

Data File : BM023820.D
Acq On : 20 Nov 2019 05:43
Operator : JU
Sample : K5847-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFPS4

Quant Time: Nov 20 07:50:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 20 06:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	437155	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	1611222	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	864453	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.93	188	1564622	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	1643277	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	2153256	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	356	0.03	ng/uL	-0.01
5) Phenol-d5	6.71	99	1793	0.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	5686	0.25	ng/ul	-0.01
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.24	113	912	0.03	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	3208	0.28	ng/ul	0.02
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	9.92	165	148	0.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	97375	3.21	ng/ul	-0.02
44) Dimethylphthalate-d6	13.60	166	499	0.01	ng/ul	0.00
47) Acenaphthylene-d8	13.84	160	1071	0.01	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.41	143	753	0.07	ng/ul	0.00
58) Fluorene-d10	15.17	176	810	0.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	3022	0.33	ng/ul	-0.02
71) Anthracene-d10	16.93	188	1565356	21.09	ng/ul	-0.10
79) Pyrene-d10	19.34	212	3039	0.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	2940	0.03	ng/ul	0.00

Target Compounds

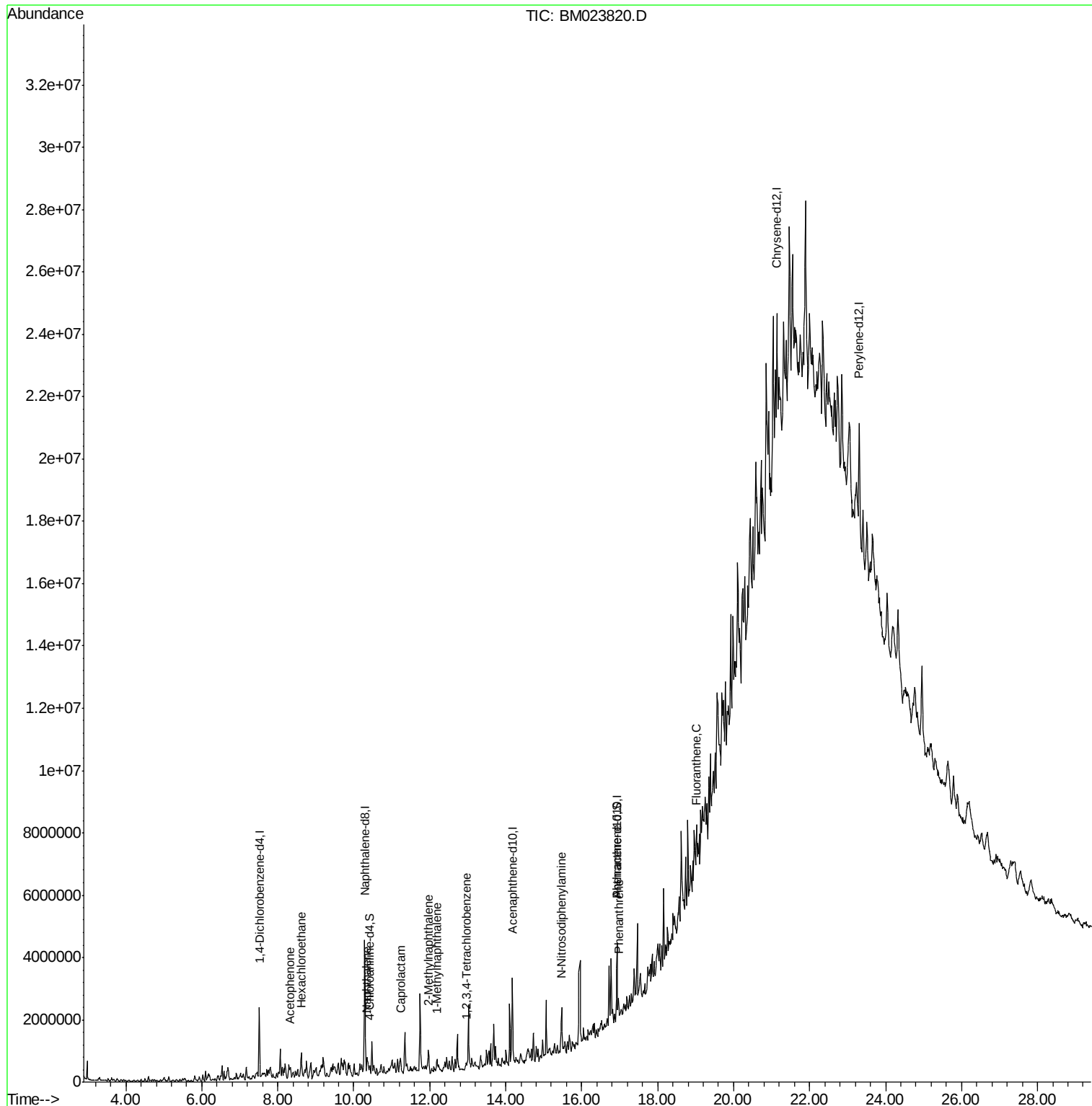
						Qvalue
14) Acetophenone	8.32	105	126641	2.554	ng/ul#	33
17) Hexachloroethane	8.62	117	53120	4.498	ng/ul#	2
28) Naphthalene	10.34	128	118802	1.403	ng/ul#	95
32) Caprolactam	11.23	113	8659	1.005	ng/ul#	1
34) 2-Methylnaphthalene	11.97	142	226327	3.494	ng/ul	96
35) 1-Methylnaphthalene	12.19	142	162862	2.549	ng/ul#	97
65) N-Nitrosodiphenylamine	15.46	169	75718	1.649	ng/ul#	36
70) Phenanthrene	16.97	178	226333	2.626	ng/ul#	91
73) 1,2,3,4-Tetrachlorobenzene	12.97	216	30713	1.385	ng/uL	95
77) Fluoranthene	19.00	202	92979	1.007	ng/ul#	83

