Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
Data File : BM026977.D
Acq On : 03 Aug 2020 12:44
Operator : JU/CG
Sample : L3424-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S60

Quant Time: Aug 03 13:25:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	63458	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	244087	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	157842	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	344091	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	377065	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	380420	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	4723	3.40	ng/uL	0.00
5) Phenol-d5	6.84	99	119253	21.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	84259	22.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	88776	21.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	92906	21.72	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	44436	23.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	44396	25.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	96499	23.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	120432	24.31	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	368535	29.77	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	414943	26.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	61850	29.55	ng/ul	0.00
58) Fluorene-d10	15.29	176	312667	29.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	50728	33.07	ng/ul	0.00
71) Anthracene-d10	17.13	188	547775	31.85	ng/ul	0.00
79) Pyrene-d10	19.43	212	637019	31.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	709117	33.03	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	12800	7.404	ng/uL#	93
12) 2,2'-oxybis(1-Chloropropan	8.19	45	59450	14.261	ng/ul	98
20) Nitrobenzene	8.84	77	106950	17.388	ng/ul	98
23) 2-Nitrophenol	9.55	139	46263	23.301	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.85	93	79258	13.119	ng/ul	99
27) 2,4-Dichlorophenol	10.08	162	63510	15.692	ng/ul	95
28) Naphthalene	10.48	128	128019	9.388	ng/ul	99
33) 4-Chloro-3-methylphenol	11.72	107	244789	54.244	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	230895	23.950	ng/ul	99
38) Hexachlorocyclopentadiene	12.47	237	79063	21.613	ng/ul	99
39) 2,4,6-Trichlorophenol	12.72	196	51227	16.570	ng/ul	98
42) 2-Chloronaphthalene	13.16	162	182573	17.202	ng/ul	99
46) 2,6-Dinitrotoluene	13.86	165	28982	12.656	ng/ul	90
48) Acenaphthylene	14.01	152	217398	13.585	ng/ul	99
50) Acenaphthene	14.36	153	132721	12.038	ng/ul	97
55) 2,4-Dinitrotoluene	14.65	165	111841	33.991	ng/ul	98
56) 2,3,4,6-Tetrachlorophenol	14.92	232	111077	42.862	ng/ul	100
59) Fluorene	15.34	166	156346	12.149	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.34	204	132239	20.647	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.42	198	186432	106.961	ng/ul#	99
66) 4-Bromophenyl-phenylether	16.24	248	105618	26.165	ng/ul	93
67) Hexachlorobenzene	16.35	284	127268	27.802	ng/ul	98
70) Phenanthrene	17.08	178	295273	14.137	ng/ul	100

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Sample : L3424-01
Misc :
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Instrument : BNA_M
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Quant Time: Aug 03 13:25:23 2020
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
72) Anthracene	17.17	178	345579	16.097 ng/ul	98
77) Fluoranthene	19.09	202	897122	36.377 ng/ul	98
80) Pyrene	19.45	202	364194	13.276 ng/ul	98
83) Benzo(a)anthracene	21.21	228	372043	14.315 ng/ul	100
85) Chrysene	21.26	228	339978	13.414 ng/ul	99
88) Benzo(b)fluoranthene	22.77	252	1231901	45.268 ng/ul	99
89) Benzo(k)fluoranthene	22.82	252	334802	12.821 ng/ul	99
91) Benzo(a)pyrene	23.34	252	268047	10.916 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.63	276	434007	14.247 ng/ul	99
93) Dibenzo(a,h)anthracene	25.65	278	439826	17.071 ng/ul	99
94) Benzo(g,h,i)perylene	26.31	276	382739	15.194 ng/ul	98

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

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Instrument :
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Quant Time: Aug 03 13:25:23 2020
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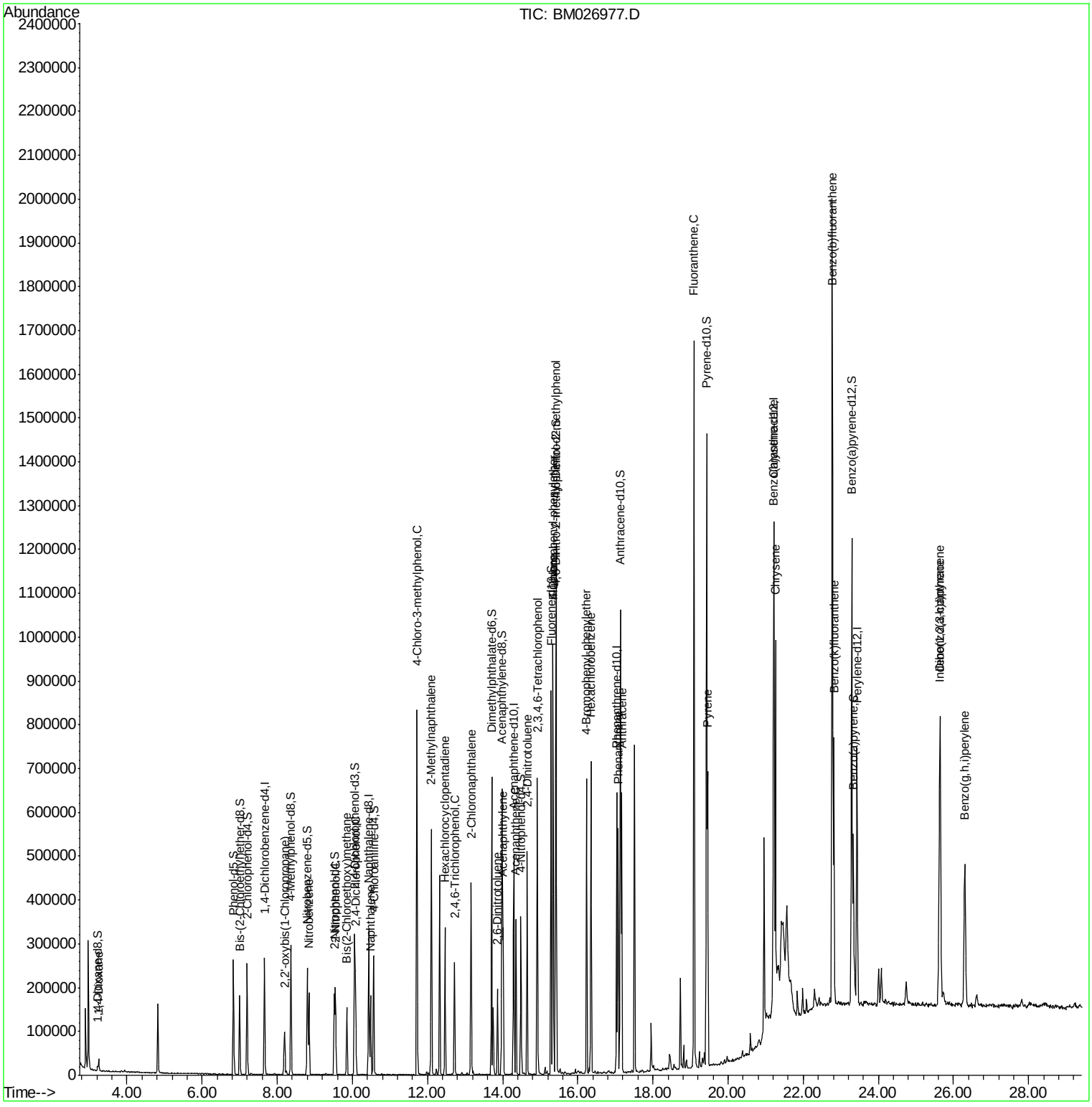
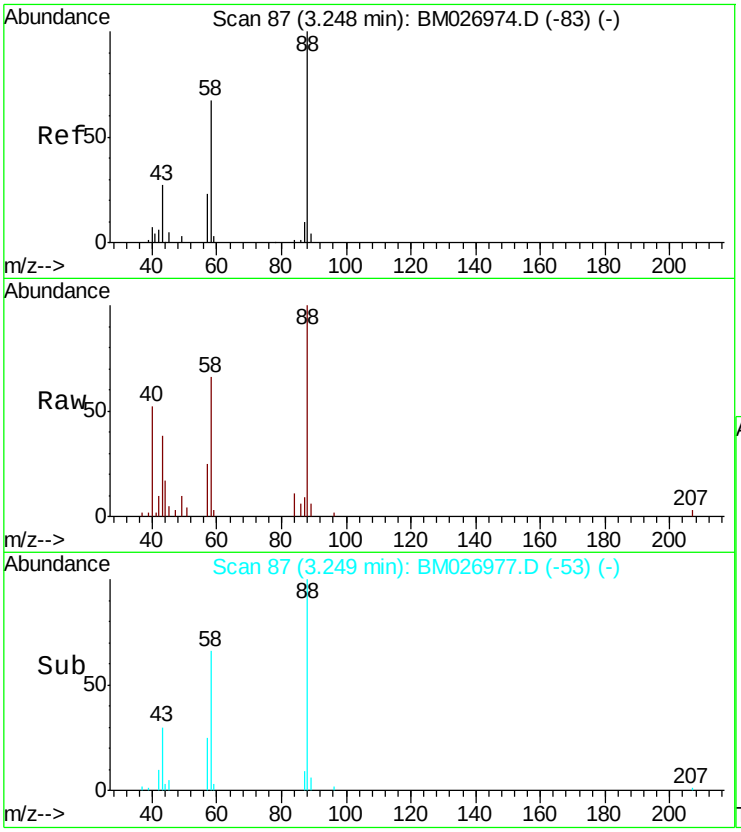
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration



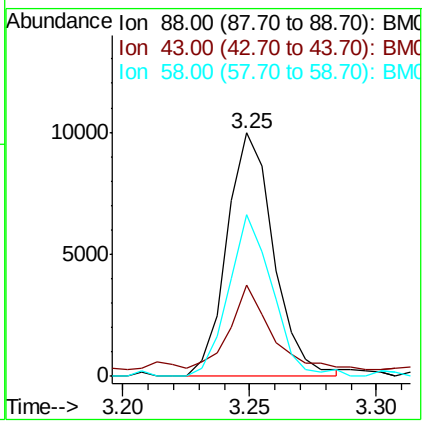


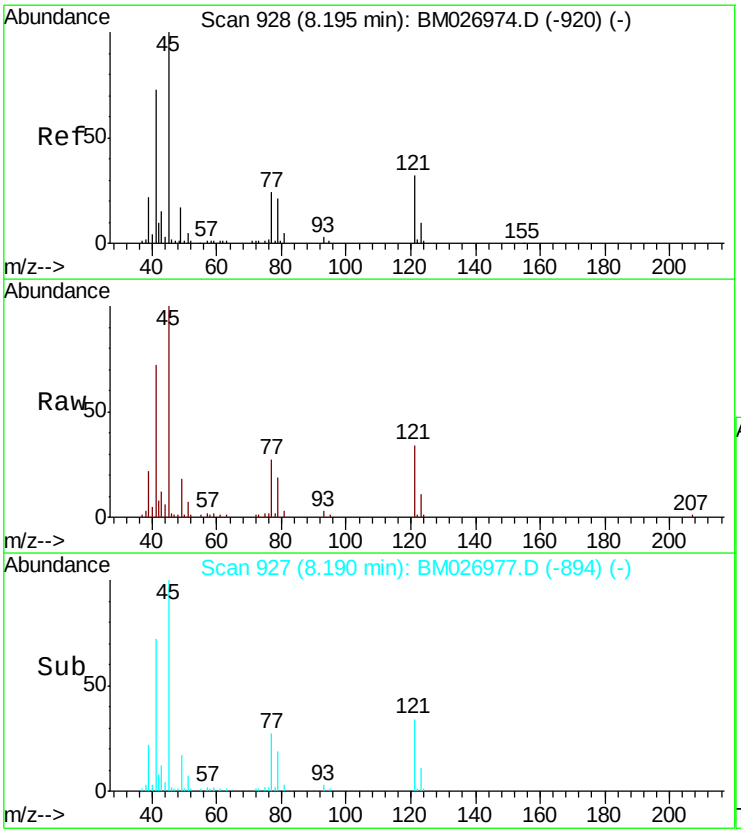
#2
1,4-Dioxane
Concen: 7.404 ng/uL
RT: 3.25 min Scan# 87
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion: 88 Resp: 12800

