

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
 Data File : BM025588.D
 Acq On : 16 Mar 2020 19:56
 Operator : CG/JU
 Sample : L1921-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 01:31:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 17 01:28:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	9877	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	41921	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	25613	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	53327	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	55261	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	65753	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	13583	57.70	ng/uL	0.00
5) Phenol-d5	6.82	99	266833	342.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	166108	373.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	227080	358.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	216342	337.77	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	114439	367.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	119557	360.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	225511	332.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	301278	383.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	751786	386.21	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	878690	376.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	113659	306.67	ng/ul	0.00
58) Fluorene-d10	15.26	176	648933	379.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	94240	289.65	ng/ul	0.00
71) Anthracene-d10	17.11	188	990820	397.79	ng/ul	0.00
79) Pyrene-d10	19.41	212	1156290	435.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	1415614	420.51	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.25	88	491	1.937	ng/uL#	25
4) Benzaldehyde	6.79	77	16665	40.364	ng/ul	93
6) Phenol	6.84	94	10000	12.285	ng/ul#	87
12) 2,2'-oxybis(1-Chloropropan	8.34	45	1610	1.872	ng/ul#	61
14) Acetophenone	8.46	105	13552	13.717	ng/ul	88
15) N-Nitroso-di-n-propylamine	8.34	70	5352	10.813	ng/ul#	1
21) Isophorone	9.50	82	9705	6.923	ng/ul#	68
43) 2-Nitroaniline	13.19	65	2338	5.804	ng/ul#	2
45) Dimethylphthalate	13.73	163	307165	151.589	ng/ul	99
46) 2,6-Dinitrotoluene	13.73	165	3130	7.854	ng/ul#	41
48) Acenaphthylene	13.99	152	6818	2.699	ng/ul#	90
70) Phenanthrene	17.05	178	4670	1.488	ng/ul	95
72) Anthracene	17.05	178	4670	1.460	ng/ul	96
76) Di-n-butylphthalate	18.00	149	4943	1.514	ng/ul#	94
77) Fluoranthene	19.07	202	18433	4.982	ng/ul#	90
80) Pyrene	19.43	202	24005	6.468	ng/ul#	93
83) Benzo(a)anthracene	21.24	228	17024	4.673	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.14	149	3054	1.393	ng/ul#	89
85) Chrysene	21.24	228	17024	4.763	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	30801	7.508	ng/ul#	96
89) Benzo(k)fluoranthene	22.73	252	30801	7.621	ng/ul#	96
91) Benzo(a)pyrene	23.29	252	21202	5.679	ng/ul#	81
92) Indeno(1,2,3-cd)pyrene	25.53	276	19264	3.907	ng/ul	97

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Quant Title : SVOA CALIBRATION
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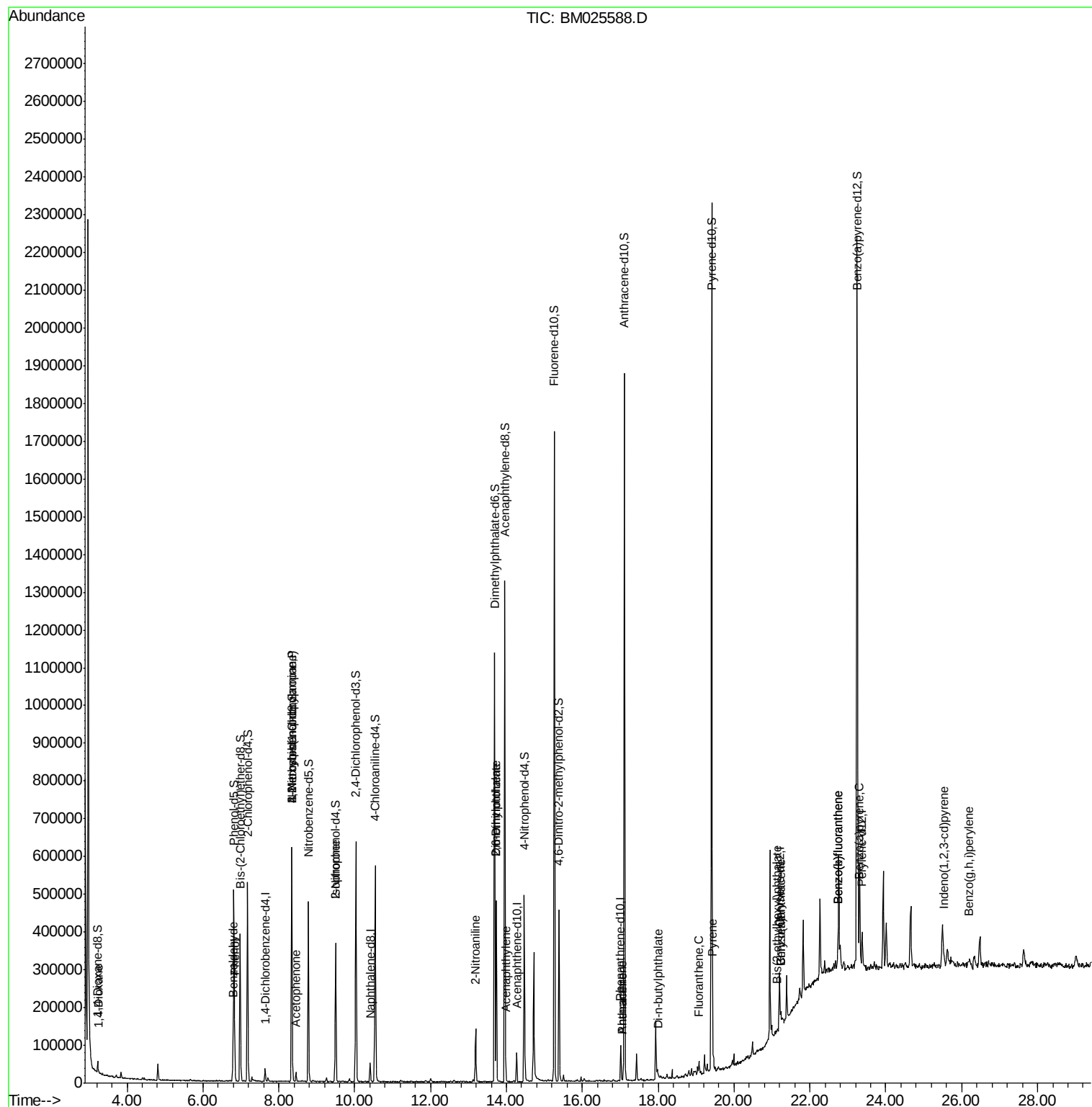
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.19	276	18161	4.469	ng/ul	96

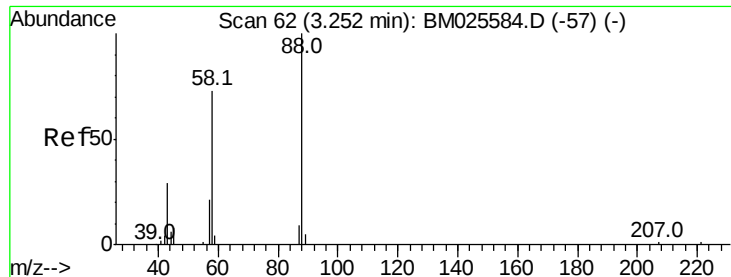
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.937 ng/uL

RT: 3.25 min Scan# 62

Delta R.T. 0.00 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampleId :

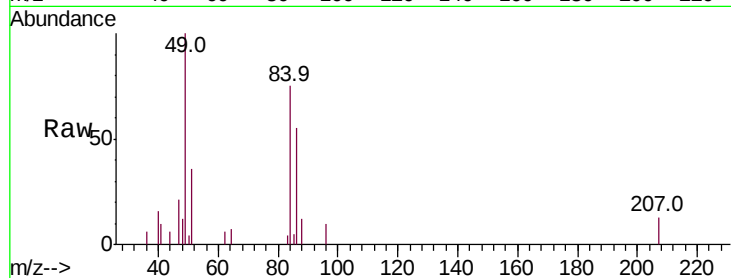
Tot Ion: 88 Resp: 491

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

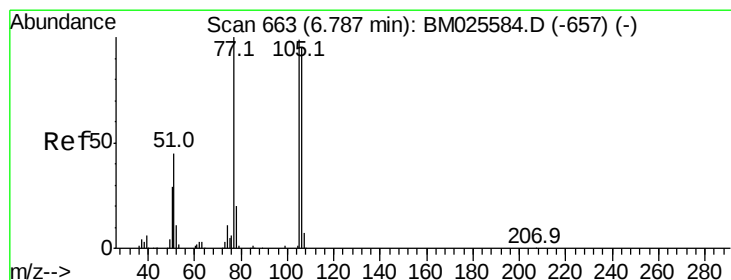
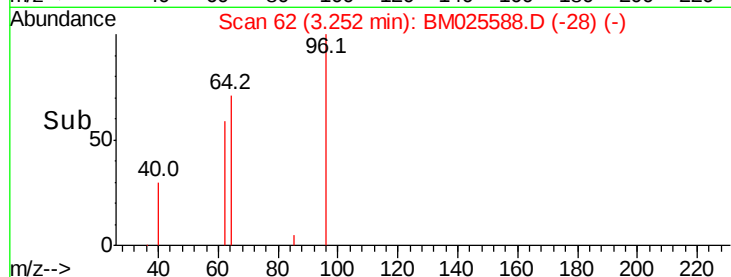
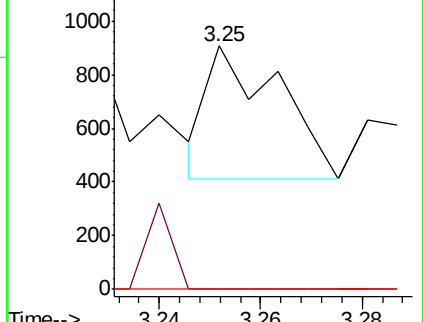
58 0.0 52.1 78.1#



