

Data File : BN009186.D
Acq On : 26 Dec 2019 23:16
Operator : JU
Sample : K6381-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5S0

Quant Time: Dec 27 01:35:12 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	294607	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1321332	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	851382	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1746661	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1284952	20.00	ng/ul	0.00
85) Perylene-d12	23.24	264	1140815	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	38694	6.00	ng/uL	0.00
5) Phenol-d5	6.72	99	894789	31.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	597284	33.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	695703	34.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	741598	32.80	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	371517	37.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	419090	37.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	731974	34.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	1003009	39.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2129472	33.30	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2739142	36.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	400771	31.52	ng/ul	0.00
57) Fluorene-d10	15.15	176	1944557	34.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	220403	20.23	ng/ul	0.00
70) Anthracene-d10	17.00	188	2833503	34.87	ng/ul	0.00
78) Pyrene-d10	19.30	212	2934642	43.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2096249	36.47	ng/ul	0.00

Target Compounds

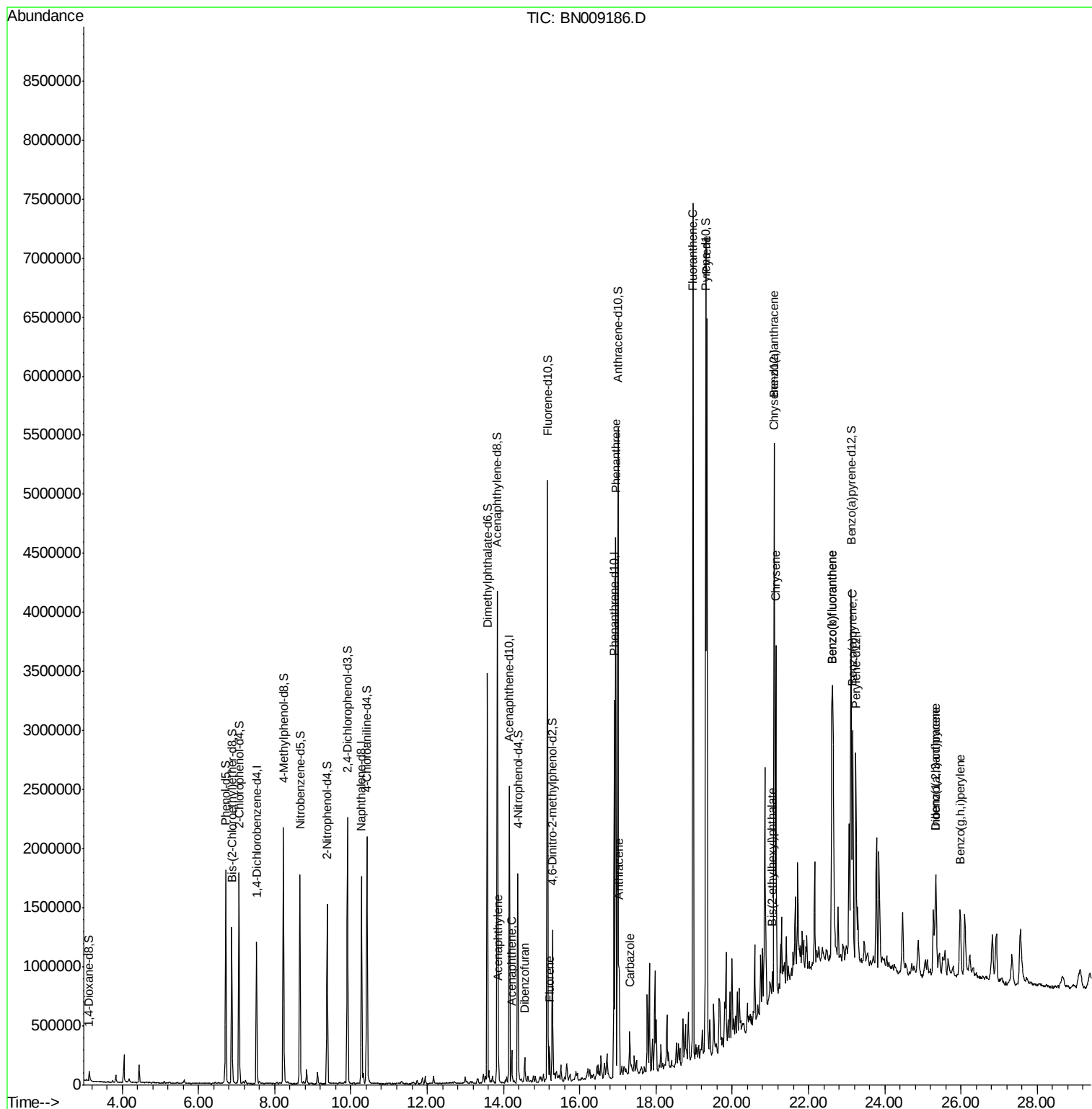
					Qvalue	
47) Acenaphthylene	13.87	152	102590	1.275	ng/ul	94
49) Acenaphthene	14.22	153	95183	1.763	ng/ul	94
53) Dibenzofuran	14.56	168	95843	1.264	ng/ul	97
58) Fluorene	15.21	166	108758	1.717	ng/ul	96
69) Phenanthrene	16.95	178	2451408	25.455	ng/ul	99
71) Anthracene	17.03	178	510031	5.148	ng/ul	100
74) Carbazole	17.31	167	162319	1.896	ng/ul	98
76) Fluoranthene	18.97	202	4202756	37.786	ng/ul	99
79) Pyrene	19.33	202	3582240	40.197	ng/ul	97
82) Benzo(a)anthracene	21.09	228	1763081	20.306	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.05	149	74062	1.233	ng/ul	98
84) Chrysene	21.15	228	1565495	18.762	ng/ul	98
87) Benzo(b)fluoranthene	22.62	252	1766028	25.329	ng/ul	99
88) Benzo(k)fluoranthene	22.62	252	1766028	25.935	ng/ul	99
90) Benzo(a)pyrene	23.16	252	1144915	17.883	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.34	276	709363	9.146	ng/ul	96
92) Dibenzo(a,h)anthracene	25.34	278	199628	3.049	ng/ul#	91
93) Benzo(g,h,i)perylene	25.98	276	637782	9.827	ng/ul	99

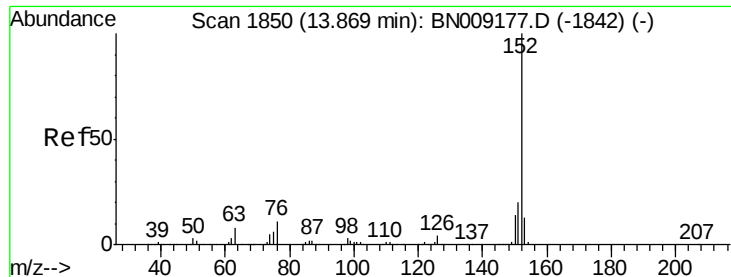
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47

Acenaphthylene

Concen: 1.275 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

Instrument :

