

Data File : BN005991.D
Acq On : 31 May 2019 21:46
Operator : JU/SJ
Sample : K2928-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42C4

Quant Time: Jun 01 01:54:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	545539	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2169522	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	1023494	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1821760	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1372791	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1679694	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	41777	3.37	ng/uL	0.01
5) Phenol-d5	6.92	99	768277	15.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	488223	17.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	648949	17.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	594484	15.23	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	320745	23.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	330423	25.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	570051	18.62	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	209488	5.22	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	1557393	20.64	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1827499	19.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	161008	11.73	ng/ul	0.00
57) Fluorene-d10	15.40	176	1169191	18.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	25170	3.39	ng/ul	0.00
70) Anthracene-d10	17.26	188	1497647	19.32	ng/ul	0.00
78) Pyrene-d10	19.56	212	1416295	20.43	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	1407780	18.78	ng/ul	0.00

Target Compounds

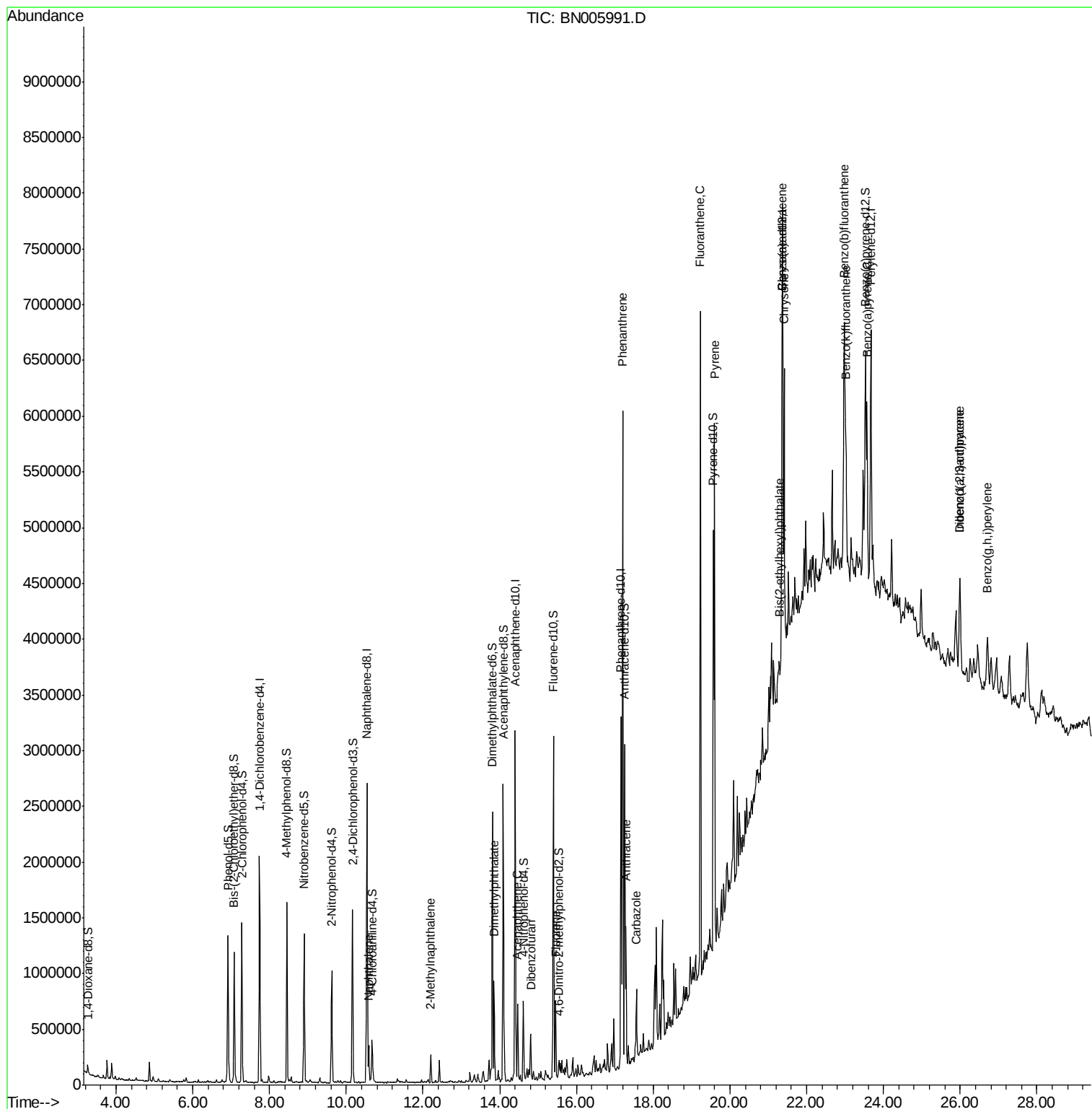
					Qvalue	
28) Naphthalene	10.59	128	251287	2.441	ng/ul	98
34) 2-Methylnaphthalene	12.21	142	115996	1.529	ng/ul	96
44) Dimethylphthalate	13.86	163	551410	7.312	ng/ul	99
49) Acenaphthene	14.47	153	265175	4.217	ng/ul	99
53) Dibenzofuran	14.80	168	222428	2.506	ng/ul	98
58) Fluorene	15.46	166	302611	4.341	ng/ul	96
69) Phenanthrene	17.21	178	3506176	38.845	ng/ul	99
71) Anthracene	17.29	178	774528	8.452	ng/ul	98
74) Carbazole	17.56	167	384112	4.653	ng/ul	99
76) Fluoranthene	19.23	202	3432850	35.626	ng/ul	97
79) Pyrene	19.59	202	2912885	33.497	ng/ul	96
82) Benzo(a)anthracene	21.36	228	1437904	16.662	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.28	149	63609	1.123	ng/ul#	95
84) Chrysene	21.41	228	1448912	18.002	ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	1617438	17.144	ng/ul#	95
88) Benzo(k)fluoranthene	23.02	252	592680	6.833	ng/ul#	89
90) Benzo(a)pyrene	23.57	252	1167851	13.127	ng/ul#	94
91) Indeno(1,2,3-cd)pyrene	26.00	276	778751	7.460	ng/ul	97
92) Dibenzo(a,h)anthracene	25.99	278	223987	2.577	ng/ul#	77
93) Benzo(g,h,i)perylene	26.71	276	619561	7.046	ng/ul	94

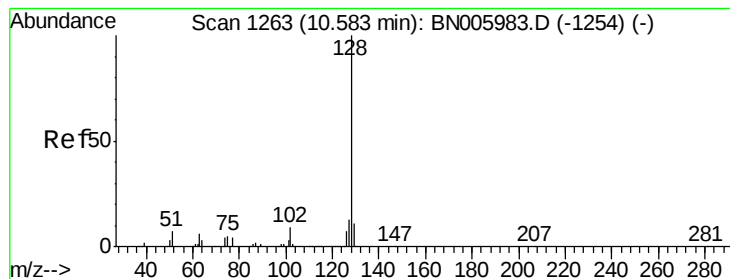
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 2.441 ng/ul

RT: 10.59 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Instrument :

BNA_N

ClientSampleId :

