

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005943.D
 Acq On : 29 May 2019 22:33
 Operator : JU/SJ
 Sample : K2928-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 30 05:02:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 02:28:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	595279	20.00	ng/ul	0.01
18) Naphthalene-d8	10.53	136	2666817	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.39	164	1532443	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	3108366	20.00	ng/ul	0.03
77) Chrysene-d12	21.36	240	1591030	20.00	ng/ul	0.04
85) Perylene-d12	23.51	264	2596021	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	58529	4.33	ng/uL	0.00
5) Phenol-d5	6.91	99	1338268	25.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.08	67	745956	24.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	1053567	26.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.44	113	1029361	24.17	ng/ul	0.01
19) Nitrobenzene-d5	8.89	128	522960	30.55	ng/ul	0.01
22) 2-Nitrophenol-d4	9.61	143	475842	29.85	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.15	165	1032039	27.42	ng/ul	0.02
29) 4-Chloroaniline-d4	10.66	131	653974	13.25	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	2956448	26.17	ng/ul	0.01
46) Acenaphthylene-d8	14.08	160	3857765	27.30	ng/ul	0.02
51) 4-Nitrophenol-d4	14.59	143	484620	23.57	ng/ul	0.03
57) Fluorene-d10	15.38	176	2954507	31.18	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.49	200	412	0.03	ng/ul	0.01
70) Anthracene-d10	17.25	188	3543546	26.79	ng/ul	0.03
78) Pyrene-d10	19.55	212	2887676	35.94	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.51	264	2552927	22.04	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	6.94	94	91546	1.684	ng/ul	93
28) Naphthalene	10.58	128	2325564	18.374	ng/ul	99
34) 2-Methylnaphthalene	12.19	142	750384	8.048	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	304682	2.681	ng/ul	98
44) Dimethylphthalate	13.84	163	1112754	9.855	ng/ul	100
47) Acenaphthylene	14.11	152	809685	5.843	ng/ul#	97
49) Acenaphthene	14.45	153	2932477	31.149	ng/ul	100
53) Dibenzofuran	14.79	168	2686888	20.218	ng/ul	99
58) Fluorene	15.44	166	4177704	40.024	ng/ul	97
60) 4-Nitroaniline	15.44	138	50023	1.955	ng/ul#	18
69) Phenanthrene	17.29	178	12892246	83.711	ng/ul	95
71) Anthracene	17.29	178	12853398	82.206	ng/ul	95
74) Carbazole	17.55	167	7063762	50.149	ng/ul	98
76) Fluoranthene	19.22	202	3831716	23.306	ng/ul#	83
79) Pyrene	19.65	202	190757	1.893	ng/ul#	59
82) Benzo(a)anthracene	21.35	228	16380244	163.777	ng/ul#	85
83) Bis(2-ethylhexyl)phthalate	21.27	149	173215	2.638	ng/ul#	84
84) Chrysene	21.41	228	15435730	165.475	ng/ul#	86
87) Benzo(b)fluoranthene	22.98	252	20713738	142.059	ng/ul	94
88) Benzo(k)fluoranthene	22.88	252	149320	1.114	ng/ul#	1
90) Benzo(a)pyrene	23.57	252	14995881	109.058	ng/ul	94
91) Indeno(1,2,3-cd)pyrene	25.72	276	1469888	9.110	ng/ul	94

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 02:28:30 2019
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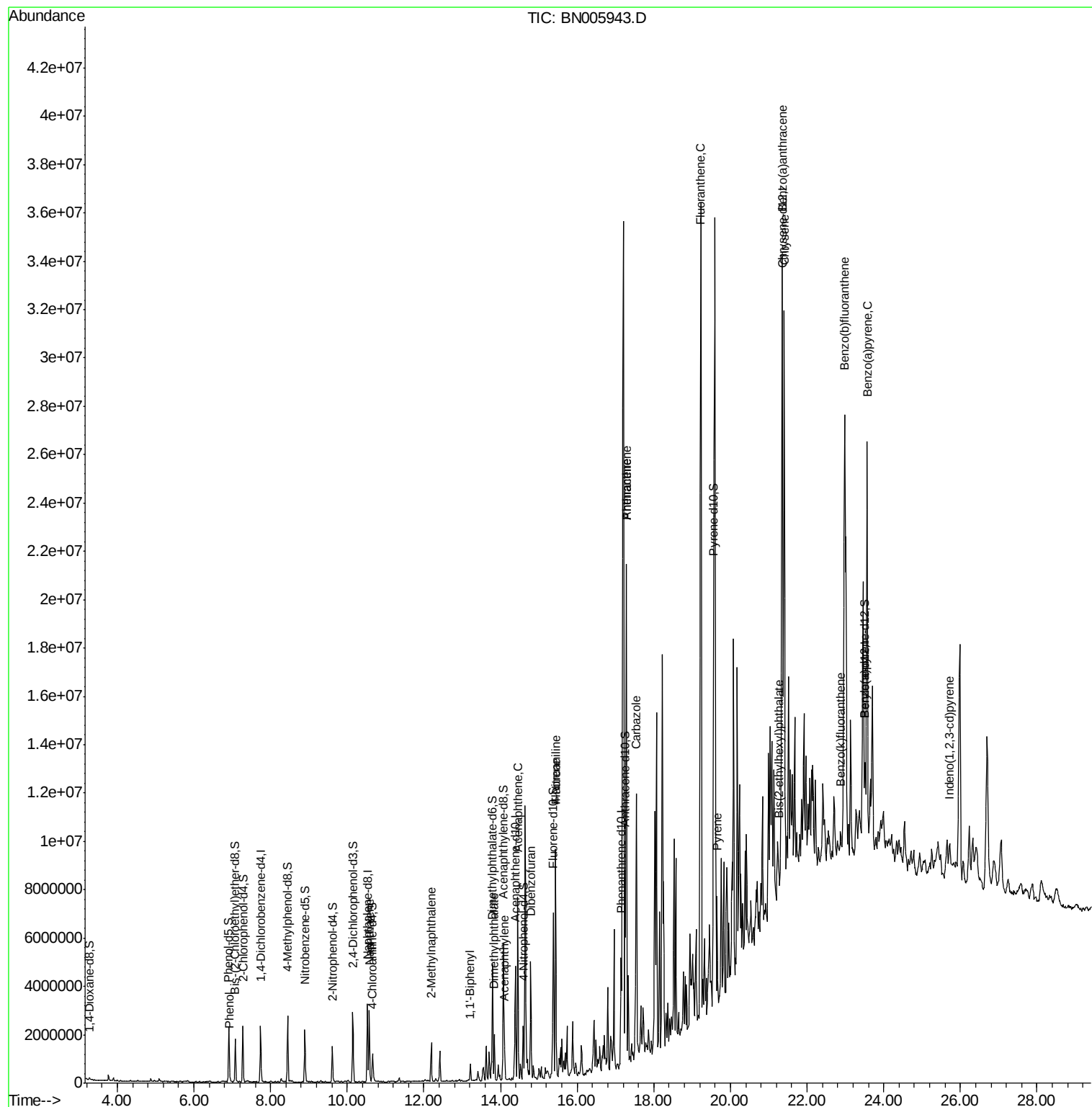
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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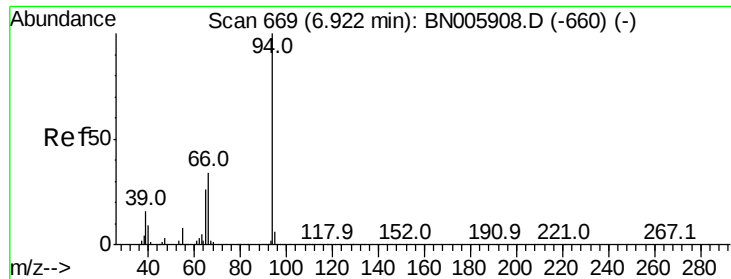
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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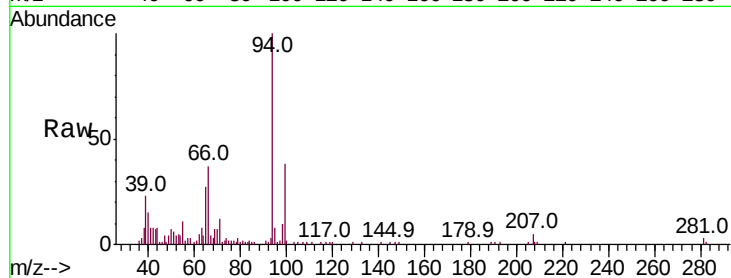
#6

