

Data File : BN009185.D
Acq On : 26 Dec 2019 22:40
Operator : JU
Sample : K6381-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R9

Quant Time: Dec 27 01:34:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 27 01:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	323383	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1442973	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	929892	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1907087	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1489250	20.00	ng/ul	0.00
85) Perylene-d12	23.24	264	1335535	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	41687	5.89	ng/uL	0.00
5) Phenol-d5	6.72	99	968232	31.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	640999	32.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	731870	33.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	789507	31.81	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	384482	35.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	435902	35.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	760687	33.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	1055134	38.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2240712	32.08	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2852750	34.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	417250	30.05	ng/ul	0.00
57) Fluorene-d10	15.16	176	1990540	32.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	240977	20.25	ng/ul	0.00
70) Anthracene-d10	17.00	188	2956044	33.32	ng/ul	0.00
78) Pyrene-d10	19.30	212	3175081	40.86	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2330735	34.64	ng/ul	0.00

Target Compounds

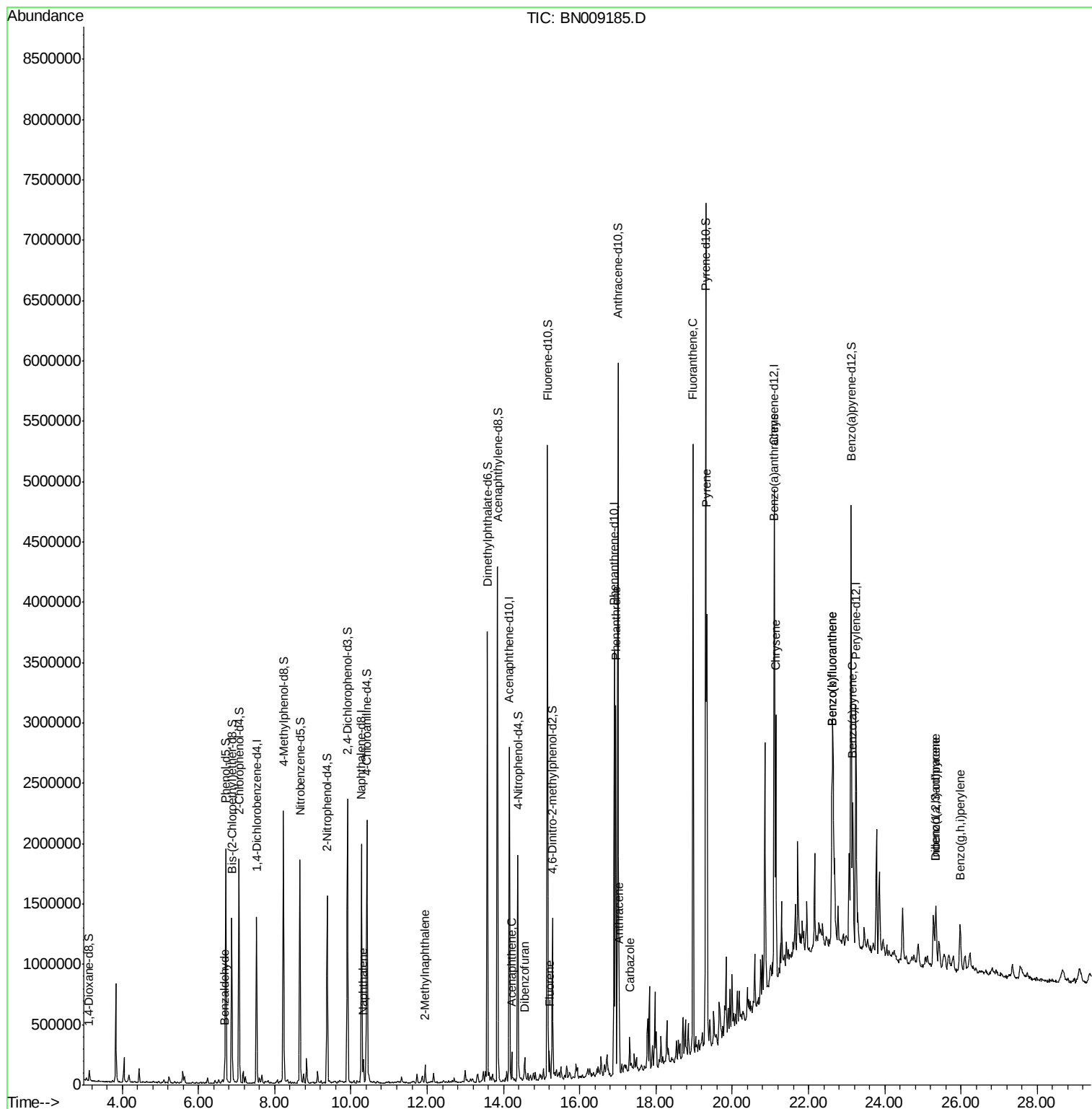
					Qvalue	
4) Benzaldehyde	6.68	77	20379	1.057	ng/ul#	82
28) Naphthalene	10.33	128	139541	1.812	ng/ul	97
34) 2-Methylnaphthalene	11.95	142	64775	1.167	ng/ul	100
49) Acenaphthene	14.22	153	79569	1.349	ng/ul	97
53) Dibenzofuran	14.56	168	90971	1.099	ng/ul	99
58) Fluorene	15.21	166	89314	1.291	ng/ul#	95
69) Phenanthrene	16.95	178	1715304	16.313	ng/ul	98
71) Anthracene	17.03	178	352322	3.257	ng/ul	99
74) Carbazole	17.31	167	143059	1.530	ng/ul	99
76) Fluoranthene	18.97	202	2790603	22.979	ng/ul	99
79) Pyrene	19.33	202	2359225	22.841	ng/ul	99
82) Benzo(a)anthracene	21.09	228	1116688	11.097	ng/ul	94
84) Chrysene	21.15	228	1077835	11.146	ng/ul	99
87) Benzo(b)fluoranthene	22.62	252	1195528	14.646	ng/ul	97
88) Benzo(k)fluoranthene	22.62	252	1195528	14.997	ng/ul	98
90) Benzo(a)pyrene	23.16	252	684599	9.134	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.34	276	426864	4.701	ng/ul	97
92) Dibenzo(a,h)anthracene	25.34	278	129132	1.685	ng/ul#	96
93) Benzo(g,h,i)perylene	25.98	276	402186	5.293	ng/ul	98

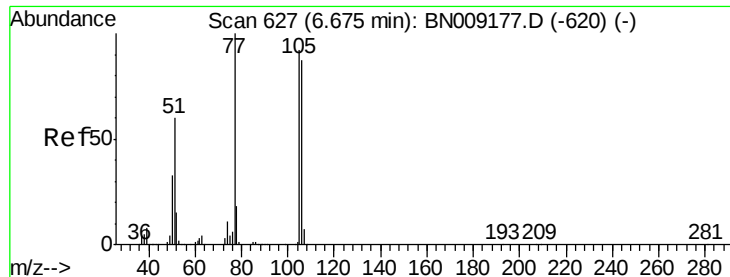
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.057 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. 0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

