Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121119\
Data File : BM024040.D
Acq On : 11 Dec 2019 19:04
Operator : JU
Sample : K6088-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BM8

Manual Integrations APPROVED
mohammad
12/12/2019 11:25:52 AM

Quant Time: Dec 12 10:48:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 07 04:26:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	402583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	1724802	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	1099557	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	2283782	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	1739739	20.00	ng/ul	0.00
86) Perylene-d12	23.23	264	1858747	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	24943	2.76	ng/uL	0.00
5) Phenol-d5	6.67	99	531215	15.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	346543	16.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	419549	15.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.19	113	429114	15.41	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	207389	15.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	223180	14.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	429576	14.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.40	131	420166	13.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.56	166	1546905	18.11	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1756730	17.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	141904	9.88	ng/ul	0.00
58) Fluorene-d10	15.13	176	1375837	19.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	181072	12.63	ng/ul	0.00
71) Anthracene-d10	16.99	188	2087536	19.14	ng/ul	0.00
79) Pyrene-d10	19.29	212	2123746	23.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.10	264	1901895	19.36	ng/ul	-0.01
Target Compounds						Qvalue
6) Phenol	6.69	94	59824	1.648	ng/ul	94
28) Naphthalene	10.29	128	162879	1.791	ng/ul	98
34) 2-Methylnaphthalene	11.92	142	220236	3.336	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.30	216	57989	1.691	ng/ul	98
45) Dimethylphthalate	13.60	163	456236	5.455	ng/ul	100
70) Phenanthrene	16.93	178	574602	4.454	ng/ul	100
77) Fluoranthene	18.96	202	608295	4.397	ng/ul	99
80) Pyrene	19.32	202	738144	6.297	ng/ul	100
83) Benzo(a)anthracene	21.08	228	586307	5.042	ng/ul	96
85) Chrysene	21.13	228	873340m	7.998	ng/ul	
88) Benzo(b)fluoranthene	22.60	252	580213	5.048	ng/ul#	94
89) Benzo(k)fluoranthene	22.64	252	143985m	1.320	ng/ul	
91) Benzo(a)pyrene	23.14	252	422543	3.888	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.35	276	221743	1.643	ng/ul	96
93) Dibenzo(a,h)anthracene	25.36	278	169888	1.499	ng/ul#	77
94) Benzo(g,h,i)perylene	25.99	276	279276	2.471	ng/ul	99

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

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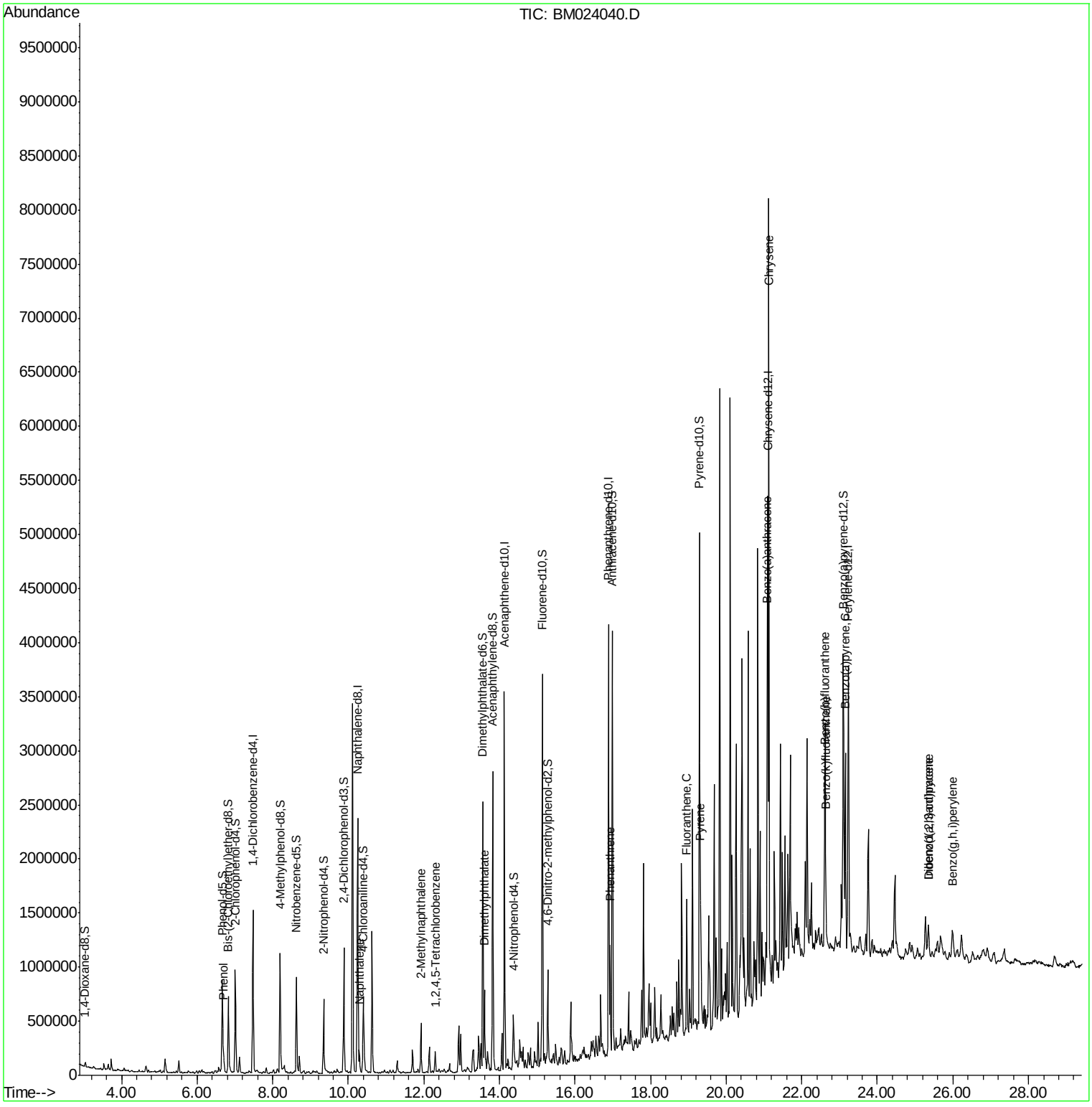
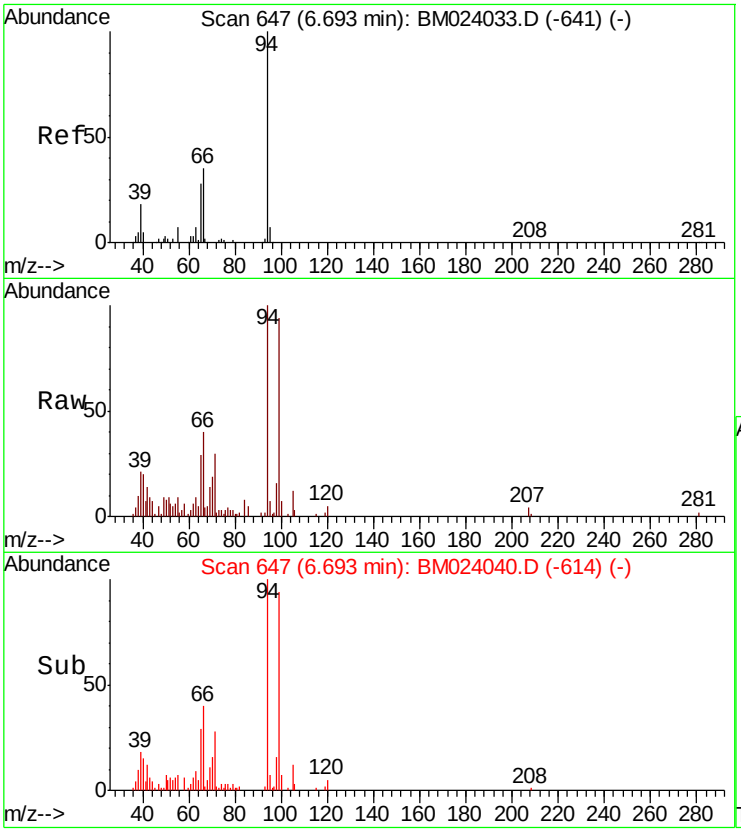
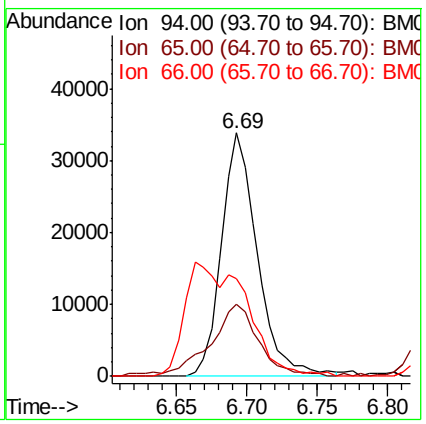




