Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024373.D
Acq On : 30 Dec 2019 15:10
Operator : JU
Sample : K6322-02DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30DL

Manual Integrations APPROVED
mohammad
12/31/2019 8:28:29 AM

Quant Time: Dec 30 15:51:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 30 14:11:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	188702	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	793858	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.07	164	461312	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.83	188	960733	20.00	ng/ul	0.00
78) Chrysene-d12	21.05	240	965816	20.00	ng/ul	0.00
86) Perylene-d12	23.17	264	1153848	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	2438	0.57	ng/uL	0.03
5) Phenol-d5	6.63	99	29333	1.64	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.77	67	23307	2.18	ng/ul	0.01
9) 2-Chlorophenol-d4	6.96	132	27298	2.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	20999	1.44	ng/ul	0.02
19) Nitrobenzene-d5	8.58	128	11397	2.00	ng/ul	0.02
22) 2-Nitrophenol-d4	9.29	143	11044	1.76	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.86	165	22685m	1.86	ng/ul	0.04
29) 4-Chloroaniline-d4	10.38	131	17116m	1.16	ng/ul	0.05
44) Dimethylphthalate-d6	13.50	166	88183	2.59	ng/ul	0.00
47) Acenaphthylene-d8	13.76	160	97540	2.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	364	0.06	ng/ul	0.09
58) Fluorene-d10	15.08	176	79278	2.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	2467	0.42	ng/ul	0.03
71) Anthracene-d10	16.93	188	124200	2.84	ng/ul	0.00
79) Pyrene-d10	19.24	212	138814	3.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.04	264	162184	2.83	ng/ul	0.00
Target Compounds						Qvalue
48) Acenaphthylene	13.79	152	166709	3.842	ng/ul	98
59) Fluorene	15.14	166	61087	1.744	ng/ul	96
70) Phenanthrene	16.87	178	980373	18.227	ng/ul	99
72) Anthracene	16.97	178	273431	5.057	ng/ul	99
77) Fluoranthene	18.91	202	2068196	35.280	ng/ul	99
80) Pyrene	19.27	202	1632205	25.887	ng/ul	99
83) Benzo(a)anthracene	21.04	228	1045026	16.983	ng/ul	99
85) Chrysene	21.09	228	900644	14.932	ng/ul	97
88) Benzo(b)fluoranthene	22.56	252	1241603	17.984	ng/ul	98
89) Benzo(k)fluoranthene	22.59	252	384041m	5.669	ng/ul	
91) Benzo(a)pyrene	23.09	252	765096	12.250	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.26	276	476133	6.349	ng/ul	97
93) Dibenzo(a,h)anthracene	25.26	278	146318	2.327	ng/ul#	87
94) Benzo(g,h,i)perylene	25.90	276	390020	6.369	ng/ul	98

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

Quantitation Report (QT/LSC Reviewed)

