Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
Data File : BE098258.D
Acq On : 21 Nov 2018 12:11
Operator : SJ/JU
Sample : J5996-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

Quant Time: Nov 22 00:23:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1537	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	7091	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4727	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	10353	0.40	ng		0.00
27) Chrysene-d12	21.46	240	11402	0.40	ng		0.00
34) Perylene-d12	24.01	264	11305	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	243	0.06	ng		0.00
5) Phenol-d6	7.04	99	368	0.06	ng		0.00
8) Nitrobenzene-d5	9.03	82	346	0.05	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	829	0.07	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	99	0.07	ng		0.00
15) 2-Fluorobiphenyl	13.14	172	874	0.04	ng		0.00
25) Fluoranthene-d10	19.31	212	6478	0.05	ng		0.00
29) Terphenyl-d14	19.91	244	1289	0.05	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.72	128	14181	0.196	ng		98
10) Hexachlorobutadiene	11.00	225	166	0.039	ng		95
12) 2-Methylnaphthalene	12.34	142	2948	0.232	ng		99
16) Acenaphthylene	14.25	152	15029	0.668	ng		97
17) Acenaphthene	14.60	154	2644	0.197	ng		98
18) Fluorene	15.57	166	6510	0.380	ng		94
23) Phenanthrene	17.31	178	48653	1.826	ng		99
24) Anthracene	17.41	178	16863	0.697	ng		98
26) Fluoranthene	19.34	202	131869	4.125	ng		99
28) Pyrene	19.70	202	126614	3.799	ng		97
30) Benzo(a)anthracene	21.45	228	92940	2.818	ng		93
31) Chrysene	21.50	228	72984	2.150	ng		98
32) Bis(2-ethylhexyl)phthalate	21.37	149	10036	0.195	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.70	276	56763	1.954	ng	#	93
35) Benzo(b)fluoranthene	23.23	252	108978	3.414	ng	#	94
36) Benzo(k)fluoranthene	23.28	252	44954m	1.247	ng		
37) Benzo(a)pyrene	23.90	252	83631	2.668	ng	#	96
38) Dibenzo(a,h)anthracene	26.71	278	14639	0.583	ng	#	89
39) Benzo(g,h,i)perylene	27.53	276	55940	2.067	ng		98

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

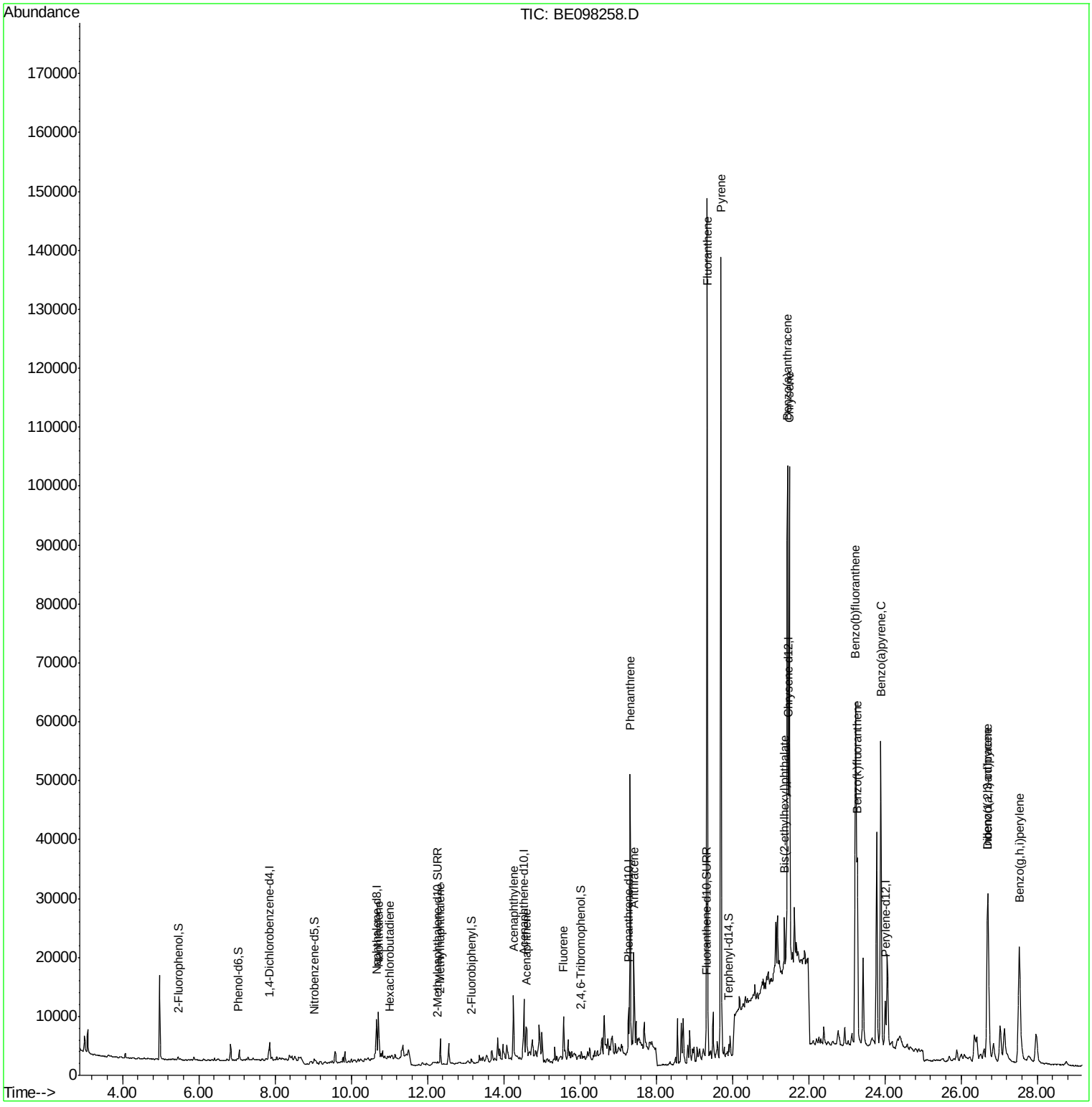
Quantitation Report (QT Reviewed)

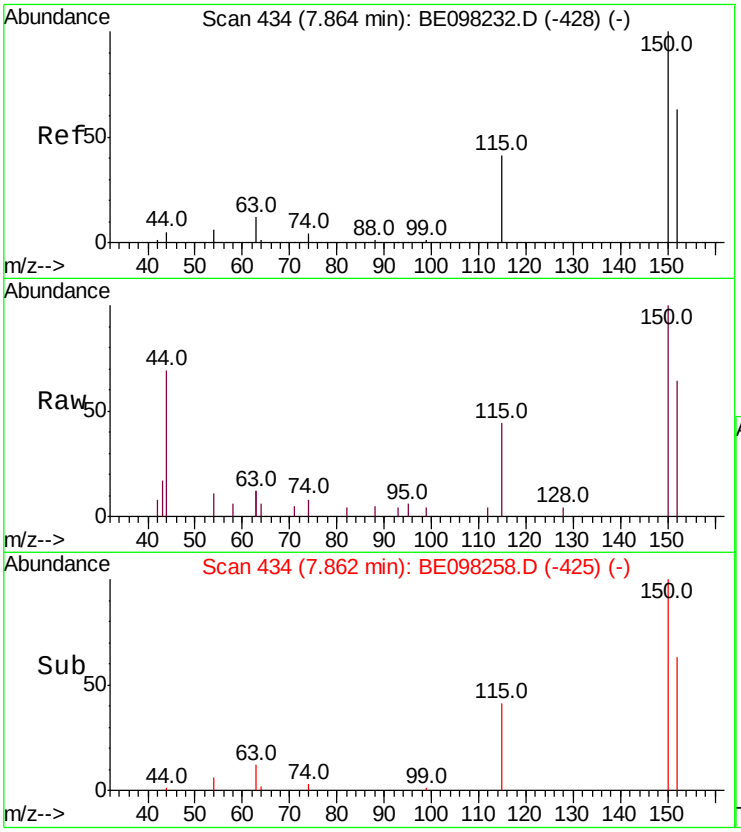
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
Data File : BE098258.D
Acq On : 21 Nov 2018 12:11
Operator : SJ/JU
Sample : J5996-07 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 00:23:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

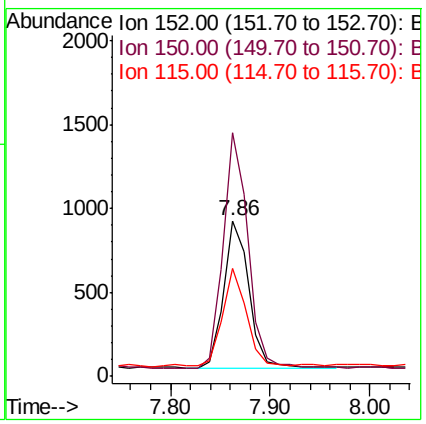




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

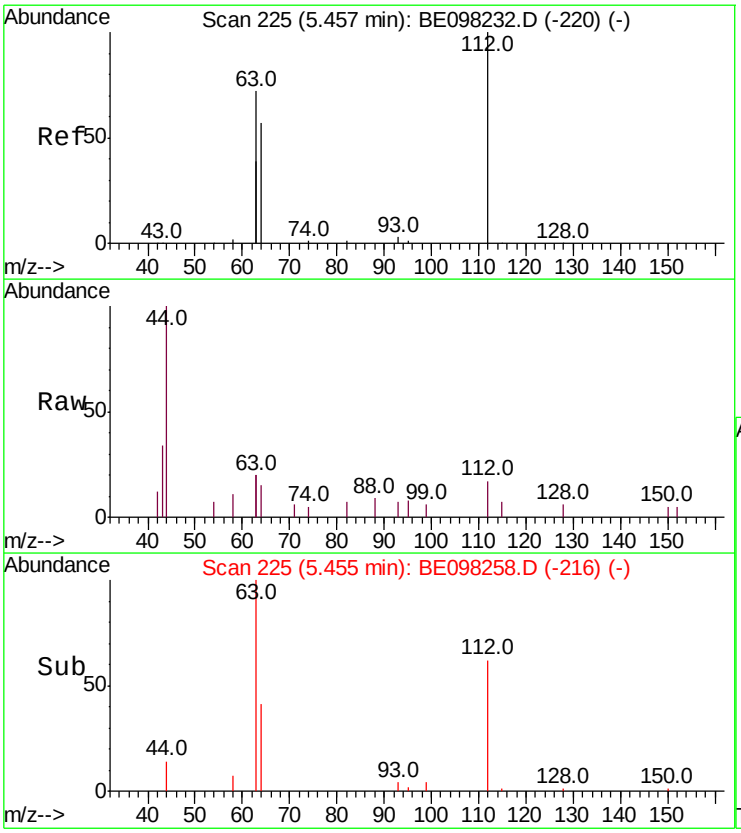
Tgt Ion:152 Resp: 1537

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.5	191.3
115	69.4	60.3	90.5



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

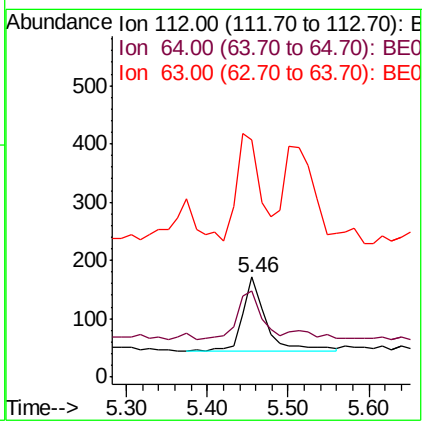
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