#6
Phenol
Concen: 1.648 ng/ul
RT: 6.69 min Scan# 647
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion: 94 Resp: 59824

Ion	Ratio	Lower	Upper
94	100		
65	29.4	21.7	32.5
66	40.2	28.8	43.2



Instrument :
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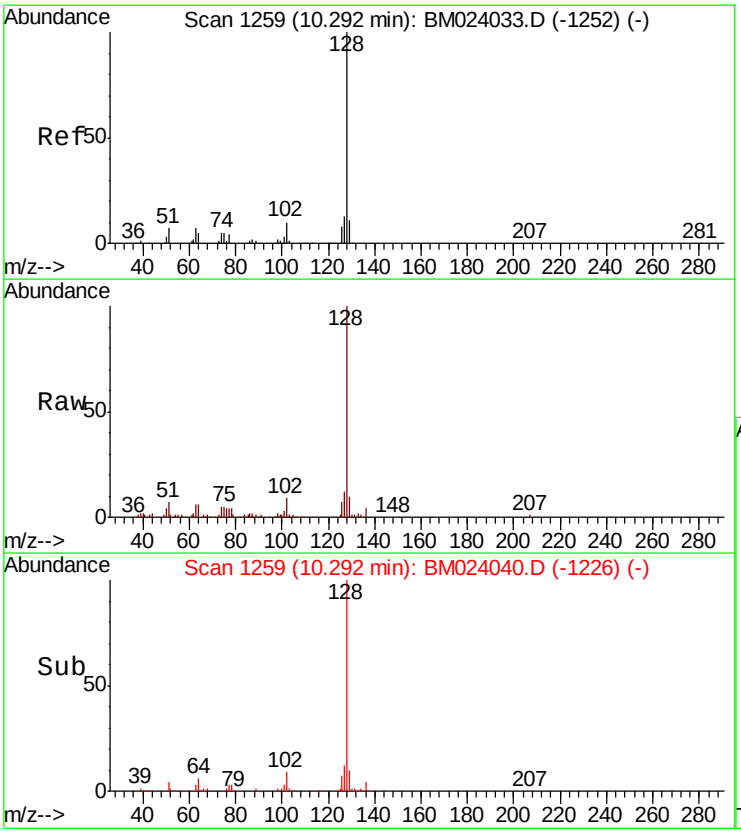
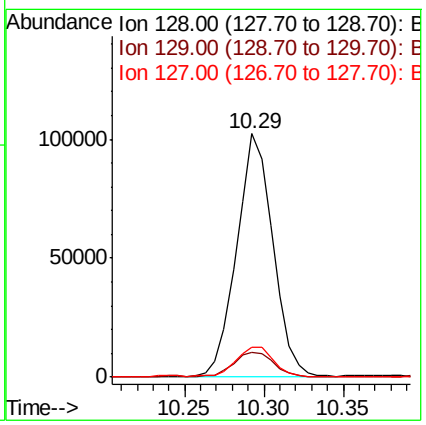
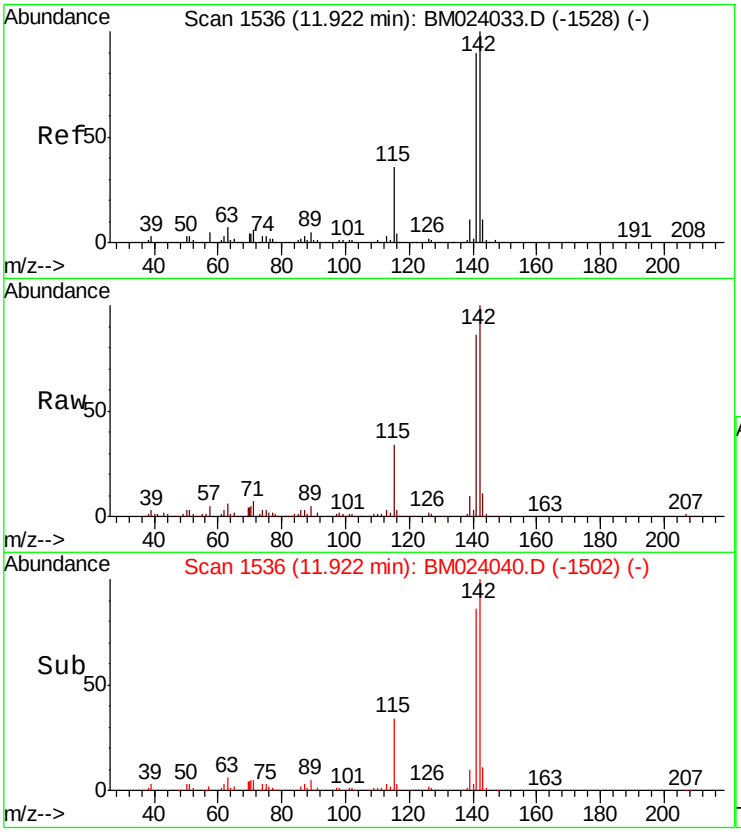


