

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005476.D
 Acq On : 04 May 2019 05:52
 Operator : JU/SJ
 Sample : K2634-03MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJB2MSD

Quant Time: May 06 01:12:24 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	298992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1279254	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	768716	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1644060	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1215226	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1249302	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22077	3.57	ng/uL	0.00
5) Phenol-d5	6.78	99	485149	20.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	292360	19.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	403172	22.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	404397	22.03	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	219814	27.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	251367	31.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	425797	23.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	477965	25.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1377550	24.69	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1616684	23.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	181113	20.56	ng/ul	0.00
57) Fluorene-d10	15.22	176	1122802	23.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	165450	22.38	ng/ul	0.00
70) Anthracene-d10	17.08	188	1658944	24.07	ng/ul	0.00
78) Pyrene-d10	19.39	212	1606980	25.85	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	1246305	22.83	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.80	94	519730	21.517	ng/ul 99
10) 2-Chlorophenol	7.16	128	414617	22.316	ng/ul 93
15) N-Nitroso-di-n-propylamine	8.39	70	356776	22.703	ng/ul 90
33) 4-Chloro-3-methylphenol	11.65	107	447138	21.991	ng/ul 96
44) Dimethylphthalate	13.69	163	355296	6.390	ng/ul 99
47) Acenaphthylene	13.94	152	523925	7.779	ng/ul 99
49) Acenaphthene	14.29	153	1074731	23.373	ng/ul 98
52) 4-Nitrophenol	14.46	109	163507	20.444	ng/ul 95
54) 2,4-Dinitrotoluene	14.61	165	406387	29.362	ng/ul# 85
68) Pentachlorophenol	16.64	266	234581	22.716	ng/ul 96
69) Phenanthrene	17.02	178	124119	1.550	ng/ul 97
71) Anthracene	17.11	178	179102	2.196	ng/ul 99
76) Fluoranthene	19.06	202	1572815	17.710	ng/ul 95
79) Pyrene	19.43	202	5117047	65.398	ng/ul# 94
82) Benzo(a)anthracene	21.25	228	1130671	14.956	ng/ul 95
84) Chrysene	21.25	228	1141204	16.265	ng/ul 98
87) Benzo(b)fluoranthene	22.77	252	899603	12.810	ng/ul 98
88) Benzo(k)fluoranthene	22.77	252	899603	13.413	ng/ul 98
90) Benzo(a)pyrene	23.33	252	851598	12.901	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.60	276	361611	4.955	ng/ul 97
92) Dibenzo(a,h)anthracene	25.61	278	127835	2.064	ng/ul 99
93) Benzo(g,h,i)perylene	26.27	276	222031	3.679	ng/ul 95

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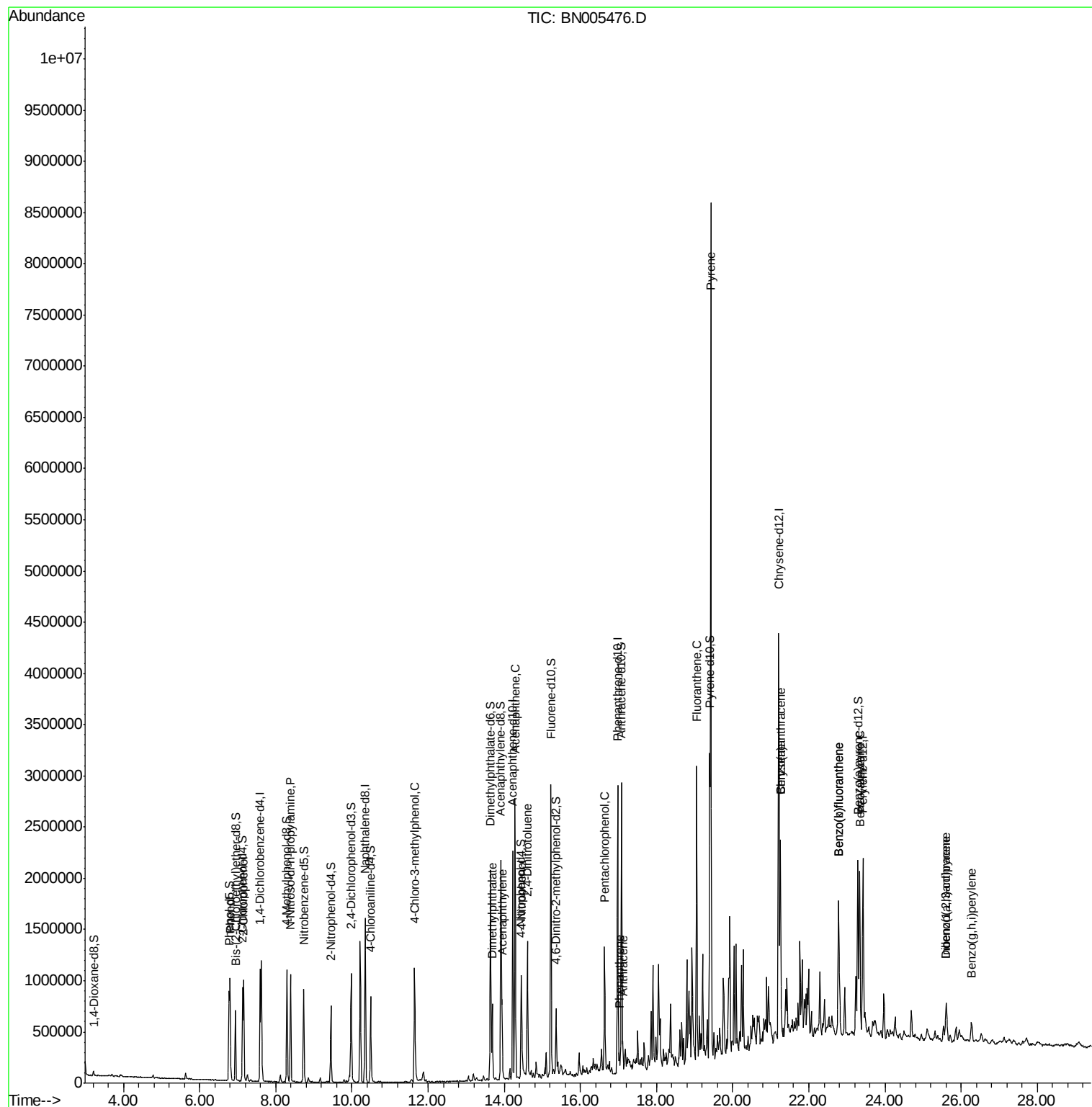
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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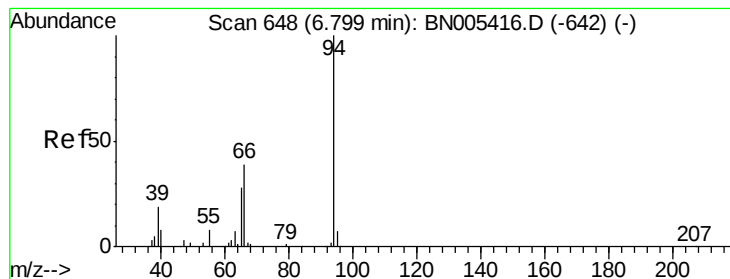
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 21.517 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

