

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005341.D
 Acq On : 27 Apr 2019 05:42
 Operator : JU/SJ
 Sample : K2456-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:22:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	423417	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1790967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1103871	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2519078	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	1775927	20.00	ng/ul	0.00
85) Perylene-d12	23.29	264	1699804	20.00	ng/ul	-0.15

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	28530	3.25	ng/uL	0.00
5) Phenol-d5	6.78	99	640487	19.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	379339	18.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	521371	20.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	530296	20.40	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	270363	24.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	315372	28.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	556579	21.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	464400	17.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1653827	20.64	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2051952	20.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	283167	22.38	ng/ul	0.00
57) Fluorene-d10	15.23	176	1436754	21.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	1868	0.16	ng/ul	-0.01
70) Anthracene-d10	17.09	188	2217417	21.00	ng/ul	0.00
78) Pyrene-d10	19.41	212	2225949	24.50	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	1703331	22.93	ng/ul	-0.01

Target Compounds

					Ovalue	
17) Hexachloroethane	8.62	117	11262	0.986	ng/ul#	6
28) Naphthalene	10.40	128	868030	10.426	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	3390441	55.614	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	301248	3.663	ng/ul	98
44) Dimethylphthalate	13.70	163	389010	4.872	ng/ul	99
47) Acenaphthylene	13.96	152	13517894	139.761	ng/ul#	94
49) Acenaphthene	14.30	153	1596841	24.183	ng/ul	99
53) Dibenzofuran	14.63	168	823896	8.666	ng/ul#	83
54) 2,4-Dinitrotoluene	14.60	165	68120	3.427	ng/ul#	54
58) Fluorene	15.29	166	7696544	103.750	ng/ul	98
60) 4-Nitroaniline	15.29	138	90402	5.658	ng/ul#	20
64) N-Nitrosodiphenylamine	15.50	169	258661	3.752	ng/ul#	92
69) Phenanthrene	17.13	178	6294533	51.307	ng/ul	99
71) Anthracene	17.13	178	6294533	50.366	ng/ul	99
76) Fluoranthene	19.22	202	6534003	48.016	ng/ul	98
79) Pyrene	19.35	202	2163837	18.924	ng/ul#	93
82) Benzo(a)anthracene	21.21	228	13795908	124.871	ng/ul#	79
84) Chrysene	21.27	228	13087053	127.633	ng/ul#	91
87) Benzo(b)fluoranthene	22.79	252	11463877	119.977	ng/ul	99
88) Benzo(k)fluoranthene	22.79	252	11463877	125.623	ng/ul	99
90) Benzo(a)pyrene	23.24	252	5599189	62.343	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.38	276	572842	5.769	ng/ul	96
92) Dibenz(a,h)anthracene	25.63	278	1291327	15.324	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

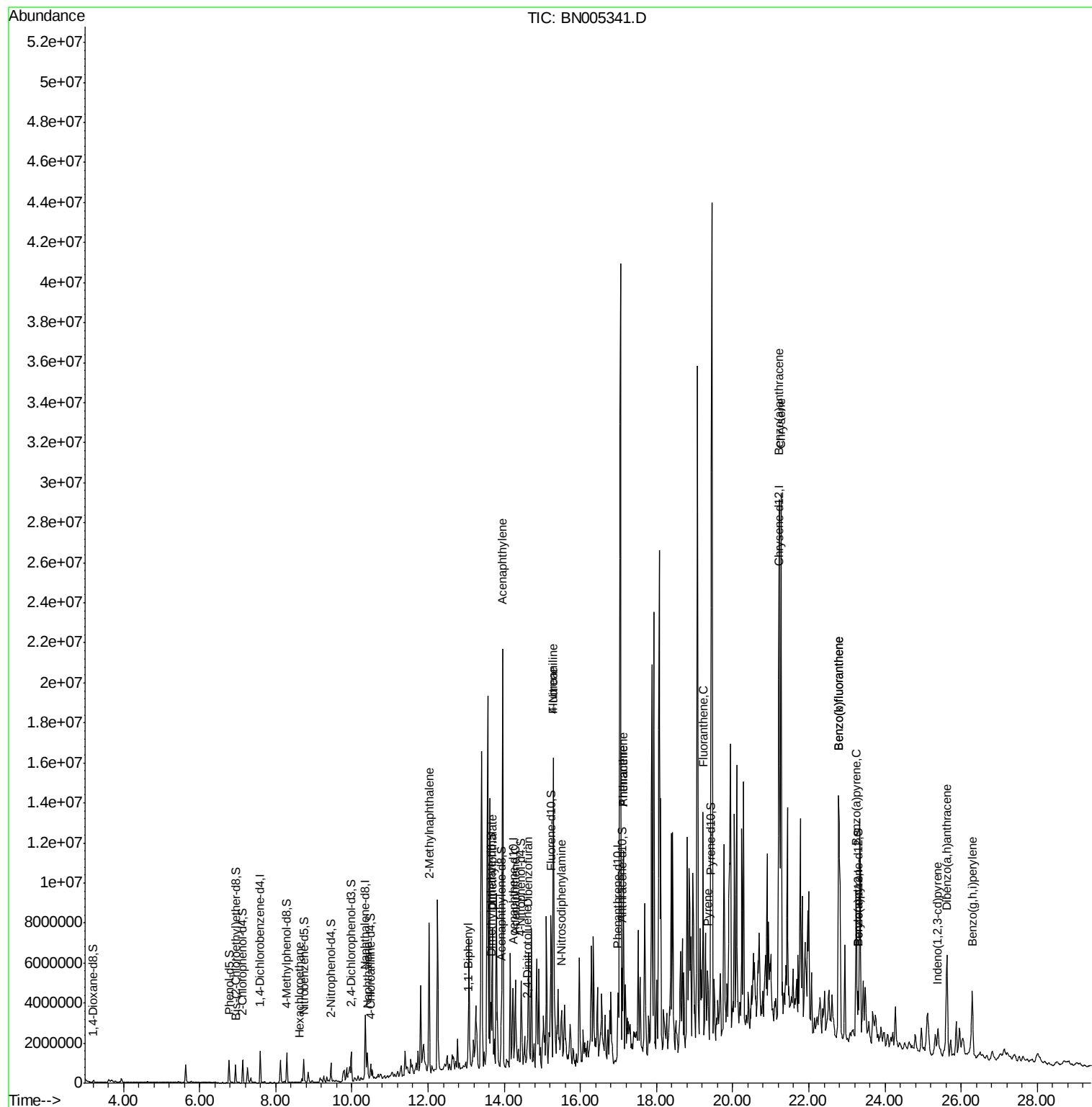
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.29	276	3274128	39.877	ng/ul	96

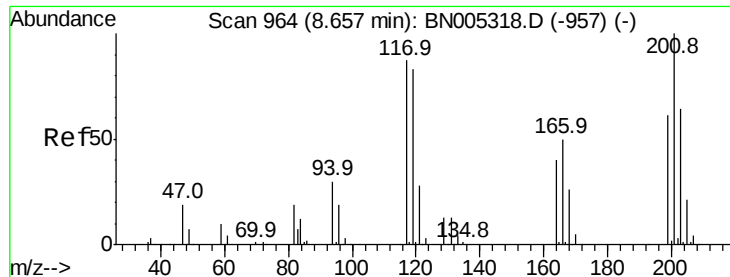
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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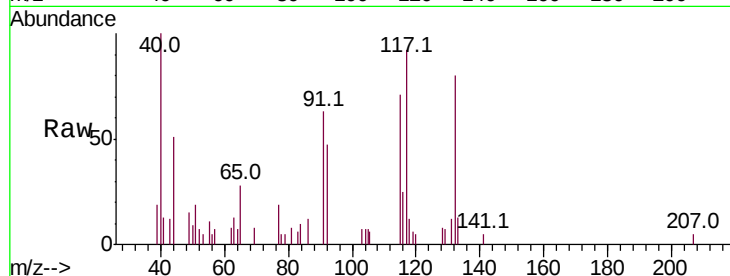




