

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
 Data File : BN011431.D
 Acq On : 14 Aug 2020 18:12
 Operator : CG/JU
 Sample : L3631-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFMM6

Quant Time: Aug 14 18:46:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 15:37:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	157975	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	540897	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.07	164	327453	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.83	188	733743	20.00	ng/ul	0.00
78) Chrysene-d12	21.05	240	821330	20.00	ng/ul	0.00
86) Perylene-d12	23.16	264	878712	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	6910	2.10	ng/uL	0.00
5) Phenol-d5	6.64	99	177416	15.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	102471	18.00	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	163564	16.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	148329	16.35	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	87758	20.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	88786	18.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	169943	19.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	167603	15.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	519204	20.36	ng/ul	0.00
47) Acenaphthylene-d8	13.76	160	579313	18.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	65534	15.17	ng/ul	0.00
58) Fluorene-d10	15.07	176	447899	20.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.22	200	67551	13.88	ng/ul	0.00
71) Anthracene-d10	16.93	188	712428	20.33	ng/ul	0.00
79) Pyrene-d10	19.24	212	863164	20.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.03	264	938713	19.24	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.67	94	24834	2.180	ng/ul 92
28) Naphthalene	10.23	128	194718	6.451	ng/ul 99
34) 2-Methylnaphthalene	11.85	142	152746	7.382	ng/ul 95
41) 1,1'-Biphenyl	12.89	154	72749	2.768	ng/ul 97
45) Dimethylphthalate	13.55	163	95409	3.646	ng/ul 97
48) Acenaphthylene	13.79	152	430532	13.546	ng/ul 99
50) Acenaphthene	14.13	153	332142	14.929	ng/ul 99
54) Dibenzofuran	14.47	168	806502	24.996	ng/ul 99
59) Fluorene	15.13	166	910018	34.994	ng/ul 99
70) Phenanthrene	16.88	178	11843151	272.127	ng/ul 100
72) Anthracene	16.96	178	2135225	48.440	ng/ul 99
75) Carbazole	17.23	167	744315	20.079	ng/ul 100
77) Fluoranthene	18.91	202	12778853	239.958	ng/ul 99
80) Pyrene	19.27	202	10216977	176.772	ng/ul 100
83) Benzo(a)anthracene	21.03	228	5733217	104.923	ng/ul 98
85) Chrysene	21.09	228	5298308	97.618	ng/ul 97
88) Benzo(b)fluoranthene	22.55	252	6230006	101.413	ng/ul 99
89) Benzo(k)fluoranthene	22.58	252	2255481	36.968	ng/ul 95
91) Benzo(a)pyrene	23.07	252	4193838	74.094	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.22	276	2909641	40.107	ng/ul 95
93) Dibenz(a,h)anthracene	25.22	278	844481	13.904	ng/ul# 85
94) Benzo(a,h,i)perylene	25.85	276	2373884	39.471	ng/ul 94

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QLast Update : Fri Aug 14 15:37:33 2020
Response via : Initial Calibration

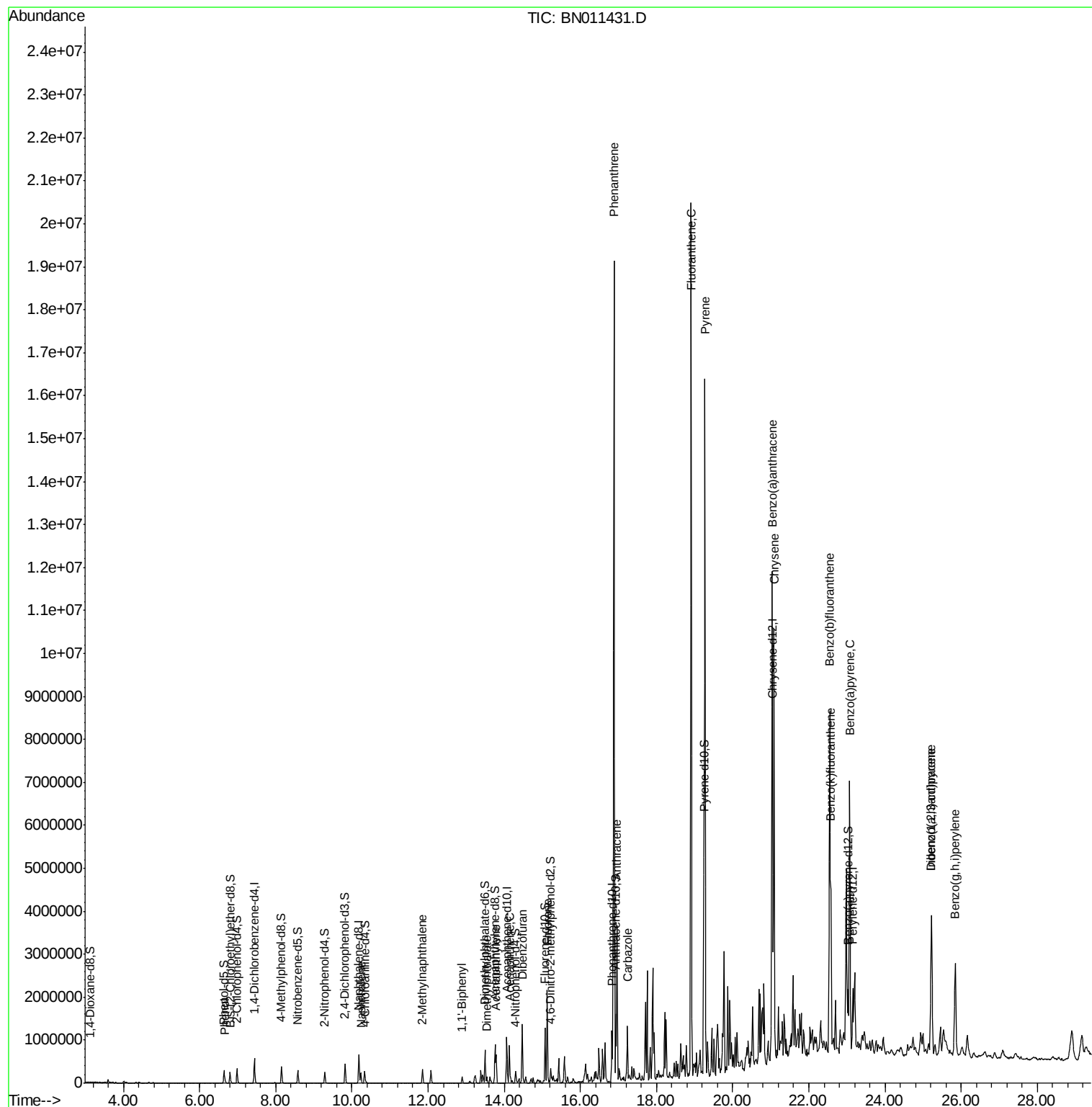
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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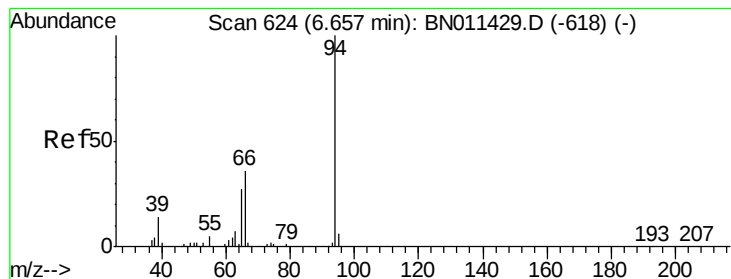
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.180 ng/ul

RT: 6.67 min Scan# 626

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

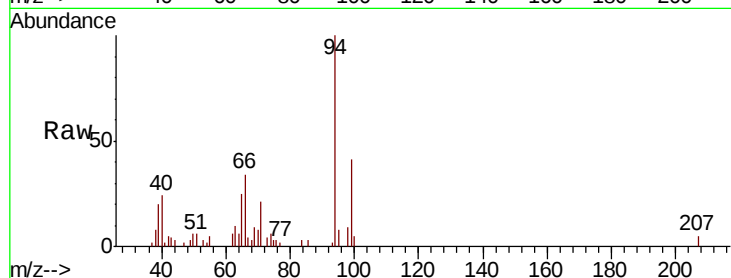
Tot Ion: 94 Resp: 24834

Ion Ratio Lower Upper

94 100

65 24.7 22.1 33.1

66 34.3 32.1 48.1

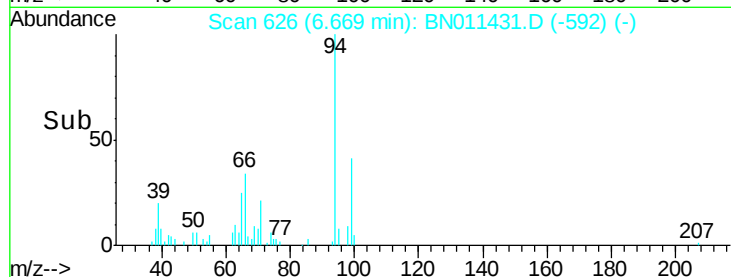


Abundance Ion 94.00 (93.70 to 94.70): BN011429.D (-618) (-)

