

Data File : BN005989.D
Acq On : 31 May 2019 20:37
Operator : JU/SJ
Sample : K2923-22RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42F3

Quant Time: Jun 01 01:53:23 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	505652	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2112996	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	1070503	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1800074	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1176831	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1415295	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	31133	2.71	ng/uL	0.01
5) Phenol-d5	6.92	99	730825	16.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	423678	16.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	607579	17.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	590367	16.32	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	302944	22.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	323853	25.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	615799	20.65	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	157496	4.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	1724289	21.85	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2106179	21.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	176300	12.28	ng/ul	0.00
57) Fluorene-d10	15.40	176	1363429	20.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	44761	6.10	ng/ul	0.01
70) Anthracene-d10	17.26	188	1740528	22.72	ng/ul	0.00
78) Pyrene-d10	19.57	212	1520309	25.58	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.54	264	1422037	22.52	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	6.95	94	46342	1.004	ng/ul	96
44) Dimethylphthalate	13.86	163	651440	8.259	ng/ul	100
47) Acenaphthylene	14.13	152	345989	3.574	ng/ul	98
53) Dibenzofuran	14.81	168	195428	2.105	ng/ul	98
58) Fluorene	15.46	166	267843	3.673	ng/ul	97
69) Phenanthrene	17.21	178	4202102	47.116	ng/ul	99
71) Anthracene	17.29	178	806556	8.908	ng/ul	99
74) Carbazole	17.56	167	290732	3.564	ng/ul	99
76) Fluoranthene	19.24	202	4539694	47.681	ng/ul	97
79) Pyrene	19.60	202	3685433	49.437	ng/ul	97
82) Benzo(a)anthracene	21.36	228	1711298	23.132	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.29	149	87380	1.799	ng/ul#	94
84) Chrysene	21.36	228	1690248	24.497	ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	1885562	23.720	ng/ul#	94
88) Benzo(k)fluoranthene	22.99	252	1885562	25.798	ng/ul#	92
90) Benzo(a)pyrene	23.58	252	1350905	18.021	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	26.01	276	922941	10.492	ng/ul	95
92) Dibenzo(a,h)anthracene	26.02	278	265337	3.623	ng/ul#	73
93) Benzo(g,h,i)perylene	26.73	276	750403	10.129	ng/ul	91

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

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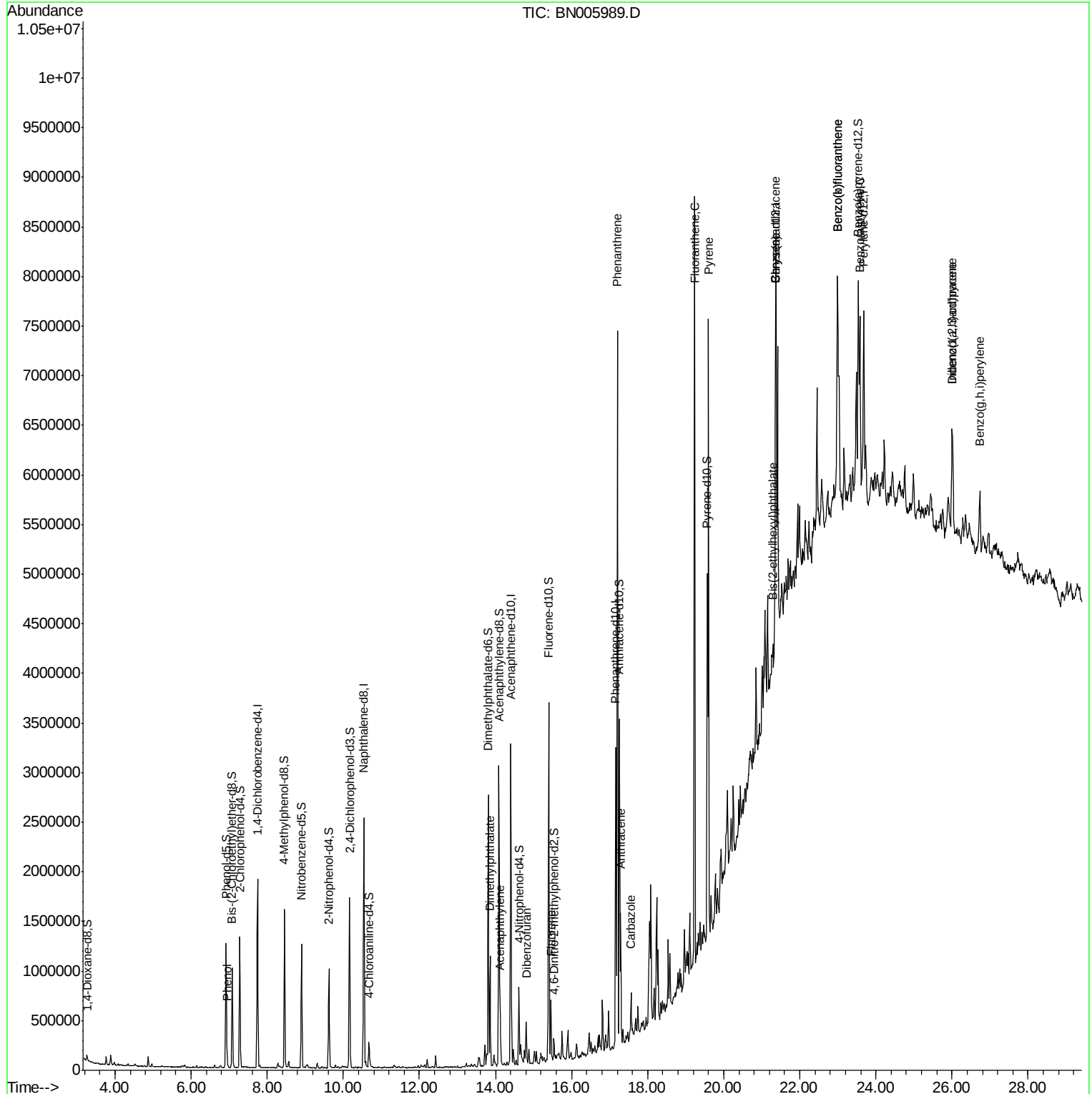
Quant Time: Jun 01 01:53:23 2019

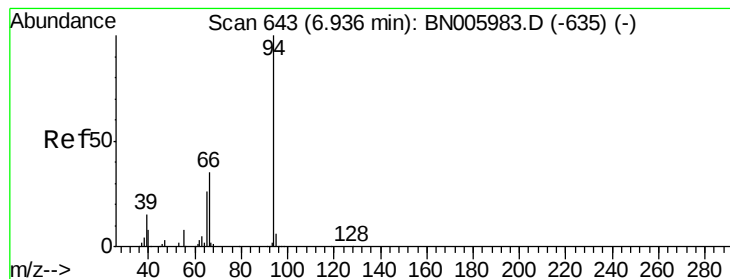
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M

