

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 Data File : BM024495.D
 Acq On : 17 Jan 2020 13:50
 Operator : JU
 Sample : L1071-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2L45

Quant Time: Jan 17 14:25:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 17 12:17:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	188637	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	848449	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	630747	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	1492982	20.00	ng/ul	0.00
78) Chrysene-d12	21.06	240	1531287	20.00	ng/ul	0.00
86) Perylene-d12	23.18	264	1629151	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	13663	3.54	ng/uL	0.00
5) Phenol-d5	6.65	99	332795	23.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	184775	23.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	296128	24.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	299398	23.22	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	151558	25.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	171050	26.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	412769	28.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	312681	19.35	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1429794	28.93	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1556112	27.36	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	192882	23.38	ng/ul	0.00
58) Fluorene-d10	15.11	176	1243569	28.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.23	200	147255	17.28	ng/ul	0.00
71) Anthracene-d10	16.96	188	2072290	29.85	ng/ul	0.00
79) Pyrene-d10	19.26	212	2486607	30.38	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.05	264	2548273	30.16	ng/ul	0.00

Target Compounds

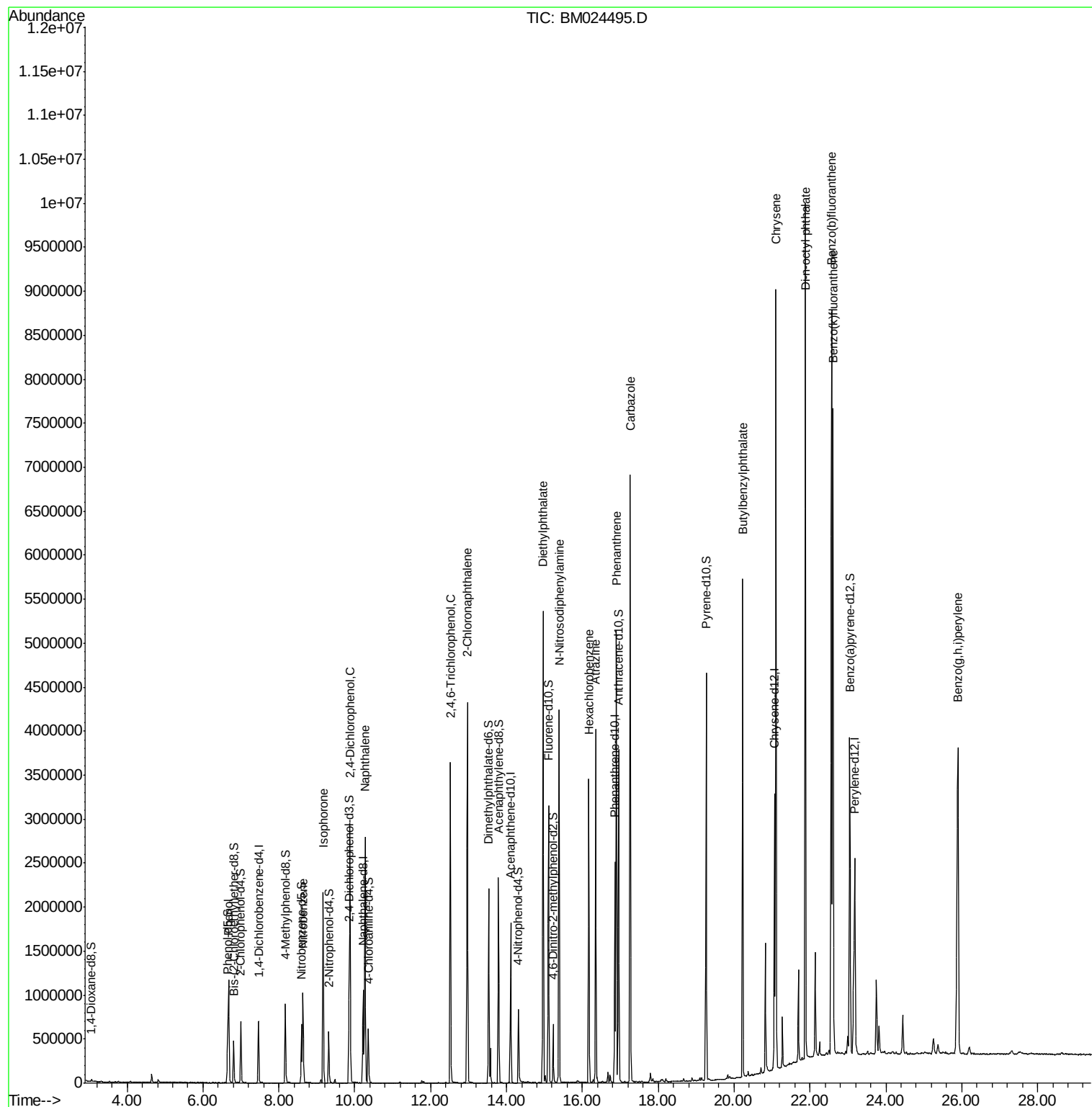
					Ovalue
6) Phenol	6.68	94	535701	37.703	ng/ul 98
20) Nitrobenzene	8.64	77	498799	34.574	ng/ul 96
21) Isophorone	9.17	82	1316066	46.332	ng/ul 100
27) 2,4-Dichlorophenol	9.88	162	991446	70.322	ng/ul 98
28) Naphthalene	10.27	128	2185499	50.280	ng/ul 100
39) 2,4,6-Trichlorophenol	12.52	196	855028	67.346	ng/ul 99
42) 2-Chloronaphthalene	12.97	162	2114552	57.400	ng/ul 99
57) Diethylphthalate	14.96	149	2877831	55.789	ng/ul 99
65) N-Nitrosodiphenylamine	15.39	169	1650132	39.794	ng/ul 99
67) Hexachlorobenzene	16.17	284	718168	35.332	ng/ul 96
68) Atrazine	16.35	200	802379	45.981	ng/ul 99
70) Phenanthrene	16.90	178	3179323	39.487	ng/ul 100
75) Carbazole	17.27	167	4465782	64.641	ng/ul 99
81) Butylbenzylphthalate	20.23	149	1564313	42.491	ng/ul 98
85) Chrysene	21.10	228	4382989	43.605	ng/ul 99
87) Di-n-octyl phthalate	21.88	149	5949959	53.357	ng/ul 100
88) Benzo(b)fluoranthene	22.57	252	5829260	54.136	ng/ul 99
89) Benzo(k)fluoranthene	22.61	252	4163442	39.343	ng/ul 99
94) Benzo(g,h,i)perylene	25.90	276	4396135	56.495	ng/ul 99