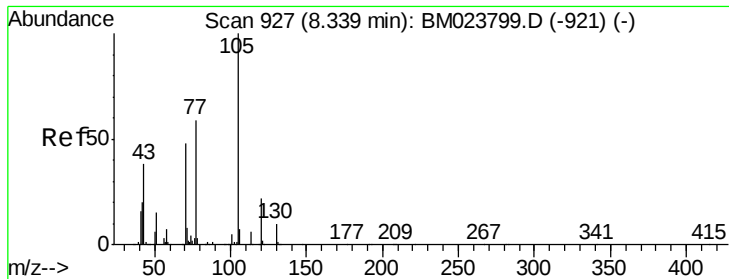
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 2.554 ng/ul

RT: 8.32 min Scan# 924

Delta R.T. -0.02 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

Instrument :

BNA_M

ClientSampled :

BFPS4

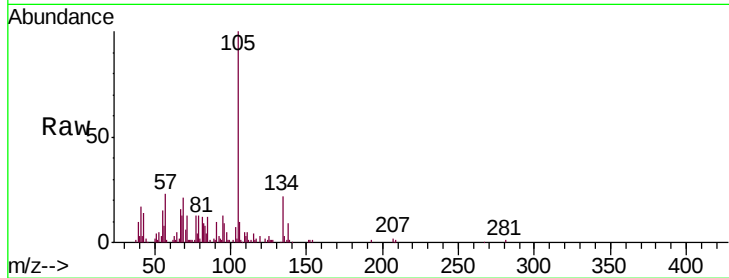
Tgt Ion:105 Resp: 126641

Ion Ratio Lower Upper

105 100

77 13.2 63.8 95.6#

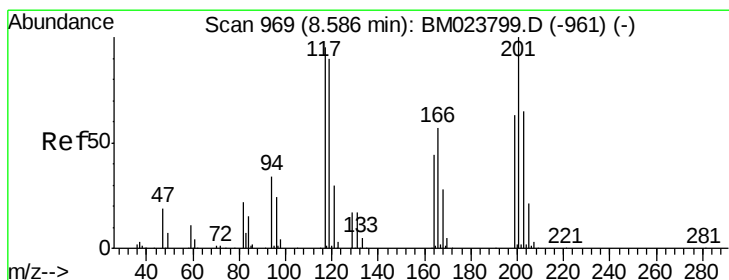
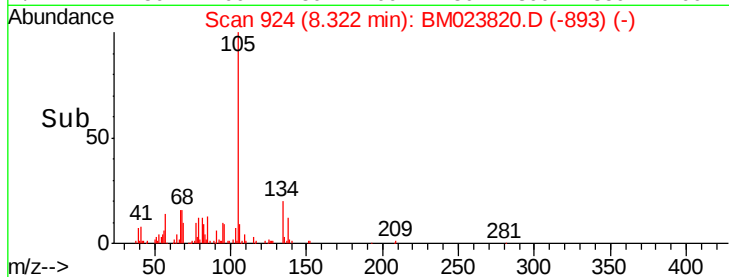
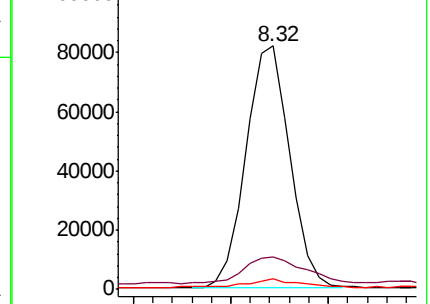
51 4.2 16.3 24.5#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 4.498 ng/ul