BNA_N

ClientSampleId :

CB5S0

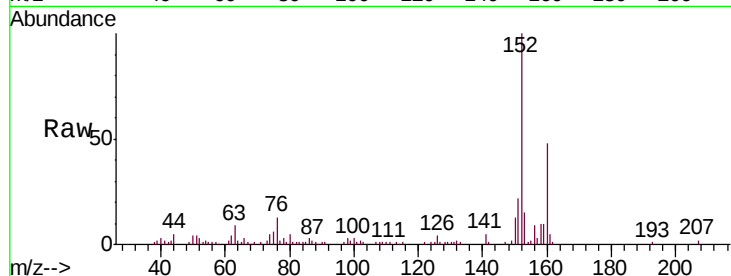
Tgt Ion:152 Resp: 102590

Ion Ratio Lower Upper

152 100

151 22.2 15.4 23.2

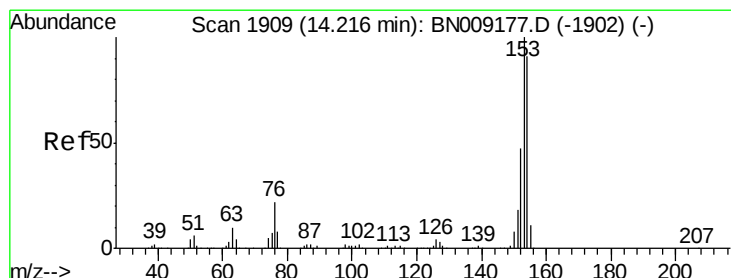
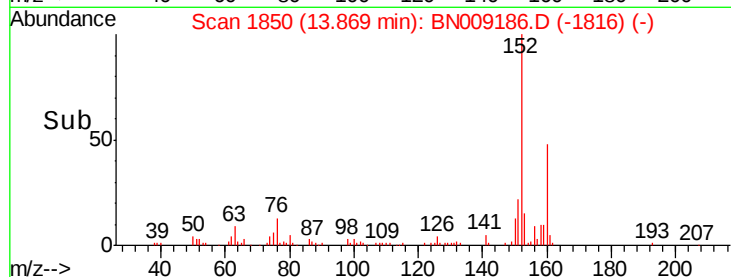
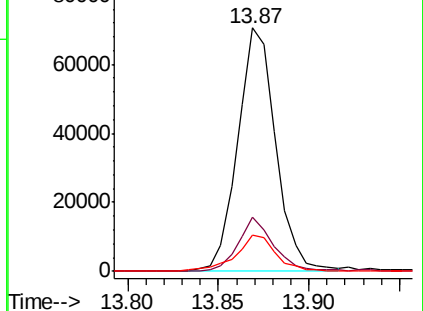
153 14.9 10.3 15.5



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: 1.763 ng/ul

RT: 14.22 min Scan# 1909

Delta R.T. -0.00 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

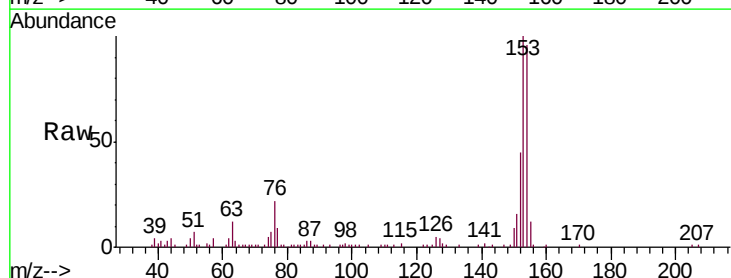
Tgt Ion:153 Resp: 95183

Ion Ratio Lower Upper

153 100

152 44.9 37.8 56.8

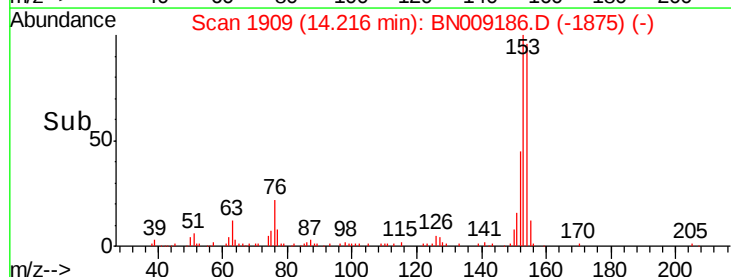
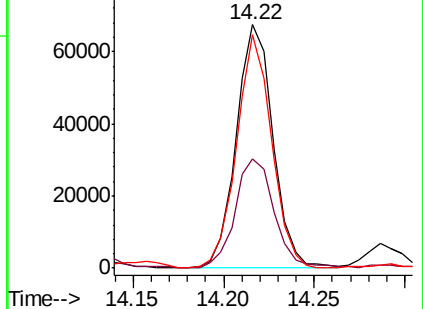
154 96.1 71.3 106.9

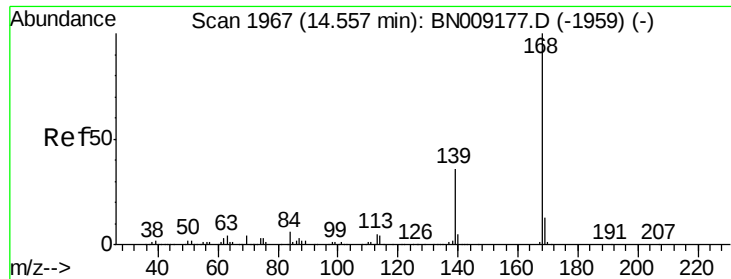


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.264 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

Instrument :

BNA_N

ClientSampleId :

