

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
 Data File : BM024956.D
 Acq On : 19 Feb 2020 22:29
 Operator : CG/JU
 Sample : L1486-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DBCX4

Manual Integrations
 APPROVED

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Quant Time: Feb 20 00:31:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 19 03:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	337940	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	1141155	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.03	164	770732	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	1645796	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	1744562	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	1835356	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	41416	5.89	ng/uL	0.00
5) Phenol-d5	6.59	99	164789	7.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	476203	37.56	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	537375	26.72	ng/ul	-0.01
13) 4-Methylphenol-d8	8.10	113	311467	16.44	ng/ul	-0.01
19) Nitrobenzene-d5	8.53	128	339902	41.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	368259	37.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	650567	33.08	ng/ul	0.01
29) 4-Chloroaniline-d4	10.30	131	68108m	3.70	ng/ul	0.02
44) Dimethylphthalate-d6	13.46	166	2077488	35.71	ng/ul	0.00
47) Acenaphthylene-d8	13.72	160	2574528	37.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	55646	5.89	ng/ul	0.00
58) Fluorene-d10	15.04	176	1904531	36.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	315370	29.40	ng/ul	0.00
71) Anthracene-d10	16.89	188	2951635	39.29	ng/ul	0.00
79) Pyrene-d10	19.20	212	3345494	38.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	3673065	39.85	ng/ul	-0.01

Target Compounds

				Ovalue	
28) Naphthalene	10.19	128	66207991m	1135.524	ng/ul
34) 2-Methylnaphthalene	11.81	142	293812	6.841	ng/ul
41) 1,1'-Biphenyl	12.86	154	7947044	139.674	ng/ul#
45) Dimethylphthalate	13.51	163	93351	1.538	ng/ul#
48) Acenaphthylene	13.75	152	241745	3.435	ng/ul#
50) Acenaphthene	14.11	153	12966650	272.825	ng/ul
54) Dibenzofuran	14.44	168	16251206	229.386	ng/ul#
59) Fluorene	15.09	166	382724	6.555	ng/ul#
70) Phenanthrene	16.84	178	8937241	99.594	ng/ul
75) Carbazole	17.21	167	13498345	178.034	ng/ul#
77) Fluoranthene	18.86	202	145312	1.319	ng/ul#

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

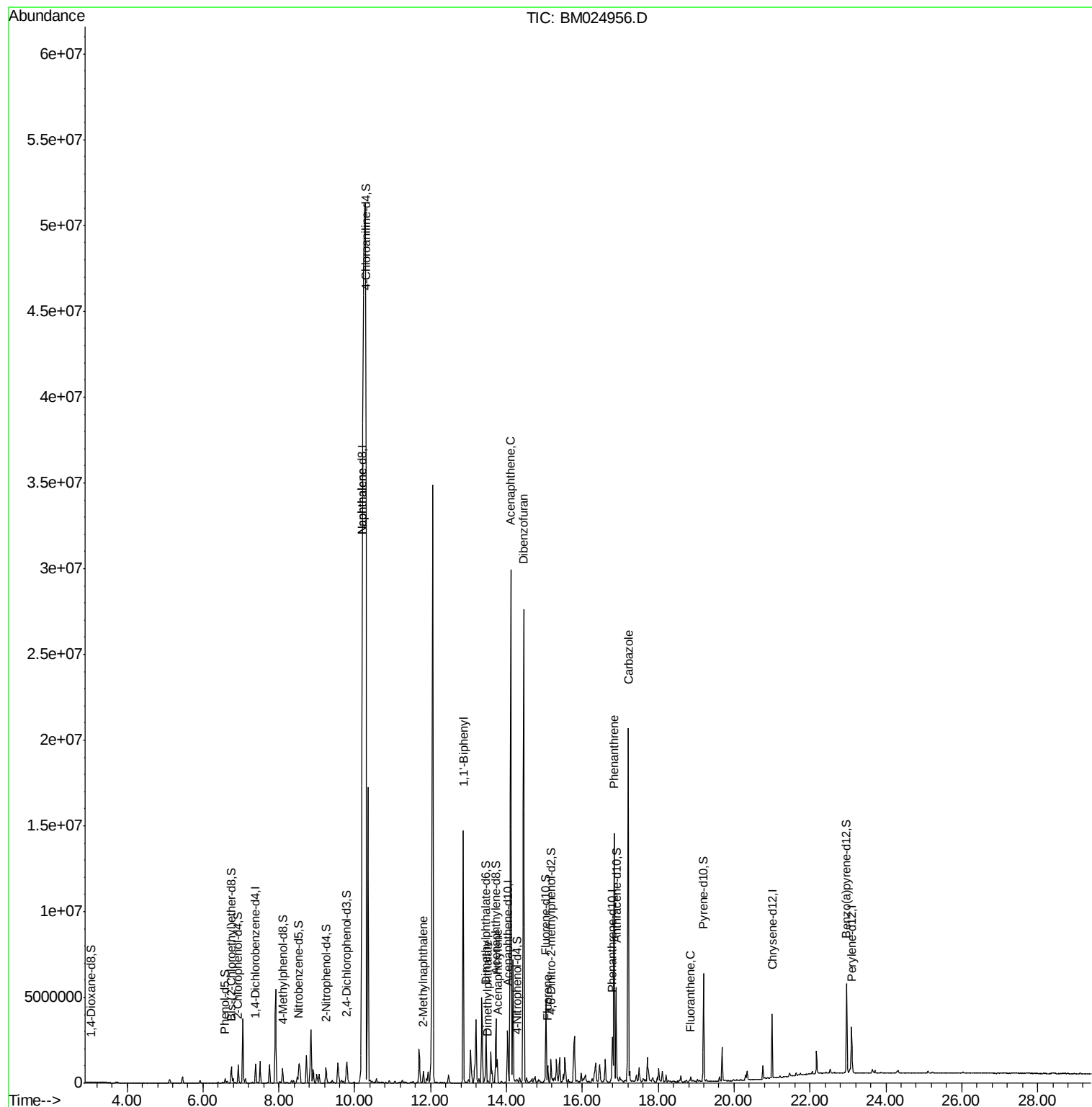
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