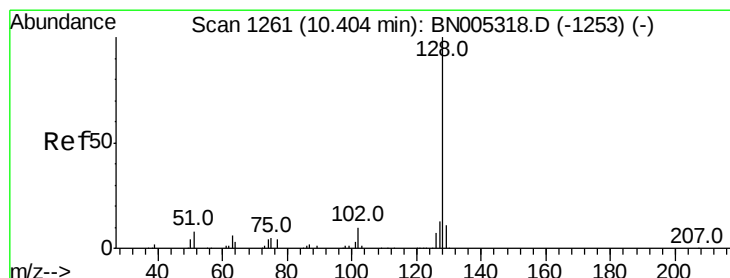
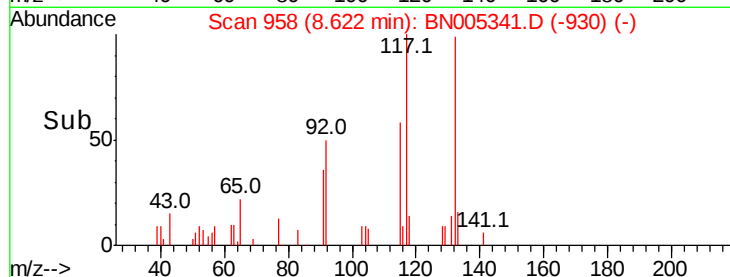
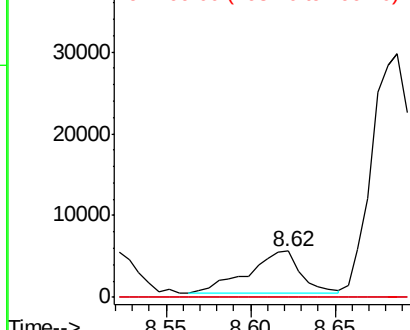
#17
Hexachloroethane
Concen: 0.986 ng/ul
RT: 8.62 min Scan# 958
Delta R.T. -0.03 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:117 Resp: 11262
Ion Ratio Lower Upper
117 100
201 0.0 84.1 126.1#
199 0.0 51.2 76.8#

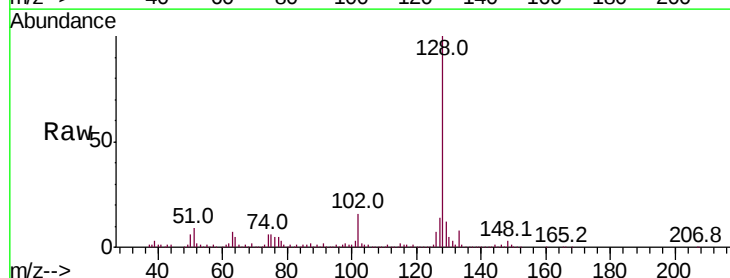


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

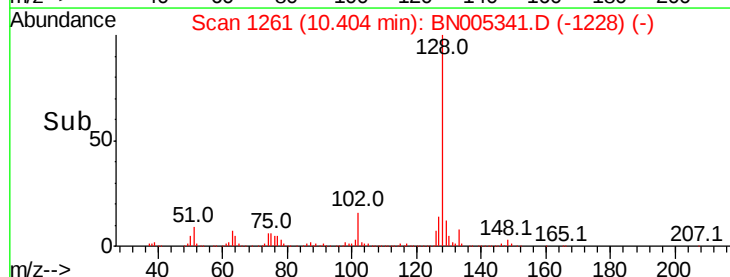
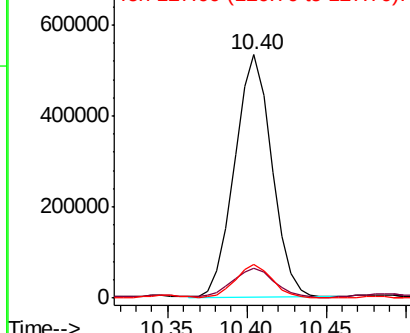


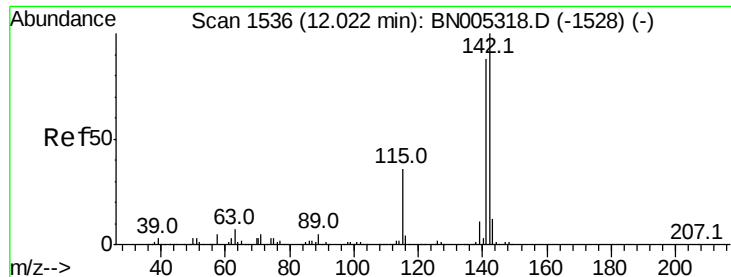
#28
Naphthalene
Concen: 10.426 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:128 Resp: 868030
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 13.6 10.7 16.1



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

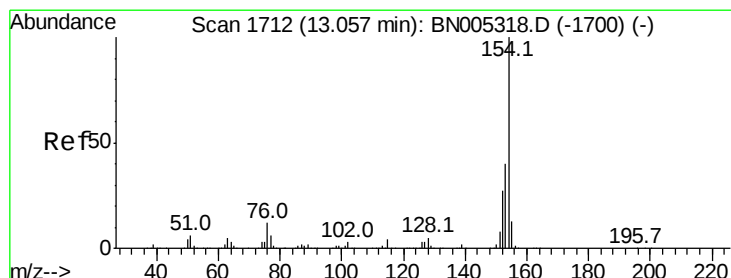
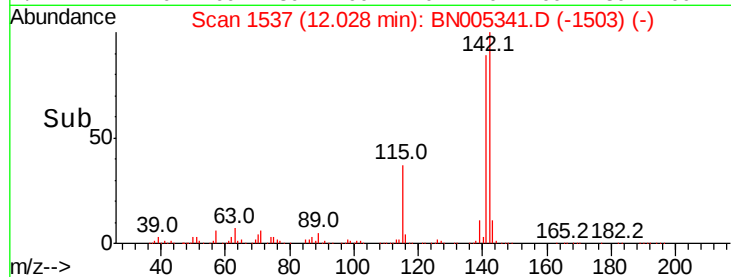
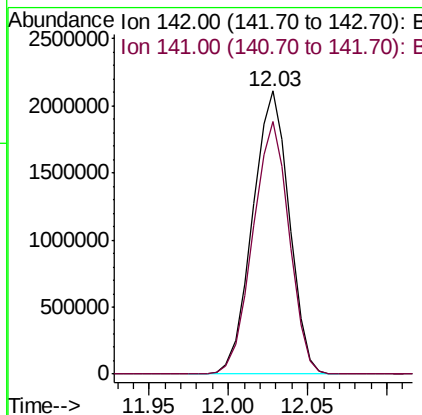
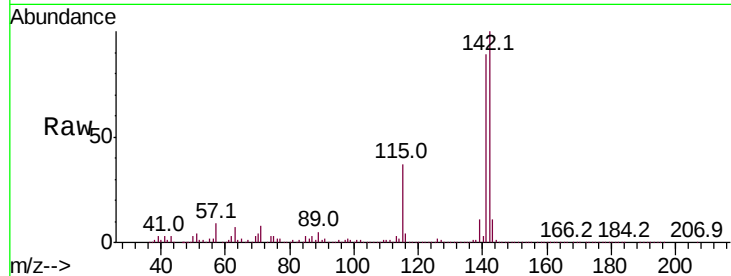




#34
 2-Methylnaphthalene
 Concen: 55.614 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BN005341.D
 Acq: 27 Apr 2019 05:42

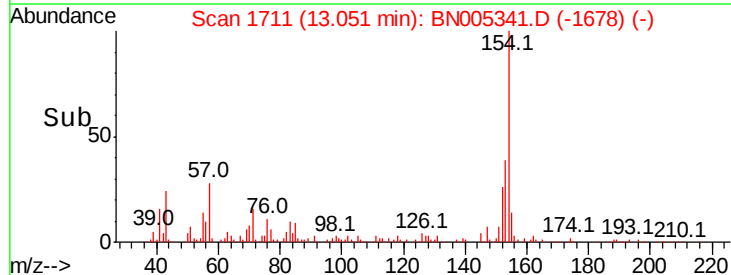
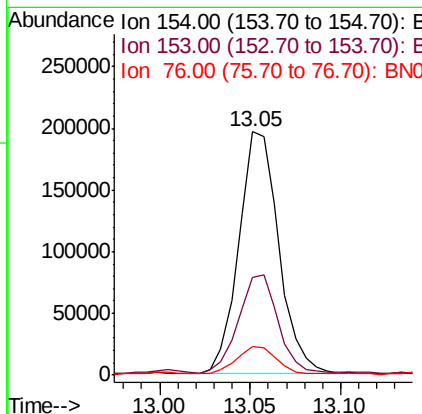
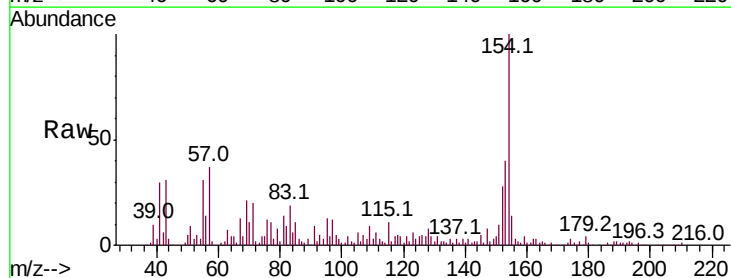
Instrument :
 BNA_N
 ClientSampleId :