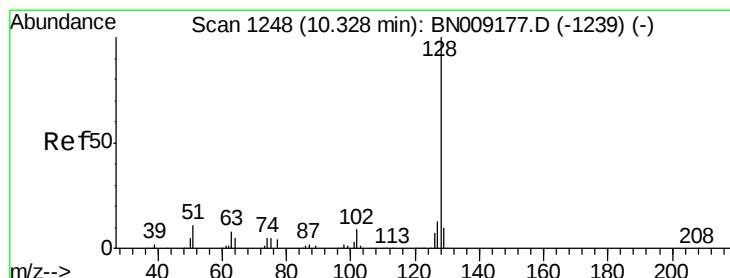
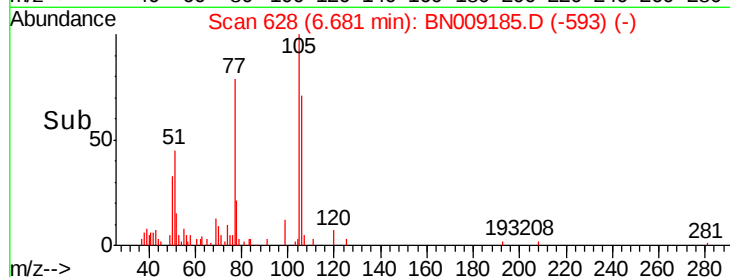
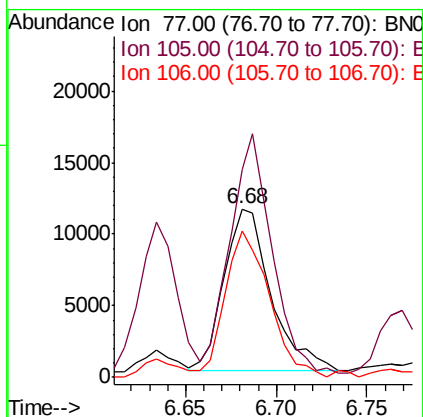
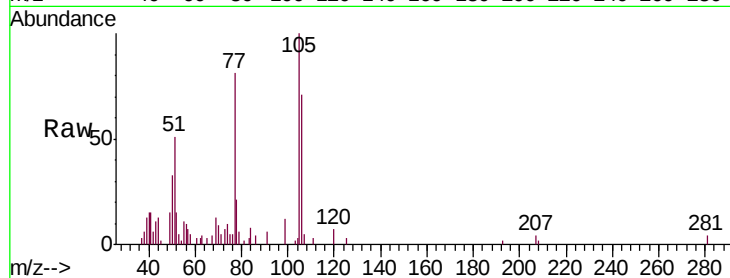
Tgt Ion: 77 Resp: 20379

Ion Ratio Lower Upper

77 100

105 122.9 73.9 110.9#

106 86.7 72.1 108.1



#28

Naphthalene

Concen: 1.812 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

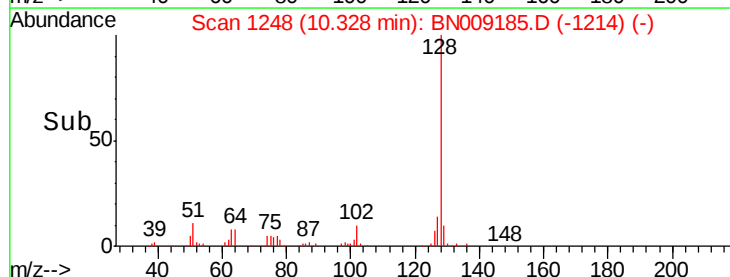
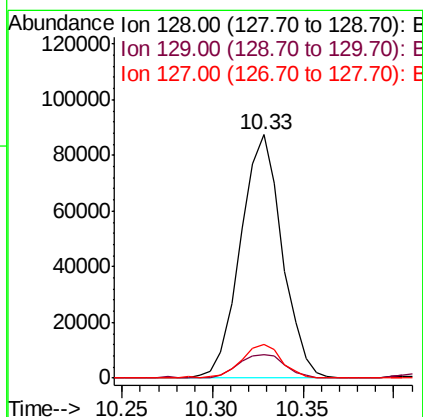
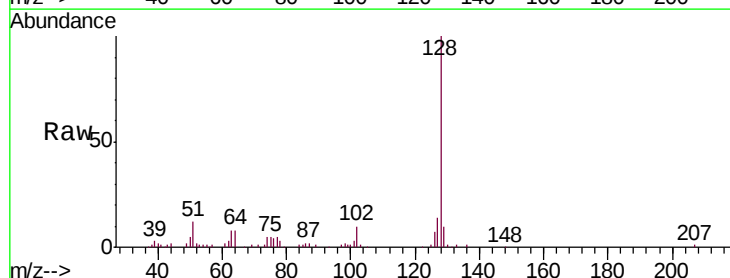
Tgt Ion: 128 Resp: 139541

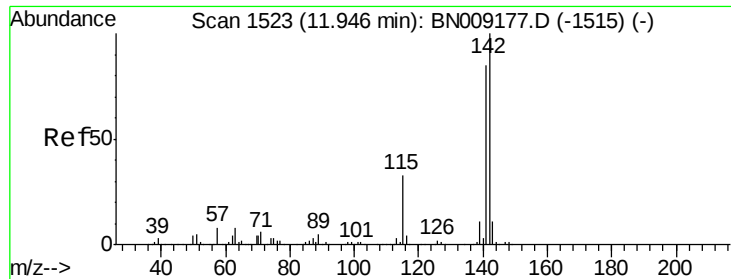
Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

