

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005326.D
 Acq On : 26 Apr 2019 21:04
 Operator : JU/SJ
 Sample : K2455-02ME
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ4ME

Quant Time: Apr 26 23:32:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:25:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	507262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	2058777	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.23	164	1413454	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3121695	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2658851	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	2544552	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	41790	3.98	ng/uL	0.00
5) Phenol-d5	6.78	99	919381	23.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	581526	23.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	749238	24.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	655011	21.03	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	423930	33.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	444300	34.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	769642	26.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	937008	30.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2568249	25.03	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	3167768	25.14	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	424741	26.22	ng/ul	0.00
57) Fluorene-d10	15.23	176	2206788	25.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	262734	18.71	ng/ul	0.02
70) Anthracene-d10	17.09	188	3537423	27.03	ng/ul	0.01
78) Pyrene-d10	19.40	212	4106080	30.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	3169847	28.51	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.76	77	37440	1.326	ng/ul#	1
14) Acetophenone	8.39	105	113470	2.277	ng/ul#	33
17) Hexachloroethane	8.69	117	553254	40.419	ng/ul#	6
30) 4-Chloroaniline	10.47	127	14876931	480.972	ng/ul#	8
32) Caprolactam	11.29	113	9426	1.072	ng/ul#	1
34) 2-Methylnaphthalene	11.91	142	226316	3.229	ng/ul	84
40) 1,1'-Biphenyl	13.06	154	6301420	59.834	ng/ul	99
44) Dimethylphthalate	13.70	163	334132	3.268	ng/ul	99
47) Acenaphthylene	13.96	152	14908394	120.377	ng/ul#	91
49) Acenaphthene	14.30	153	1990415	23.542	ng/ul	100
53) Dibenzofuran	14.63	168	2442537	20.065	ng/ul	97
54) 2,4-Dinitrotoluene	14.60	165	162501	6.385	ng/ul#	41
58) Fluorene	15.29	166	10282870	108.254	ng/ul	96
60) 4-Nitroaniline	15.30	138	116817	5.710	ng/ul#	15
64) N-Nitrosodiphenylamine	15.50	169	207279	2.426	ng/ul#	89
69) Phenanthrene	17.12	178	4866974	32.013	ng/ul	99
71) Anthracene	17.12	178	4853982	31.342	ng/ul	99
76) Fluoranthene	19.06	202	11180043	66.299	ng/ul	100
79) Pyrene	19.43	202	14898787	87.028	ng/ul#	92
82) Benzo(a)anthracene	21.25	228	5033333	30.430	ng/ul	95
84) Chrysene	21.25	228	5034490	32.795	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	2813822	19.672	ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	2813822	20.598	ng/ul	98

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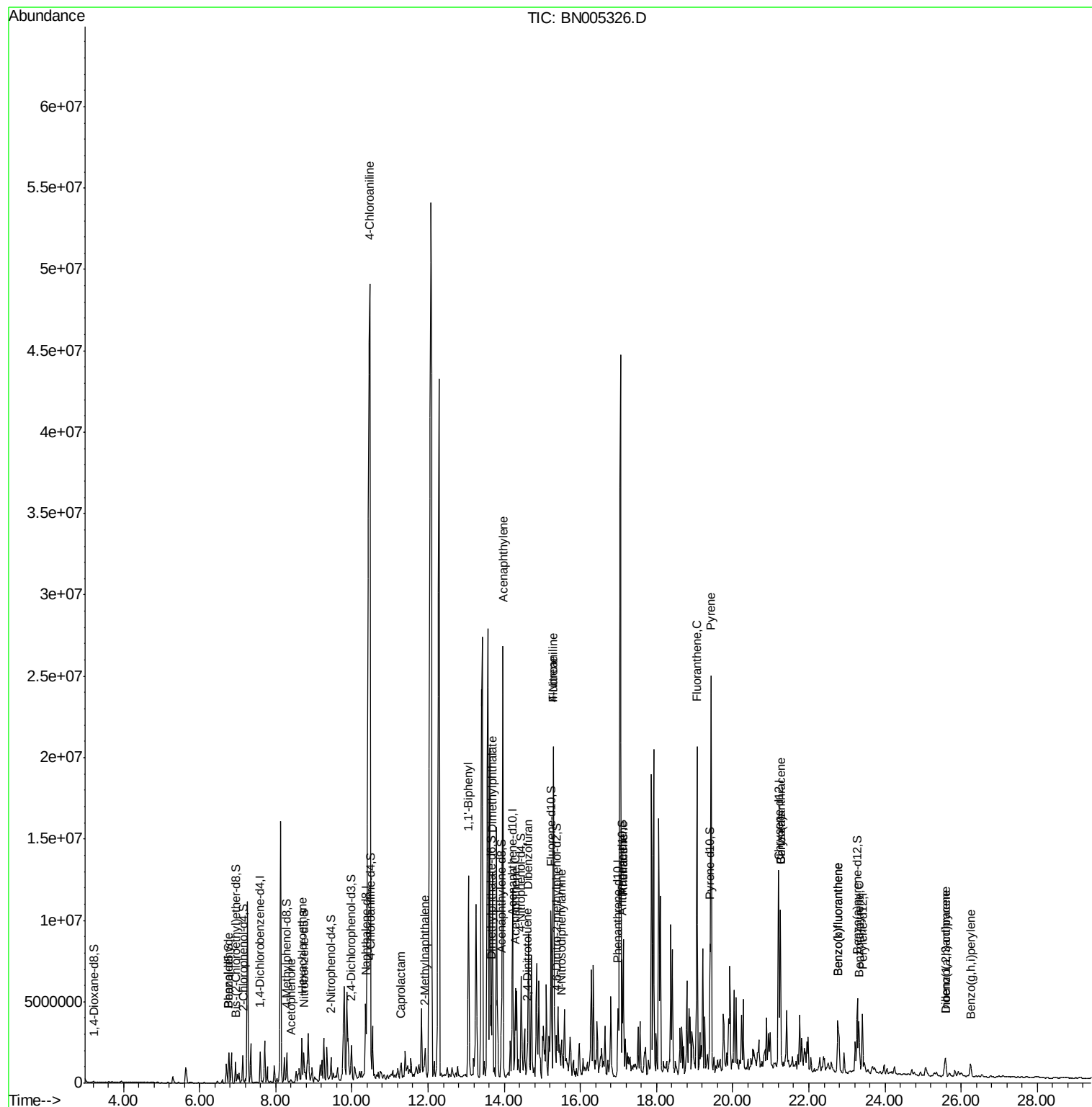
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.32	252	1857524	13.816	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.58	276	1049837	7.063	ng/ul	98
92) Dibenzo(a,h)anthracene	25.59	278	344799	2.733	ng/ul	96
93) Benzo(g,h,i)perylene	26.24	276	895161	7.283	ng/ul	96

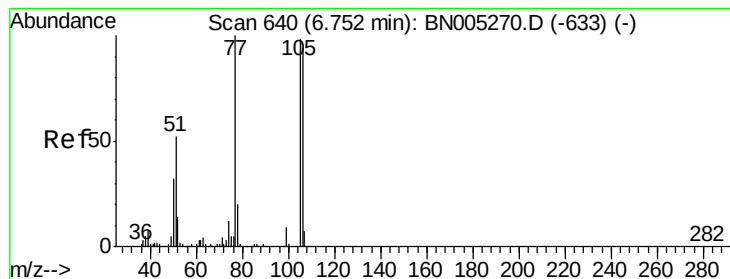
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.326 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

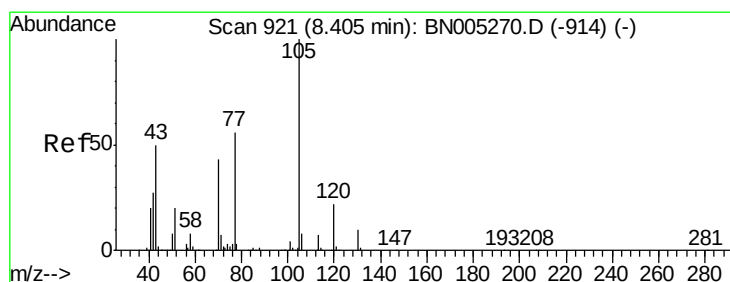
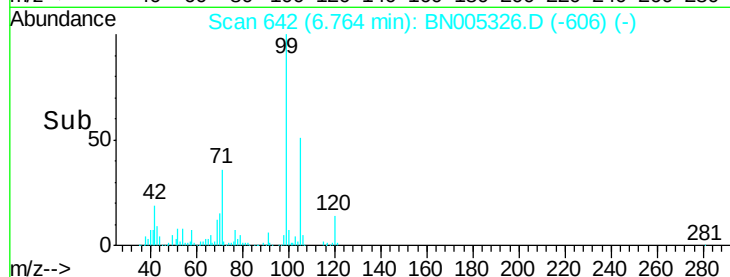
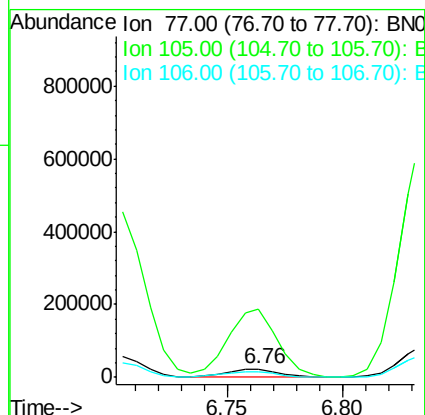
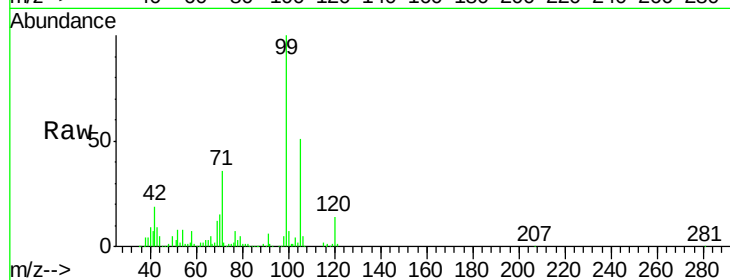
Tgt Ion: 77 Resp: 37440

