

Data File : BN009180.D
Acq On : 26 Dec 2019 19:40
Operator : JU
Sample : K6381-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R4

Quant Time: Dec 27 01:33:52 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	295423	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1332886	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	863692	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1794686	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1522708	20.00	ng/ul	0.00
85) Perylene-d12	23.25	264	1385316	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	36583	5.66	ng/uL	0.00
5) Phenol-d5	6.72	99	850185	30.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	563034	31.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	647161	32.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	706280	31.15	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	340606	33.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	387544	34.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	678205	32.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	930438	36.50	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2014995	31.06	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2578471	33.90	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	378921	29.38	ng/ul	0.00
57) Fluorene-d10	15.15	176	1854983	32.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	241608	21.58	ng/ul	0.00
70) Anthracene-d10	17.00	188	2749408	32.93	ng/ul	0.00
78) Pyrene-d10	19.30	212	3000729	37.77	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2380189	34.10	ng/ul	0.00

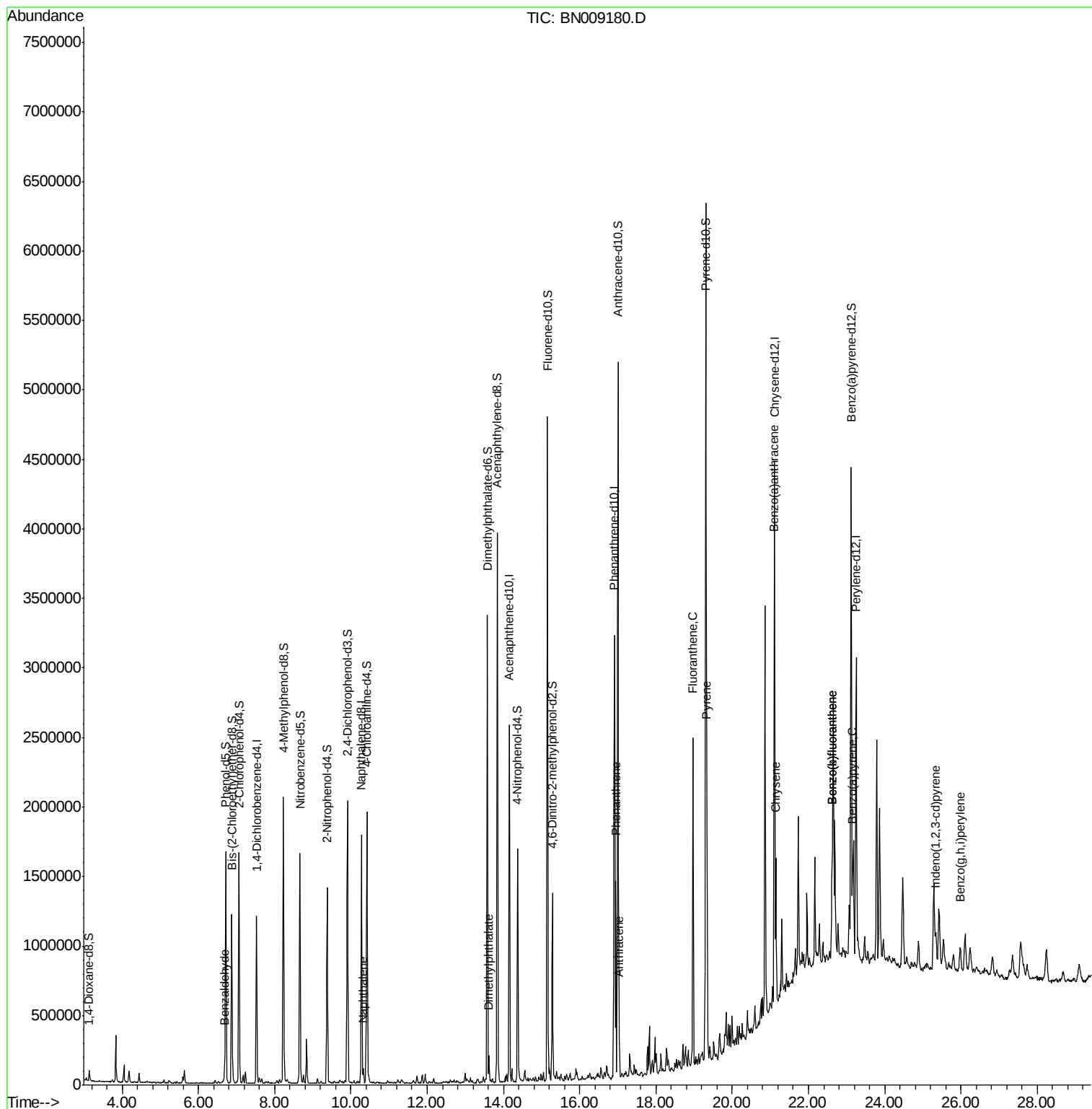
Target Compounds				Qvalue		
4) Benzaldehyde	6.68	77	22283	1.266	ng/ul#	85
28) Naphthalene	10.33	128	74018	1.040	ng/ul	97
44) Dimethylphthalate	13.62	163	107610	1.622	ng/ul	100
69) Phenanthrene	16.95	178	775917	7.841	ng/ul	98
71) Anthracene	17.03	178	152460	1.498	ng/ul	98
76) Fluoranthene	18.97	202	1308894	11.453	ng/ul	99
79) Pyrene	19.33	202	1136885	10.765	ng/ul	99
82) Benzo(a)anthracene	21.10	228	577100	5.609	ng/ul#	93
84) Chrysene	21.15	228	559791	5.661	ng/ul	99
87) Benzo(b)fluoranthene	22.62	252	588315	6.948	ng/ul	97
88) Benzo(k)fluoranthene	22.62	252	588315	7.115	ng/ul	97
90) Benzo(a)pyrene	23.16	252	342521	4.406	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.34	276	190641	2.024	ng/ul	98
93) Benzo(g,h,i)perylene	25.99	276	186450	2.366	ng/ul	97

