

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
 Data File : BN005470.D
 Acq On : 04 May 2019 02:26
 Operator : JU/SJ
 Sample : K2603-15DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAJ67DL

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:38 AM

Quant Time: May 06 02:12:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	271764	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1128502	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	762421	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1642268	20.00	ng/ul	0.01
77) Chrysene-d12	21.23	240	1229229	20.00	ng/ul	0.01
85) Perylene-d12	23.42	264	1287827	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	17821	3.17	ng/uL	0.00
5) Phenol-d5	6.78	99	434935	20.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	256685	19.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	361853	22.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	351589	21.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	200369	28.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	217020	30.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	383323	23.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	370620	22.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1193557	21.57	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1462080	21.51	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	154615	17.69	ng/ul	0.00
57) Fluorene-d10	15.23	176	1020174	21.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	53834	7.29	ng/ul	0.04
70) Anthracene-d10	17.10	188	1592828	23.14	ng/ul	0.02
78) Pyrene-d10	19.41	212	1754493	27.90	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.29	264	1308449	23.25	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	32194	1.466	ng/ul	94
14) Acetophenone	8.39	105	94620	3.543	ng/ul#	66
28) Naphthalene	10.41	128	36430831m	694.420	ng/ul	
34) 2-Methylnaphthalene	12.05	142	23200919m	603.979	ng/ul	
40) 1,1'-Biphenyl	13.06	154	5703391	100.399	ng/ul	98
44) Dimethylphthalate	13.69	163	383630	6.956	ng/ul	99
47) Acenaphthylene	13.96	152	20445409m	306.053	ng/ul	
49) Acenaphthene	14.29	153	2147630	47.091	ng/ul	99
53) Dibenzofuran	14.63	168	2205112	33.583	ng/ul	97
58) Fluorene	15.30	166	13263773	258.871	ng/ul	96
69) Phenanthrene	17.03	178	30002512m	375.120	ng/ul	
71) Anthracene	17.13	178	14078272	172.790	ng/ul	94
74) Carbazole	17.39	167	391827	5.598	ng/ul#	89
76) Fluoranthene	19.07	202	21191834m	238.878	ng/ul	
79) Pyrene	19.44	202	25875906m	326.938	ng/ul	
82) Benzo(a)anthracene	21.21	228	14450918	188.973	ng/ul#	67
84) Chrysene	21.27	228	12290654	173.176	ng/ul	94
87) Benzo(b)fluoranthene	22.78	252	9120632	125.989	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	3124360m	45.190	ng/ul	
90) Benzo(a)pyrene	23.34	252	9788864m	143.858	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.62	276	4242907	56.398	ng/ul	99
92) Dibenzo(a,h)anthracene	25.62	278	1350969	21.160	ng/ul	99
93) Benzo(g,h,i)perylene	26.29	276	4114177	66.138	ng/ul	94

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

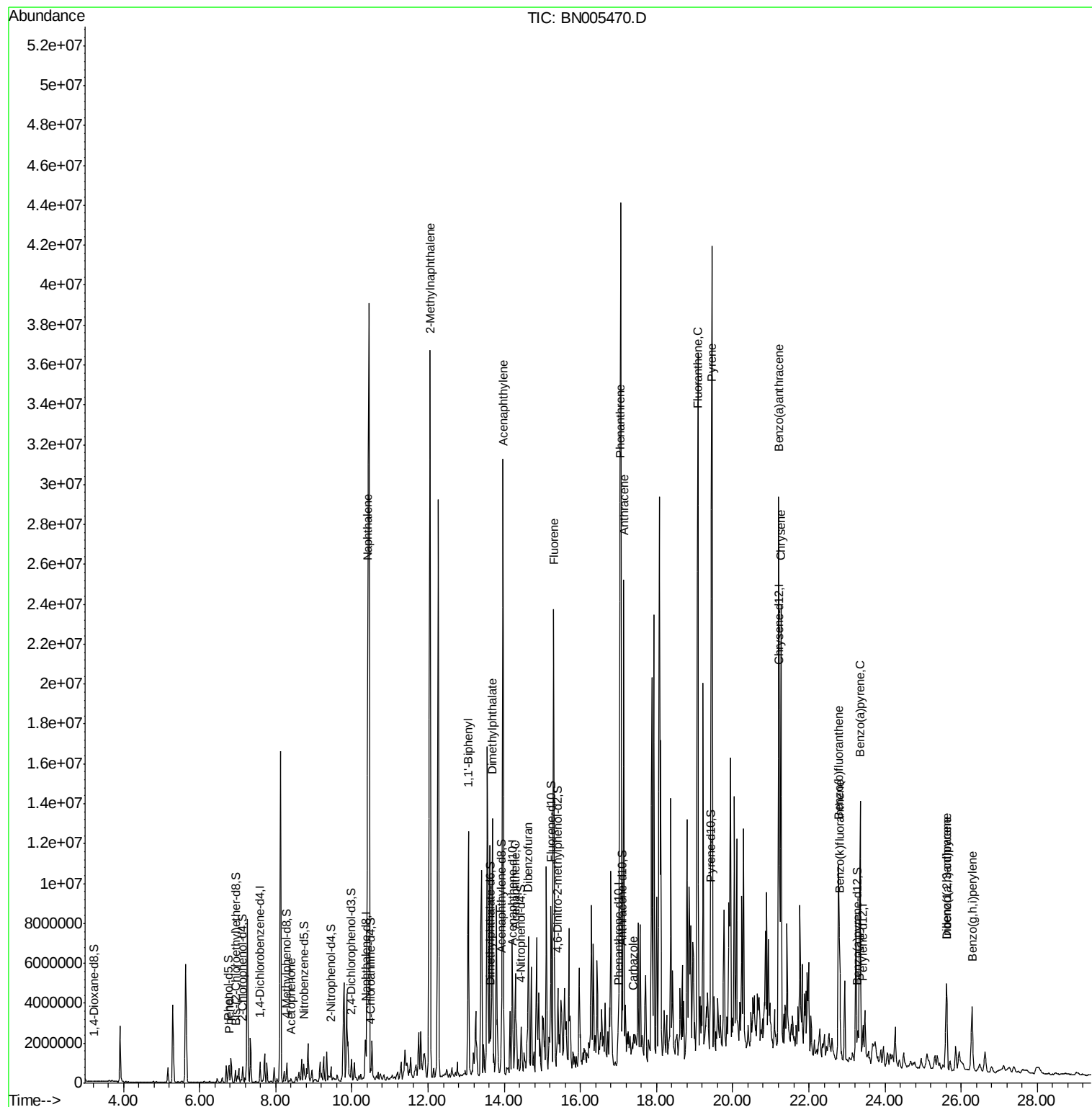
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
Data File : BN005470.D
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Operator : JU/SJ
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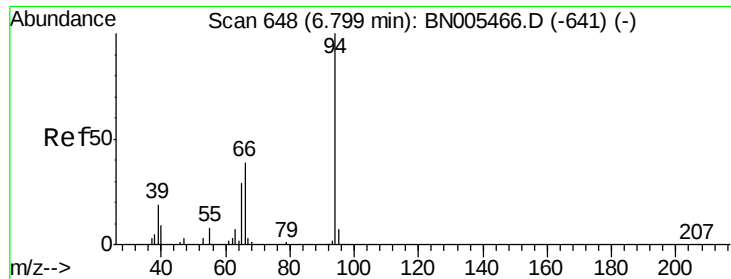
Instrument :
BNA_N
ClientSampled :
GAJ67DL

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.466 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

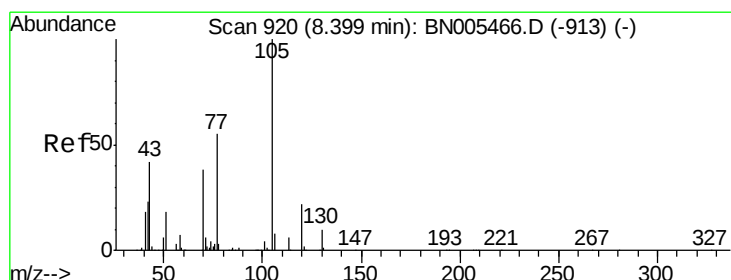
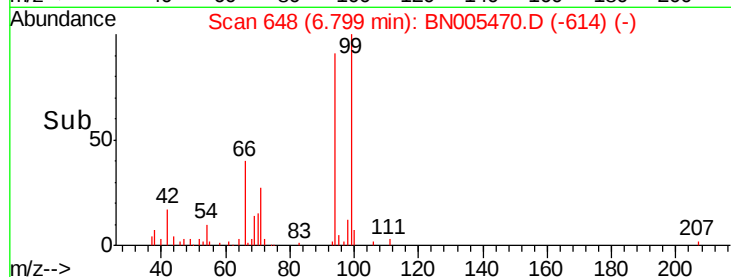
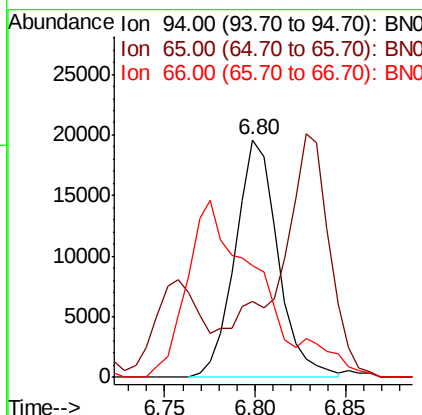
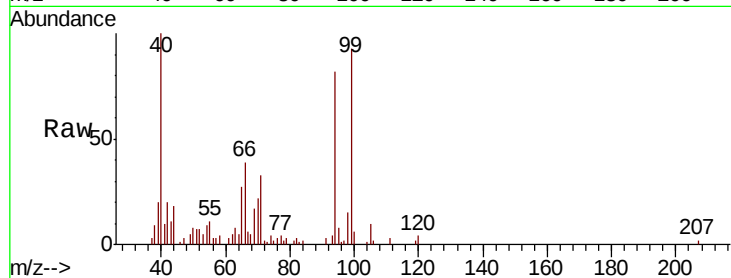
ClientSampled :