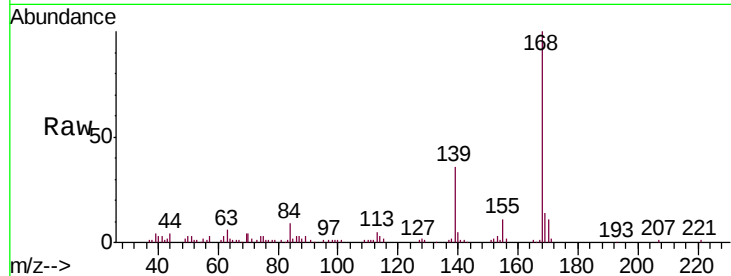
CB5S0

Tgt Ion:168 Resp: 95843

Ion Ratio Lower Upper

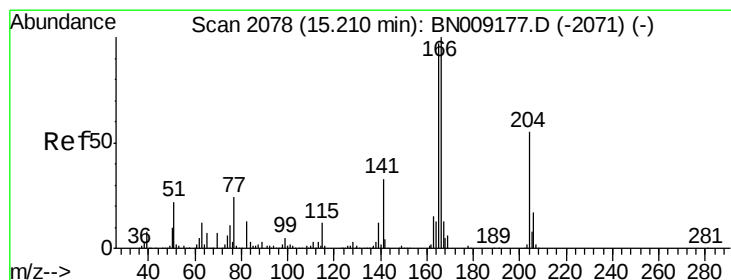
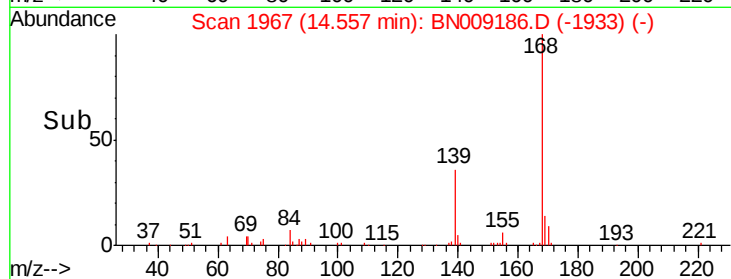
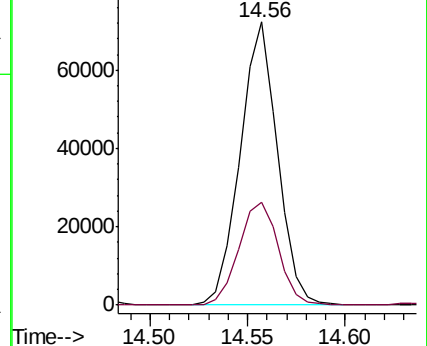
168 100

139 36.3 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: 1.717 ng/ul

RT: 15.21 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

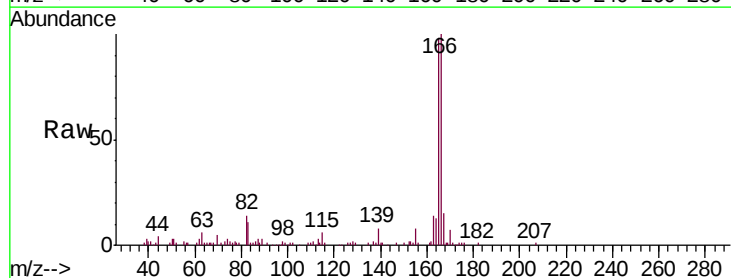
Tgt Ion:166 Resp: 108758

Ion Ratio Lower Upper

166 100

165 98.2 75.3 112.9

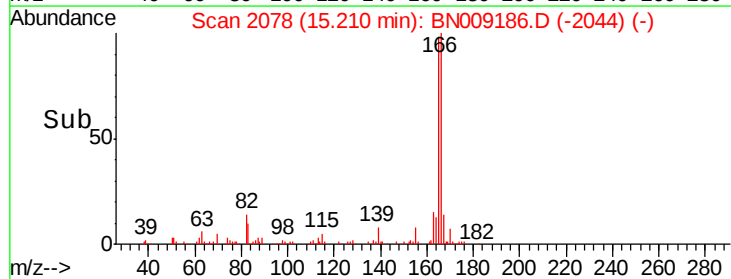
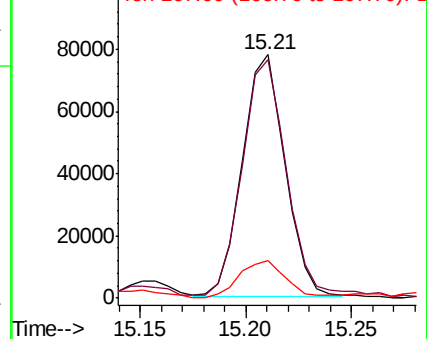
167 15.5 10.6 16.0

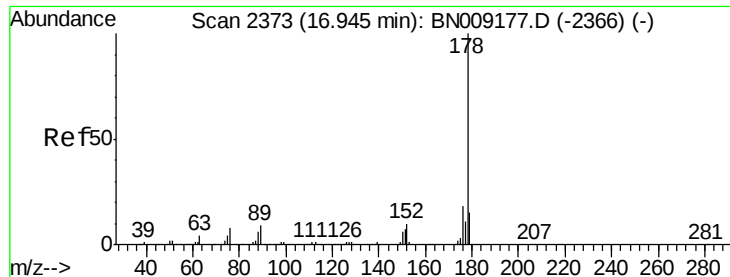


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

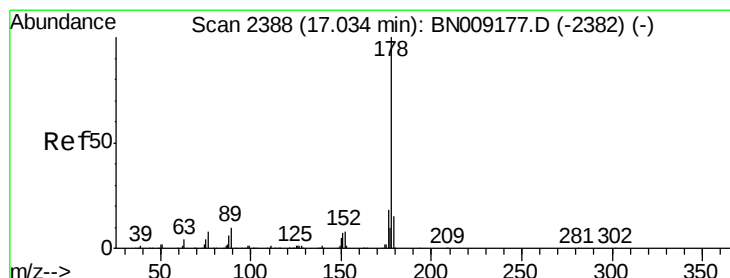
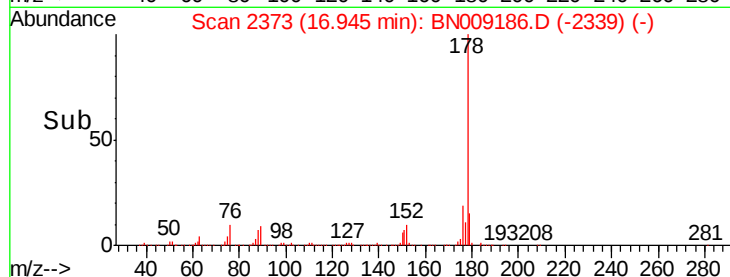
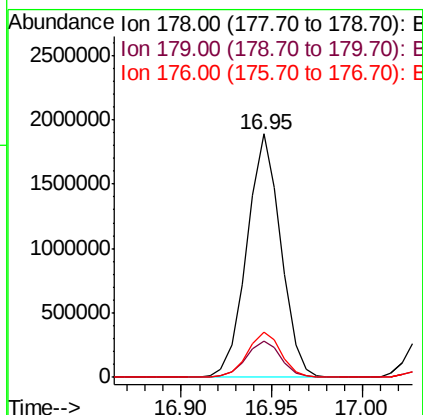
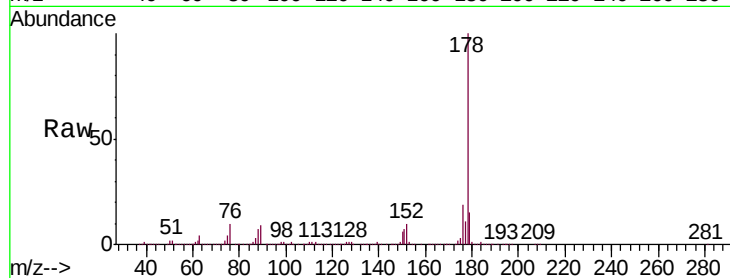




#69
Phenanthrene
Concen: 25.455 ng/ul
RT: 16.95 min Scan# 2373
Delta R.T. -0.00 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