Ion 65.00 (64.70 to 65.70): BN011429.D (-618) (-)

Ion 66.00 (65.70 to 66.70): BN011429.D (-618) (-)

Time-->



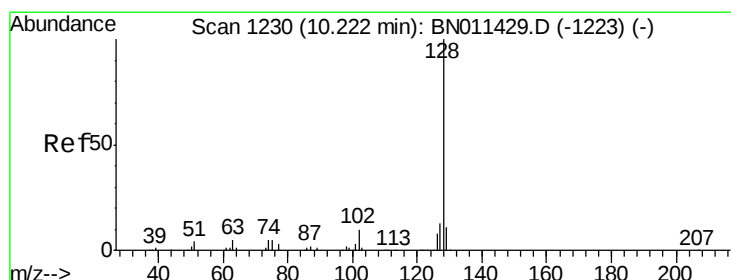
Abundance

Ion 94.00 (93.70 to 94.70): BN011431.D (-592) (-)

Ion 65.00 (64.70 to 65.70): BN011431.D (-592) (-)

Ion 66.00 (65.70 to 66.70): BN011431.D (-592) (-)

Time-->



#28

Naphthalene

Concen: 6.451 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

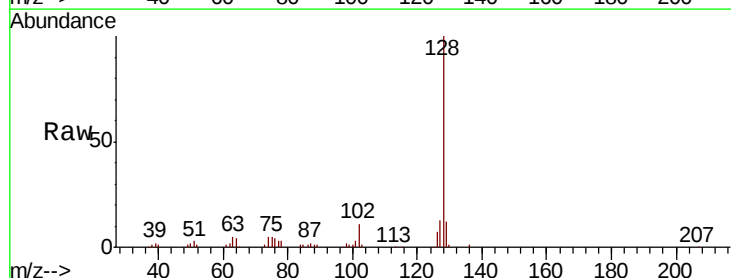
Tgt Ion: 128 Resp: 194718

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

127 12.8 10.2 15.2

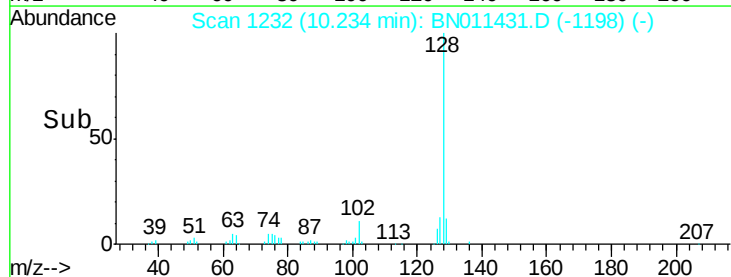


Abundance Ion 128.00 (127.70 to 128.70): BN011429.D (-1223) (-)

Ion 129.00 (128.70 to 129.70): BN011429.D (-1223) (-)

Ion 127.00 (126.70 to 127.70): BN011429.D (-1223) (-)

Time-->



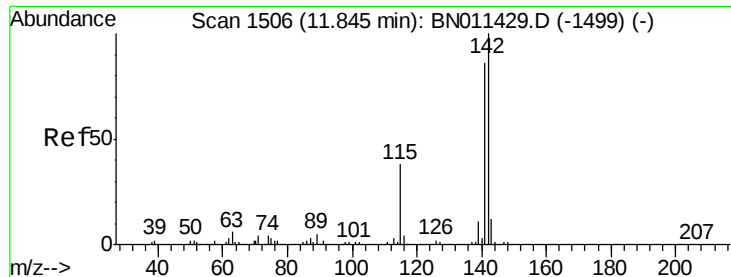
Abundance

Ion 128.00 (127.70 to 128.70): BN011431.D (-1198) (-)

Ion 129.00 (128.70 to 129.70): BN011431.D (-1198) (-)

Ion 127.00 (126.70 to 127.70): BN011431.D (-1198) (-)

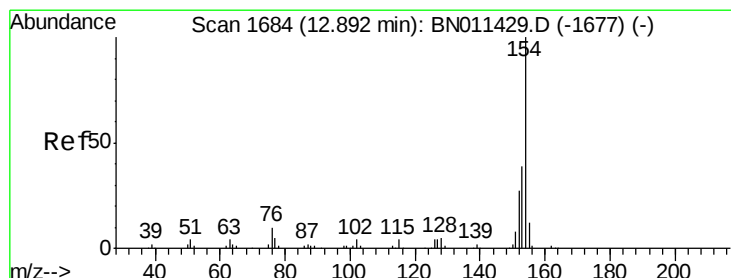
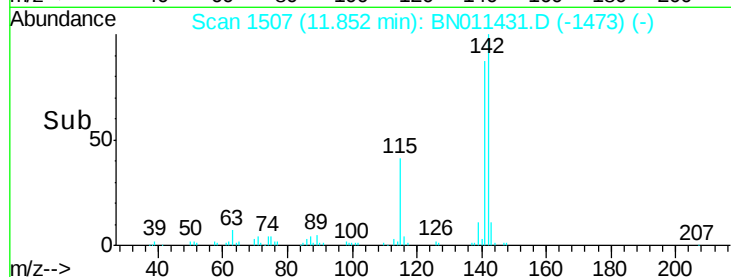
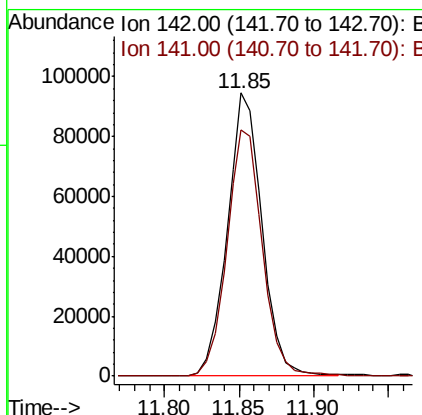
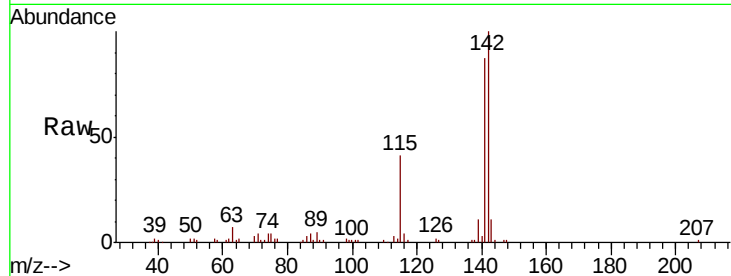
Time-->



#34
 2-Methylnaphthalene
 Concen: 7.382 ng/ul
 RT: 11.85 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: BN011431.D
 Acq: 14 Aug 2020 18:12