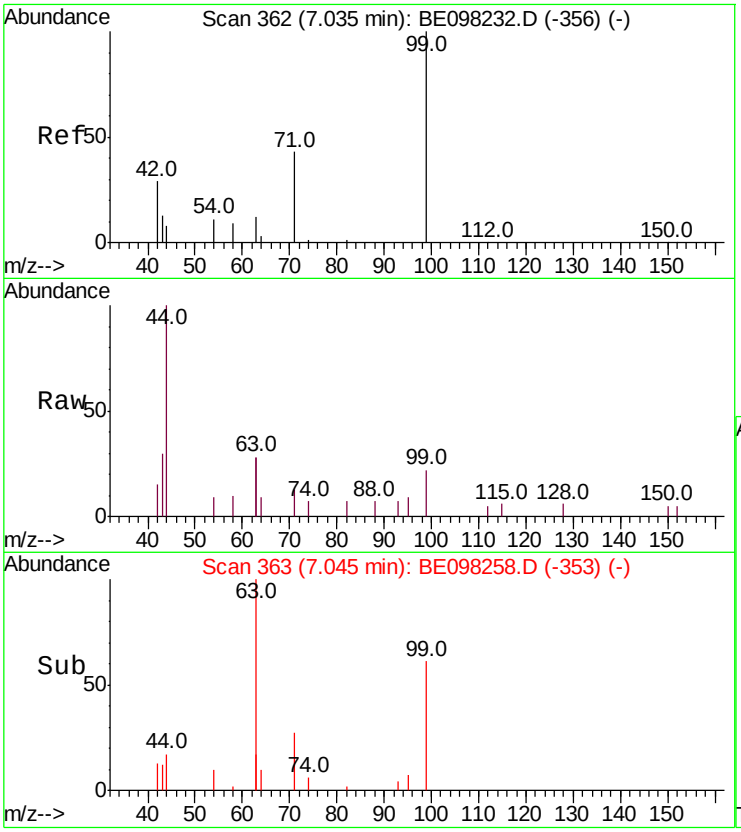


#4
2-Fluorophenol
Concen: 0.059 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:112 Resp: 243

Ion	Ratio	Lower	Upper
112	100		
64	66.3	61.7	92.5
63	136.6	136.2	204.2





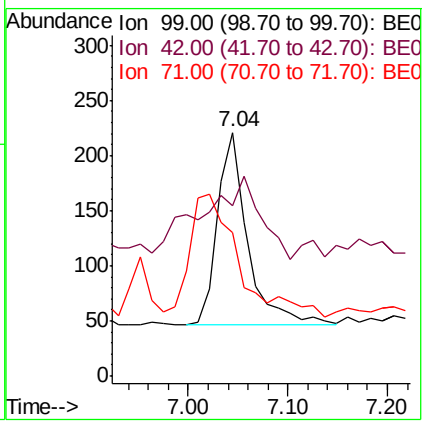
#5
Phenol-d6
Concen: 0.057 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

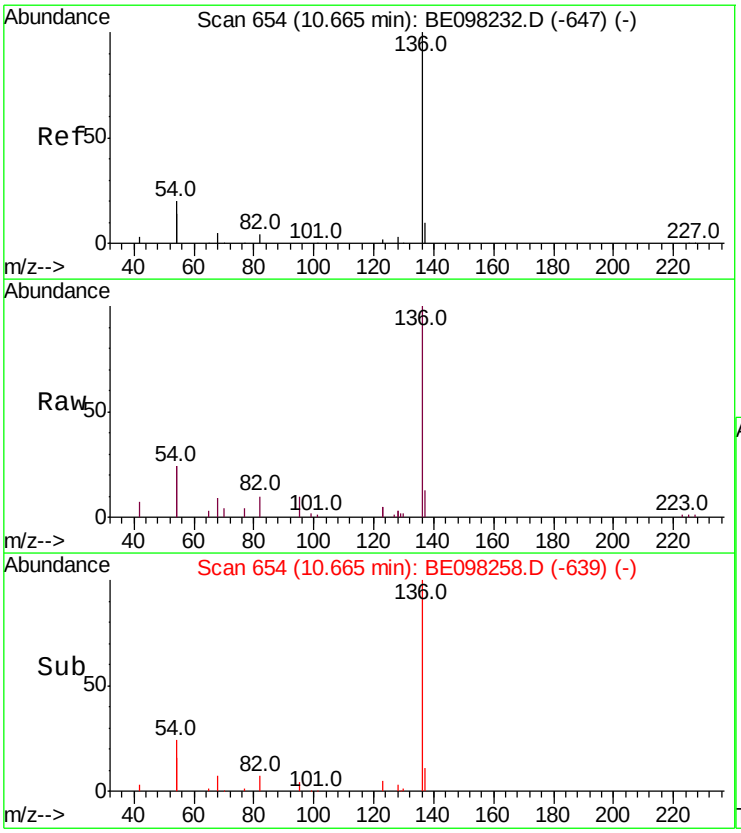
Tgt Ion: 99 Resp: 368

Ion	Ratio	Lower	Upper
99	100		
42	84.2	27.1	40.7#
71	0.0	37.0	55.6#

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

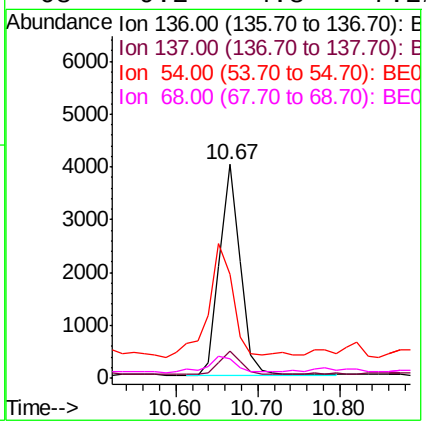


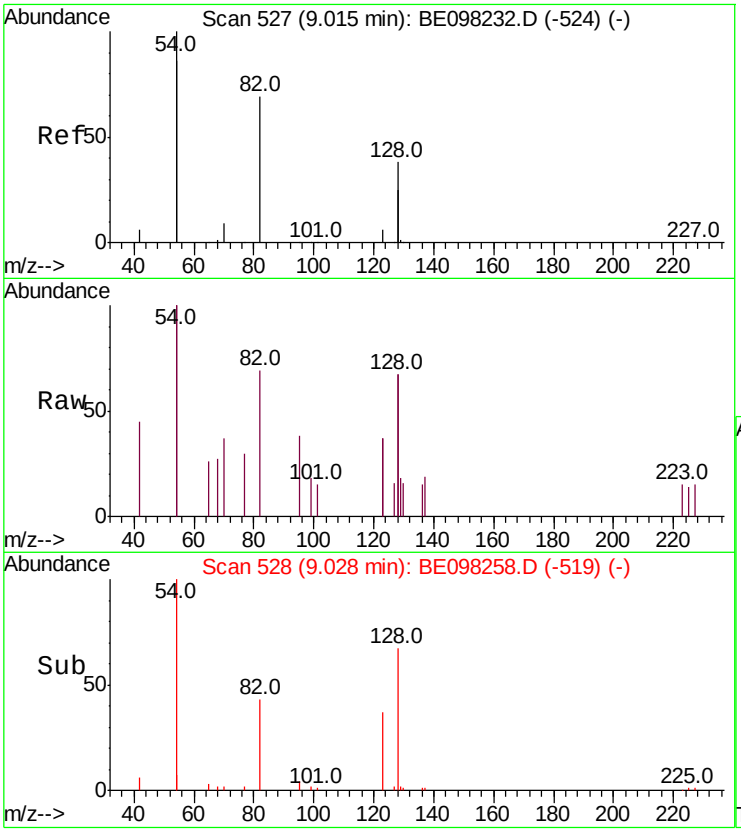


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:136 Resp: 7091

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	48.4	31.3	46.9#
68	9.2	4.8	7.2#

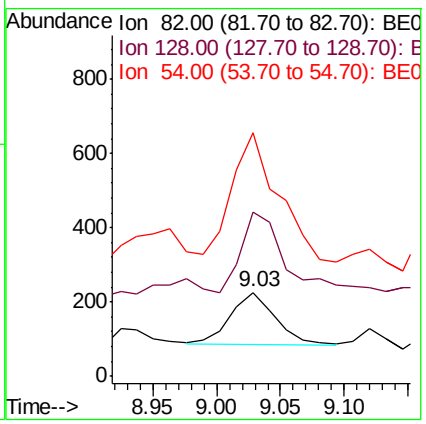




#8
Nitrobenzene-d5
Concen: 0.052 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

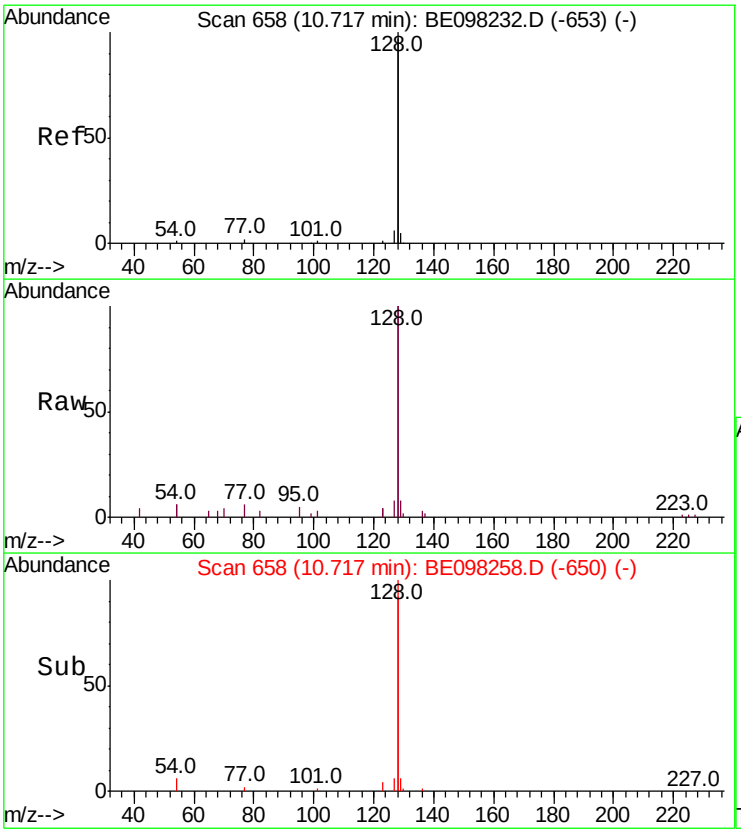
Tgt Ion: 82 Resp: 346

Ion	Ratio	Lower	Upper
82	100		
128	195.6	96.1	144.1#
54	290.3	232.0	348.0



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

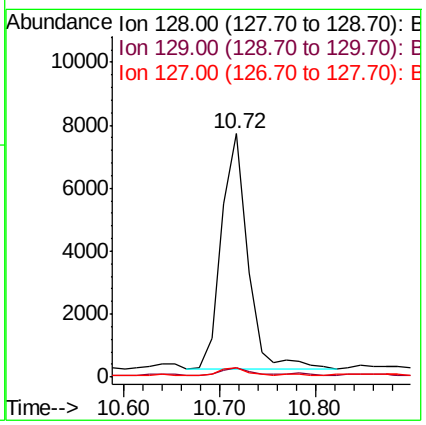
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

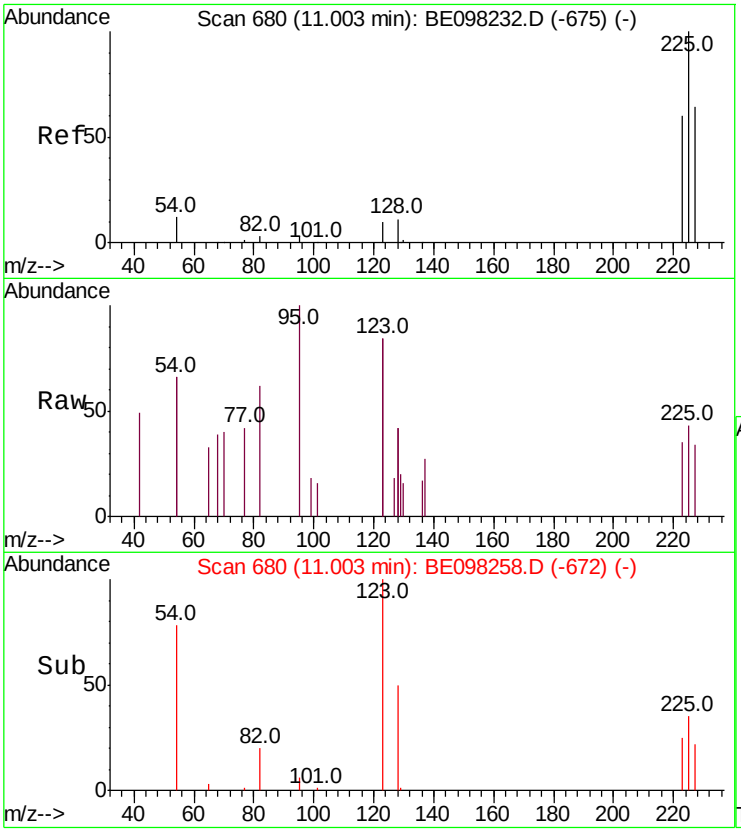


#9
Naphthalene
Concen: 0.196 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:128 Resp: 14181

