

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\
 Data File : BM026749.D
 Acq On : 14 Jul 2020 12:54
 Operator : JU/CG
 Sample : PB130164BL
 Misc : PBBL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK64

Quant Time: Jul 14 13:26:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 14 10:31:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	55271	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	215201	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	130454	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.74	188	284988	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	313375	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	359651	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	14847	8.07	ng/uL	0.00
5) Phenol-d5	6.53	99	217955	43.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	143057	41.79	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	168929	43.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	166558	41.14	ng/ul	0.00
19) Nitrobenzene-d5	8.46	128	74163	43.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	81932	45.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	147047	41.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	183181	48.95	ng/ul	0.00
44) Dimethylphthalate-d6	13.41	166	448308	43.08	ng/ul	0.00
47) Acenaphthylene-d8	13.66	160	517768	41.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	53843	35.85	ng/ul	0.00
58) Fluorene-d10	14.98	176	382913	42.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.14	200	68196	38.30	ng/ul	0.00
71) Anthracene-d10	16.83	188	599318	42.70	ng/ul	0.00
79) Pyrene-d10	19.14	212	691287	42.45	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	835559	43.05	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	2.93	88	110	0.055	ng/uL# 15
4) Benzaldehyde	6.53	77	694	0.258	ng/ul# 8
8) Bis(2-Chloroethyl)ether	6.84	93	227	0.054	ng/ul# 1
15) N-Nitroso-di-n-propylamine	8.08	70	71	0.018	ng/ul# 1
20) Nitrobenzene	8.48	77	64	0.012	ng/ul# 45
45) Dimethylphthalate	13.40	163	277	0.025	ng/ul# 1
59) Fluorene	14.98	166	938	0.085	ng/ul# 7
61) 4-Nitroaniline	15.14	138	166	0.084	ng/ul# 1
64) 4,6-Dinitro-2-methylphenol	15.14	198	62	0.033	ng/ul# 1
65) N-Nitrosodiphenylamine	15.14	169	511	0.054	ng/ul# 41
70) Phenanthrene	16.83	178	134	0.008	ng/ul# 1
72) Anthracene	16.83	178	134	0.007	ng/ul# 1
80) Pyrene	19.14	202	826	0.037	ng/ul# 1
81) Butylbenzylphthalate	20.12	149	269	0.034	ng/ul# 17
83) Benzo(a)anthracene	20.94	228	72	0.003	ng/ul# 52
84) Bis(2-ethylhexyl)phthalate	20.89	149	68	0.006	ng/ul# 53
85) Chrysene	20.98	228	81	0.004	ng/ul# 50
87) Di-n-octyl phthalate	21.75	149	87	0.004	ng/ul 100
88) Benzo(b)fluoranthene	22.42	252	331	0.014	ng/ul# 8
89) Benzo(k)fluoranthene	22.46	252	415	0.017	ng/ul# 1
91) Benzo(a)pyrene	22.93	252	232	0.011	ng/ul# 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 14 10:31:32 2020
Response via : Initial Calibration

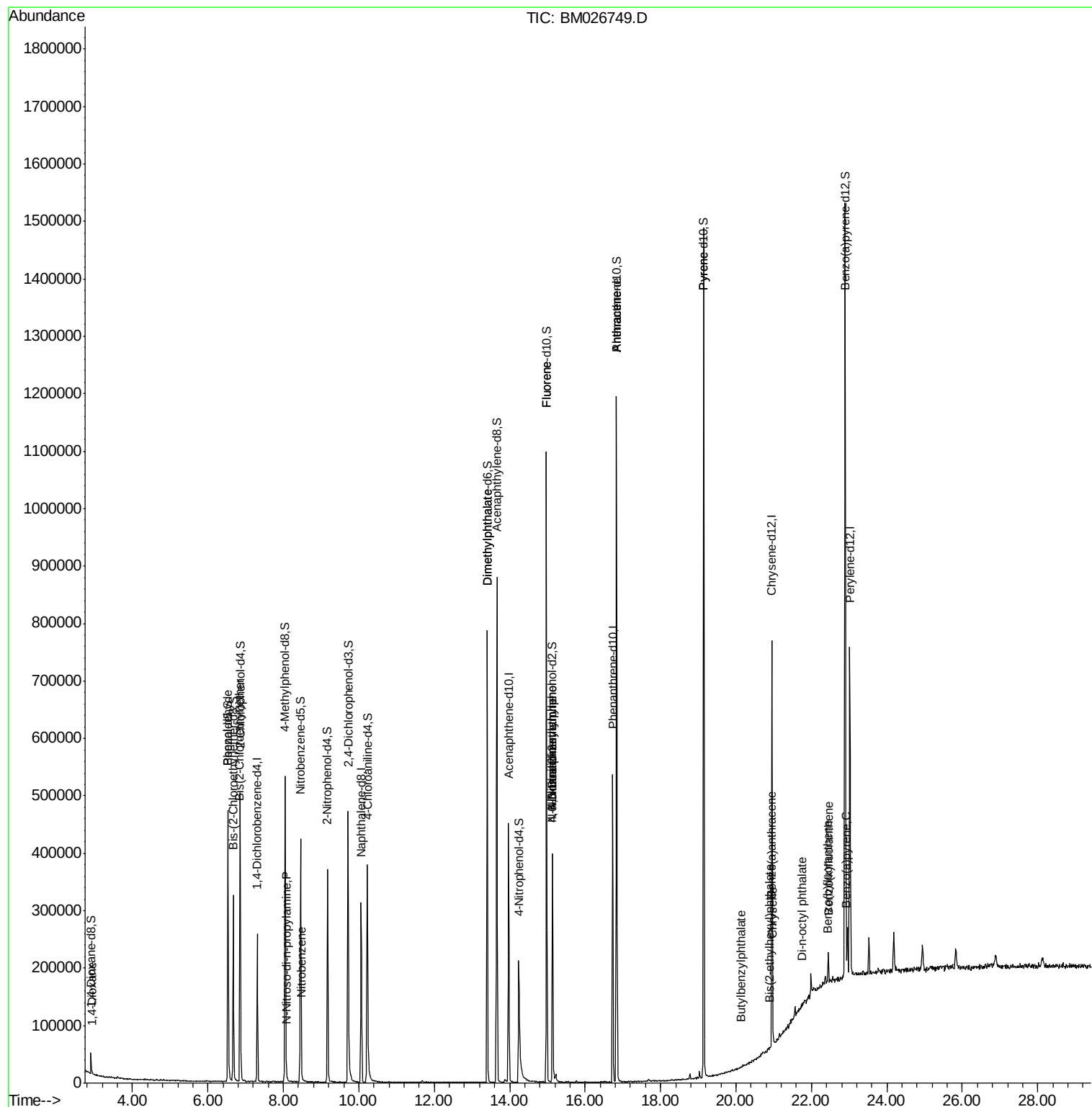
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

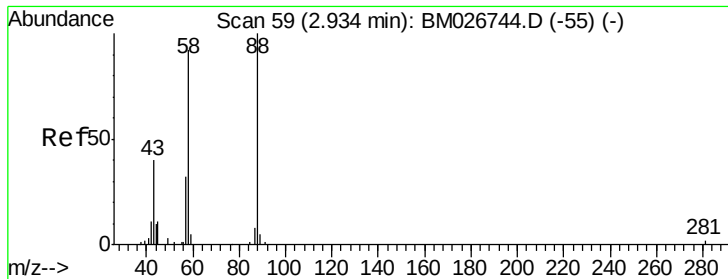
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : SVOA CALIBRATION
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#2

