

Data File : BN005994.D
Acq On : 31 May 2019 23:29
Operator : JU/SJ
Sample : K2928-03DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42B8DL

Quant Time: Jun 01 01:54:58 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	7.74	152	450582	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	1882669	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	954554	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1679783	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1117319	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1349983	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	5232	0.51	ng/uL	0.01
5) Phenol-d5	6.92	99	118037	2.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	69094	3.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	94974	3.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	91668	2.84	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	45401	3.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	43848	3.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	90727	3.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	44078	1.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	252858	3.59	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	308909	3.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	24645	1.92	ng/ul	0.00
57) Fluorene-d10	15.40	176	234214	3.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	810	0.12	ng/ul	0.00
70) Anthracene-d10	17.25	188	259977	3.64	ng/ul	0.00
78) Pyrene-d10	19.56	212	222932	3.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	212270	3.52	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.59	128	206297	2.309	ng/ul	98
44) Dimethylphthalate	13.85	163	92581	1.316	ng/ul	100
49) Acenaphthene	14.47	153	237932	4.057	ng/ul	99
53) Dibenzofuran	14.80	168	215246	2.600	ng/ul	97
58) Fluorene	15.45	166	335557	5.161	ng/ul	97
69) Phenanthrene	17.20	178	4125827	49.573	ng/ul	98
71) Anthracene	17.29	178	1148880	13.597	ng/ul	99
74) Carbazole	17.56	167	506392	6.653	ng/ul	99
76) Fluoranthene	19.23	202	4688974	52.776	ng/ul	97
79) Pyrene	19.59	202	3797201	53.650	ng/ul	96
82) Benzo(a)anthracene	21.35	228	1862410	26.516	ng/ul	98
84) Chrysene	21.41	228	1588500	24.249	ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	2031757	26.796	ng/ul	97
88) Benzo(k)fluoranthene	22.98	252	2031757	29.143	ng/ul#	95
90) Benzo(a)pyrene	23.56	252	1484982	20.768	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.98	276	986957	11.763	ng/ul	98
92) Dibenzo(a,h)anthracene	25.98	278	260590	3.730	ng/ul#	74
93) Benzo(g,h,i)perylene	26.69	276	690003	9.764	ng/ul	92

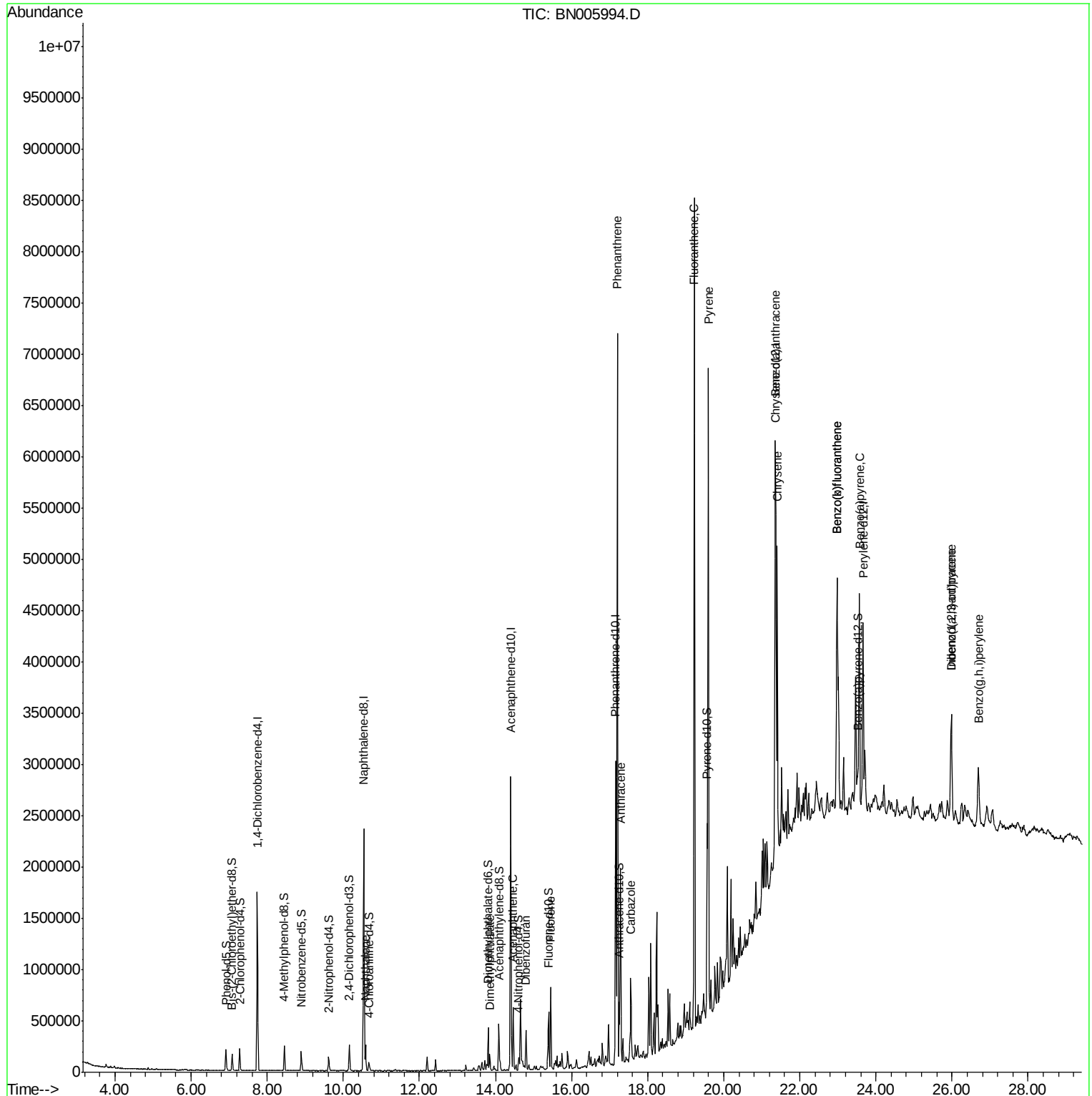
(#) = qualifier out of range (m) = manual integration (+) = signals summed