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0C30DL

Manual Integrations APPROVED
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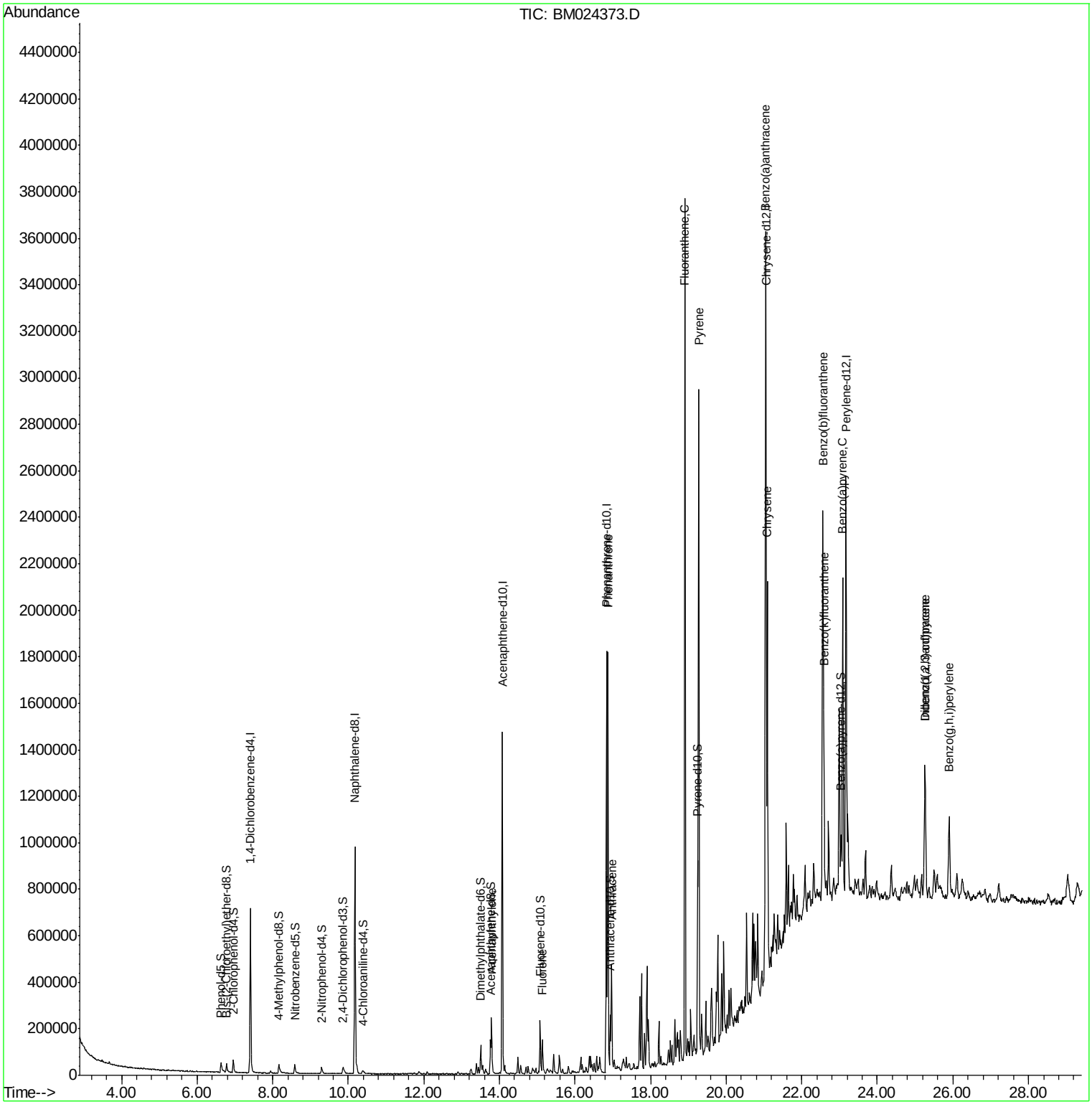
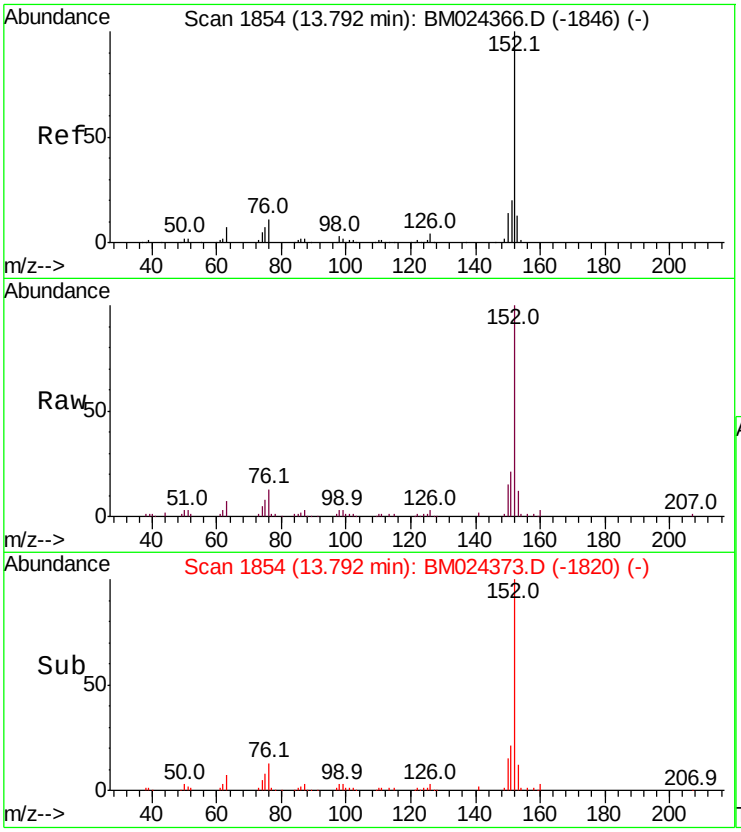
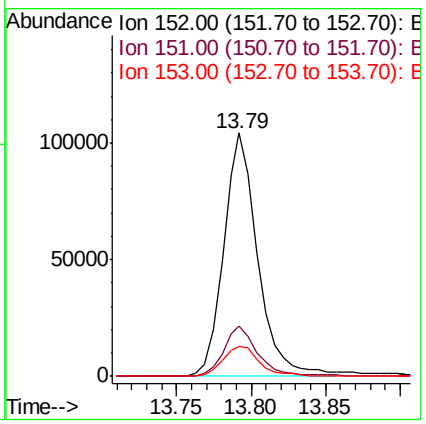




#48
Acenaphthylene
Concen: 3.842 ng/ul
RT: 13.79 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:152 Resp: 166709

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	12.2	10.6	16.0



Instrument :
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ClientSampleId :
C0C30DL