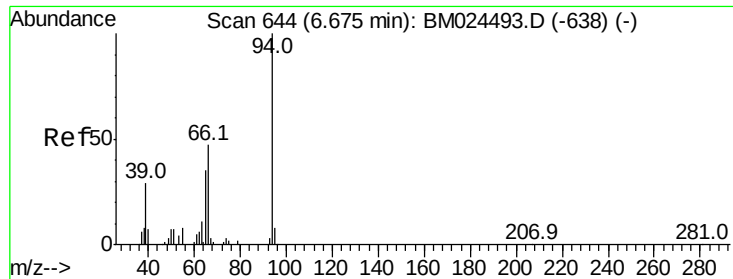
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 37.703 ng/ul

RT: 6.68 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

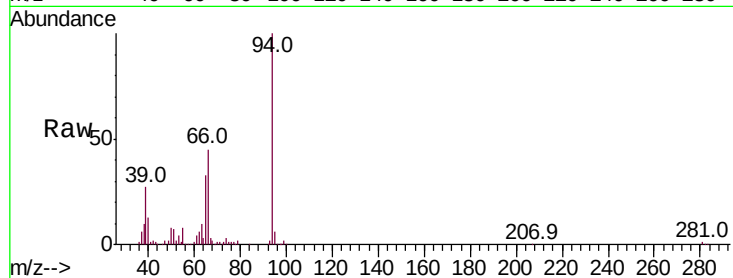
Tot Ion: 94 Resp: 535701

Ion Ratio Lower Upper

94 100

65 33.0 26.7 40.1

66 45.3 38.1 57.1



Abundance Ion 94.00 (93.70 to 94.70): BM024493.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM024493.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM024493.D (-638) (-)

6.68

400000

300000

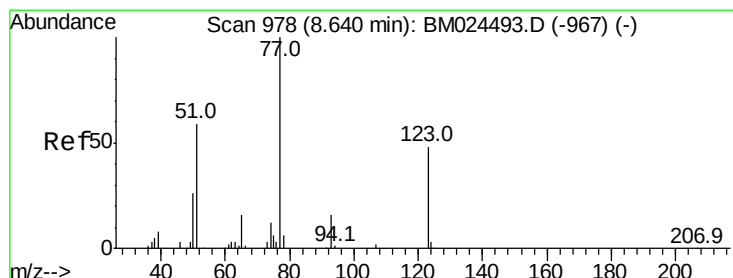
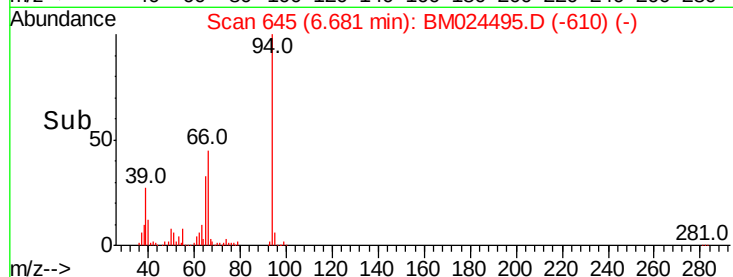
200000

100000

0

6.60 6.70 6.80

Time-->



#20

Nitrobenzene

Concen: 34.574 ng/ul

RT: 8.64 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

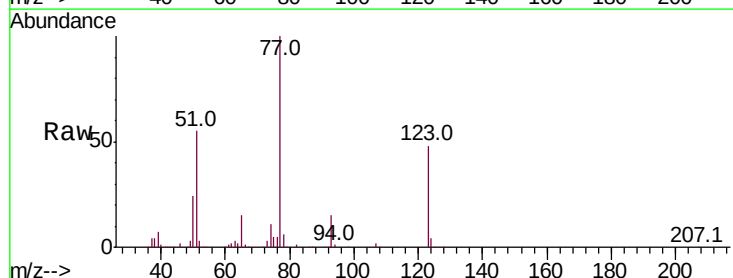
Tgt Ion: 77 Resp: 498799

Ion Ratio Lower Upper

77 100

123 47.7 35.7 53.5

65 14.5 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BM024493.D (-967) (-)

Ion 123.00 (122.70 to 123.70): BM024493.D (-967) (-)

Ion 65.00 (64.70 to 65.70): BM024493.D (-967) (-)

