

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
 Data File : BM024164.D
 Acq On : 18 Dec 2019 22:12
 Operator : JU
 Sample : K6171-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 02:43:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 17 15:54:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	399975	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	1828421	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	1143963	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	2376648	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	1906640	20.00	ng/ul	0.00
86) Perylene-d12	23.21	264	1897793	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.00	96	38696	4.27	ng/uL	0.00
5) Phenol-d5	6.65	99	879711	23.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	558974	24.61	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	682958	25.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	594275	19.20	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	332855	25.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	377994	26.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	693198	24.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	434066	12.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	2151657	25.44	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	2708438	26.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	189070	12.45	ng/ul	0.00
58) Fluorene-d10	15.11	176	1981943	26.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	162529	11.21	ng/ul	0.00
71) Anthracene-d10	16.96	188	2930356	27.10	ng/ul	0.00
79) Pyrene-d10	19.27	212	3116932	34.32	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	2608559	27.67	ng/ul	0.00

Target Compounds

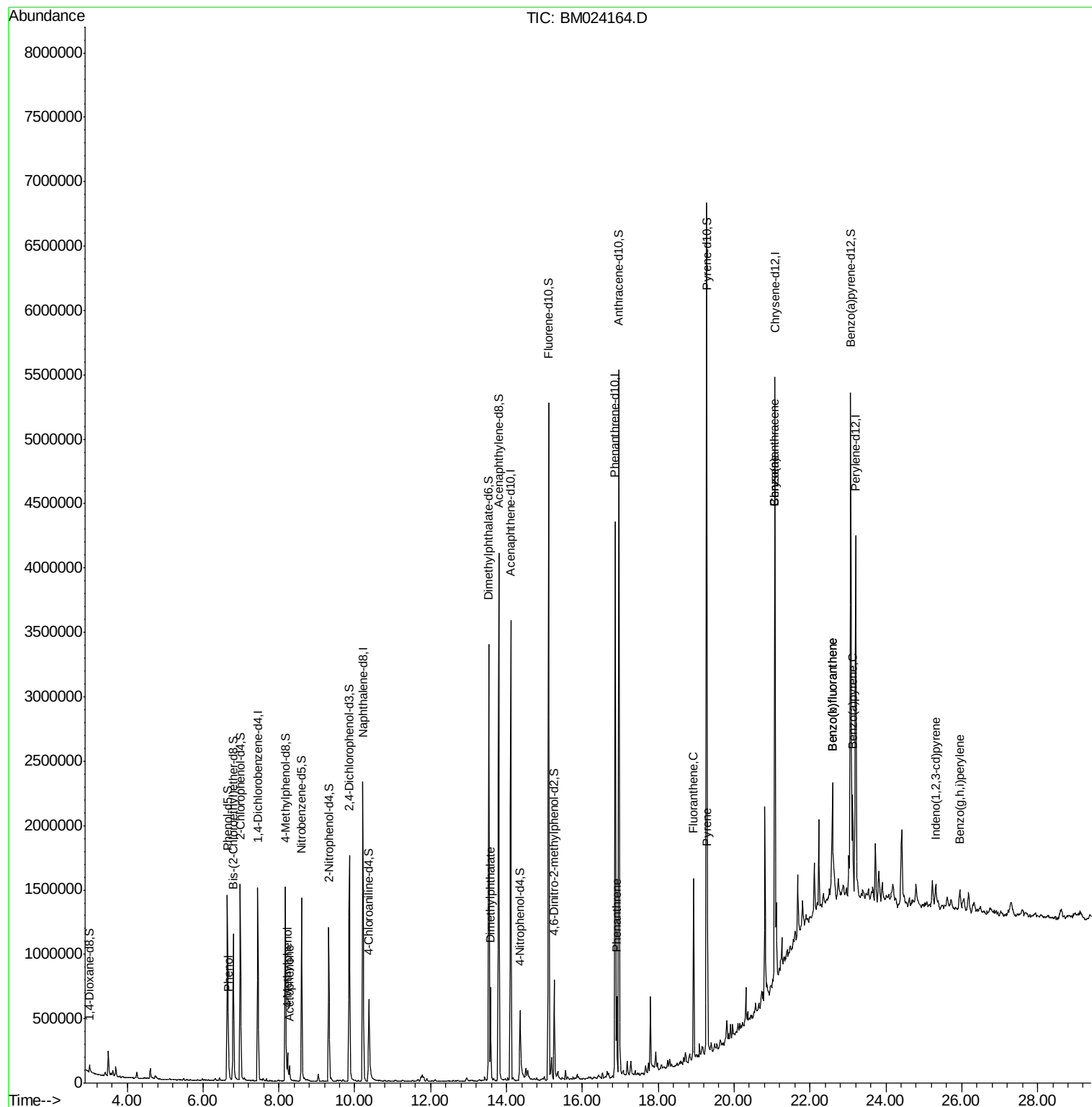
					Ovalue	
6) Phenol	6.67	94	65387	1.672	ng/ul#	89
14) Acetophenone	8.28	105	59579	1.276	ng/ul	97
16) 4-Methylphenol	8.23	108	77488	2.400	ng/ul	86
45) Dimethylphthalate	13.58	163	446026	5.073	ng/ul	99
70) Phenanthrene	16.90	178	338329	2.543	ng/ul	99
77) Fluoranthene	18.93	202	808443	5.575	ng/ul	100
80) Pyrene	19.30	202	662148	5.320	ng/ul	100
83) Benzo(a)anthracene	21.06	228	277654	2.286	ng/ul	97
85) Chrysene	21.06	228	284081	2.386	ng/ul	97
88) Benzo(b)fluoranthene	22.58	252	399012	3.514	ng/ul#	93
89) Benzo(k)fluoranthene	22.58	252	399012	3.581	ng/ul#	94
91) Benzo(a)pyrene	23.11	252	252899	2.462	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.31	276	173893	1.410	ng/ul	96
94) Benzo(g,h,i)perylene	25.96	276	191433	1.901	ng/ul	95