#28
Naphthalene
Concen: 1.791 ng/ul
RT: 10.29 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:128 Resp: 162879

Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	12.5	10.5	15.7





#34
2-Methylnaphthalene
Concen: 3.336 ng/ul
RT: 11.92 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:142 Resp: 220236

Ion	Ratio	Lower	Upper
142	100		
141	86.2	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
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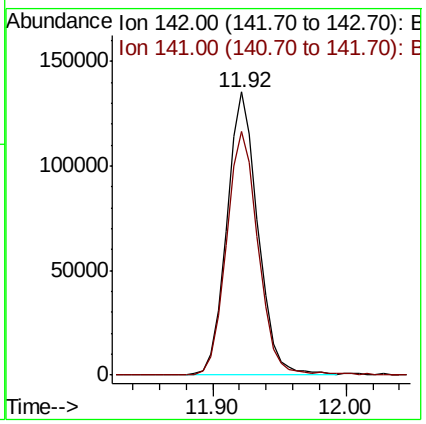
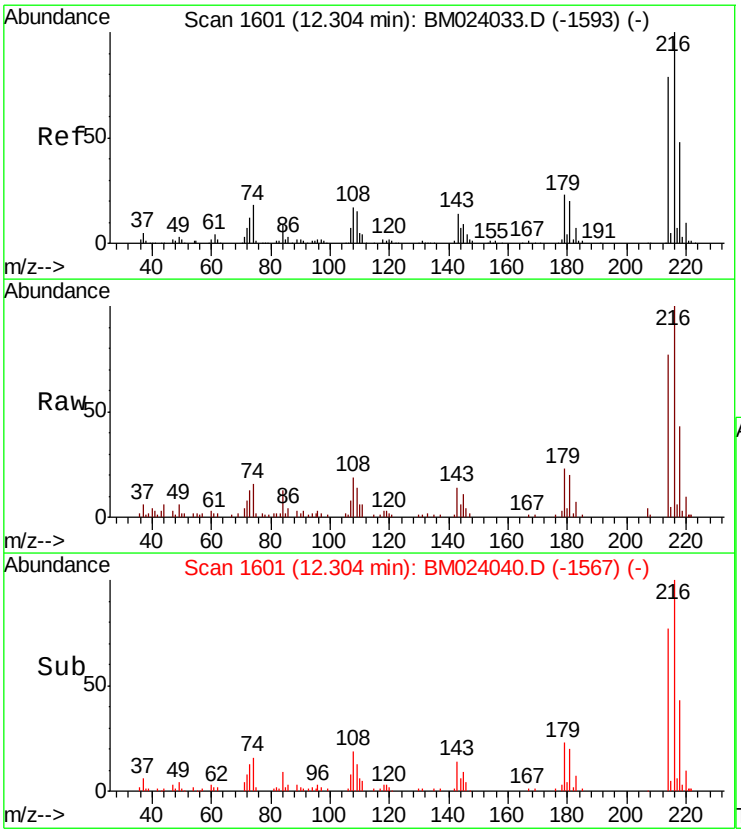
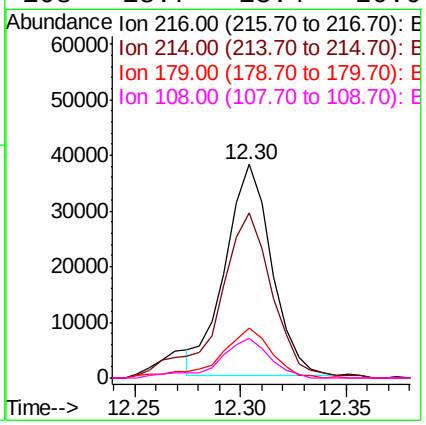


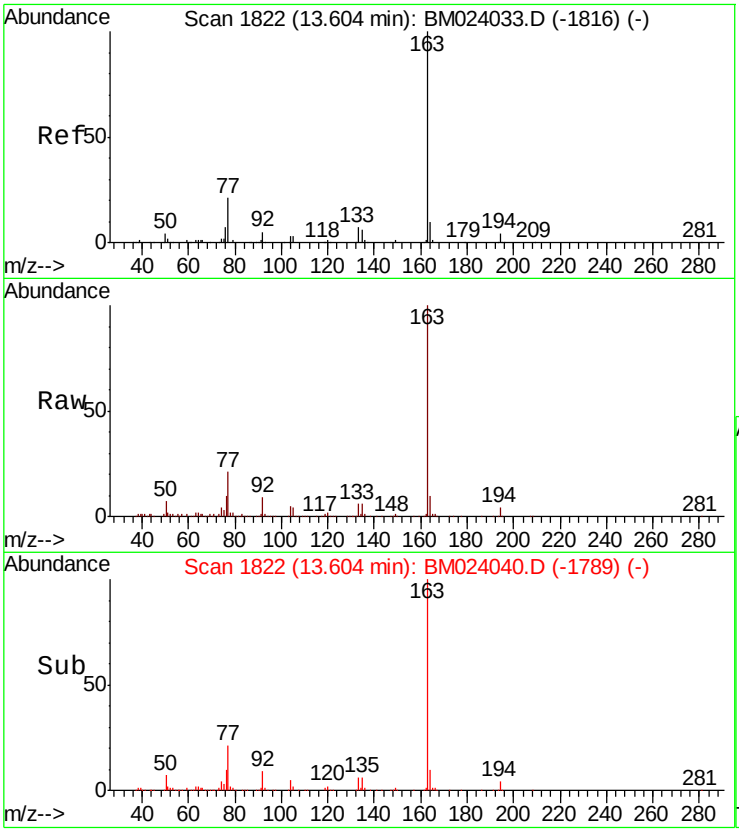


#37
1,2,4,5-Tetrachlorobenzene
Concen: 1.691 ng/ul
RT: 12.30 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:216 Resp: 57989

