

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050119\
 Data File : BN005409.D
 Acq On : 01 May 2019 14:12
 Operator : JU/SJ
 Sample : K2456-02ME
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2ME

Quant Time: May 01 23:19:35 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	427073	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1803945	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1093431	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2312462	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1551744	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	1548427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	38137	4.31	ng/uL	0.00
5) Phenol-d5	6.78	99	860305	25.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	501771	23.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	717584	27.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	703936	26.85	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	364642	32.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	404321	35.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	741139	28.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	928011	34.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2110774	26.59	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2654511	27.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	321876	25.68	ng/ul	0.02
57) Fluorene-d10	15.23	176	1839222	27.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	100895	9.70	ng/ul	0.02
70) Anthracene-d10	17.09	188	2656753	27.41	ng/ul	0.00
78) Pyrene-d10	19.40	212	2630048	33.13	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	1930952	28.53	ng/ul	0.00

Target Compounds

					Ovalue
17) Hexachloroethane	8.68	117	35320	3.065	ng/ul# 6
30) 4-Chloroaniline	10.43	127	4467408	164.835	ng/ul# 11
34) 2-Methylnaphthalene	12.05	142	20211739	329.154	ng/ul 91
40) 1,1'-Biphenyl	13.06	154	2385979	29.286	ng/ul 99
44) Dimethylphthalate	13.69	163	510227	6.451	ng/ul 100
47) Acenaphthylene	13.95	152	5178715	54.054	ng/ul# 97
49) Acenaphthene	14.29	153	590325	9.026	ng/ul 99
53) Dibenzofuran	14.63	168	620639	6.591	ng/ul 97
54) 2,4-Dinitrotoluene	14.60	165	39459	2.004	ng/ul# 36
58) Fluorene	15.29	166	3296718	44.864	ng/ul 98
60) 4-Nitroaniline	15.29	138	38123	2.409	ng/ul# 15
69) Phenanthrene	17.03	178	14614566	129.768	ng/ul 96
71) Anthracene	17.12	178	718604	6.264	ng/ul 99
76) Fluoranthene	19.06	202	3980140	31.862	ng/ul 97
79) Pyrene	19.43	202	5536208	55.411	ng/ul 95
82) Benzo(a)anthracene	21.26	228	1422974	14.741	ng/ul 95
84) Chrysene	21.26	228	1422941	15.882	ng/ul 99
87) Benzo(b)fluoranthene	22.79	252	894566	10.277	ng/ul 95
88) Benzo(k)fluoranthene	22.79	252	894566	10.761	ng/ul 95
90) Benzo(a)pyrene	23.34	252	296674	3.626	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.62	276	348307	3.851	ng/ul# 94
92) Dibenzo(a,h)anthracene	25.62	278	111637	1.454	ng/ul 99
93) Benzo(g,h,i)perylene	26.29	276	257654	3.445	ng/ul 97

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QLast Update : Thu Apr 25 03:19:34 2019
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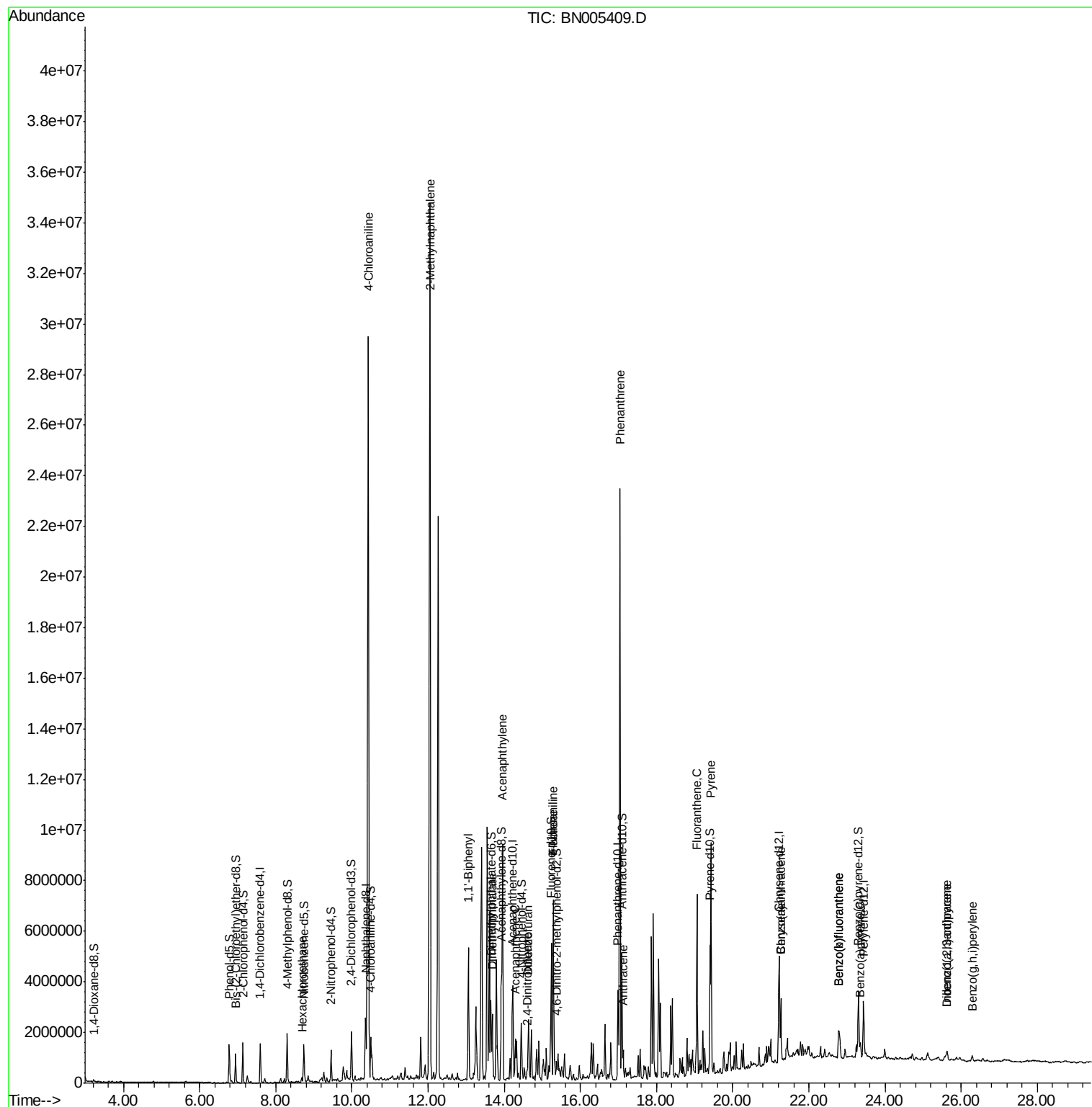
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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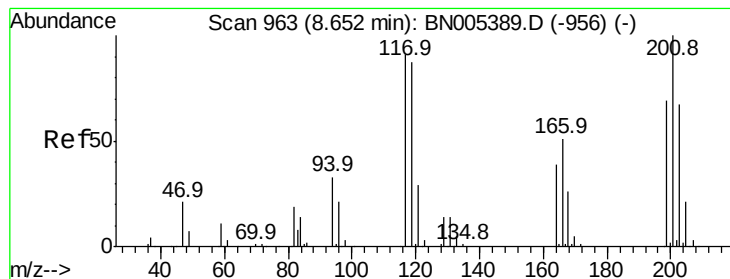
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 3.065 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