A42C4

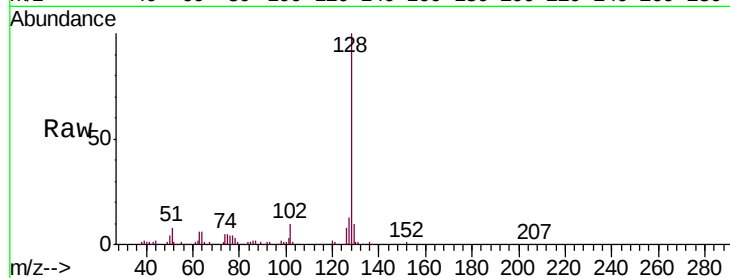
Tgt Ion:128 Resp: 251287

Ion Ratio Lower Upper

128 100

129 10.4 9.2 13.8

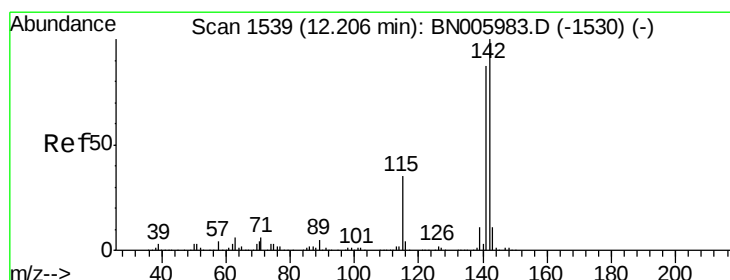
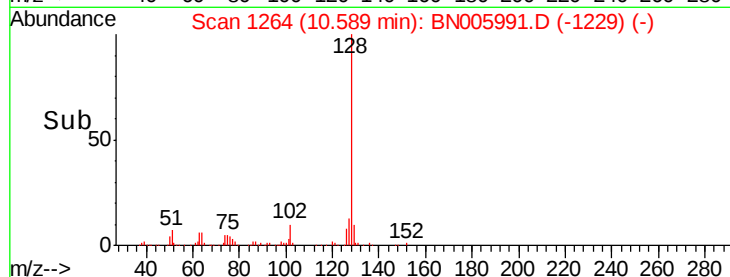
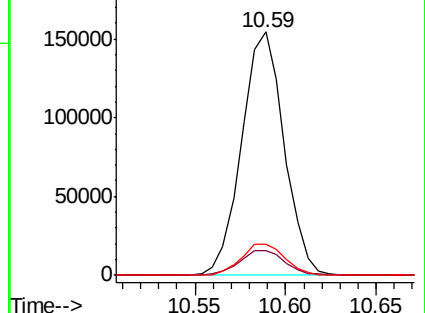
127 12.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.529 ng/ul

RT: 12.21 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BN005991.D

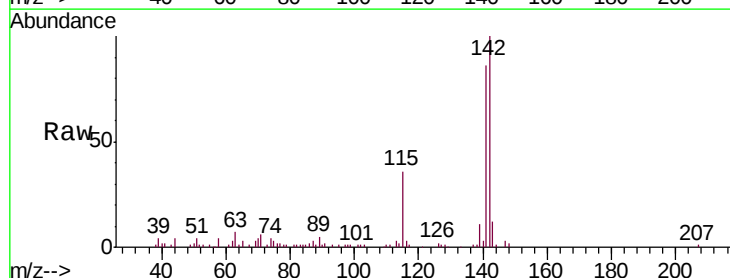
Acq: 31 May 2019 21:46

Tgt Ion:142 Resp: 115996

Ion Ratio Lower Upper

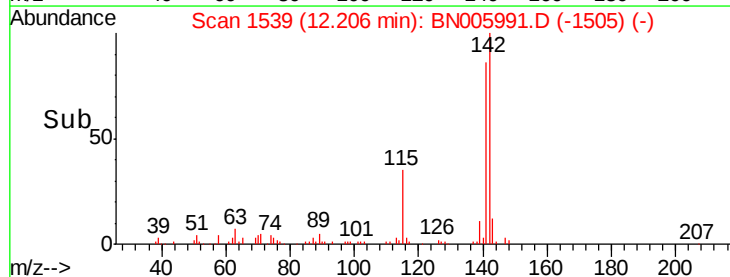
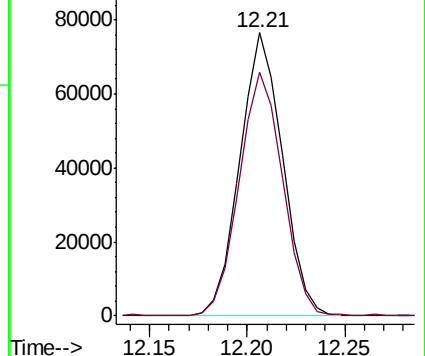
142 100

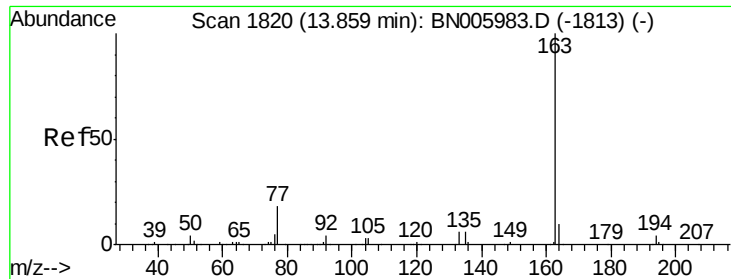
141 86.3 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 7.312 ng/ul

RT: 13.86 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Instrument :

BNA_N

ClientSampled :

A42C4

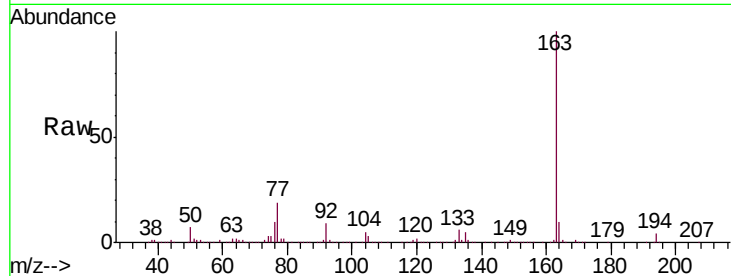
Tgt Ion:163 Resp: 551410

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

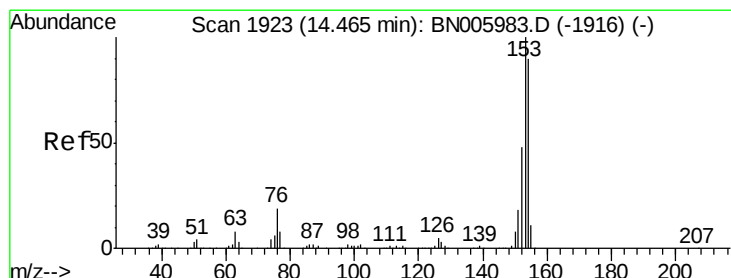
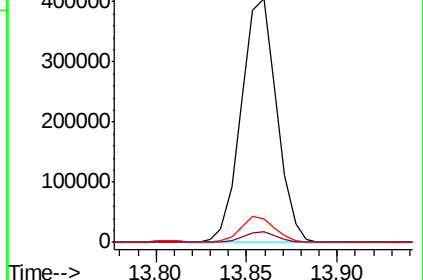
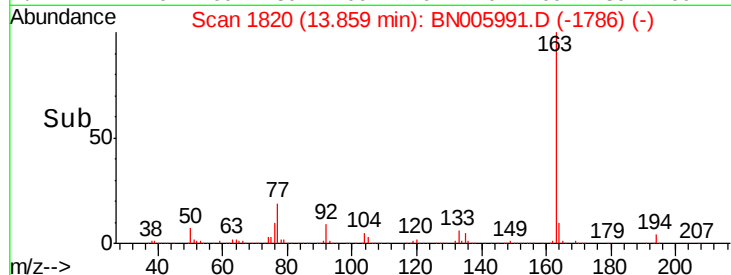
164 9.7 8.1 12.1