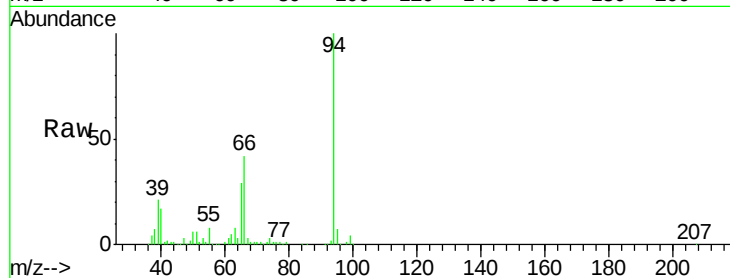
Tgt Ion: 94 Resp: 519730

Ion Ratio Lower Upper

94 100

65 29.3 24.2 36.4

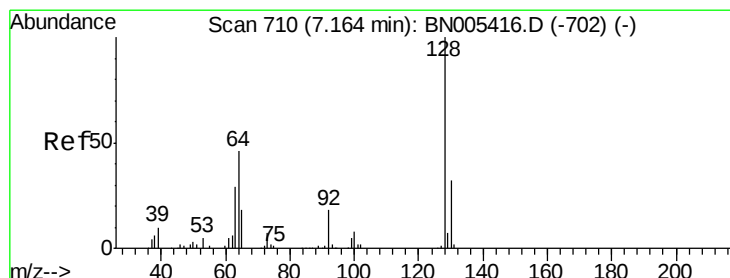
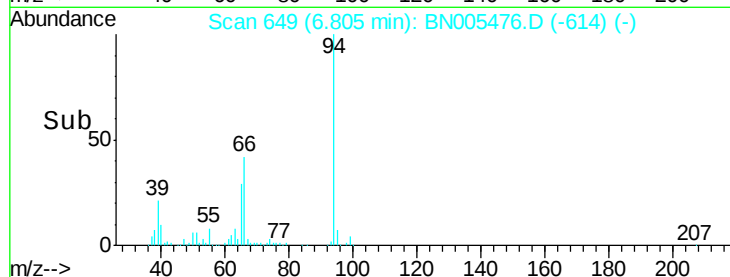
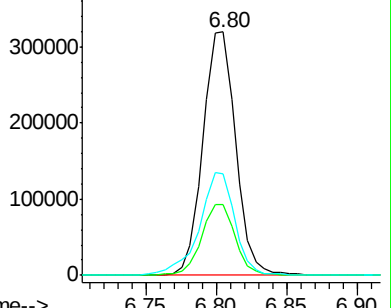
66 41.8 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BN005416.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BN005416.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BN005416.D (-642) (-)



#10

2-Chlorophenol

Concen: 22.316 ng/ul

RT: 7.16 min Scan# 709

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

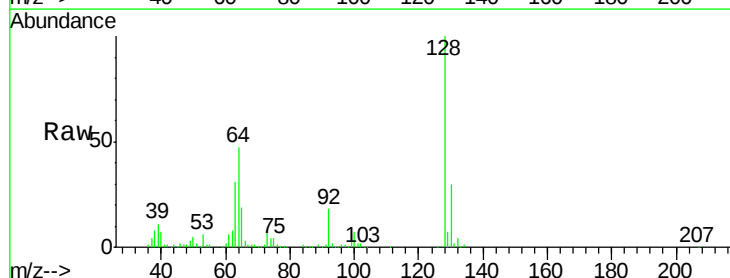
Tgt Ion: 128 Resp: 414617

Ion Ratio Lower Upper

128 100

64 47.2 42.3 63.5

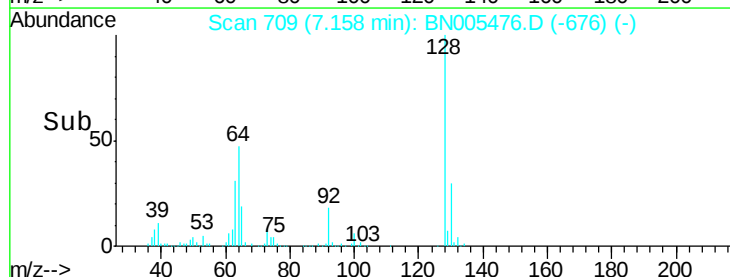
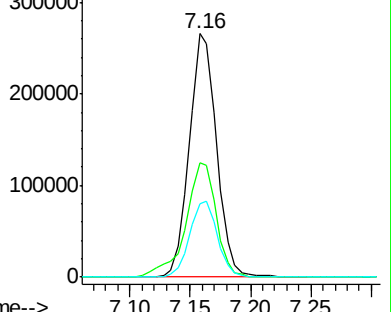
130 30.4 26.5 39.7

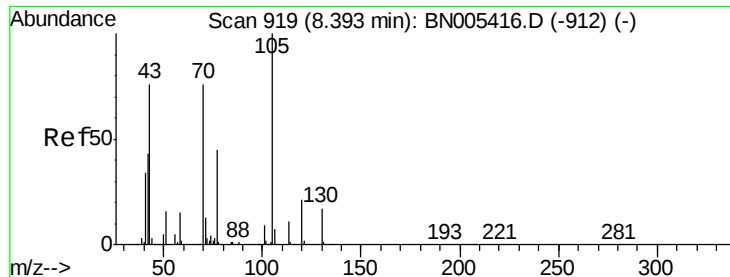


Abundance Ion 128.00 (127.70 to 128.70): BN005416.D (-702) (-)

Ion 64.00 (63.70 to 64.70): BN005416.D (-702) (-)

Ion 130.00 (129.70 to 130.70): BN005416.D (-702) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 22.703 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

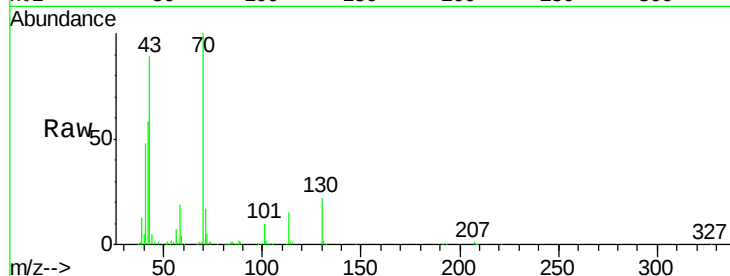
BNA_N

ClientSampleId :

GAJB2MSD

Tgt Ion: 70 Resp: 356776

Ion	Ratio	Lower	Upper
70	100		
42	57.6	53.8	80.8
101	10.5	7.7	11.5
130	22.2	15.0	22.4

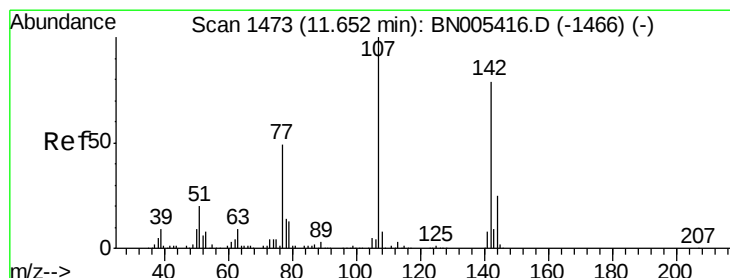
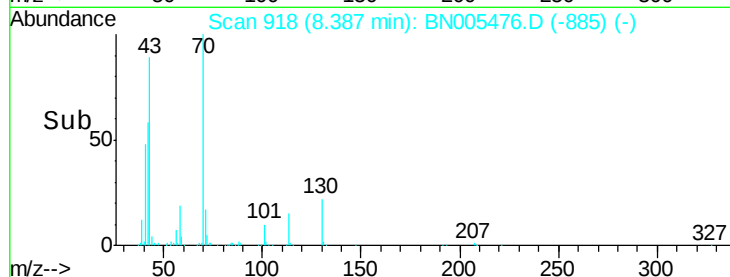


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 21.991 ng/ul

RT: 11.65 min Scan# 1472

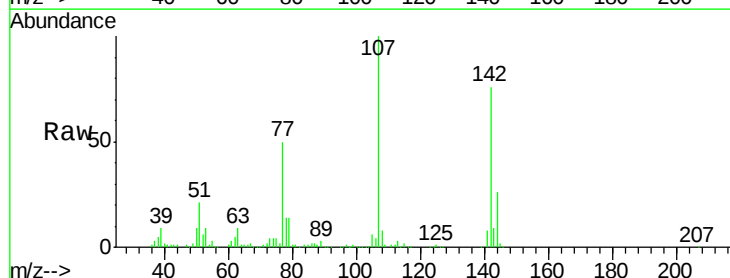
Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Tgt Ion: 107 Resp: 447138