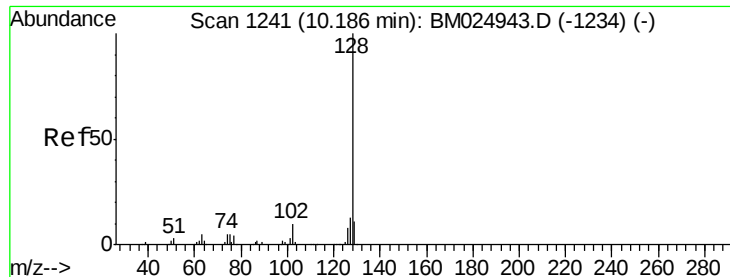
Instrument :
BNA_M
ClientSampleId :
DBCX4

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 19 03:36:08 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 1135.524 ng/ul m

RT: 10.19 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

ClientSampled :

DBCX4

Tot Ion:128 Resp:66207991

Ion Ratio Lower Upper

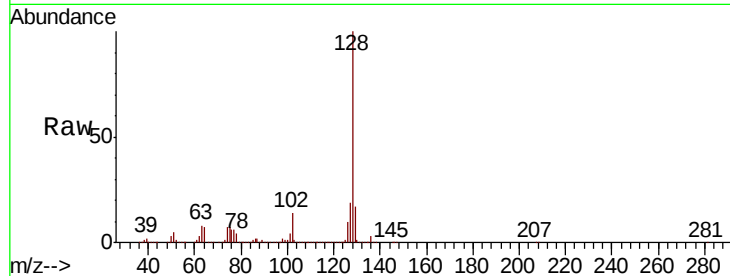
128 100

129 16.7 9.1 13.7#

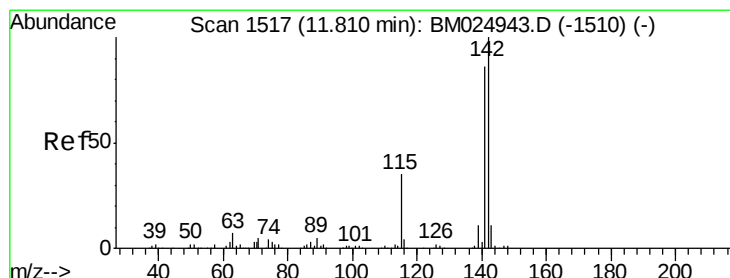
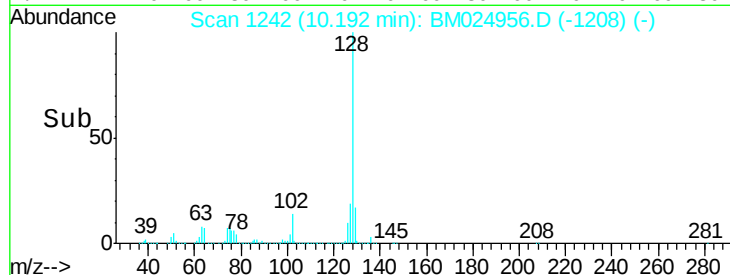
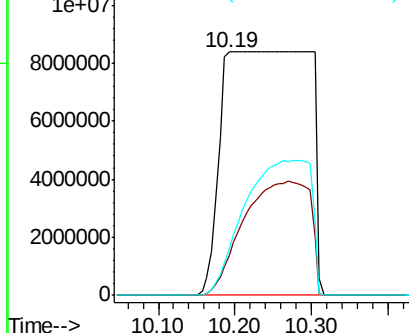
127 19.1 10.4 15.6#