Quant Title : SVOA CALIBRATION

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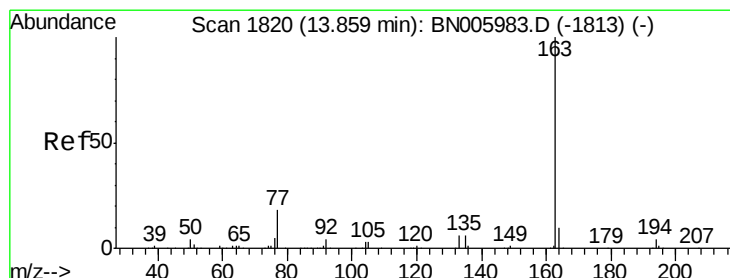
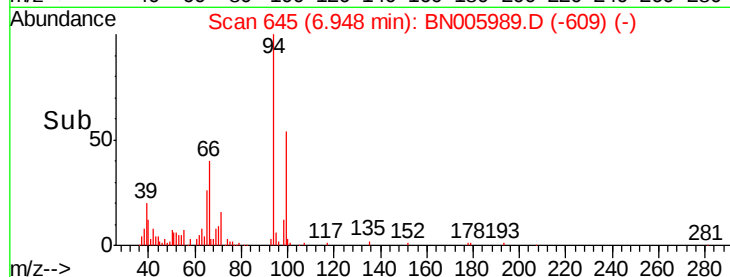
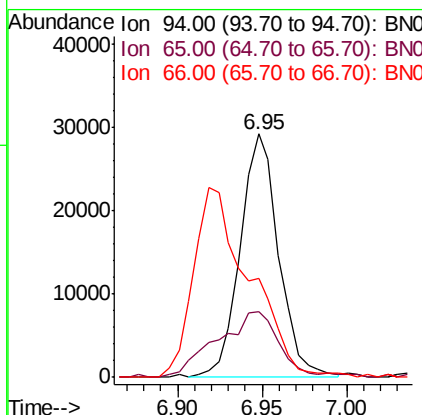
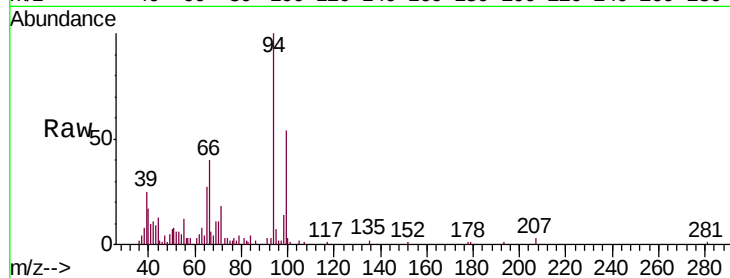
#6

Phenol

Concen: 1.004 ng/ul
 RT: 6.95 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BN005989.D
 Acq: 31 May 2019 20:37

Instrument :
 BNA_N
 ClientSampleId :
 A42F3

Tgt Ion: 94 Resp: 46342
 Ion Ratio Lower Upper
 94 100
 65 27.2 24.2 36.4
 66 40.5 33.8 50.6

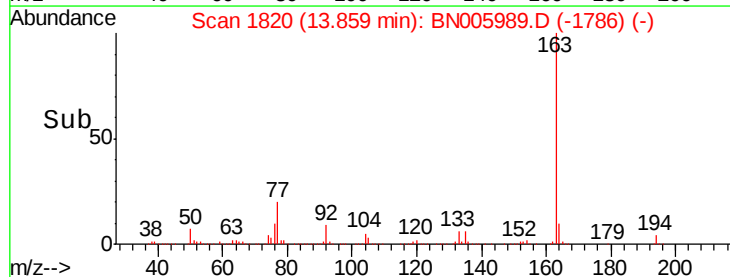
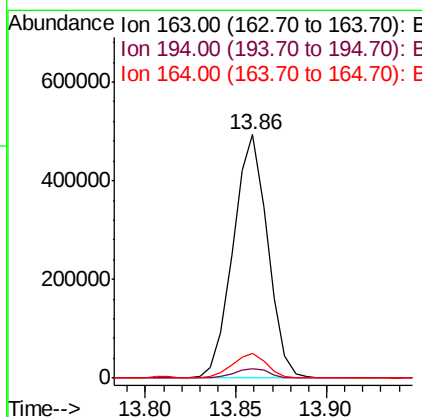
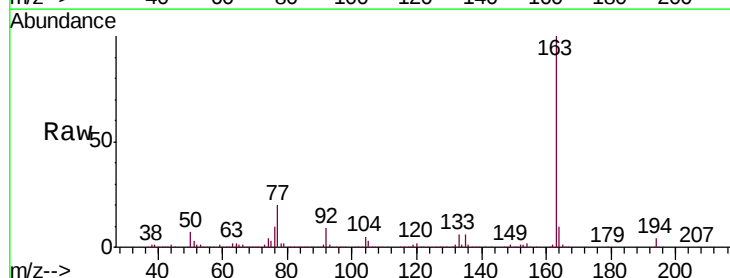


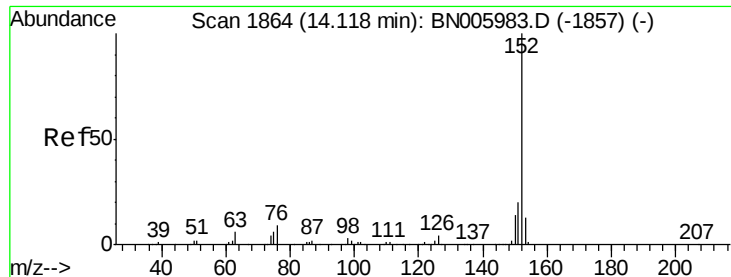
#44

Dimethylphthalate

Concen: 8.259 ng/ul
 RT: 13.86 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BN005989.D
 Acq: 31 May 2019 20:37

Tgt Ion: 163 Resp: 651440
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.0
 164 9.9 8.1 12.1





#47

Acenaphthylene

Concen: 3.574 ng/ul

RT: 14.13 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

Instrument :

BNA_N

ClientSampleId :

A42F3

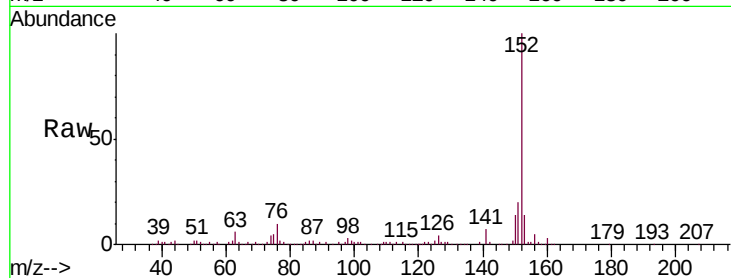
Tgt Ion:152 Resp: 345989

Ion Ratio Lower Upper

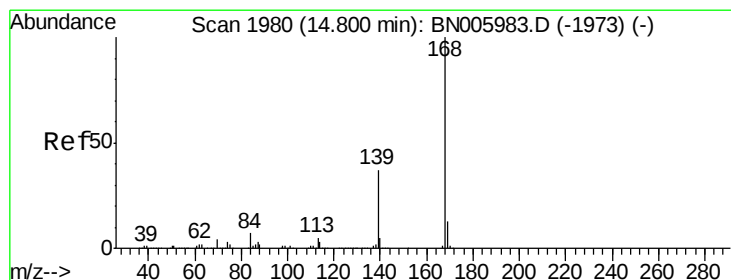
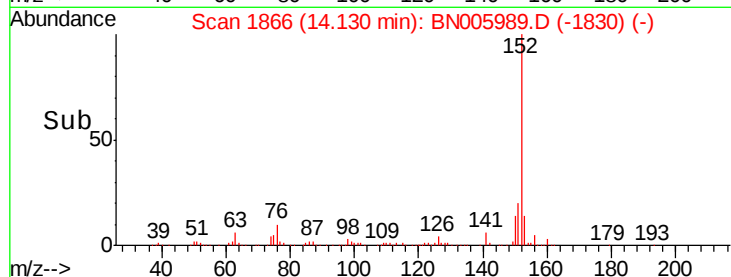
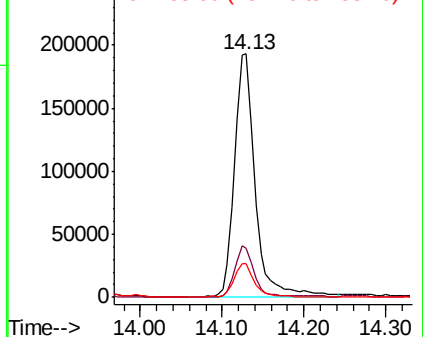
152 100