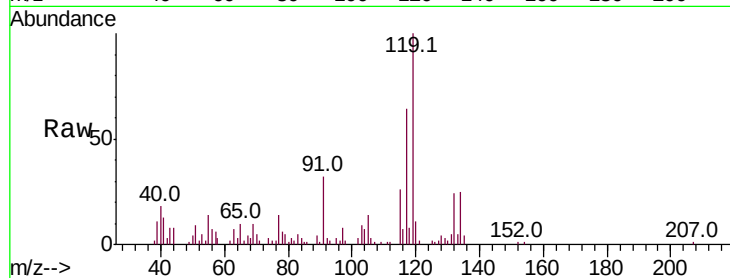
Tot Ion:117 Resp: 35320

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

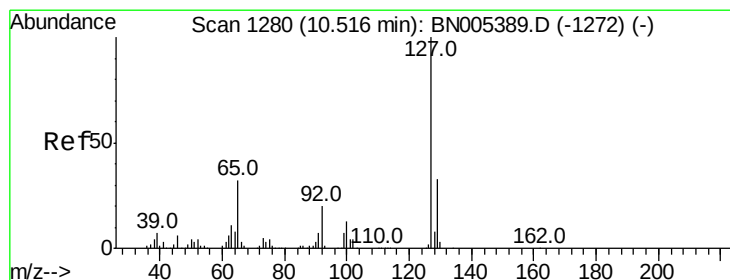
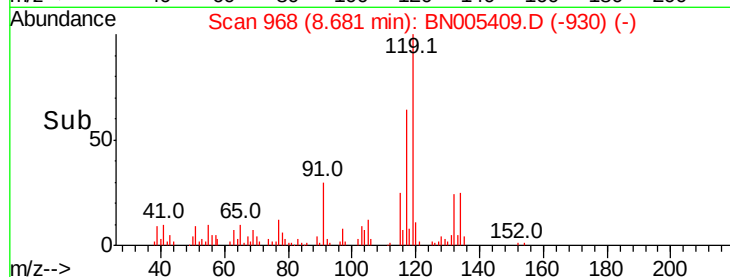
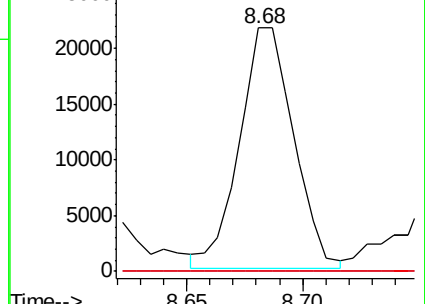
199 0.0 51.2 76.8#



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: 164.835 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.09 min

Lab File: BN005409.D

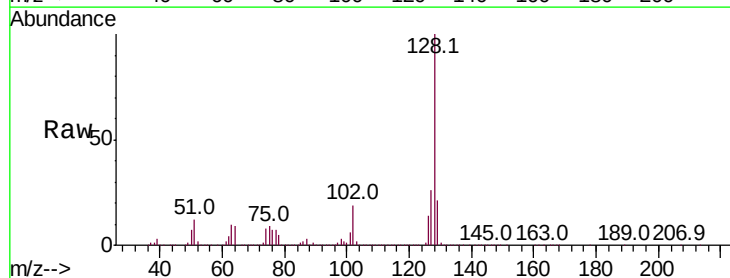
Acq: 01 May 2019 14:12

Tgt Ion:127 Resp: 4467408

Ion Ratio Lower Upper

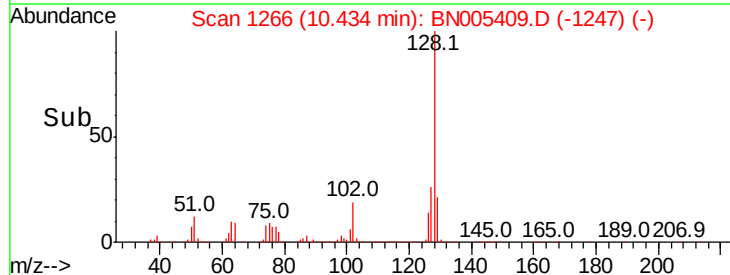
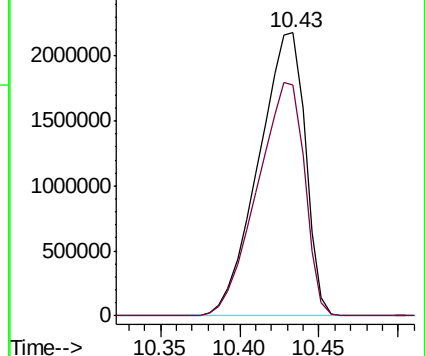
127 100

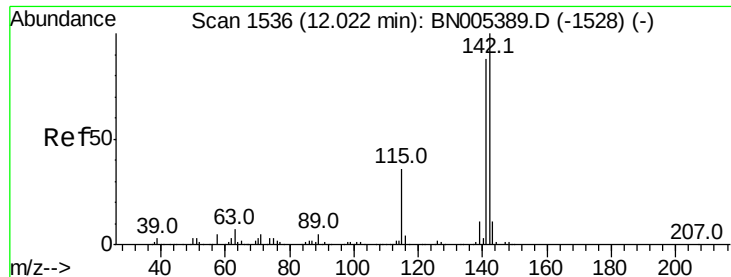
129 81.8 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 329.154 ng/ul

RT: 12.05 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

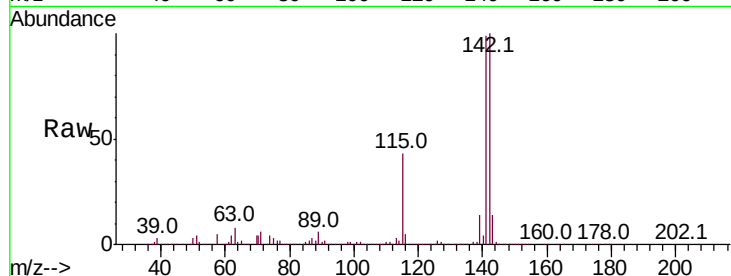
GAHQ2ME

Tot Ion:142 Resp:20211739

Ion Ratio Lower Upper

142 100

141 98.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.05

8000000

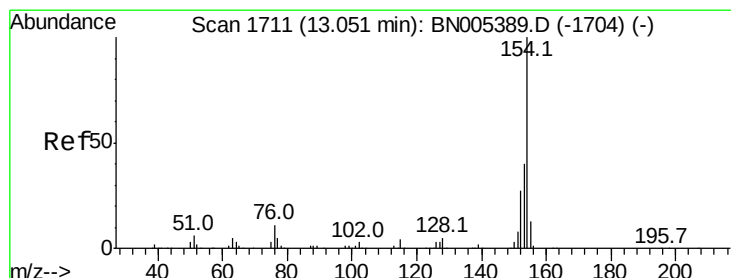
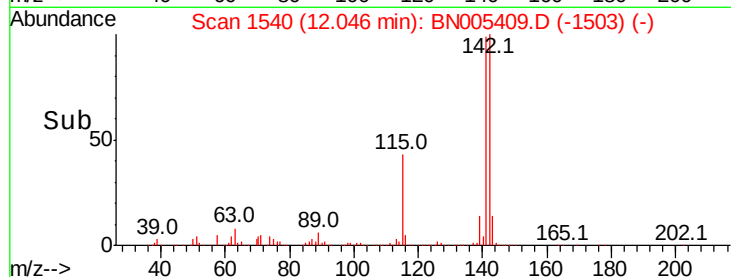
6000000