1,4-Dioxane

Concen: 0.055 ng/uL

RT: 2.93 min Scan# 33

Delta R.T. -0.00 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

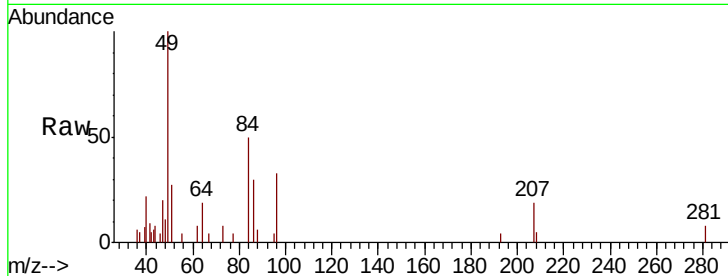
Tot Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 94.7 38.2 57.2#

58 0.0 68.9 103.3#

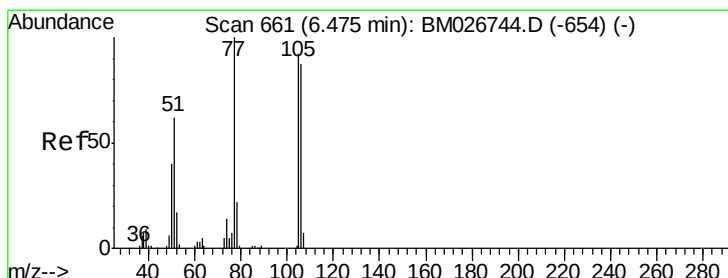
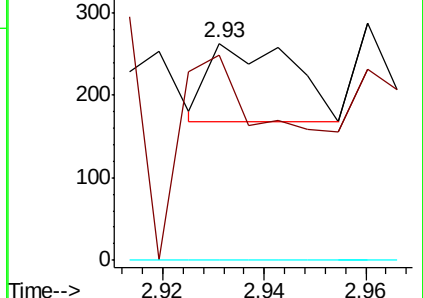
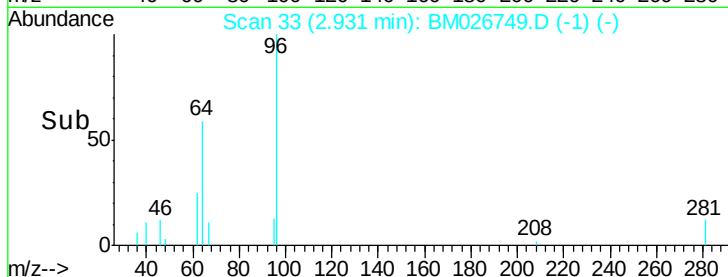


Abundance Ion 88.00 (87.70 to 88.70): BM026749.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM026749.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM026749.D (-1) (-)

Time-->



#4

Benzaldehyde

Concen: 0.258 ng/uL

RT: 6.53 min Scan# 645

Delta R.T. 0.06 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

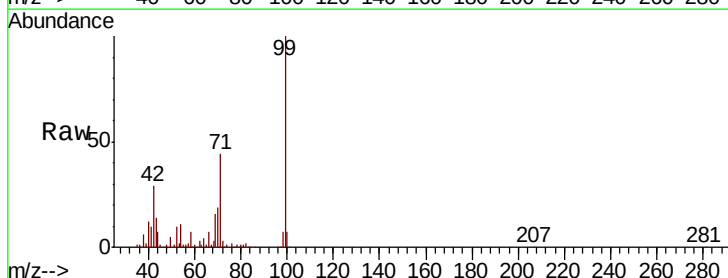
Tgt Ion: 77 Resp: 694

Ion Ratio Lower Upper

77 100

105 0.0 67.5 101.3#

106 0.0 66.2 99.4#

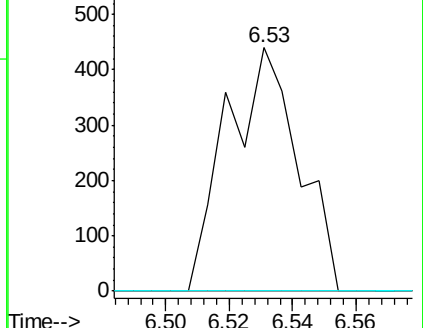
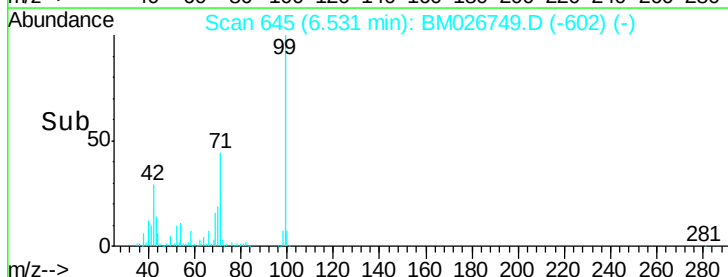


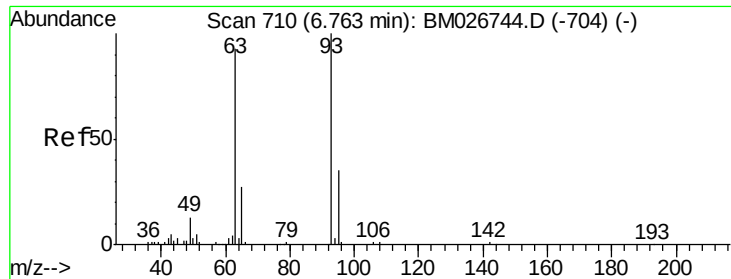
Abundance Ion 77.00 (76.70 to 77.70): BM026749.D (-602) (-)

Ion 105.00 (104.70 to 105.70): BM026749.D (-602) (-)

Ion 106.00 (105.70 to 106.70): BM026749.D (-602) (-)

Time-->



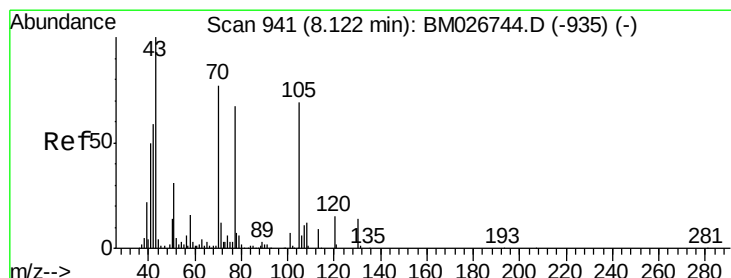
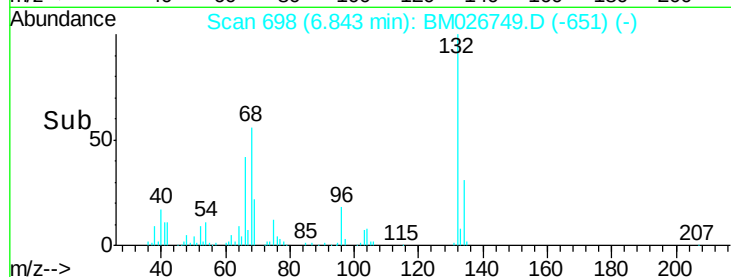
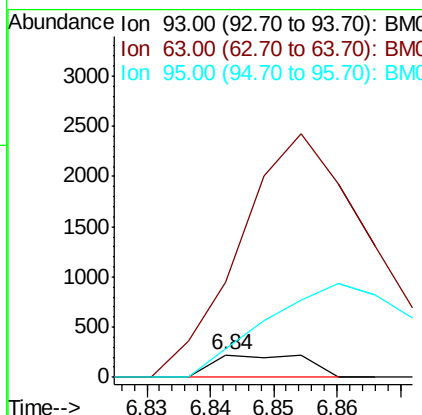
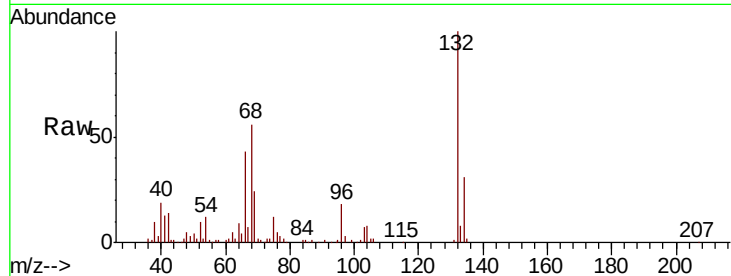