127 14.1 10.4 15.6

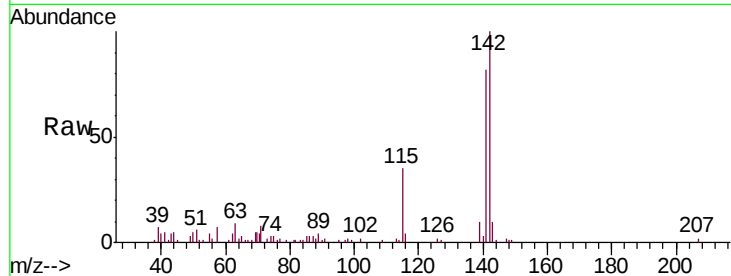




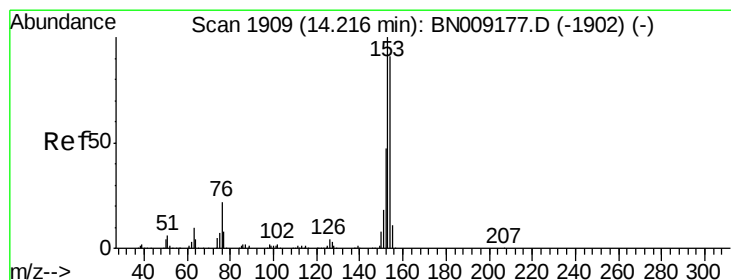
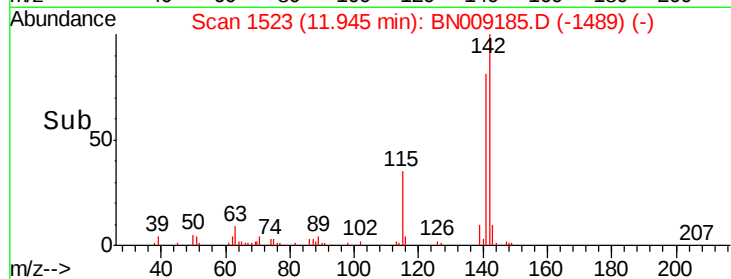
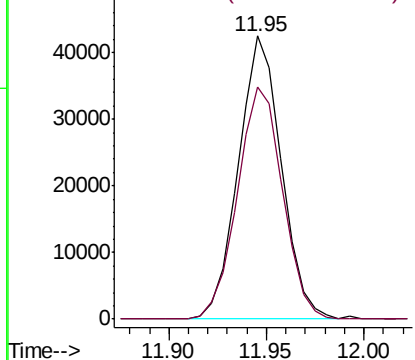
#34
 2-Methylnaphthalene
 Concen: 1.167 ng/ul
 RT: 11.95 min Scan# 1523
 Delta R.T. -0.00 min
 Lab File: BN009185.D
 Acq: 26 Dec 2019 22:40

Instrument :
 BNA_N
 ClientSampleId :
 CB5R9

Tgt Ion:142 Resp: 64775
 Ion Ratio Lower Upper
 142 100
 141 82.2 65.8 98.6

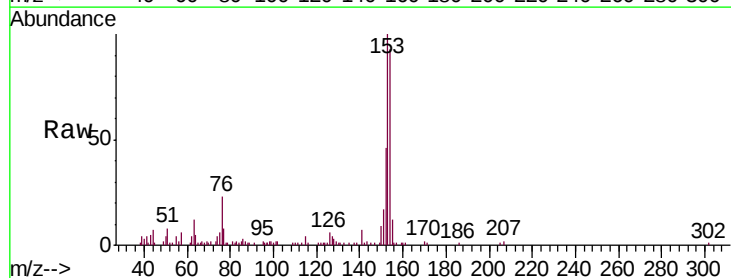


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

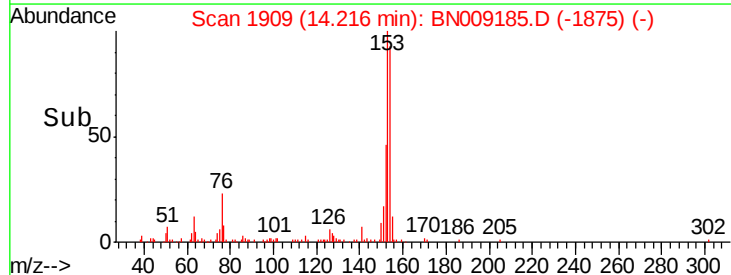
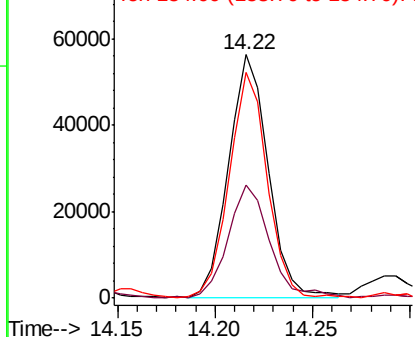


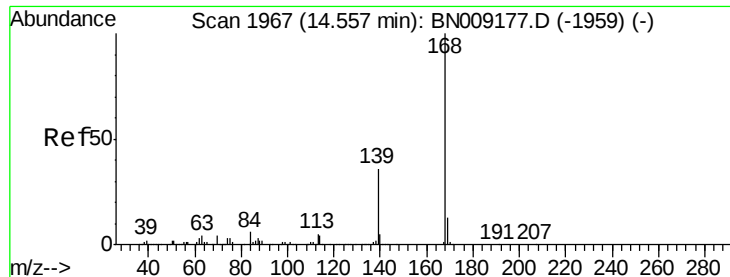
#49
 Acenaphthene
 Concen: 1.349 ng/ul
 RT: 14.22 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: BN009185.D
 Acq: 26 Dec 2019 22:40

Tgt Ion:153 Resp: 79569
 Ion Ratio Lower Upper
 153 100
 152 46.4 37.8 56.8
 154 92.8 71.3 106.9



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: 1.099 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

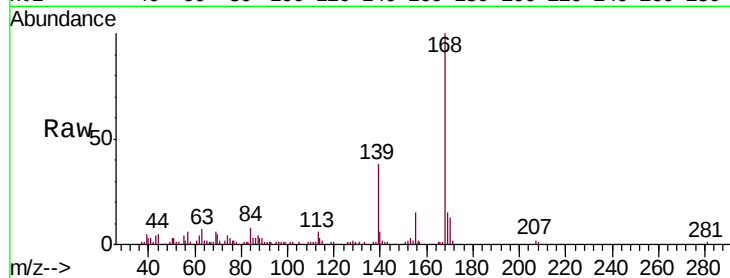
CB5R9

Tgt Ion:168 Resp: 90971

Ion Ratio Lower Upper

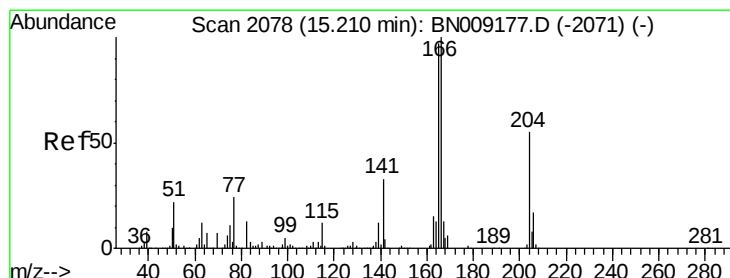
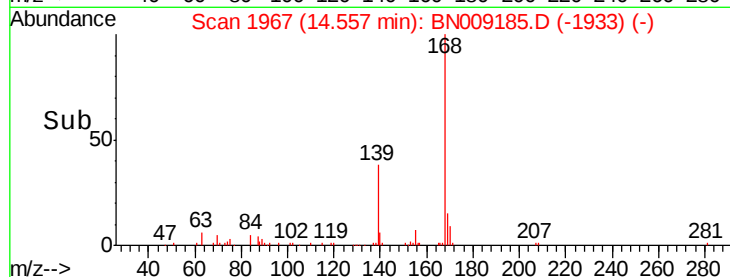
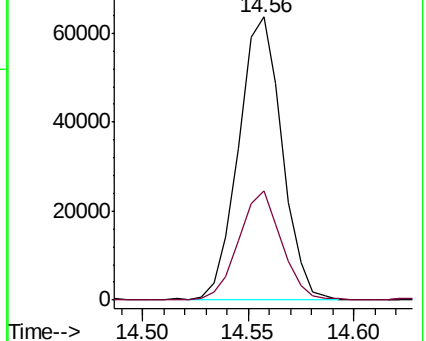
168 100