Phenol

Concen: 1.684 ng/ul
 RT: 6.94 min Scan# 644
 Delta R.T. 0.02 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	94	Resp	91546
Ion	Ratio	Lower	Upper
94	100		
65	27.3	24.2	36.4
66	37.2	33.8	50.6

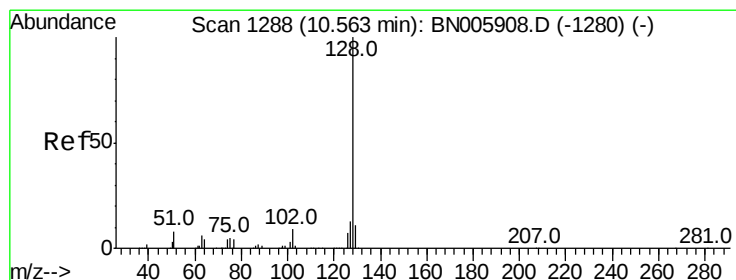
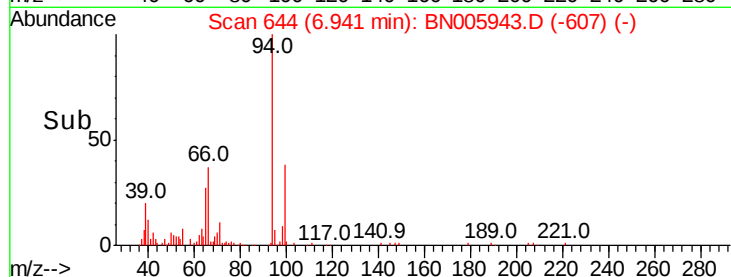
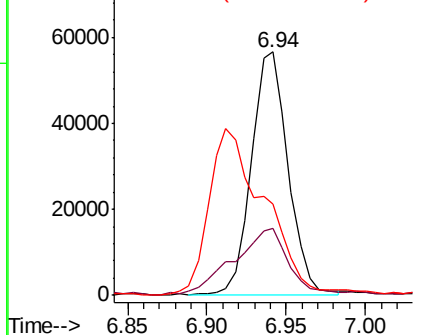


Abundance

Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0

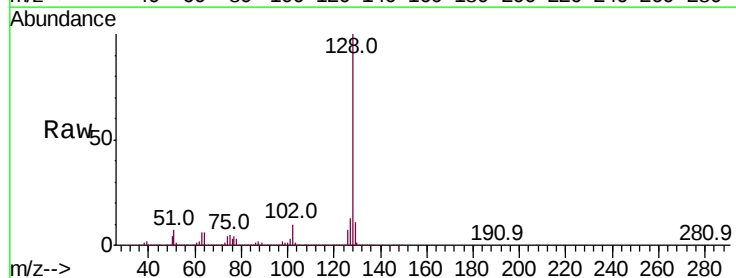


#28

Naphthalene

Concen: 18.374 ng/ul
 RT: 10.58 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Tgt Ion	128	Resp	2325564
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.0	10.7	16.1

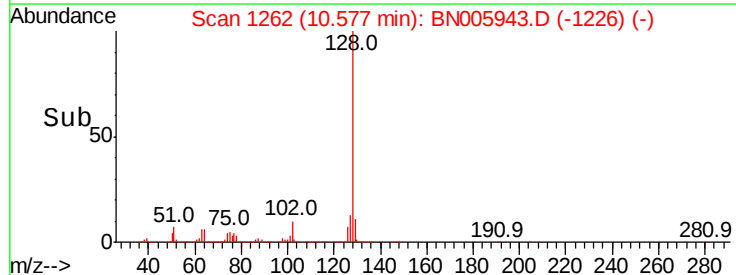
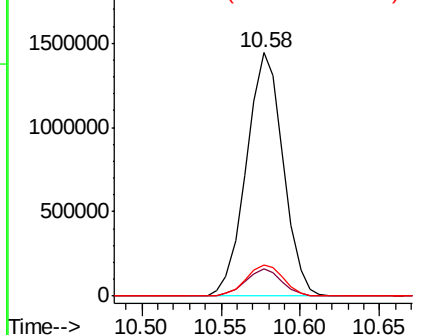


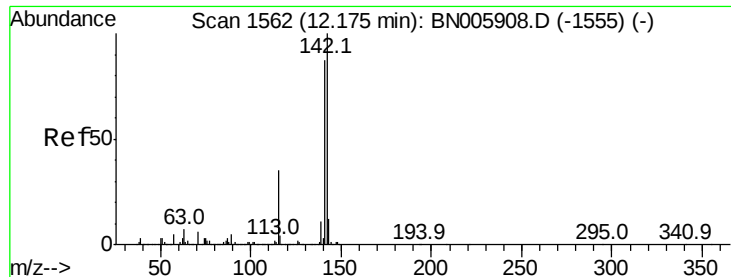
Abundance

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: 8.048 ng/ul

RT: 12.19 min Scan# 1537

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

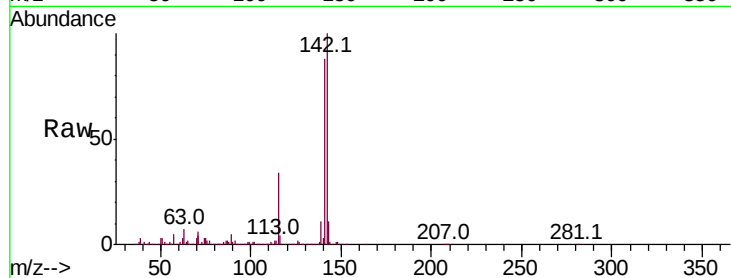
ClientSampled :

Tot Ion:142 Resp: 750384

Ion Ratio Lower Upper

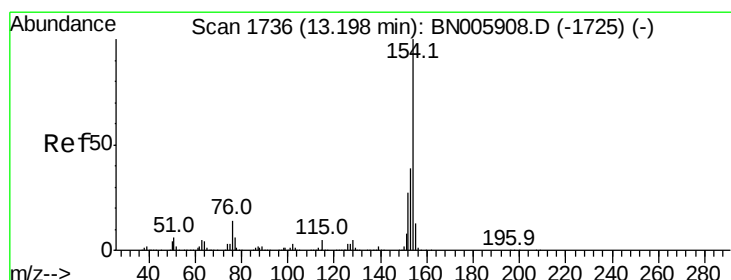
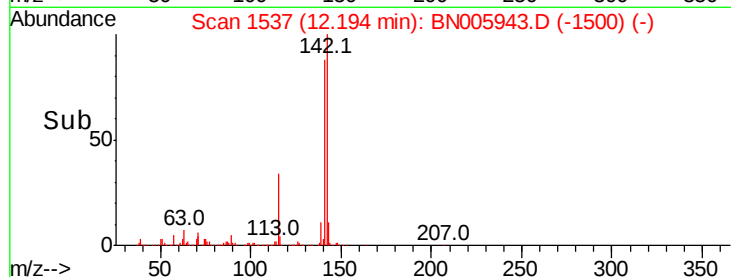
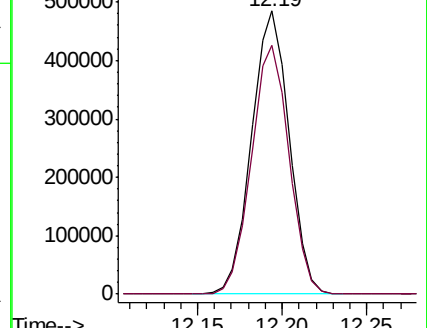
142 100