Ion	Ratio	Lower	Upper
88	100		
43	37.6	24.7	37.1#
58	66.4	50.8	76.2

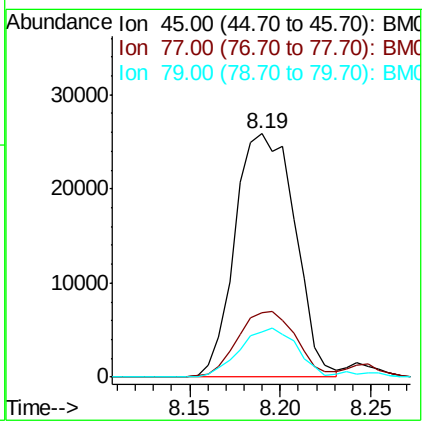


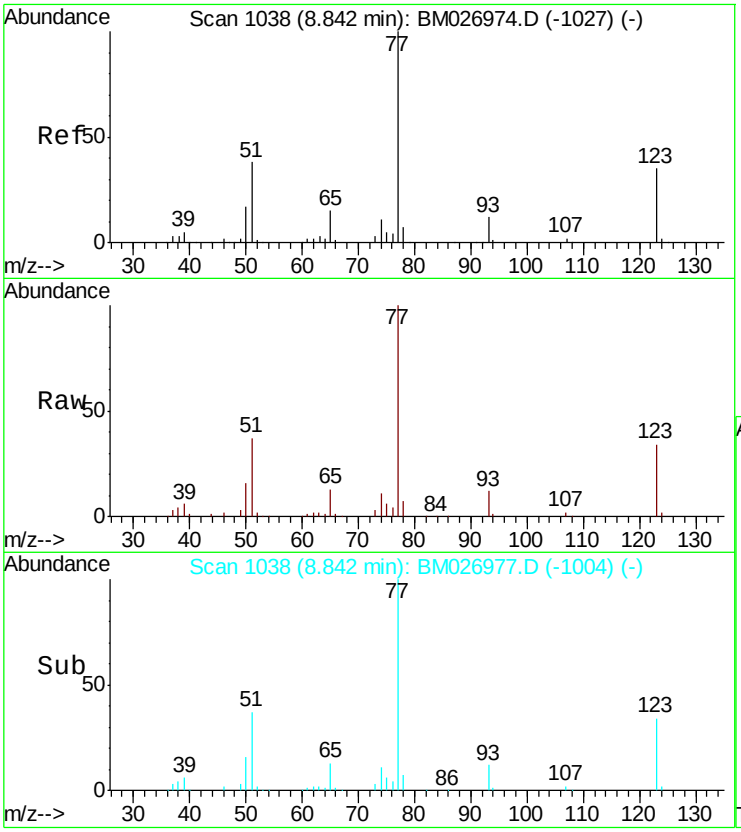


#12
2,2'-oxybis(1-Chloropropane)
Concen: 14.261 ng/ul
RT: 8.19 min Scan# 927
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion: 45 Resp: 59450

Ion	Ratio	Lower	Upper
45	100		
77	26.7	19.7	29.5
79	18.6	14.9	22.3



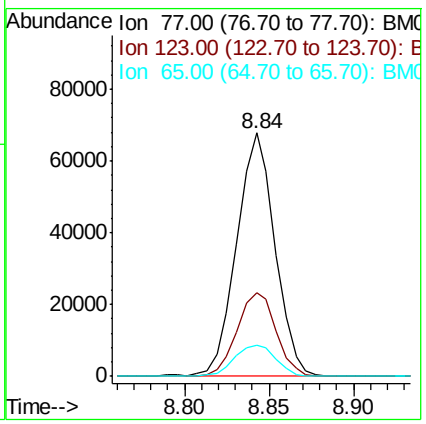


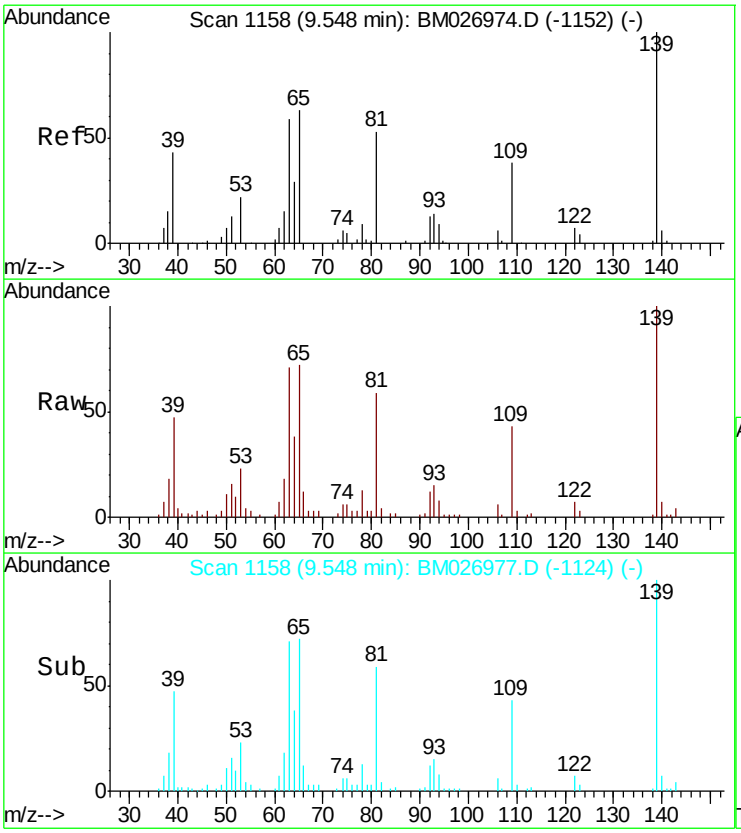
#20
Nitrobenzene
Concen: 17.388 ng/ul
RT: 8.84 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion: 77 Resp: 106950

Ion	Ratio	Lower	Upper
77	100		
123	34.1	28.3	42.5
65	13.0	11.0	16.6

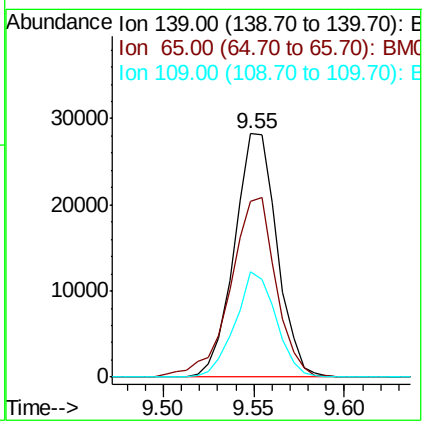


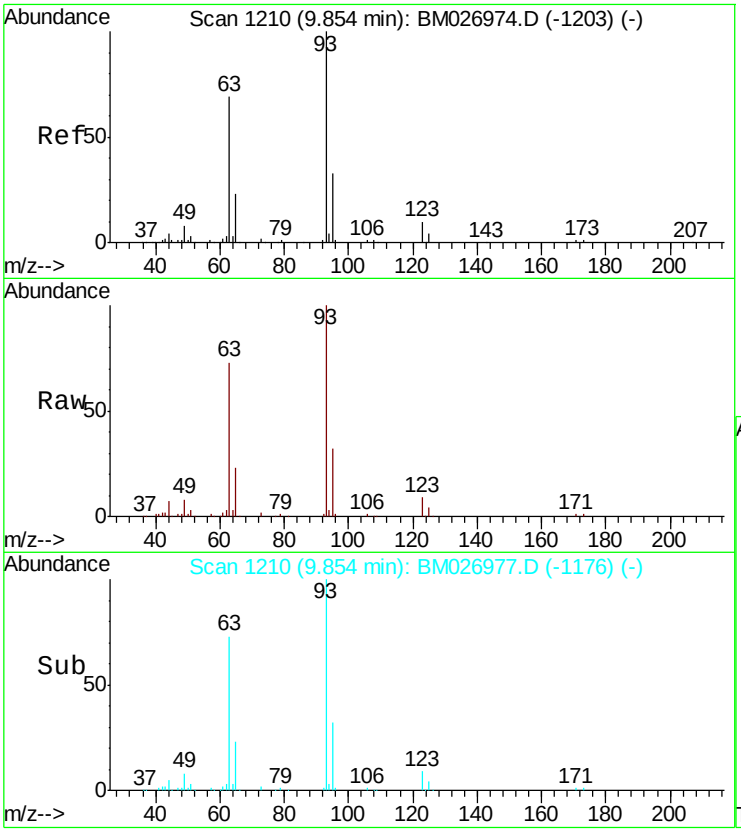


#23
2-Nitrophenol
Concen: 23.301 ng/ul
RT: 9.55 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:139 Resp: 46263

Ion	Ratio	Lower	Upper
139	100		
65	72.1	53.3	79.9
109	43.3	32.6	49.0



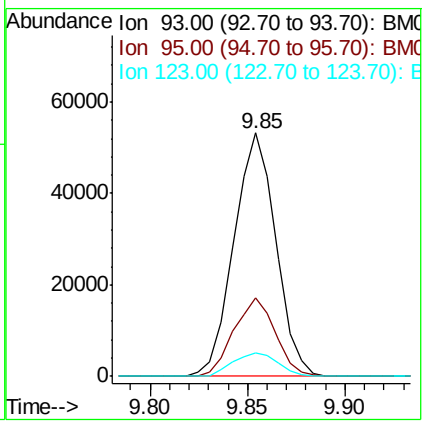


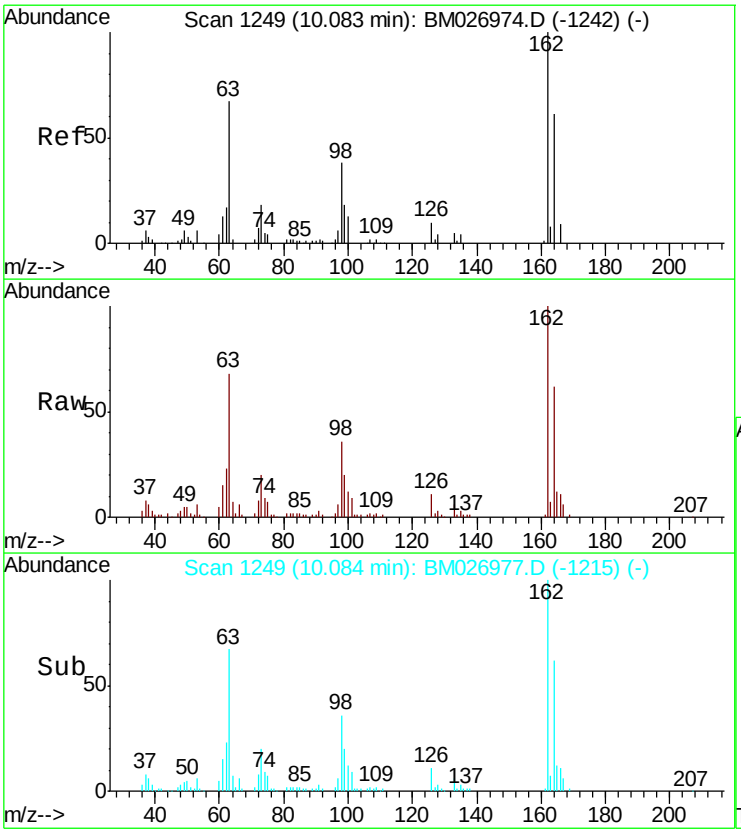
#25
Bis(2-Chloroethoxy)methane
Concen: 13.119 ng/ul
RT: 9.85 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion: 93 Resp: 79258

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.7	38.5
123	9.4	7.8	11.8

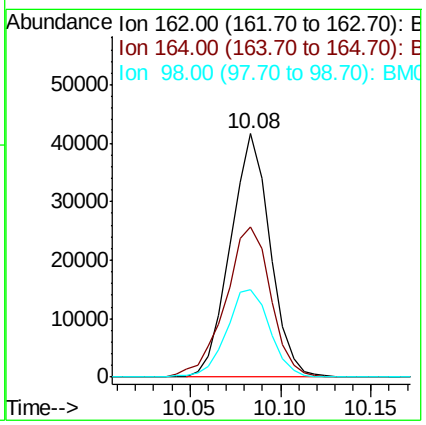


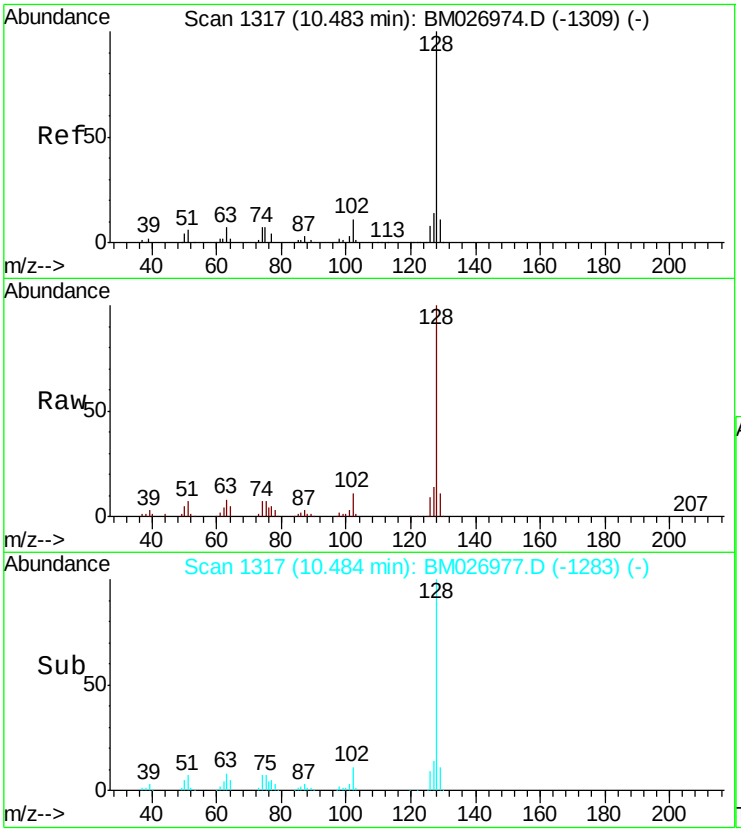


#27
2,4-Dichlorophenol
Concen: 15.692 ng/ul
RT: 10.08 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:162 Resp: 63510

