

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM093019\
 Data File : BM022821.D
 Acq On : 30 Sep 2019 12:38
 Operator : JU
 Sample : K4958-13MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

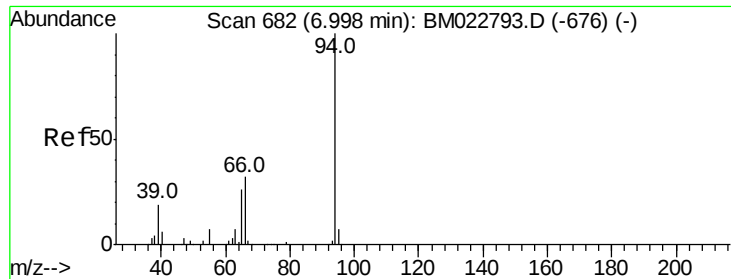
Quant Time: Sep 30 23:37:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 27 18:03:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	271904	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1197109	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.45	164	766955	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.18	188	1610240	20.00	ng/ul	0.00
78) Chrysene-d12	21.36	240	1502303	20.00	ng/ul	0.00
86) Perylene-d12	23.63	264	1330725	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	15785	2.51	ng/uL	0.00
5) Phenol-d5	6.97	99	326448	13.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	203396	15.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	288124	14.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	241814	12.29	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	142257	15.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	152761	15.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	289593	14.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	382130	15.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.85	166	967960	16.26	ng/ul	0.00
47) Acenaphthylene-d8	14.13	160	1112269	16.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.63	143	143759	12.22	ng/ul	0.00
58) Fluorene-d10	15.43	176	843943	16.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.55	200	97690	9.32	ng/ul	0.00
71) Anthracene-d10	17.28	188	1283743	16.33	ng/ul	0.00
79) Pyrene-d10	19.57	212	1560772	19.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.49	264	1212861	17.62	ng/ul	-0.01

Target Compounds				Ovalue		
6) Phenol	7.00	94	378550	15.031	ng/ul	99
10) 2-Chlorophenol	7.37	128	287566	13.857	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.62	70	229927	14.888	ng/ul	99
33) 4-Chloro-3-methylphenol	11.87	107	297716	14.224	ng/ul	99
45) Dimethylphthalate	13.90	163	248940	4.071	ng/ul	99
50) Acenaphthene	14.51	153	808759	15.649	ng/ul	99
53) 4-Nitrophenol	14.65	109	114036	13.267	ng/ul	99
55) 2,4-Dinitrotoluene	14.80	165	273899	15.227	ng/ul	97
69) Pentachlorophenol	16.83	266	170500	12.134	ng/ul	99
70) Phenanthrene	17.22	178	143742	1.496	ng/ul	99
77) Fluoranthene	19.24	202	516718	4.781	ng/ul	99
80) Pyrene	19.60	202	2418604	22.711	ng/ul	99
83) Benzo(a)anthracene	21.34	228	172485	1.599	ng/ul	98
85) Chrysene	21.40	228	245918	2.473	ng/ul	99
88) Benzo(b)fluoranthene	22.95	252	332759	3.768	ng/ul#	96
89) Benzo(k)fluoranthene	22.95	252	332759	3.939	ng/ul#	96
91) Benzo(a)pyrene	23.53	252	180382	2.177	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.93	276	150392	1.709	ng/ul	95
94) Benzo(g,h,i)perylene	26.63	276	152500	2.148	ng/ul	99

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



#6

Phenol

Concen: 15.031 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

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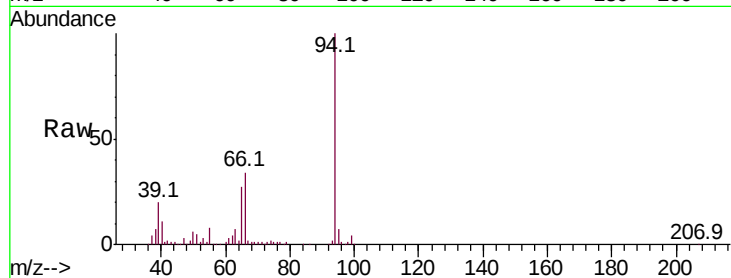
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 94 Resp: 378550

Ion	Ratio	Lower	Upper
94	100		
65	26.8	20.9	31.3
66	34.3	27.2	40.8



Abundance Ion 94.00 (93.70 to 94.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

7.00

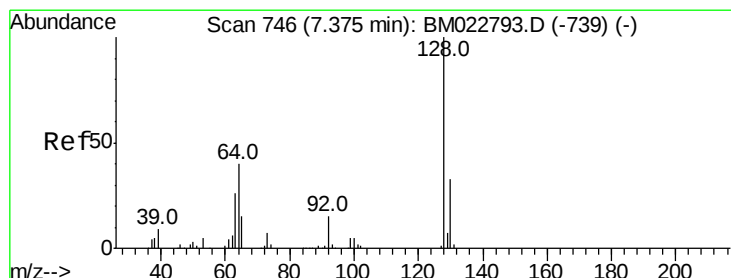
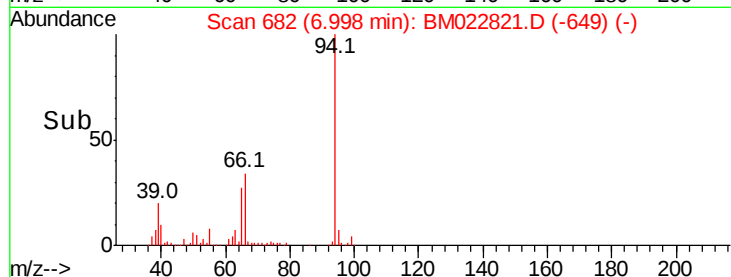
200000

100000

0

Time-->

6.95 7.00 7.05 7.10



#10

2-Chlorophenol

Concen: 13.857 ng/ul

RT: 7.37 min Scan# 746

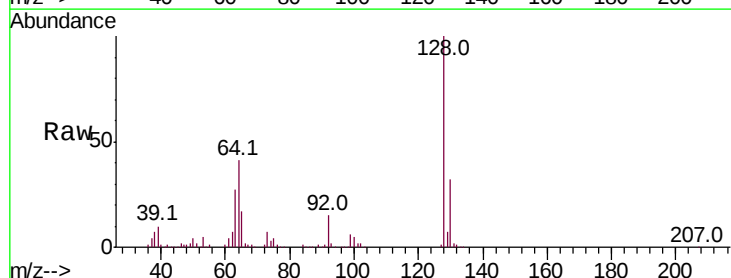
Delta R.T. 0.00 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Tgt Ion:128 Resp: 287566

Ion	Ratio	Lower	Upper
128	100		
64	41.3	34.1	51.1
130	32.5	26.0	39.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E