151 20.3 15.8 23.8

153 13.8 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



#53

Dibenzofuran

Concen: 2.105 ng/ul

RT: 14.81 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN005989.D

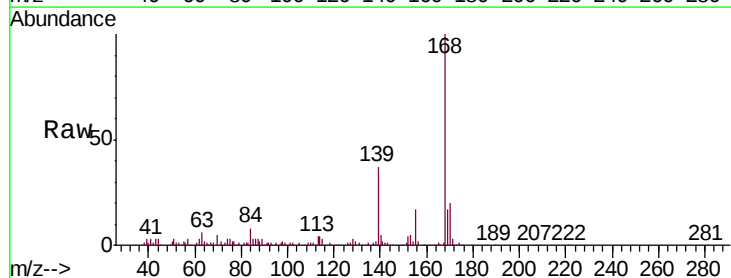
Acq: 31 May 2019 20:37

Tgt Ion:168 Resp: 195428

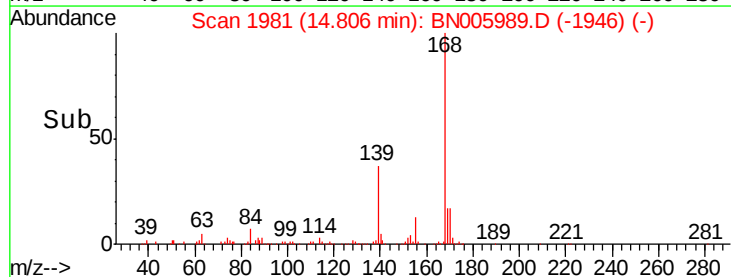
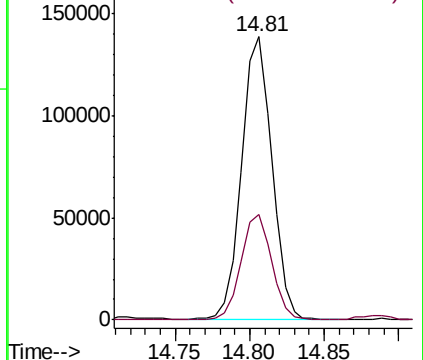
Ion Ratio Lower Upper

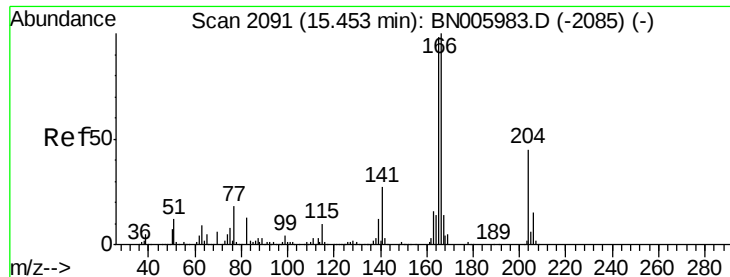
168 100

139 37.3 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.673 ng/ul

RT: 15.46 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

Instrument :

BNA_N

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A42F3

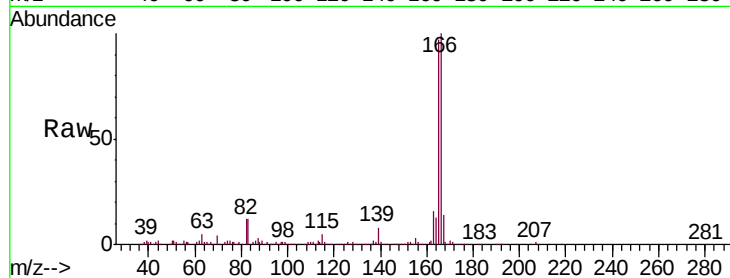
Tgt Ion:166 Resp: 267843

Ion Ratio Lower Upper

166 100

165 96.7 80.0 120.0

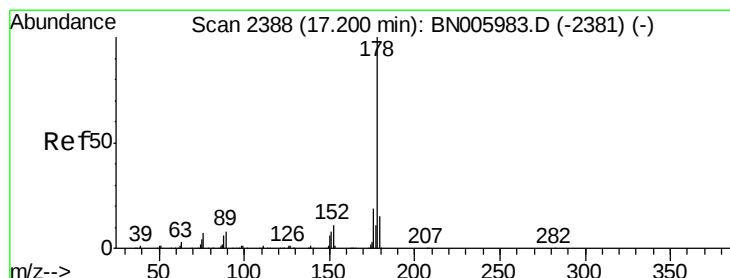
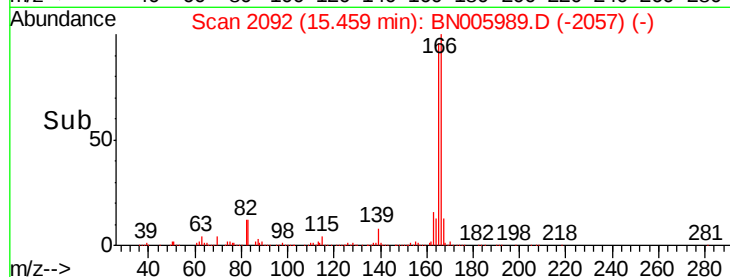
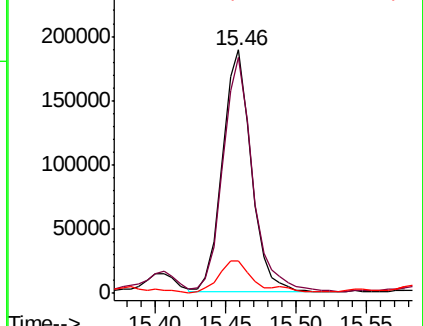
167 13.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 47.116 ng/ul