RT: 8.62 min Scan# 975

Delta R.T. 0.04 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

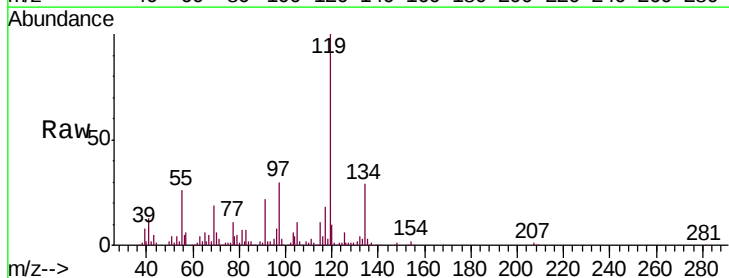
Tgt Ion:117 Resp: 53120

Ion Ratio Lower Upper

117 100

201 0.0 90.0 135.0#

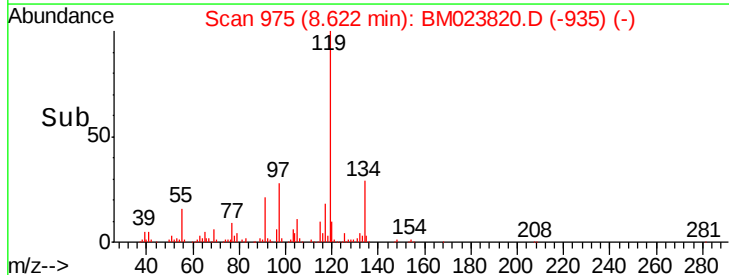
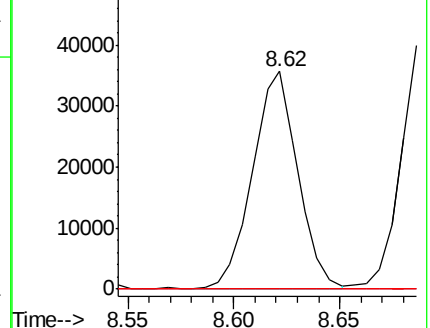
199 0.0 57.0 85.4#

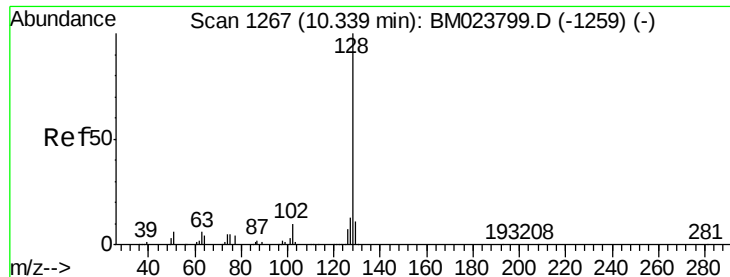


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 1.403 ng/ul

RT: 10.34 min Scan# 1267

Delta R.T. -0.00 min

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Acq: 20 Nov 2019 05:43

Instrument :

BNA_M

ClientSampleId :