Abundance Ion 88.00 (87.70 to 88.70): BM025588.D (-57) (-)

Ion 43.00 (42.70 to 43.70): BM025588.D (-57) (-)

Ion 58.00 (57.70 to 58.70): BM025588.D (-57) (-)



#4

Benzaldehyde

Concen: 40.364 ng/uL

RT: 6.79 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

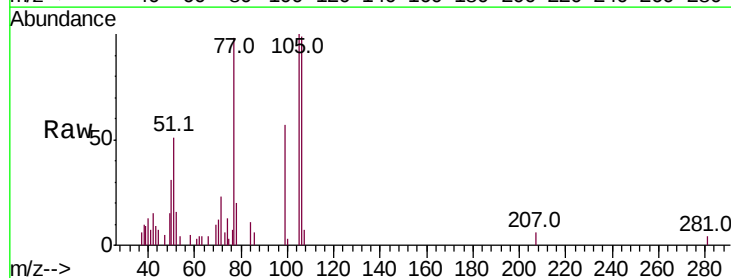
Tgt Ion: 77 Resp: 16665

Ion Ratio Lower Upper

77 100

105 101.8 75.4 113.0

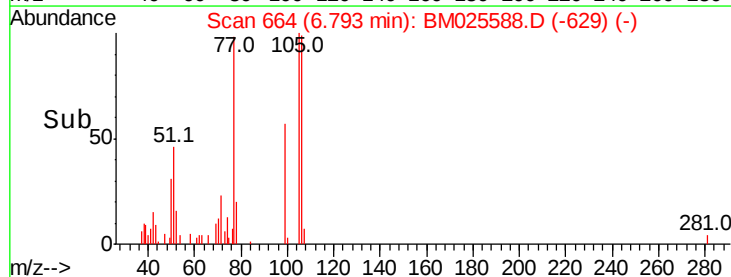
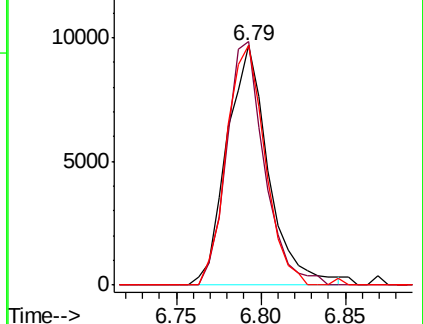
106 100.3 75.4 113.2

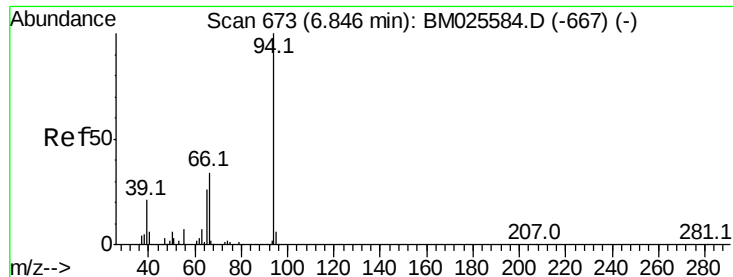


Abundance Ion 77.00 (76.70 to 77.70): BM025588.D (-657) (-)

Ion 105.00 (104.70 to 105.70): BM025588.D (-657) (-)

Ion 106.00 (105.70 to 106.70): BM025588.D (-657) (-)





#6

Phenol

Concen: 12.285 ng/ul

RT: 6.84 min Scan# 672

Delta R.T. -0.01 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampleId :

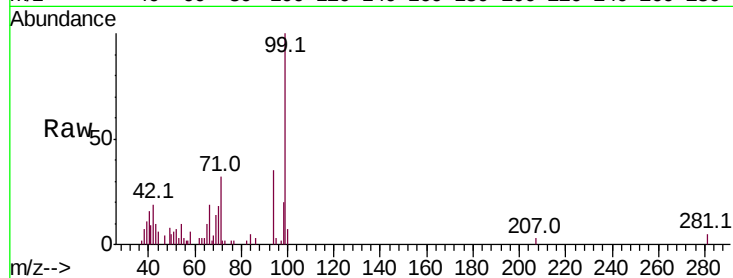
Tot Ion: 94 Resp: 10000

Ion Ratio Lower Upper

94 100

65 29.9 23.8 35.6

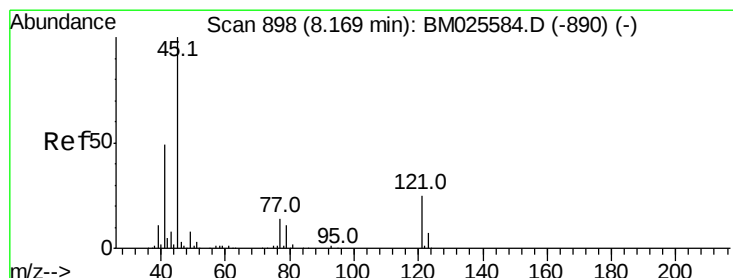
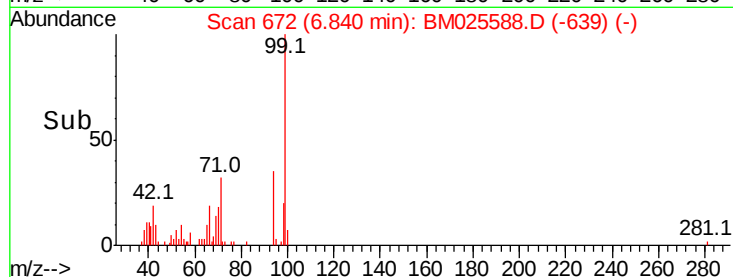
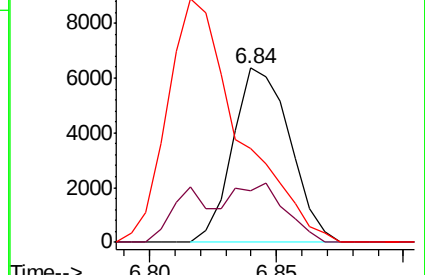
66 54.0 32.4 48.6#



Abundance Ion 94.00 (93.70 to 94.70): BM025588.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM025588.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM025588.D (-667) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 1.872 ng/ul

RT: 8.34 min Scan# 927

Delta R.T. 0.17 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

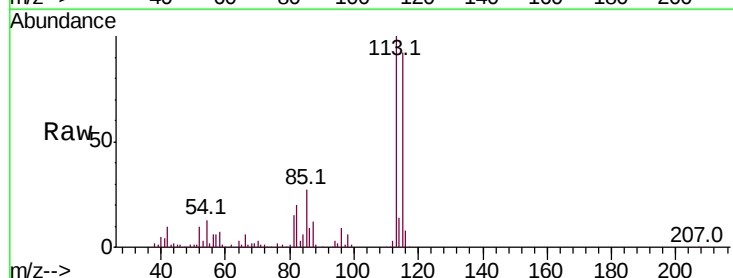
Tgt Ion: 45 Resp: 1610

Ion Ratio Lower Upper

45 100

77 0.0 12.6 18.8#

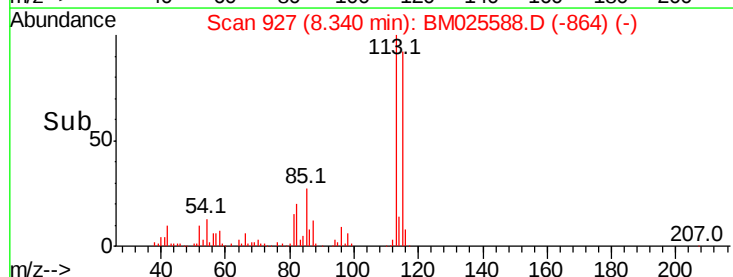
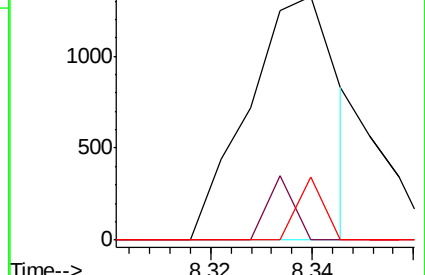
79 26.1 8.1 12.1#