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



#49

Acenaphthene

Concen: 4.217 ng/ul

RT: 14.47 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

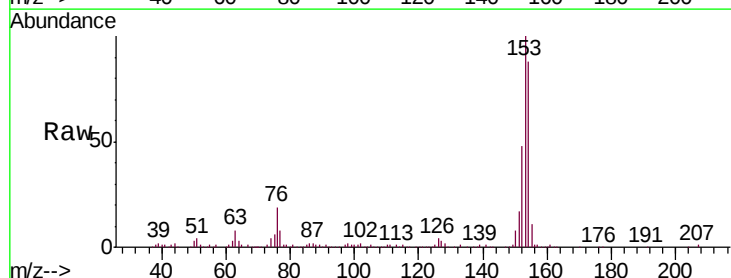
Tgt Ion:153 Resp: 265175

Ion Ratio Lower Upper

153 100

152 47.6 37.4 56.0

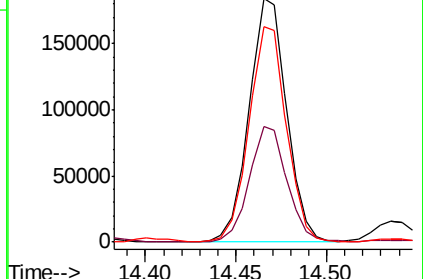
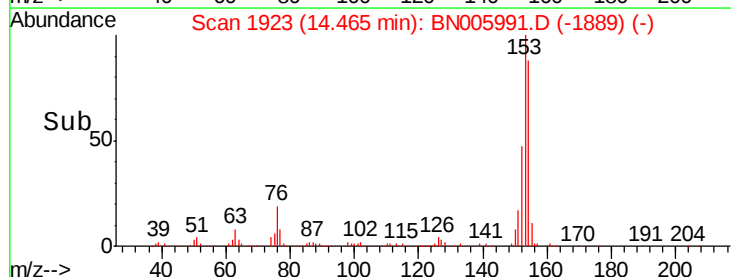
154 88.5 71.2 106.8

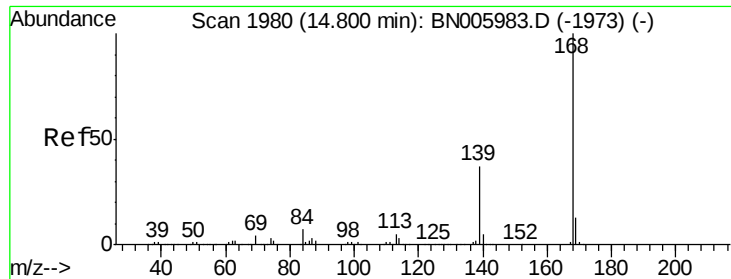


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

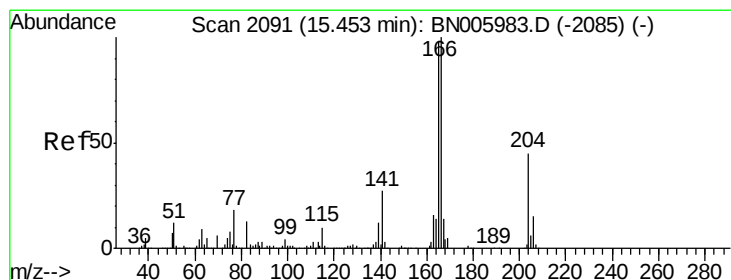
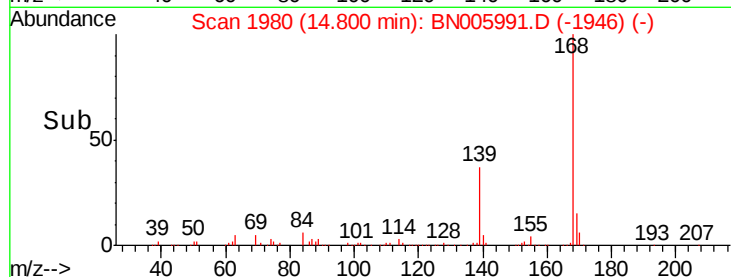
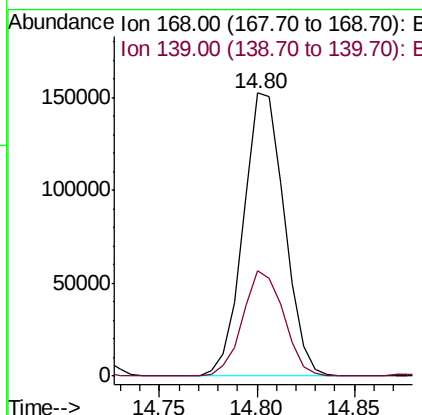
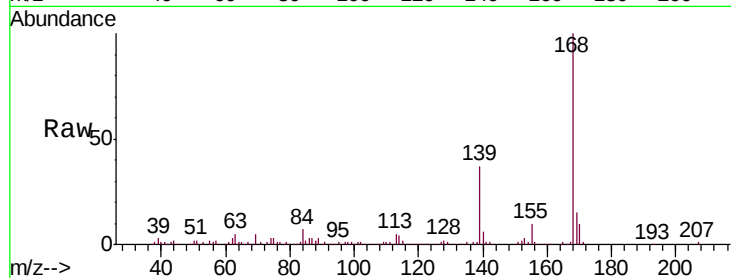




#53
Dibenzenofuran
Concen: 2.506 ng/ul
RT: 14.80 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BN005991.D
Acq: 31 May 2019 21:46

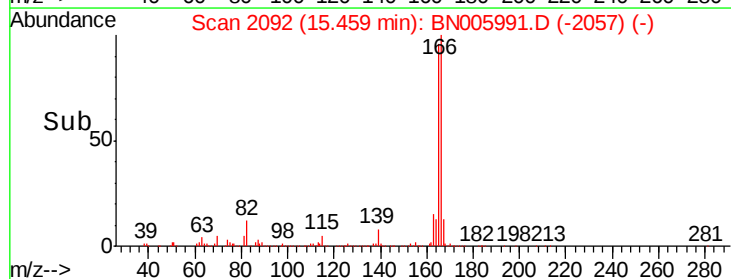
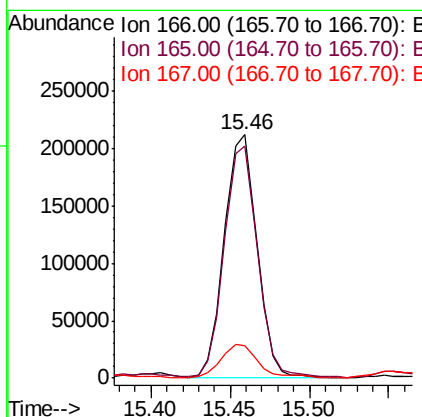
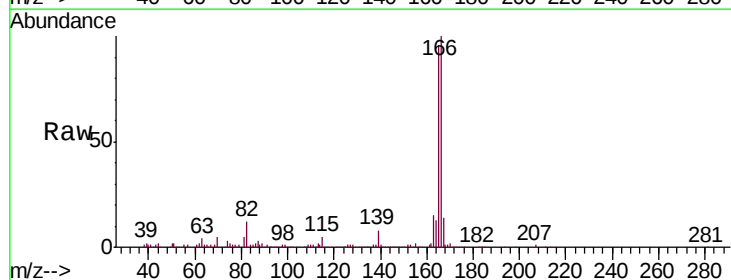
Instrument :
BNA_N
ClientSampleId :
A42C4

