Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042319\
Data File : BN005239.D
Acq On : 24 Apr 2019 05:59
Operator : JU/SJ
Sample : K2455-07MS 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

Manual Integrations APPROVED
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5/7/2019 8:22:16 AM

Quant Time: May 06 23:51:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	556539	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2297867	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1301735	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2532513	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1865096	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2041177	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	13750	1.19	ng/uL	0.00
5) Phenol-d5	6.78	99	121393	2.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	77450	2.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	97046	2.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	97082	2.84	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	63348	4.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	45268	3.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	98520	3.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	137343	4.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	317491	3.36	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	379644	3.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	35227	2.36	ng/ul	0.00
57) Fluorene-d10	15.23	176	272766	3.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	5792	0.51	ng/ul	0.00
70) Anthracene-d10	17.09	188	365206	3.44	ng/ul	0.00
78) Pyrene-d10	19.40	212	345492	3.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	292329	3.28	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	6.80	94	125165	2.784	ng/ul	97
10) 2-Chlorophenol	7.16	128	98711	2.854	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.39	70	82717	2.828	ng/ul	98
28) Naphthalene	10.42	128	13113032	122.754	ng/ul	98
33) 4-Chloro-3-methylphenol	11.65	107	109454	2.997	ng/ul#	82
34) 2-Methylnaphthalene	12.05	142	17952748	229.522	ng/ul	93
40) 1,1'-Biphenyl	13.06	154	1630771	16.814	ng/ul	99
47) Acenaphthylene	13.95	152	4521032	39.638	ng/ul#	97
49) Acenaphthene	14.30	153	758136	9.736	ng/ul	99
52) 4-Nitrophenol	14.45	109	32913m	2.430	ng/ul	
53) Dibenzofuran	14.63	168	698076	6.227	ng/ul	93
54) 2,4-Dinitrotoluene	14.60	165	102593	4.377	ng/ul#	76
58) Fluorene	15.29	166	2755002	31.493	ng/ul	97
68) Pentachlorophenol	16.64	266	31119	1.956	ng/ul	93
69) Phenanthrene	17.03	178	10169469	82.452	ng/ul	97
71) Anthracene	17.12	178	2213932	17.621	ng/ul	99
76) Fluoranthene	19.06	202	2386421	17.444	ng/ul	100
79) Pyrene	19.43	202	3981985	33.159	ng/ul	97
82) Benzo(a)anthracene	21.20	228	1442962m	12.436	ng/ul	
84) Chrysene	21.25	228	1181479	10.972	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	968857	8.444	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	364197m	3.323	ng/ul	
90) Benzo(a)pyrene	23.32	252	845569	7.840	ng/ul	97

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Misc :
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Instrument :
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Quant Time: May 06 23:51:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.59	276	427008	3.581	ng/ul	98
92) Dibenzo(a,h)anthracene	25.60	278	143959	1.423	ng/ul	96
93) Benzo(g,h,i)perylene	26.26	276	280687	2.847	ng/ul	98

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

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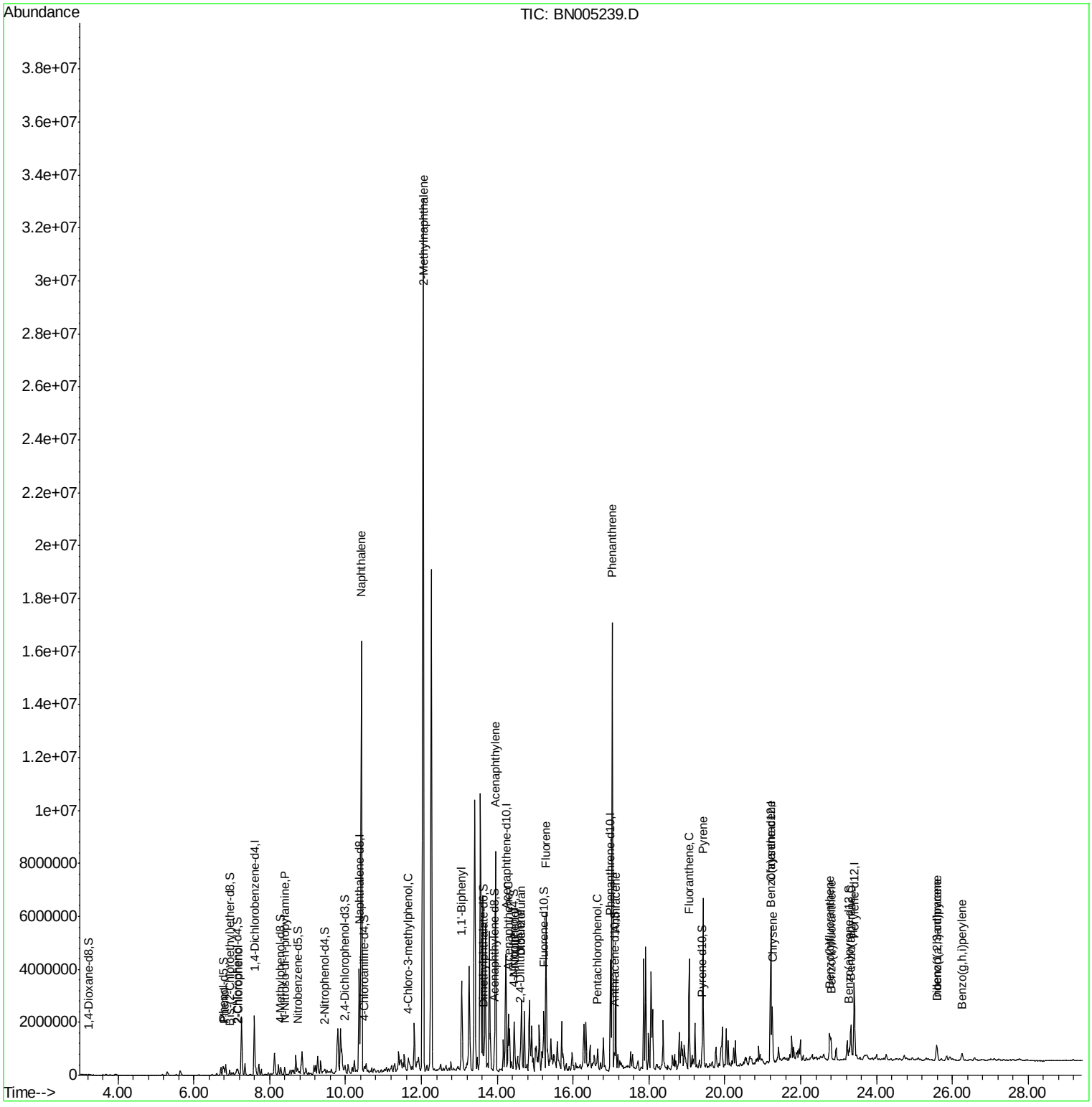
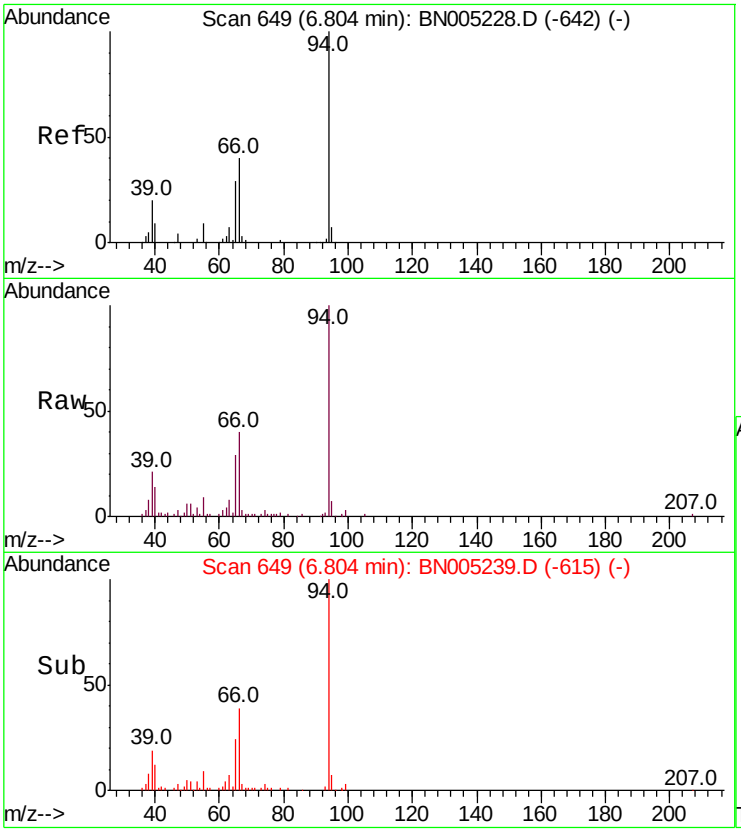
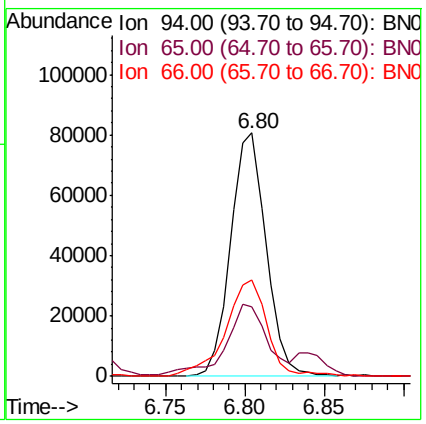




#6
Phenol
Concen: 2.784 ng/ul
RT: 6.80 min Scan# 649
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion: 94 Resp: 125165