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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



#34

2-Methylnaphthalene

Concen: 6.841 ng/ul

RT: 11.81 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BM024956.D

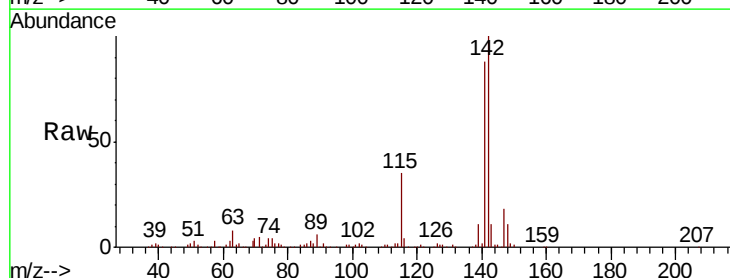
Acq: 19 Feb 2020 22:29

Tgt Ion:142 Resp: 293812

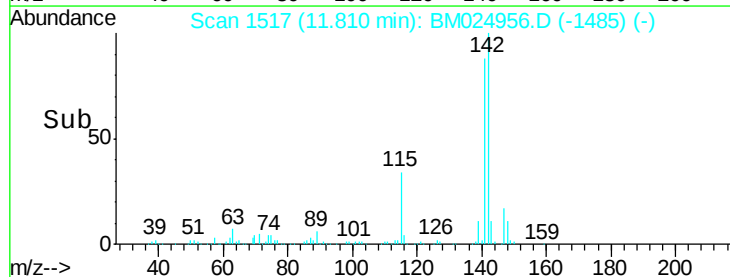
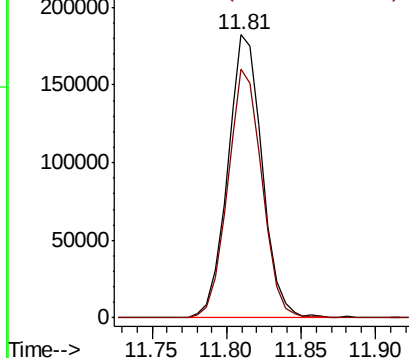
Ion Ratio Lower Upper

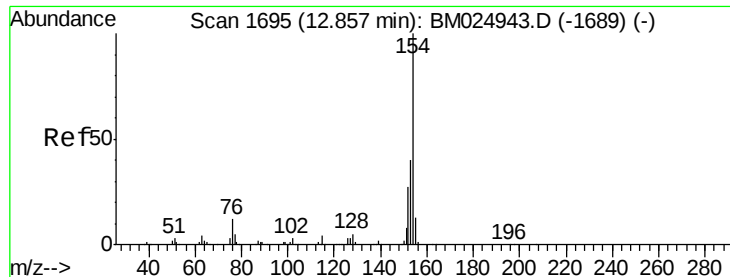
142 100

141 87.8 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





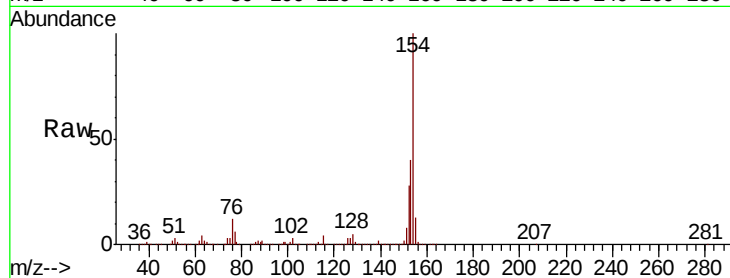
#41
 1,1'-Biphenyl
 Concen: 139.674 ng/ul
 RT: 12.86 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Instrument :
 BNA_M
 ClientSampleId :
 DBCX4