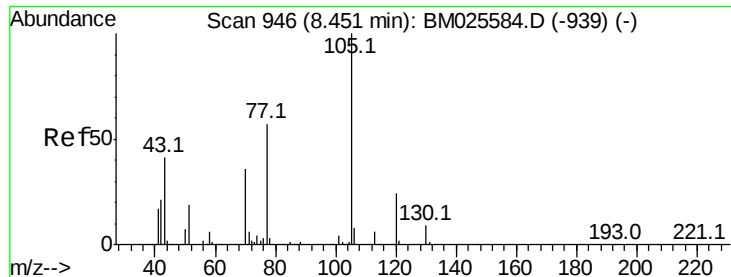


Abundance Ion 45.00 (44.70 to 45.70): BM025588.D (-890) (-)

Ion 77.00 (76.70 to 77.70): BM025588.D (-890) (-)

Ion 79.00 (78.70 to 79.70): BM025588.D (-890) (-)

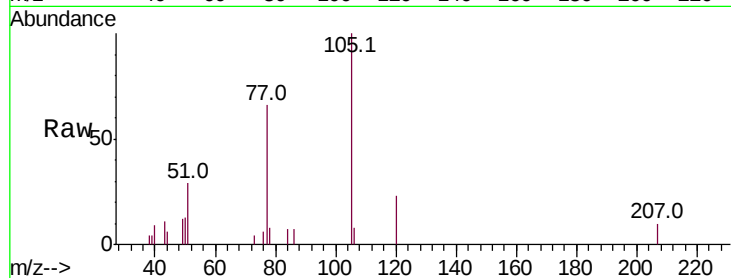




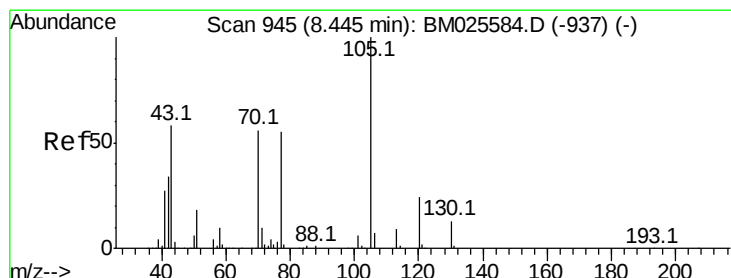
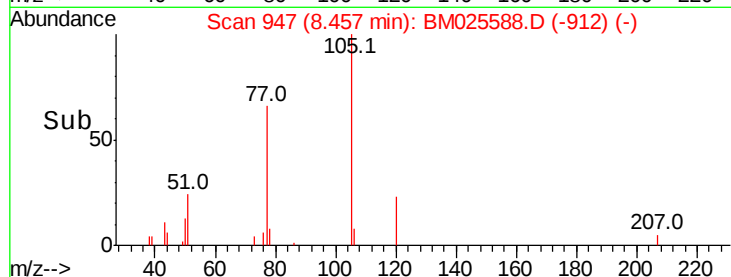
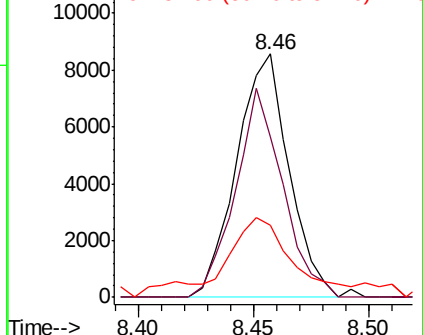
#14
Acetophenone
Concen: 13.717 ng/ul
RT: 8.46 min Scan# 947
Delta R.T. 0.01 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Instrument :
BNA_M
ClientSampleId :

Tot Ion:105 Resp: 13552
Ion Ratio Lower Upper
105 100
77 65.9 63.2 94.8
51 29.4 21.8 32.6

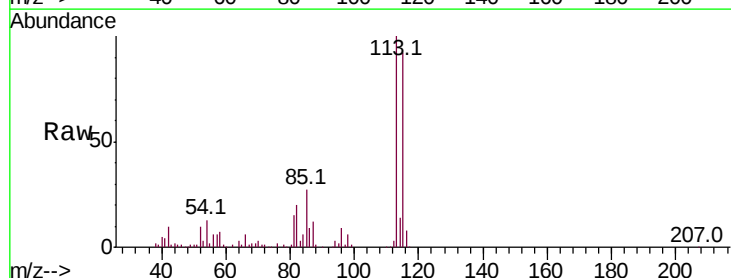


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 51.00 (50.70 to 51.70): BM

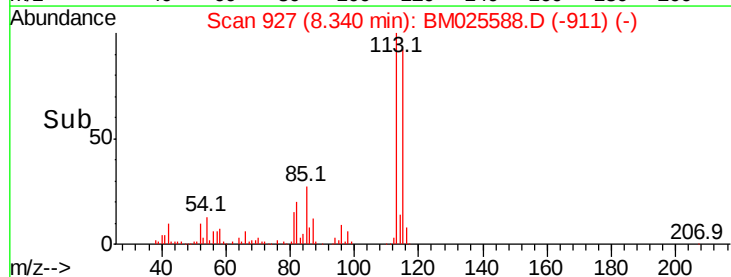
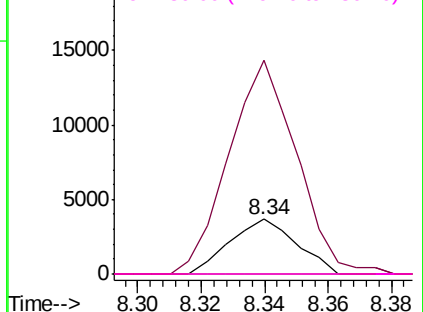


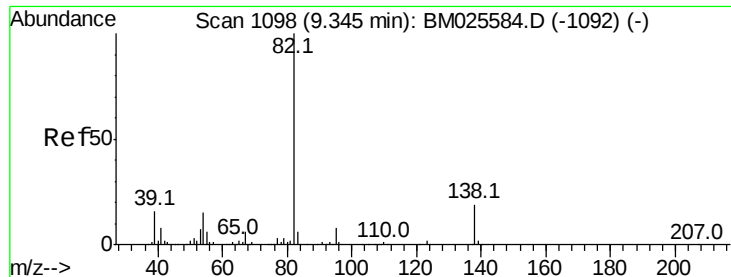
#15
N-Nitroso-di-n-propylamine
Concen: 10.813 ng/ul
RT: 8.34 min Scan# 927
Delta R.T. -0.11 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Tgt Ion: 70 Resp: 5352
Ion Ratio Lower Upper
70 100
42 389.9 48.2 72.2#
101 0.0 7.6 11.4#
130 0.0 19.8 29.6#



Abundance Ion 70.00 (69.70 to 70.70): BM
Ion 42.00 (41.70 to 42.70): BM
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Isophorone

Concen: 6.923 ng/ul

RT: 9.50 min Scan# 1124

Delta R.T. 0.15 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampleId :

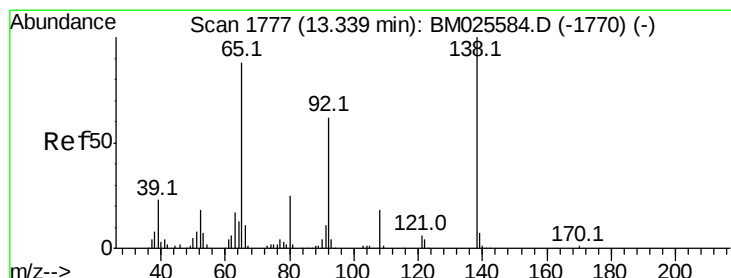
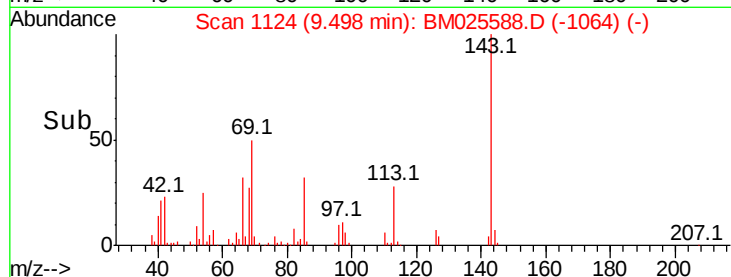
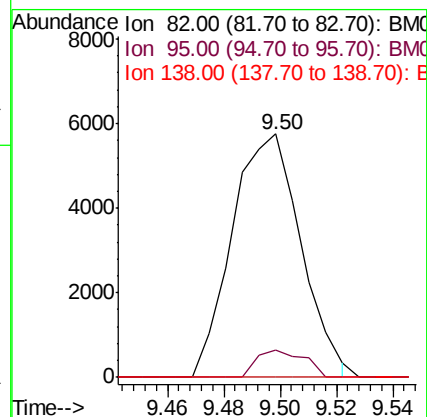
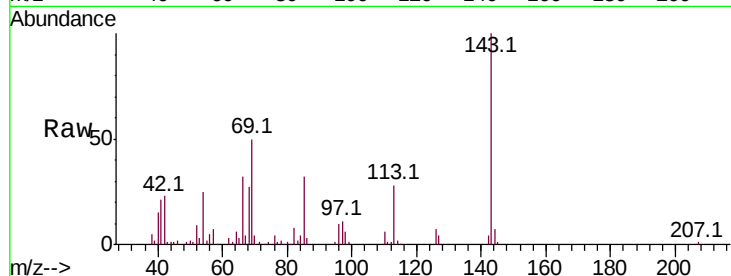
Tot Ion: 82 Resp: 9705

