

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005475.D
 Acq On : 04 May 2019 05:18
 Operator : JU/SJ
 Sample : K2634-02MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJB2MS

Quant Time: May 06 01:12:12 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	303114	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1296026	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	777031	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1630745	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1223427	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1292264	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	16070	2.56	ng/uL	0.00
5) Phenol-d5	6.78	99	352093	14.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	210380	14.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	291361	15.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	264568	14.22	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	158484	19.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	177300	21.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	306902	16.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	328476	17.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1070959	18.99	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1214185	17.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	140599	15.79	ng/ul	0.00
57) Fluorene-d10	15.22	176	852259	18.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	117334	16.00	ng/ul	0.00
70) Anthracene-d10	17.07	188	1257183	18.39	ng/ul	0.00
78) Pyrene-d10	19.39	212	1302486	20.81	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	1073534	19.01	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.80	94	409504	16.723	ng/ul	98
10) 2-Chlorophenol	7.16	128	299298	15.890	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.39	70	256864	16.123	ng/ul#	87
33) 4-Chloro-3-methylphenol	11.65	107	320299	15.549	ng/ul	96
44) Dimethylphthalate	13.69	163	213156	3.793	ng/ul	99
47) Acenaphthylene	13.94	152	363839	5.344	ng/ul	99
49) Acenaphthene	14.29	153	812347	17.477	ng/ul	99
52) 4-Nitrophenol	14.46	109	112494	13.915	ng/ul	92
54) 2,4-Dinitrotoluene	14.60	165	301027	21.517	ng/ul	91
68) Pentachlorophenol	16.63	266	178403	17.417	ng/ul	98
69) Phenanthrene	17.02	178	80894	1.019	ng/ul	99
71) Anthracene	17.11	178	128948	1.594	ng/ul	98
76) Fluoranthene	19.05	202	1165780	13.234	ng/ul	96
79) Pyrene	19.42	202	4058184	51.518	ng/ul	95
82) Benzo(a)anthracene	21.25	228	887936	11.667	ng/ul	94
84) Chrysene	21.25	228	879434	12.450	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	687184	9.460	ng/ul	99
88) Benzo(k)fluoranthene	22.77	252	687184	9.905	ng/ul	99
90) Benzo(a)pyrene	23.32	252	688558	10.084	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.60	276	286456	3.795	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.60	278	99490	1.553	ng/ul	92
93) Benzo(g,h,i)perylene	26.27	276	217253	3.480	ng/ul	95

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QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

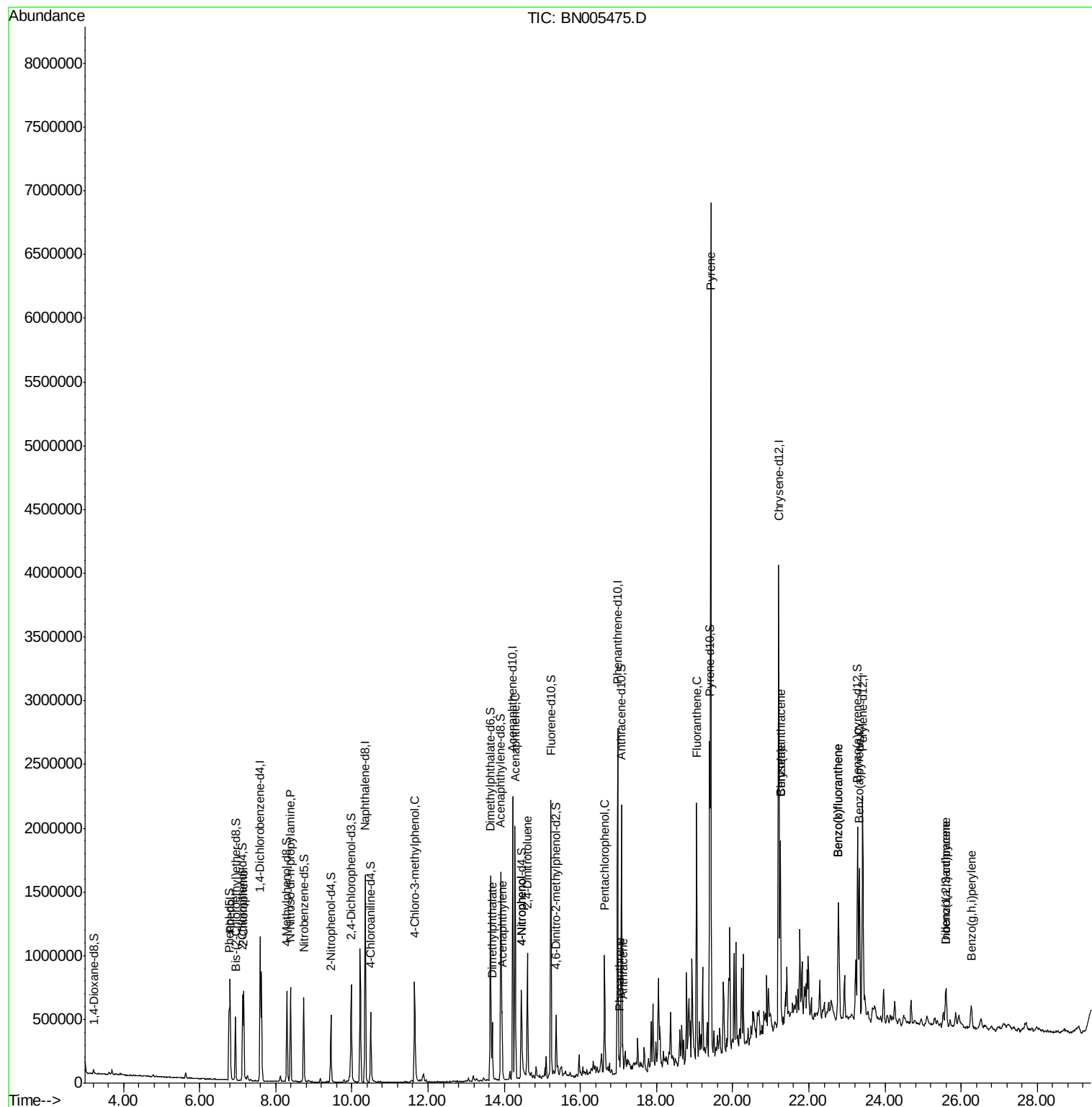
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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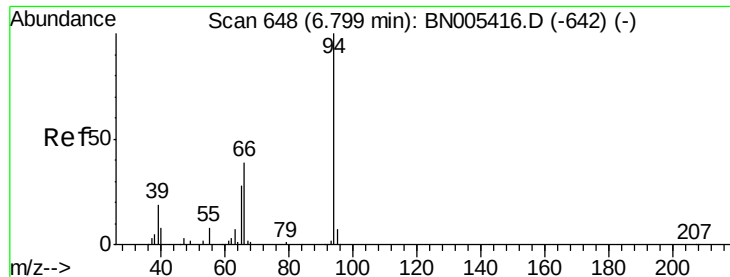
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 16.723 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