BFPS4

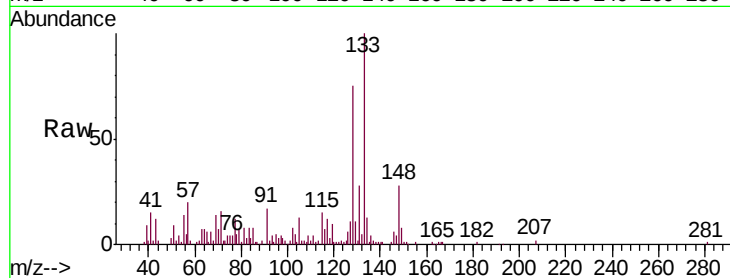
Tgt Ion:128 Resp: 118802

Ion Ratio Lower Upper

128 100

129 14.5 8.7 13.1#

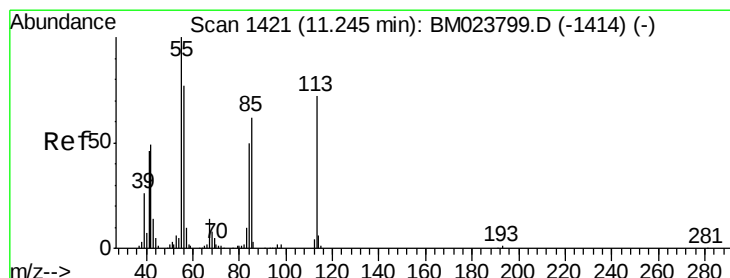
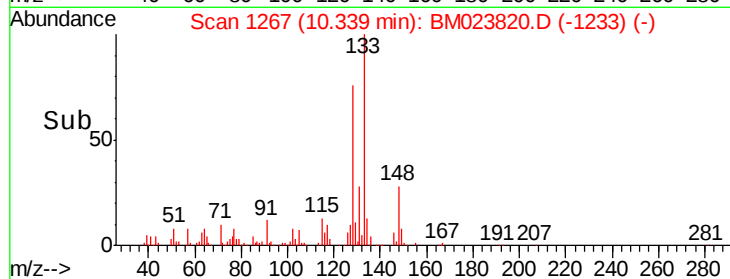
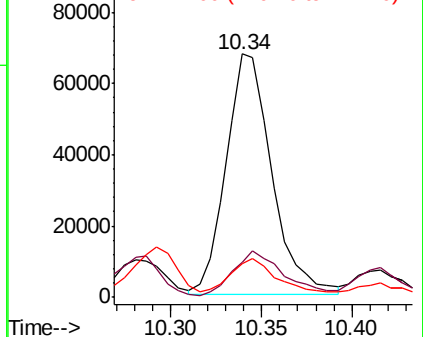
127 14.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 1.005 ng/ul

RT: 11.23 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

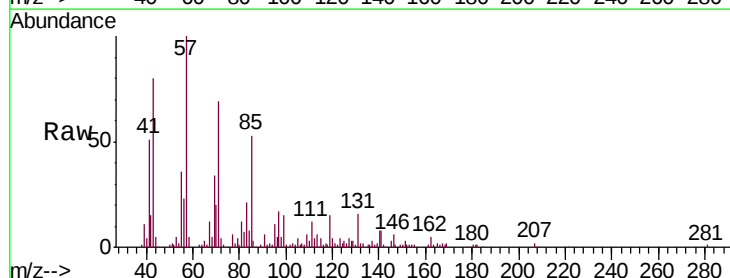
Tgt Ion:113 Resp: 8659

Ion Ratio Lower Upper

113 100

55 647.6 105.8 158.6#

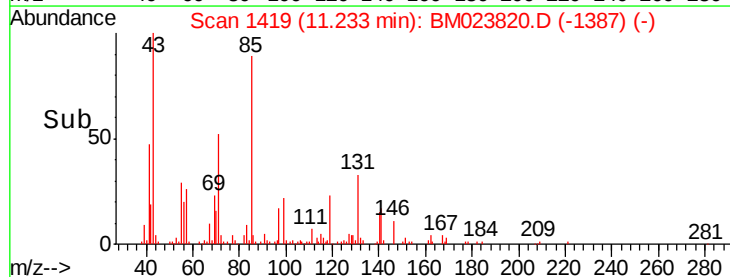
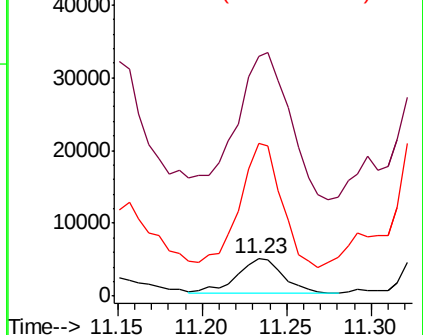
56 411.1 83.0 124.6#