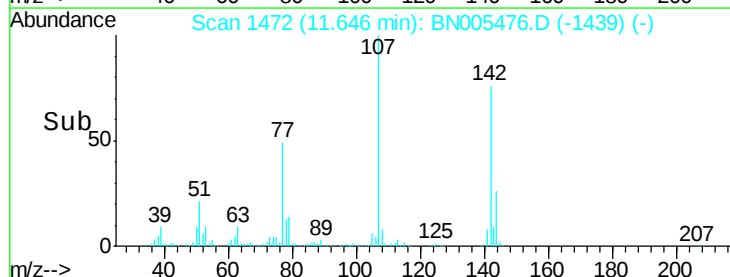
Ion	Ratio	Lower	Upper
107	100		
144	25.8	19.4	29.0
142	75.9	57.7	86.5

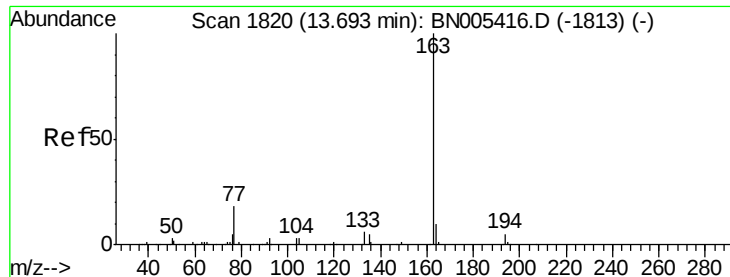


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

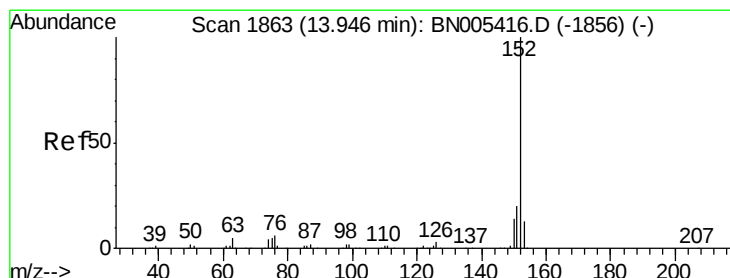
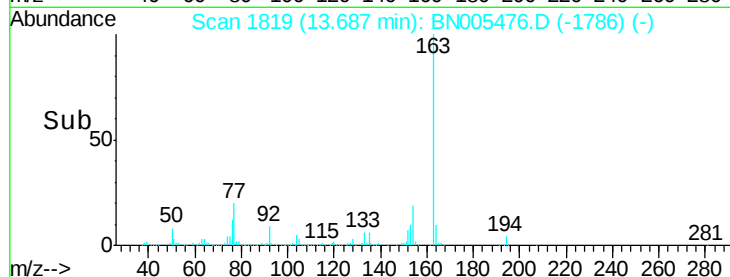
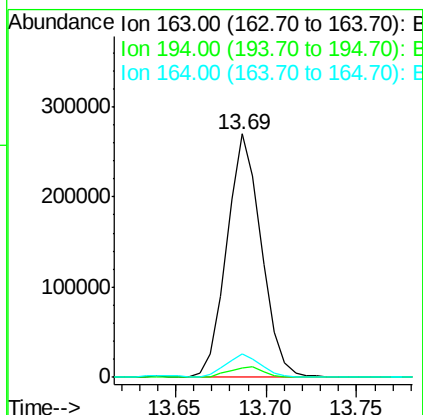
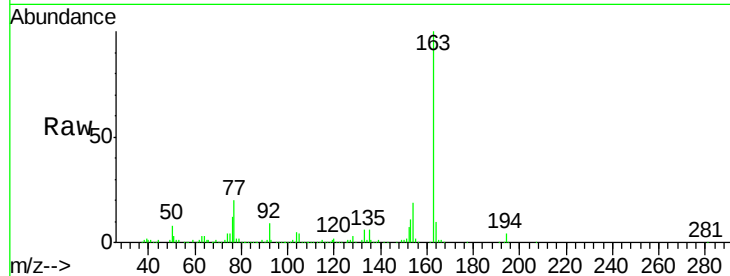




#44
Dimethylphthalate
Concen: 6.390 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005476.D
Acq: 04 May 2019 05:52

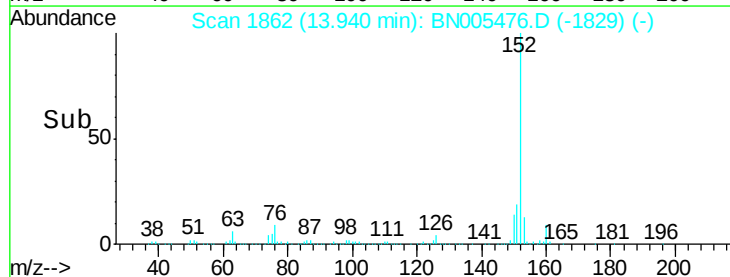
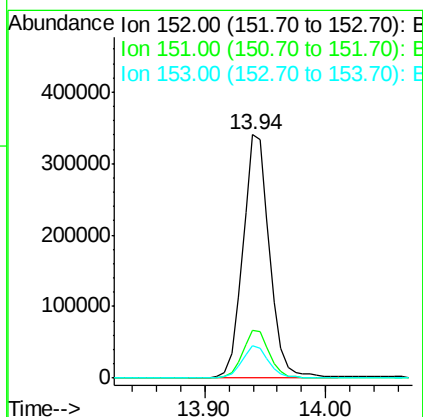
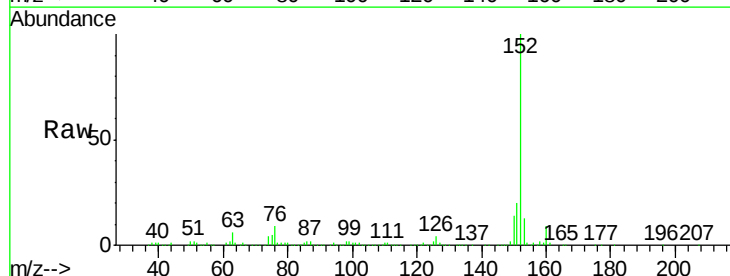
Instrument :
BNA_N
ClientSampleId :
GAJB2MSD

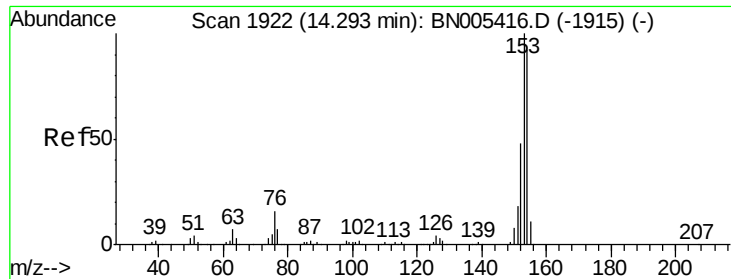
Tgt Ion:163 Resp: 355296
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.6 8.1 12.1



#47
Acenaphthylene
Concen: 7.779 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BN005476.D
Acq: 04 May 2019 05:52

Tgt Ion:152 Resp: 523925
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.4 9.8 14.8