4000000

2000000

0

Time-->



#40

1,1'-Biphenyl

Concen: 29.286 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

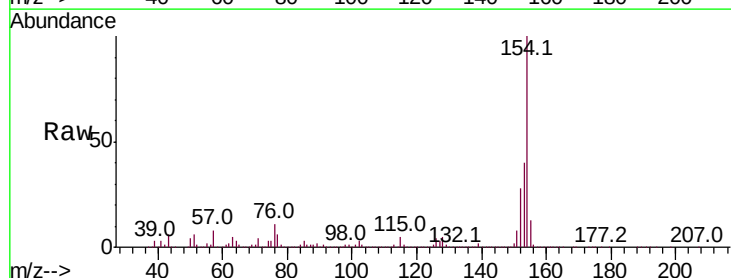
Tgt Ion:154 Resp: 2385979

Ion Ratio Lower Upper

154 100

153 40.4 32.6 49.0

76 11.3 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

13.06

2000000

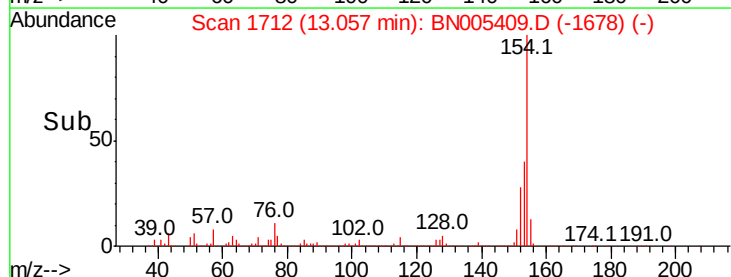
1500000

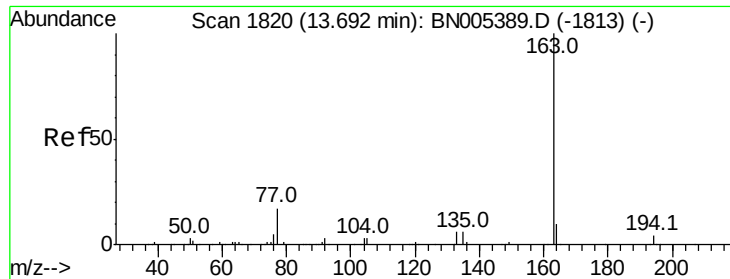
1000000

500000

0

Time-->





#44

Dimethylphthalate

Concen: 6.451 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

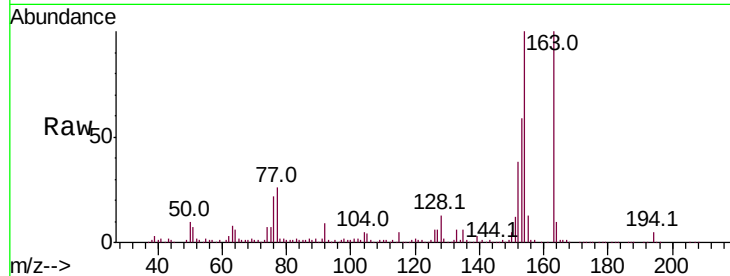
Tot Ion:163 Resp: 510227

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

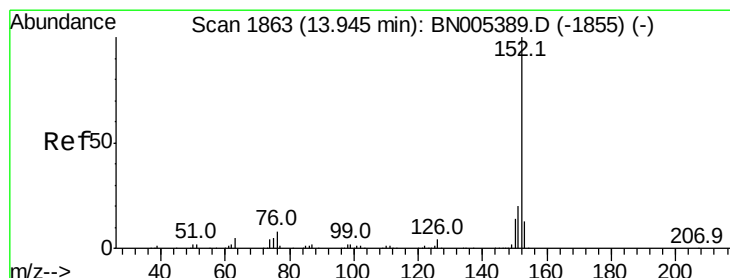
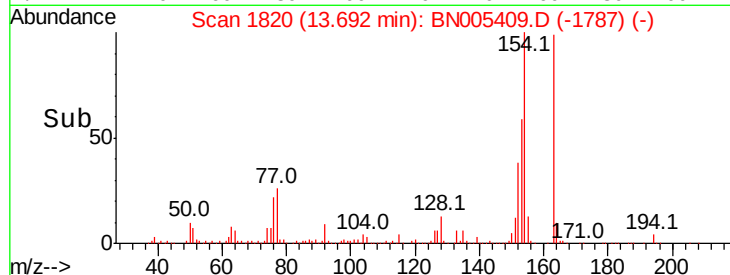
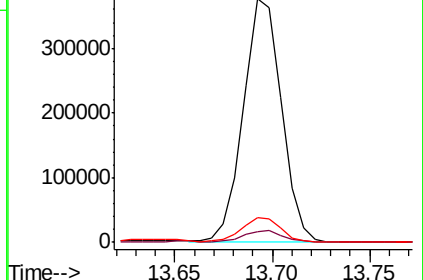
164 10.1 8.1 12.1



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: 54.054 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

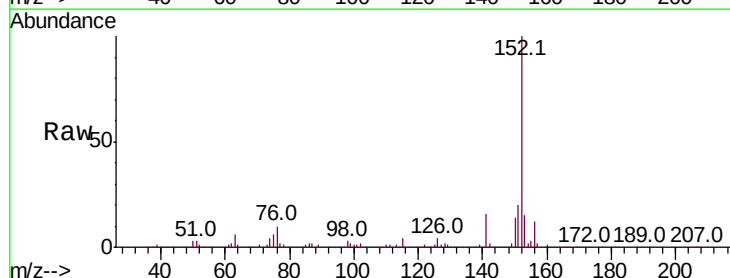
Tgt Ion:152 Resp: 5178715

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

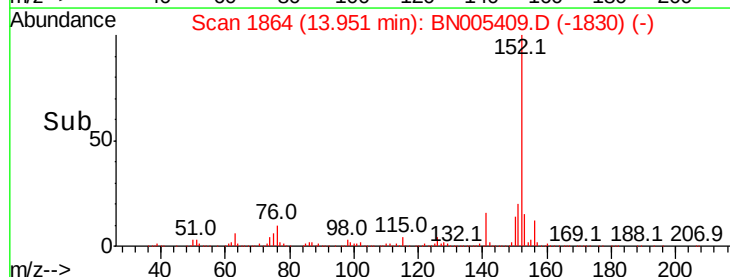
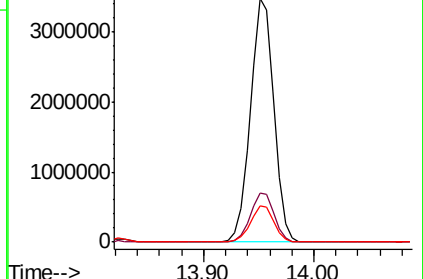
153 15.1 9.8 14.8#

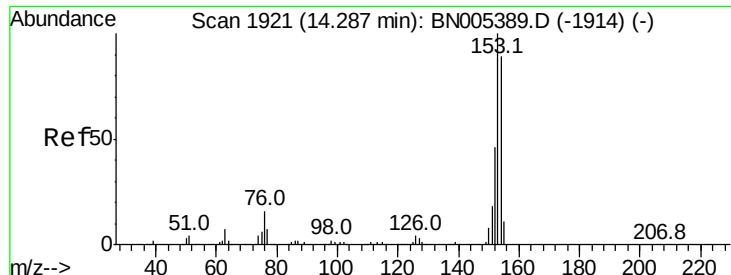


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 9.026 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

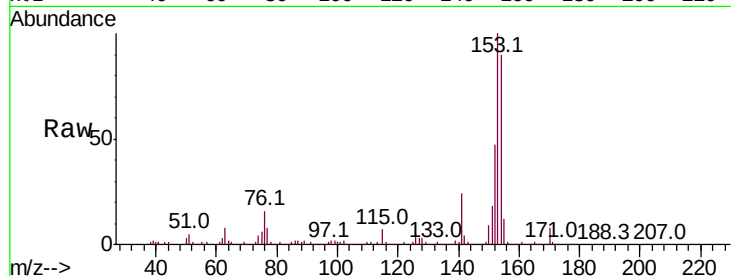
Tot Ion:153 Resp: 590325

Ion Ratio Lower Upper

153 100

152 46.7 37.4 56.0

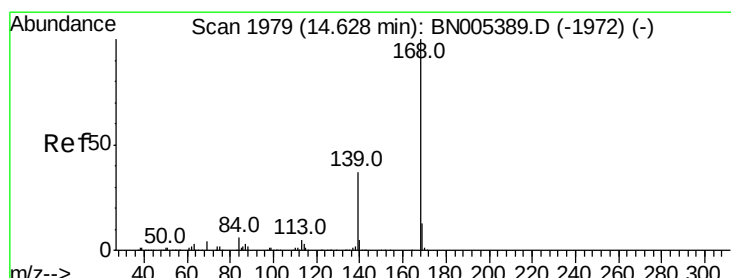
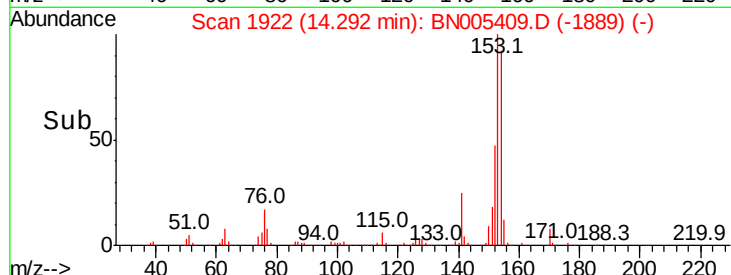
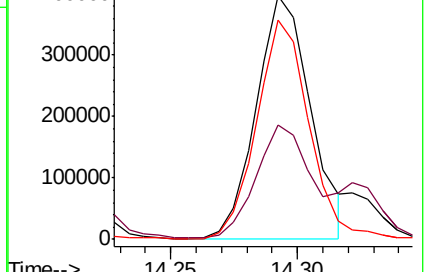
154 90.0 71.2 106.8