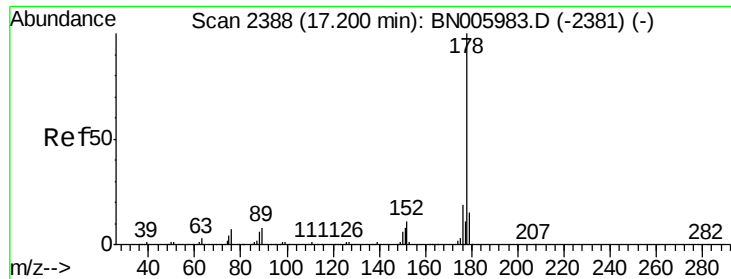
Tgt Ion:168 Resp: 222428
Ion Ratio Lower Upper
168 100
139 37.5 30.9 46.3



#58
Fluorene
Concen: 4.341 ng/ul
RT: 15.46 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005991.D
Acq: 31 May 2019 21:46

Tgt Ion:166 Resp: 302611
Ion Ratio Lower Upper
166 100
165 95.6 80.0 120.0
167 13.5 10.7 16.1





#69

Phenanthrene

Concen: 38.845 ng/ul

RT: 17.21 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Instrument :

BNA_N

ClientSampleId :

A42C4

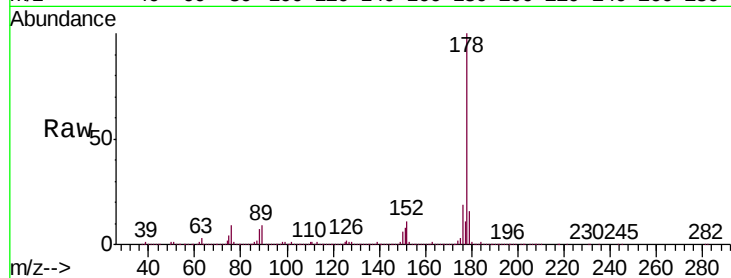
Tgt Ion:178 Resp: 3506176

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

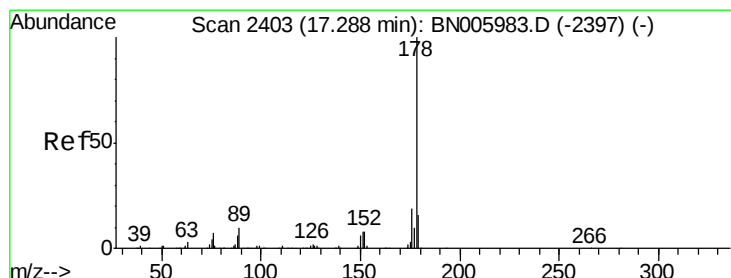
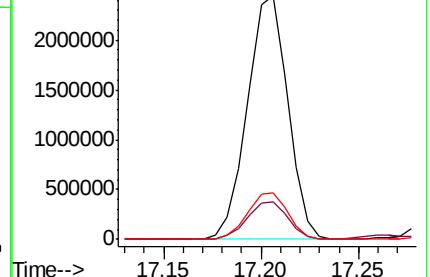
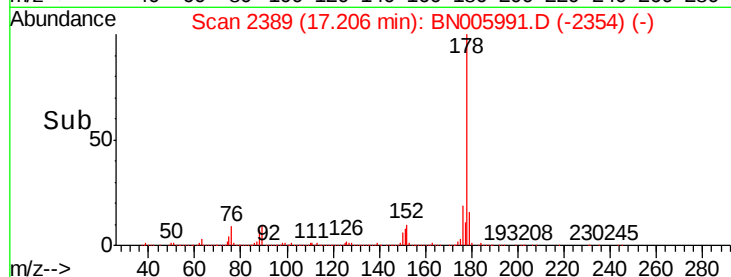
176 19.3 15.1 22.7



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



#71

Anthracene

Concen: 8.452 ng/ul

RT: 17.29 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

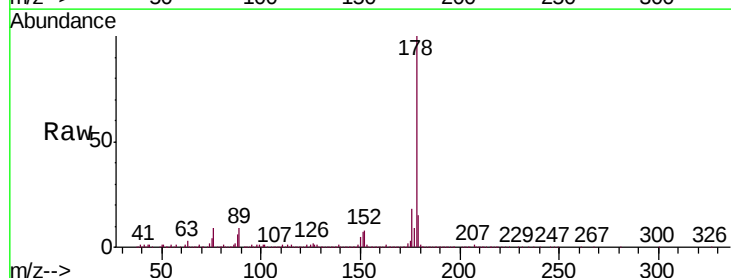
Tgt Ion:178 Resp: 774528

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

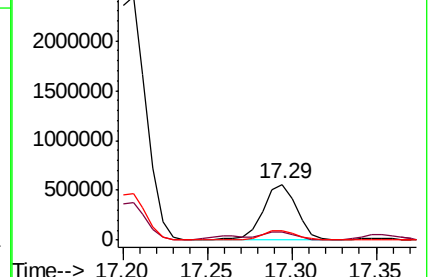
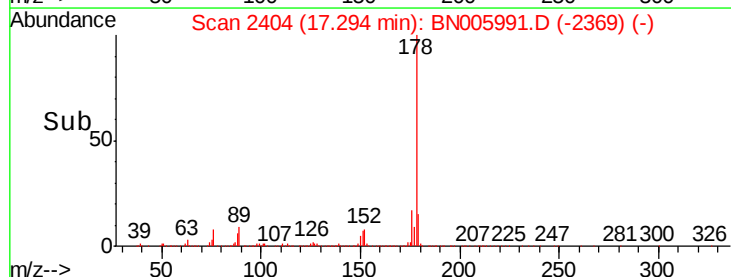
176 17.5 15.1 22.7

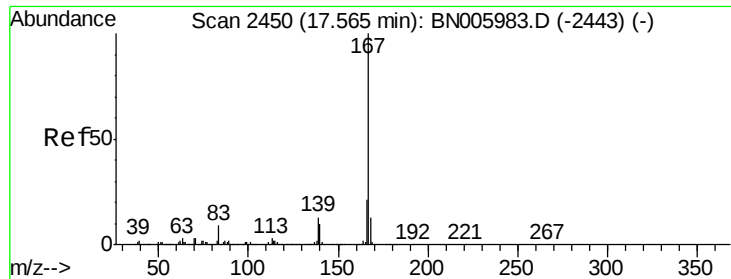


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 4.653 ng/ul

RT: 17.56 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

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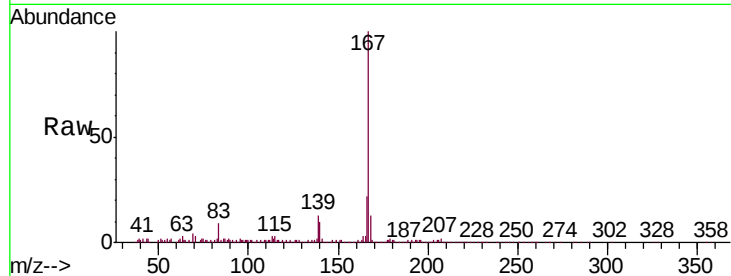
Tgt Ion:167 Resp: 384112

