

Data File : BN009181.D
Acq On : 26 Dec 2019 20:16
Operator : JU
Sample : K6381-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R5

Quant Time: Dec 27 01:34:04 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	332319	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1524954	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	971981	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1999571	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1547165	20.00	ng/ul	0.00
85) Perylene-d12	23.25	264	1375822	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	42204	5.80	ng/uL	0.00
5) Phenol-d5	6.72	99	938959	29.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	619809	30.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	713018	31.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	767615	30.10	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	381734	33.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	429021	33.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	746838	30.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	1055336	36.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2246378	30.77	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2874675	33.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	426127	29.36	ng/ul	0.00
57) Fluorene-d10	15.16	176	2010764	31.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	270789	21.71	ng/ul	0.00
70) Anthracene-d10	17.00	188	2992380	32.17	ng/ul	0.00
78) Pyrene-d10	19.31	212	3205118	39.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2291525	33.06	ng/ul	0.00

Target Compounds

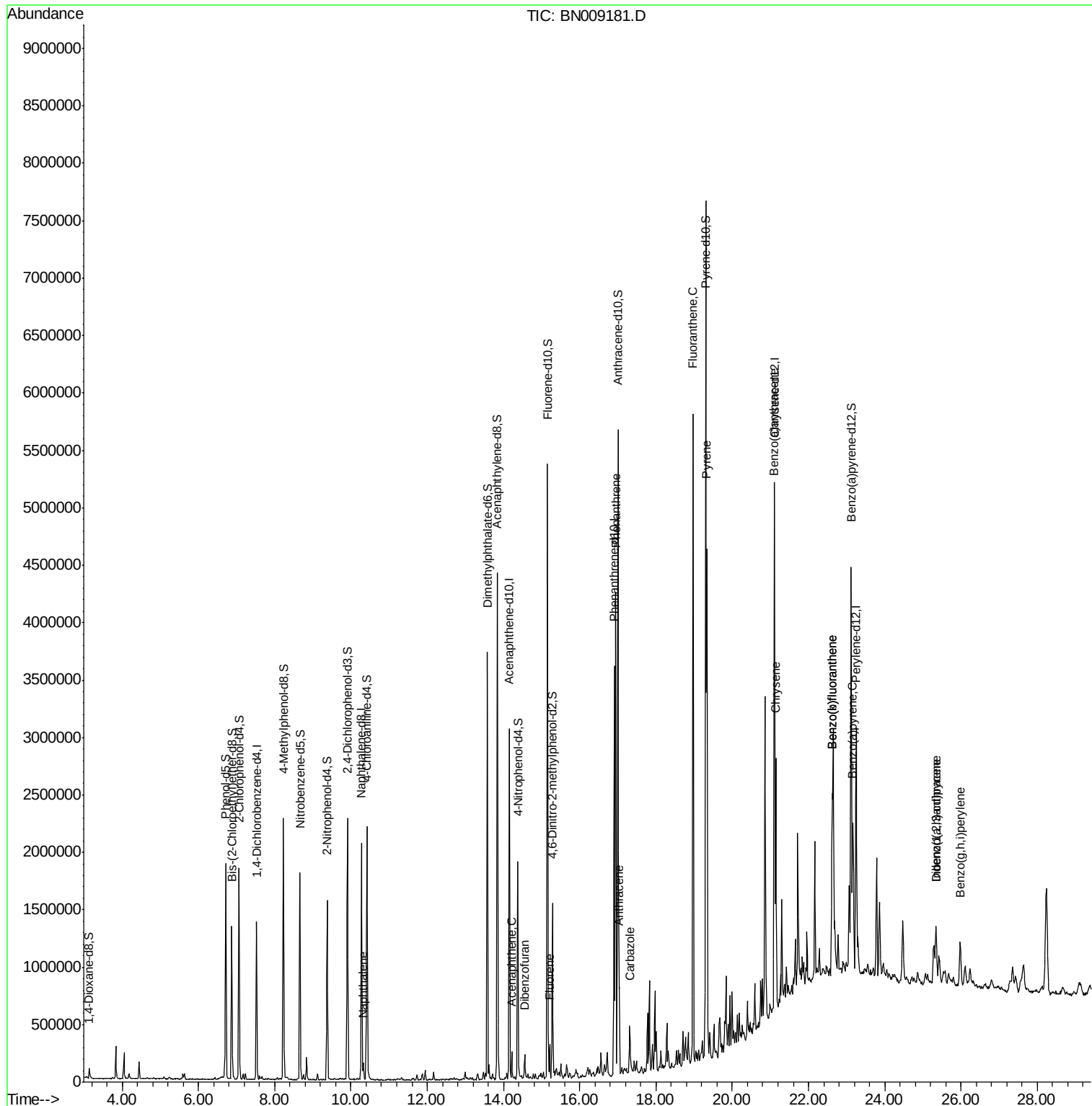
					Qvalue	
28) Naphthalene	10.33	128	104721	1.287	ng/ul	97
49) Acenaphthene	14.22	153	85259	1.383	ng/ul	97
53) Dibenzofuran	14.56	168	104010	1.202	ng/ul	99
58) Fluorene	15.21	166	116184	1.607	ng/ul	99
69) Phenanthrene	16.95	178	2289576	20.768	ng/ul	98
71) Anthracene	17.03	178	456883	4.028	ng/ul	98
74) Carbazole	17.30	167	185683	1.894	ng/ul	98
76) Fluoranthene	18.97	202	3292961	25.861	ng/ul	98
79) Pyrene	19.33	202	2680258	24.978	ng/ul	98
82) Benzo(a)anthracene	21.10	228	1260767	12.060	ng/ul	96
84) Chrysene	21.15	228	1157428	11.521	ng/ul	99
87) Benzo(b)fluoranthene	22.62	252	1190123	14.153	ng/ul	100
88) Benzo(k)fluoranthene	22.62	252	1190123	14.492	ng/ul	99
90) Benzo(a)pyrene	23.16	252	745566	9.656	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.34	276	437537	4.677	ng/ul	95
92) Dibenzo(a,h)anthracene	25.35	278	128657	1.630	ng/ul#	93
93) Benzo(g,h,i)perylene	25.98	276	404019	5.162	ng/ul	99