Ion Ratio Lower Upper

82 100

95 11.1 6.4 9.6#

138 0.0 15.2 22.8#



#43

2-Nitroaniline

Concen: 5.804 ng/ul

RT: 13.19 min Scan# 1751

Delta R.T. -0.15 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

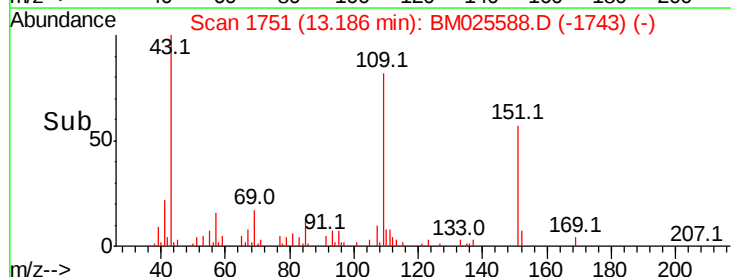
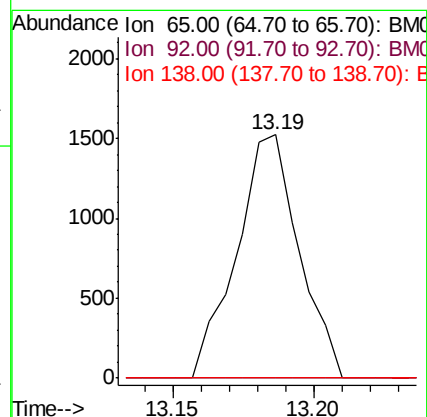
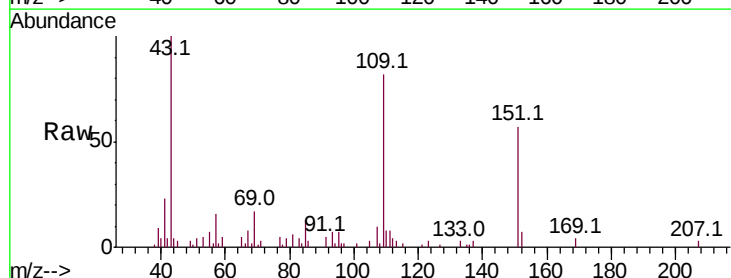
Tgt Ion: 65 Resp: 2338

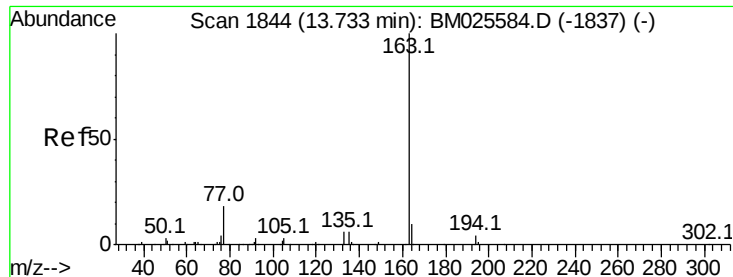
Ion Ratio Lower Upper

65 100

92 0.0 57.0 85.4#

138 0.0 92.1 138.1#

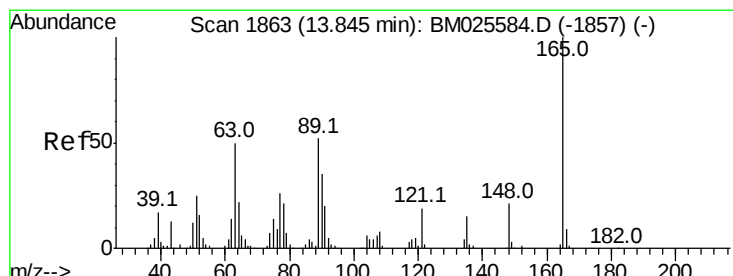
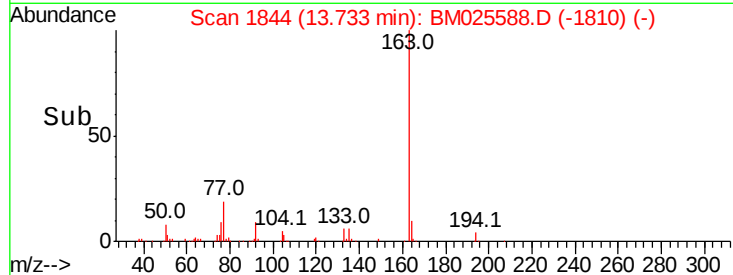
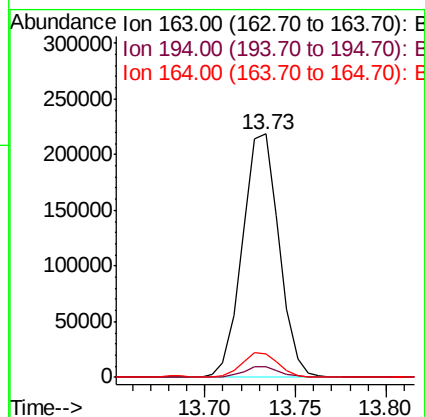
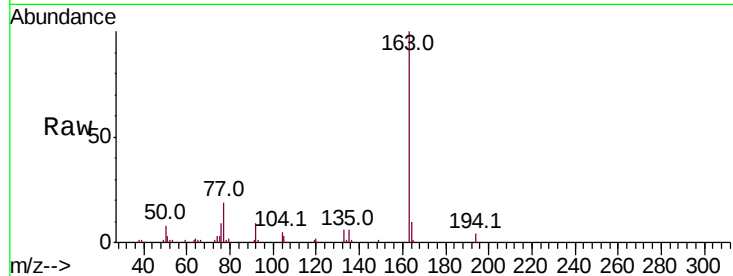




#45
Dimethylphthalate
Concen: 151.589 ng/ul
RT: 13.73 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

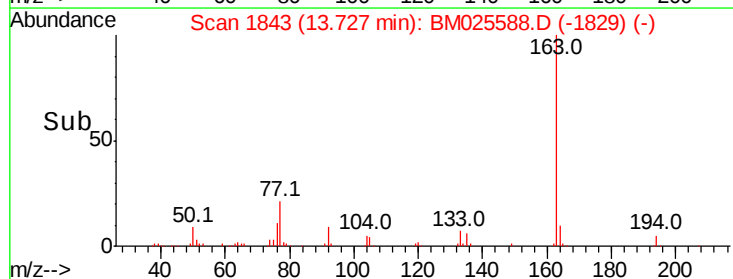
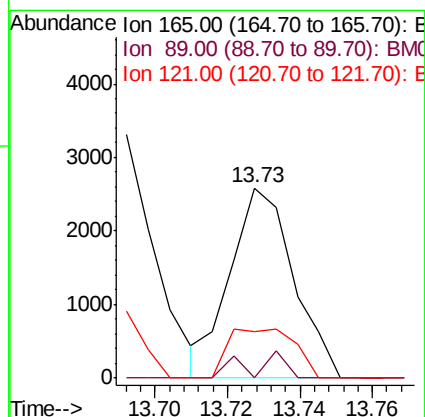
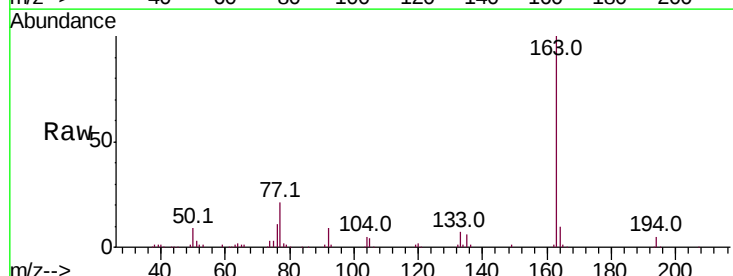
Instrument :
BNA_M
ClientSampled :

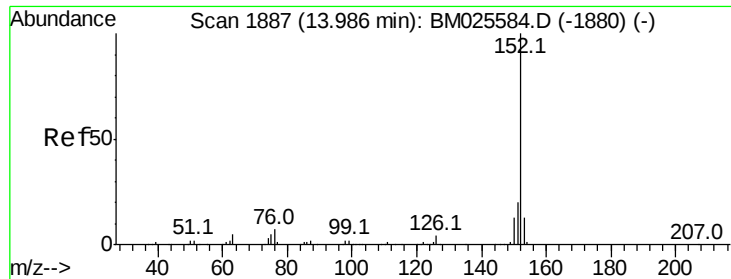
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.7	8.2	12.4



#46
2,6-Dinitrotoluene
Concen: 7.854 ng/ul
RT: 13.73 min Scan# 1843
Delta R.T. -0.12 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Tgt Ion	Ratio	Lower	Upper
165	100		
89	0.0	44.5	66.7#
121	24.6	16.2	24.2#





#48

Acenaphthylene

Concen: 2.699 ng/ul

RT: 13.99 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampleId :

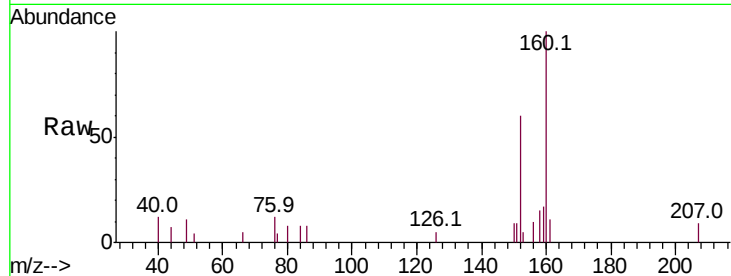
Tot Ion:152 Resp: 6818

Ion Ratio Lower Upper

152 100

151 15.7 15.8 23.6#

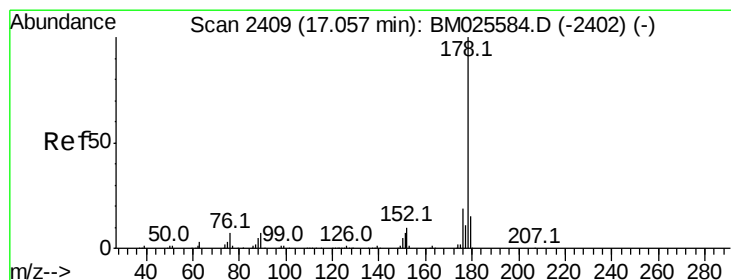
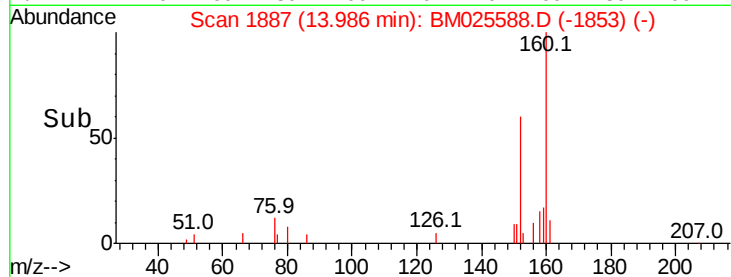
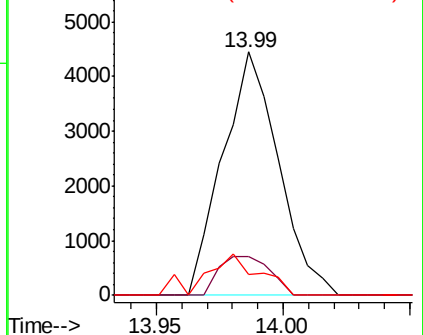
153 8.7 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#70

Phenanthrene

Concen: 1.488 ng/ul

RT: 17.05 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

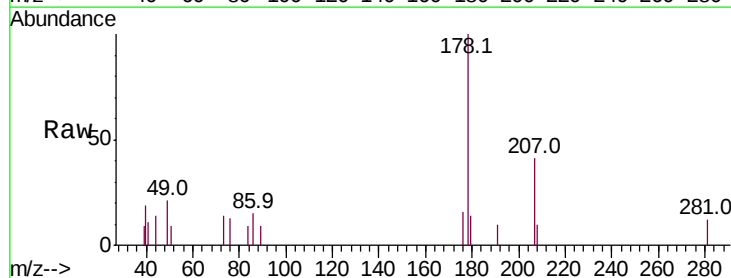
Tgt Ion:178 Resp: 4670

Ion Ratio Lower Upper

178 100

179 14.2 12.2 18.4

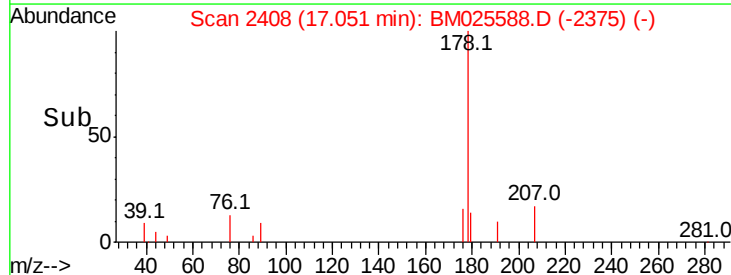
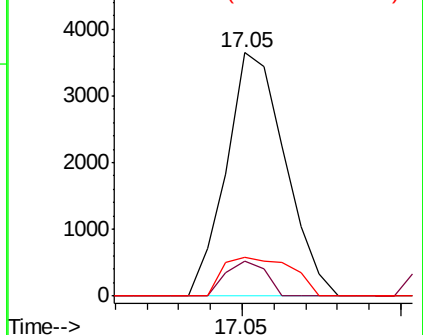
176 15.8 15.3 22.9

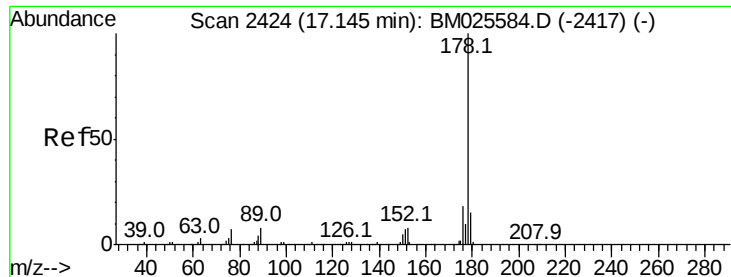


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.460 ng/ul

RT: 17.05 min Scan# 2408

Delta R.T. -0.09 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampleId :

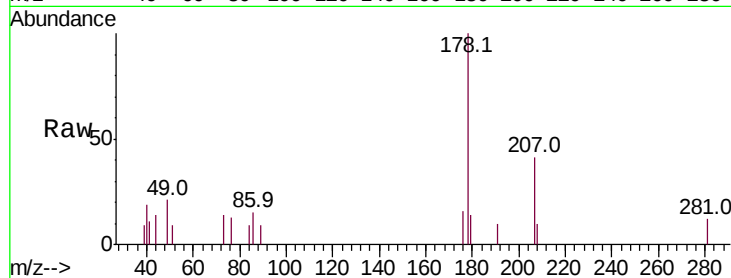
Tot Ion:178 Resp: 4670

Ion Ratio Lower Upper

178 100

179 14.2 12.5 18.7

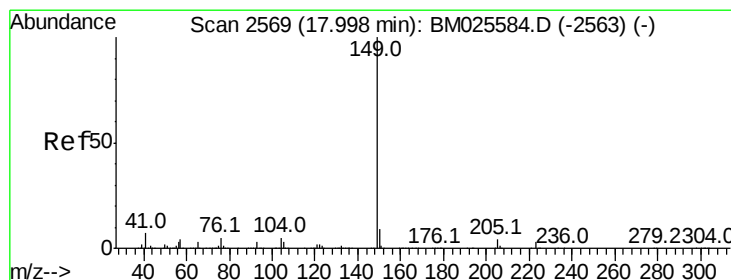
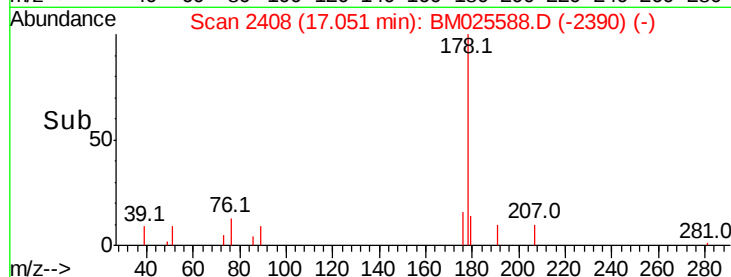
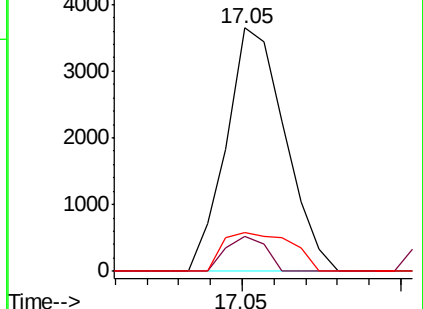
176 15.8 14.5 21.7



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



#76

Di-n-butylphthalate

Concen: 1.514 ng/ul

RT: 18.00 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

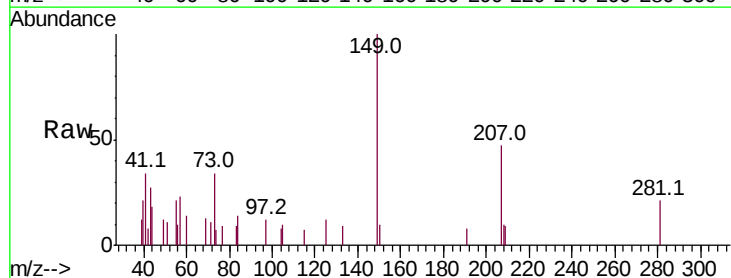
Tgt Ion:149 Resp: 4943

Ion Ratio Lower Upper

149 100

150 10.2 7.0 10.6

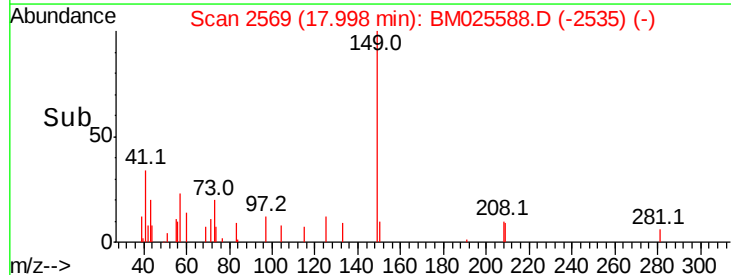
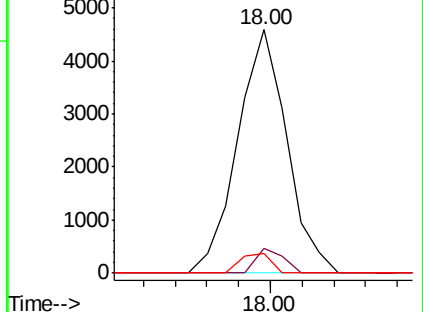
104 7.8 3.8 5.8#