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	31.4	47.2
76	11.6	7.5	11.3#

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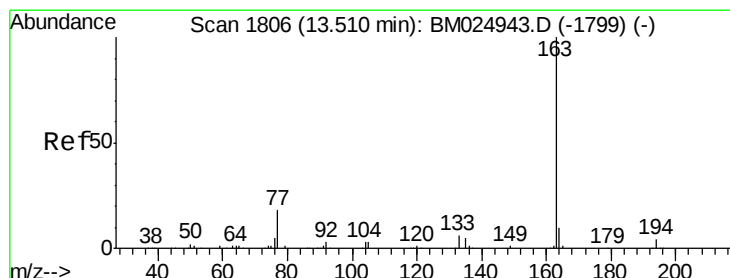
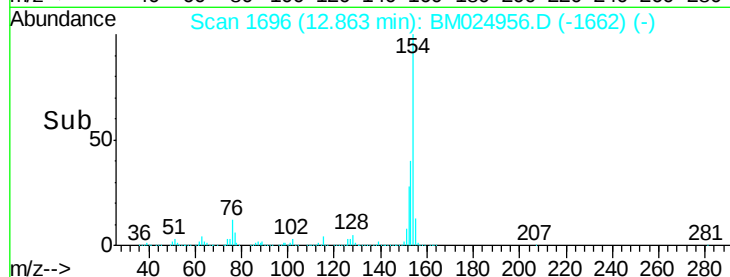
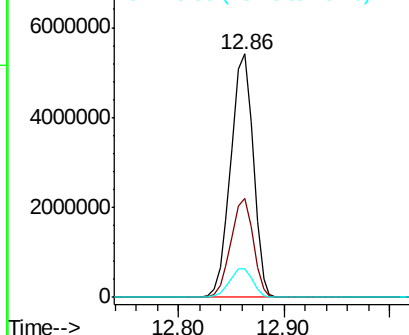


Abundance

Ion 154.00 (153.70 to 154.70): E

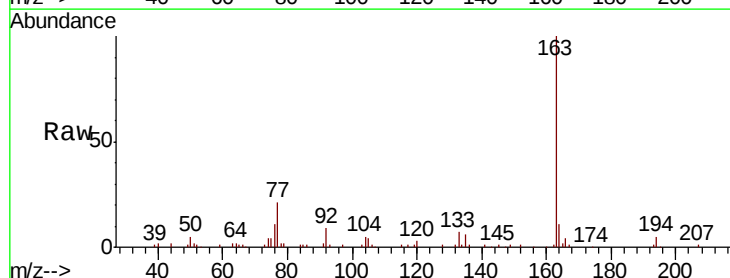
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM0



#45
 Dimethylphthalate
 Concen: 1.538 ng/ul
 RT: 13.51 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	10.6	8.2	12.2

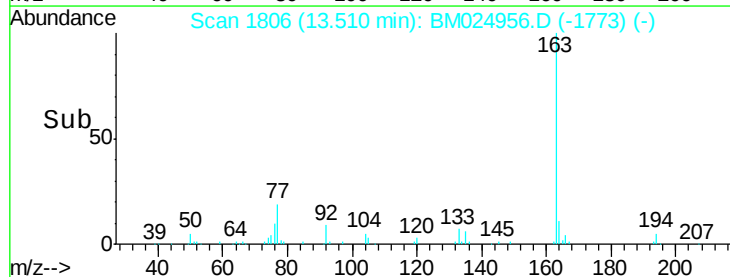
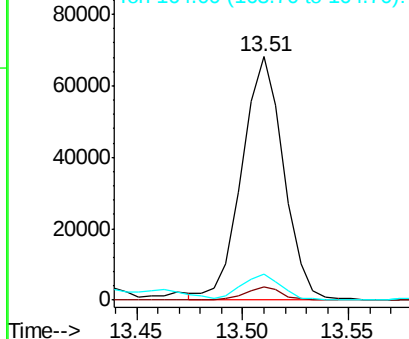


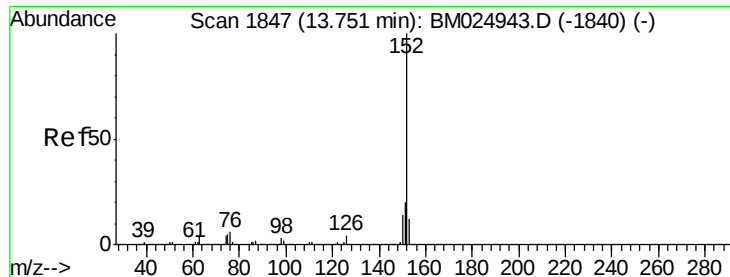
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 3.435 ng/ul