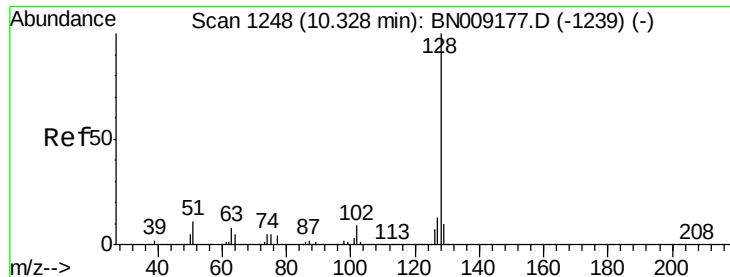
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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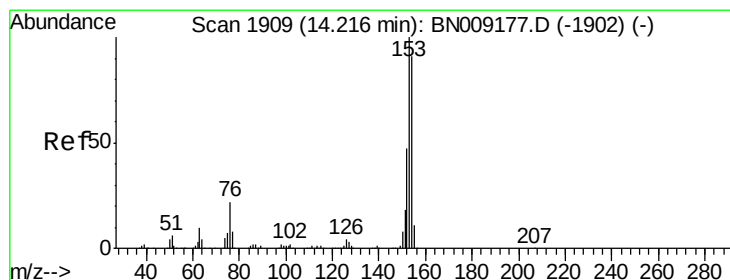
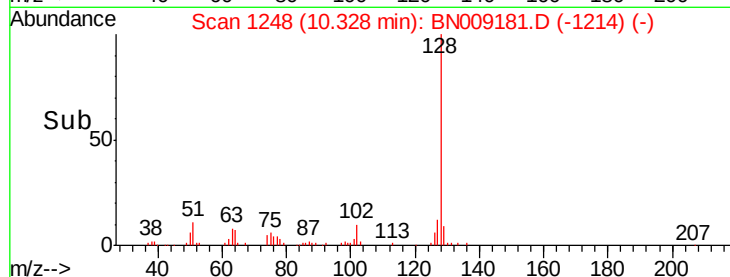
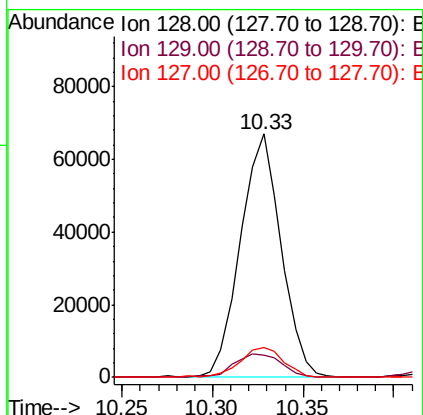
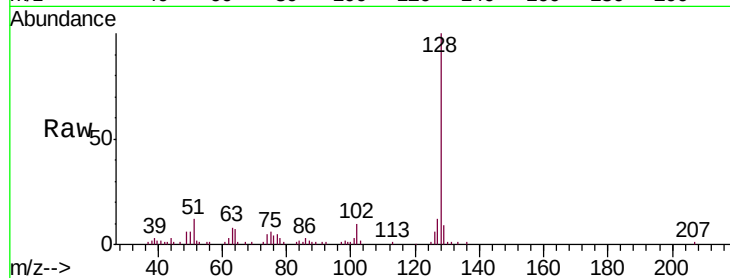




#28
Naphthalene
Concen: 1.287 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BN009181.D
Acq: 26 Dec 2019 20:16

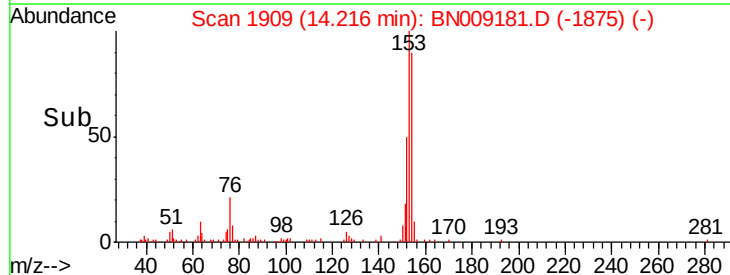
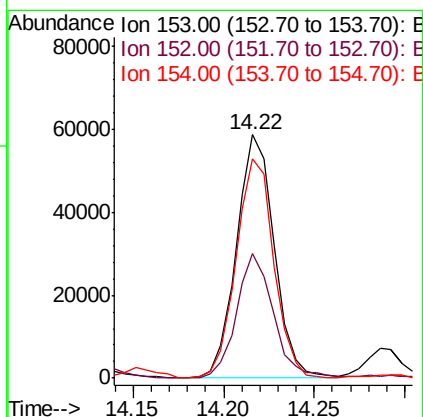
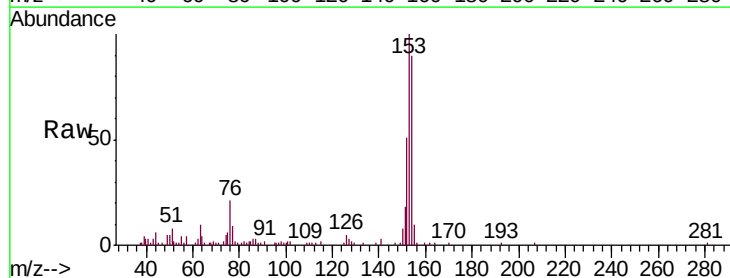
Instrument :
BNA_N
ClientSampleId :
CB5R5

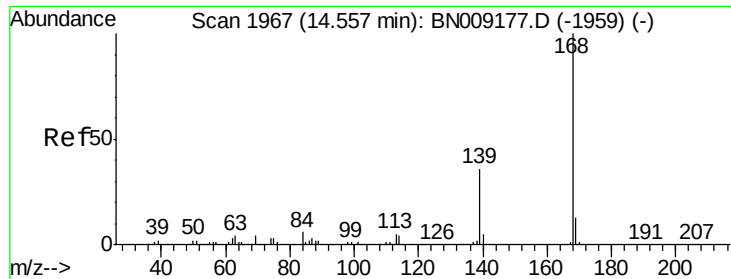
Tgt Ion:128 Resp: 104721
Ion Ratio Lower Upper
128 100
129 9.2 8.7 13.1
127 12.2 10.4 15.6



#49
Acenaphthene
Concen: 1.383 ng/ul
RT: 14.22 min Scan# 1909
Delta R.T. -0.00 min
Lab File: BN009181.D
Acq: 26 Dec 2019 20:16

Tgt Ion:153 Resp: 85259
Ion Ratio Lower Upper
153 100
152 51.1 37.8 56.8
154 90.2 71.3 106.9





#53

Dibenzo(f,h)quinoxaline

Concen: 1.202 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

Instrument :

BNA_N

ClientSampleId :