Ion Ratio Lower Upper

77 100

105 781.8 77.4 116.2#

106 70.0 76.3 114.5#



#14

Acetophenone

Concen: 2.277 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

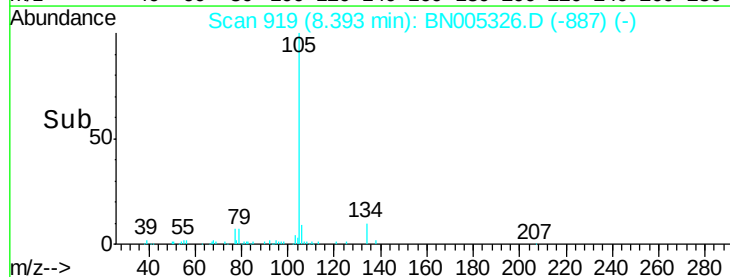
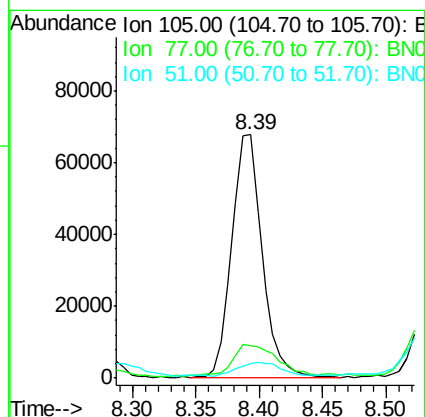
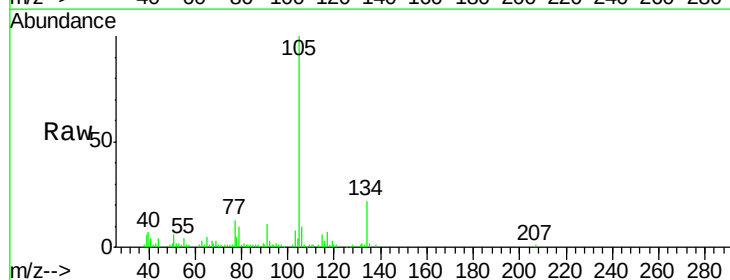
Tgt Ion: 105 Resp: 113470

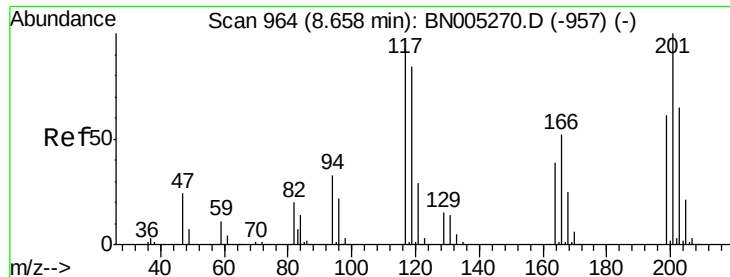
Ion Ratio Lower Upper

105 100

77 13.3 63.4 95.0#

51 6.0 24.2 36.4#





#17

Hexachloroethane

Concen: 40.419 ng/ul

RT: 8.69 min Scan# 969

Delta R.T. 0.03 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

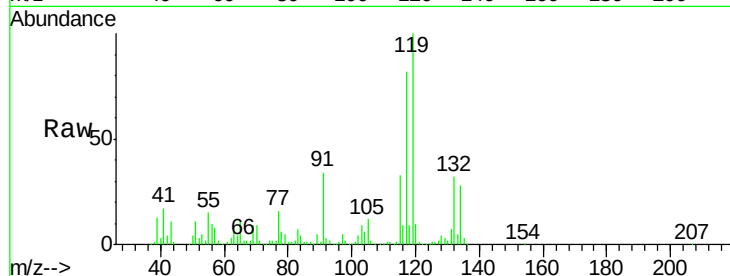
Tgt Ion:117 Resp: 553254

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

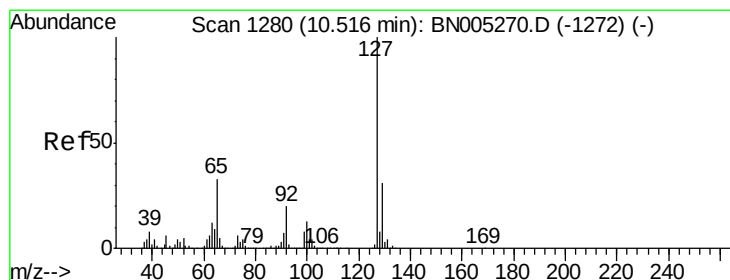
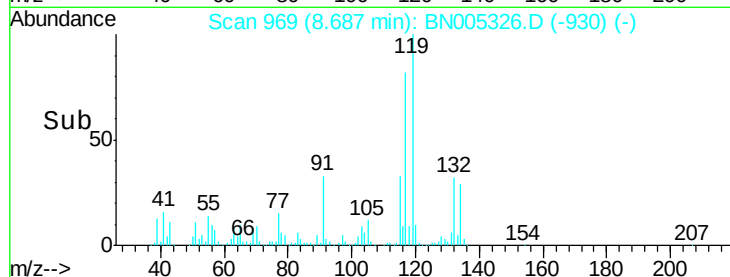
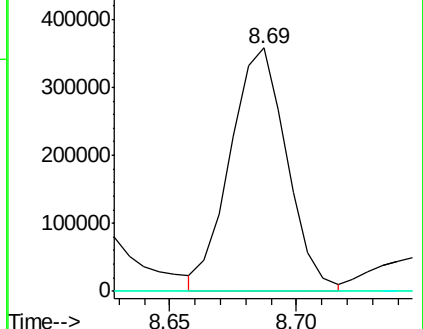
199 0.0 51.2 76.8#



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



#30

4-Chloroaniline

Concen: 480.972 ng/ul

RT: 10.47 min Scan# 1272

Delta R.T. -0.05 min

Lab File: BN005326.D

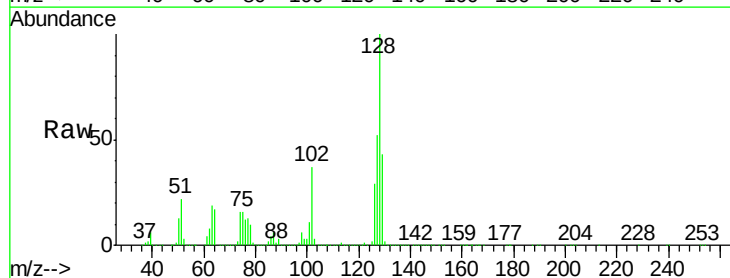
Acq: 26 Apr 2019 21:04

Tgt Ion:127 Resp:14876931

Ion Ratio Lower Upper

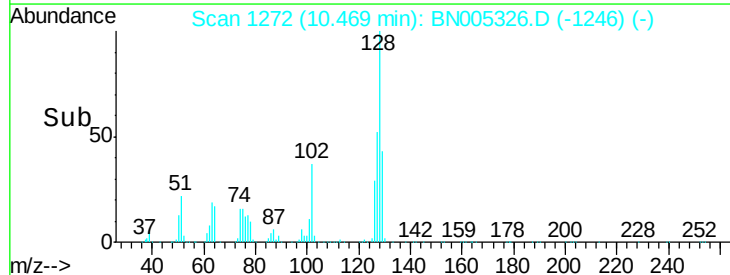
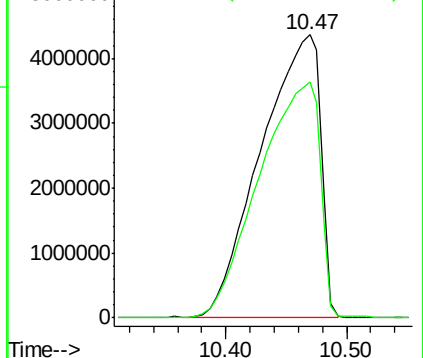
127 100

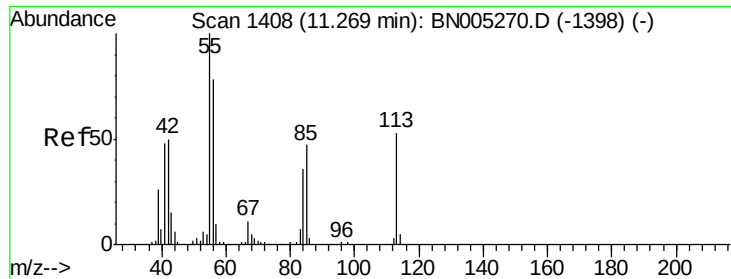
129 83.4 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 1.072 ng/ul

RT: 11.29 min Scan# 1412

Delta R.T. 0.02 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

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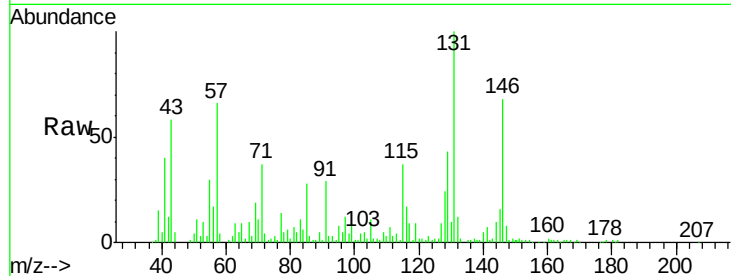
Tgt Ion:113 Resp: 9426