#49

Acenaphthene

Concen: 23.373 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

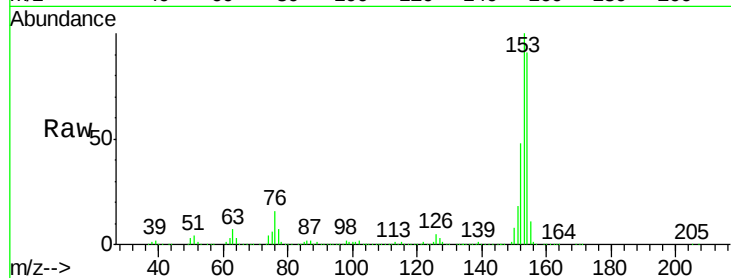
Tgt Ion:153 Resp: 1074731

Ion Ratio Lower Upper

153 100

152 47.9 37.4 56.0

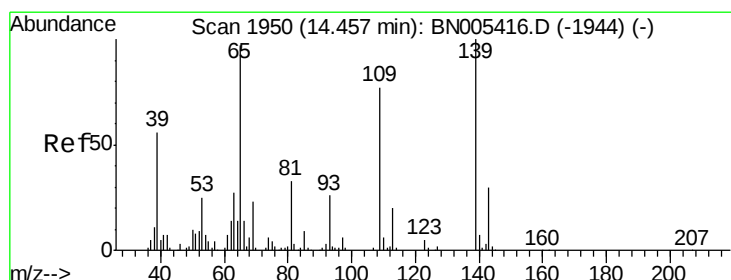
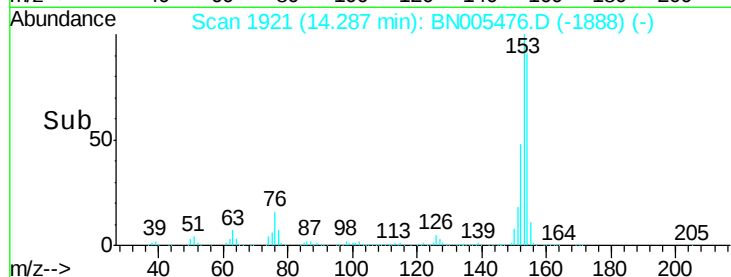
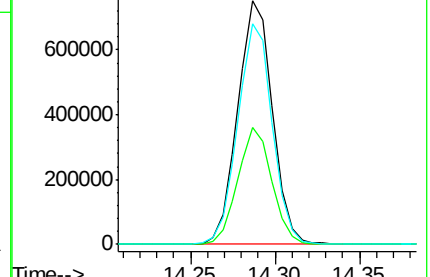
154 90.6 71.2 106.8



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



#52

4-Nitrophenol

Concen: 20.444 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

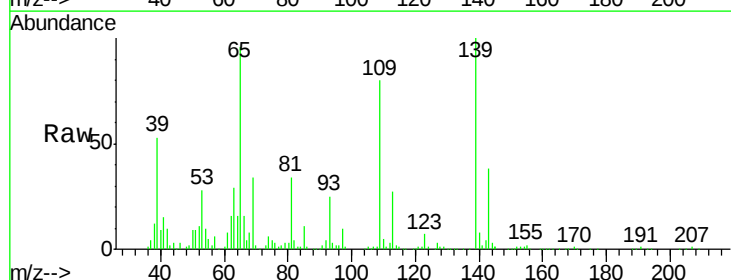
Tgt Ion:109 Resp: 163507

Ion Ratio Lower Upper

109 100

139 124.4 92.3 138.5

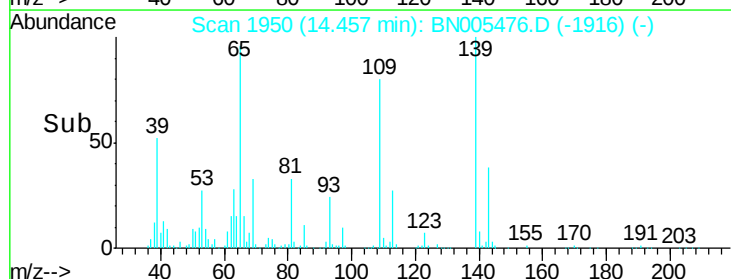
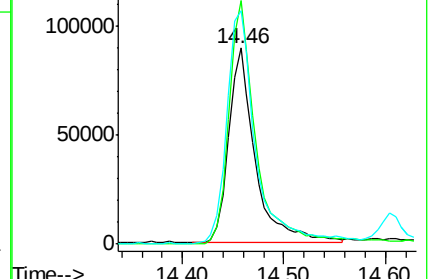
65 119.5 97.5 146.3

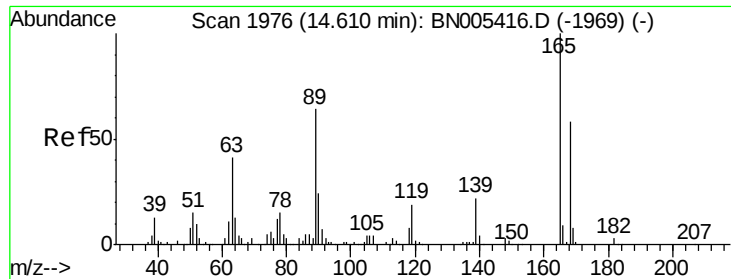


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC

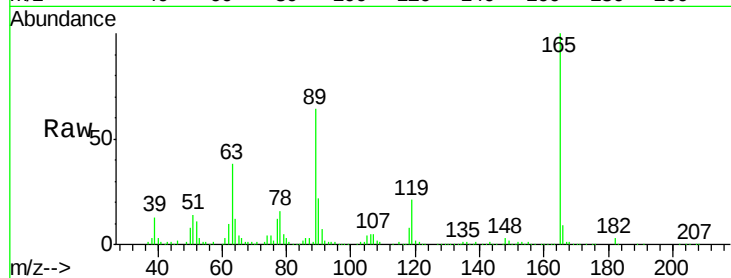




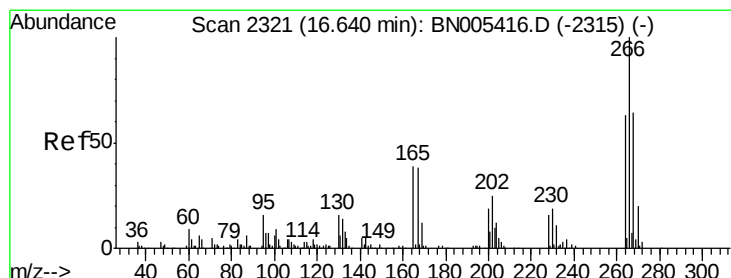
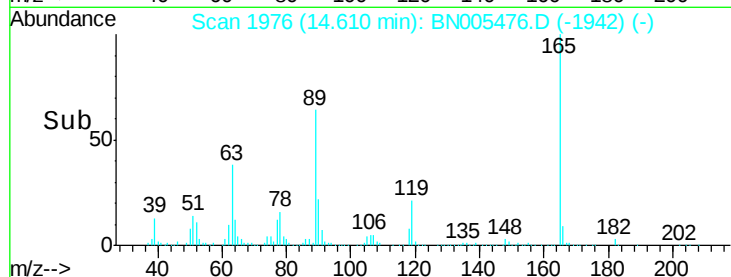
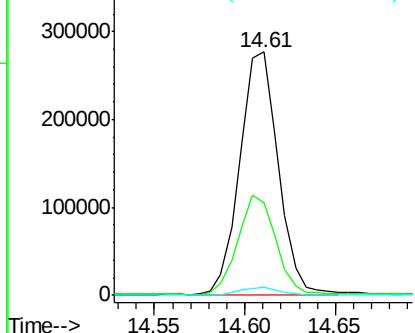
#54
 2,4-Dinitrotoluene
 Concen: 29.362 ng/ul
 RT: 14.61 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BN005476.D
 Acq: 04 May 2019 05:52

Instrument :
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Tgt Ion:165 Resp: 406387
 Ion Ratio Lower Upper
 165 100
 63 37.9 38.9 58.3#
 182 3.2 2.6 3.8

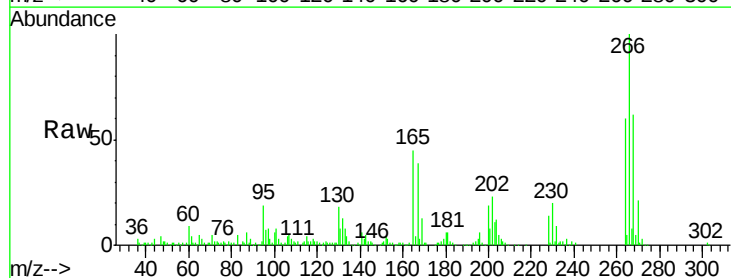


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 182.00 (181.70 to 182.70): E