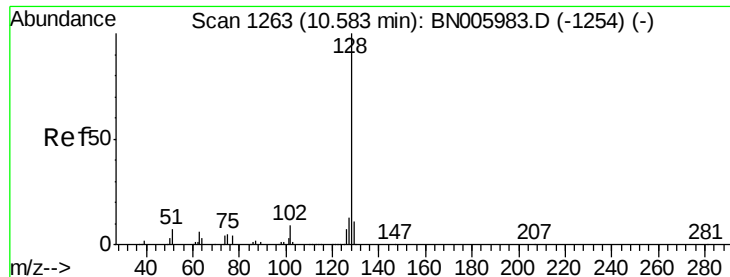
Data File : BN005994.D

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#28

Naphthalene

Concen: 2.309 ng/ul

RT: 10.59 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

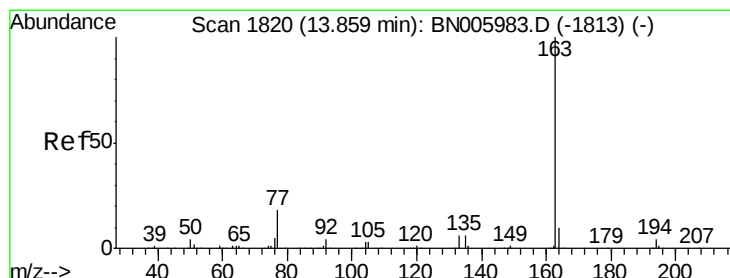
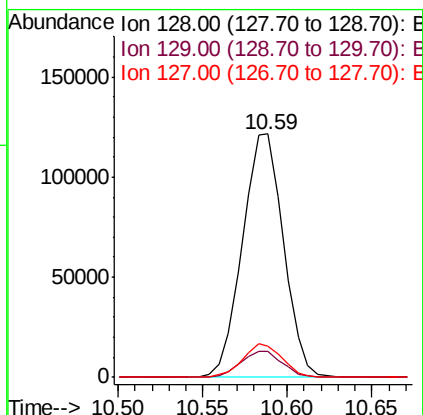
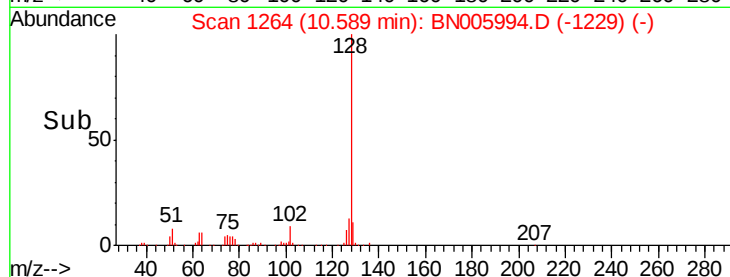
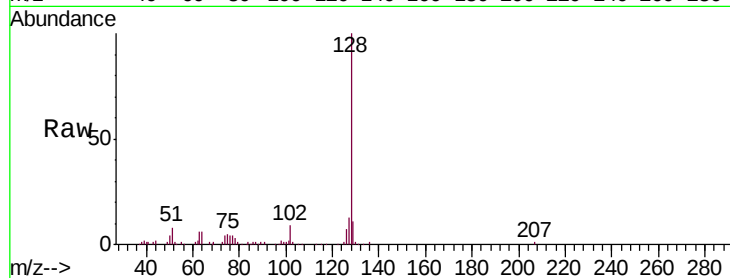
BNA_N

ClientSampleId :

A42B8DL

Tgt Ion:128 Resp: 206297

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.2	13.8
127	12.7	10.7	16.1



#44

Dimethylphthalate

Concen: 1.316 ng/ul

RT: 13.85 min Scan# 1819

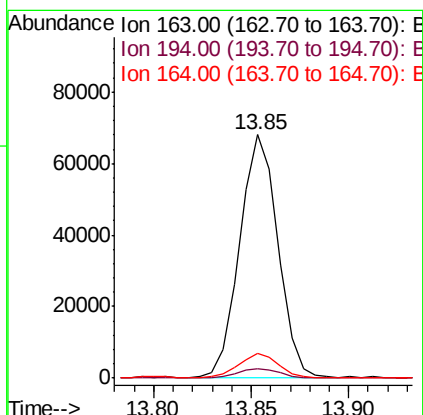
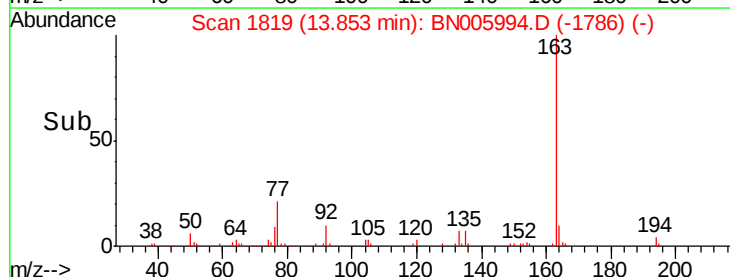
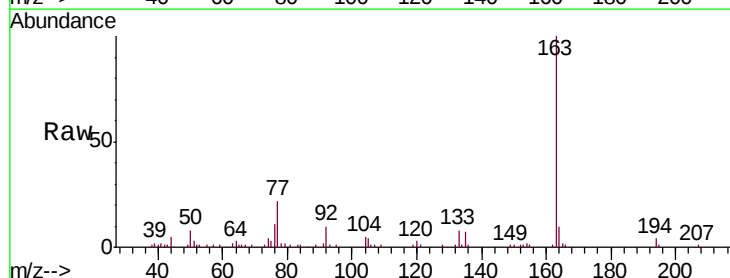
Delta R.T. -0.01 min

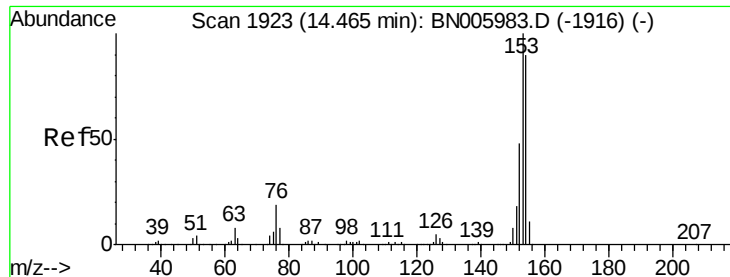
Lab File: BN005994.D

Acq: 31 May 2019 23:29

Tgt Ion:163 Resp: 92581

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.2	8.1	12.1





#49

Acenaphthene

Concen: 4.057 ng/ul

RT: 14.47 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampleId :

A42B8DL

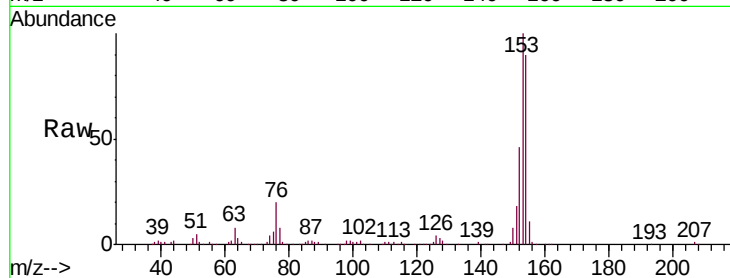
Tgt Ion:153 Resp: 237932

Ion Ratio Lower Upper

153 100

152 45.9 37.4 56.0

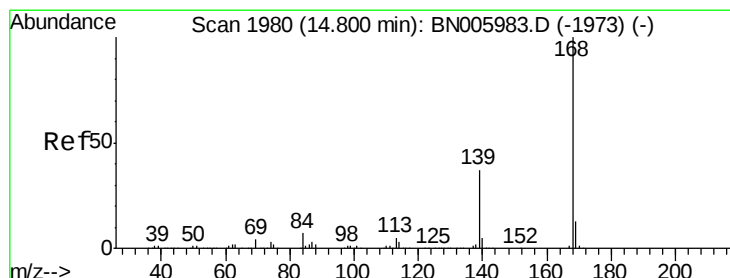
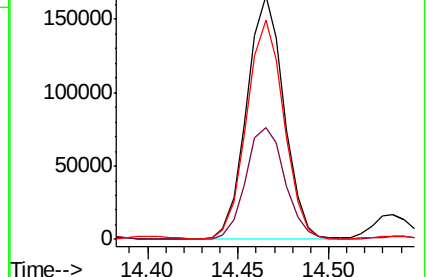
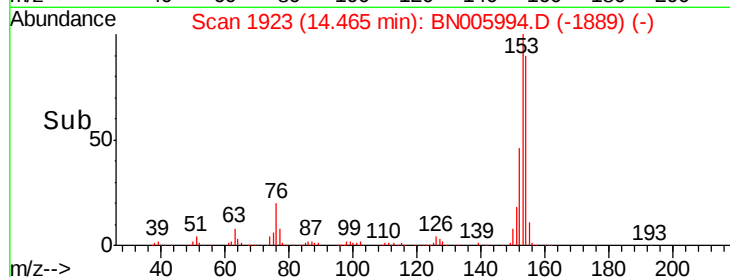
154 90.2 71.2 106.8



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

Dibenzofuran

Concen: 2.600 ng/ul

RT: 14.80 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN005994.D

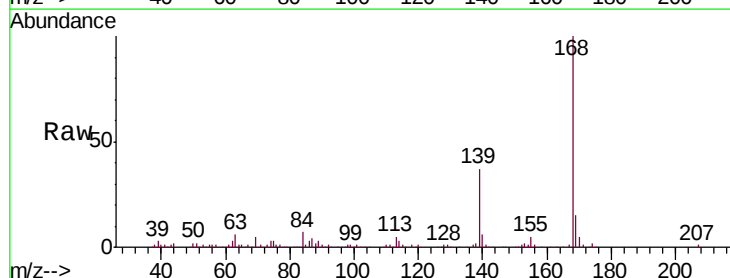
Acq: 31 May 2019 23:29

Tgt Ion:168 Resp: 215246

Ion Ratio Lower Upper

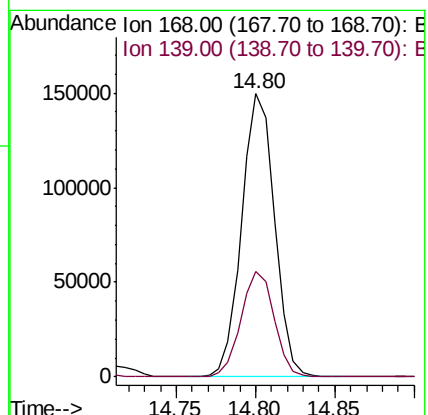
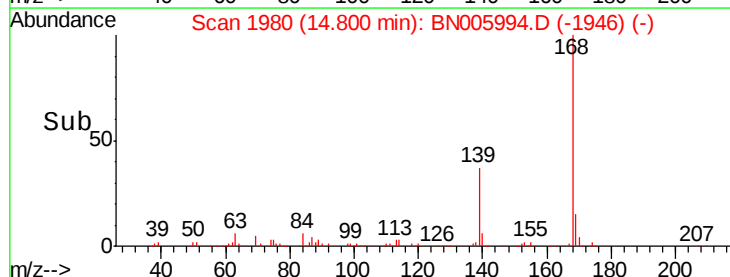
168 100

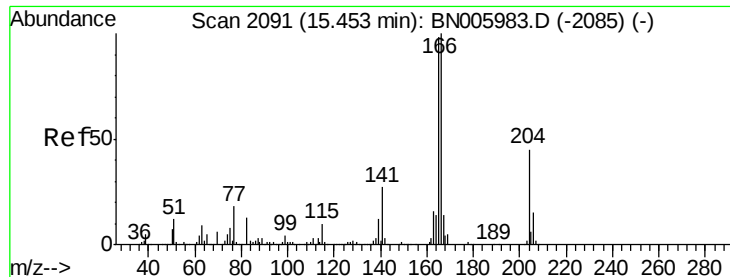
139 37.1 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.161 ng/ul

RT: 15.45 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampleId :

A42B8DL

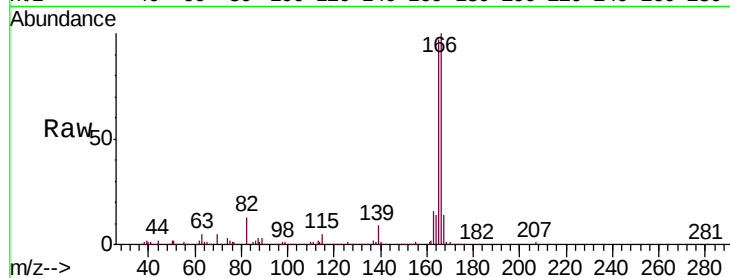
Tgt Ion:166 Resp: 335557

Ion Ratio Lower Upper

166 100

165 96.7 80.0 120.0

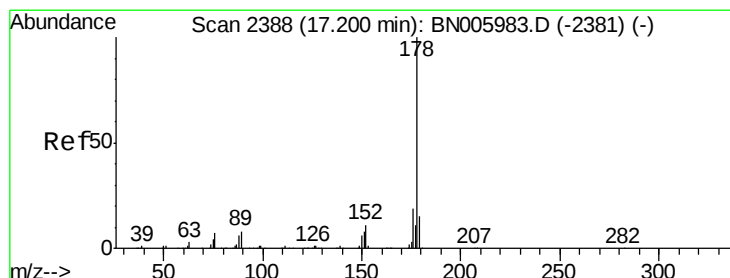
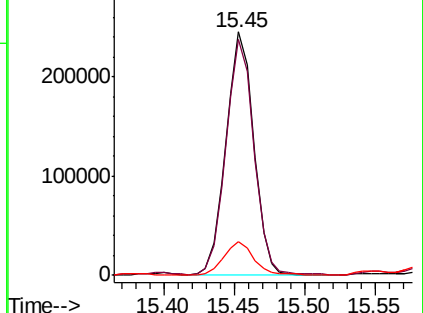
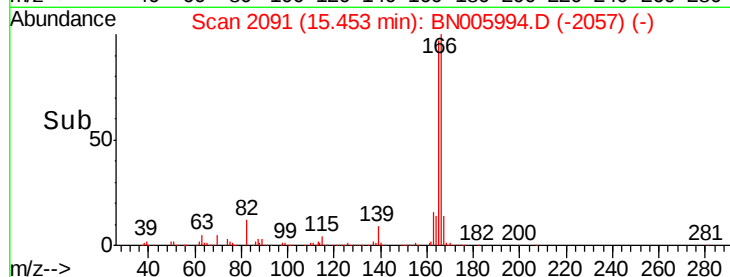
167 14.0 10.7 16.1