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

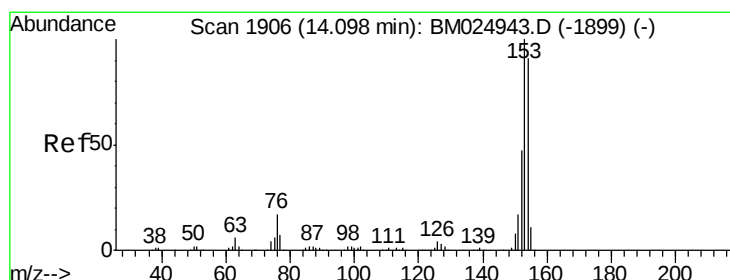
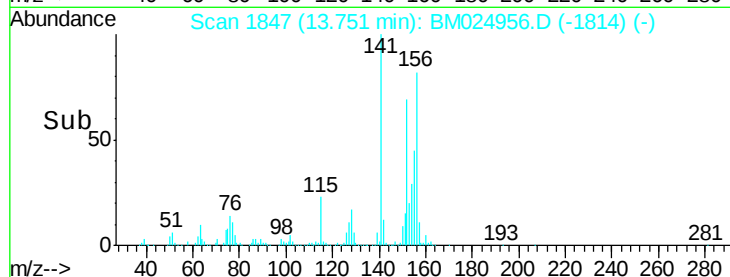
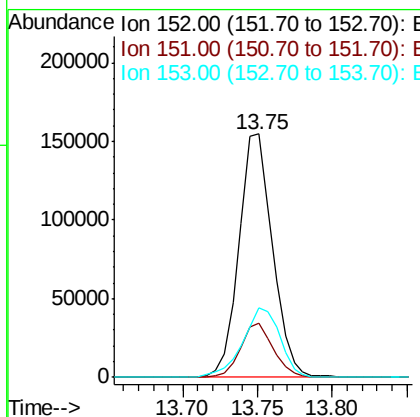
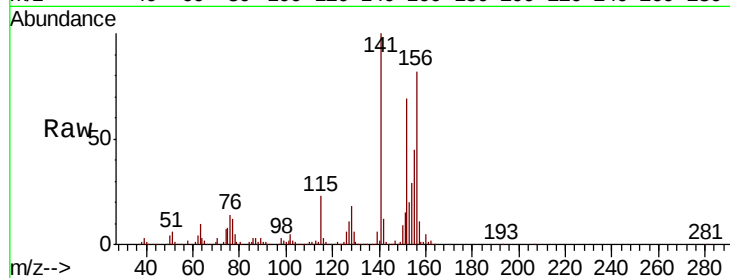
ClientSampleId :

DBCX4

Tot Ion:	152	Resp:	241745
Ion Ratio	Lower	Upper	
152	100		
151	22.1	15.1	22.7
153	28.8	10.1	15.1#

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#50

Acenaphthene

Concen: 272.825 ng/ul

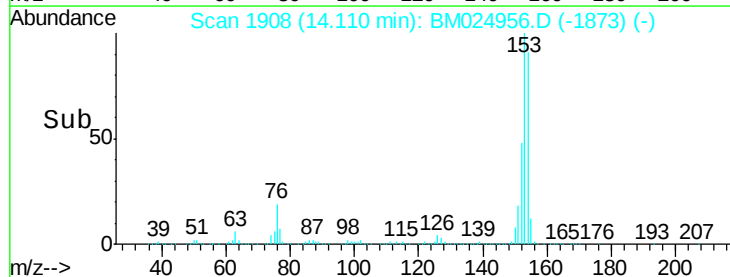
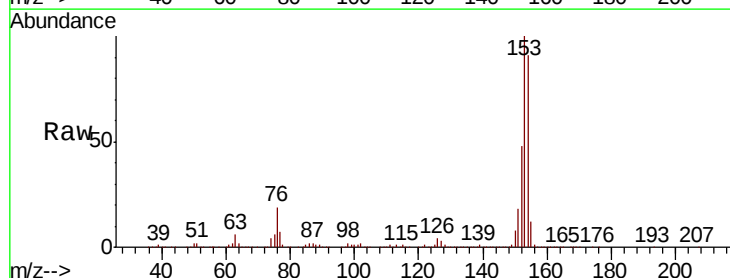
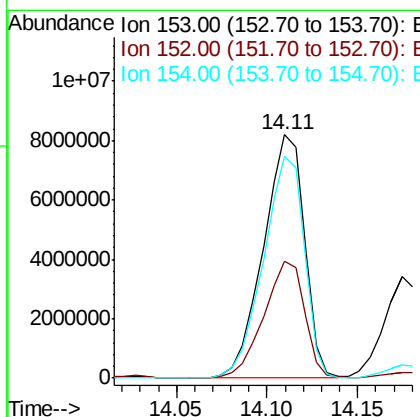
RT: 14.11 min Scan# 1908