Ion Ratio Lower Upper

113 100

55 686.6 157.0 235.4#

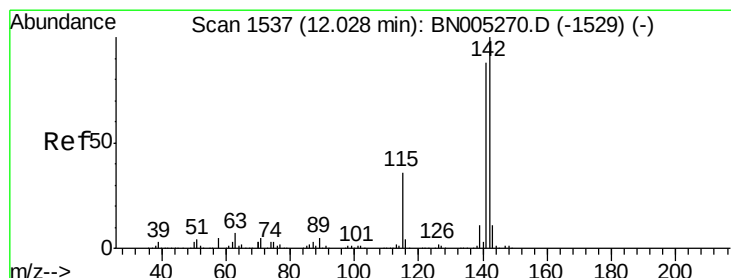
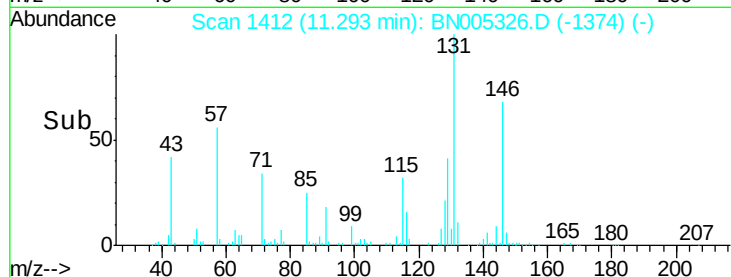
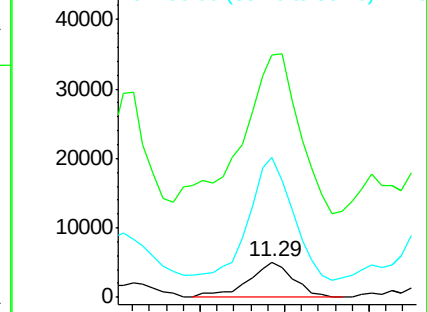
56 398.0 119.1 178.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#34

2-Methylnaphthalene

Concen: 3.229 ng/ul

RT: 11.91 min Scan# 1517

Delta R.T. -0.11 min

Lab File: BN005326.D

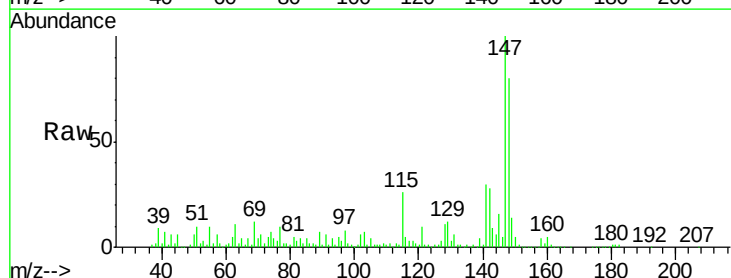
Acq: 26 Apr 2019 21:04

Tgt Ion:142 Resp: 226316

Ion Ratio Lower Upper

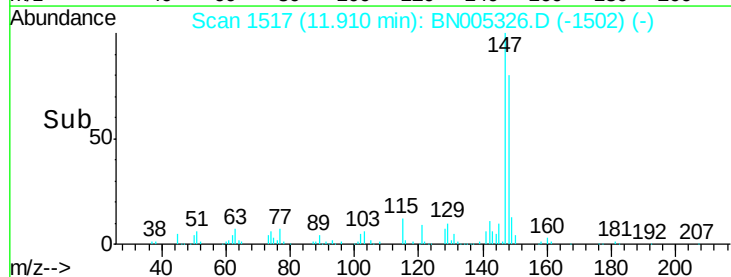
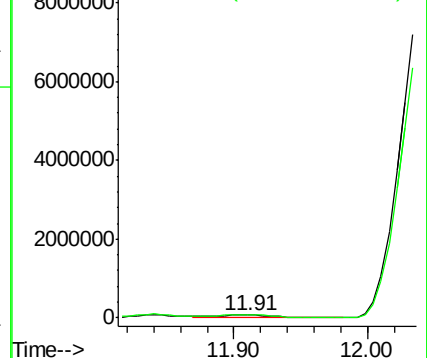
142 100

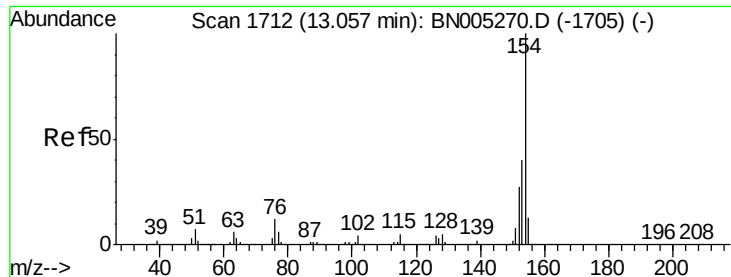
141 104.9 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

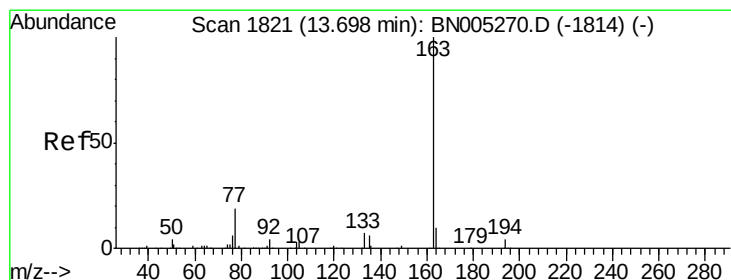
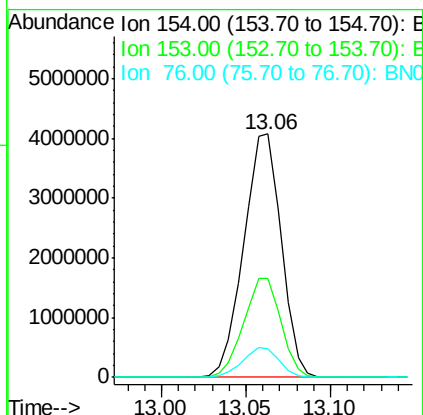
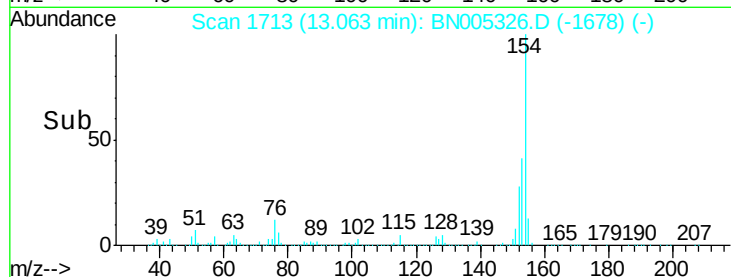
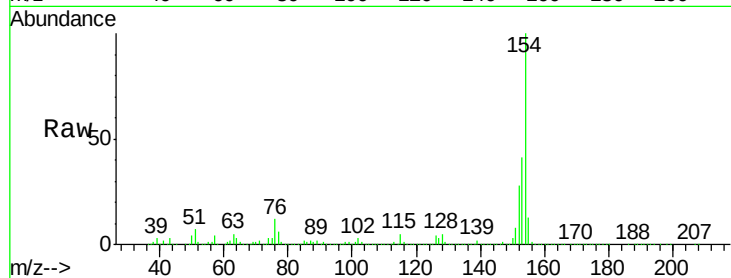




#40
 1,1'-Biphenyl
 Concen: 59.834 ng/ul
 RT: 13.06 min Scan# 1713
 Delta R.T. 0.01 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

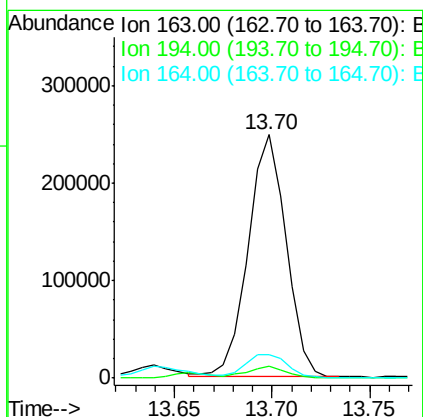
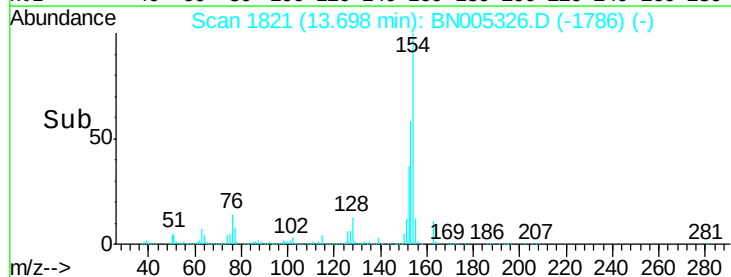
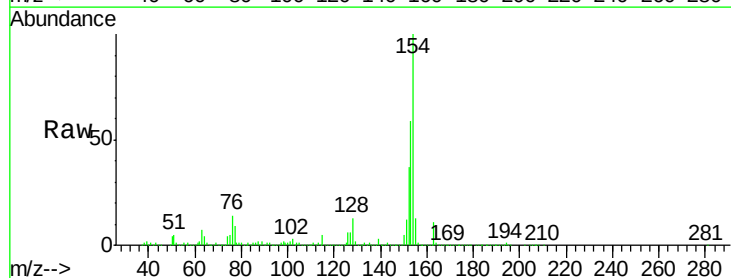
Instrument :
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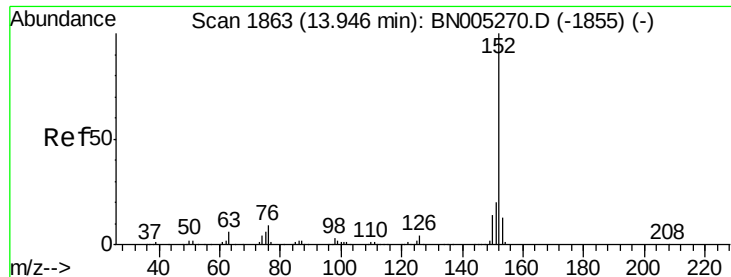
Tgt Ion:154 Resp: 6301420
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 49.0
 76 11.9 10.4 15.6