GAJ67DL

Tot Ion:	94	Resp:	32194
Ion	Ratio	Lower	Upper
94	100		
65	32.2	24.2	36.4
66	47.0	33.8	50.6

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#14

Acetophenone

Concen: 3.543 ng/ul

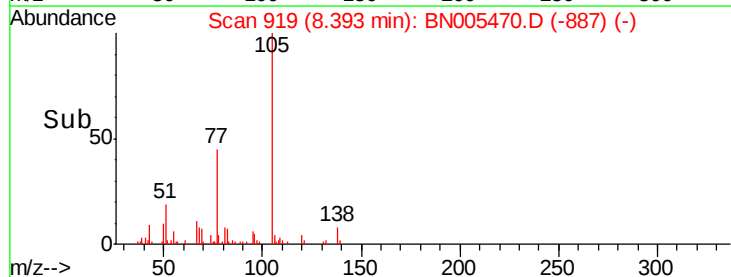
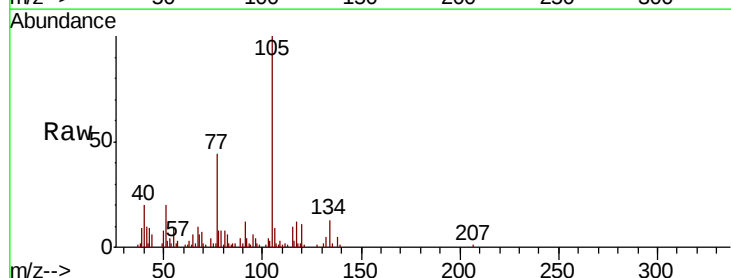
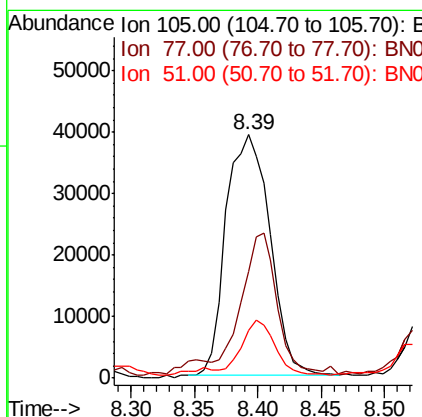
RT: 8.39 min Scan# 919

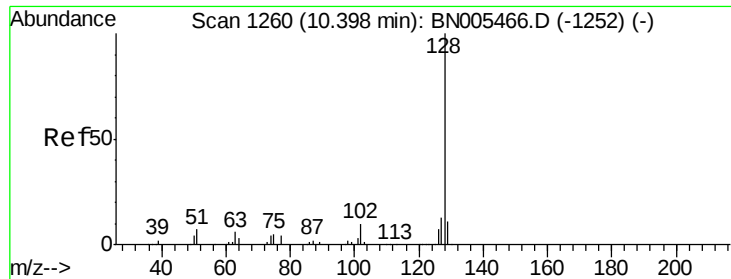
Delta R.T. -0.01 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Tgt Ion:	105	Resp:	94620
Ion	Ratio	Lower	Upper
105	100		
77	44.0	63.4	95.0#
51	19.6	24.2	36.4#





#28

Naphthalene

Concen: 694.420 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

ClientSampled :

GAJ67DL

Tot Ion:128 Resp:36430831

Ion Ratio Lower Upper

128 100

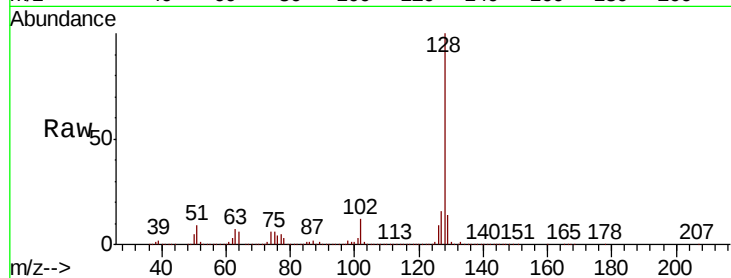
129 13.9 9.2 13.8#

127 16.0 10.7 16.1

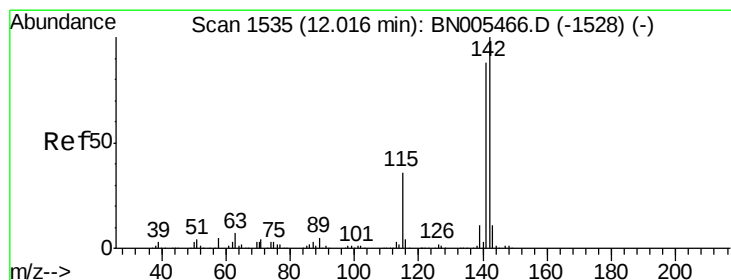
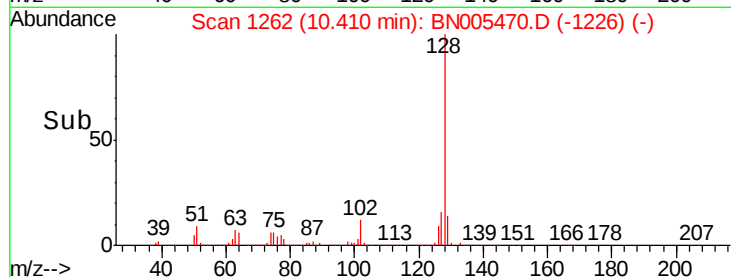
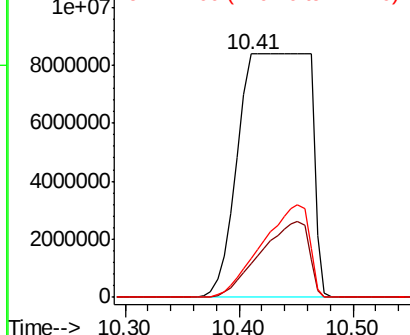
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 603.979 ng/ul m

RT: 12.05 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BN005470.D

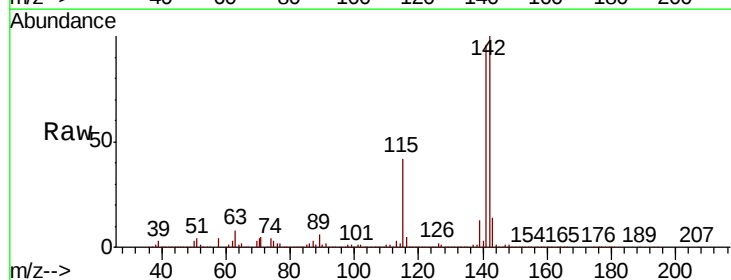
Acq: 04 May 2019 02:26

Tgt Ion:142 Resp:23200919

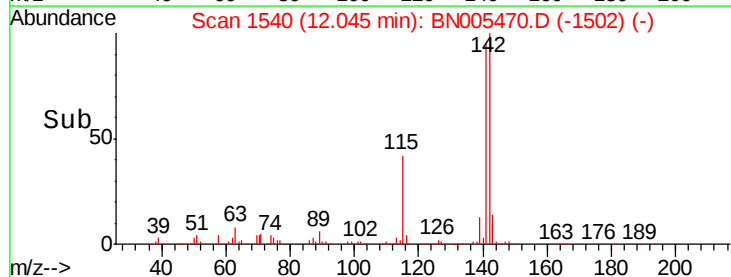
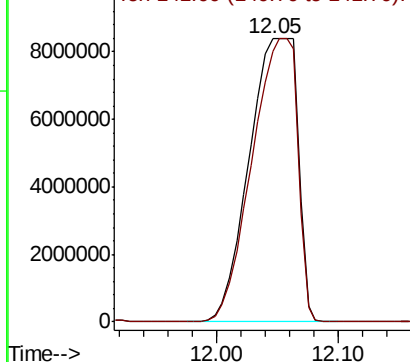
Ion Ratio Lower Upper