7.37

250000

200000

150000

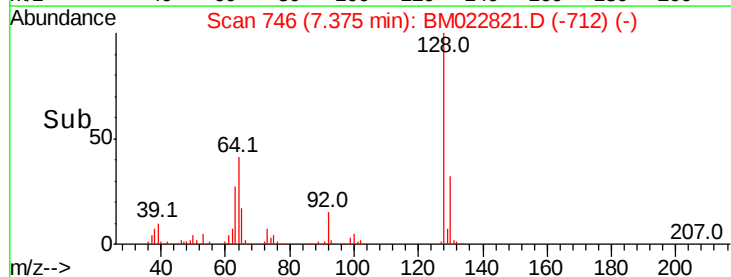
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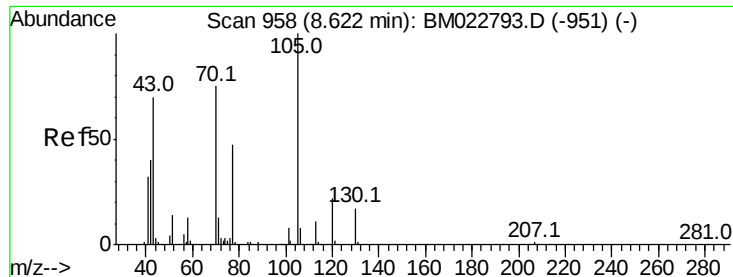
50000

0

Time-->

7.30 7.35 7.40 7.45

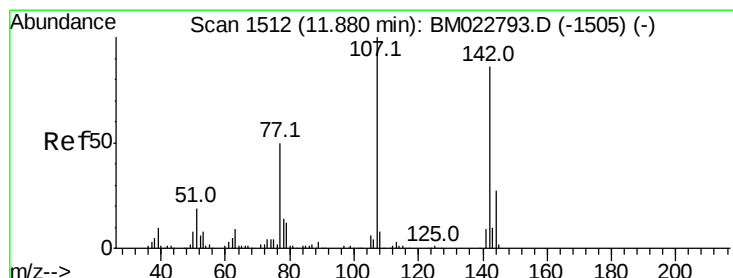
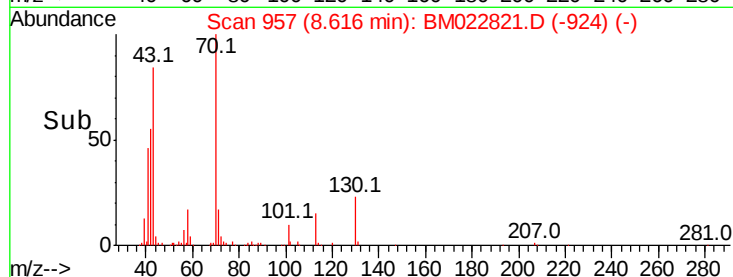
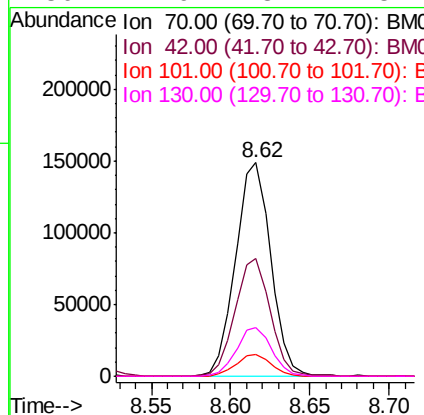
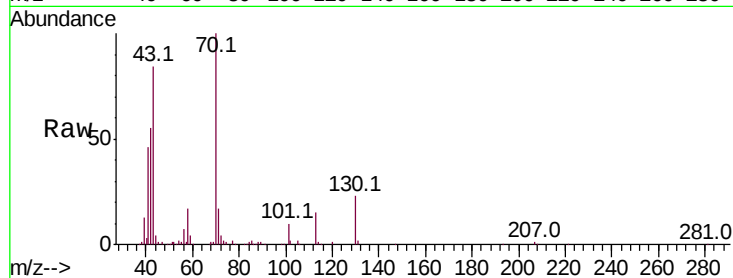




#15
N-Nitroso-di-n-propylamine
Concen: 14.888 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

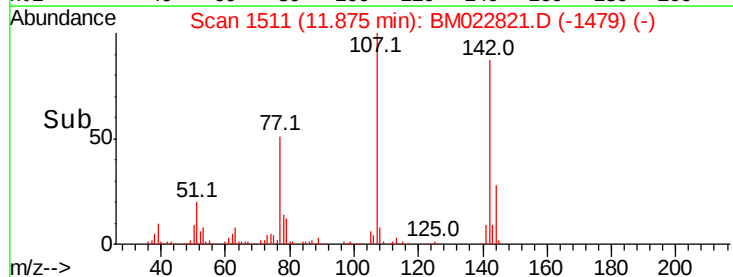
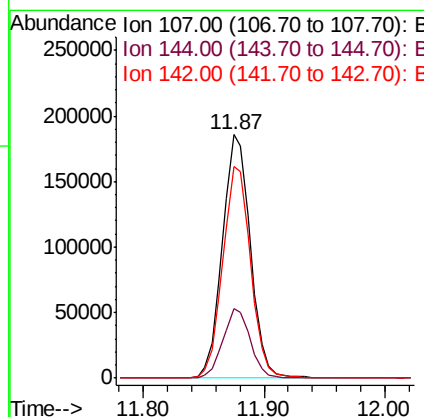
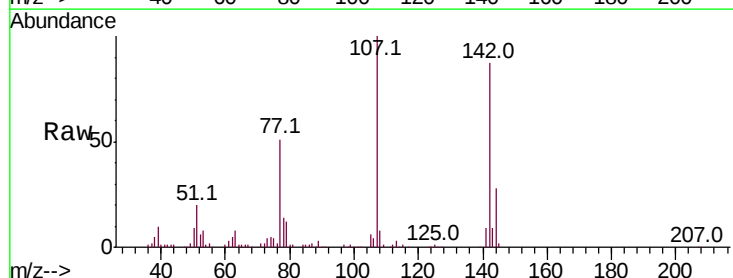
Instrument :
BNA_M
ClientSampleId :

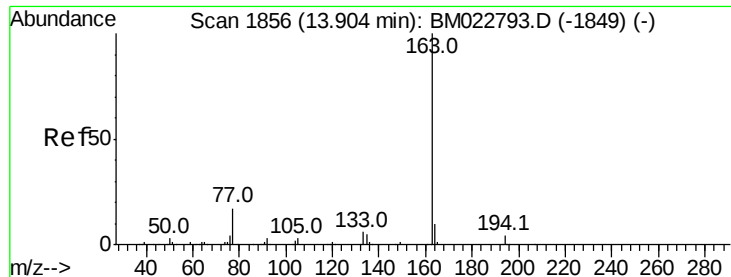
Tot Ion:	70	Resp:	229927
Ion	Ratio	Lower	Upper
70	100		
42	55.1	44.6	66.8
101	10.4	8.2	12.2
130	22.9	18.7	28.1