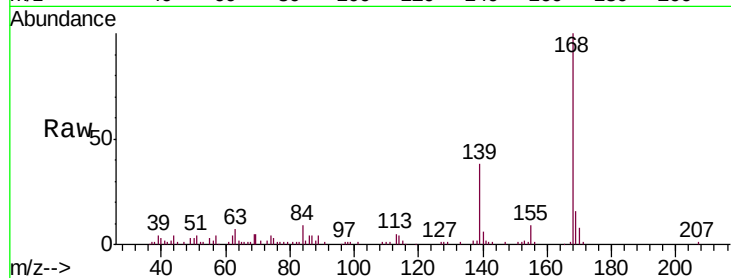
CB5R5

Tgt Ion:168 Resp: 104010

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

14.56

80000

60000

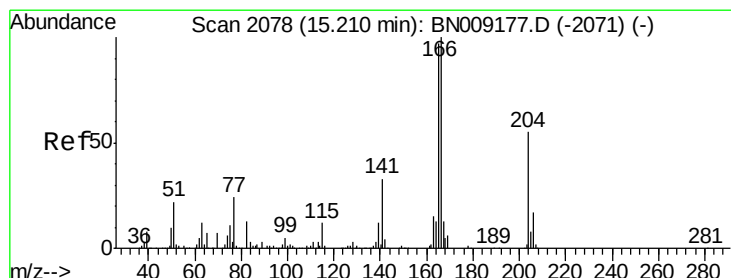
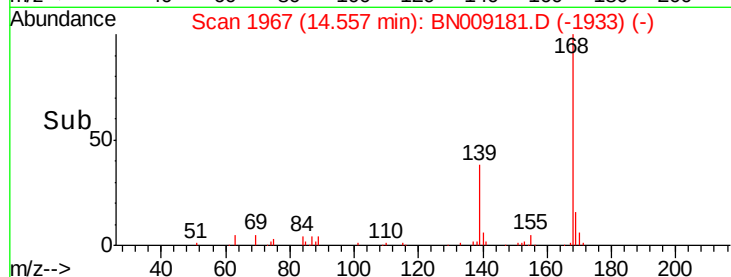
40000

20000

0

14.50 14.55 14.60

Time-->



#58

Fluorene

Concen: 1.607 ng/ul

RT: 15.21 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

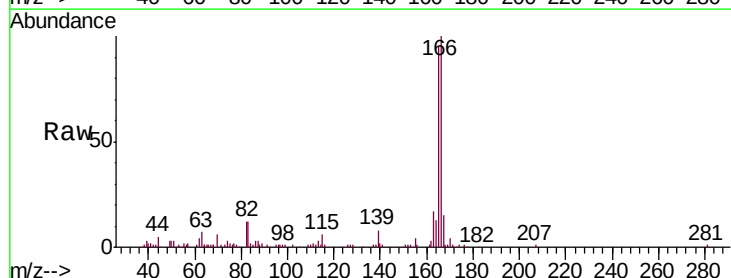
Tgt Ion:166 Resp: 116184

Ion Ratio Lower Upper

166 100

165 95.2 75.3 112.9

167 14.6 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

15.21

100000

80000

60000

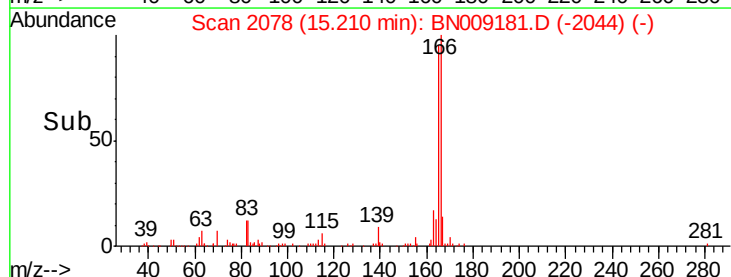
40000

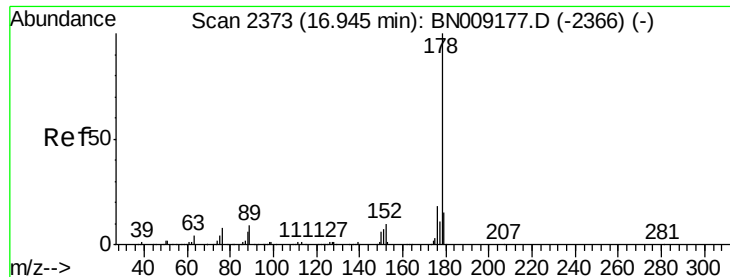
20000

0

15.15 15.20 15.25

Time-->





#69

Phenanthrene

Concen: 20.768 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

Instrument :

BNA_N

ClientSampleId :

CB5R5

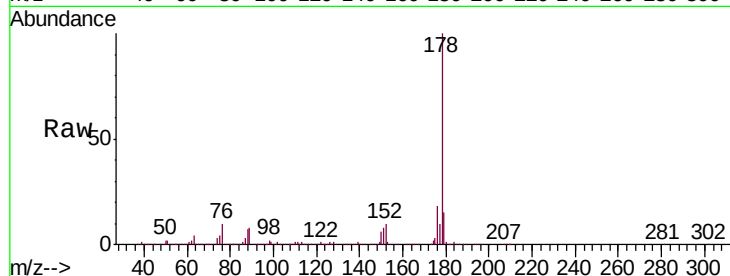
Tgt Ion:178 Resp: 2289576

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

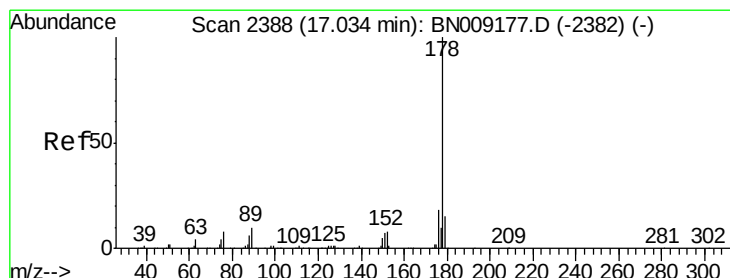
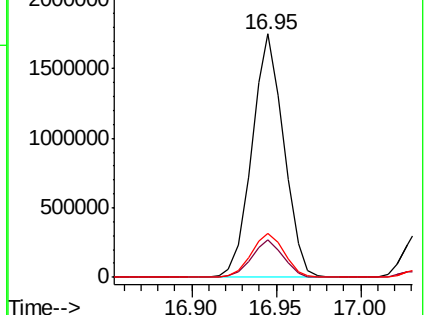
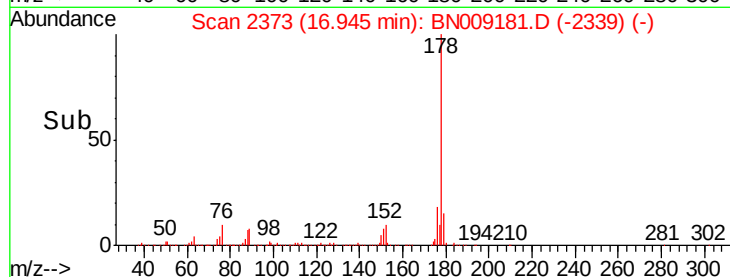
176 18.2 15.2 22.8