#8

Bis(2-Chloroethyl)ether
 Concen: 0.054 ng/ul
 RT: 6.84 min Scan# 698
 Delta R.T. 0.08 min
 Lab File: BM026749.D
 Acq: 14 Jul 2020 12:54

Instrument :
 BNA_M
 ClientSampleId :
 SBLK64

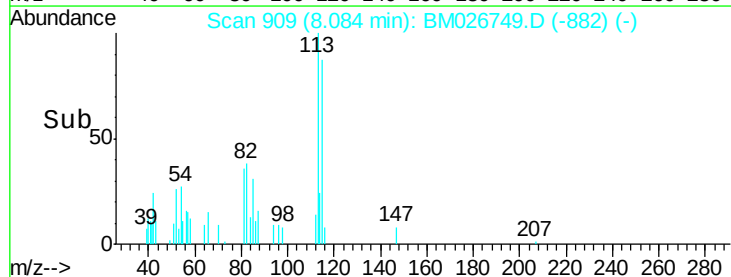
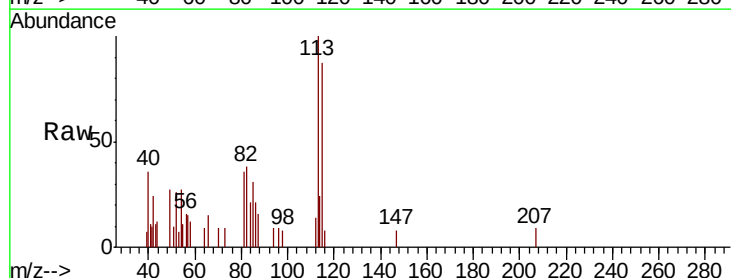
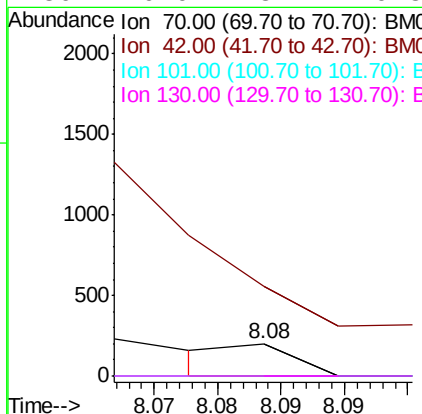
Tot Ion: 93 Resp: 227
 Ion Ratio Lower Upper
 93 100
 63 419.6 75.5 113.3#
 95 125.8 25.2 37.8#

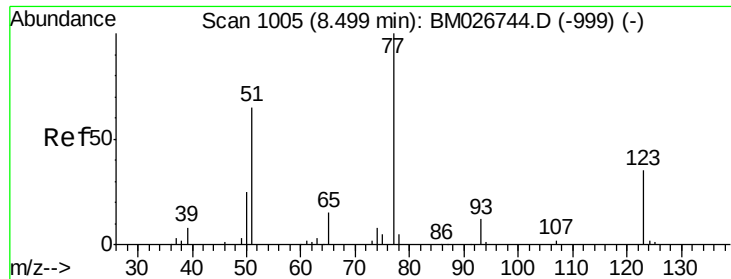


#15

N-Nitroso-di-n-propylamine
 Concen: 0.018 ng/ul
 RT: 8.08 min Scan# 909
 Delta R.T. -0.04 min
 Lab File: BM026749.D
 Acq: 14 Jul 2020 12:54

Tgt Ion: 70 Resp: 71
 Ion Ratio Lower Upper
 70 100
 42 277.2 58.5 87.7#
 101 0.0 7.0 10.4#
 130 0.0 13.2 19.8#

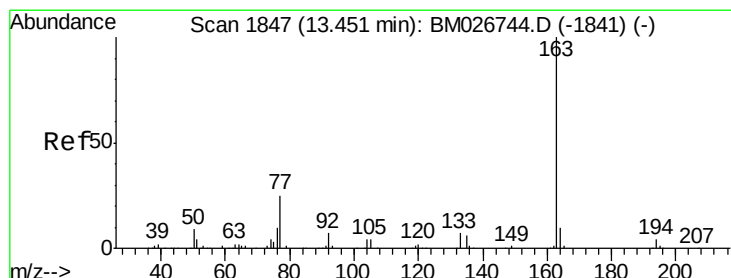
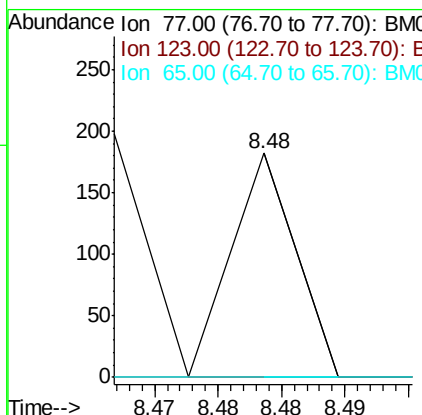
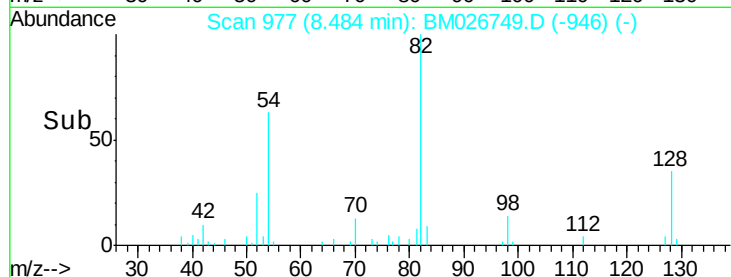
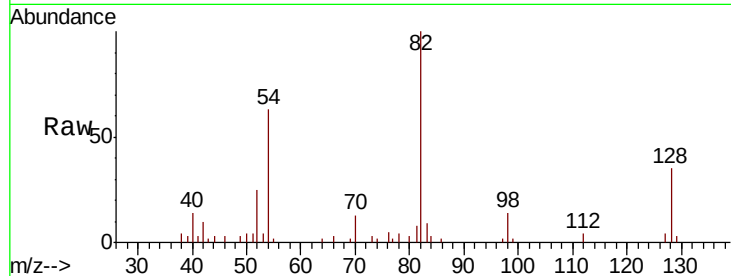




#20
Nitrobenzene
Concen: 0.012 ng/ul
RT: 8.48 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM026749.D
Acq: 14 Jul 2020 12:54

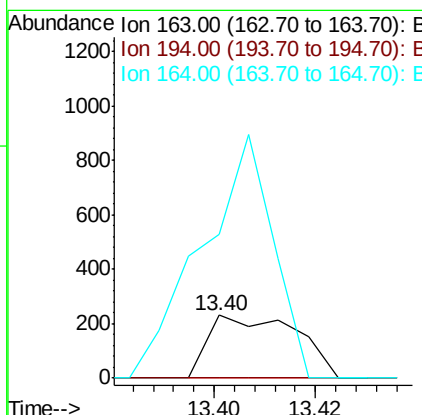
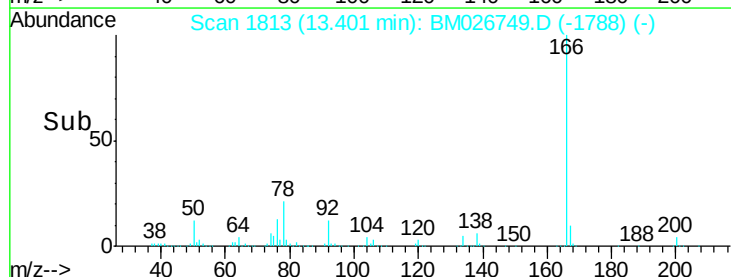
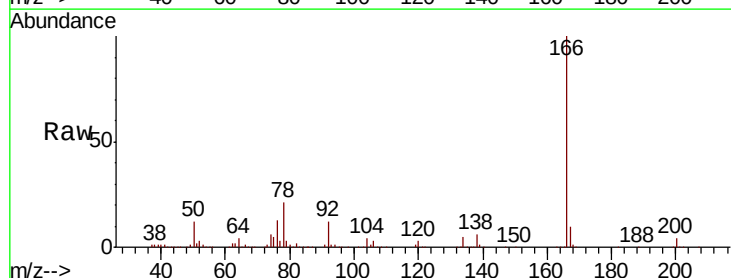
Instrument :
BNA_M
ClientSampleId :
SBLK64

