

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102419\
 Data File : BM023387.D
 Acq On : 24 Oct 2019 19:53
 Operator : JU
 Sample : K5346-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 24 22:49:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	596945	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	2164284	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1209104	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2322948	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2342675	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2966036	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	64103	5.10	ng/uL	0.00
5) Phenol-d5	6.83	99	1130626	22.55	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.98	67	778196	26.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	1057600	26.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	913961	22.44	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	524422	32.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	567199	31.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	977826	27.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	427350	10.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	3071141	33.45	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	3604381	34.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	289664	18.21	ng/ul	0.01
58) Fluorene-d10	15.29	176	2595660	33.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	100289	6.93	ng/ul	0.01
71) Anthracene-d10	17.14	188	3835675	34.94	ng/ul	0.00
79) Pyrene-d10	19.44	212	3997366	31.03	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.30	264	5088650	33.68	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.85	94	1671025	32.367	ng/ul	98
10) 2-Chlorophenol	7.21	128	1233094	30.031	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	897809	24.981	ng/ul	98
32) Caprolactam	11.42	113	15196	1.413	ng/ul	91
33) 4-Chloro-3-methylphenol	11.72	107	1161497	30.062	ng/ul	98
45) Dimethylphthalate	13.75	163	1358960	14.741	ng/ul	99
50) Acenaphthene	14.36	153	2681430	34.960	ng/ul	99
53) 4-Nitrophenol	14.52	109	379471	29.964	ng/ul	93
55) 2,4-Dinitrotoluene	14.67	165	861475	32.540	ng/ul	94
69) Pentachlorophenol	16.70	266	423971	21.030	ng/ul	99
70) Phenanthrene	17.08	178	150948	1.163	ng/ul	98
77) Fluoranthene	19.10	202	548729	4.052	ng/ul	98
80) Pyrene	19.47	202	6066452	36.672	ng/ul	97
81) Butylbenzylphthalate	20.38	149	518735	7.659	ng/ul	98
83) Benzo(a)anthracene	21.22	228	364020	2.323	ng/ul#	85
85) Chrysene	21.27	228	536120	3.708	ng/ul#	89
88) Benzo(b)fluoranthene	22.79	252	864601	4.539	ng/ul#	75
89) Benzo(k)fluoranthene	22.79	252	864601	4.833	ng/ul#	75
91) Benzo(a)pyrene	23.34	252	473930	2.748	ng/ul#	74
92) Indeno(1,2,3-cd)pyrene	25.67	276	386630	2.070	ng/ul#	80
94) Benzo(a,h,i)perylene	26.34	276	460035	3.028	ng/ul#	78

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QLast Update : Wed Oct 23 18:47:16 2019
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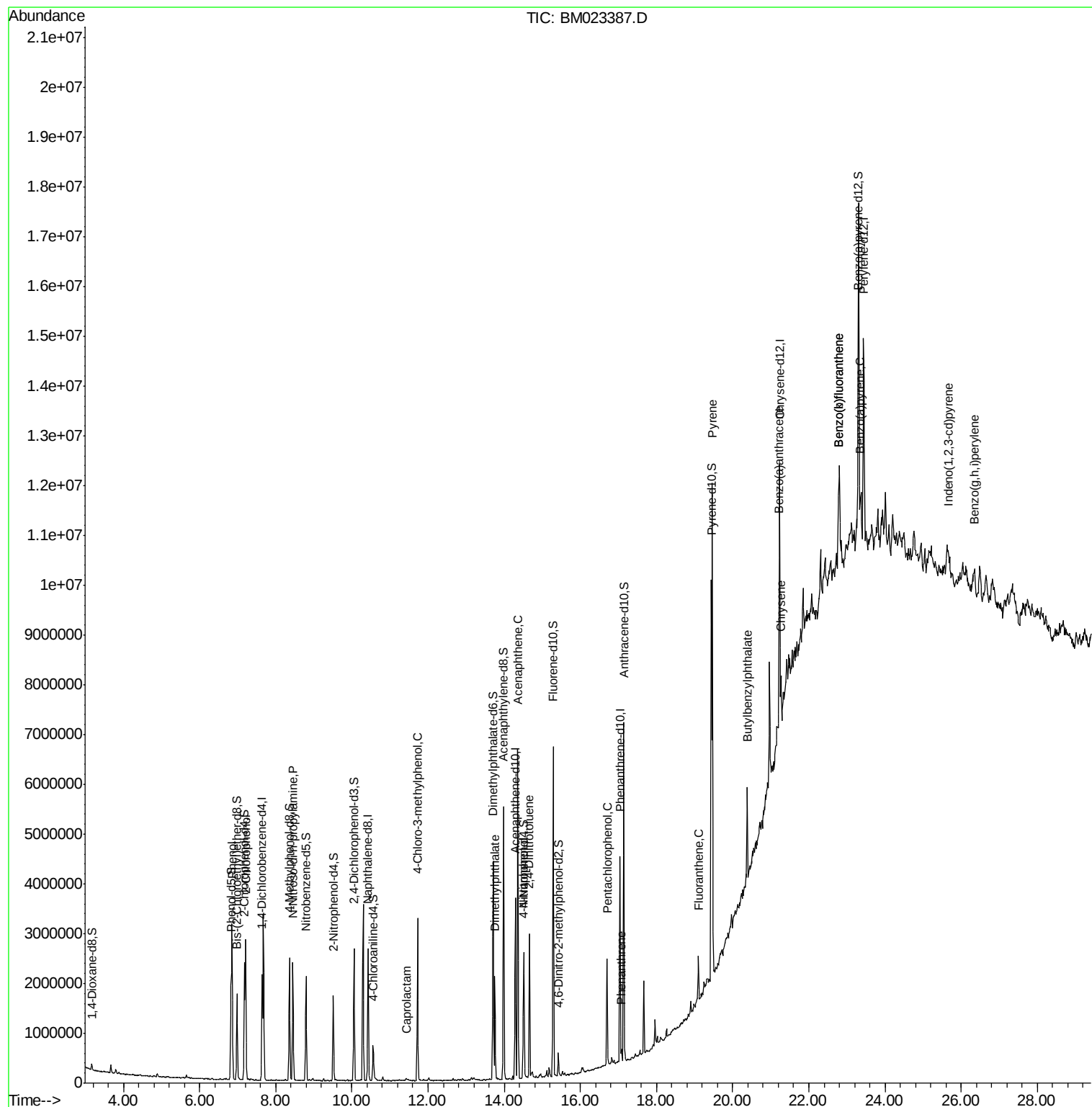
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

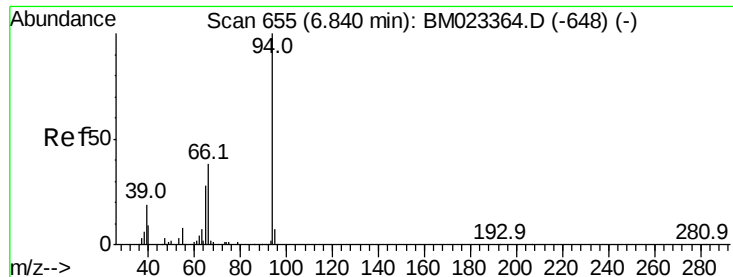
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Phenol

Concen: 32.367 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampled :

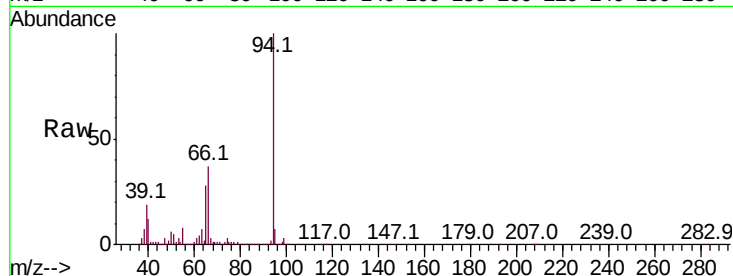
Tot Ion: 94 Resp: 1671025

Ion Ratio Lower Upper

94 100

65 28.0 22.9 34.3

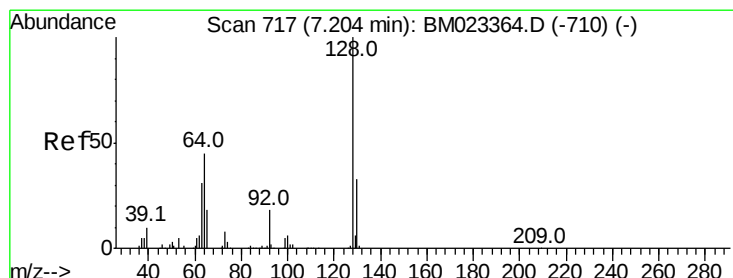
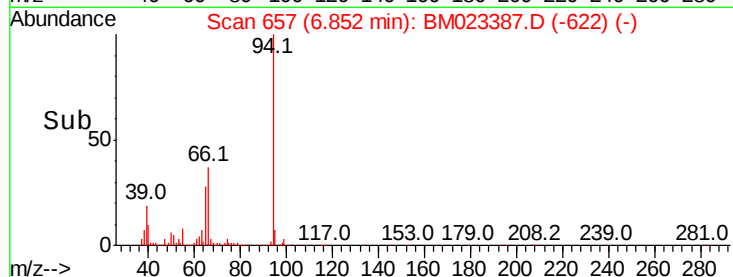
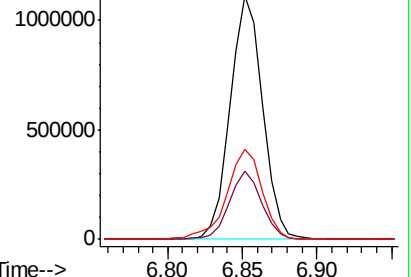
66 37.2 31.4 47.2



Abundance Ion 94.00 (93.70 to 94.70): BM023364.D (-648) (-)

Ion 65.00 (64.70 to 65.70): BM023364.D (-648) (-)

Ion 66.00 (65.70 to 66.70): BM023364.D (-648) (-)



#10

2-Chlorophenol

Concen: 30.031 ng/ul

RT: 7.21 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

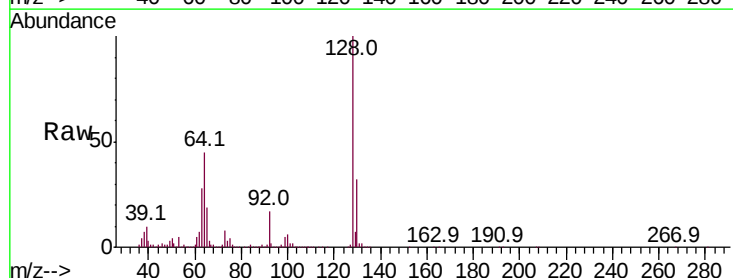
Tgt Ion:128 Resp: 1233094

Ion Ratio Lower Upper

128 100

64 45.0 37.3 55.9

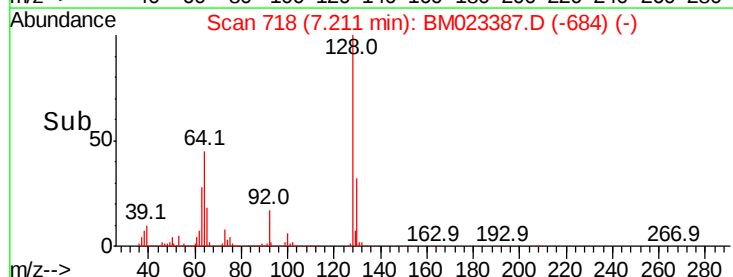
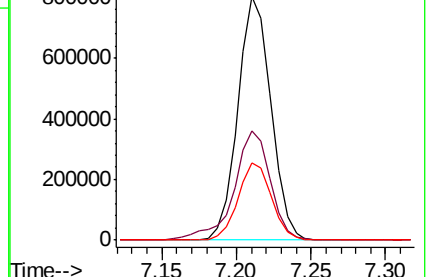
130 31.7 26.0 39.0

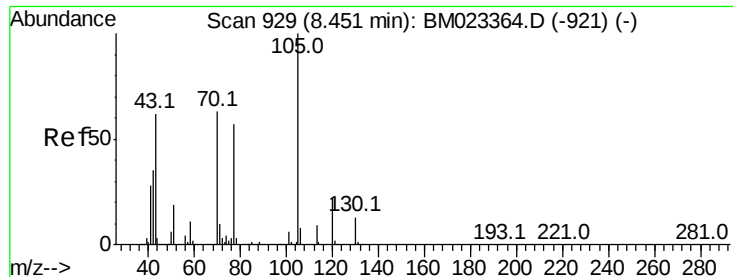


Abundance Ion 128.00 (127.70 to 128.70): BM023364.D (-710) (-)

Ion 64.00 (63.70 to 64.70): BM023364.D (-710) (-)

Ion 130.00 (129.70 to 130.70): BM023364.D (-710) (-)

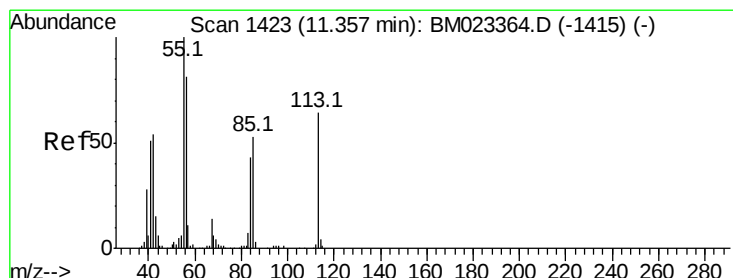
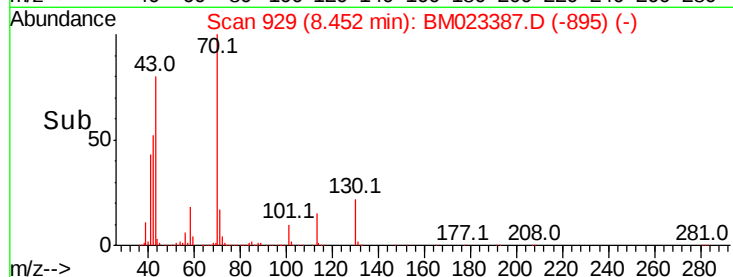
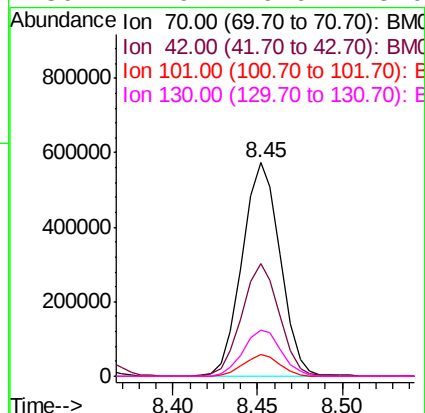
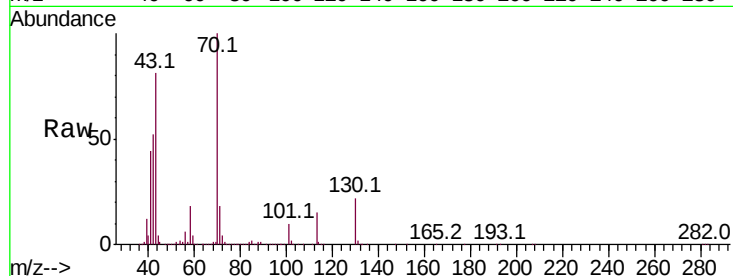




#15
N-Nitroso-di-n-propylamine
Concen: 24.981 ng/ul
RT: 8.45 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