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

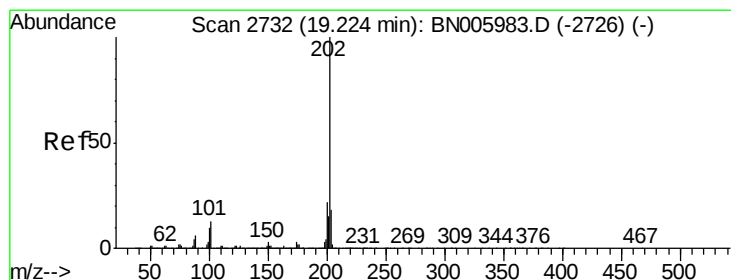
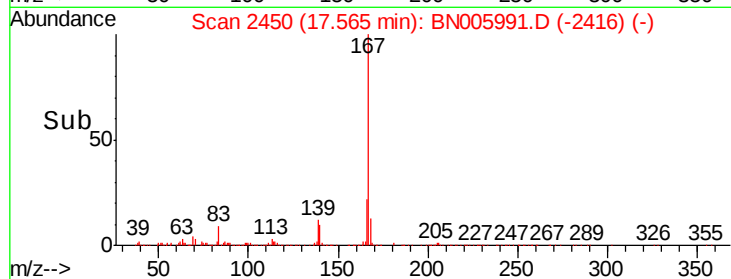
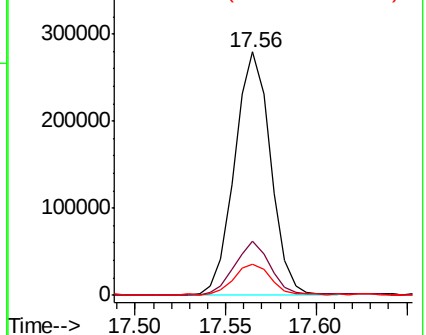
139 12.6 10.6 16.0



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



#76

Fluoranthene

Concen: 35.626 ng/ul

RT: 19.23 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

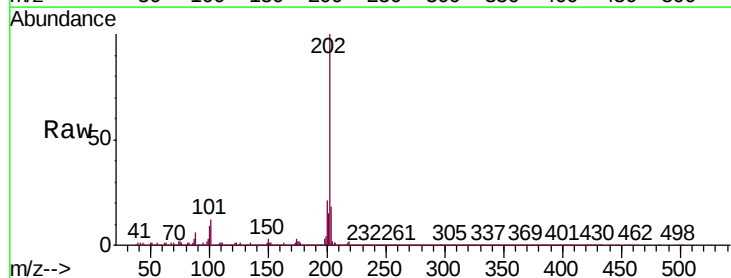
Tgt Ion:202 Resp: 3432850

Ion Ratio Lower Upper

202 100

101 12.1 8.6 12.8

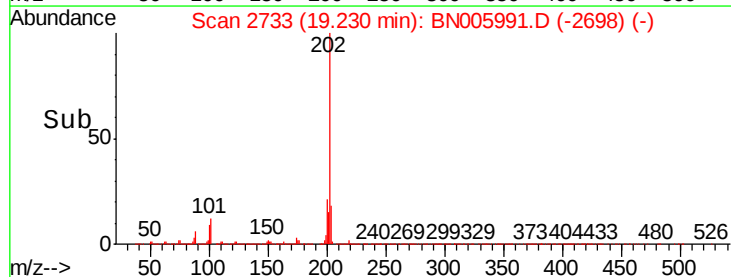
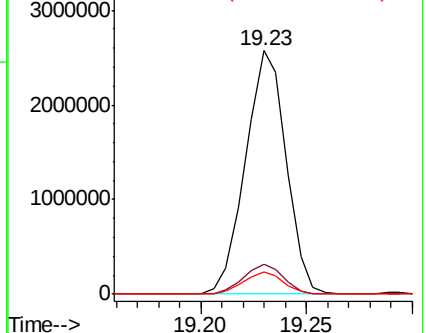
100 9.0 6.3 9.5

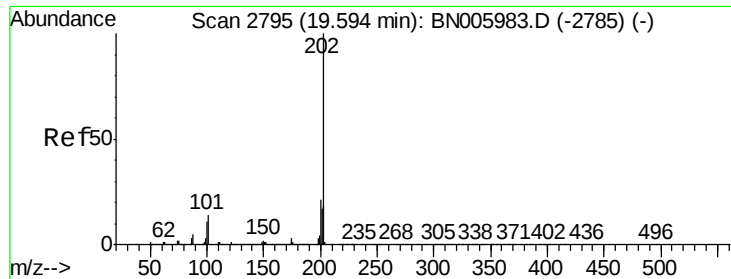


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 33.497 ng/ul

RT: 19.59 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

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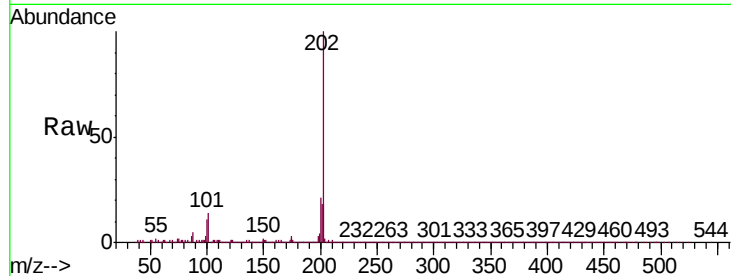
Tgt Ion:202 Resp: 2912885

Ion Ratio Lower Upper

202 100

101 14.3 10.3 15.5

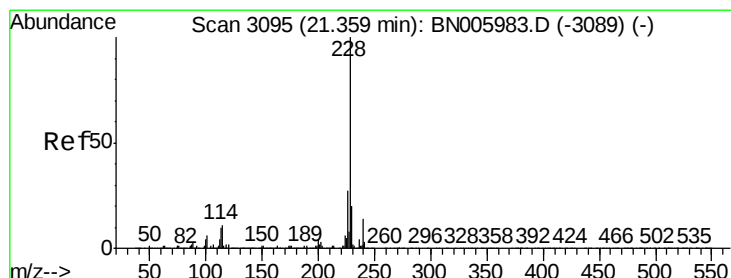
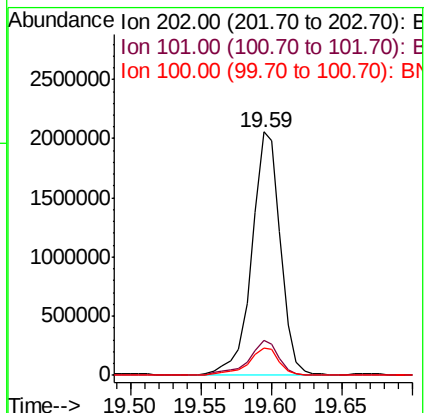
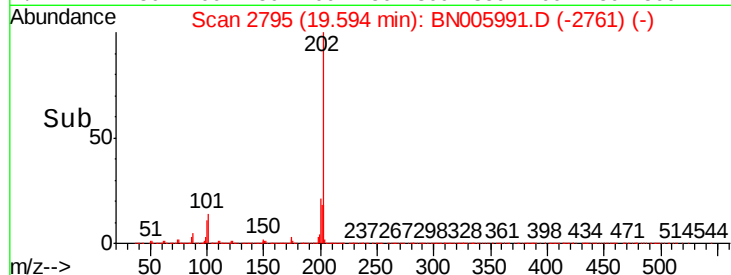
100 11.4 7.9 11.9



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: 16.662 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