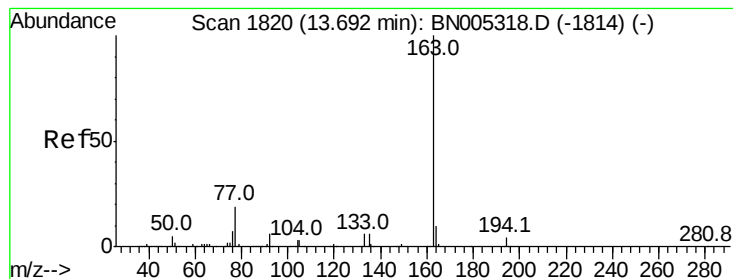
Tot Ion:142 Resp: 3390441
 Ion Ratio Lower Upper
 142 100
 141 89.3 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 3.663 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005341.D
 Acq: 27 Apr 2019 05:42

Tgt Ion:154 Resp: 301248
 Ion Ratio Lower Upper
 154 100
 153 40.0 32.6 49.0
 76 11.9 10.4 15.6





#44

Dimethylphthalate

Concen: 4.872 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampleId :

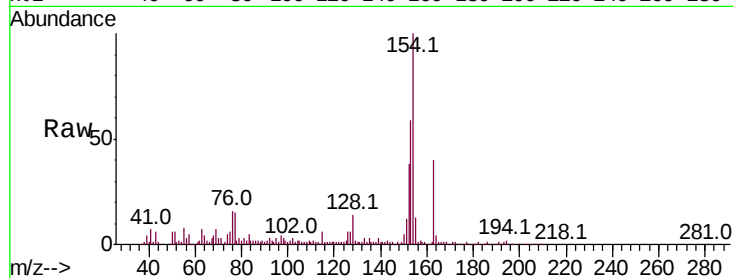
Tot Ion:163 Resp: 389010

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

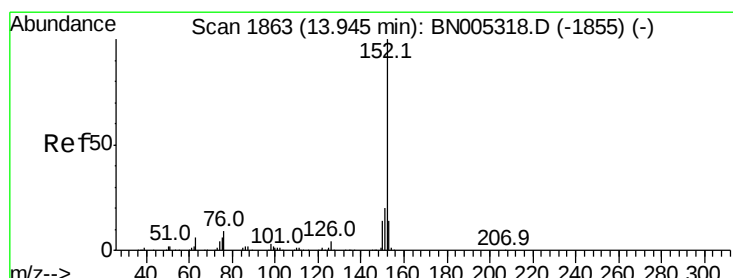
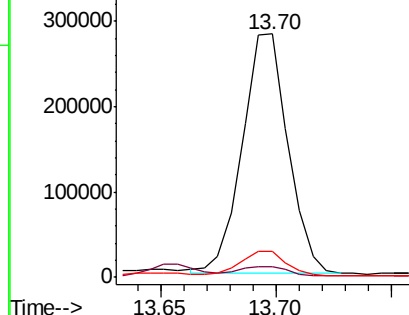
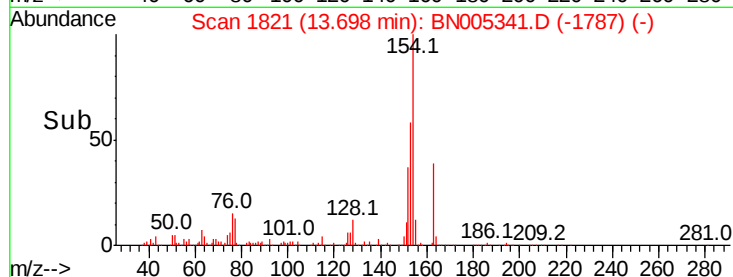
164 10.5 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 139.761 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Tgt Ion:152 Resp:13517894

Ion Ratio Lower Upper

152 100

151 21.8 15.8 23.8

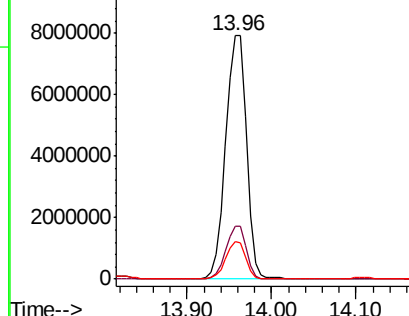
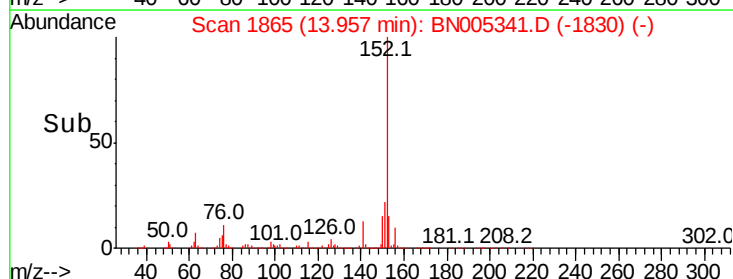
153 15.5 9.8 14.8#

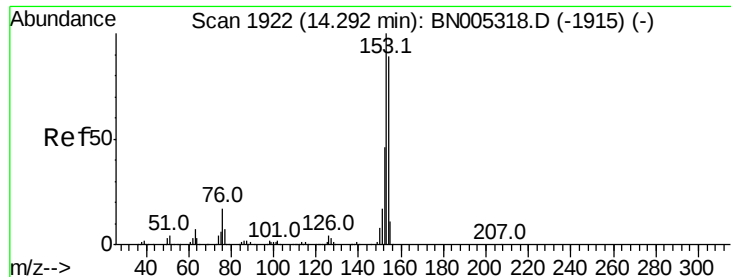


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 24.183 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampleId :

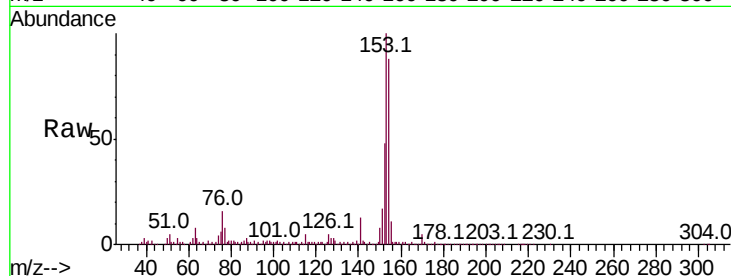
Tot Ion:153 Resp: 1596841

Ion Ratio Lower Upper

153 100

152 47.6 37.4 56.0

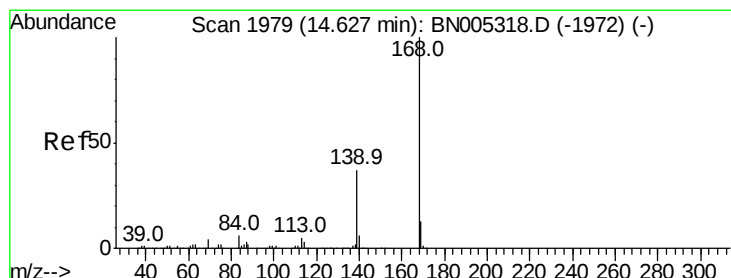
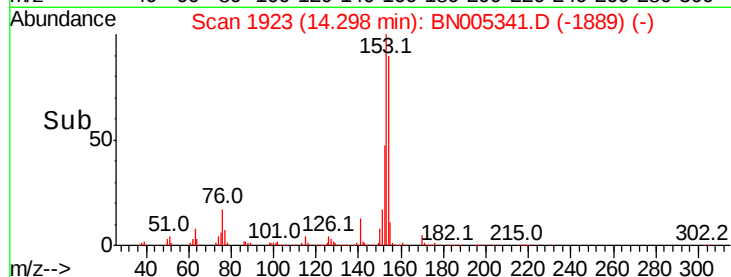
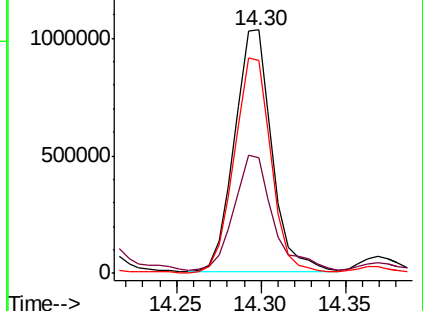
154 87.7 71.2 106.8



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: 8.666 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005341.D