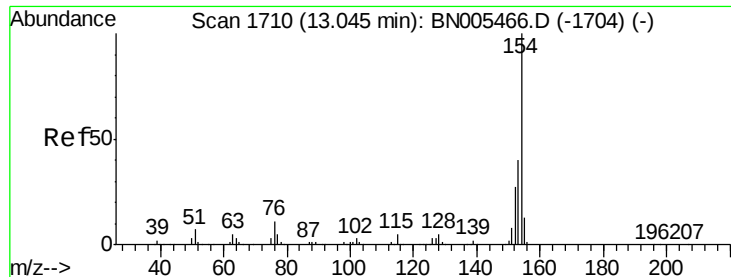
142 100

141 95.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 100.399 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

ClientSampled :

GAJ67DL

Tot Ion:154 Resp: 5703391

Ion Ratio Lower Upper

154 100

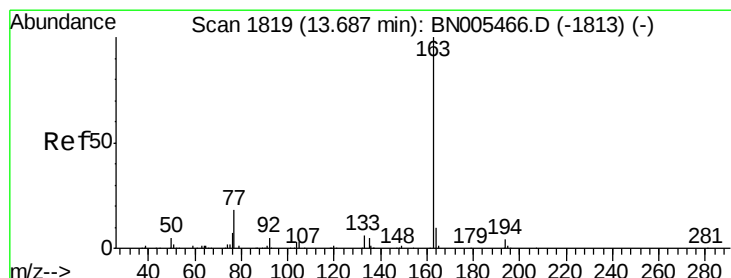
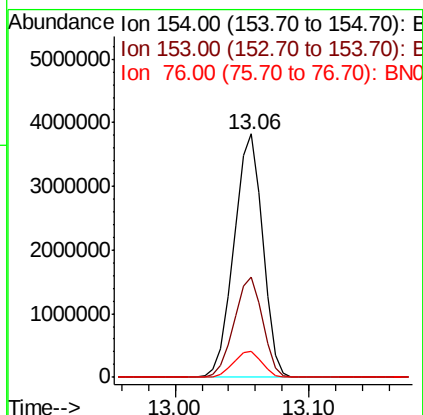
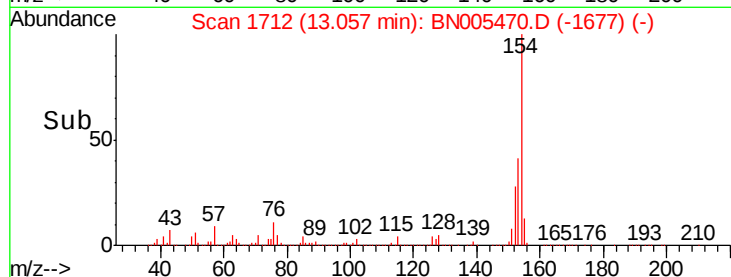
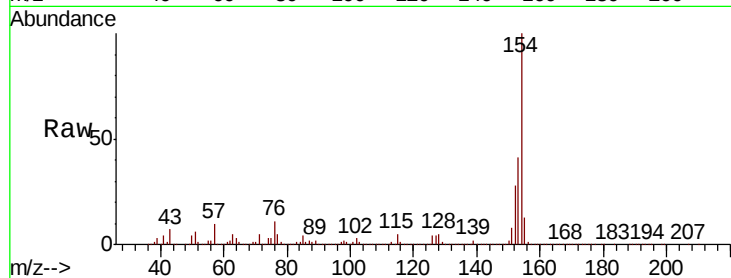
153 41.3 32.6 49.0

76 10.8 10.4 15.6

Manual Integrations
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#44

Dimethylphthalate

Concen: 6.956 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

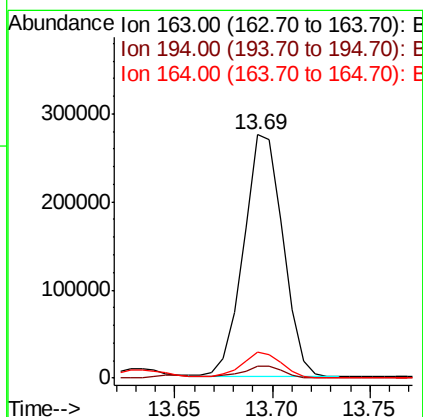
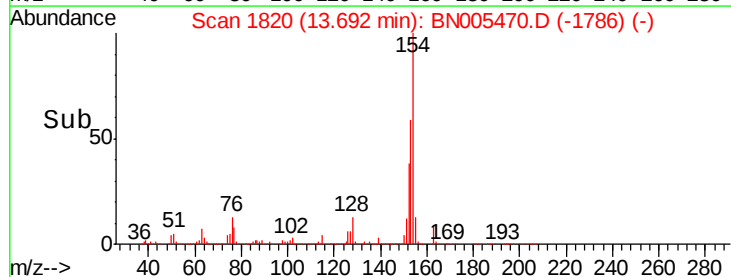
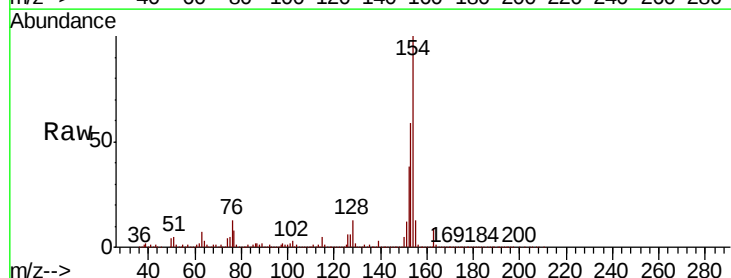
Tgt Ion:163 Resp: 383630

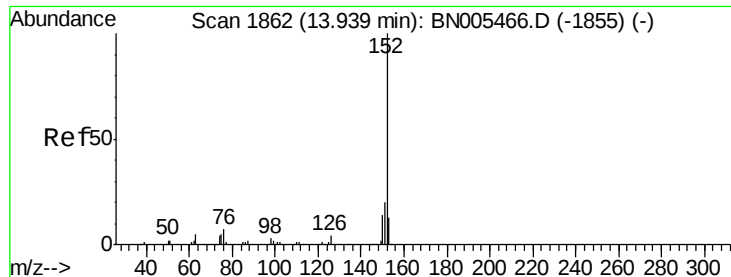
Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

164 10.5 8.1 12.1





#47

Acenaphthylene

Concen: 306.053 ng/ul m

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

ClientSampled :

GAJ67DL

Tot Ion:152 Resp:20445409

Ion Ratio Lower Upper

152 100

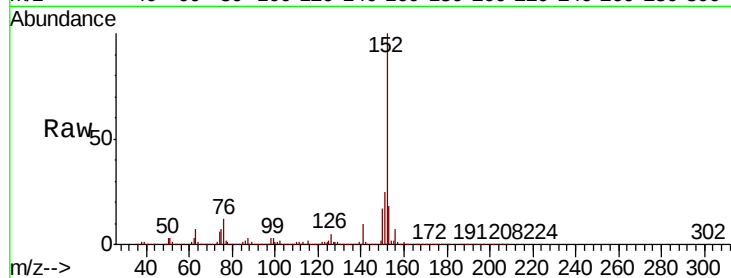
151 24.9 15.8 23.8#

153 17.8 9.8 14.8#

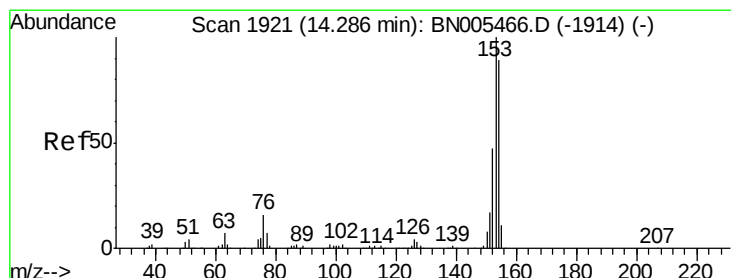
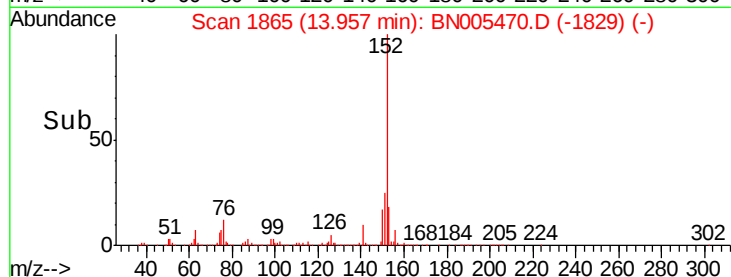
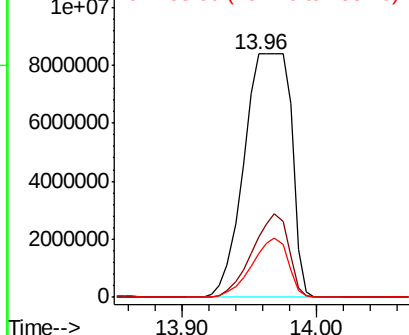
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 47.091 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