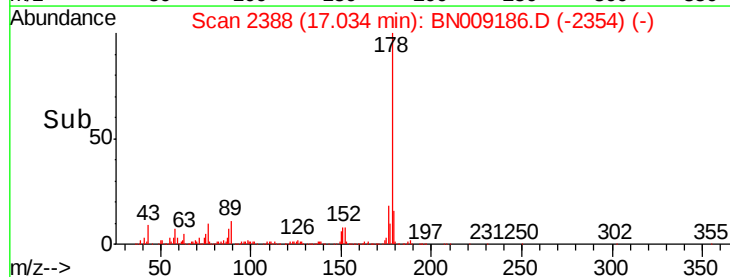
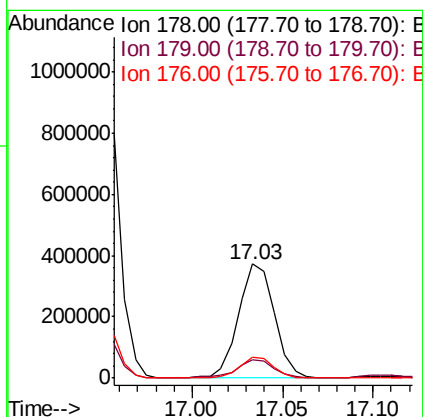
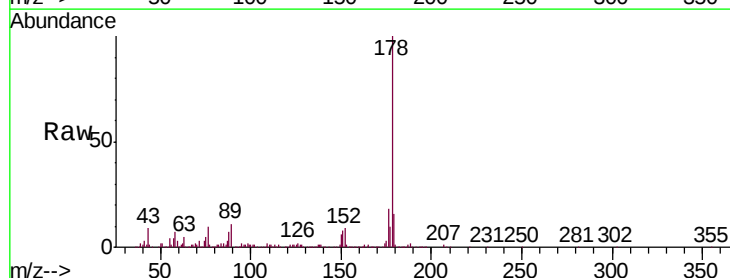
Instrument :
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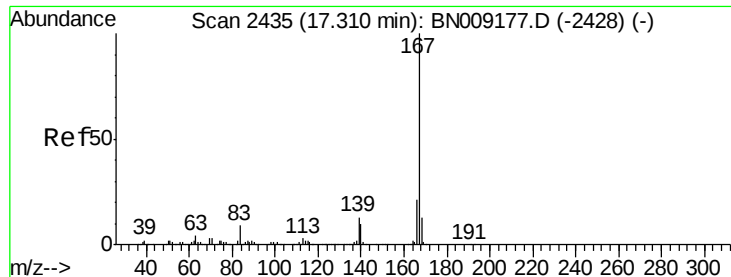
Tgt Ion:178 Resp: 2451408
Ion Ratio Lower Upper
178 100
179 15.1 11.8 17.8
176 18.6 15.2 22.8



#71
Anthracene
Concen: 5.148 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

Tgt Ion:178 Resp: 510031
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 18.5 14.8 22.2

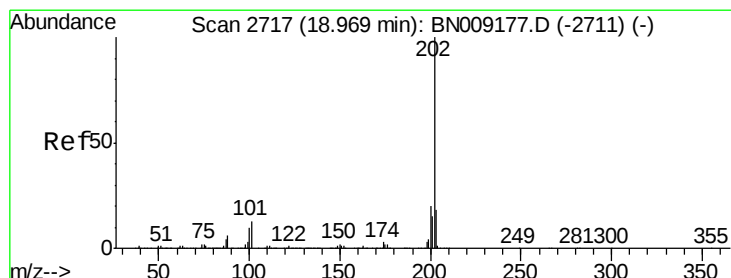
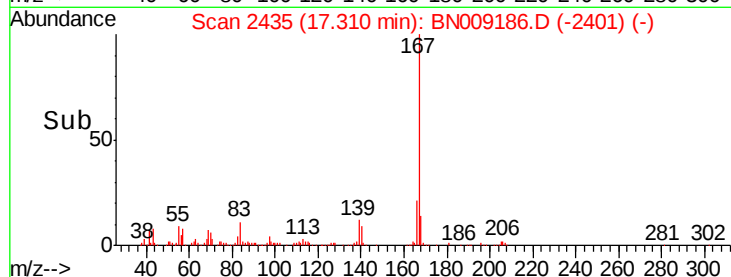
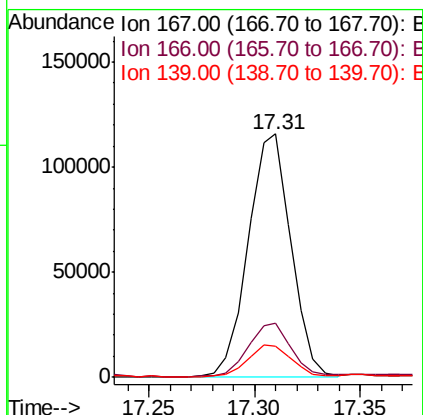
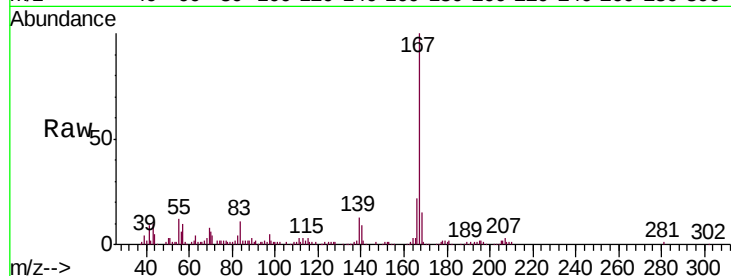




#74
 Carbazole
 Concen: 1.896 ng/ul
 RT: 17.31 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BN009186.D
 Acq: 26 Dec 2019 23:16

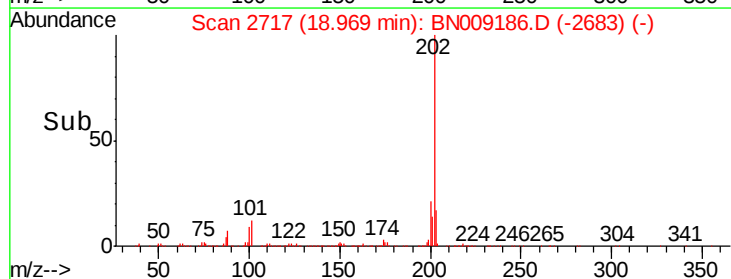
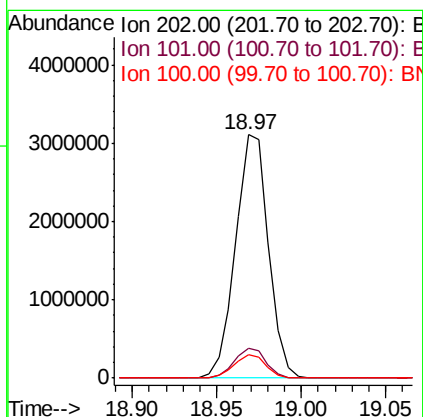
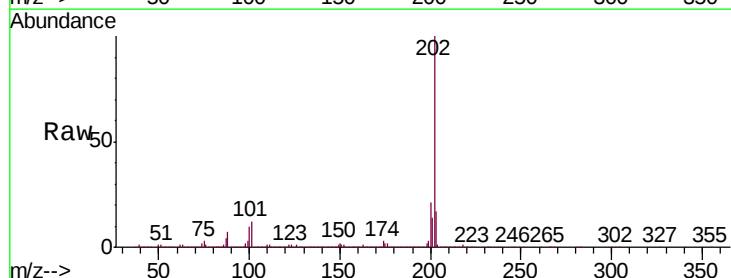
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 ClientSampleId :
 CB5S0