141 87.8 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 2.681 ng/ul

RT: 13.21 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

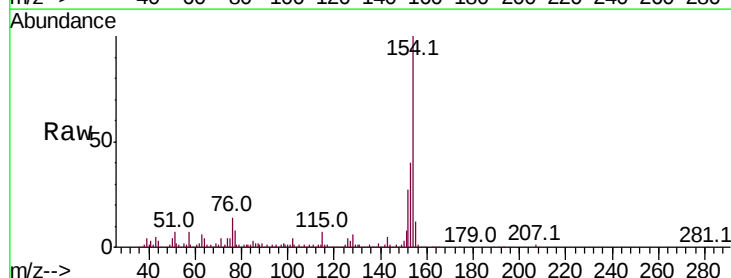
Tgt Ion:154 Resp: 304682

Ion Ratio Lower Upper

154 100

153 39.9 32.6 49.0

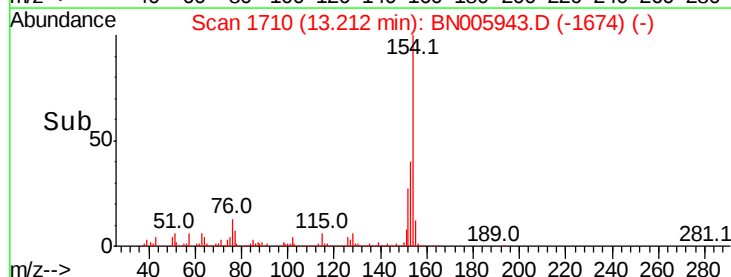
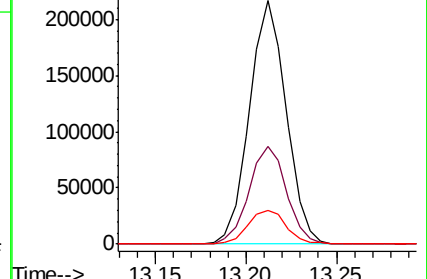
76 13.7 10.4 15.6

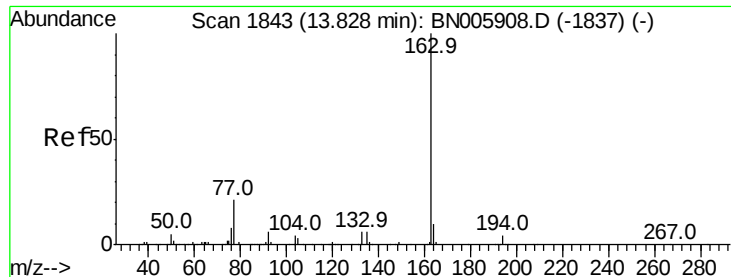


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC





#44

Dimethylphthalate

Concen: 9.855 ng/ul

RT: 13.84 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

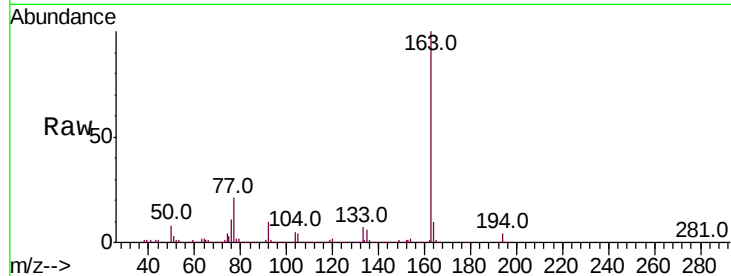
Tot Ion:163 Resp: 1112754

Ion Ratio Lower Upper

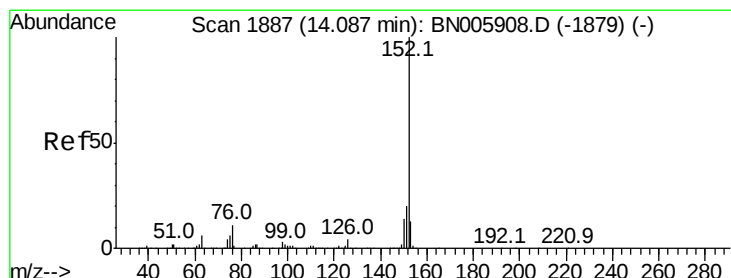
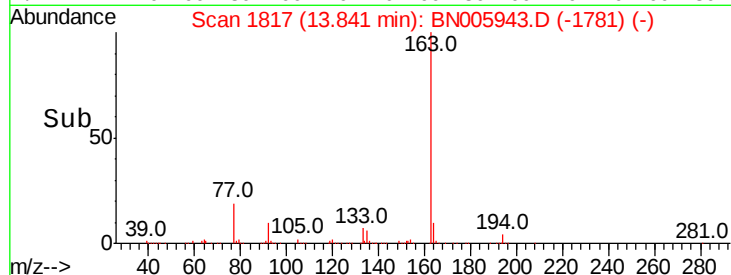
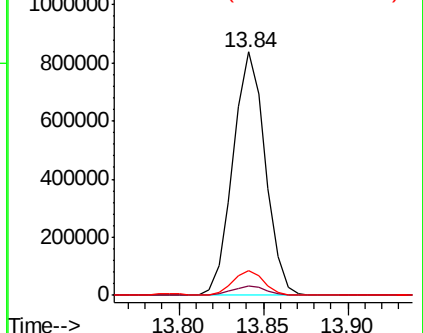
163 100

194 4.1 3.4 5.0

164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 5.843 ng/ul

RT: 14.11 min Scan# 1862

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

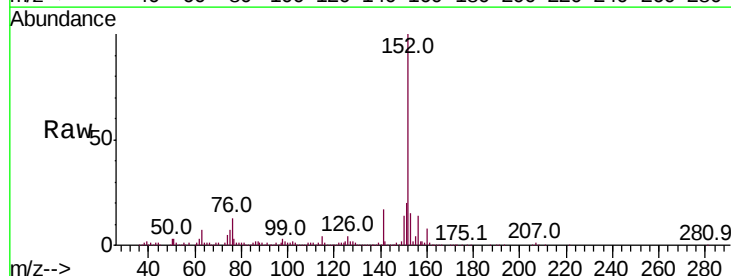
Tgt Ion:152 Resp: 809685

Ion Ratio Lower Upper

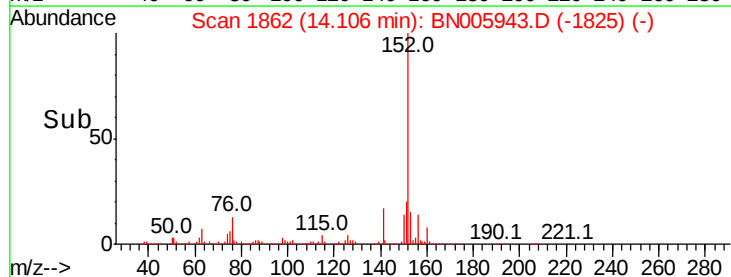
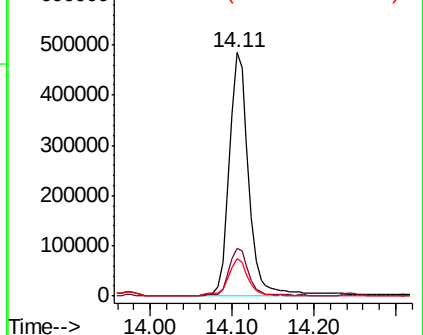
152 100

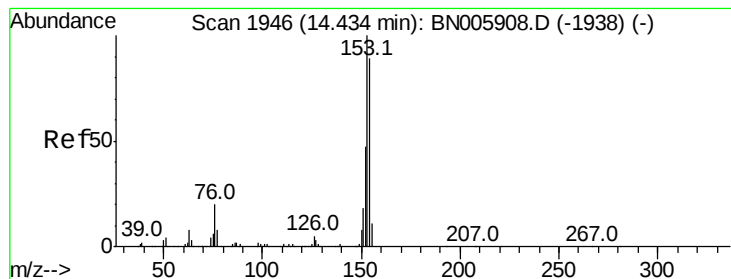
151 19.8 15.8 23.8

153 15.3 9.8 14.8#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 31.149 ng/ul

RT: 14.45 min Scan# 1921

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

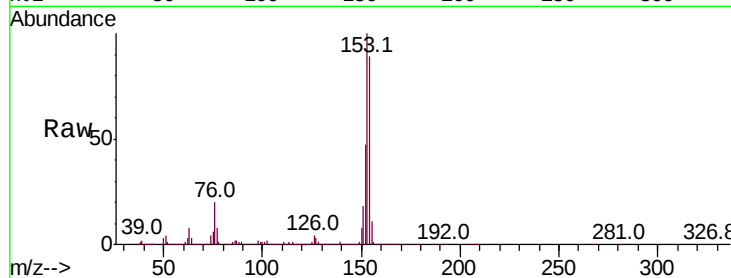
Instrument :