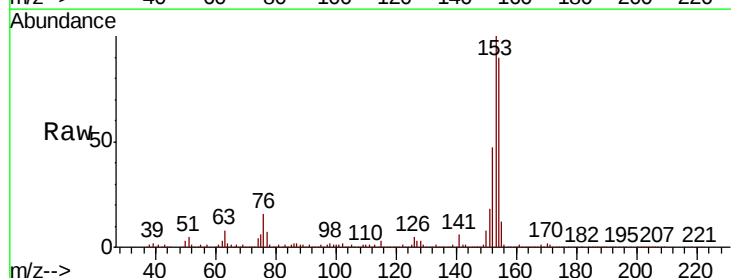
Tgt Ion:153 Resp: 2147630

Ion Ratio Lower Upper

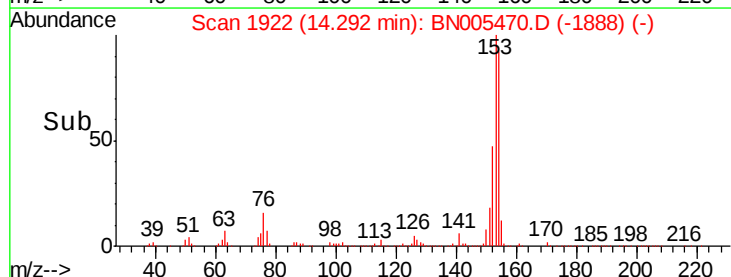
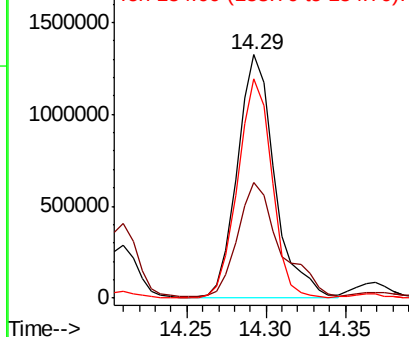
153 100

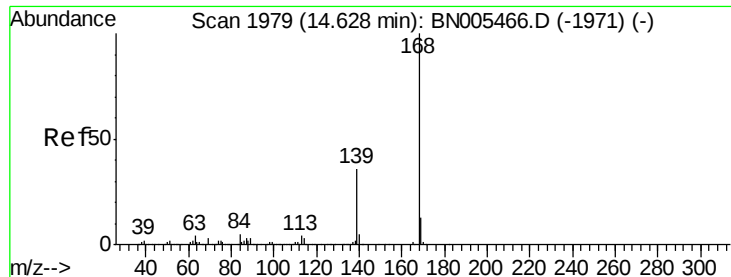
152 47.3 37.4 56.0

154 89.9 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 33.583 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

ClientSampled :

GAJ67DL

Tot Ion:168 Resp: 2205112

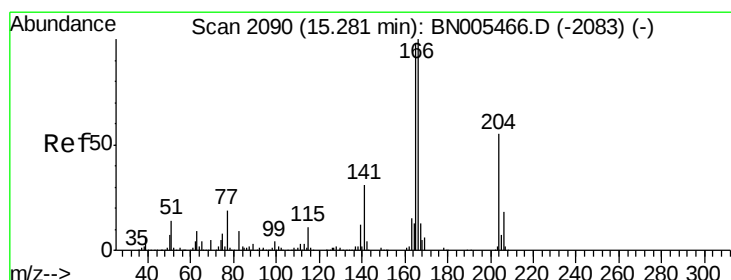
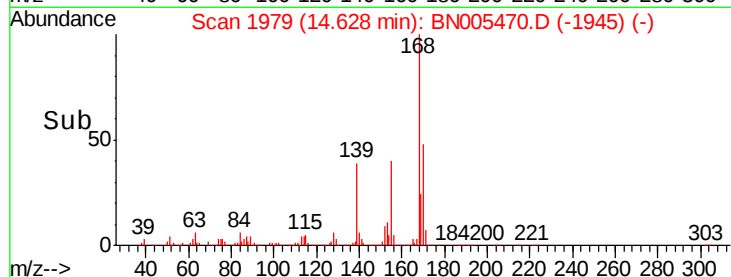
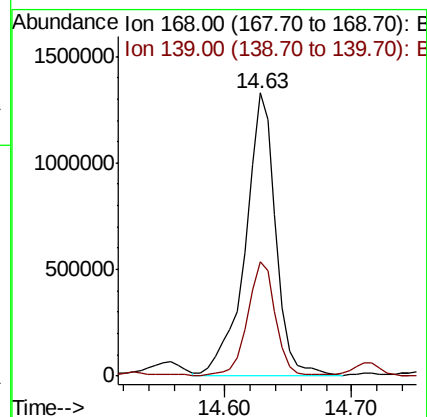
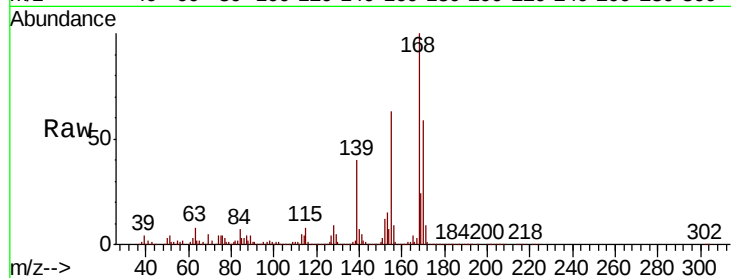
Ion Ratio Lower Upper

168 100

139 40.4 30.9 46.3

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#58

Fluorene

Concen: 258.871 ng/ul

RT: 15.30 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

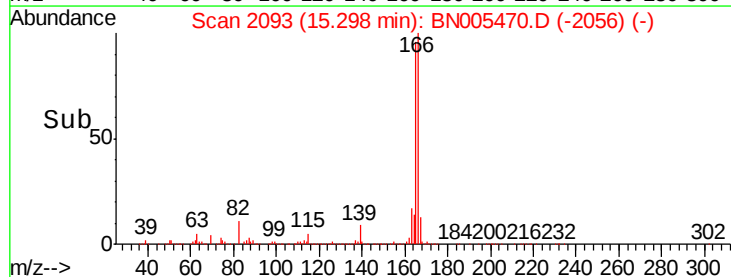
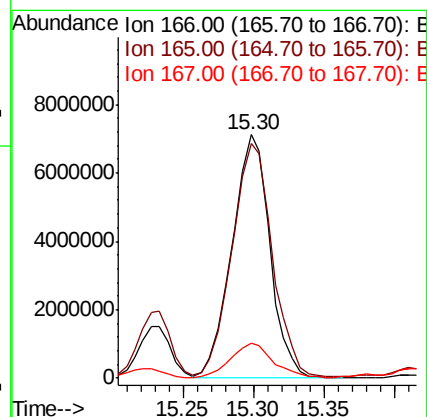
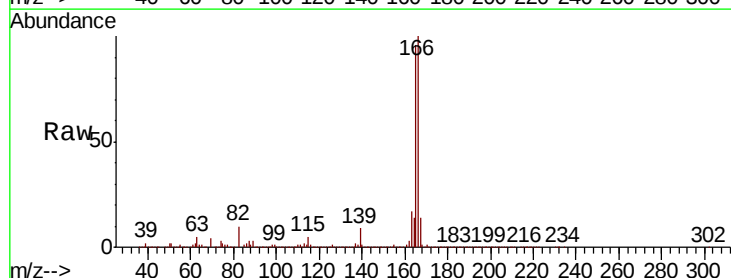
Tgt Ion:166 Resp:13263773

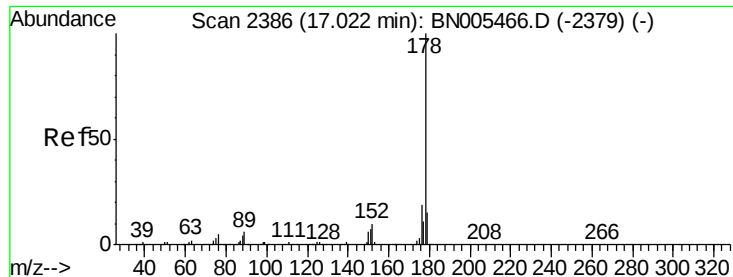
Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