Ion	Ratio	Lower	Upper
216	100		
214	77.3	63.0	94.6
179	23.4	18.1	27.1
108	18.7	13.4	20.0

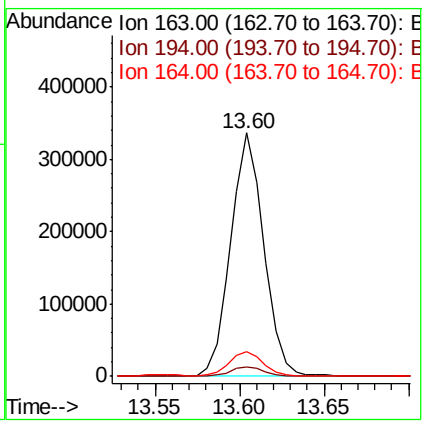




#45
Dimethylphthalate
Concen: 5.455 ng/ul
RT: 13.60 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:163 Resp: 456236

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	7.9	11.9



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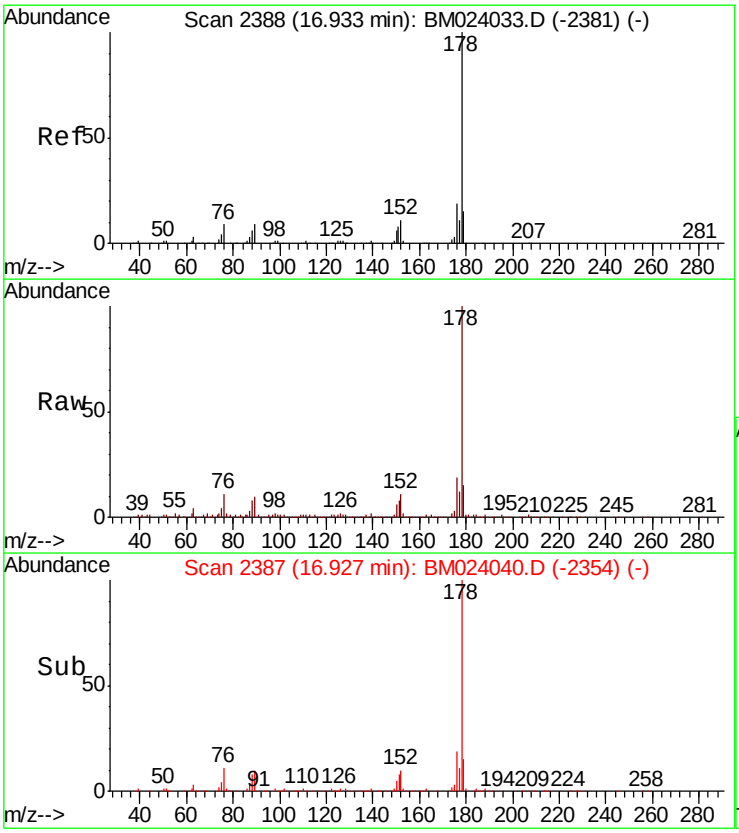
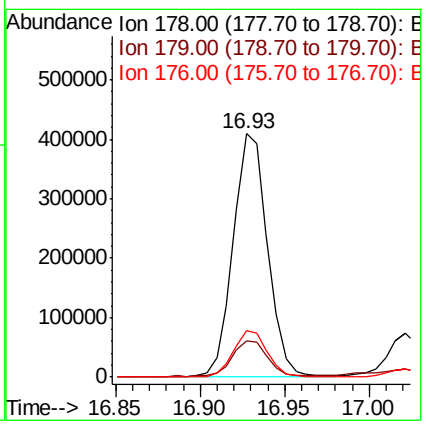
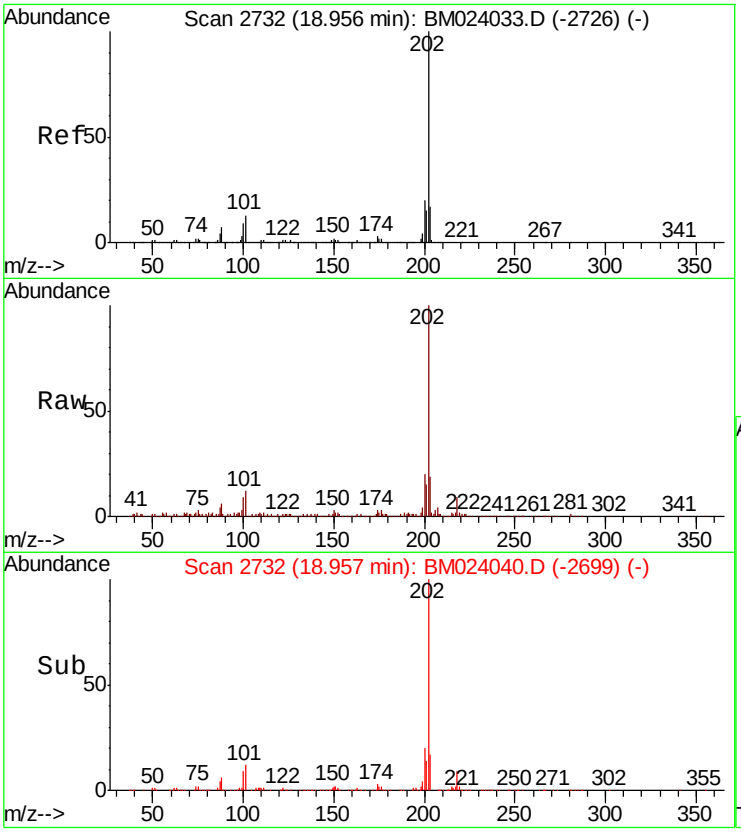


#70
Phenanthrene
Concen: 4.454 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:178 Resp: 574602

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	19.2	15.1	22.7

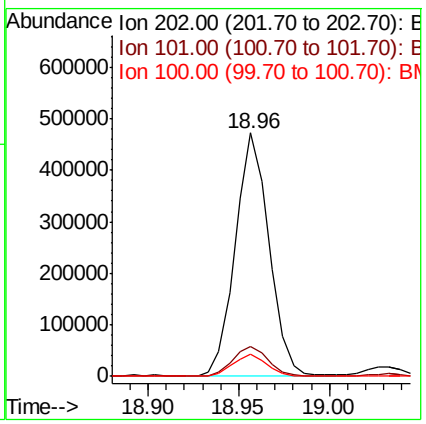




#77
Fluoranthene
Concen: 4.397 ng/ul
RT: 18.96 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:202 Resp: 608295

Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.1	15.1
100	9.2	7.8	11.6



Instrument :
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ClientSampleId :
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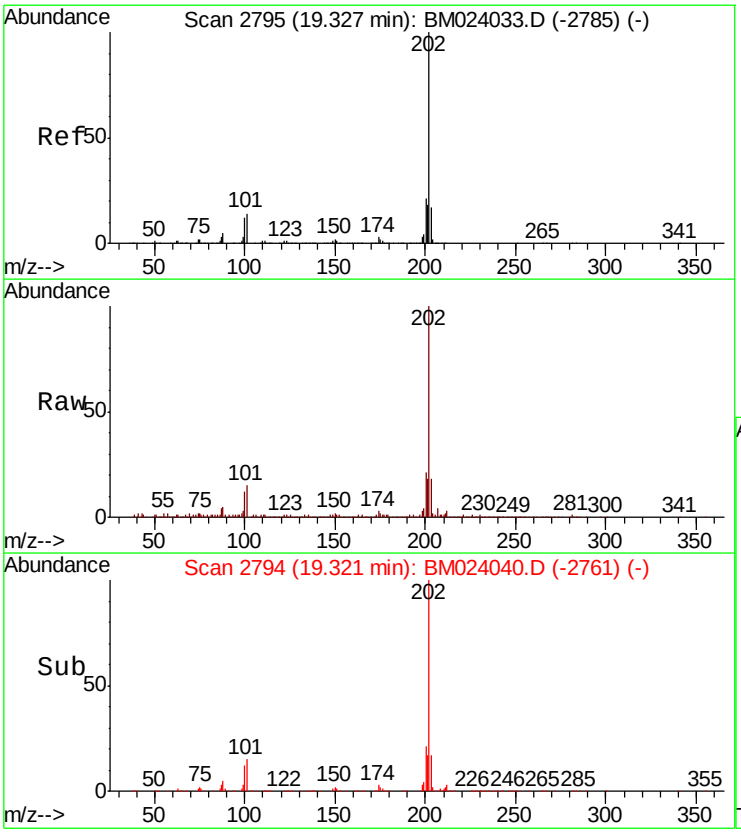
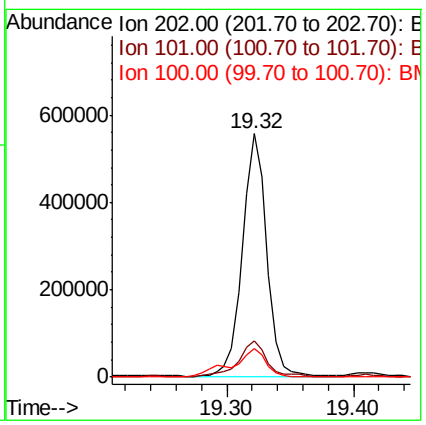
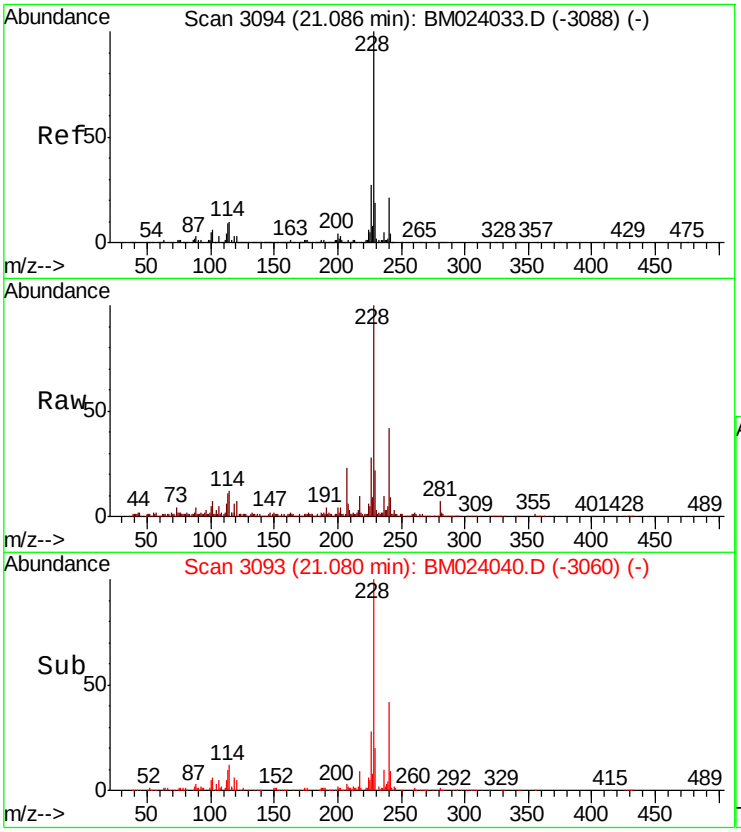


#80
Pyrene
Concen: 6.297 ng/ul
RT: 19.32 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:202 Resp: 738144

Ion	Ratio	Lower	Upper
202	100		
101	14.7	11.8	17.6
100	11.8	9.8	14.6

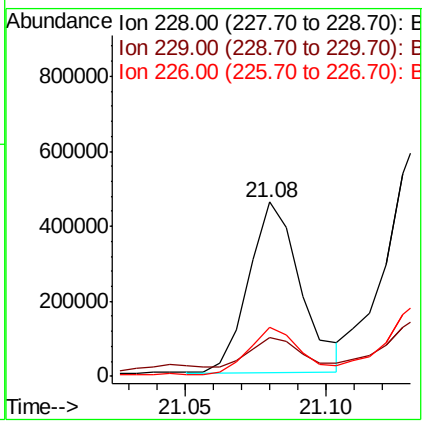




#83
Benzo(a)anthracene
Concen: 5.042 ng/ul
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:228 Resp: 586307

Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.6	23.4
226	28.2	21.4	32.0



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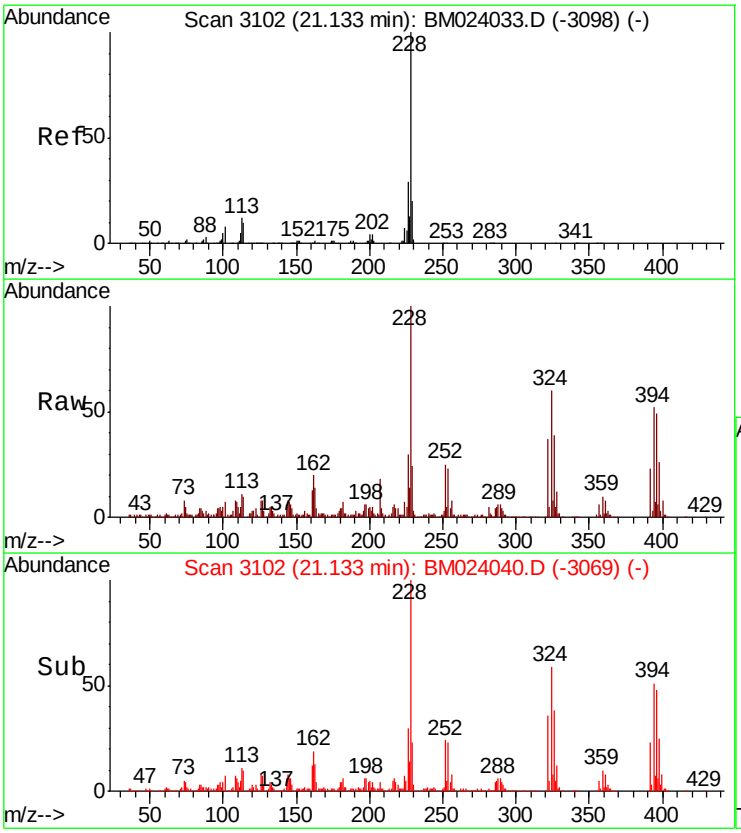
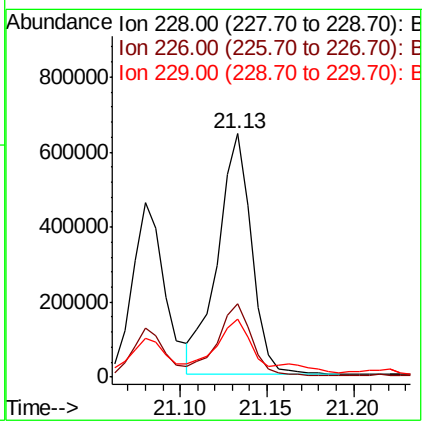
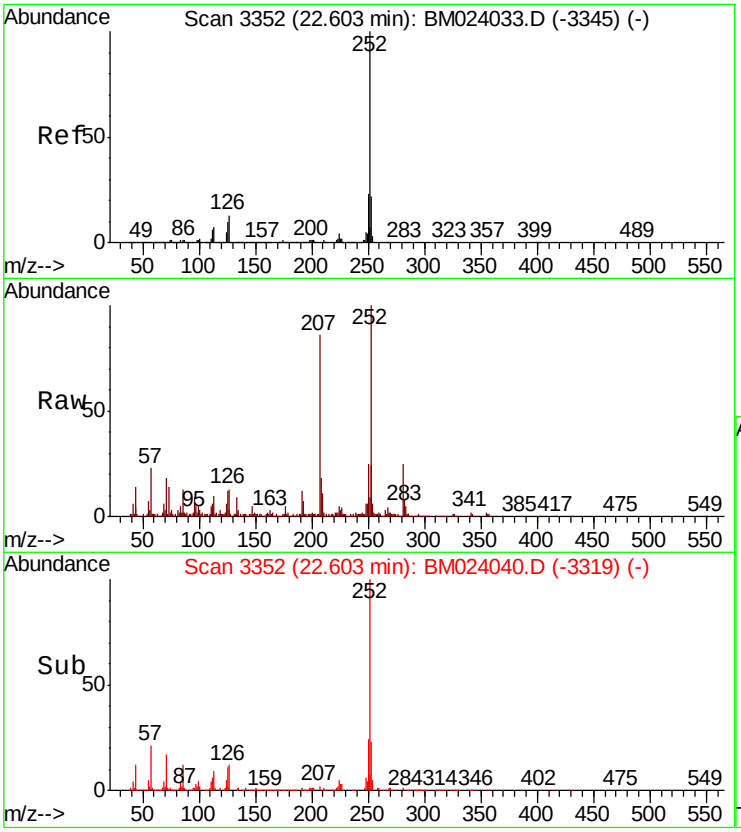


#85
Chrysene
Concen: 7.998 ng/ul m
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:228 Resp: 873340

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	23.9	15.3	22.9#

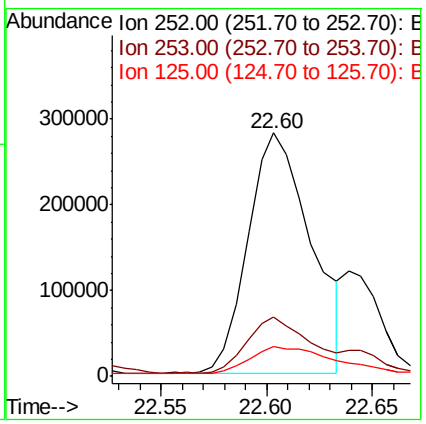




#88
Benzo(b)fluoranthene
Concen: 5.048 ng/ul
RT: 22.60 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:252 Resp: 580213