#33
4-Chloro-3-methylphenol
Concen: 14.224 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

Tgt Ion:	107	Resp:	297716
Ion	Ratio	Lower	Upper
107	100		
144	28.3	22.5	33.7
142	86.9	68.9	103.3

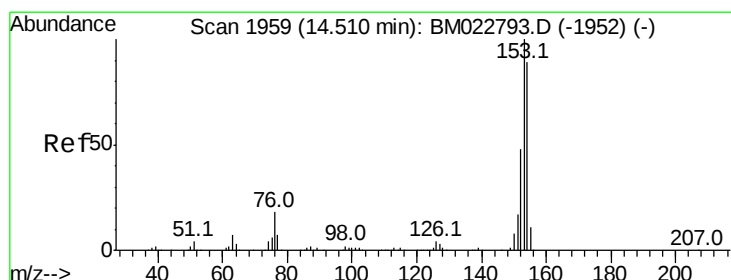
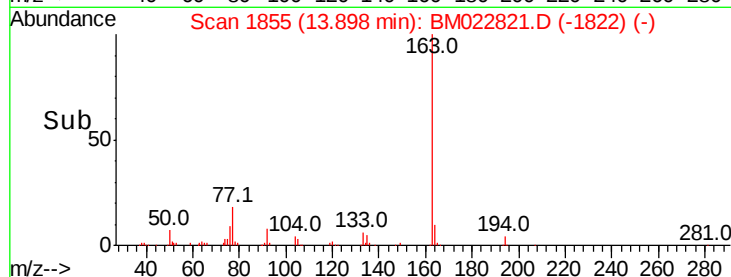
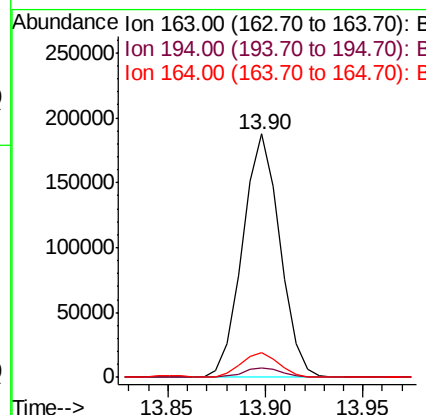
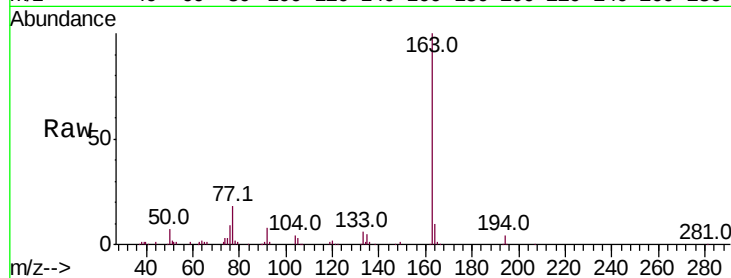




#45
Dimethylphthalate
Concen: 4.071 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

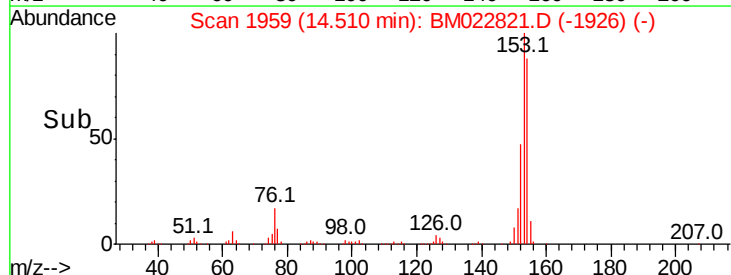
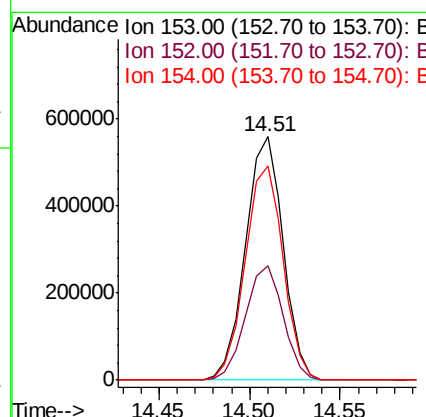
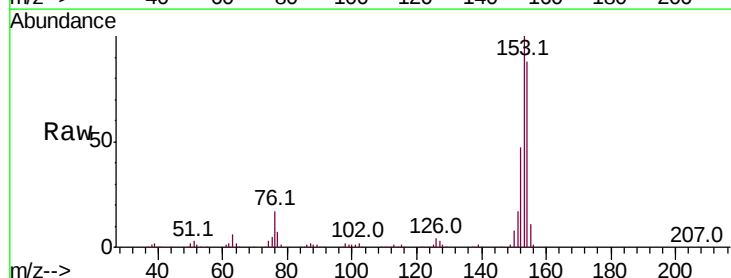
Instrument :
BNA_M
ClientSampled :

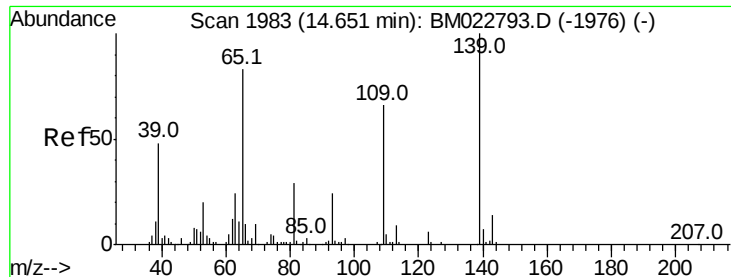
Tot Ion:163 Resp: 248940
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 9.9 8.1 12.1



#50
Acenaphthene
Concen: 15.649 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

Tgt Ion:153 Resp: 808759
Ion Ratio Lower Upper
153 100
152 46.7 38.1 57.1
154 88.1 71.1 106.7





#53

4-Nitrophenol

Concen: 13.267 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Instrument :

BNA_M

ClientSampleId :