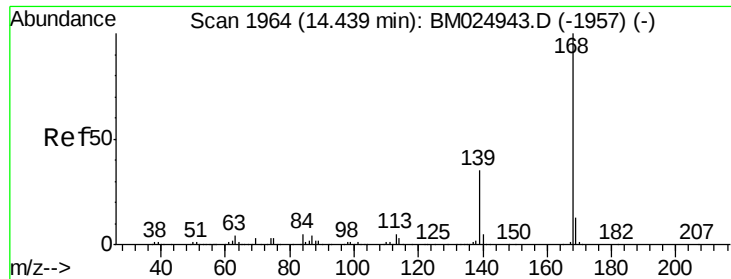
Delta R.T. 0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Tgt Ion:	153	Resp:	12966650
Ion Ratio	Lower	Upper	
153	100		
152	48.0	37.3	55.9
154	91.3	74.1	111.1





#54

Dibenzofuran

Concen: 229.386 ng/ul

RT: 14.44 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

Instrument :

BNA_M

ClientSampled :

DBCX4

Tot Ion:168 Resp:16251206

Ion Ratio Lower Upper

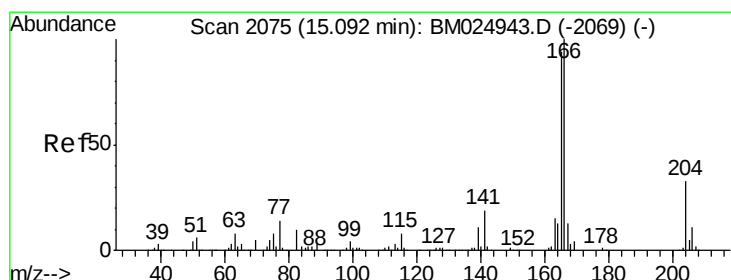
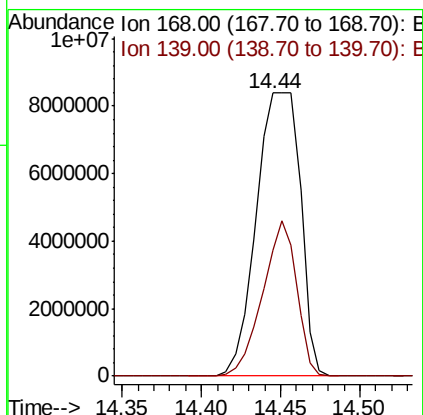
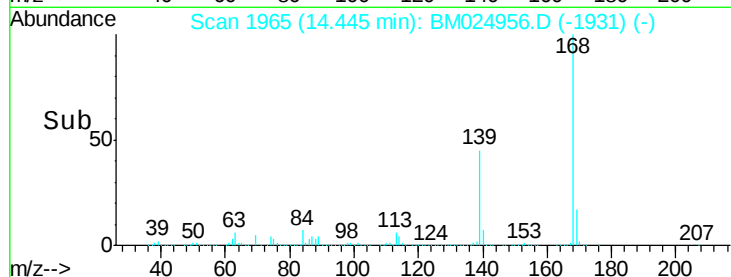
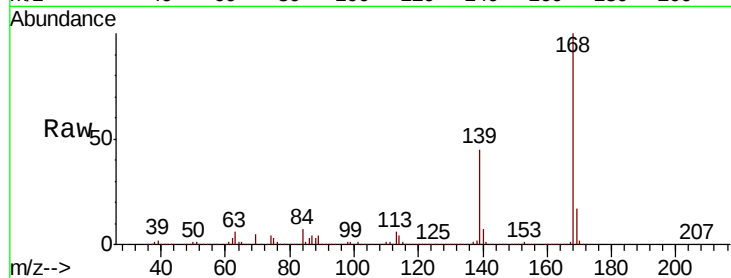
168 100