Ion	Ratio	Lower	Upper
162	100		
164	61.9	52.4	78.6
98	36.1	32.2	48.2



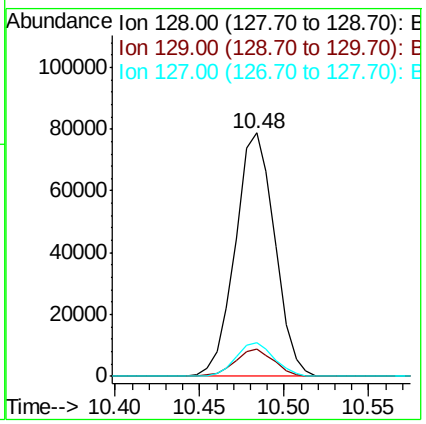


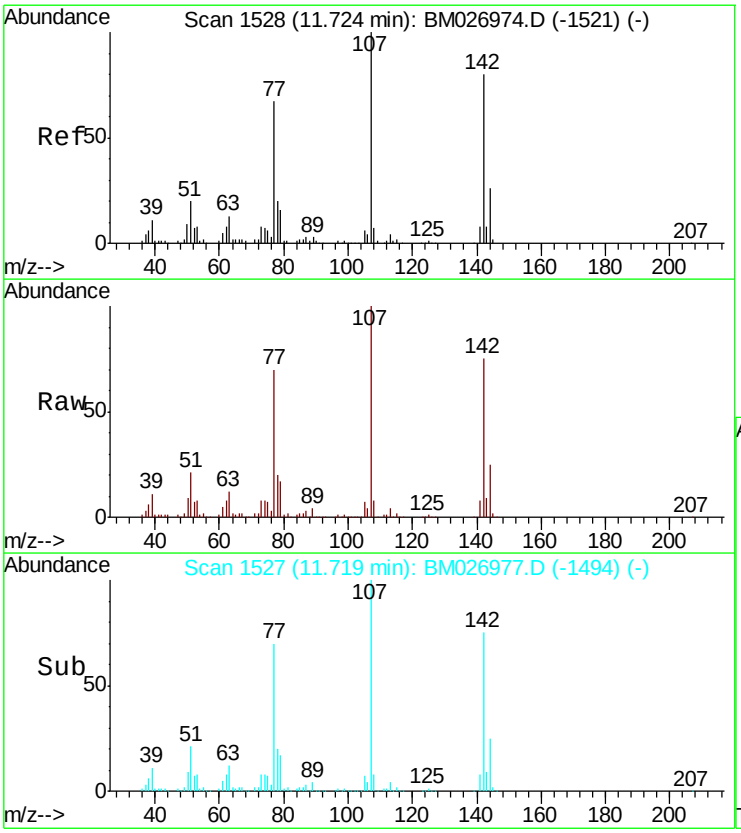
#28
Naphthalene
Concen: 9.388 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:128 Resp: 128019

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.3	12.5
127	13.8	11.0	16.6

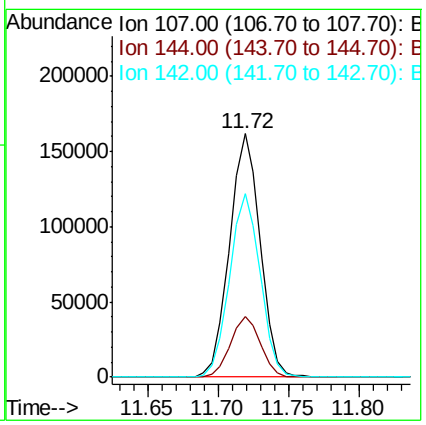


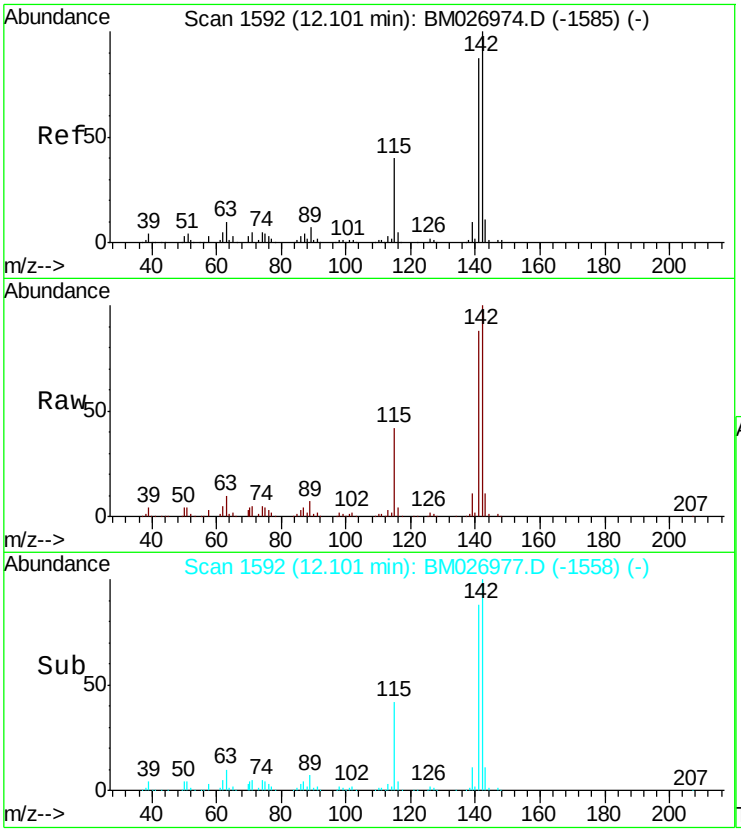


#33
4-Chloro-3-methylphenol
Concen: 54.244 ng/ul
RT: 11.72 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:107 Resp: 244789

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.6	30.8
142	75.4	59.9	89.9



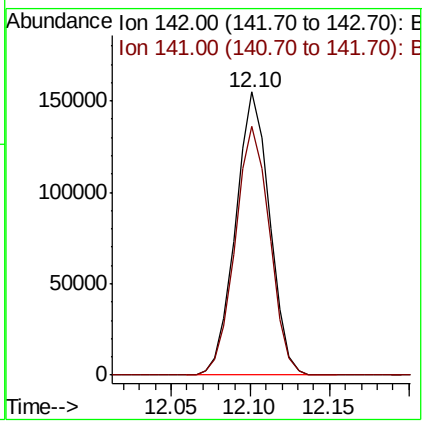


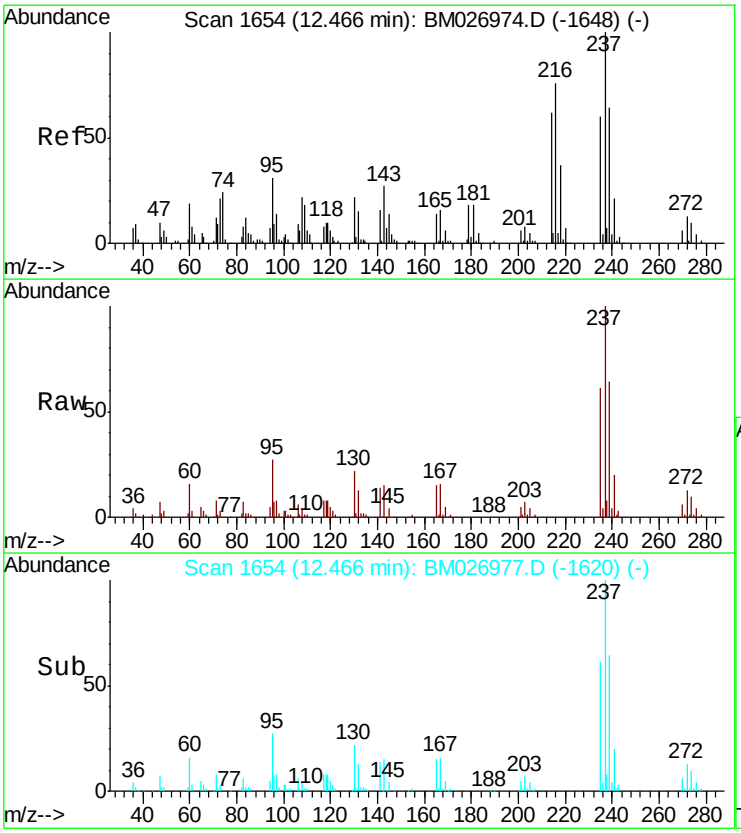
#34
2-Methylnaphthalene
Concen: 23.950 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:142 Resp: 230895

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.1	106.7

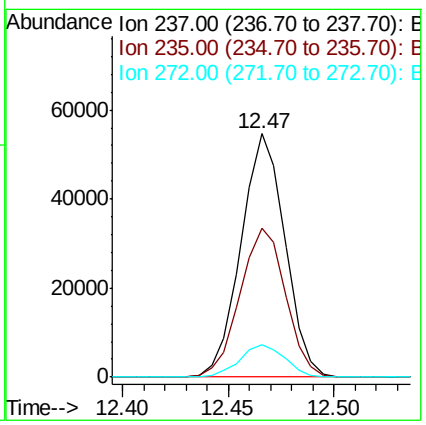


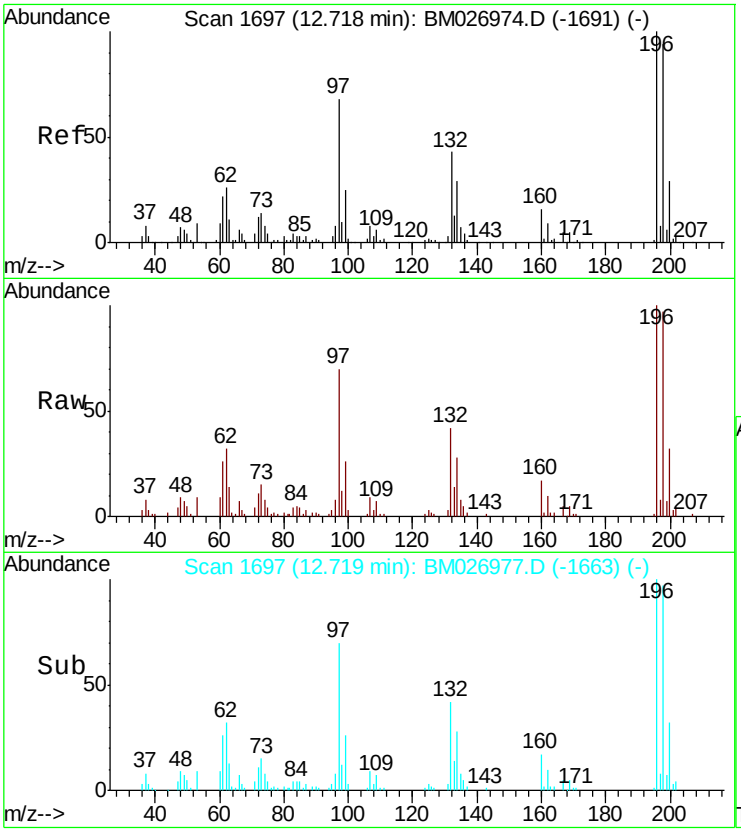


#38
Hexachlorocyclopentadiene
Concen: 21.613 ng/ul
RT: 12.47 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:237 Resp: 79063