Ion	Ratio	Lower	Upper
94	100		
65	28.8	24.2	36.4
66	39.7	33.8	50.6



Instrument :
BNA_N
ClientSampleId :
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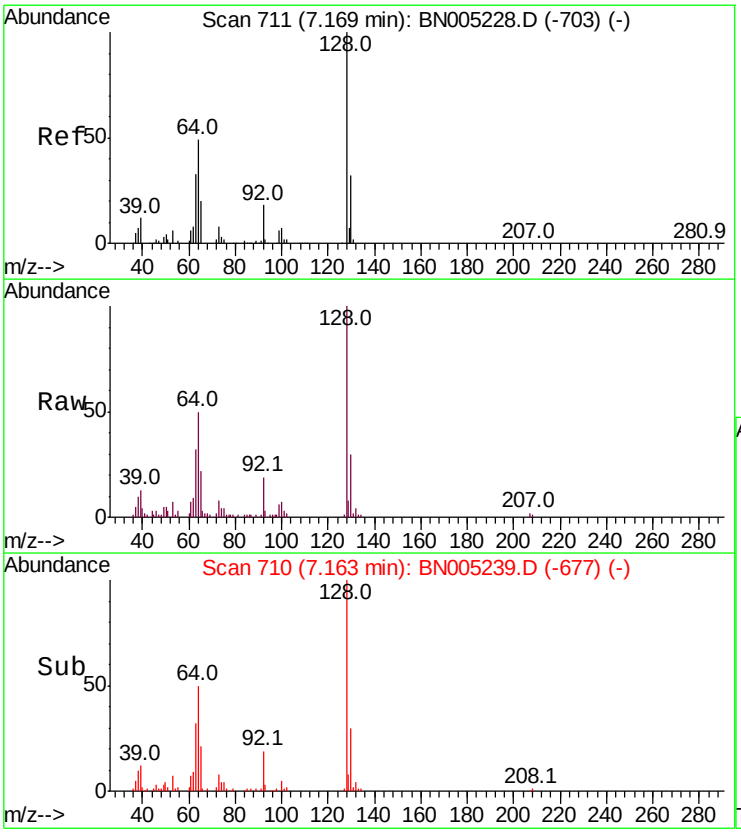
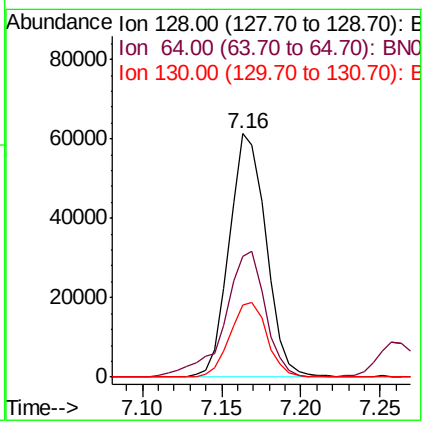
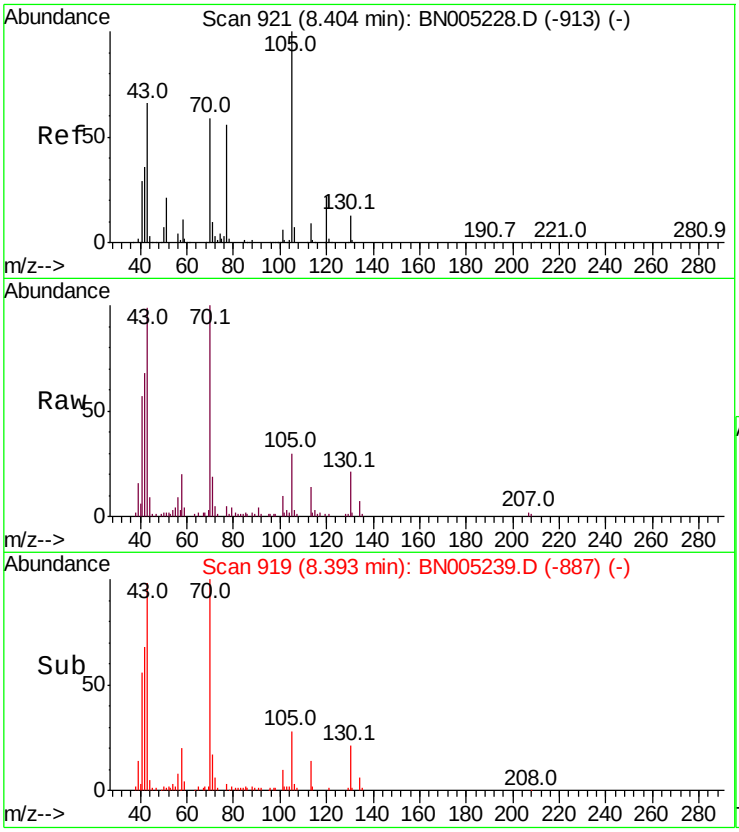


#10
2-Chlorophenol
Concen: 2.854 ng/ul
RT: 7.16 min Scan# 710
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:128 Resp: 98711

Ion	Ratio	Lower	Upper
128	100		
64	49.7	42.3	63.5
130	29.6	26.5	39.7

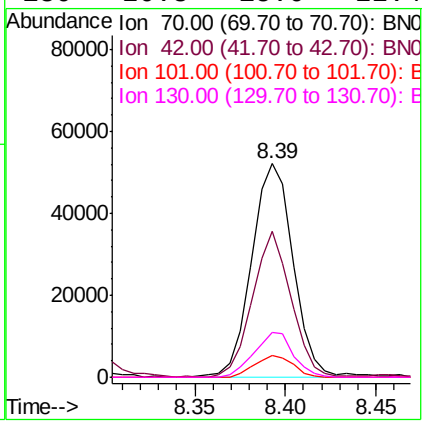




#15
N-Nitroso-di-n-propylamine
Concen: 2.828 ng/ul
RT: 8.39 min Scan# 919
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion: 70 Resp: 82717

Ion	Ratio	Lower	Upper
70	100		
42	68.1	53.8	80.8
101	10.0	7.7	11.5
130	20.8	15.0	22.4



Instrument :
BNA_N
ClientSampleId :
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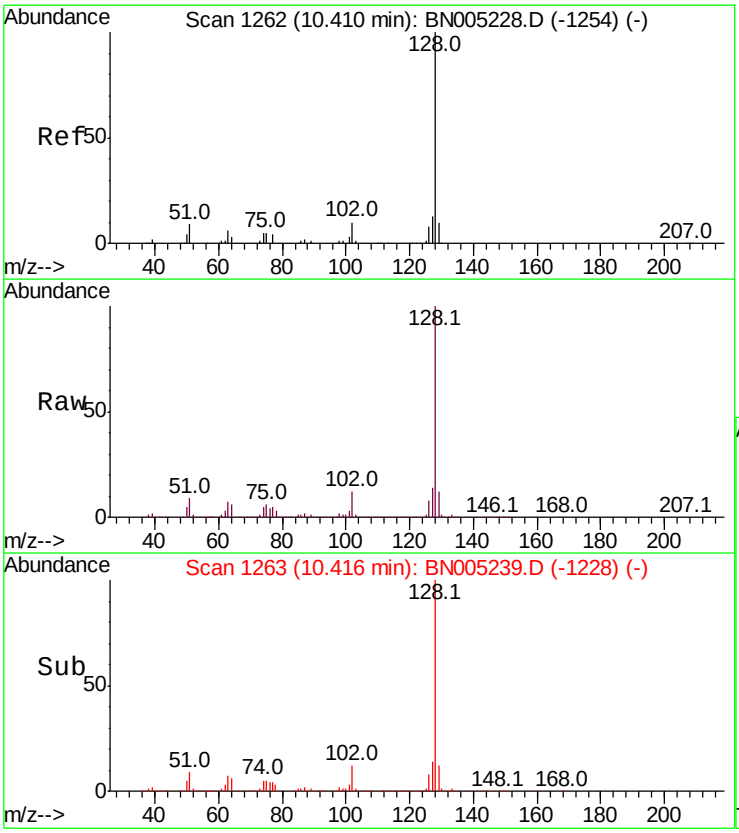
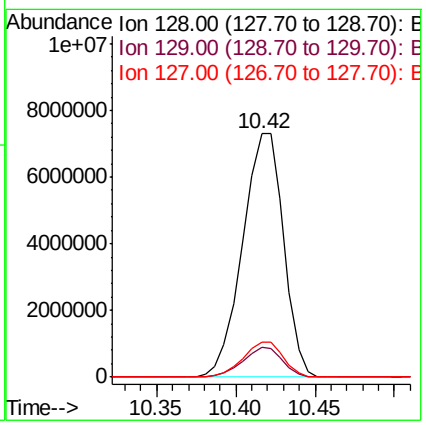
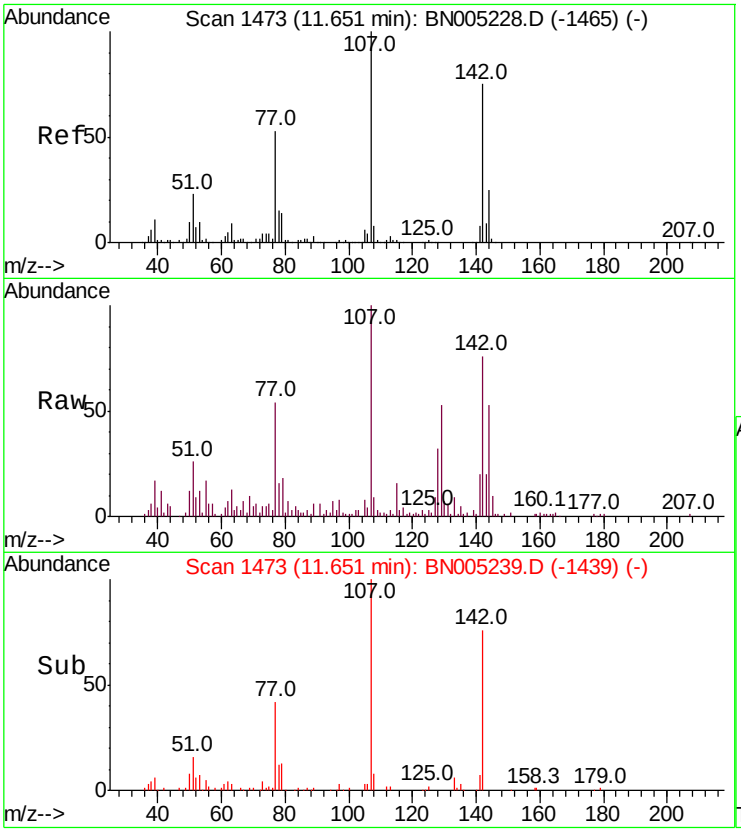