Ion	Ratio	Lower	Upper
128	100		
129	3.9	2.6	4.0
127	4.0	2.8	4.2

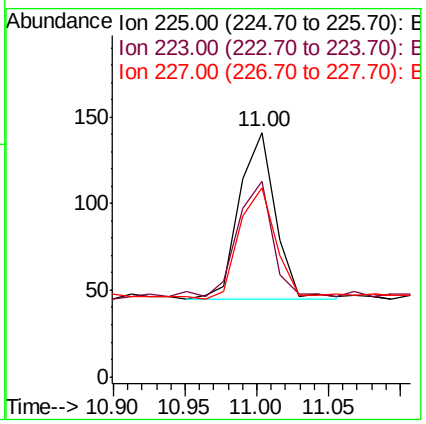




#10
Hexachlorobutadiene
Concen: 0.039 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

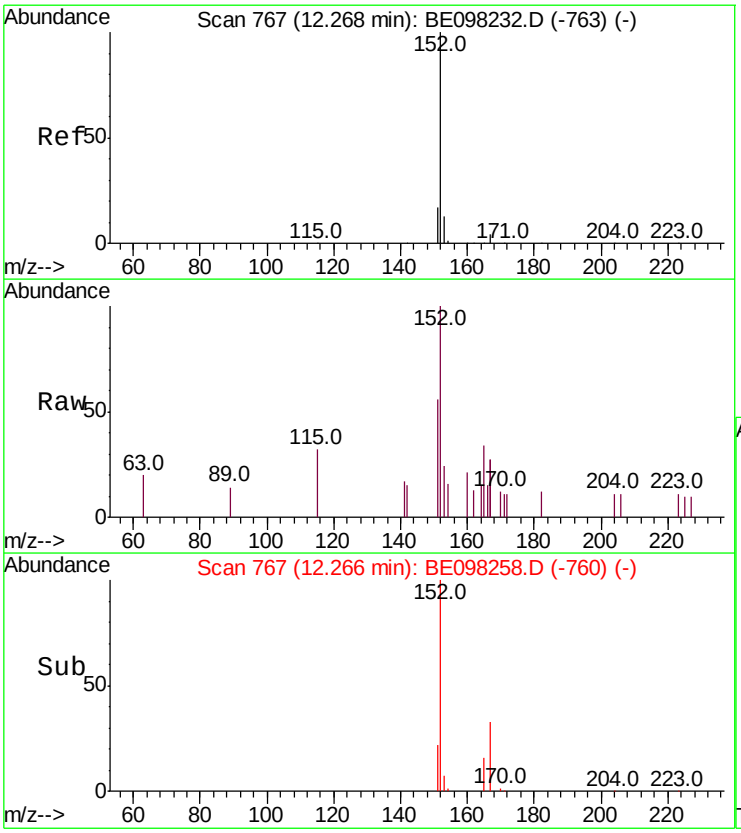
Tgt Ion:225 Resp: 166

Ion	Ratio	Lower	Upper
225	100		
223	69.3	50.5	75.7
227	65.1	50.3	75.5



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

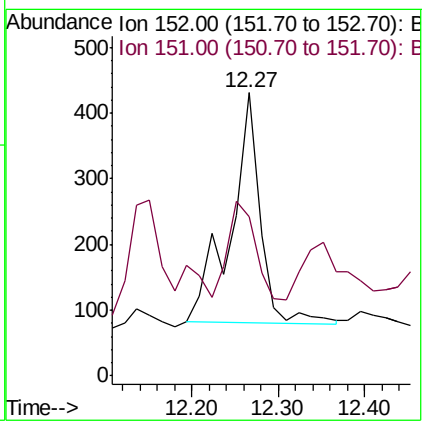
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

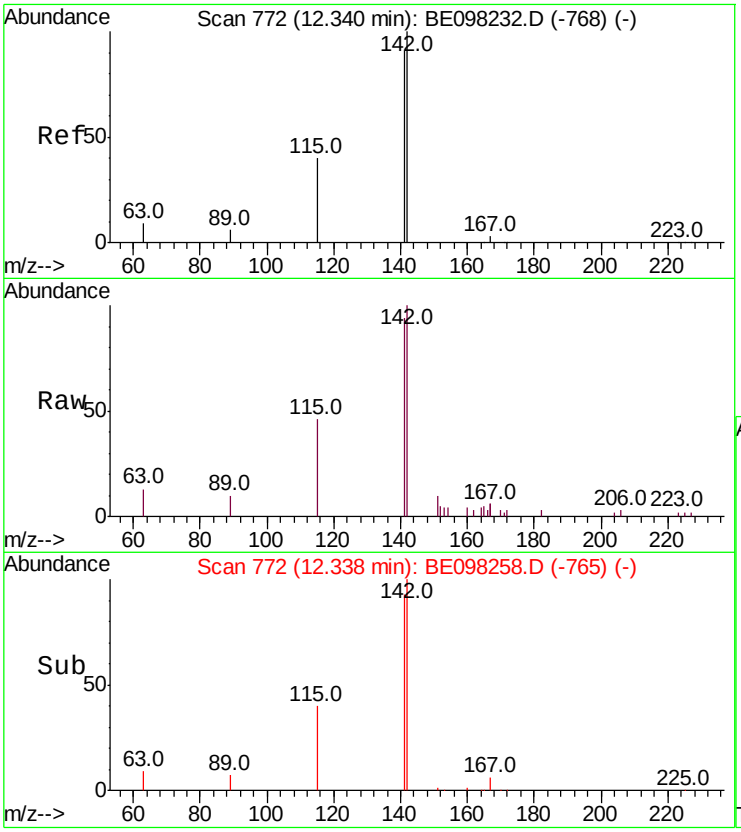


#11
2-Methylnaphthalene-d10
Concen: 0.067 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:152 Resp: 829

Ion	Ratio	Lower	Upper
152	100		
151	39.0	15.4	23.2#

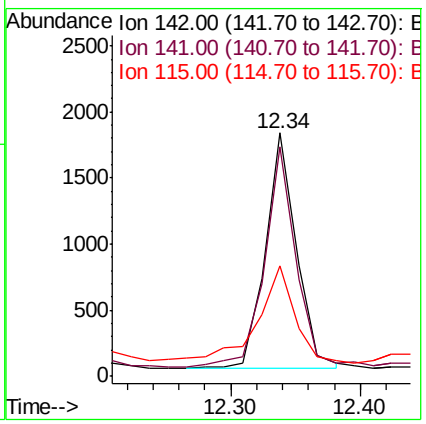




#12
2-Methylnaphthalene
Concen: 0.232 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

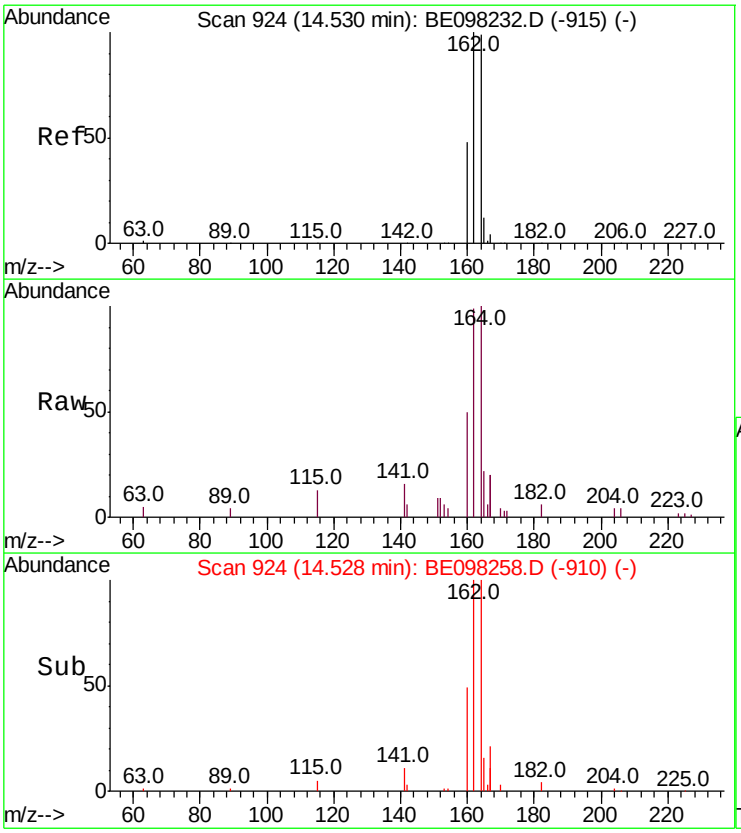
Tgt Ion:142 Resp: 2948

Ion	Ratio	Lower	Upper
142	100		
141	94.3	76.3	114.5
115	45.7	35.8	53.8



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

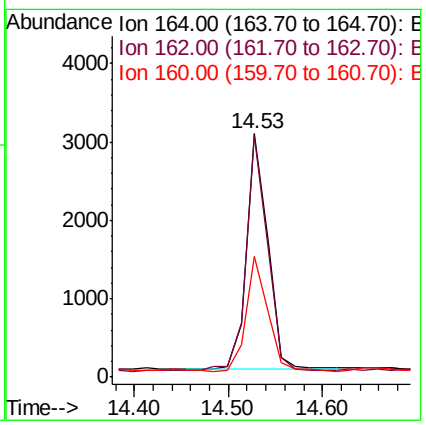
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

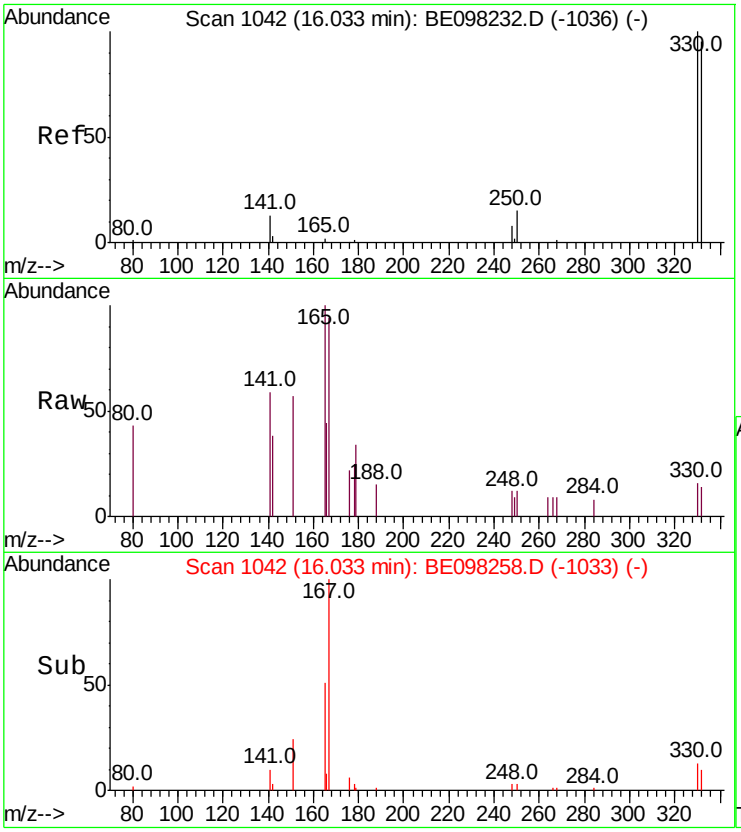


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:164 Resp: 4727

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.8	122.6
160	49.7	39.4	59.0





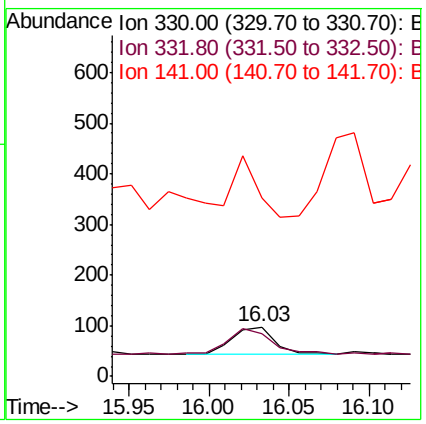
#14
2,4,6-Tribromophenol
Concen: 0.065 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