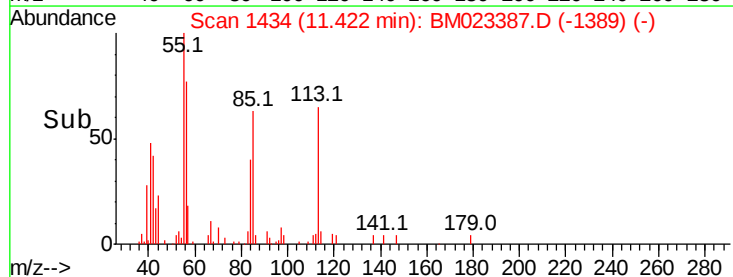
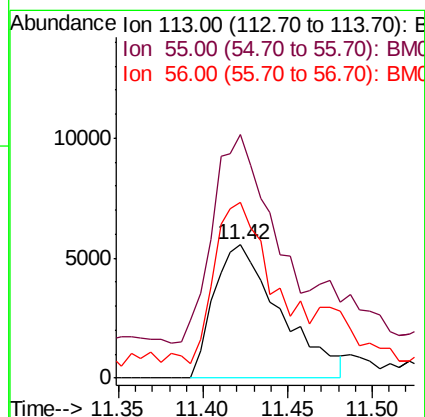
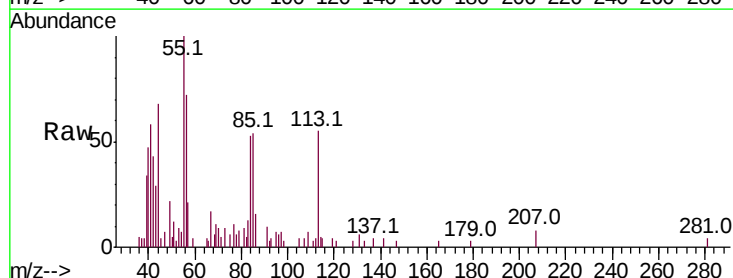
Instrument :
BNA_M
ClientSampleId :

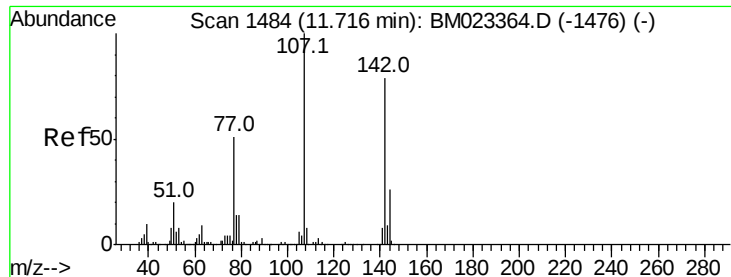
Tot Ion:	70	Resp:	897809
Ion	Ratio	Lower	Upper
70	100		
42	52.5	42.8	64.2
101	10.0	7.8	11.8
130	21.9	16.6	25.0



#32
Caprolactam
Concen: 1.413 ng/ul
RT: 11.42 min Scan# 1434
Delta R.T. 0.06 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion:	113	Resp:	15196
Ion	Ratio	Lower	Upper
113	100		
55	182.6	132.8	199.2
56	131.5	100.6	150.8

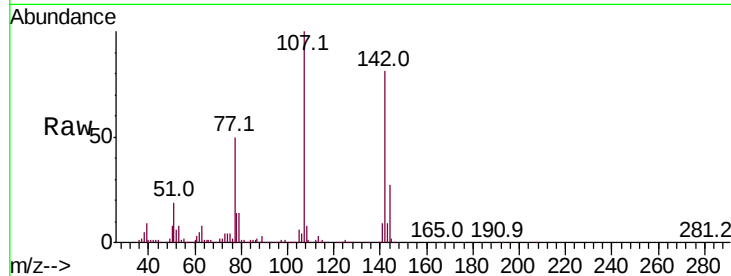




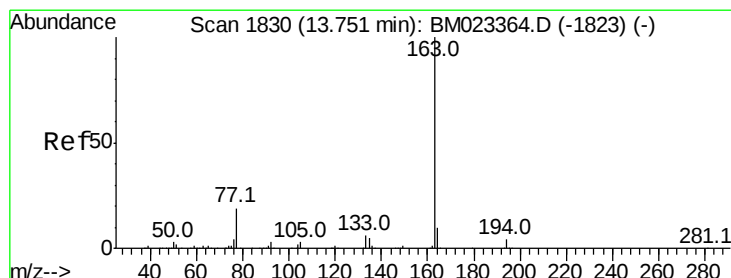
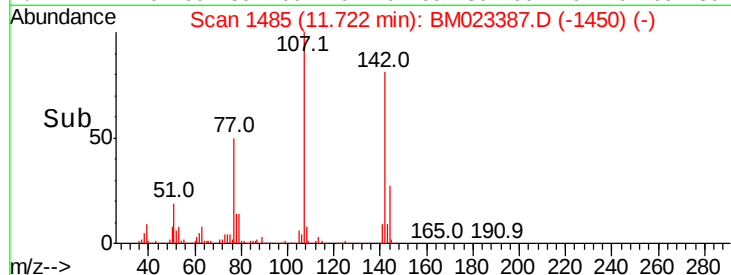
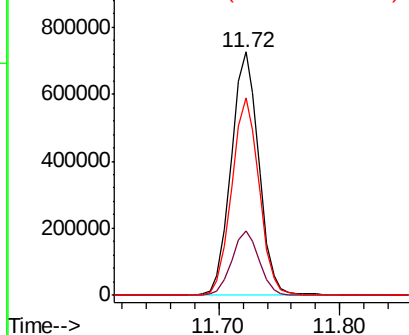
#33
 4-Chloro-3-methylphenol
 Concen: 30.062 ng/ul
 RT: 11.72 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BM023387.D
 Acq: 24 Oct 2019 19:53

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:107 Resp: 1161497
 Ion Ratio Lower Upper
 107 100
 144 26.6 20.7 31.1
 142 81.2 63.1 94.7

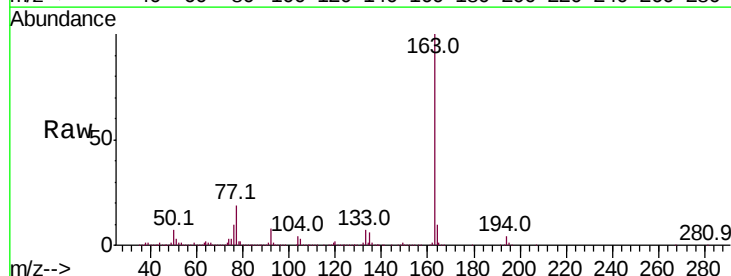


Abundance Ion 107.00 (106.70 to 107.70): E
 1000000 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

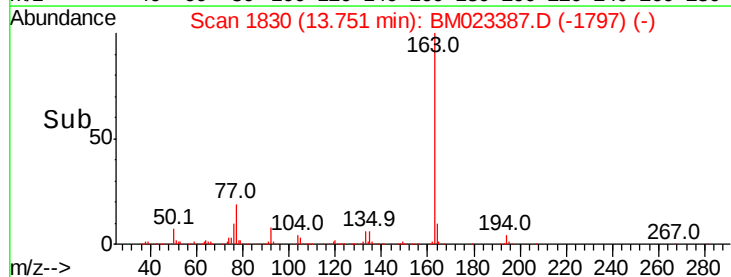
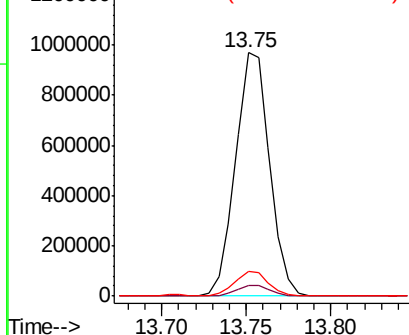