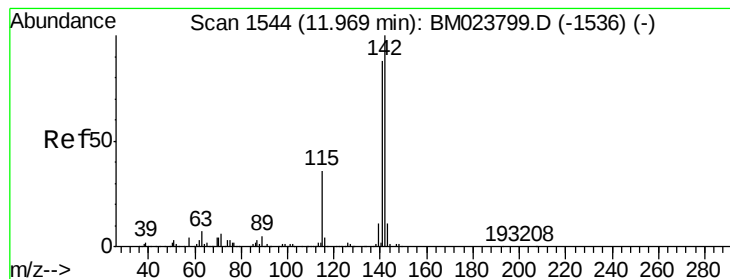


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM





#34

2-Methylnaphthalene

Concen: 3.494 ng/ul

RT: 11.97 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

Instrument :

BNA_M

ClientSampleId :

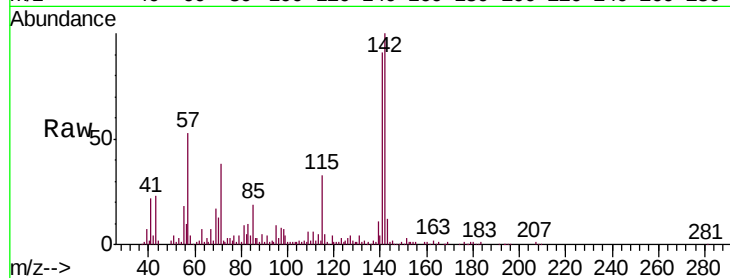
BFPS4

Tgt Ion:142 Resp: 226327

Ion Ratio Lower Upper

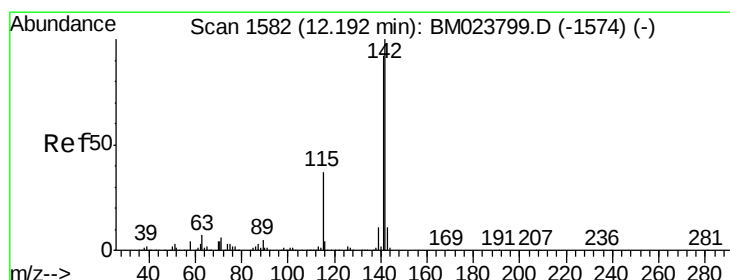
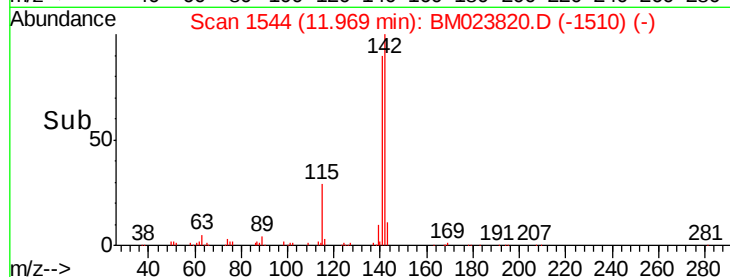
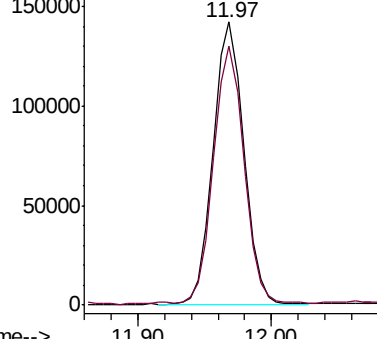
142 100