RT: 17.21 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

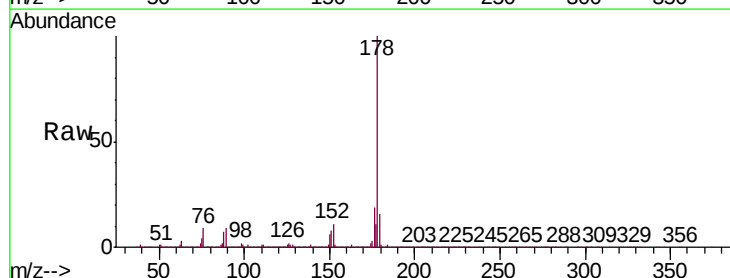
Tgt Ion:178 Resp: 4202102

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

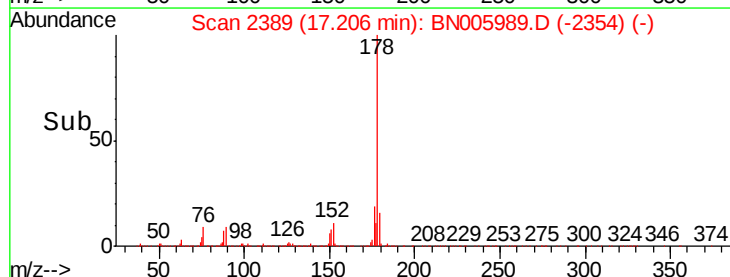
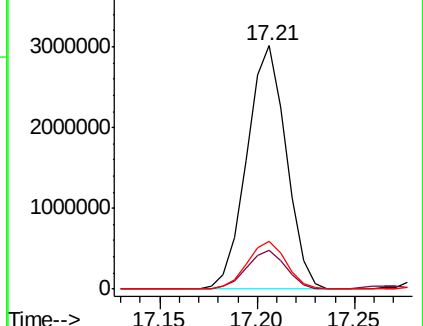
176 19.4 15.1 22.7

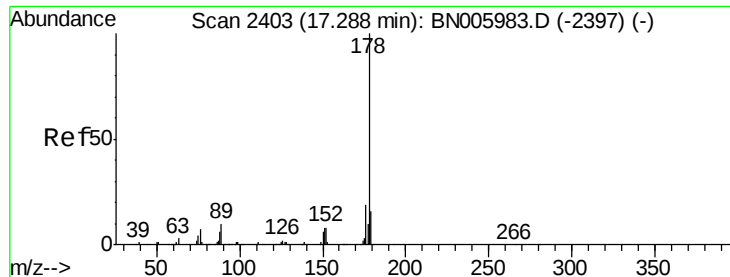


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

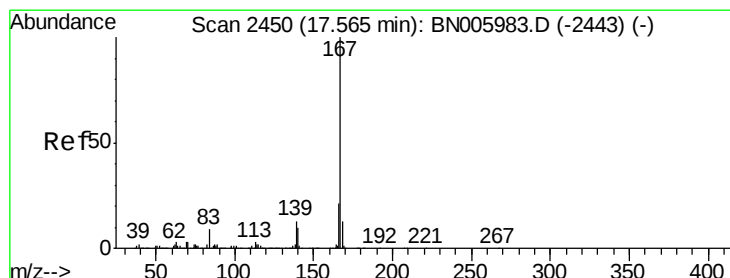
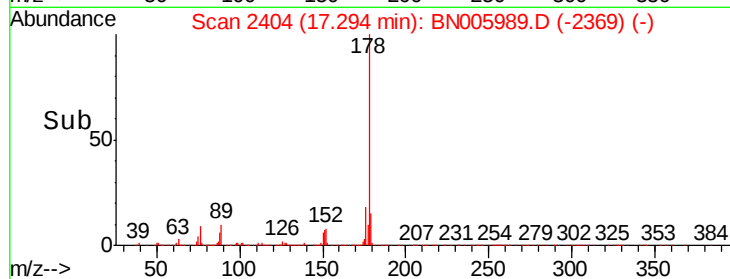
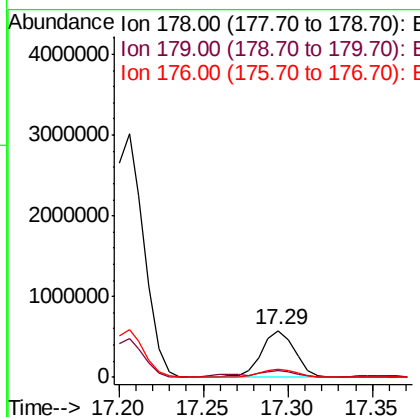
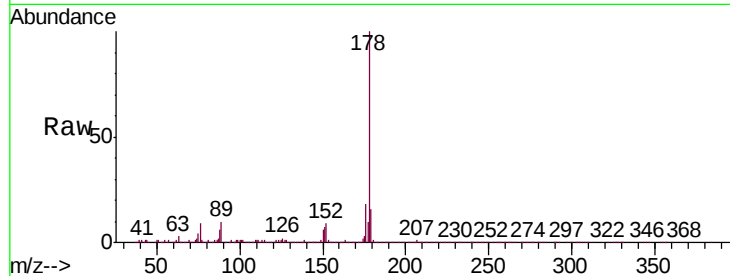




#71
 Anthracene
 Concen: 8.908 ng/ul
 RT: 17.29 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BN005989.D
 Acq: 31 May 2019 20:37

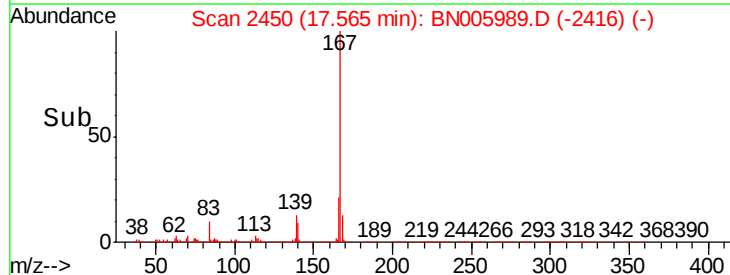
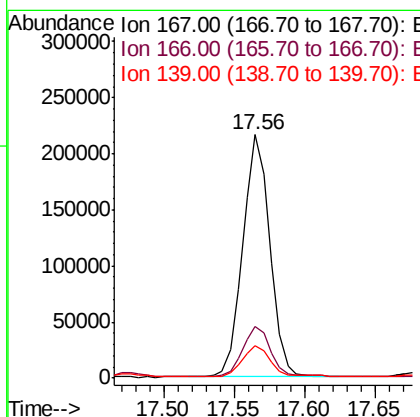
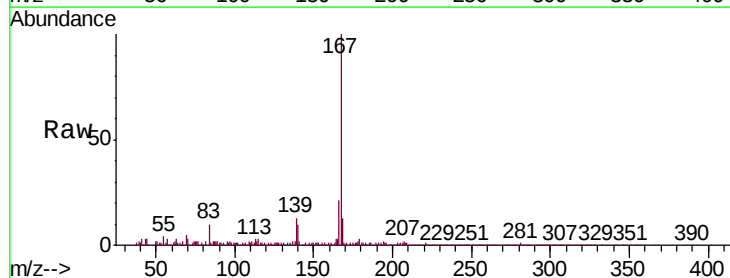
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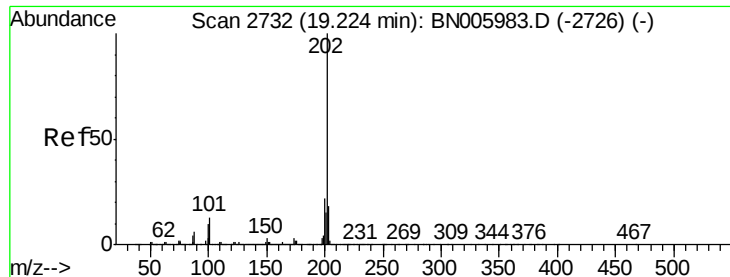
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.5	15.1	22.7



#74
 Carbazole
 Concen: 3.564 ng/ul
 RT: 17.56 min Scan# 2450
 Delta R.T. -0.00 min
 Lab File: BN005989.D
 Acq: 31 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	13.4	10.6	16.0

