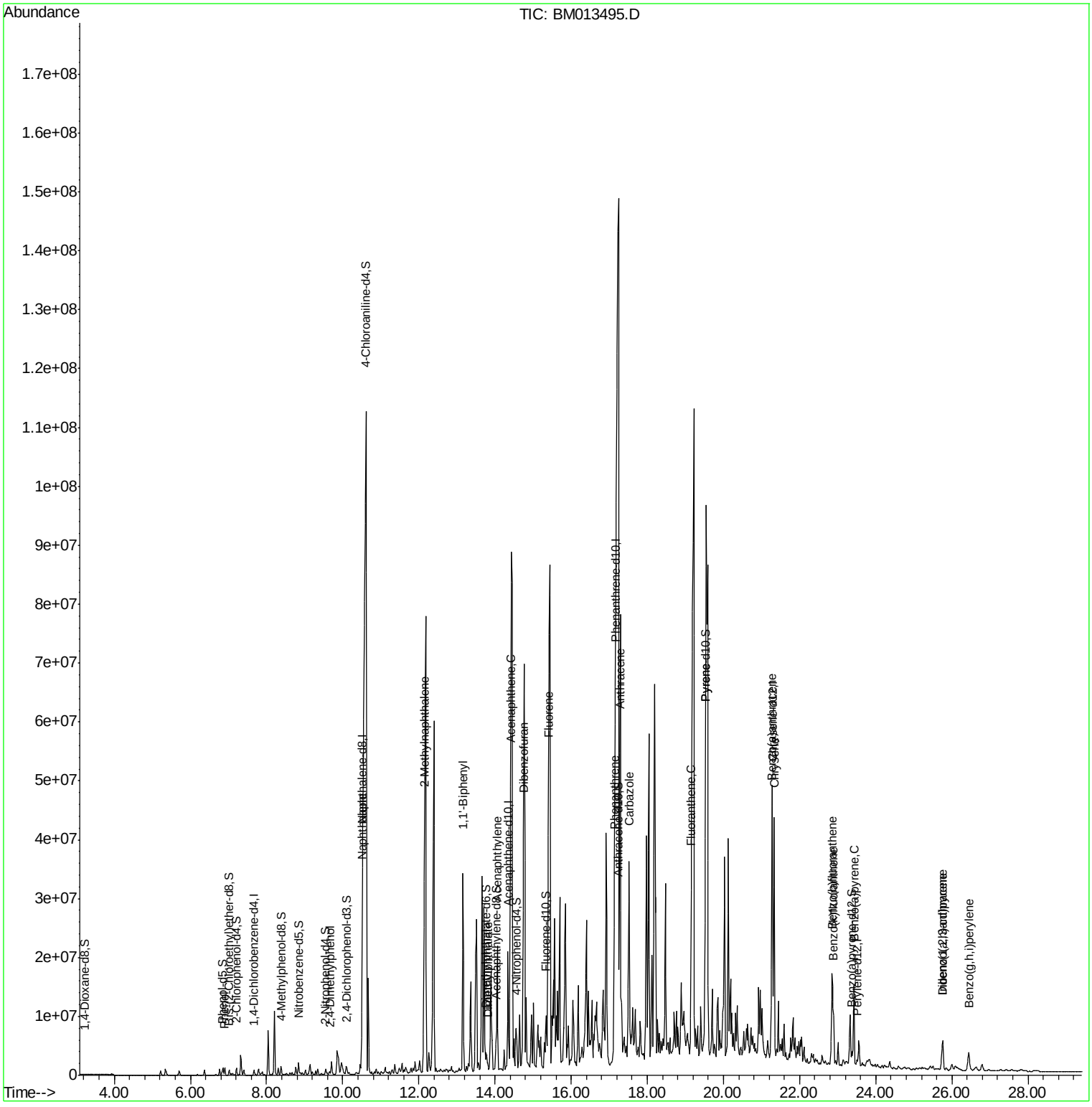
Quantitation Report (LSC Reviewed)

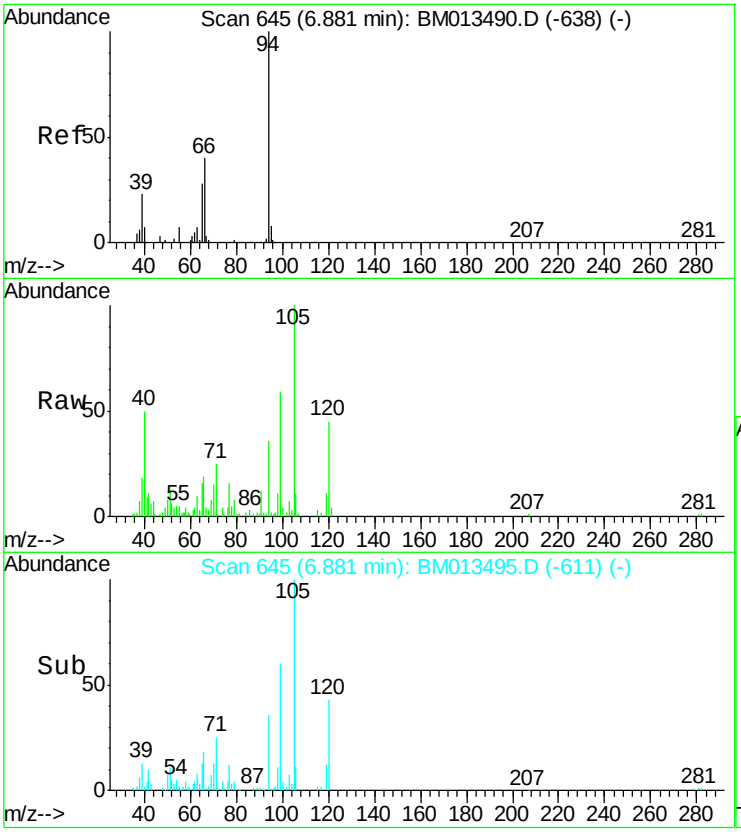
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013495.D
Acq On : 18 Dec 2017 13:01
Operator : SJ/JU
Sample : I6778-14ME
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 12:20:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A79ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

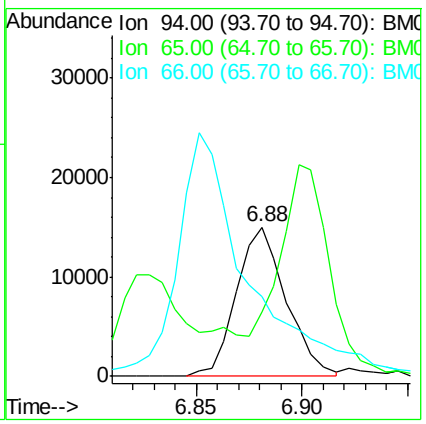




#6
Phenol
Concen: 1.372 ng/ul
RT: 6.88 min Scan# 645
Delta R.T. -0.00 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

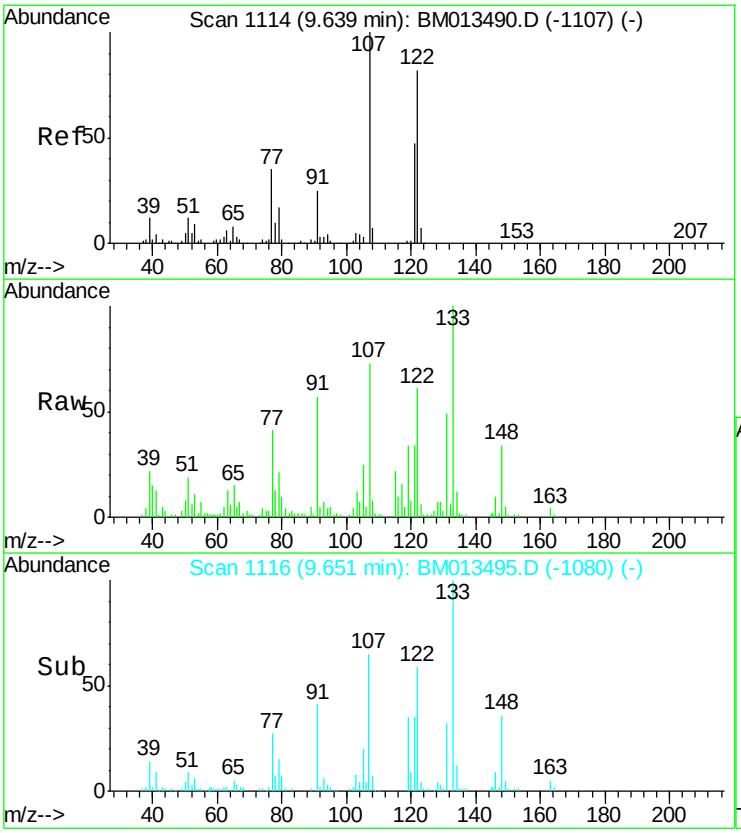
Tgt Ion: 94 Resp: 24575

Ion	Ratio	Lower	Upper
94	100		
65	43.1	28.2	42.4#
66	53.2	47.2	70.8



Instrument :
BNA_M
ClientSampleId :
F9A79ME

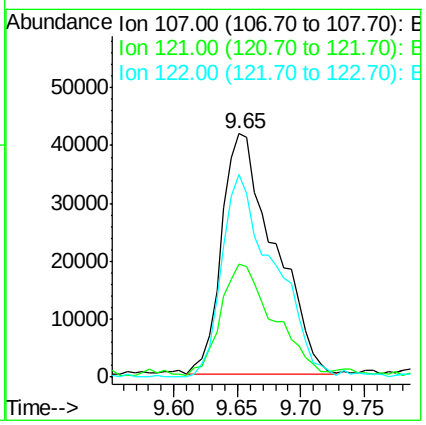
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