167 14.3 10.7 16.1





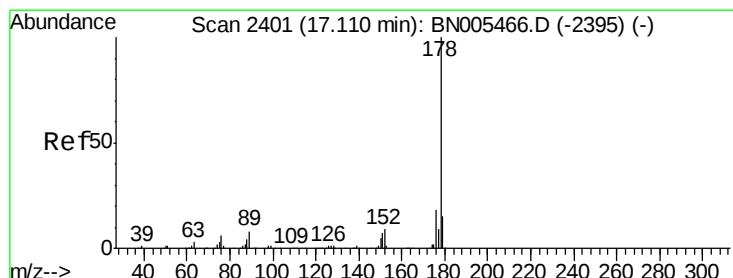
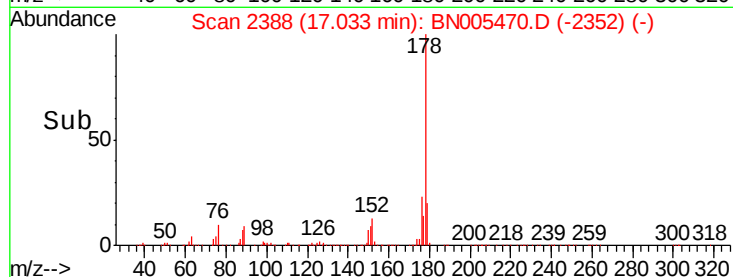
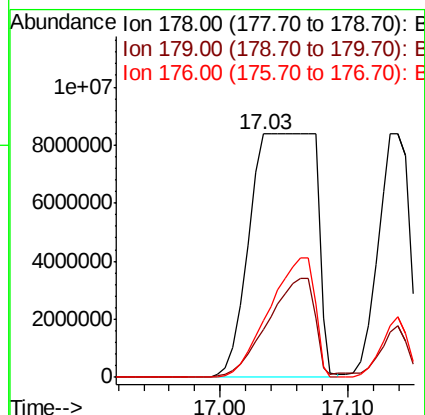
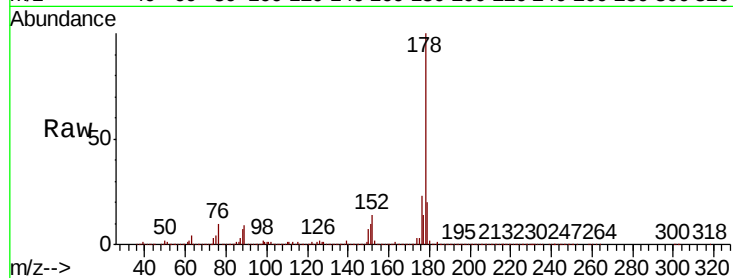
#69
Phenanthrene
Concen: 375.120 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Instrument :
BNA_N
ClientSampleId :
GAJ67DL

Tot Ion:178 Resp:30002512
Ion Ratio Lower Upper
178 100
179 19.8 12.2 18.4#
176 23.4 15.1 22.7#

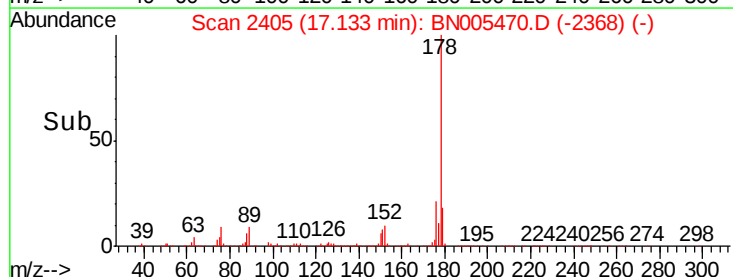
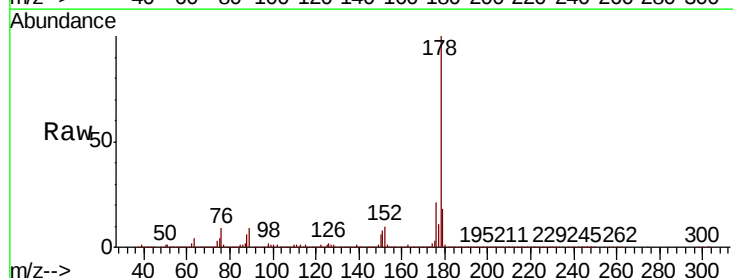
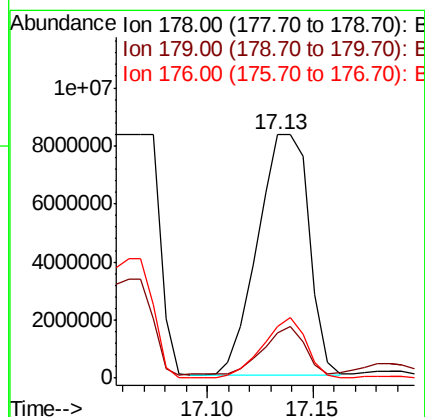
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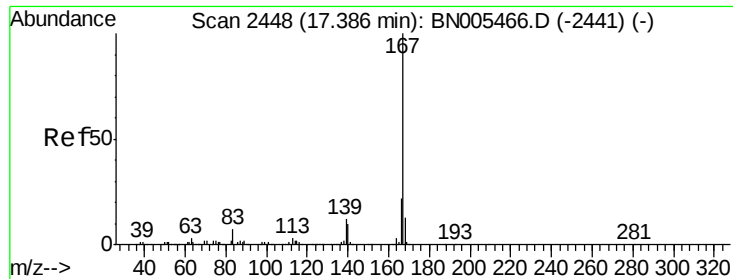
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#71
Anthracene
Concen: 172.790 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. 0.02 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Tgt Ion:178 Resp:14078272
Ion Ratio Lower Upper
178 100
179 18.4 12.3 18.5
176 21.3 15.1 22.7





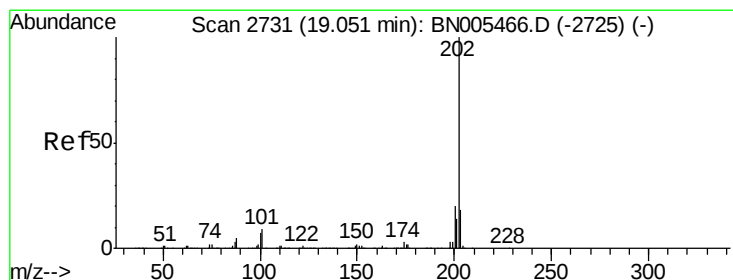
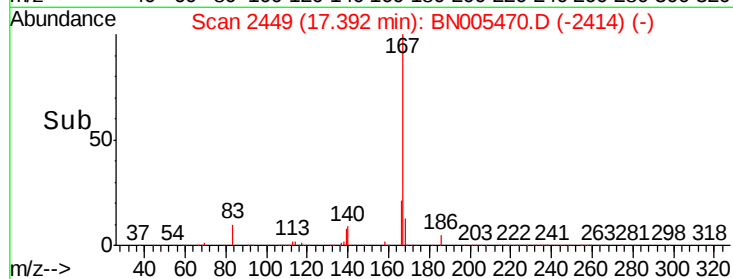
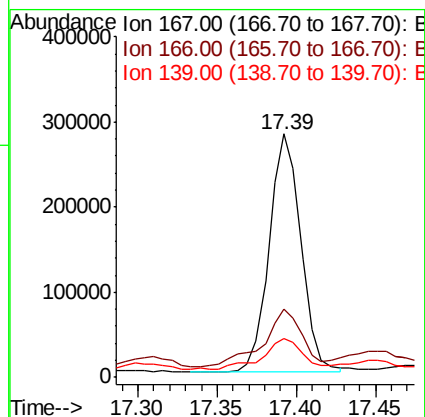
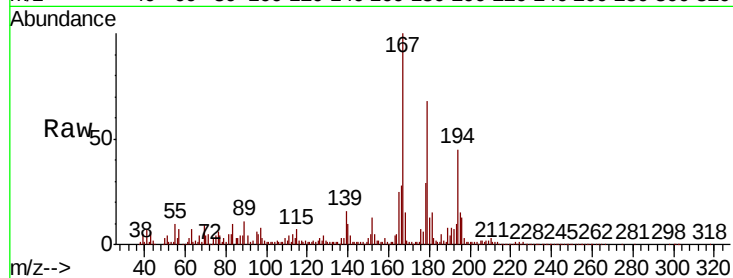
#74
 Carbazole
 Concen: 5.598 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: BN005470.D
 Acq: 04 May 2019 02:26

Instrument :
 BNA_N
 ClientSampleId :
 GAJ67DL

Tot Ion:	167	Resp:	391827
Ion Ratio	Lower	Upper	
167	100		
166	28.0	17.2	25.8#
139	15.8	10.6	16.0