#44
 Dimethylphthalate
 Concen: 3.268 ng/ul
 RT: 13.70 min Scan# 1821
 Delta R.T. 0.01 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

Tgt Ion:163 Resp: 334132
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.4 5.0
 164 9.9 8.1 12.1





#47

Acenaphthylene

Concen: 120.377 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.02 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

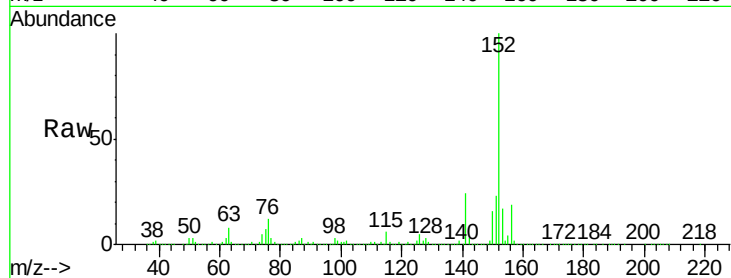
Tgt Ion:152 Resp:14908394

Ion Ratio Lower Upper

152 100

151 23.1 15.8 23.8

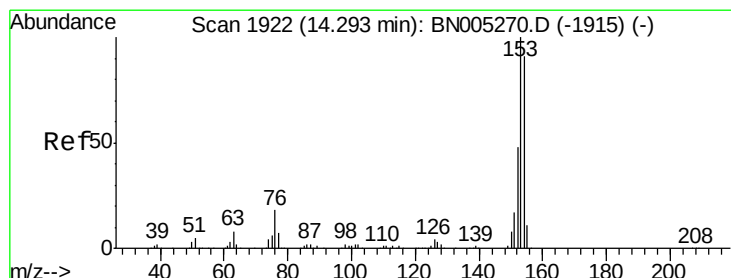
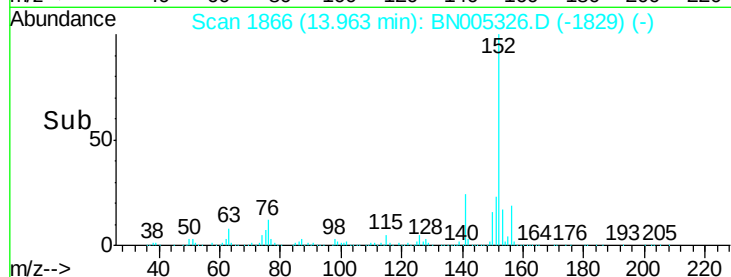
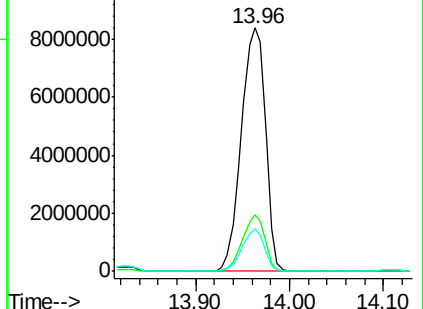
153 17.3 9.8 14.8#



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: 23.542 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

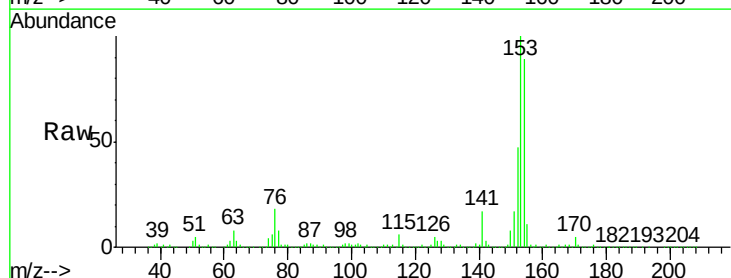
Tgt Ion:153 Resp: 1990415

Ion Ratio Lower Upper

153 100

152 46.6 37.4 56.0

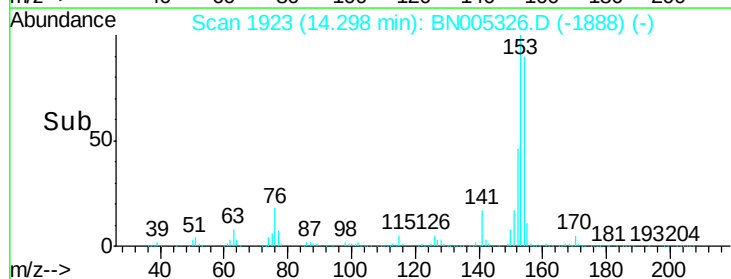
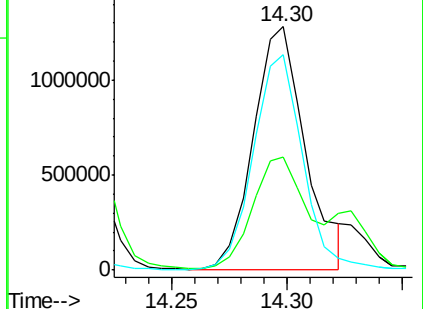
154 88.7 71.2 106.8

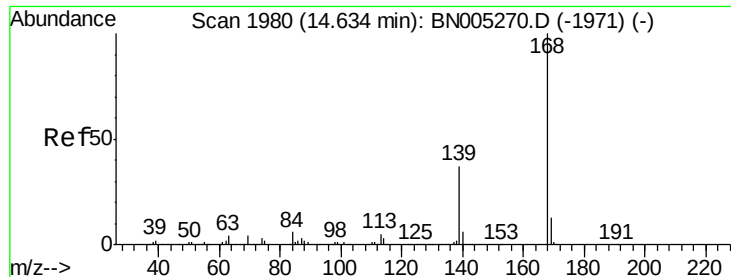


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 20.065 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BN005326.D

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ClientSampleId :

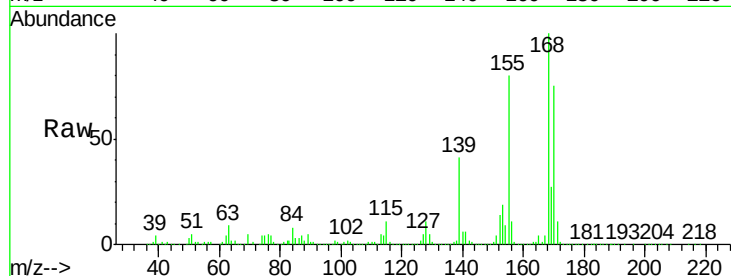
GAHQ4ME

Tgt Ion:168 Resp: 2442537

Ion Ratio Lower Upper

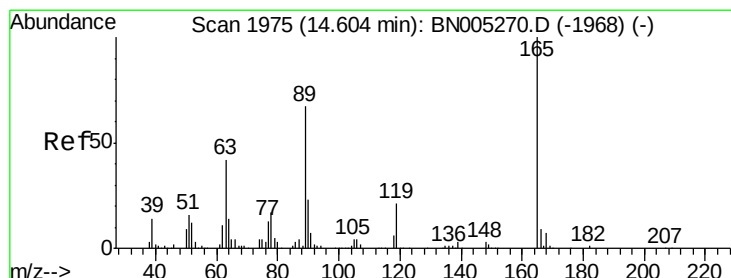
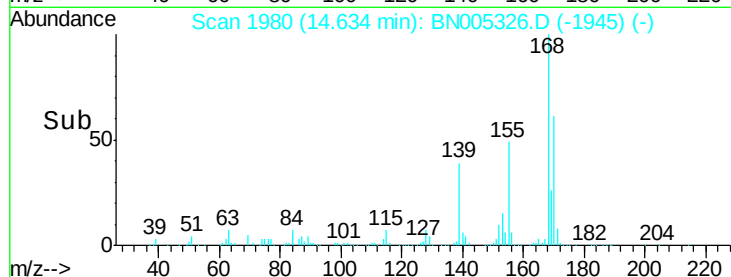
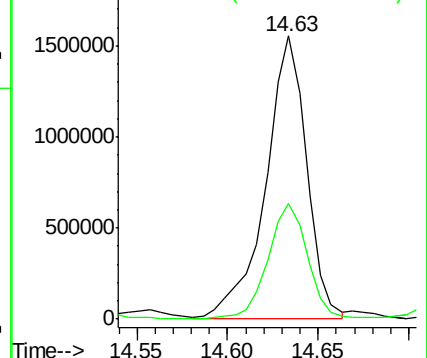
168 100

139 40.7 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: 6.385 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

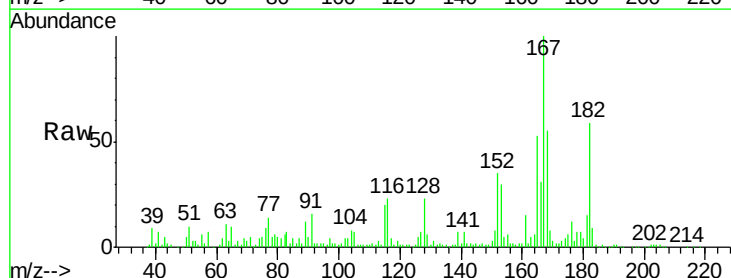
Tgt Ion:165 Resp: 162501

Ion Ratio Lower Upper

165 100

63 20.4 38.9 58.3#

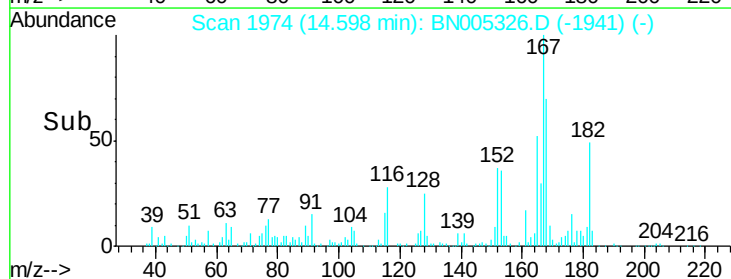
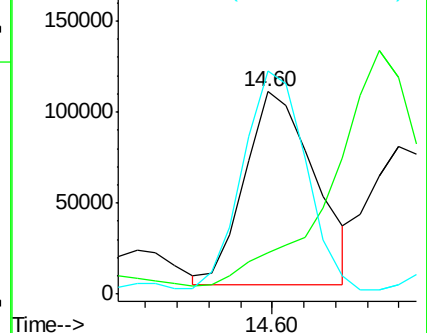
182 110.5 2.6 3.8#