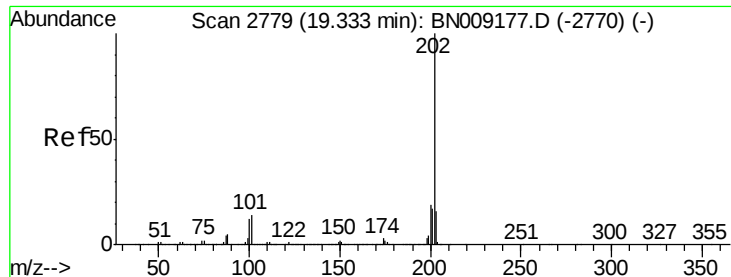
Tgt Ion:167 Resp: 162319
 Ion Ratio Lower Upper
 167 100
 166 22.1 16.8 25.2
 139 12.7 10.6 15.8



#76
 Fluoranthene
 Concen: 37.786 ng/ul
 RT: 18.97 min Scan# 2717
 Delta R.T. -0.00 min
 Lab File: BN009186.D
 Acq: 26 Dec 2019 23:16

Tgt Ion:202 Resp: 4202756
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.3 13.9
 100 9.5 7.6 11.4

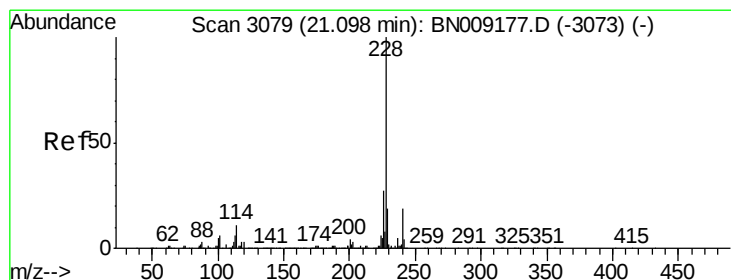
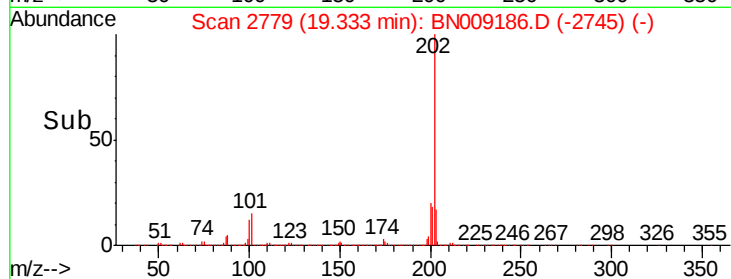
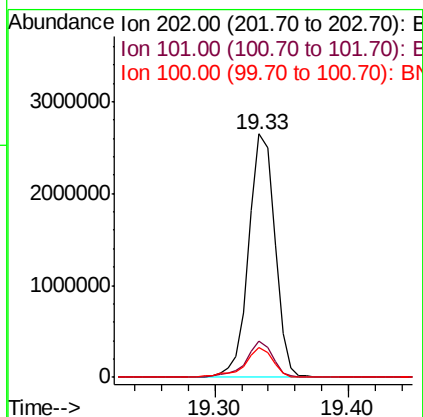
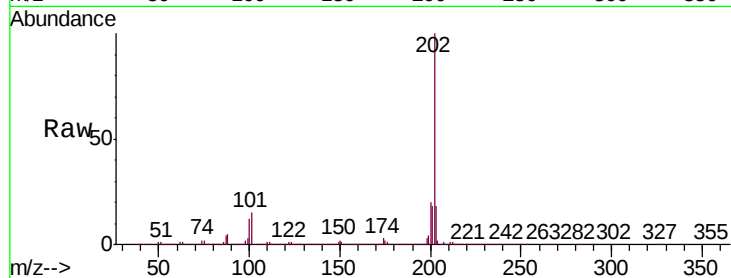




#79
Pyrene
Concen: 40.197 ng/ul
RT: 19.33 min Scan# 2779
Delta R.T. -0.00 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

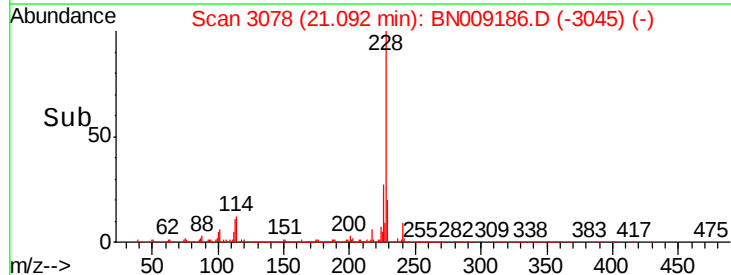
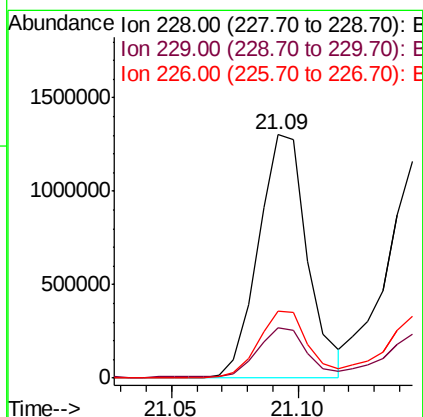
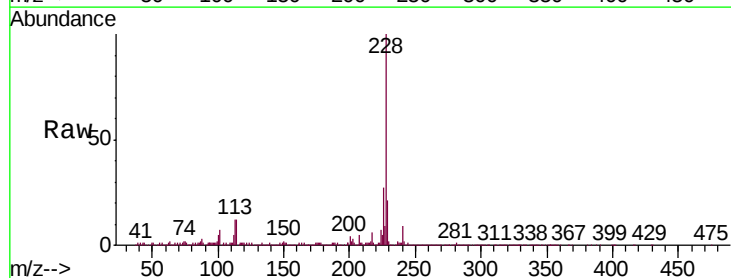
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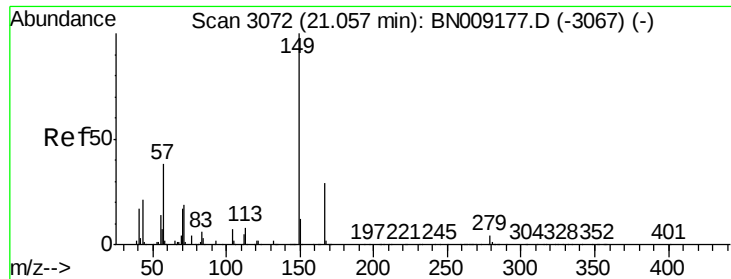
Tgt Ion:202 Resp: 3582240
Ion Ratio Lower Upper
202 100
101 14.9 11.1 16.7
100 12.4 9.0 13.4