Ion	Ratio	Lower	Upper
237	100		
235	61.3	49.8	74.8
272	13.3	10.1	15.1



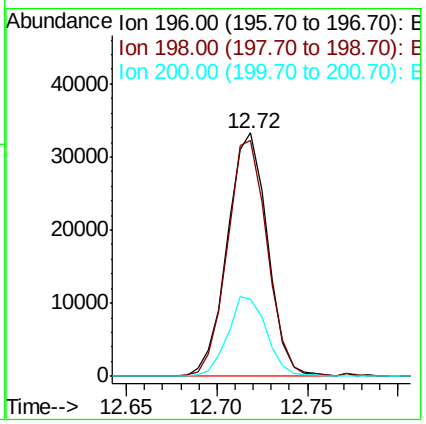


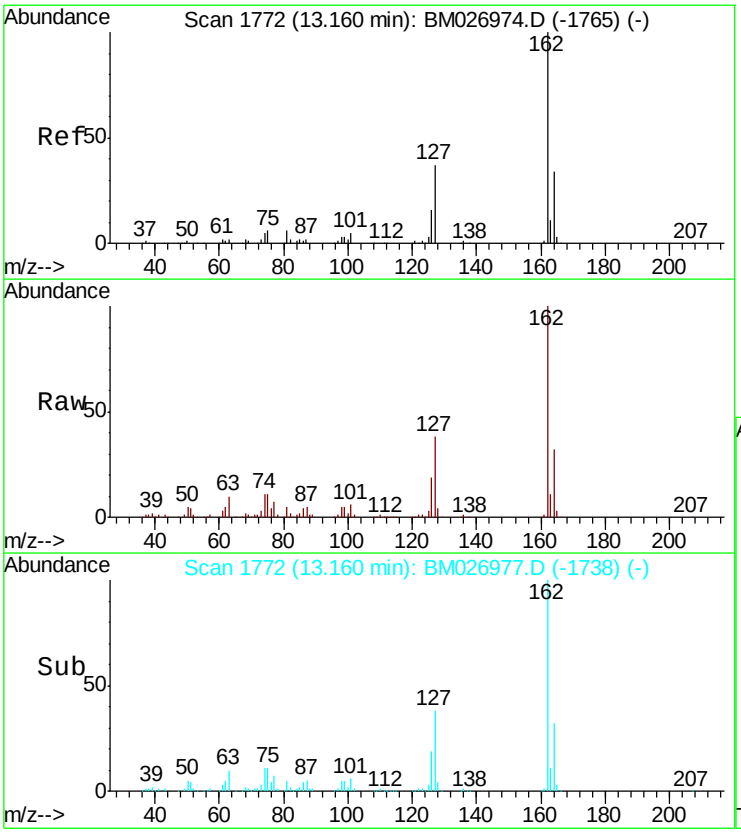
#39
2,4,6-Trichlorophenol
Concen: 16.570 ng/ul
RT: 12.72 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:196 Resp: 51227

Ion	Ratio	Lower	Upper
196	100		
198	97.1	79.0	118.6
200	31.6	23.3	34.9

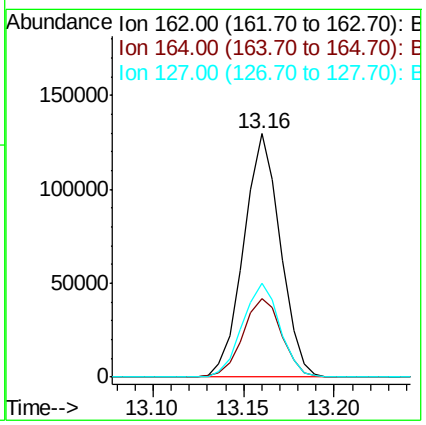


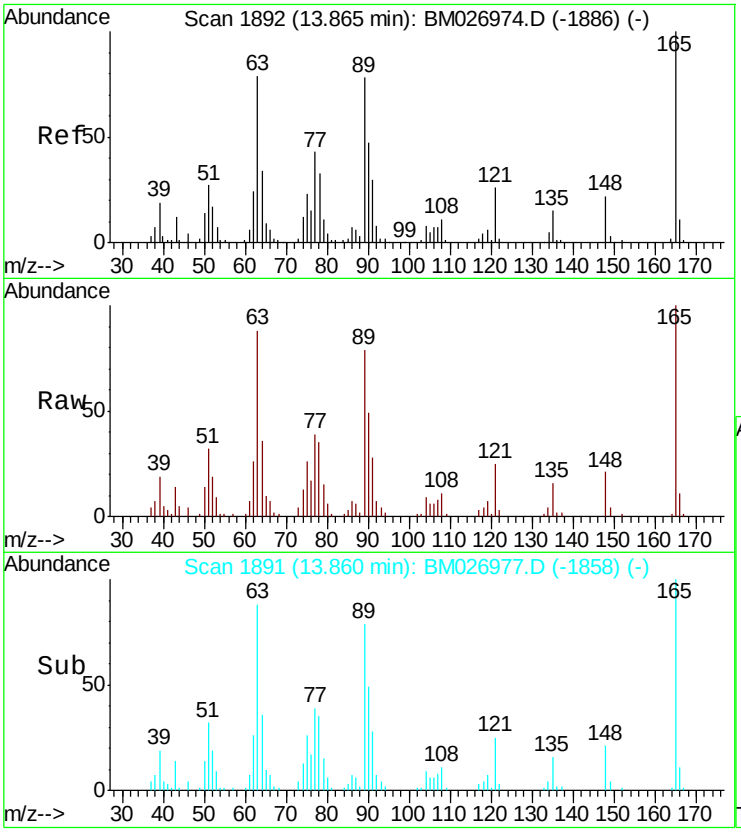


#42
2-Chloronaphthalene
Concen: 17.202 ng/ul
RT: 13.16 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:162 Resp: 182573

Ion	Ratio	Lower	Upper
162	100		
164	32.3	26.4	39.6
127	38.4	30.6	45.8



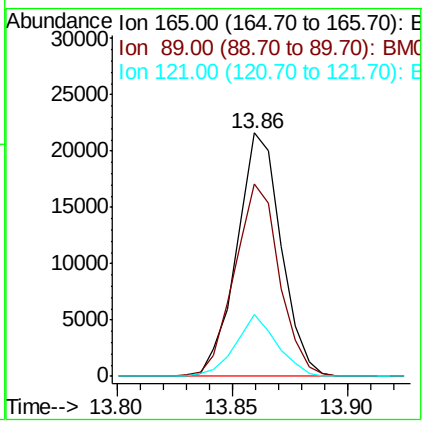


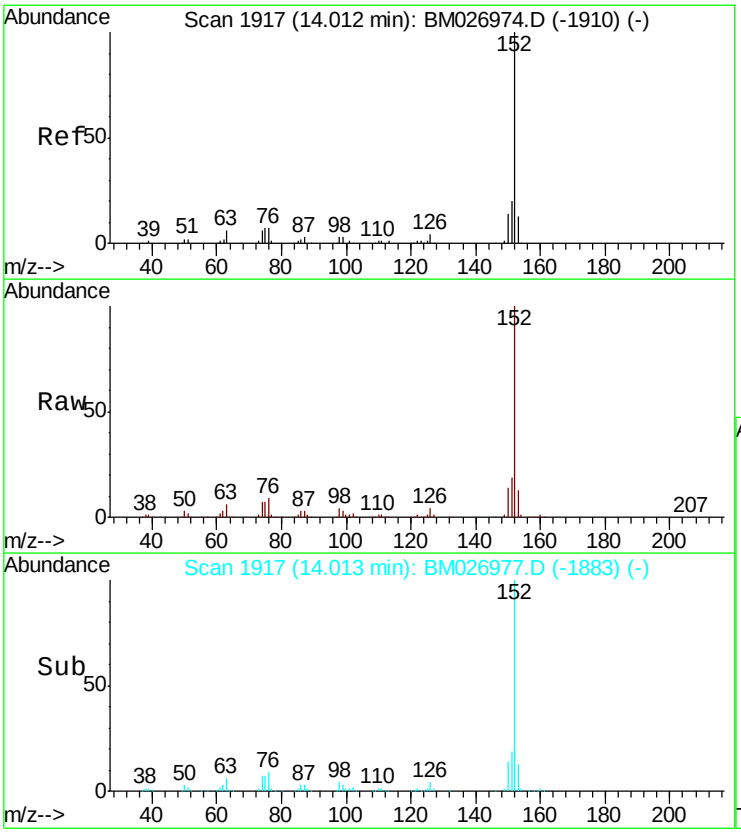
#46
2,6-Dinitrotoluene
Concen: 12.656 ng/ul
RT: 13.86 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:165 Resp: 28982

Ion	Ratio	Lower	Upper
165	100		
89	79.1	55.0	82.4
121	25.3	19.0	28.6

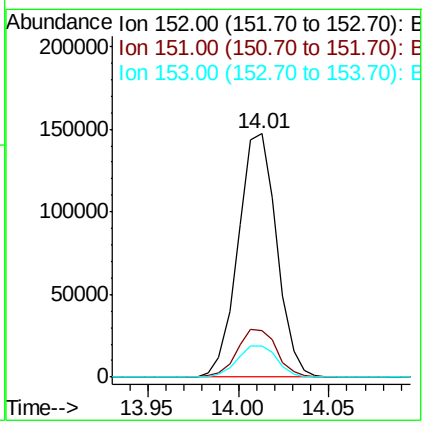


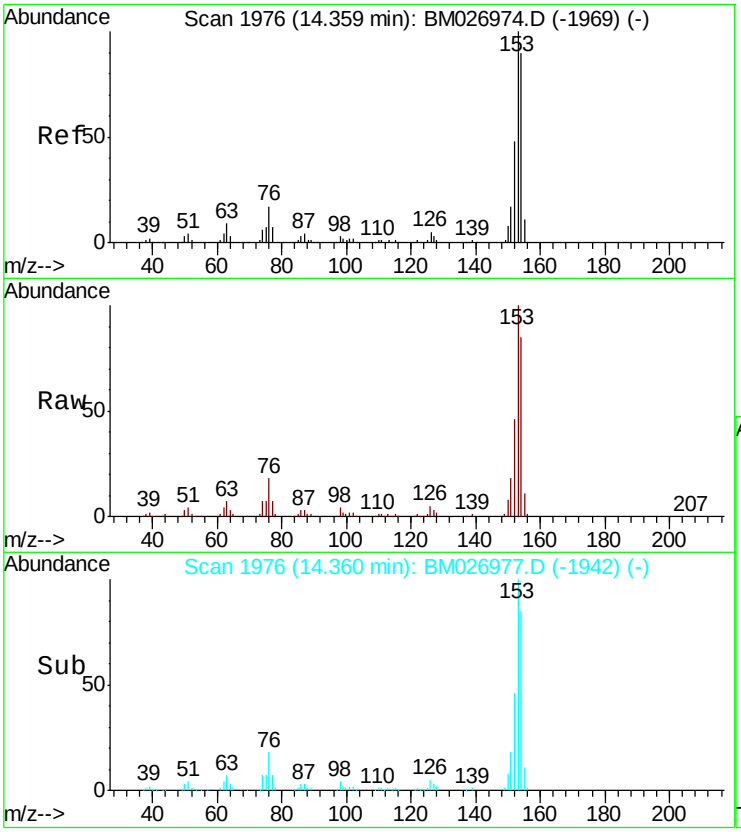


#48
Acenaphthylene
Concen: 13.585 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:152 Resp: 217398

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	13.0	10.7	16.1



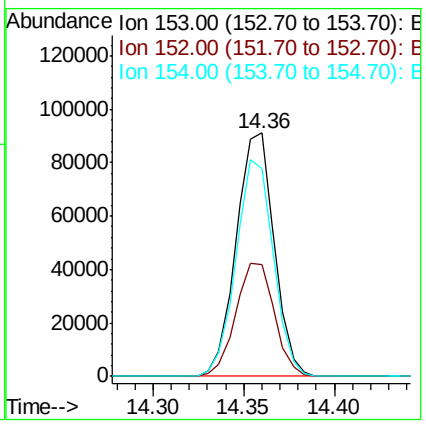


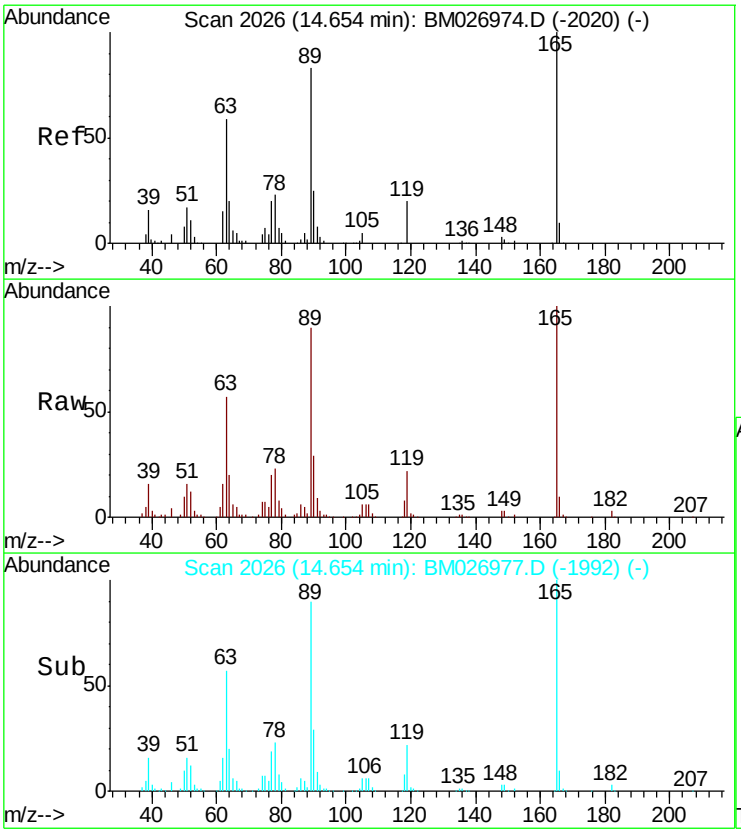
#50
Acenaphthene
Concen: 12.038 ng/ul
RT: 14.36 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:153 Resp: 132721