139 38.5 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.291 ng/ul

RT: 15.21 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

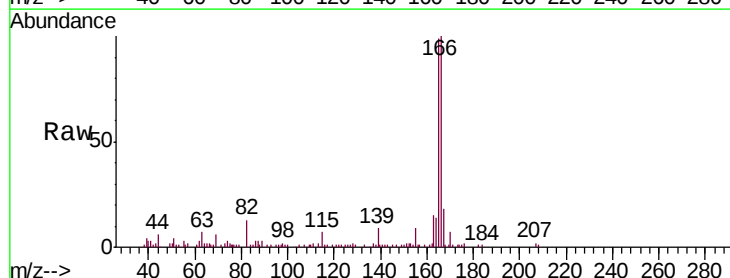
Tgt Ion:166 Resp: 89314

Ion Ratio Lower Upper

166 100

165 98.5 75.3 112.9

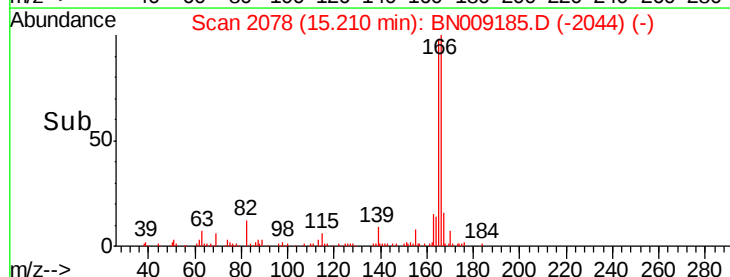
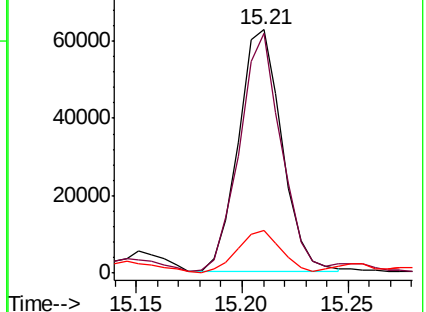
167 17.7 10.6 16.0#

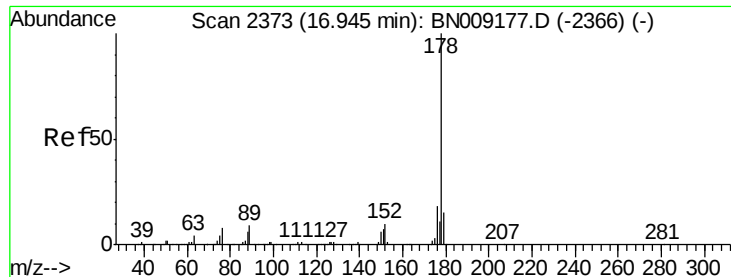


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 16.313 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

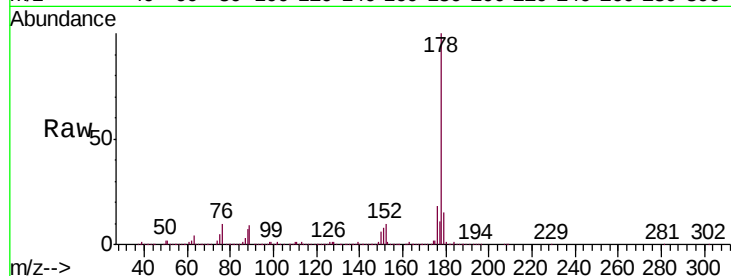
Tgt Ion:178 Resp: 1715304

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

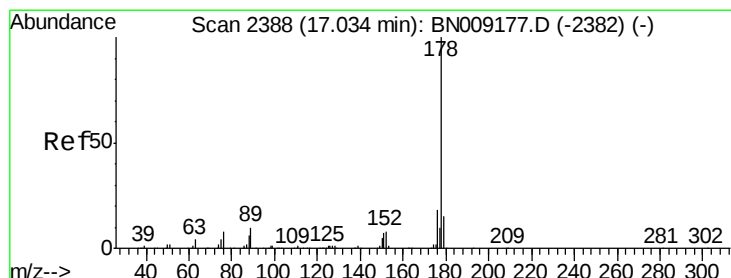
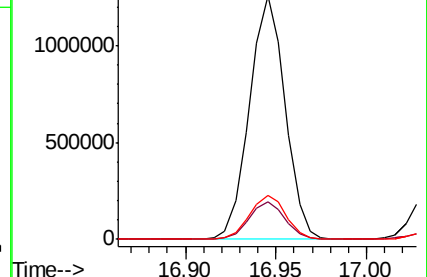
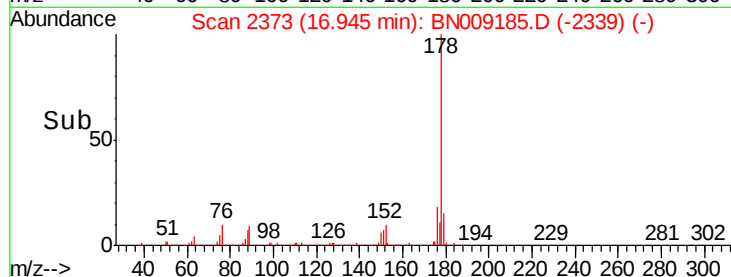
176 18.1 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.257 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

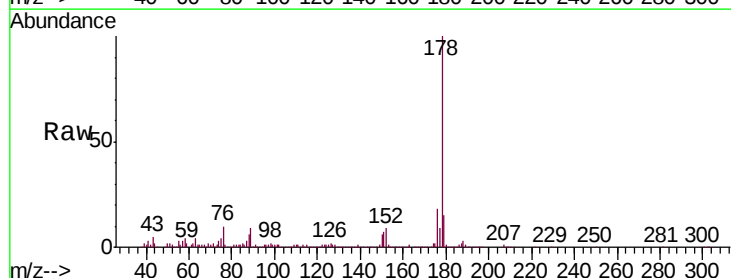
Tgt Ion:178 Resp: 352322

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

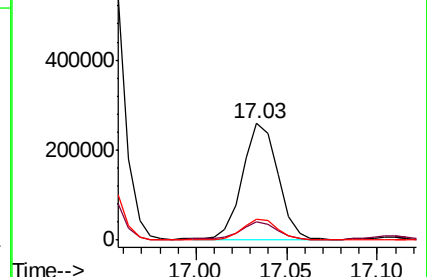
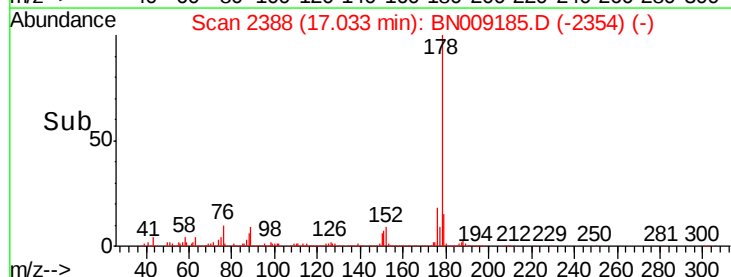
176 17.8 14.8 22.2