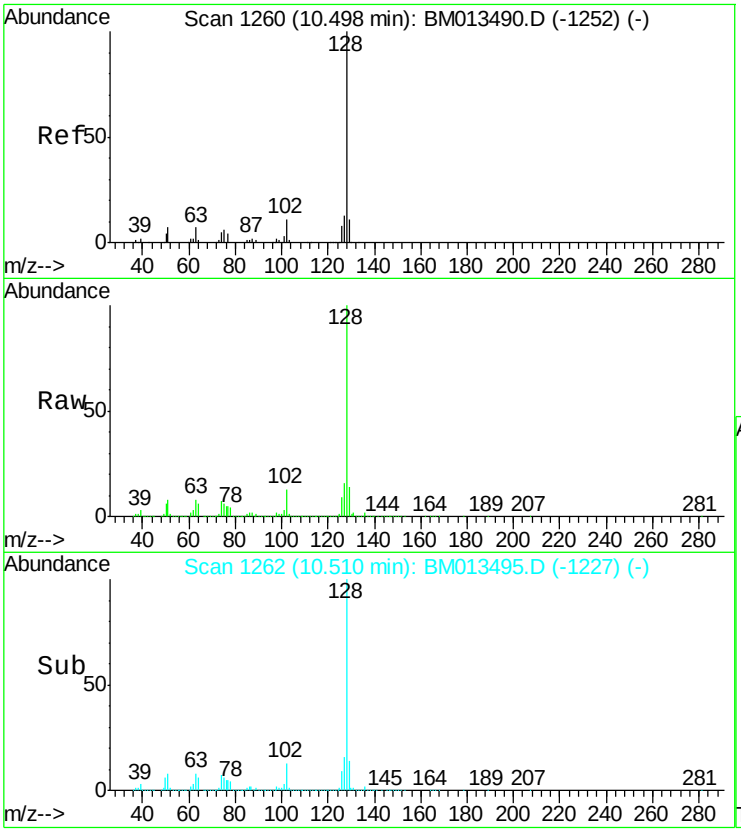


#24
2,4-Dimethylphenol
Concen: 6.056 ng/ul
RT: 9.65 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:107 Resp: 119475

Ion	Ratio	Lower	Upper
107	100		
121	46.2	31.9	47.9
122	83.0	57.8	86.6

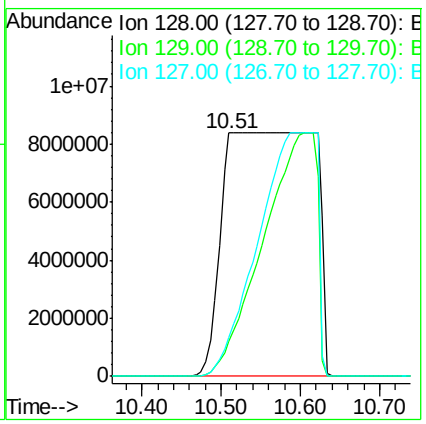




#28
Naphthalene
Concen: 1265.383 ng/ul m
RT: 10.51 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

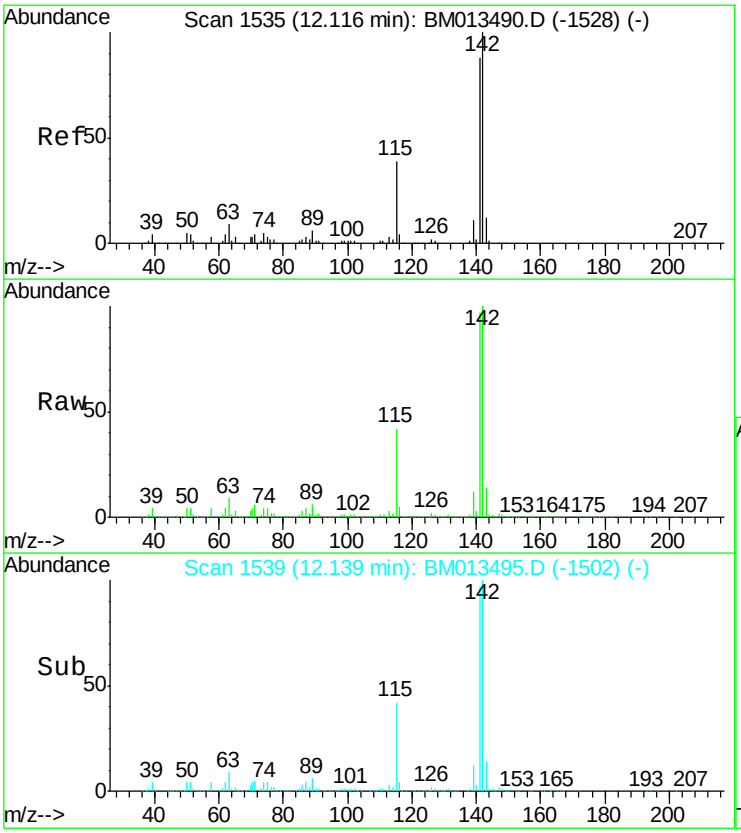
Tgt Ion:128 Resp:66926664

Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.8	13.2#
127	15.8	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
F9A79ME

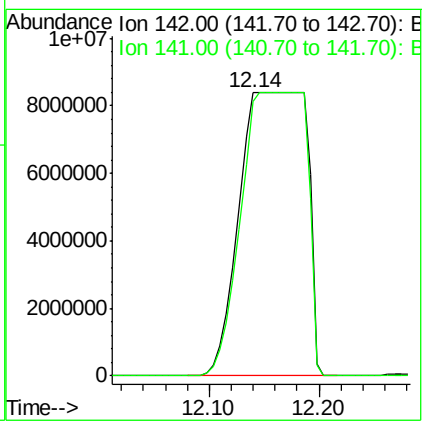
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

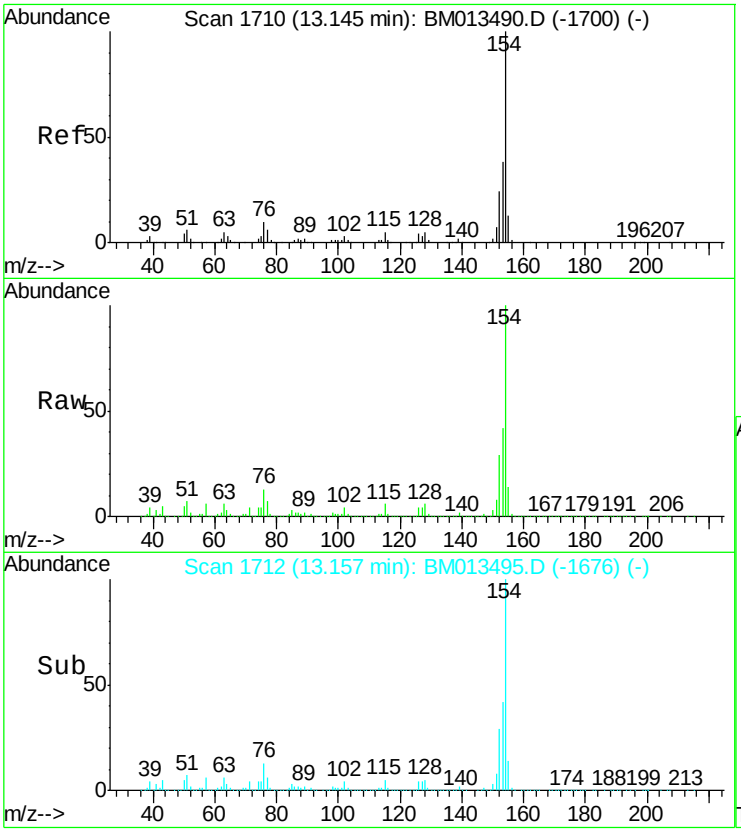


#34
2-Methylnaphthalene
Concen: 889.589 ng/ul m
RT: 12.14 min Scan# 1539
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:142 Resp:35369232