Ion	Ratio	Lower	Upper
153	100		
152	46.1	37.8	56.6
154	85.3	70.5	105.7

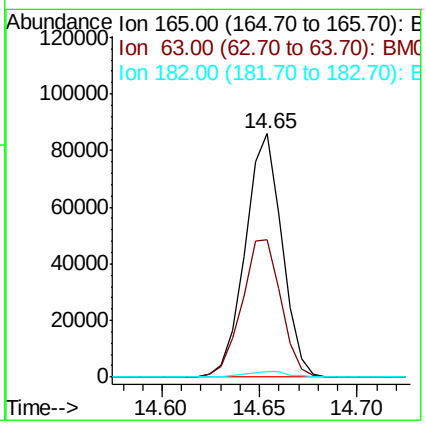


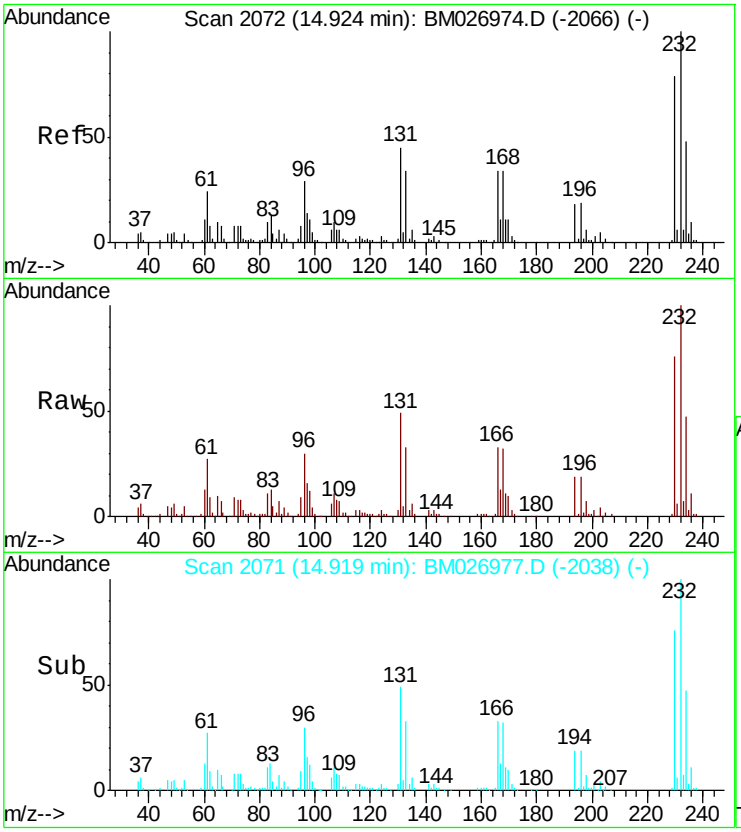


#55
2,4-Dinitrotoluene
Concen: 33.991 ng/ul
RT: 14.65 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:165 Resp: 111841

Ion	Ratio	Lower	Upper
165	100		
63	56.6	46.2	69.4
182	2.5	2.4	3.6



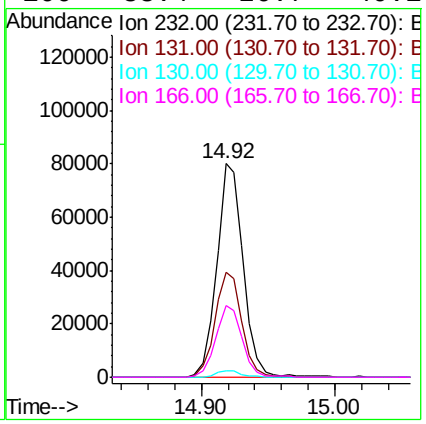


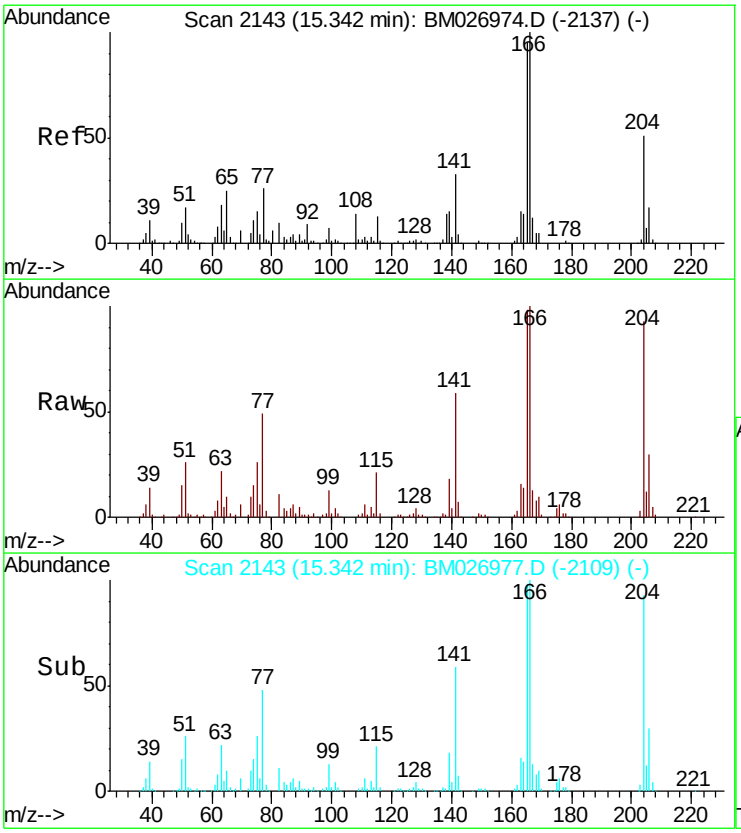
#56
2,3,4,6-Tetrachlorophenol
Concen: 42.862 ng/ul
RT: 14.92 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:232 Resp: 111077

Ion	Ratio	Lower	Upper
232	100		
131	48.9	39.4	59.2
130	3.0	2.6	4.0
166	33.4	26.7	40.1

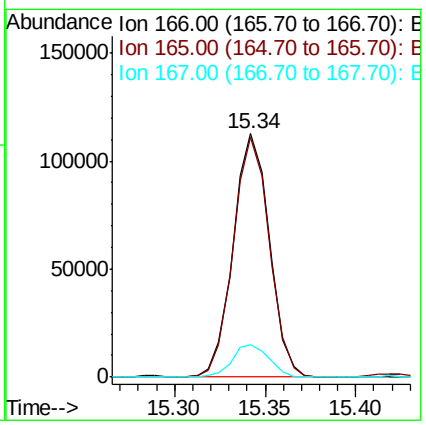


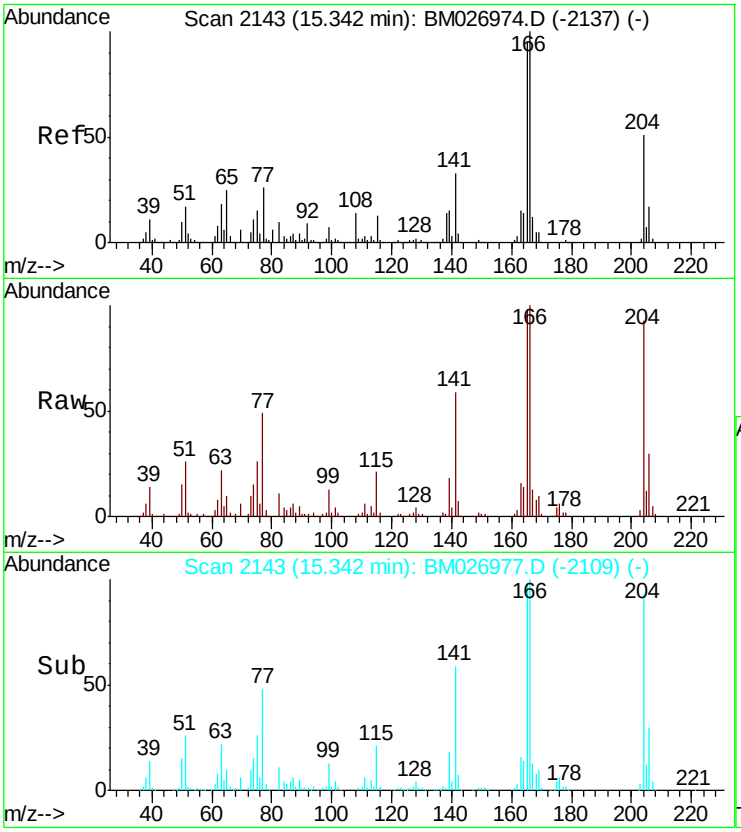


#59
Fluorene
Concen: 12.149 ng/ul
RT: 15.34 min Scan# 2143
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:166 Resp: 156346

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.2
167	13.1	10.3	15.5



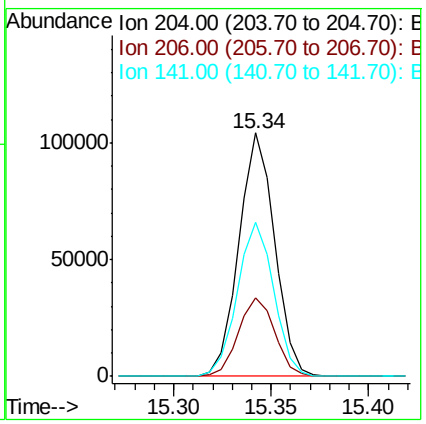


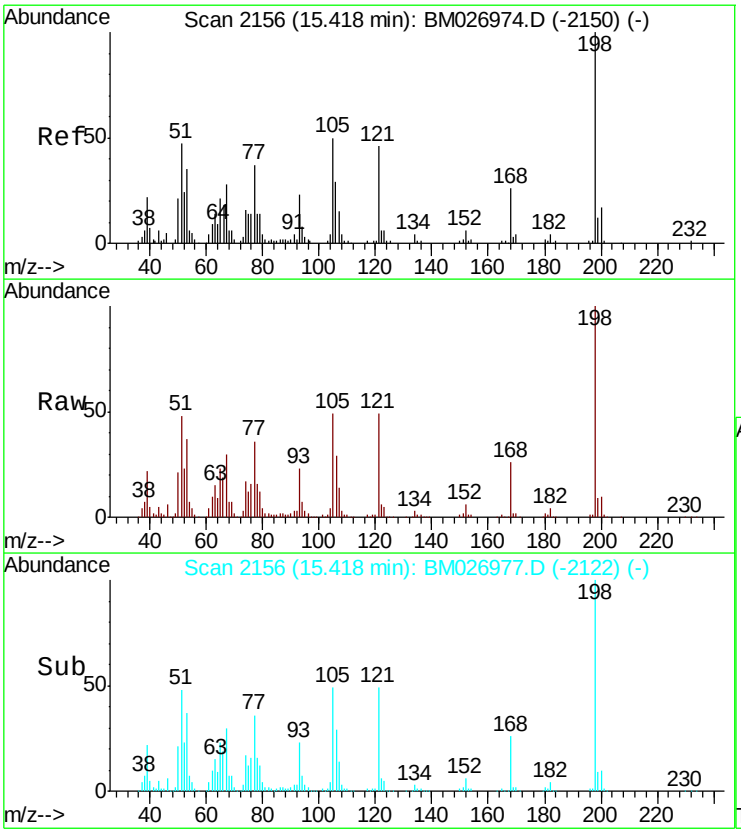
#60
4-Chlorophenyl-phenylether
Concen: 20.647 ng/ul
RT: 15.34 min Scan# 2143
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:204 Resp: 132239