BNA_N

ClientSampleId :

Tot Ion:153 Resp: 2932477

Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.4	56.0
154	89.3	71.2	106.8

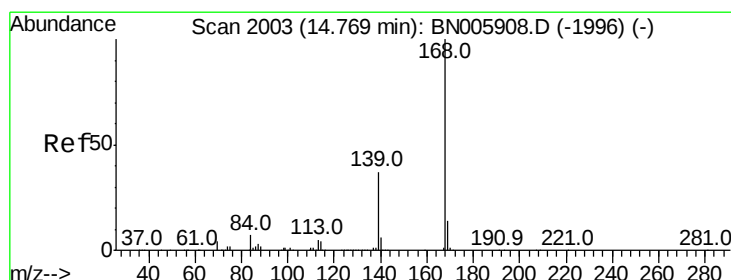
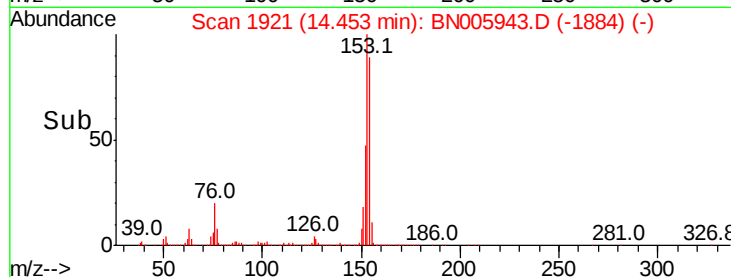
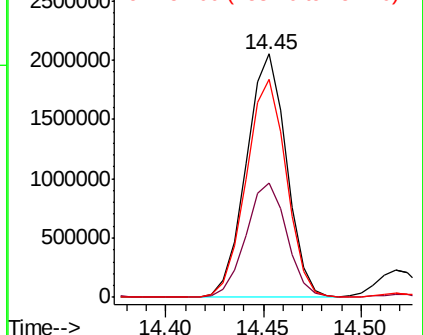


Abundance

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: 20.218 ng/ul

RT: 14.79 min Scan# 1978

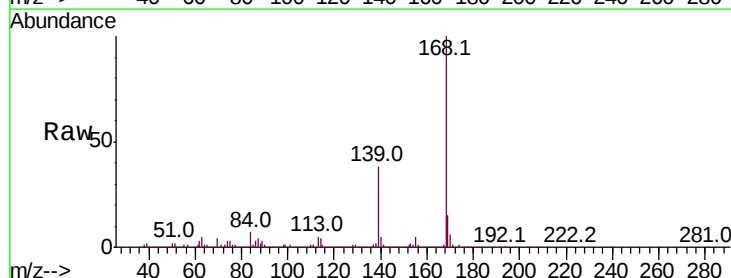
Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Tgt Ion:168 Resp: 2686888

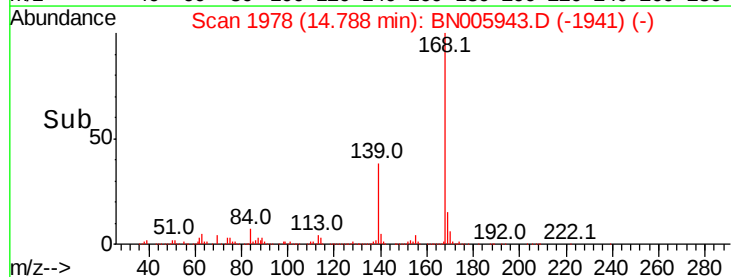
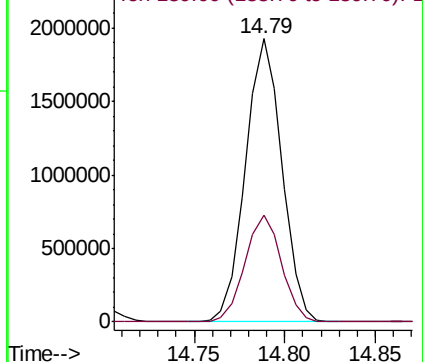
Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.9	46.3

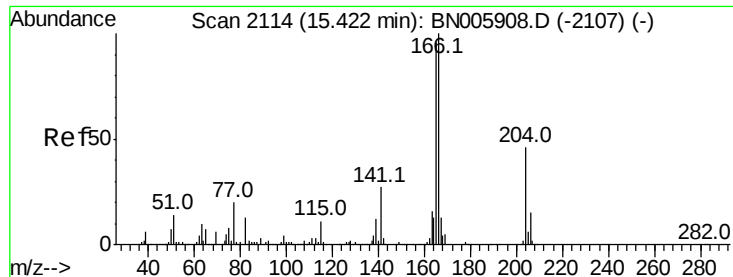


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 40.024 ng/ul

RT: 15.44 min Scan# 2089

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

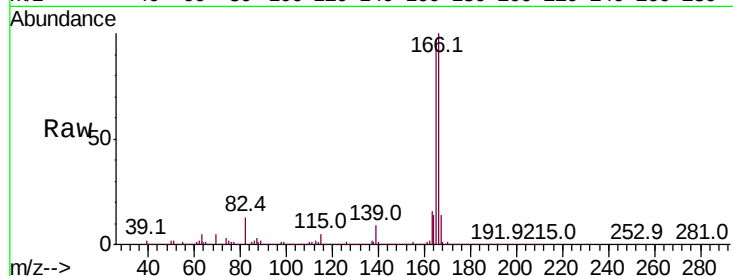
Tot Ion:166 Resp: 4177704

Ion Ratio Lower Upper

166 100

165 97.3 80.0 120.0

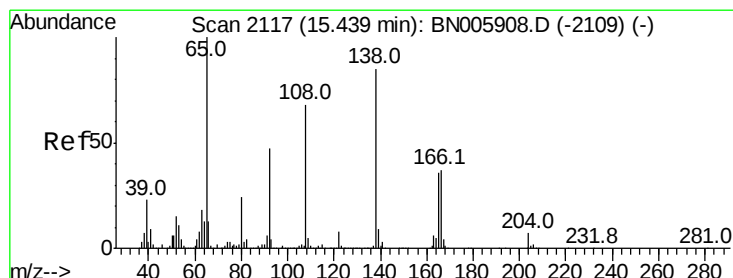
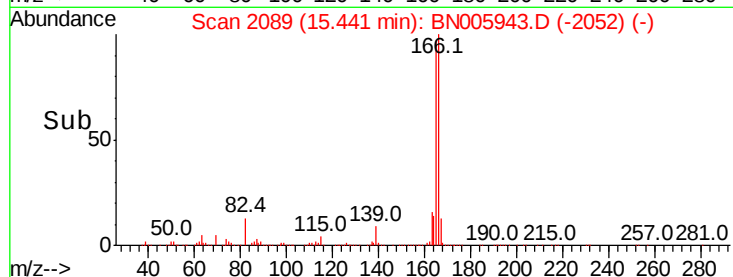
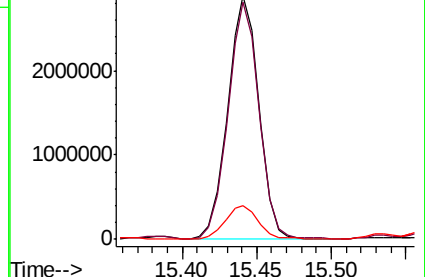
167 13.8 10.7 16.1