#28
Naphthalene
Concen: 122.754 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:128 Resp:13113032

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8
127	14.1	10.7	16.1

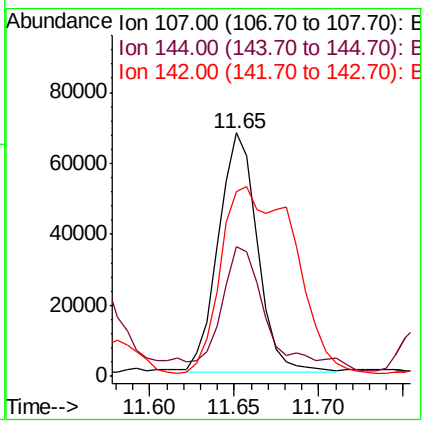




#33
4-Chloro-3-methylphenol
Concen: 2.997 ng/ul
RT: 11.65 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:107 Resp: 109454

Ion	Ratio	Lower	Upper
107	100		
144	53.3	19.4	29.0#
142	75.7	57.7	86.5



Instrument :
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ClientSampleId :
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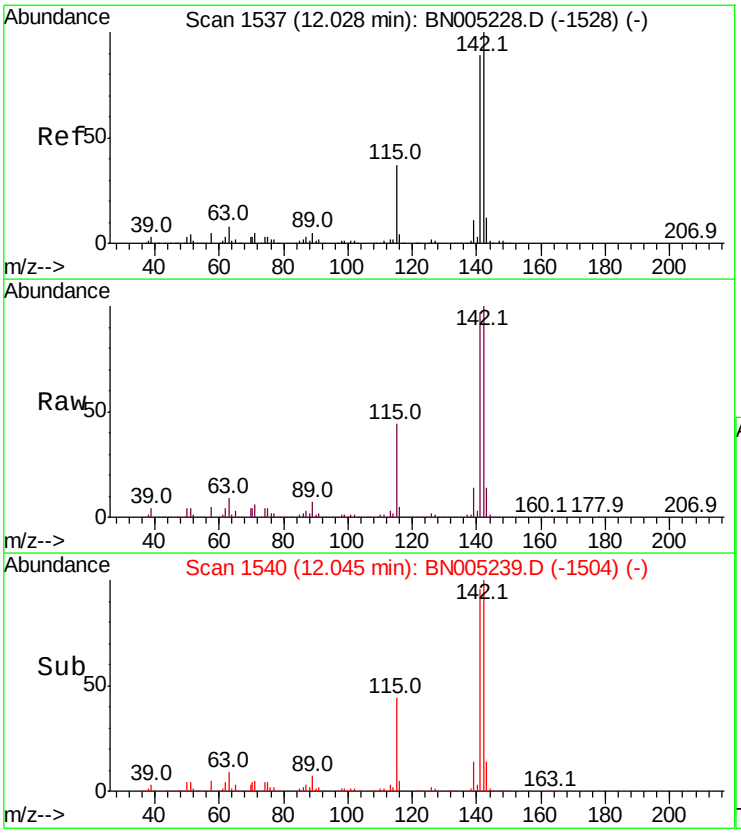
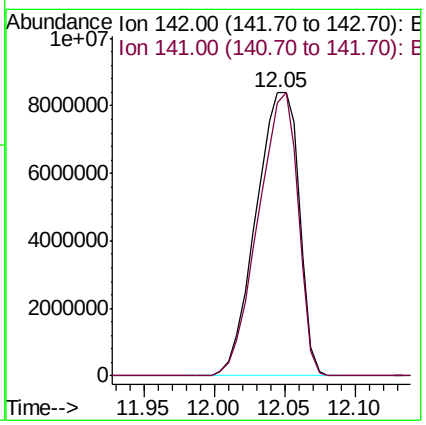
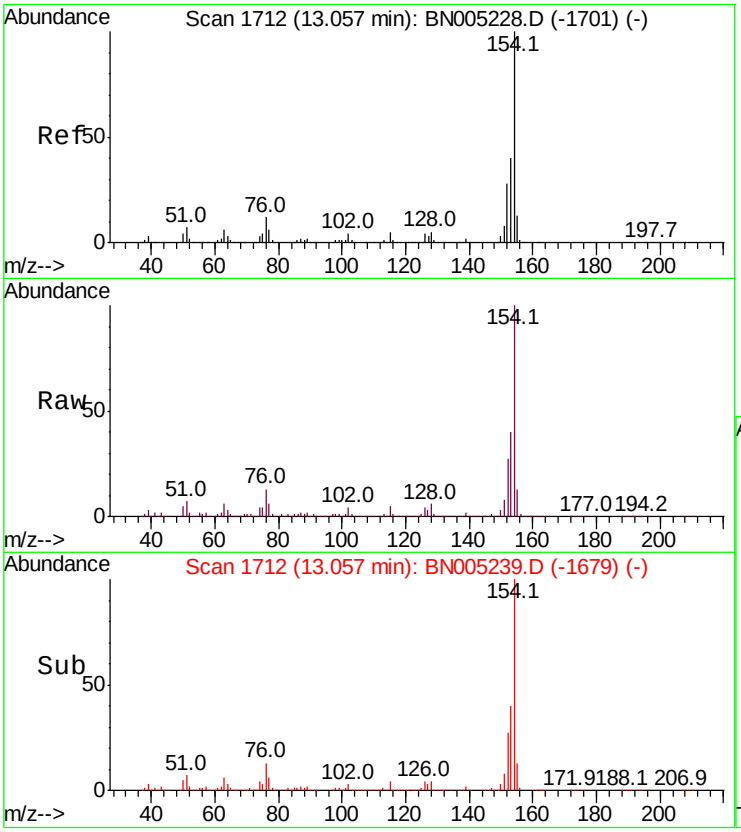


#34
2-Methylnaphthalene
Concen: 229.522 ng/ul
RT: 12.05 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:142 Resp:17952748

Ion	Ratio	Lower	Upper
142	100		
141	96.5	72.0	108.0

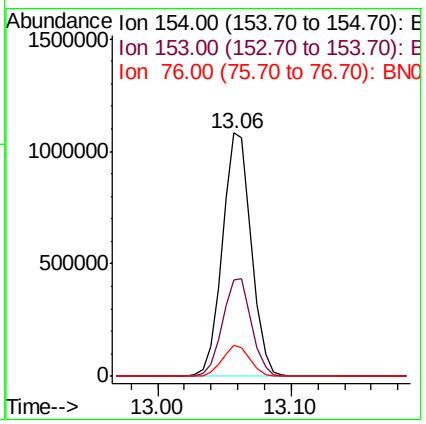




#40
1,1'-Biphenyl
Concen: 16.814 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:154 Resp: 1630771

Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.6	49.0
76	12.7	10.4	15.6



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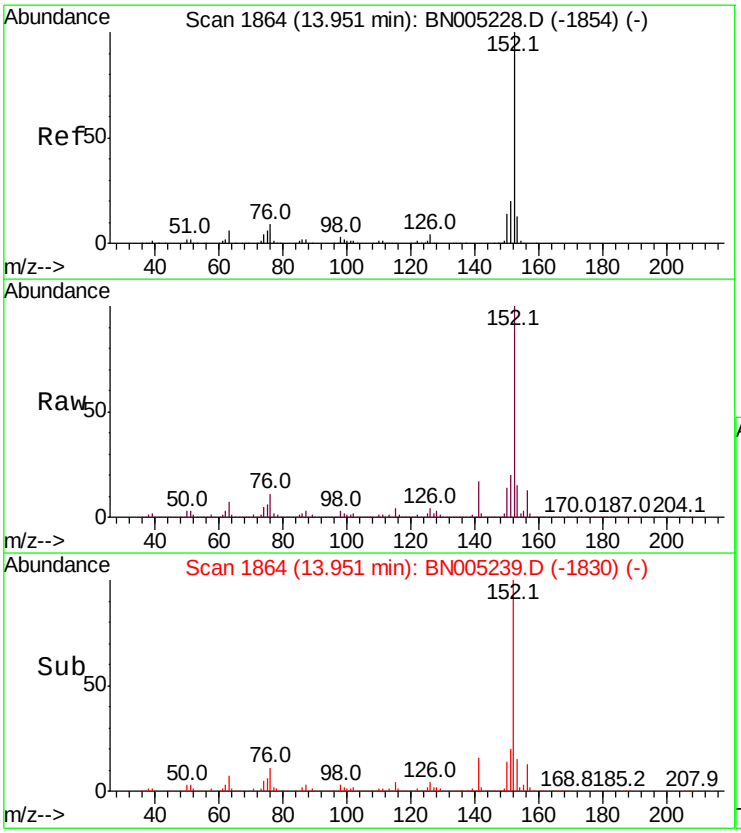
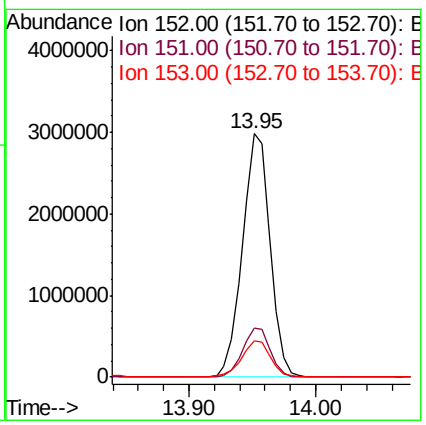
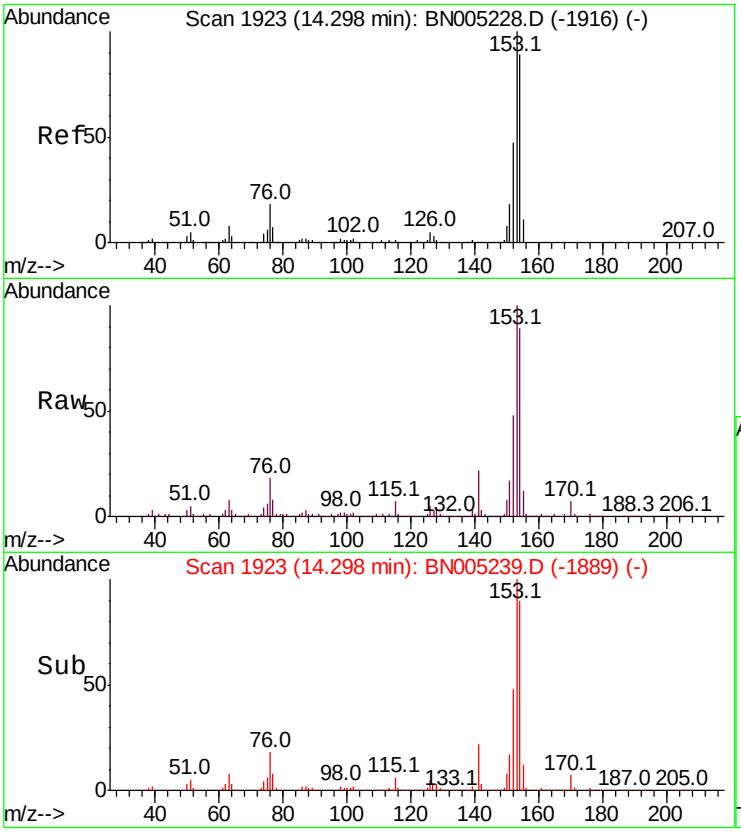