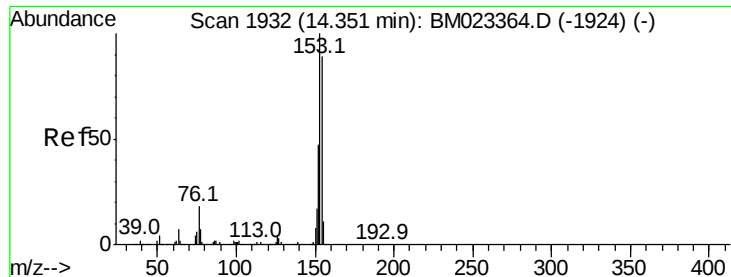
#45
 Dimethylphthalate
 Concen: 14.741 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BM023387.D
 Acq: 24 Oct 2019 19:53

Tgt Ion:163 Resp: 1358960
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.3 4.9
 164 10.1 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
 1200000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 34.960 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

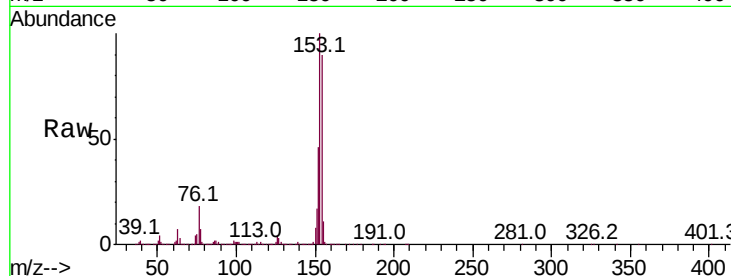
Tot Ion:153 Resp: 2681430

Ion Ratio Lower Upper

153 100

152 46.3 37.9 56.9

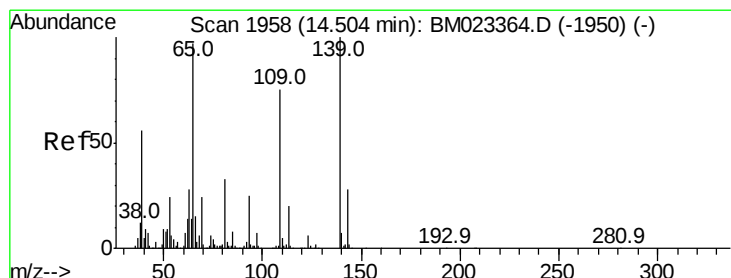
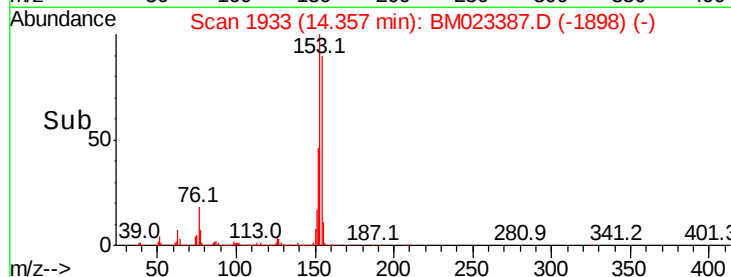
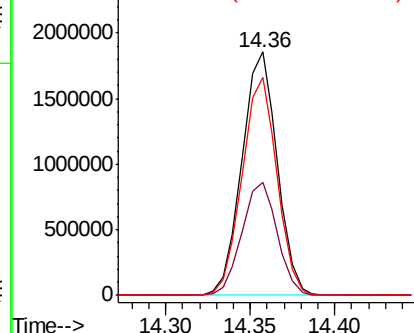
154 89.6 70.6 106.0



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

4-Nitrophenol

Concen: 29.964 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

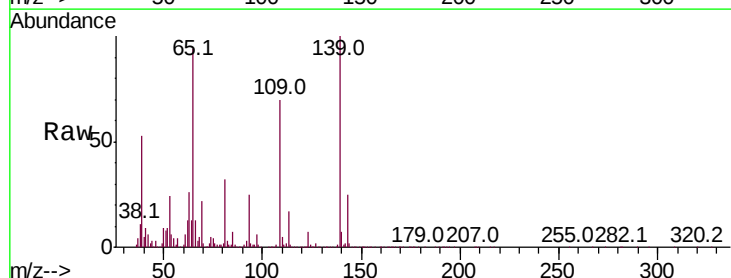
Tgt Ion:109 Resp: 379471

Ion Ratio Lower Upper

109 100

139 141.8 107.1 160.7

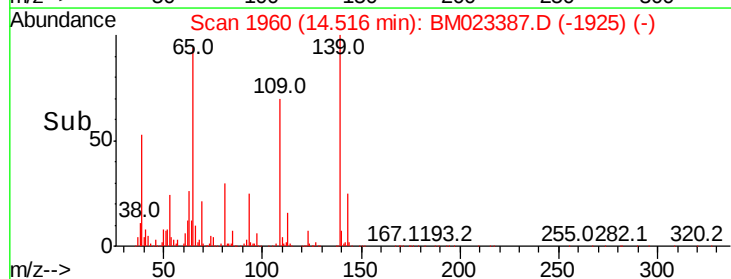
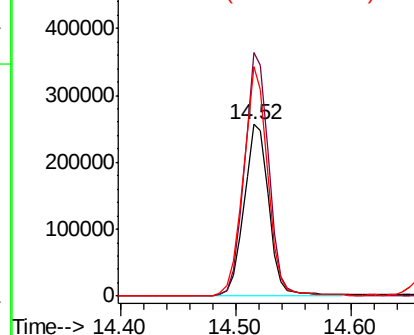
65 133.5 100.0 150.0