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



#60

4-Nitroaniline

Concen: 1.955 ng/ul

RT: 15.44 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

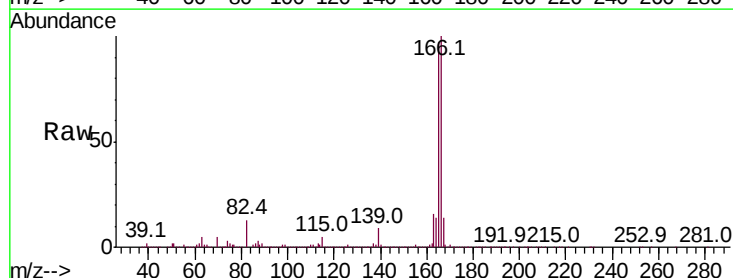
Tgt Ion:138 Resp: 50023

Ion Ratio Lower Upper

138 100

92 6.0 45.3 67.9#

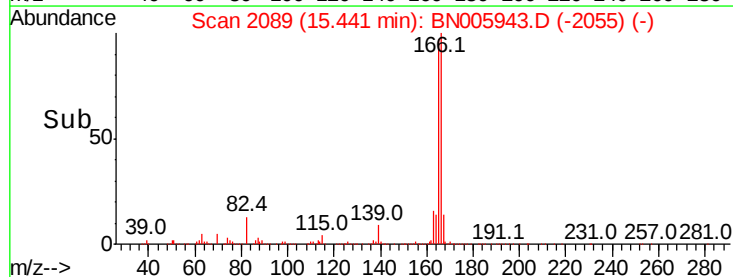
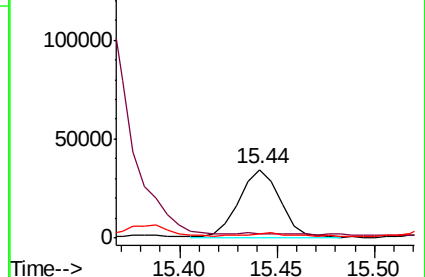
108 5.3 73.2 109.8#

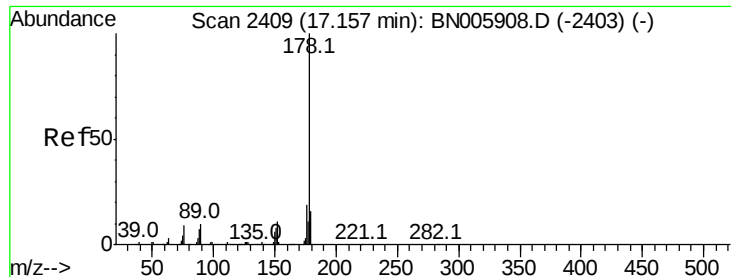


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 83.711 ng/ul

RT: 17.29 min Scan# 2403

Delta R.T. 0.13 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

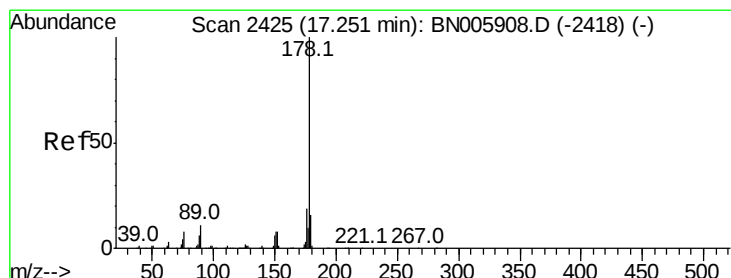
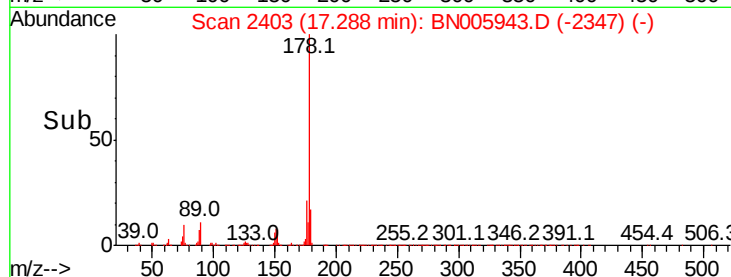
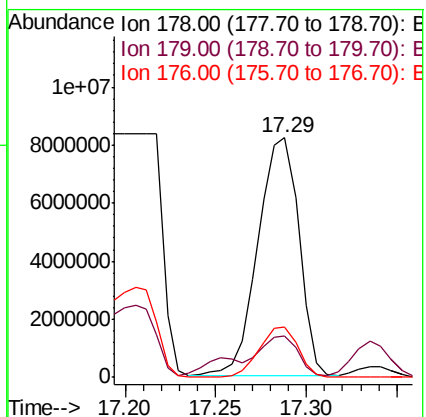
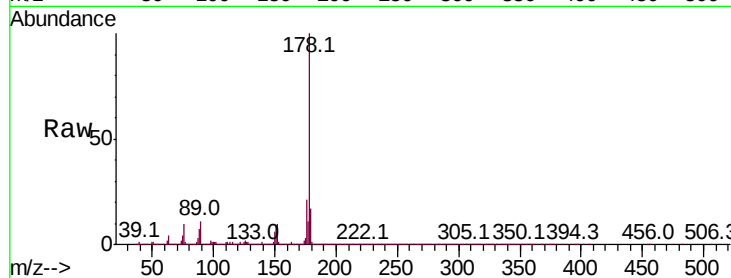
Tot Ion:178 Resp:12892246

Ion Ratio Lower Upper

178 100

179 17.1 12.2 18.4

176 21.2 15.1 22.7



#71

Anthracene

Concen: 82.206 ng/ul

RT: 17.29 min Scan# 2403

Delta R.T. 0.04 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

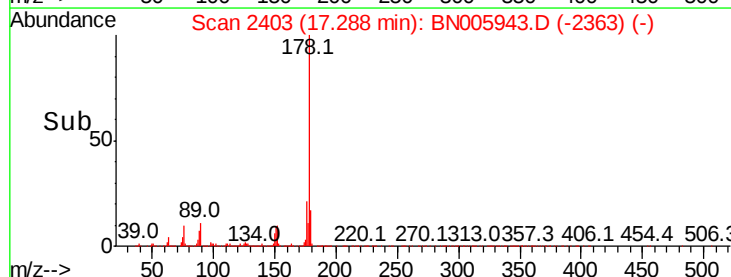
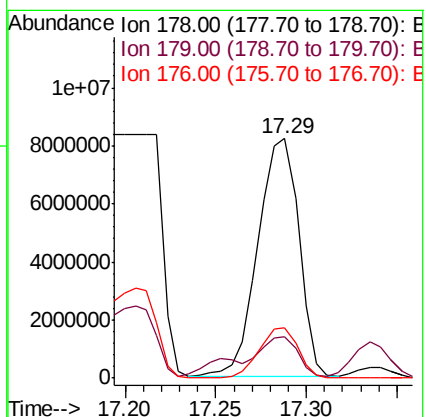
Tgt Ion:178 Resp:12853398