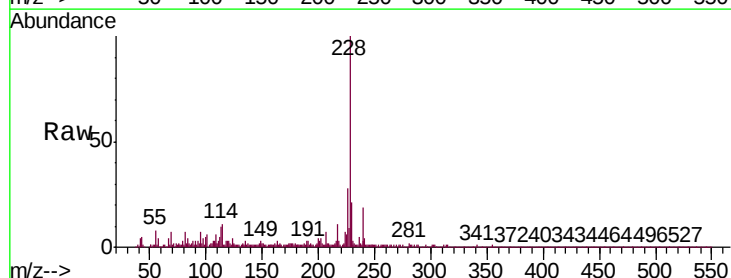
Tgt Ion:228 Resp: 1437904

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

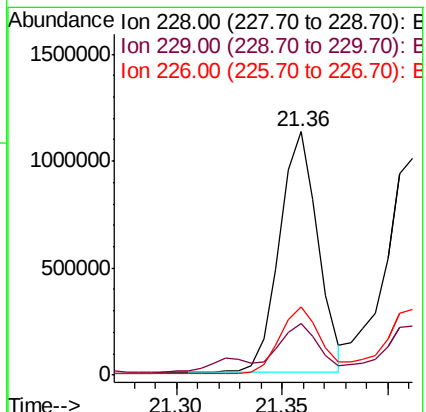
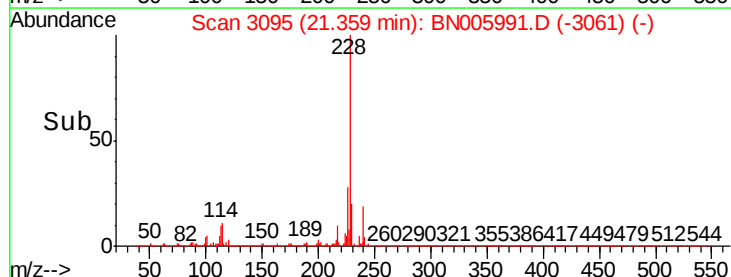
226 28.2 21.4 32.2

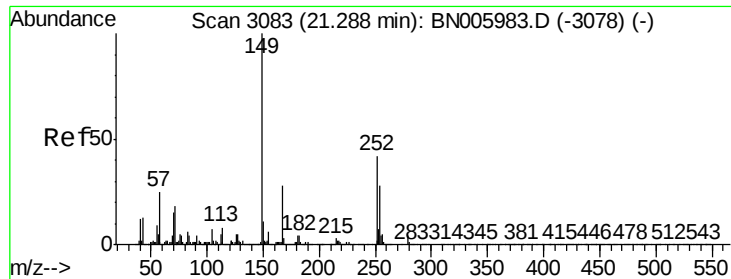


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

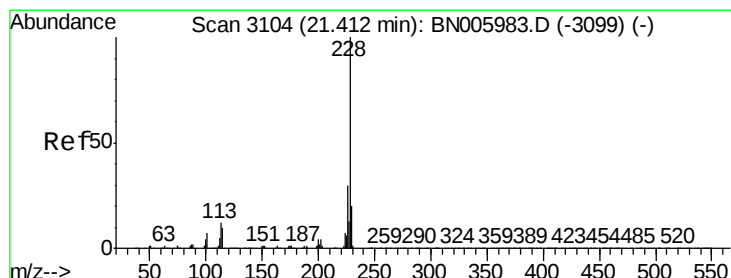
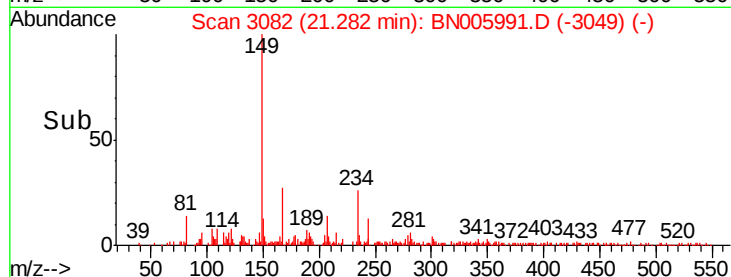
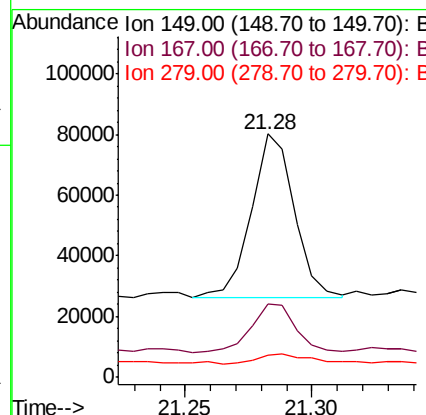
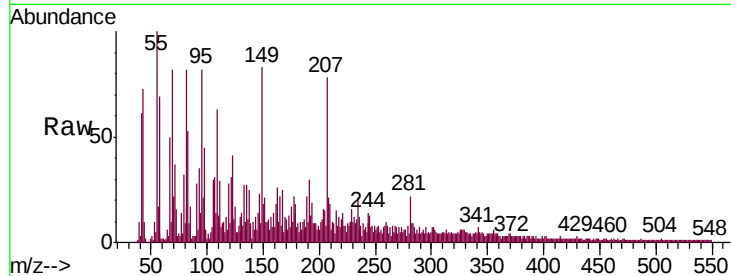




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.123 ng/ul
 RT: 21.28 min Scan# 3082
 Delta R.T. -0.01 min
 Lab File: BN005991.D
 Acq: 31 May 2019 21:46

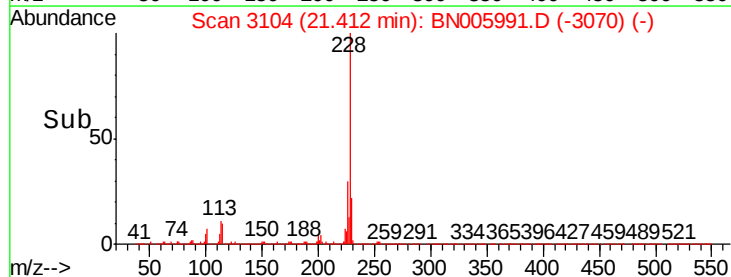
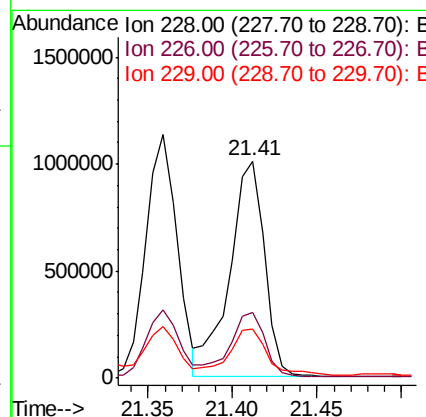
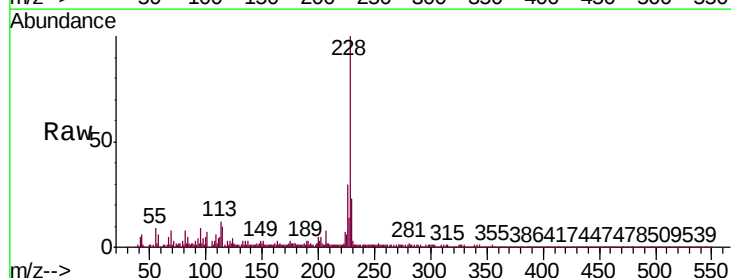
Instrument :
 BNA_N
 ClientSampleId :
 A42C4

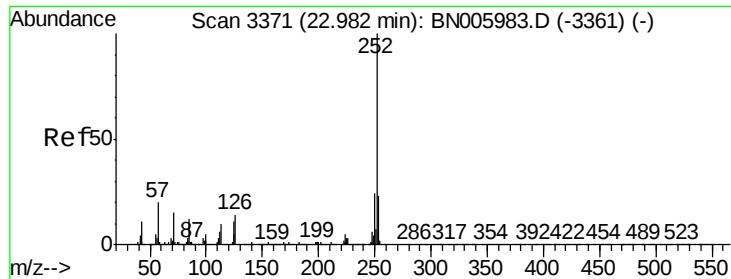
Tgt Ion:149 Resp: 63609
 Ion Ratio Lower Upper
 149 100
 167 29.9 22.3 33.5
 279 9.1 3.3 4.9#