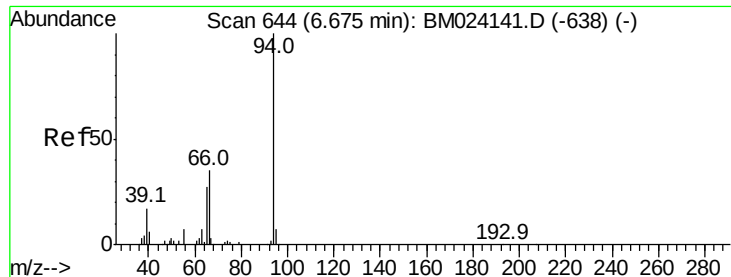
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 17 15:54:50 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.672 ng/ul

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

Instrument :

BNA_M

ClientSampled :

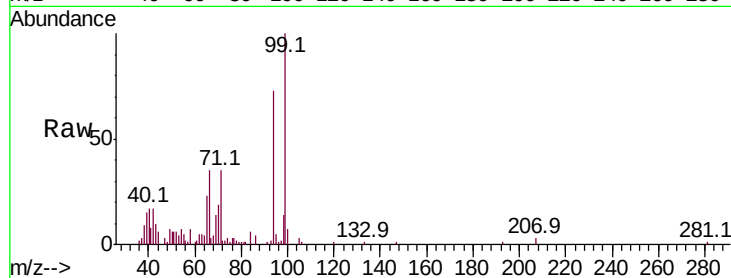
Tot Ion: 94 Resp: 65387

Ion Ratio Lower Upper

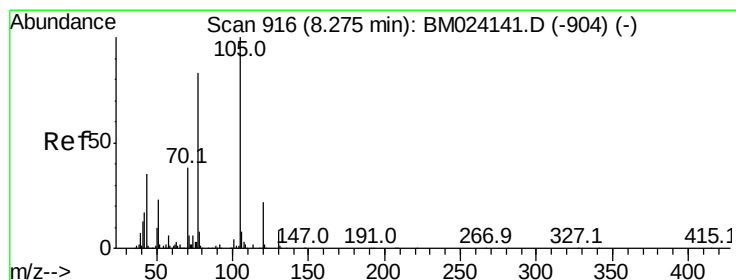
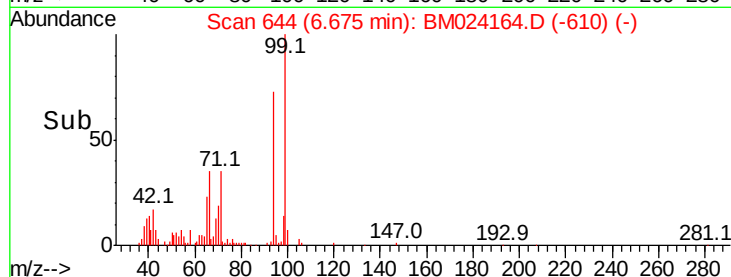
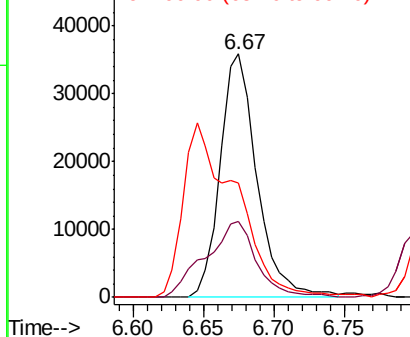
94 100

65 31.1 22.6 33.8

66 47.2 30.7 46.1#



Abundance Ion 94.00 (93.70 to 94.70): BMD
Ion 65.00 (64.70 to 65.70): BMD
Ion 66.00 (65.70 to 66.70): BMD



#14

Acetophenone

Concen: 1.276 ng/ul

RT: 8.28 min Scan# 917

Delta R.T. -0.00 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

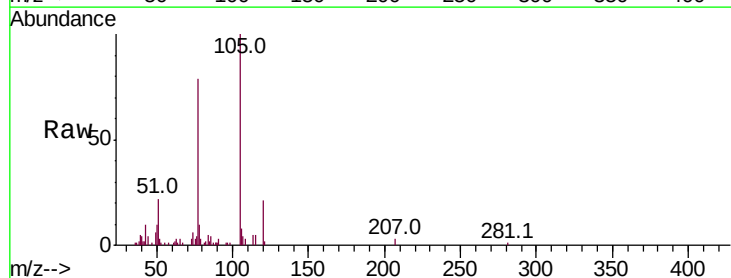
Tgt Ion: 105 Resp: 59579

Ion Ratio Lower Upper

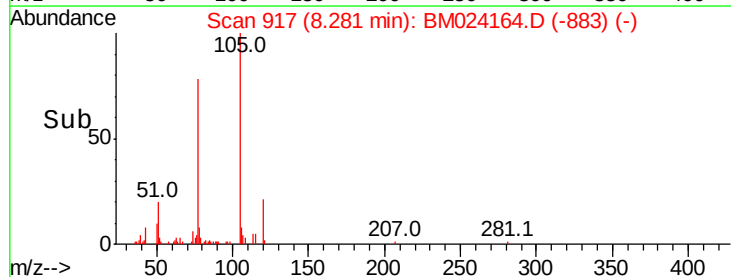
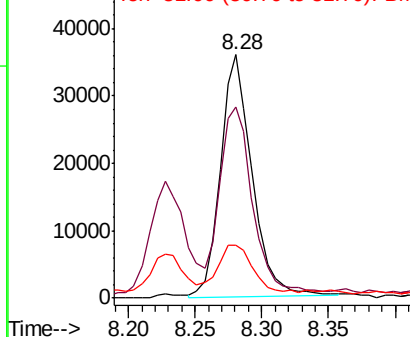
105 100