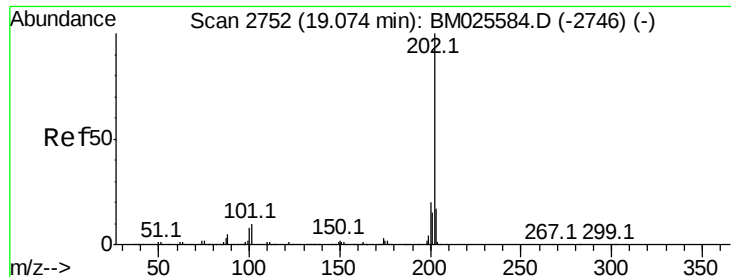


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

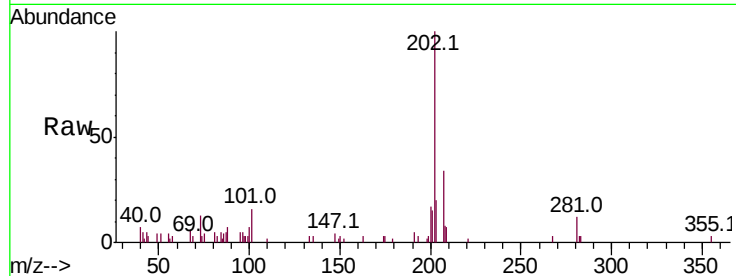




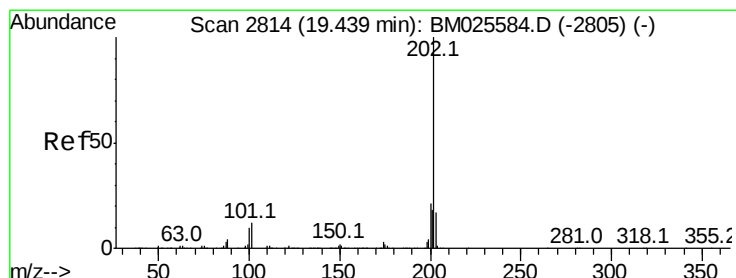
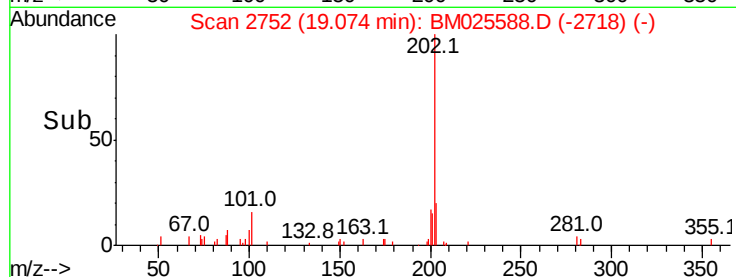
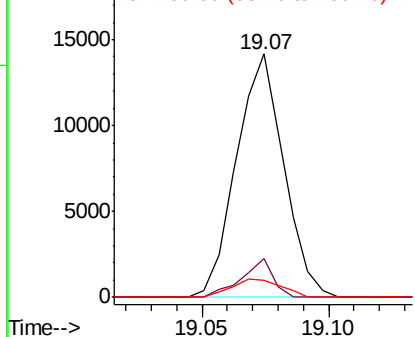
#77
Fluoranthene
 Concen: 4.982 ng/ul
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BM025588.D
 Acq: 16 Mar 2020 19:56

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.1	8.2	12.4#
100	6.9	6.5	9.7

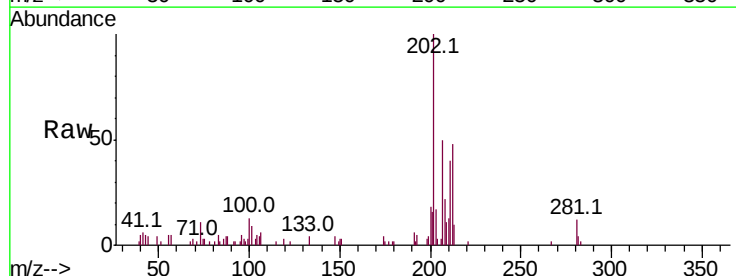


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

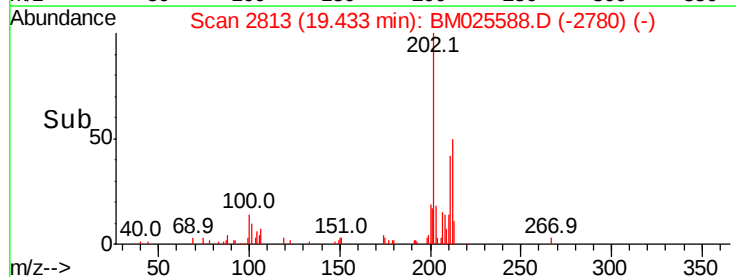
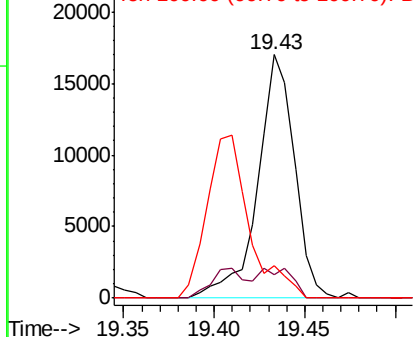


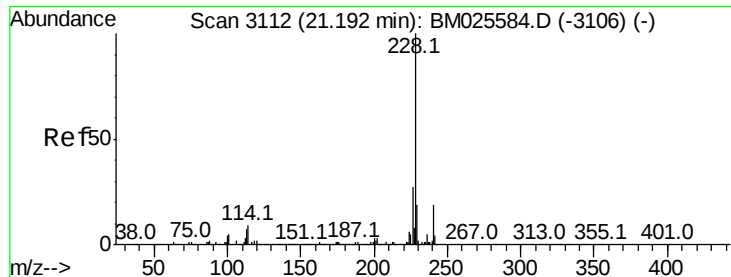
#80
Pyrene
 Concen: 6.468 ng/ul
 RT: 19.43 min Scan# 2813
 Delta R.T. -0.01 min
 Lab File: BM025588.D
 Acq: 16 Mar 2020 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.9	13.3
100	13.4	7.5	11.3#



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

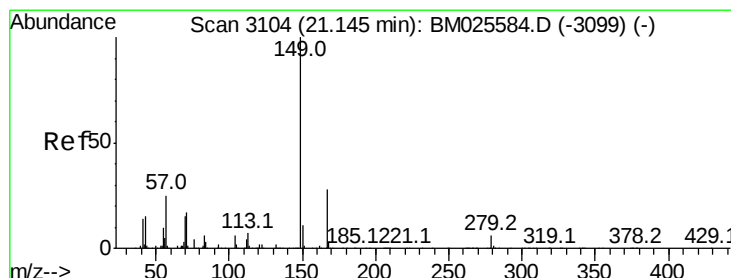
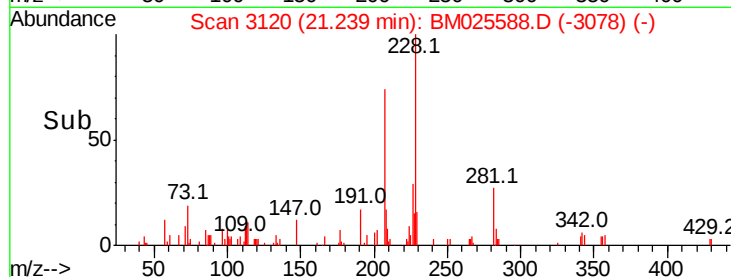
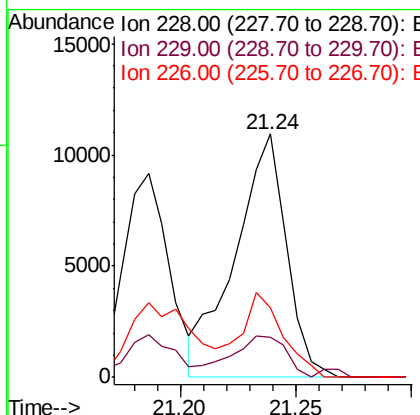
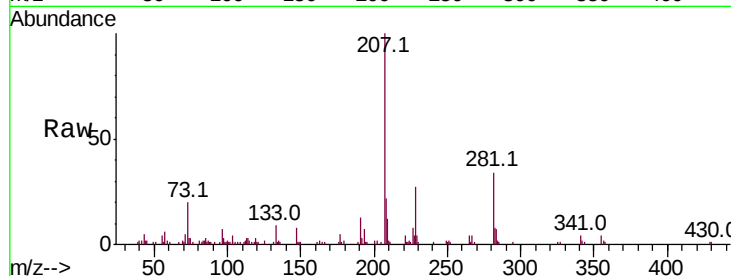