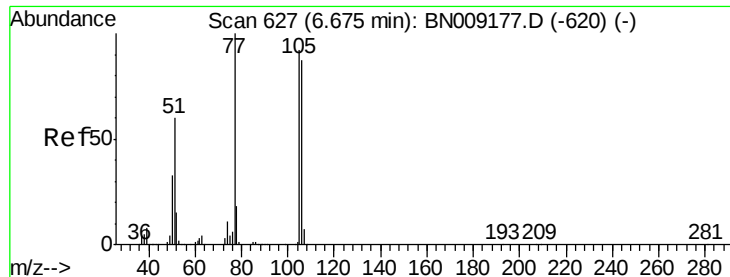
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.266 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. 0.01 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

Instrument :

BNA_N

ClientSampleId :

CB5R4

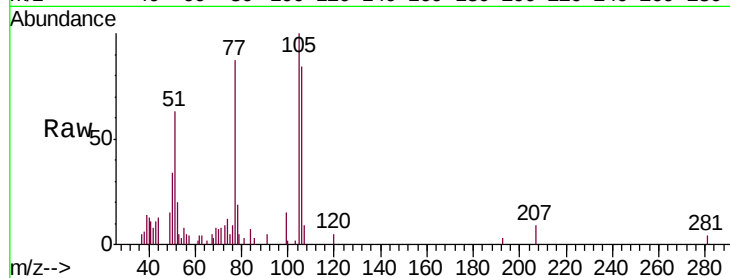
Tgt Ion: 77 Resp: 22283

Ion Ratio Lower Upper

77 100

105 114.9 73.9 110.9#

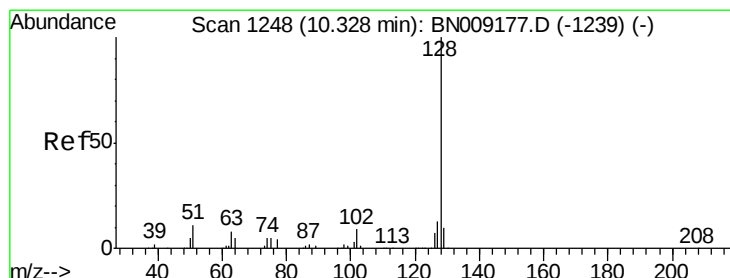
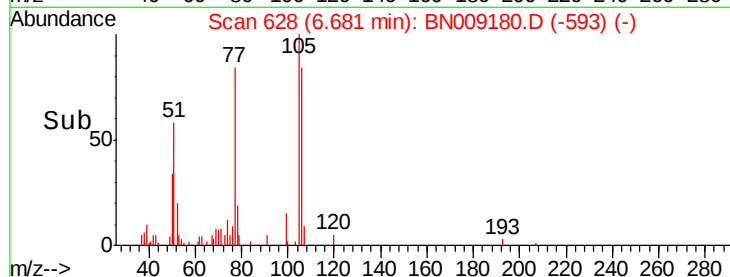
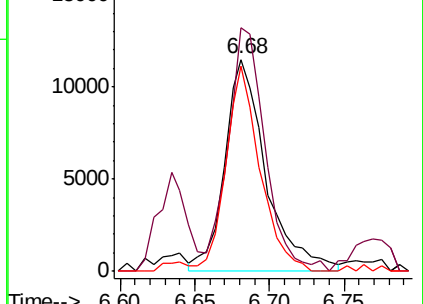
106 96.7 72.1 108.1



Abundance Ion 77.00 (76.70 to 77.70): BN009177.D (-620) (-)

Ion 105.00 (104.70 to 105.70): BN009177.D (-620) (-)

Ion 106.00 (105.70 to 106.70): BN009177.D (-620) (-)



#28

Naphthalene

Concen: 1.040 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

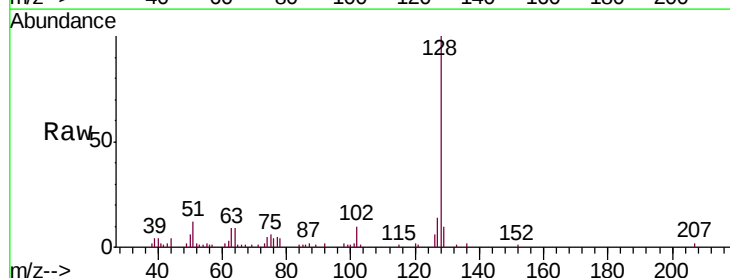
Tgt Ion: 128 Resp: 74018

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

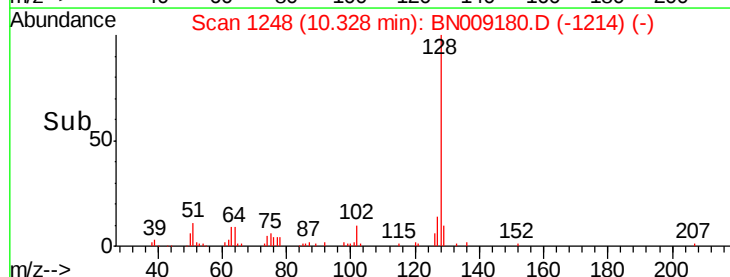
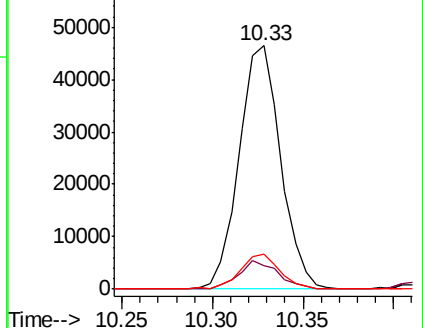
127 14.4 10.4 15.6