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.0	39.0
141	63.2	48.3	72.5

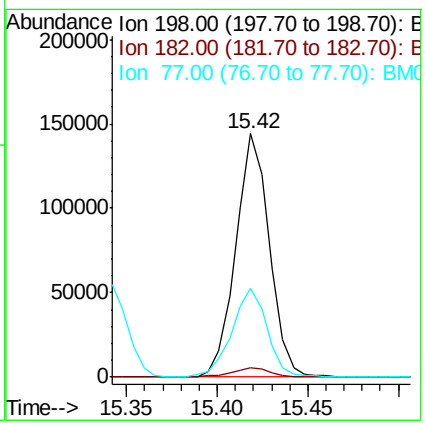


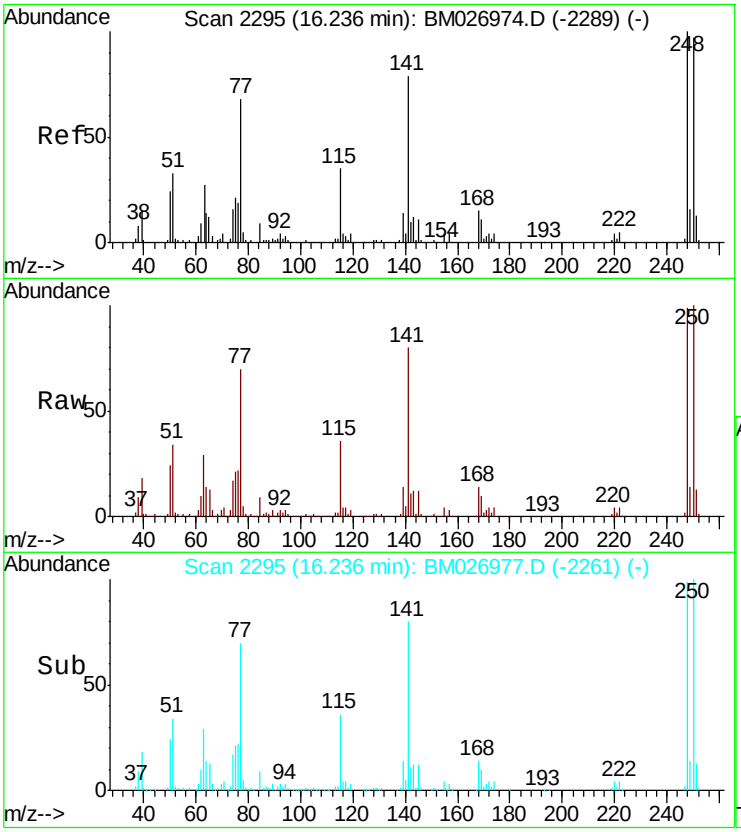


#64
4,6-Dinitro-2-methylphenol
Concen: 106.961 ng/ul
RT: 15.42 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:198 Resp: 186432

Ion	Ratio	Lower	Upper
198	100		
182	4.0	4.2	6.4#
77	36.3	29.3	43.9



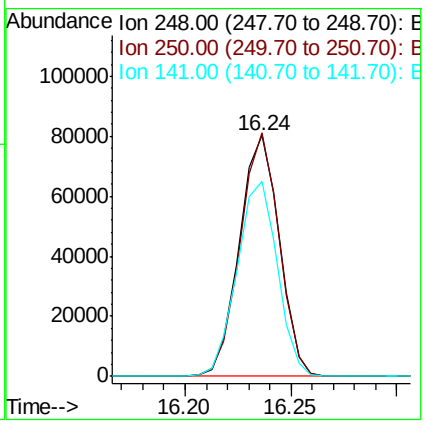


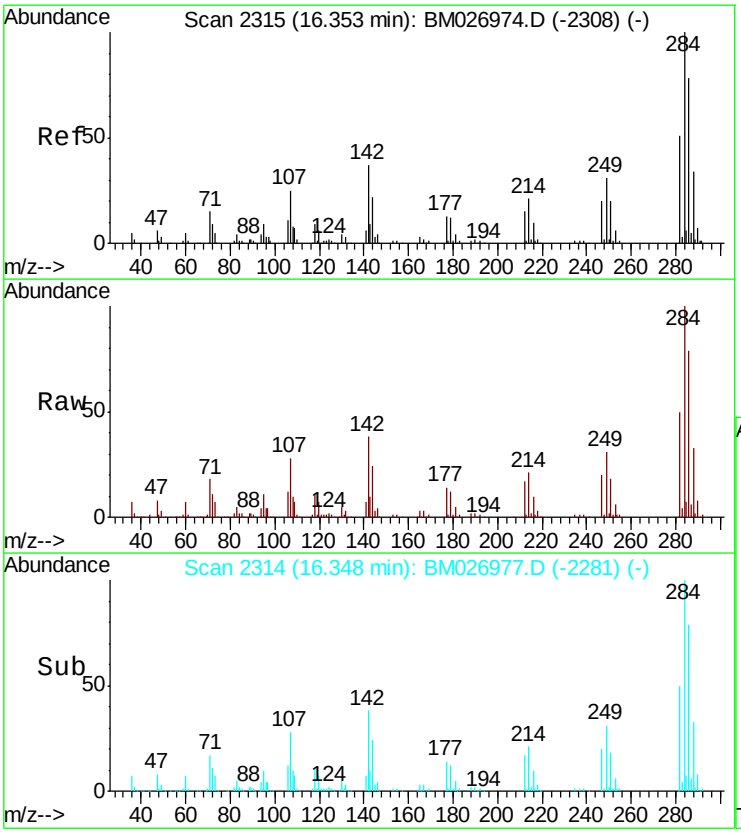
#66
4-Bromophenyl-phenylether
Concen: 26.165 ng/ul
RT: 16.24 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:248 Resp: 105618

Ion	Ratio	Lower	Upper
248	100		
250	101.1	78.2	117.4
141	81.0	57.5	86.3

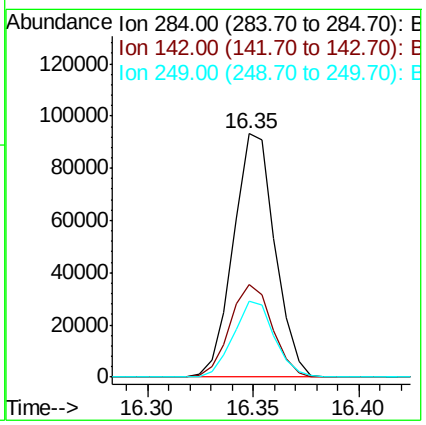


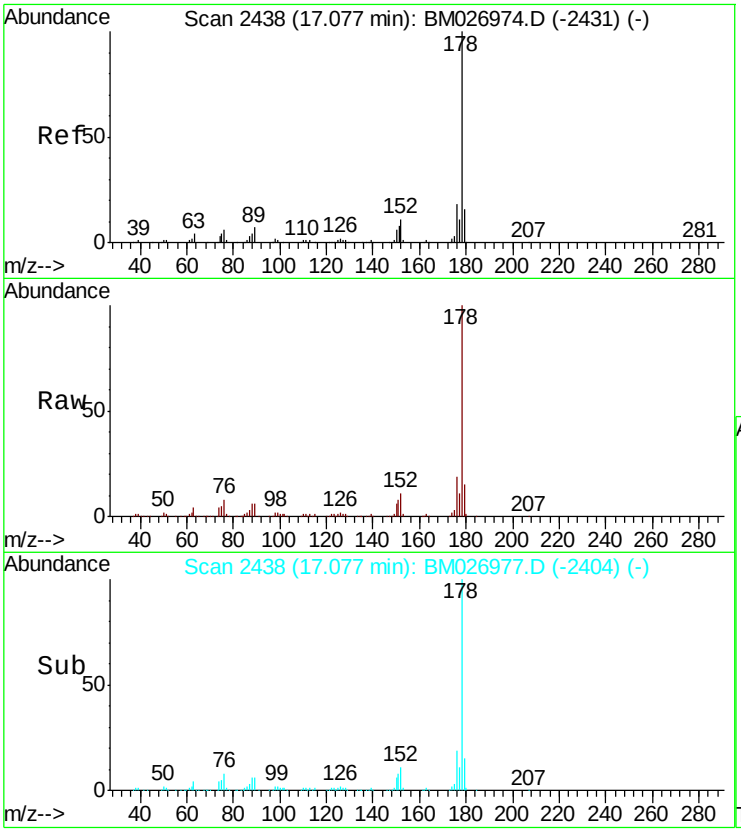


#67
Hexachlorobenzene
Concen: 27.802 ng/ul
RT: 16.35 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:284 Resp: 127268

Ion	Ratio	Lower	Upper
284	100		
142	38.0	31.7	47.5
249	31.1	25.7	38.5



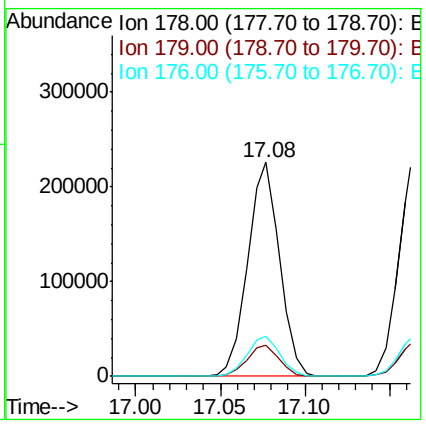


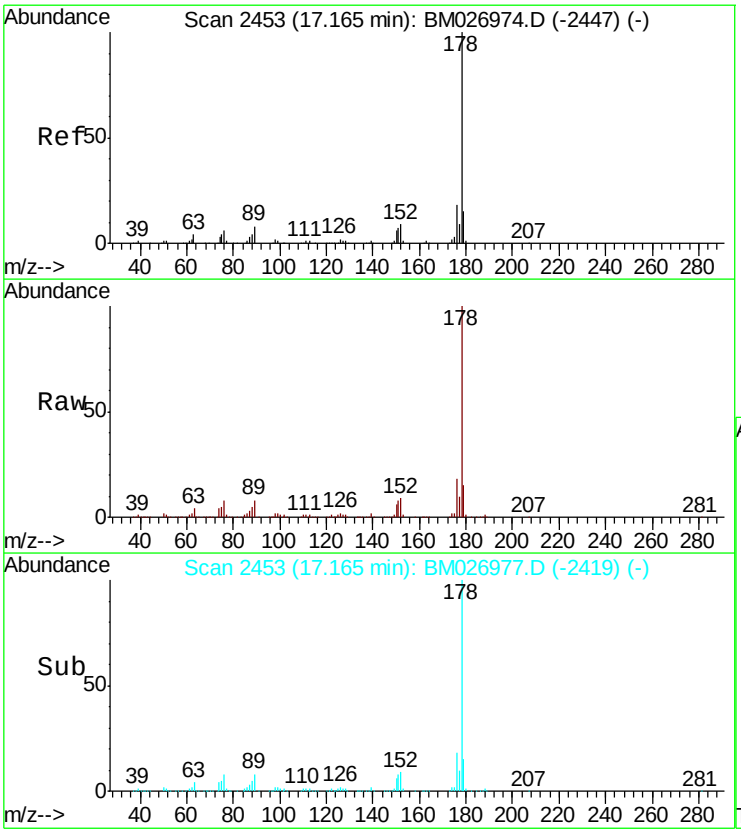
#70
Phenanthrene
Concen: 14.137 ng/ul
RT: 17.08 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:178 Resp: 295273

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.0	18.0
176	18.6	14.7	22.1

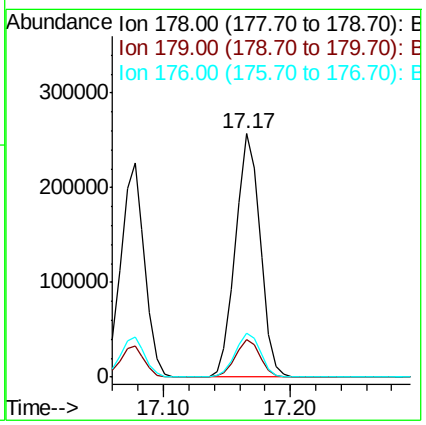


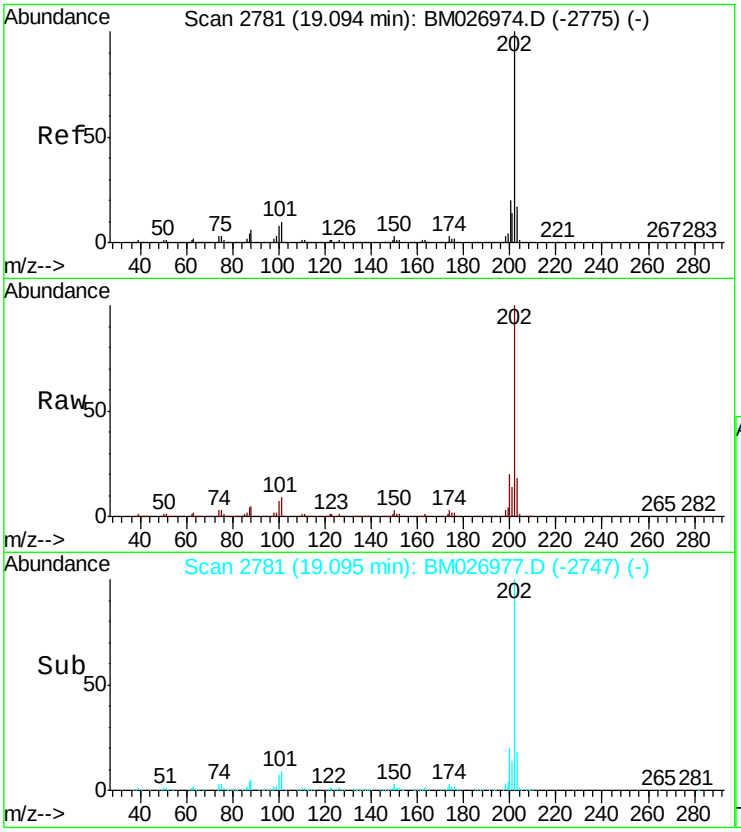


#72
Anthracene
Concen: 16.097 ng/ul
RT: 17.17 min Scan# 2453
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:178 Resp: 345579