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: 49.573 ng/ul

RT: 17.20 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

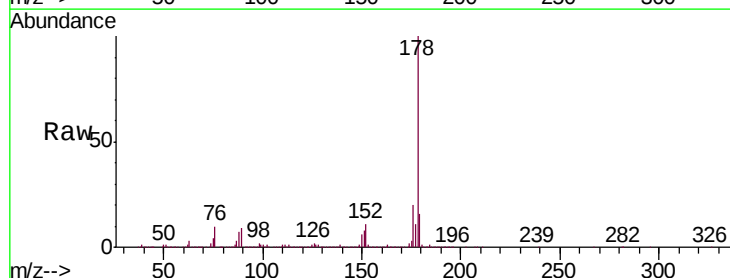
Tgt Ion:178 Resp: 4125827

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

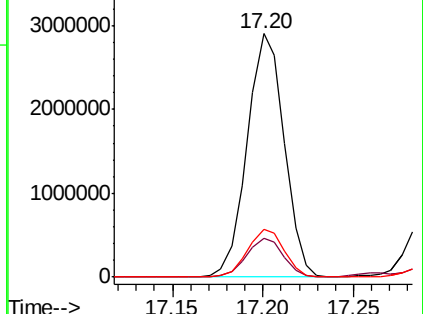
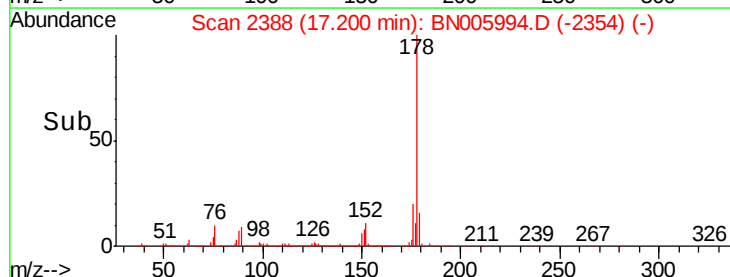
176 19.7 15.1 22.7

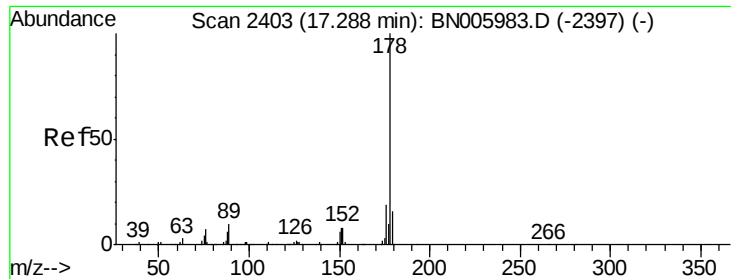


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

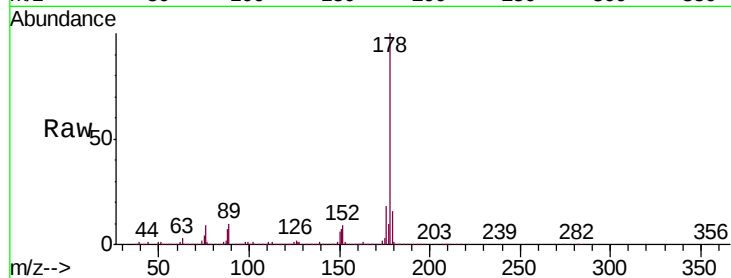




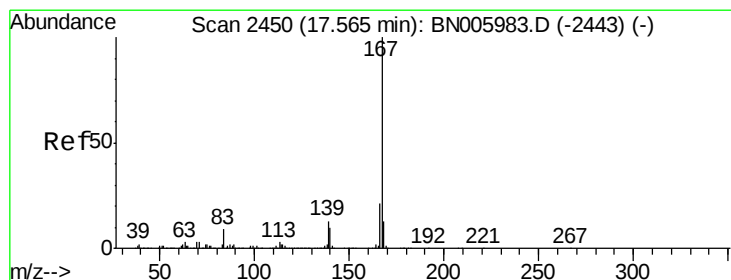
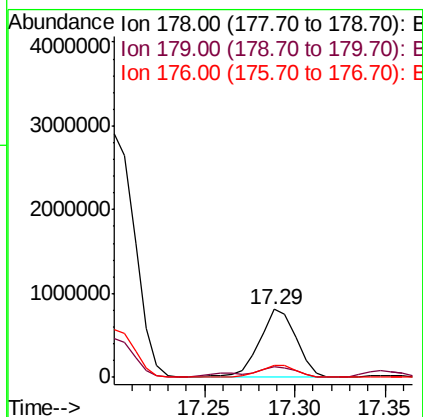
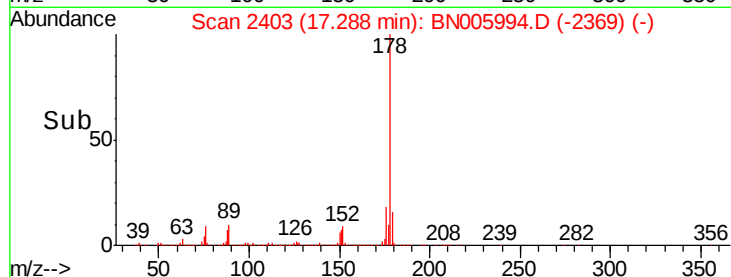
#71
 Anthracene
 Concen: 13.597 ng/ul
 RT: 17.29 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Instrument :
 BNA_N
 ClientSampleId :
 A42B8DL

Tgt Ion:178 Resp: 1148880
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 18.3 15.1 22.7