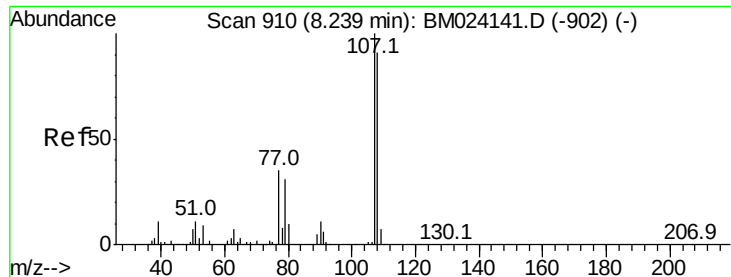
77 78.7 65.6 98.4

51 21.9 18.3 27.5



Abundance Ion 105.00 (104.70 to 105.70): BMD
Ion 77.00 (76.70 to 77.70): BMD
Ion 51.00 (50.70 to 51.70): BMD

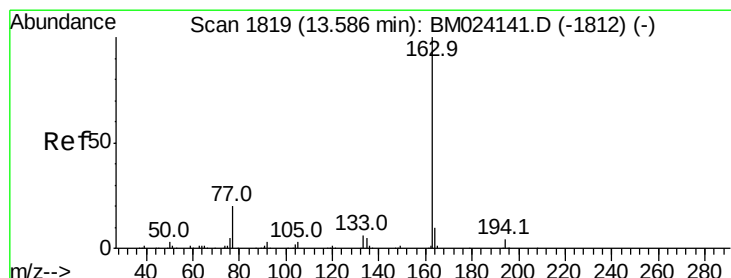
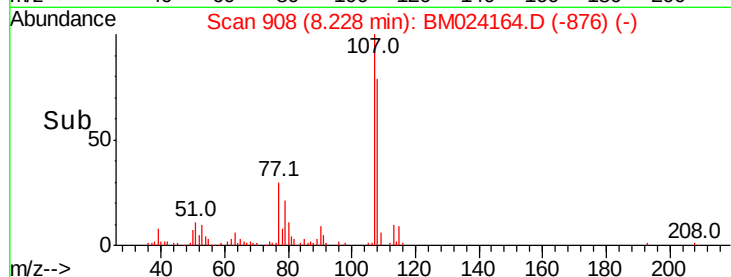
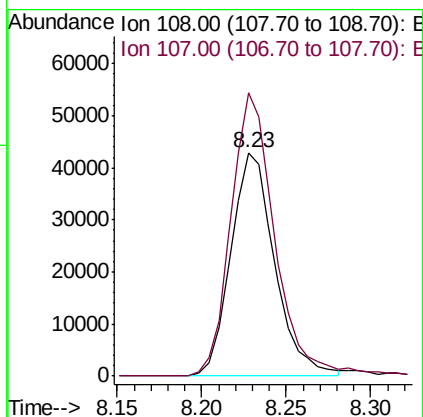
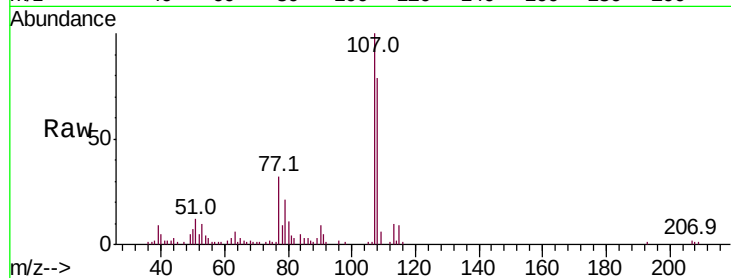




#16
4-Methylphenol
Concen: 2.400 ng/ul
RT: 8.23 min Scan# 908
Delta R.T. -0.01 min
Lab File: BM024164.D
Acq: 18 Dec 2019 22:12