141 91.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 2.549 ng/ul

RT: 12.19 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

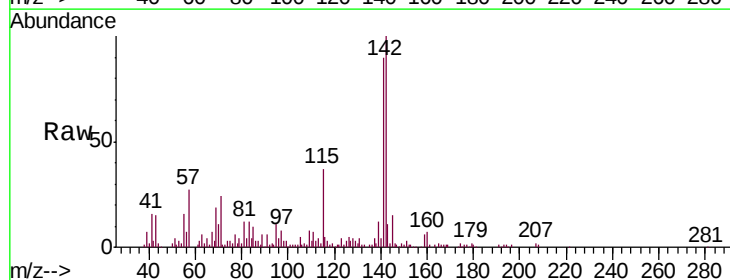
Tgt Ion:142 Resp: 162862

Ion Ratio Lower Upper

142 100

141 90.2 74.6 112.0

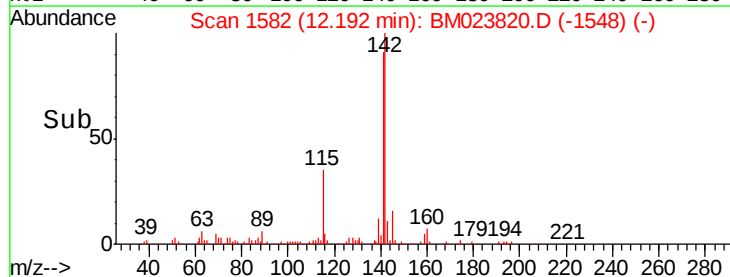
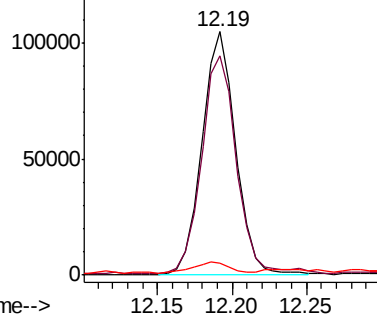
116 5.0 3.2 4.8#

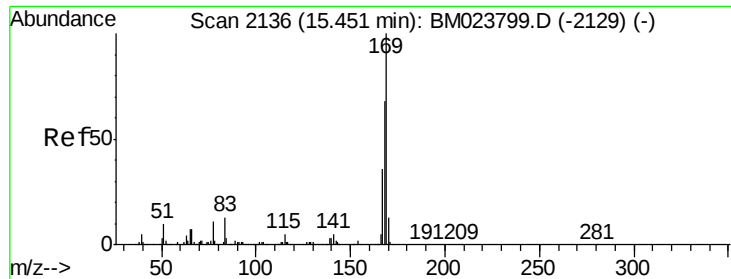


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

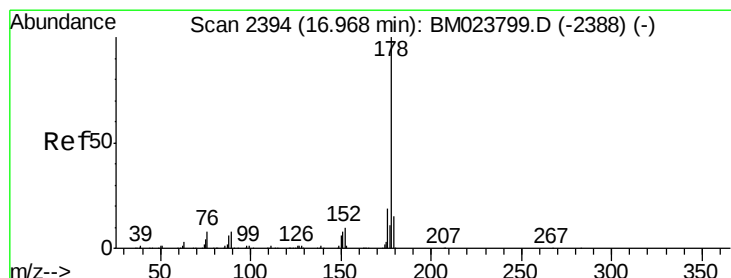
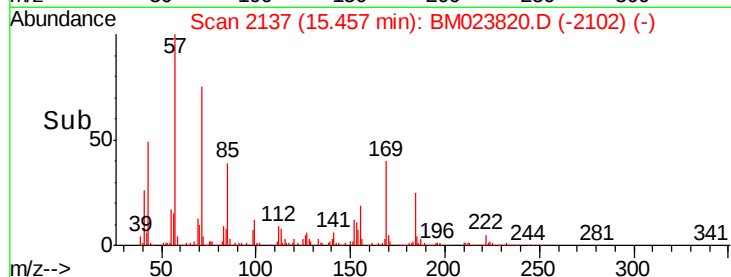
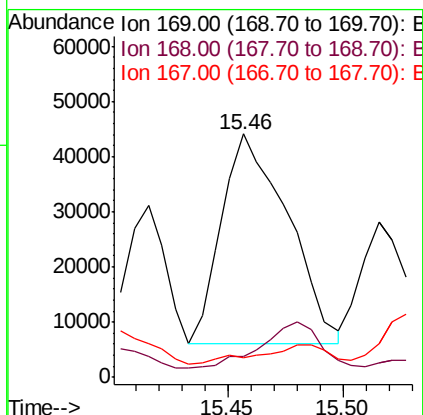
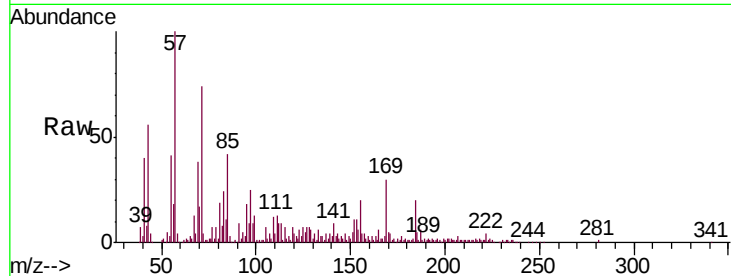