Ion	Ratio	Lower	Upper
142	100		
141	97.1	74.1	111.1

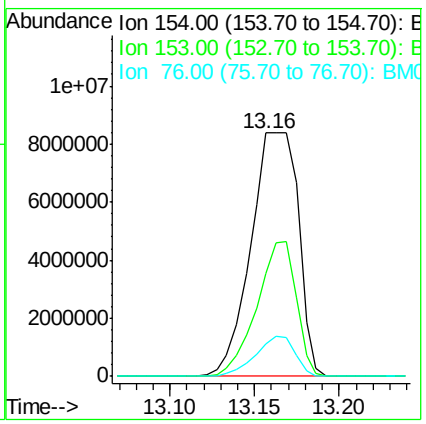




#40
1,1'-Biphenyl
Concen: 255.885 ng/ul
RT: 13.16 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

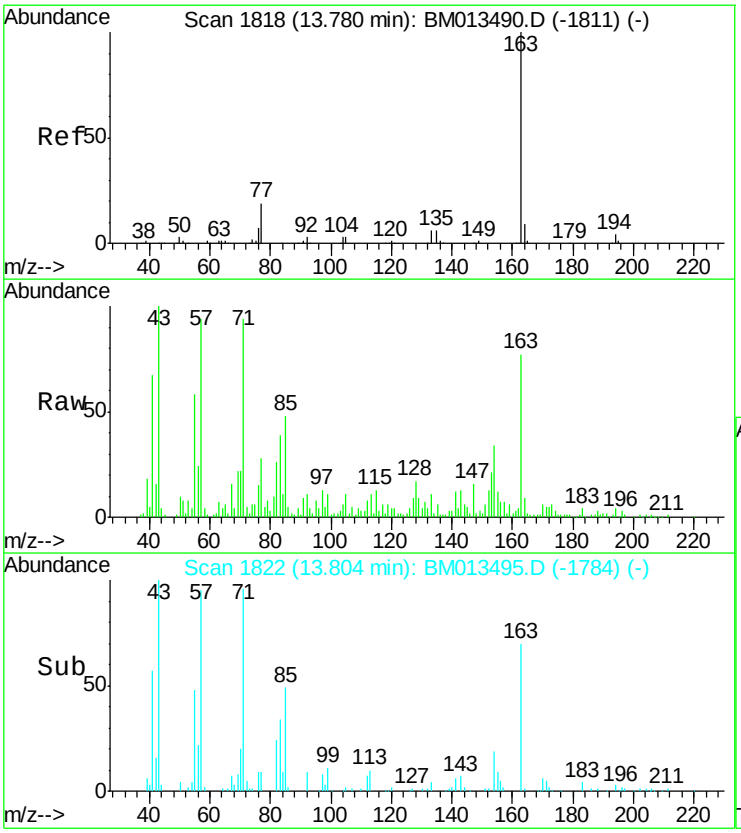
Tgt Ion:154 Resp:16279358

Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.6	48.8
76	13.3	8.5	12.7#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

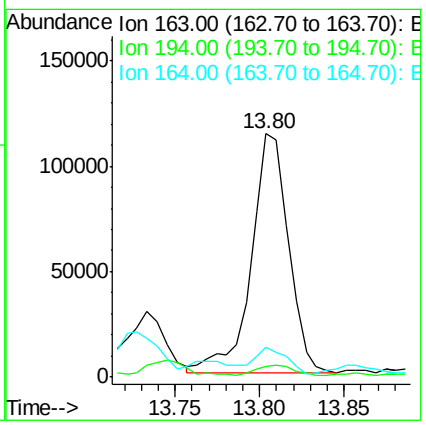
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

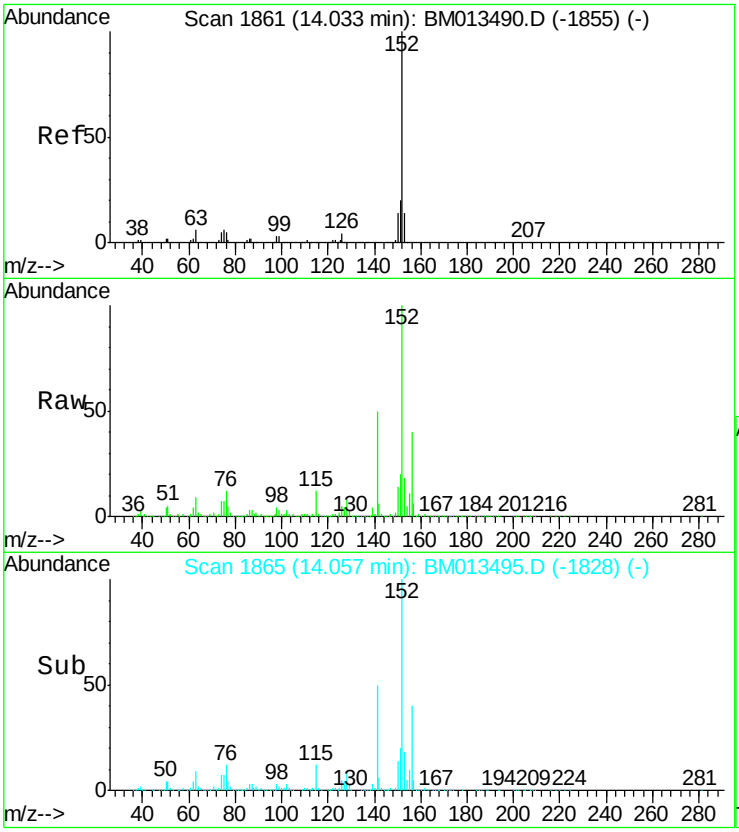


#44
Dimethylphthalate
Concen: 2.710 ng/ul
RT: 13.80 min Scan# 1822
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:163 Resp: 173597

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	12.2	8.2	12.4

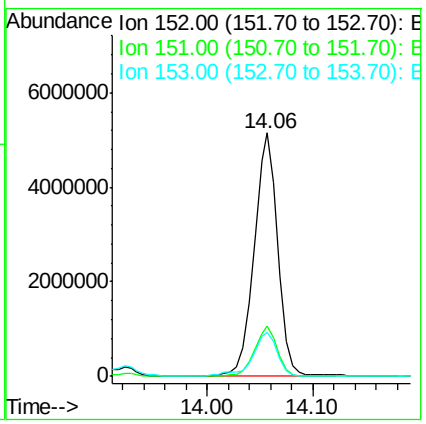




#47
Acenaphthylene
Concen: 104.299 ng/ul
RT: 14.06 min Scan# 1865
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

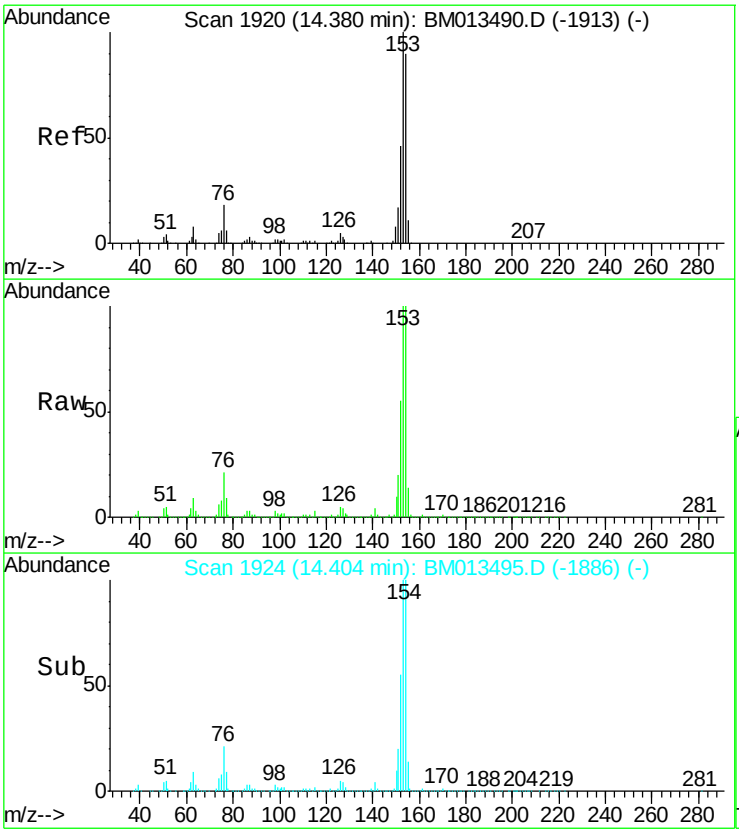
Tgt Ion:152 Resp: 7978664

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	18.2	10.2	15.4#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

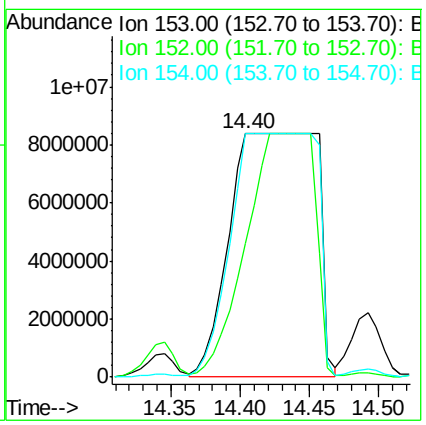
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