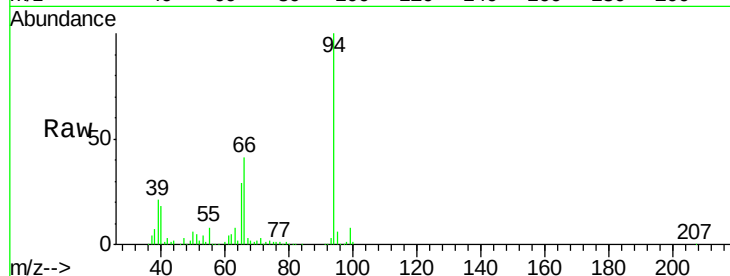
Tgt Ion: 94 Resp: 409504

Ion Ratio Lower Upper

94 100

65 28.9 24.2 36.4

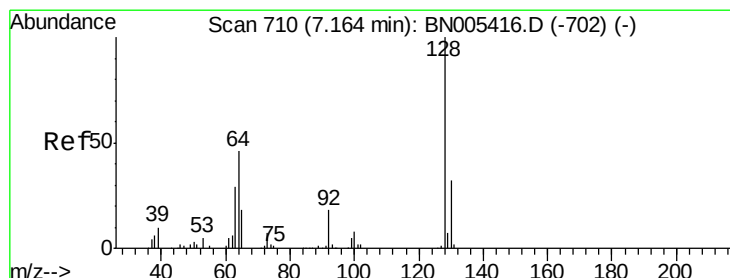
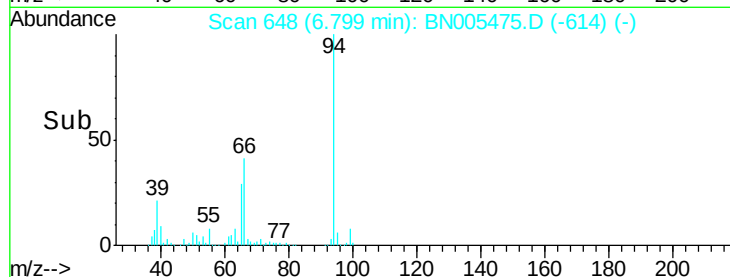
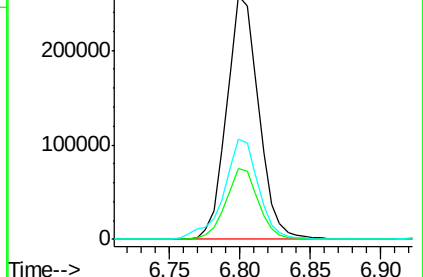
66 41.1 33.8 50.6



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: 15.890 ng/ul

RT: 7.16 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

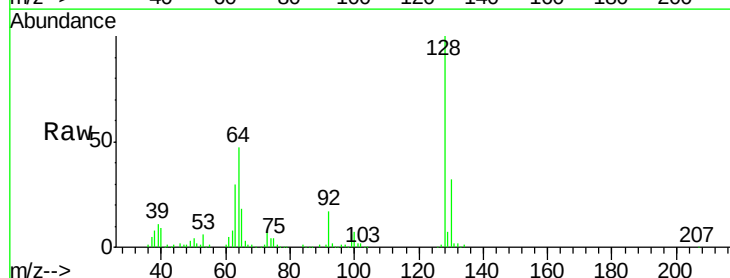
Tgt Ion: 128 Resp: 299298

Ion Ratio Lower Upper

128 100

64 47.0 42.3 63.5

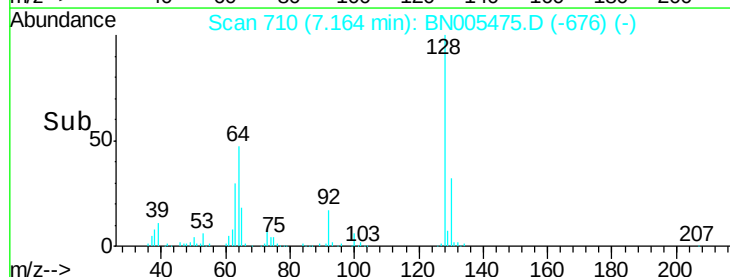
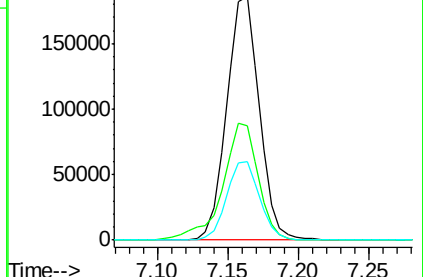
130 32.3 26.5 39.7

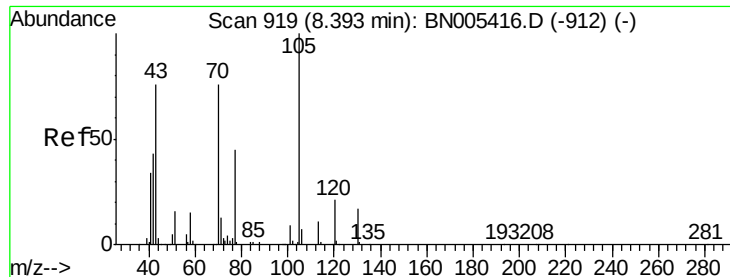


Abundance Ion 128.00 (127.70 to 128.70): BN005416.D (-702) (-)

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: 16.123 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

Tgt Ion: 70 Resp: 256864

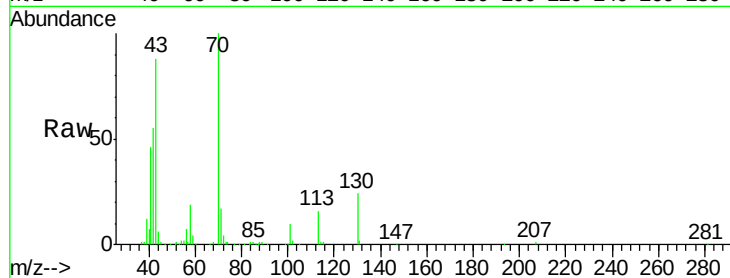
Ion Ratio Lower Upper

70 100

42 54.8 53.8 80.8

101 9.8 7.7 11.5

130 24.0 15.0 22.4#

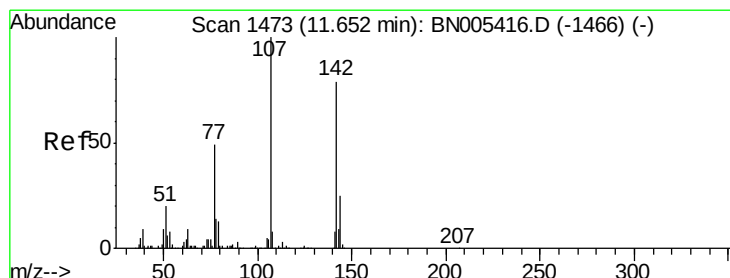
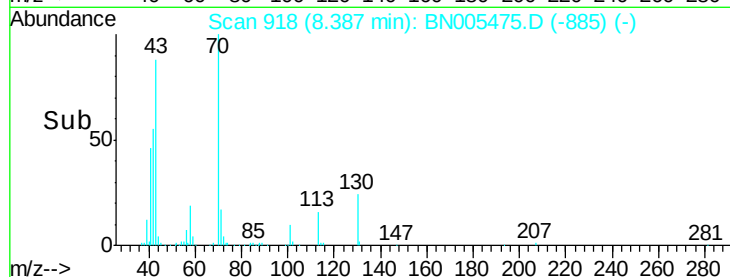
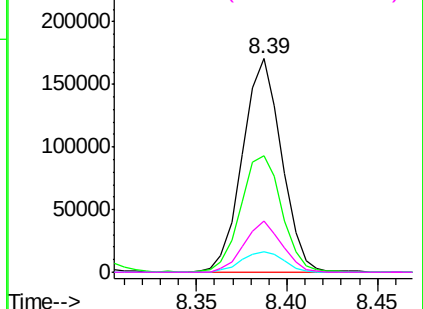


Abundance Ion 70.00 (69.70 to 70.70): BN0

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: 15.549 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