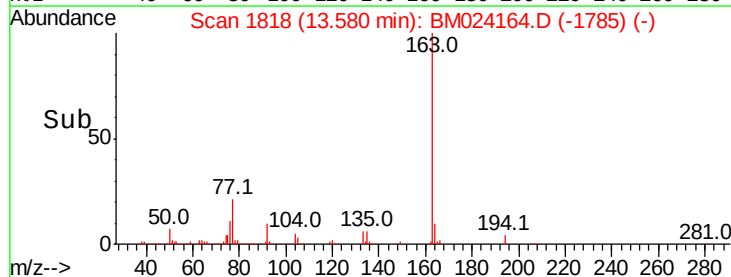
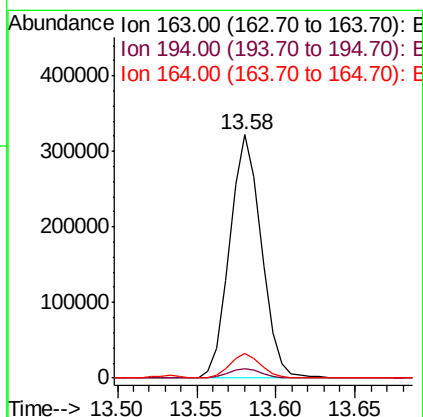
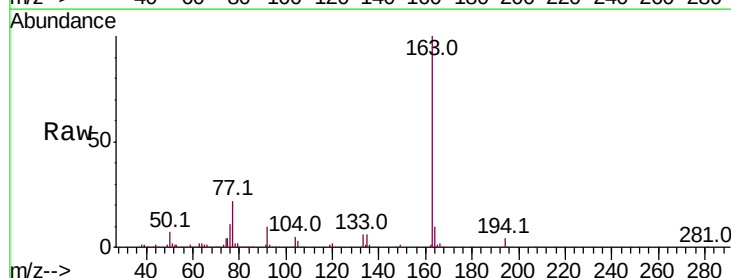
Instrument :
BNA_M
ClientSampleId :

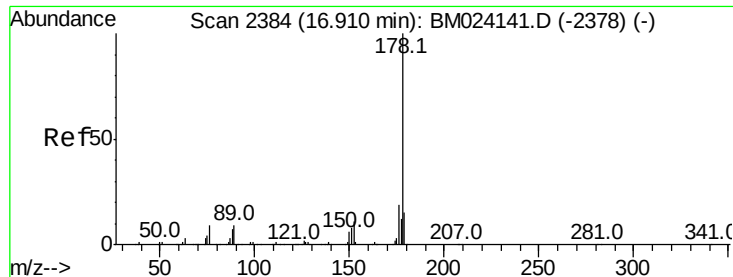
Tot Ion:108 Resp: 77488
Ion Ratio Lower Upper
108 100
107 126.8 89.1 133.7



#45
Dimethylphthalate
Concen: 5.073 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM024164.D
Acq: 18 Dec 2019 22:12

Tgt Ion:163 Resp: 446026
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.1 7.8 11.6





#70

Phenanthrene

Concen: 2.543 ng/ul

RT: 16.90 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

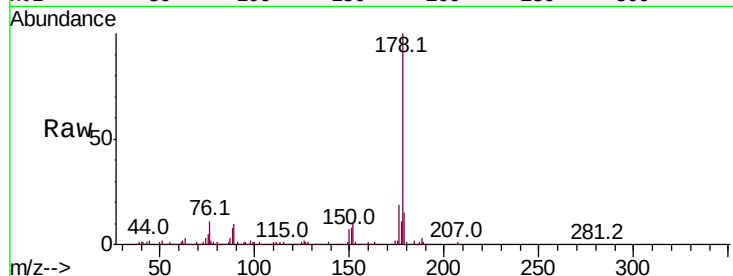
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 338329

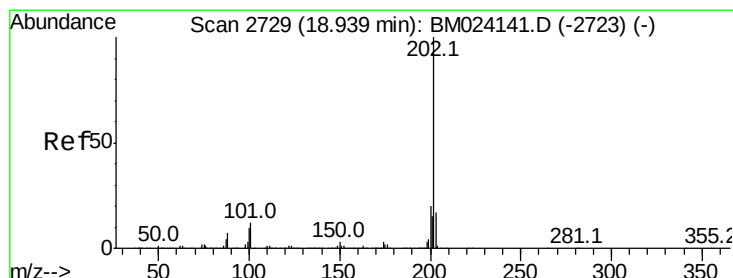
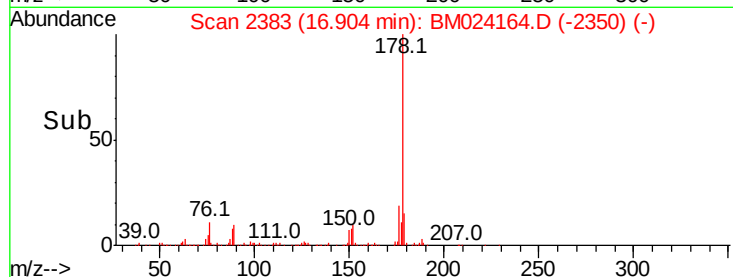
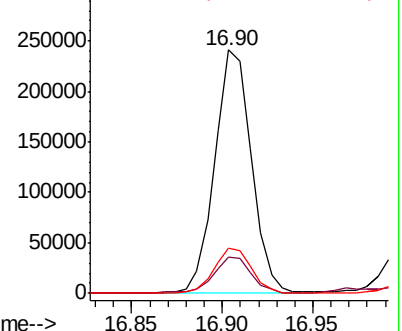
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	18.8	15.1	22.7



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: 5.575 ng/ul

RT: 18.93 min Scan# 2728

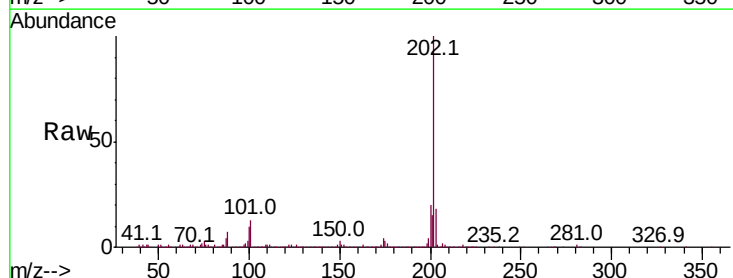
Delta R.T. -0.01 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