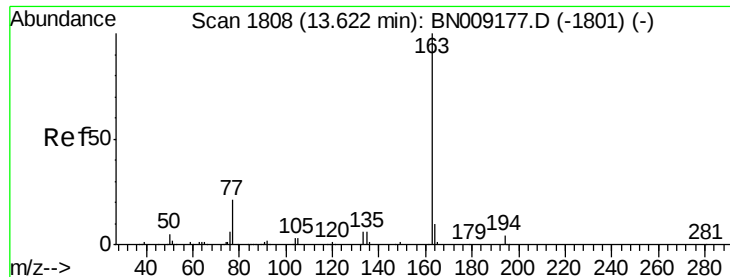


Abundance Ion 128.00 (127.70 to 128.70): BN009177.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BN009177.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BN009177.D (-1239) (-)

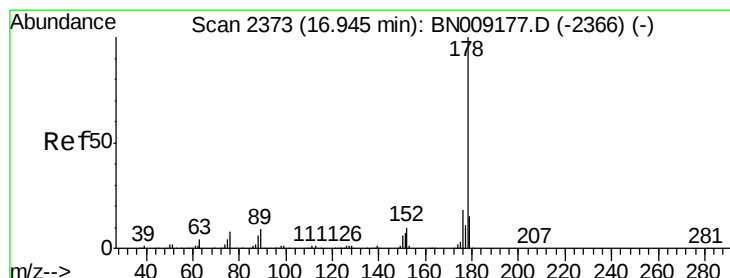
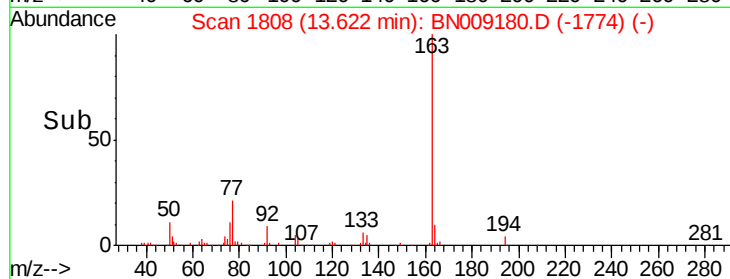
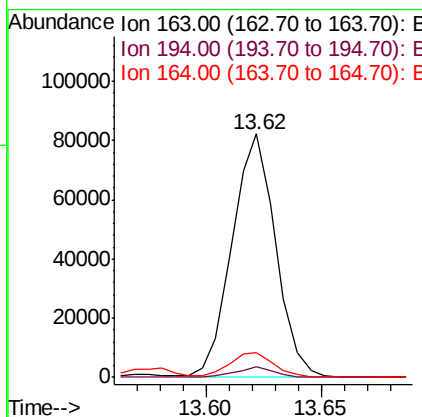
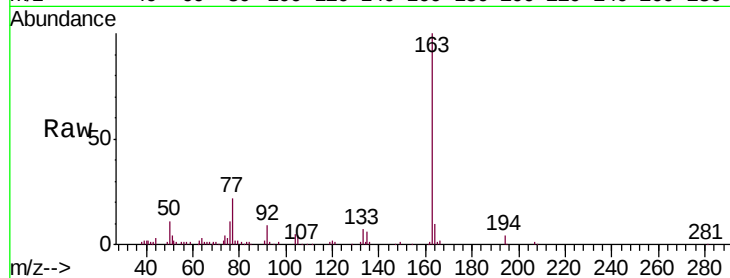




#44
Dimethylphthalate
Concen: 1.622 ng/ul
RT: 13.62 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BN009180.D
Acq: 26 Dec 2019 19:40

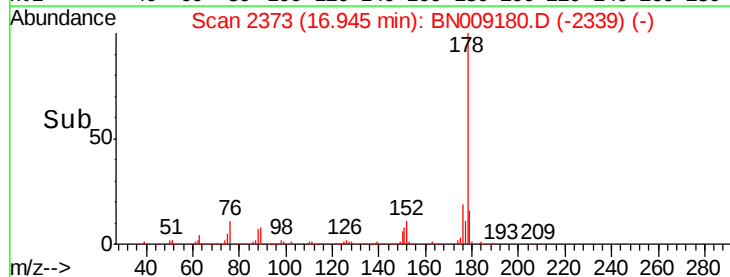
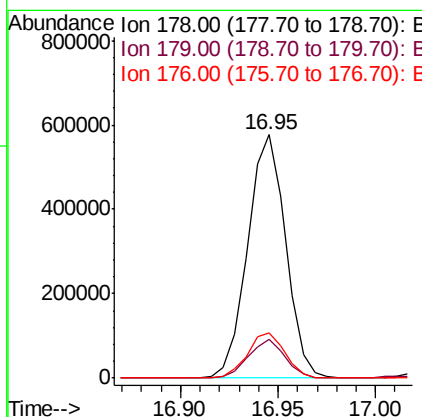
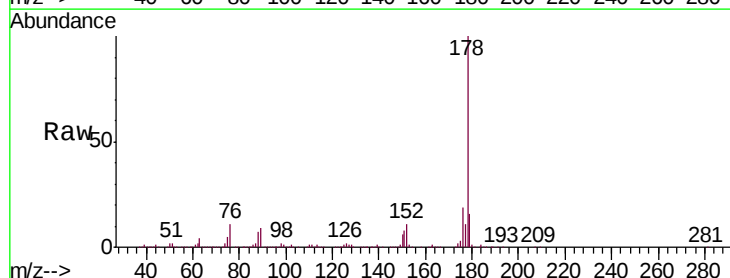
Instrument :
BNA_N
ClientSampleId :
CB5R4