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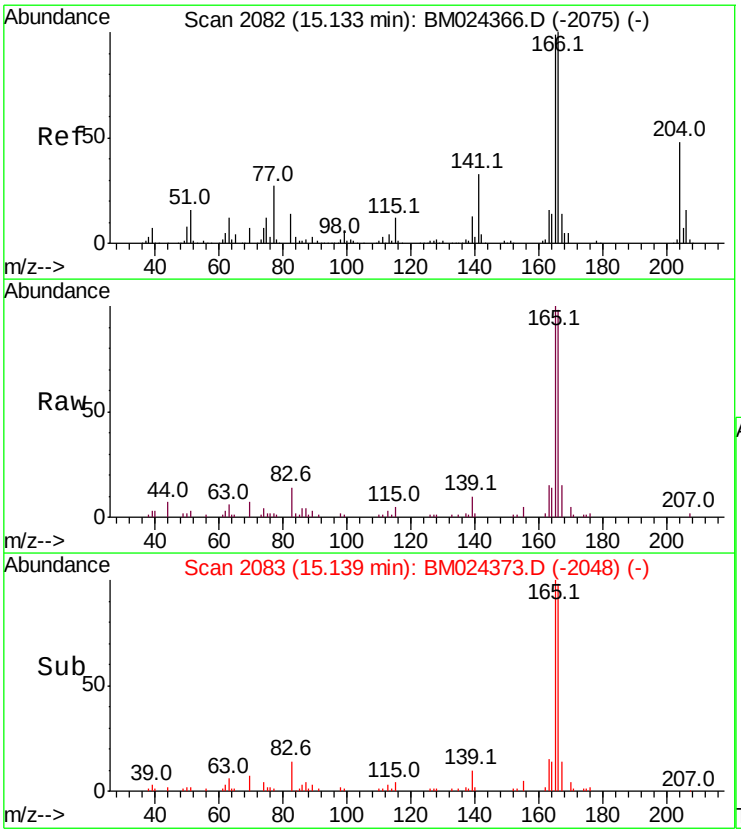
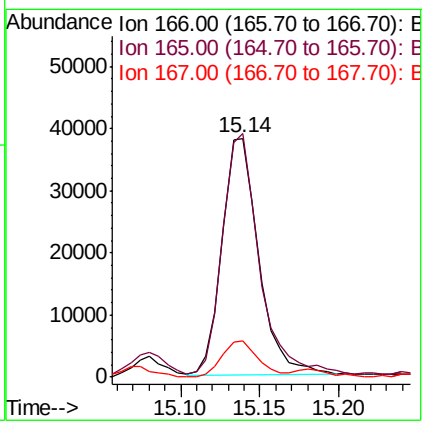
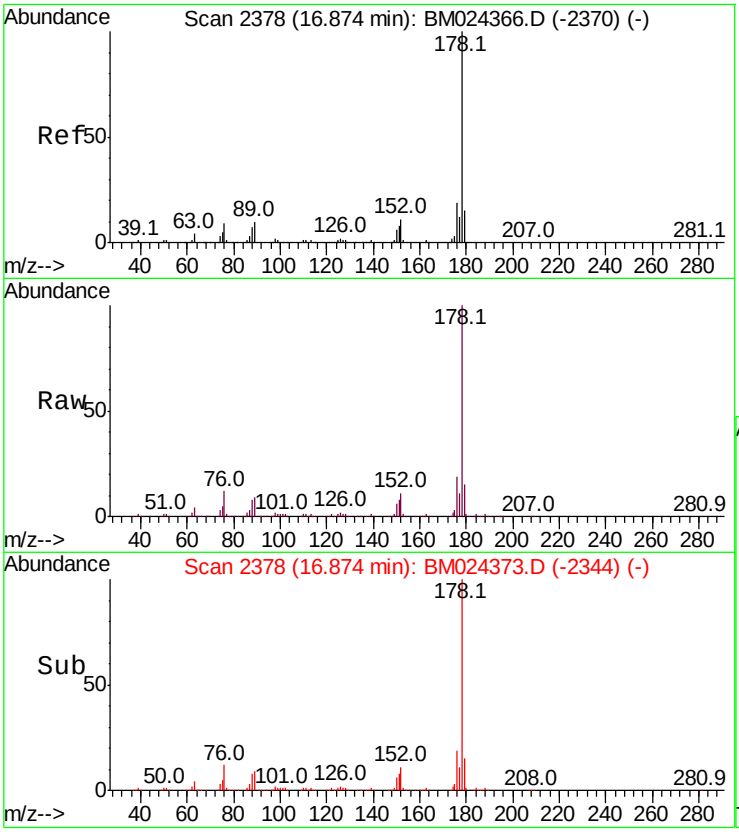


#59
Fluorene
Concen: 1.744 ng/ul
RT: 15.14 min Scan# 2083
Delta R.T. 0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:166 Resp: 61087

Ion	Ratio	Lower	Upper
166	100		
165	101.9	78.3	117.5
167	15.0	10.4	15.6

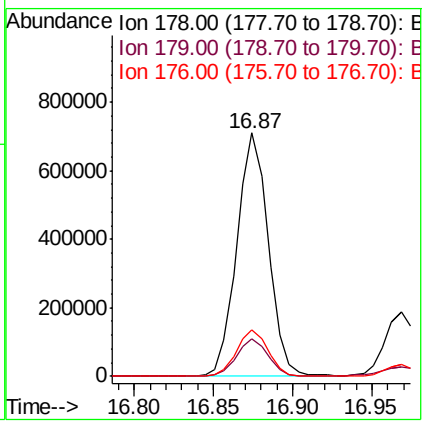




#70
Phenanthrene
Concen: 18.227 ng/ul
RT: 16.87 min Scan# 2378
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:178 Resp: 980373

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.1	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
C0C30DL