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: 4.028 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

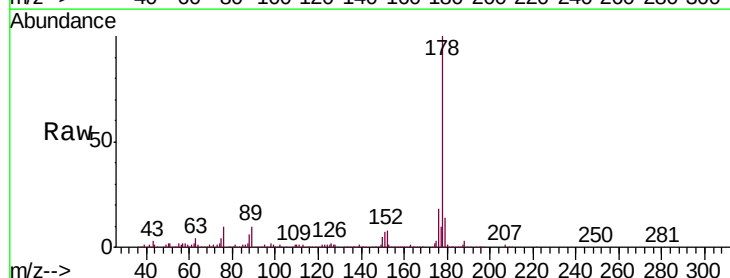
Tgt Ion:178 Resp: 456883

Ion Ratio Lower Upper

178 100

179 14.4 12.6 18.8

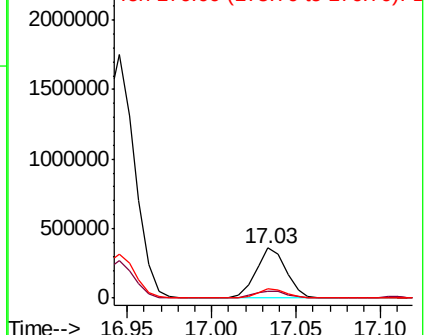
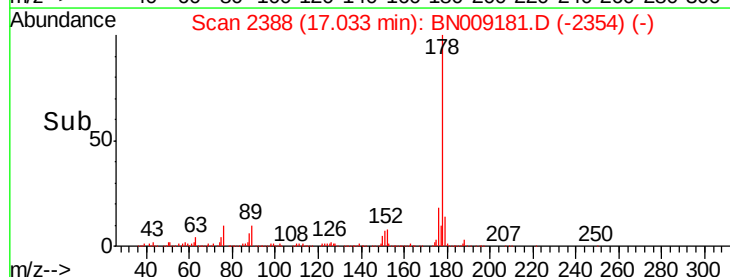
176 17.8 14.8 22.2

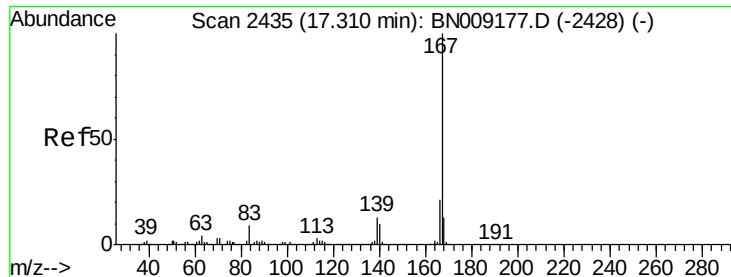


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

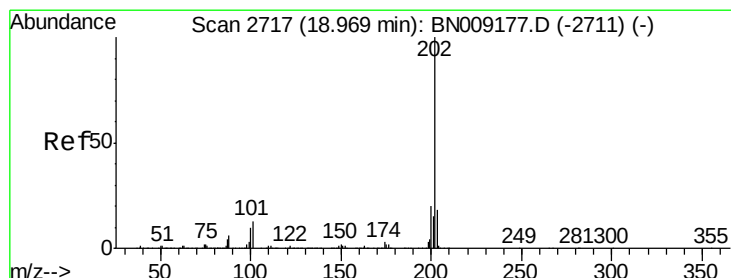
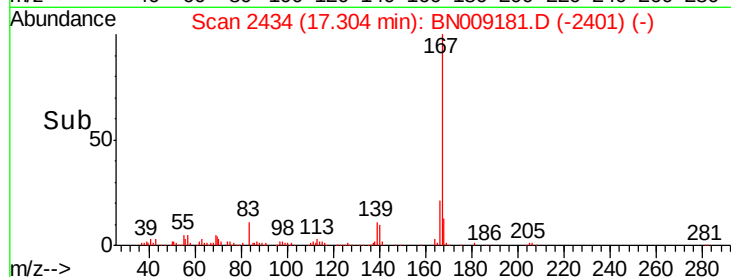
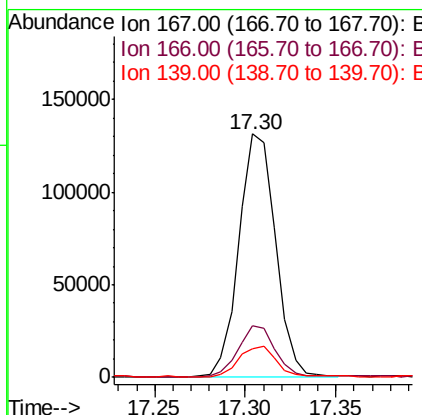
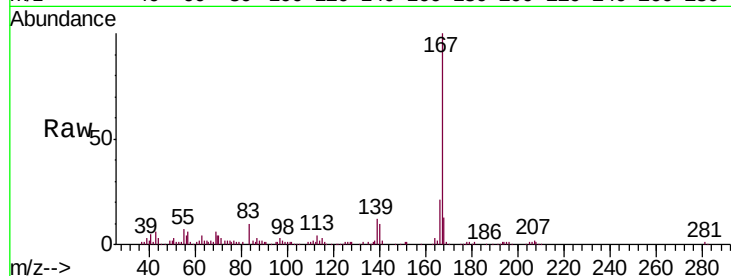




#74
 Carbazole
 Concen: 1.894 ng/ul
 RT: 17.30 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BN009181.D
 Acq: 26 Dec 2019 20:16