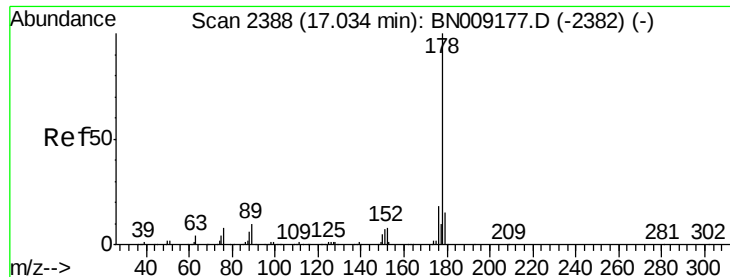
Tgt Ion:163 Resp: 107610
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.4 8.3 12.5



#69
Phenanthrene
Concen: 7.841 ng/ul
RT: 16.95 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BN009180.D
Acq: 26 Dec 2019 19:40

Tgt Ion:178 Resp: 775917
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.8
176 18.7 15.2 22.8

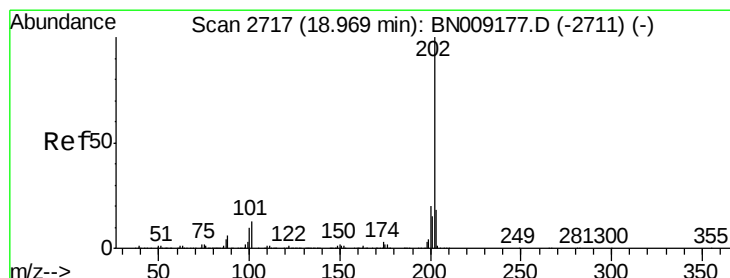
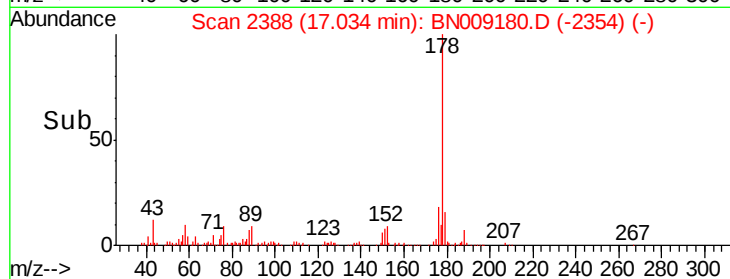
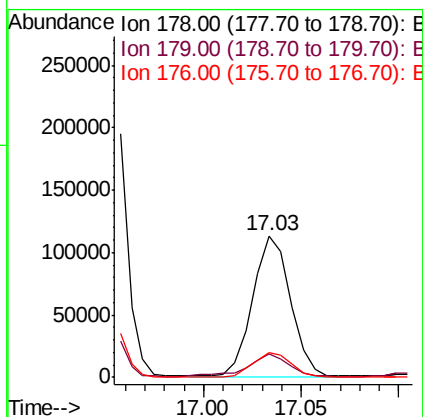
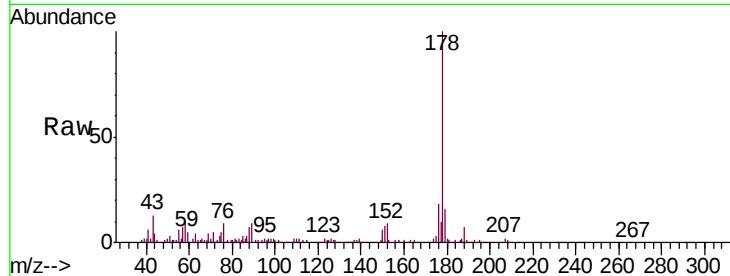




#71
 Anthracene
 Concen: 1.498 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.00 min
 Lab File: BN009180.D
 Acq: 26 Dec 2019 19:40

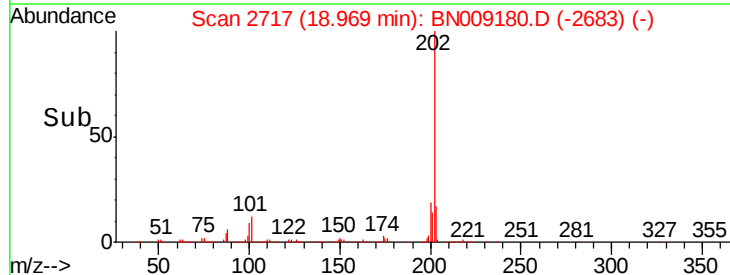
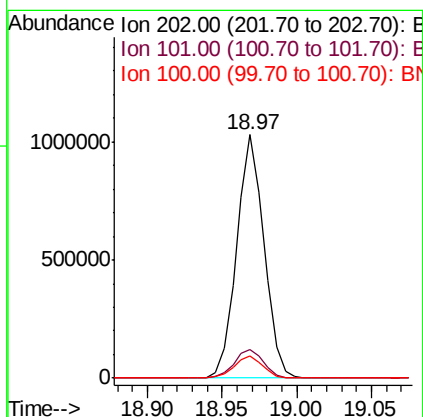
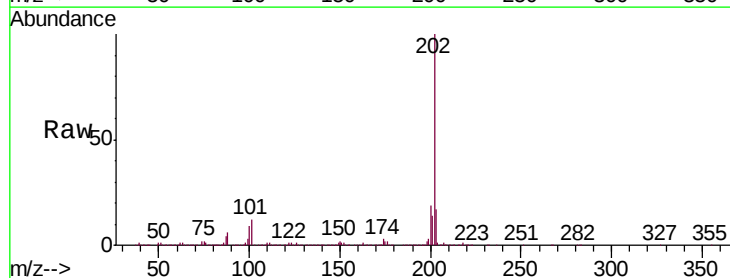
Instrument :
 BNA_N
 ClientSampleId :
 CB5R4