#83
Benzo(a)anthracene
Concen: 4.673 ng/ul
RT: 21.24 min Scan# 3120
Delta R.T. 0.05 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

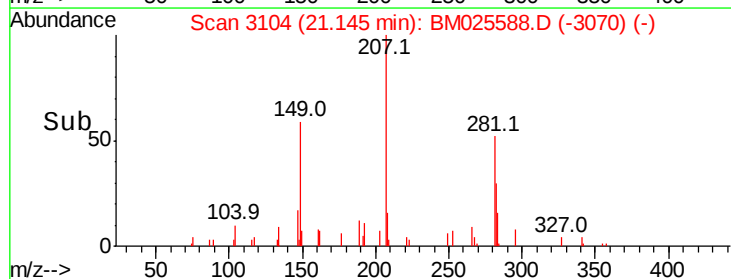
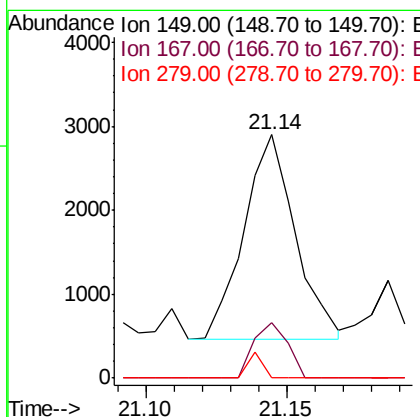
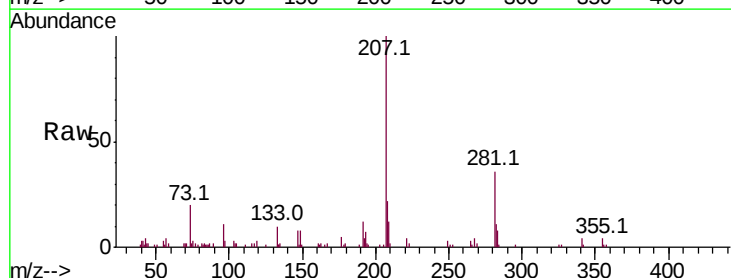
Instrument :
BNA_M
ClientSampled :

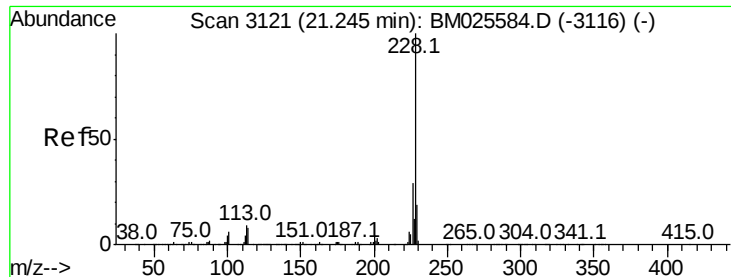
Tot Ion:228 Resp: 17024
Ion Ratio Lower Upper
228 100
229 16.4 15.5 23.3
226 28.7 21.0 31.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.393 ng/ul
RT: 21.14 min Scan# 3104
Delta R.T. 0.00 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Tgt Ion:149 Resp: 3054
Ion Ratio Lower Upper
149 100
167 22.8 22.7 34.1
279 0.0 4.1 6.1#





#85

Chrysene

Concen: 4.763 ng/ul

RT: 21.24 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

Instrument :

BNA_M

ClientSampled :

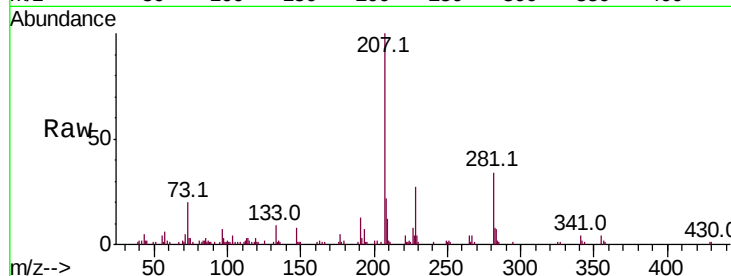
Tot Ion:228 Resp: 17024

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.0

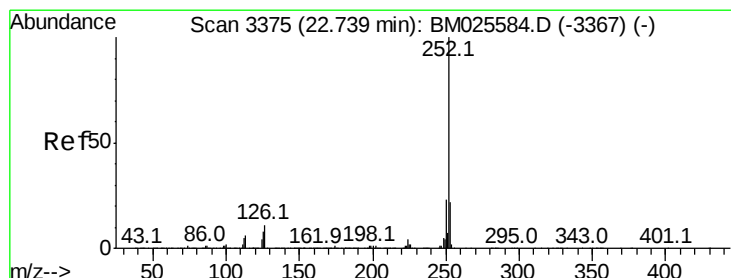
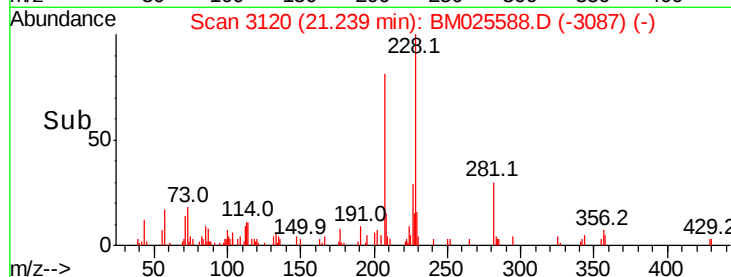
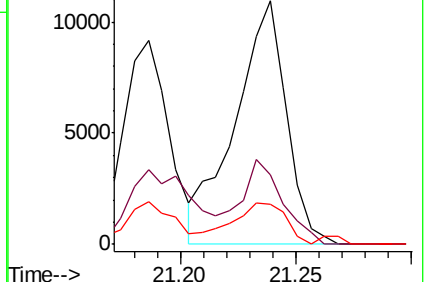
229 16.4 15.6 23.4



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: 7.508 ng/ul

RT: 22.73 min Scan# 3374

Delta R.T. -0.01 min

Lab File: BM025588.D

Acq: 16 Mar 2020 19:56

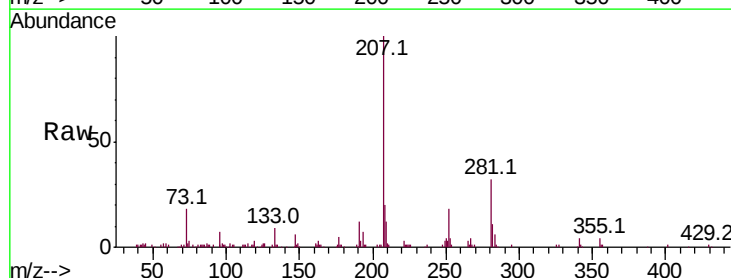
Tgt Ion:252 Resp: 30801

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

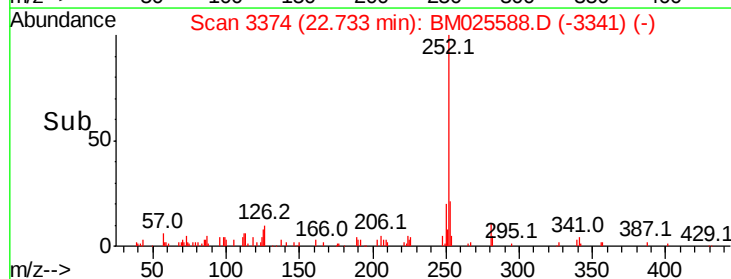
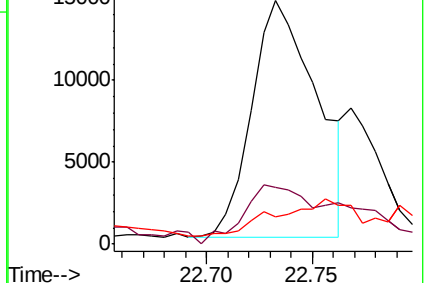
125 11.2 6.7 10.1#