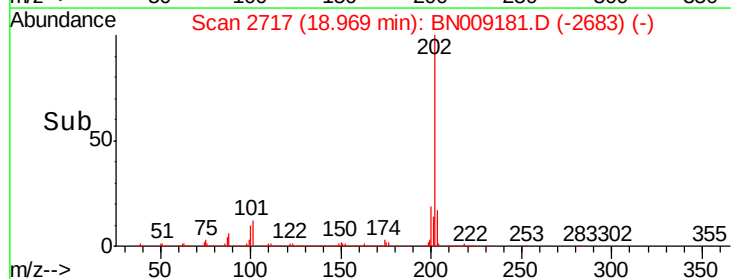
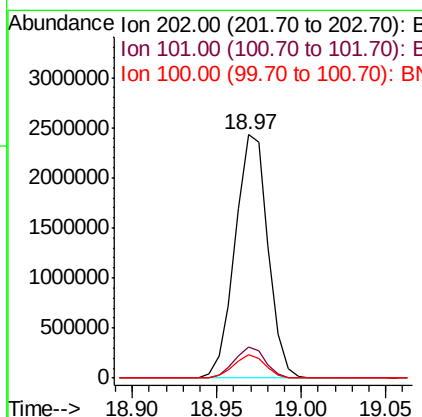
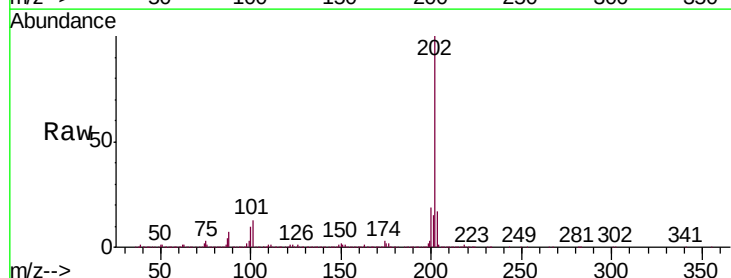
Instrument :
 BNA_N
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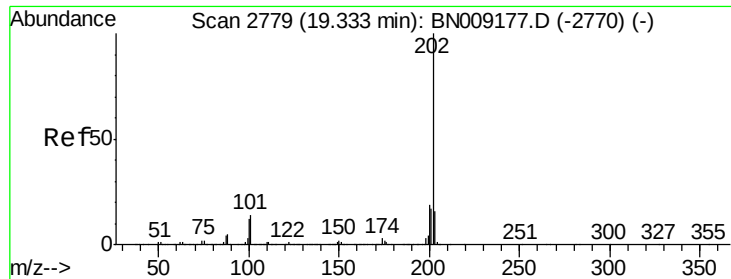
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	11.6	10.6	15.8



#76
 Fluoranthene
 Concen: 25.861 ng/ul
 RT: 18.97 min Scan# 2717
 Delta R.T. -0.00 min
 Lab File: BN009181.D
 Acq: 26 Dec 2019 20:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.3	13.9
100	9.6	7.6	11.4

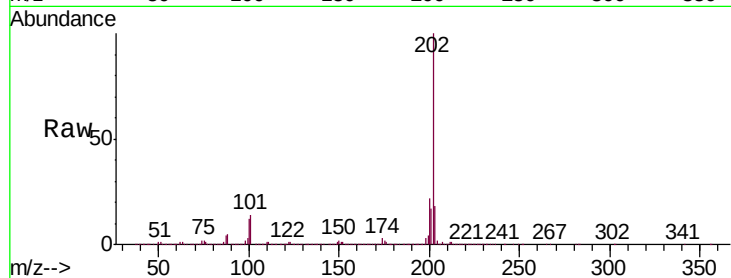




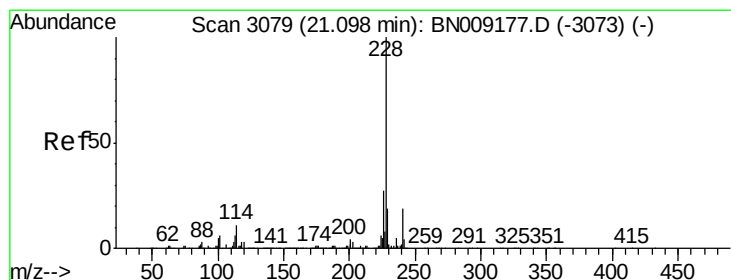
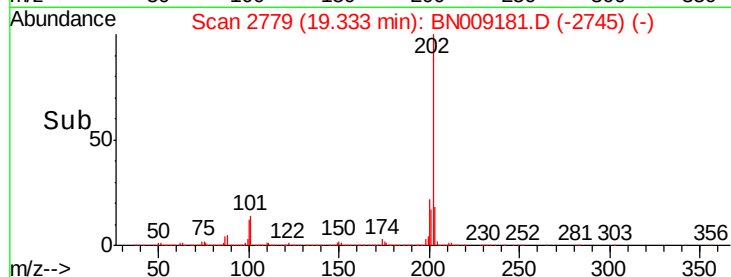
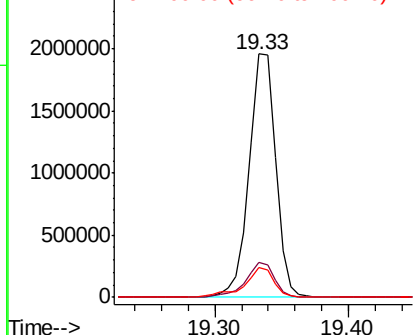
#79
 Pyrene
 Concen: 24.978 ng/ul
 RT: 19.33 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: BN009181.D
 Acq: 26 Dec 2019 20:16

Instrument :
 BNA_N
 ClientSampleId :
 CB5R5

Tgt Ion:202 Resp: 2680258
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.1 16.7
 100 12.2 9.0 13.4

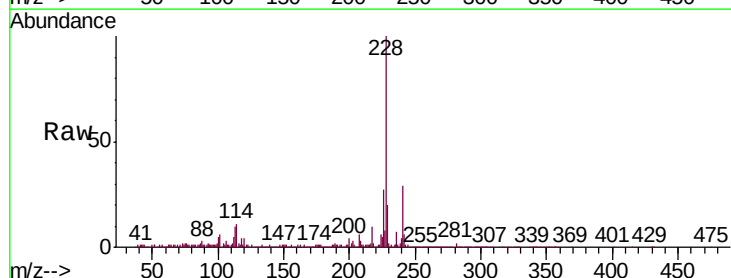


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

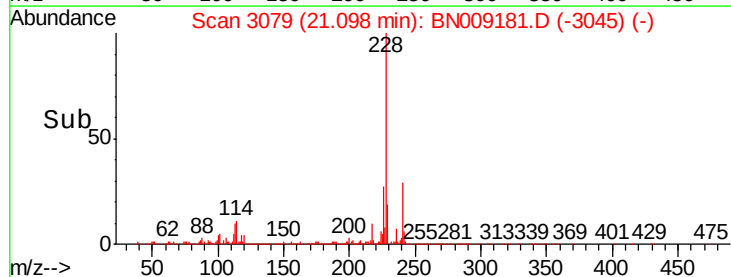
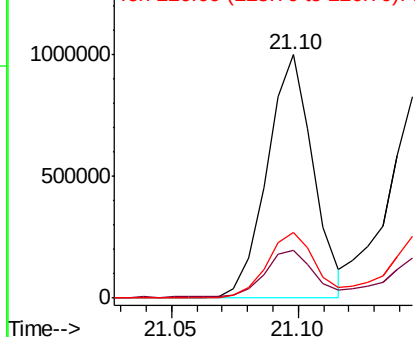