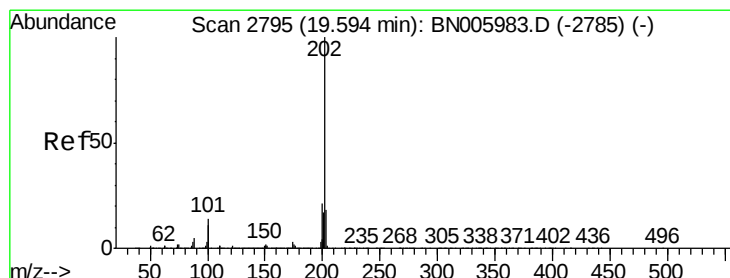
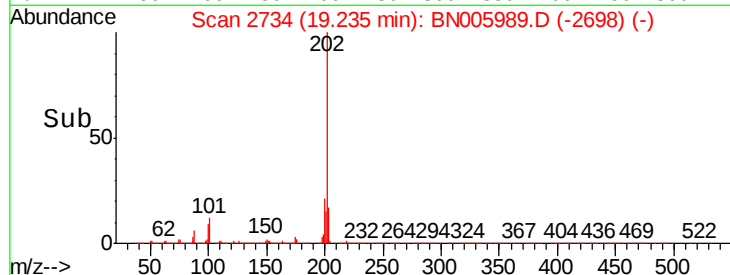
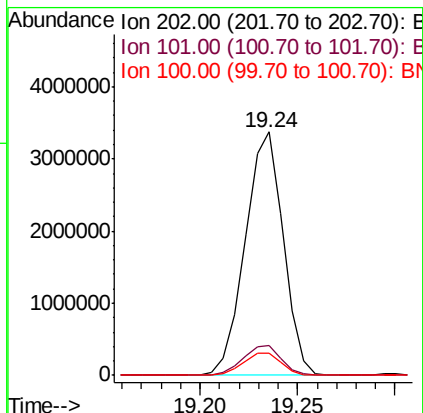
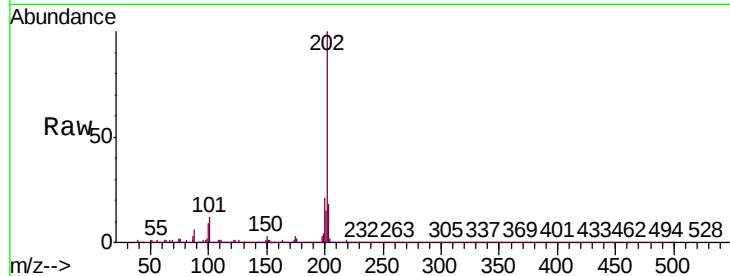




#76
Fluoranthene
Concen: 47.681 ng/ul
RT: 19.24 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BN005989.D
Acq: 31 May 2019 20:37

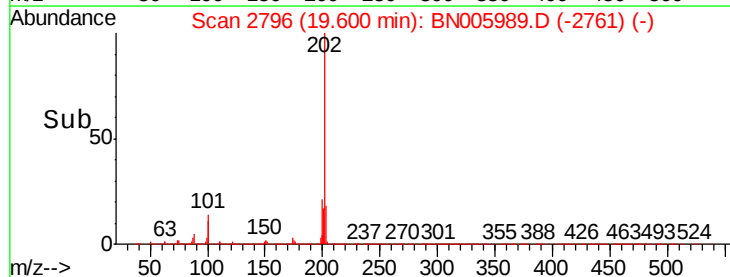
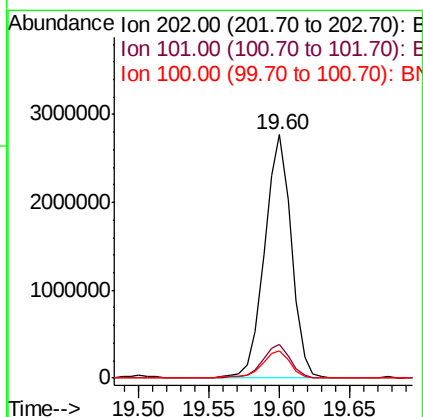
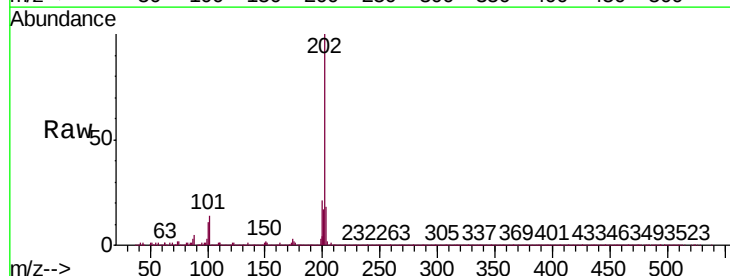
Instrument :
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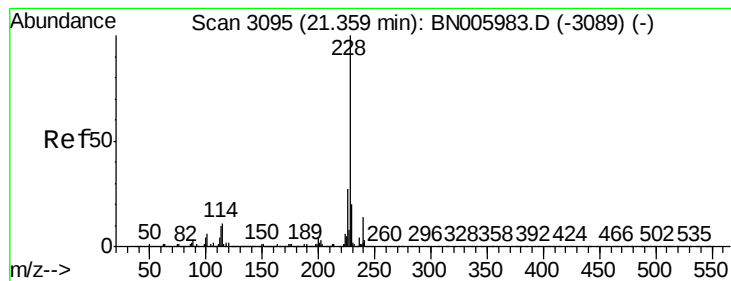
Tgt Ion:202 Resp: 4539694
Ion Ratio Lower Upper
202 100
101 12.0 8.6 12.8
100 8.9 6.3 9.5



#79
Pyrene
Concen: 49.437 ng/ul
RT: 19.60 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005989.D
Acq: 31 May 2019 20:37

Tgt Ion:202 Resp: 3685433
Ion Ratio Lower Upper
202 100
101 13.8 10.3 15.5
100 11.1 7.9 11.9





#82

Benzo(a)anthracene

Concen: 23.132 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

Instrument :

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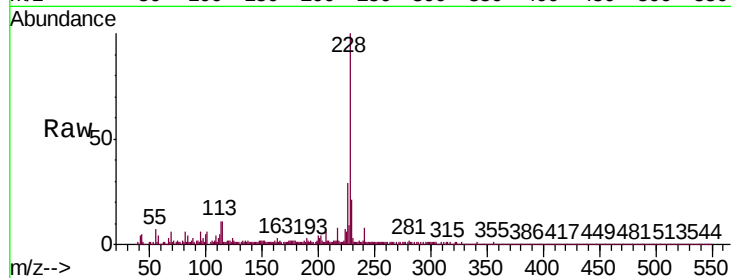
Tgt Ion:228 Resp: 1711298