#47
Acenaphthylene
Concen: 39.638 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:152 Resp: 4521032

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	15.0	9.8	14.8#

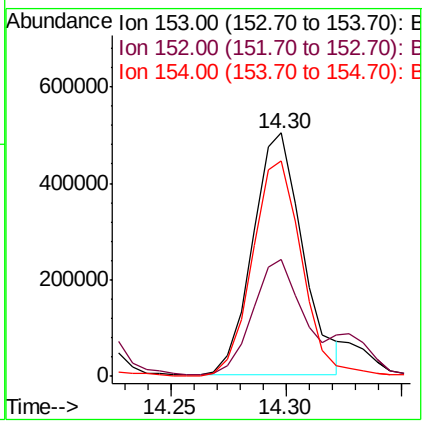




#49
Acenaphthene
Concen: 9.736 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:153 Resp: 758136

Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.4	56.0
154	88.7	71.2	106.8



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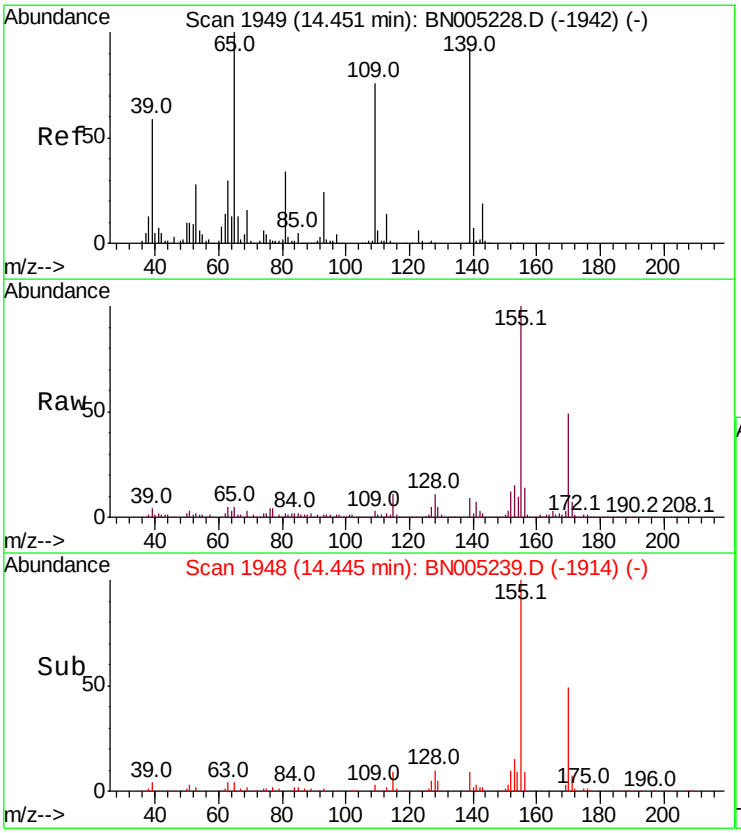
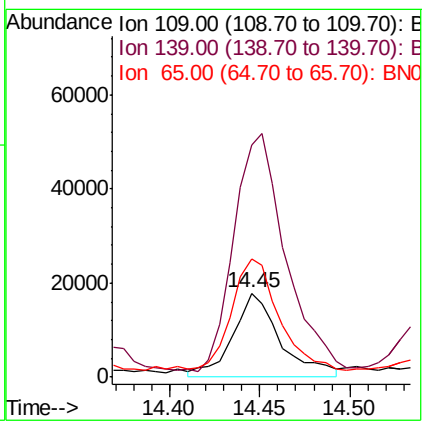
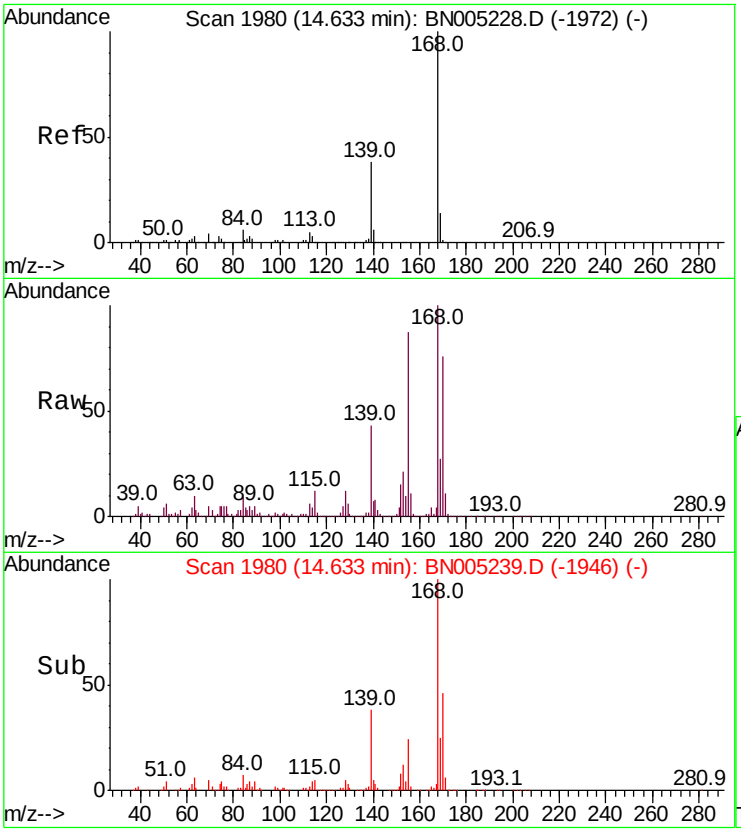


#52
4-Nitrophenol
Concen: 2.430 ng/ul m
RT: 14.45 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:109 Resp: 32913

Ion	Ratio	Lower	Upper
109	100		
139	277.4	92.3	138.5#
65	141.4	97.5	146.3





#53
Dibenzofuran
Concen: 6.227 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:168 Resp: 698076

Ion	Ratio	Lower	Upper
168	100		
139	43.1	30.9	46.3

Instrument :
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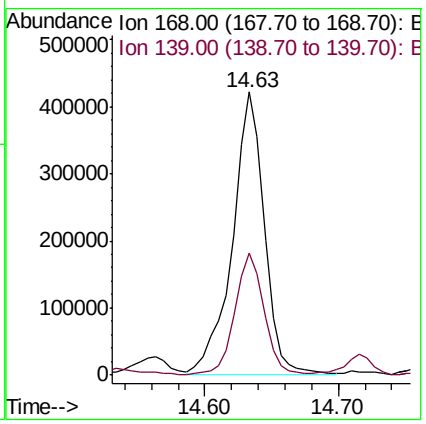
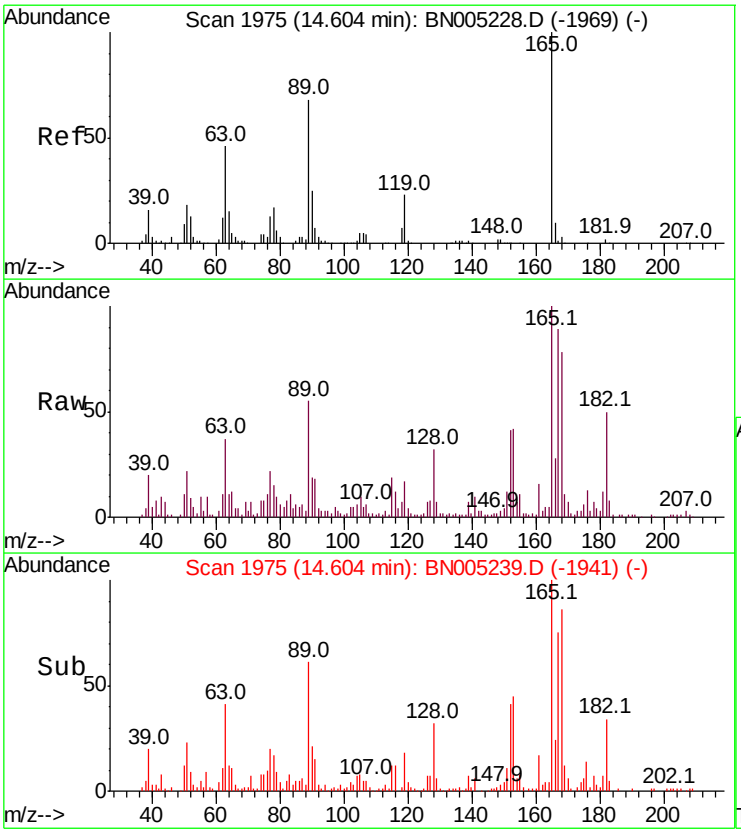
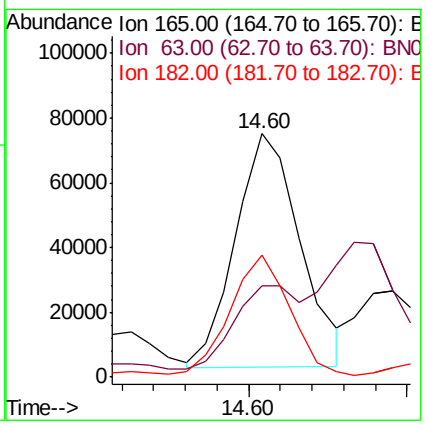