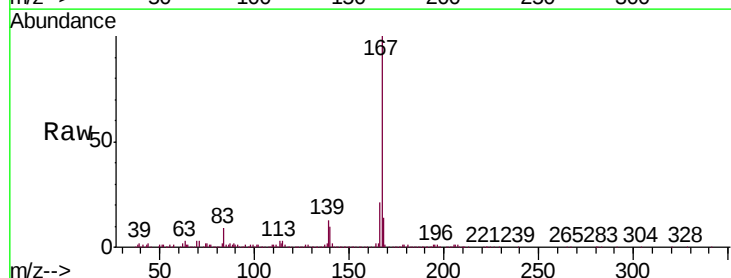


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

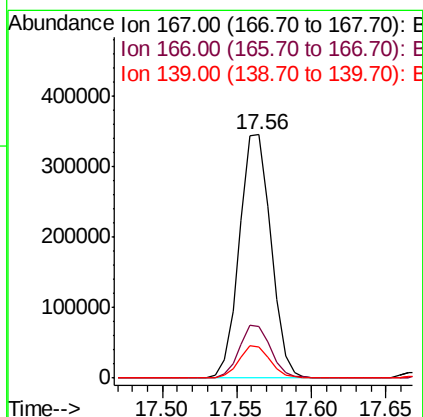
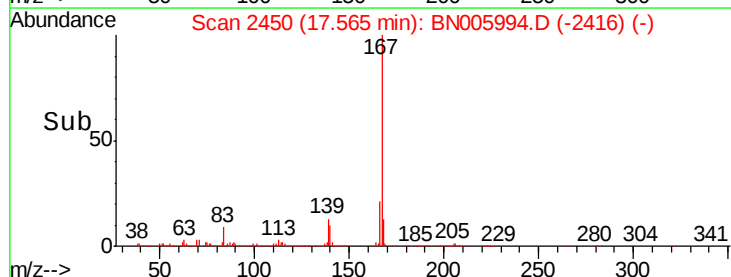


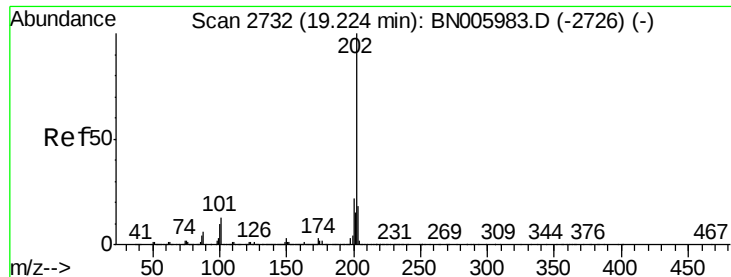
#74
 Carbazole
 Concen: 6.653 ng/ul
 RT: 17.56 min Scan# 2450
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Tgt Ion:167 Resp: 506392
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 12.8 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

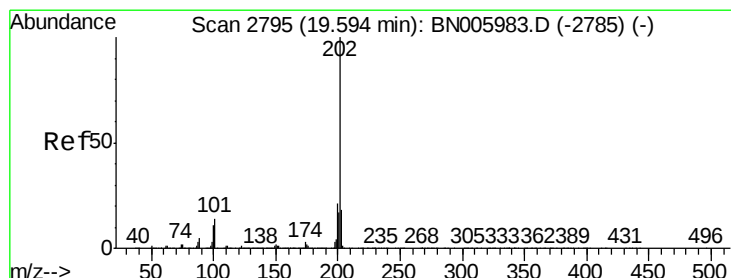
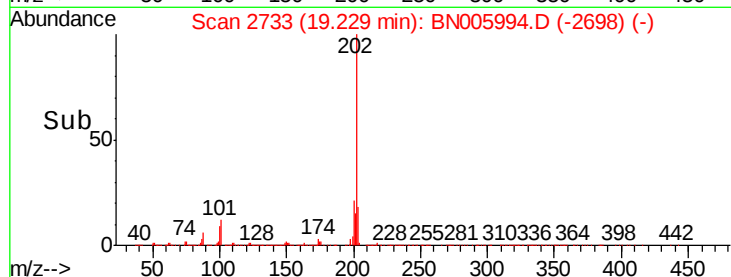
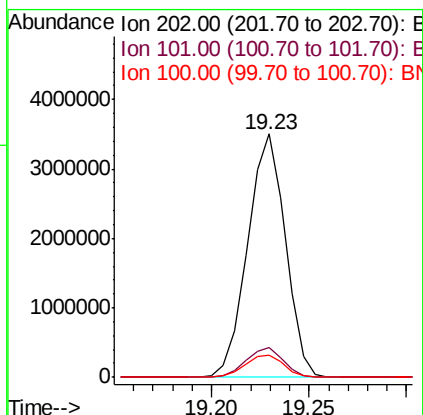
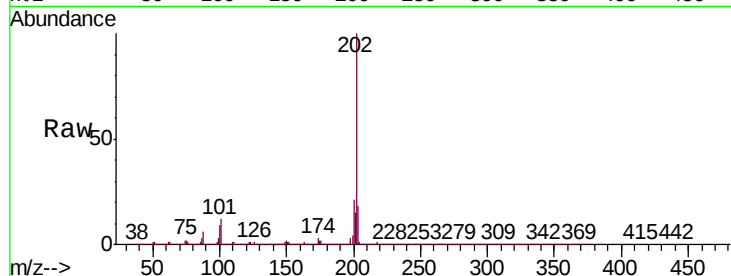




#76
Fluoranthene
Concen: 52.776 ng/ul
RT: 19.23 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

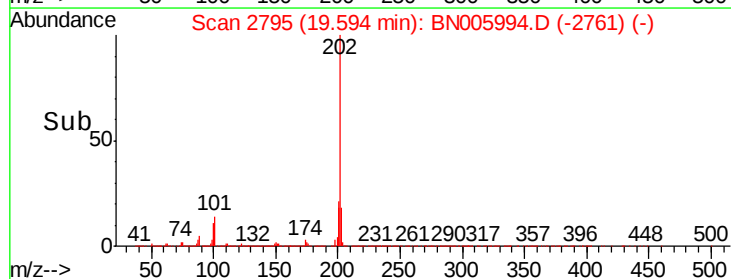
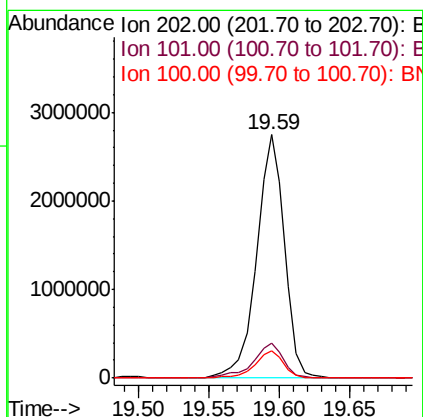
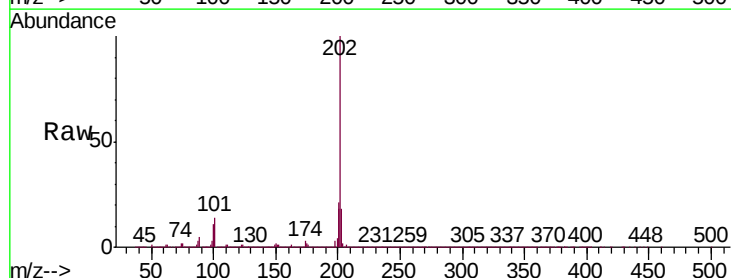
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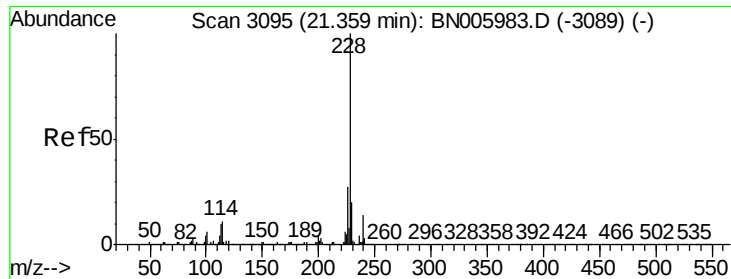
Tgt Ion:202 Resp: 4688974
Ion Ratio Lower Upper
202 100
101 12.0 8.6 12.8
100 9.1 6.3 9.5