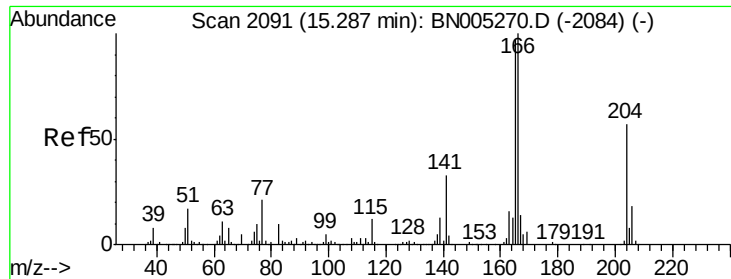


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

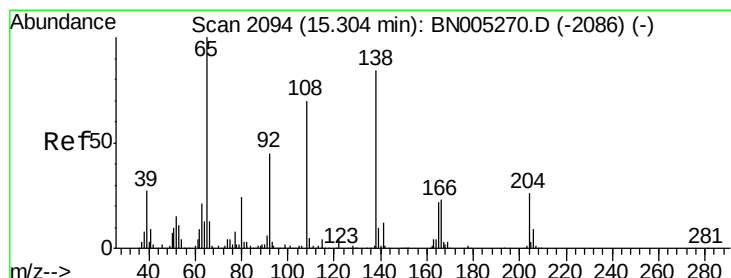
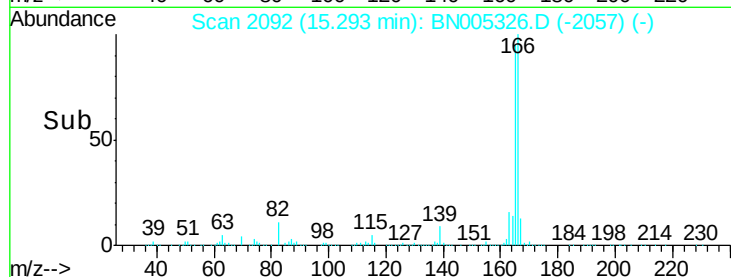
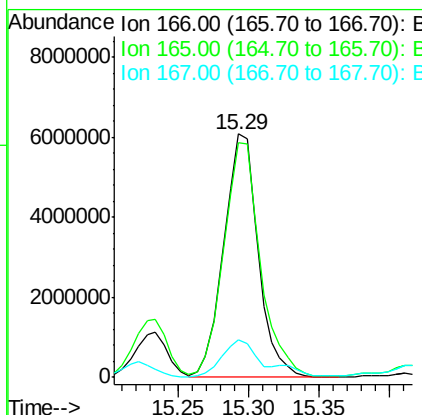
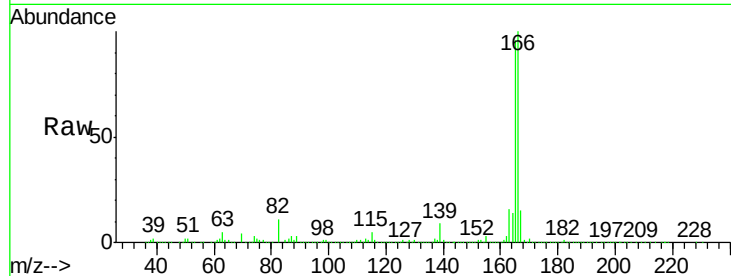




#58
 Fluorene
 Concen: 108.254 ng/ul
 RT: 15.29 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

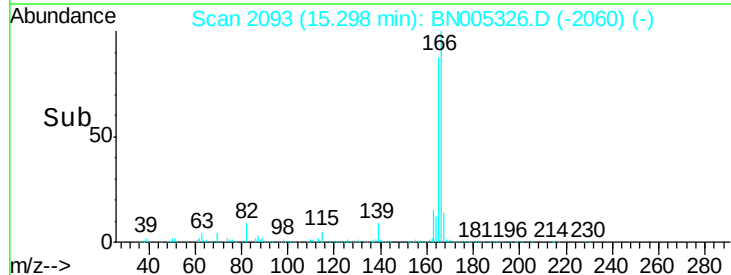
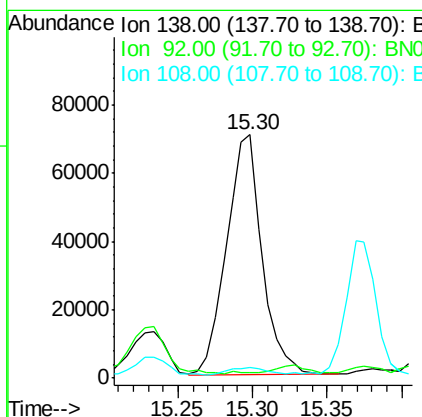
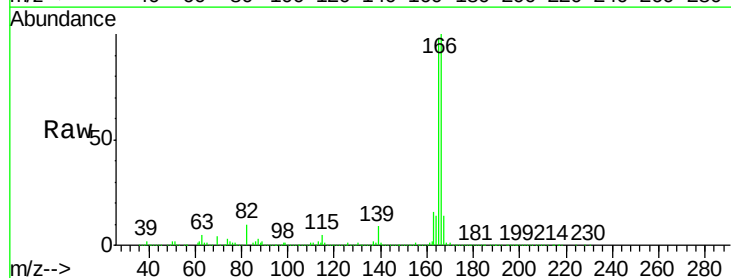
Instrument :
 BNA_N
 ClientSampleId :
 GAHQ4ME

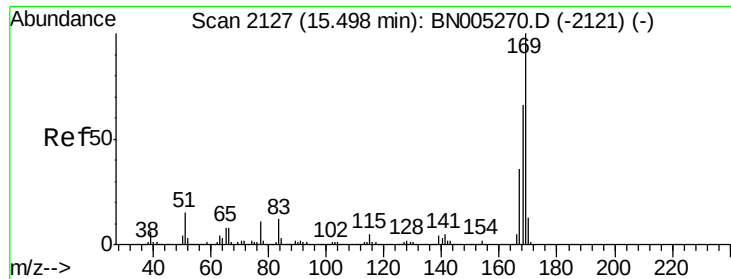
Tgt Ion:166 Resp:10282870
 Ion Ratio Lower Upper
 166 100
 165 96.3 80.0 120.0
 167 15.2 10.7 16.1



#60
 4-Nitroaniline
 Concen: 5.710 ng/ul
 RT: 15.30 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

Tgt Ion:138 Resp: 116817
 Ion Ratio Lower Upper
 138 100
 92 2.4 45.3 67.9#
 108 4.3 73.2 109.8#





#64

N-Nitrosodiphenylamine

Concen: 2.426 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

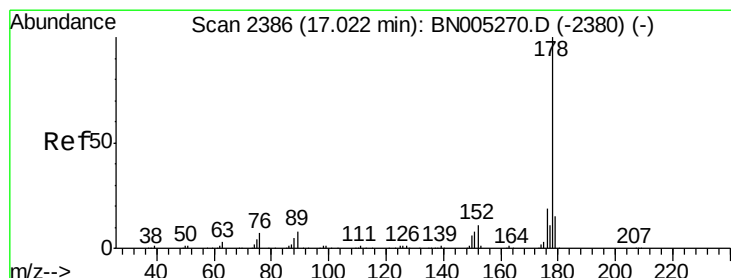
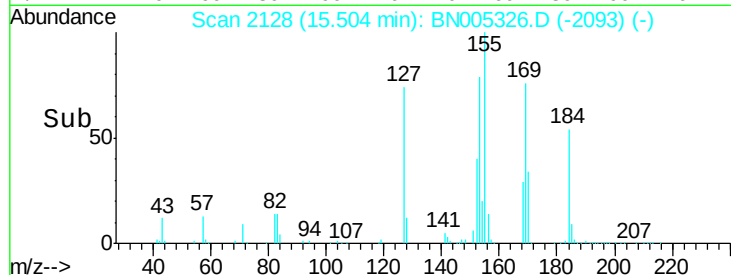
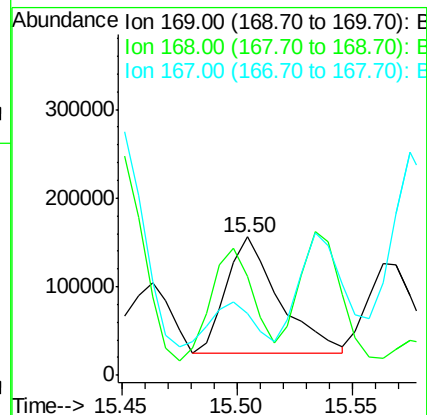
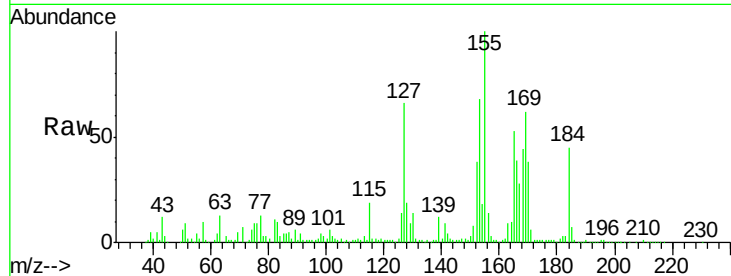
Tgt Ion:169 Resp: 207279

Ion Ratio Lower Upper

169 100

168 71.2 52.2 78.2

167 44.9 27.7 41.5#



#69

Phenanthrene

Concen: 32.013 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.09 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