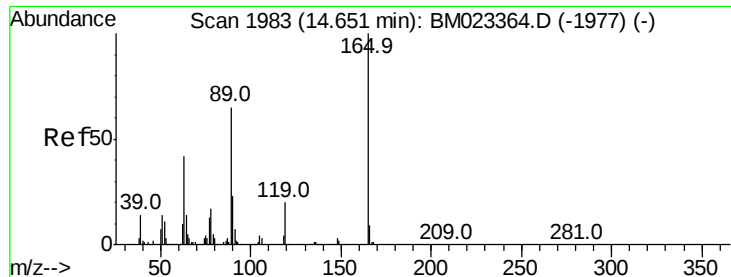


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#55

2,4-Dinitrotoluene

Concen: 32.540 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

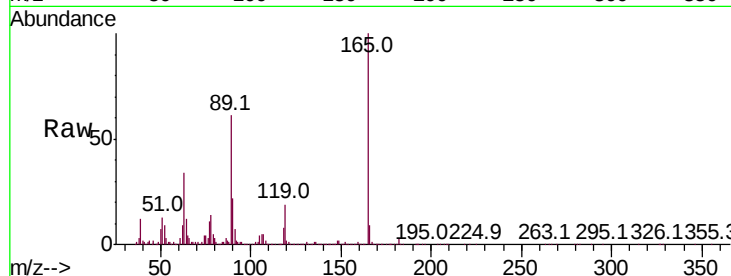
Tot Ion:165 Resp: 861475

Ion Ratio Lower Upper

165 100

63 34.5 30.9 46.3

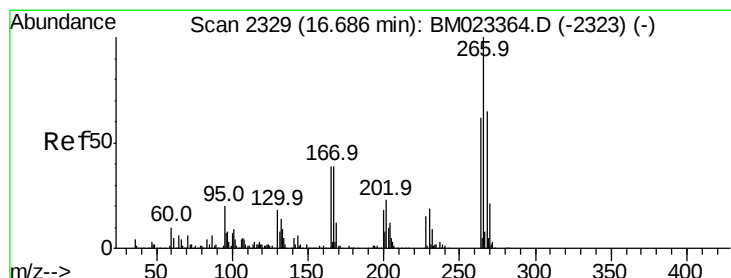
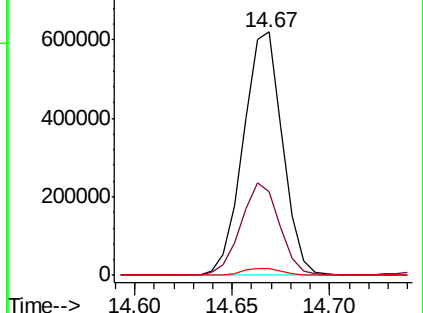
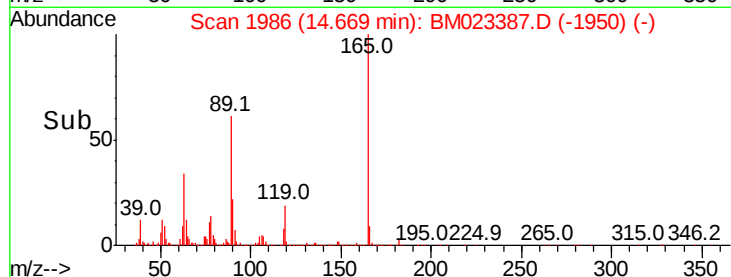
182 2.9 2.5 3.7



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: 21.030 ng/ul

RT: 16.70 min Scan# 2331

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

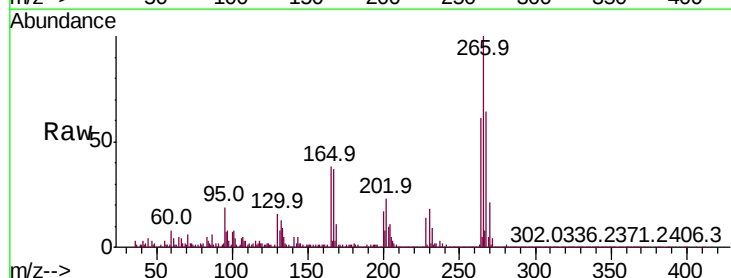
Tgt Ion:266 Resp: 423971

Ion Ratio Lower Upper

266 100

264 61.4 49.4 74.2

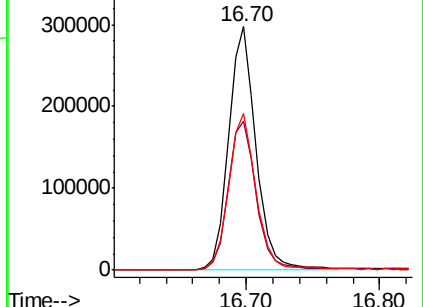
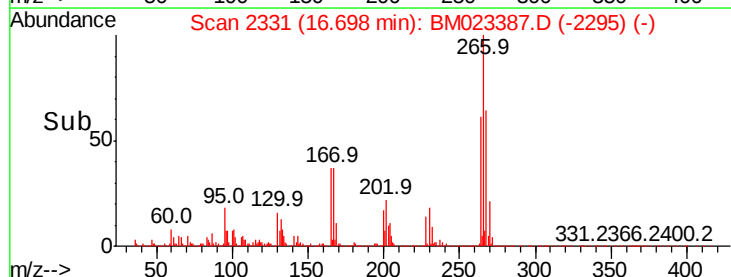
268 64.2 50.4 75.6

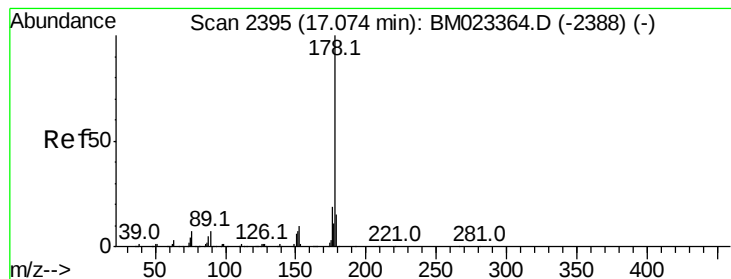


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 1.163 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

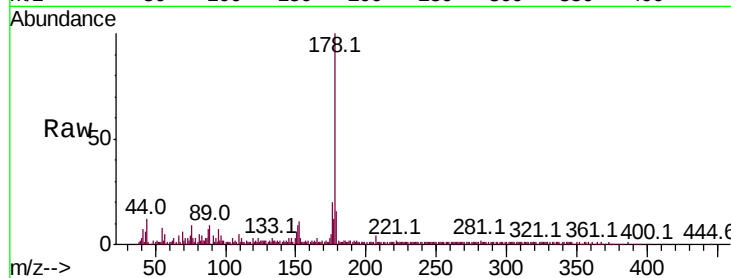
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 150948

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	20.0	14.9	22.3

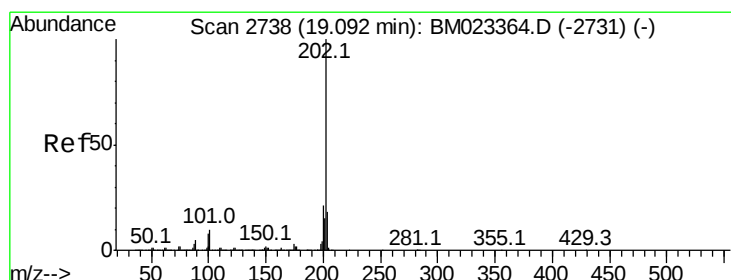
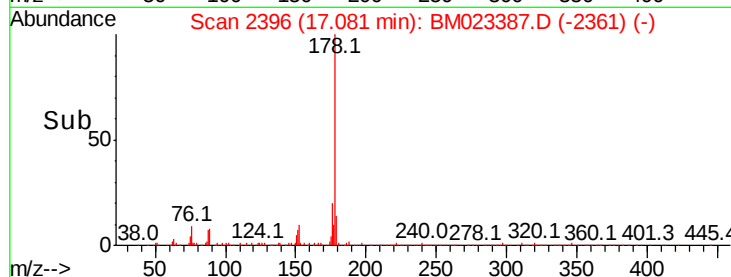
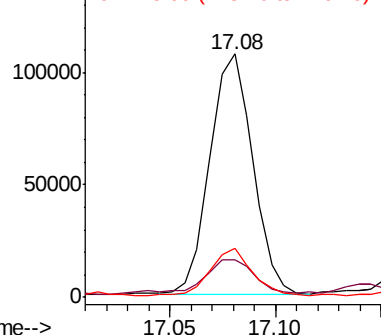


Abundance

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: 4.052 ng/ul

RT: 19.10 min Scan# 2739

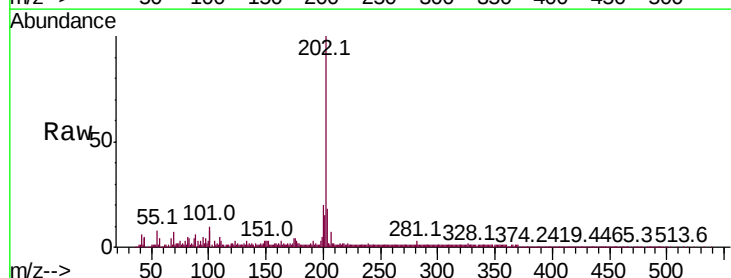
Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Tgt Ion:202 Resp: 548729

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.1	12.1
100	8.4	6.2	9.2

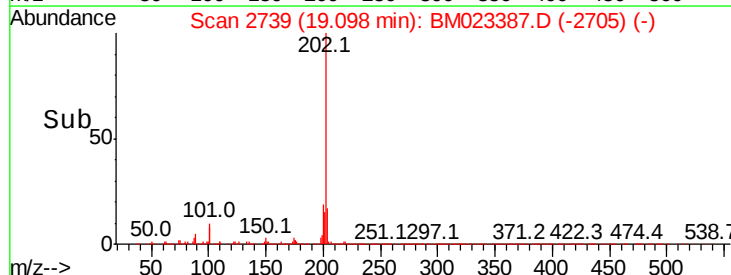
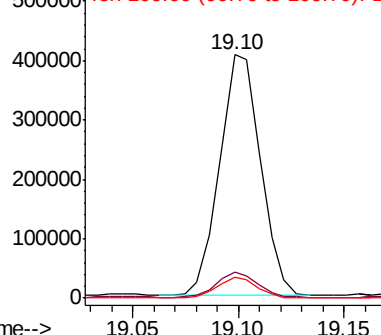