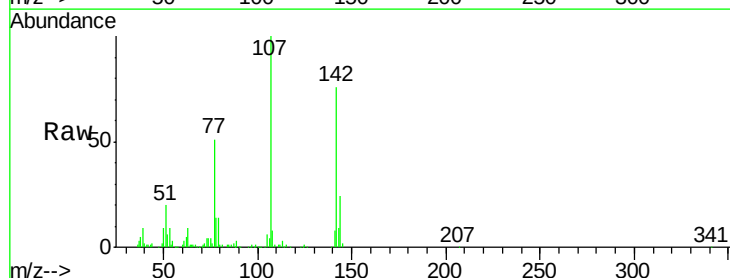
Tgt Ion: 107 Resp: 320299

Ion Ratio Lower Upper

107 100

144 23.8 19.4 29.0

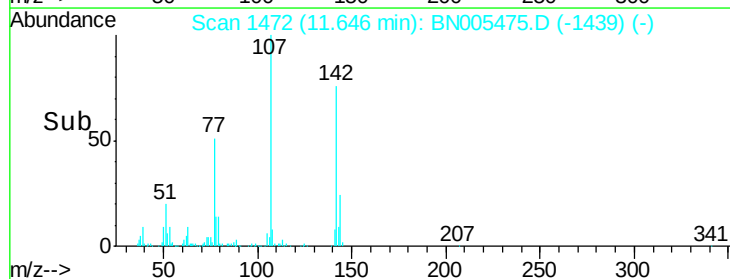
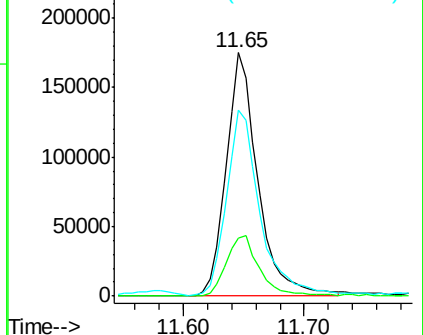
142 76.3 57.7 86.5

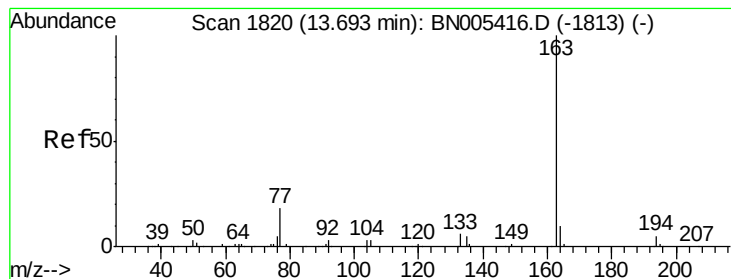


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 3.793 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

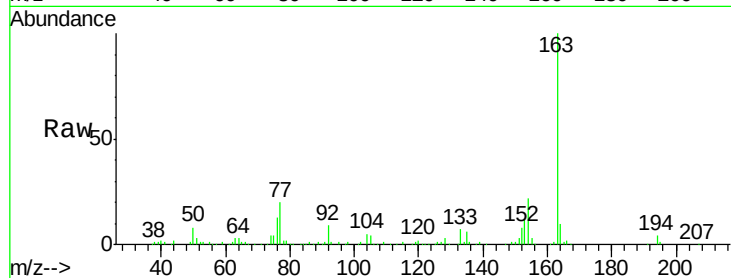
Tgt Ion:163 Resp: 213156

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

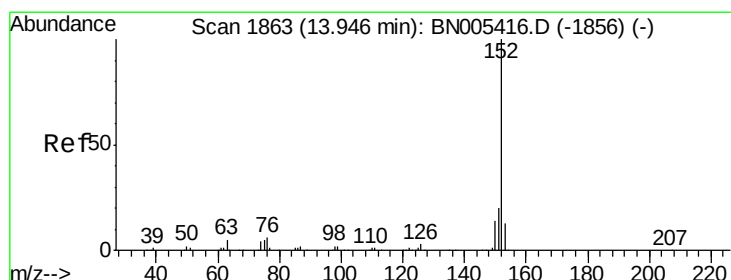
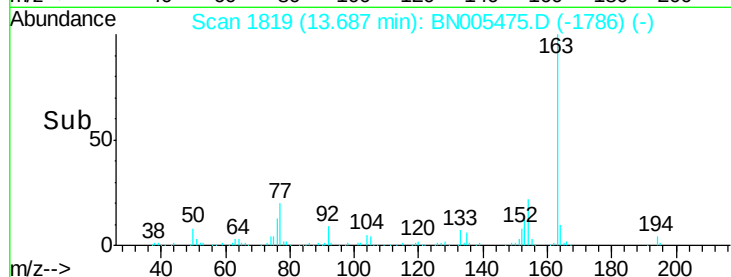
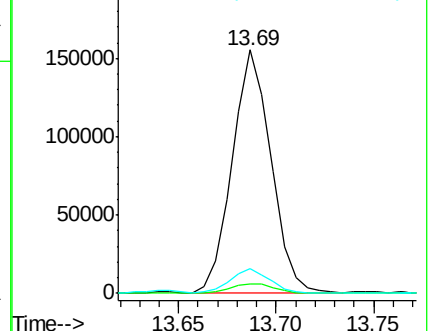
164 10.3 8.1 12.1



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: 5.344 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

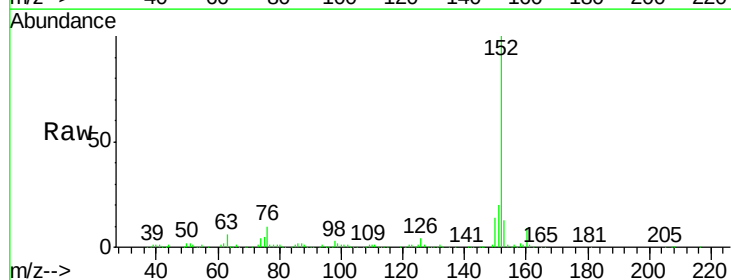
Tgt Ion:152 Resp: 363839

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

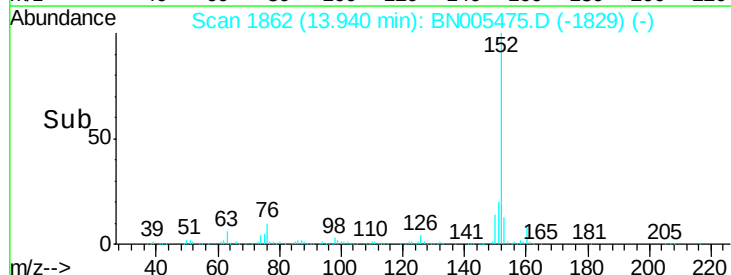
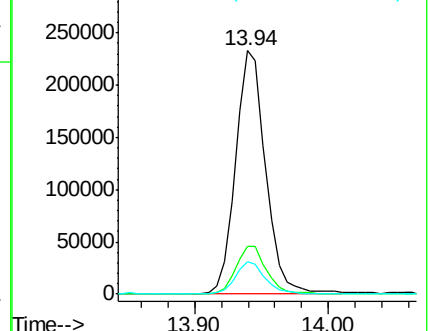
153 13.1 9.8 14.8

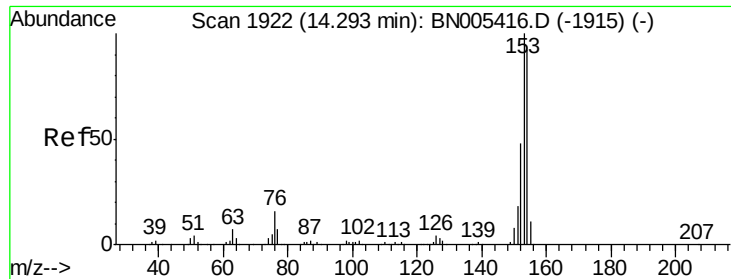


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 17.477 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