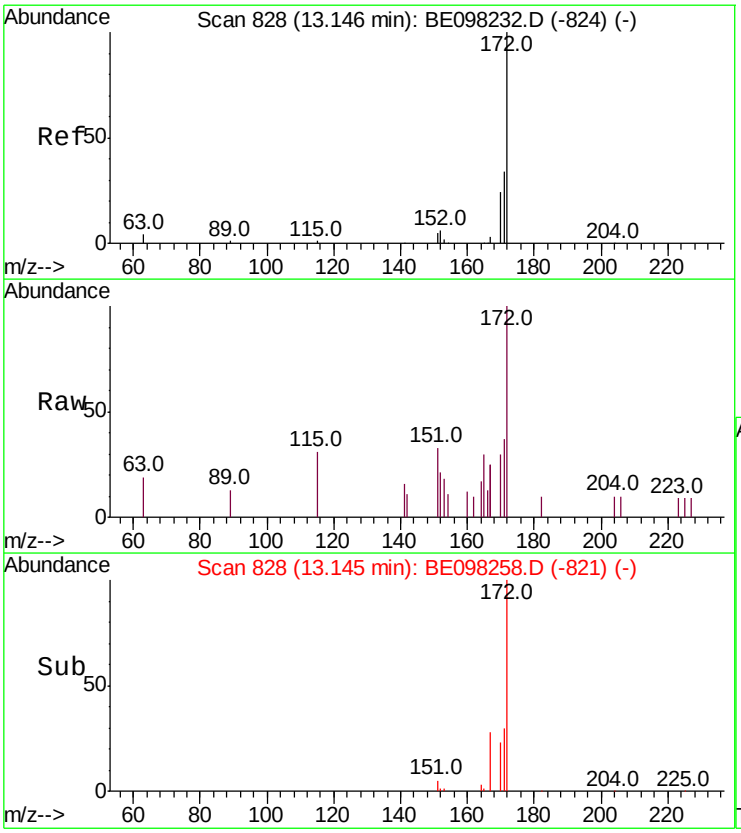
Tgt Ion:330 Resp: 99

Ion	Ratio	Lower	Upper
330	100		
332	102.0	77.7	116.5
141	111.1	33.6	50.4#

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

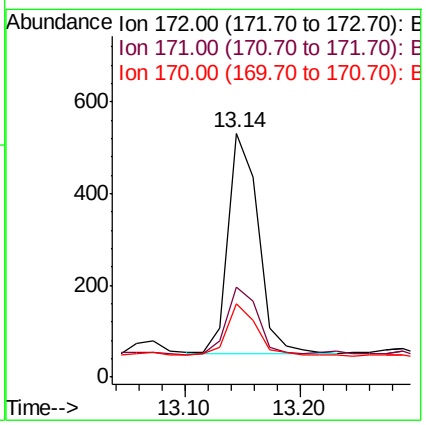


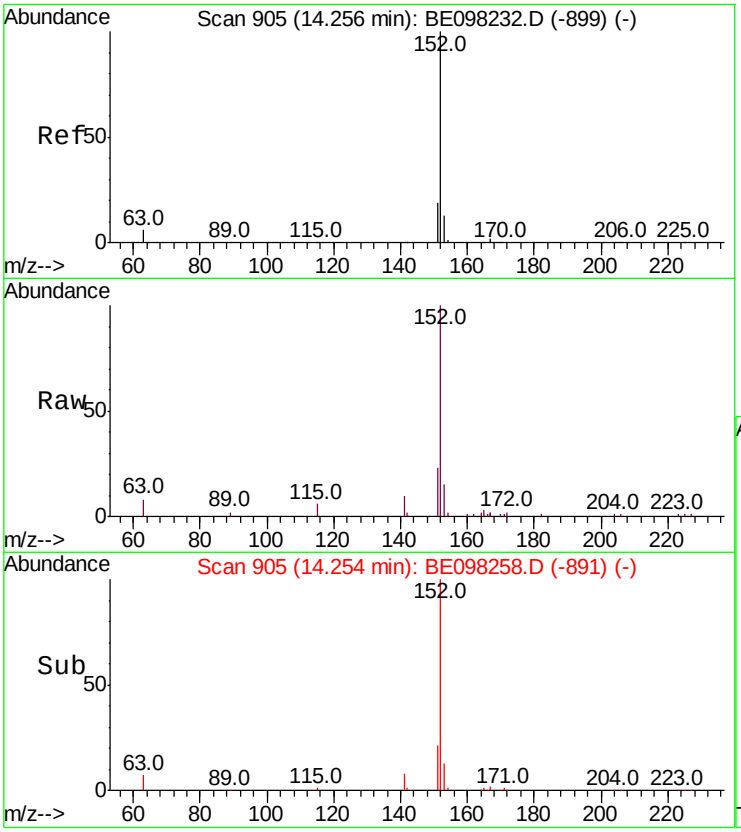


#15
2-Fluorobiphenyl
Concen: 0.043 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:172 Resp: 874

Ion	Ratio	Lower	Upper
172	100		
171	36.9	27.3	40.9
170	29.9	19.4	29.0#

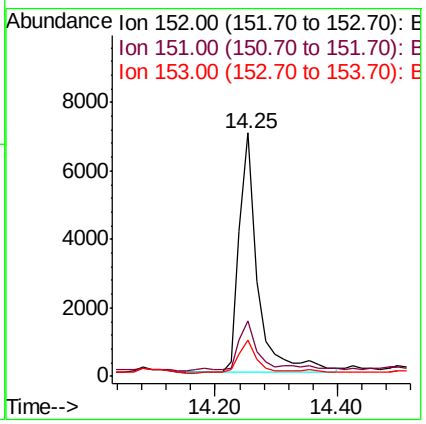




#16
Acenaphthylene
Concen: 0.668 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

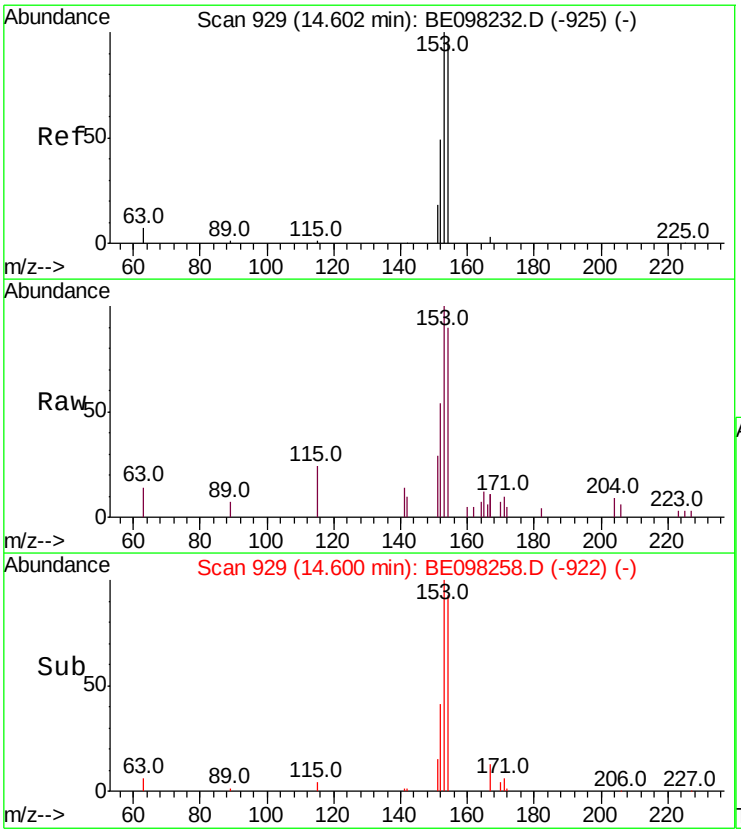
Tgt Ion:152 Resp: 15029

Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.4	24.6
153	13.7	10.6	15.8



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

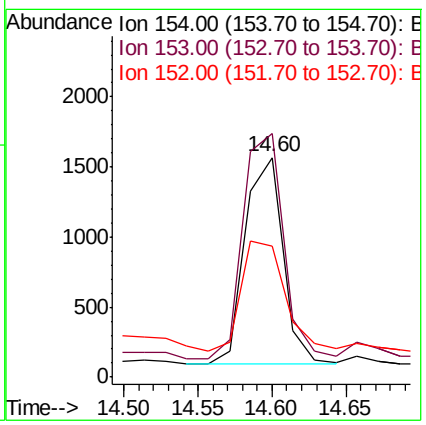
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

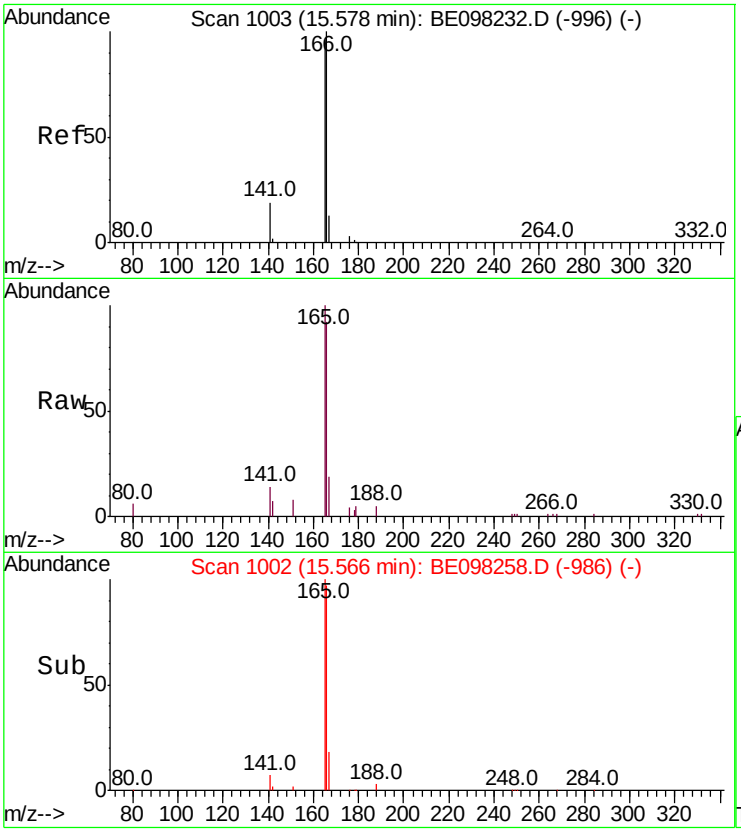


#17
Acenaphthene
Concen: 0.197 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:154 Resp: 2644

Ion	Ratio	Lower	Upper
154	100		
153	116.8	92.1	138.1
152	60.6	46.2	69.2

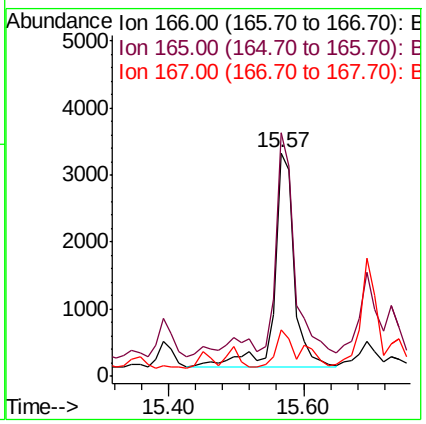




#18
Fluorene
Concen: 0.380 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

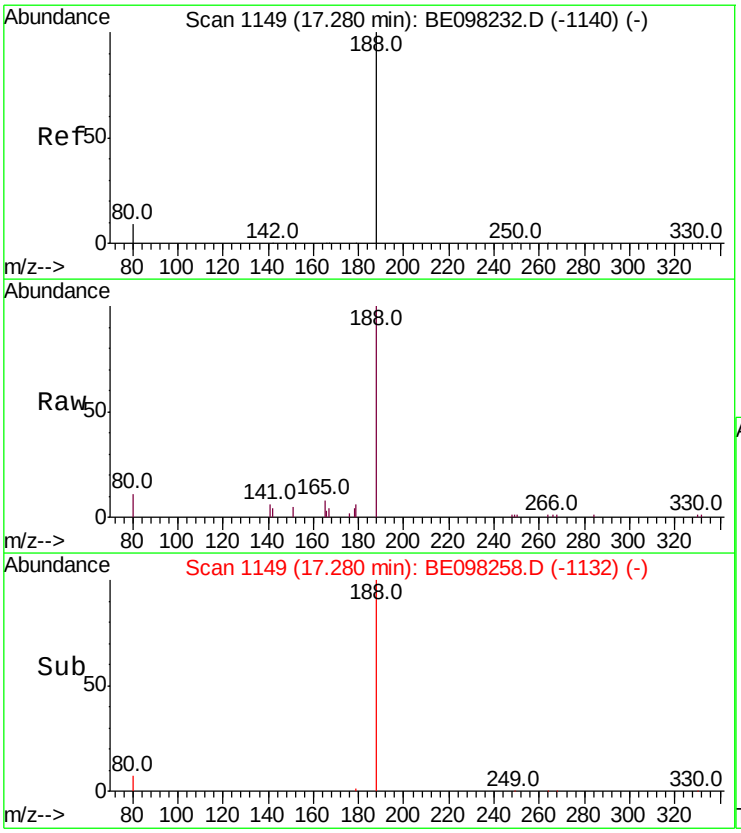
Tgt Ion:166 Resp: 6510

Ion	Ratio	Lower	Upper
166	100		
165	93.3	80.1	120.1
167	13.7	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