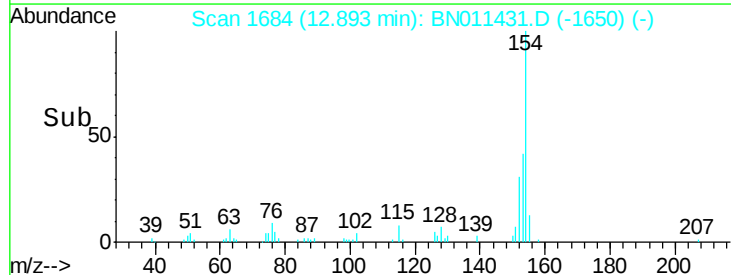
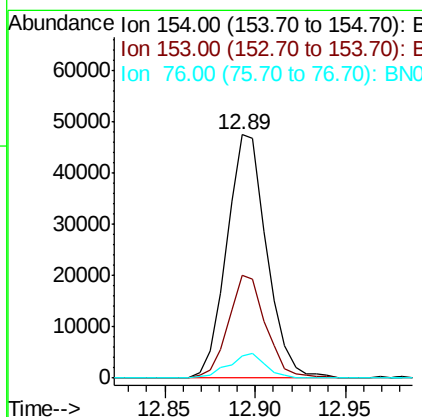
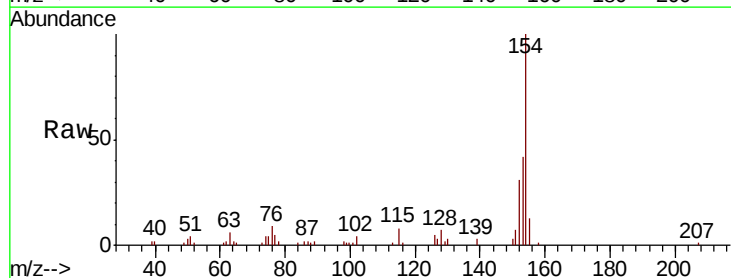
Instrument :
 BNA_N
 ClientSampled :
 BFMM6

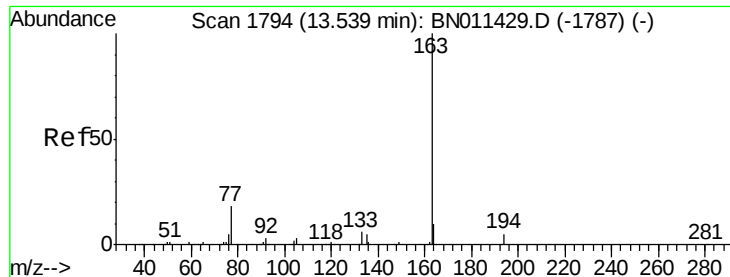
Tot Ion:142 Resp: 152746
 Ion Ratio Lower Upper
 142 100
 141 86.8 73.2 109.8



#41
 1,1'-Biphenyl
 Concen: 2.768 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BN011431.D
 Acq: 14 Aug 2020 18:12

Tgt Ion:154 Resp: 72749
 Ion Ratio Lower Upper
 154 100
 153 42.4 32.3 48.5
 76 9.1 8.5 12.7





#45

Dimethylphthalate

Concen: 3.646 ng/ul

RT: 13.55 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

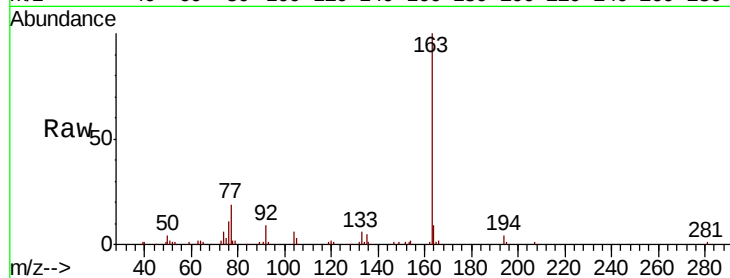
Tot Ion:163 Resp: 95409

Ion Ratio Lower Upper

163 100

194 4.2 3.8 5.6

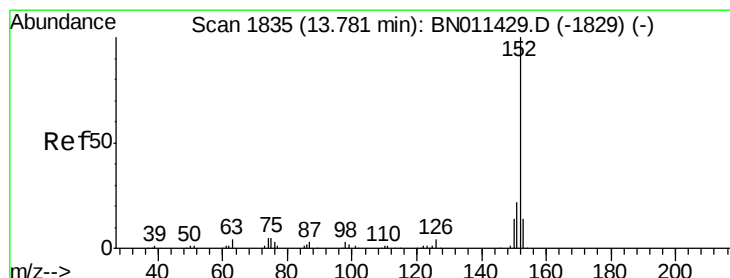
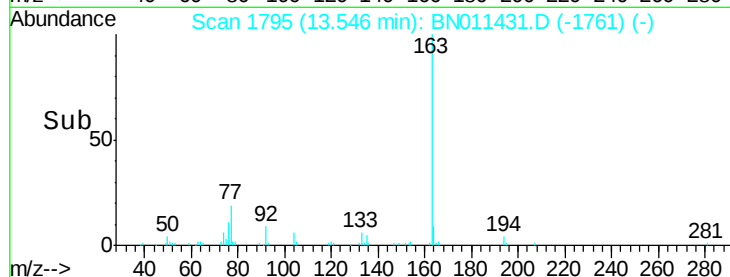
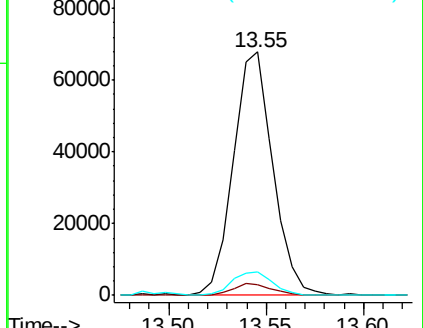
164 9.4 8.7 13.1



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



#48

Acenaphthylene

Concen: 13.546 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

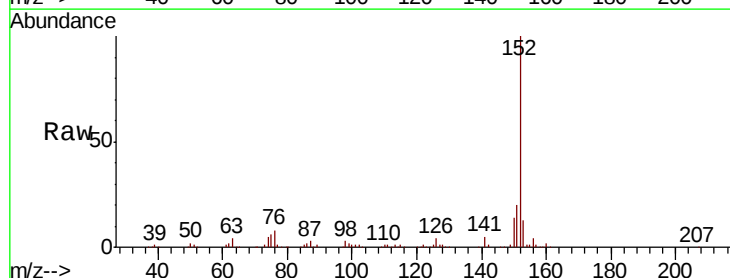
Tgt Ion:152 Resp: 430532

Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.2

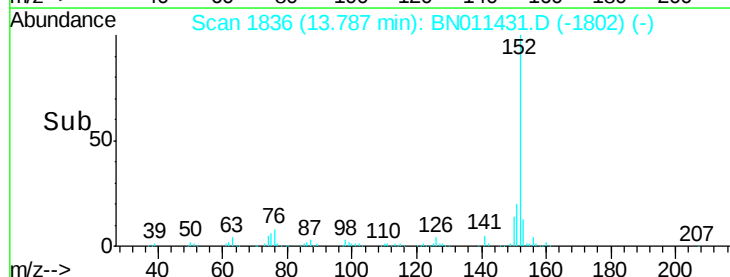
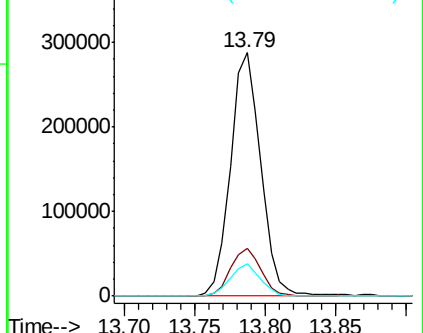
153 13.2 9.9 14.9

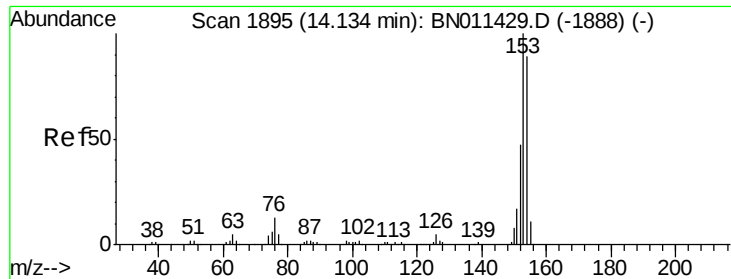


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 14.929 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