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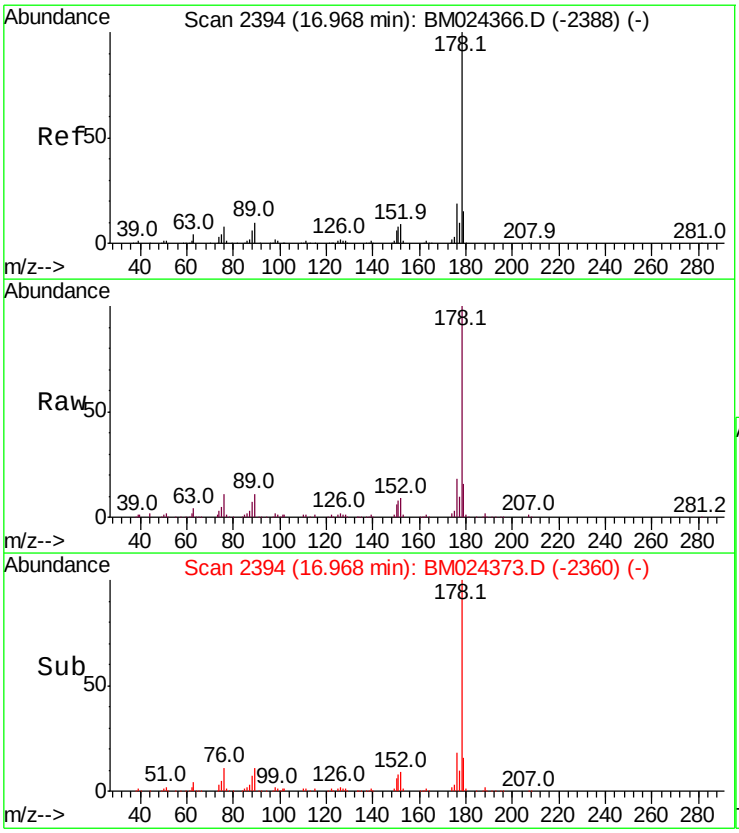
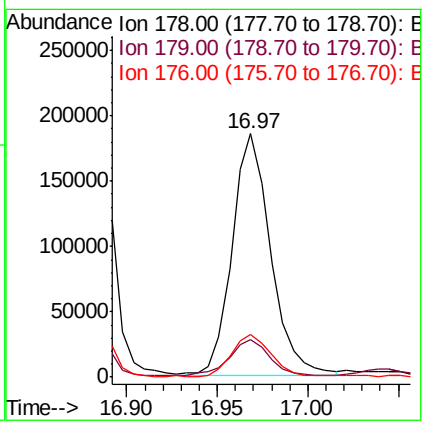
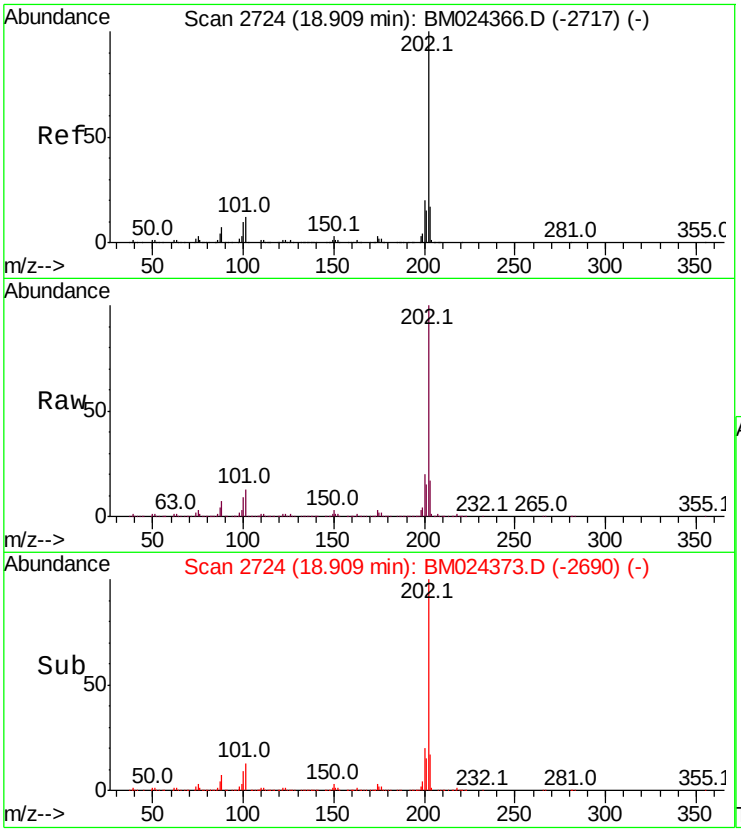


#72
Anthracene
Concen: 5.057 ng/ul
RT: 16.97 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:178 Resp: 273431

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	17.7	14.7	22.1

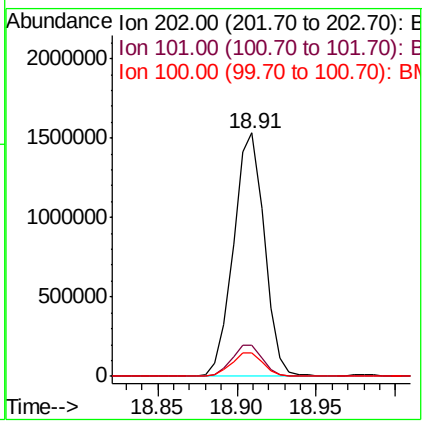




#77
Fluoranthene
Concen: 35.280 ng/ul
RT: 18.91 min Scan# 2724
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:202 Resp: 2068196

Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.6	15.8
100	9.5	8.1	12.1



Instrument :
BNA_M
ClientSampleId :
C0C30DL

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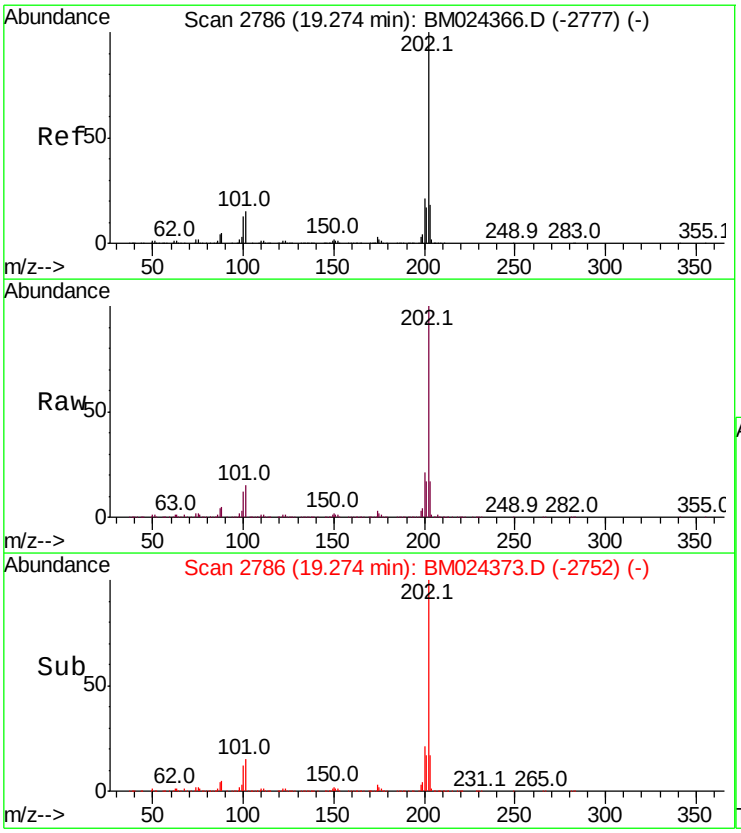
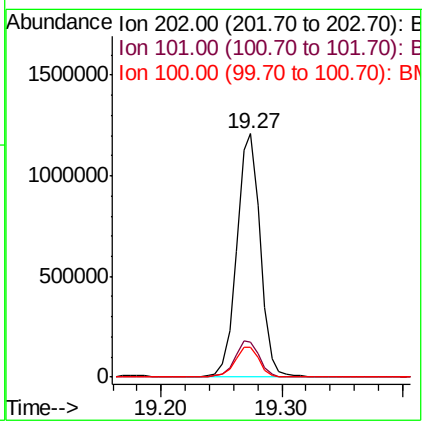
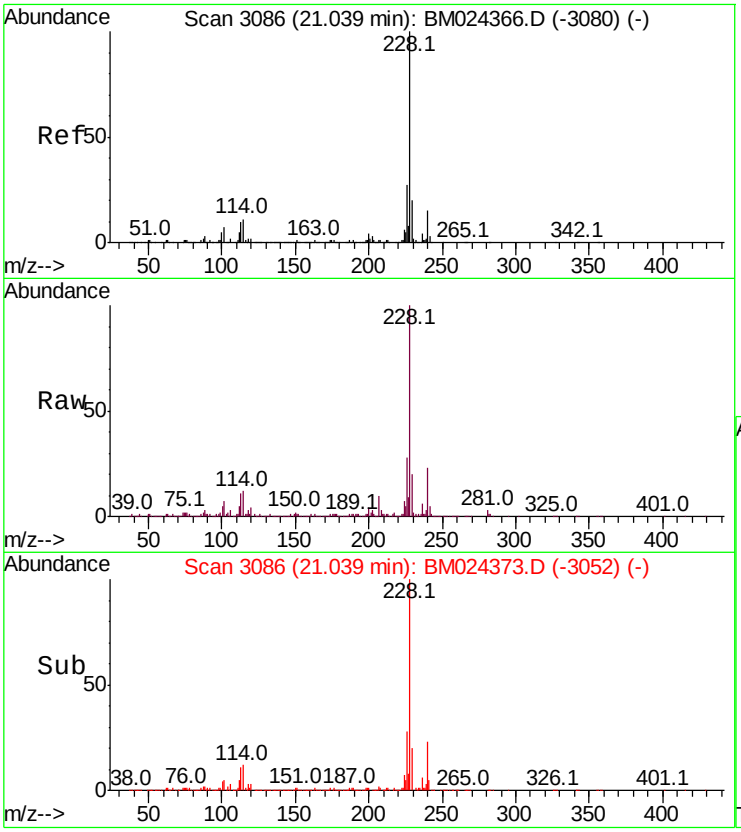


#80
Pyrene
Concen: 25.887 ng/ul
RT: 19.27 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:202 Resp: 1632205

Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.2	18.4
100	12.3	10.0	15.0

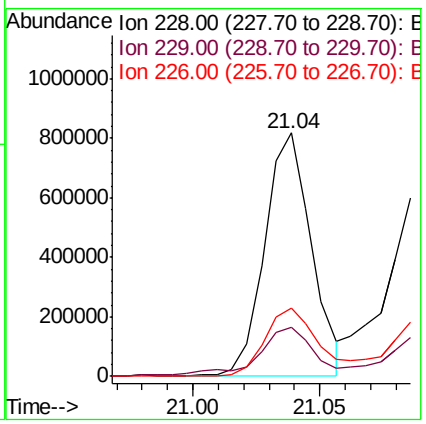




#83
Benzo(a)anthracene
Concen: 16.983 ng/ul
RT: 21.04 min Scan# 3086
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:228 Resp: 1045026