Tgt Ion:202 Resp: 808443

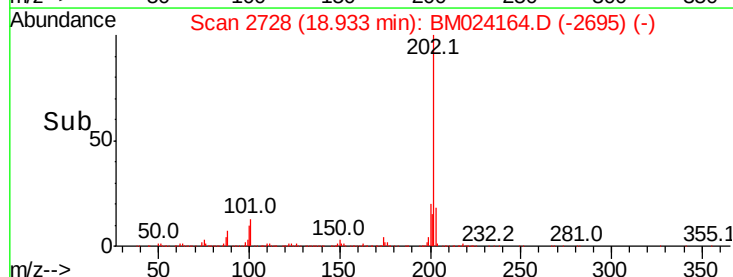
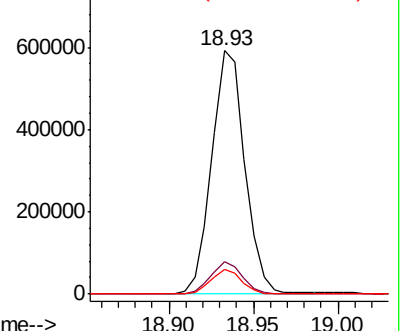
Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
100	10.1	8.1	12.1

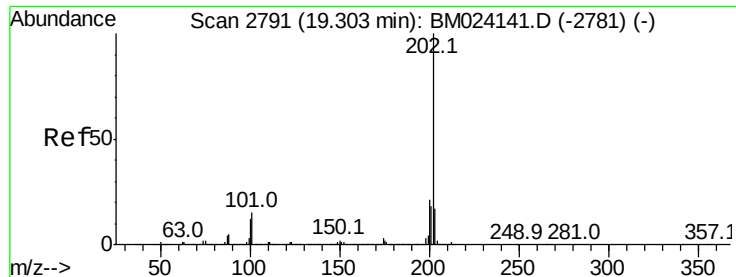


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

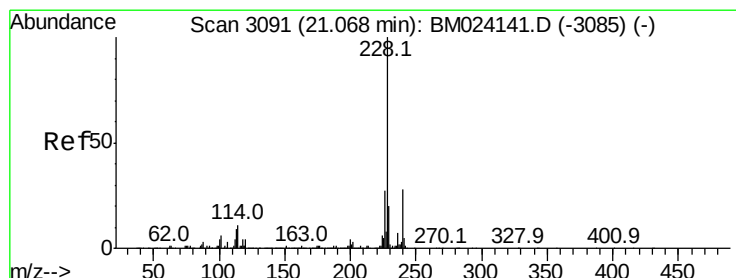
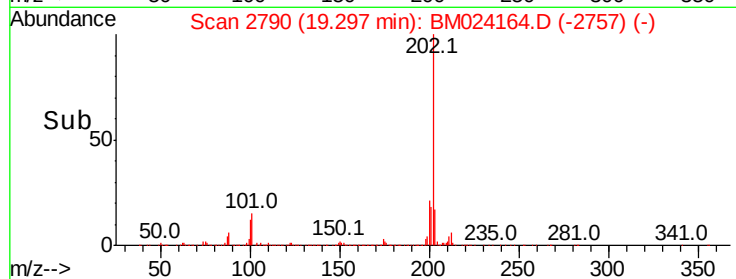
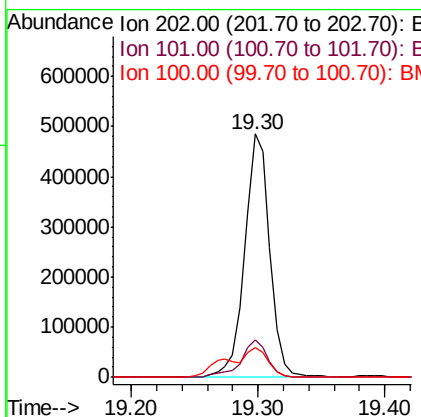
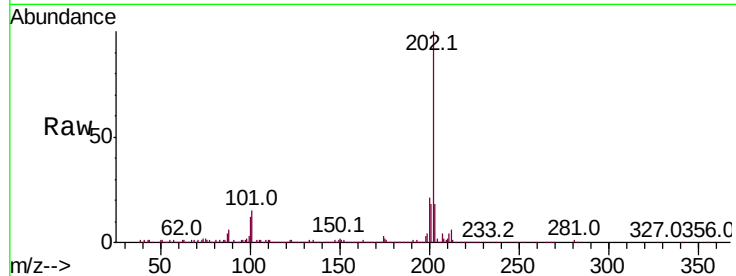




#80
 Pvrene
 Concen: 5.320 ng/ul
 RT: 19.30 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: BM024164.D
 Acq: 18 Dec 2019 22:12