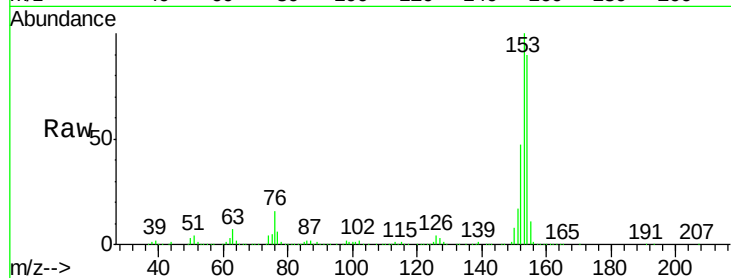
Tgt Ion:153 Resp: 812347

Ion Ratio Lower Upper

153 100

152 47.3 37.4 56.0

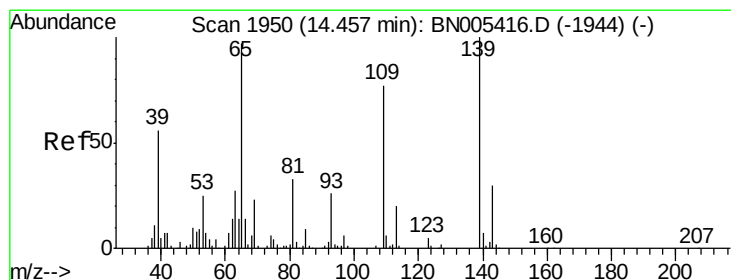
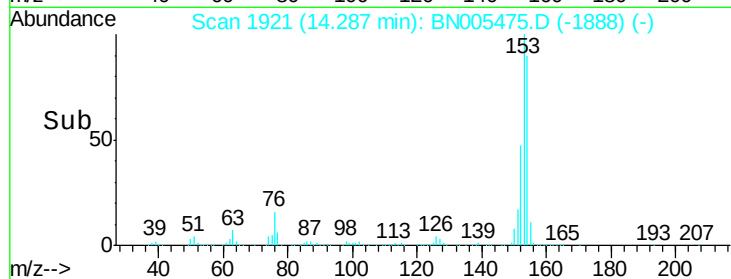
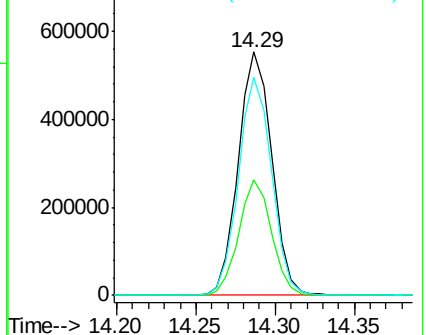
154 89.6 71.2 106.8



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: 13.915 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

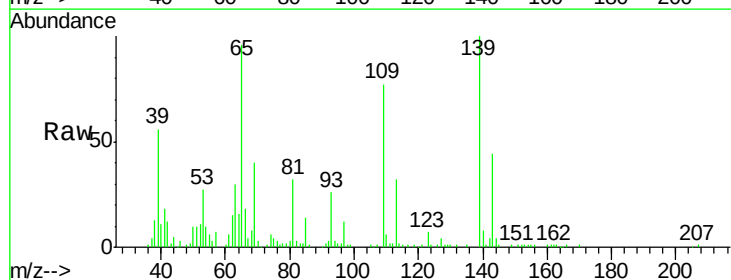
Tgt Ion:109 Resp: 112494

Ion Ratio Lower Upper

109 100

139 129.9 92.3 138.5

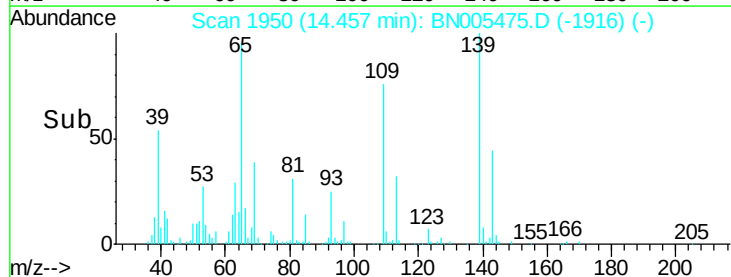
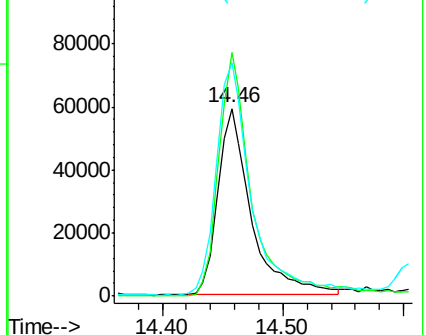
65 124.2 97.5 146.3

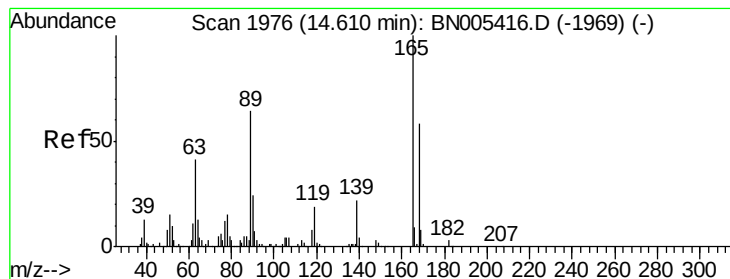


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





#54

2,4-Dinitrotoluene

Concen: 21.517 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampled :

GAJB2MS

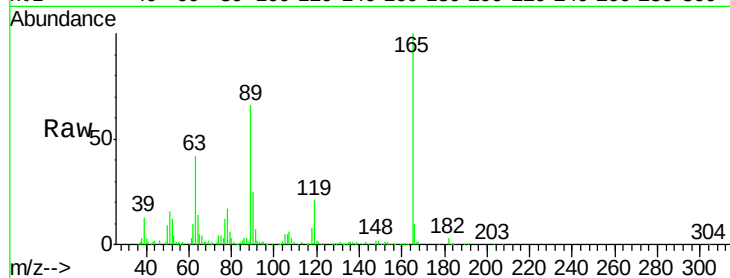
Tgt Ion:165 Resp: 301027

Ion Ratio Lower Upper

165 100

63 41.8 38.9 58.3

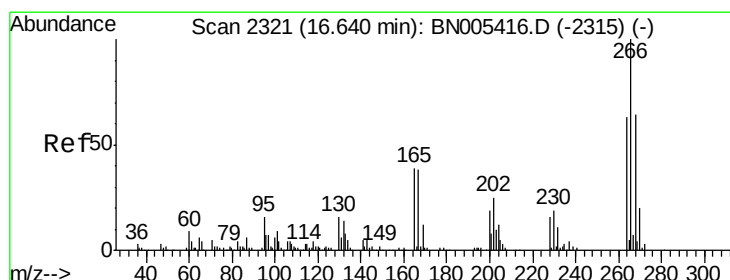
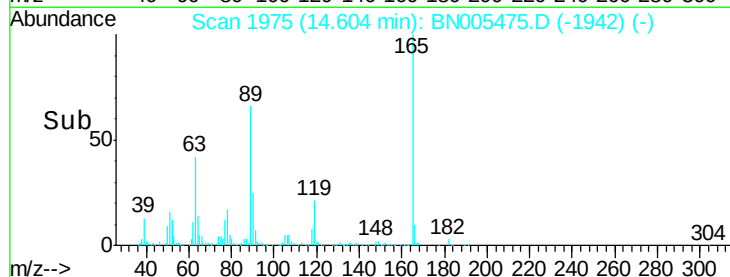
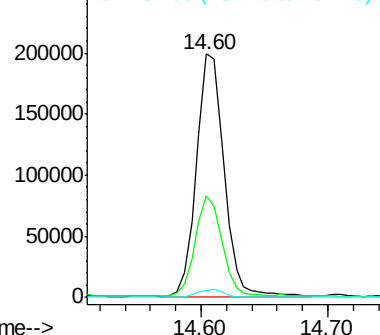
182 3.0 2.6 3.8