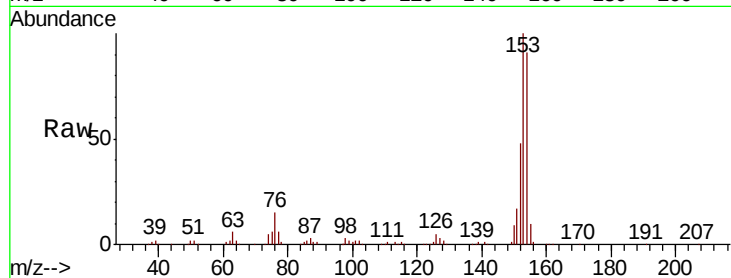
Tot Ion:153 Resp: 332142

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

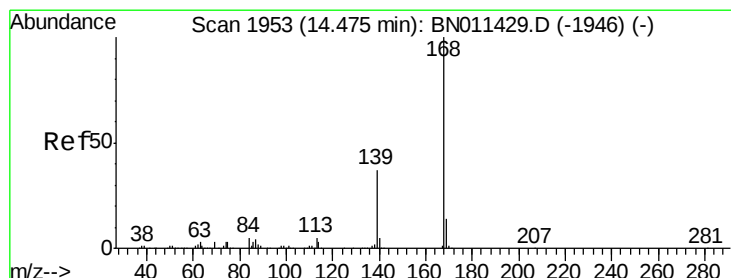
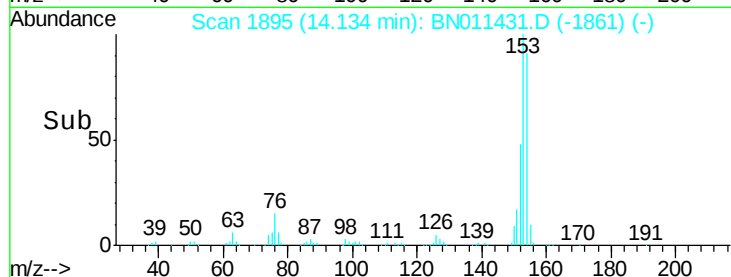
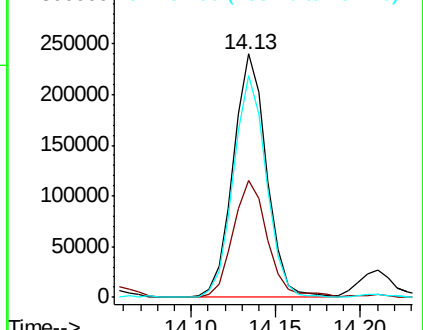
154 91.4 72.0 108.0



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



#54

Dibenzofuran

Concen: 24.996 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BN011431.D

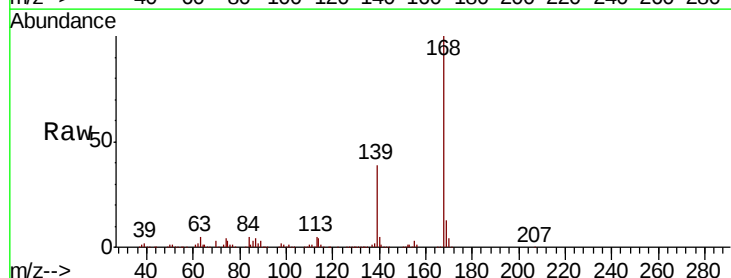
Acq: 14 Aug 2020 18:12

Tgt Ion:168 Resp: 806502

Ion Ratio Lower Upper

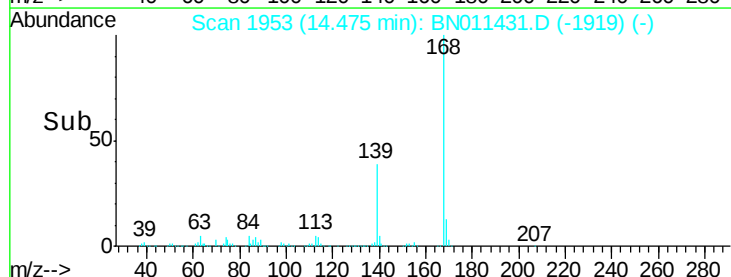
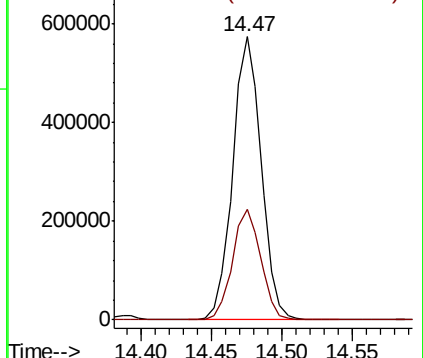
168 100

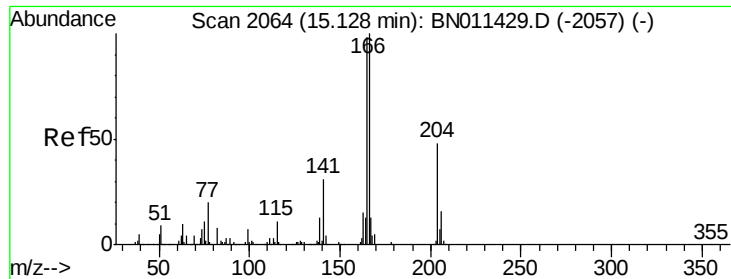
139 39.2 31.1 46.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 34.994 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BN011431.D

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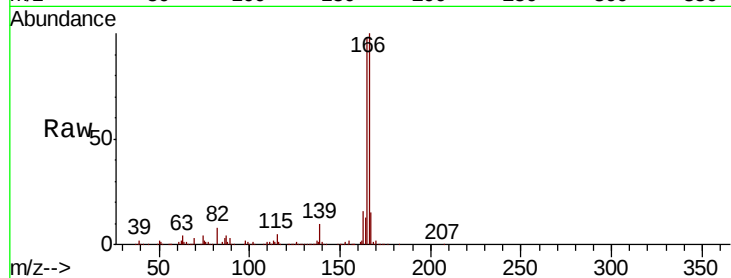
Tot Ion:166 Resp: 910018

Ion Ratio Lower Upper

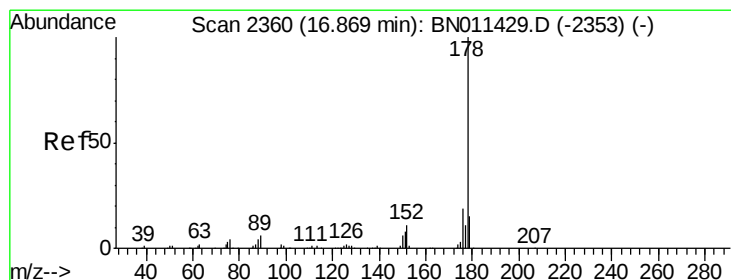
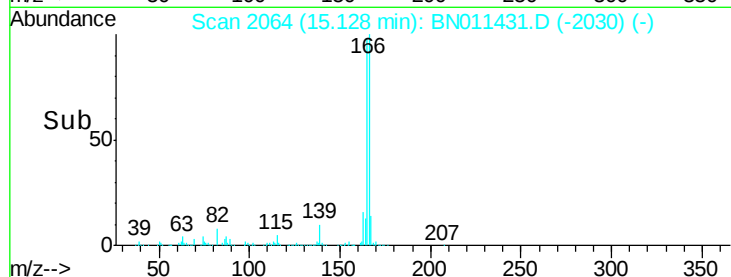
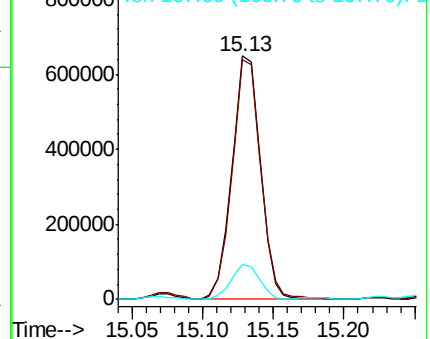
166 100

165 98.3 78.0 117.0

167 14.5 11.9 17.9



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



#70

Phenanthrene

Concen: 272.127 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. 0.01 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