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: 6.591 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005409.D

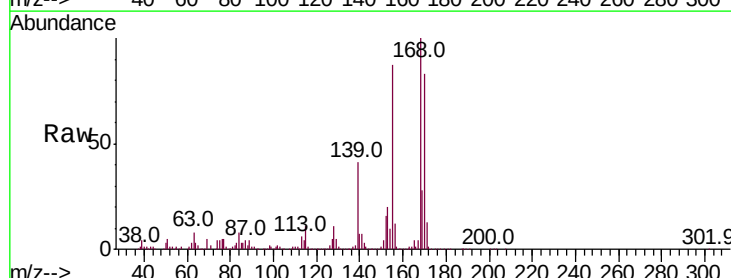
Acq: 01 May 2019 14:12

Tgt Ion:168 Resp: 620639

Ion Ratio Lower Upper

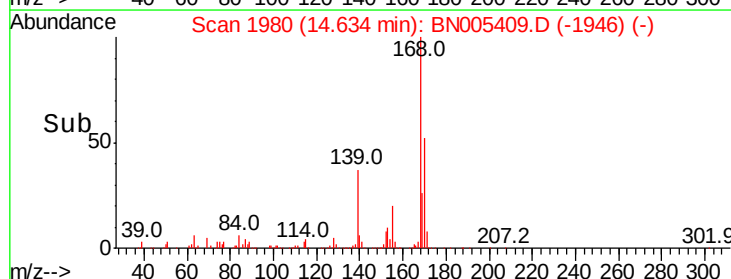
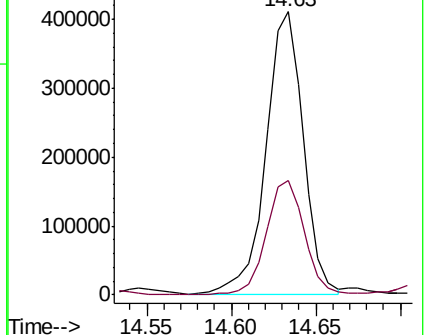
168 100

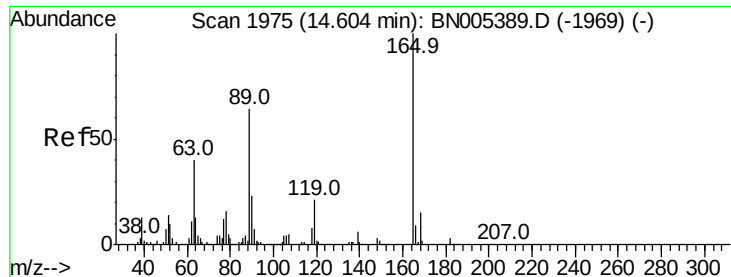
139 40.5 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 2.004 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

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Acq: 01 May 2019 14:12

Instrument :

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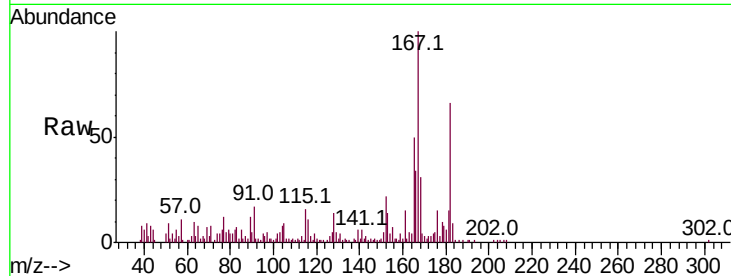
Tot Ion:165 Resp: 39459

Ion Ratio Lower Upper

165 100

63 19.4 38.9 58.3#

182 131.8 2.6 3.8#

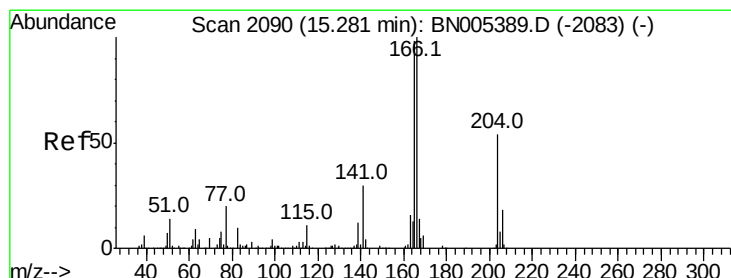
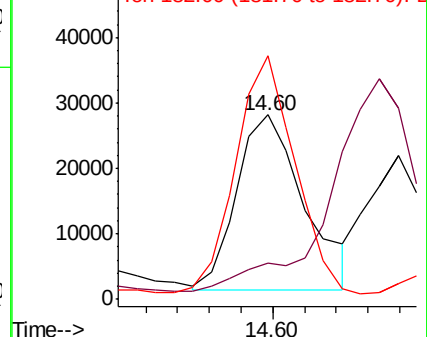
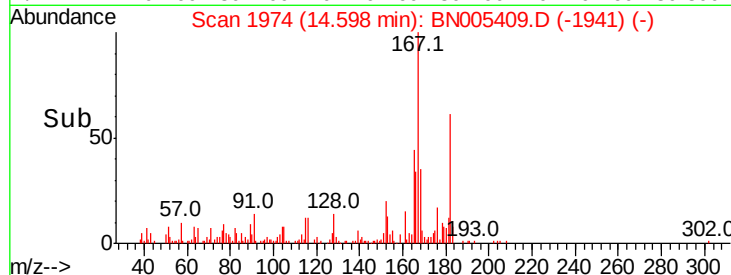


Abundance

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: 44.864 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

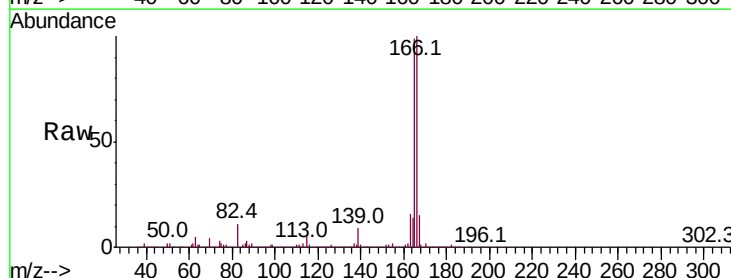
Tgt Ion:166 Resp: 3296718

Ion Ratio Lower Upper

166 100

165 98.6 80.0 120.0

167 14.9 10.7 16.1

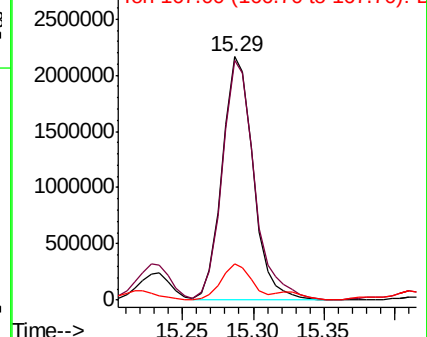
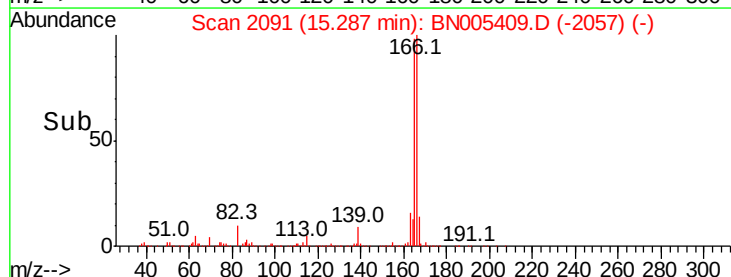


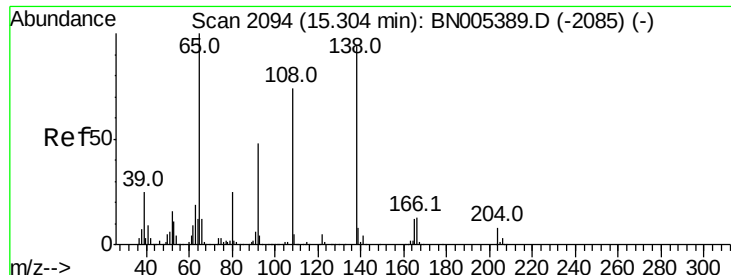
Abundance

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: 2.409 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.02 min