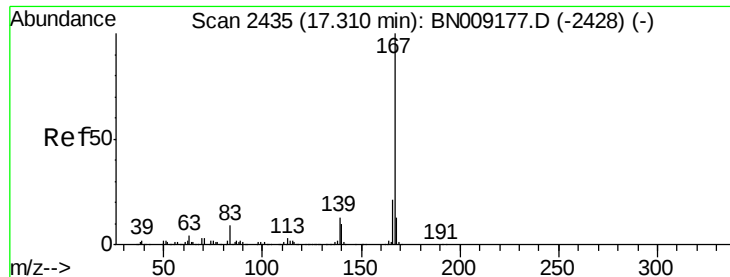


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.530 ng/ul

RT: 17.31 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

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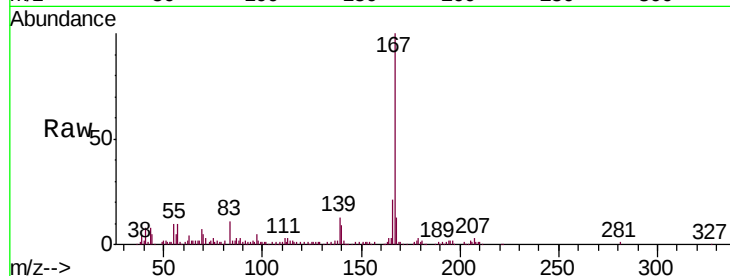
Tgt Ion:167 Resp: 143059

Ion Ratio Lower Upper

167 100

166 21.5 16.8 25.2

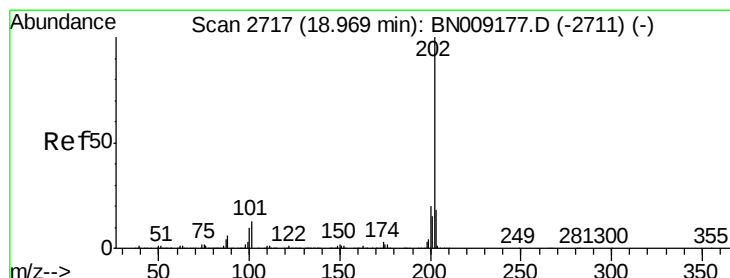
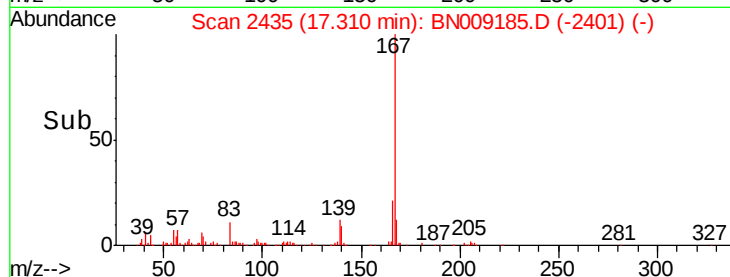
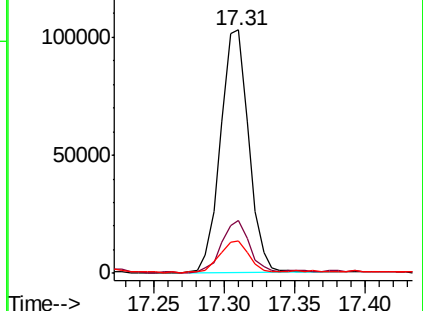
139 13.2 10.6 15.8



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: 22.979 ng/ul

RT: 18.97 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

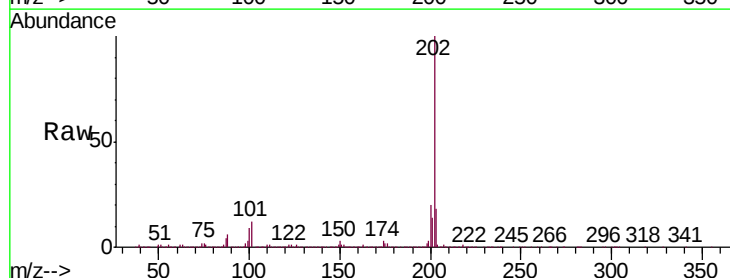
Tgt Ion:202 Resp: 2790603

Ion Ratio Lower Upper

202 100

101 12.2 9.3 13.9

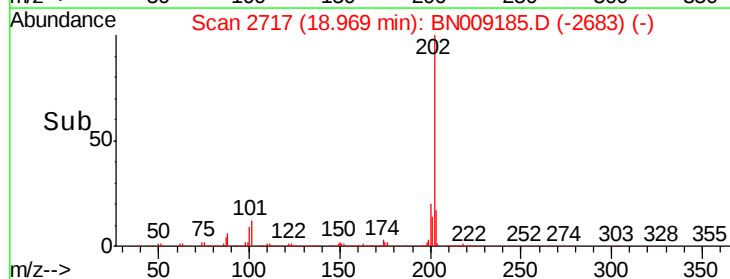
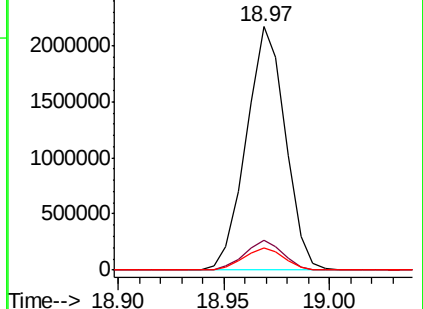
100 9.4 7.6 11.4

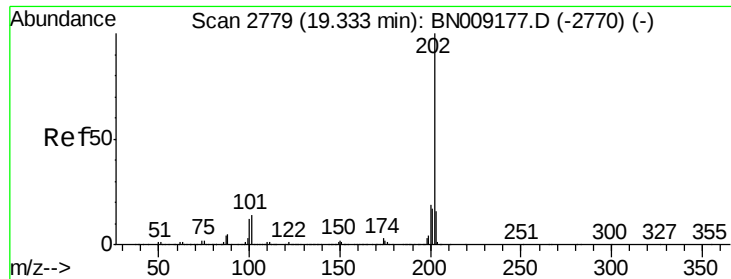


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 22.841 ng/ul

RT: 19.33 min Scan# 2779

Delta R.T. -0.00 min

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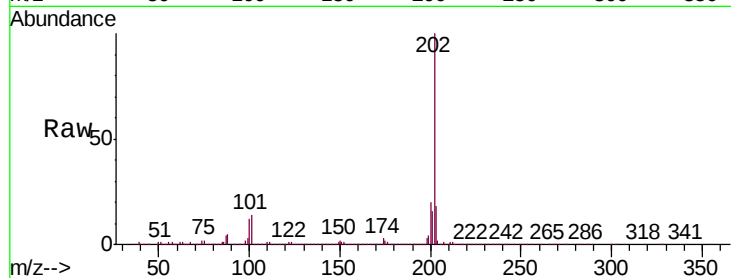
Tgt Ion:202 Resp: 2359225