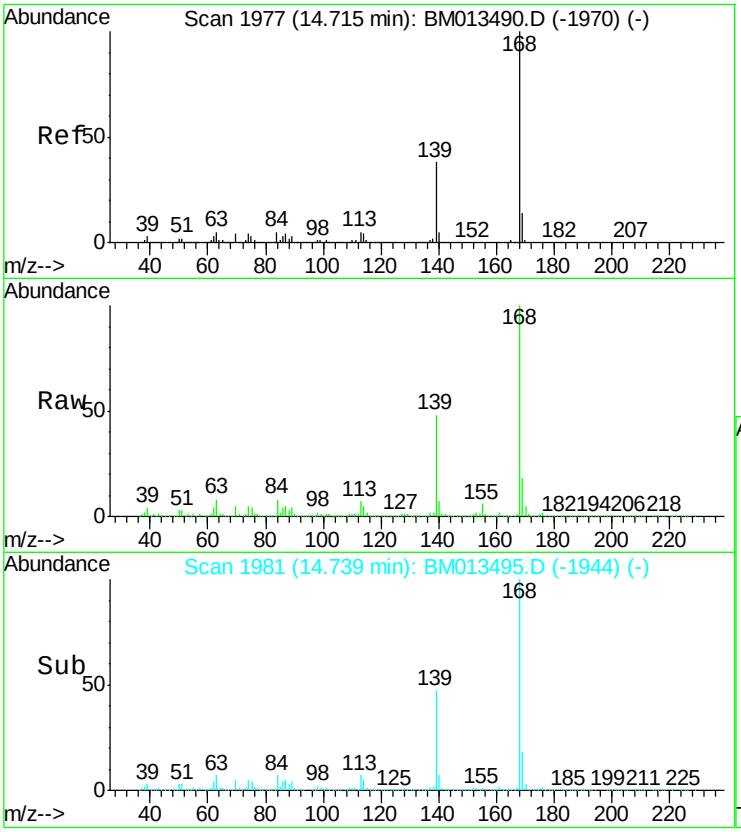


#49
Acenaphthene
Concen: 697.602 ng/ul m
RT: 14.40 min Scan# 1924
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:153 Resp:36353029

Ion	Ratio	Lower	Upper
153	100		
152	55.0	37.6	56.4
154	100.0	70.4	105.6

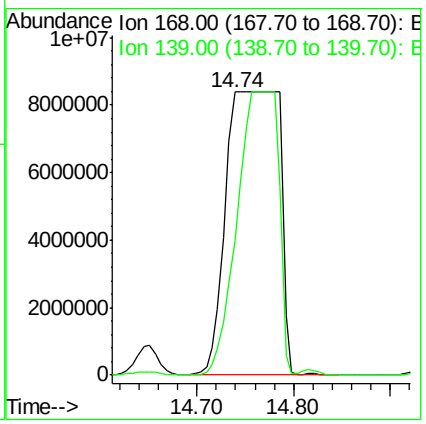




#53
Dibenzofuran
Concen: 420.629 ng/ul m
RT: 14.74 min Scan# 1981
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

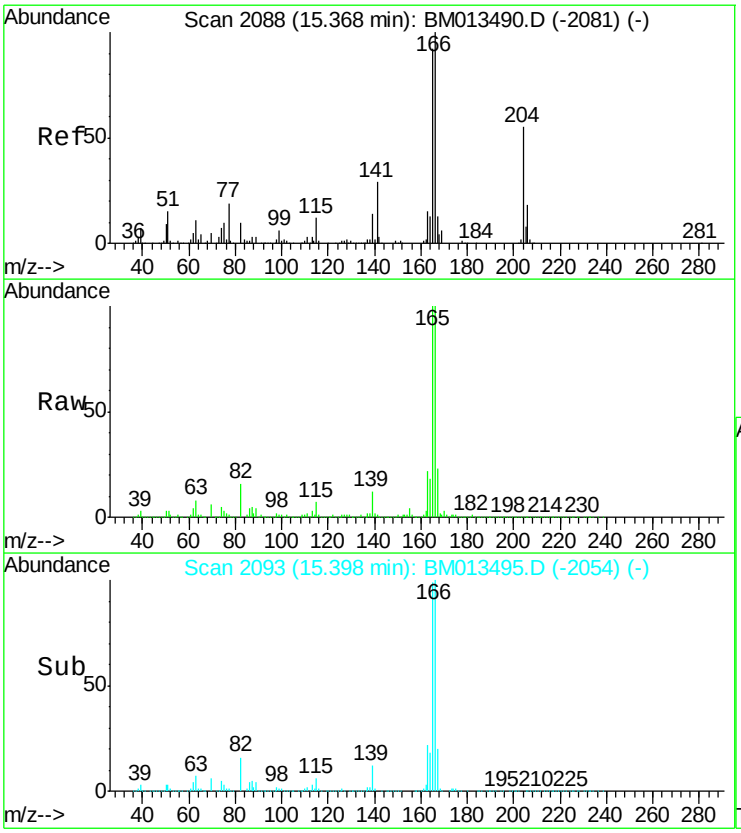
Tgt Ion:168 Resp:32359240

Ion	Ratio	Lower	Upper
168	100		
139	47.7	30.8	46.2#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

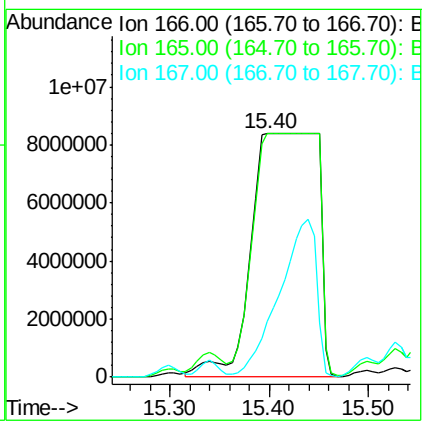
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

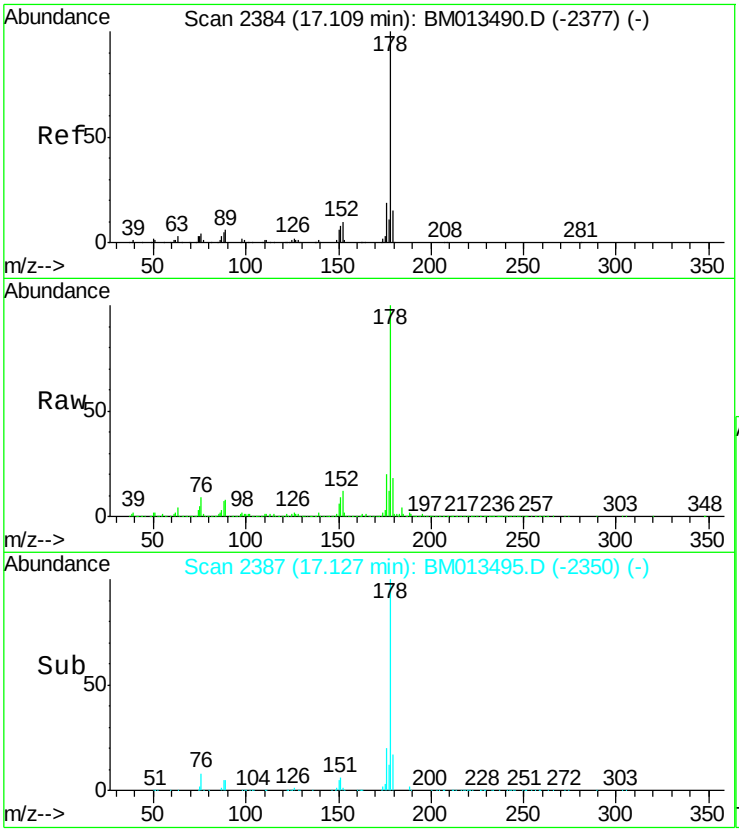


#58
Fluorene
Concen: 610.358 ng/ul m
RT: 15.40 min Scan# 2093
Delta R.T. 0.03 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:166 Resp:38844625

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	22.6	10.6	16.0#

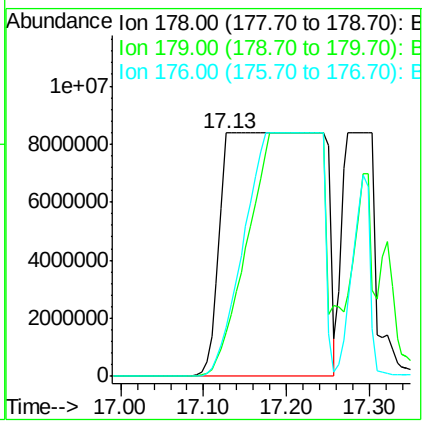




#69
Phenanthrene
Concen: 884.902 ng/ul m
RT: 17.13 min Scan# 2387
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