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	28.3	22.2	33.2



Instrument :
BNA_M
ClientSampleId :
C0C30DL

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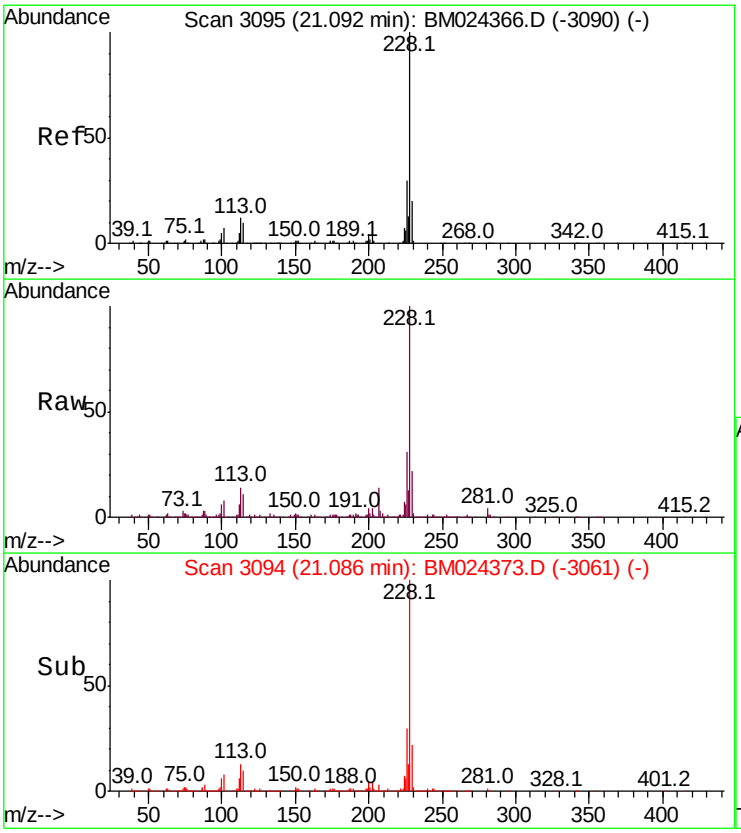
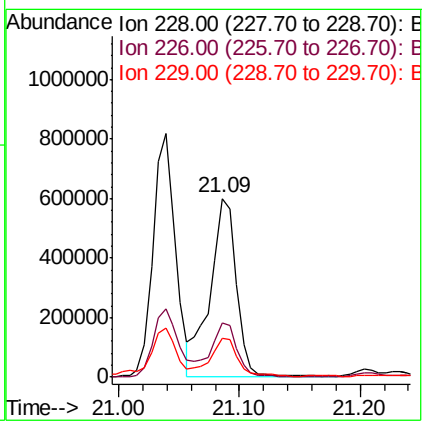
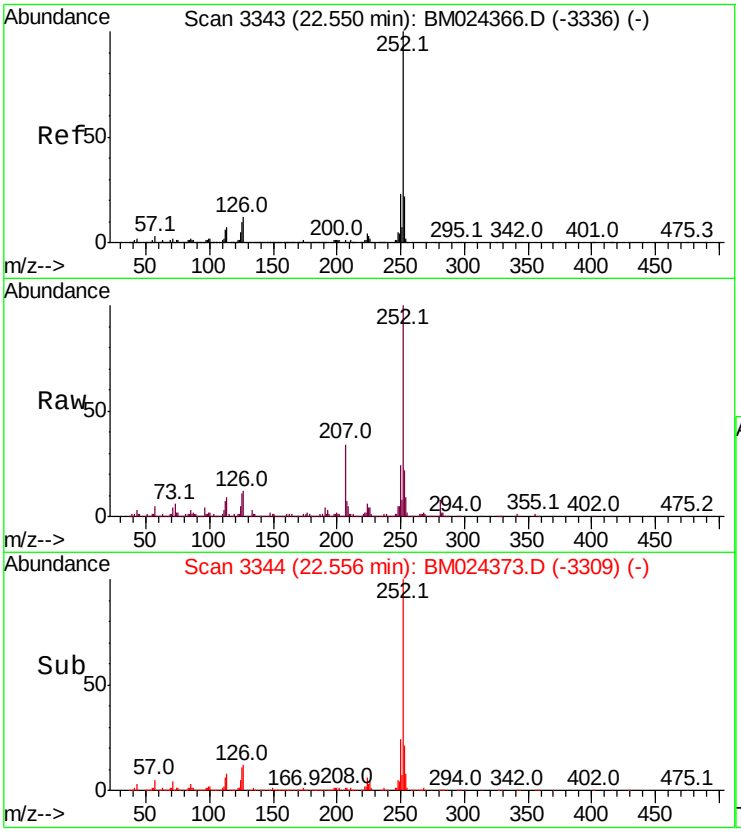


#85
Chrysene
Concen: 14.932 ng/ul
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:228 Resp: 900644

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	22.0	15.4	23.2

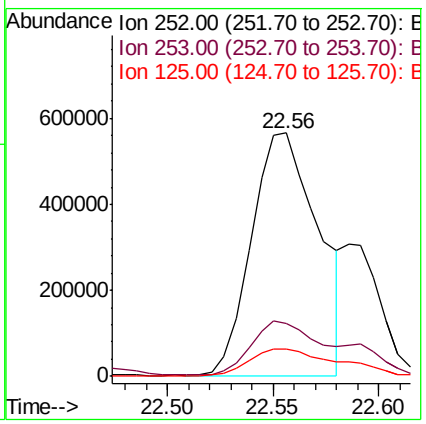




#88
Benzo(b)fluoranthene
Concen: 17.984 ng/ul
RT: 22.56 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:252 Resp: 1241603

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.5	7.8	11.8



Instrument :
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ClientSampleId :
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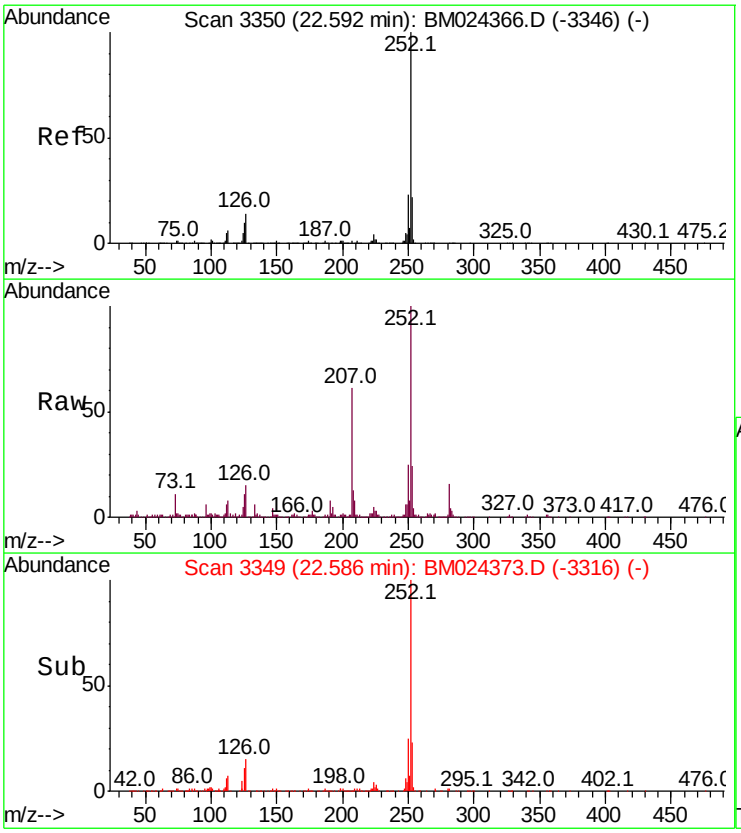
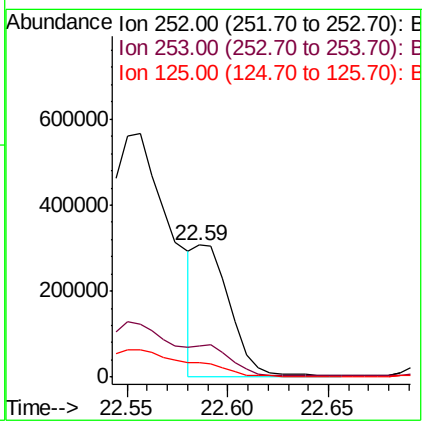
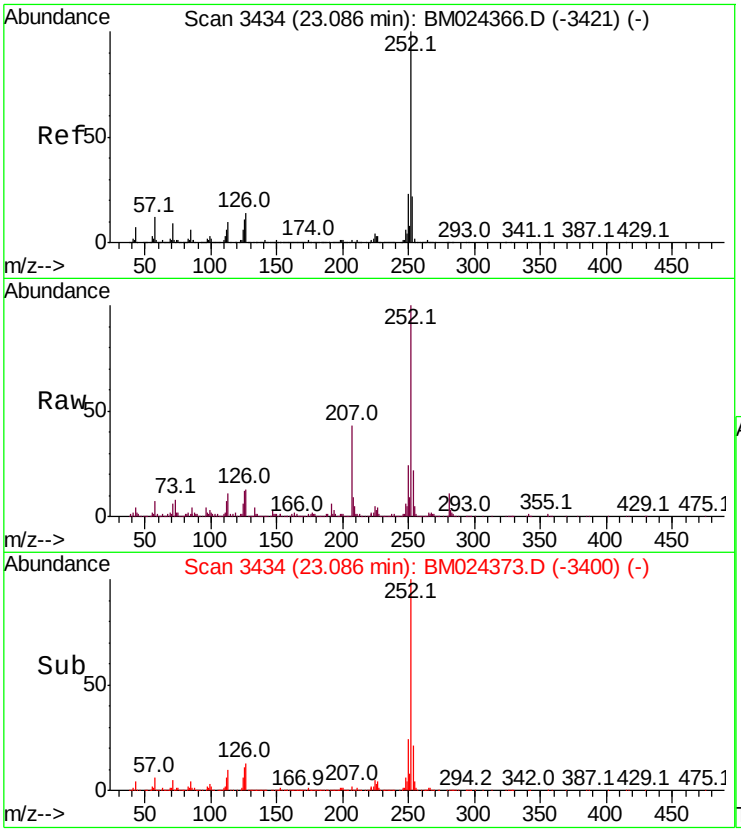