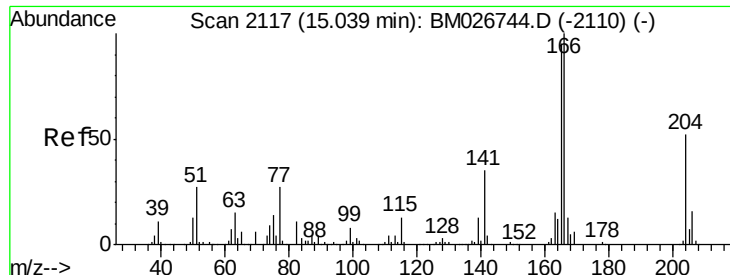
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.8	44.8#
65	0.0	11.8	17.6#



#45
Dimethylphthalate
Concen: 0.025 ng/ul
RT: 13.40 min Scan# 1813
Delta R.T. -0.05 min
Lab File: BM026749.D
Acq: 14 Jul 2020 12:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.5	5.3#
164	227.6	7.8	11.6#





#59

Fluorene

Concen: 0.085 ng/ul

RT: 14.98 min Scan# 2081

Delta R.T. -0.06 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

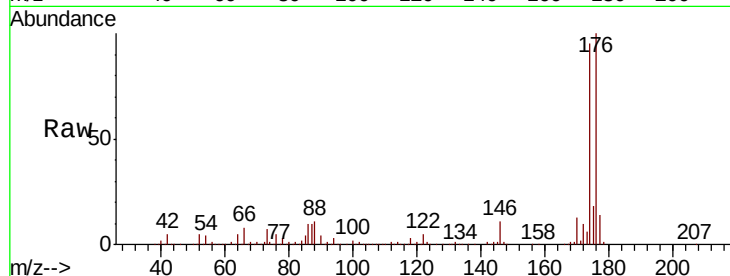
Tot Ion:166 Resp: 938

Ion Ratio Lower Upper

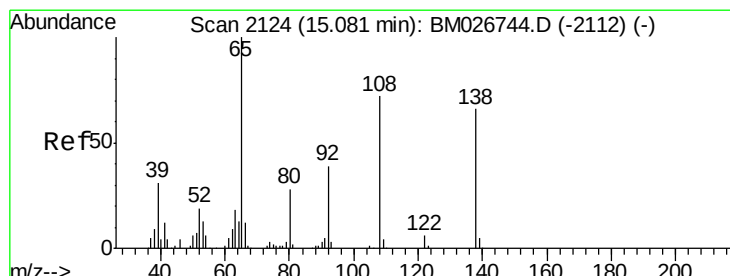
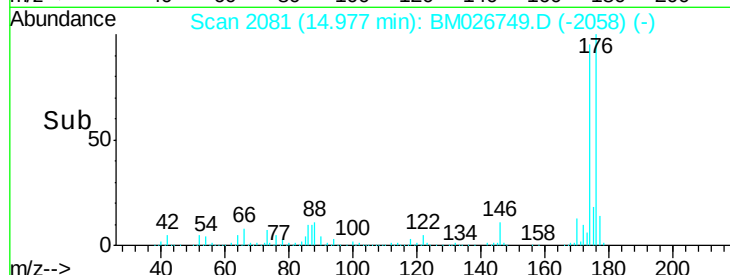
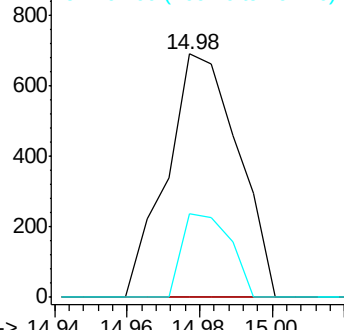
166 100

165 0.0 77.0 115.4#

167 34.5 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 0.084 ng/ul

RT: 15.14 min Scan# 2108

Delta R.T. 0.06 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

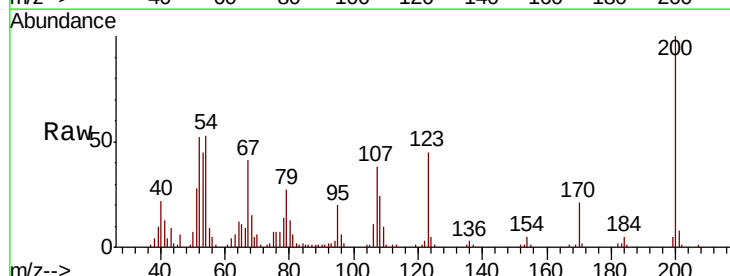
Tgt Ion:138 Resp: 166

Ion Ratio Lower Upper

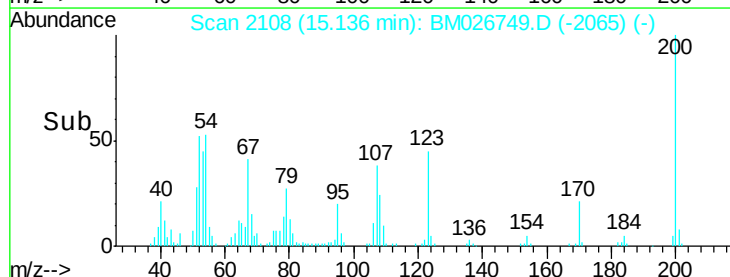
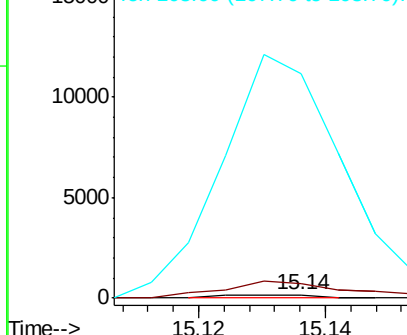
138 100

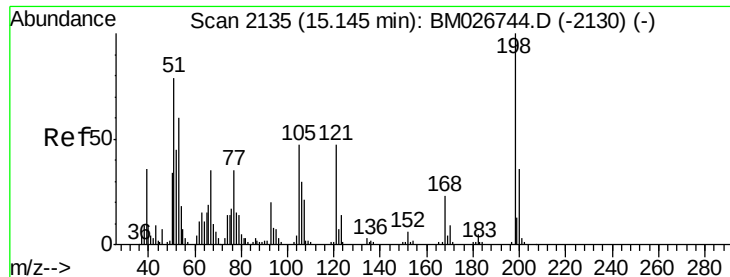
92 448.5 47.7 71.5#

108 6849.1 82.6 123.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 0.033 ng/ul