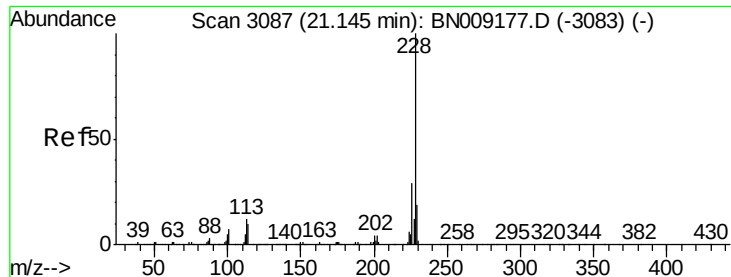
#82
 Benzo(a)anthracene
 Concen: 12.060 ng/ul
 RT: 21.10 min Scan# 3079
 Delta R.T. -0.00 min
 Lab File: BN009181.D
 Acq: 26 Dec 2019 20:16

Tgt Ion:228 Resp: 1260767
 Ion Ratio Lower Upper
 228 100
 229 19.9 15.2 22.8
 226 27.2 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: 11.521 ng/ul

RT: 21.15 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

Instrument :

BNA_N

ClientSampled :

CB5R5

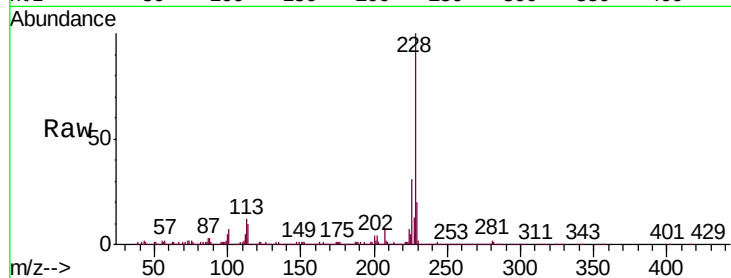
Tgt Ion:228 Resp: 1157428

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

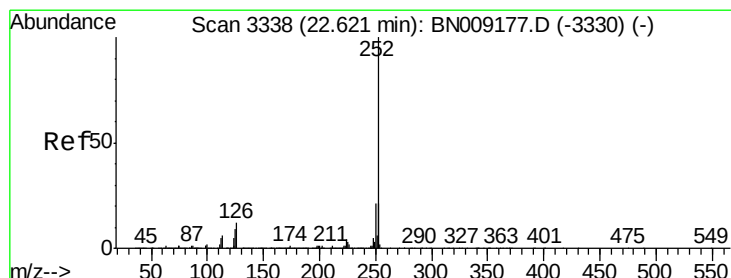
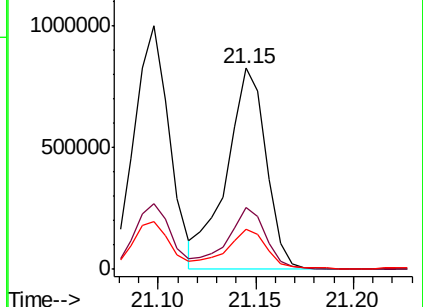
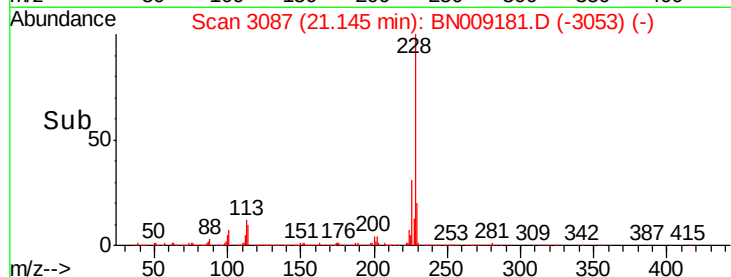
229 20.2 15.9 23.9



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: 14.153 ng/ul

RT: 22.62 min Scan# 3338

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

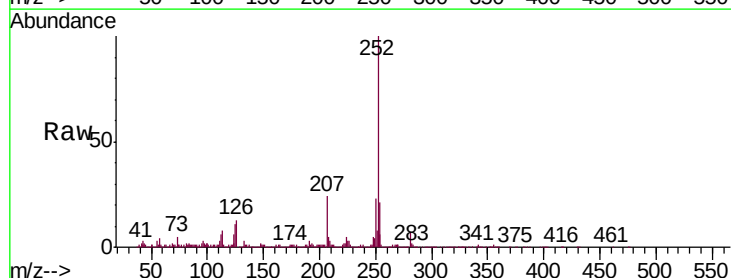
Tgt Ion:252 Resp: 1190123

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

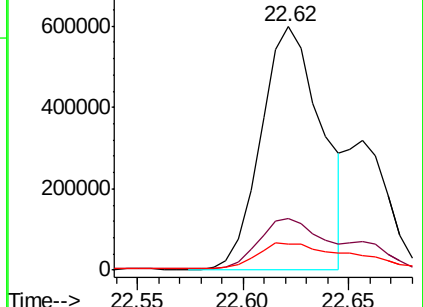
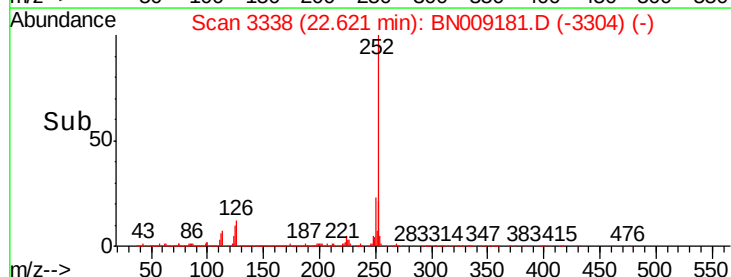
125 10.8 8.5 12.7