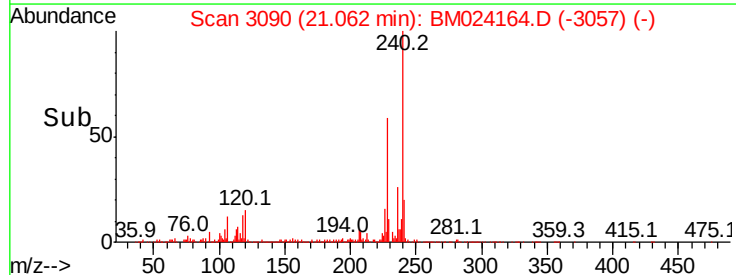
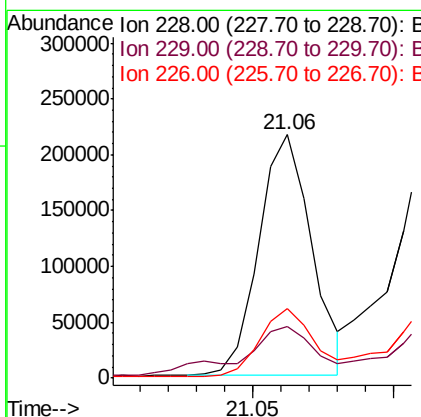
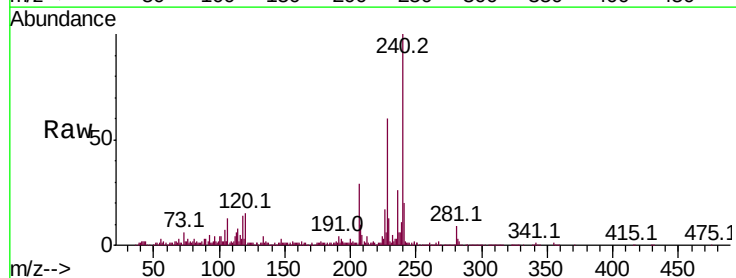
Instrument :
 BNA_M
 ClientSampleId :

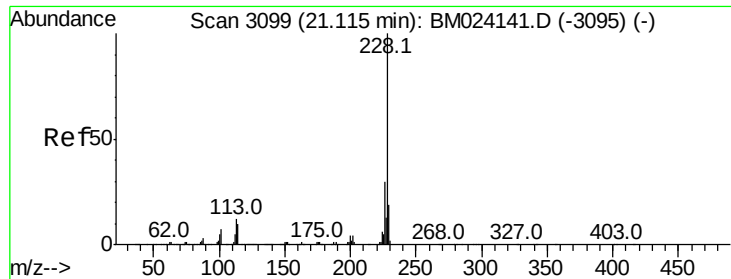
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.2	18.4
100	12.4	10.0	15.0



#83
 Benzo(a)anthracene
 Concen: 2.286 ng/ul
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM024164.D
 Acq: 18 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	28.8	22.2	33.2





#85

Chrysene

Concen: 2.386 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.06 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

Instrument :

BNA_M

ClientSampled :

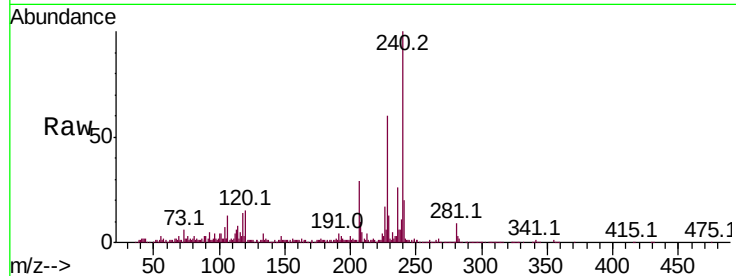
Tot Ion:228 Resp: 284081

Ion Ratio Lower Upper

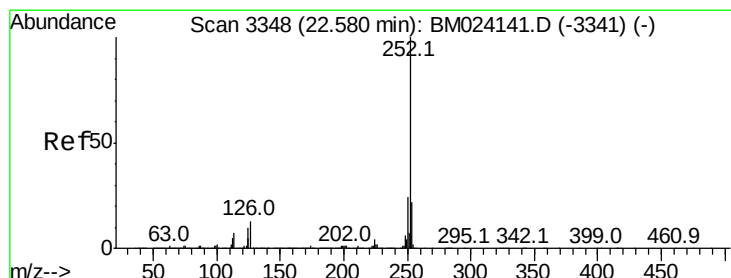
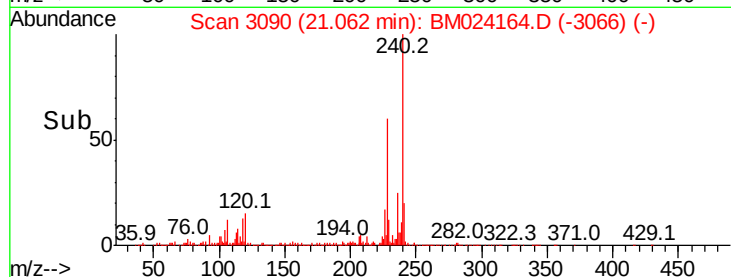
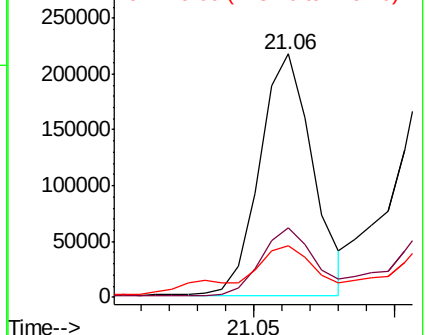
228 100