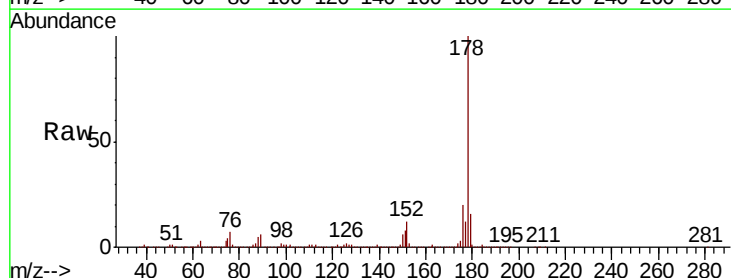
Tgt Ion:178 Resp:11843151

Ion Ratio Lower Upper

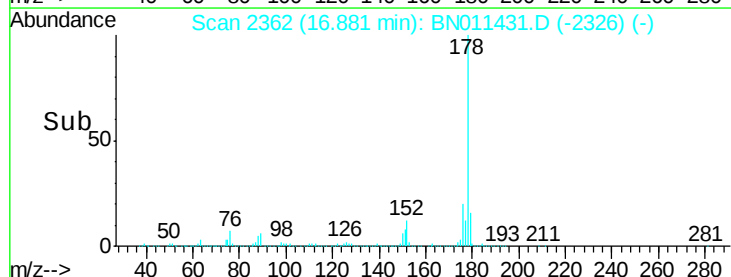
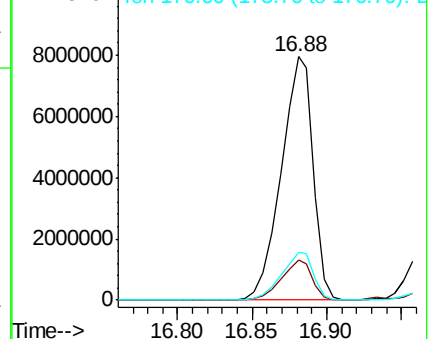
178 100

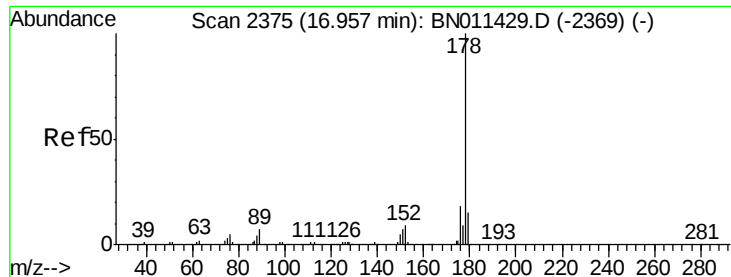
179 16.4 13.1 19.7

176 19.8 15.7 23.5



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





#72

Anthracene

Concen: 48.440 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. 0.01 min

Lab File: BN011431.D

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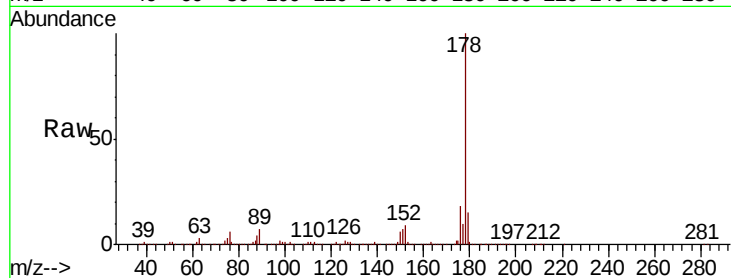
Tot Ion:178 Resp: 2135225

Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.4

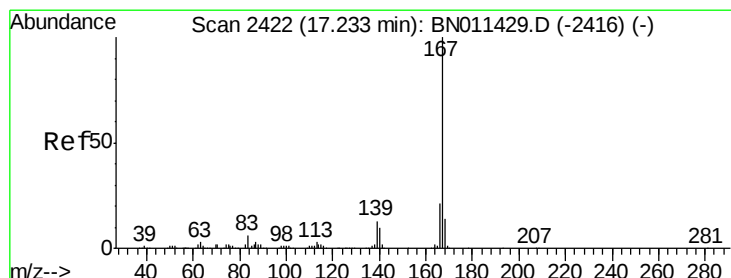
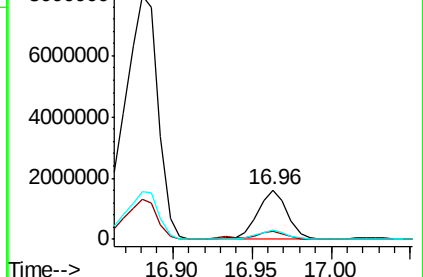
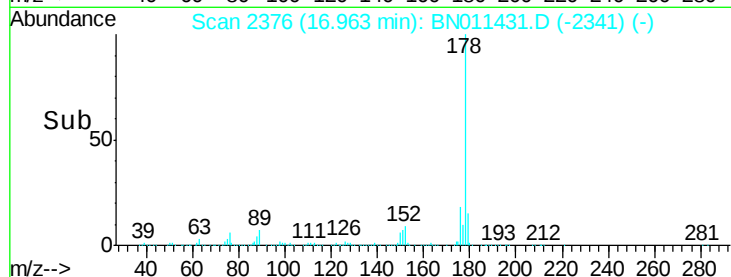
176 17.8 14.6 21.8



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



#75

Carbazole

Concen: 20.079 ng/ul

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

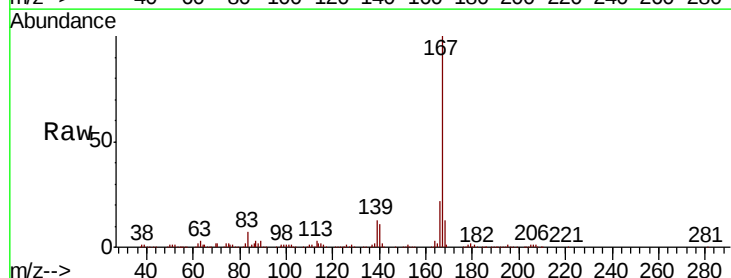
Tgt Ion:167 Resp: 744315

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

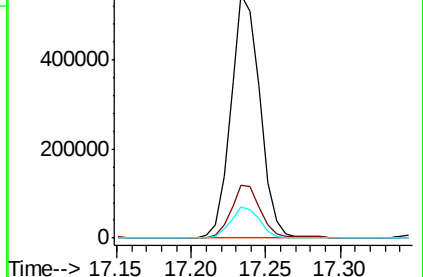
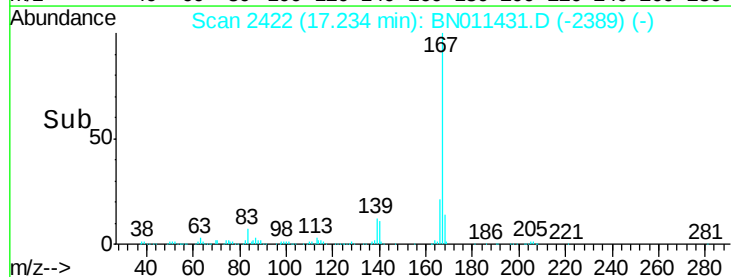
139 12.6 10.2 15.2