8.64

400000

300000

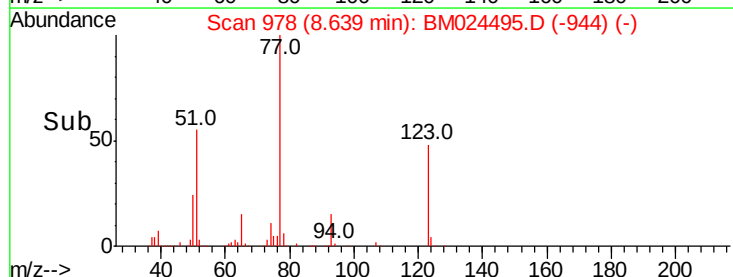
200000

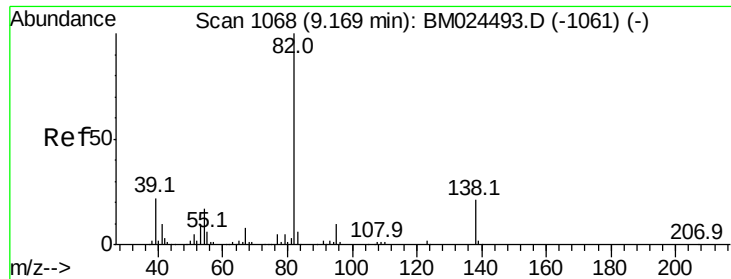
100000

0

8.55 8.60 8.65 8.70

Time-->





#21

Isophorone

Concen: 46.332 ng/ul

RT: 9.17 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

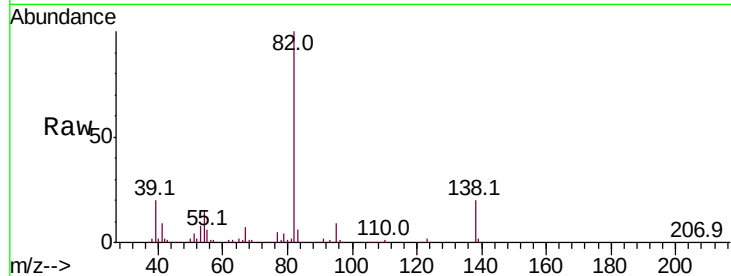
Tot Ion: 82 Resp: 1316066

Ion Ratio Lower Upper

82 100

95 8.8 7.2 10.8

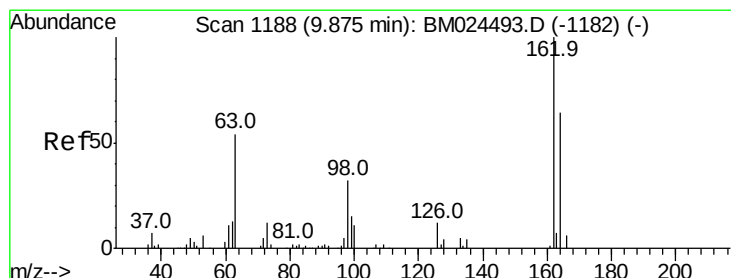
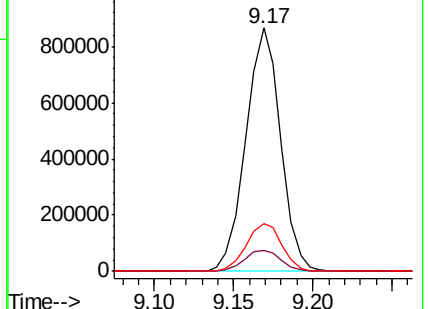
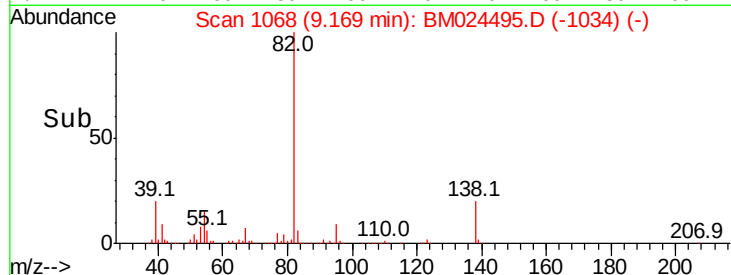
138 19.8 15.8 23.8



Abundance Ion 82.00 (81.70 to 82.70): BM024495.D (-1034) (-)

Ion 95.00 (94.70 to 95.70): BM024495.D (-1034) (-)

Ion 138.00 (137.70 to 138.70): BM024495.D (-1034) (-)



#27

2,4-Dichlorophenol

Concen: 70.322 ng/ul

RT: 9.88 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

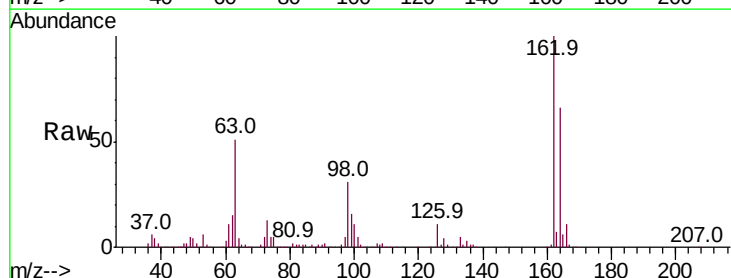
Tgt Ion:162 Resp: 991446

Ion Ratio Lower Upper

162 100

164 65.6 51.4 77.2

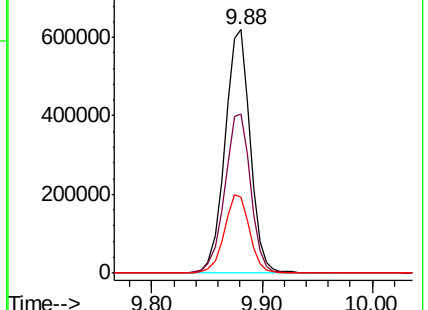
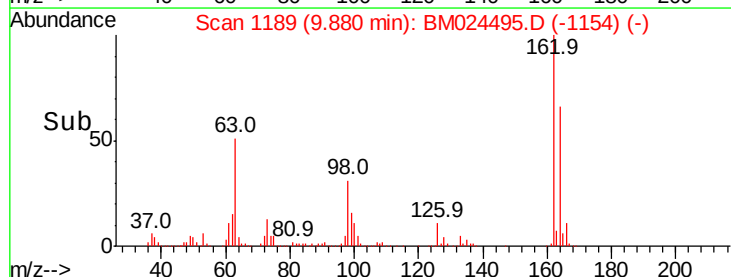
98 31.3 24.3 36.5