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

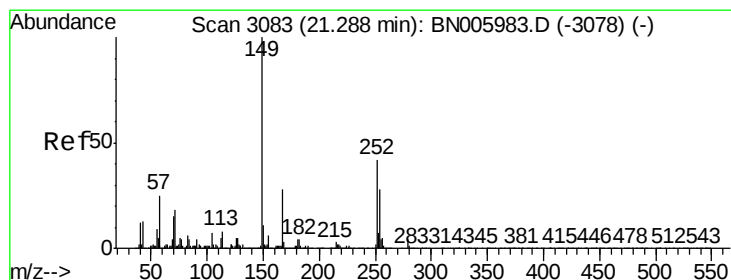
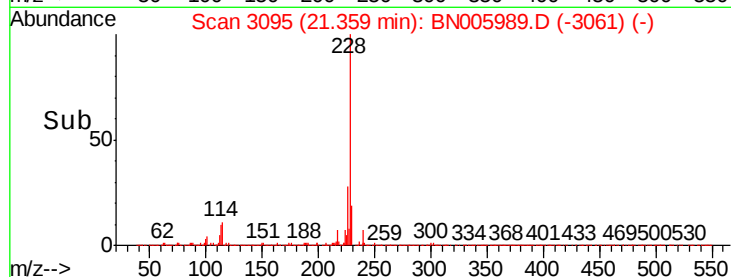
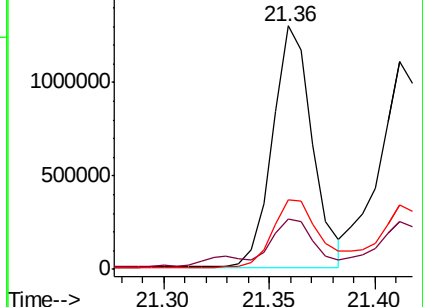
226 28.7 21.4 32.2



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: 1.799 ng/ul

RT: 21.29 min Scan# 3083

Delta R.T. -0.00 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

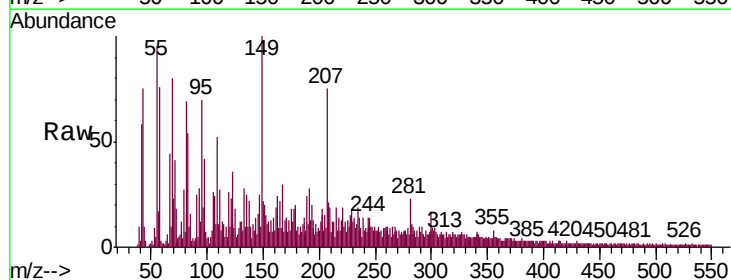
Tgt Ion:149 Resp: 87380

Ion Ratio Lower Upper

149 100

167 30.3 22.3 33.5

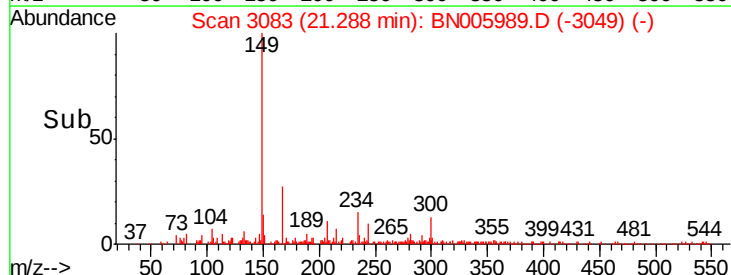
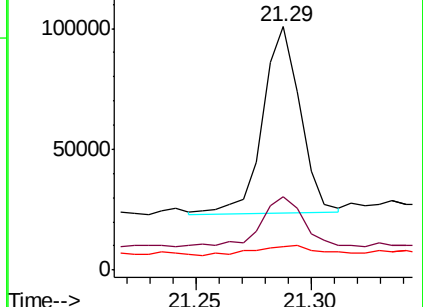
279 9.4 3.3 4.9#

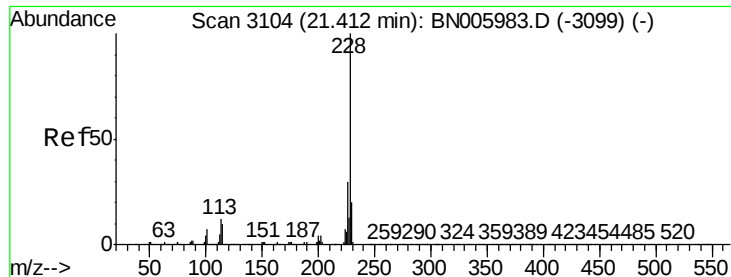


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 24.497 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. -0.05 min

Lab File: BN005989.D

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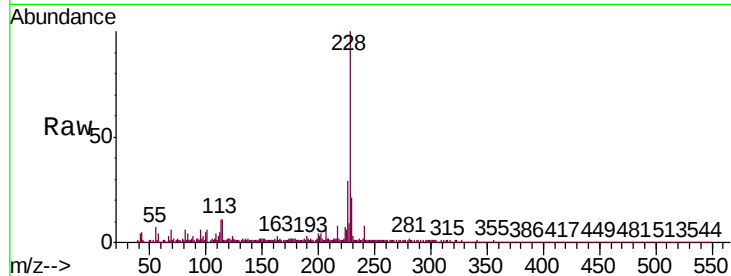
Tgt Ion:228 Resp: 1690248

Ion Ratio Lower Upper

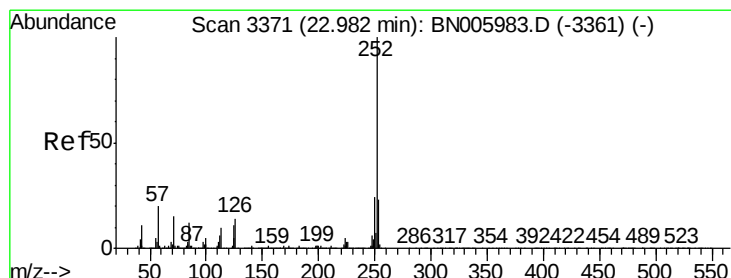
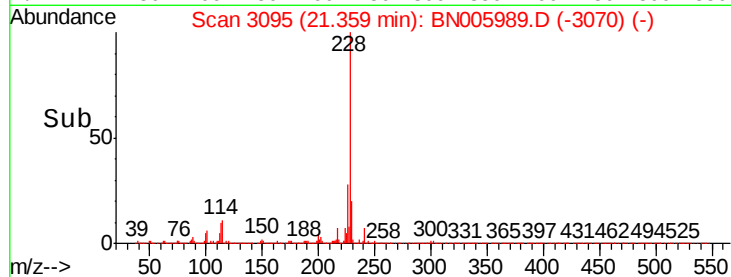
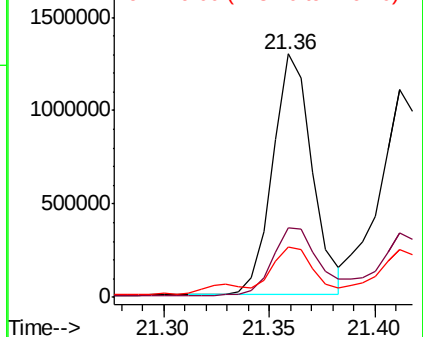
228 100