Ion Ratio Lower Upper

202 100

101 14.0 11.1 16.7

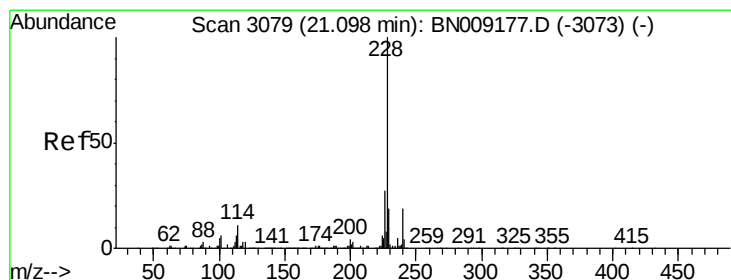
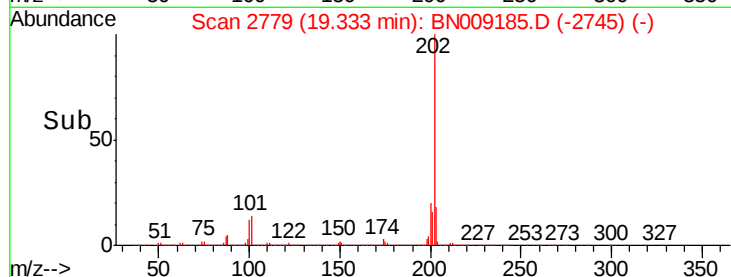
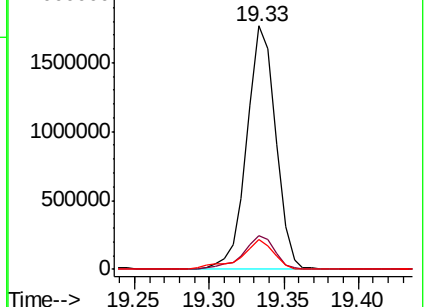
100 12.1 9.0 13.4



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: 11.097 ng/ul

RT: 21.09 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

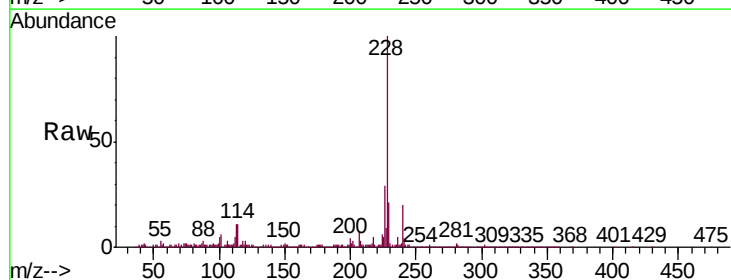
Tgt Ion:228 Resp: 1116688

Ion Ratio Lower Upper

228 100

229 20.6 15.2 22.8

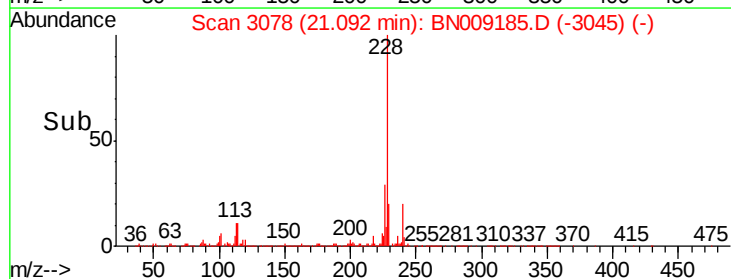
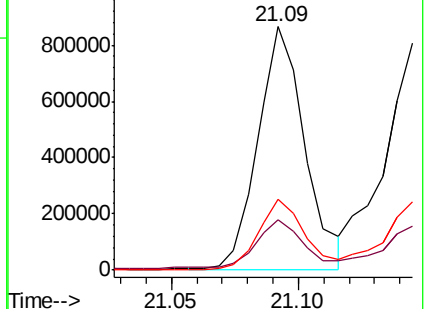
226 28.9 19.8 29.6

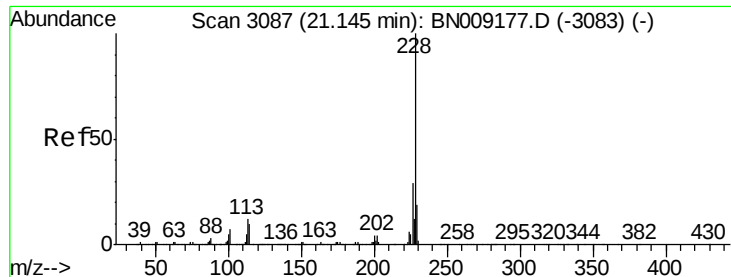


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 11.146 ng/u1

RT: 21.15 min Scan# 3087

Delta R.T. -0.00 min

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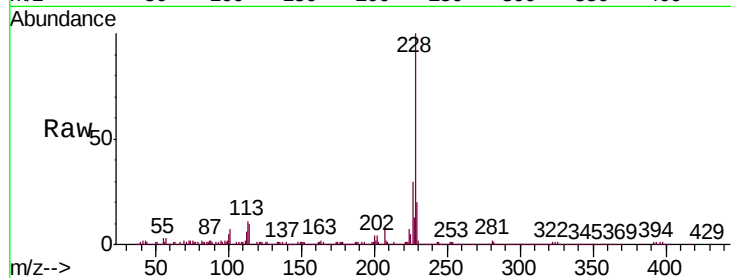
Tgt Ion:228 Resp: 1077835

Ion Ratio Lower Upper

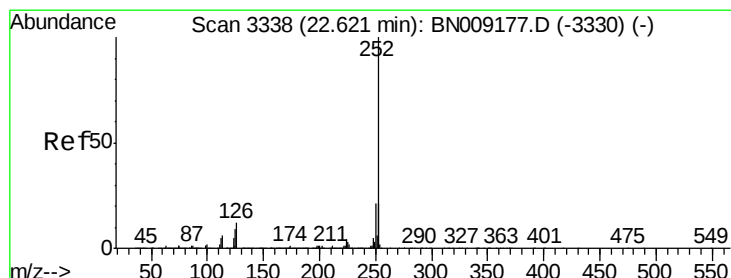
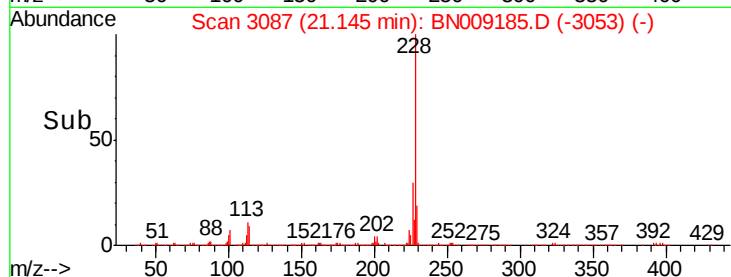
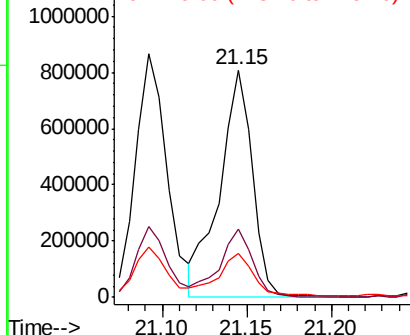
228 100