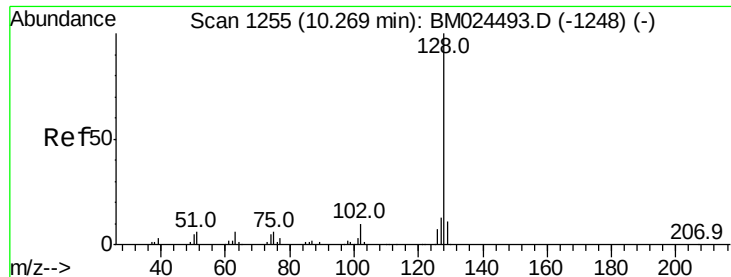


Abundance Ion 162.00 (161.70 to 162.70): BM024495.D (-1154) (-)

Ion 164.00 (163.70 to 164.70): BM024495.D (-1154) (-)

Ion 98.00 (97.70 to 98.70): BM024495.D (-1154) (-)





#28

Naphthalene

Concen: 50.280 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

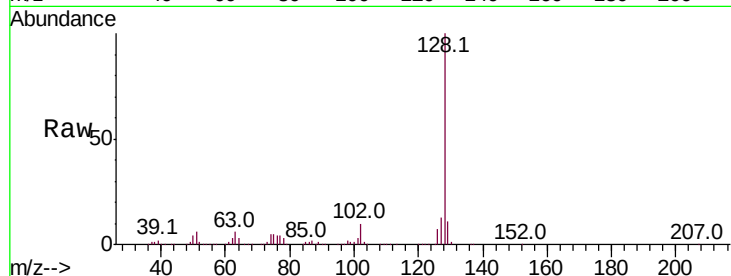
Tot Ion:128 Resp: 2185499

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

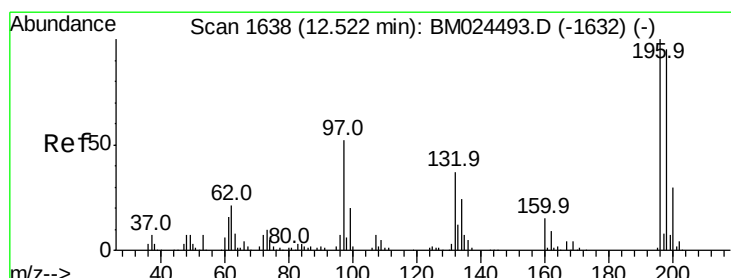
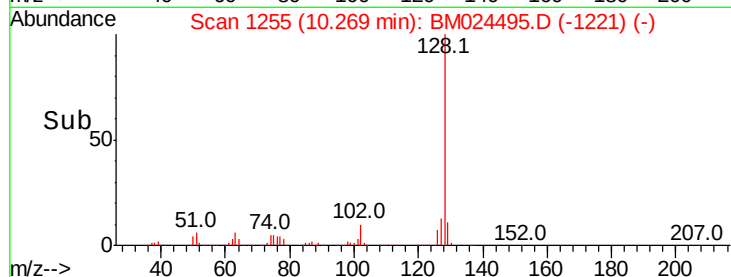
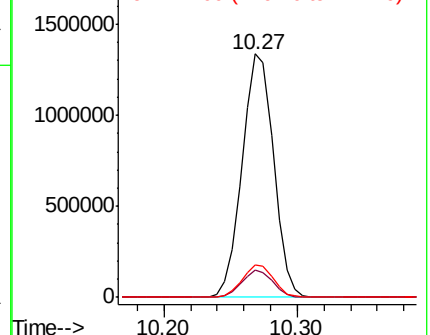
127 13.1 10.4 15.6



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



#39

2,4,6-Trichlorophenol

Concen: 67.346 ng/ul

RT: 12.52 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

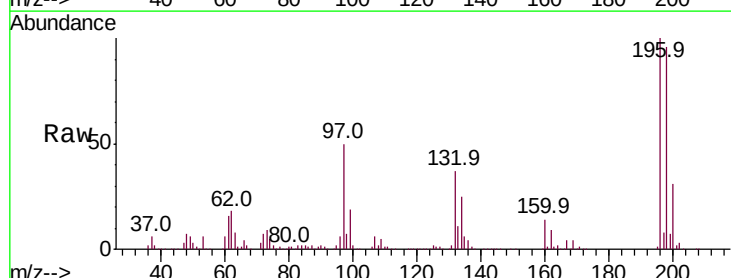
Tgt Ion:196 Resp: 855028

Ion Ratio Lower Upper

196 100

198 96.1 76.6 114.8

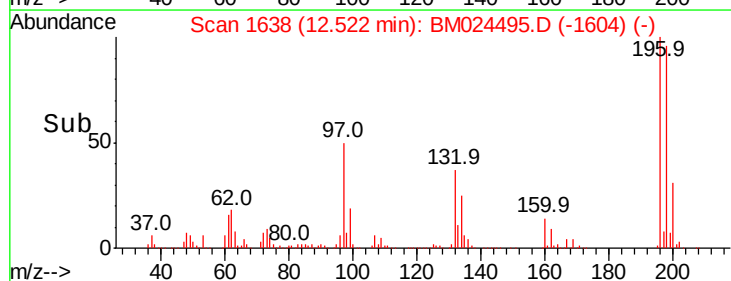
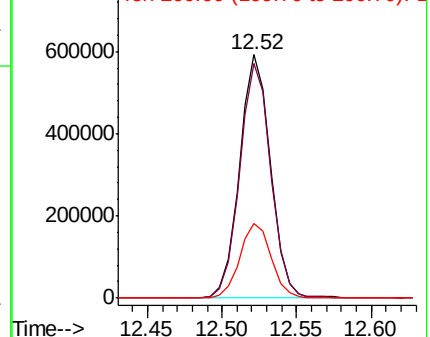
200 30.6 25.8 38.8