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



#68

Pentachlorophenol

Concen: 17.417 ng/ul

RT: 16.63 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

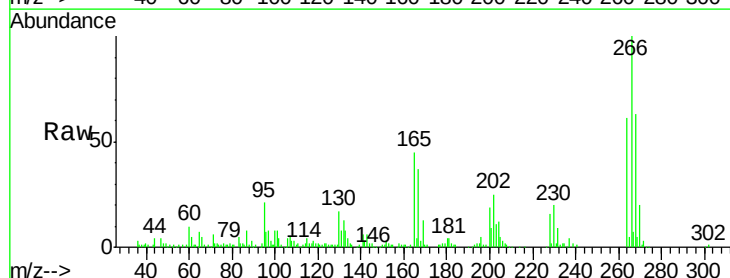
Tgt Ion:266 Resp: 178403

Ion Ratio Lower Upper

266 100

264 61.1 49.7 74.5

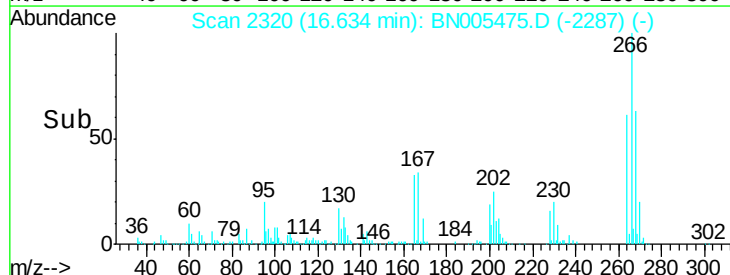
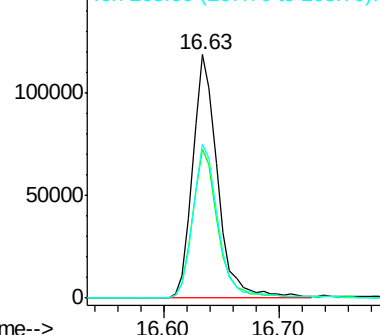
268 63.1 52.4 78.6

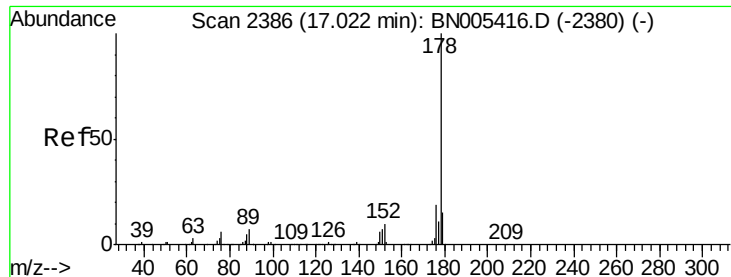


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 1.019 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

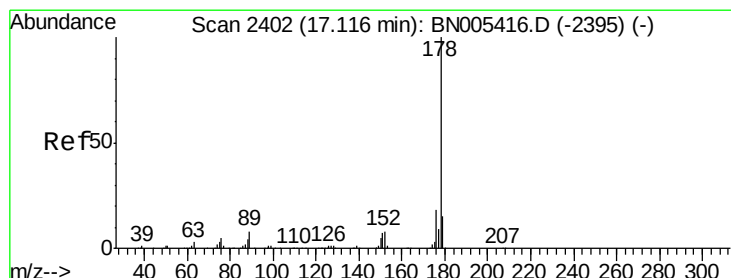
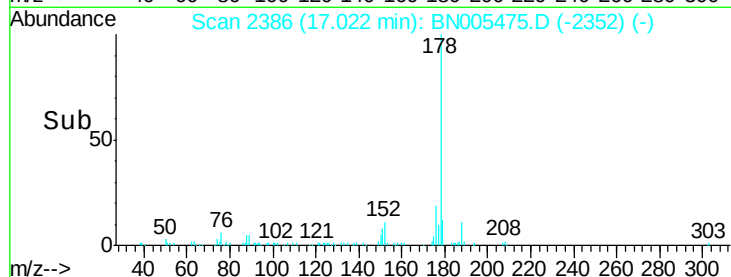
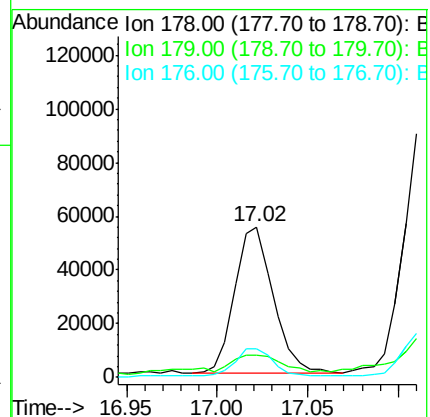
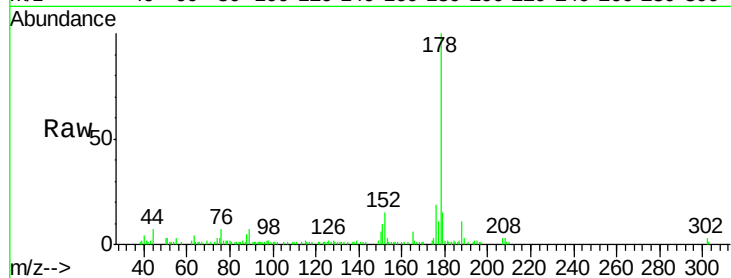
Tgt Ion:178 Resp: 80894

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.4

176 19.4 15.1 22.7



#71

Anthracene

Concen: 1.594 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

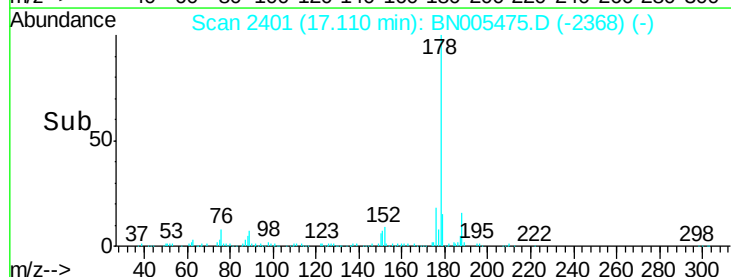
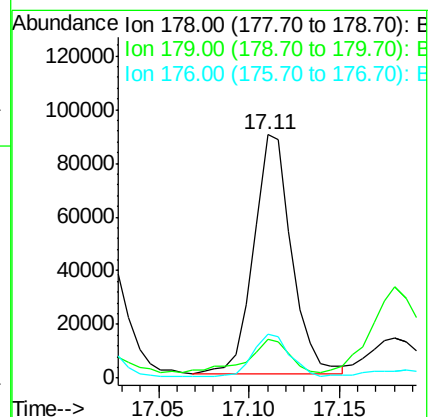
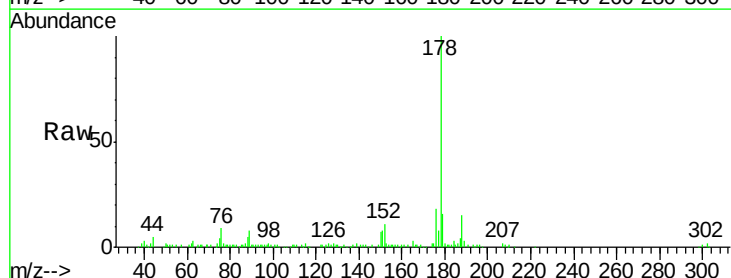
Tgt Ion:178 Resp: 128948

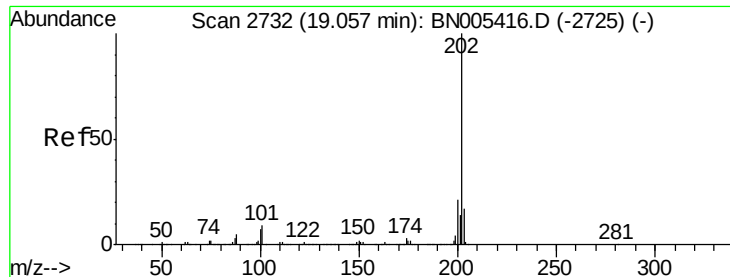
Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.2 15.1 22.7