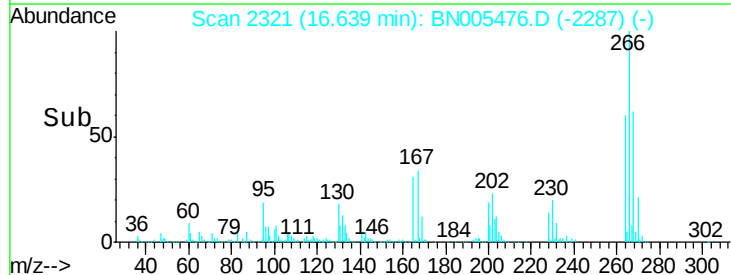
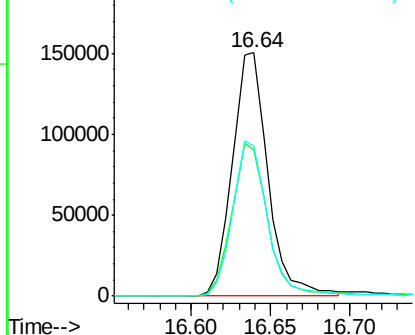


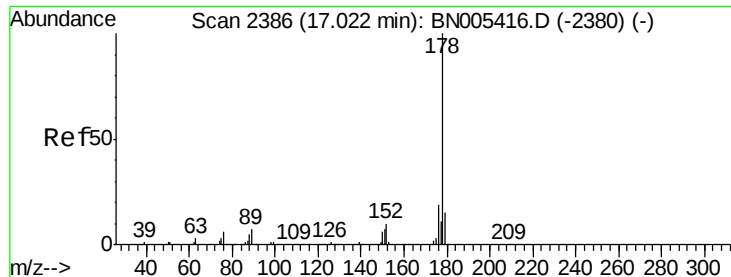
#68
 Pentachlorophenol
 Concen: 22.716 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BN005476.D
 Acq: 04 May 2019 05:52

Tgt Ion:266 Resp: 234581
 Ion Ratio Lower Upper
 266 100
 264 60.1 49.7 74.5
 268 61.9 52.4 78.6



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 1.550 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

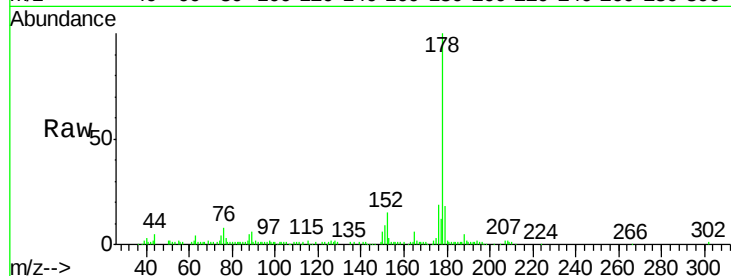
Tgt Ion:178 Resp: 124119

Ion Ratio Lower Upper

178 100

179 17.6 12.2 18.4

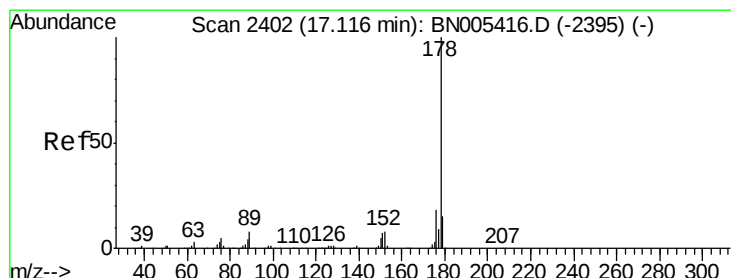
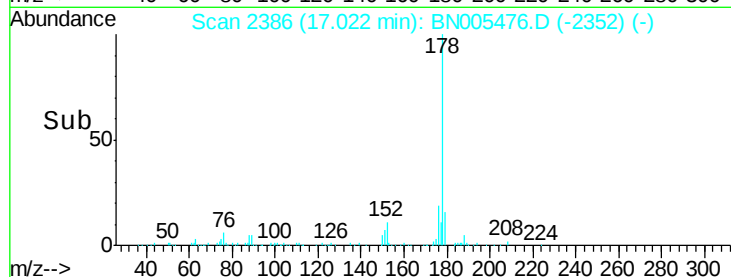
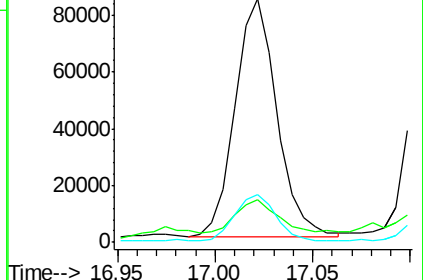
176 19.4 15.1 22.7



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: 2.196 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

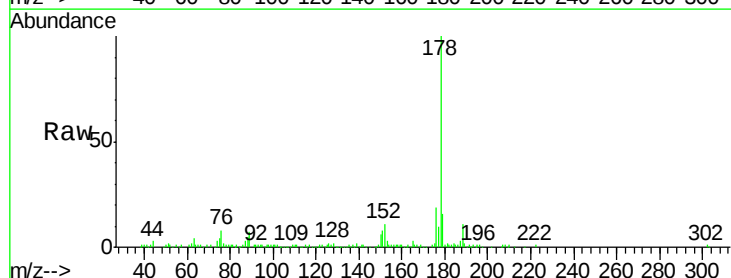
Tgt Ion:178 Resp: 179102

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

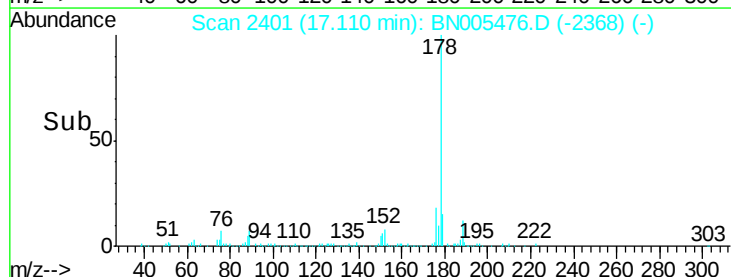
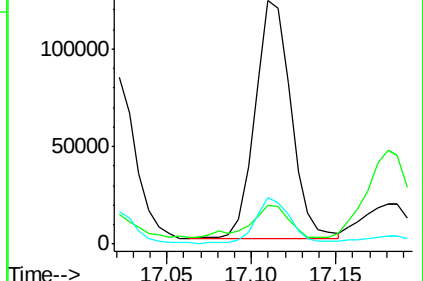
176 18.8 15.1 22.7