139 44.7 27.8 41.8#

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#59

Fluorene

Concen: 6.555 ng/ul

RT: 15.09 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BM024956.D

Acq: 19 Feb 2020 22:29

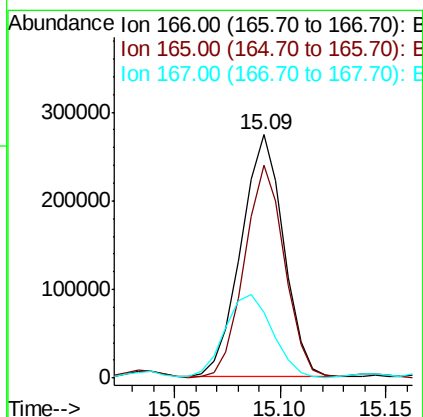
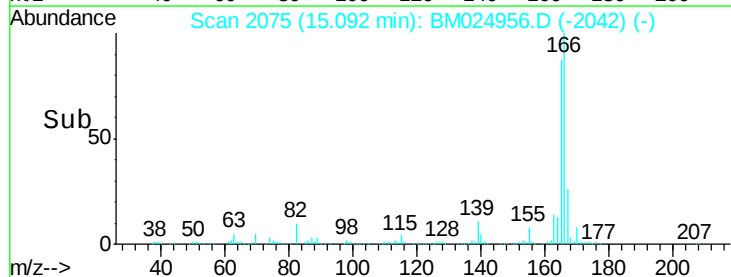
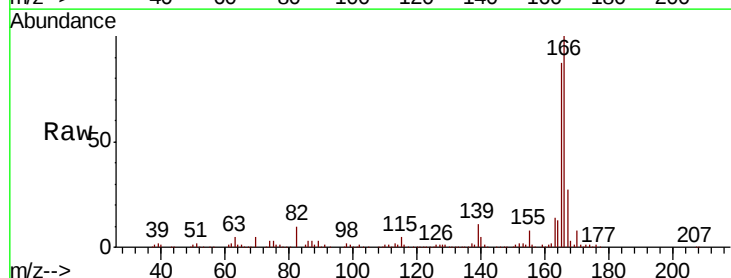
Tgt Ion:166 Resp: 382724

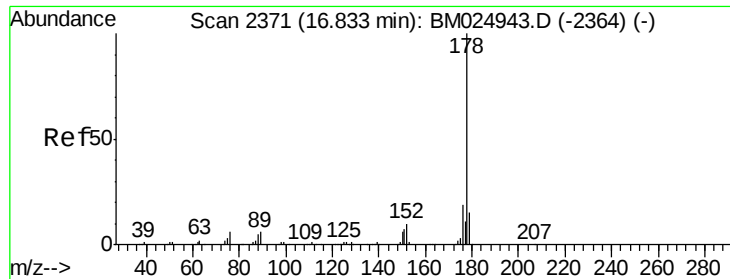
Ion Ratio Lower Upper

166 100

165 87.5 75.8 113.8

167 27.0 10.6 16.0#





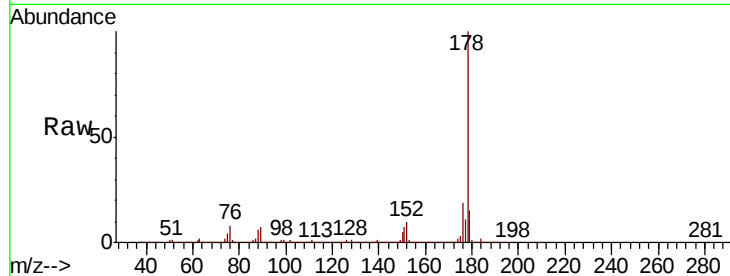
#70
Phenanthrene
Concen: 99.594 ng/ul
RT: 16.84 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BM024956.D
Acq: 19 Feb 2020 22:29