#76

Fluoranthene

Concen: 13.234 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

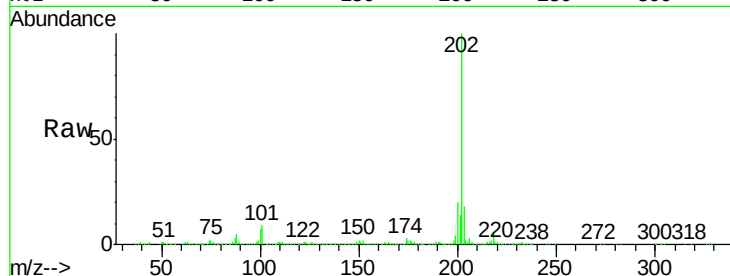
Tgt Ion:202 Resp: 1165780

Ion Ratio Lower Upper

202 100

101 8.8 8.6 12.8

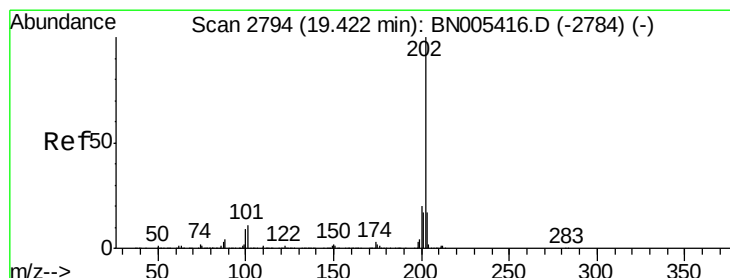
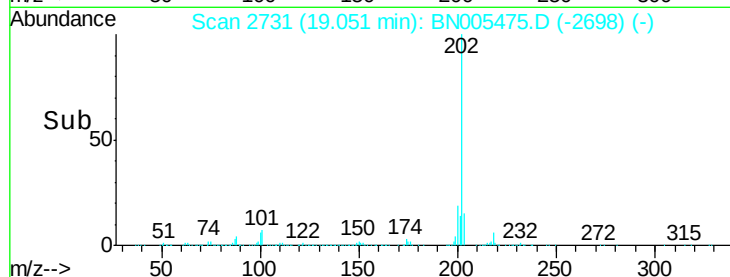
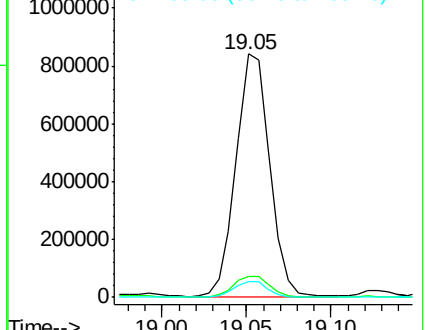
100 6.7 6.3 9.5



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: 51.518 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

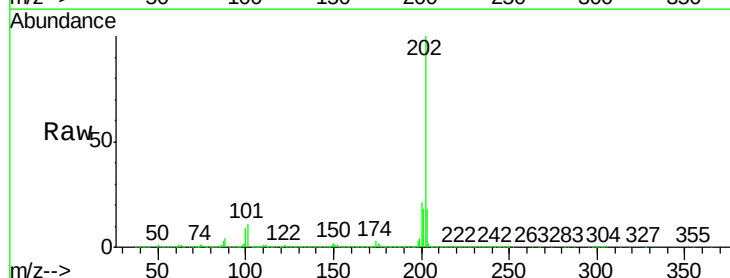
Tgt Ion:202 Resp: 4058184

Ion Ratio Lower Upper

202 100

101 10.6 10.3 15.5

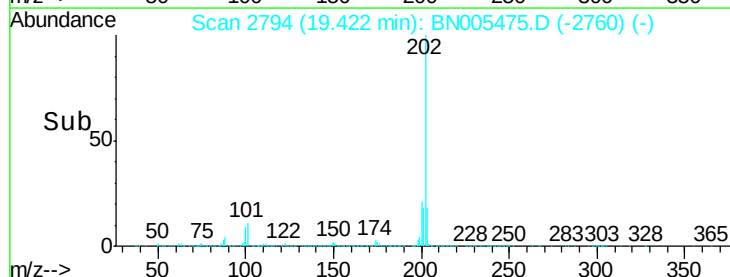
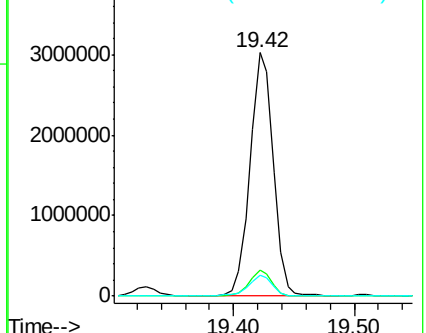
100 8.7 7.9 11.9

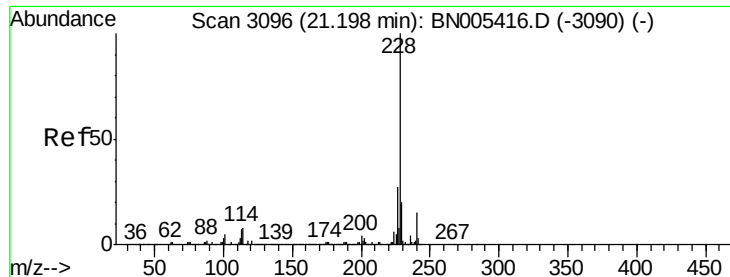


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 11.667 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

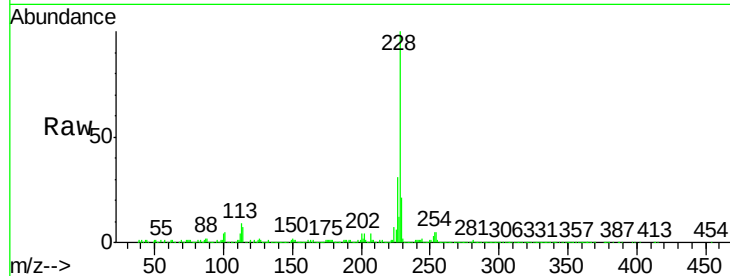
Tgt Ion:228 Resp: 887936

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

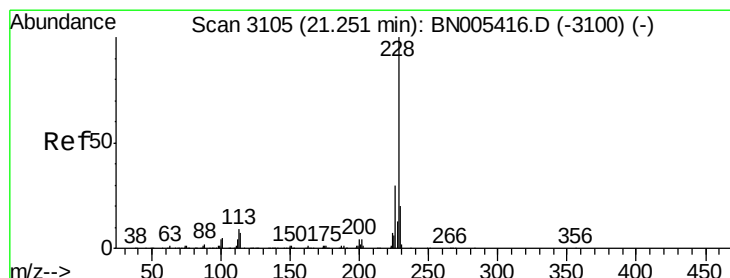
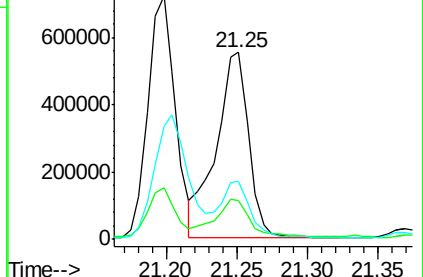
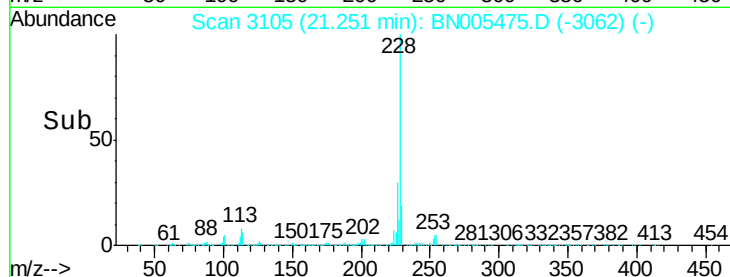
226 31.1 21.4 32.2



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: 12.450 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