#79
Pyrene
Concen: 53.650 ng/ul
RT: 19.59 min Scan# 2795
Delta R.T. -0.00 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Tgt Ion:202 Resp: 3797201
Ion Ratio Lower Upper
202 100
101 14.4 10.3 15.5
100 11.3 7.9 11.9





#82

Benzo(a)anthracene

Concen: 26.516 ng/ul

RT: 21.35 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampleId :

A42B8DL

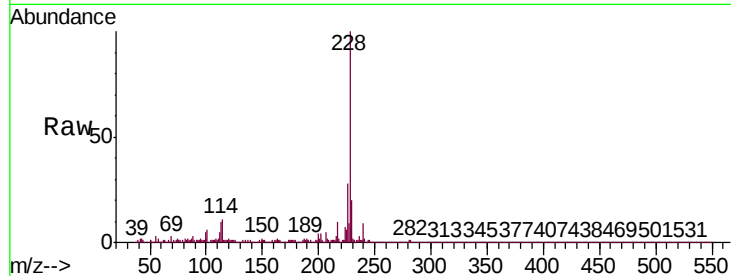
Tgt Ion:228 Resp: 1862410

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

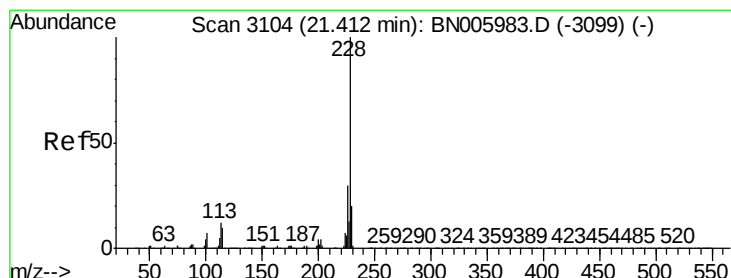
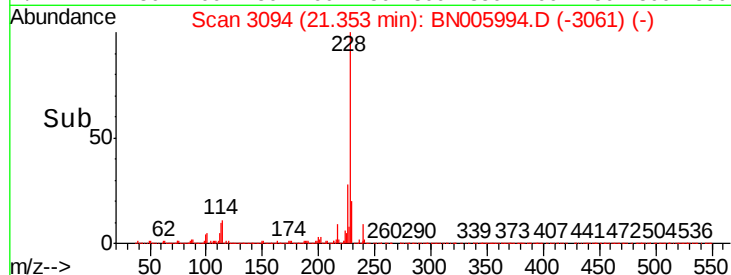
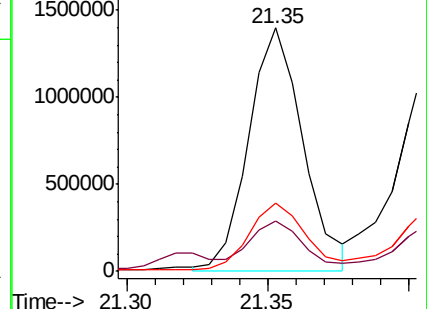
226 28.3 21.4 32.2



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: 24.249 ng/ul

RT: 21.41 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

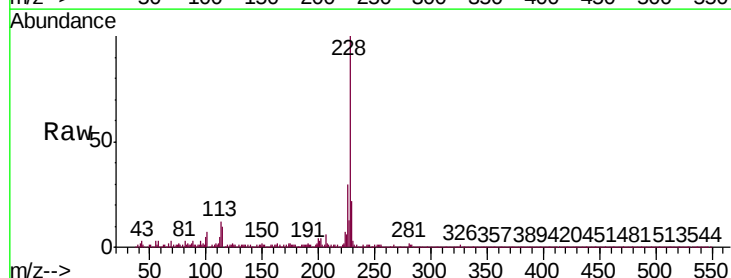
Tgt Ion:228 Resp: 1588500

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

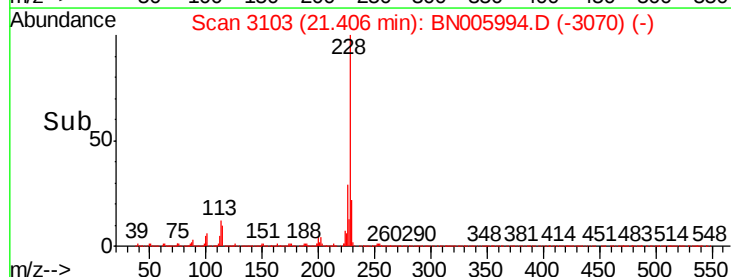
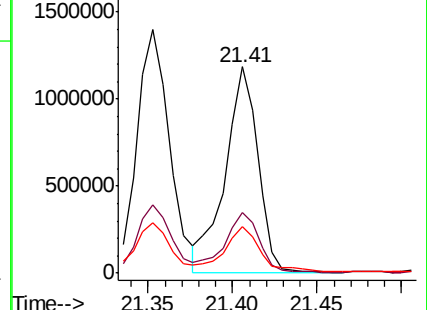
229 22.4 15.4 23.0

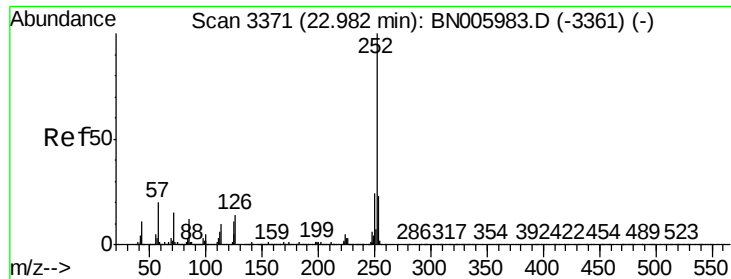


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 26.796 ng/ul

RT: 22.98 min Scan# 3370

Delta R.T. -0.01 min

Lab File: BN005994.D

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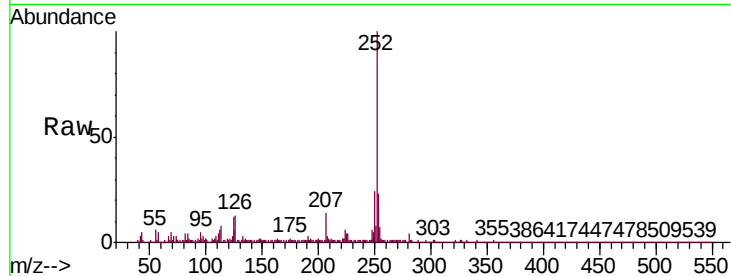
Tgt Ion:252 Resp: 2031757