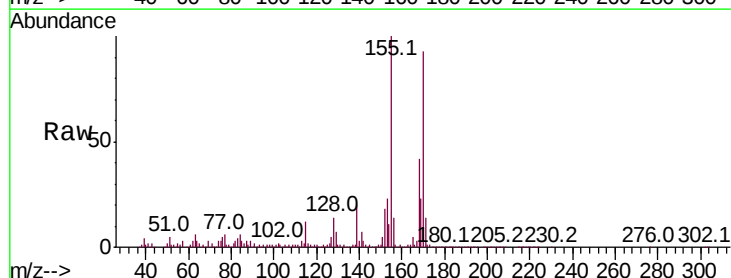
Acq: 27 Apr 2019 05:42

Tgt Ion:168 Resp: 823896

Ion Ratio Lower Upper

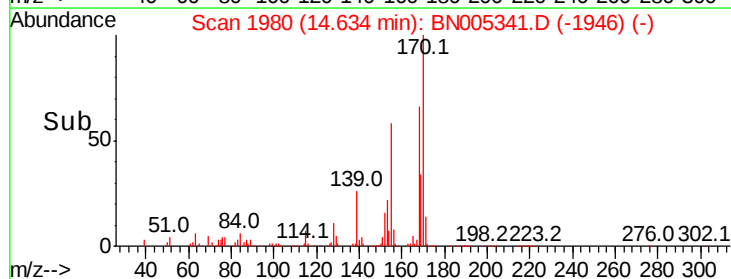
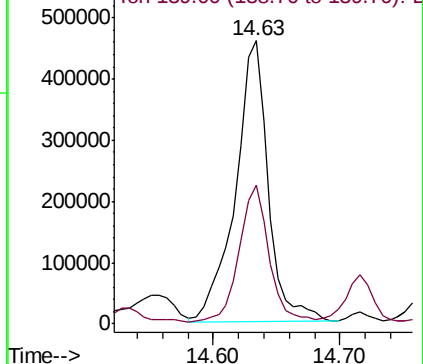
168 100

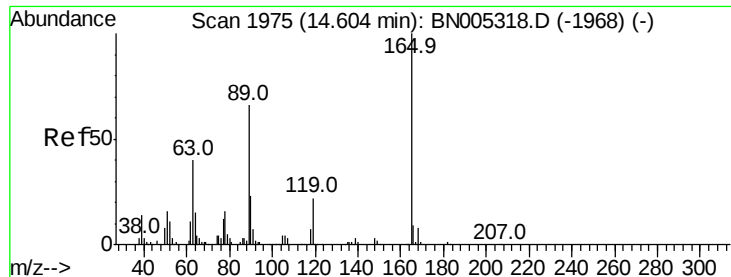
139 49.1 30.9 46.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 3.427 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

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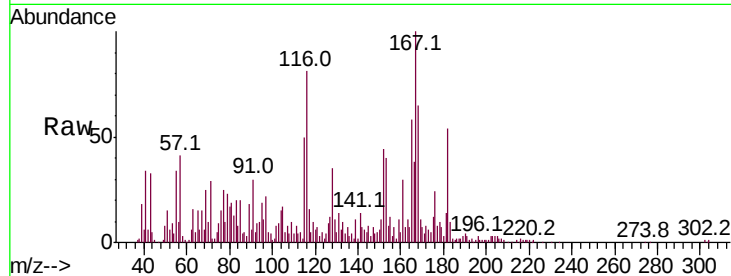
Tot Ion:165 Resp: 68120

Ion Ratio Lower Upper

165 100

63 27.1 38.9 58.3#

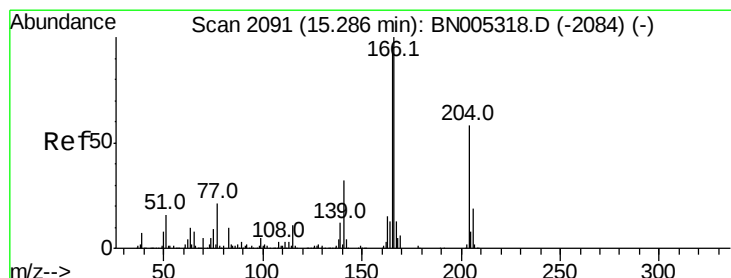
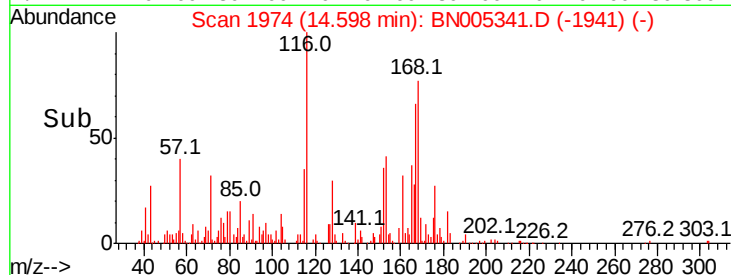
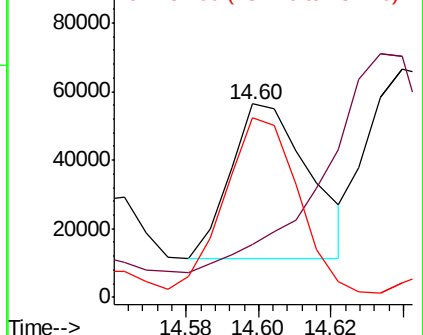
182 93.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 103.750 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

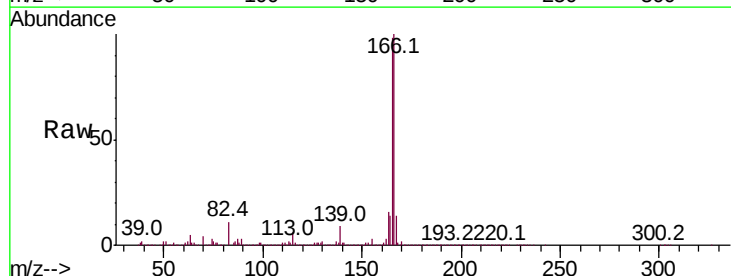
Tgt Ion:166 Resp: 7696544

Ion Ratio Lower Upper

166 100

165 98.0 80.0 120.0

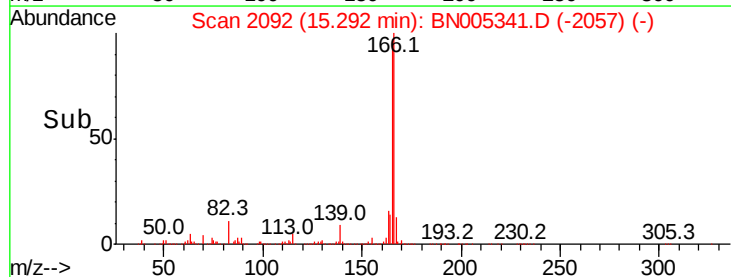
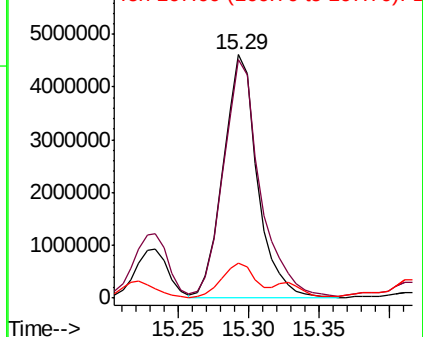
167 14.4 10.7 16.1

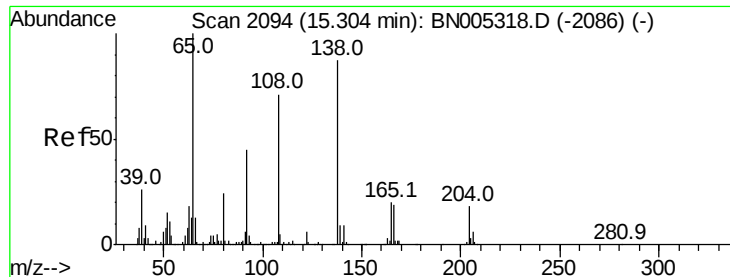


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

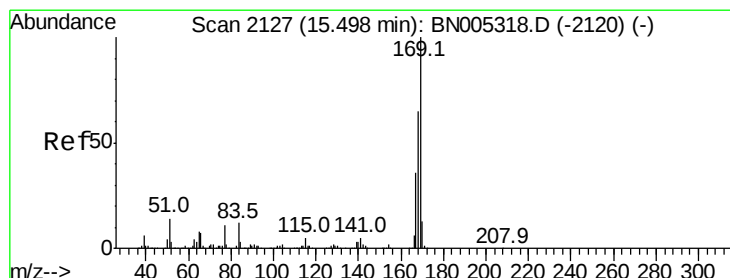
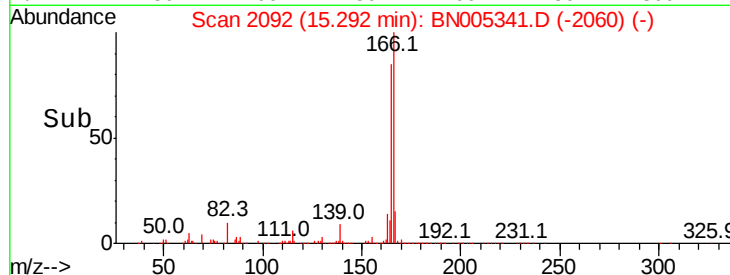
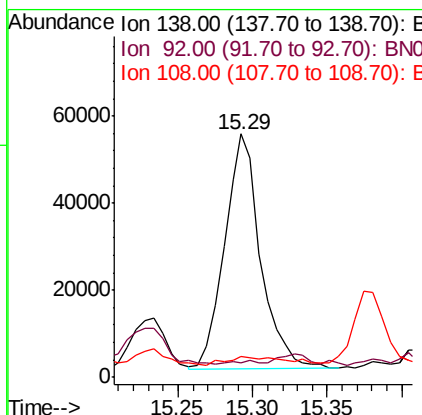
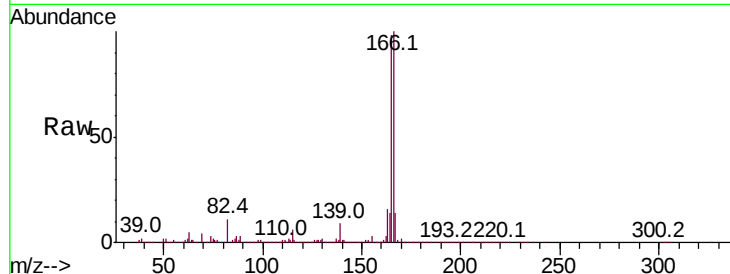