#84
 Chrysene
 Concen: 18.002 ng/ul
 RT: 21.41 min Scan# 3104
 Delta R.T. -0.00 min
 Lab File: BN005991.D
 Acq: 31 May 2019 21:46

Tgt Ion:228 Resp: 1448912
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.0 36.0
 229 22.8 15.4 23.0

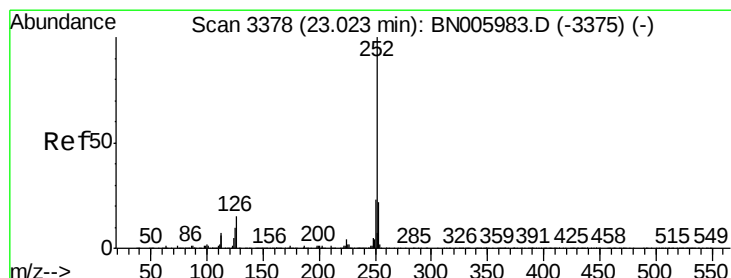
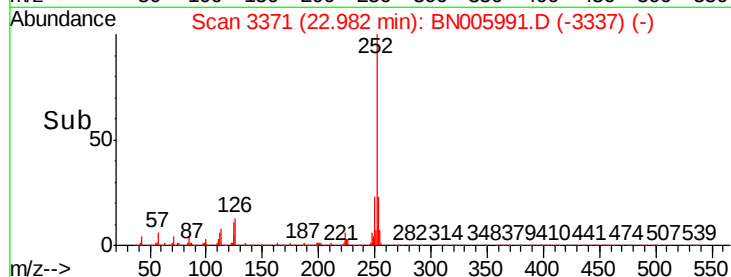
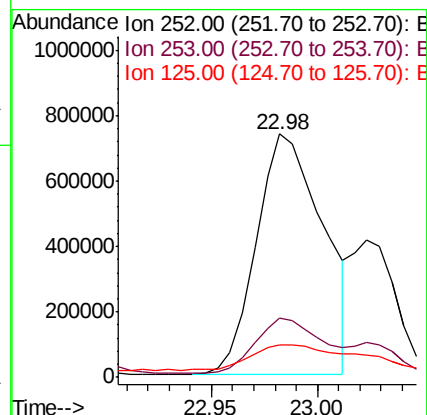
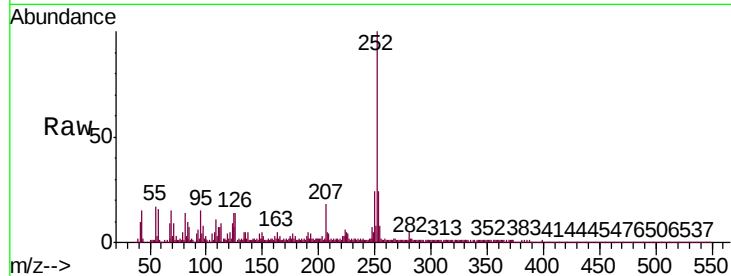




#87
Benzo(b)fluoranthene
Concen: 17.144 ng/ul
RT: 22.98 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BN005991.D
Acq: 31 May 2019 21:46

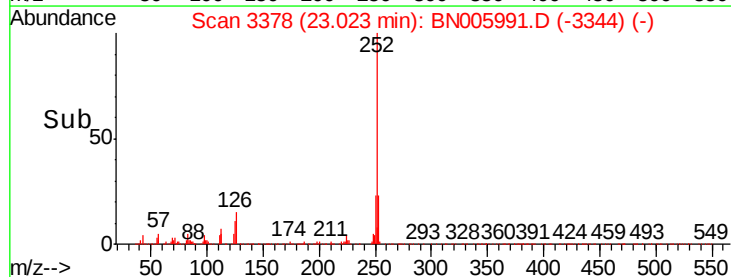
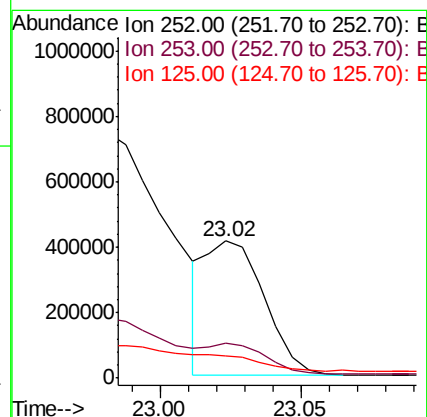
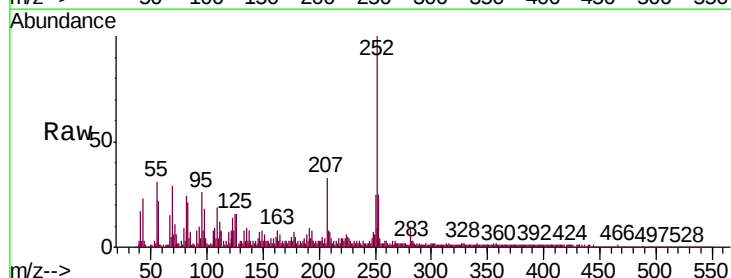
Instrument :
BNA_N
ClientSampleId :
A42C4

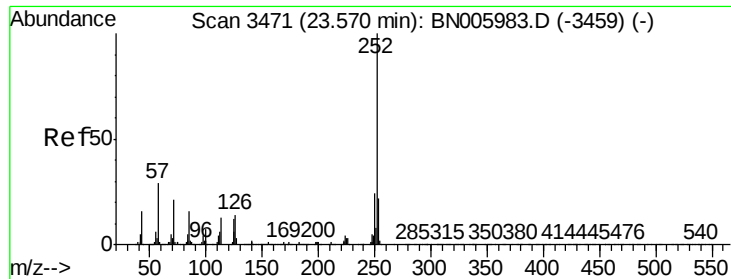
Tgt Ion:252 Resp: 1617438
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 13.5 8.4 12.6#



#88
Benzo(k)fluoranthene
Concen: 6.833 ng/ul
RT: 23.02 min Scan# 3378
Delta R.T. -0.00 min
Lab File: BN005991.D
Acq: 31 May 2019 21:46

Tgt Ion:252 Resp: 592680
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 16.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 13.127 ng/ul

RT: 23.57 min Scan# 3471

Delta R.T. -0.00 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Instrument :

BNA_N

ClientSampleId :