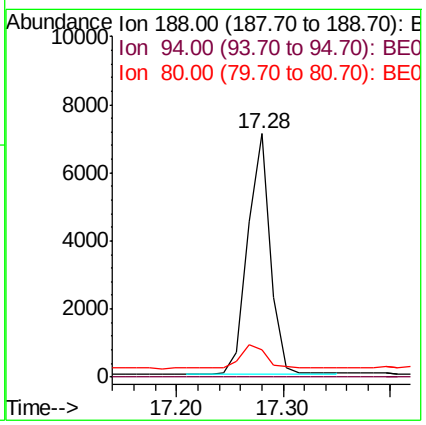
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

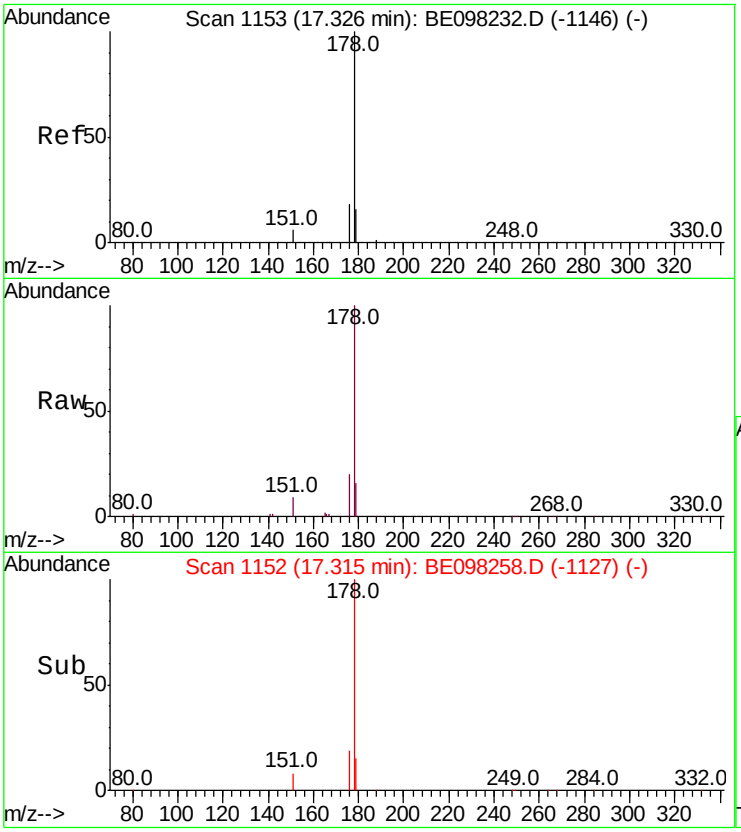


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:188 Resp: 10353

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	6.7	10.1#

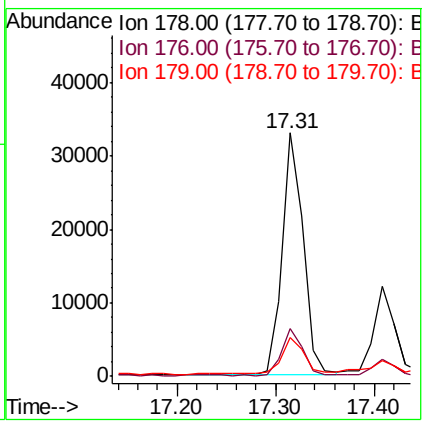




#23
Phenanthrene
Concen: 1.826 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

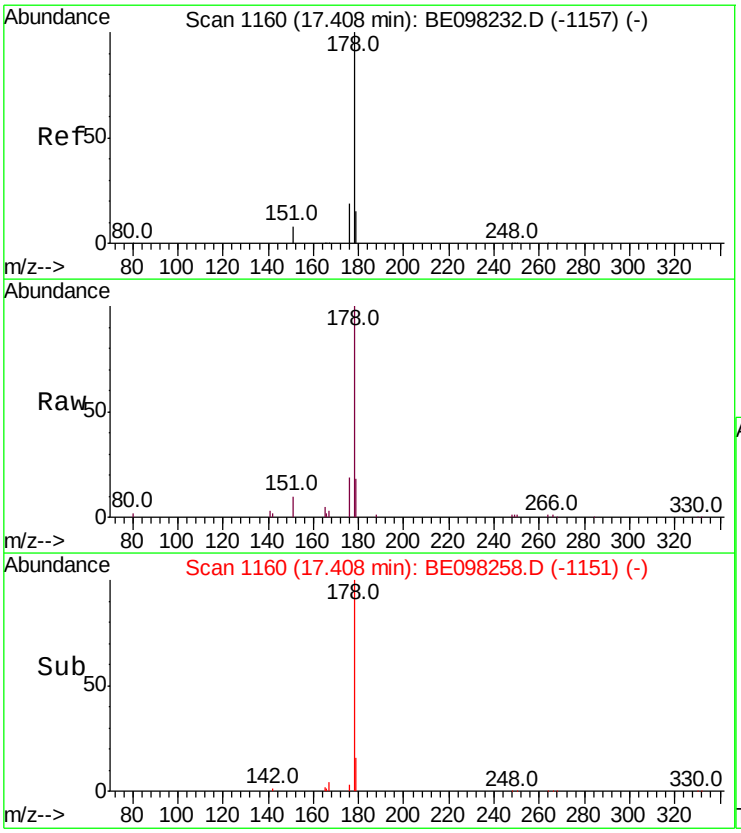
Tgt Ion:178 Resp: 48653

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.0	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

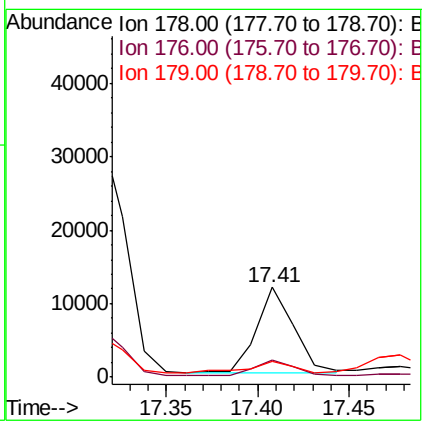
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

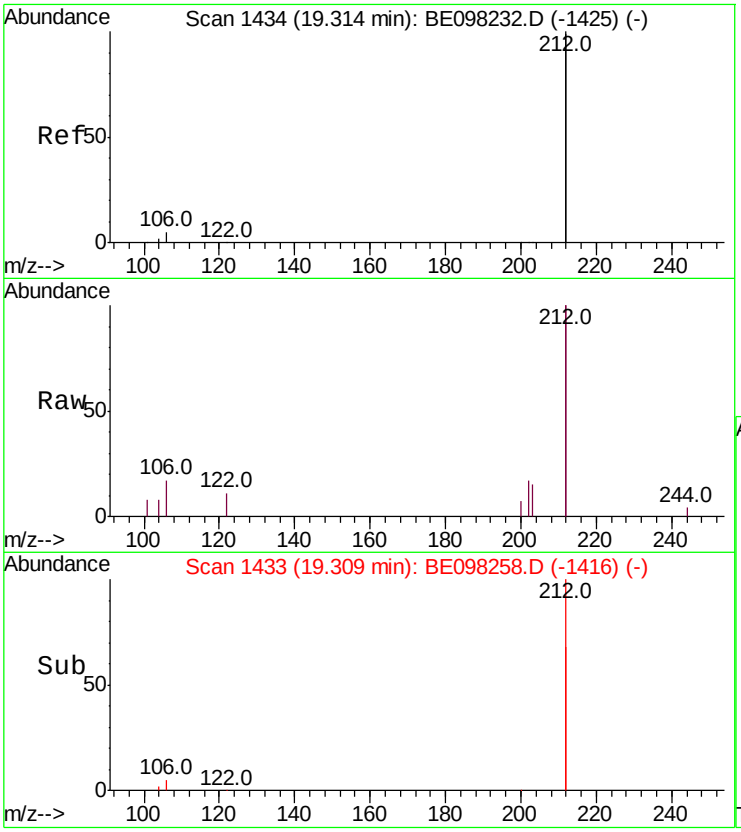


#24
Anthracene
Concen: 0.697 ng
RT: 17.41 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:178 Resp: 16863

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.9	12.1	18.1

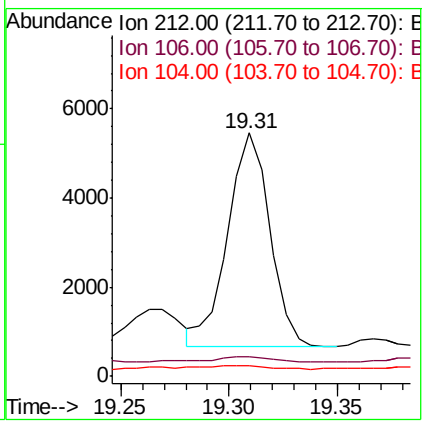




#25
Fluoranthene-d10
Concen: 0.051 ng
RT: 19.31 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

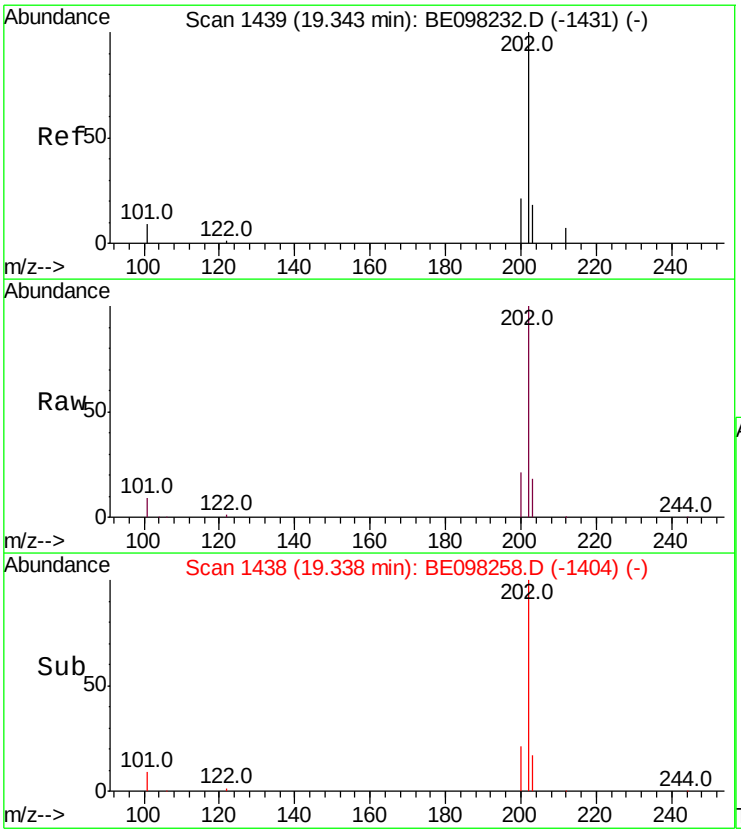
Tgt Ion:212 Resp: 6478

Ion	Ratio	Lower	Upper
212	100		
106	3.1	1.8	2.8#
104	2.1	1.1	1.7#



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

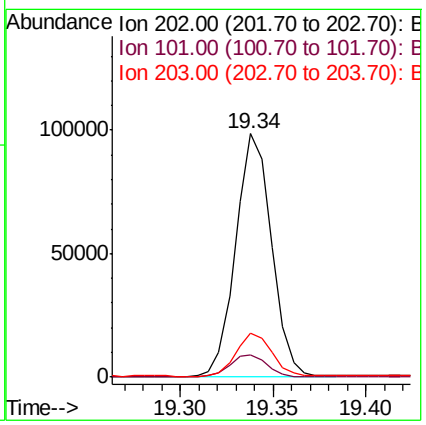
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