#60
4-Nitroaniline
Concen: 5.658 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

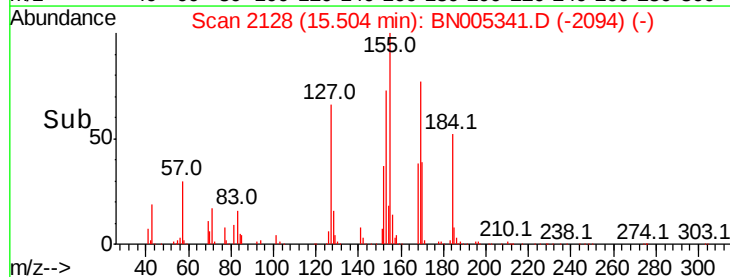
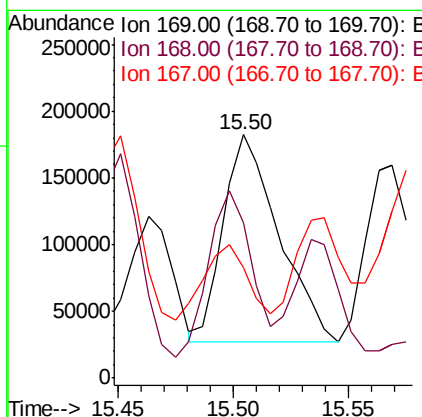
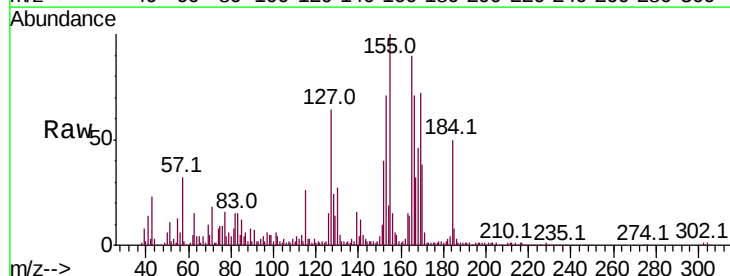
Instrument :
BNA_N
ClientSampleId :

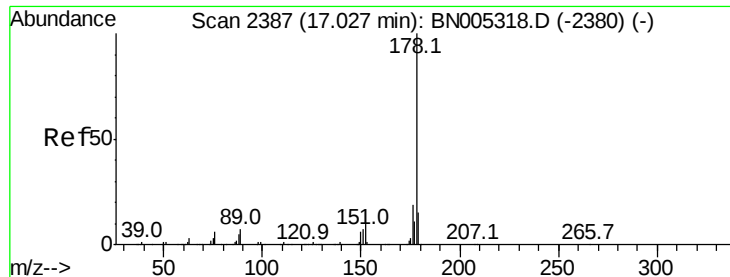
Tot Ion:138 Resp: 90402
Ion Ratio Lower Upper
138 100
92 6.1 45.3 67.9#
108 8.7 73.2 109.8#



#64
N-Nitrosodiphenylamine
Concen: 3.752 ng/ul
RT: 15.50 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:169 Resp: 258661
Ion Ratio Lower Upper
169 100
168 63.7 52.2 78.2
167 45.3 27.7 41.5#

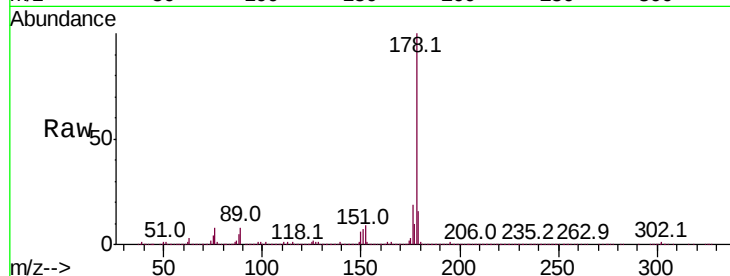




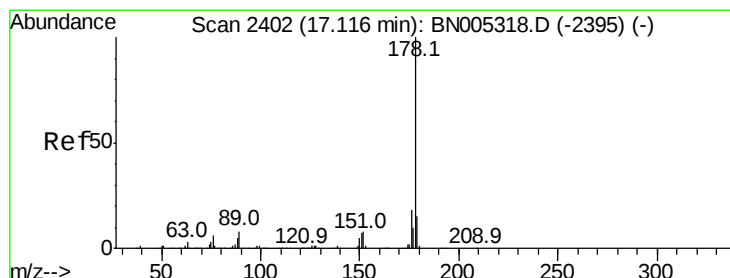
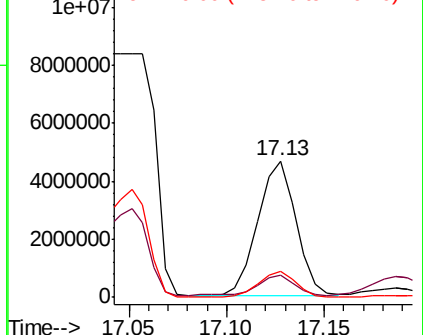
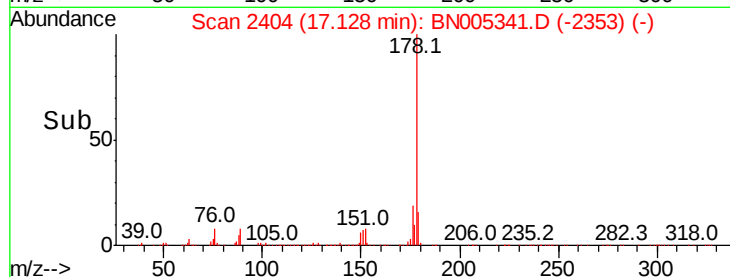
#69
Phenanthrene
Concen: 51.307 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.10 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:178 Resp: 6294533
Ion Ratio Lower Upper
178 100
179 16.0 12.2 18.4
176 18.8 15.1 22.7

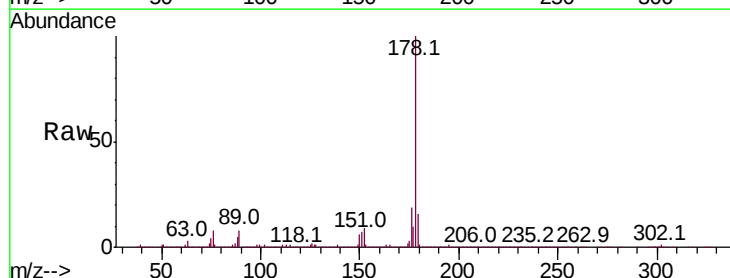


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

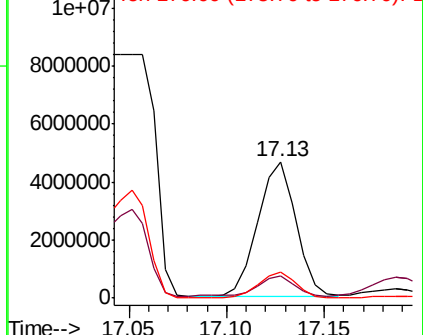
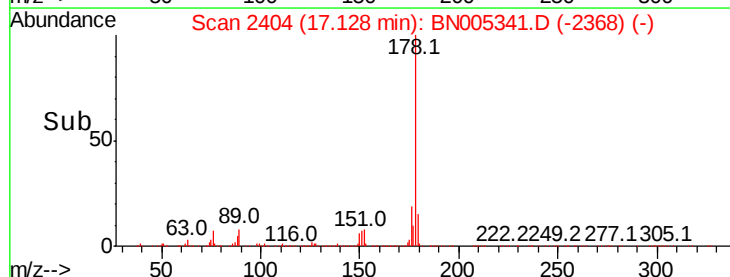


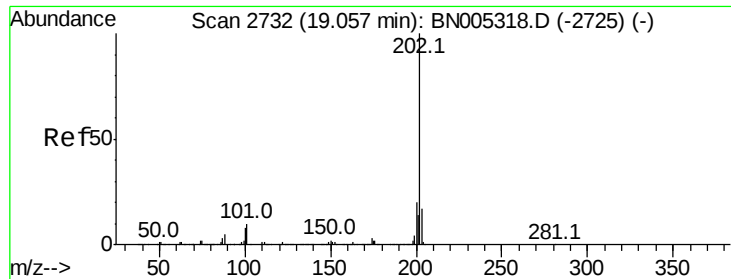
#71
Anthracene
Concen: 50.366 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:178 Resp: 6294533
Ion Ratio Lower Upper
178 100
179 16.0 12.3 18.5
176 18.8 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