226 30.2 23.9 35.9

229 19.6 15.9 23.9



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: 14.646 ng/u1

RT: 22.62 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

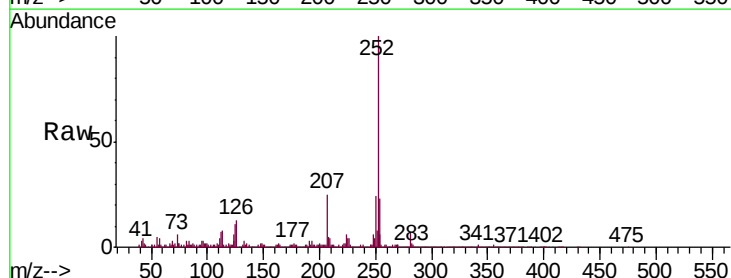
Tgt Ion:252 Resp: 1195528

Ion Ratio Lower Upper

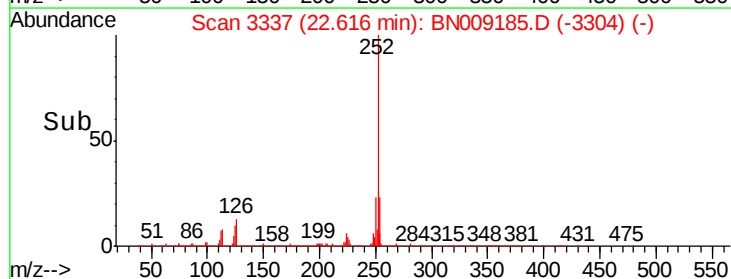
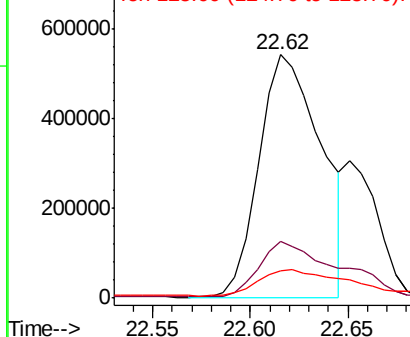
252 100

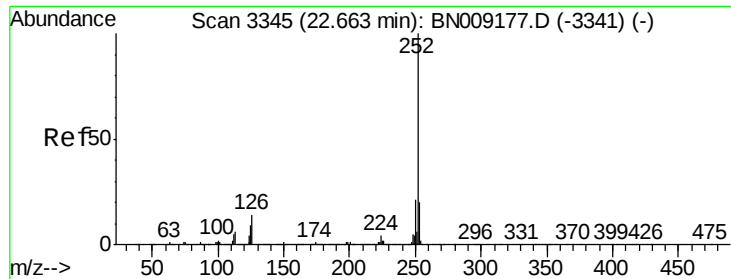
253 23.3 17.2 25.8

125 11.2 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 14.997 ng/ul

RT: 22.62 min Scan# 3337

Delta R.T. -0.05 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

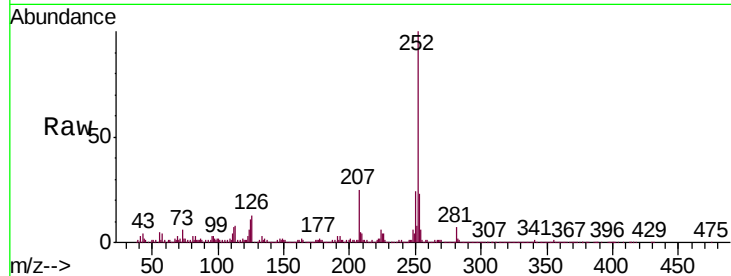
Tgt Ion:252 Resp: 1195528

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

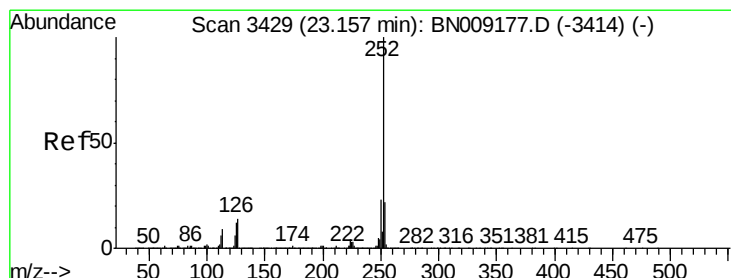
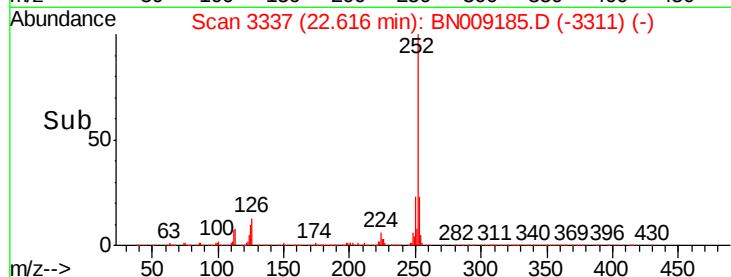
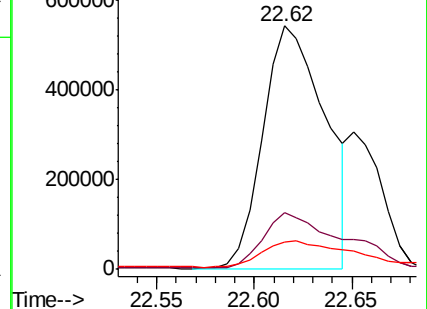
125 11.2 8.8 13.2



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: 9.134 ng/ul

RT: 23.16 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

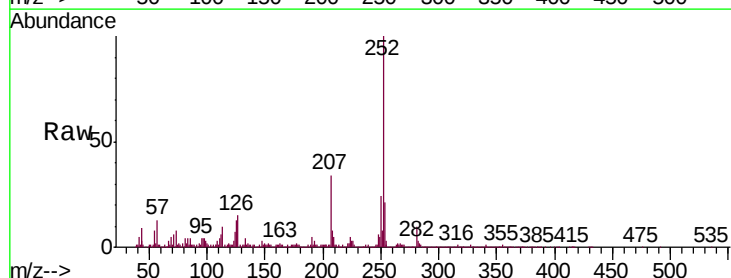
Tgt Ion:252 Resp: 684599

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

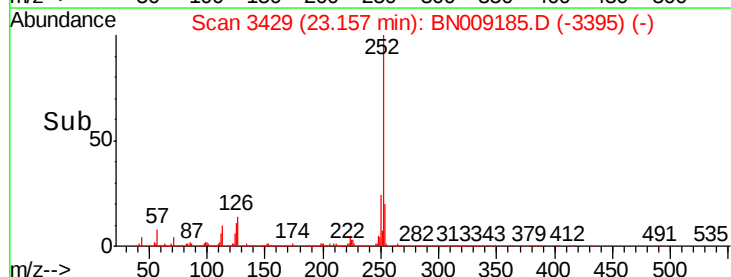
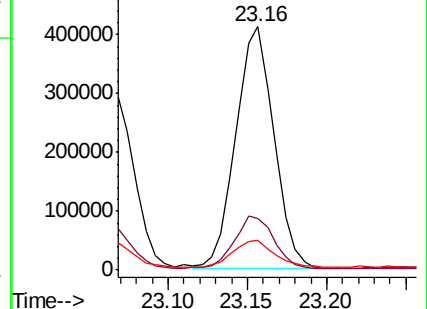
125 12.5 9.5 14.3