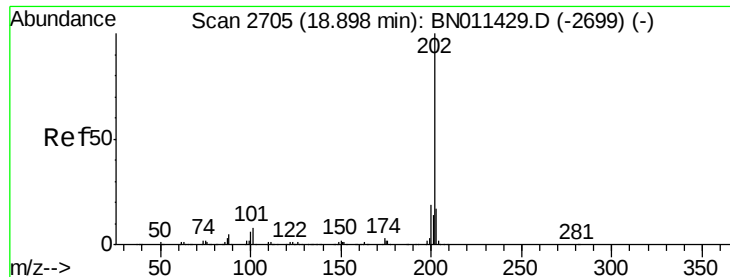


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

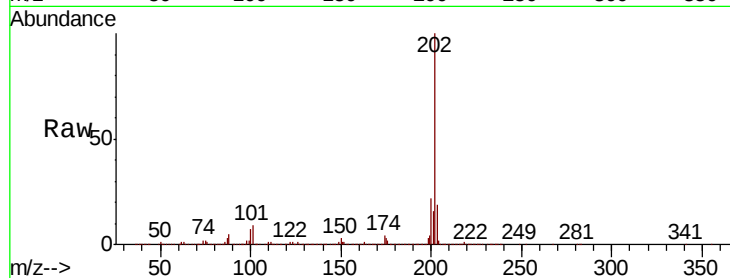




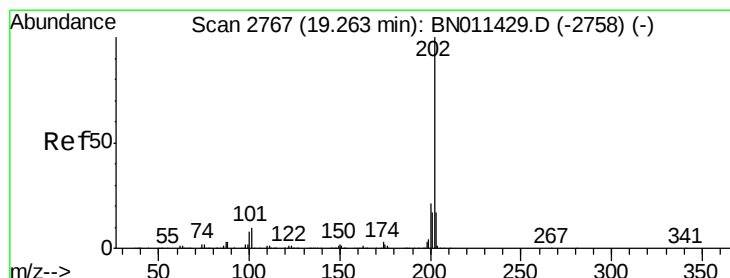
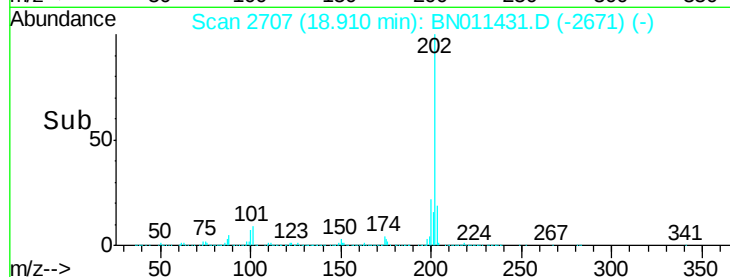
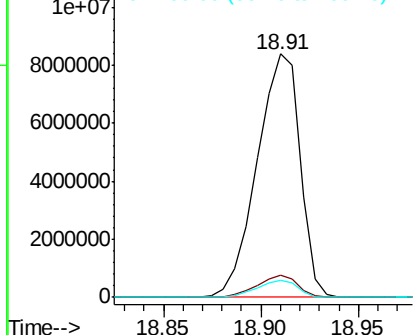
#77
 Fluoranthene
 Concen: 239.958 ng/ul
 RT: 18.91 min Scan# 2707
 Delta R.T. 0.01 min
 Lab File: BN011431.D
 Acq: 14 Aug 2020 18:12

Instrument :
 BNA_N
 ClientSampled :
 BFMM6

Tot Ion:202 Resp:12778853
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.3 10.9
 100 7.2 5.2 7.8

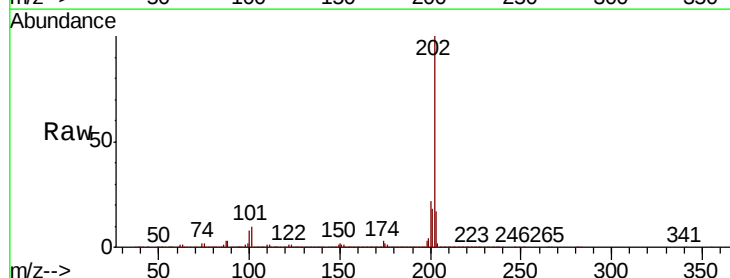


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

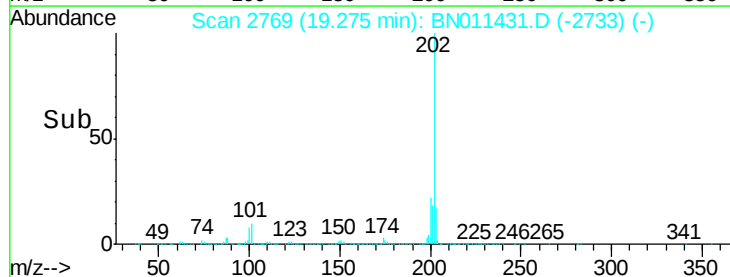
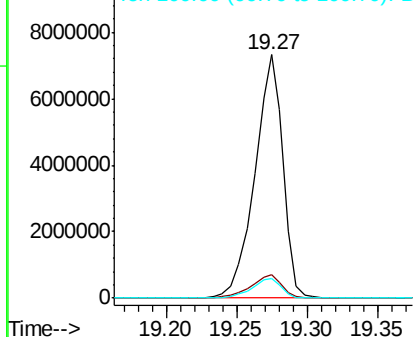


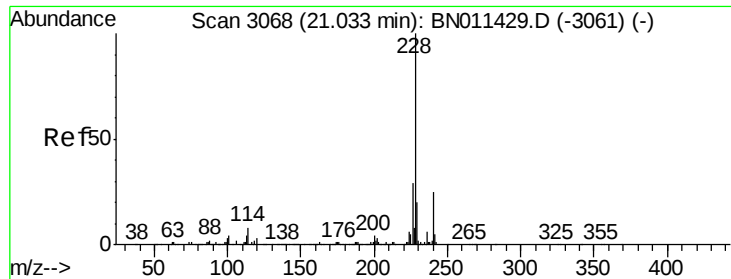
#80
 Pyrene
 Concen: 176.772 ng/ul
 RT: 19.27 min Scan# 2769
 Delta R.T. 0.01 min
 Lab File: BN011431.D
 Acq: 14 Aug 2020 18:12

Tgt Ion:202 Resp:10216977
 Ion Ratio Lower Upper
 202 100
 101 9.6 7.8 11.8
 100 8.1 6.5 9.7



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

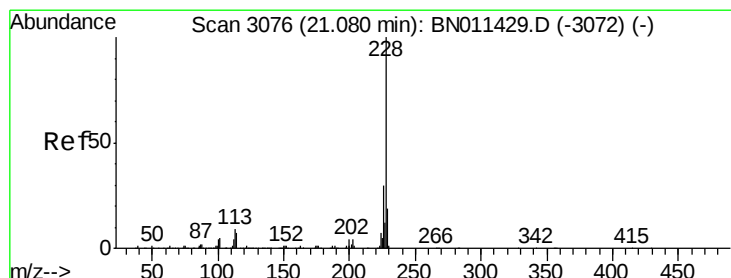
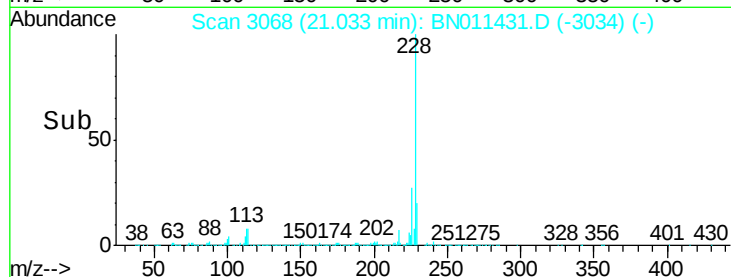
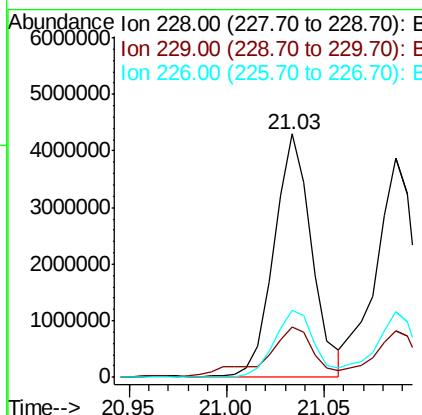
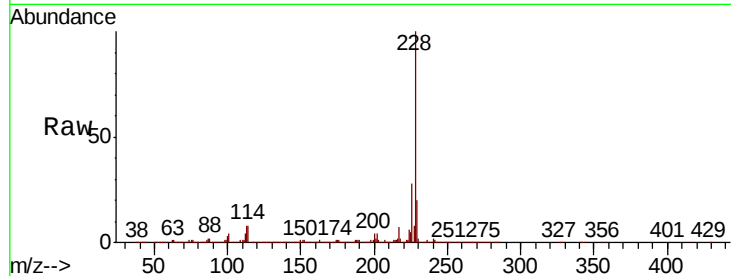




#83
Benzo(a)anthracene
Concen: 104.923 ng/ul
RT: 21.03 min Scan# 3068
Delta R.T. 0.00 min
Lab File: BN011431.D
Acq: 14 Aug 2020 18:12