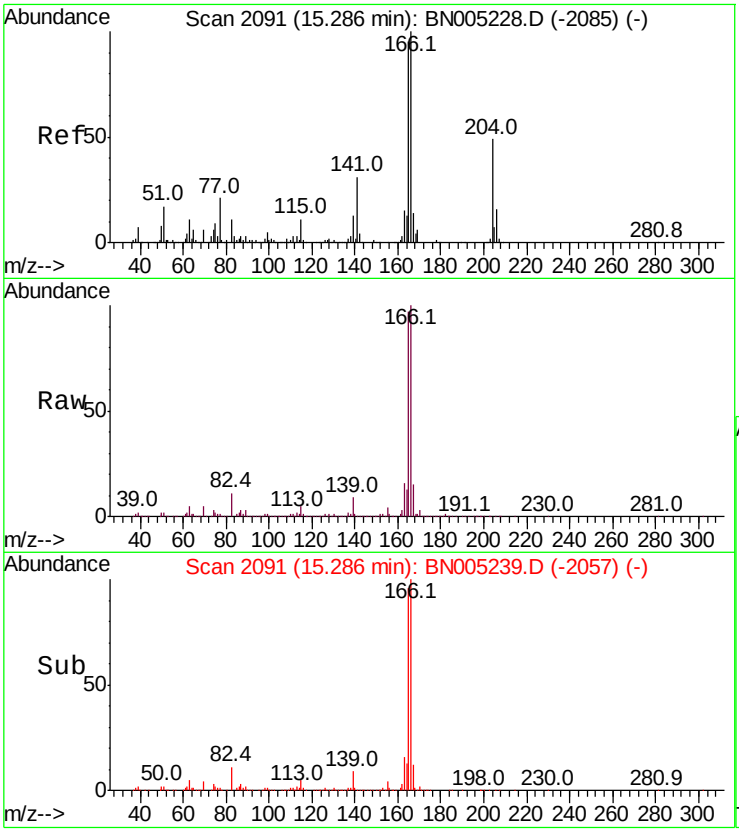


#54
2,4-Dinitrotoluene
Concen: 4.377 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:165 Resp: 102593

Ion	Ratio	Lower	Upper
165	100		
63	37.5	38.9	58.3#
182	50.2	2.6	3.8#

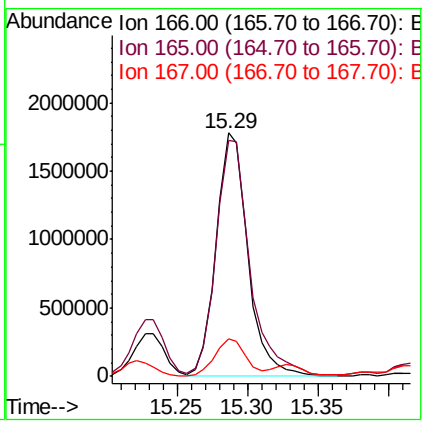




#58
Fluorene
Concen: 31.493 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:166 Resp: 2755002

Ion	Ratio	Lower	Upper
166	100		
165	97.1	80.0	120.0
167	15.3	10.7	16.1



Instrument :
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ClientSampleId :
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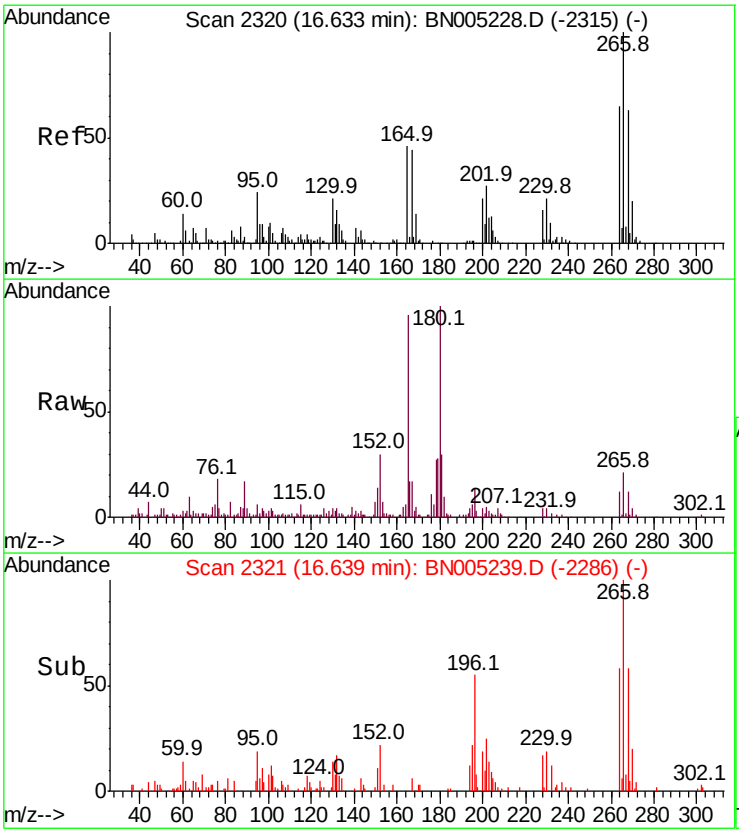
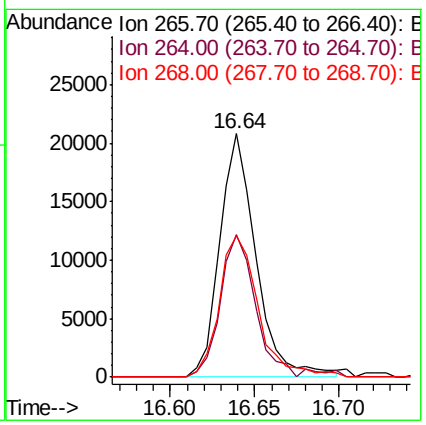
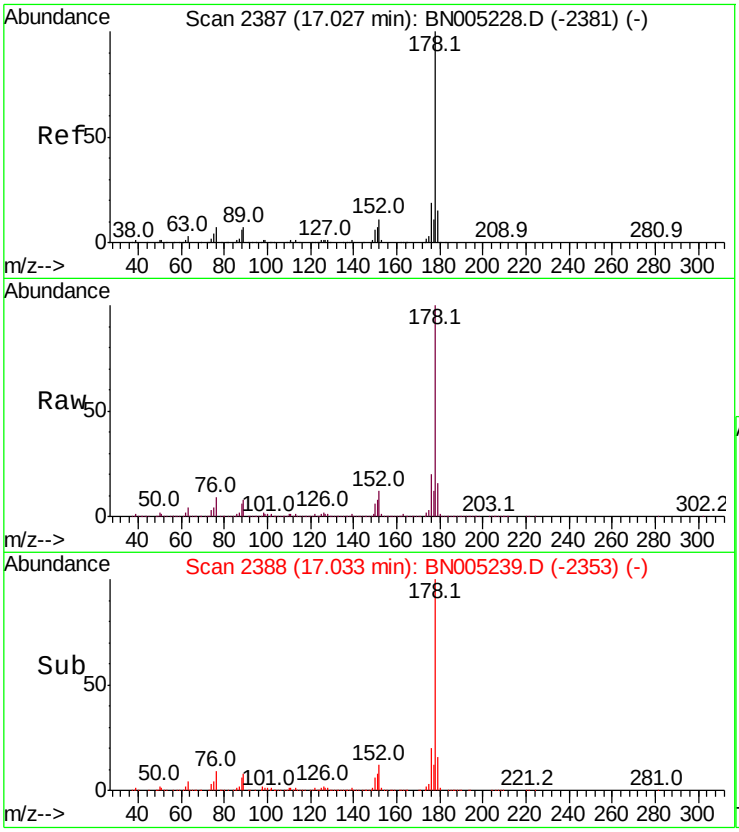


#68
Pentachlorophenol
Concen: 1.956 ng/ul
RT: 16.64 min Scan# 2321
Delta R.T. 0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:266 Resp: 31119

Ion	Ratio	Lower	Upper
266	100		
264	58.3	49.7	74.5
268	57.9	52.4	78.6

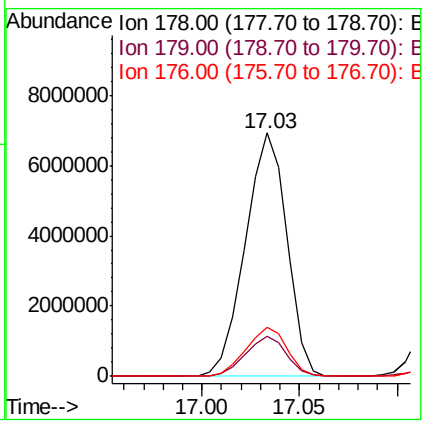




#69
Phenanthrene
Concen: 82.452 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:178 Resp:10169469