226 28.8 24.0 36.0

229 21.4 15.4 23.2



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



#88

Benzo(b)fluoranthene

Concen: 3.514 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

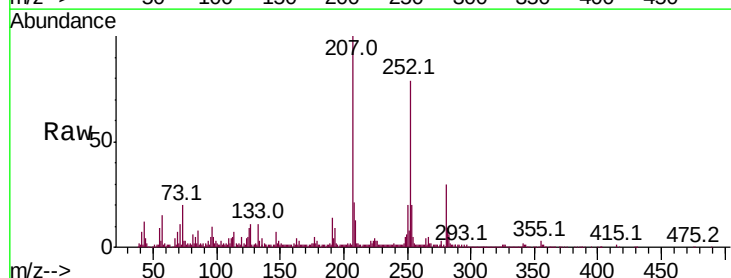
Tgt Ion:252 Resp: 399012

Ion Ratio Lower Upper

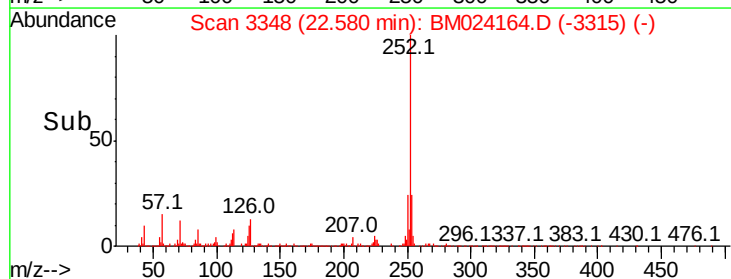
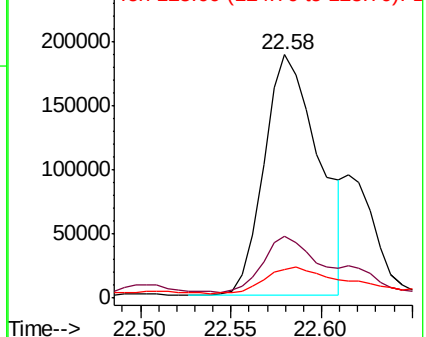
252 100

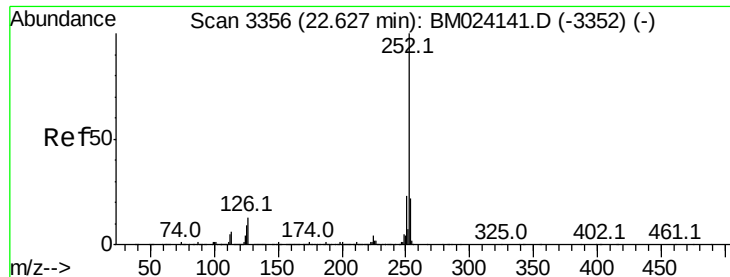
253 25.2 17.2 25.8

125 11.9 7.8 11.8#



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: 3.581 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.05 min

Lab File: BM024164.D

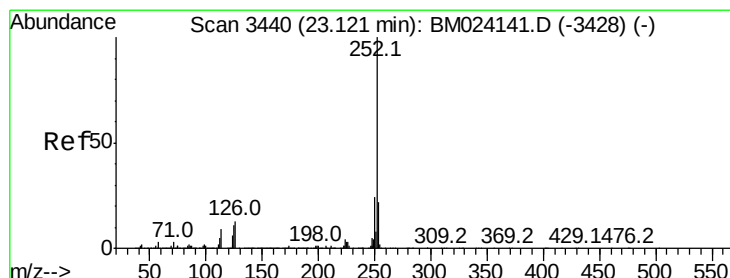
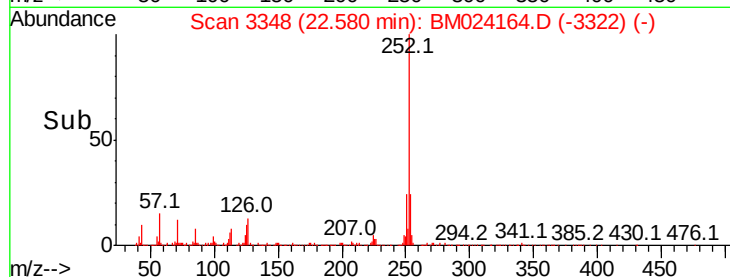
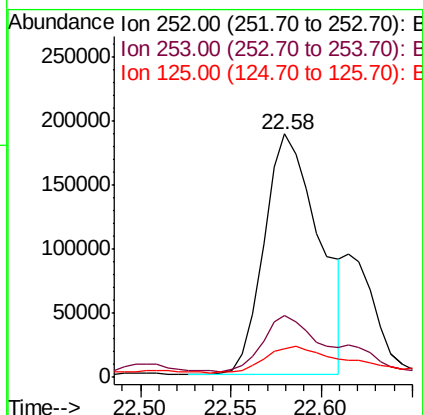
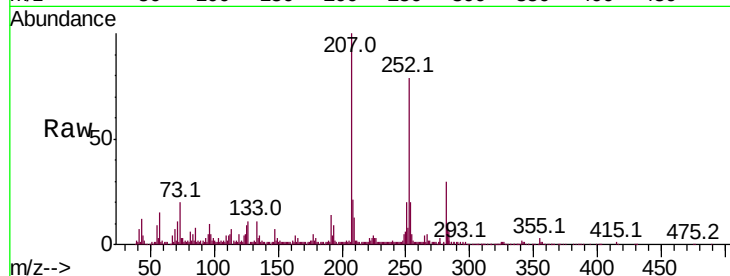
Acq: 18 Dec 2019 22:12

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	399012
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.8 26.8
125	11.9	7.9 11.9#