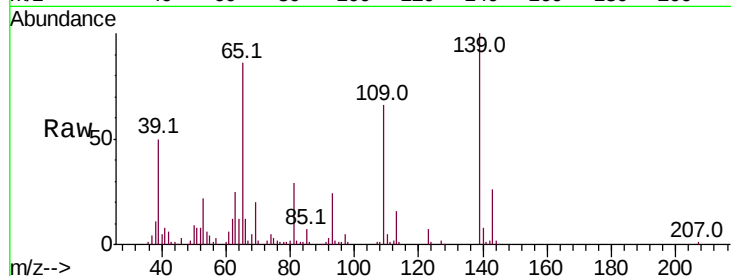
Tot Ion:109 Resp: 114036

Ion Ratio Lower Upper

109 100

139 151.0 119.5 179.3

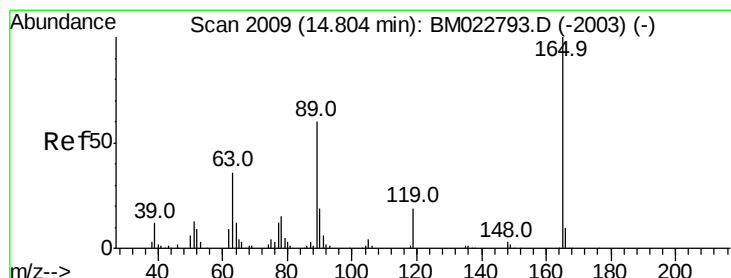
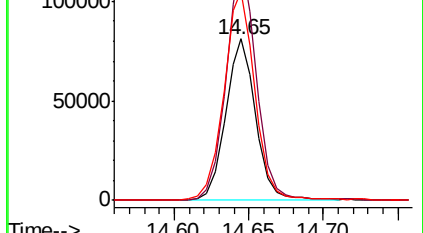
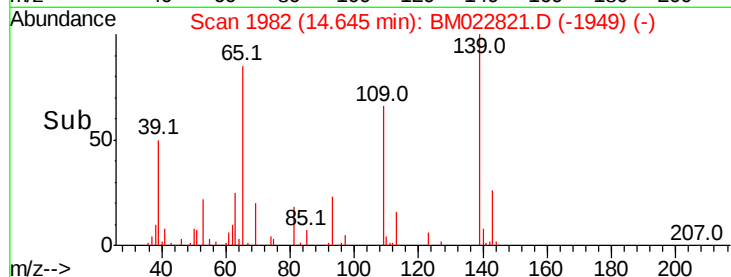
65 130.0 105.0 157.4



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#55

2,4-Dinitrotoluene

Concen: 15.227 ng/ul

RT: 14.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

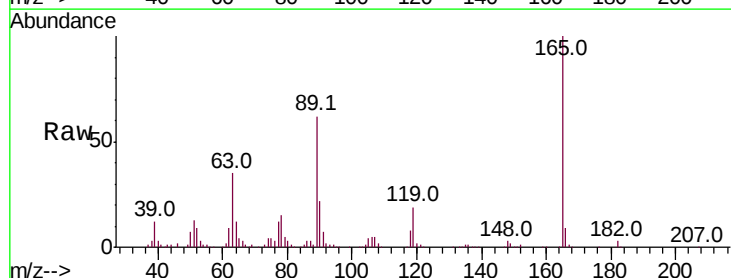
Tgt Ion:165 Resp: 273899

Ion Ratio Lower Upper

165 100

63 35.4 29.8 44.6

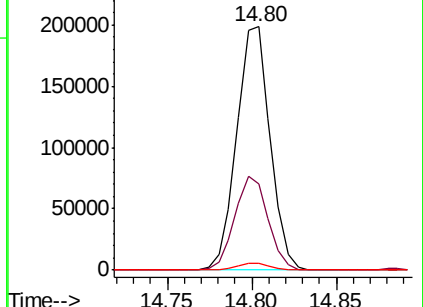
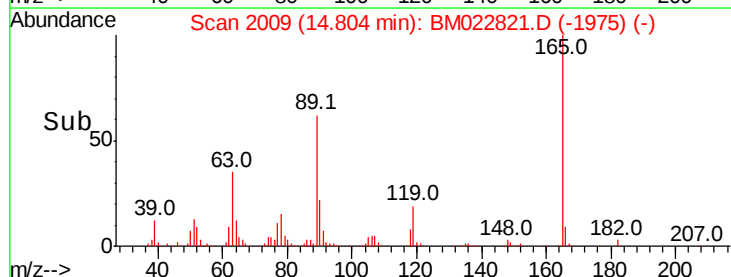
182 2.8 2.2 3.4

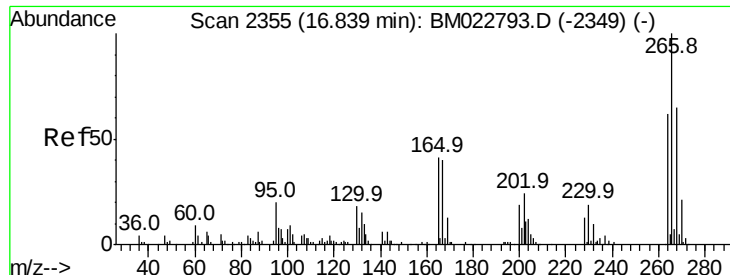


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





#69

Pentachlorophenol

Concen: 12.134 ng/ul

RT: 16.83 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Instrument :

BNA_M

ClientSampleId :

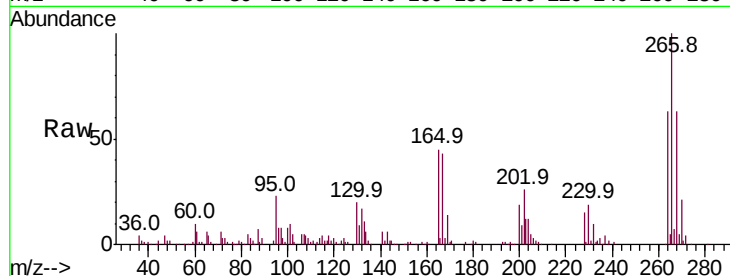
Tot Ion:266 Resp: 170500

Ion Ratio Lower Upper

266 100

264 62.6 50.8 76.2

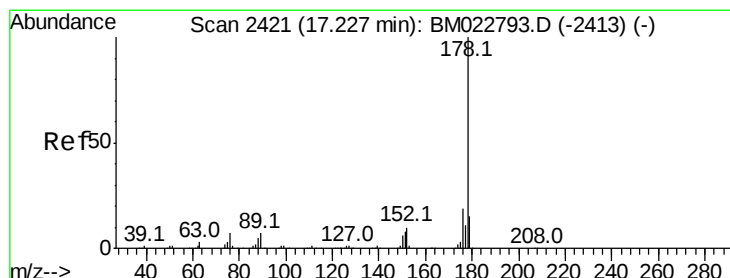
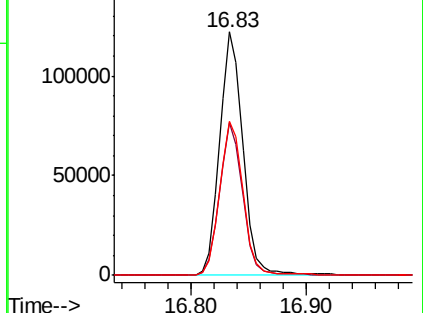
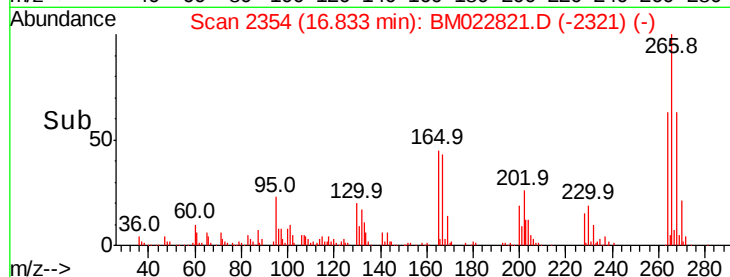
268 63.1 51.4 77.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70