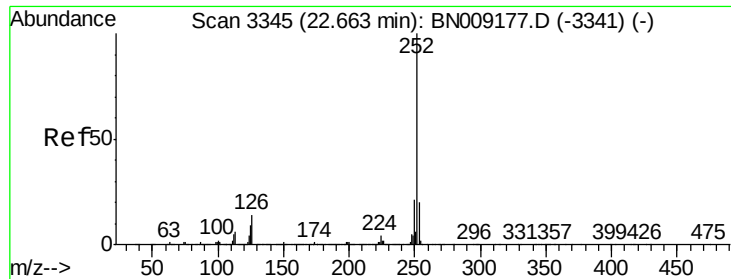


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 14.492 ng/ul

RT: 22.62 min Scan# 3338

Delta R.T. -0.04 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

Instrument :

BNA_N

ClientSampleId :

CB5R5

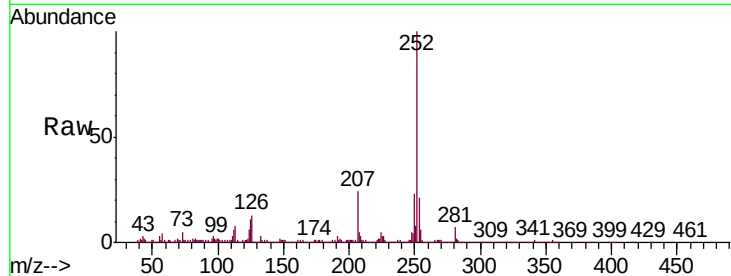
Tgt Ion:252 Resp: 1190123

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

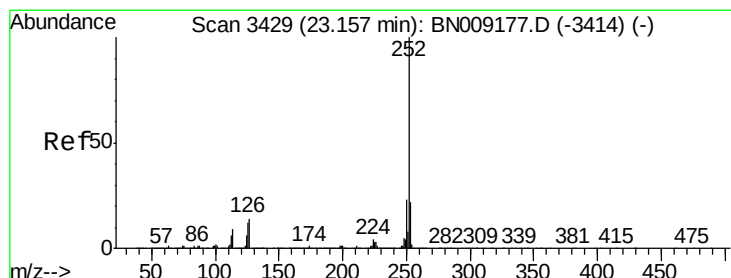
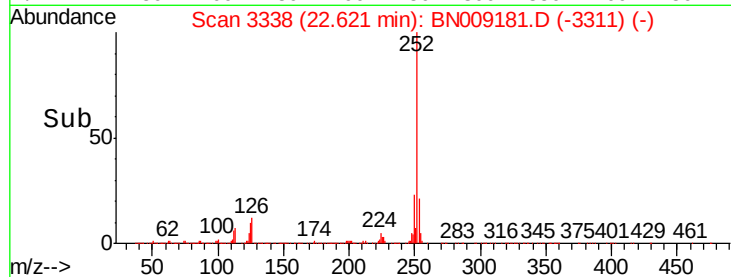
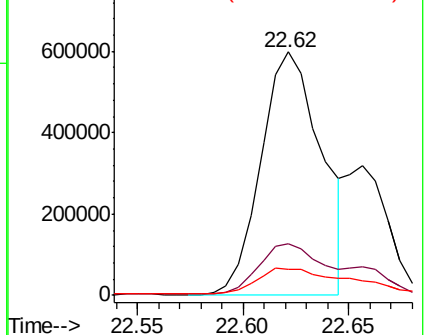
125 10.8 8.8 13.2



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: 9.656 ng/ul

RT: 23.16 min Scan# 3429

Delta R.T. -0.00 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

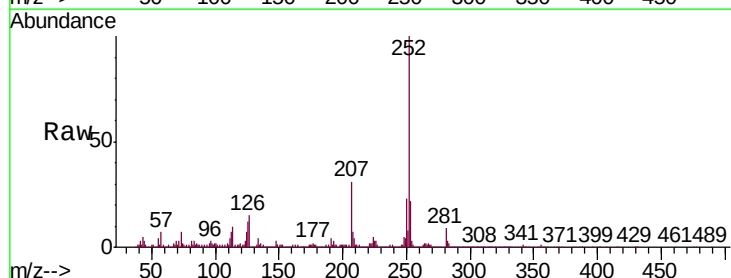
Tgt Ion:252 Resp: 745566

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

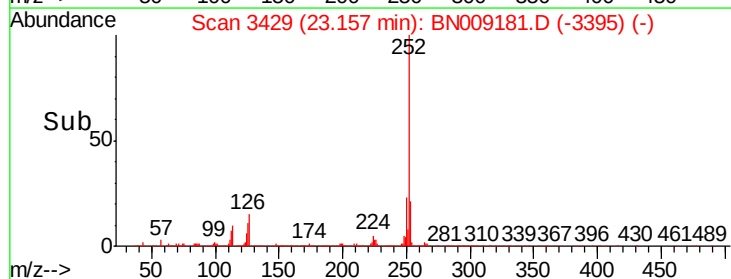
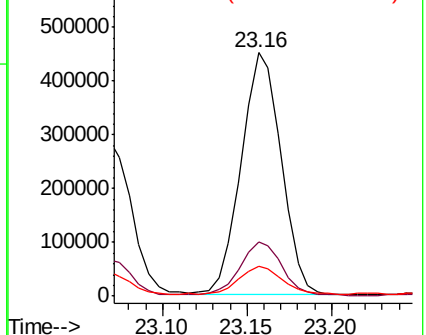
125 12.0 9.5 14.3