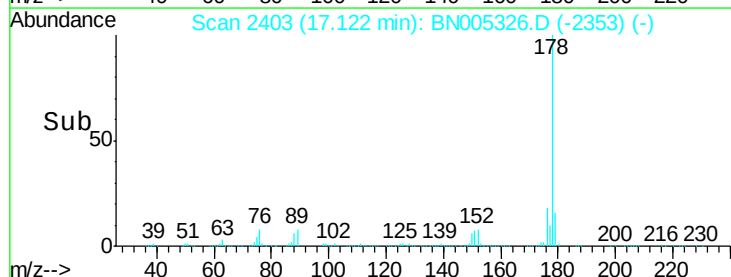
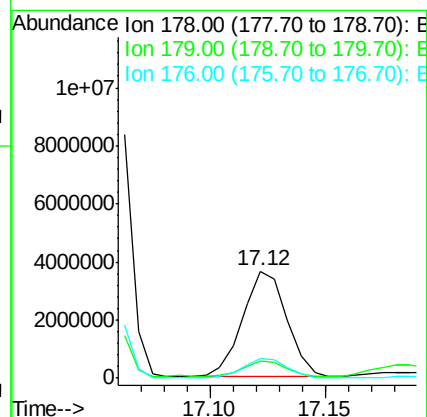
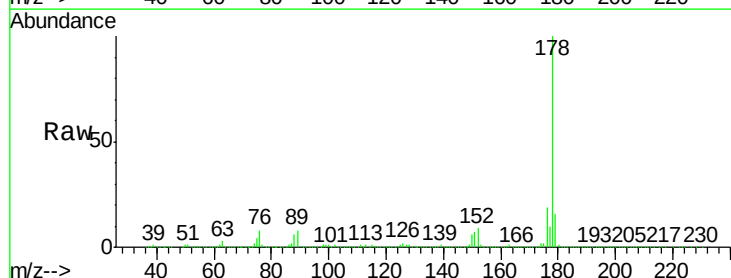
Tgt Ion:178 Resp: 4866974

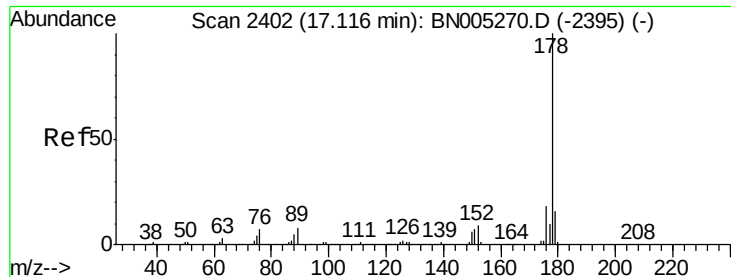
Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

176 18.5 15.1 22.7





#71

Anthracene

Concen: 31.342 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampled :

GAHQ4ME

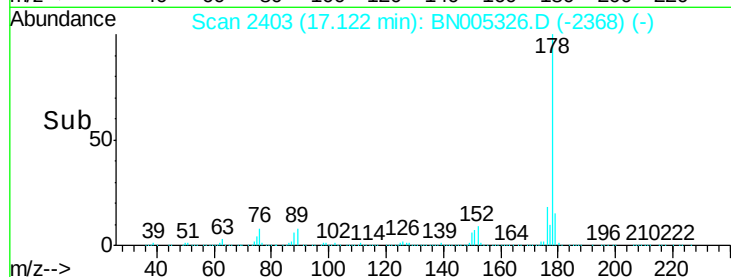
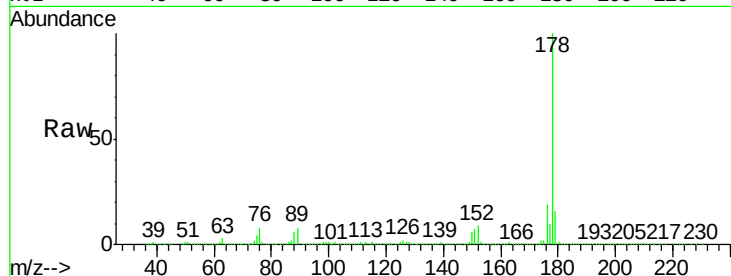
Tgt Ion:178 Resp: 4853982

Ion Ratio Lower Upper

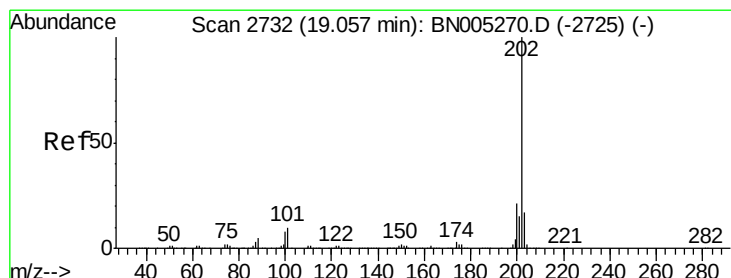
178 100

179 15.8 12.3 18.5

176 18.5 15.1 22.7



Time-->



#76

Fluoranthene

Concen: 66.299 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

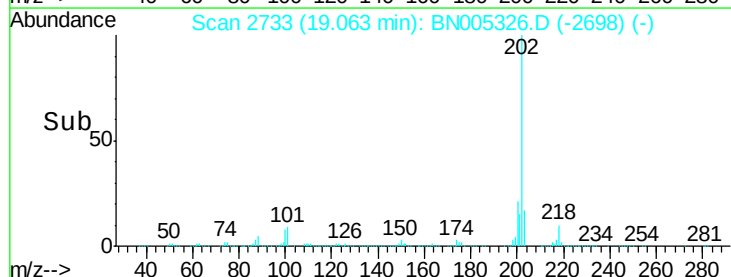
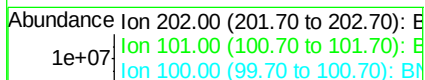
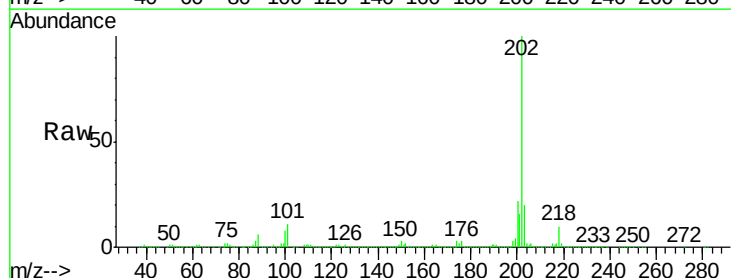
Tgt Ion:202 Resp:11180043

Ion Ratio Lower Upper

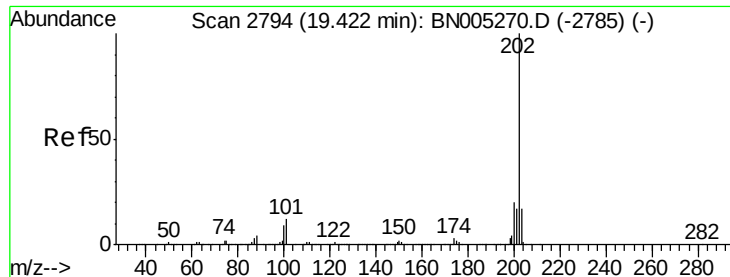
202 100

101 10.7 8.6 12.8

100 8.0 6.3 9.5



Time-->



#79

Pyrene

Concen: 87.028 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

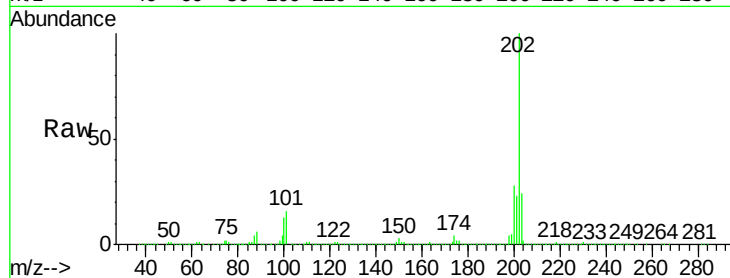
Tgt Ion:202 Resp:14898787

Ion Ratio Lower Upper

202 100

101 16.0 10.3 15.5#

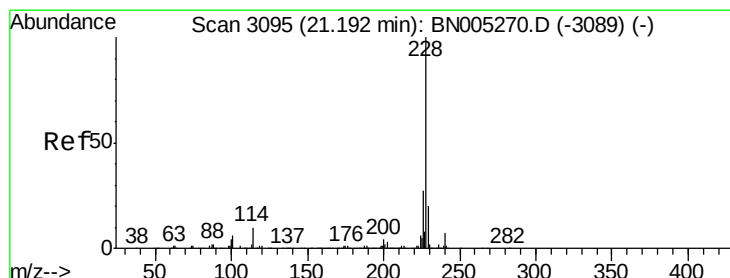
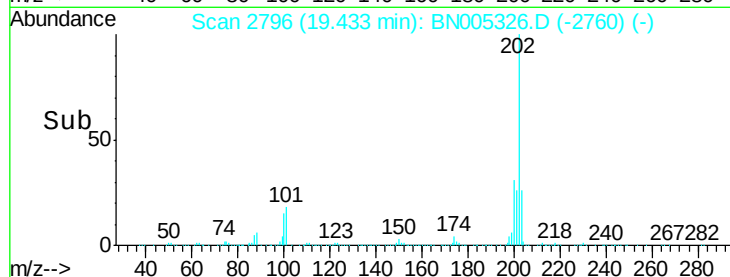
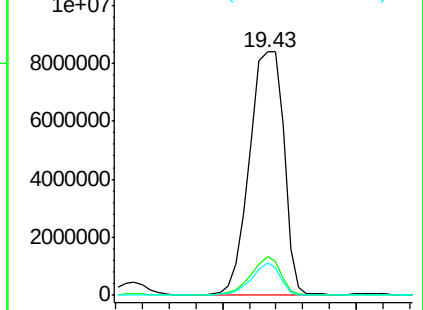
100 13.1 7.9 11.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 30.430 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Tgt Ion:228 Resp: 5033333