Lab File: BN005409.D

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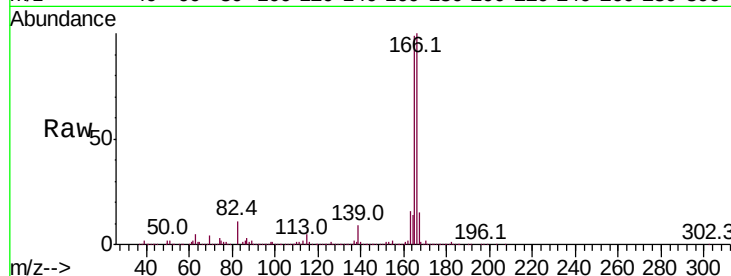
Tot Ion:138 Resp: 38123

Ion Ratio Lower Upper

138 100

92 2.1 45.3 67.9#

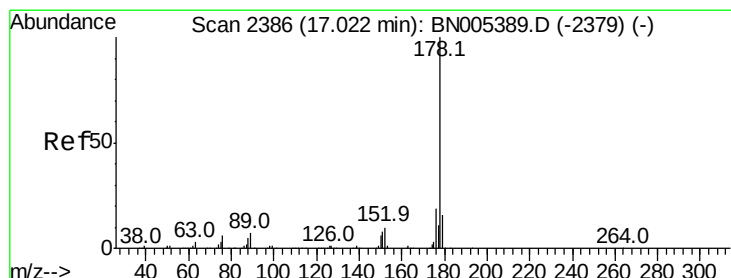
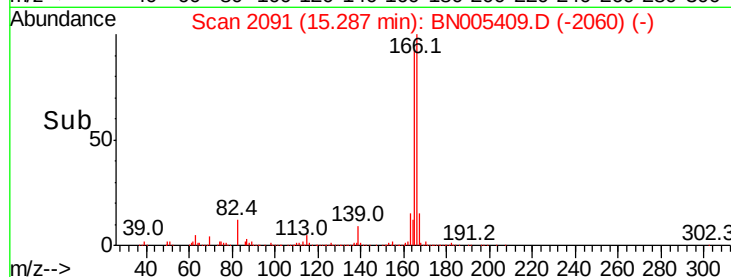
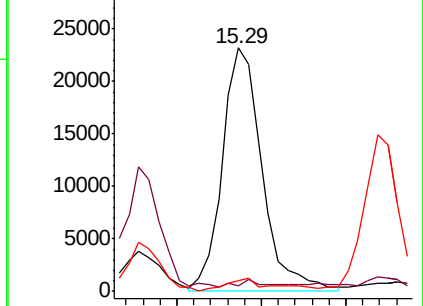
108 4.1 73.2 109.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNA

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 129.768 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

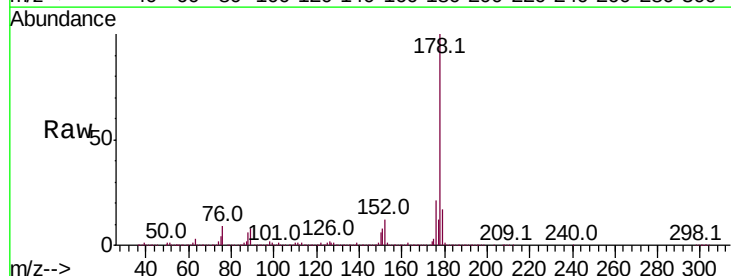
Tgt Ion:178 Resp:14614566

Ion Ratio Lower Upper

178 100

179 17.3 12.2 18.4

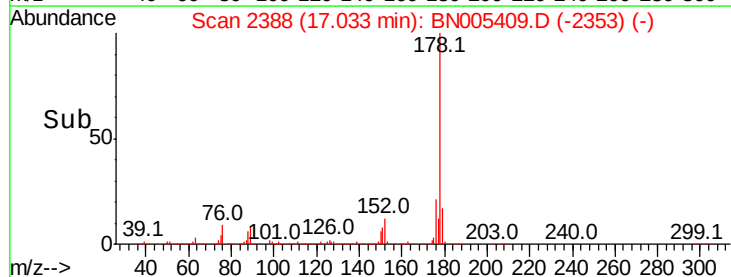
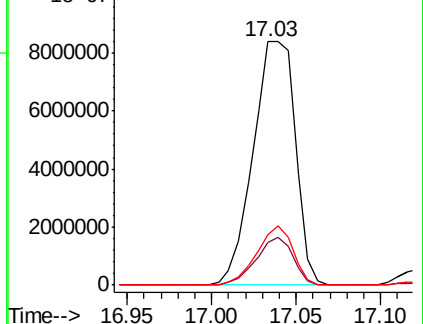
176 20.8 15.1 22.7

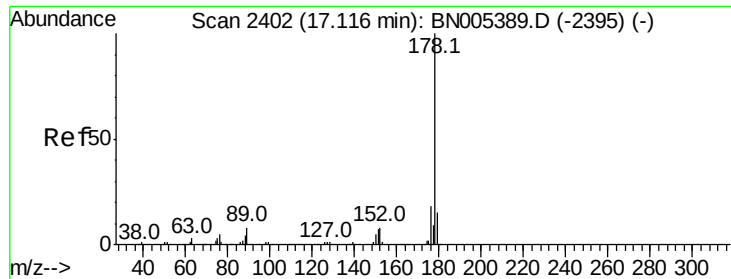


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

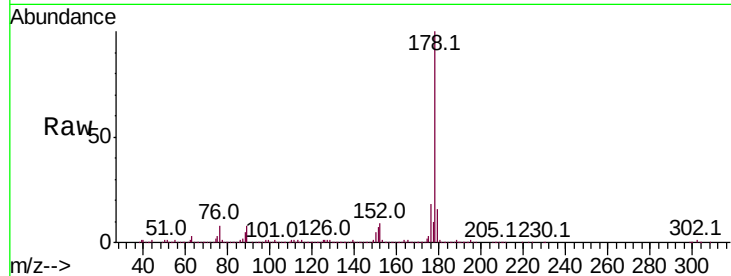




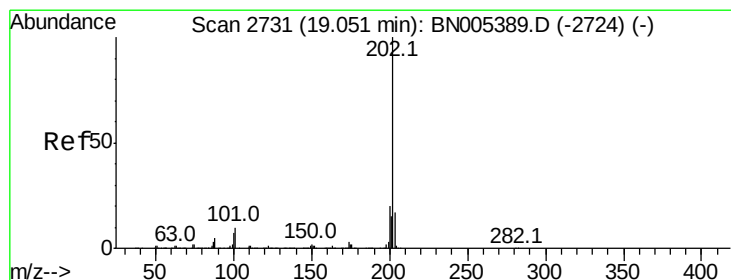
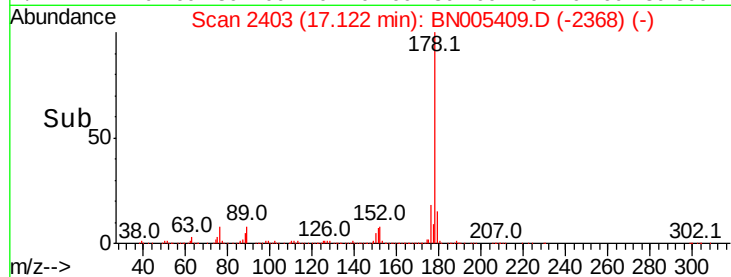
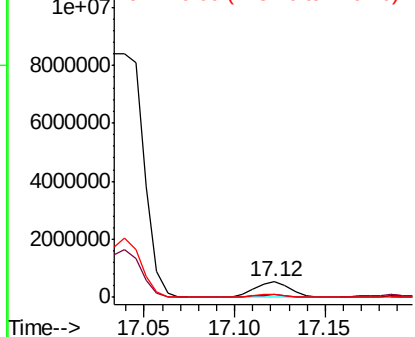
#71
 Anthracene
 Concen: 6.264 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Instrument :
 BNA_N
 ClientSampled :
 GAHQ2ME

Tot Ion:178 Resp: 718604
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 18.3 15.1 22.7