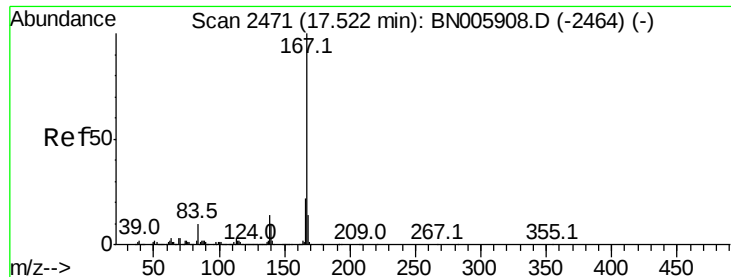
Ion Ratio Lower Upper

178 100

179 17.1 12.3 18.5

176 21.2 15.1 22.7





#74

Carbazole

Concen: 50.149 ng/ul

RT: 17.55 min Scan# 2447

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

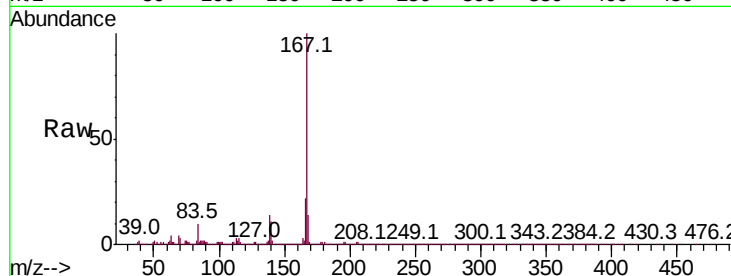
Tot Ion:167 Resp: 7063762

Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

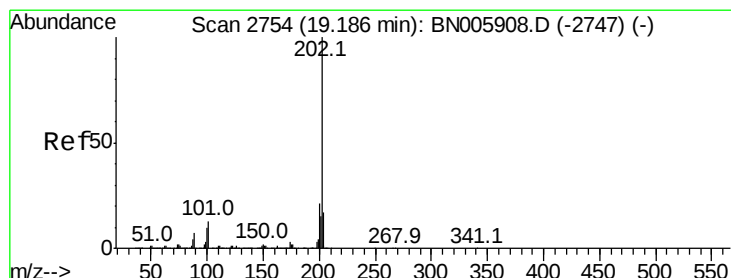
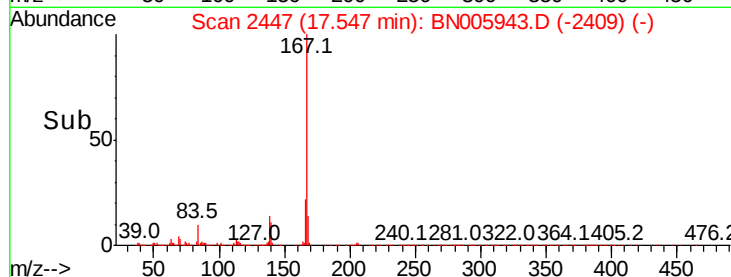
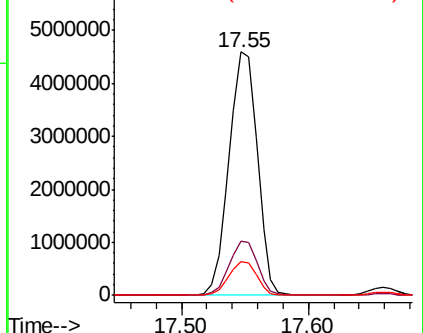
139 13.9 10.6 16.0



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: 23.306 ng/ul

RT: 19.22 min Scan# 2731

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

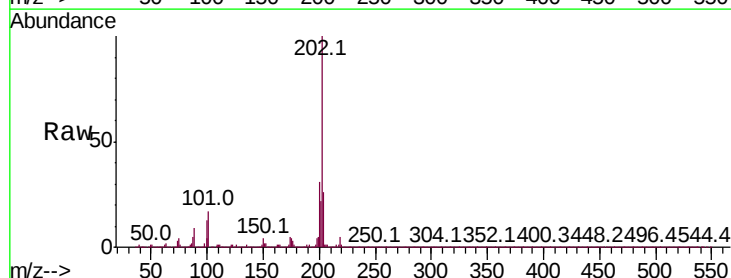
Tgt Ion:202 Resp: 3831716

Ion Ratio Lower Upper

202 100

101 17.4 8.6 12.8#

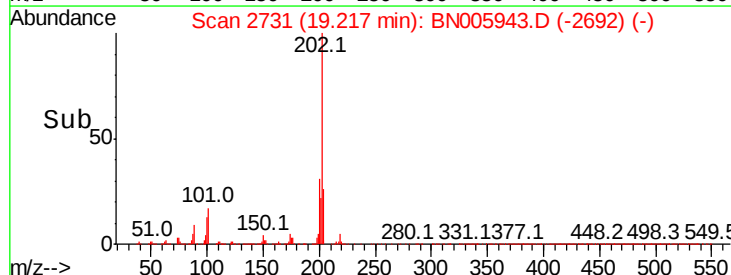
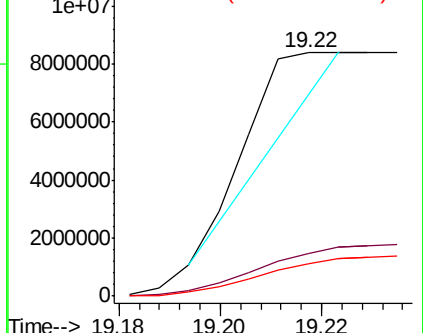
100 13.2 6.3 9.5#

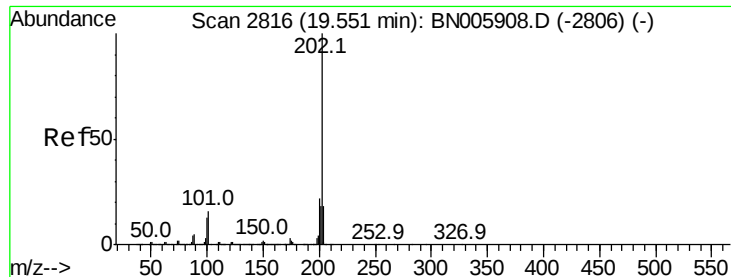


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 1.893 ng/ul

RT: 19.65 min Scan# 2804

Delta R.T. 0.10 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampled :

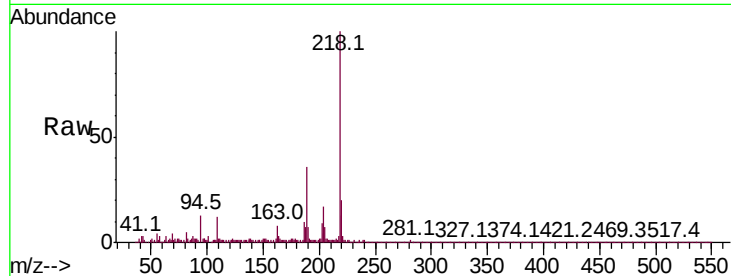
Tot Ion:202 Resp: 190757

Ion Ratio Lower Upper

202 100

101 37.5 10.3 15.5#

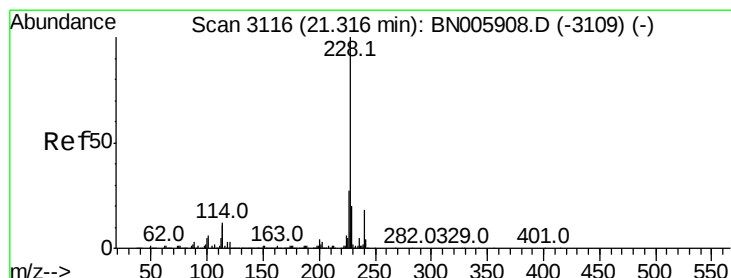
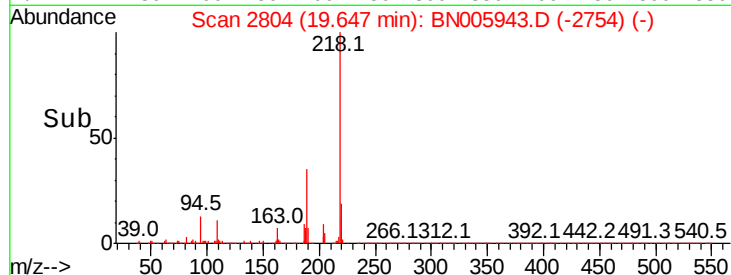
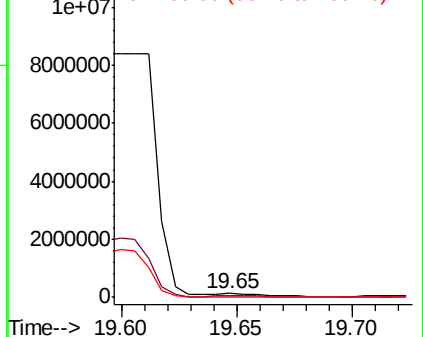
100 14.7 7.9 11.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 163.777 ng/ul

RT: 21.35 min Scan# 3093

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

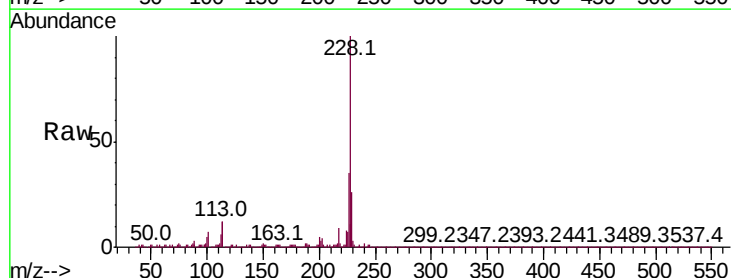
Tgt Ion:228 Resp:16380244

Ion Ratio Lower Upper

228 100

229 26.4 15.8 23.6#

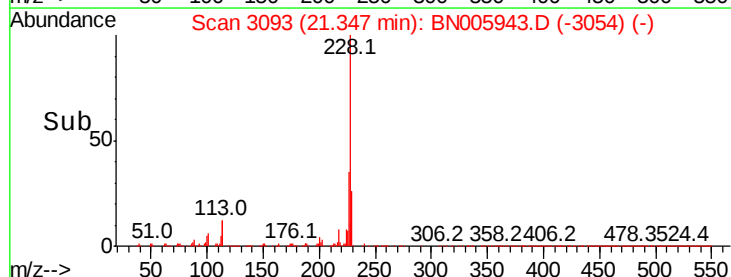
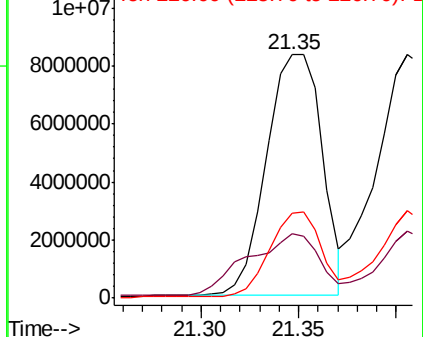
226 35.0 21.4 32.2#