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.6
176	17.9	15.0	22.6



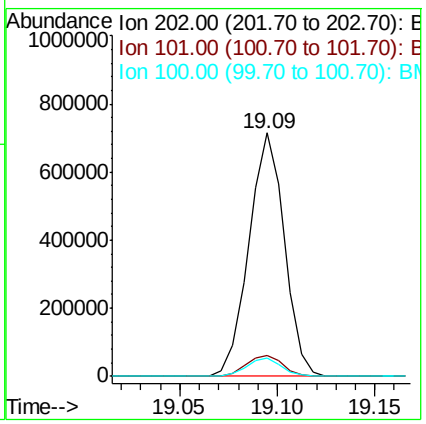


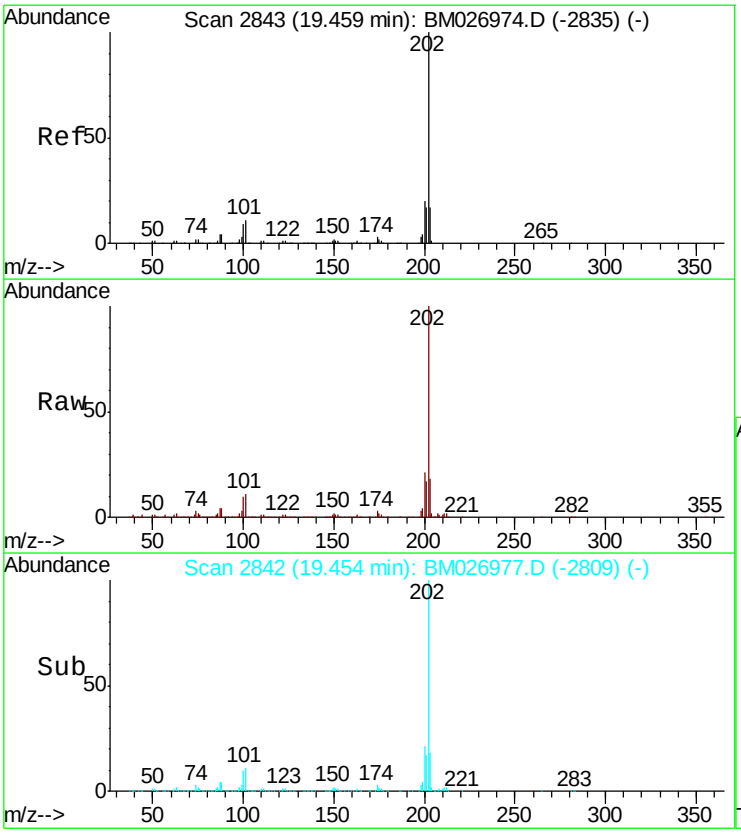
#77
Fluoranthene
Concen: 36.377 ng/ul
RT: 19.09 min Scan# 2781
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:202 Resp: 897122

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.7	11.5
100	7.4	6.2	9.4

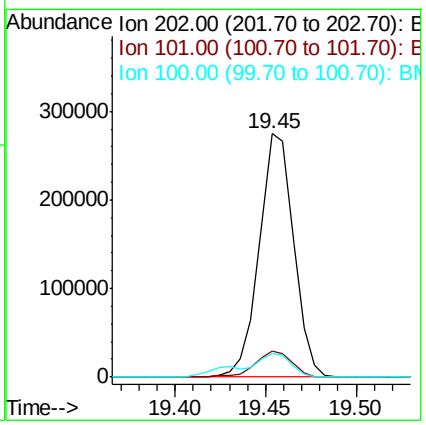


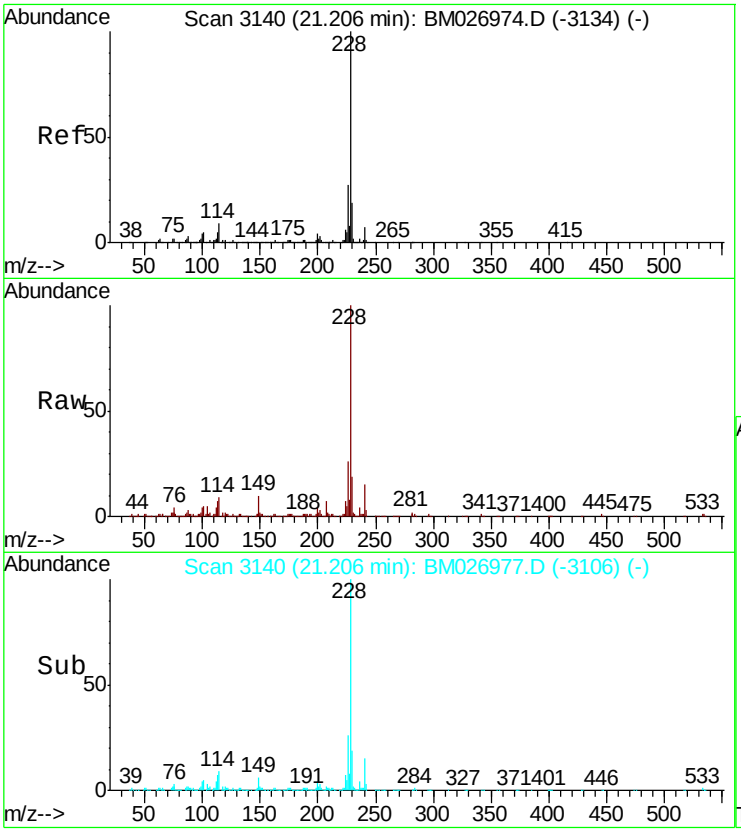


#80
Pyrene
Concen: 13.276 ng/ul
RT: 19.45 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:202 Resp: 364194

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.4	14.2
100	9.5	8.2	12.4



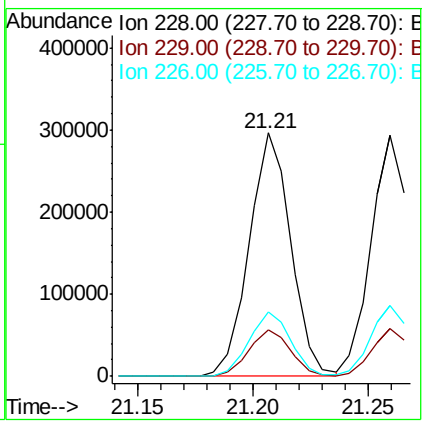


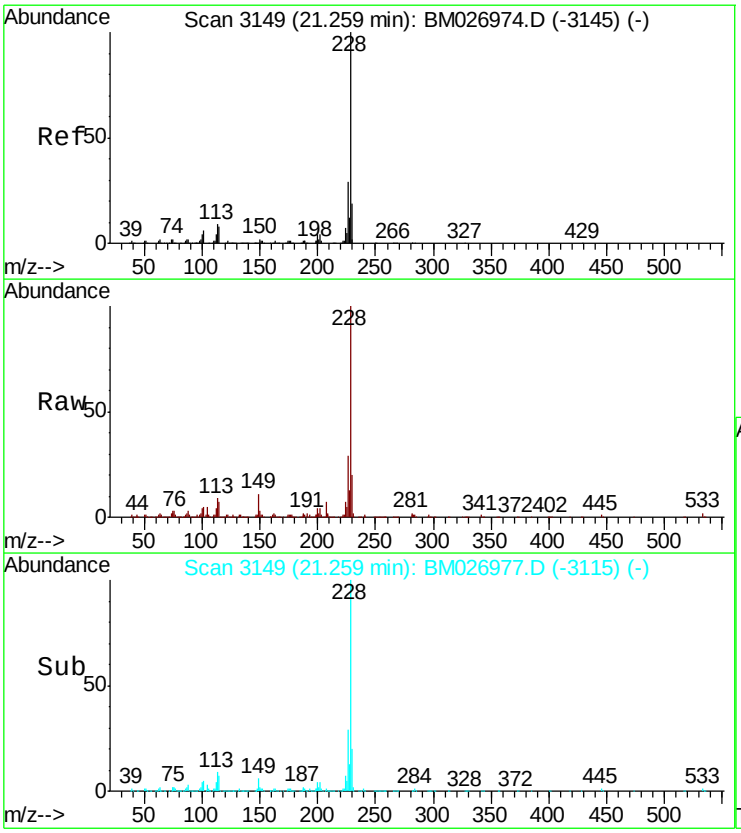
#83
Benzo(a)anthracene
Concen: 14.315 ng/ul
RT: 21.21 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:228 Resp: 372043

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.2
226	26.3	20.9	31.3

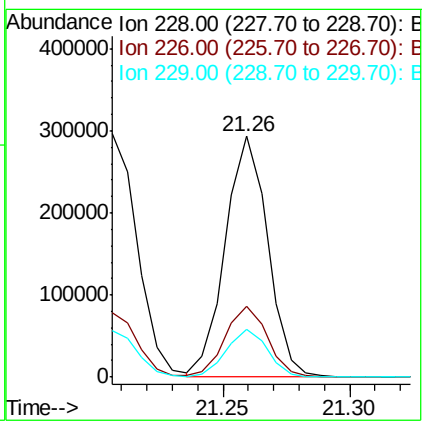


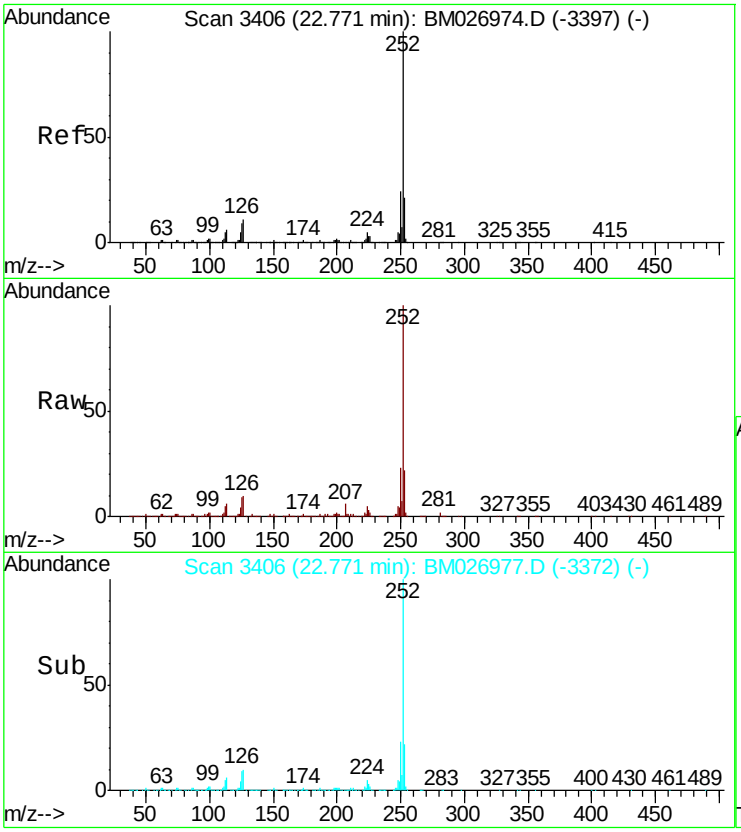


#85
Chrysene
Concen: 13.414 ng/ul
RT: 21.26 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:228 Resp: 339978

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.2	34.8
229	19.7	15.5	23.3



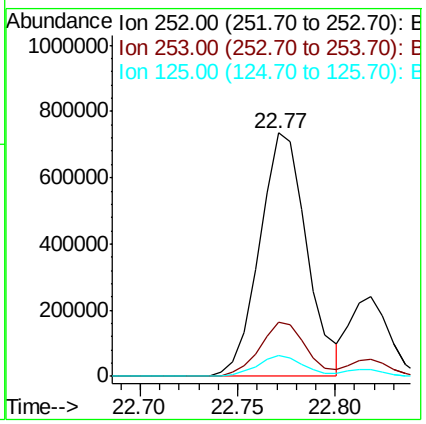


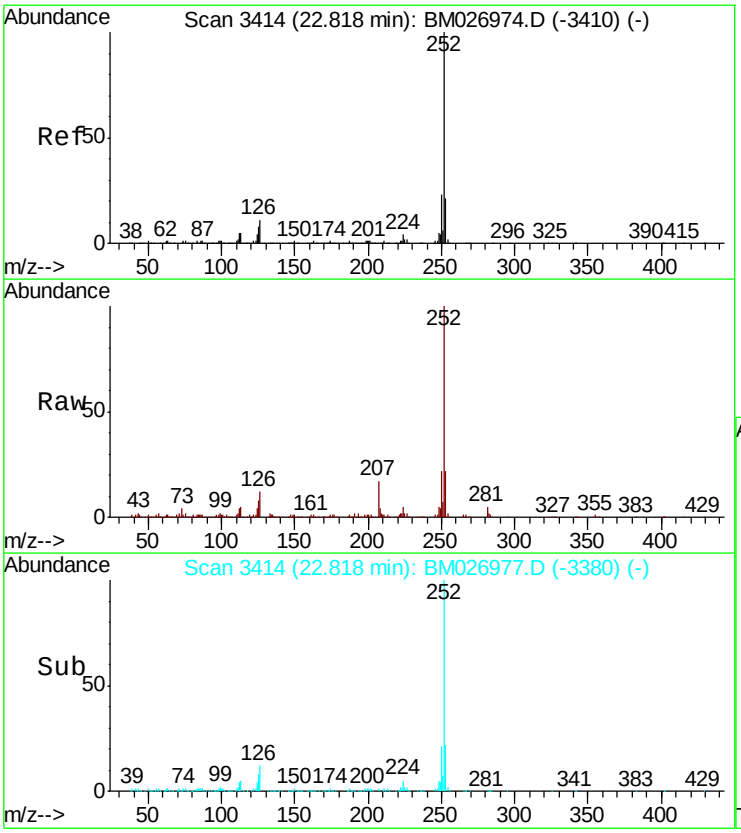
#88
Benzo(b)fluoranthene
Concen: 45.268 ng/ul
RT: 22.77 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:252 Resp: 1231901