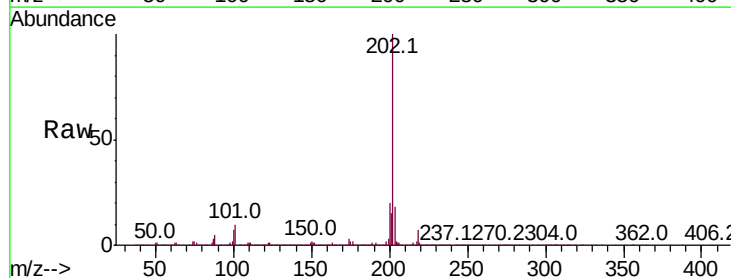


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

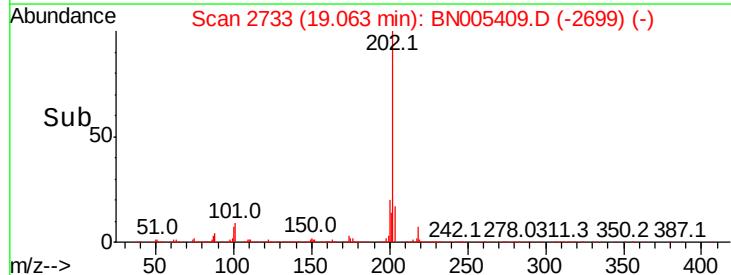
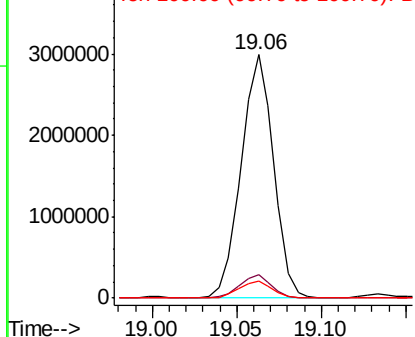


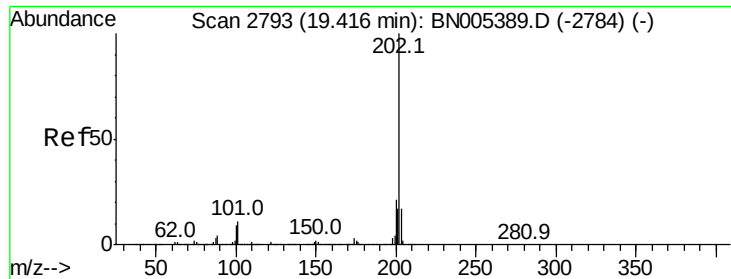
#76
 Fluoranthene
 Concen: 31.862 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Tgt Ion:202 Resp: 3980140
 Ion Ratio Lower Upper
 202 100
 101 9.5 8.6 12.8
 100 6.8 6.3 9.5



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





#79

Pvrene

Concen: 55.411 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampled :

GAHQ2ME

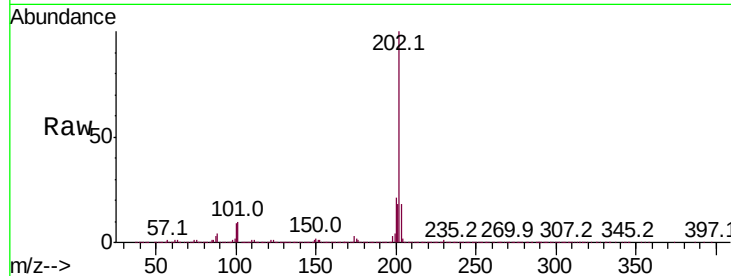
Tot Ion:202 Resp: 5536208

Ion Ratio Lower Upper

202 100

101 10.4 10.3 15.5

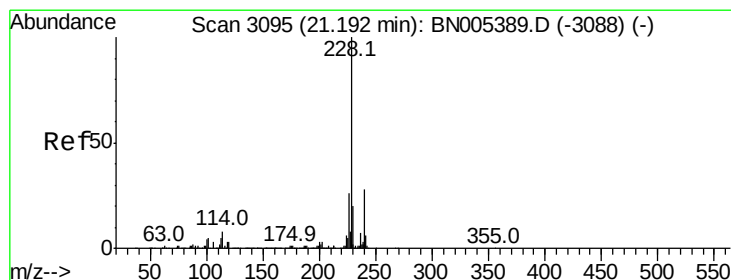
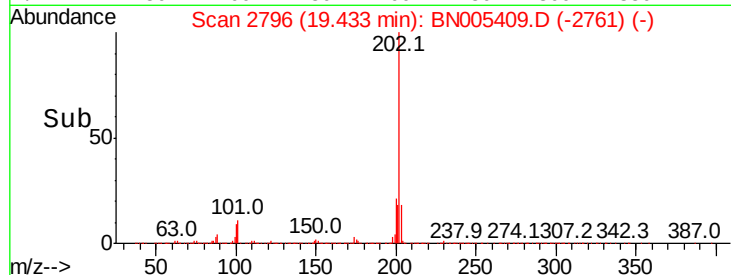
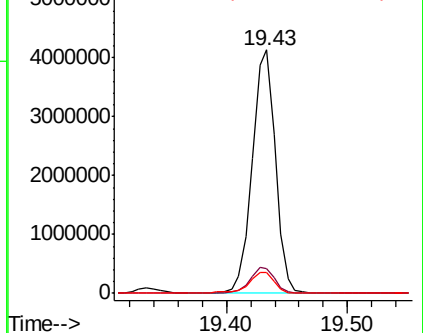
100 8.6 7.9 11.9



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: 14.741 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.05 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

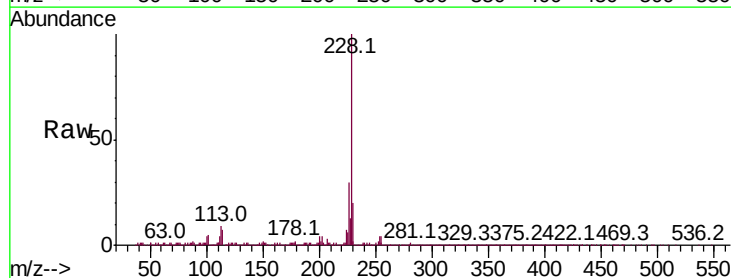
Tgt Ion:228 Resp: 1422974

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.6

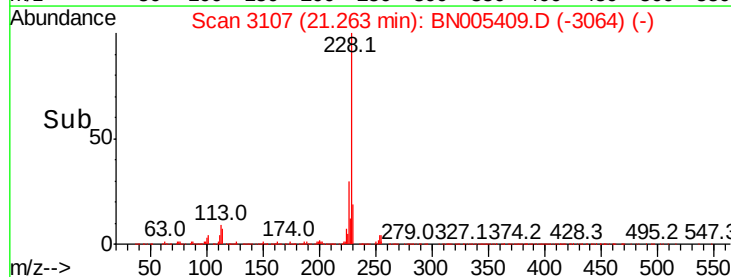
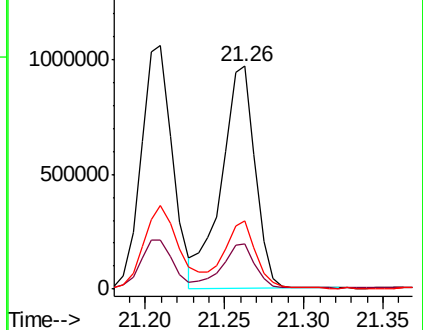
226 30.5 21.4 32.2

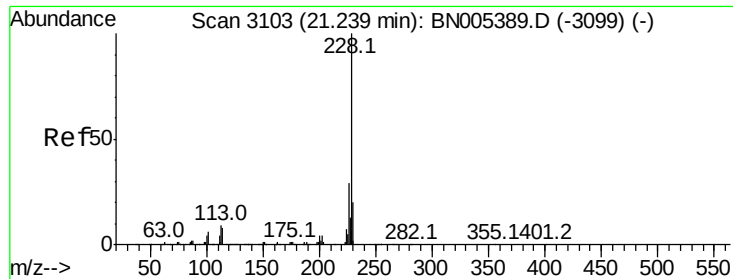


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 15.882 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampled :

GAHQ2ME

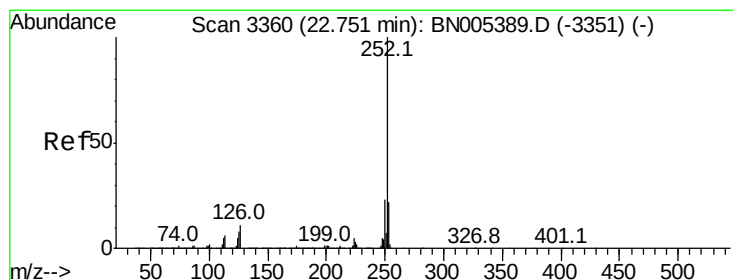
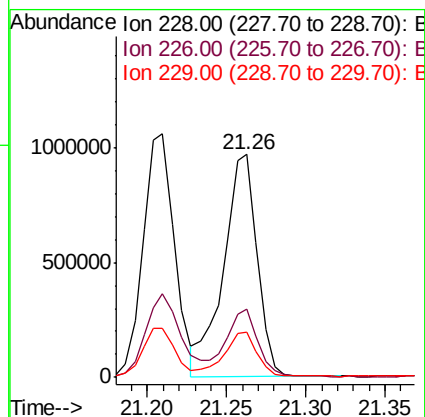
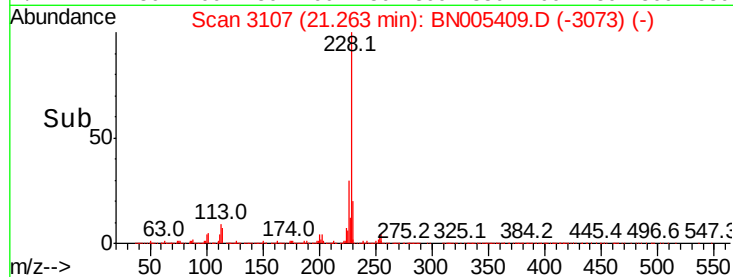
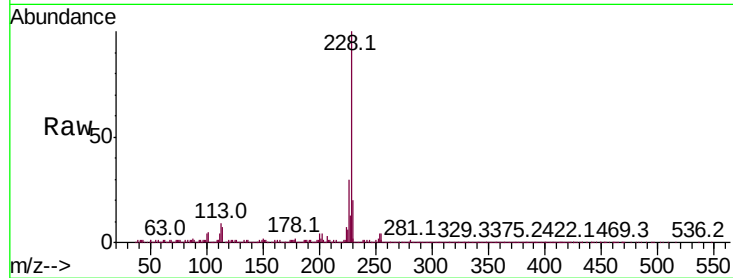
Tot Ion:228 Resp: 1422941

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.2	15.4	23.0

228 100

226 30.5 24.0 36.0

229 20.2 15.4 23.0



#87

Benzo(b)fluoranthene

Concen: 10.277 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

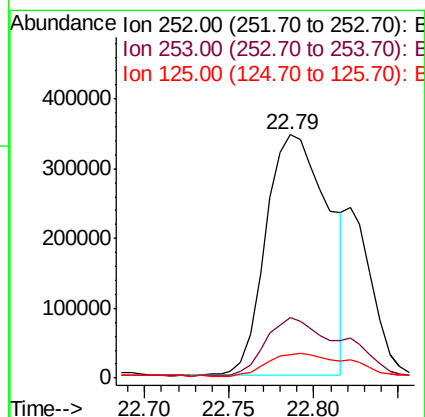
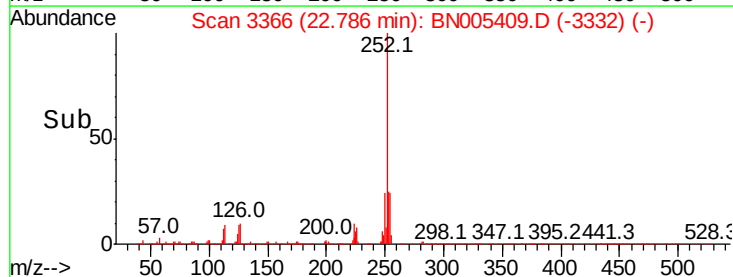
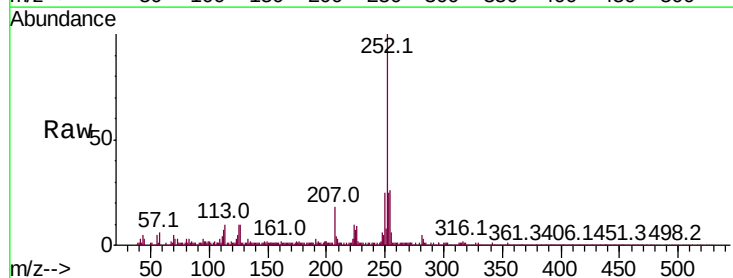
Tgt Ion:252 Resp: 894566

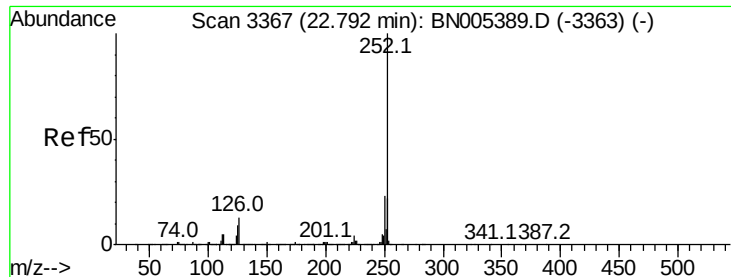
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	9.6	8.4	12.6

252 100

253 25.1 17.7 26.5

125 9.6 8.4 12.6





#88

Benzo(k)fluoranthene

Concen: 10.761 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.04 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

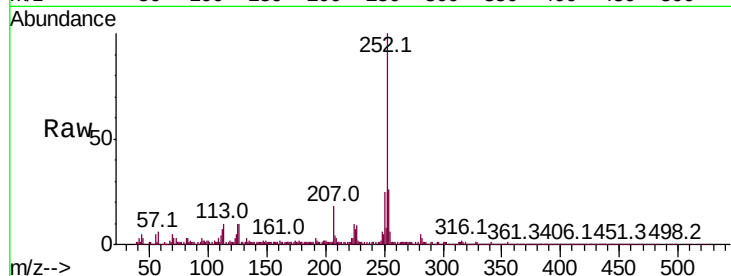
Tot Ion:252 Resp: 894566

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

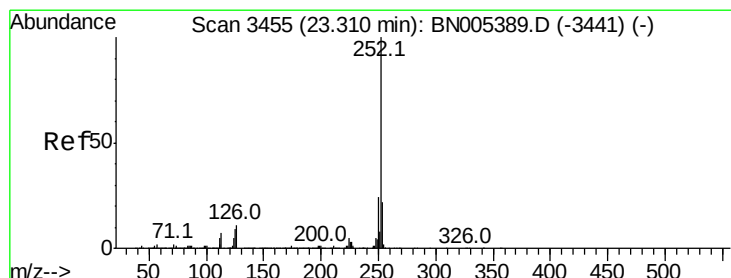
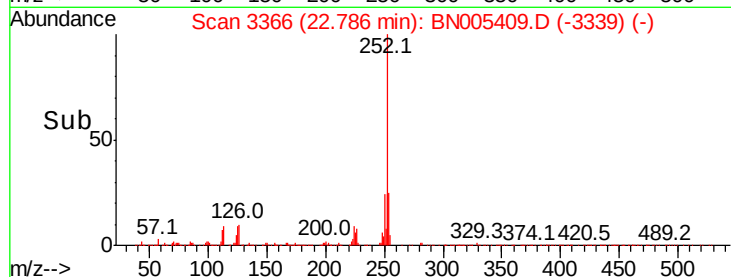
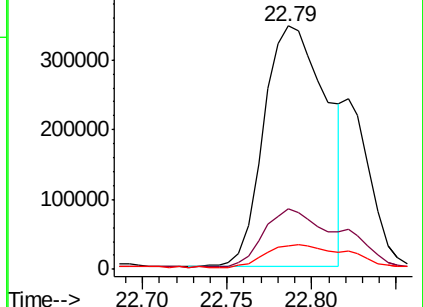
125 9.6 7.5 11.3



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: 3.626 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