#65
N-Nitrosodiphenylamine
Concen: 1.649 ng/ul
RT: 15.46 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BM023820.D
Acq: 20 Nov 2019 05:43

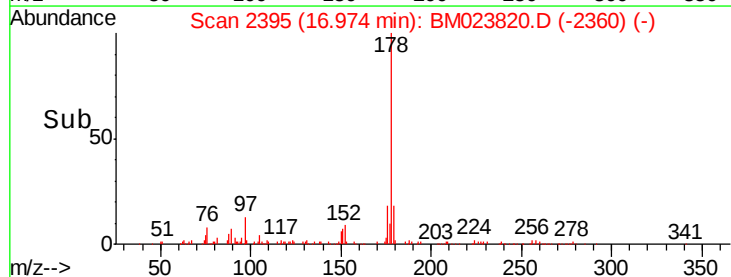
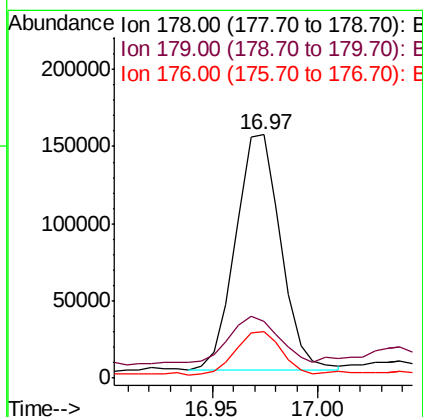
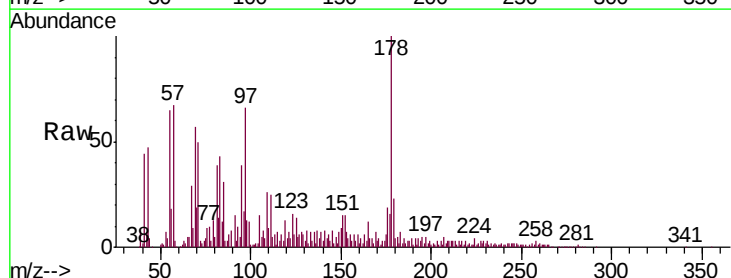
Instrument :
BNA_M
ClientSampled :
BFPS4

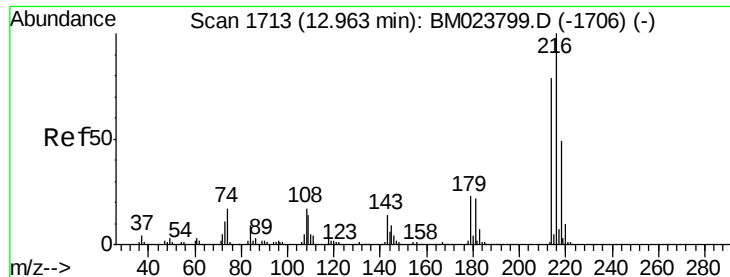
Tgt Ion:169 Resp: 75718
Ion Ratio Lower Upper
169 100
168 8.6 53.2 79.8#
167 7.9 28.0 42.0#



#70
Phenanthrene
Concen: 2.626 ng/ul
RT: 16.97 min Scan# 2395
Delta R.T. 0.01 min
Lab File: BM023820.D
Acq: 20 Nov 2019 05:43