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	12.2	7.4	11.2#



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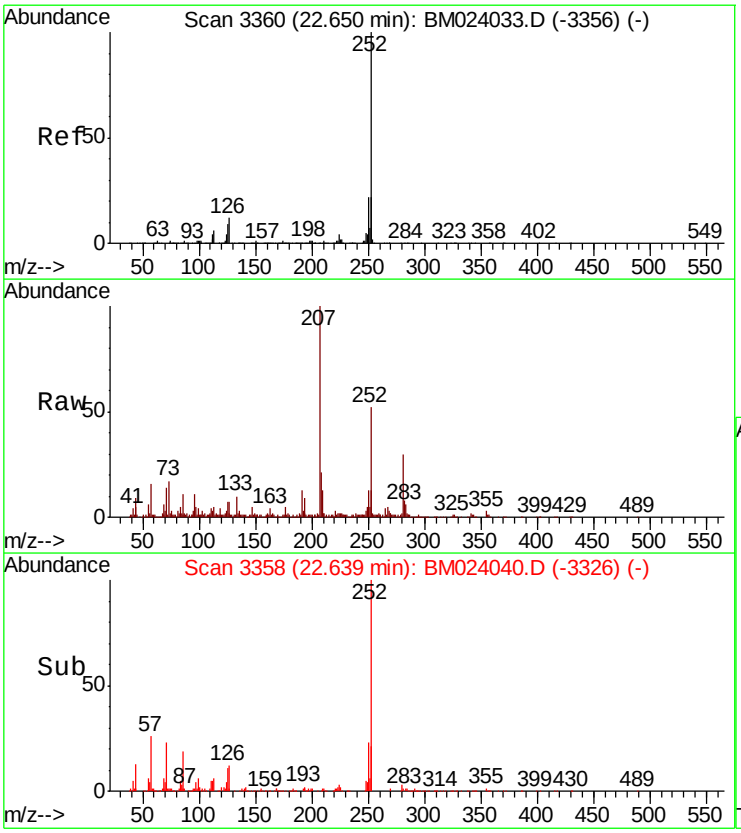
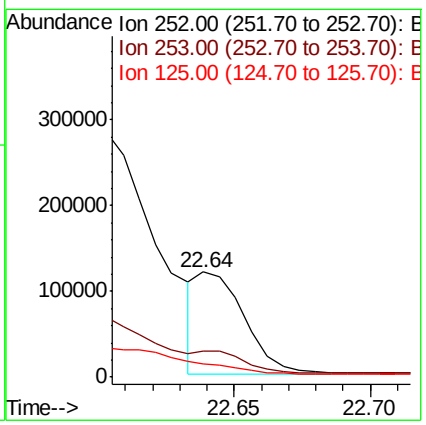
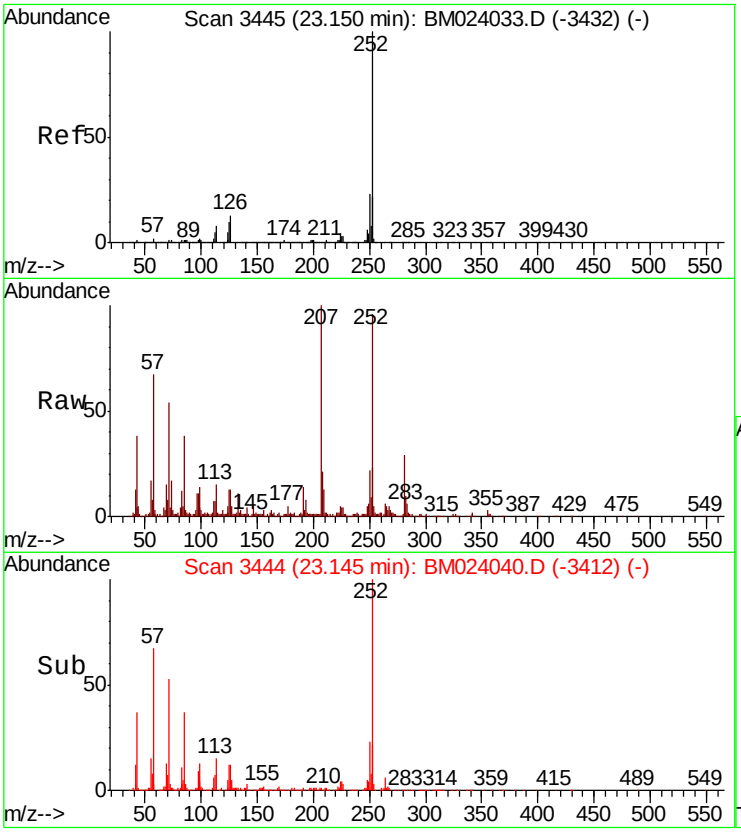


#89
Benzo(k)fluoranthene
Concen: 1.320 ng/ul m
RT: 22.64 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:252 Resp: 143985

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	13.1	7.0	10.4#

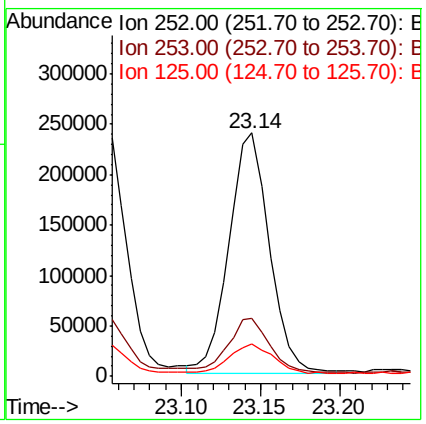




#91
Benzo(a)pyrene
Concen: 3.888 ng/ul
RT: 23.14 min Scan# 3444
Delta R.T. -0.01 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:252 Resp: 422543