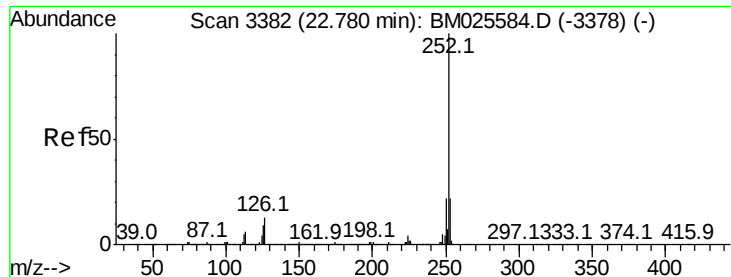


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

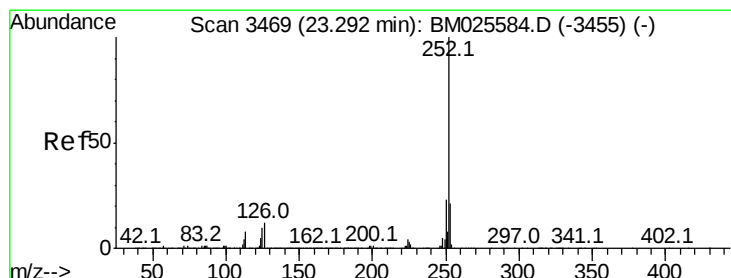
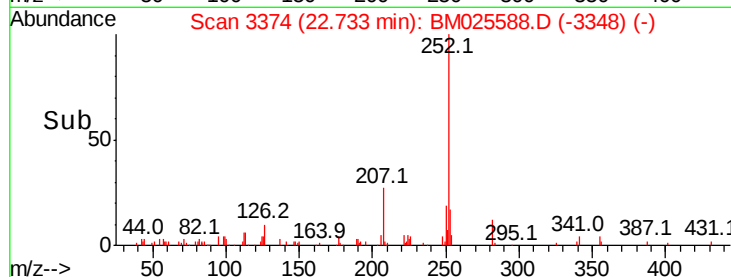
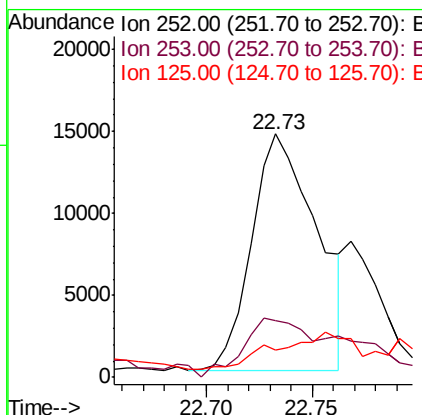
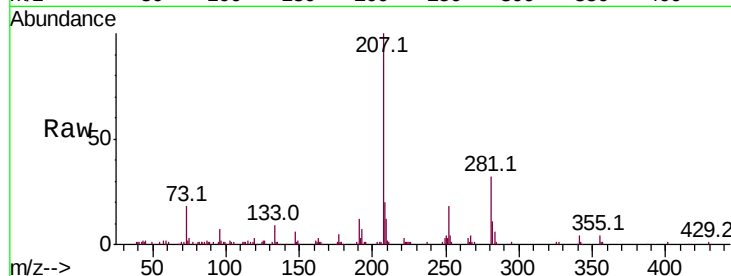




#89
Benzo(k)fluoranthene
Concen: 7.621 ng/ul
RT: 22.73 min Scan# 3374
Delta R.T. -0.05 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

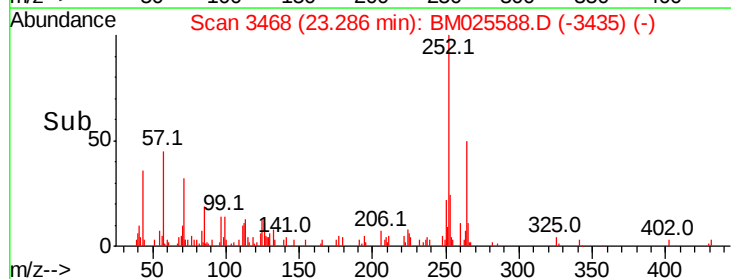
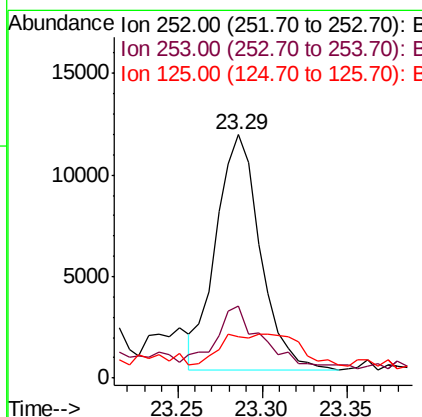
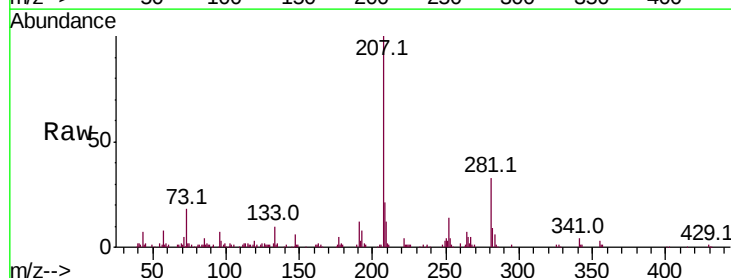
Instrument :
BNA_M
ClientSampleId :

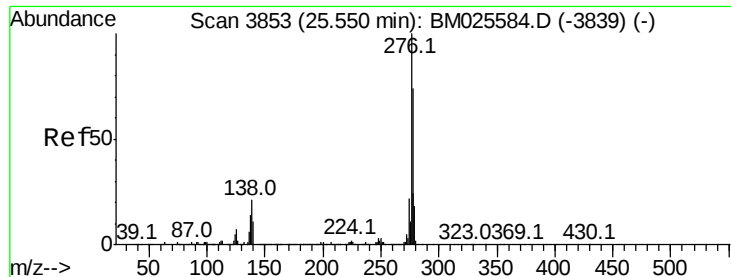
Tot Ion:252 Resp: 30801
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.2 6.9 10.3#



#91
Benzo(a)pyrene
Concen: 5.679 ng/ul
RT: 23.29 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Tgt Ion:252 Resp: 21202
Ion Ratio Lower Upper
252 100
253 29.8 17.0 25.6#
125 17.0 7.1 10.7#



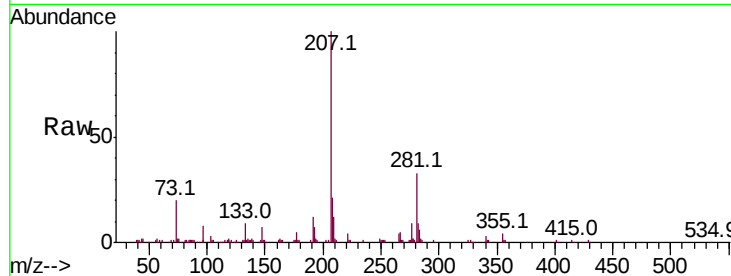


#92

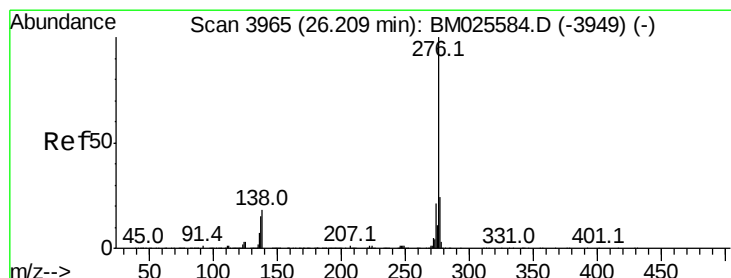
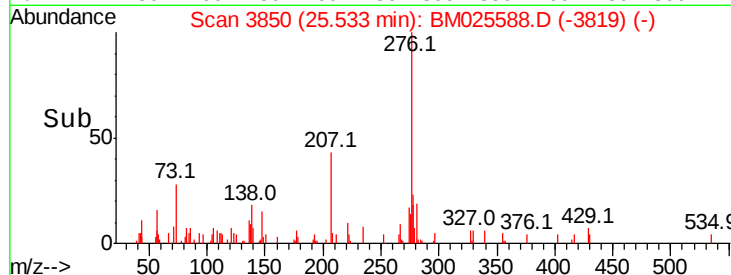
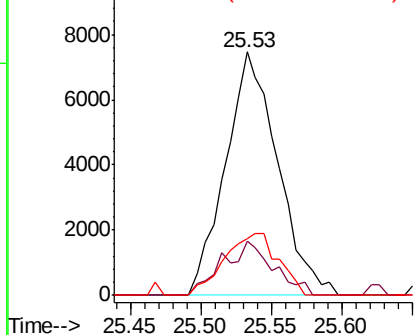
Indeno(1,2,3-cd)pyrene
Concen: 3.907 ng/ul
RT: 25.53 min Scan# 3850
Delta R.T. -0.02 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	16.5	24.7
277	23.1	19.7	29.5



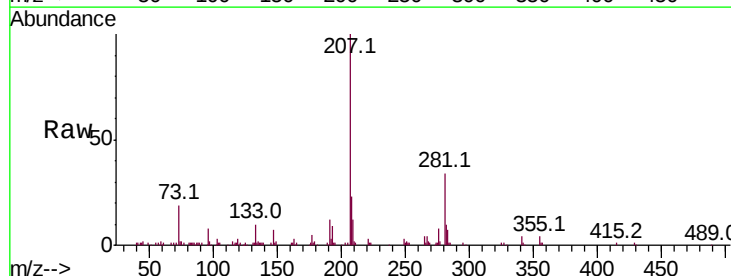
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#94

Benzo(g,h,i)perylene
Concen: 4.469 ng/ul
RT: 26.19 min Scan# 3961
Delta R.T. -0.02 min
Lab File: BM025588.D
Acq: 16 Mar 2020 19:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	13.2	19.8
277	21.7	19.0	28.4



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