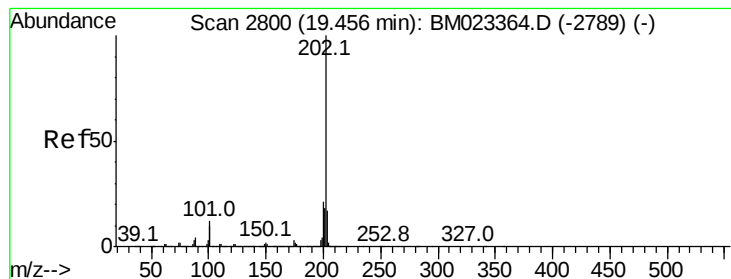
Abundance

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: 36.672 ng/ul

RT: 19.47 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

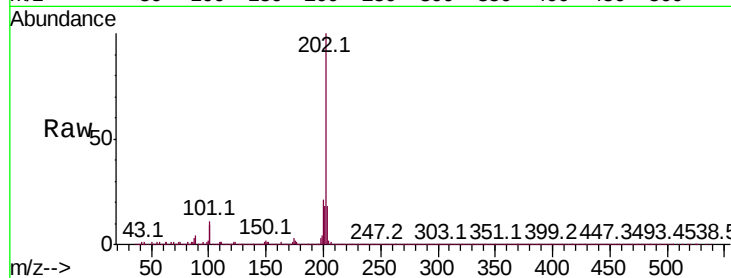
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 6066452

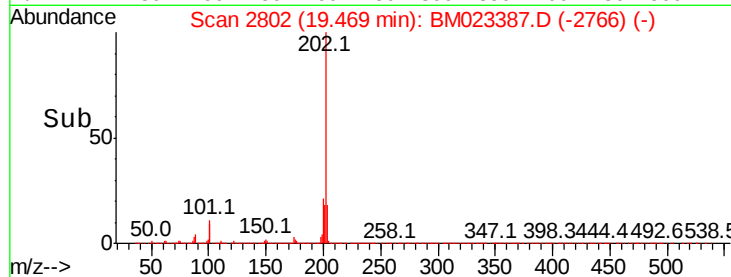
Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.0	15.0
100	9.3	8.3	12.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

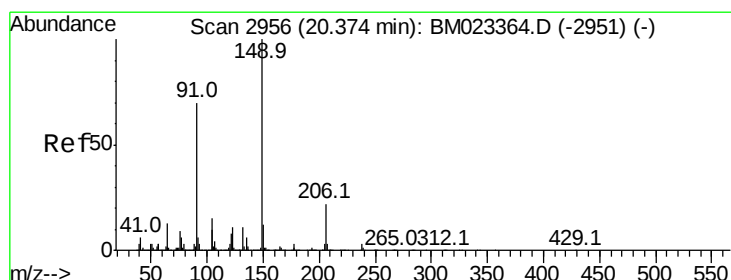
Ion 100.00 (99.70 to 100.70): B



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



#81

Butylbenzylphthalate

Concen: 7.659 ng/ul

RT: 20.38 min Scan# 2957

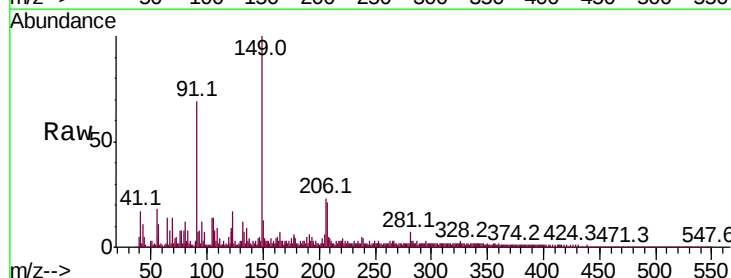
Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Tgt Ion:149 Resp: 518735

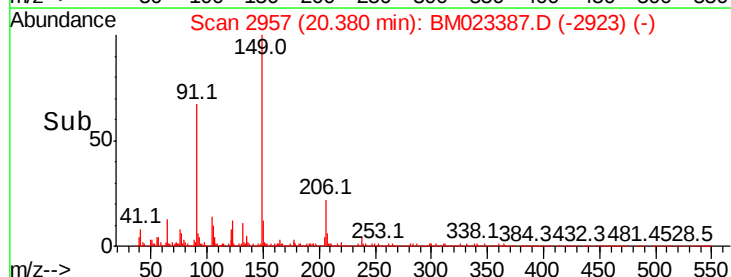
Ion	Ratio	Lower	Upper
149	100		
91	69.5	54.2	81.2
206	23.0	17.7	26.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

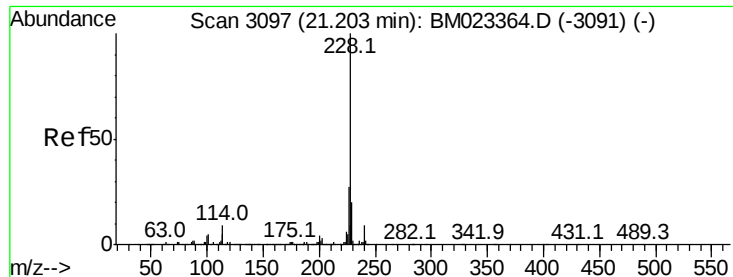
Ion 206.00 (205.70 to 206.70): E



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 2.323 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

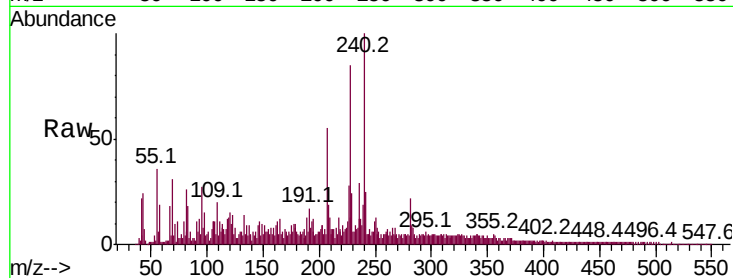
Tot Ion:228 Resp: 364020

Ion Ratio Lower Upper

228 100

229 27.9 15.8 23.8#

226 33.3 21.6 32.4#

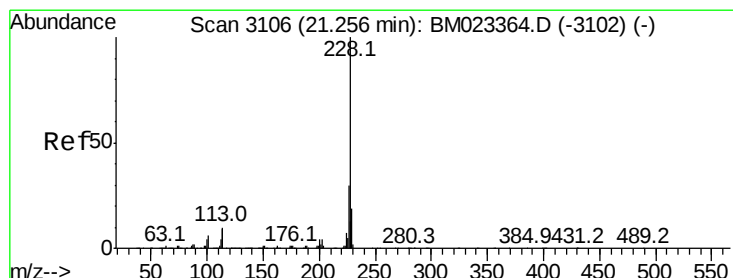
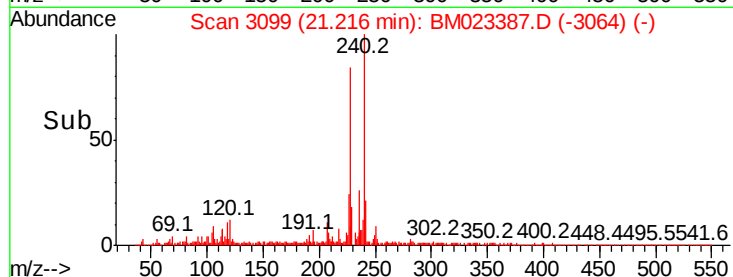
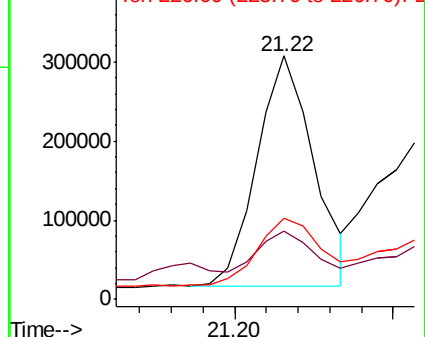