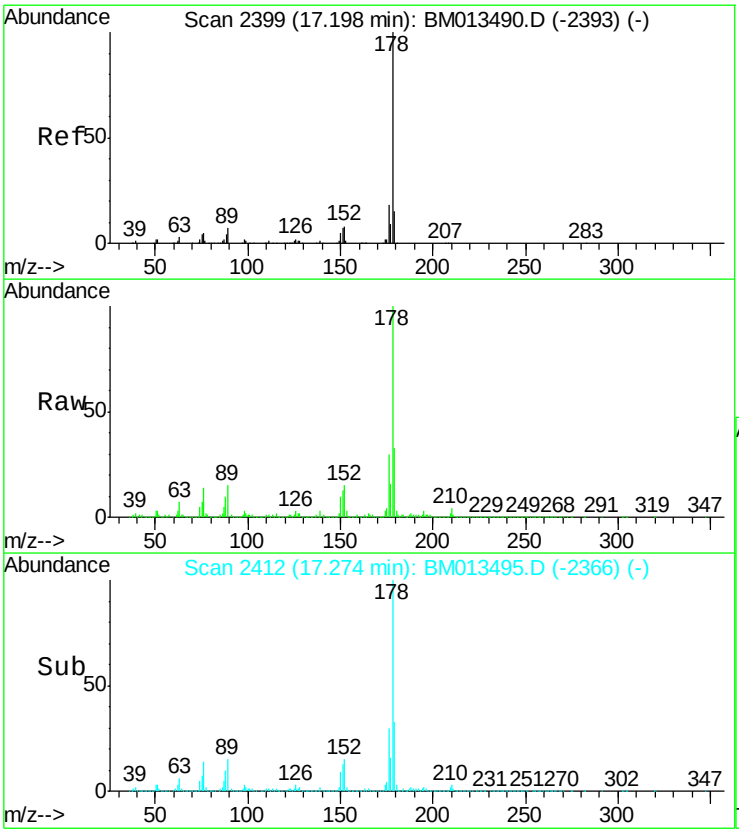
Tgt Ion:178 Resp:69346352

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.6	19.0
176	20.3	14.9	22.3



Instrument :
BNA_M
ClientSampleId :
F9A79ME

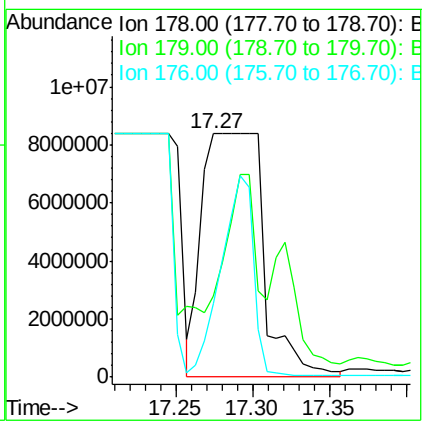
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

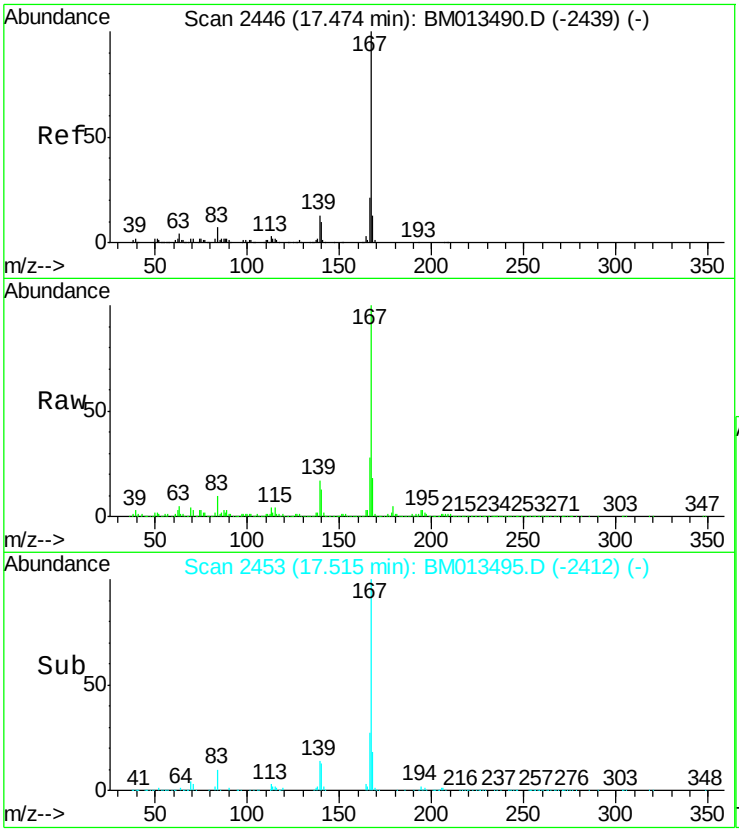


#71
Anthracene
Concen: 295.308 ng/ul m
RT: 17.27 min Scan# 2412
Delta R.T. 0.07 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:178 Resp:23655078

Ion	Ratio	Lower	Upper
178	100		
179	33.1	11.7	17.5#
176	29.9	14.6	21.8#

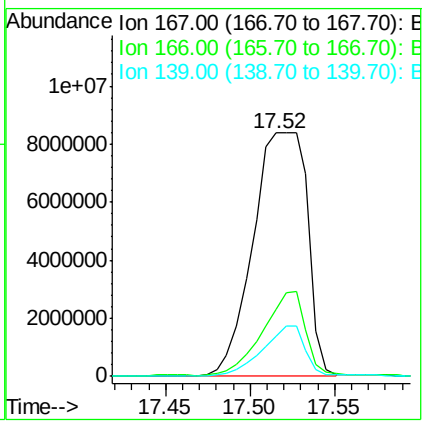




#72
Carbazole
Concen: 272.197 ng/ul
RT: 17.52 min Scan# 2453
Delta R.T. 0.04 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

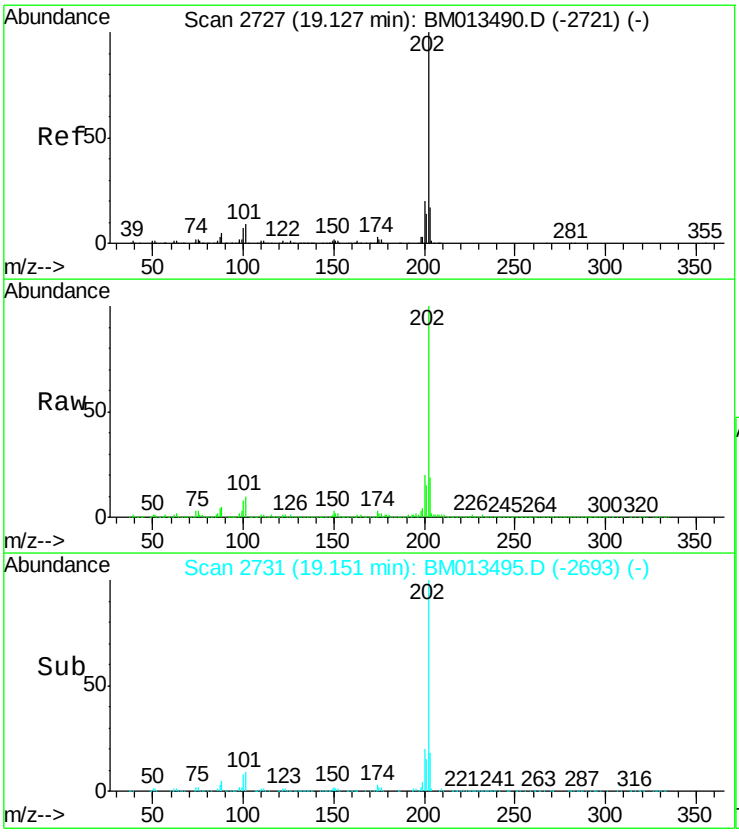
Tgt Ion:167 Resp:18754307

Ion	Ratio	Lower	Upper
167	100		
166	27.7	17.1	25.7#
139	16.6	10.0	15.0#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

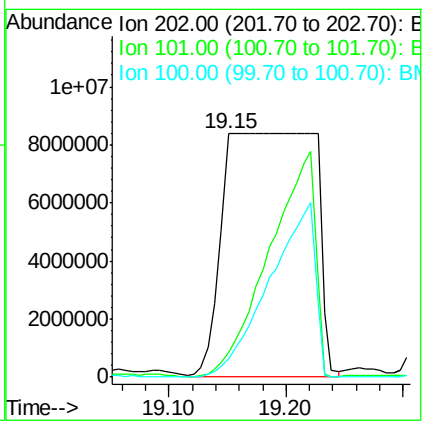
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