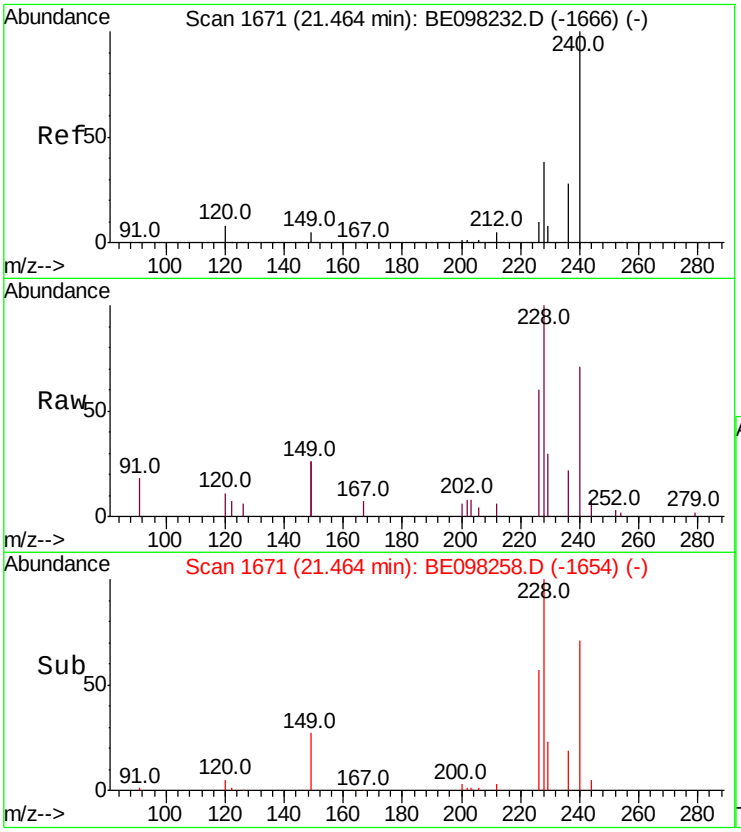


#26
Fluoranthene
Concen: 4.125 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:202 Resp: 131869

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.0	10.6
203	17.5	13.7	20.5

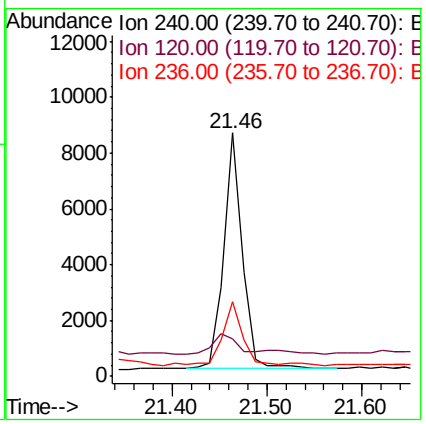




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

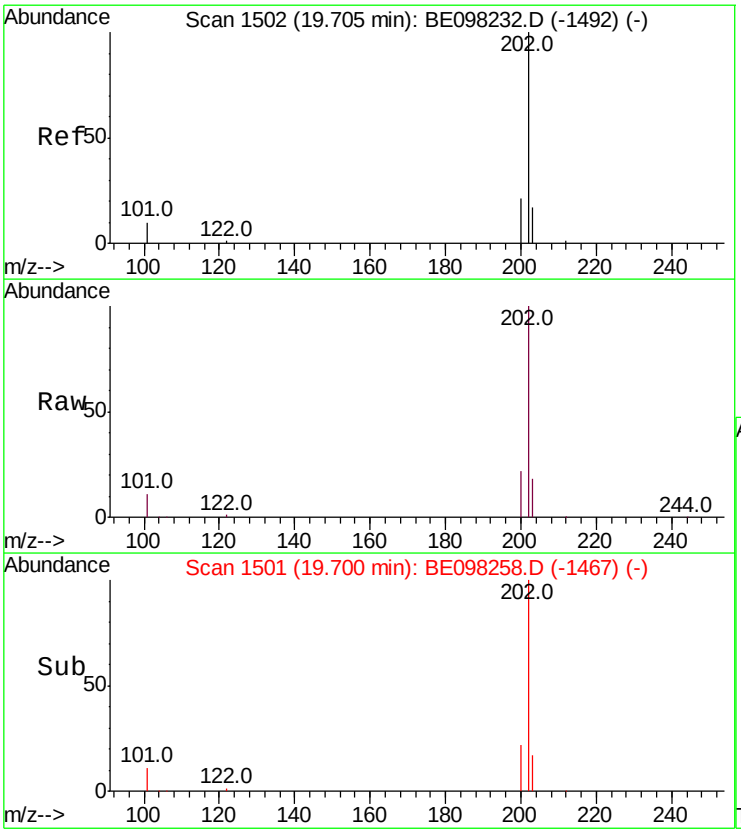
Tgt Ion:240 Resp: 11402

Ion	Ratio	Lower	Upper
240	100		
120	15.2	4.8	7.2#
236	30.8	21.4	32.0



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

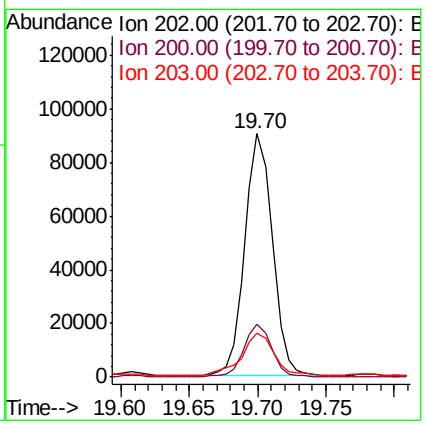
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

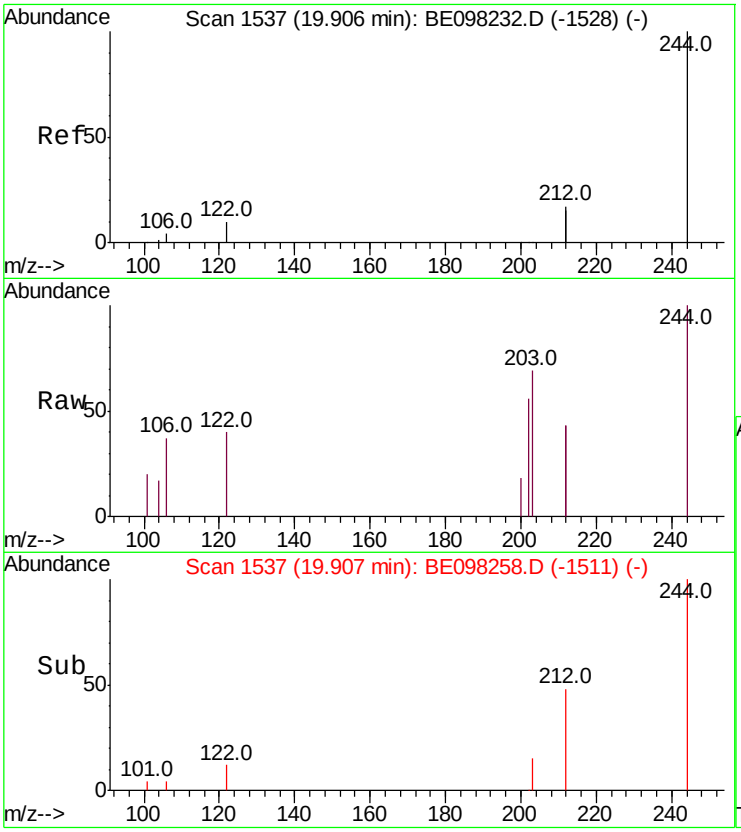


#28
Pyrene
Concen: 3.799 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:202 Resp: 126614

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	20.9	14.2	21.4

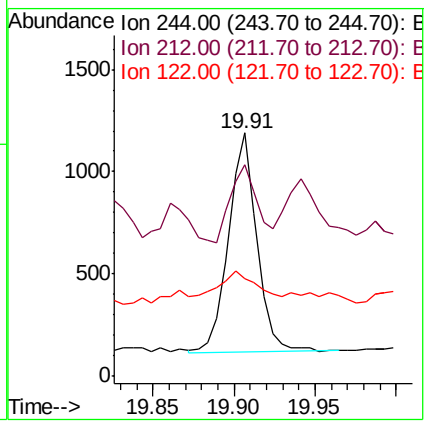




#29
Terphenyl-d14
Concen: 0.049 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

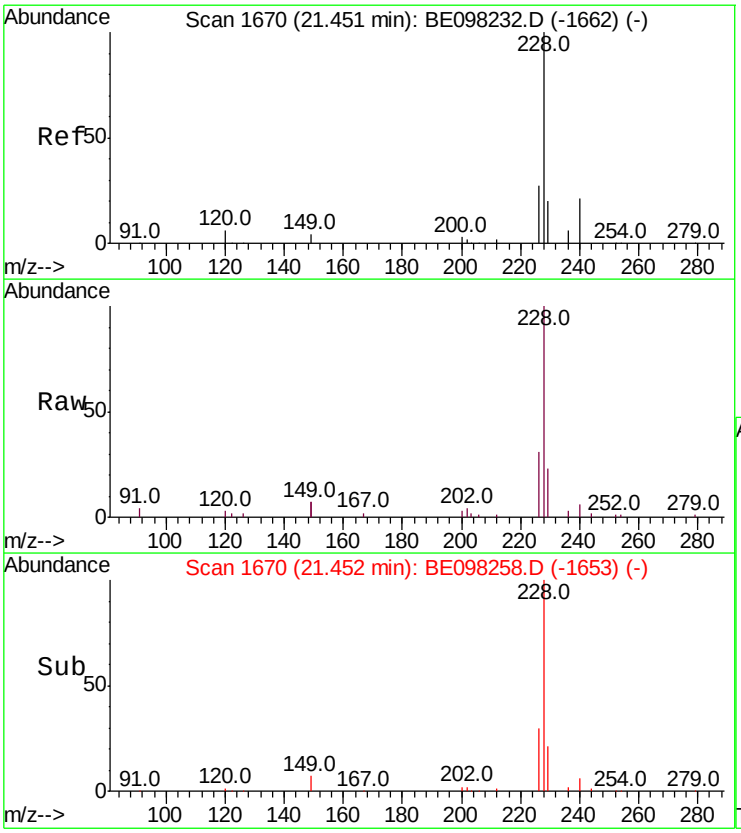
Tgt Ion:244 Resp: 1289

Ion	Ratio	Lower	Upper
244	100		
212	86.7	26.8	40.2#
122	40.3	7.0	10.6#



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

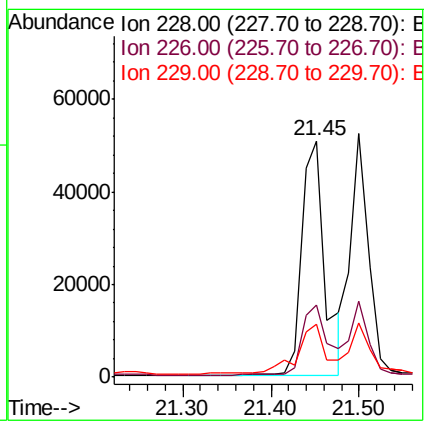
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