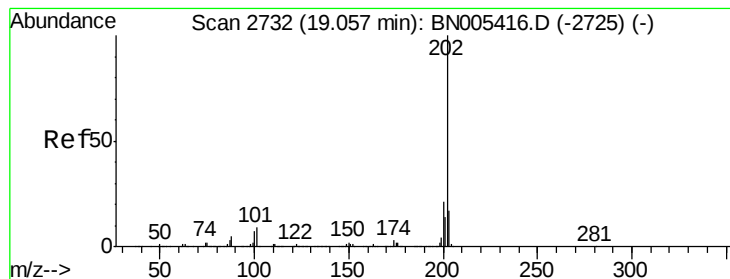


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 17.710 ng/u1

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

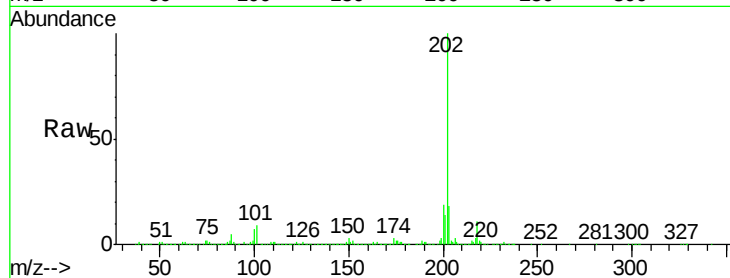
Tgt Ion:202 Resp: 1572815

Ion Ratio Lower Upper

202 100

101 8.6 8.6 12.8

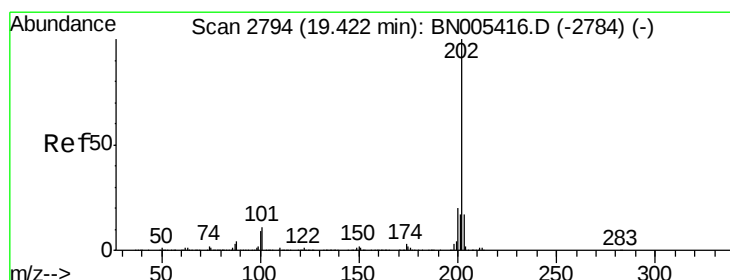
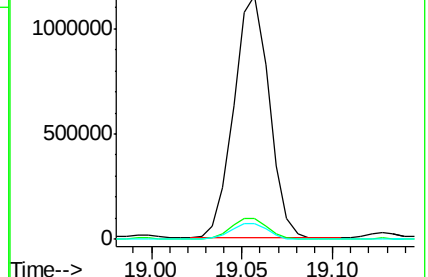
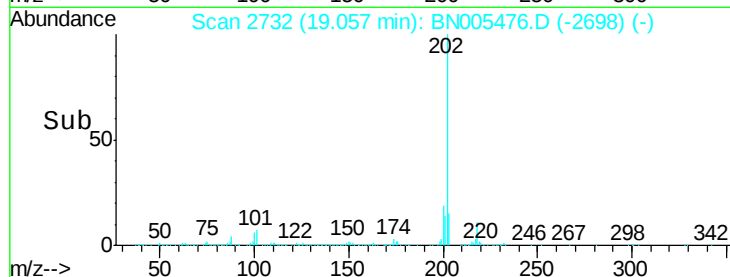
100 6.6 6.3 9.5



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

Pyrene

Concen: 65.398 ng/u1

RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

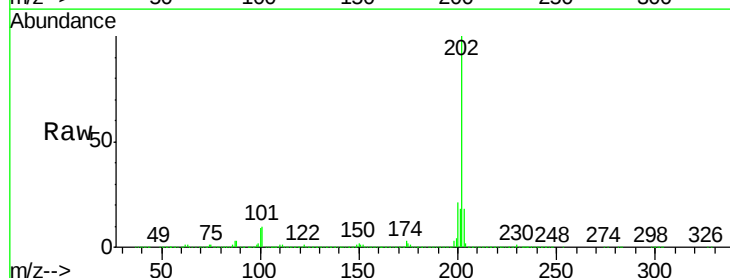
Tgt Ion:202 Resp: 5117047

Ion Ratio Lower Upper

202 100

101 10.1 10.3 15.5#

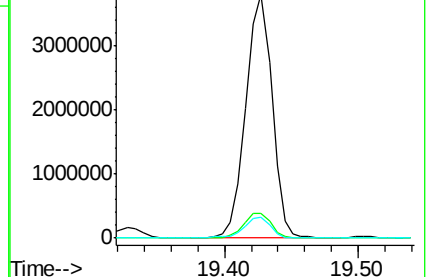
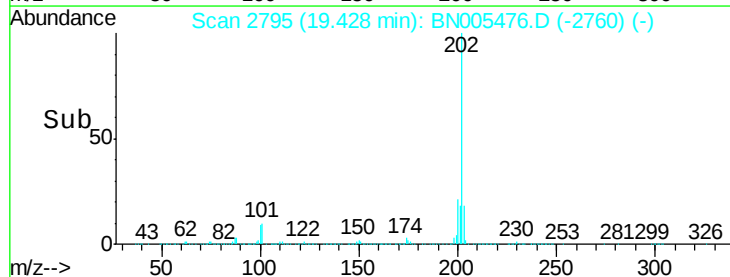
100 8.5 7.9 11.9

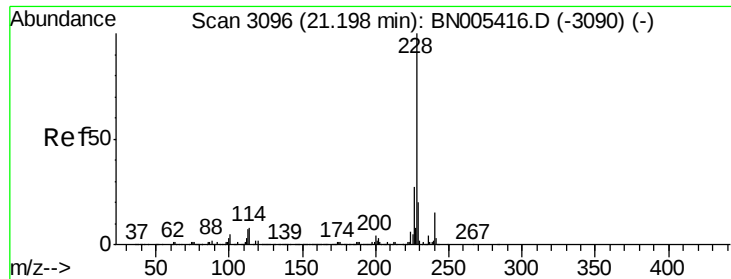


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

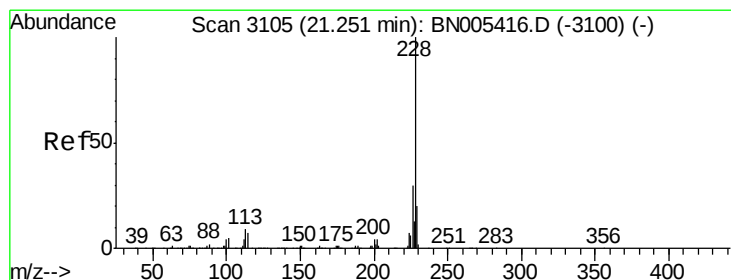
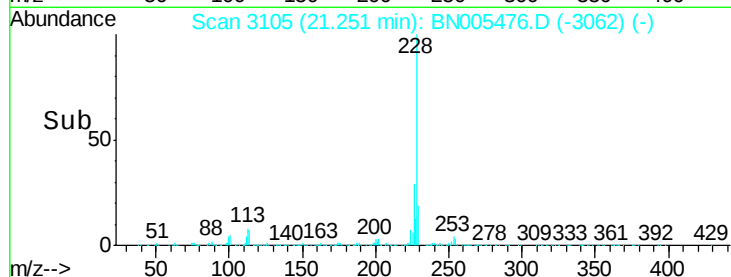
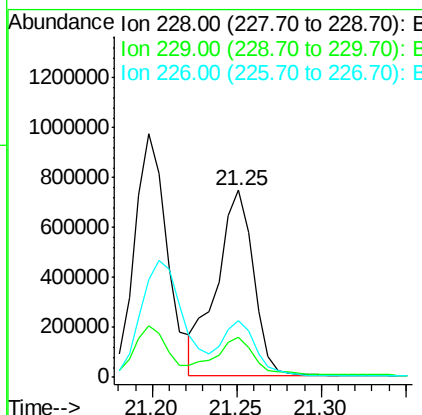
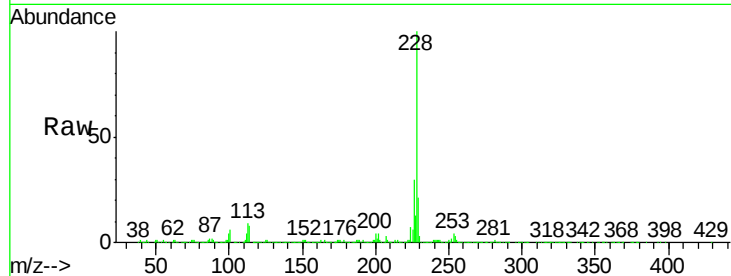




#82
Benzo(a)anthracene
Concen: 14.956 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.05 min
Lab File: BN005476.D
Acq: 04 May 2019 05:52