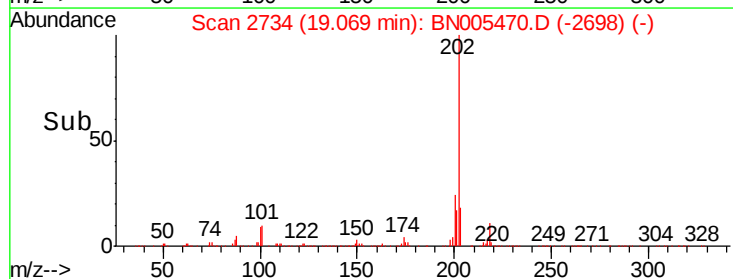
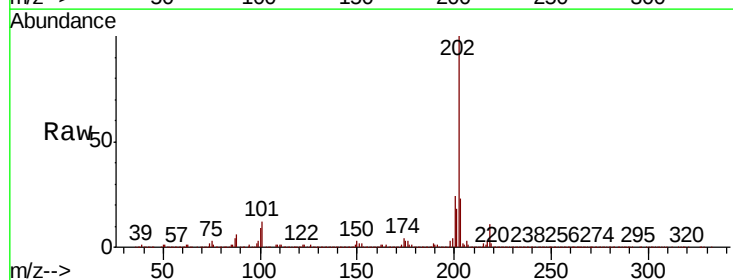
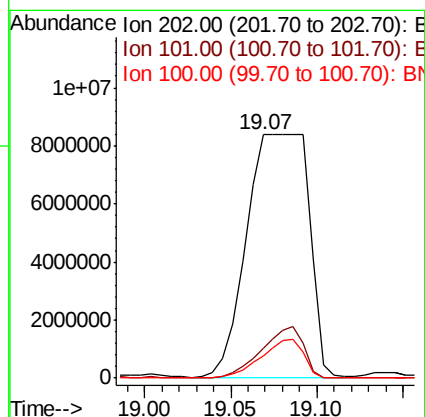
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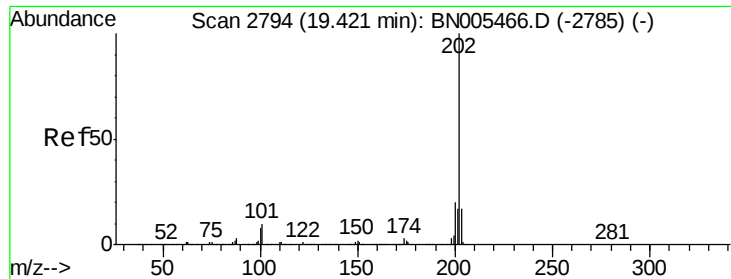
mohammad
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#76
 Fluoranthene
 Concen: 238.878 ng/ul m
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BN005470.D
 Acq: 04 May 2019 02:26

Tgt Ion:	202	Resp:	21191834
Ion Ratio	Lower	Upper	
202	100		
101	12.2	8.6	12.8
100	9.1	6.3	9.5





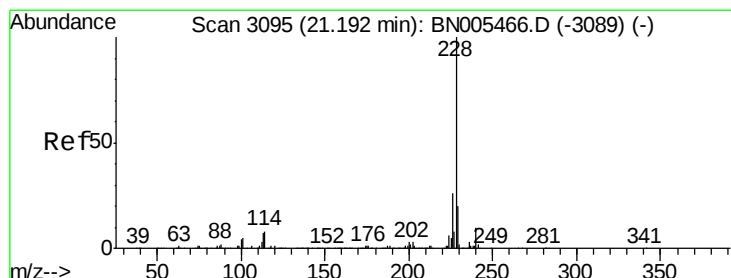
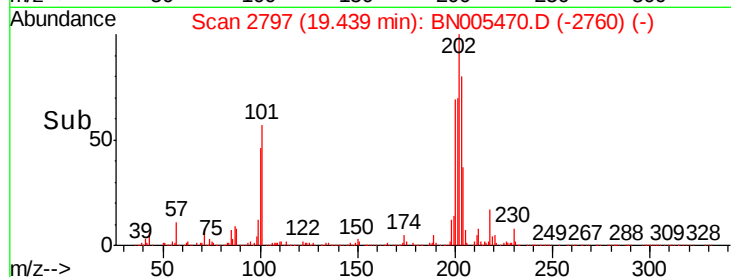
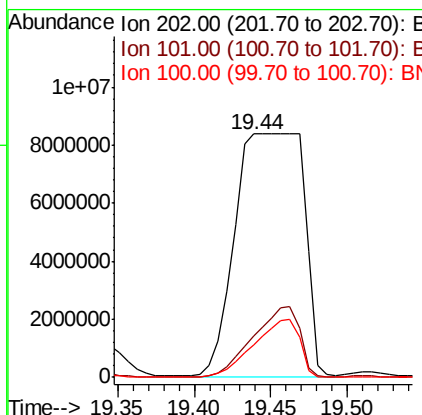
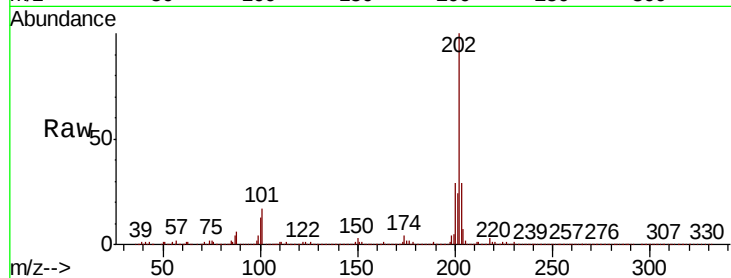
#79
Pvrene
Concen: 326.938 ng/ul m
RT: 19.44 min Scan# 2797
Delta R.T. 0.02 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Instrument :
BNA_N
ClientSampleId :
GAJ67DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.8	10.3	15.5#
100	13.3	7.9	11.9#

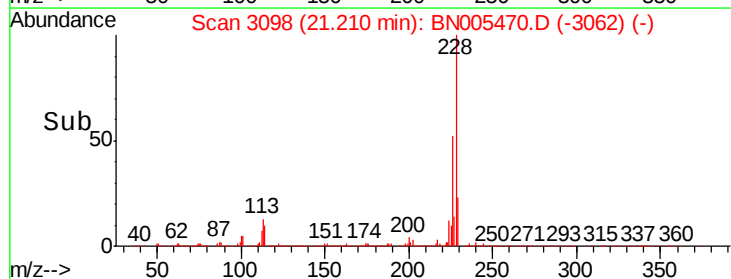
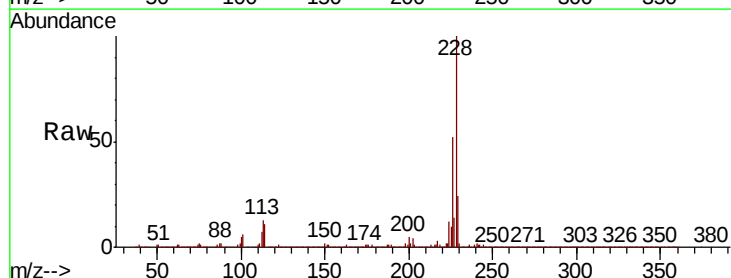
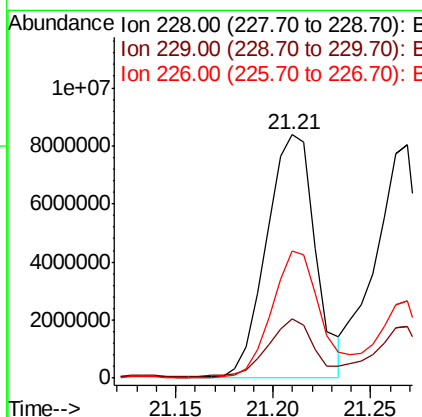
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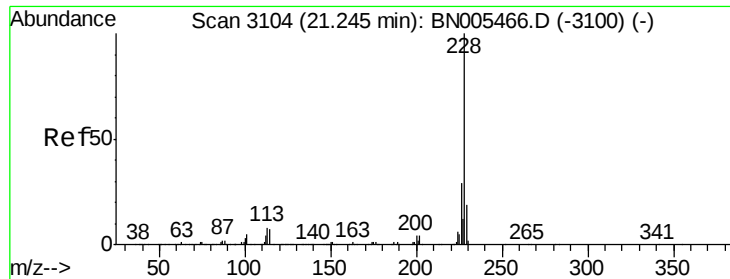
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#82
Benzo(a)anthracene
Concen: 188.973 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.4	15.8	23.6#
226	52.4	21.4	32.2#





#84

Chrysene

Concen: 173.176 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Instrument :

BNA_N

ClientSampled :