Phenanthrene

Concen: 1.496 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

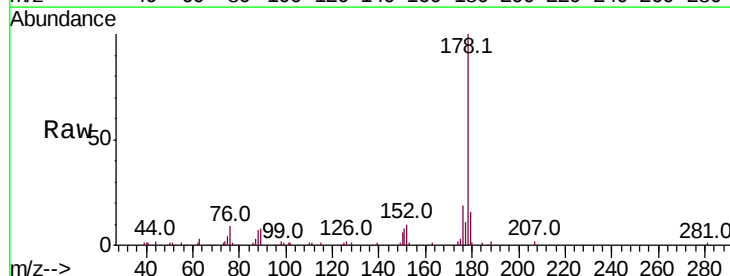
Tgt Ion:178 Resp: 143742

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

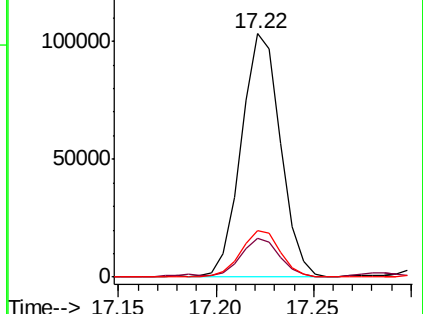
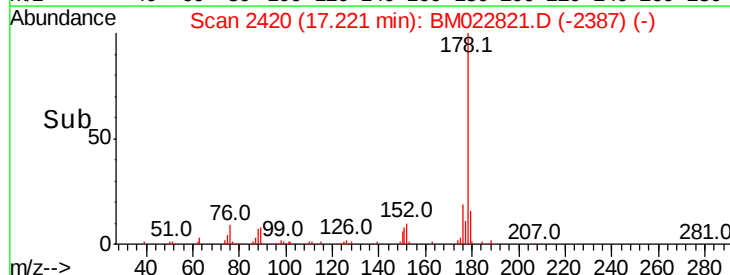
176 19.1 15.3 22.9

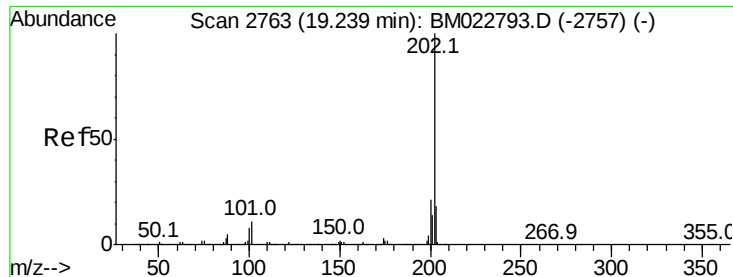


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

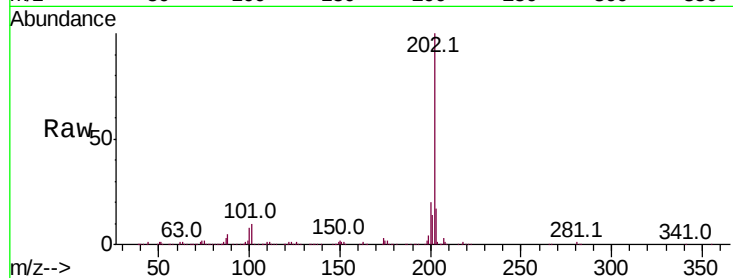




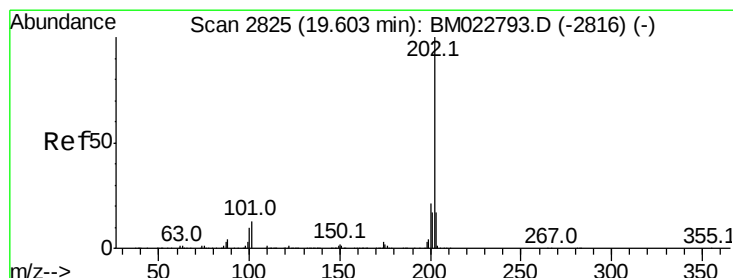
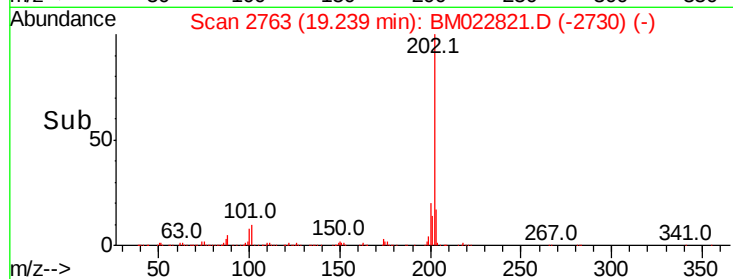
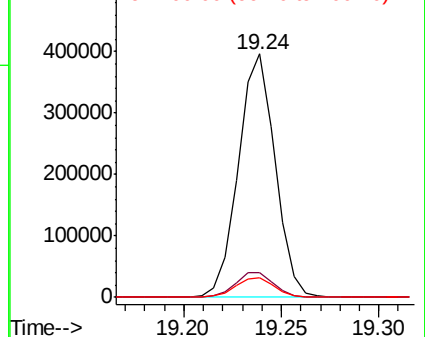
#77
 Fluoranthene
 Concen: 4.781 ng/ul
 RT: 19.24 min Scan# 2763
 Delta R.T. -0.01 min
 Lab File: BM022821.D
 Acq: 30 Sep 2019 12:38