Abundance

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



#85

Chrysene

Concen: 3.708 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

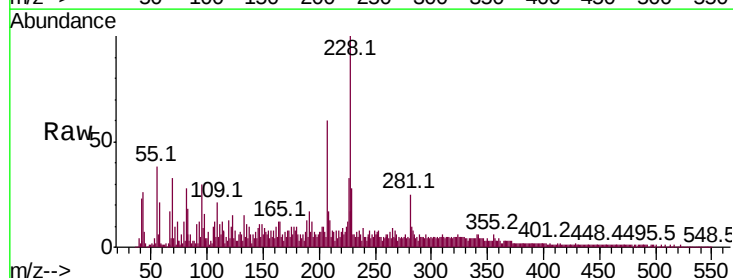
Tgt Ion:228 Resp: 536120

Ion Ratio Lower Upper

228 100

226 33.4 24.0 36.0

229 27.8 16.0 24.0#

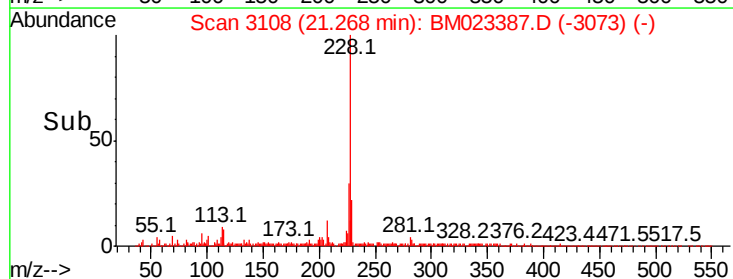
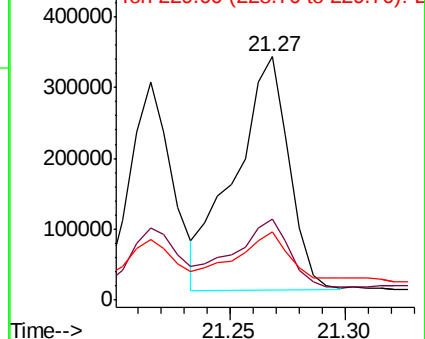


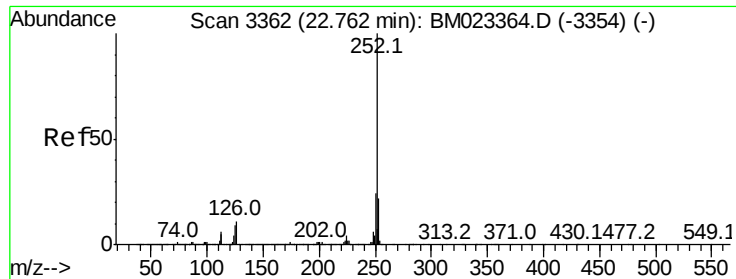
Abundance

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: 4.539 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

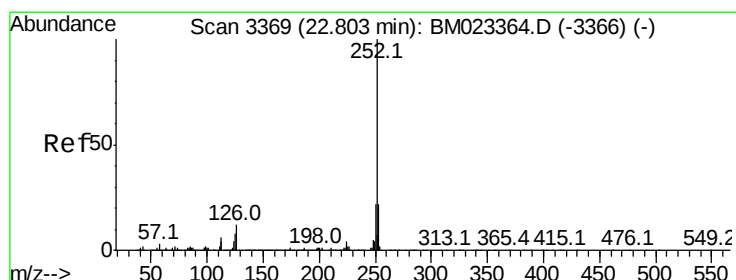
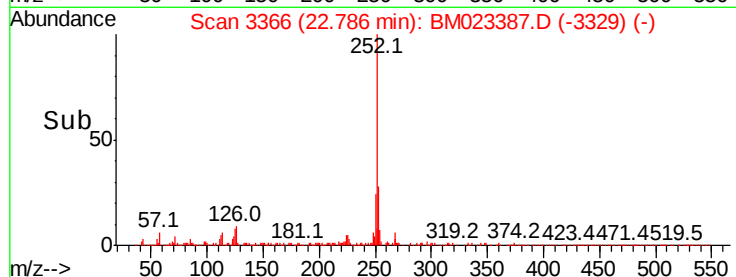
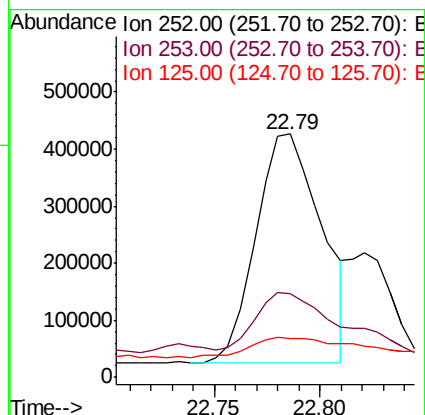
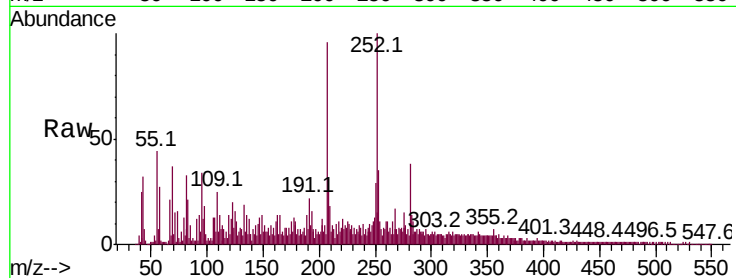
Tot Ion:252 Resp: 864601

Ion Ratio Lower Upper

252 100

253 34.6 17.5 26.3#

125 16.1 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 4.833 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.03 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

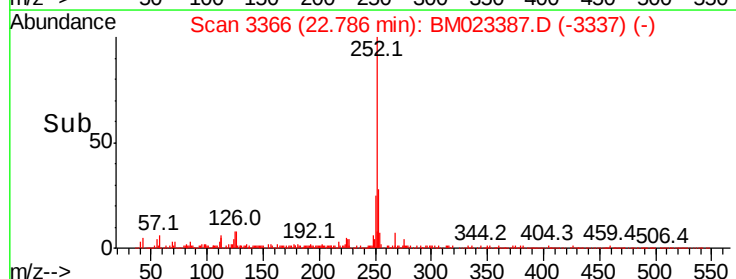
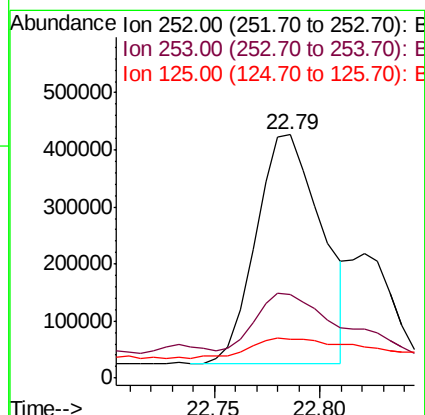
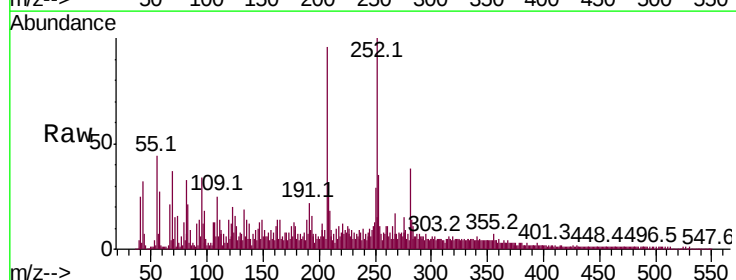
Tgt Ion:252 Resp: 864601