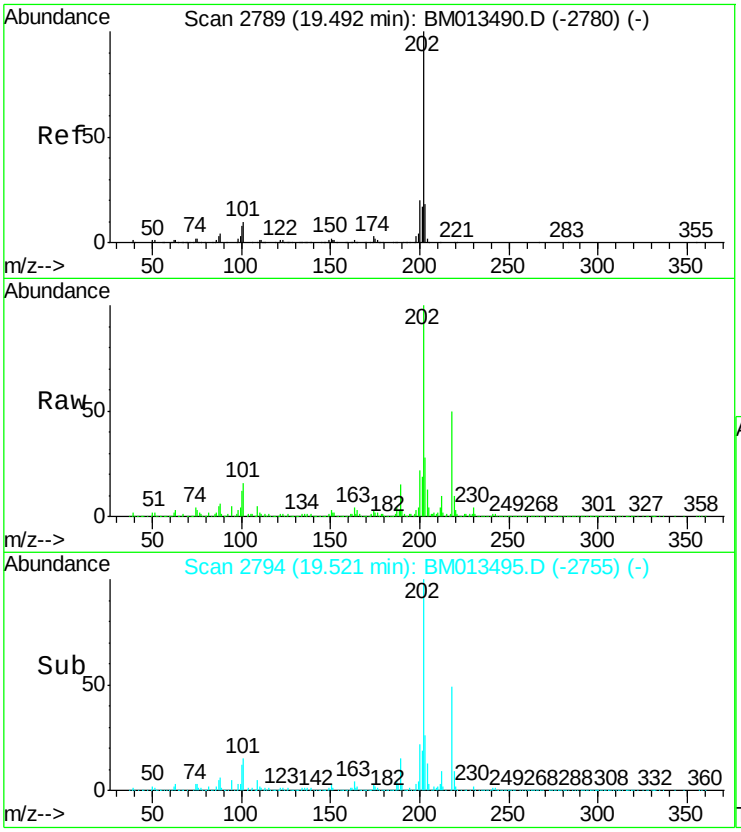


#74
Fluoranthene
Concen: 474.539 ng/ul m
RT: 19.15 min Scan# 2731
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:202 Resp:45572568

Ion	Ratio	Lower	Upper
202	100		
101	10.2	4.6	7.0#
100	7.8	3.4	5.2#





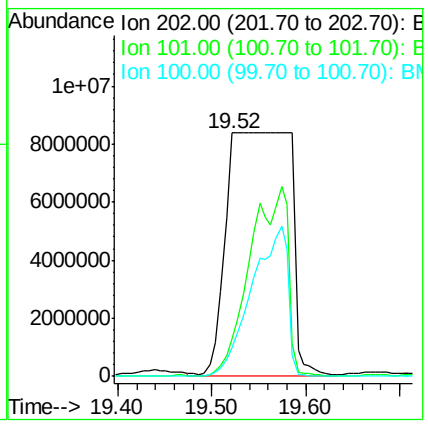
#77
Pyrene
Concen: 574.450 ng/ul m
RT: 19.52 min Scan# 2794
Delta R.T. 0.03 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

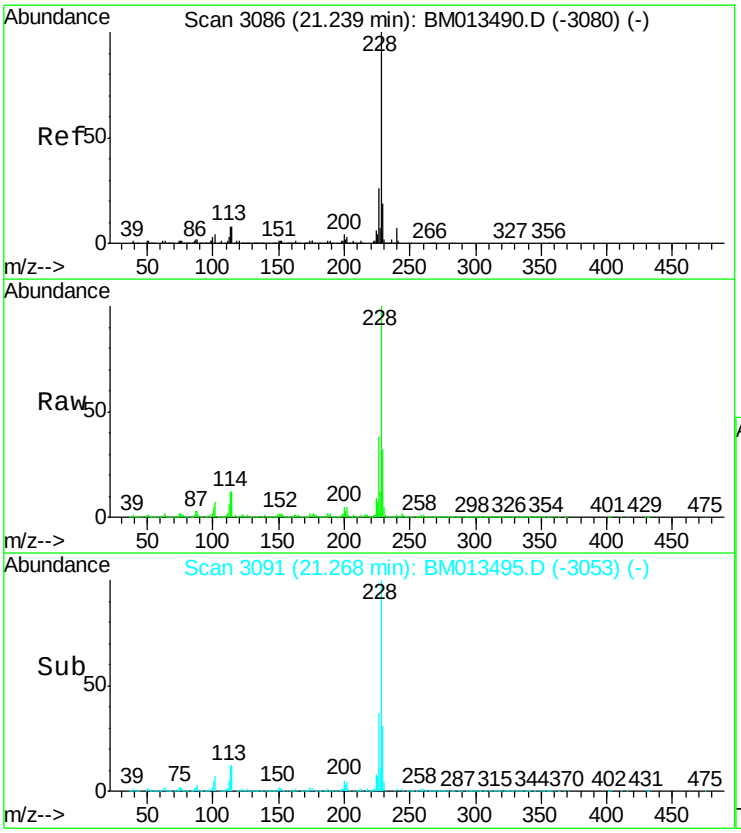
Tgt Ion:202 Resp:39933484

Ion	Ratio	Lower	Upper
202	100		
101	15.6	5.1	7.7#
100	11.8	4.9	7.3#

Instrument :
BNA_M
ClientSampleId :
F9A79ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

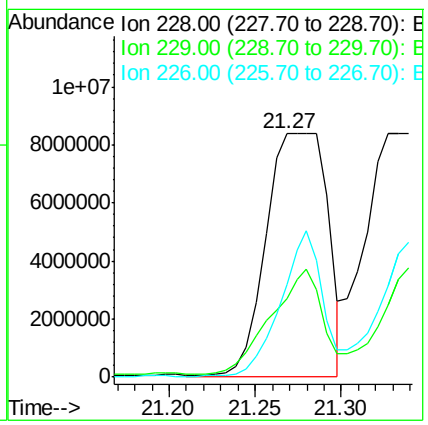


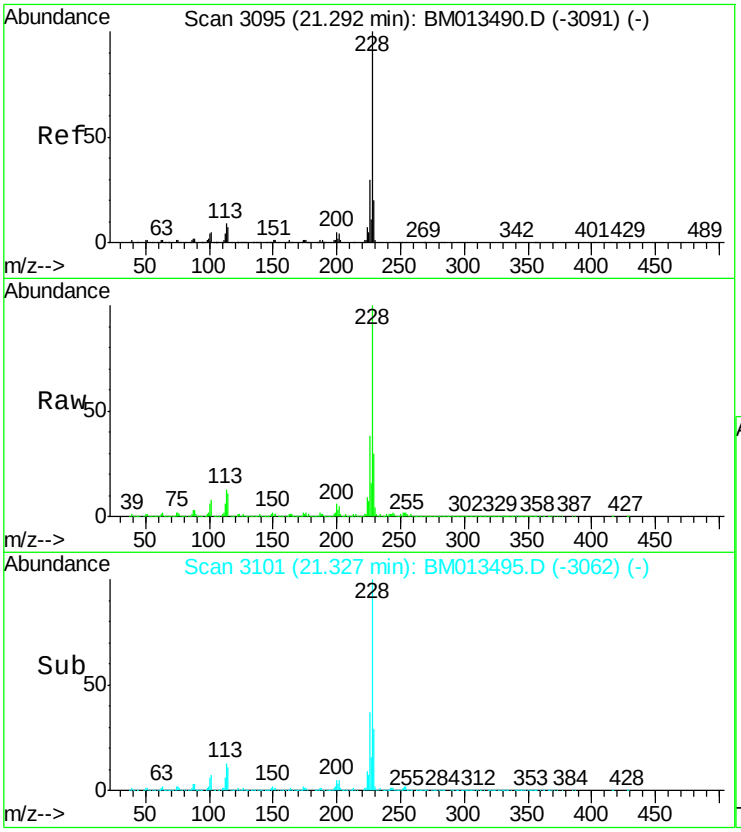


#80
Benzo(a)anthracene
Concen: 288.350 ng/ul m
RT: 21.27 min Scan# 3091
Delta R.T. 0.02 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:228 Resp:20934066

Ion	Ratio	Lower	Upper
228	100		
229	32.2	15.4	23.0#
226	37.8	21.4	32.0#

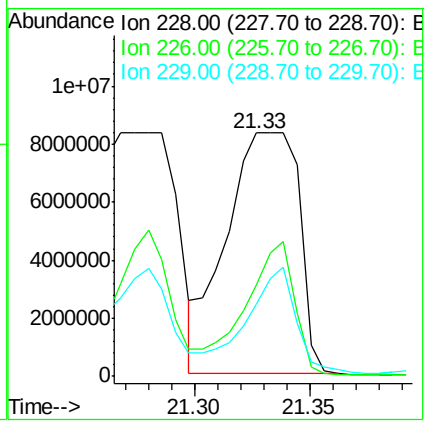




#82
Chrysene
Concen: 268.914 ng/ul
RT: 21.33 min Scan# 3101
Delta R.T. 0.03 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