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.8	6.6	10.0

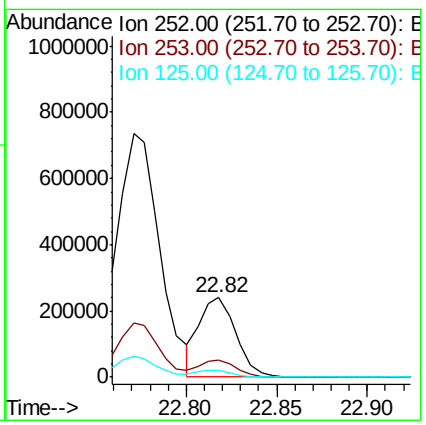


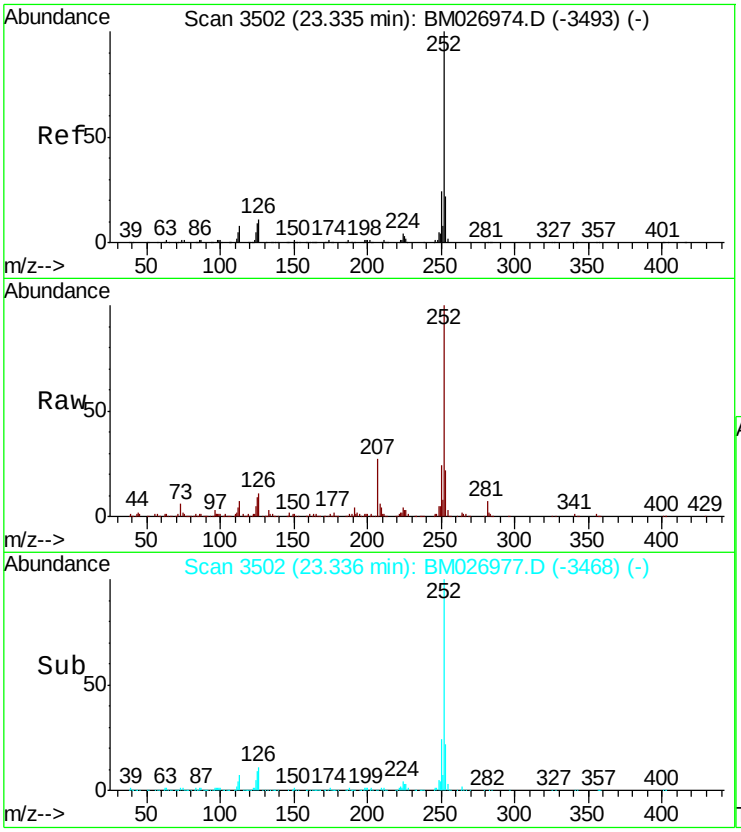


#89
Benzo(k)fluoranthene
Concen: 12.821 ng/ul
RT: 22.82 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:252 Resp: 334802

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	8.4	7.3	10.9



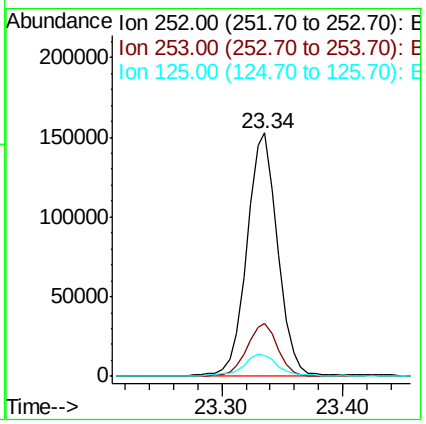


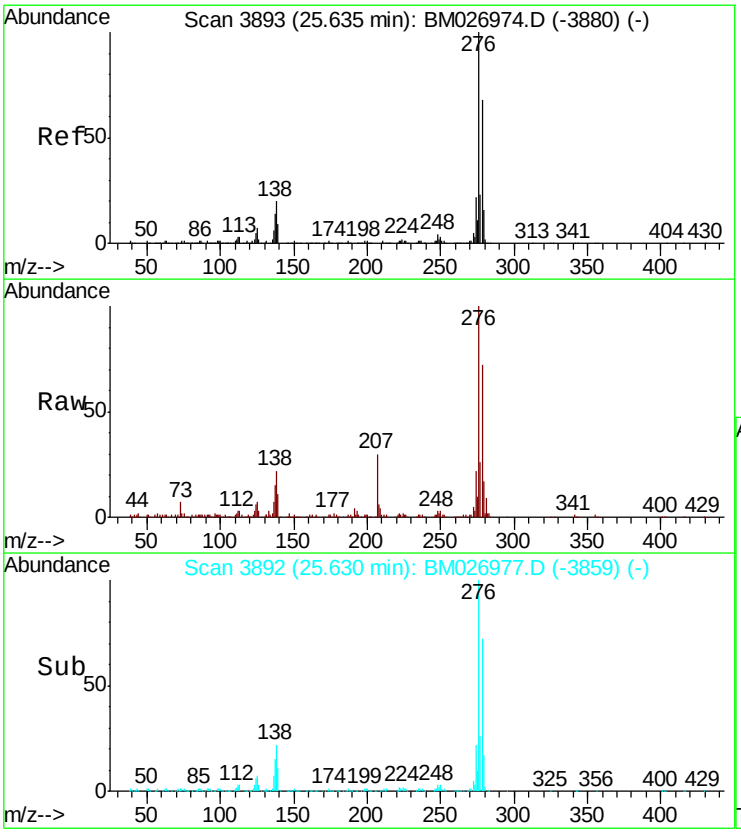
#91
Benzo(a)pyrene
Concen: 10.916 ng/ul
RT: 23.34 min Scan# 3502
Delta R.T. 0.00 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:252 Resp: 268047

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.8	8.2	12.2

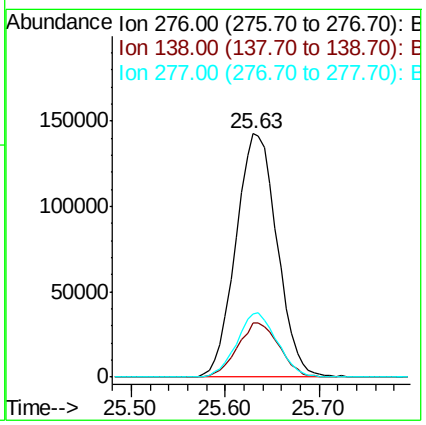


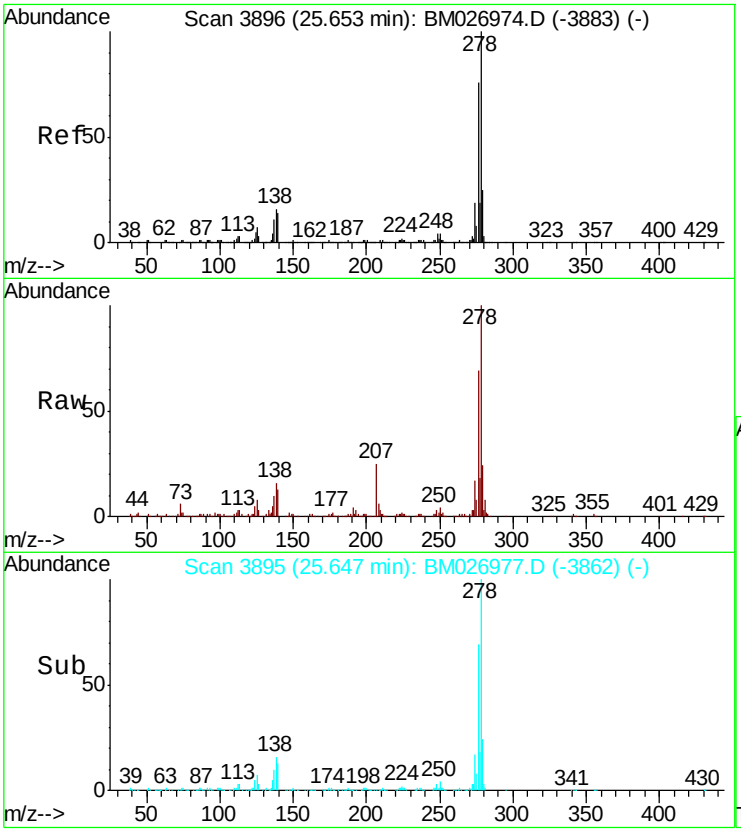


#92
Indeno(1,2,3-cd)pyrene
Concen: 14.247 ng/ul
RT: 25.63 min Scan# 3892
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:276 Resp: 434007

Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.0	25.4
277	25.8	20.6	30.8



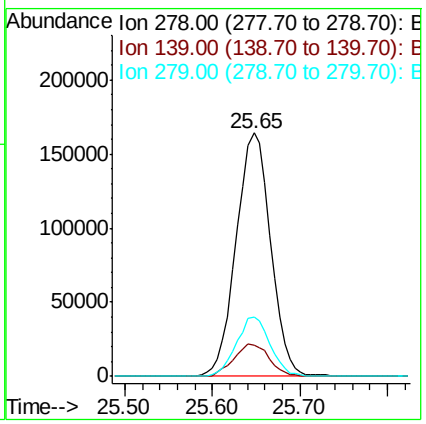


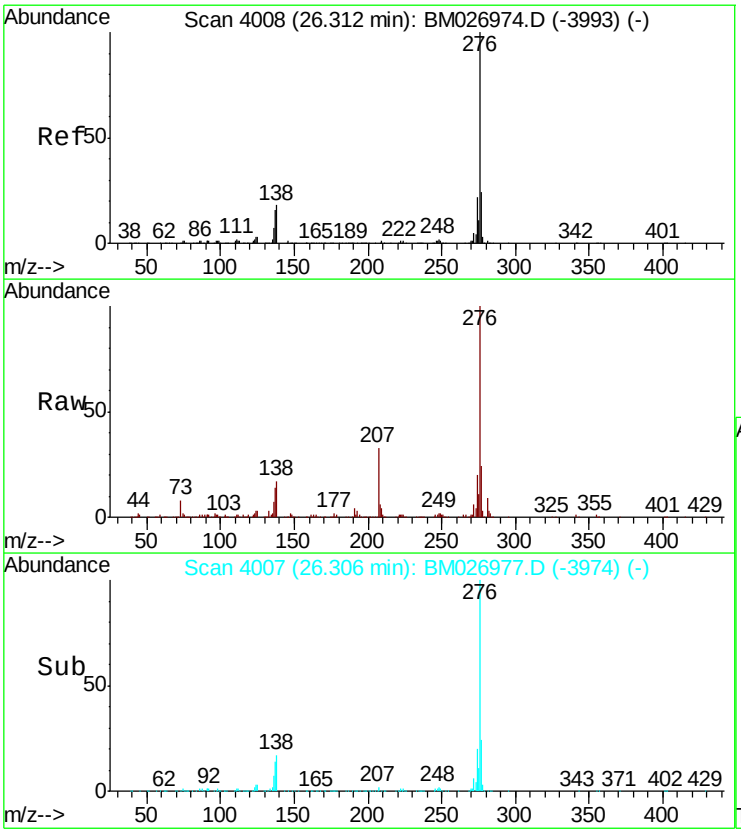
#93
Dibenzo(a,h)anthracene
Concen: 17.071 ng/ul
RT: 25.65 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Instrument :
BNA_M
ClientSampleId :
C0S60

Tgt Ion:278 Resp: 439826

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.9	16.3
279	24.3	19.4	29.2





#94
Benzo(g,h,i)perylene
Concen: 15.194 ng/ul
RT: 26.31 min Scan# 4007
Delta R.T. -0.01 min
Lab File: BM026977.D
Acq: 03 Aug 2020 12:44

Tgt Ion:276 Resp: 382739

Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.9	22.3
277	23.6	19.1	28.7