#89
Benzo(k)fluoranthene
Concen: 5.669 ng/ul m
RT: 22.59 min Scan# 3349
Delta R.T. -0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:252 Resp: 384041

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.3	7.9	11.9

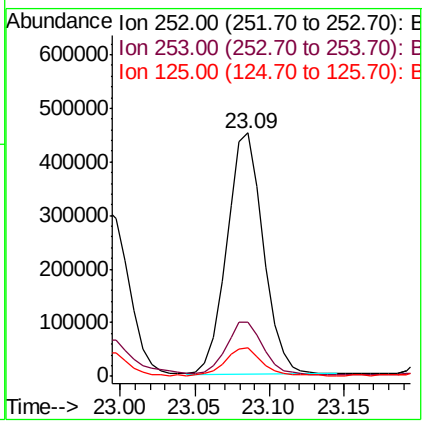




#91
Benzo(a)pyrene
Concen: 12.250 ng/ul
RT: 23.09 min Scan# 3434
Delta R.T. 0.00 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:252 Resp: 765096

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.6	8.2	12.4



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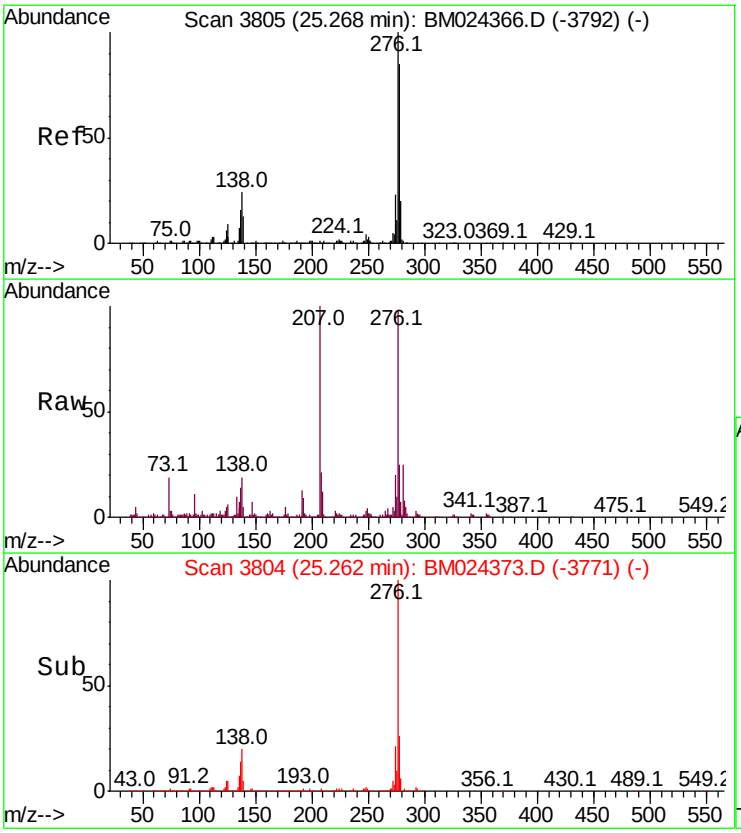
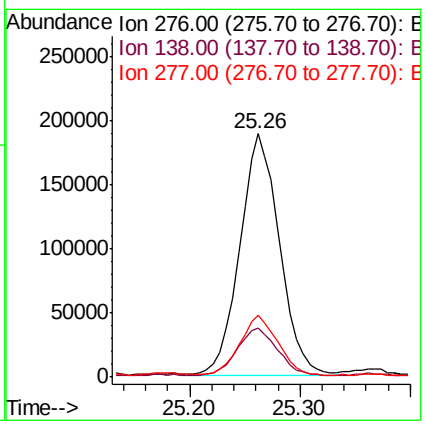
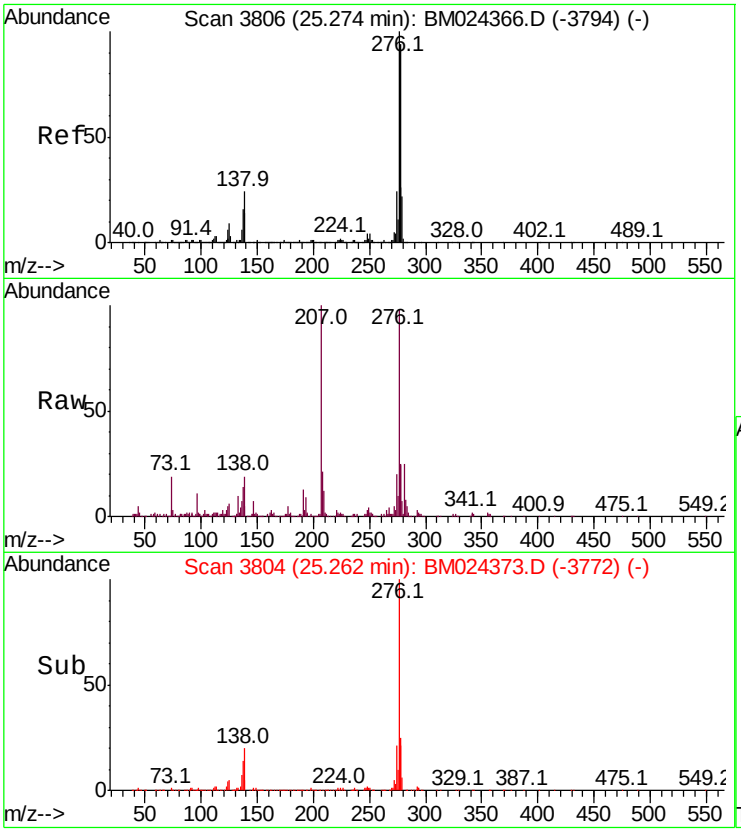