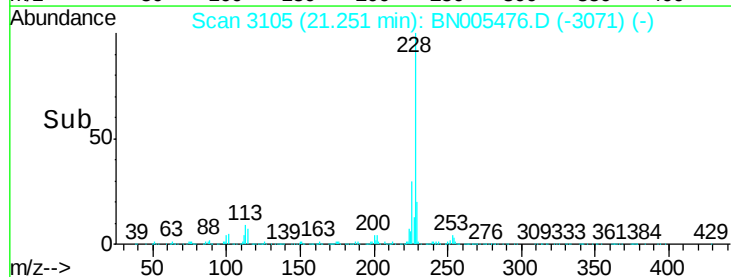
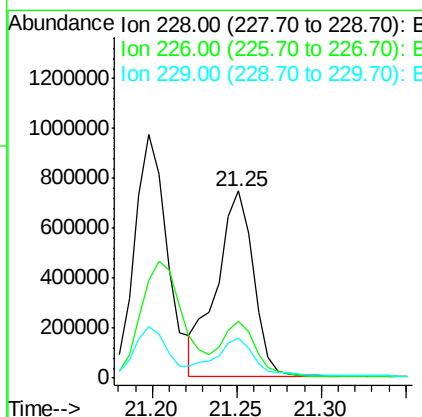
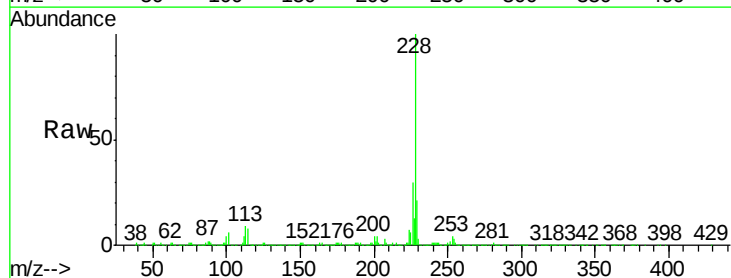
Instrument :
BNA_N
ClientSampleId :
GAJB2MSD

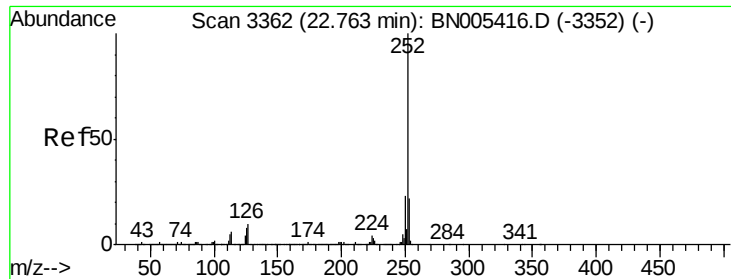
Tgt Ion:228 Resp: 1130671
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.6
226 30.0 21.4 32.2



#84
Chrysene
Concen: 16.265 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BN005476.D
Acq: 04 May 2019 05:52

Tgt Ion:228 Resp: 1141204
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 21.1 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 12.810 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

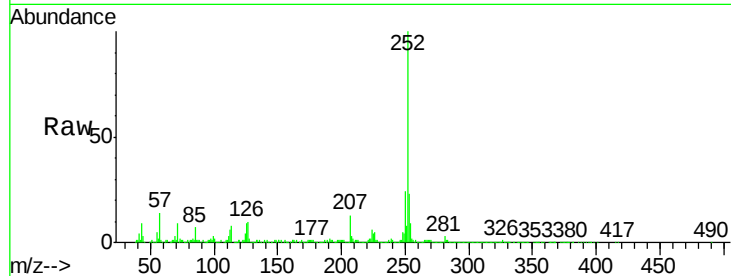
Tgt Ion:252 Resp: 899603

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

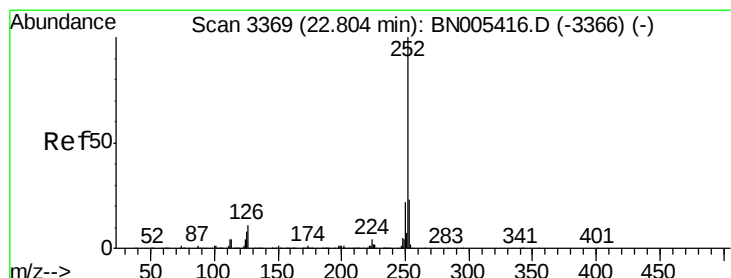
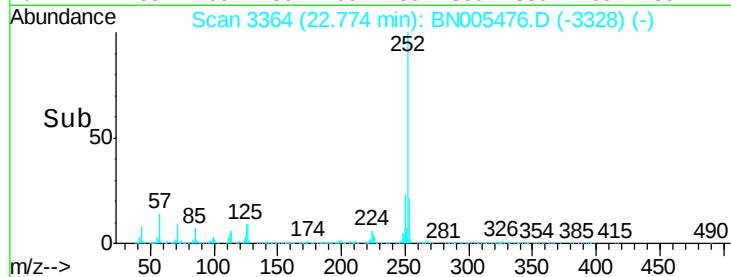
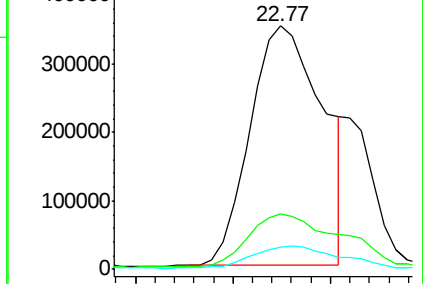
125 9.3 8.4 12.6



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: 13.413 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

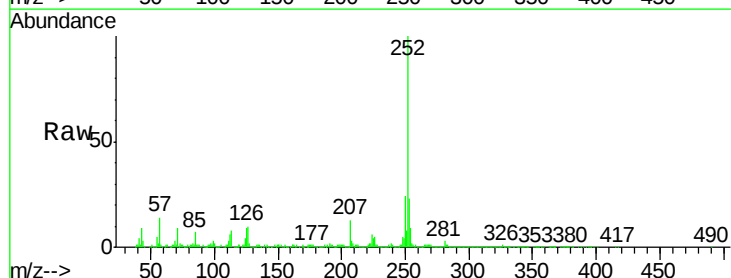
Tgt Ion:252 Resp: 899603

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

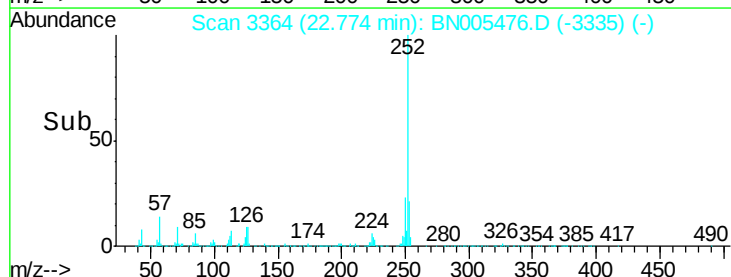
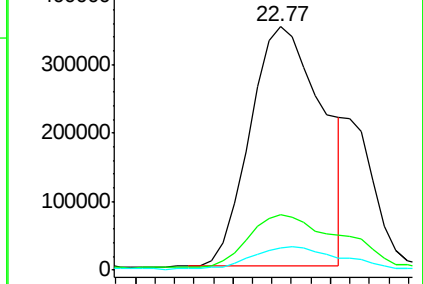
125 9.3 7.5 11.3

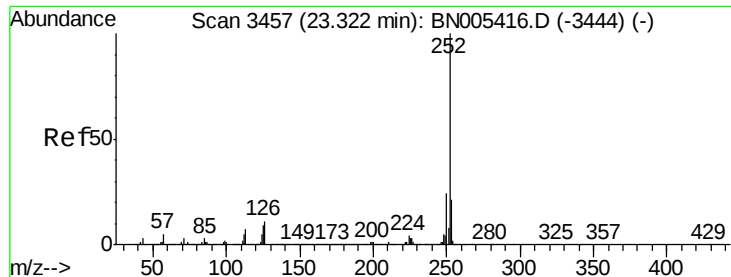


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.901 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