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

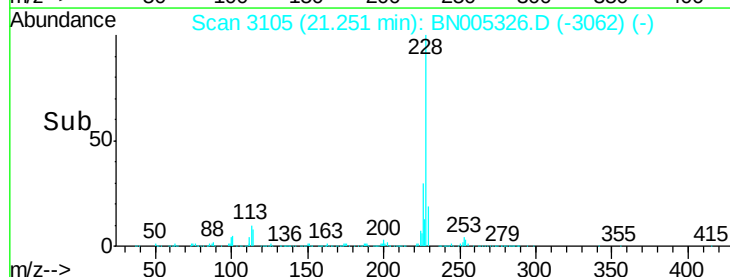
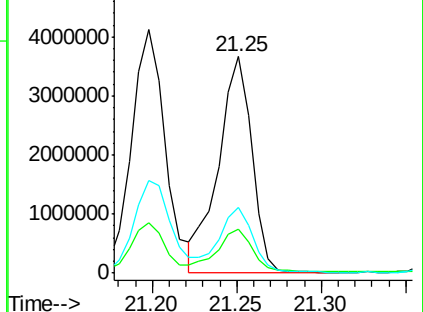
226 30.6 21.4 32.2

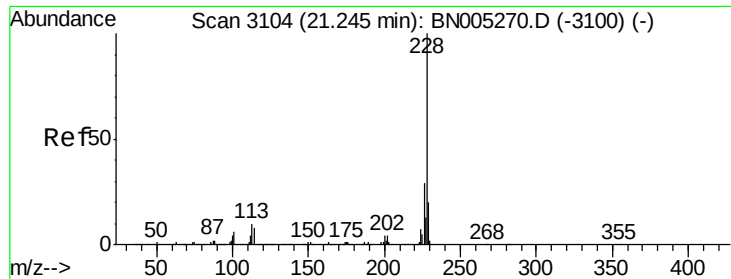


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 32.795 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

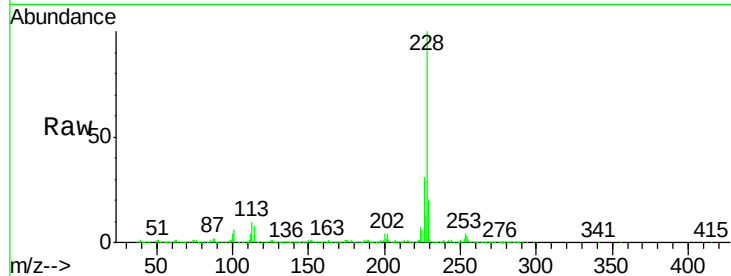
Tgt Ion:228 Resp: 5034490

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

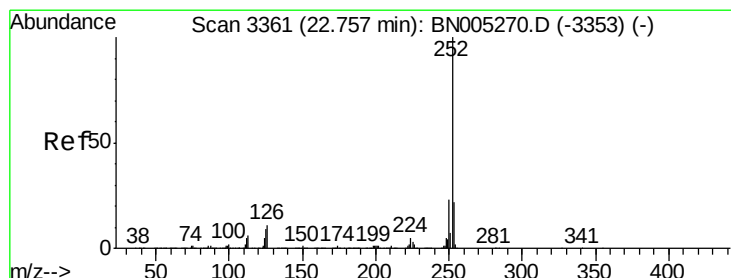
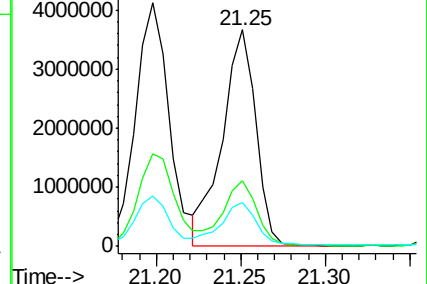
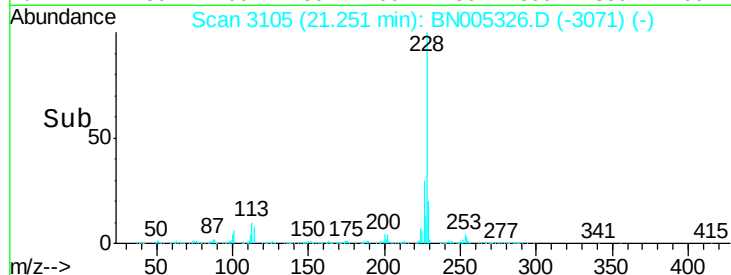
229 20.4 15.4 23.0



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: 19.672 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

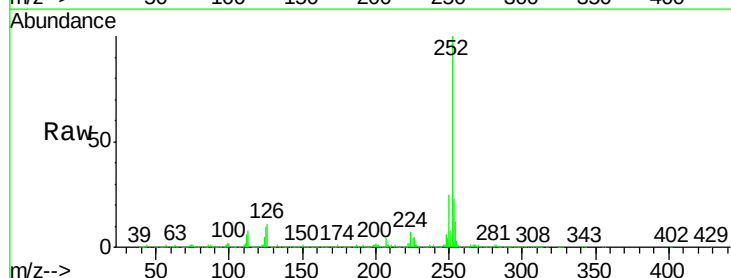
Tgt Ion:252 Resp: 2813822

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

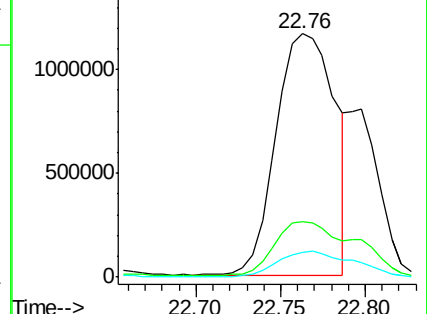
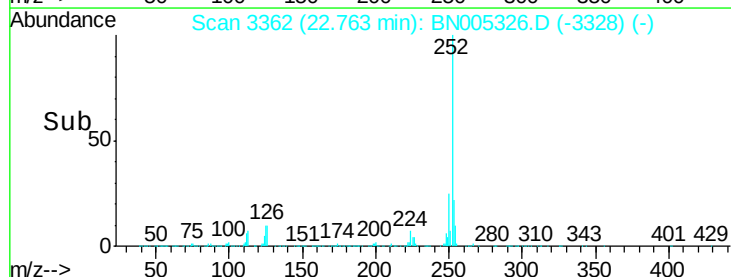
125 10.1 8.4 12.6

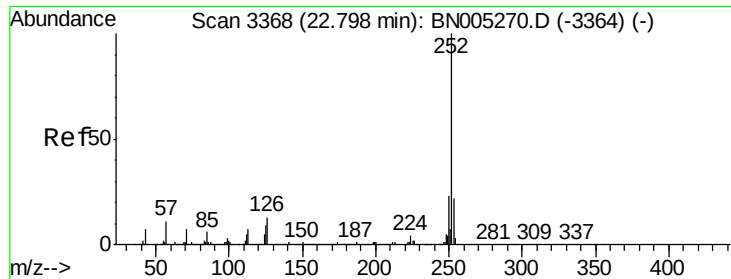


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 20.598 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.04 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

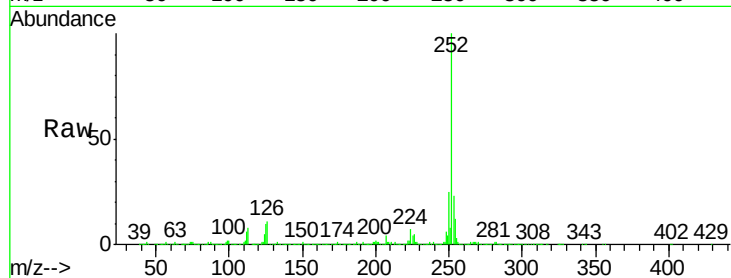
Tgt Ion:252 Resp: 2813822

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

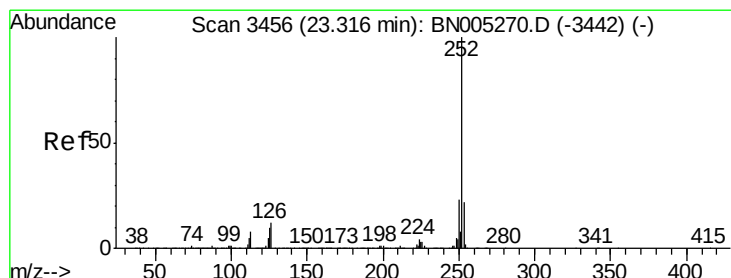
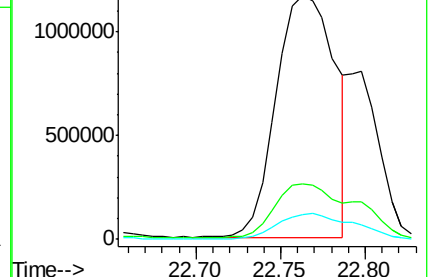
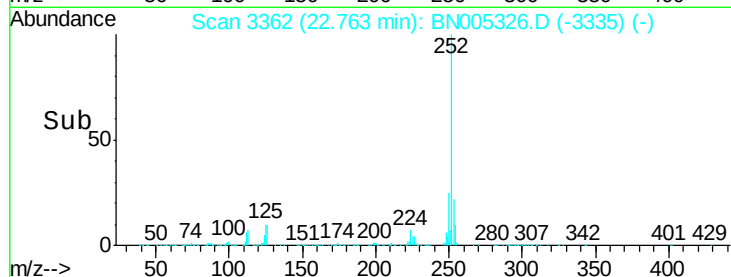
125 10.1 7.5 11.3



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: 13.816 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