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

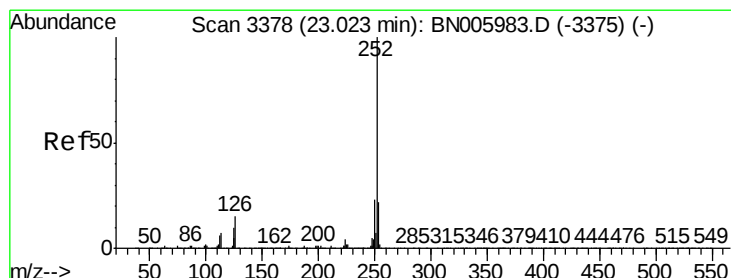
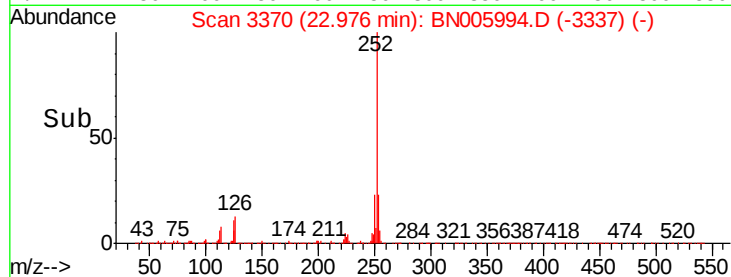
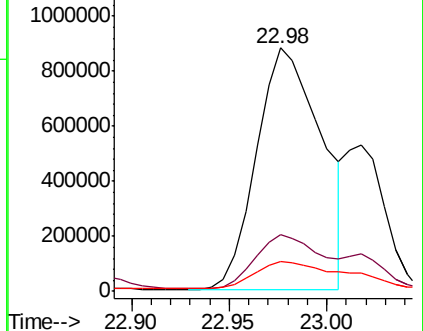
125 12.4 8.4 12.6



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: 29.143 ng/ul

RT: 22.98 min Scan# 3370

Delta R.T. -0.05 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

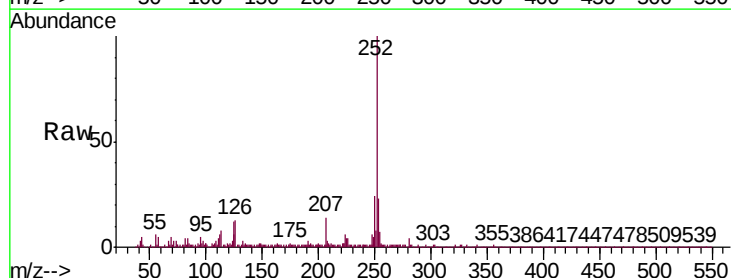
Tgt Ion:252 Resp: 2031757

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

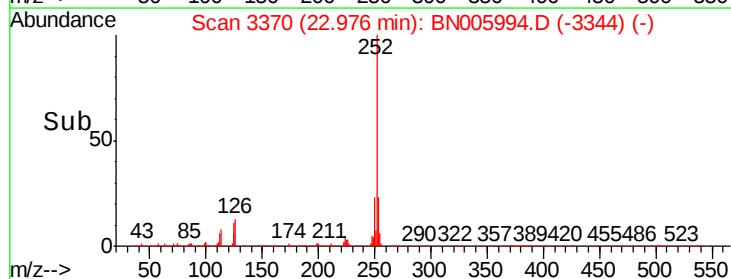
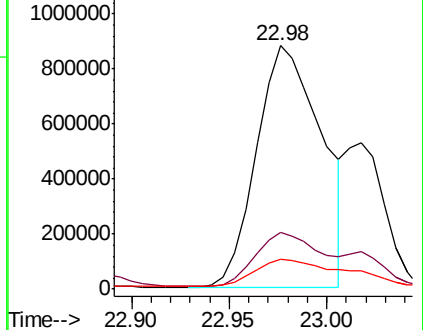
125 12.4 7.5 11.3#

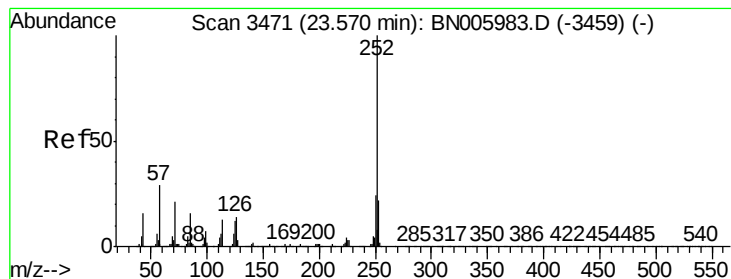


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 20.768 ng/ul

RT: 23.56 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampled :

A42B8DL

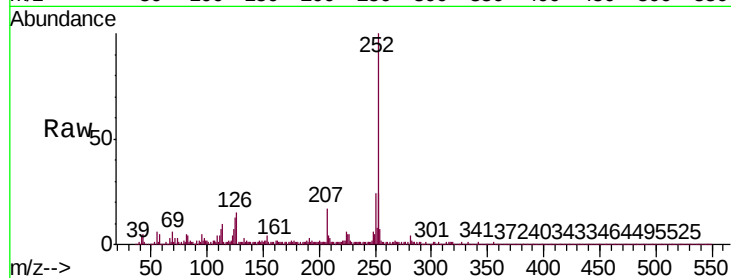
Tgt Ion:252 Resp: 1484982

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

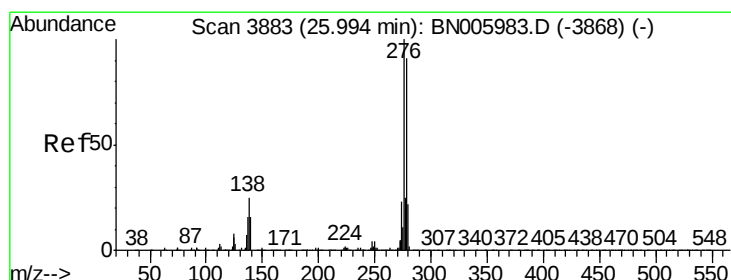
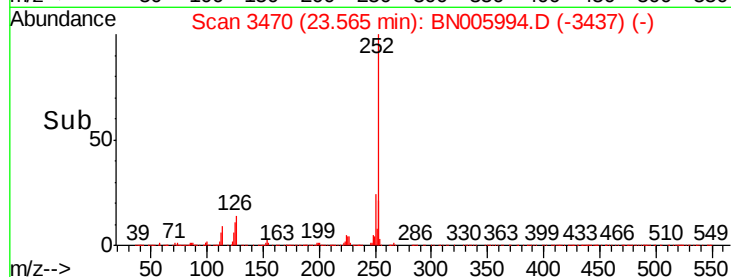
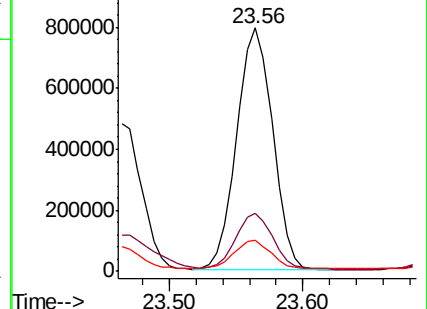
125 12.6 8.6 13.0