RT: 15.14 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

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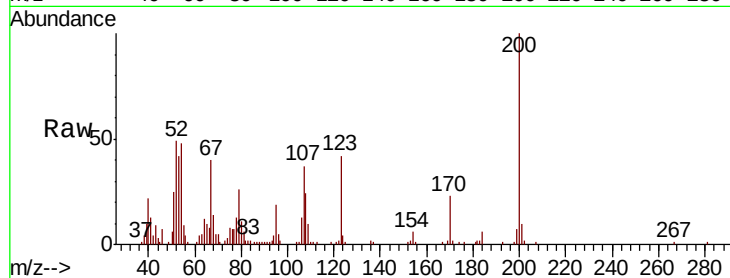
Tot Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

182 388.1 4.0 6.0#

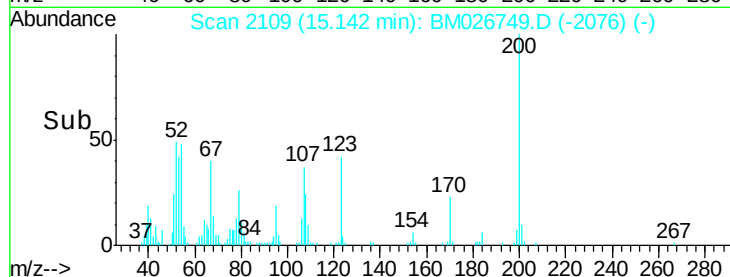
77 1156.3 26.7 40.1#



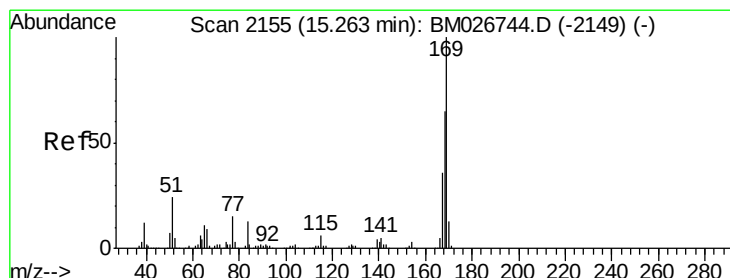
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E



Time-->



#65

N-Nitrosodiphenylamine

Concen: 0.054 ng/ul

RT: 15.14 min Scan# 2109

Delta R.T. -0.12 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

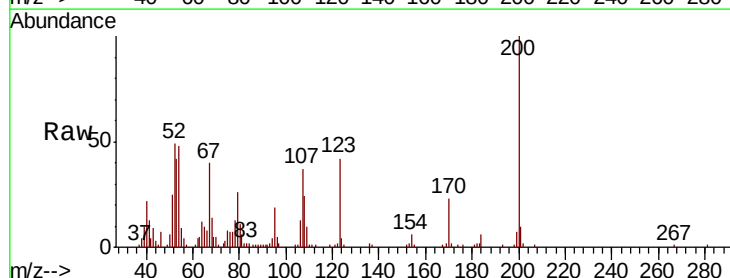
Tgt Ion:169 Resp: 511

Ion Ratio Lower Upper

169 100

168 0.0 51.7 77.5#

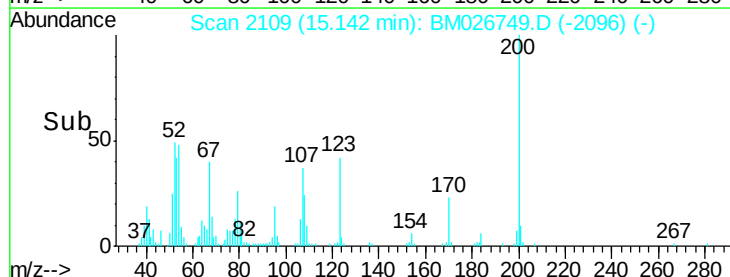
167 45.4 28.4 42.6#



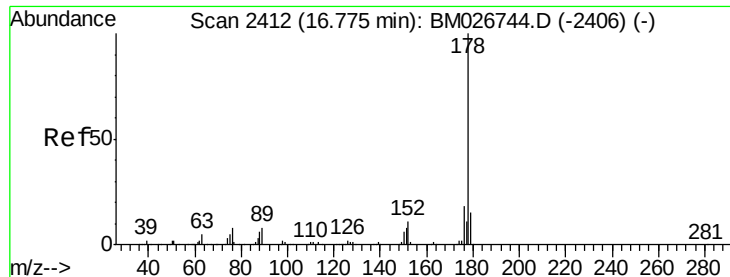
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#70

Phenanthrene

Concen: 0.008 ng/ul

RT: 16.83 min Scan# 2396

Delta R.T. 0.06 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

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SBLK64

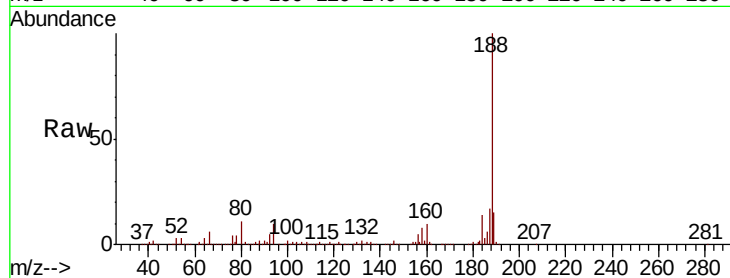
Tot Ion:178 Resp: 134

Ion Ratio Lower Upper

178 100

179 133.2 12.4 18.6#

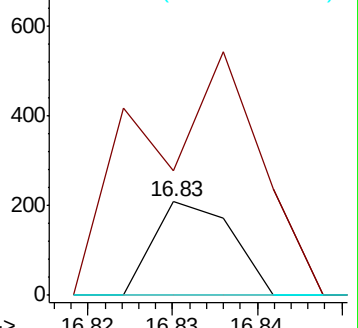
176 0.0 14.3 21.5#



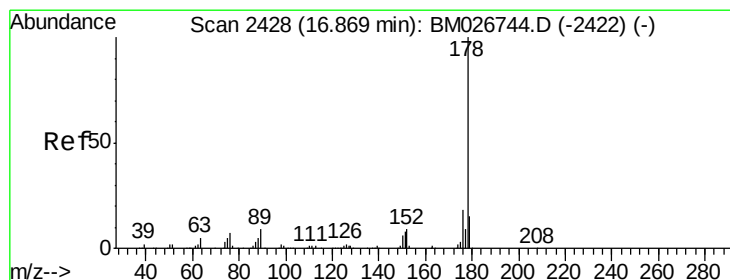
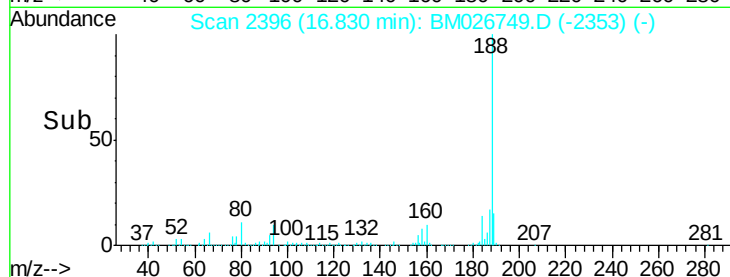
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 0.007 ng/ul