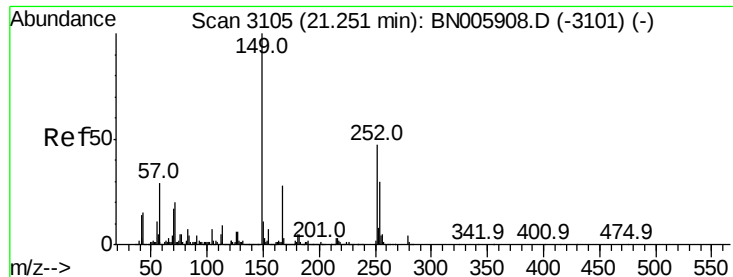


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

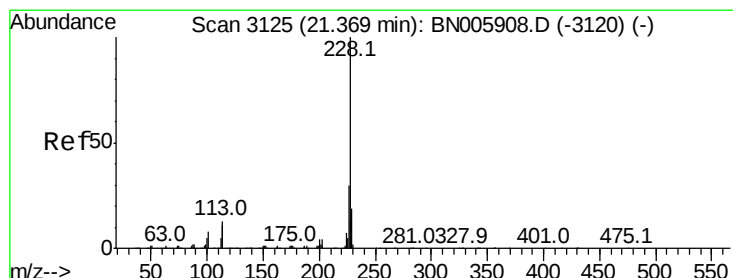
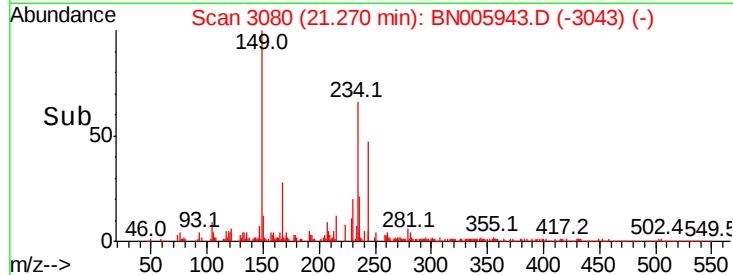
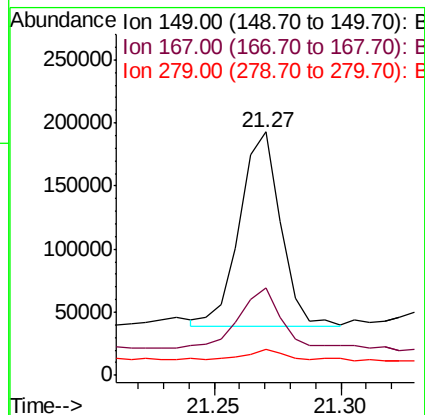
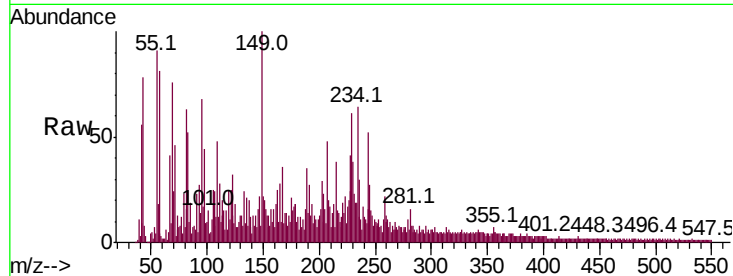




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.638 ng/ul
 RT: 21.27 min Scan# 3080
 Delta R.T. 0.02 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

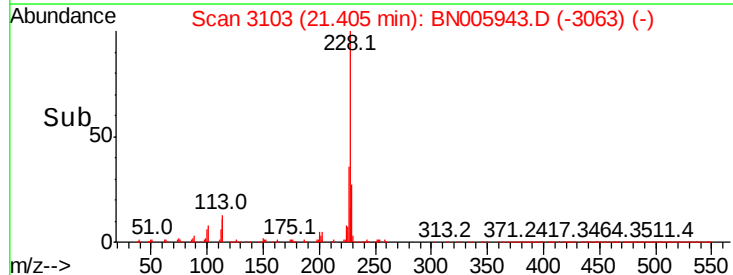
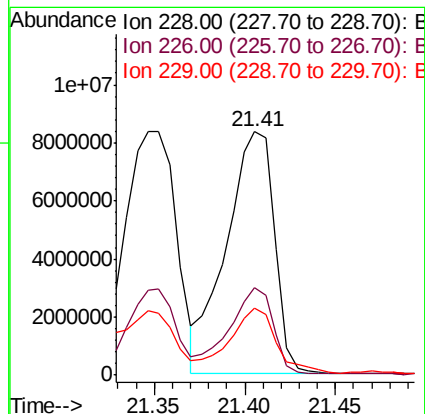
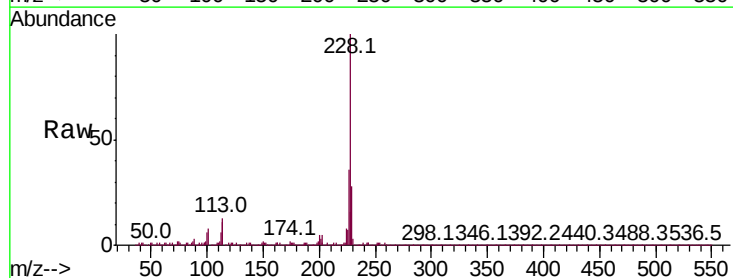
Instrument :
 BNA_N
 ClientSampled :

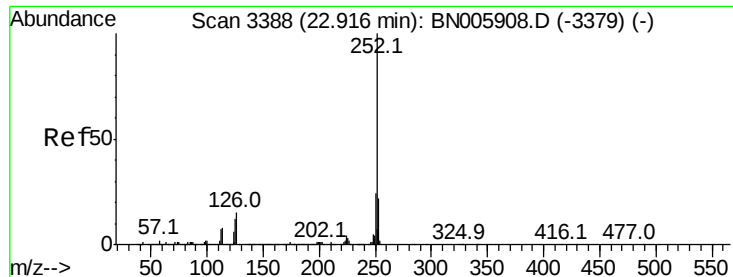
Tot Ion:149 Resp: 173215
 Ion Ratio Lower Upper
 149 100
 167 36.1 22.3 33.5#
 279 10.6 3.3 4.9#



#84
 Chrysene
 Concen: 165.475 ng/ul
 RT: 21.41 min Scan# 3103
 Delta R.T. 0.04 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Tgt Ion:228 Resp:15435730
 Ion Ratio Lower Upper
 228 100
 226 35.9 24.0 36.0
 229 27.6 15.4 23.0#