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: 11.763 ng/ul

RT: 25.98 min Scan# 3881

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

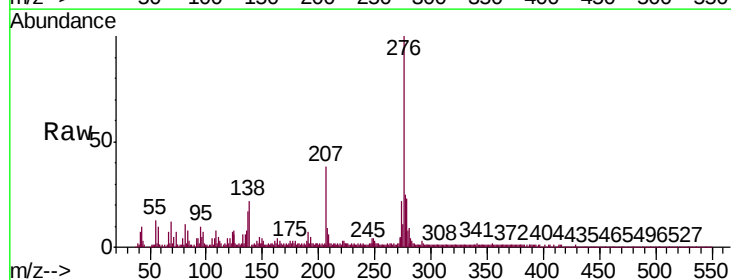
Tgt Ion:276 Resp: 986957

Ion Ratio Lower Upper

276 100

138 21.7 17.9 26.9

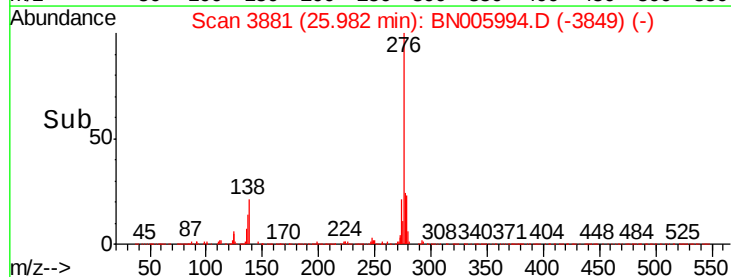
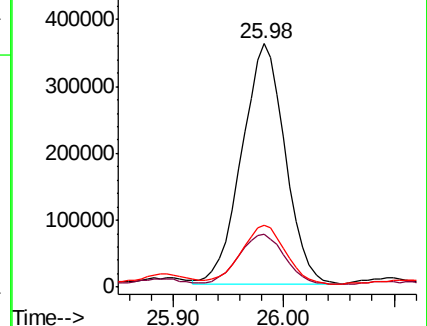
277 25.5 19.7 29.5

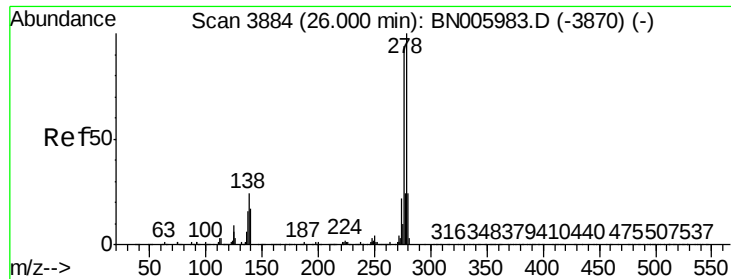


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.730 ng/ul

RT: 25.98 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampleId :

A42B8DL

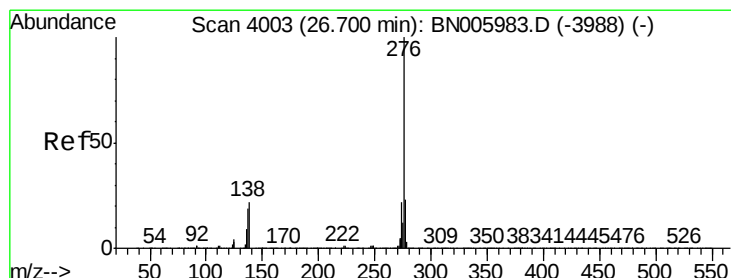
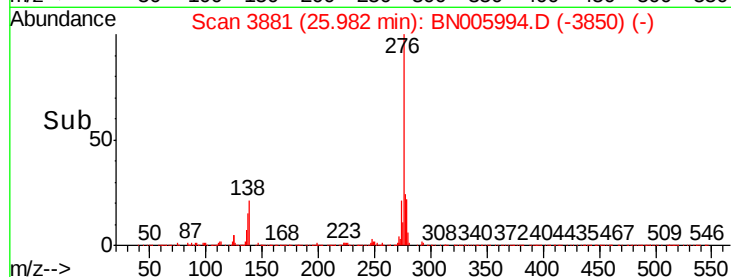
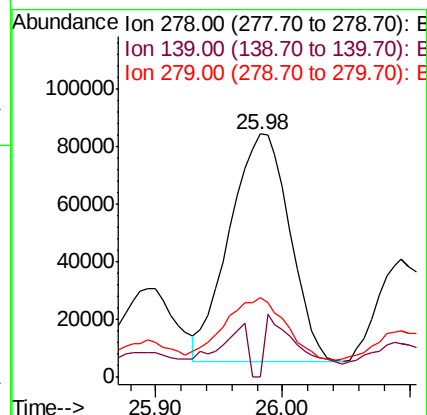
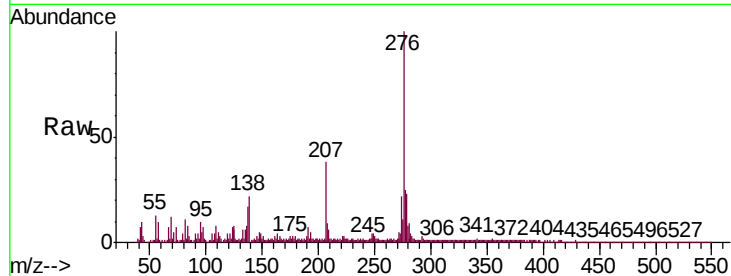
Tgt Ion:278 Resp: 260590

Ion Ratio Lower Upper

278 100

139 0.0 13.1 19.7#

279 32.9 19.4 29.0#



#93

Benzo(g,h,i)perylene

Concen: 9.764 ng/ul

RT: 26.69 min Scan# 4002

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Tgt Ion:276 Resp: 690003

Ion Ratio Lower Upper

276 100

138 25.1 16.7 25.1

277 26.3 18.2 27.2