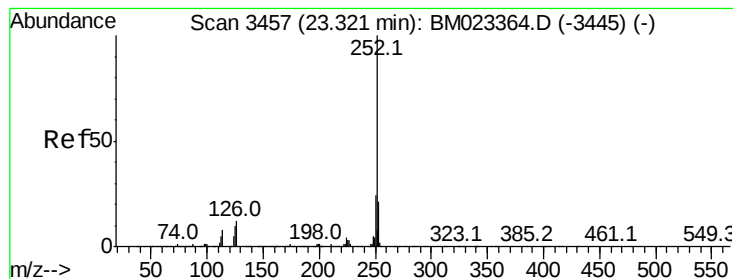
Ion Ratio Lower Upper

252 100

253 34.6 17.8 26.6#

125 16.1 6.8 10.2#





#91

Benzo(a)pyrene

Concen: 2.748 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

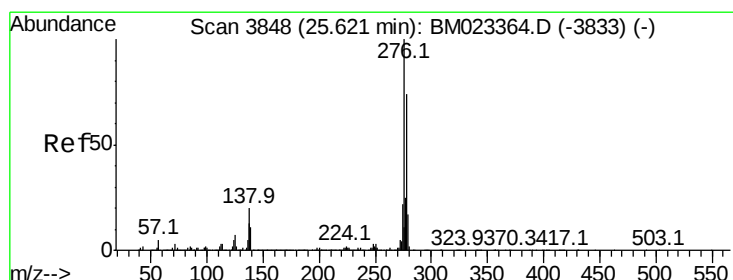
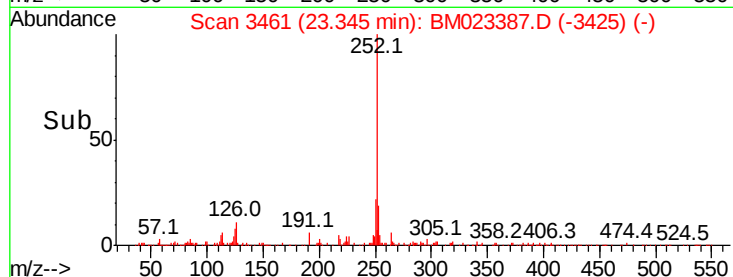
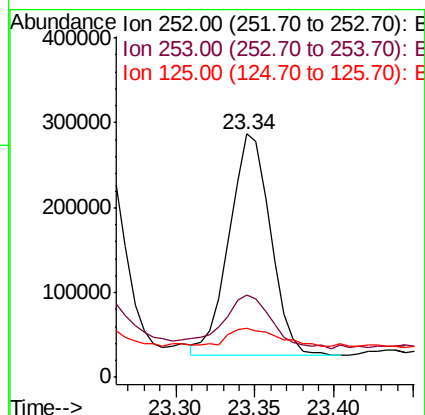
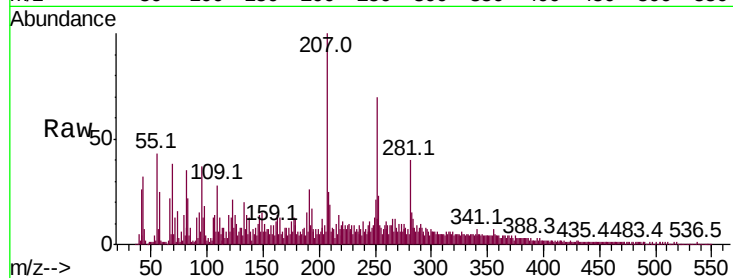
Tot Ion:252 Resp: 473930

Ion Ratio Lower Upper

252 100

253 33.7 17.7 26.5#

125 20.2 7.5 11.3#



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.070 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. 0.04 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

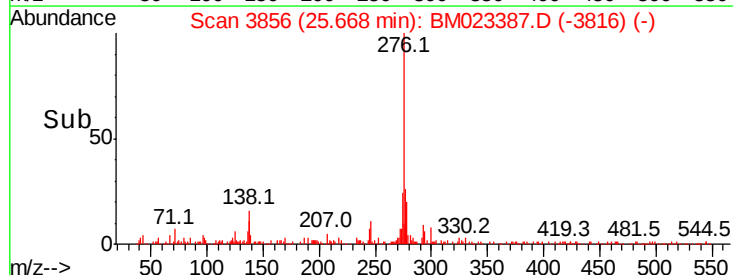
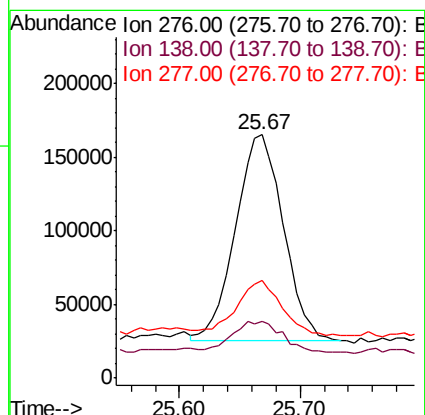
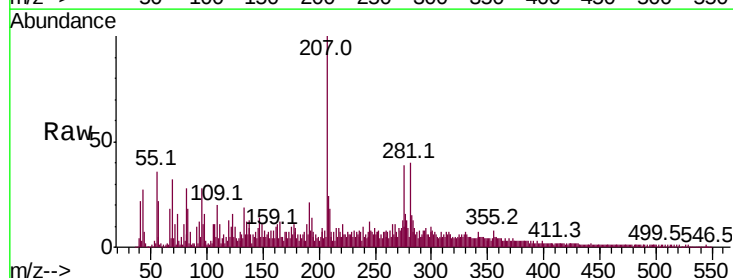
Tgt Ion:276 Resp: 386630

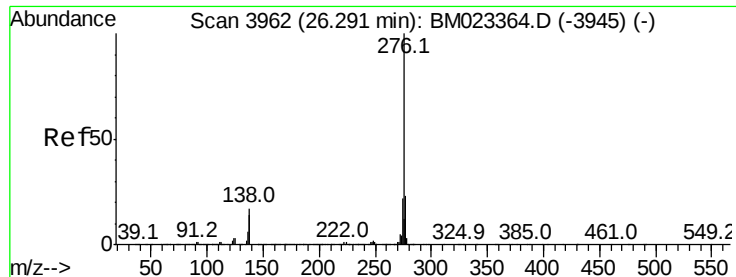
Ion Ratio Lower Upper

276 100

138 23.1 15.7 23.5

277 39.9 20.2 30.2#





#94

Benzo(a,h,i)perylene

Concen: 3.028 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.04 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

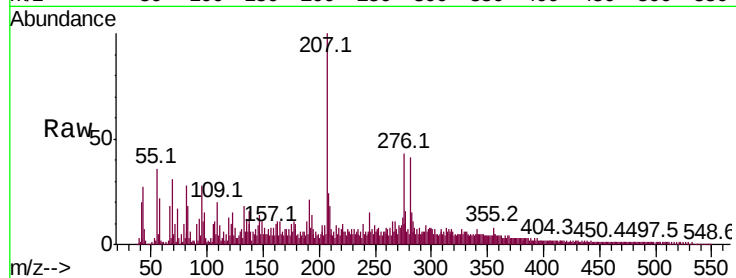
Tot Ion:276 Resp: 460035

Ion Ratio Lower Upper

276 100

138 23.3 14.4 21.6#

277 38.0 19.0 28.6#



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