#87

Benzo(b)fluoranthene

Concen: 142.059 ng/ul

RT: 22.98 min Scan# 3371

Delta R.T. 0.07 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

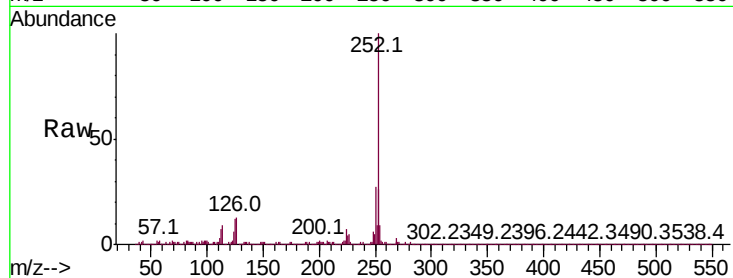
Tot Ion:252 Resp:20713738

Ion Ratio Lower Upper

252 100

253 25.7 17.7 26.5

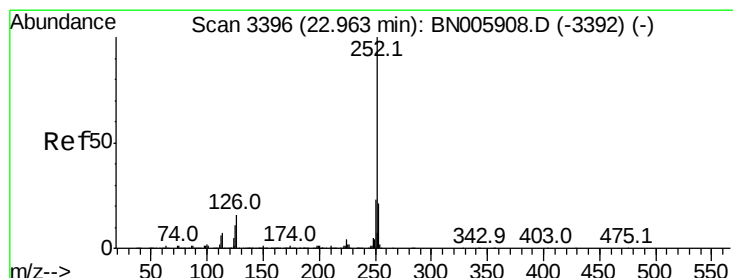
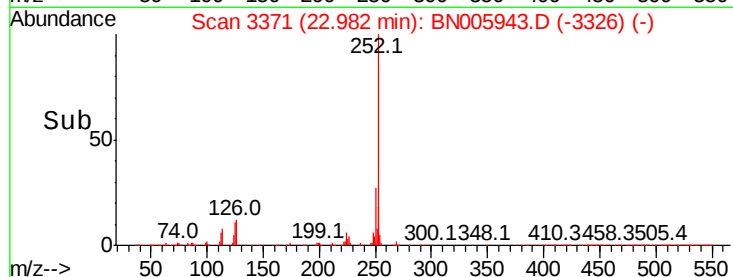
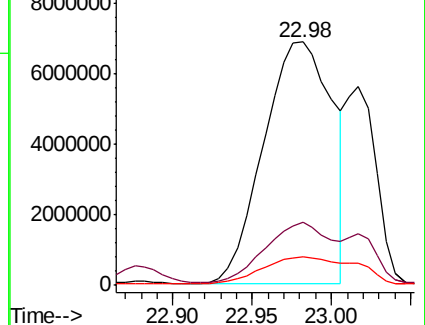
125 12.0 8.4 12.6



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: 1.114 ng/ul

RT: 22.88 min Scan# 3353

Delta R.T. -0.09 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

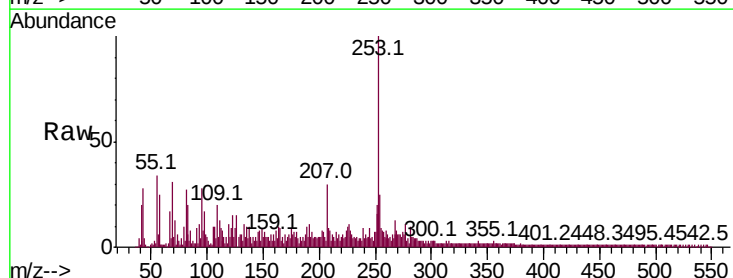
Tgt Ion:252 Resp: 149320

Ion Ratio Lower Upper

252 100

253 508.9 17.4 26.0#

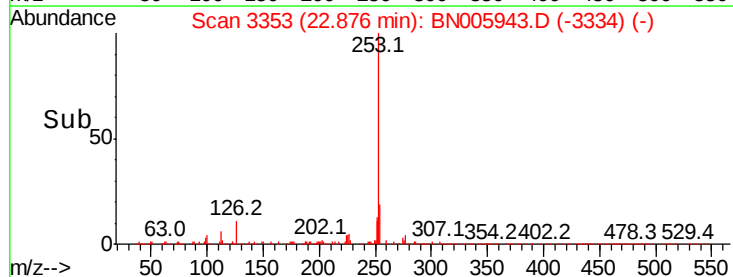
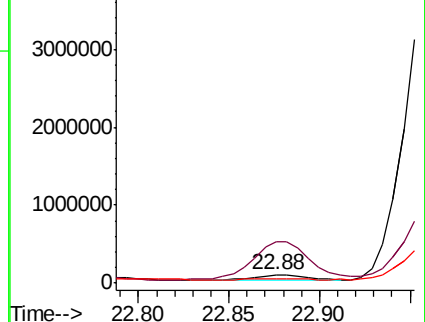
125 47.9 7.5 11.3#

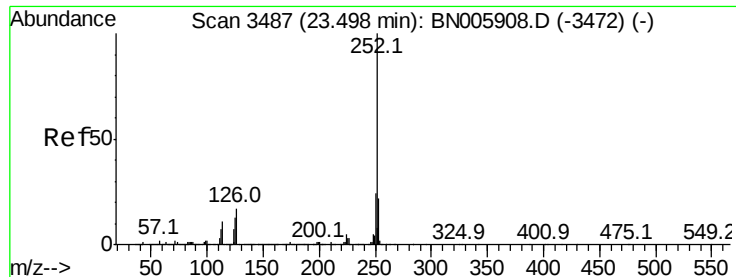


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 109.058 ng/ul

RT: 23.57 min Scan# 3471

Delta R.T. 0.07 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

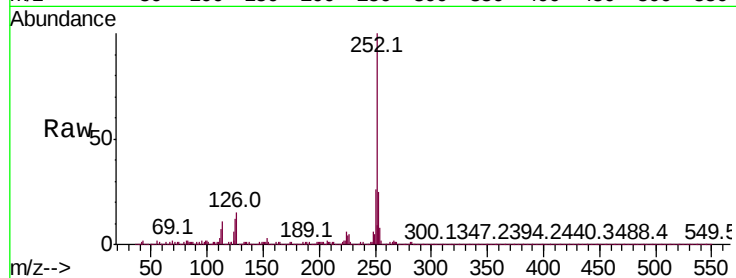
Tot Ion:252 Resp:14995881

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

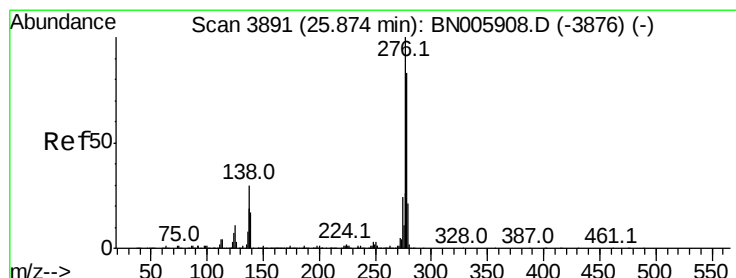
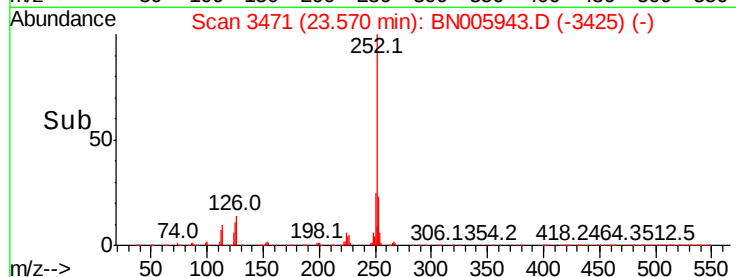
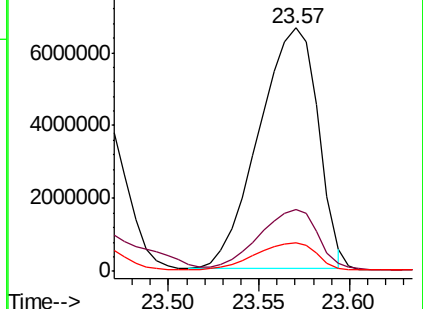
125 11.7 8.6 13.0



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: 9.110 ng/ul

RT: 25.72 min Scan# 3836

Delta R.T. -0.16 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

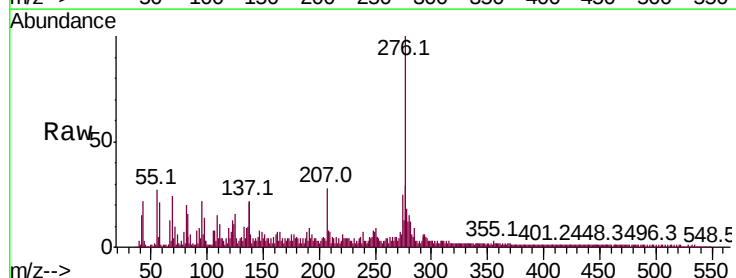
Tgt Ion:276 Resp: 1469888

Ion Ratio Lower Upper

276 100

138 21.3 17.9 26.9

277 28.9 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