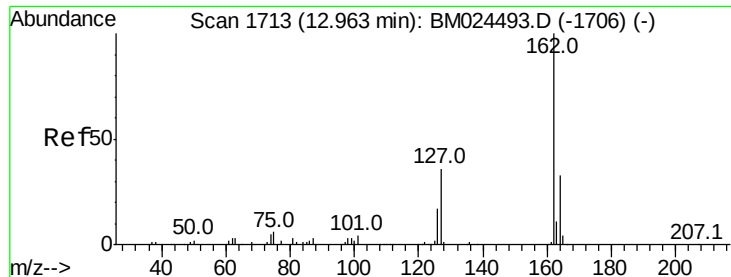


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

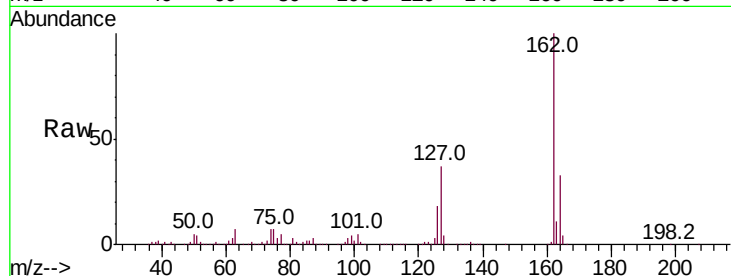




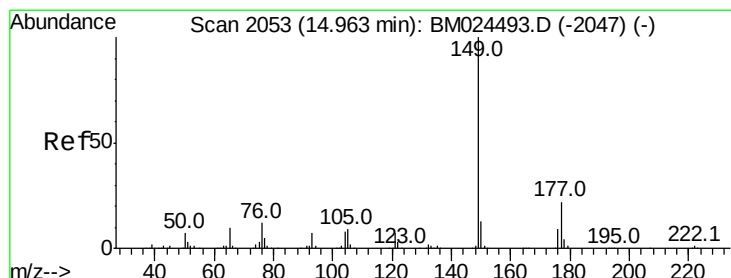
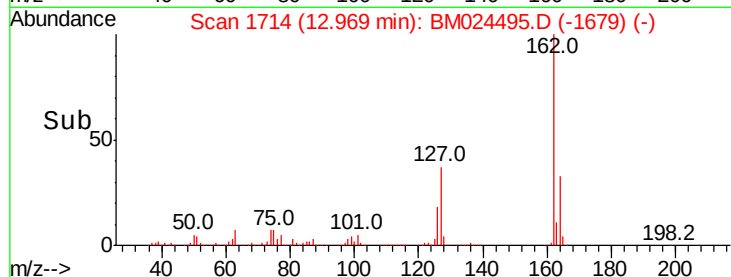
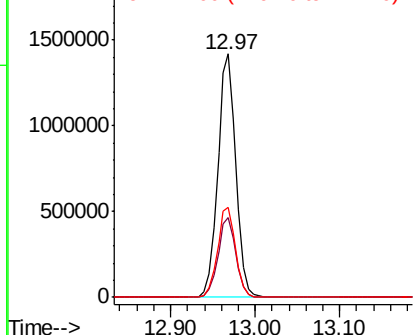
#42
2-Chloronaphthalene
Concen: 57.400 ng/ul
RT: 12.97 min Scan# 1714
Delta R.T. 0.01 min
Lab File: BM024495.D
Acq: 17 Jan 2020 13:50

Instrument :
BNA_M
ClientSampleId :
X2L45

Tot Ion:162 Resp: 2114552
Ion Ratio Lower Upper
162 100
164 32.8 27.0 40.4
127 37.2 29.7 44.5

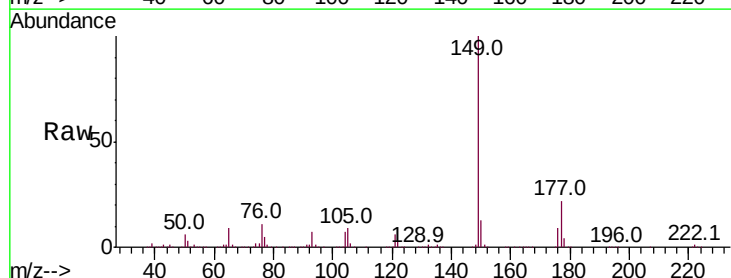


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

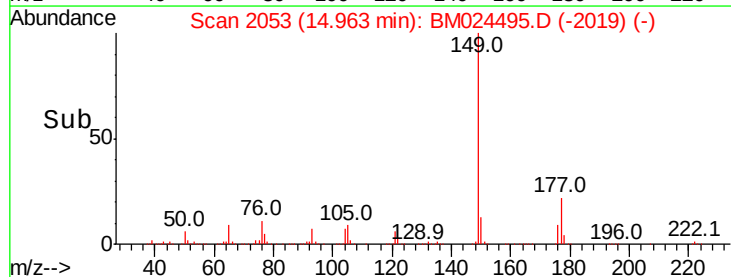
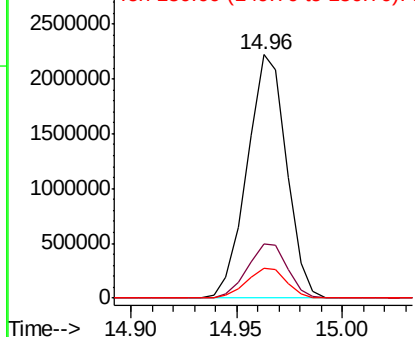