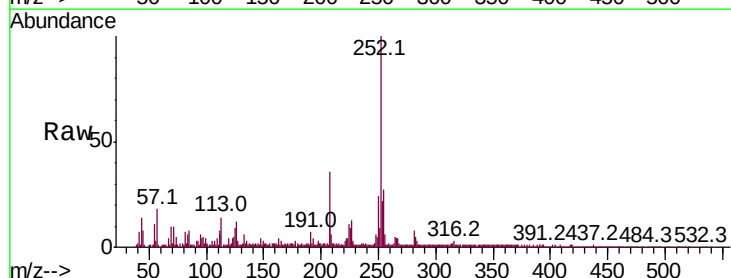
Tgt Ion:252 Resp: 296674

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

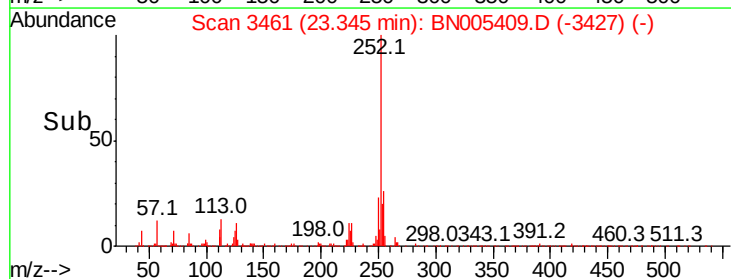
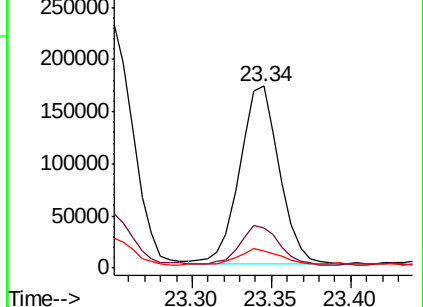
125 9.3 8.6 13.0

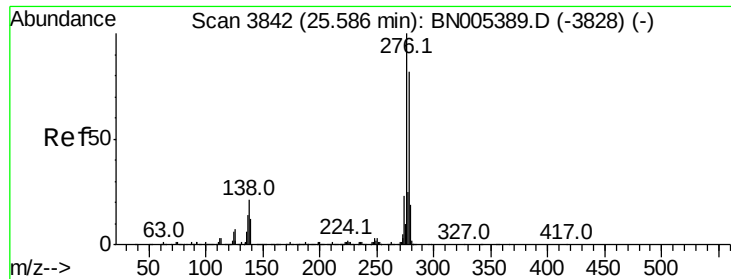


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



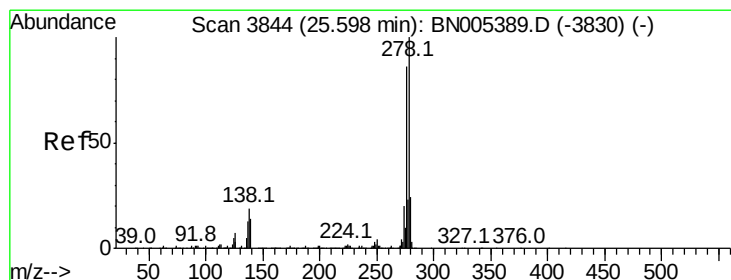
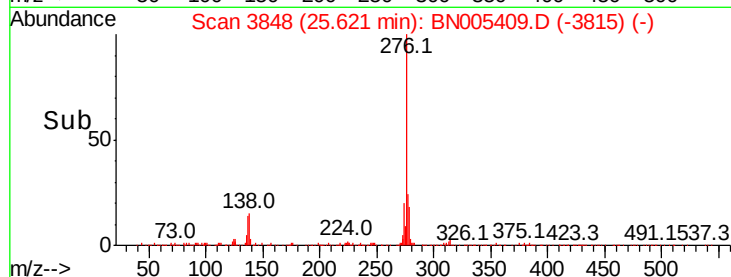
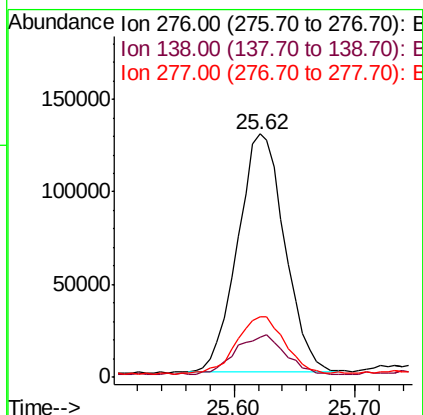
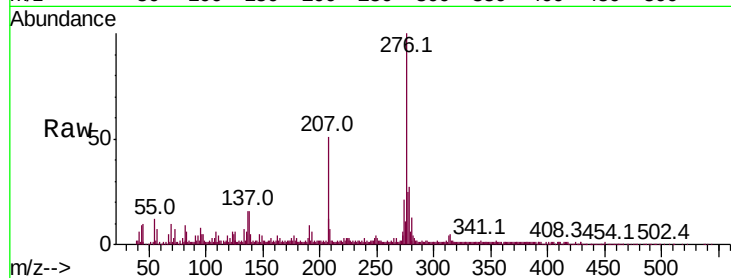


#91

Indeno(1,2,3-cd)pyrene
Concen: 3.851 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

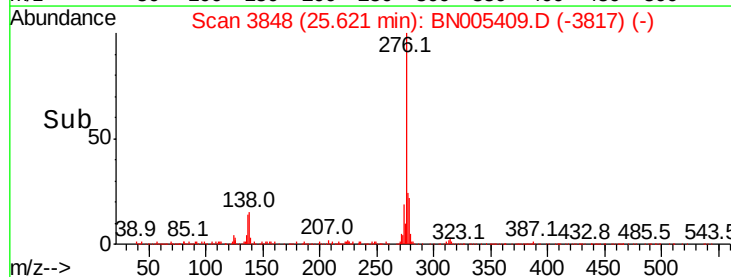
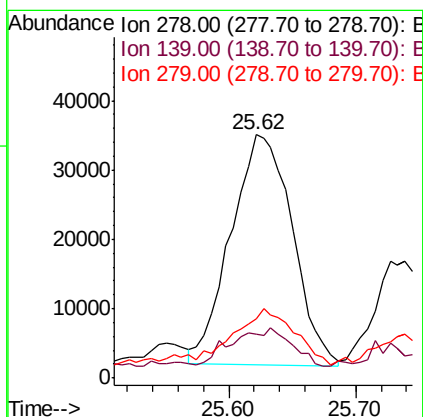
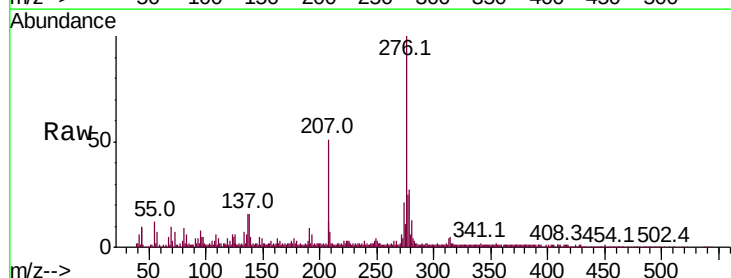
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.9	26.9#
277	24.8	19.7	29.5

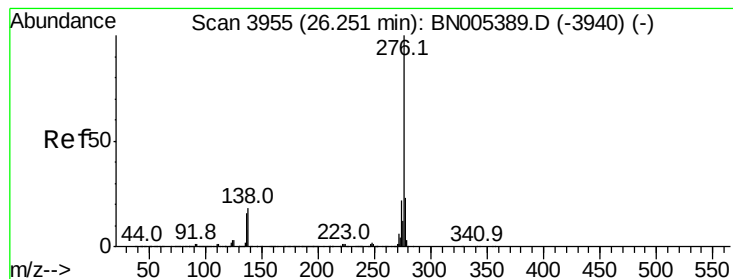


#92

Dibenzo(a,h)anthracene
Concen: 1.454 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.1	19.7
279	24.2	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 3.445 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

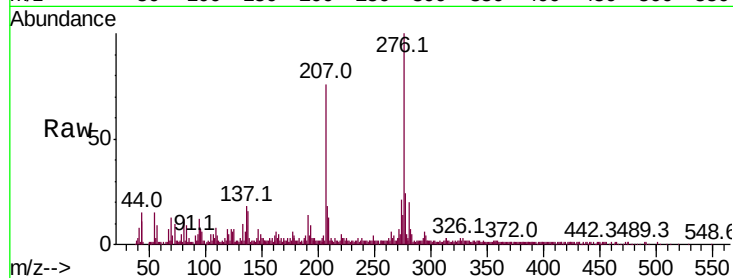
Tot Ion:276 Resp: 257654

Ion Ratio Lower Upper

276 100

138 19.6 16.7 25.1

277 24.1 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