226 28.7 24.0 36.0

229 20.9 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: 23.720 ng/ul

RT: 22.99 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

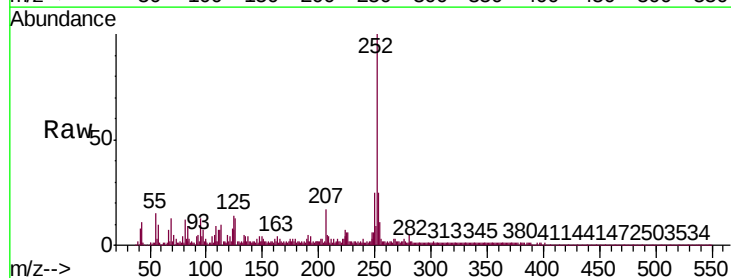
Tgt Ion:252 Resp: 1885562

Ion Ratio Lower Upper

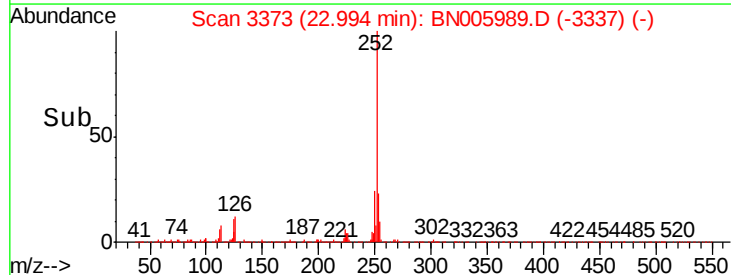
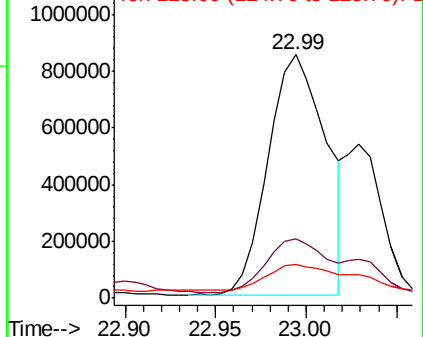
252 100

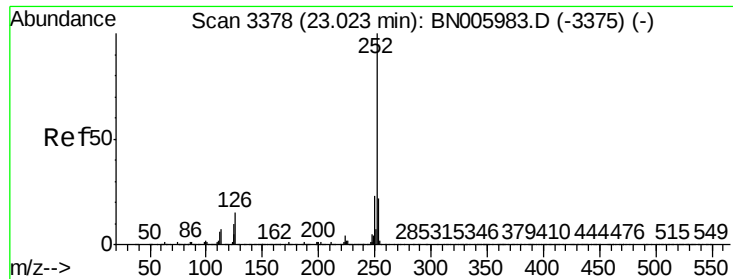
253 24.6 17.7 26.5

125 13.9 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: 25.798 ng/ul

RT: 22.99 min Scan# 3373

Delta R.T. -0.03 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

Instrument :

BNA_N

ClientSampleId :

A42F3

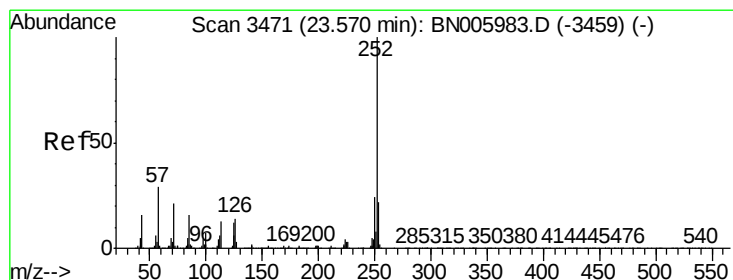
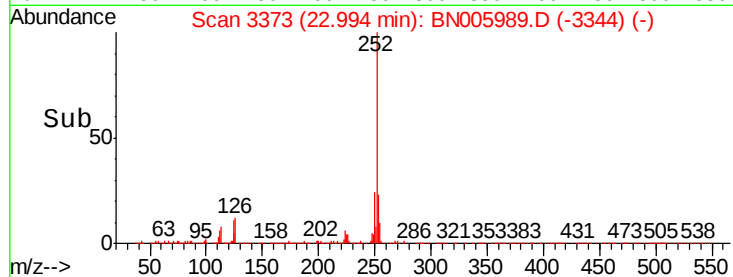
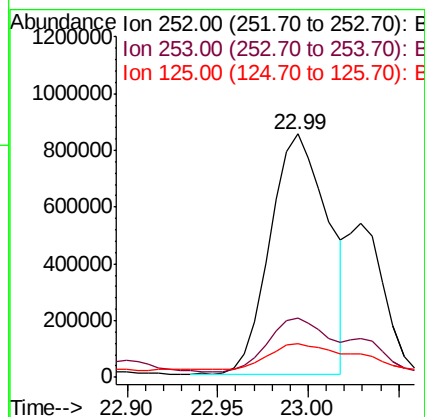
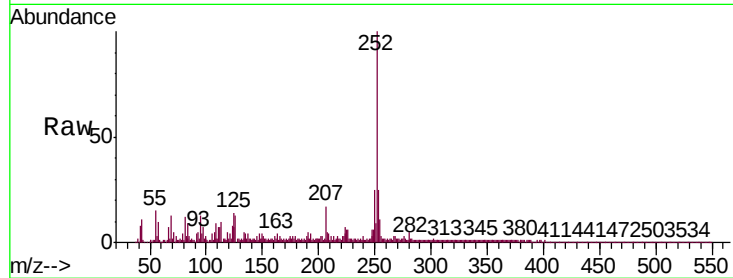
Tgt Ion:252 Resp: 1885562

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 13.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 18.021 ng/ul

RT: 23.58 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

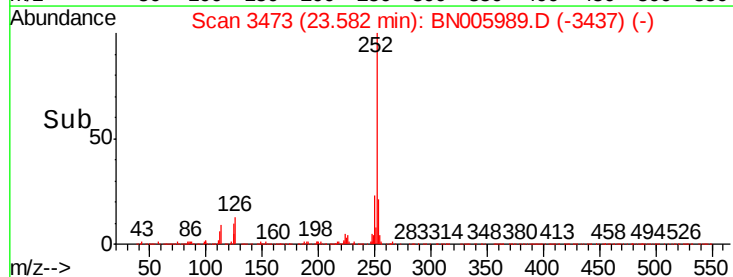
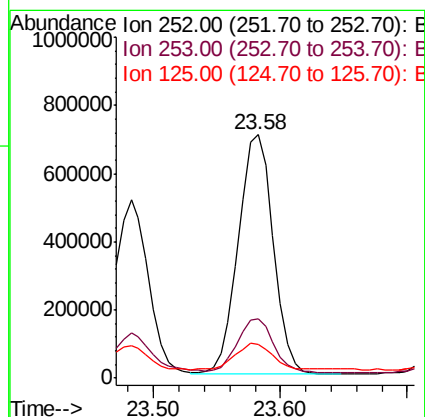
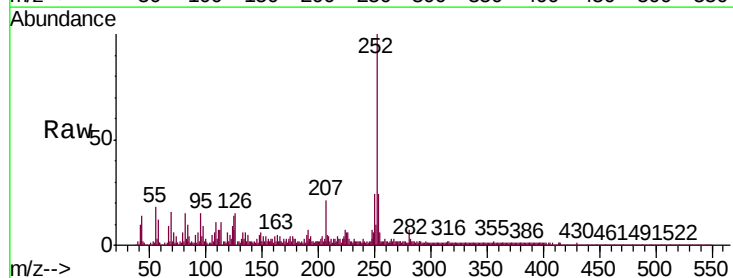
Tgt Ion:252 Resp: 1350905

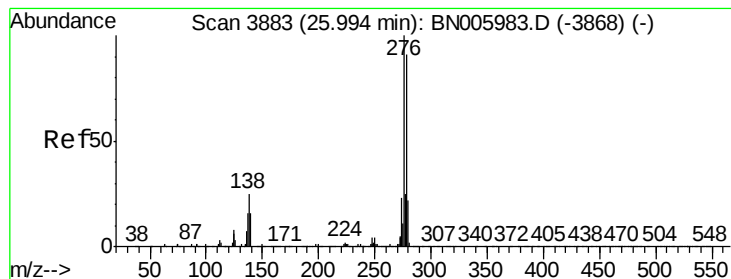
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 13.9 8.6 13.0#