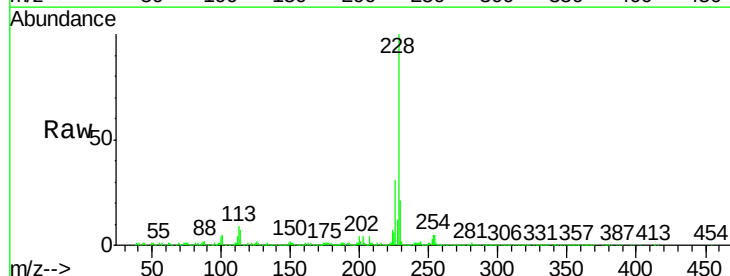
Tgt Ion:228 Resp: 879434

Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

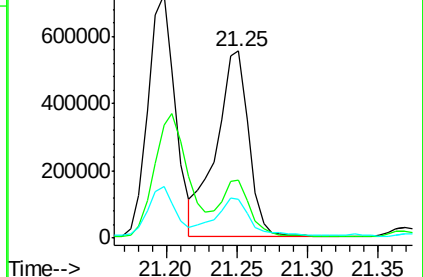
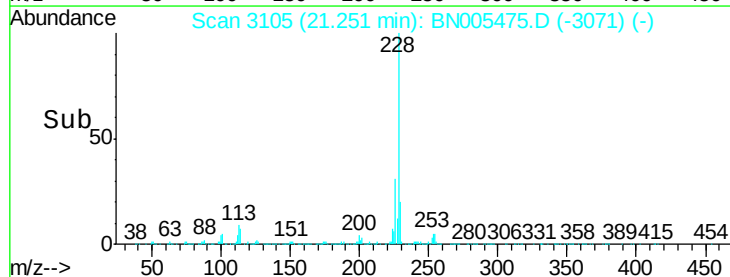
229 20.7 15.4 23.0

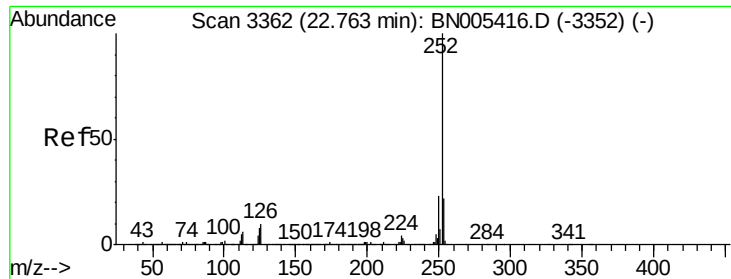


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 9.460 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

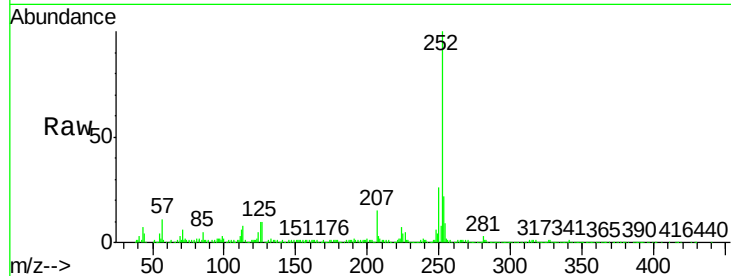
Tgt Ion:252 Resp: 687184

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

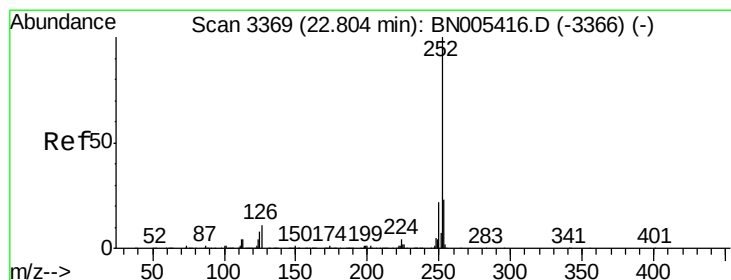
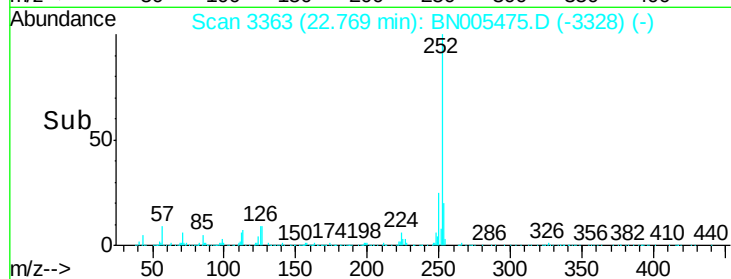
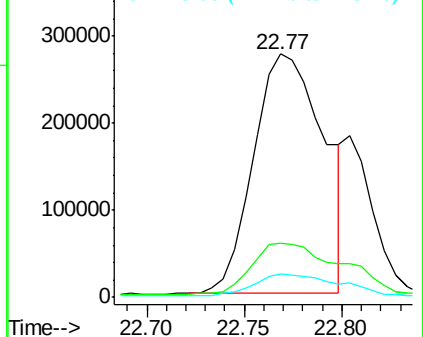
125 9.7 8.4 12.6



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: 9.905 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

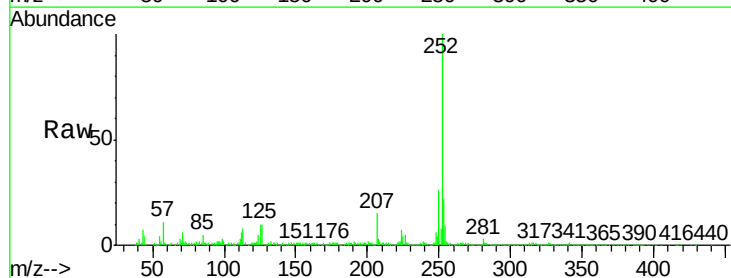
Tgt Ion:252 Resp: 687184

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

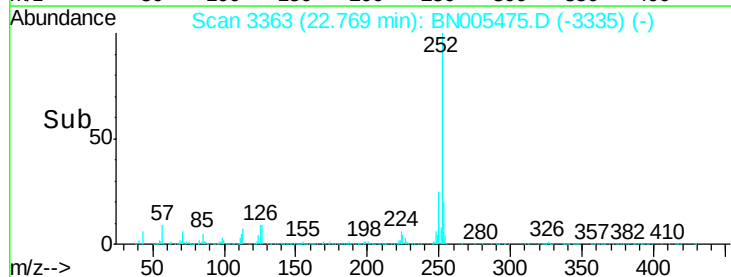
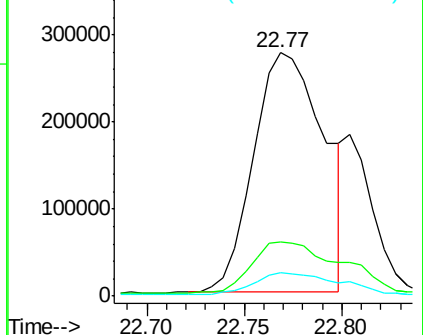
125 9.7 7.5 11.3

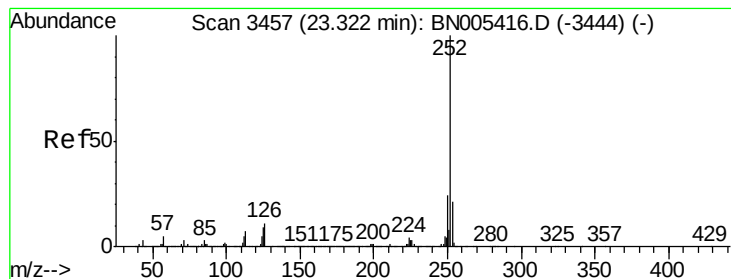


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.084 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.00 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