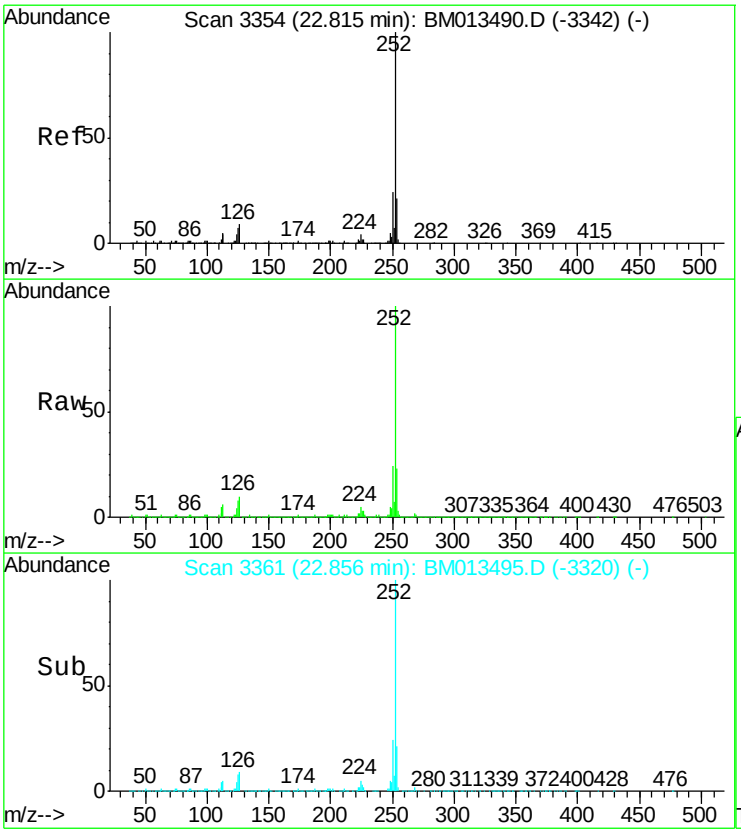
Tgt Ion:228 Resp:18112413

Ion	Ratio	Lower	Upper
228	100		
226	37.6	23.4	35.2#
229	29.6	15.5	23.3#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

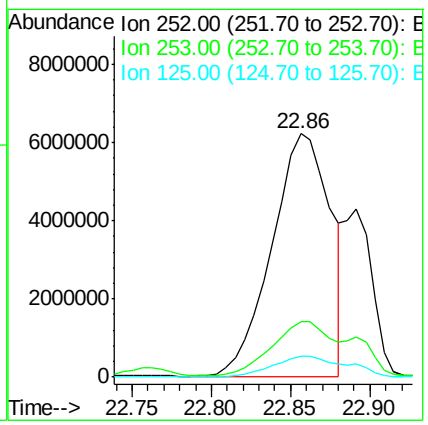
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

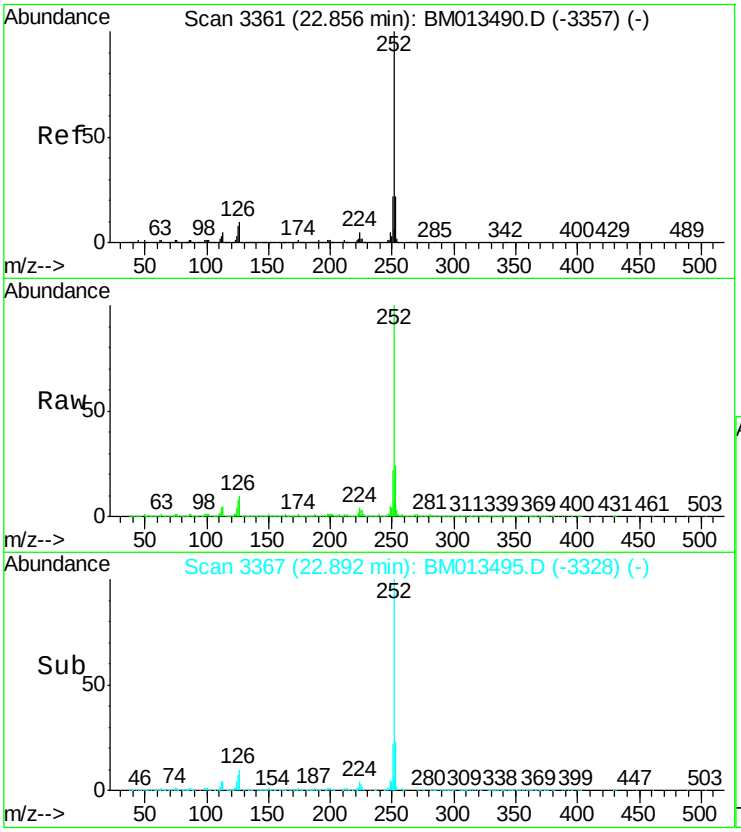


#85
Benzo(b)fluoranthene
Concen: 260.828 ng/ul
RT: 22.86 min Scan# 3361
Delta R.T. 0.04 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:252 Resp:15905510

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	8.3	3.6	5.4#

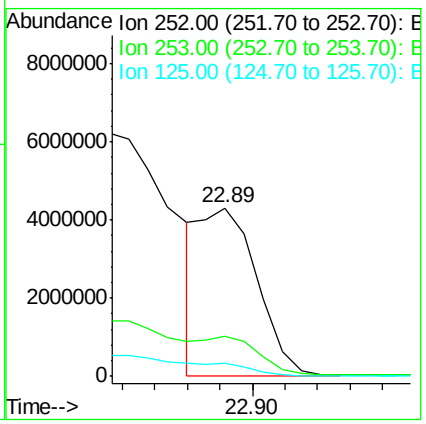




#86
Benzo(k)fluoranthene
Concen: 91.180 ng/ul m
RT: 22.89 min Scan# 3367
Delta R.T. 0.03 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

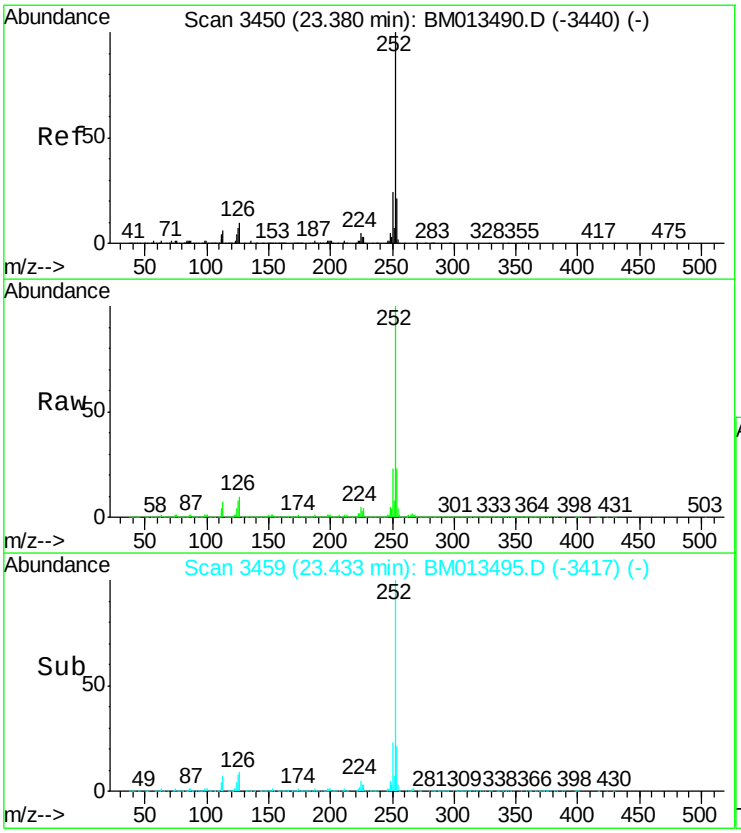
Tgt Ion:252 Resp: 5232524

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	7.6	3.4	5.2#



Instrument :
BNA_M
ClientSampleId :
F9A79ME

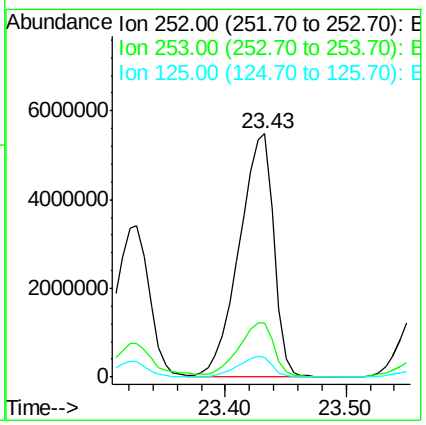
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