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.6	12.8
100	7.9	6.4	9.6

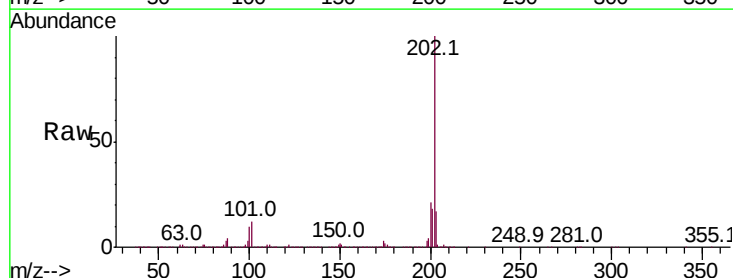


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

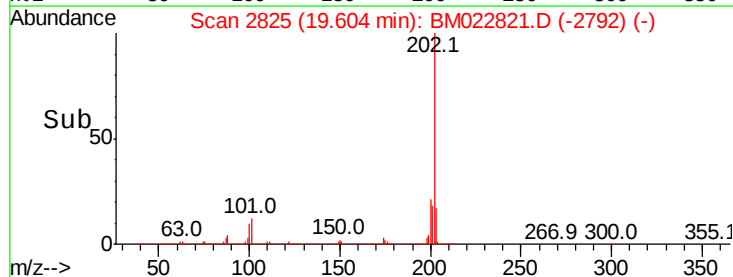
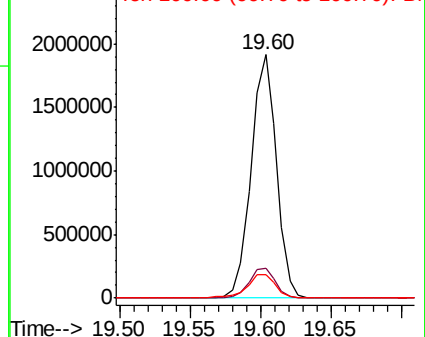


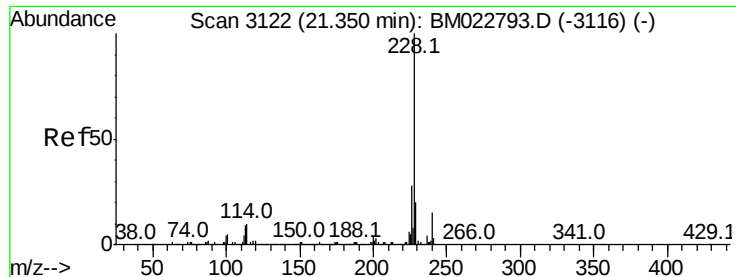
#80
 Pyrene
 Concen: 22.711 ng/ul
 RT: 19.60 min Scan# 2825
 Delta R.T. -0.01 min
 Lab File: BM022821.D
 Acq: 30 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.7	14.5
100	9.8	7.8	11.8



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

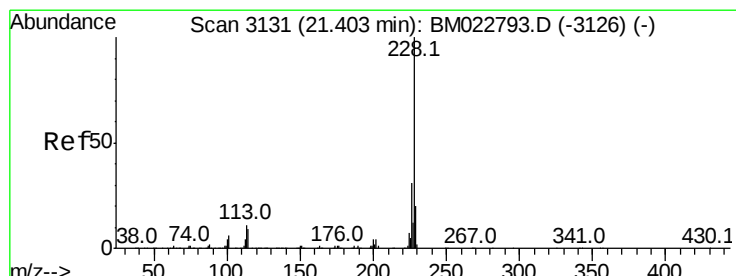
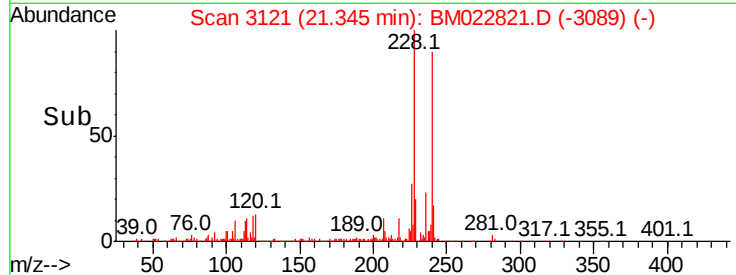
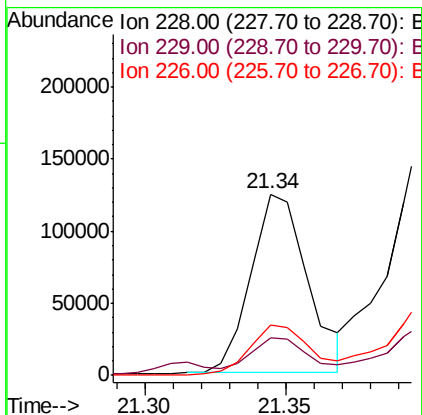
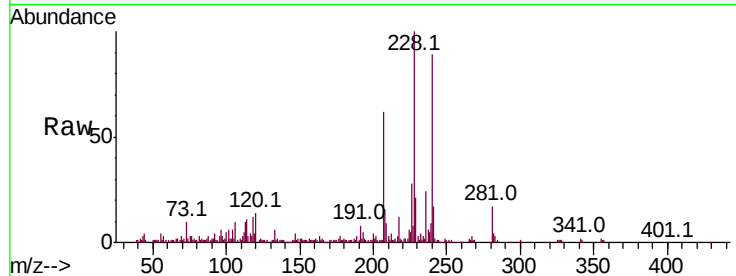




#83
Benzo(a)anthracene
Concen: 1.599 ng/ul
RT: 21.34 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

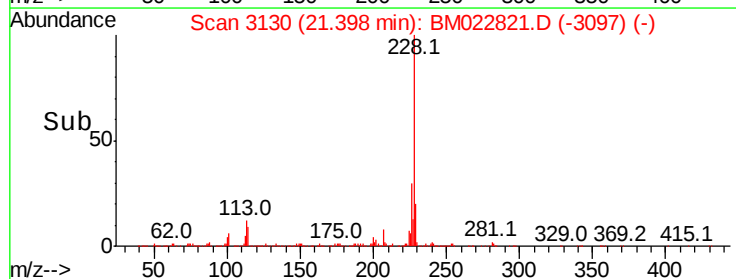
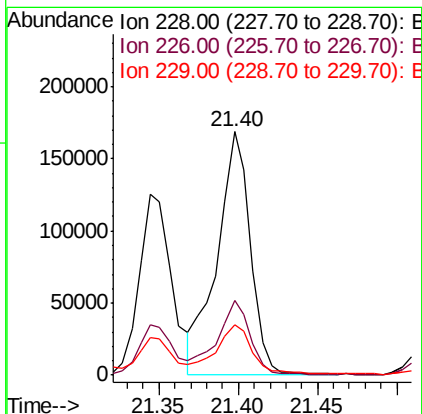
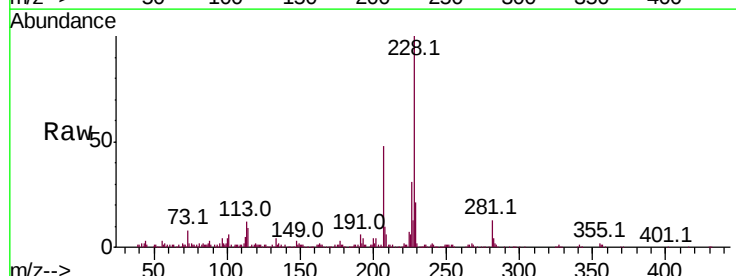
Instrument :
BNA_M
ClientSampleId :