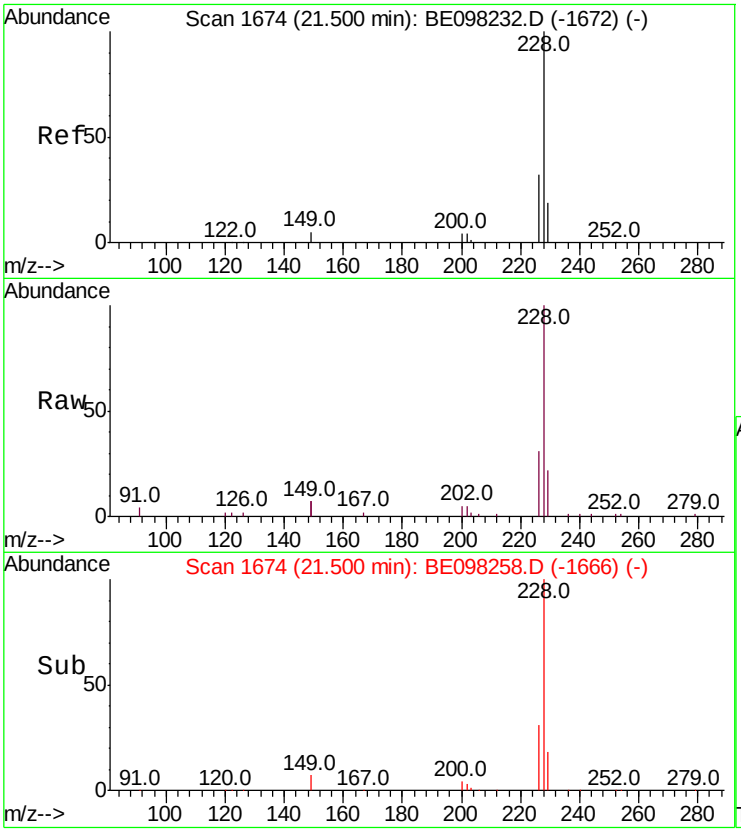


#30
Benzo(a)anthracene
Concen: 2.818 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:228 Resp: 92940

Ion	Ratio	Lower	Upper
228	100		
226	30.7	20.7	31.1
229	22.6	16.2	24.4

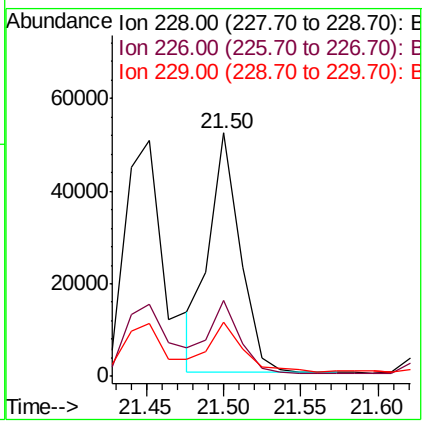




#31
Chrysene
Concen: 2.150 ng
RT: 21.50 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

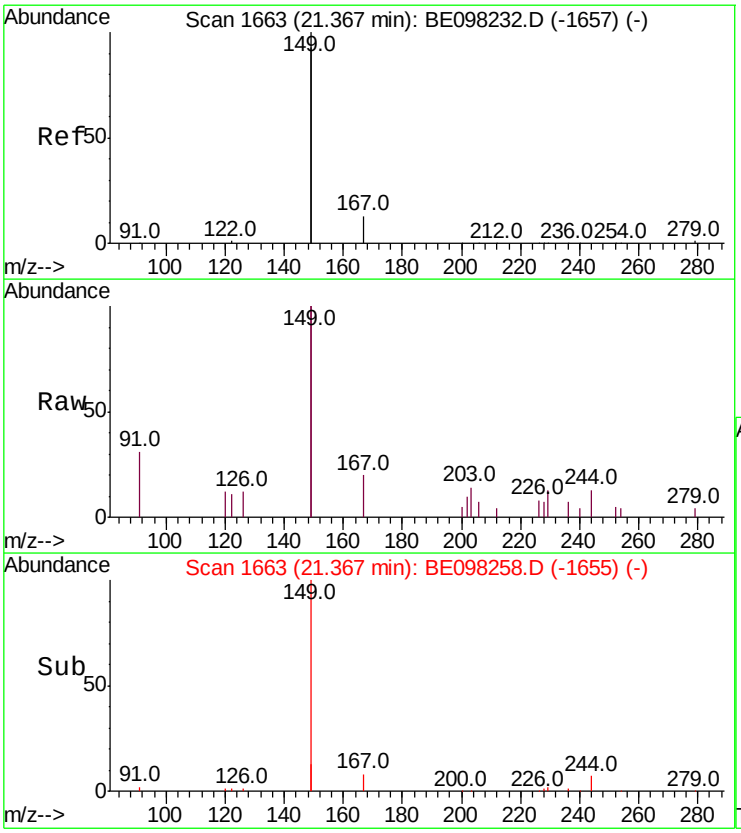
Tgt Ion:228 Resp: 72984

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	36.8
229	22.2	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

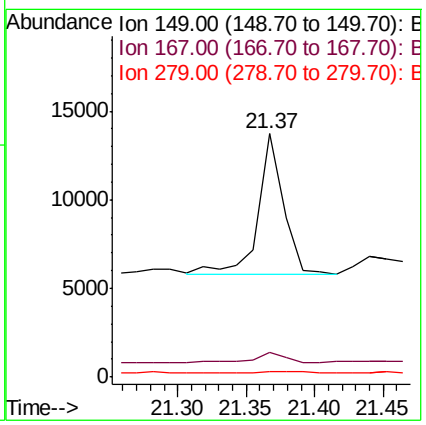
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

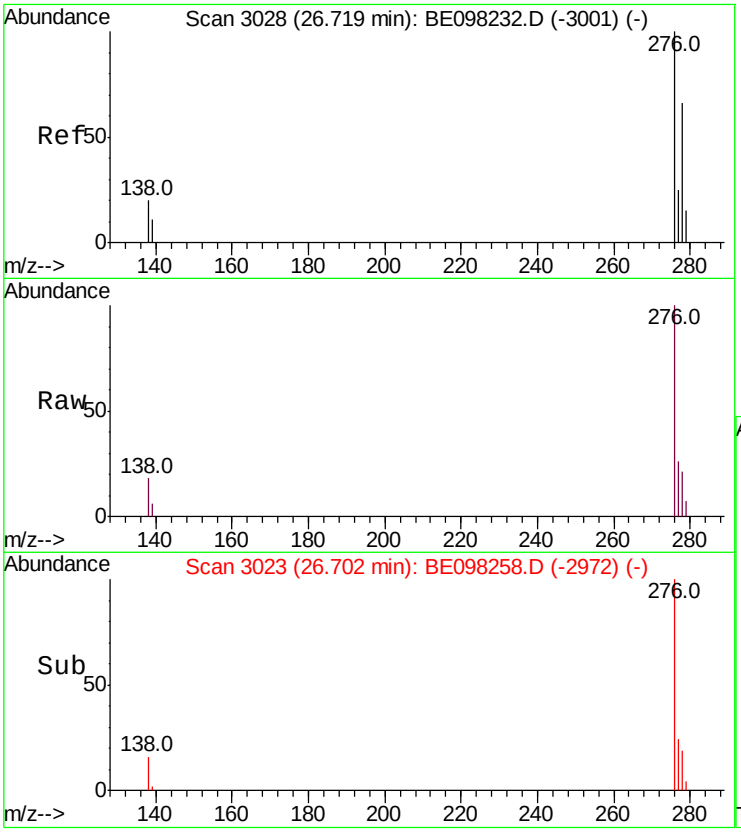


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.195 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:149 Resp: 10036

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.6	8.4
279	1.5	0.9	1.3#





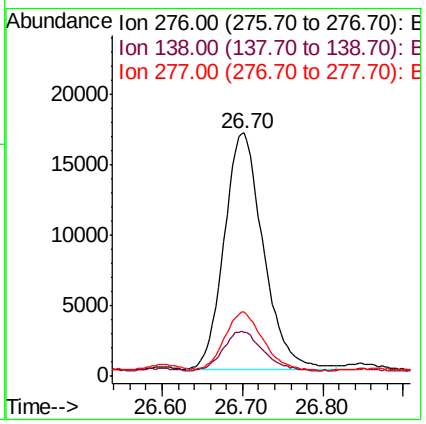
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.954 ng
RT: 26.70 min Scan# 3023
Delta R.T. -0.02 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

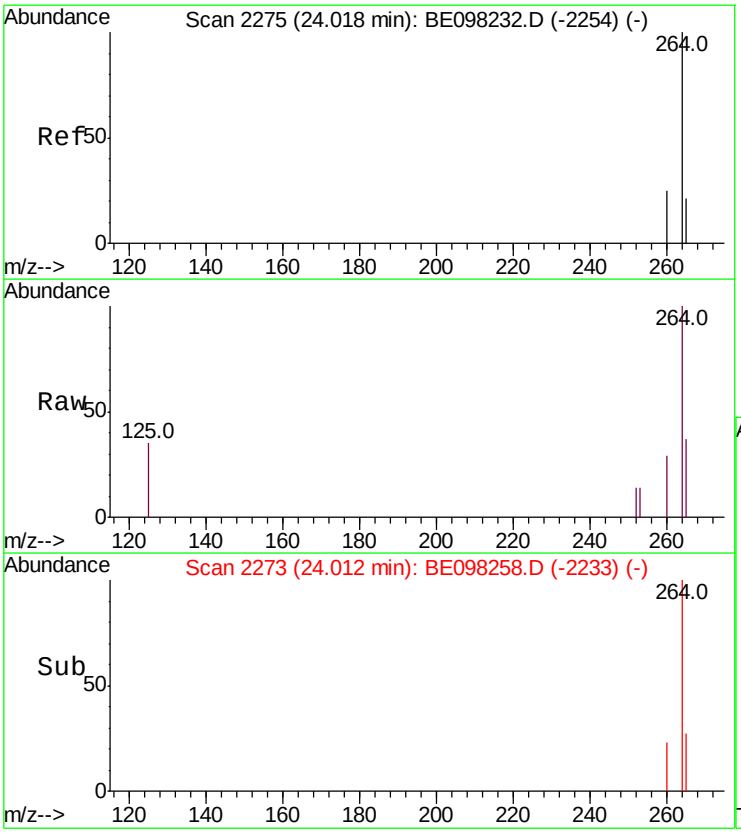
Tgt Ion:276 Resp: 56763

Ion	Ratio	Lower	Upper
276	100		
138	16.5	6.4	9.6#
277	24.1	18.9	28.3

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

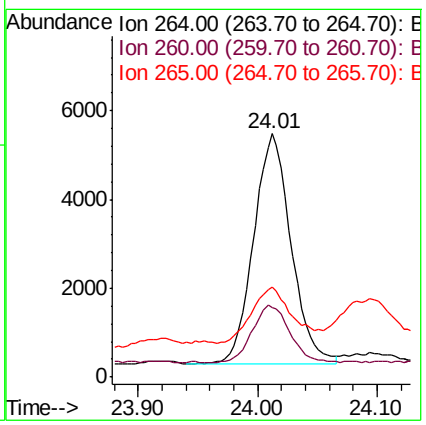


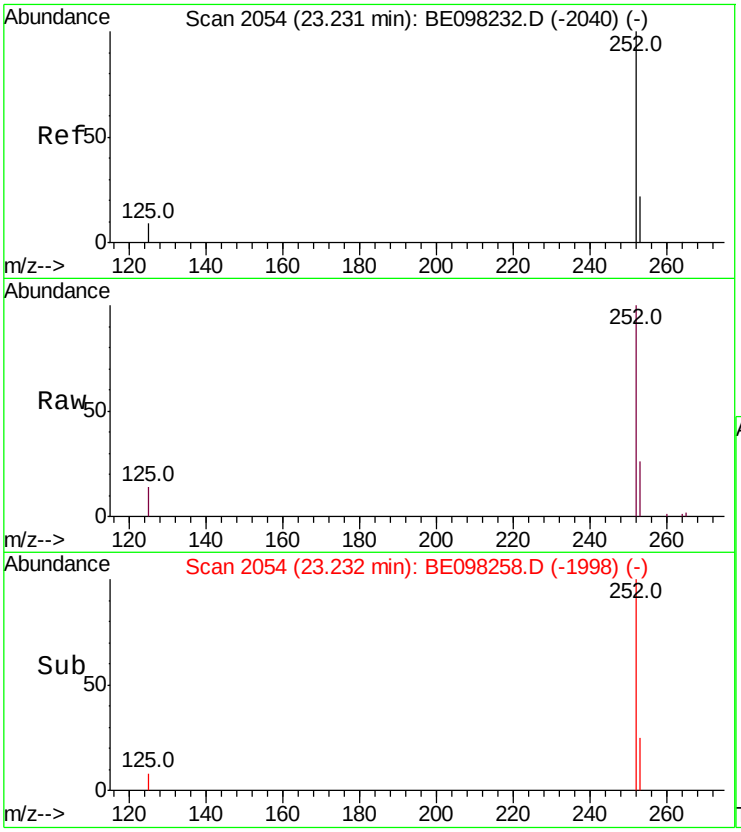


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:264 Resp: 11305

Ion	Ratio	Lower	Upper
264	100		
260	28.6	19.9	29.9
265	36.9	21.3	31.9#





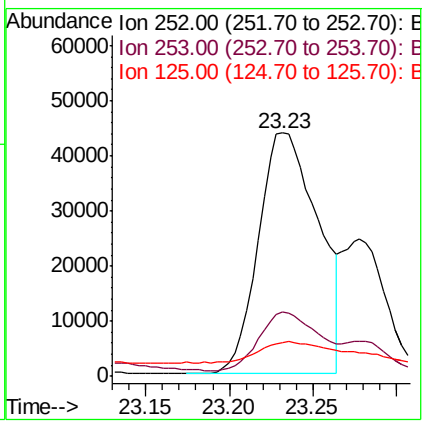
#35
Benzo(b)fluoranthene
Concen: 3.414 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