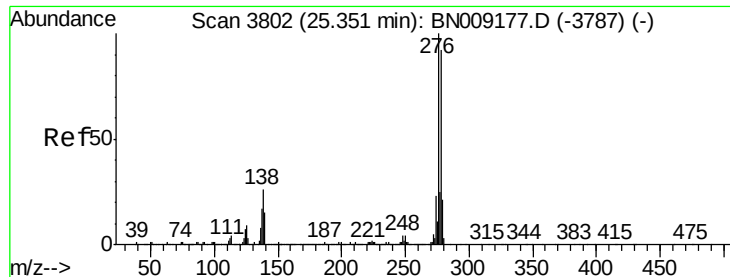


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



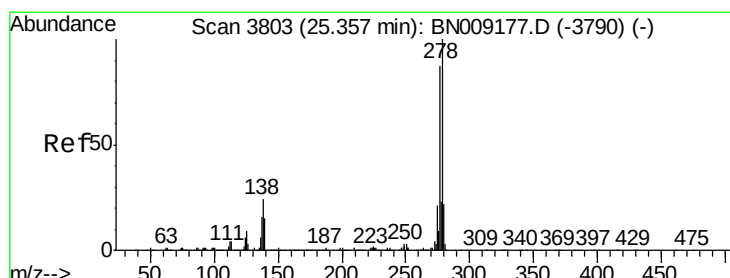
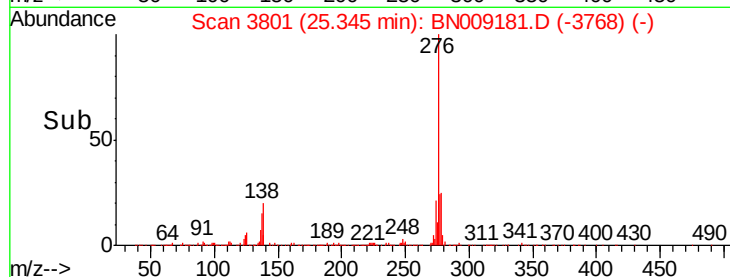
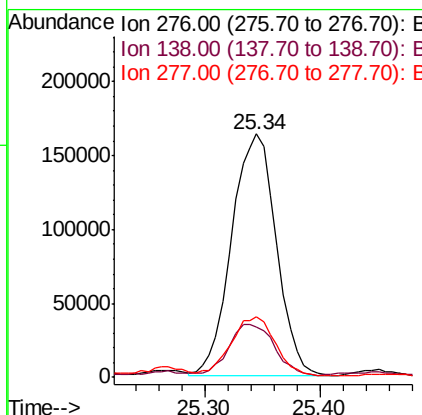
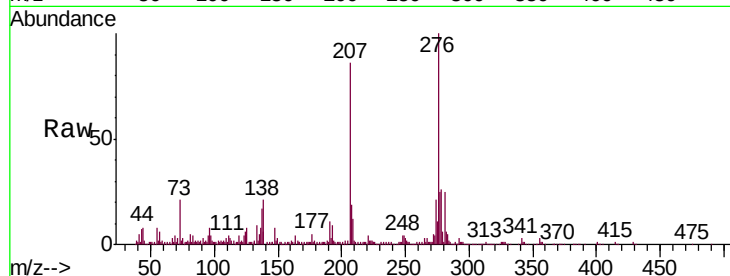


#91

Indeno(1,2,3-cd)pyrene
Concen: 4.677 ng/ul
RT: 25.34 min Scan# 3801
Delta R.T. -0.01 min
Lab File: BN009181.D
Acq: 26 Dec 2019 20:16

Instrument :
BNA_N
ClientSampleId :
CB5R5

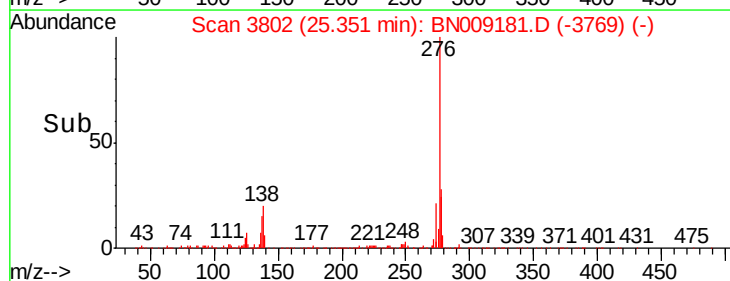
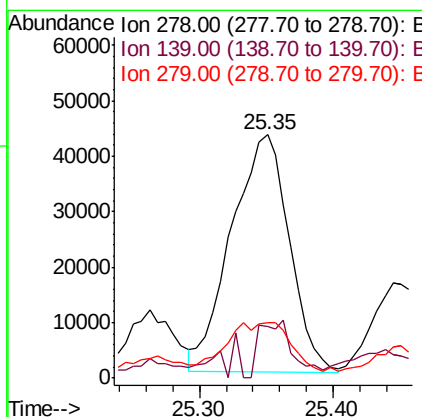
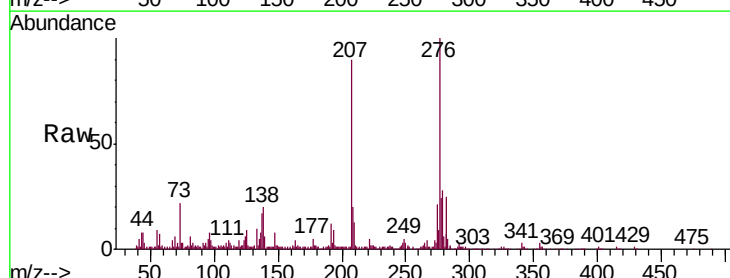
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.5	30.7
277	24.9	20.2	30.4

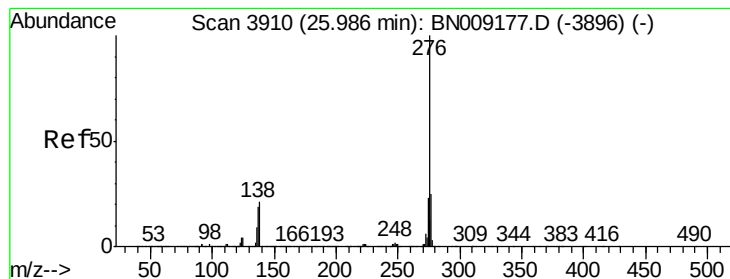


#92

Dibenzo(a,h)anthracene
Concen: 1.630 ng/ul
RT: 25.35 min Scan# 3802
Delta R.T. -0.01 min
Lab File: BN009181.D
Acq: 26 Dec 2019 20:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	12.4	18.6#
279	22.6	19.0	28.6





#93

Benzo(g,h,i)perylene

Concen: 5.162 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BN009181.D

Acq: 26 Dec 2019 20:16

Instrument :

BNA_N

ClientSampleId :

CB5R5

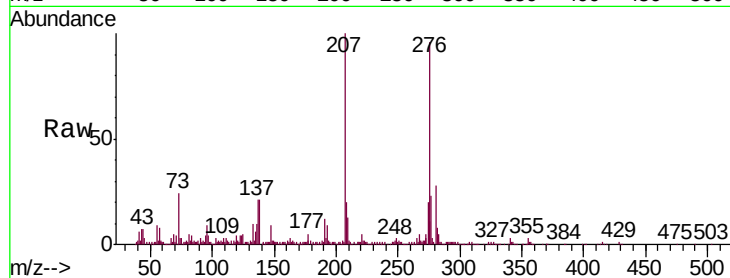
Tgt Ion: 276 Resp: 404019

Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.6

277 24.0 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