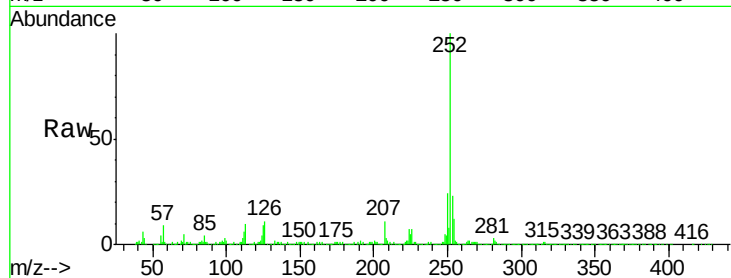
Tgt Ion:252 Resp: 688558

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

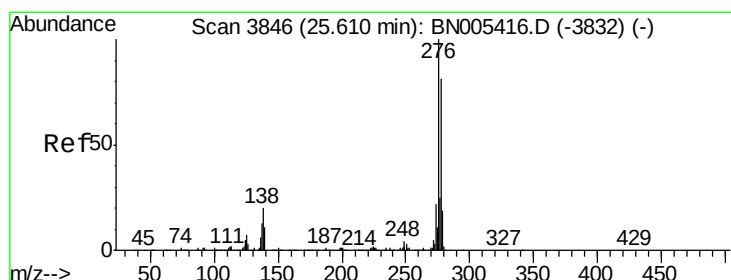
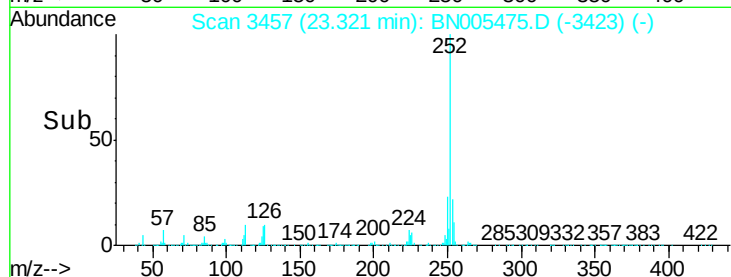
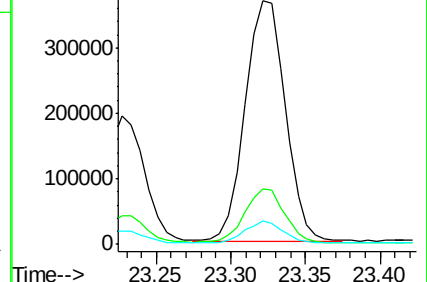
125 9.4 8.6 13.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.795 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

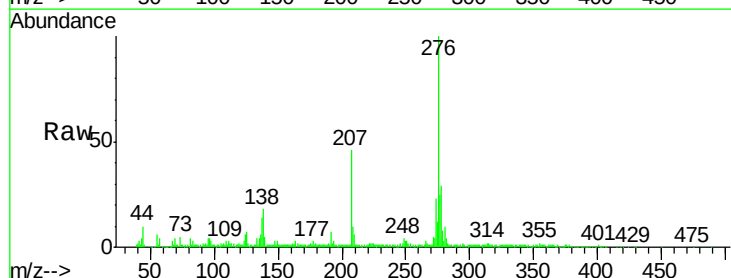
Tgt Ion:276 Resp: 286456

Ion Ratio Lower Upper

276 100

138 17.8 17.9 26.9#

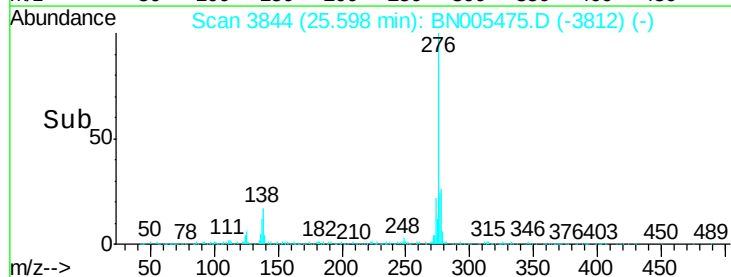
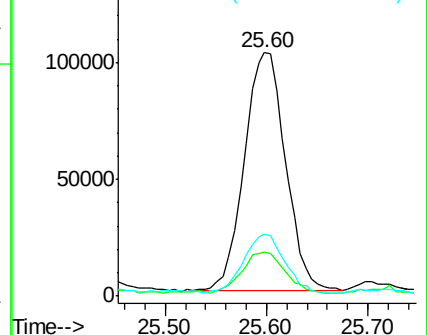
277 25.2 19.7 29.5

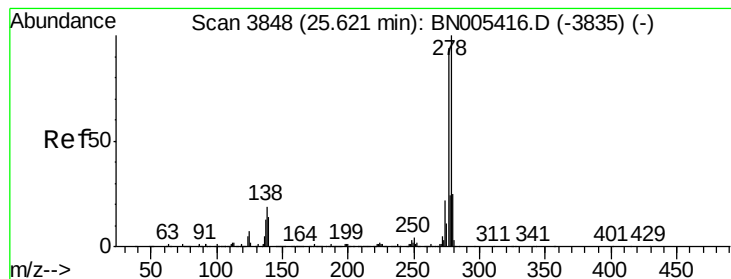


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.553 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.02 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

Instrument :

BNA_N

ClientSampleId :

GAJB2MS

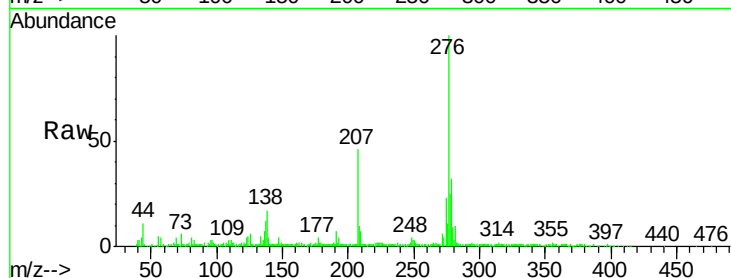
Tgt Ion:278 Resp: 99490

Ion Ratio Lower Upper

278 100

139 14.2 13.1 19.7

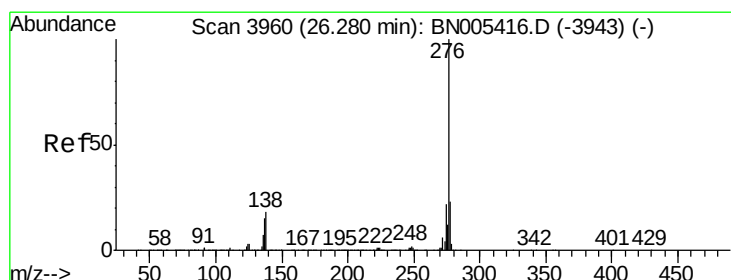
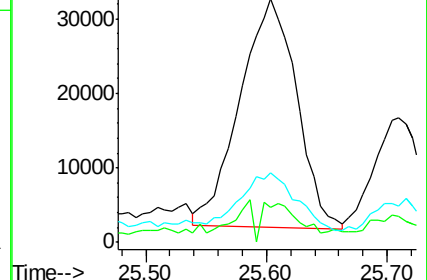
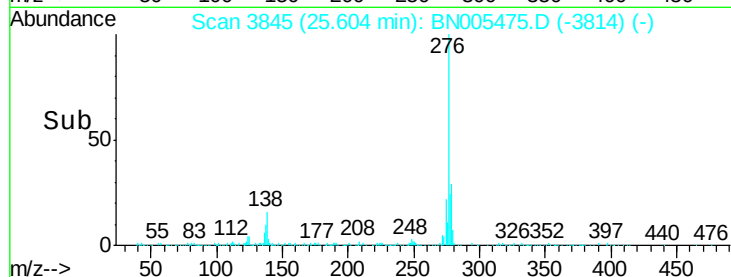
279 28.8 19.4 29.0



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: 3.480 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BN005475.D

Acq: 04 May 2019 05:18

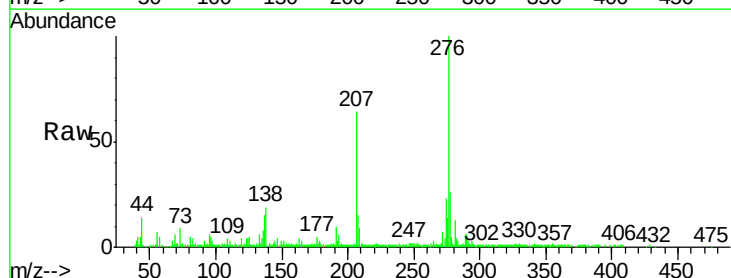
Tgt Ion:276 Resp: 217253

Ion Ratio Lower Upper

276 100

138 19.3 16.7 25.1

277 25.9 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