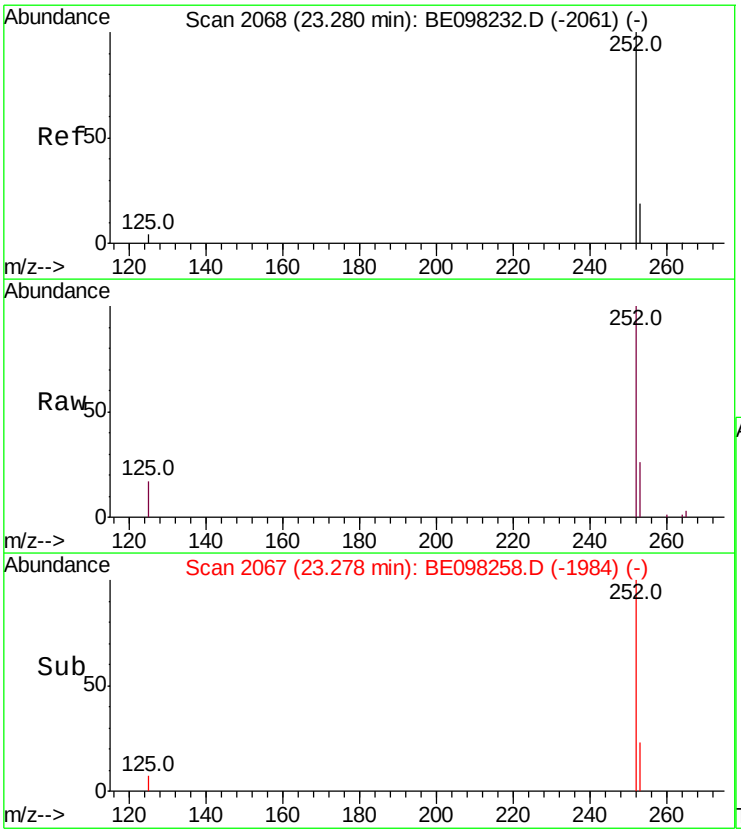
Tgt Ion:252 Resp: 108978

Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.4	29.0
125	13.9	8.6	12.8#

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

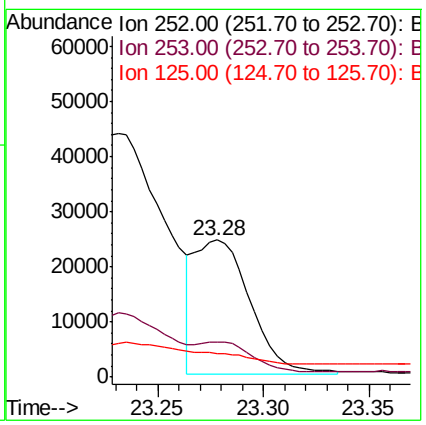


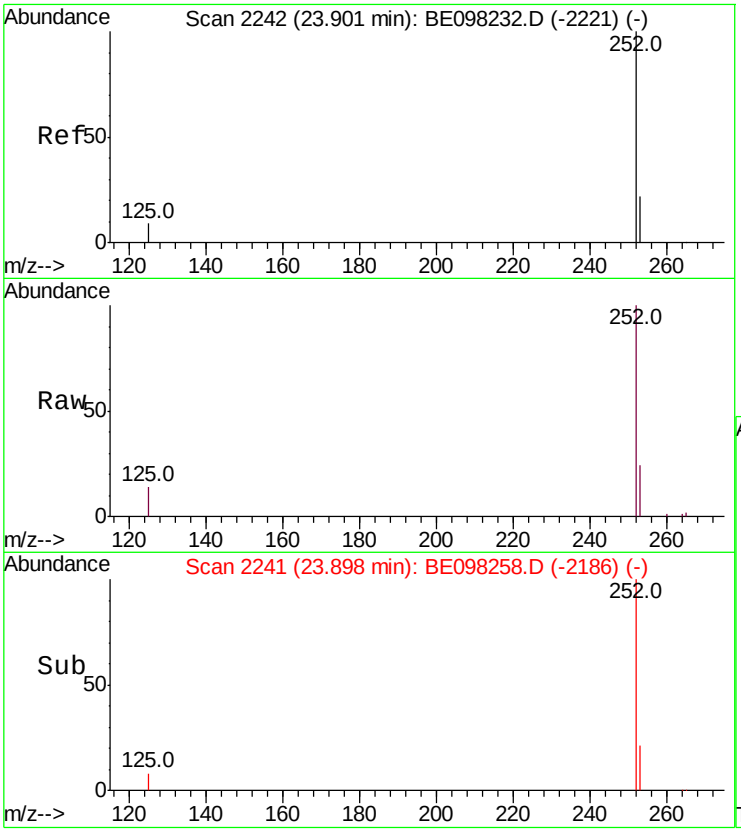


#36
Benzo(k)fluoranthene
Concen: 1.247 ng m
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:252 Resp: 44954

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.6	28.0
125	17.5	7.4	11.0#

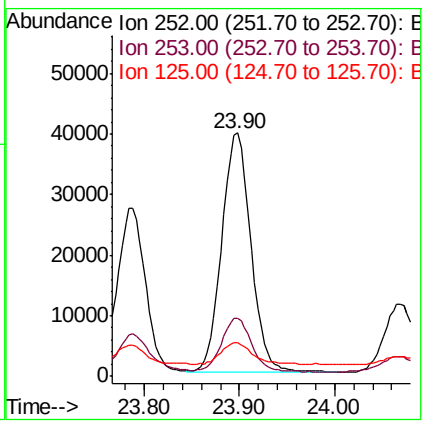




#37
Benzo(a)pyrene
Concen: 2.668 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

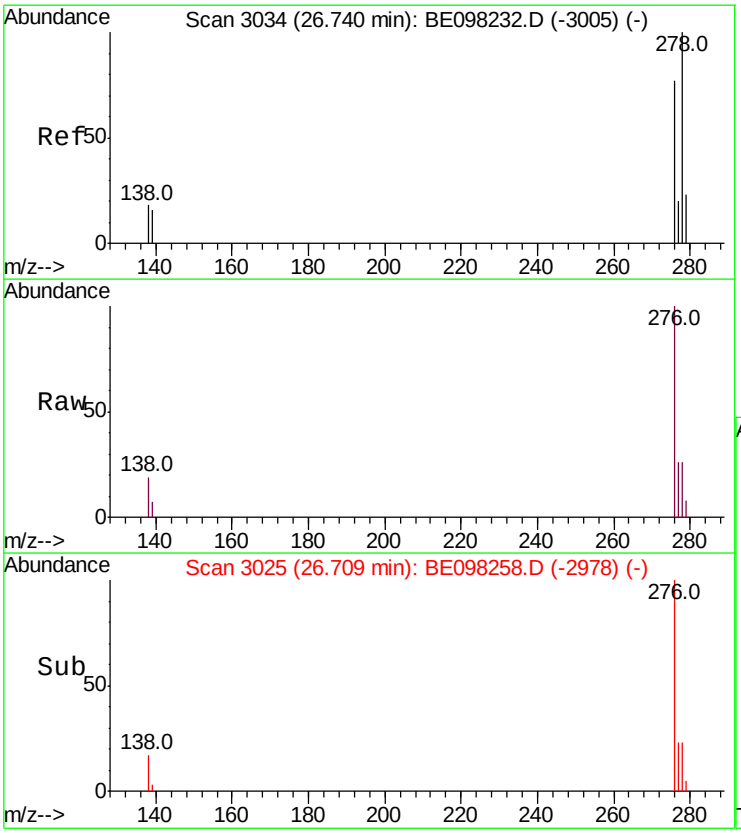
Tgt Ion:252 Resp: 83631

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	27.8
125	13.6	8.0	12.0#



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

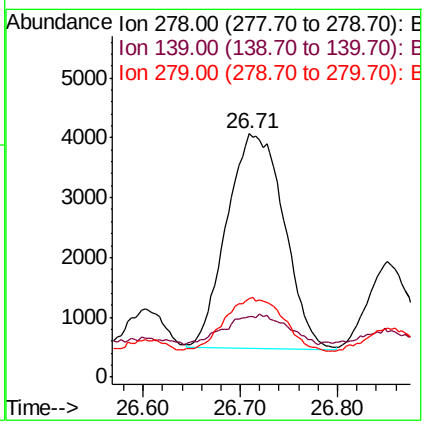
Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM

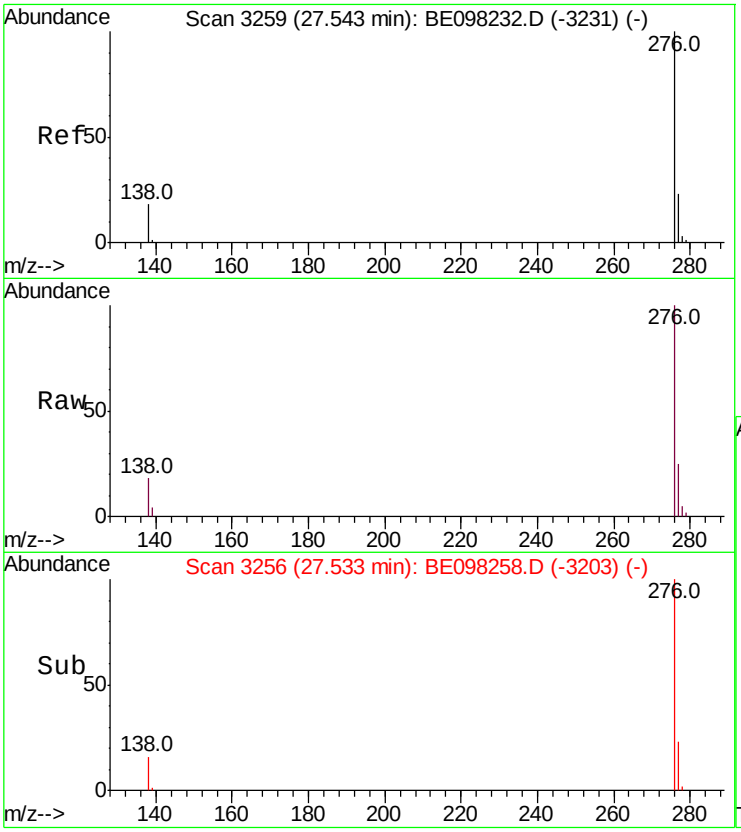


#38
Dibenzo(a,h)anthracene
Concen: 0.583 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.03 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:278 Resp: 14639

Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.4	24.6#
279	32.4	21.3	31.9#

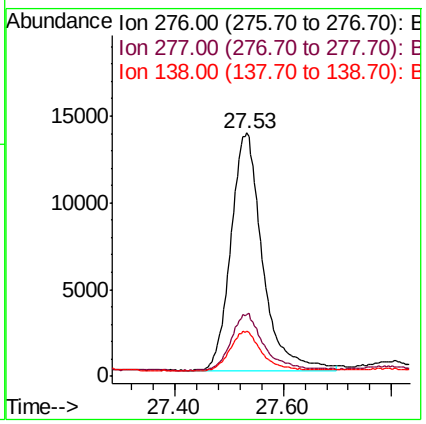




#39
Benzo(g,h,i)perylene
Concen: 2.067 ng
RT: 27.53 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BE098258.D
Acq: 21 Nov 2018 12:11

Tgt Ion:276 Resp: 55940

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.4	30.6
138	18.4	13.2	19.8



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:28 AM