GAJ67DL

Tot Ion:228 Resp:12290654

Ion Ratio Lower Upper

228 100

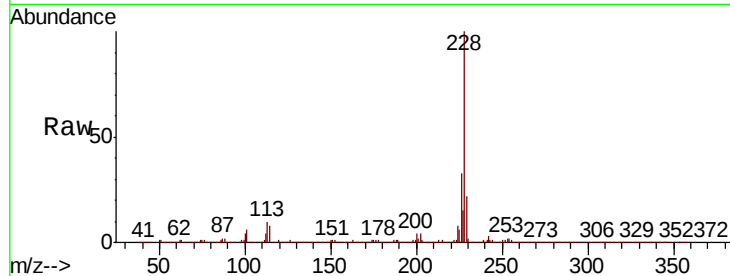
226 33.3 24.0 36.0

229 22.4 15.4 23.0

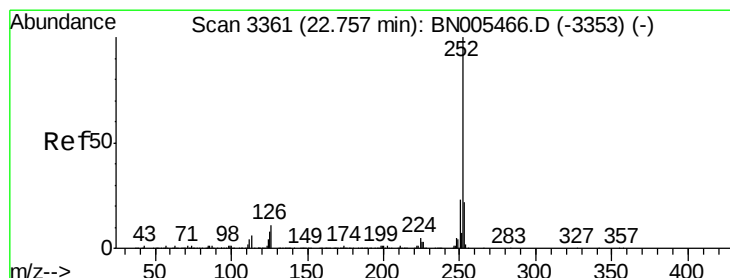
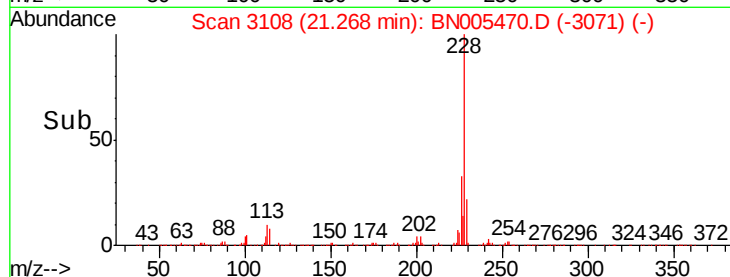
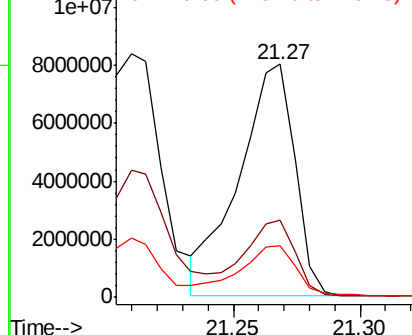
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 125.989 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

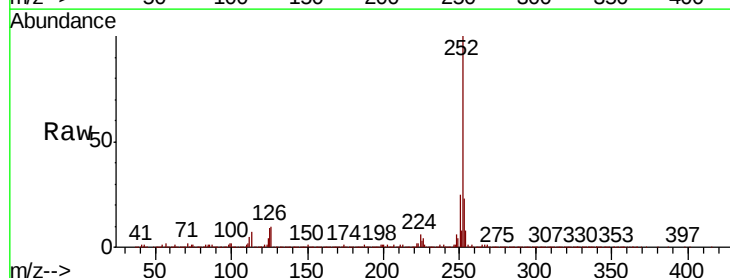
Tgt Ion:252 Resp: 9120632

Ion Ratio Lower Upper

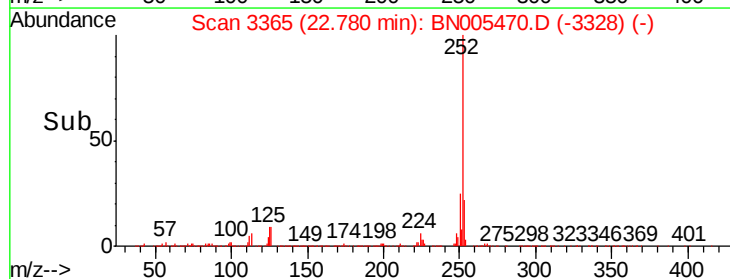
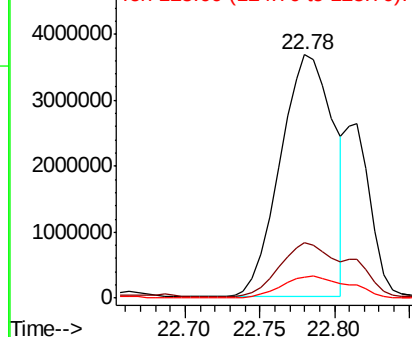
252 100

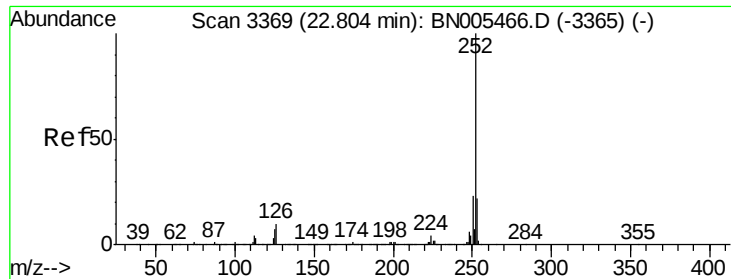
253 22.9 17.7 26.5

125 8.8 8.4 12.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





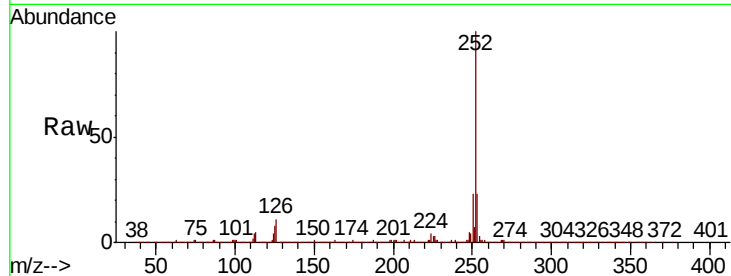
#88
Benzo(k)fluoranthene
Concen: 45.190 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Instrument :
BNA_N
ClientSampleId :
GAJ67DL

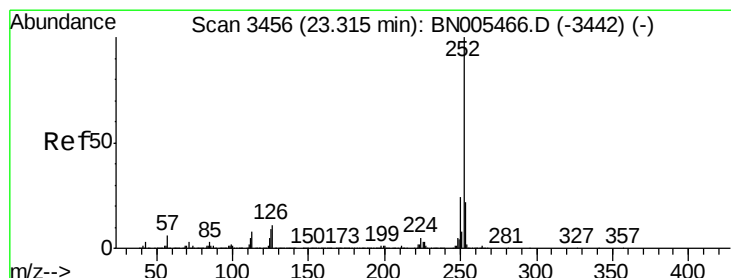
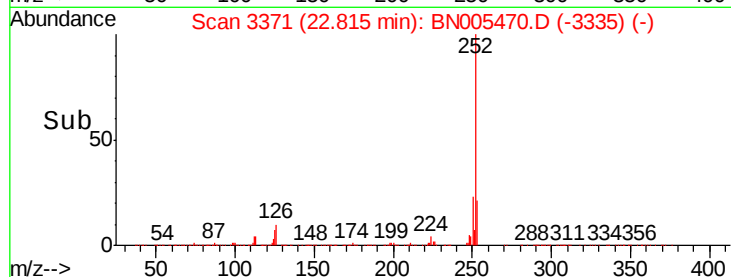
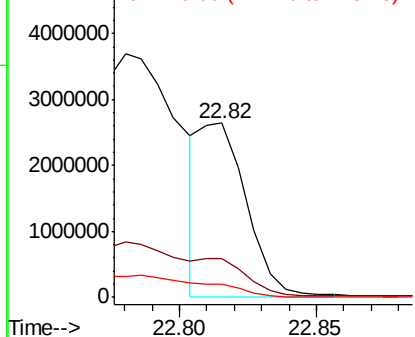
Tot Ion:252 Resp: 3124360
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 7.6 7.5 11.3

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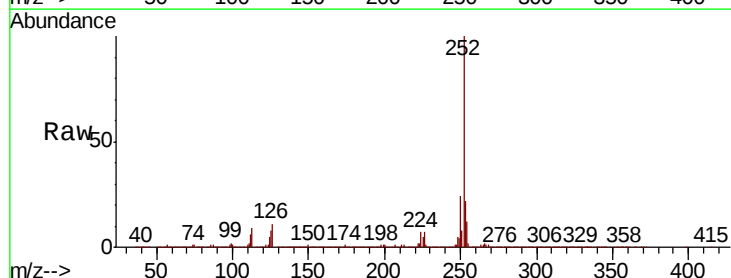