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.4
176	20.3	15.1	22.7



Instrument :
BNA_N
ClientSampleId :
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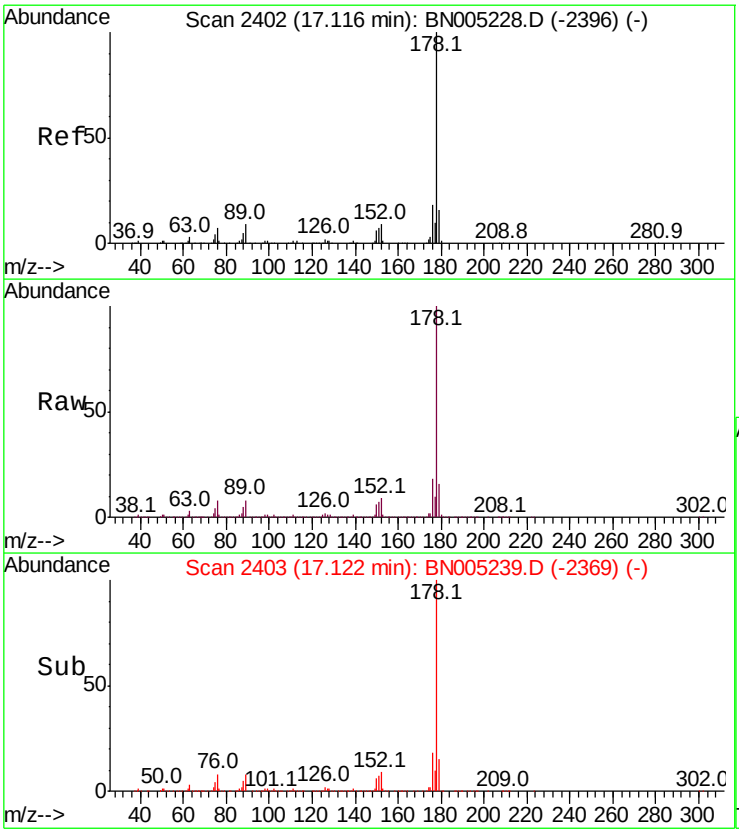
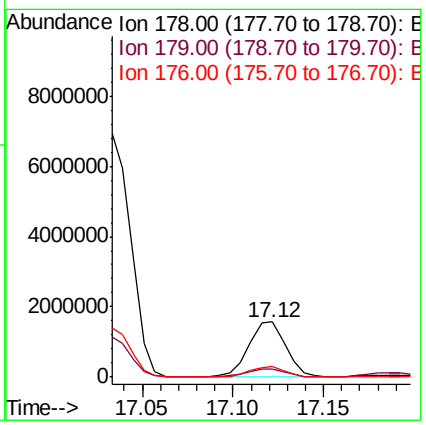
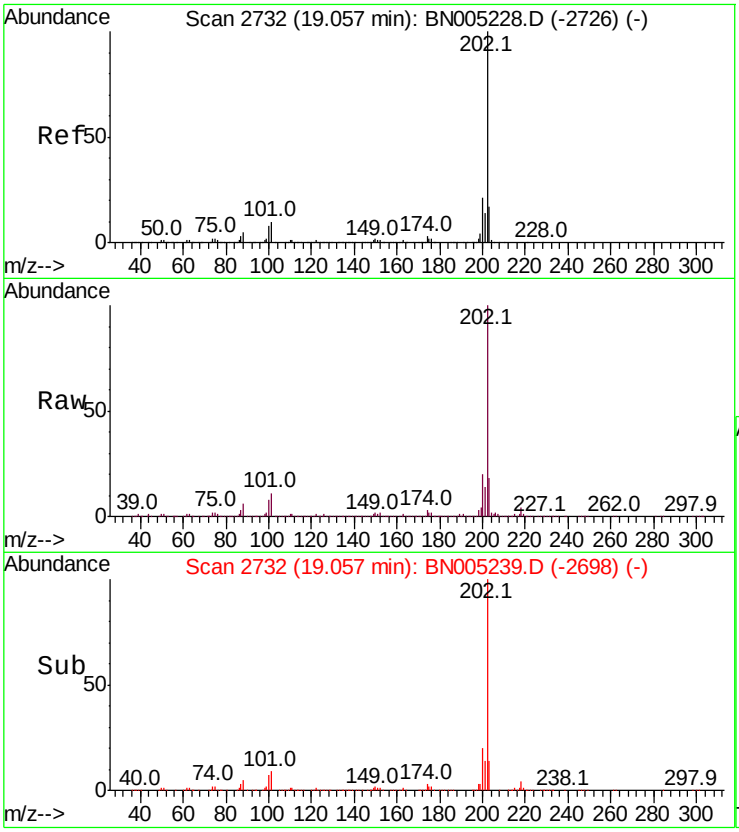


#71
Anthracene
Concen: 17.621 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:178 Resp: 2213932

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.5	15.1	22.7

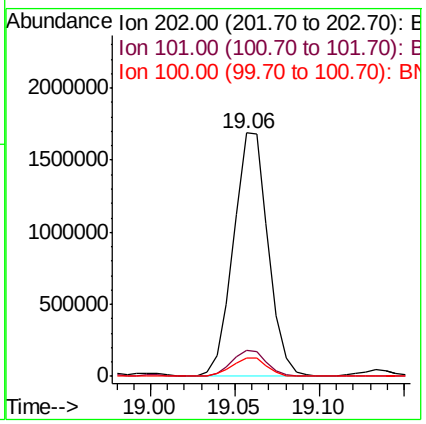




#76
Fluoranthene
Concen: 17.444 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:202 Resp: 2386421

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.6	12.8
100	7.7	6.3	9.5



Instrument :
BNA_N
ClientSampleId :
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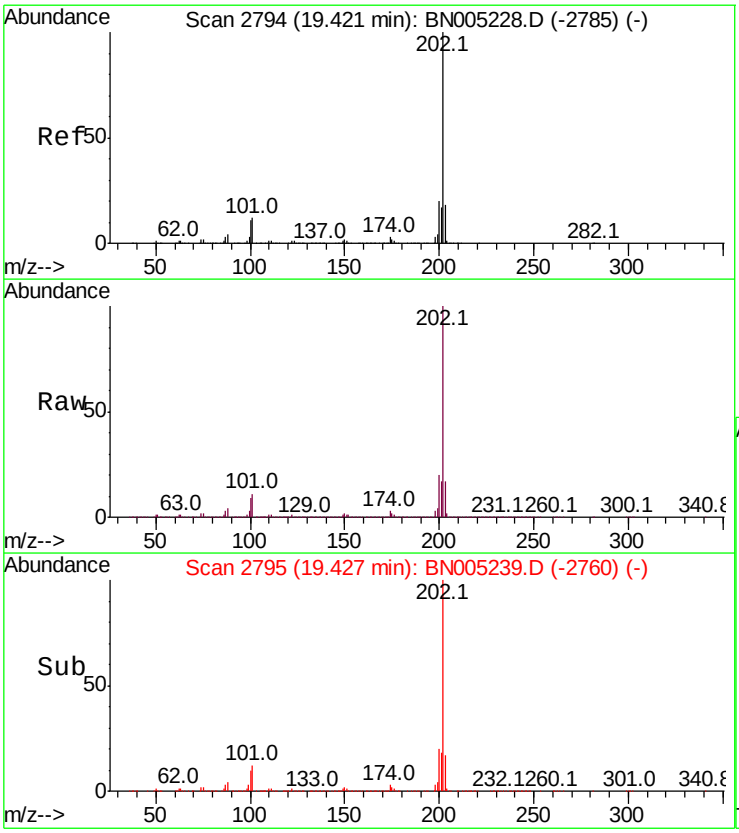
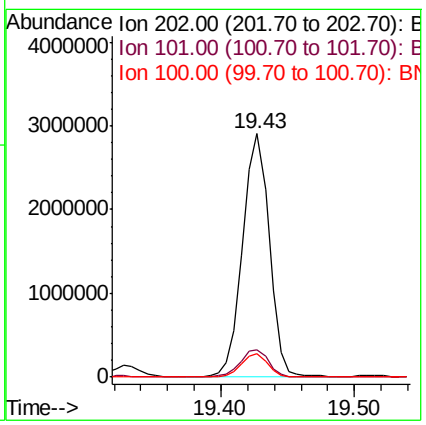
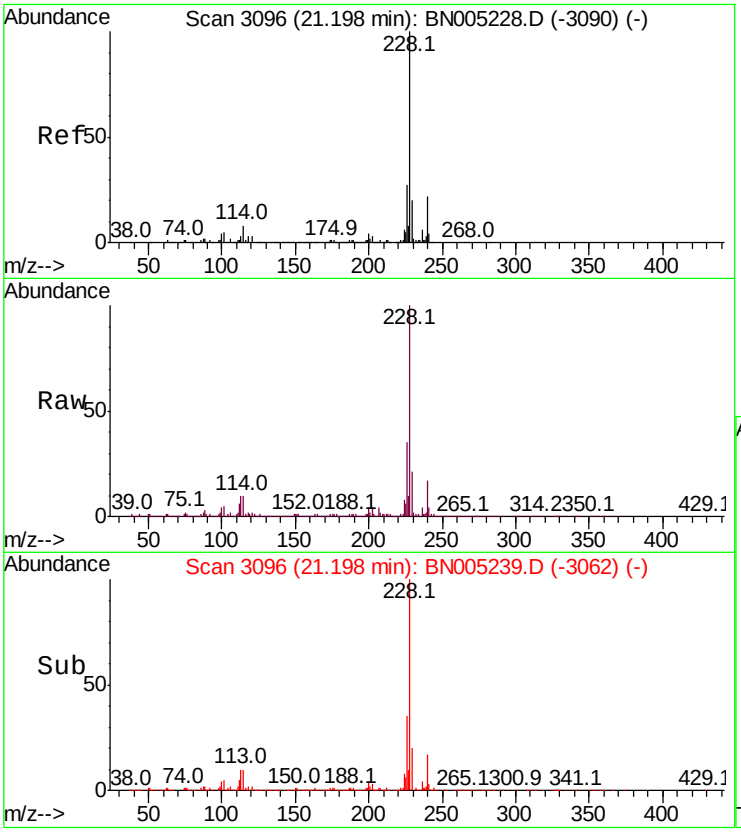


#79
Pyrene
Concen: 33.159 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:202 Resp: 3981985

Ion	Ratio	Lower	Upper
202	100		
101	11.3	10.3	15.5
100	9.4	7.9	11.9

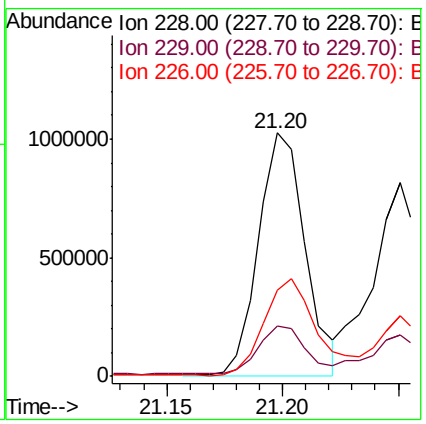




#82
Benzo(a)anthracene
Concen: 12.436 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:228 Resp: 1442962