RT: 16.83 min Scan# 2396

Delta R.T. -0.04 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

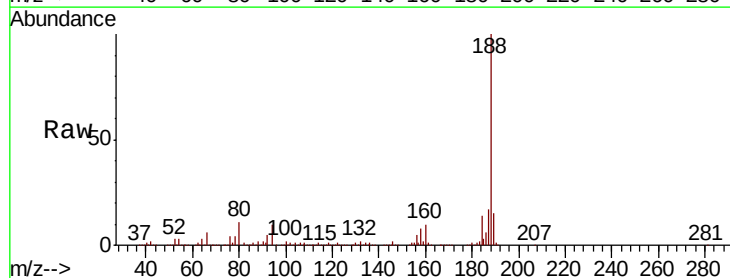
Tgt Ion:178 Resp: 134

Ion Ratio Lower Upper

178 100

179 133.2 11.8 17.6#

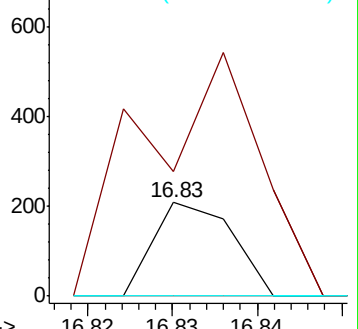
176 0.0 14.7 22.1#



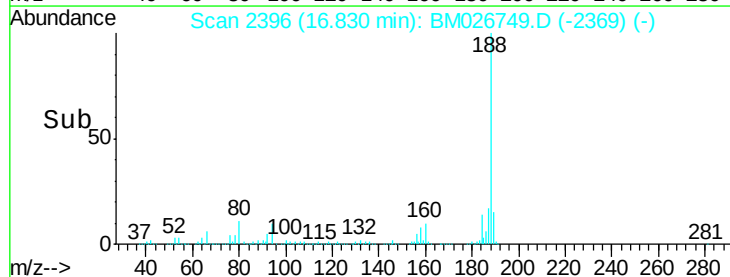
Abundance Ion 178.00 (177.70 to 178.70): E

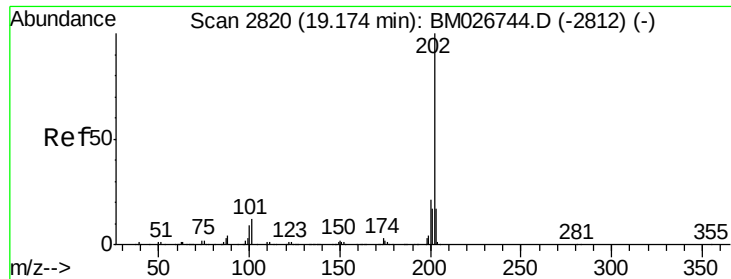
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#80

Pvrene

Concen: 0.037 ng/ul

RT: 19.14 min Scan# 2789

Delta R.T. -0.03 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampled :

SBLK64

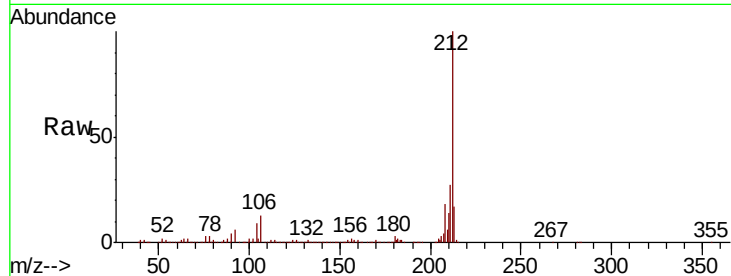
Tot Ion:202 Resp: 826

Ion Ratio Lower Upper

202 100

101 234.1 9.4 14.2#

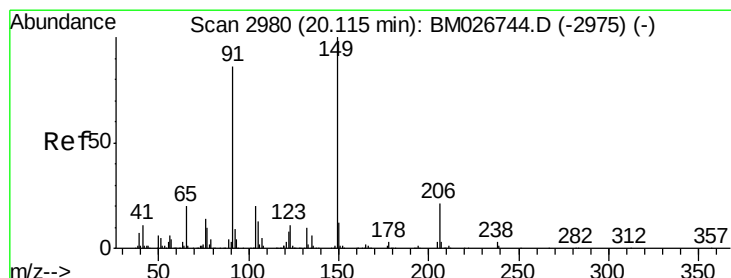
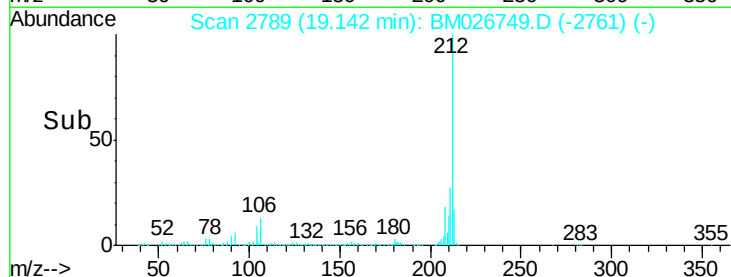
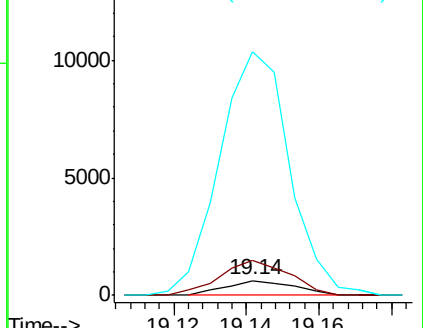
100 1626.5 8.0 12.0#



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): B



#81

Butylbenzylphthalate

Concen: 0.034 ng/ul

RT: 20.12 min Scan# 2956

Delta R.T. 0.01 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

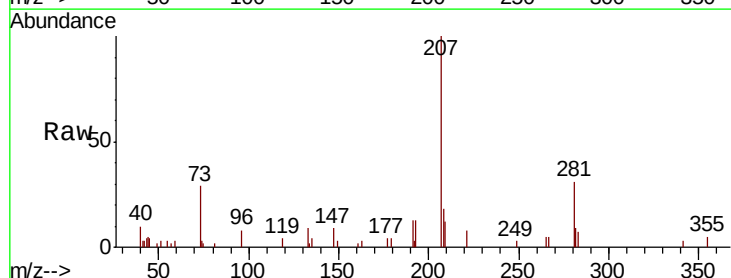
Tgt Ion:149 Resp: 269

Ion Ratio Lower Upper

149 100

91 0.0 66.4 99.6#

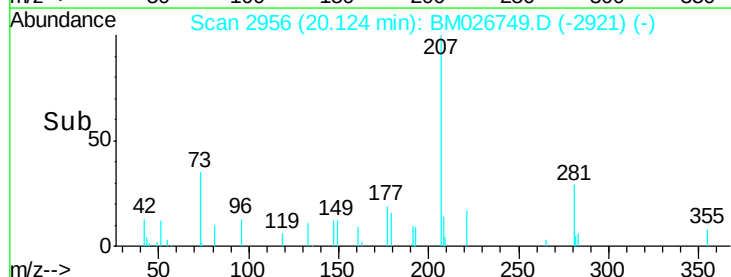
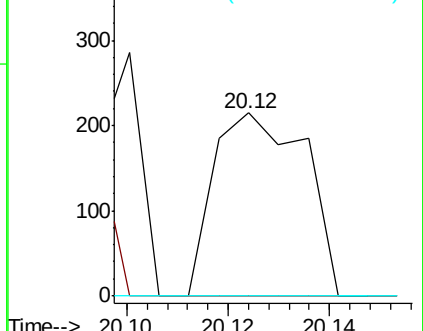
206 0.0 16.3 24.5#