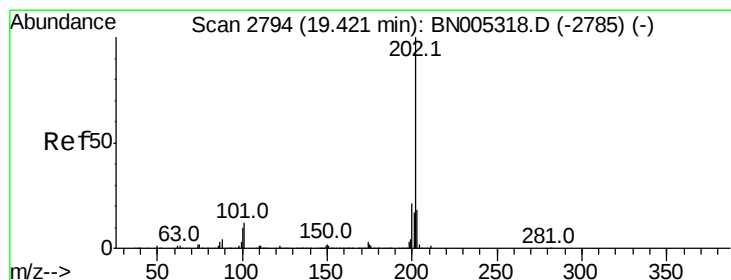
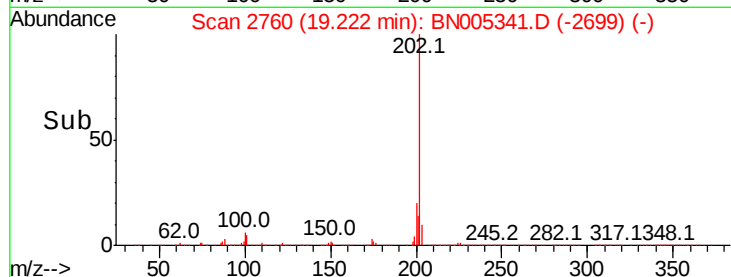
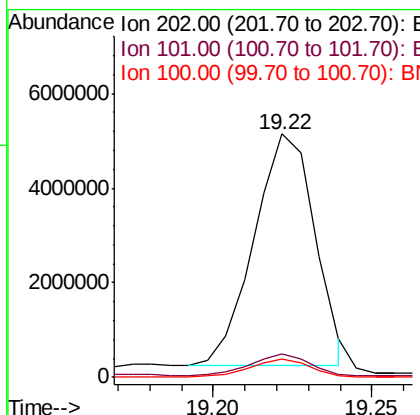
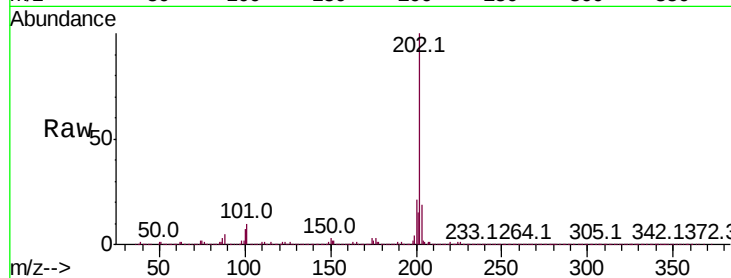




#76
 Fluoranthene
 Concen: 48.016 ng/ul
 RT: 19.22 min Scan# 2760
 Delta R.T. 0.16 min
 Lab File: BN005341.D
 Acq: 27 Apr 2019 05:42

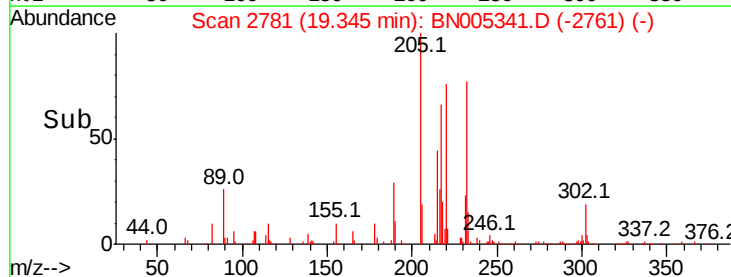
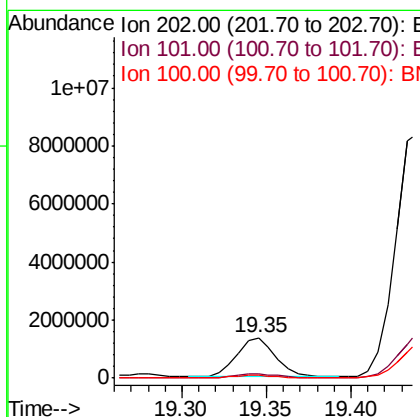
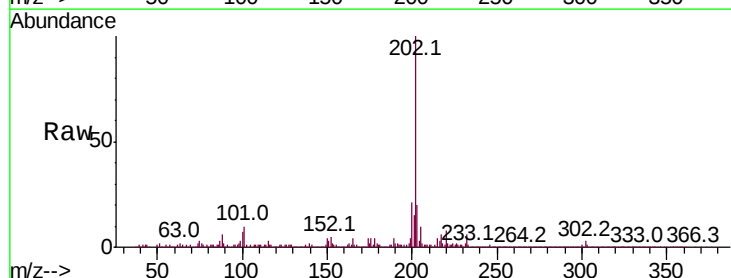
Instrument :
 BNA_N
 ClientSampleId :

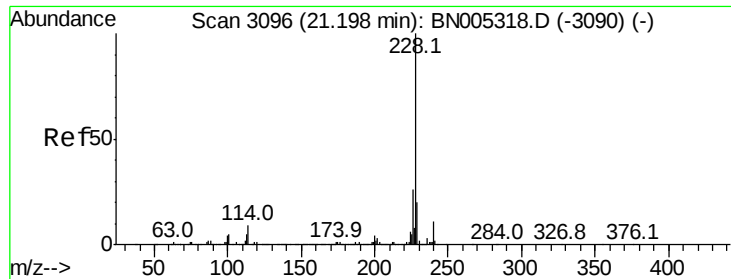
Tot Ion:202 Resp: 6534003
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.6 12.8
 100 7.4 6.3 9.5



#79
 Pyrene
 Concen: 18.924 ng/ul
 RT: 19.35 min Scan# 2781
 Delta R.T. -0.08 min
 Lab File: BN005341.D
 Acq: 27 Apr 2019 05:42

Tgt Ion:202 Resp: 2163837
 Ion Ratio Lower Upper
 202 100
 101 10.2 10.3 15.5#
 100 7.2 7.9 11.9#





#82

Benzo(a)anthracene

Concen: 124.871 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampled :

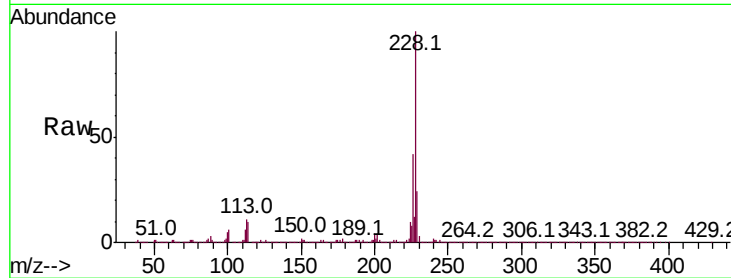
Tot Ion:228 Resp:13795908

Ion Ratio Lower Upper

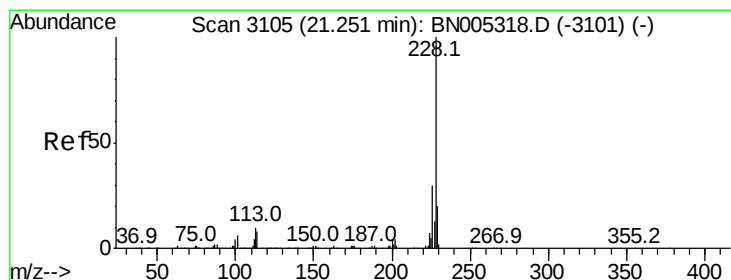
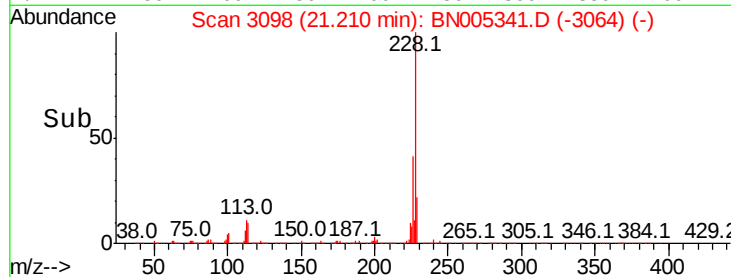
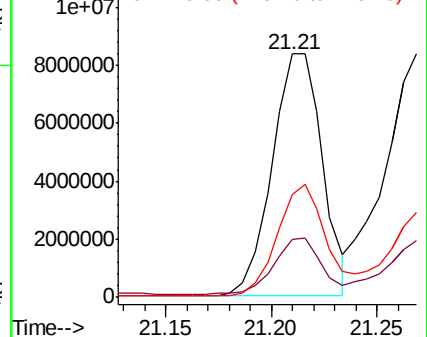
228 100