Tgt Ion:178 Resp: 226333
Ion Ratio Lower Upper
178 100
179 23.3 12.3 18.5#
176 19.1 15.0 22.6





#73

1,2,3,4-Tetrachlorobenzene

Concen: 1.385 ng/uL

RT: 12.97 min Scan# 1714

Delta R.T. 0.01 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

Instrument :

BNA_M

ClientSampled :

BFPS4

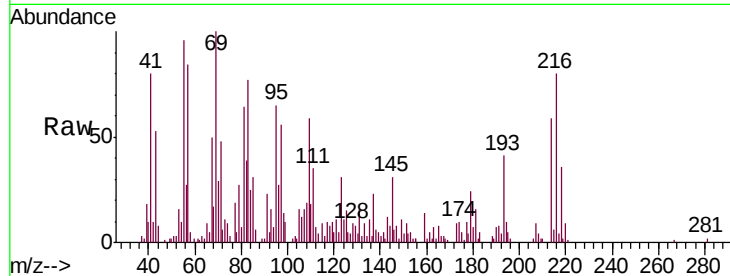
Tgt Ion:216 Resp: 30713

Ion Ratio Lower Upper

216 100

214 74.6 63.1 94.7

218 45.2 38.6 57.8

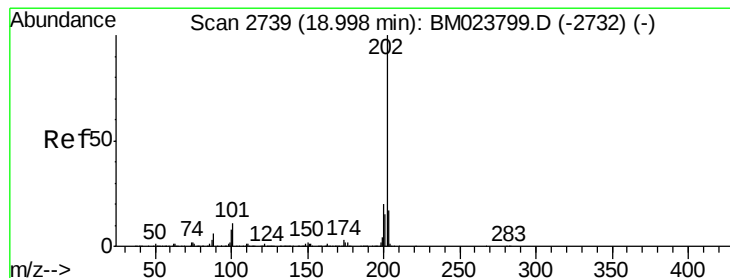
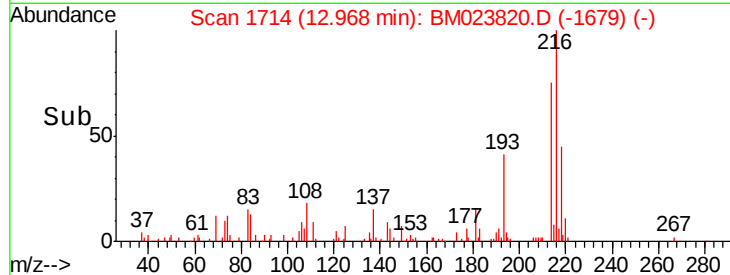
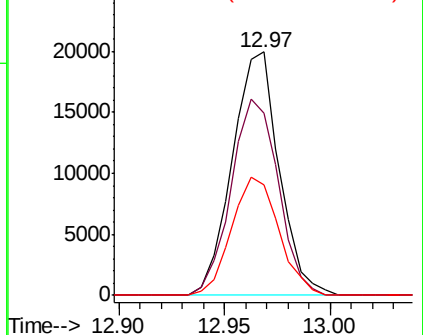


Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#77

Fluoranthene

Concen: 1.007 ng/uL

RT: 19.00 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023820.D

Acq: 20 Nov 2019 05:43

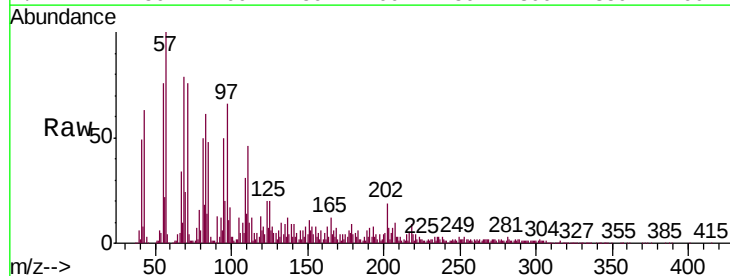
Tgt Ion:202 Resp: 92979

Ion Ratio Lower Upper

202 100

101 14.8 7.7 11.5#

100 15.1 6.0 9.0#



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