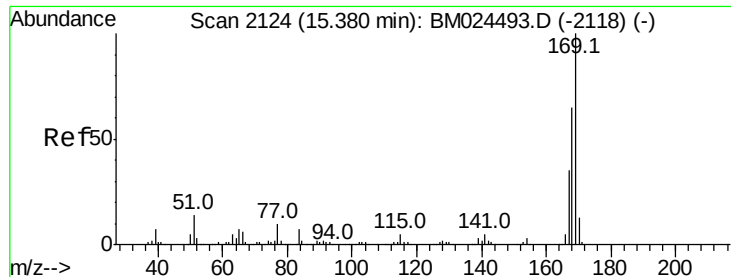
#57
Diethylphthalate
Concen: 55.789 ng/ul
RT: 14.96 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BM024495.D
Acq: 17 Jan 2020 13:50

Tgt Ion:149 Resp: 2877831
Ion Ratio Lower Upper
149 100
177 22.3 18.3 27.5
150 12.5 9.7 14.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

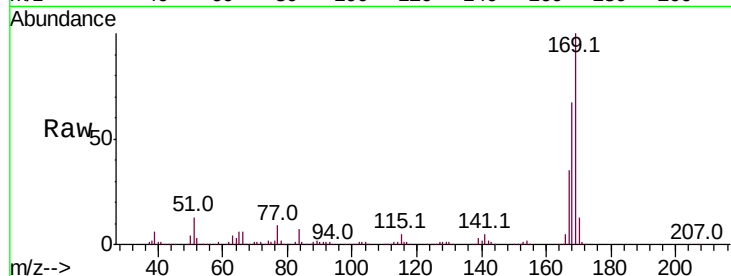




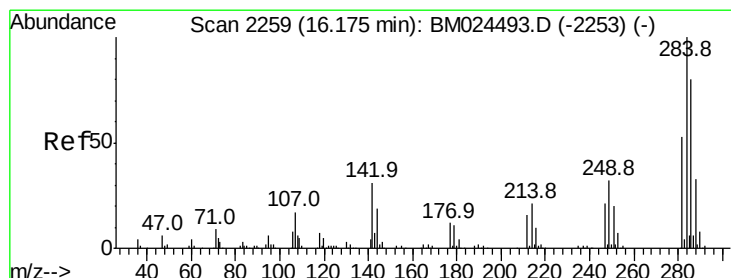
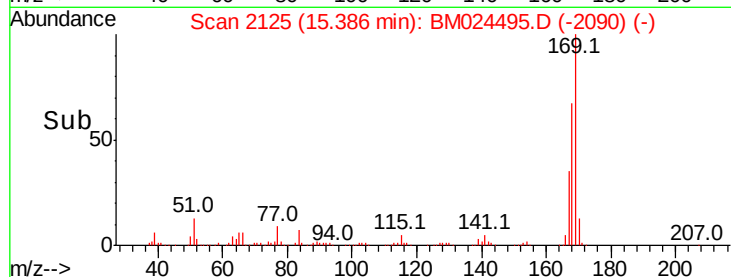
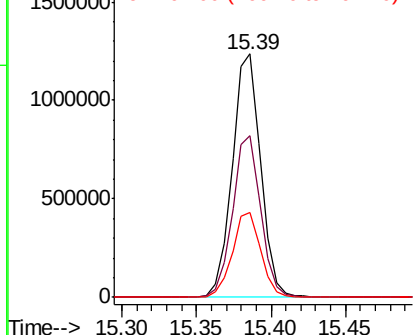
#65
N-Nitrosodiphenylamine
Concen: 39.794 ng/ul
RT: 15.39 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BM024495.D
Acq: 17 Jan 2020 13:50

Instrument :
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Tot Ion:169 Resp: 1650132
Ion Ratio Lower Upper
169 100
168 66.5 52.6 79.0
167 35.1 28.3 42.5

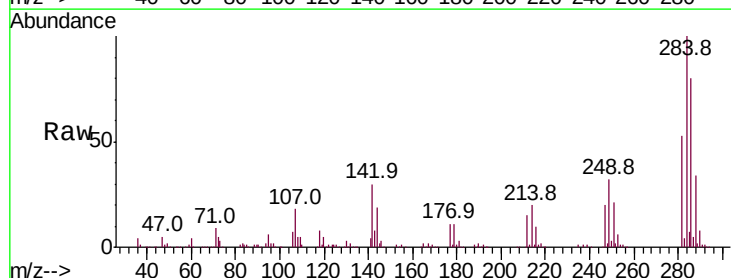


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

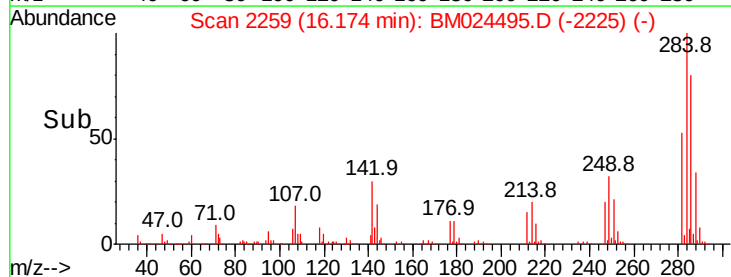
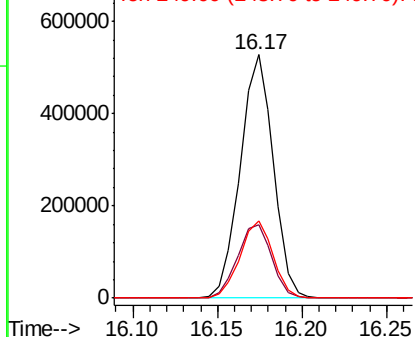