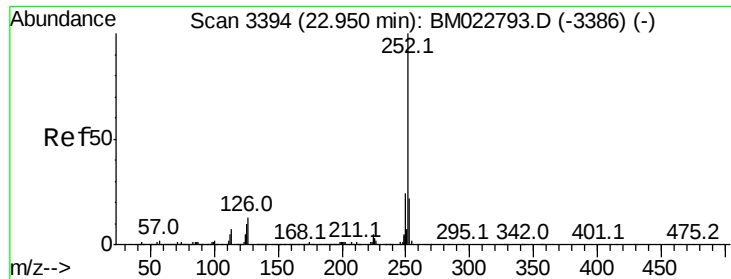
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	27.6	22.4	33.6



#85
Chrysene
Concen: 2.473 ng/ul
RT: 21.40 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM022821.D
Acq: 30 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	20.7	15.9	23.9





#88

Benzo(b)fluoranthene

Concen: 3.768 ng/ul

RT: 22.95 min Scan# 3394

Delta R.T. -0.01 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Instrument :

BNA_M

ClientSampleId :

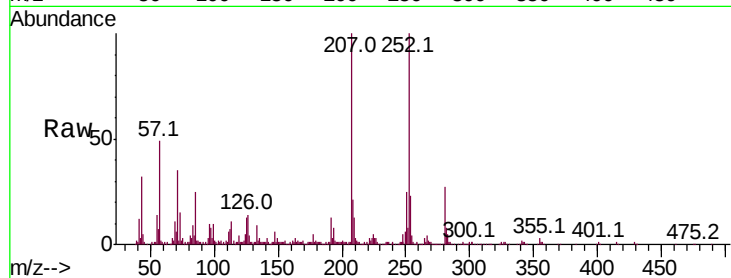
Tot Ion:252 Resp: 332759

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.6 8.2 12.2#

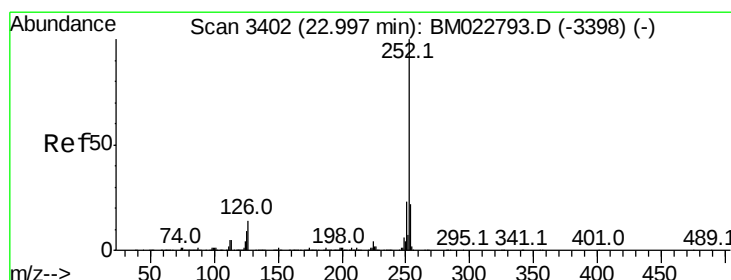
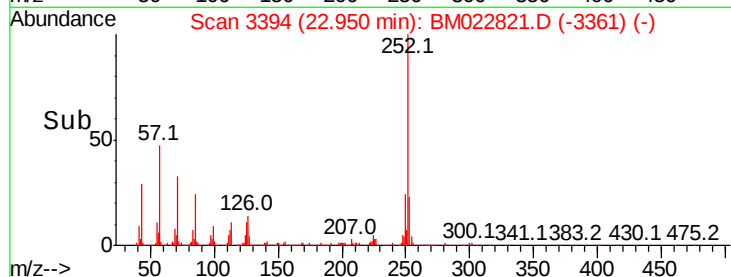
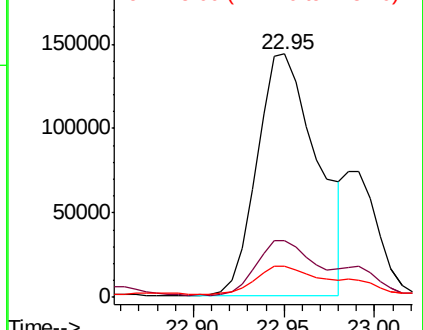


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 3.939 ng/ul

RT: 22.95 min Scan# 3394

Delta R.T. -0.05 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

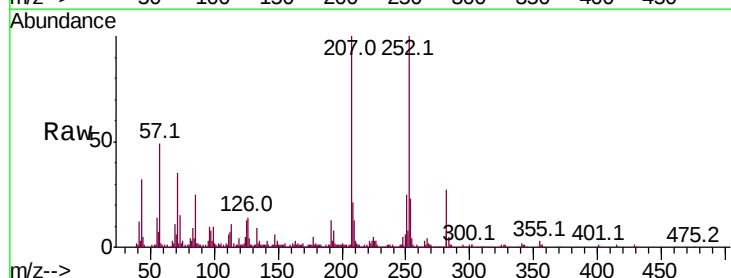
Tgt Ion:252 Resp: 332759

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 12.6 7.9 11.9#

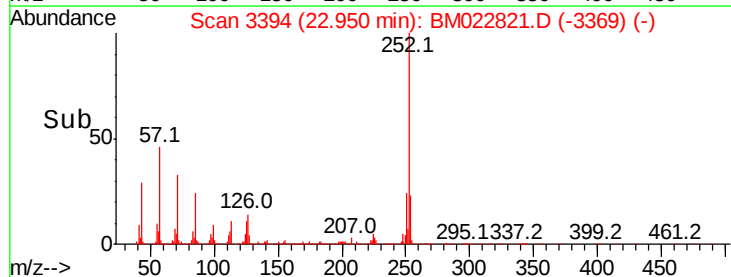
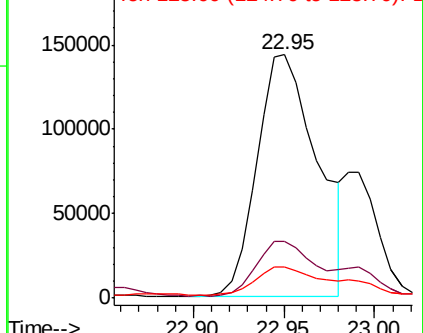


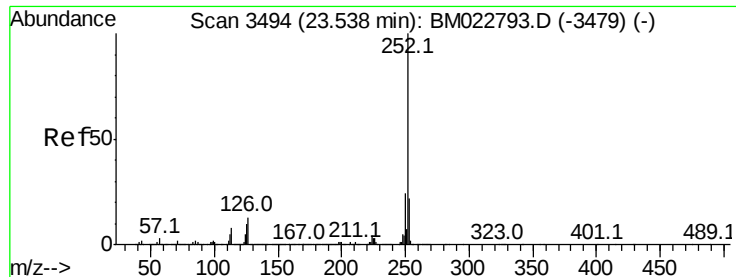
Abundance

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

Benzo(a)pyrene

Concen: 2.177 ng/ul

RT: 23.53 min Scan# 3493

Delta R.T. -0.01 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Instrument :