A42C4

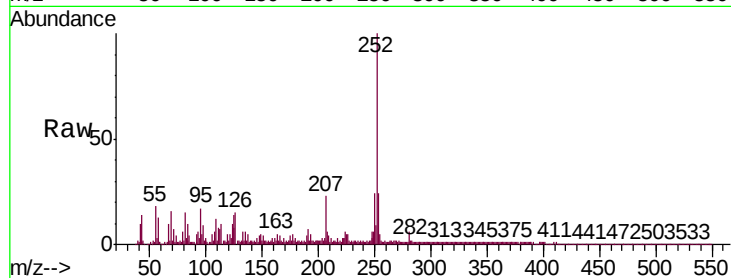
Tgt Ion:252 Resp: 1167851

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 14.3 8.6 13.0#

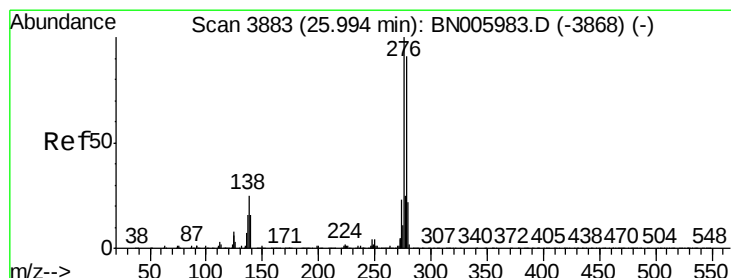
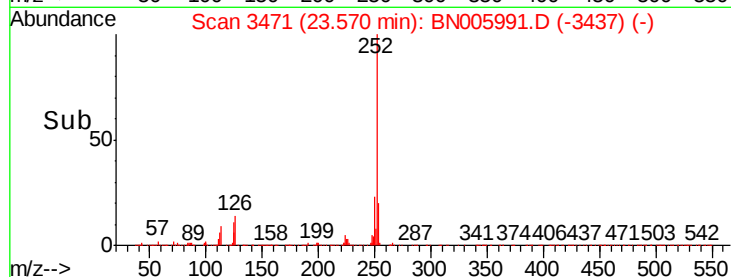
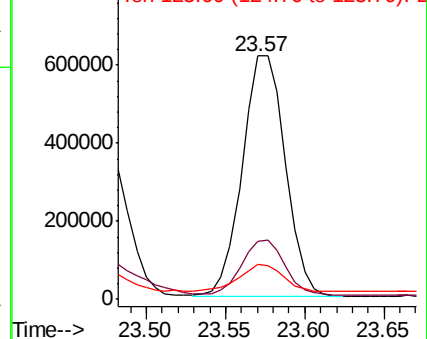


Abundance

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: 7.460 ng/ul

RT: 26.00 min Scan# 3884

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

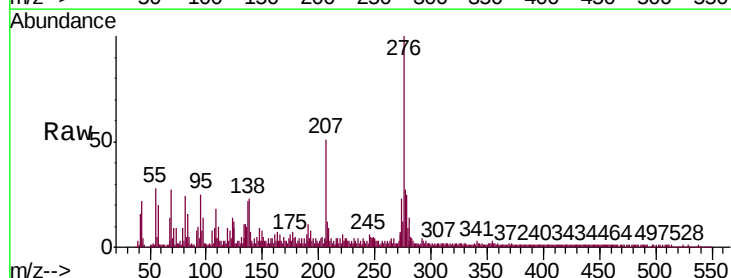
Tgt Ion:276 Resp: 778751

Ion Ratio Lower Upper

276 100

138 23.3 17.9 26.9

277 26.6 19.7 29.5

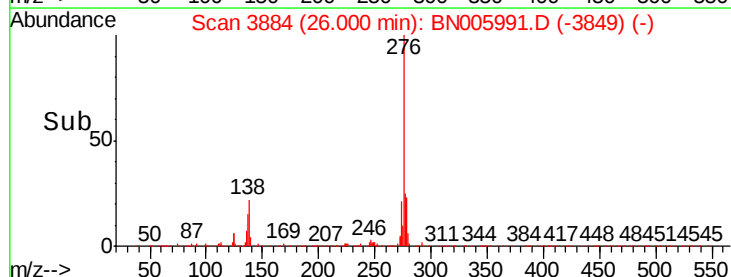
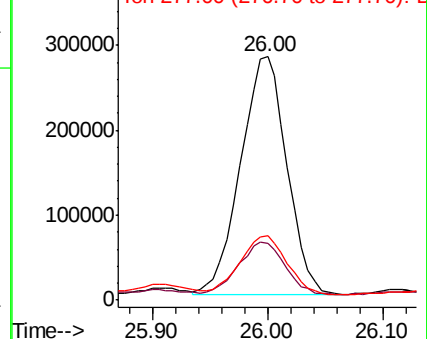


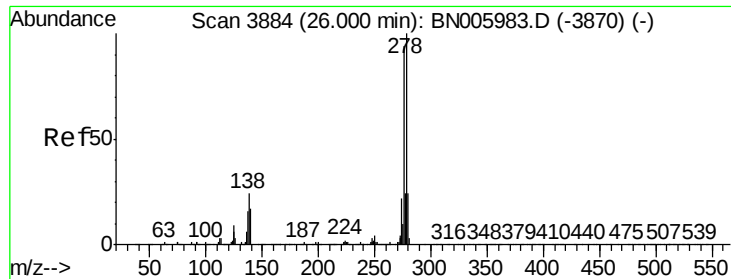
Abundance

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: 2.577 ng/ul

RT: 25.99 min Scan# 3883

Delta R.T. -0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Instrument :

BNA_N

ClientSampleId :

A42C4

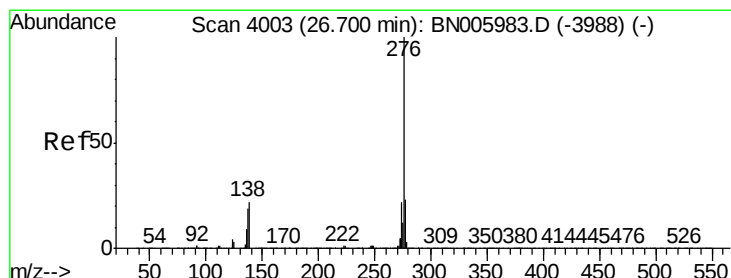
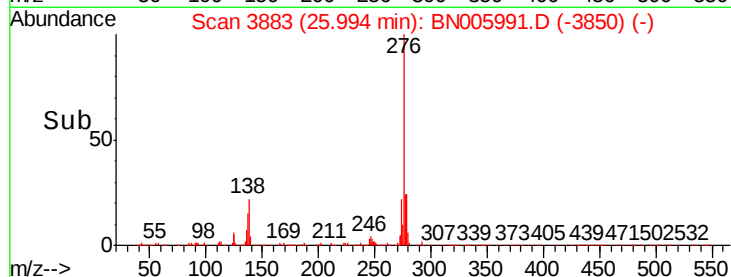
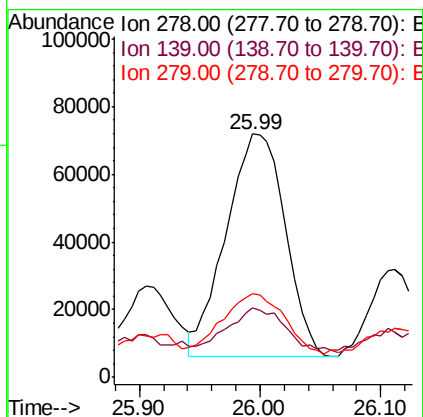
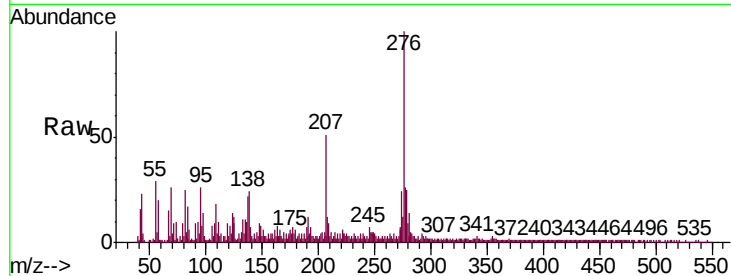
Tgt Ion:278 Resp: 223987

Ion Ratio Lower Upper

278 100

139 28.6 13.1 19.7#

279 34.1 19.4 29.0#



#93

Benzo(g,h,i)perylene

Concen: 7.046 ng/ul

RT: 26.71 min Scan# 4004

Delta R.T. 0.01 min

Lab File: BN005991.D

Acq: 31 May 2019 21:46

Tgt Ion:276 Resp: 619561

Ion Ratio Lower Upper

276 100

138 24.1 16.7 25.1

277 25.5 18.2 27.2