#82
Benzo(a)anthracene
Concen: 20.306 ng/ul
RT: 21.09 min Scan# 3078
Delta R.T. -0.01 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

Tgt Ion:228 Resp: 1763081
Ion Ratio Lower Upper
228 100
229 20.7 15.2 22.8
226 27.3 19.8 29.6

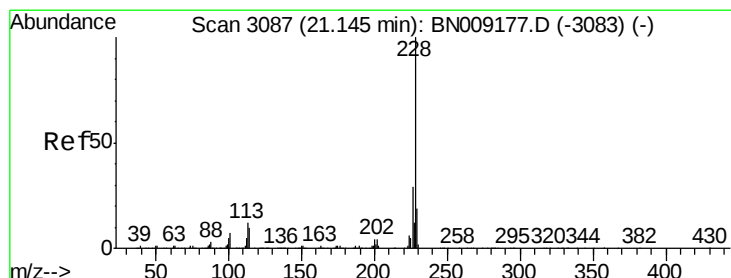
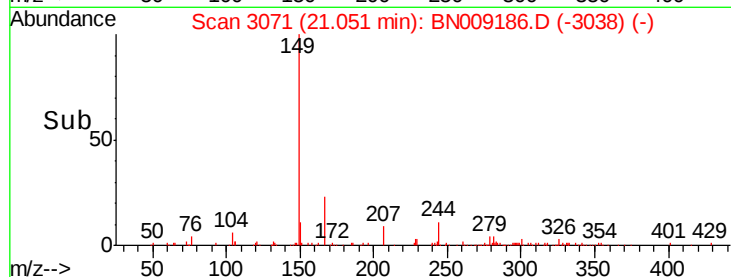
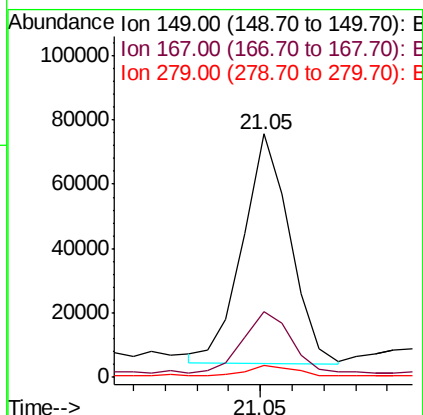
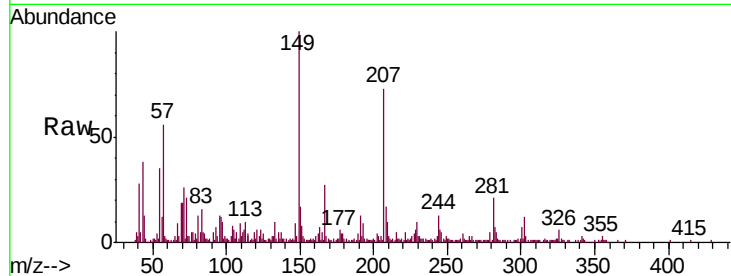




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.233 ng/ul
 RT: 21.05 min Scan# 3071
 Delta R.T. -0.01 min
 Lab File: BN009186.D
 Acq: 26 Dec 2019 23:16

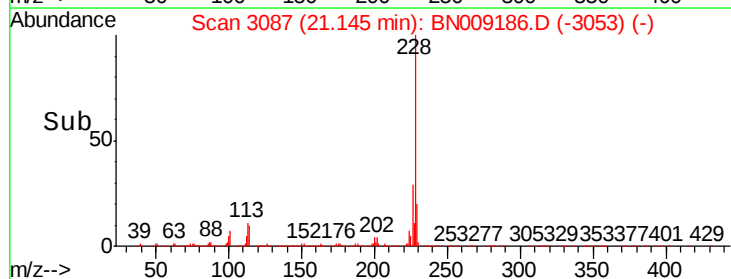
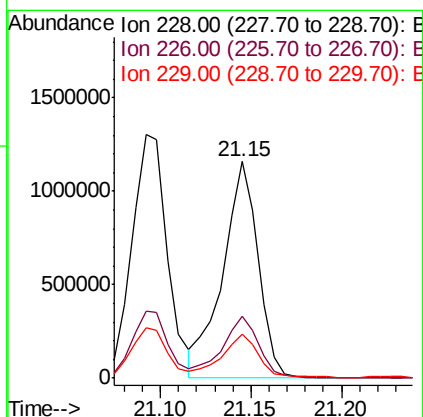
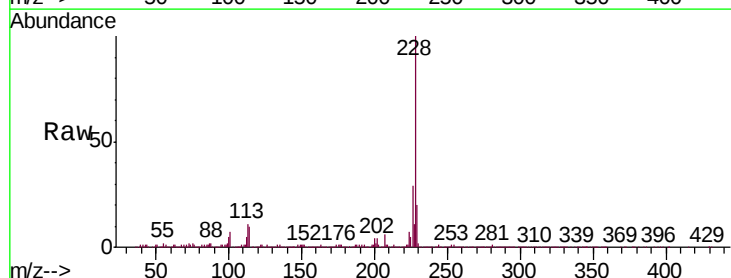
Instrument :
 BNA_N
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 CB5S0

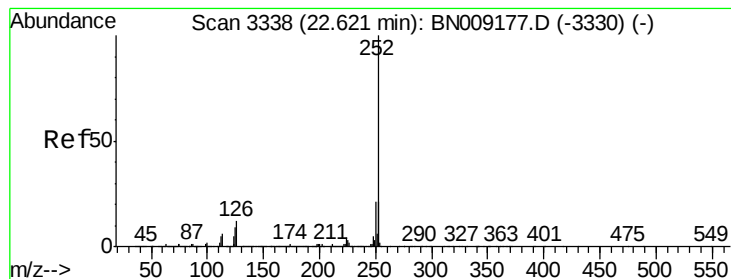
Tgt Ion:149 Resp: 74062
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.2 33.2
 279 4.8 3.5 5.3



#84
 Chrysene
 Concen: 18.762 ng/ul
 RT: 21.15 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: BN009186.D
 Acq: 26 Dec 2019 23:16

Tgt Ion:228 Resp: 1565495
 Ion Ratio Lower Upper
 228 100
 226 28.7 23.9 35.9
 229 20.4 15.9 23.9





#87

Benzo(b)fluoranthene

Concen: 25.329 ng/ul

RT: 22.62 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

Instrument :

BNA_N

ClientSampled :