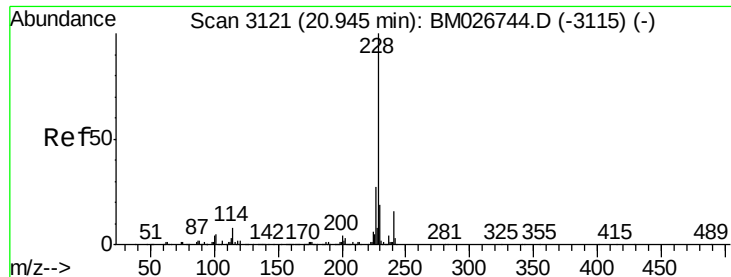


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 0.003 ng/ul

RT: 20.94 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

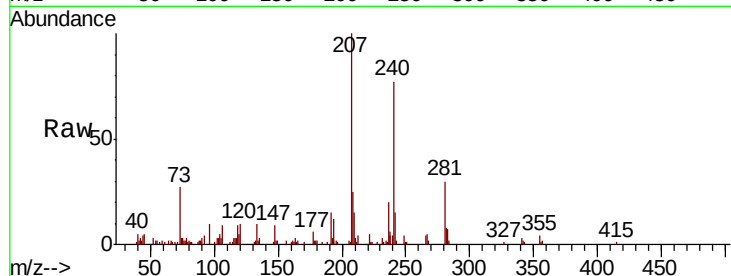
Tot Ion:228 Resp: 72

Ion Ratio Lower Upper

228 100

229 0.0 15.4 23.0#

226 0.0 21.2 31.8#



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

600

500

400

300

200

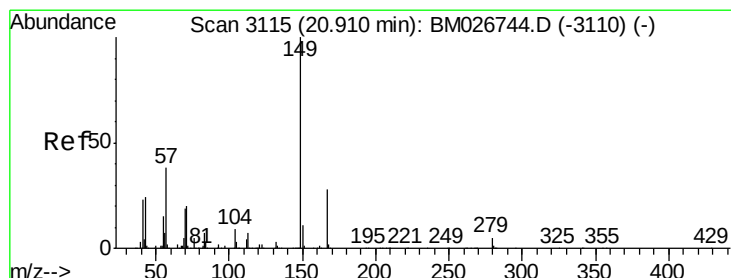
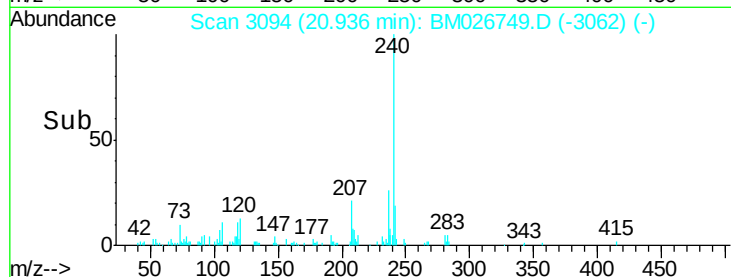
100

0

20.93

20.94

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.006 ng/ul

RT: 20.89 min Scan# 3087

Delta R.T. -0.02 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

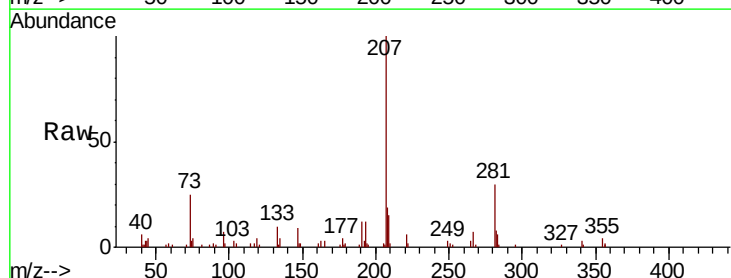
Tgt Ion:149 Resp: 68

Ion Ratio Lower Upper

149 100

167 0.0 22.1 33.1#

279 0.0 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

500

400

300

200

100

0

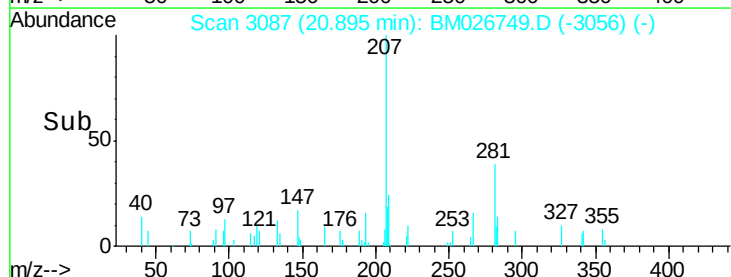
20.88

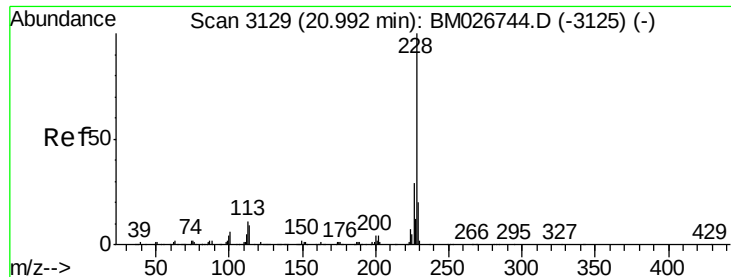
20.89

20.90

20.91

Time-->





#85

Chrysene

Concen: 0.004 ng/ul

RT: 20.98 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

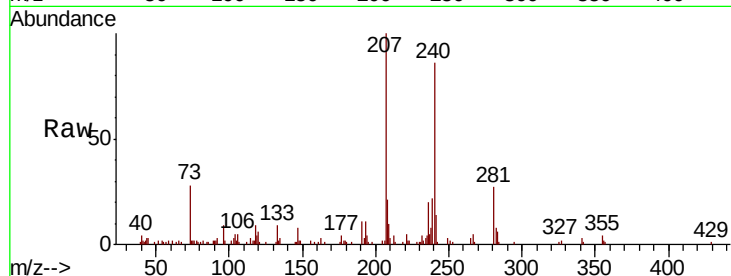
Tot Ion:228 Resp: 81

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

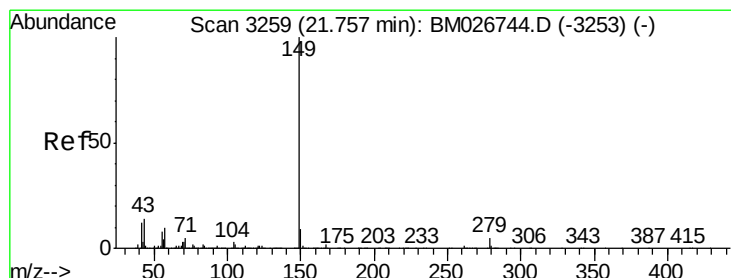
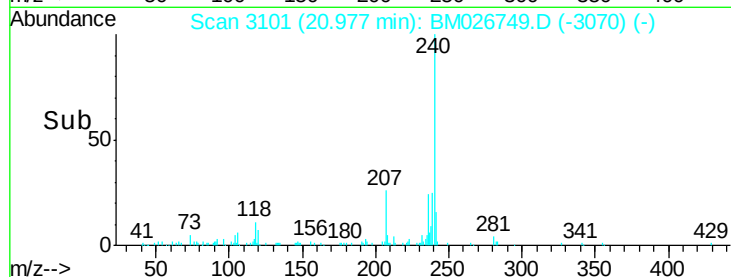
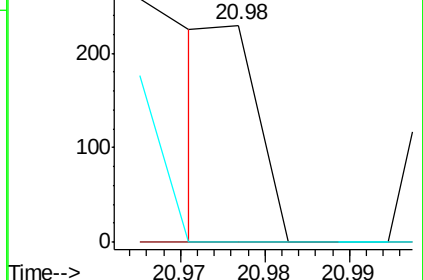
229 0.0 15.5 23.3#