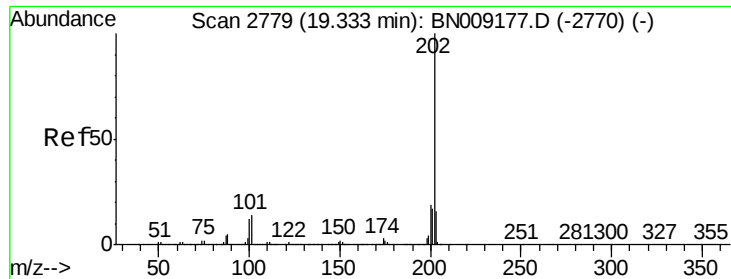
Tgt Ion:178 Resp: 152460
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 18.8
 176 17.8 14.8 22.2



#76
 Fluoranthene
 Concen: 11.453 ng/ul
 RT: 18.97 min Scan# 2717
 Delta R.T. 0.00 min
 Lab File: BN009180.D
 Acq: 26 Dec 2019 19:40

Tgt Ion:202 Resp: 1308894
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.3 13.9
 100 9.2 7.6 11.4





#79

Pyrene

Concen: 10.765 ng/ul

RT: 19.33 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

Instrument :

BNA_N

ClientSampleId :

CB5R4

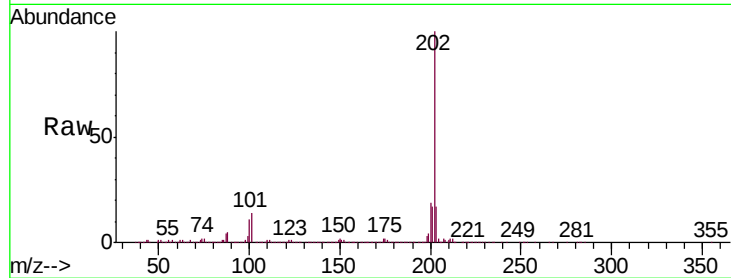
Tgt Ion:202 Resp: 1136885

Ion Ratio Lower Upper

202 100

101 13.8 11.1 16.7

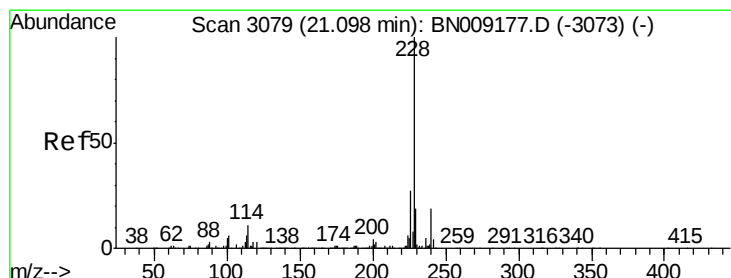
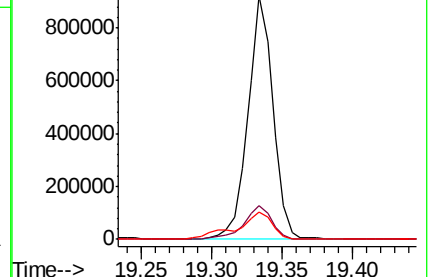
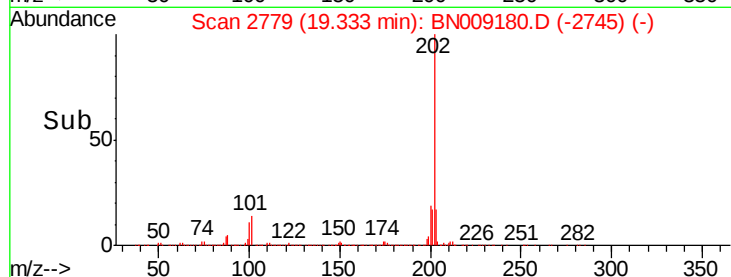
100 11.5 9.0 13.4