CB5S0

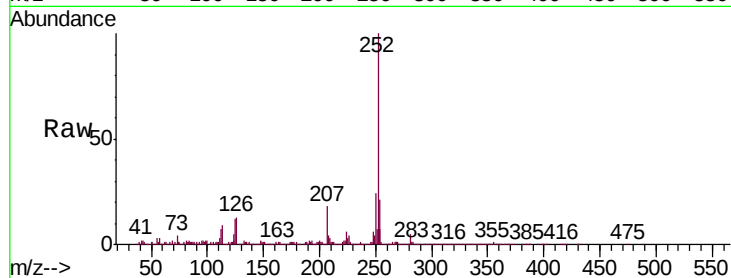
Tgt Ion:252 Resp: 1766028

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

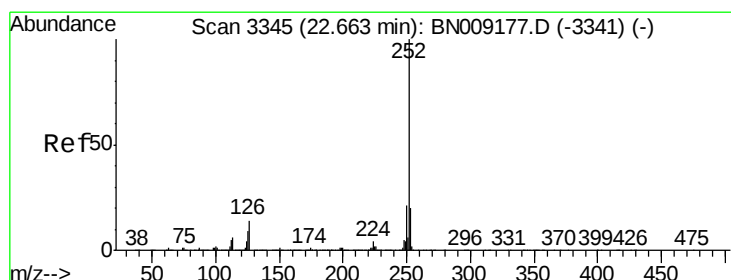
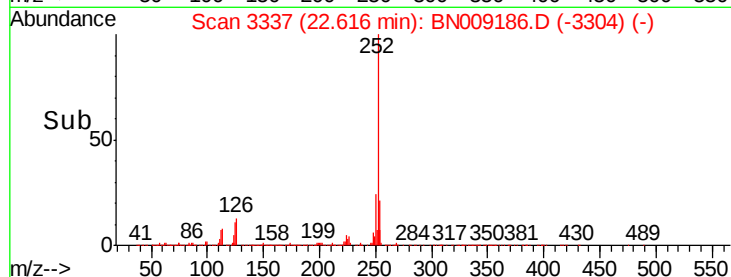
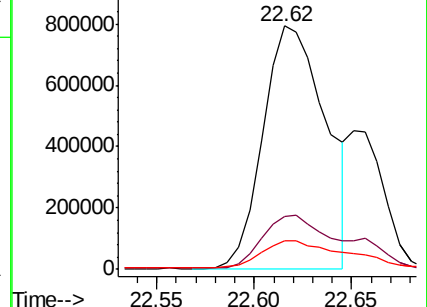
125 11.8 8.5 12.7



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: 25.935 ng/ul

RT: 22.62 min Scan# 3337

Delta R.T. -0.05 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

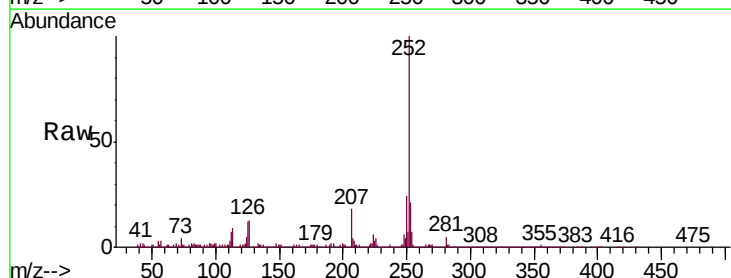
Tgt Ion:252 Resp: 1766028

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

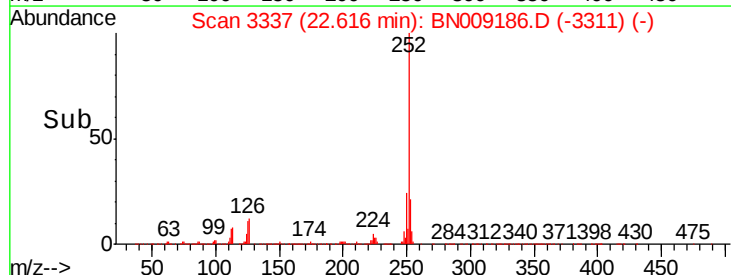
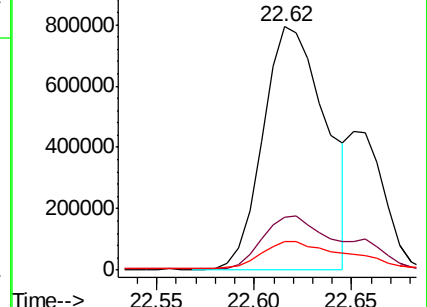
125 11.8 8.8 13.2

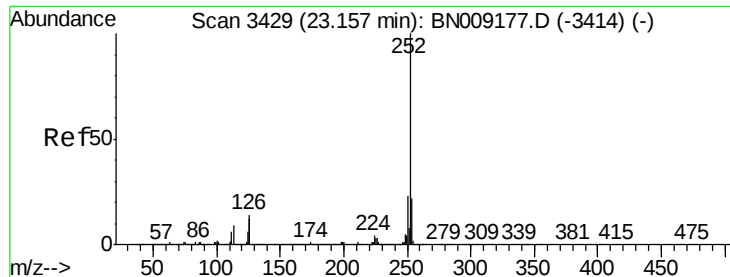


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 17.883 ng/ul

RT: 23.16 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

Instrument :

BNA_N

ClientSampleId :

CB5S0

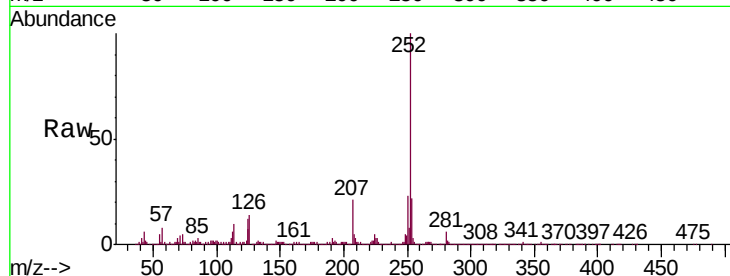
Tgt Ion:252 Resp: 1144915

Ion Ratio Lower Upper

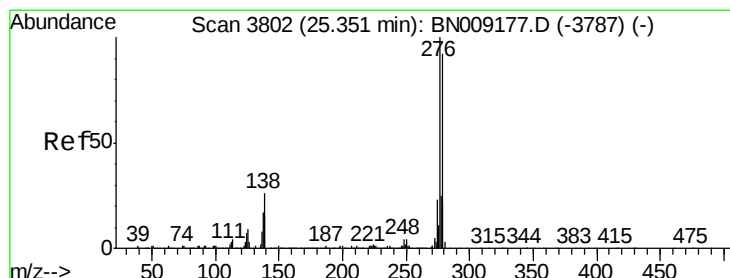
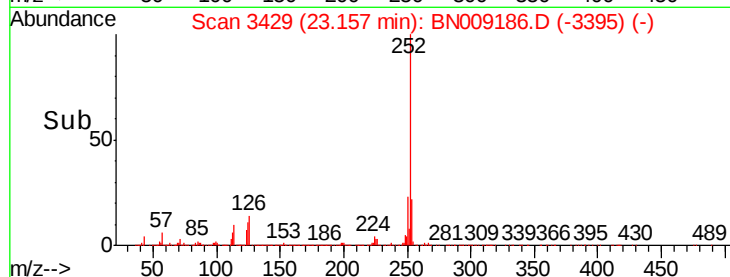
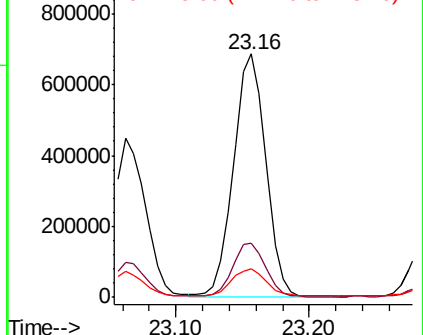
252 100