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



#87

Di-n-octyl phthalate

Concen: 0.004 ng/ul

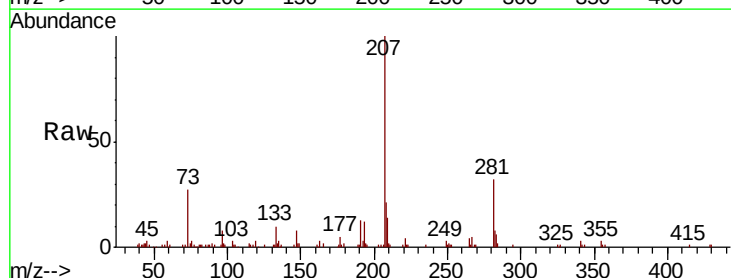
RT: 21.75 min Scan# 3232

Delta R.T. -0.01 min

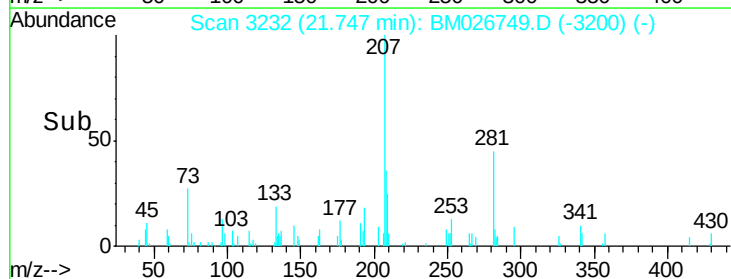
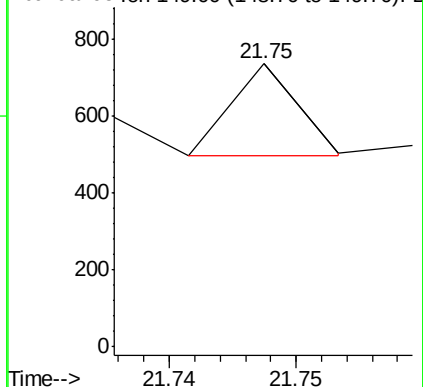
Lab File: BM026749.D

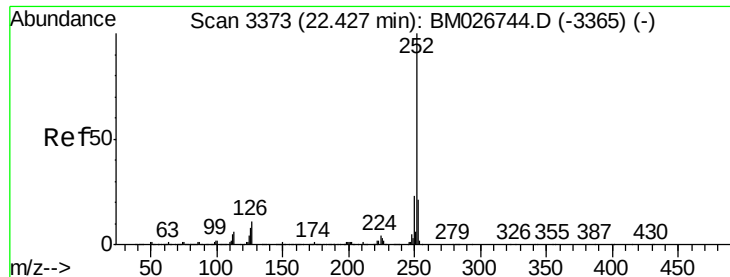
Acq: 14 Jul 2020 12:54

Tgt Ion:149 Resp: 87



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 0.014 ng/ul

RT: 22.42 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

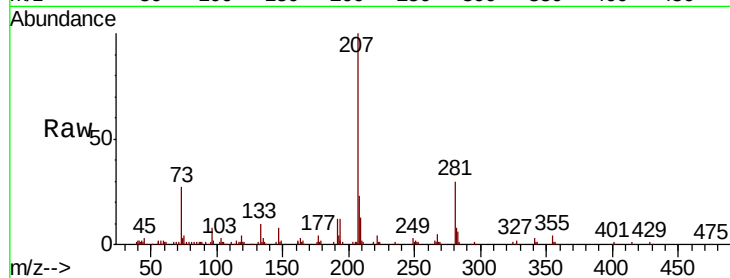
Tot Ion:252 Resp: 331

Ion Ratio Lower Upper

252 100

253 65.9 17.2 25.8#

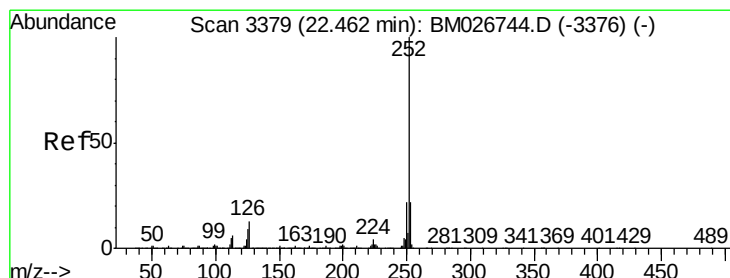
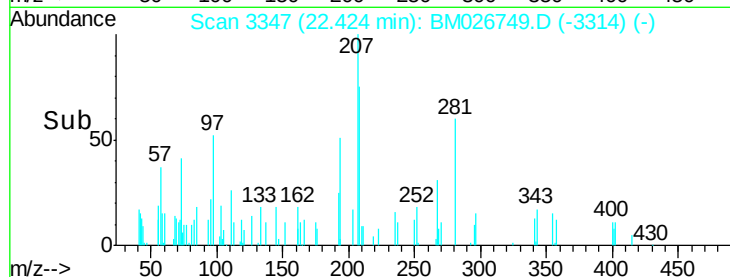
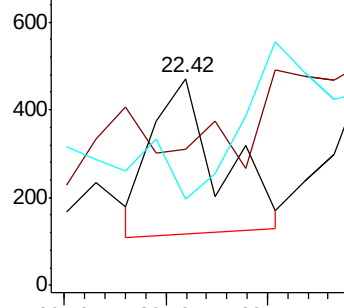
125 41.3 7.6 11.4#



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: 0.017 ng/ul

RT: 22.46 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

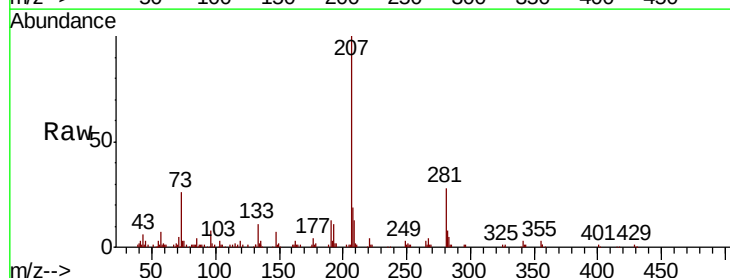
Tgt Ion:252 Resp: 415

Ion Ratio Lower Upper

252 100

253 103.9 17.1 25.7#

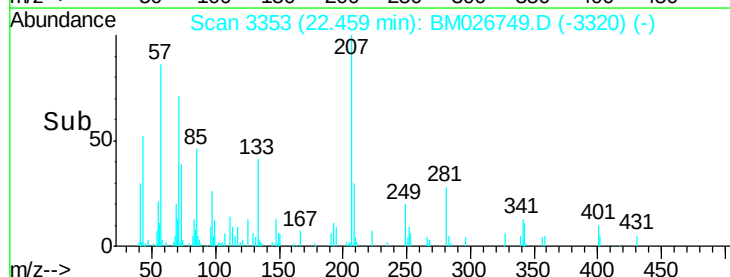
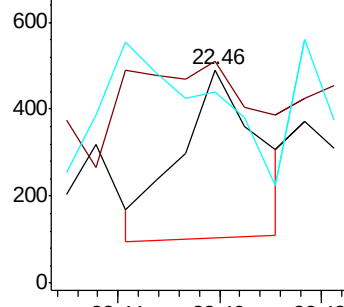
125 89.8 7.7 11.5#

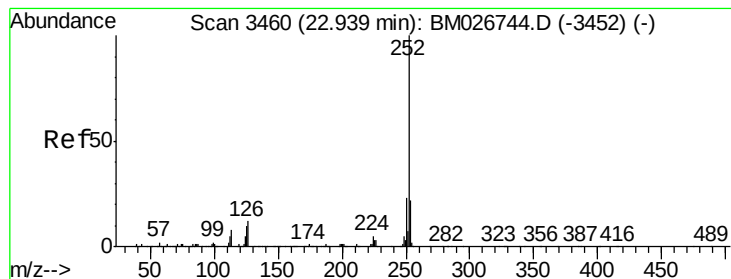


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 0.011 ng/ul

RT: 22.93 min Scan# 3433

Delta R.T. -0.01 min

Lab File: BM026749.D

Acq: 14 Jul 2020 12:54

Instrument :

BNA_M

ClientSampleId :

SBLK64

Tot Ion:252 Resp: 232

Ion Ratio Lower Upper

252 100

253 89.1 17.4 26.0#

125 115.4 7.5 11.3#