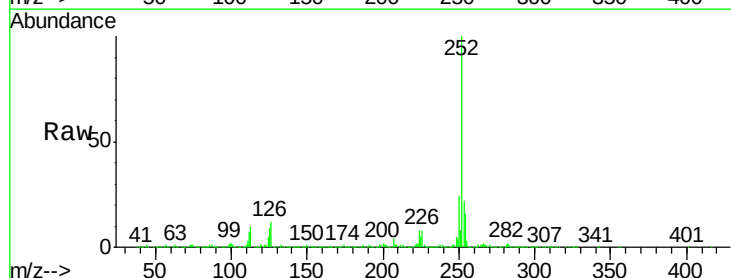
Tgt Ion:252 Resp: 1857524

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

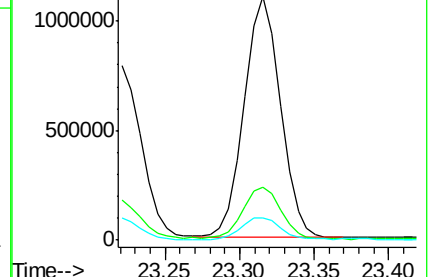
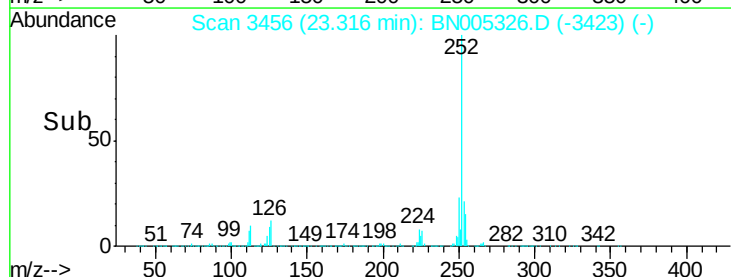
125 9.2 8.6 13.0

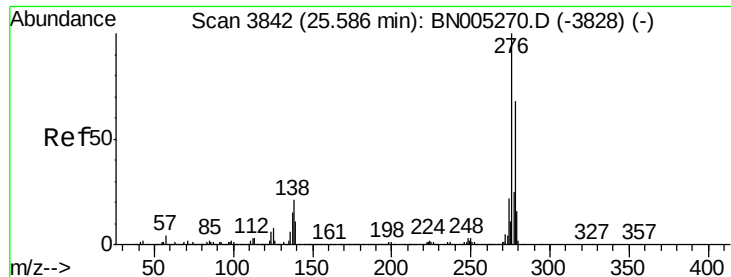


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

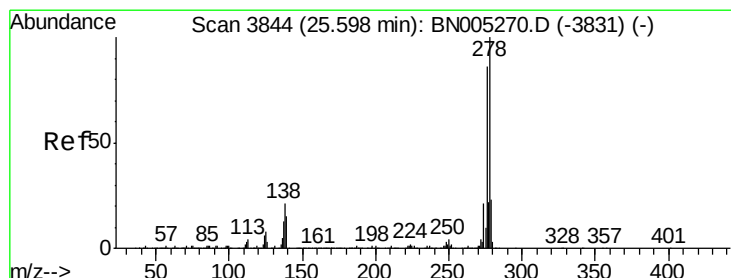
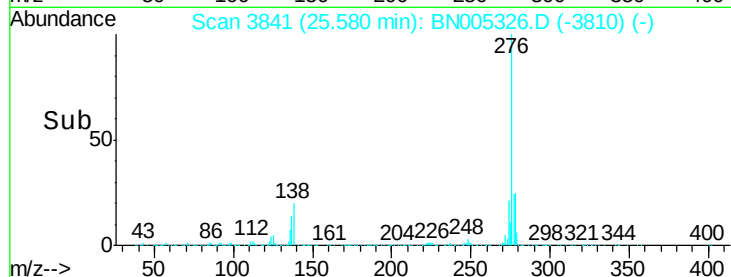
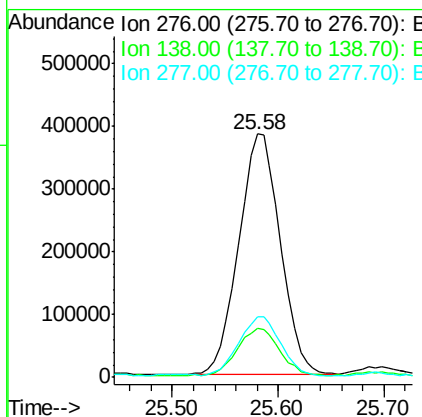
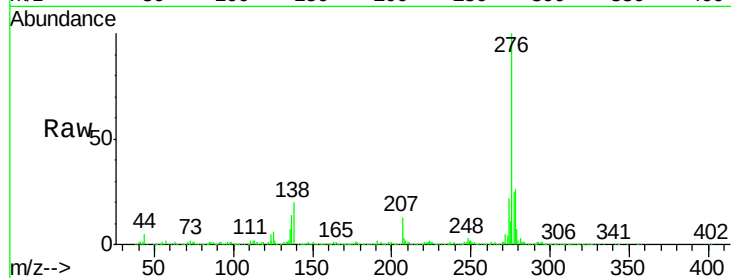




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 7.063 ng/ul
 RT: 25.58 min Scan# 3841
 Delta R.T. -0.02 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

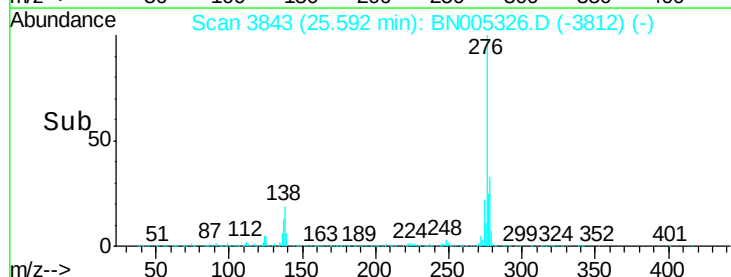
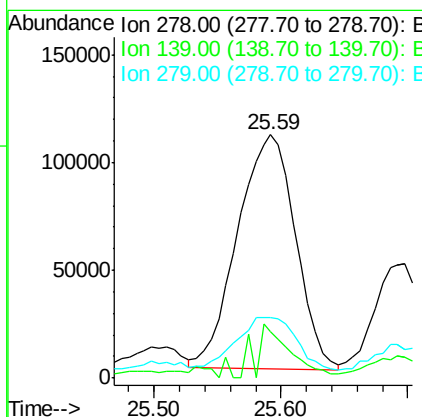
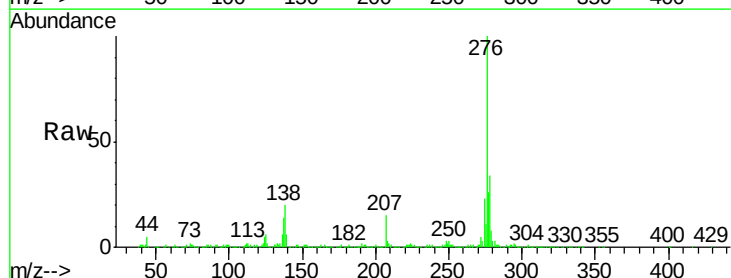
Instrument :
 BNA_N
 ClientSampleId :
 GAHQ4ME

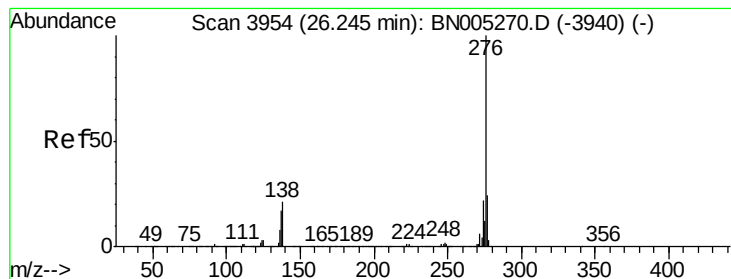
Tgt Ion:276 Resp: 1049837
 Ion Ratio Lower Upper
 276 100
 138 20.2 17.9 26.9
 277 24.9 19.7 29.5



#92
 Dibenzo(a,h)anthracene
 Concen: 2.733 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.02 min
 Lab File: BN005326.D
 Acq: 26 Apr 2019 21:04

Tgt Ion:278 Resp: 344799
 Ion Ratio Lower Upper
 278 100
 139 19.1 13.1 19.7
 279 25.1 19.4 29.0





#93

Benzo(g,h,i)perylene

Concen: 7.283 ng/ul

RT: 26.24 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BN005326.D

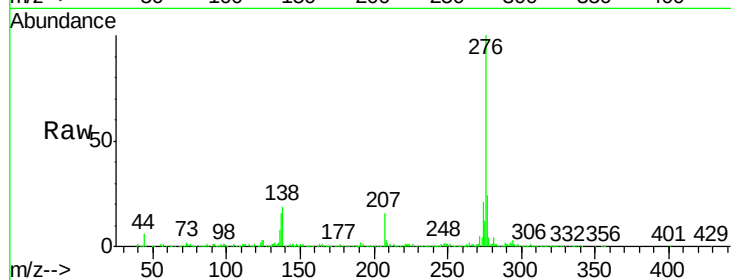
Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME



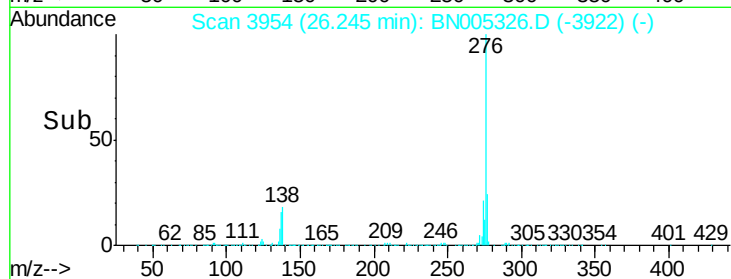
Tgt Ion: 276 Resp: 895161

Ion Ratio Lower Upper

276 100

138 18.7 16.7 25.1

277 24.0 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