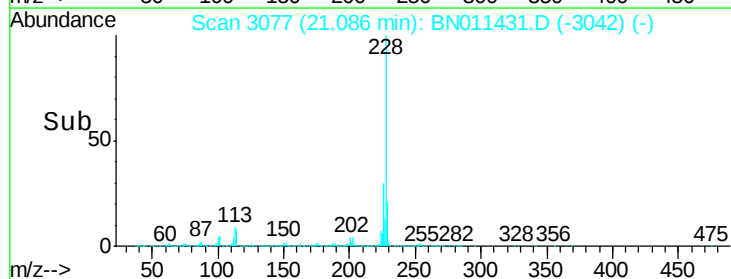
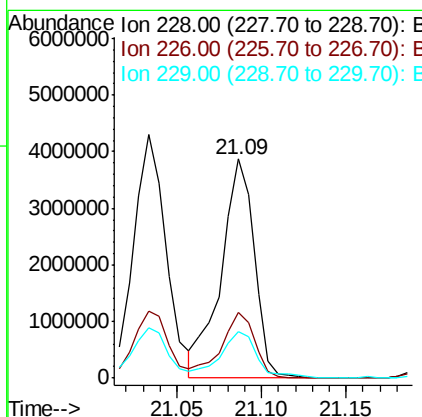
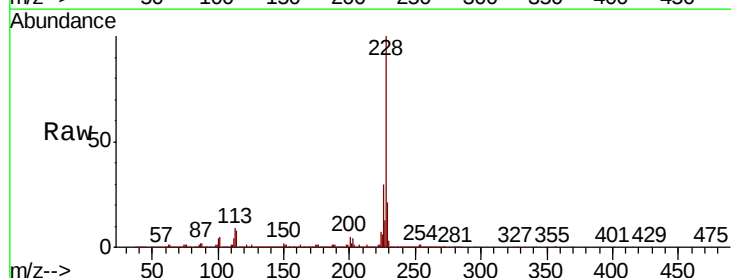
Instrument :
BNA_N
ClientSampleId :
BFMM6

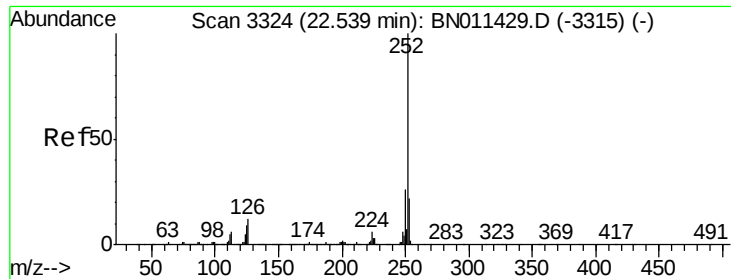
Tot Ion:228 Resp: 5733217
Ion Ratio Lower Upper
228 100
229 20.4 15.0 22.4
226 27.6 21.5 32.3



#85
Chrysene
Concen: 97.618 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.01 min
Lab File: BN011431.D
Acq: 14 Aug 2020 18:12

Tgt Ion:228 Resp: 5298308
Ion Ratio Lower Upper
228 100
226 30.1 23.5 35.3
229 21.3 15.0 22.6





#88

Benzo(b)fluoranthene

Concen: 101.413 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. 0.01 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

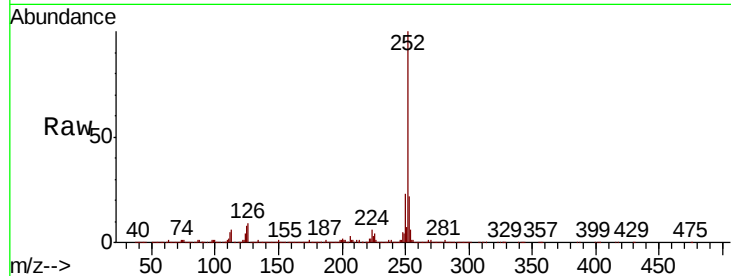
Tot Ion:252 Resp: 6230006

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

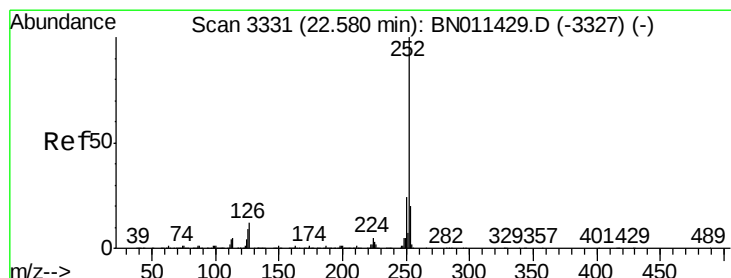
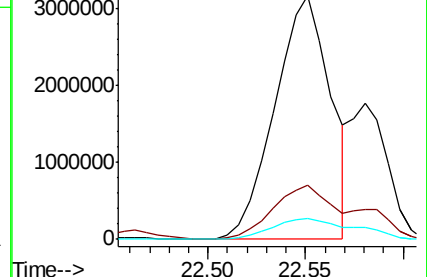
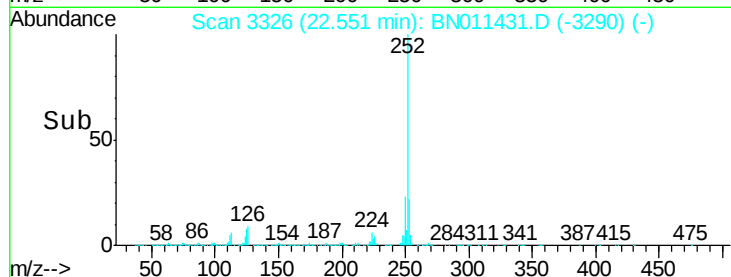
125 8.4 6.6 9.8



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



#89

Benzo(k)fluoranthene

Concen: 36.968 ng/ul

RT: 22.58 min Scan# 3331

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

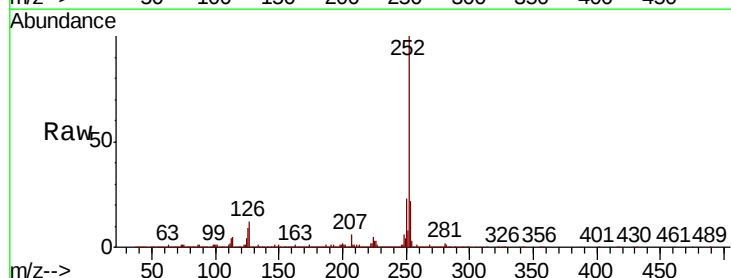
Tgt Ion:252 Resp: 2255481

Ion Ratio Lower Upper

252 100

253 22.2 15.8 23.6

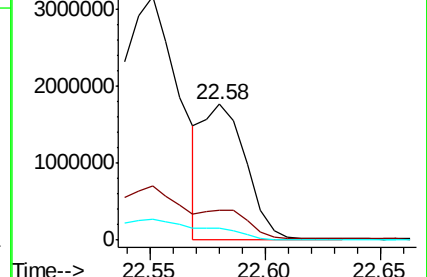
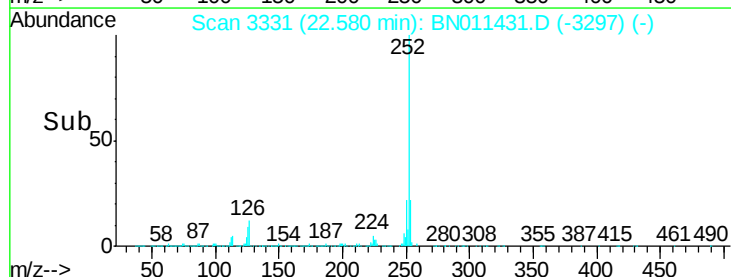
125 9.0 6.0 9.0

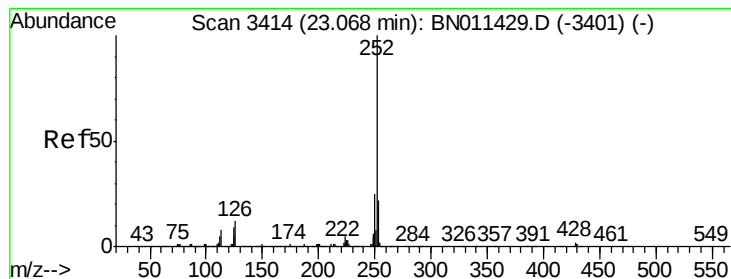


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 74.094 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