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: 5.609 ng/ul

RT: 21.10 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

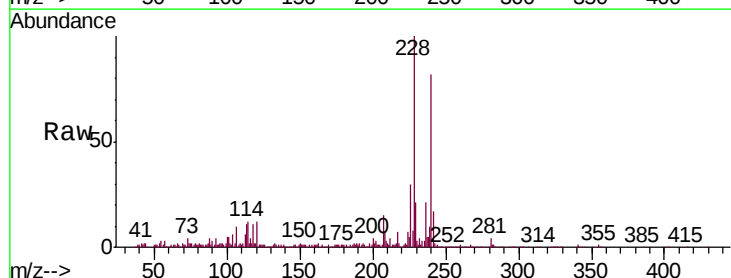
Tgt Ion:228 Resp: 577100

Ion Ratio Lower Upper

228 100

229 20.5 15.2 22.8

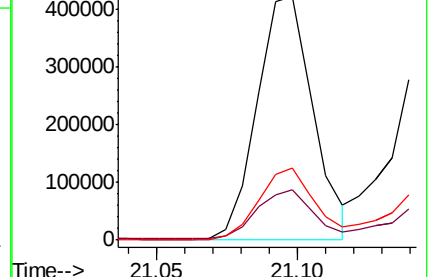
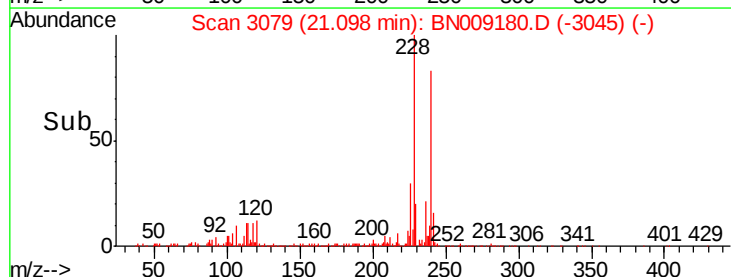
226 29.9 19.8 29.6#

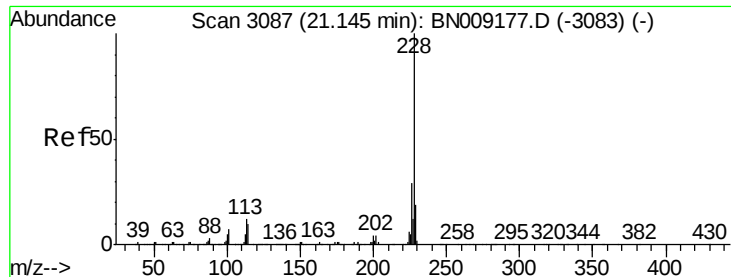


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 5.661 ng/u1

RT: 21.15 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BN009180.D

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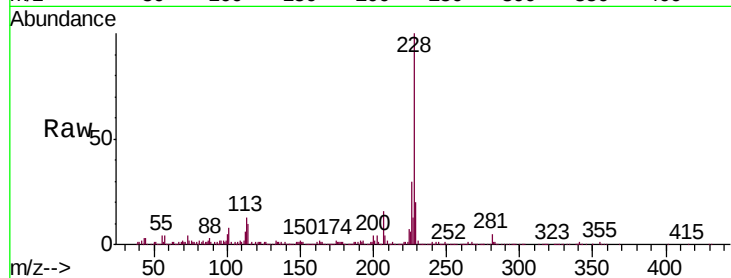
Tgt Ion:228 Resp: 559791

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 20.5 15.9 23.9

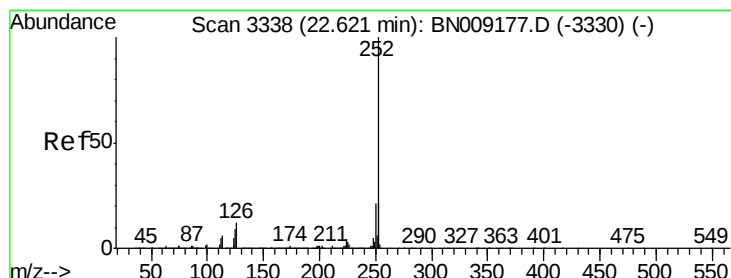
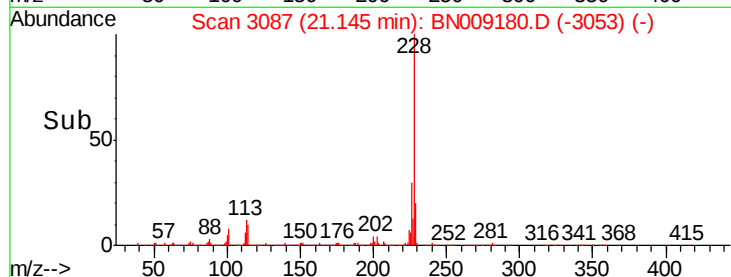
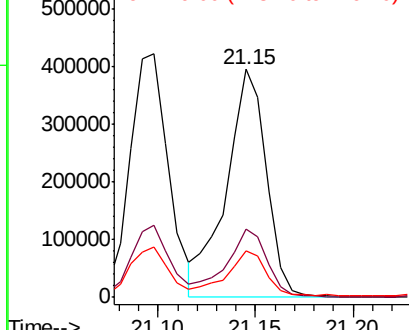