BNA_M

ClientSampleId :

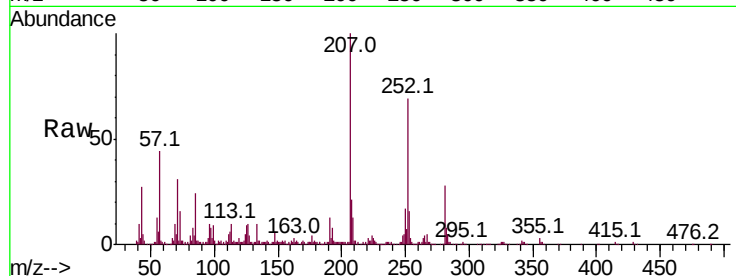
Tot Ion:252 Resp: 180382

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

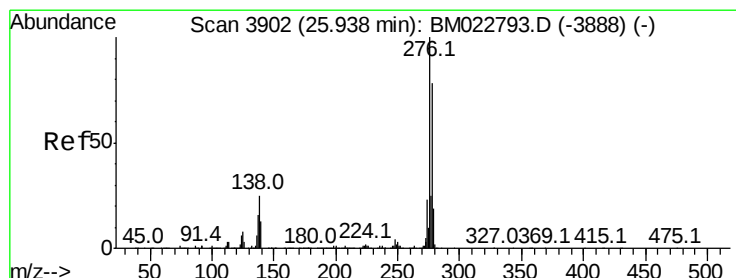
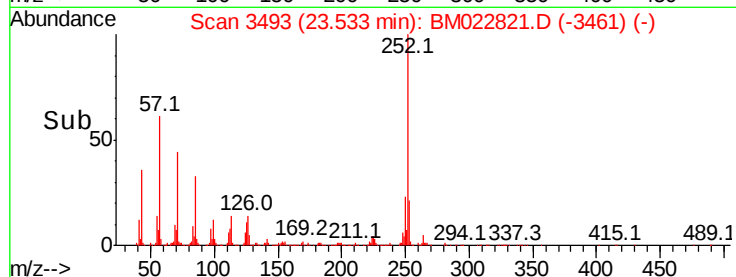
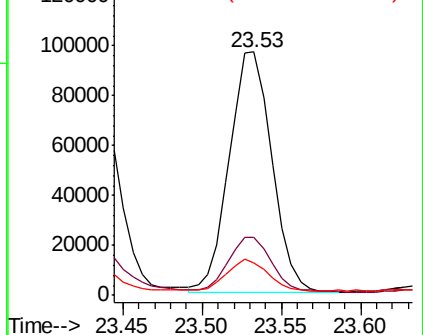
125 13.1 8.7 13.1



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.709 ng/ul

RT: 25.93 min Scan# 3900

Delta R.T. -0.02 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

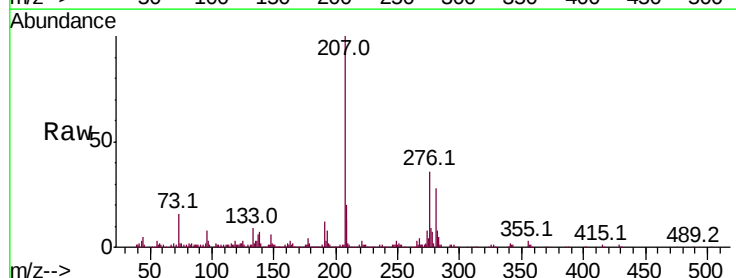
Tgt Ion:276 Resp: 150392

Ion Ratio Lower Upper

276 100

138 20.1 19.8 29.8

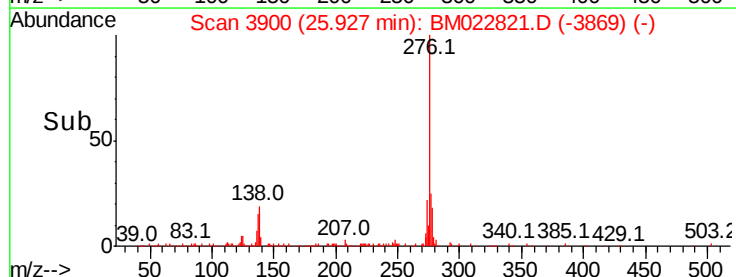
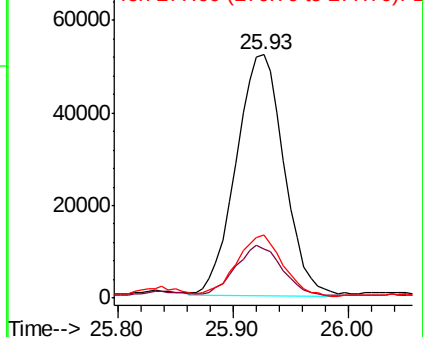
277 26.0 20.3 30.5

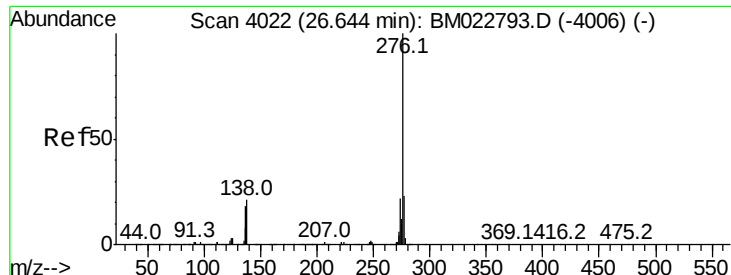


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 2.148 ng/ul

RT: 26.63 min Scan# 4019

Delta R.T. -0.02 min

Lab File: BM022821.D

Acq: 30 Sep 2019 12:38

Instrument :

BNA_M

ClientSampleId :

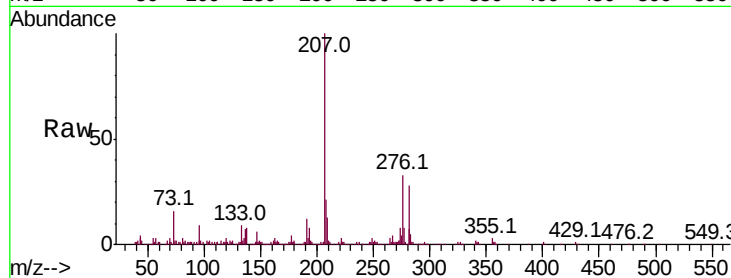
Tot Ion: 276 Resp: 152500

Ion Ratio Lower Upper

276 100

138 22.5 17.6 26.4

277 24.1 19.1 28.7



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