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	35.4	21.4	32.2#



Instrument :
BNA_N
ClientSampleId :
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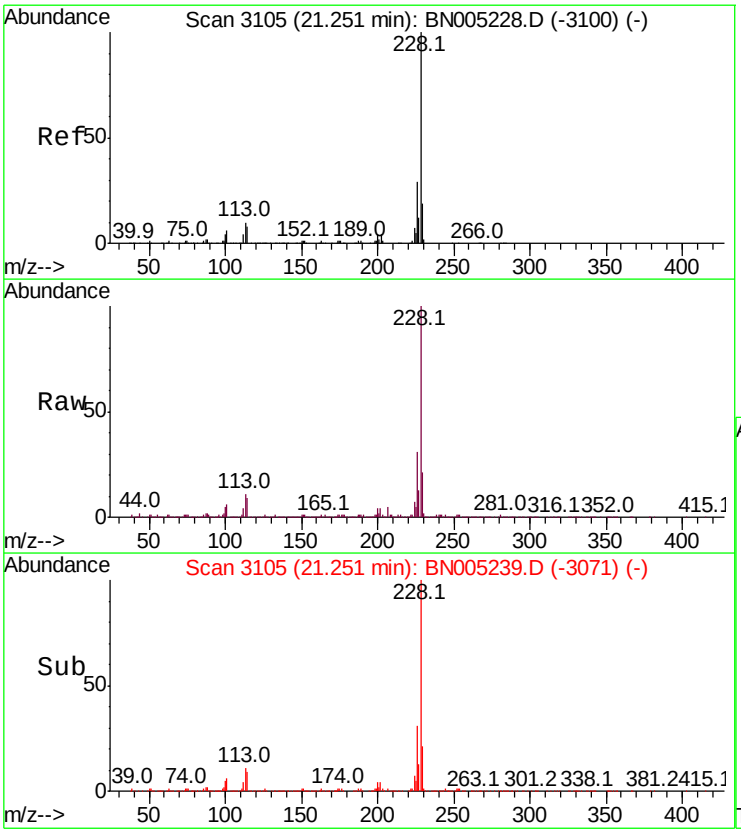
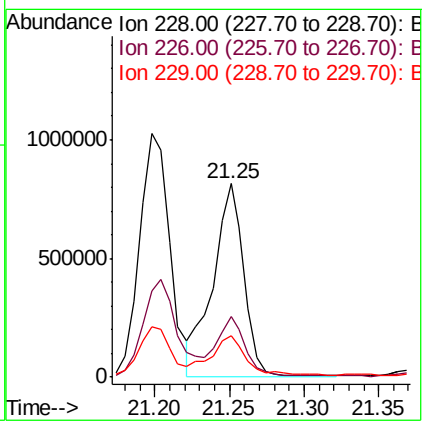
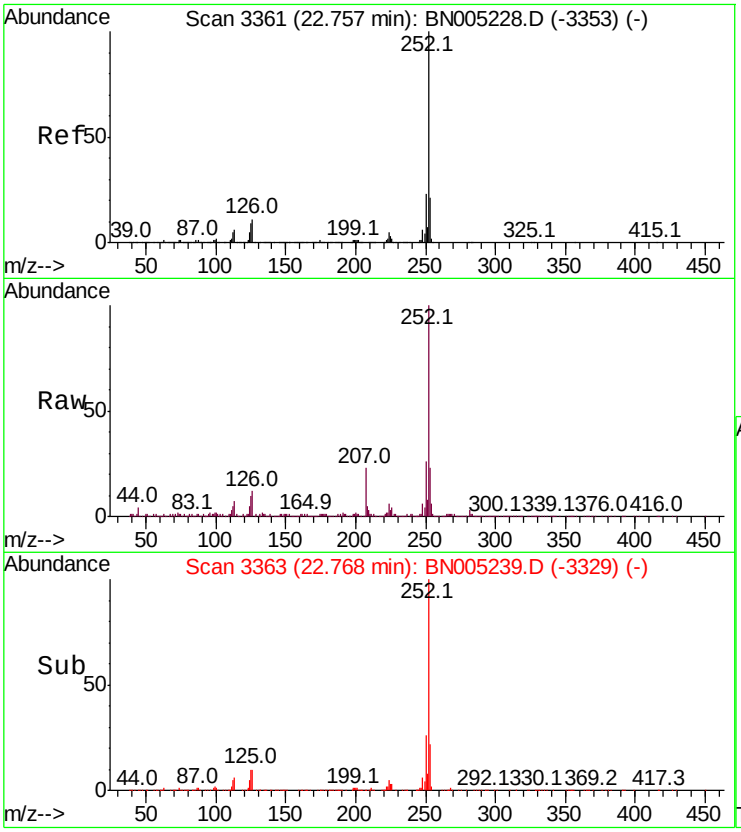


#84
Chrysene
Concen: 10.972 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:228 Resp: 1181479

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	21.4	15.4	23.0

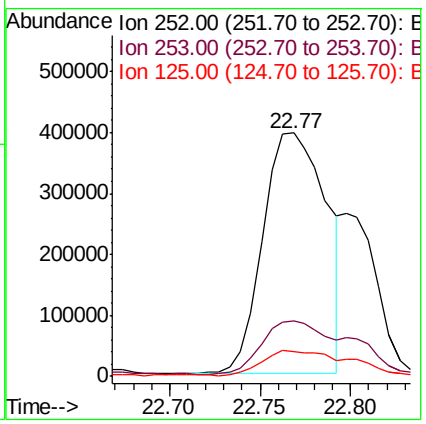




#87
Benzo(b)fluoranthene
Concen: 8.444 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. -0.00 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:252 Resp: 968857

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.3	8.4	12.6



Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

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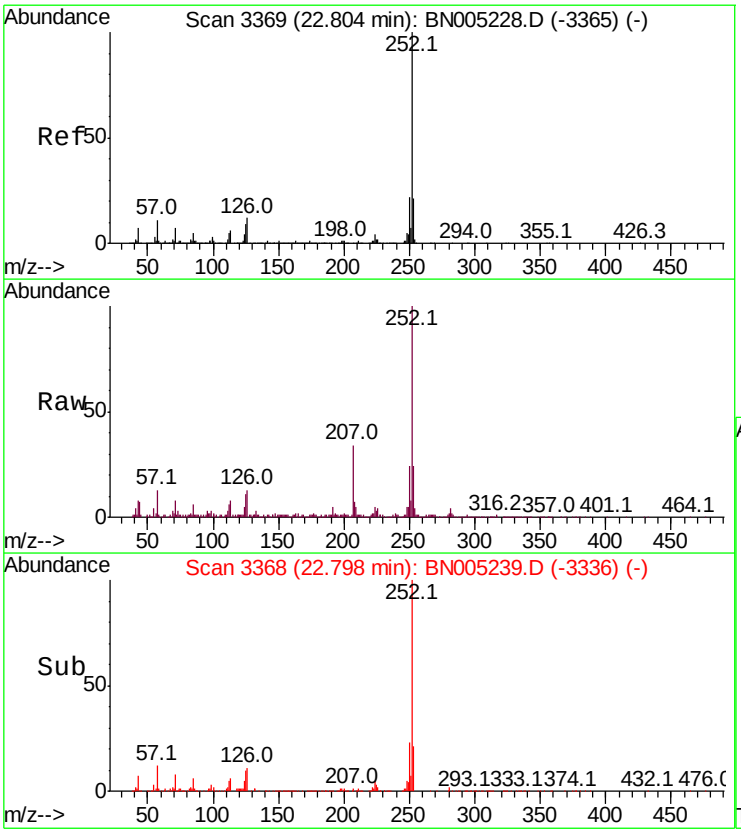
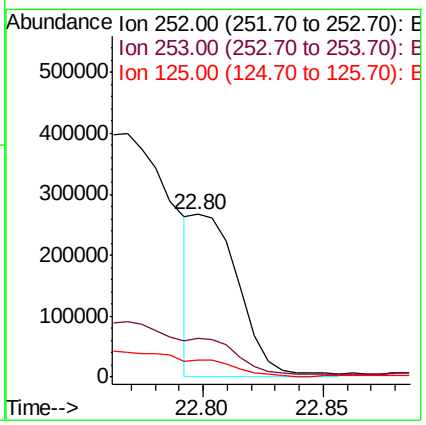
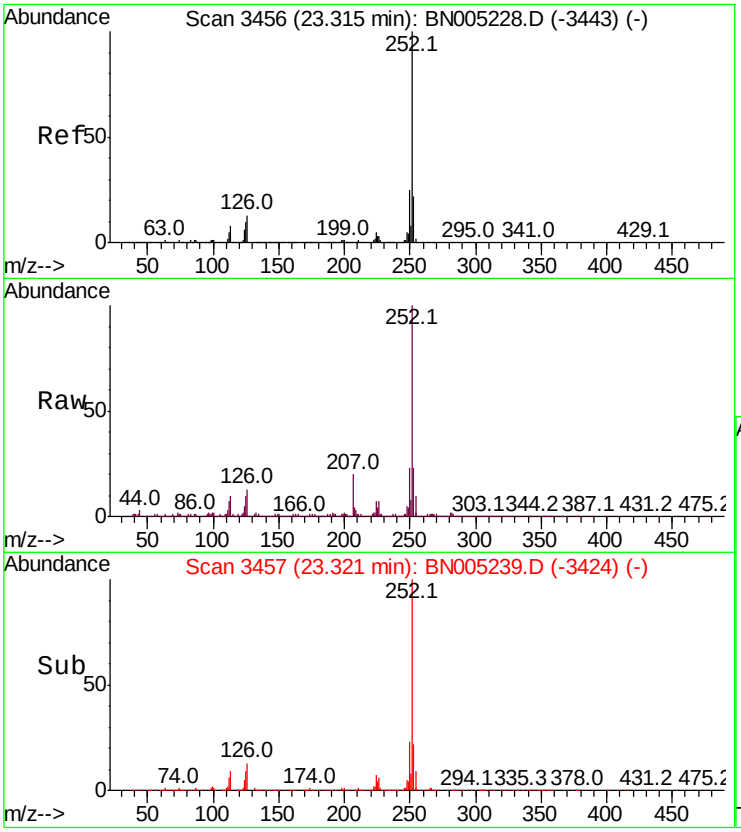