Abundance

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: 6.948 ng/u1

RT: 22.62 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

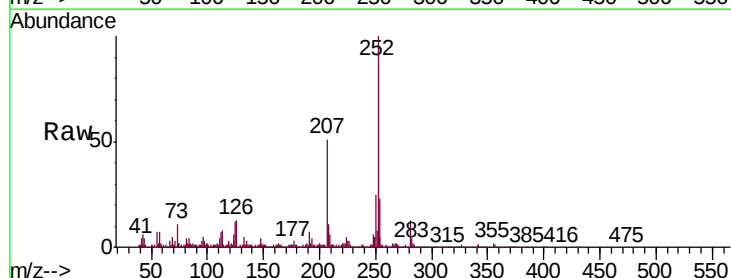
Tgt Ion:252 Resp: 588315

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 12.1 8.5 12.7

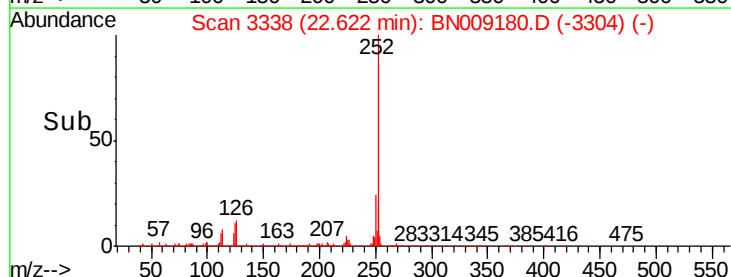
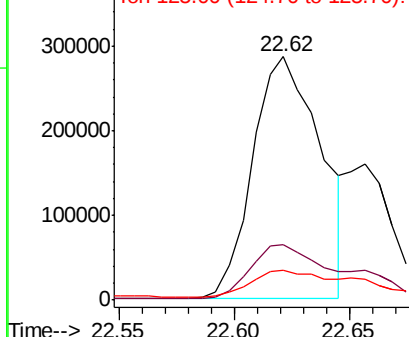


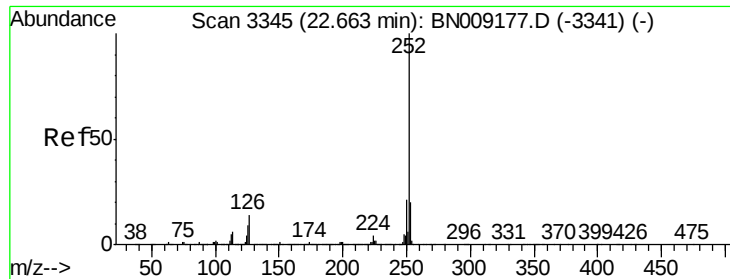
Abundance

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: 7.115 ng/ul

RT: 22.62 min Scan# 3338

Delta R.T. -0.04 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

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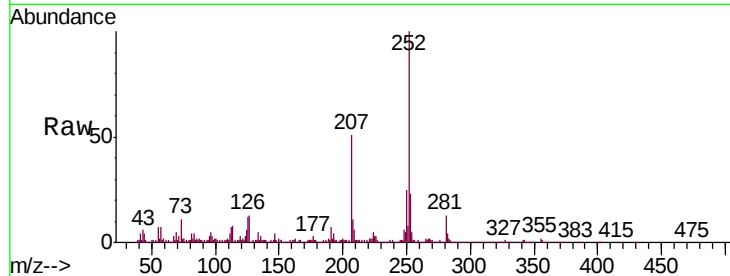
Tgt Ion:252 Resp: 588315

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 12.1 8.8 13.2

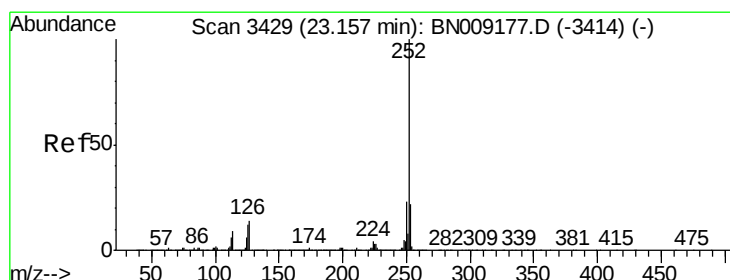
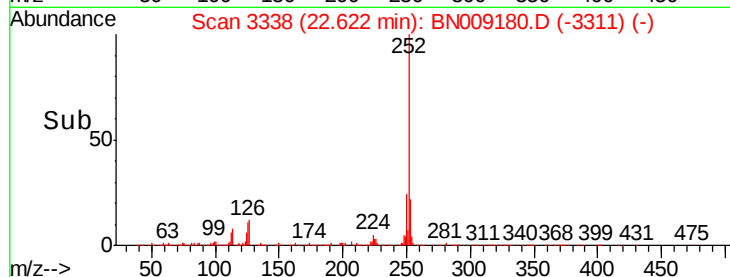
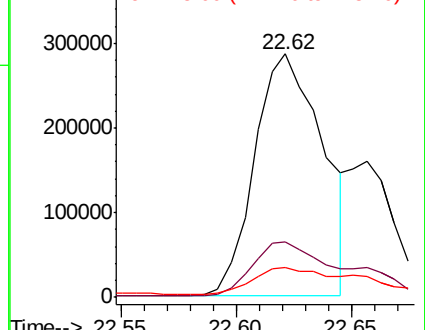