229 23.8 15.8 23.6#

226 42.1 21.4 32.2#



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



#84

Chrysene

Concen: 127.633 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

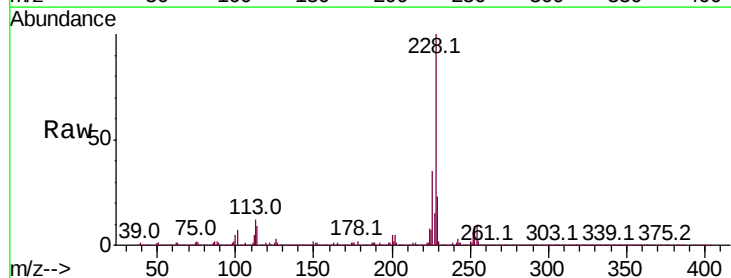
Tgt Ion:228 Resp:13087053

Ion Ratio Lower Upper

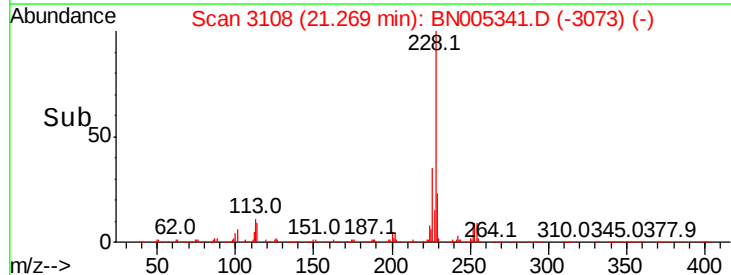
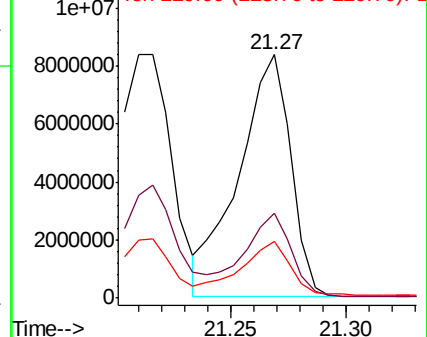
228 100

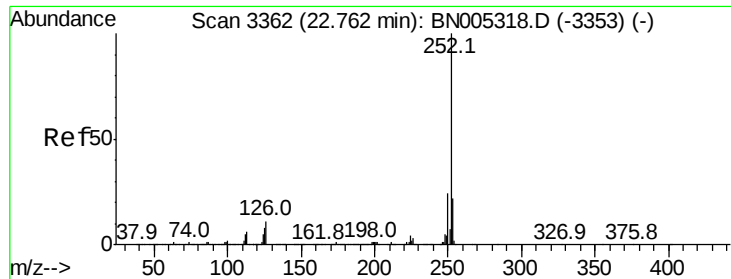
226 34.8 24.0 36.0

229 23.2 15.4 23.0#



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

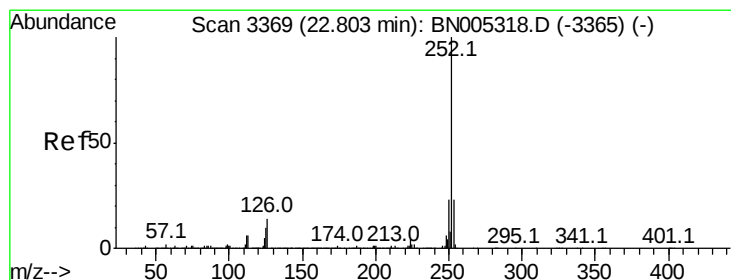
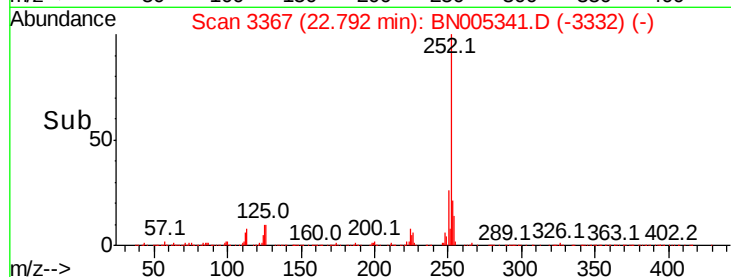
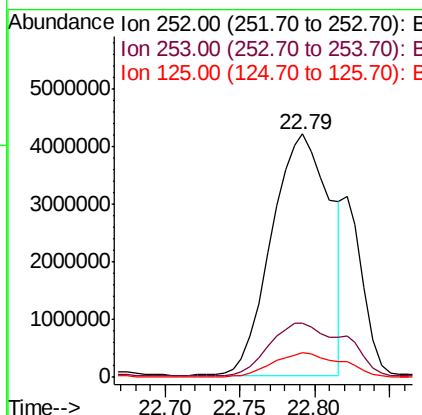
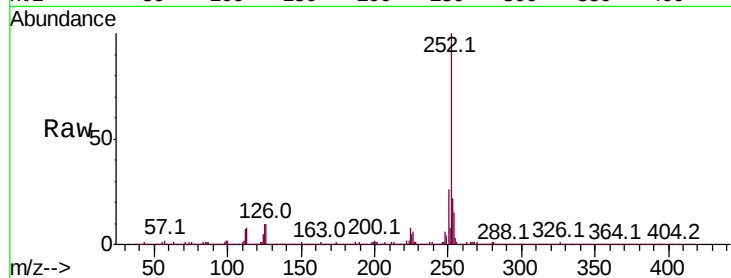




#87
Benzo(b)fluoranthene
Concen: 119.977 ng/ul
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

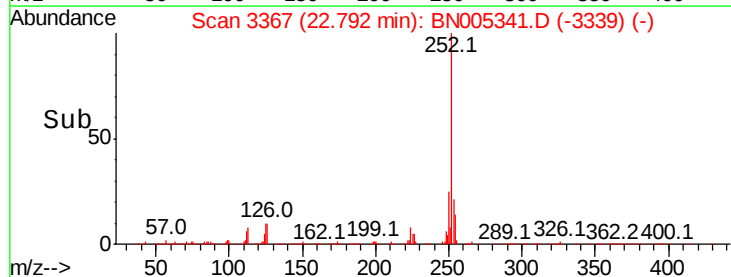
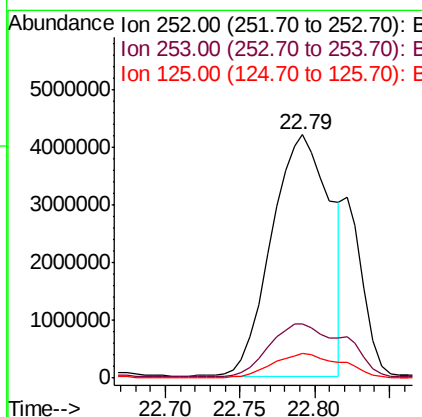
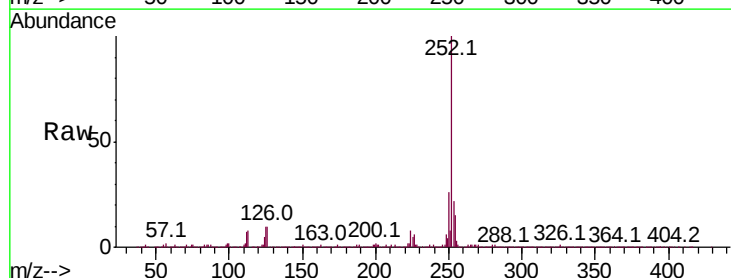
Instrument :
BNA_N
ClientSampleId :

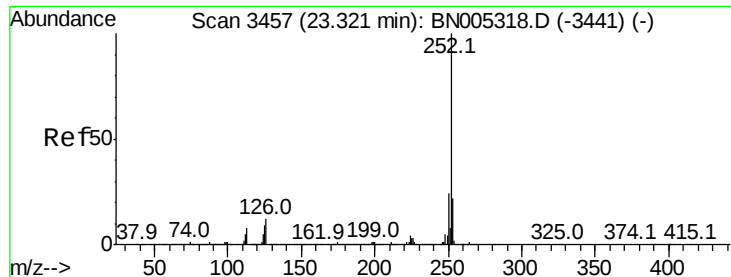
Tot Ion:252 Resp:11463877
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.9 8.4 12.6



#88
Benzo(k)fluoranthene
Concen: 125.623 ng/ul
RT: 22.79 min Scan# 3367
Delta R.T. -0.03 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:252 Resp:11463877
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 62.343 ng/u1

RT: 23.24 min Scan# 3444

Delta R.T. -0.10 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

Instrument :

BNA_N

ClientSampleId :