#88
Benzo(k)fluoranthene
Concen: 3.323 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:252 Resp: 364197

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	10.7	7.5	11.3

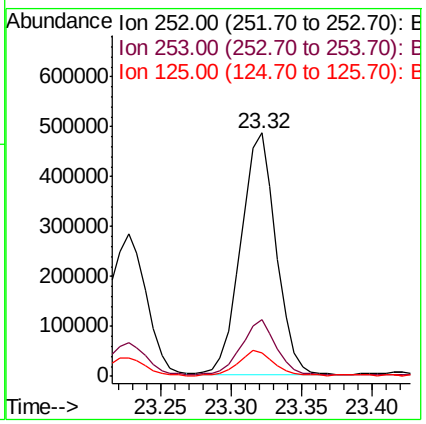




#90
Benzo(a)pyrene
Concen: 7.840 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:252 Resp: 845569

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	9.9	8.6	13.0



Instrument :
BNA_N
ClientSampleId :
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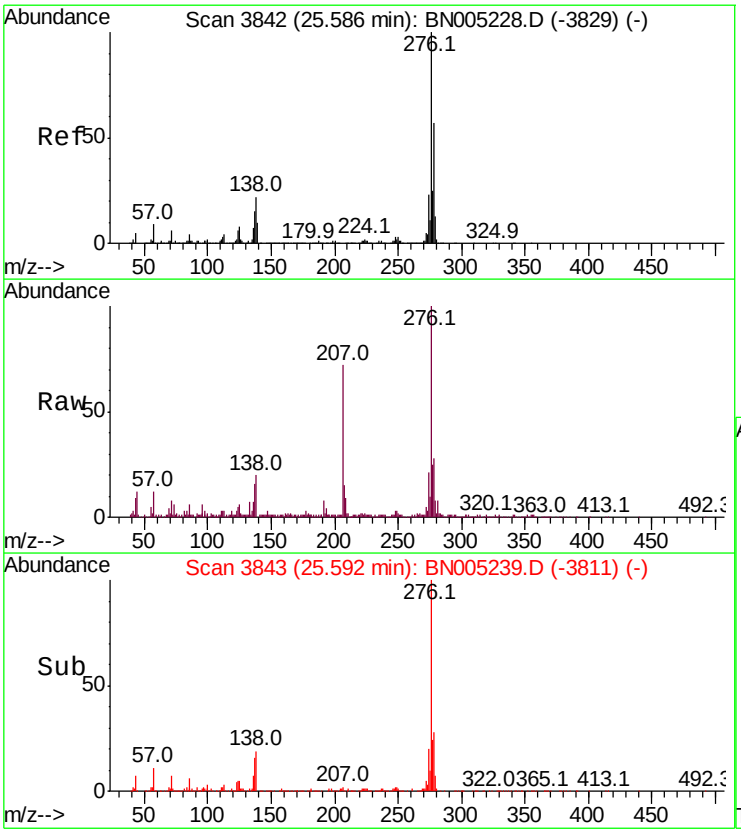
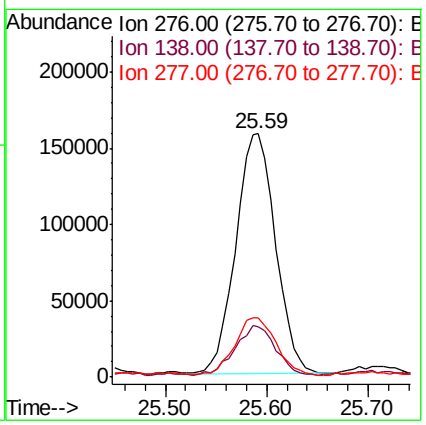
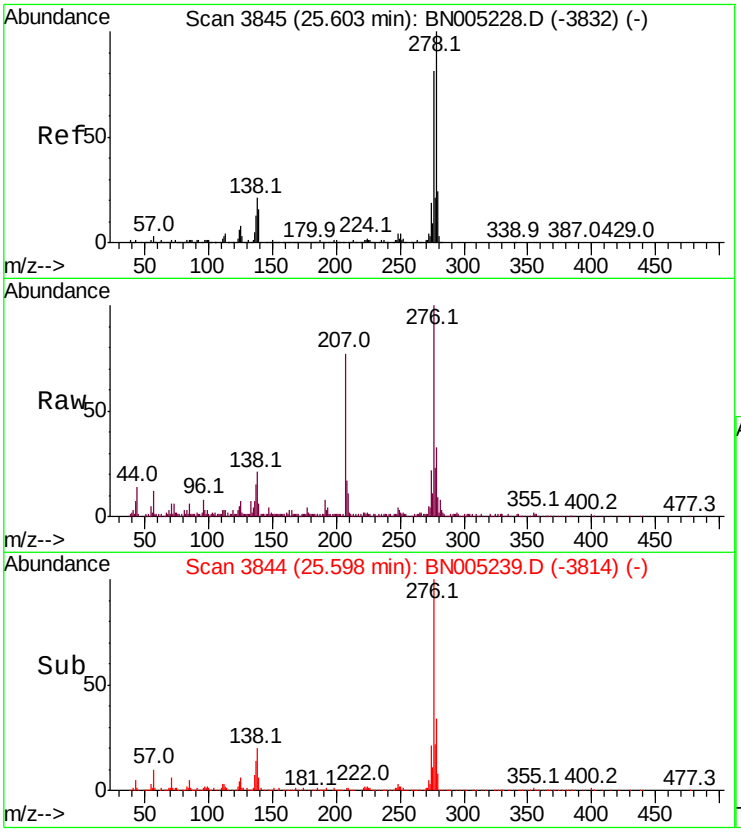


#91
Indeno(1,2,3-cd)pyrene
Concen: 3.581 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:276 Resp: 427008

Ion	Ratio	Lower	Upper
276	100		
138	20.5	17.9	26.9
277	24.5	19.7	29.5

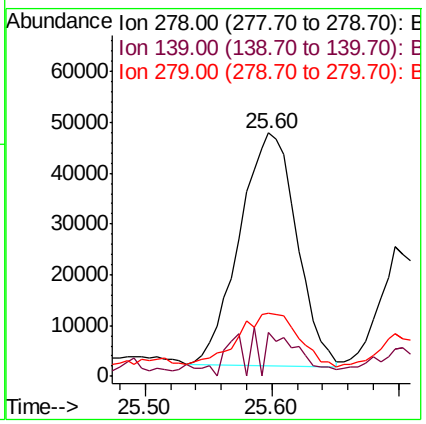




#92
Dibenzo(a,h)anthracene
Concen: 1.423 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:278 Resp: 143959

Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.1	19.7
279	25.8	19.4	29.0



Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

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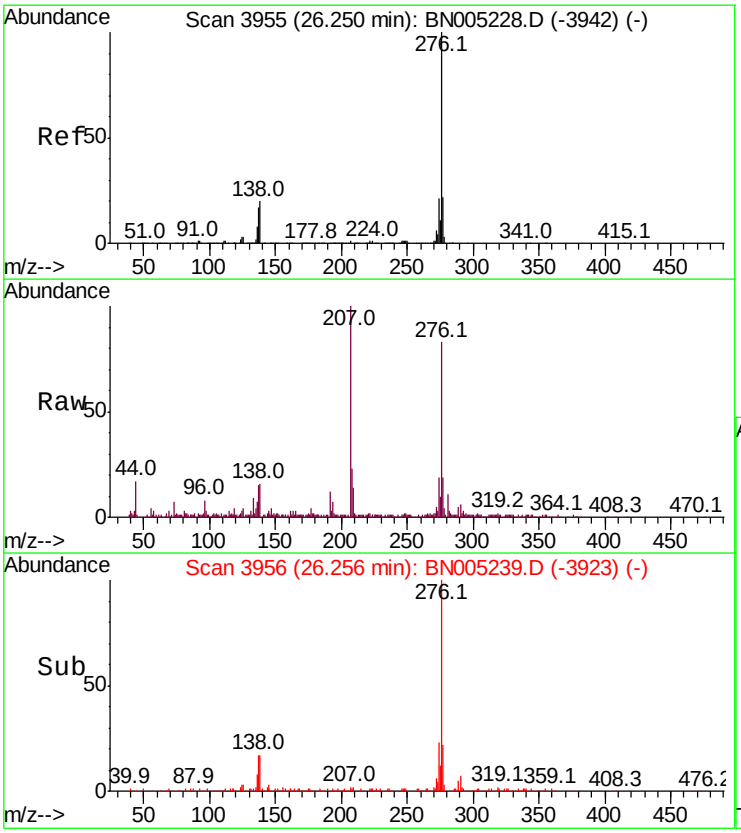
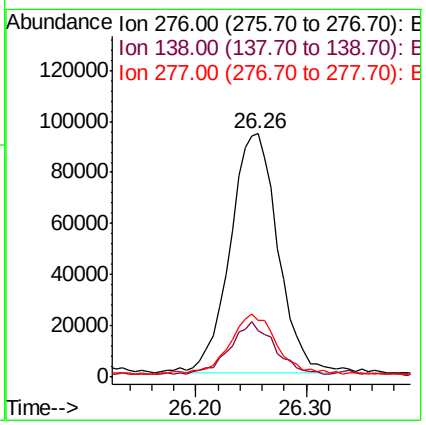


#93
Benzo(g,h,i)perylene
Concen: 2.847 ng/ul
RT: 26.26 min Scan# 3956
Delta R.T. -0.01 min
Lab File: BN005239.D
Acq: 24 Apr 2019 05:59

Tgt Ion:276 Resp: 280687

Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.7	25.1
277	23.3	18.2	27.2