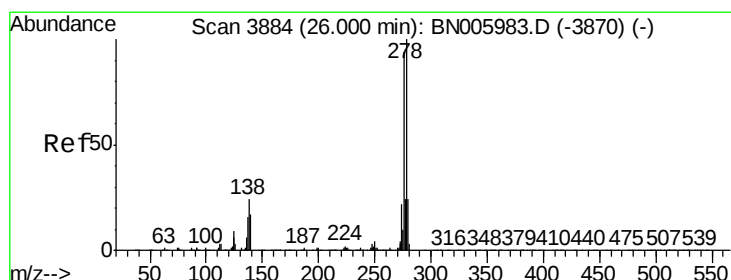
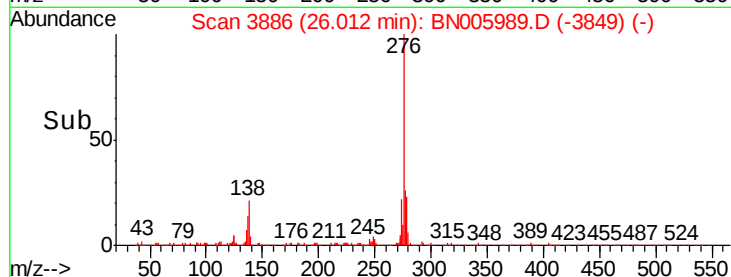
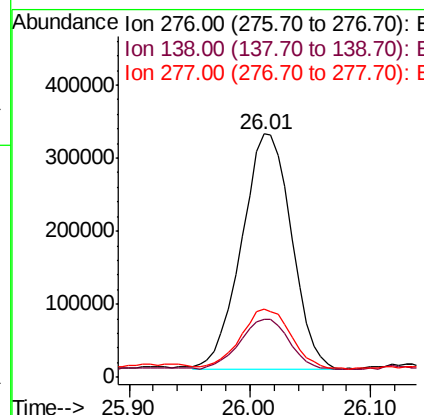
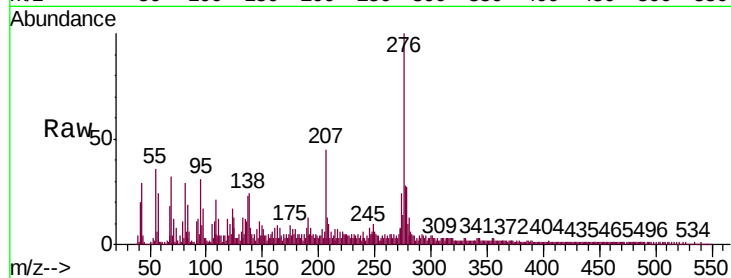


#91

Indeno(1,2,3-cd)pyrene
Concen: 10.492 ng/ul
RT: 26.01 min Scan# 3886
Delta R.T. 0.02 min
Lab File: BN005989.D
Acq: 31 May 2019 20:37

Instrument :
BNA_N
ClientSampleId :
A42F3

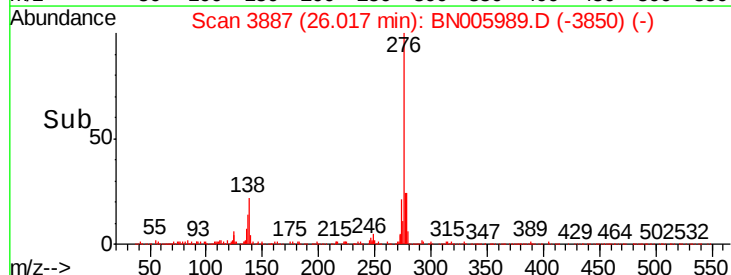
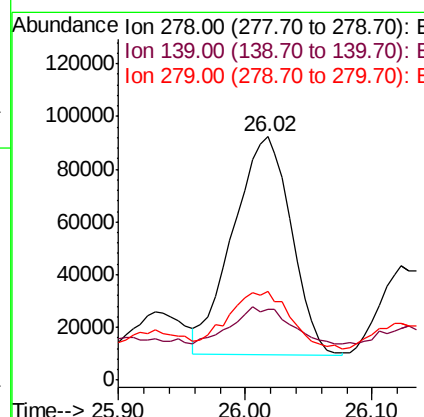
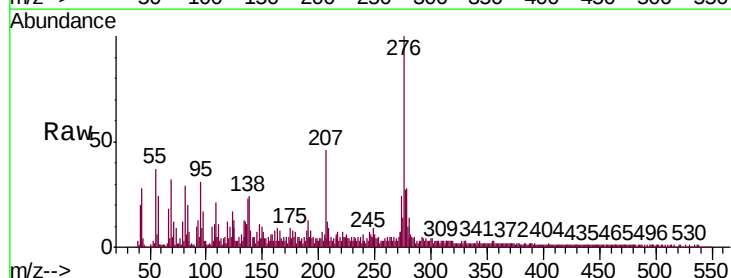
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	17.9	26.9
277	28.2	19.7	29.5

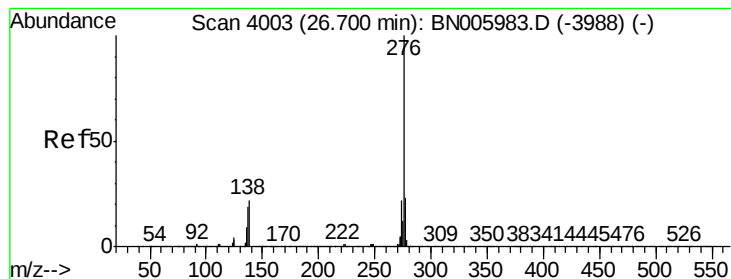


#92

Dibenzo(a,h)anthracene
Concen: 3.623 ng/ul
RT: 26.02 min Scan# 3887
Delta R.T. 0.02 min
Lab File: BN005989.D
Acq: 31 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.1	13.1	19.7#
279	36.5	19.4	29.0#





#93

Benzo(g,h,i)perylene

Concen: 10.129 ng/ul

RT: 26.73 min Scan# 4009

Delta R.T. 0.04 min

Lab File: BN005989.D

Acq: 31 May 2019 20:37

Instrument :

BNA_N

ClientSampleId :

A42F3

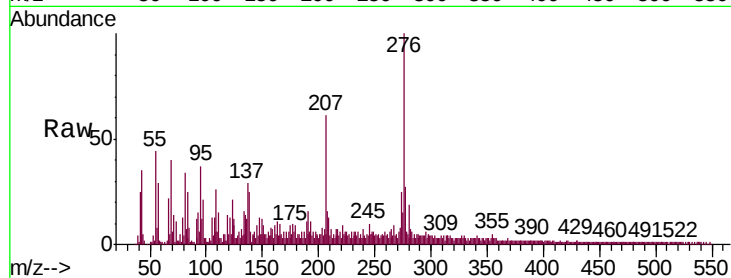
Tgt Ion: 276 Resp: 750403

Ion Ratio Lower Upper

276 100

138 24.8 16.7 25.1

277 27.0 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