Instrument :
BNA_M
ClientSampleId :
DBCX4

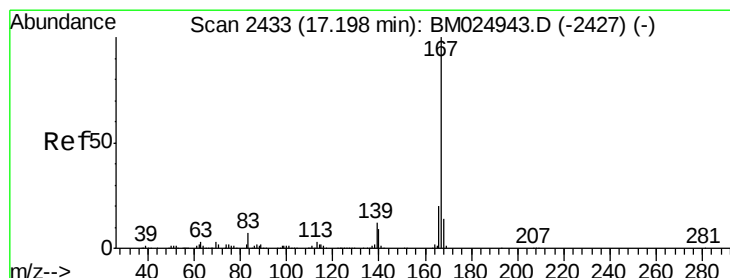
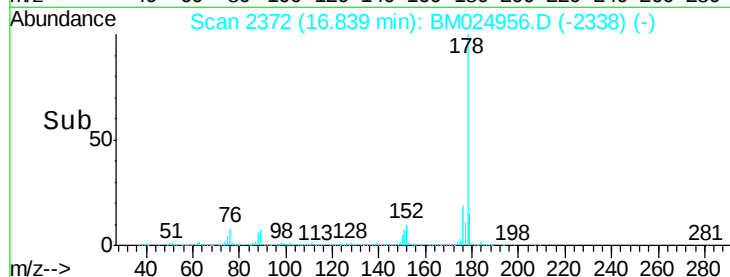
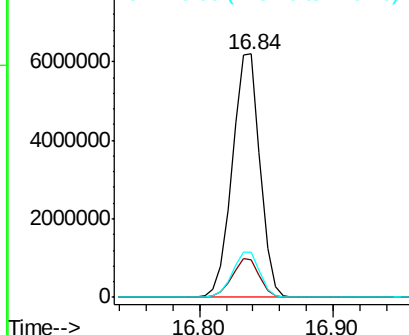
Tot Ion:178 Resp: 8937241
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 18.8 14.5 21.7

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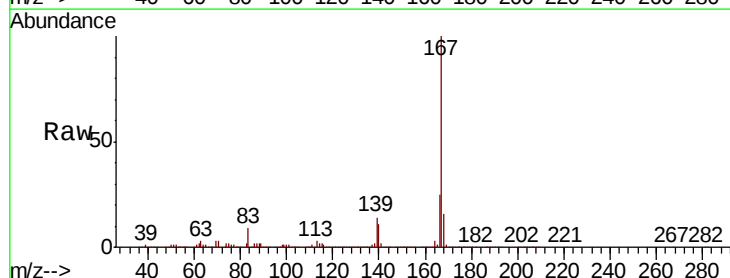


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

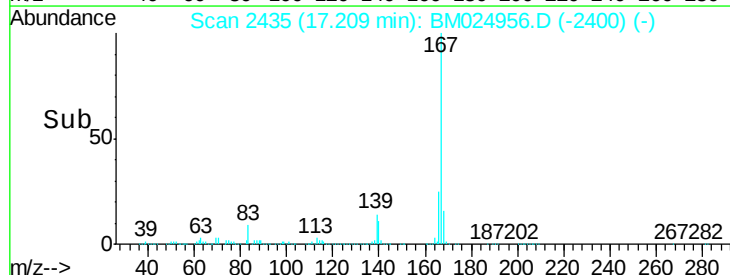
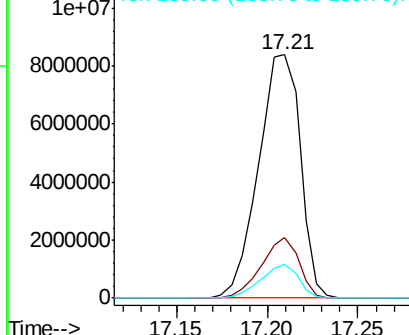


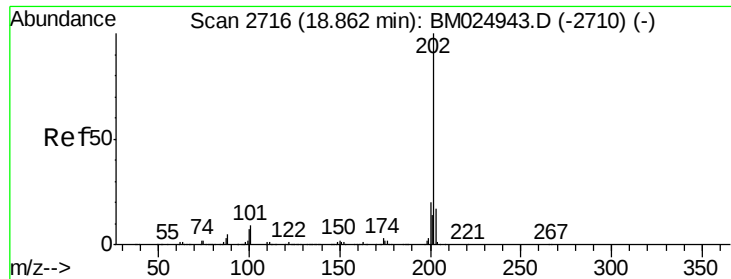
#75
Carbazole
Concen: 178.034 ng/ul
RT: 17.21 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BM024956.D
Acq: 19 Feb 2020 22:29

Tgt Ion:167 Resp:13498345
Ion Ratio Lower Upper
167 100
166 25.1 16.6 24.8#
139 13.9 9.3 13.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77
 Fluoranthene
 Concen: 1.319 ng/ul
 RT: 18.86 min Scan# 2715
 Delta R.T. -0.01 min
 Lab File: BM024956.D
 Acq: 19 Feb 2020 22:29

Instrument :
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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	6.1	9.1#
100	7.6	4.8	7.2#

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