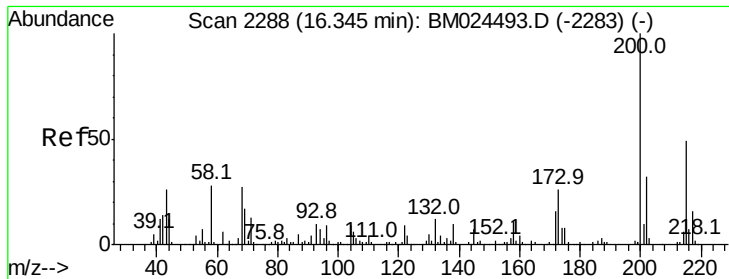
#67
Hexachlorobenzene
Concen: 35.332 ng/ul
RT: 16.17 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BM024495.D
Acq: 17 Jan 2020 13:50

Tgt Ion:284 Resp: 718168
Ion Ratio Lower Upper
284 100
142 30.3 26.5 39.7
249 31.6 26.2 39.4



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

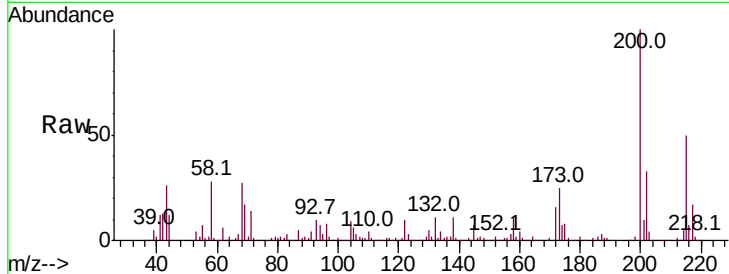




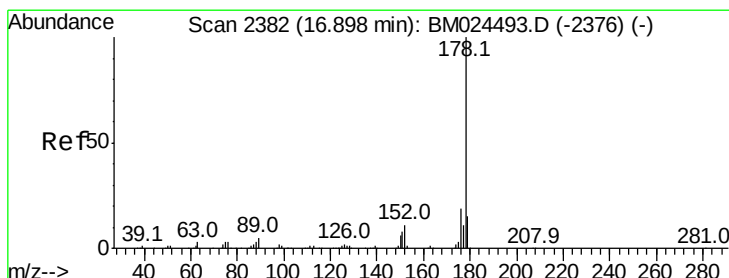
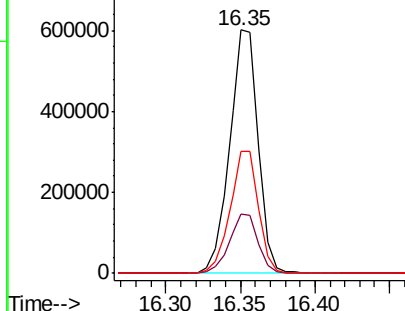
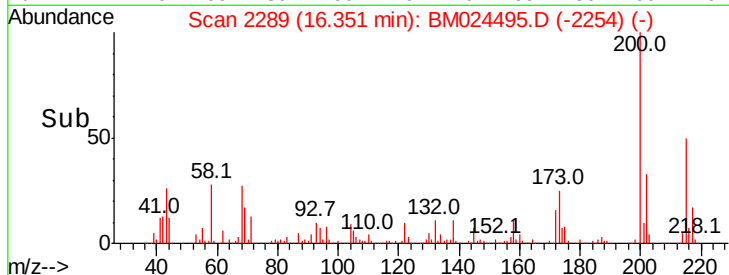
#68
 Atrazine
 Concen: 45.981 ng/ul
 RT: 16.35 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: BM024495.D
 Acq: 17 Jan 2020 13:50

Instrument :
 BNA_M
 ClientSampleId :
 X2L45

Tot Ion:200 Resp: 802379
 Ion Ratio Lower Upper
 200 100
 173 24.6 20.7 31.1
 215 50.1 40.6 60.8

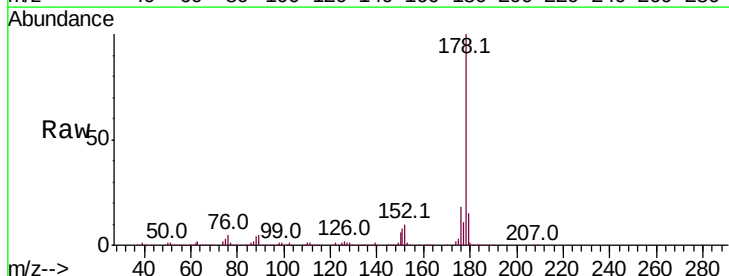


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

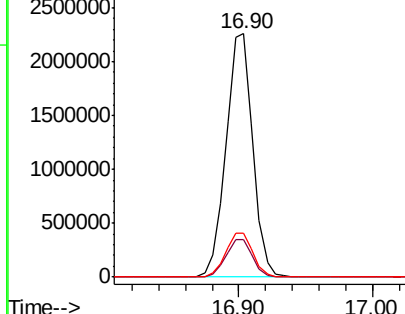
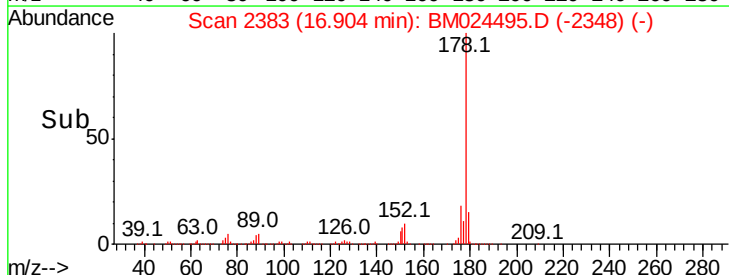