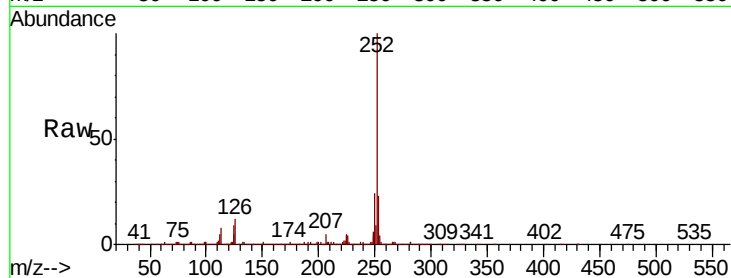
Tot Ion:252 Resp: 4193838

Ion Ratio Lower Upper

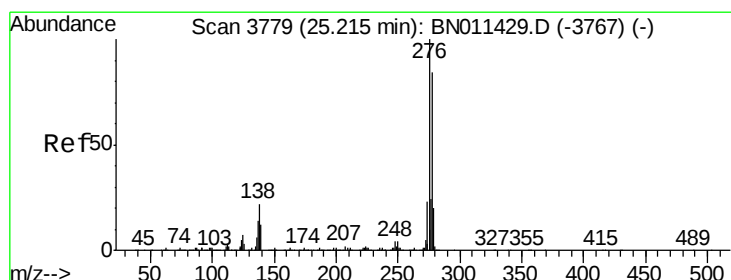
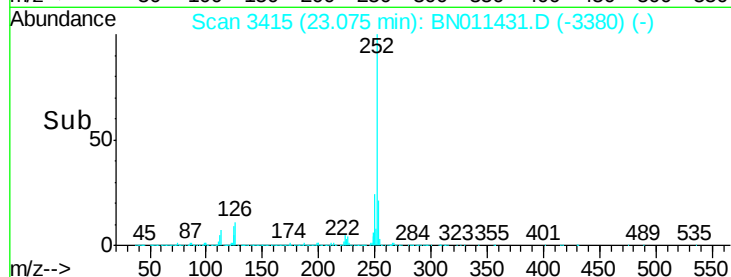
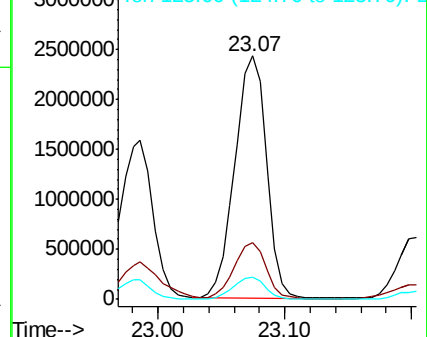
252 100

253 23.3 16.6 25.0

125 9.2 7.1 10.7



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 40.107 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. 0.01 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

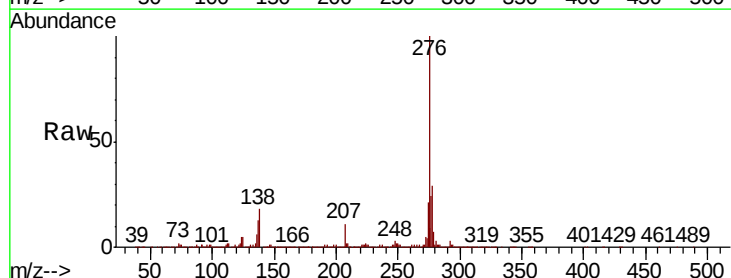
Tgt Ion:276 Resp: 2909641

Ion Ratio Lower Upper

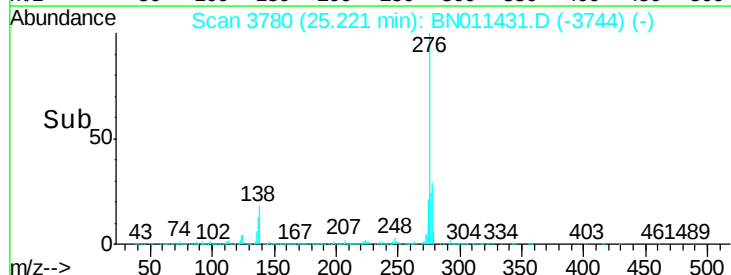
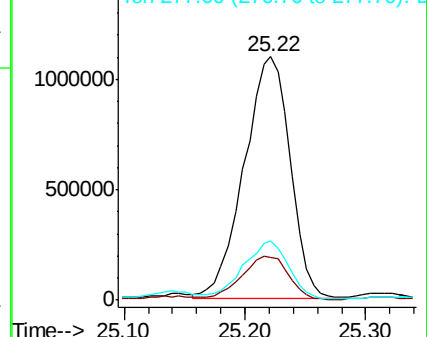
276 100

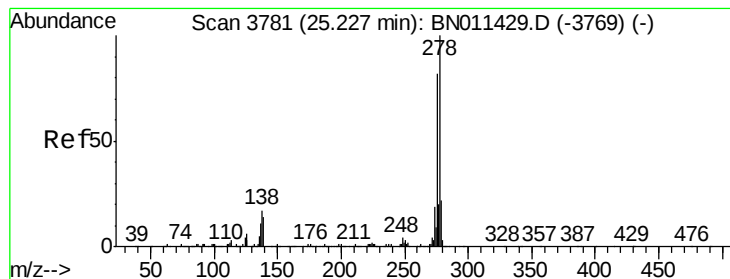
138 17.7 17.0 25.4

277 24.2 18.1 27.1



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





#93

Dibenzo(a,h)anthracene

Concen: 13.904 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

Instrument :

BNA_N

ClientSampleId :

BFMM6

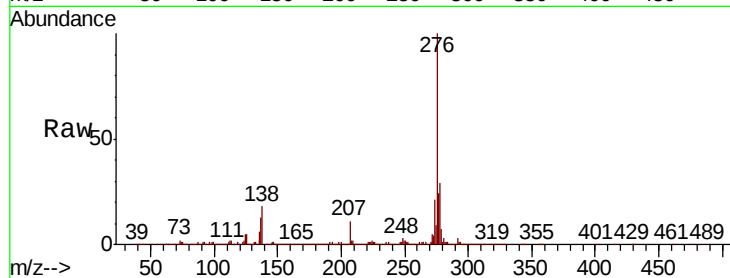
Tot Ion:278 Resp: 844481

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

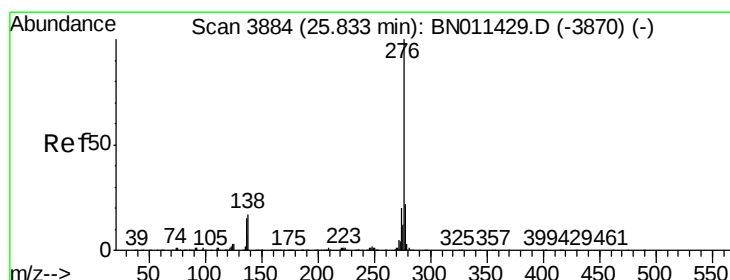
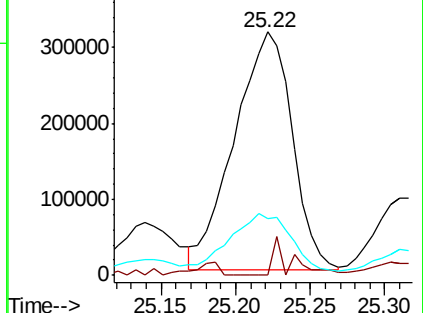
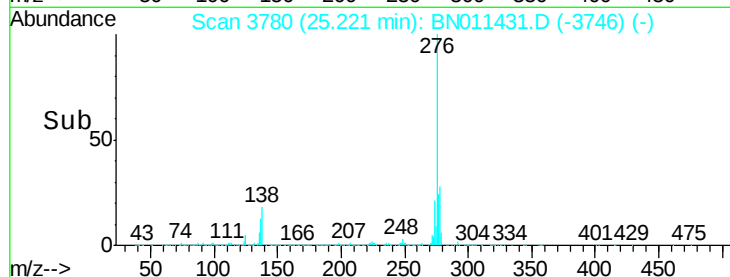
279 23.1 19.3 28.9



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



#94

Benzo(g,h,i)perylene

Concen: 39.471 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. 0.02 min

Lab File: BN011431.D

Acq: 14 Aug 2020 18:12

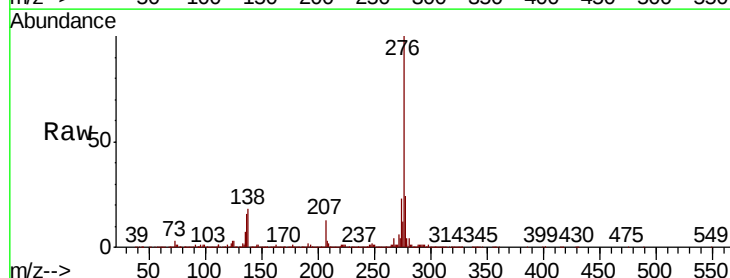
Tgt Ion:276 Resp: 2373884

Ion Ratio Lower Upper

276 100

138 17.5 15.3 22.9

277 24.1 16.2 24.4



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