253 22.4 17.7 26.5

125 11.6 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: 9.146 ng/ul

RT: 25.34 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BN009186.D

Acq: 26 Dec 2019 23:16

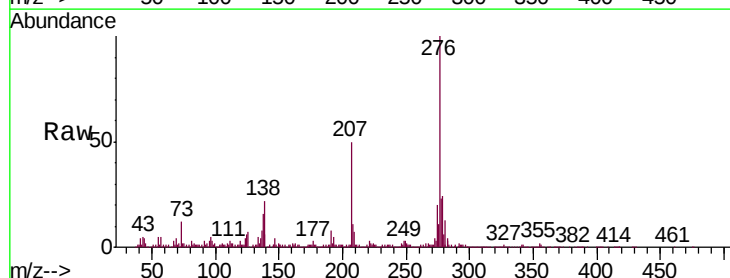
Tgt Ion:276 Resp: 709363

Ion Ratio Lower Upper

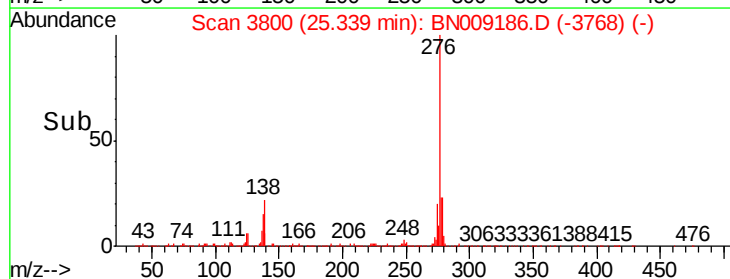
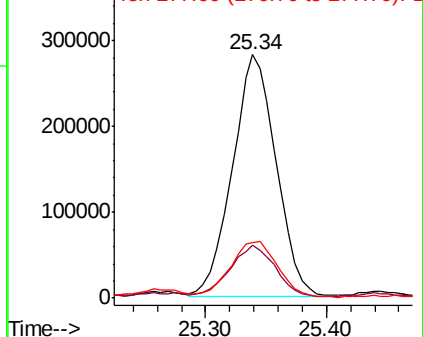
276 100

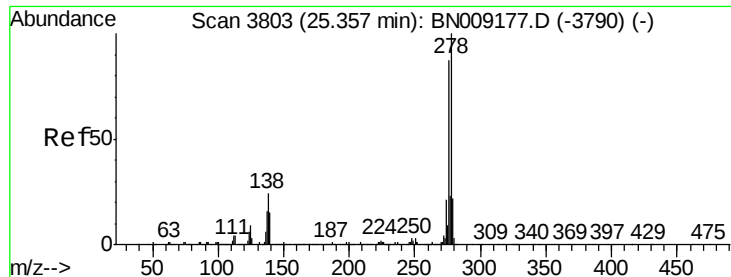
138 27.5 20.5 30.7

277 22.9 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

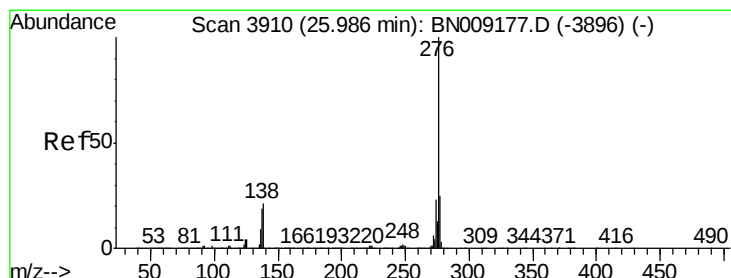
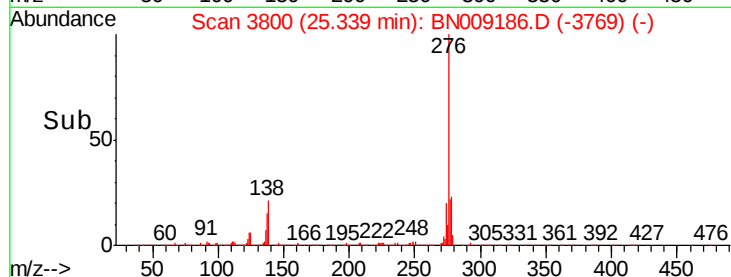
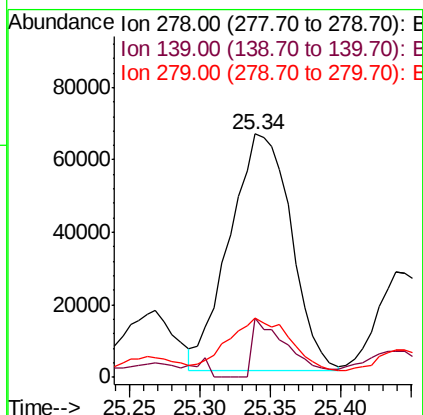
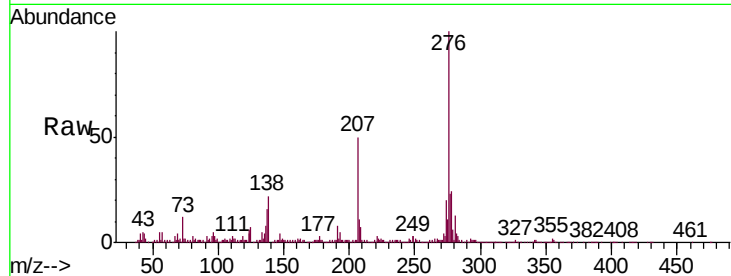




#92
Dibenzo(a,h)anthracene
Concen: 3.049 ng/ul
RT: 25.34 min Scan# 3800
Delta R.T. -0.02 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

Instrument :
BNA_N
ClientSampleId :
CB5S0

Tgt Ion: 278 Resp: 199628
Ion Ratio Lower Upper
278 100
139 24.5 12.4 18.6#
279 24.3 19.0 28.6



#93
Benzo(g,h,i)perylene
Concen: 9.827 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BN009186.D
Acq: 26 Dec 2019 23:16

Tgt Ion: 276 Resp: 637782
Ion Ratio Lower Upper
276 100
138 21.5 17.8 26.6
277 23.2 18.9 28.3