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.1	7.8	11.6#



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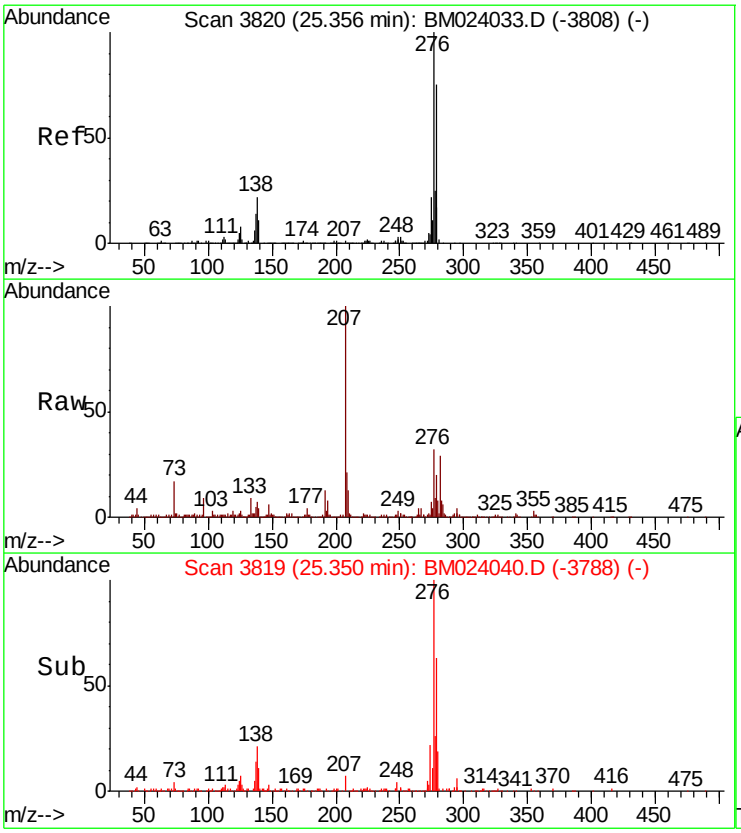
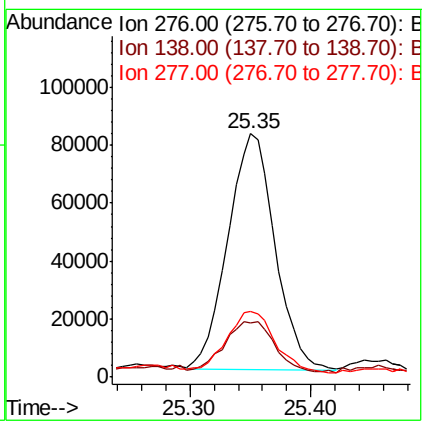
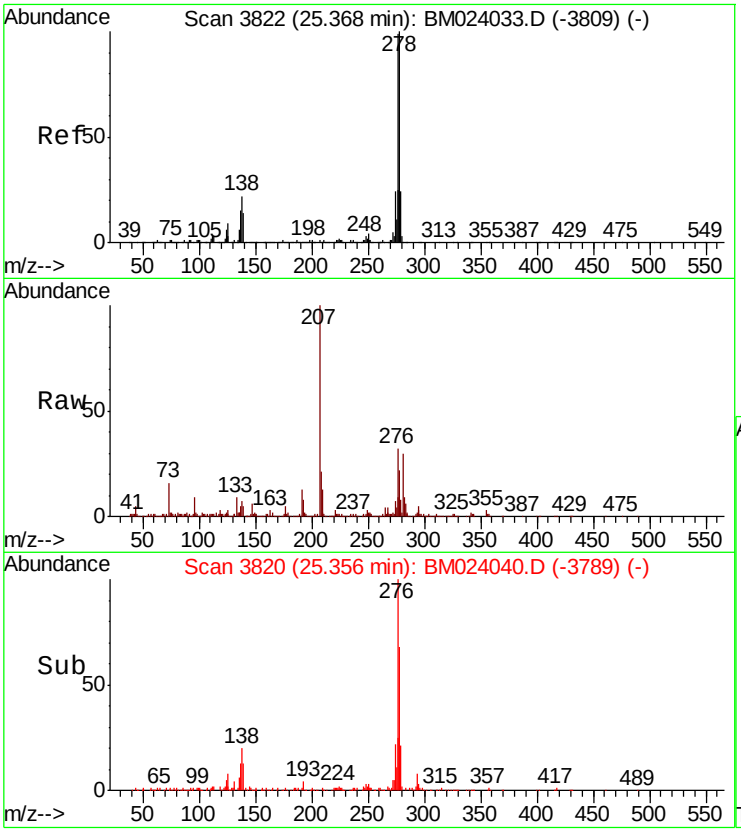


#92
Indeno(1,2,3-cd)pyrene
Concen: 1.643 ng/ul
RT: 25.35 min Scan# 3819
Delta R.T. -0.02 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:276 Resp: 221743

Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.0	25.6
277	27.2	19.8	29.8





#93
Dibenzo(a,h)anthracene
Concen: 1.499 ng/ul
RT: 25.36 min Scan# 3820
Delta R.T. -0.02 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:278 Resp: 169888

Ion	Ratio	Lower	Upper
278	100		
139	20.9	11.6	17.4#
279	37.2	19.1	28.7#

Instrument :
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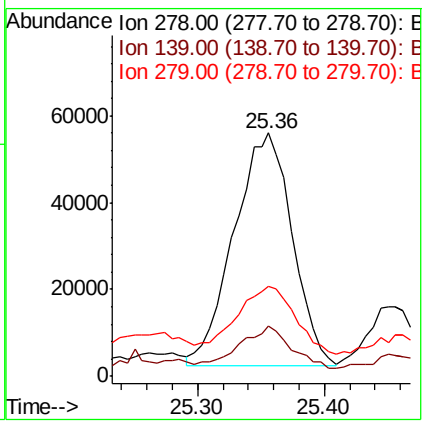
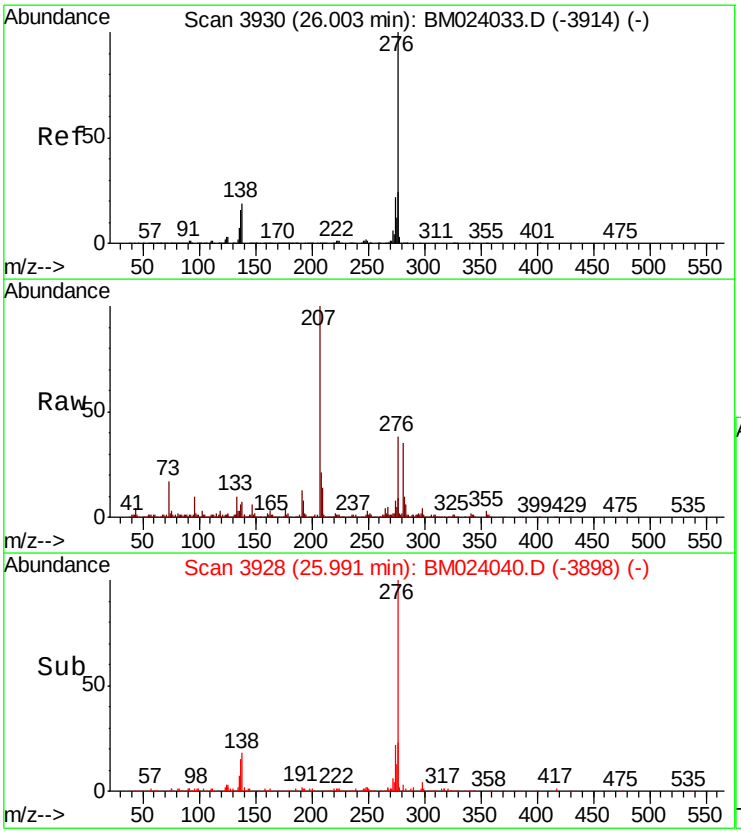
12/12/2019 11:25:52 AM





#94
Benzo(g,h,i)perylene
Concen: 2.471 ng/ul
RT: 25.99 min Scan# 3928
Delta R.T. -0.02 min
Lab File: BM024040.D
Acq: 11 Dec 2019 19:04

Tgt Ion:276 Resp: 279276

Ion	Ratio	Lower	Upper
276	100		
138	18.8	14.9	22.3
277	24.5	19.1	28.7