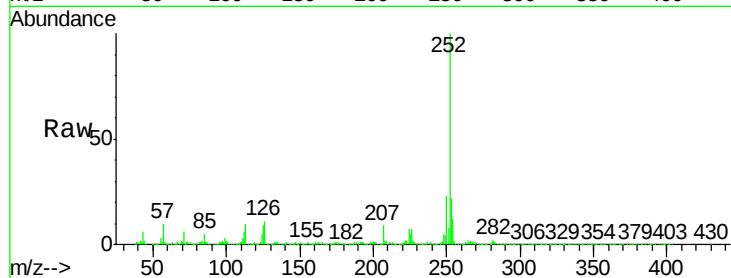
Tgt Ion:252 Resp: 851598

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

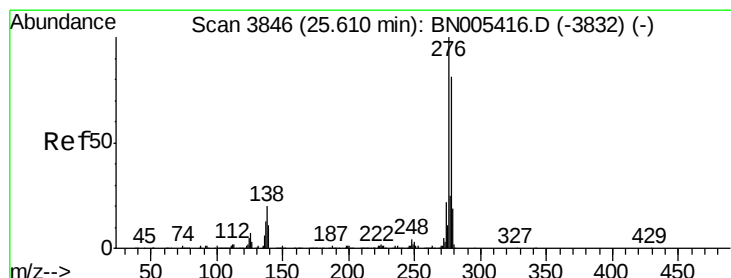
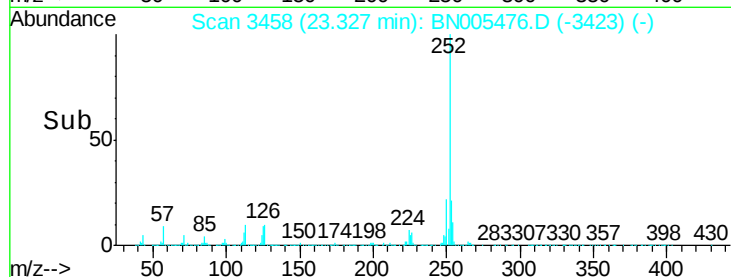
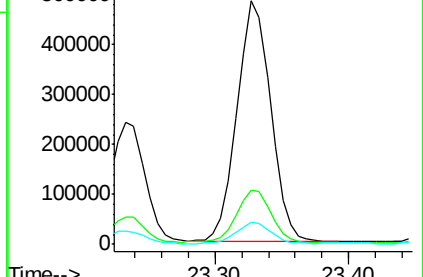
125 9.3 8.6 13.0



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: 4.955 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

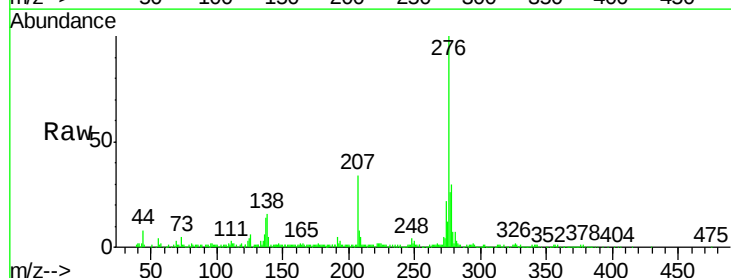
Tgt Ion:276 Resp: 361611

Ion Ratio Lower Upper

276 100

138 21.2 17.9 26.9

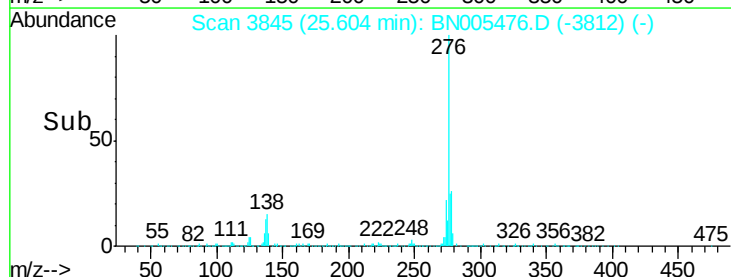
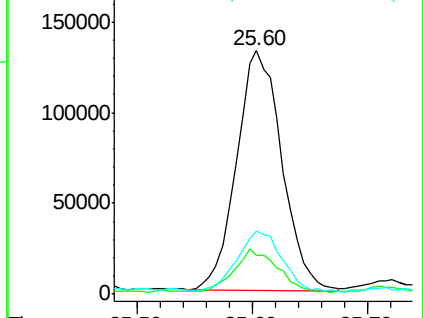
277 26.2 19.7 29.5

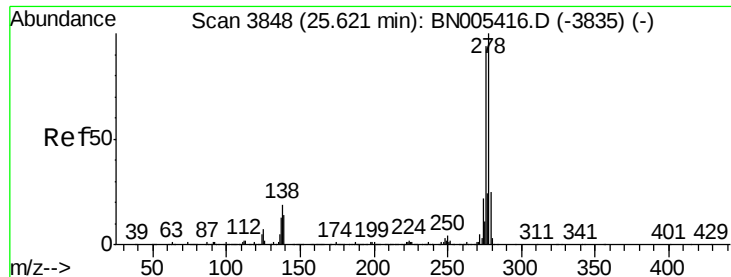


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.064 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

Instrument :

BNA_N

ClientSampleId :

GAJB2MSD

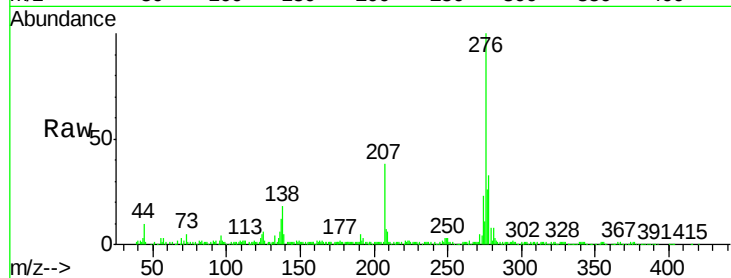
Tgt Ion: 278 Resp: 127835

Ion Ratio Lower Upper

278 100

139 16.4 13.1 19.7

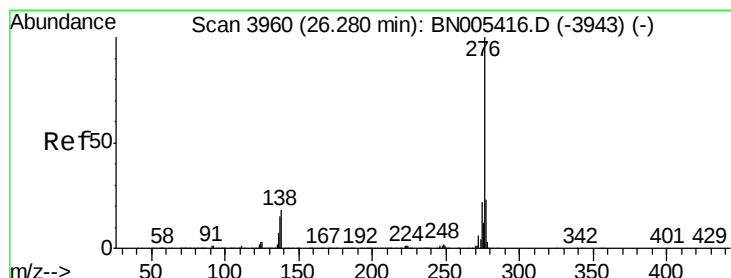
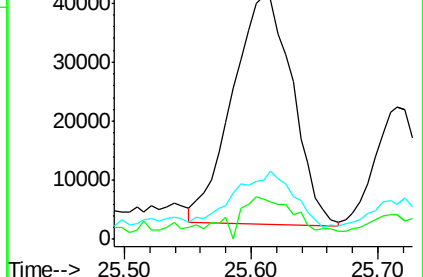
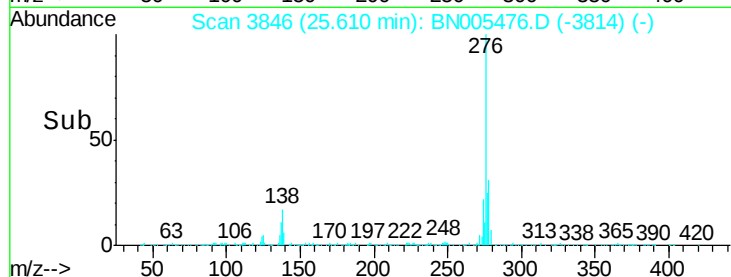
279 24.6 19.4 29.0



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: 3.679 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BN005476.D

Acq: 04 May 2019 05:52

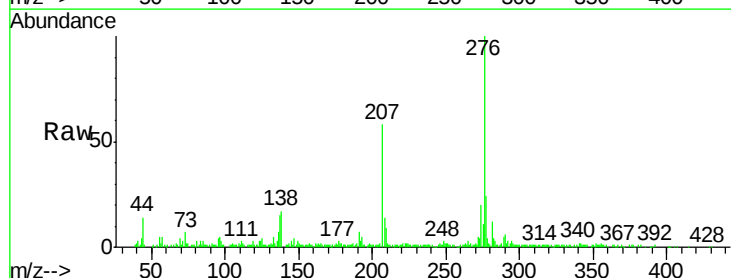
Tgt Ion: 276 Resp: 222031

Ion Ratio Lower Upper

276 100

138 17.3 16.7 25.1

277 24.3 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