#92
Indeno(1,2,3-cd)pyrene
Concen: 6.349 ng/ul
RT: 25.26 min Scan# 3804
Delta R.T. -0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:276 Resp: 476133

Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.3	27.5
277	25.5	20.2	30.2

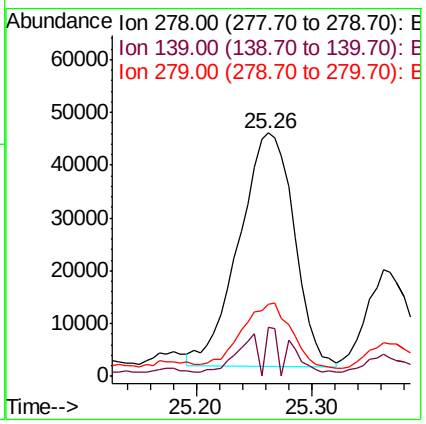




#93
Dibenzo(a,h)anthracene
Concen: 2.327 ng/ul
RT: 25.26 min Scan# 3804
Delta R.T. -0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:278 Resp: 146318

Ion	Ratio	Lower	Upper
278	100		
139	20.0	11.5	17.3#
279	29.6	18.9	28.3#



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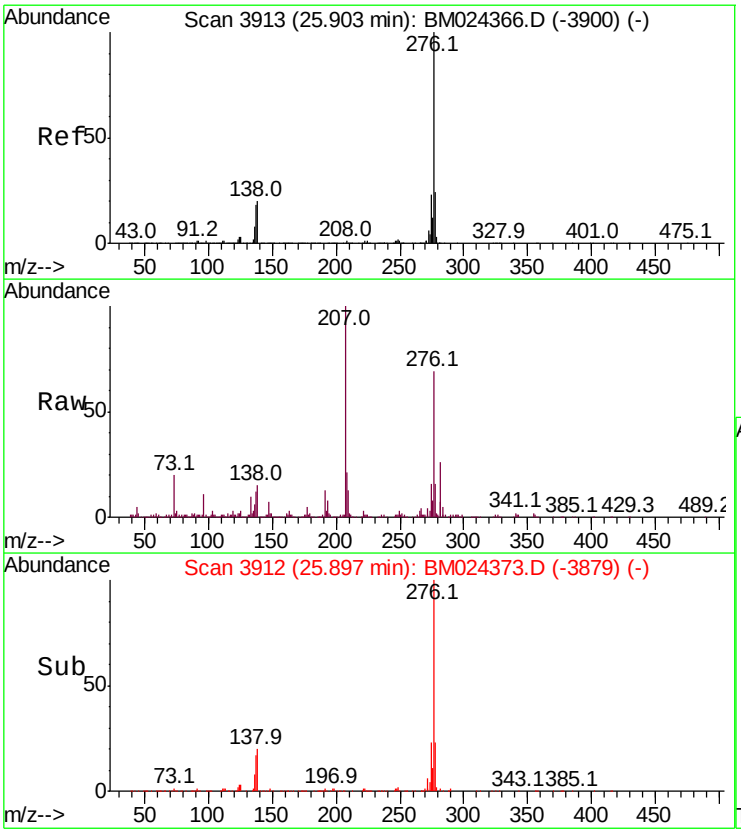

#94
Benzo(g,h,i)perylene
Concen: 6.369 ng/ul
RT: 25.90 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM024373.D
Acq: 30 Dec 2019 15:10

Tgt Ion:276 Resp: 390020

Ion	Ratio	Lower	Upper
276	100		
138	21.1	15.3	22.9
277	23.7	19.3	28.9