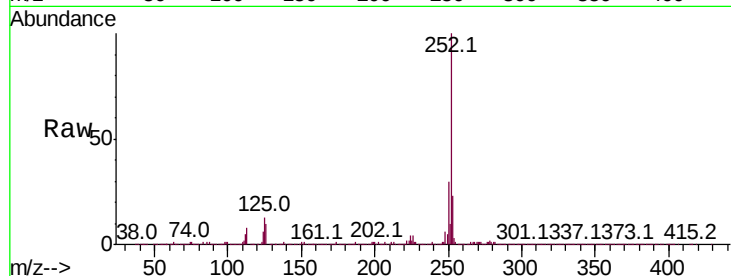
Tot Ion:252 Resp: 5599189

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

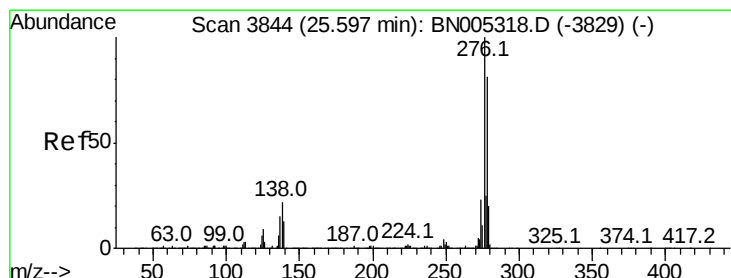
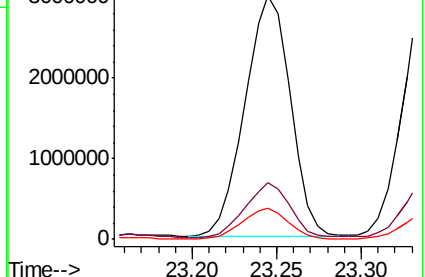
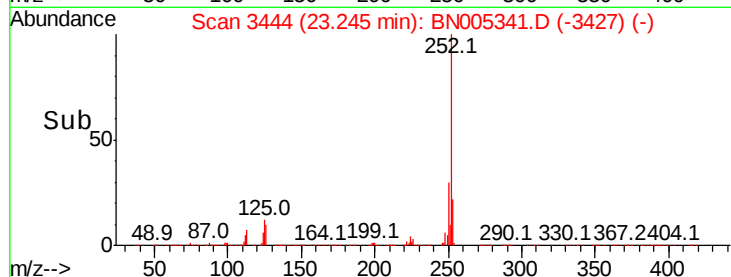
125 12.6 8.6 13.0



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: 5.769 ng/u1

RT: 25.38 min Scan# 3807

Delta R.T. -0.25 min

Lab File: BN005341.D

Acq: 27 Apr 2019 05:42

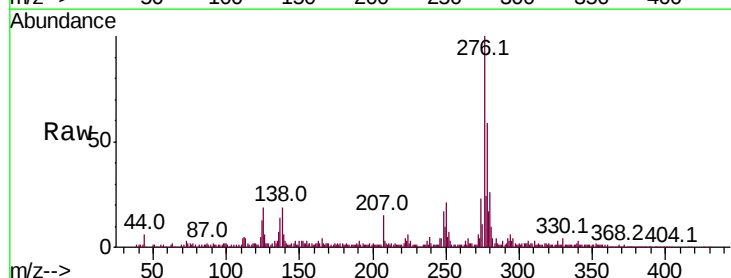
Tgt Ion:276 Resp: 572842

Ion Ratio Lower Upper

276 100

138 18.5 17.9 26.9

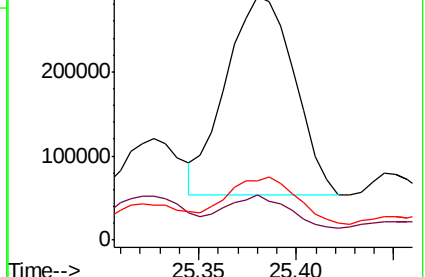
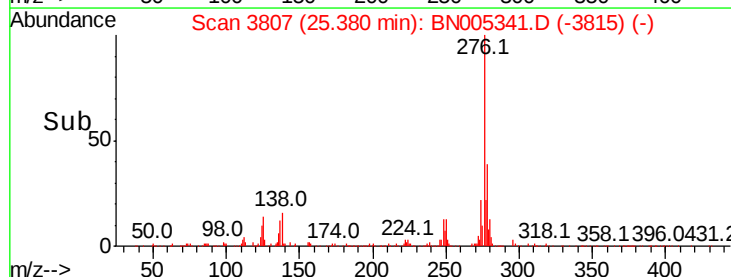
277 24.3 19.7 29.5

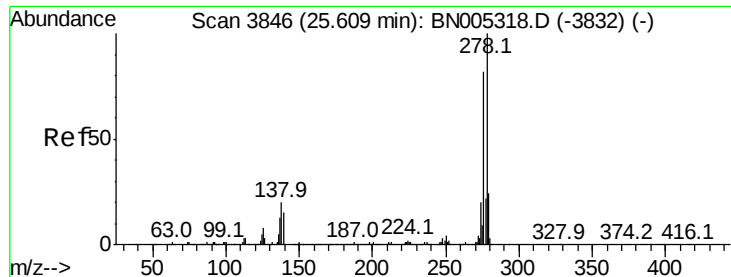


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



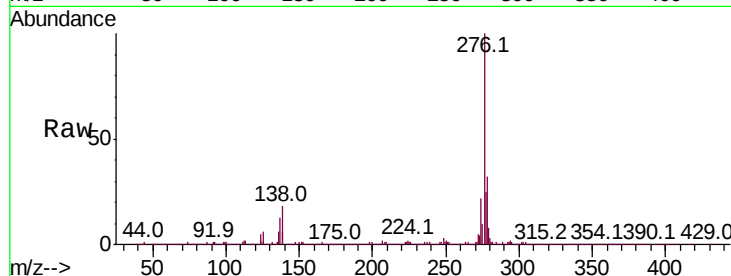


#92

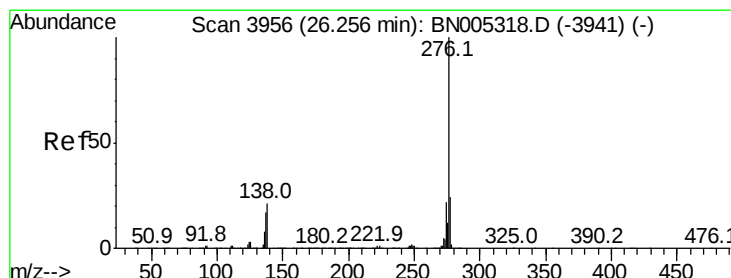
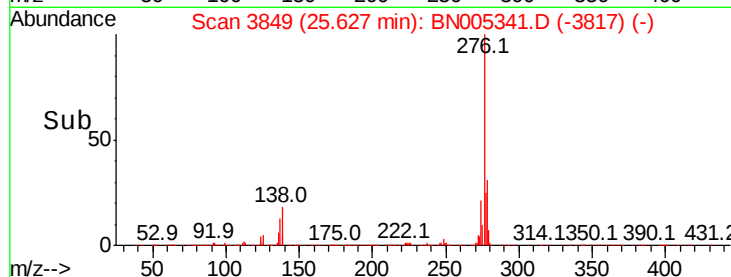
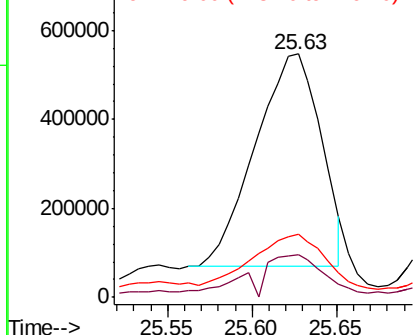
Dibenzo(a,h)anthracene
Concen: 15.324 ng/ul
RT: 25.63 min Scan# 3849
Delta R.T. -0.01 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1291327
Ion Ratio Lower Upper
278 100
139 17.3 13.1 19.7
279 26.2 19.4 29.0



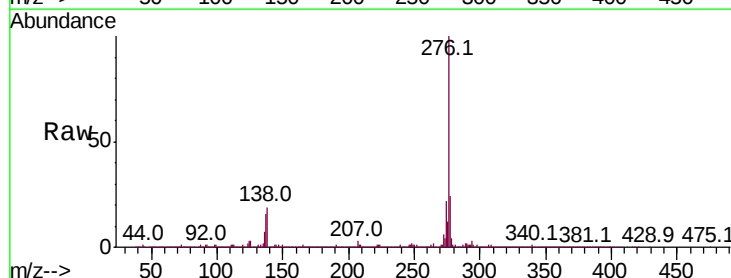
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene
Concen: 39.877 ng/ul
RT: 26.29 min Scan# 3962
Delta R.T. 0.00 min
Lab File: BN005341.D
Acq: 27 Apr 2019 05:42

Tgt Ion:276 Resp: 3274128
Ion Ratio Lower Upper
276 100
138 18.8 16.7 25.1
277 24.1 18.2 27.2



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