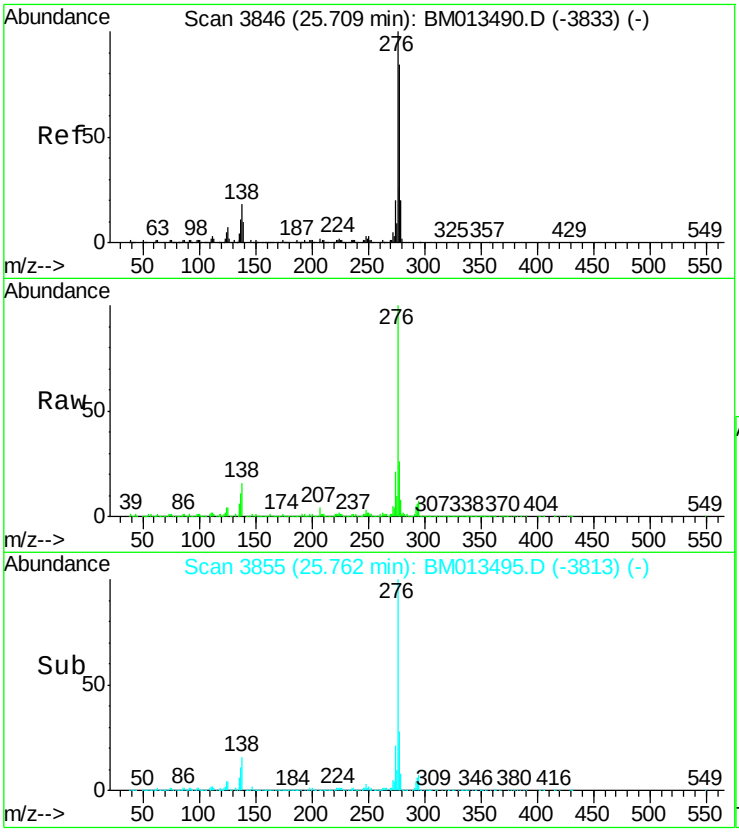


#88
Benzo(a)pyrene
Concen: 198.388 ng/ul
RT: 23.43 min Scan# 3459
Delta R.T. 0.05 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:252 Resp:10867503

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	7.9	4.0	6.0#

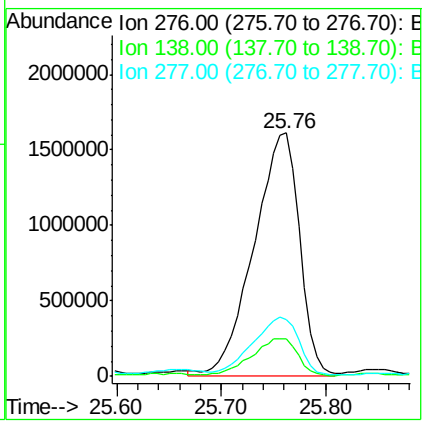




#89
Indeno(1,2,3-cd)pyrene
Concen: 90.434 ng/ul m
RT: 25.76 min Scan# 3855
Delta R.T. 0.05 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

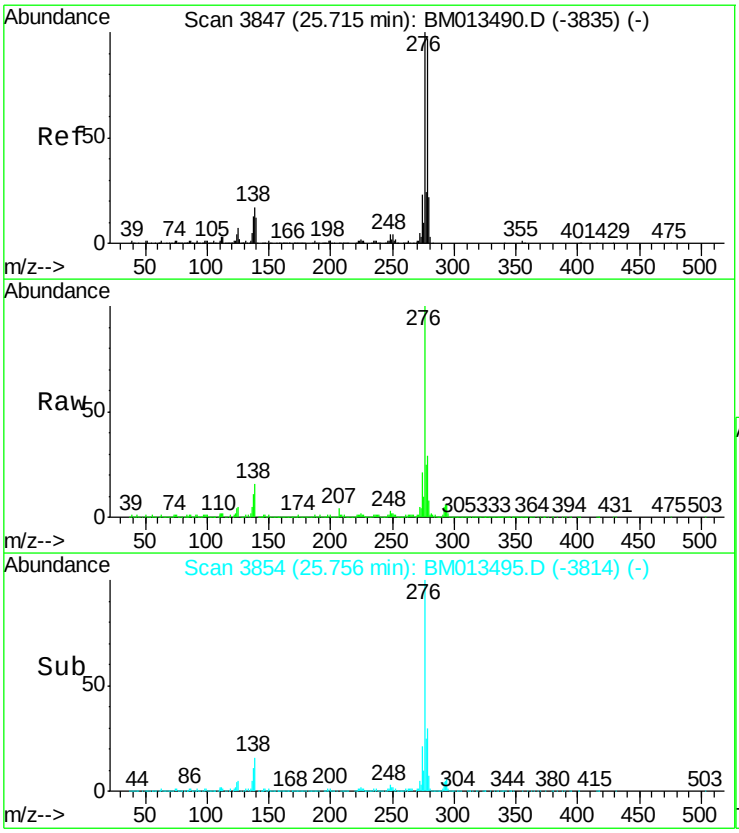
Tgt Ion:276 Resp: 4915358

Ion	Ratio	Lower	Upper
276	100		
138	15.6	9.3	13.9#
277	23.5	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
F9A79ME

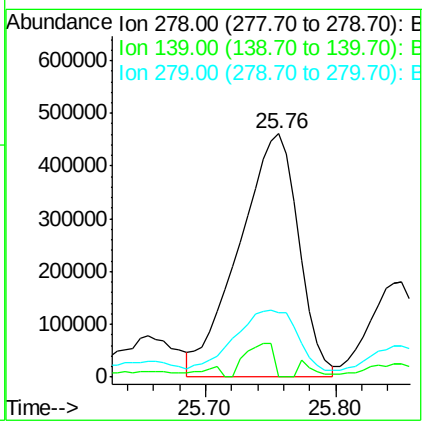
Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM

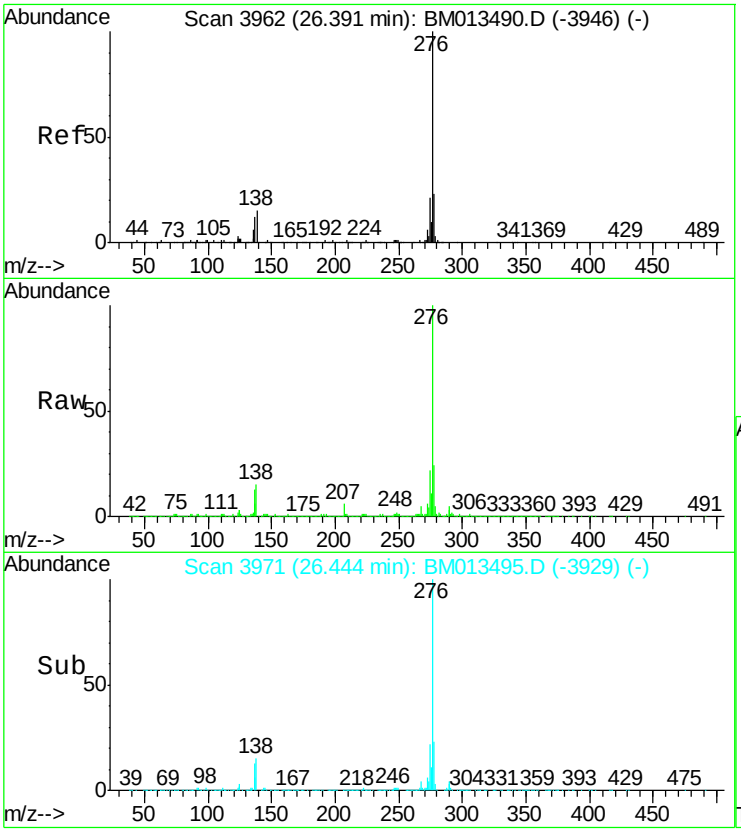


#90
Dibenzo(a,h)anthracene
Concen: 31.645 ng/ul m
RT: 25.76 min Scan# 3854
Delta R.T. 0.04 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:278 Resp: 1464581

Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	26.4	18.6	27.8

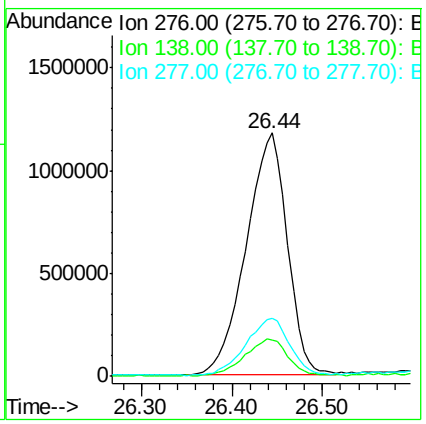




#91
Benzo(g,h,i)perylene
Concen: 86.088 ng/ul
RT: 26.44 min Scan# 3971
Delta R.T. 0.05 min
Lab File: BM013495.D
Acq: 18 Dec 2017 13:01

Tgt Ion:276 Resp: 3690855

Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.5	12.7#
277	24.0	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
F9A79ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:21 PM