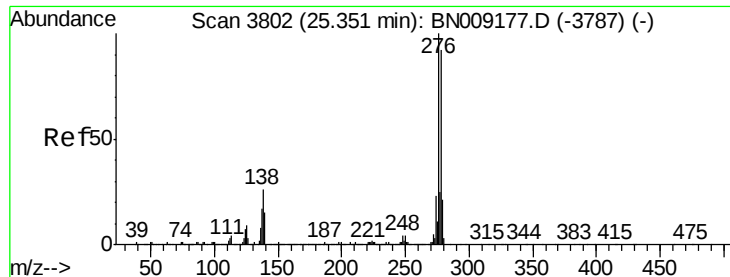


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 4.701 ng/ul

RT: 25.34 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

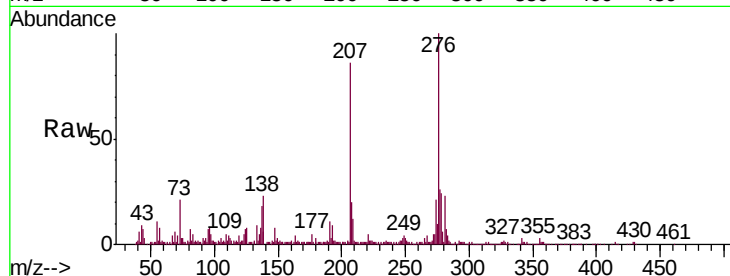
Tgt Ion:276 Resp: 426864

Ion Ratio Lower Upper

276 100

138 23.1 20.5 30.7

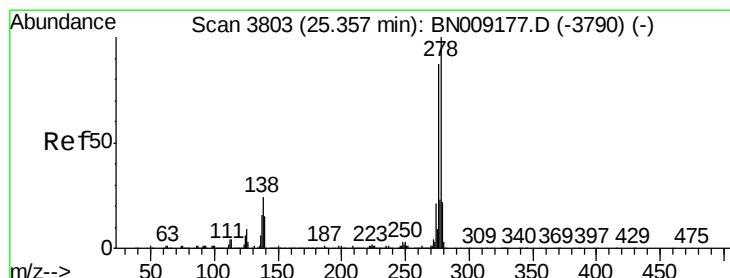
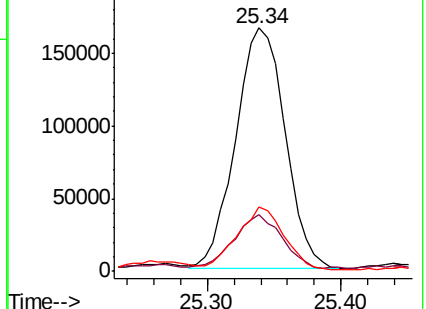
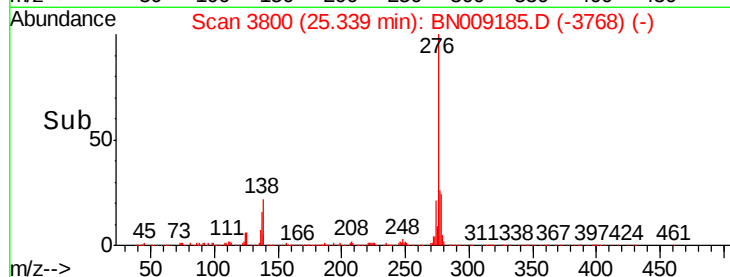
277 26.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene

Concen: 1.685 ng/ul

RT: 25.34 min Scan# 3801

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

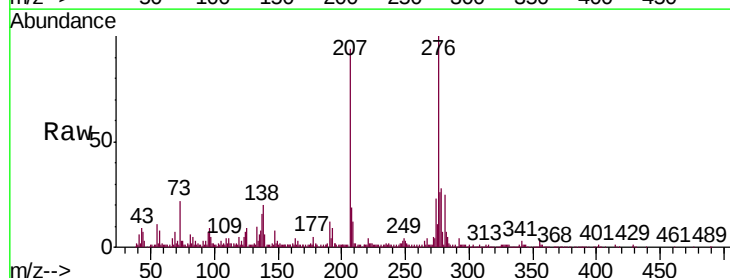
Tgt Ion:278 Resp: 129132

Ion Ratio Lower Upper

278 100

139 19.7 12.4 18.6#

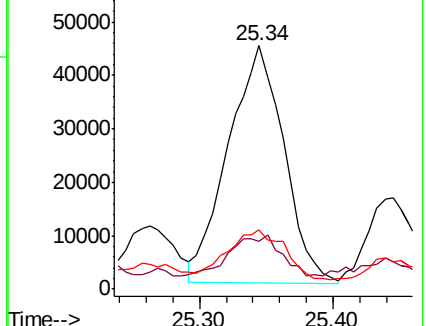
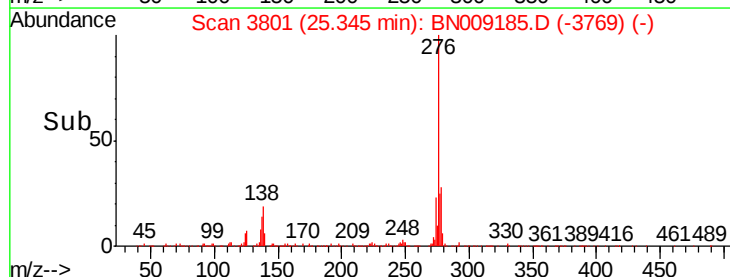
279 24.2 19.0 28.6

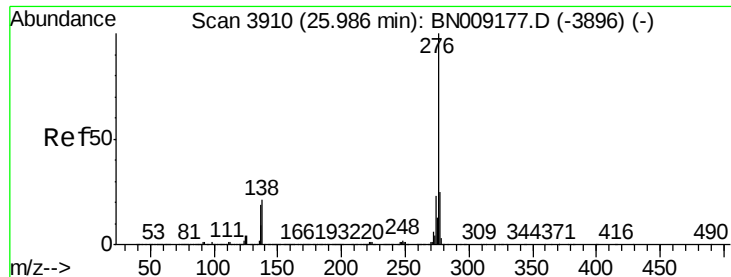


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 5.293 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

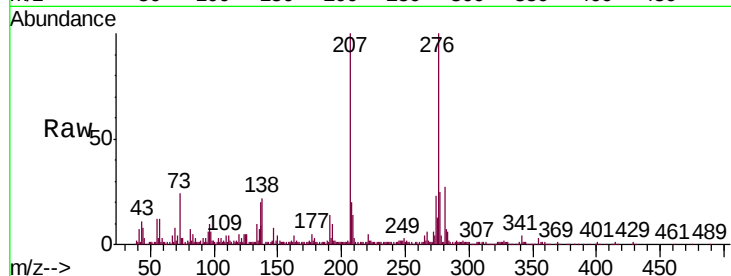
Tgt Ion: 276 Resp: 402186

Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.6

277 25.0 18.9 28.3



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