#91

Benzo(a)pyrene

Concen: 2.462 ng/ul

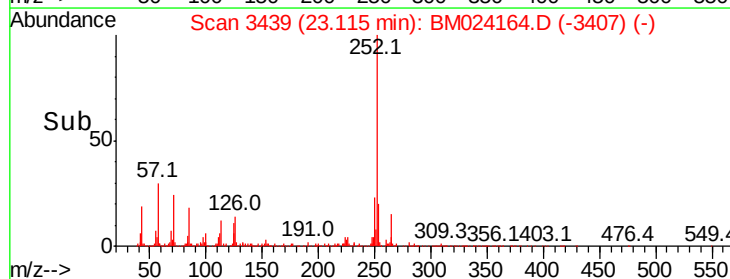
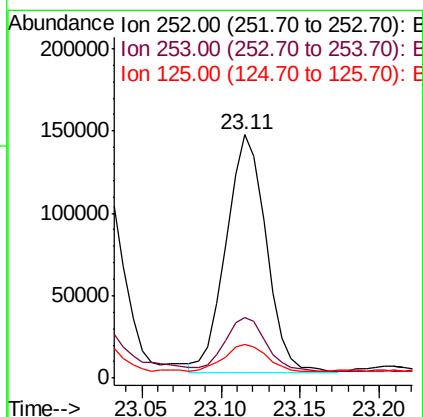
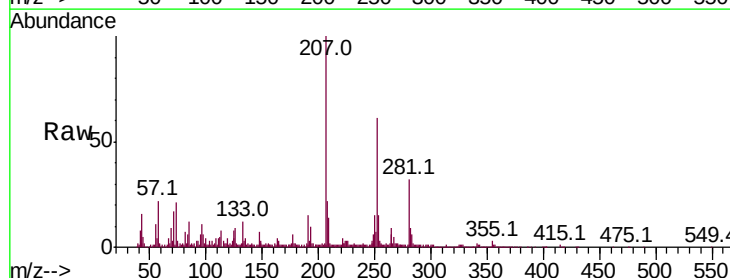
RT: 23.11 min Scan# 3439

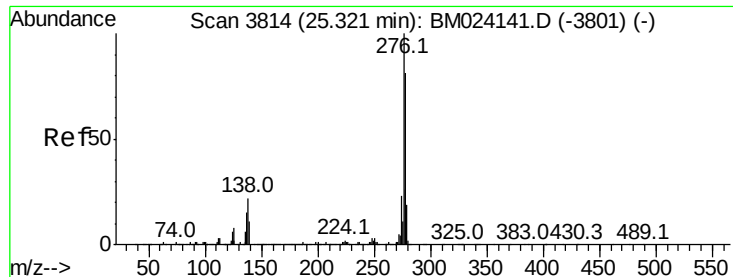
Delta R.T. -0.01 min

Lab File: BM024164.D

Acq: 18 Dec 2019 22:12

Tgt Ion:252	Resp:	252899
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.5 26.3
125	13.8	8.2 12.4#



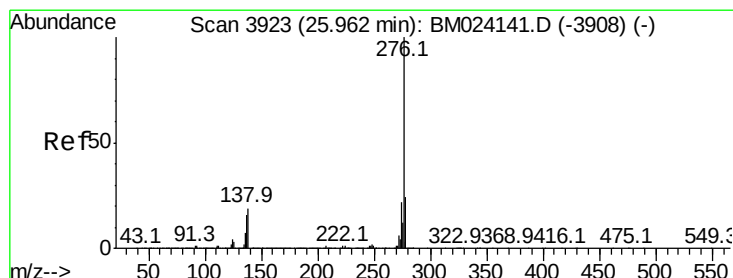
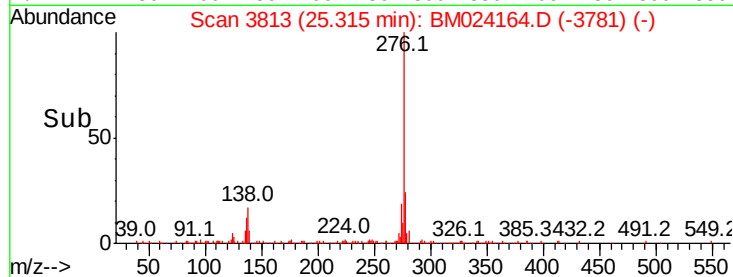
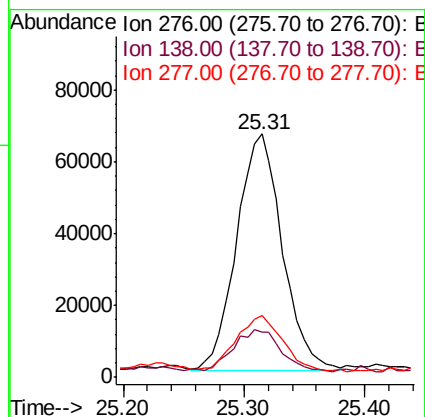
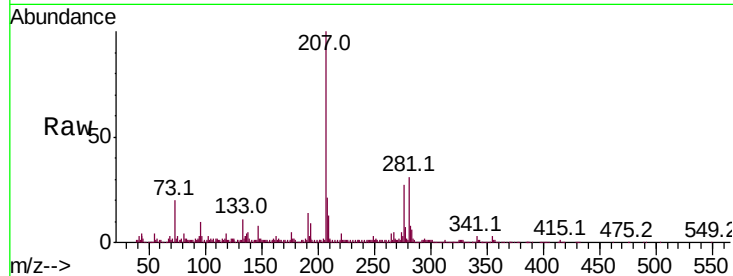


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.410 ng/ul
RT: 25.31 min Scan# 3813
Delta R.T. -0.01 min
Lab File: BM024164.D
Acq: 18 Dec 2019 22:12

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	18.3	27.5
277	25.2	20.2	30.2



#94

Benzo(g,h,i)perylene
Concen: 1.901 ng/ul
RT: 25.96 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM024164.D
Acq: 18 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.3	22.9
277	27.2	19.3	28.9