Abundance

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: 4.406 ng/ul

RT: 23.16 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

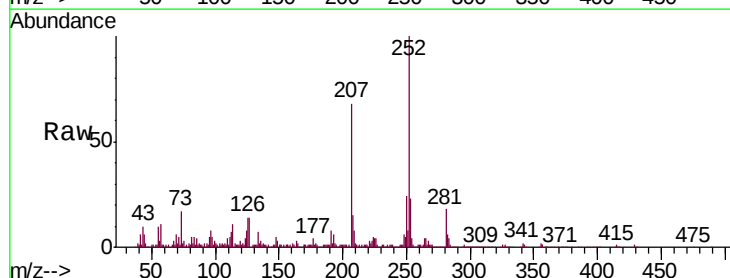
Tgt Ion:252 Resp: 342521

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 14.1 9.5 14.3

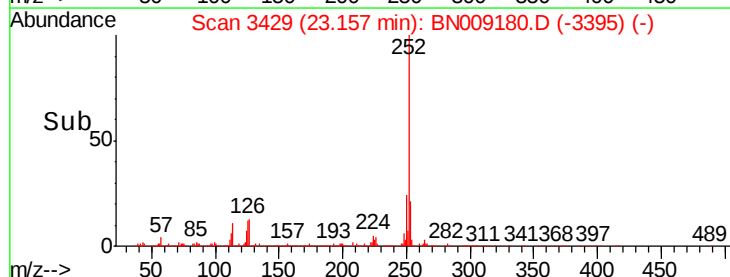
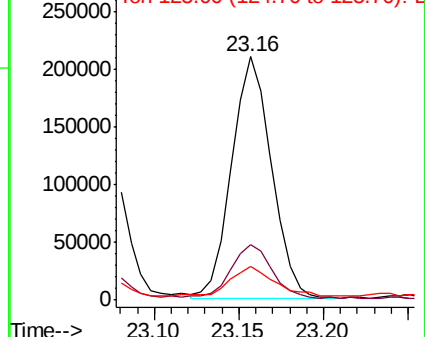


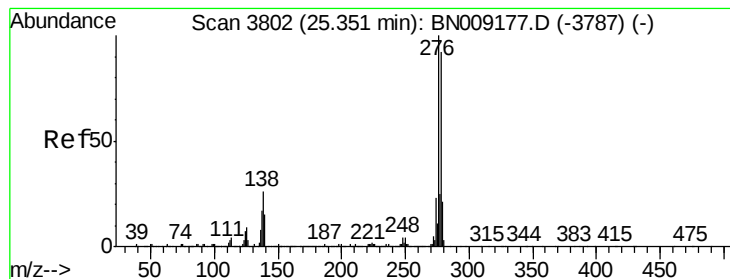
Abundance

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: 2.024 ng/ul

RT: 25.34 min Scan# 3801

Delta R.T. -0.01 min

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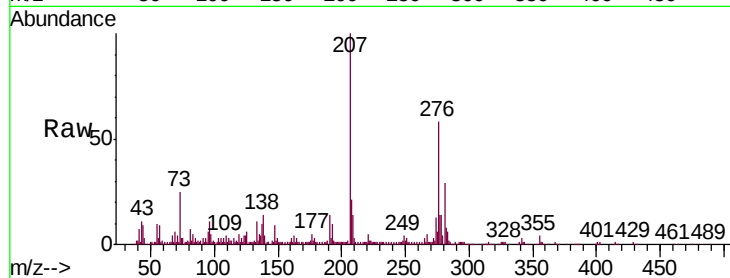
Tgt Ion:276 Resp: 190641

Ion Ratio Lower Upper

276 100

138 24.5 20.5 30.7

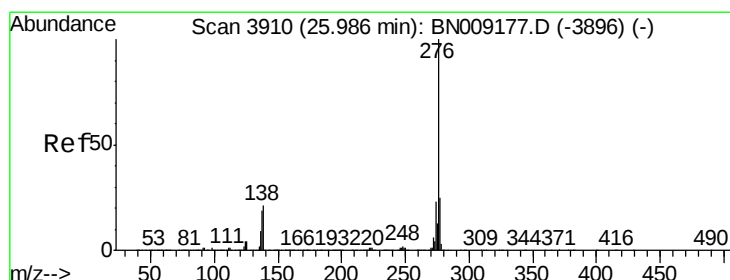
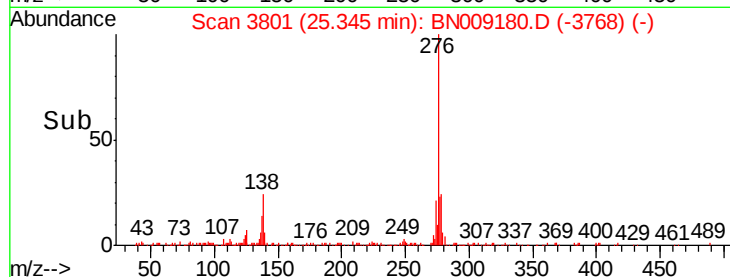
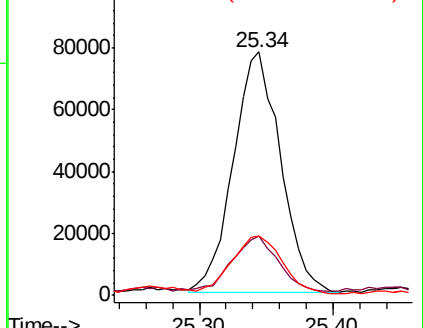
277 24.2 20.2 30.4



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



#93

Benzo(g,h,i)perylene

Concen: 2.366 ng/ul

RT: 25.99 min Scan# 3910

Delta R.T. 0.00 min

Lab File: BN009180.D

Acq: 26 Dec 2019 19:40

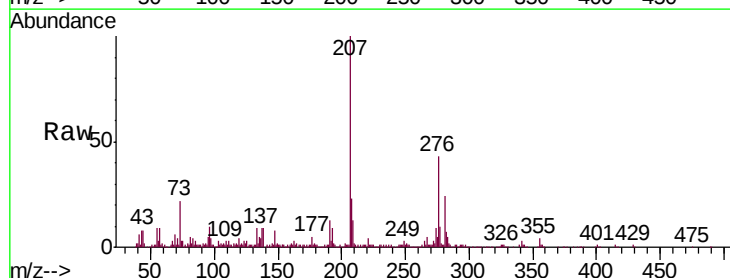
Tgt Ion:276 Resp: 186450

Ion Ratio Lower Upper

276 100

138 20.1 17.8 26.6

277 24.1 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