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

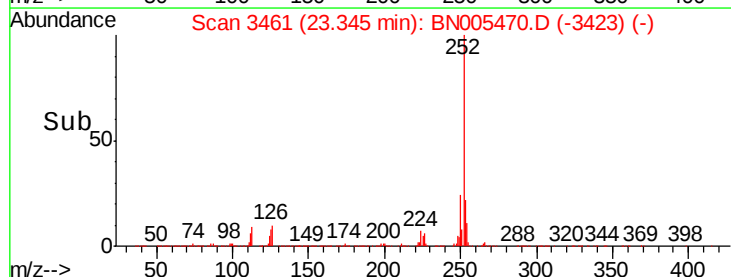
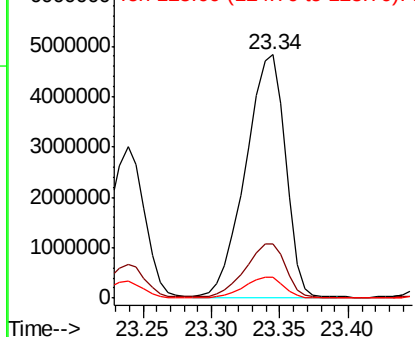


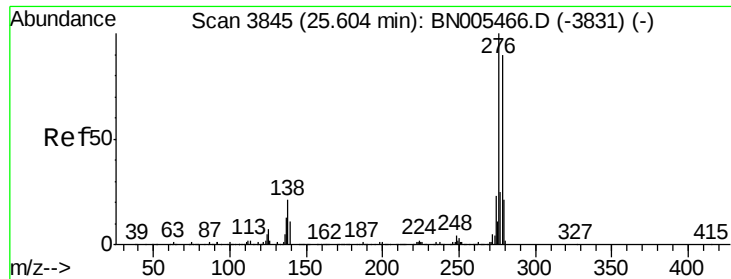
#90
Benzo(a)pyrene
Concen: 143.858 ng/ul m
RT: 23.34 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Tgt Ion:252 Resp: 9788864
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 8.4 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

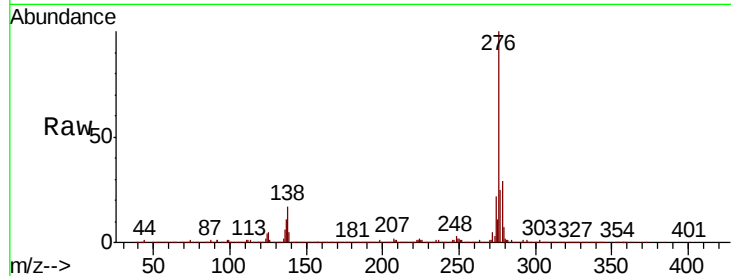
Indeno(1,2,3-cd)pyrene
Concen: 56.398 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. 0.01 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

Instrument :
BNA_N
ClientSampleId :
GAJ67DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.9	26.9
277	24.6	19.7	29.5

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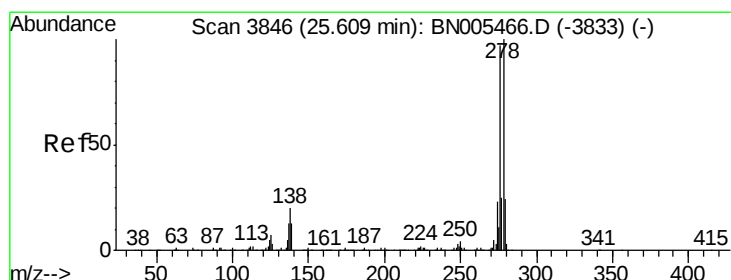
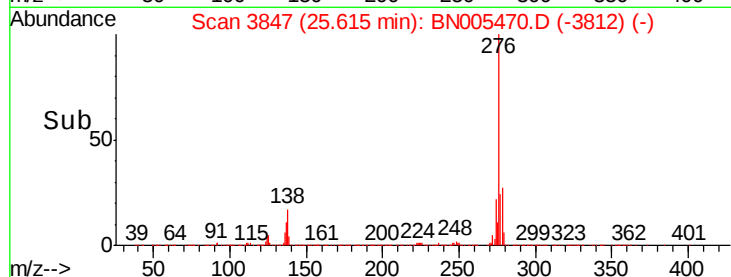
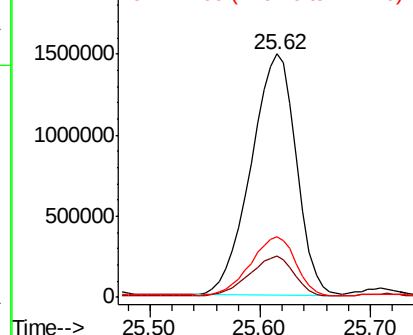


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 21.160 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. -0.01 min
Lab File: BN005470.D
Acq: 04 May 2019 02:26

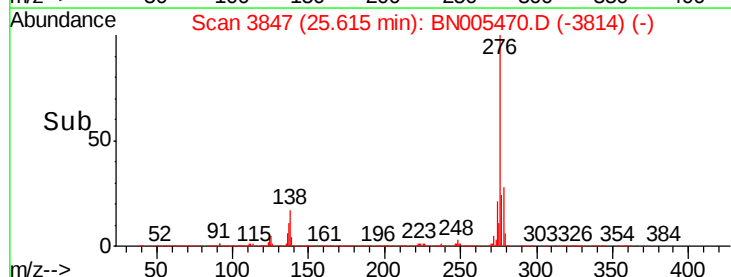
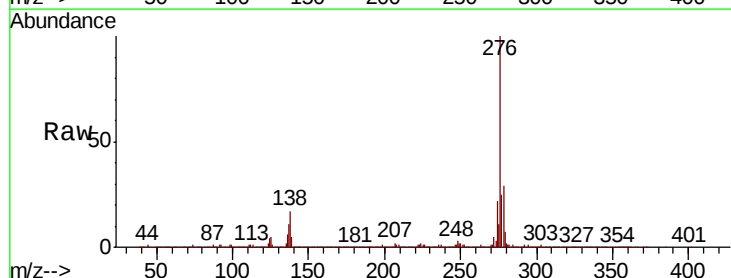
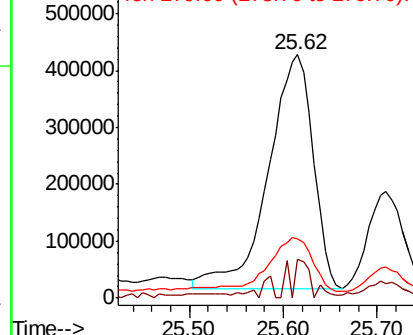
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.1	19.7
279	24.4	19.4	29.0

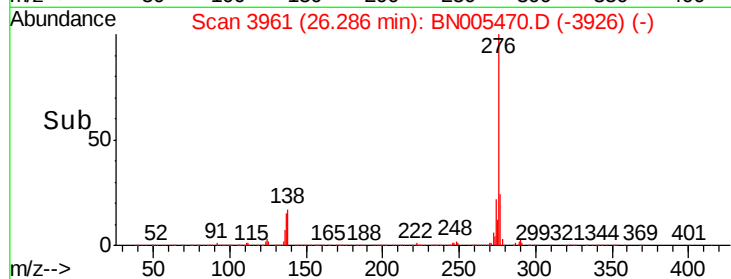
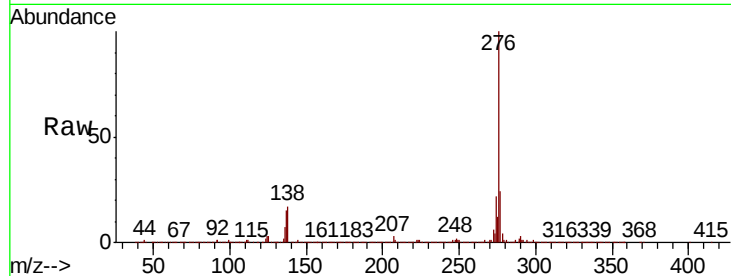
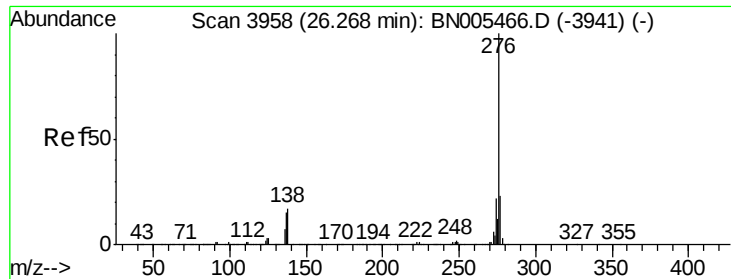
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 66.138 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BN005470.D

Acq: 04 May 2019 02:26

Tot Ion: 276 Resp: 4114177

Ion Ratio Lower Upper

276 100

138 17.0 16.7 25.1

277 24.2 18.2 27.2

Instrument :

BNA_N

ClientSampleId :

GAJ67DL

Manual Integrations

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