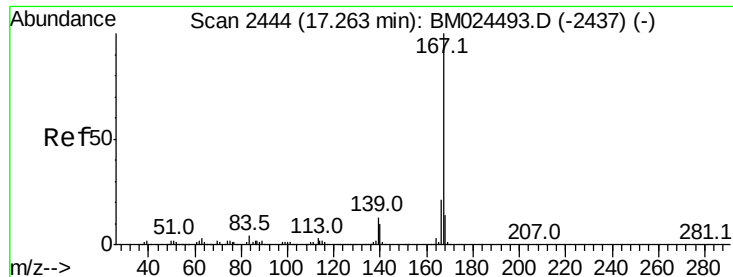
#70
 Phenanthrene
 Concen: 39.487 ng/ul
 RT: 16.90 min Scan# 2383
 Delta R.T. 0.01 min
 Lab File: BM024495.D
 Acq: 17 Jan 2020 13:50

Tgt Ion:178 Resp: 3179323
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.3 18.5
 176 18.3 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





#75

Carbazole

Concen: 64.641 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

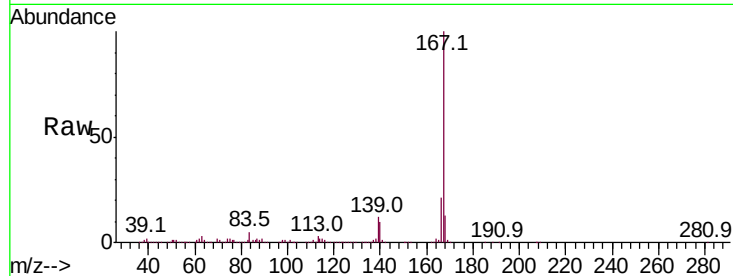
Tot Ion:167 Resp: 4465782

Ion Ratio Lower Upper

167 100

166 21.1 17.1 25.7

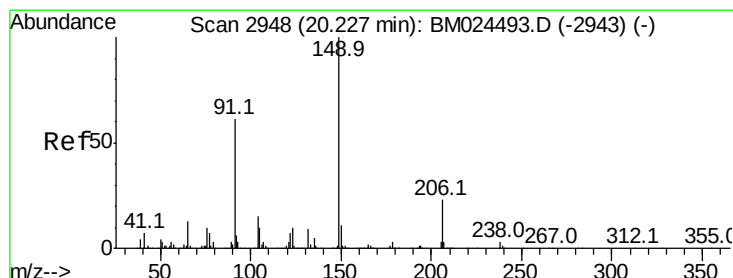
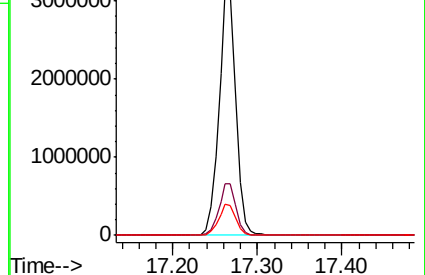
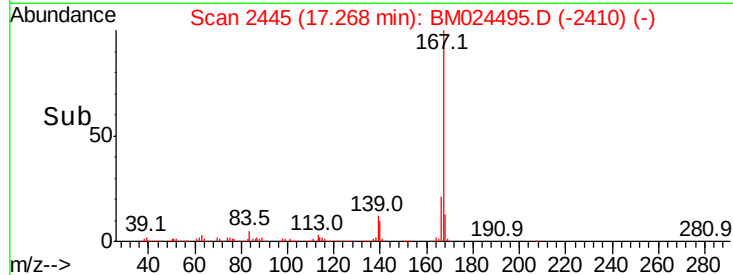
139 12.3 10.6 15.8



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



#81

Butylbenzylphthalate

Concen: 42.491 ng/ul

RT: 20.23 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

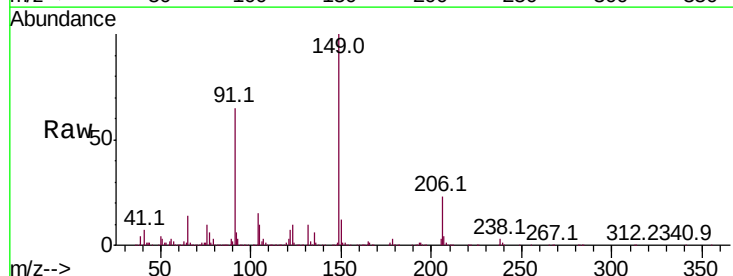
Tgt Ion:149 Resp: 1564313

Ion Ratio Lower Upper

149 100

91 64.8 50.6 75.8

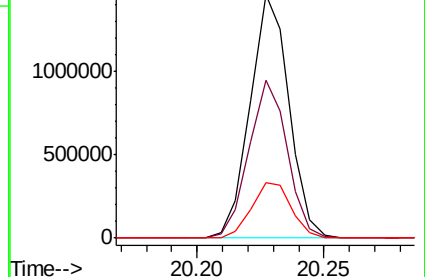
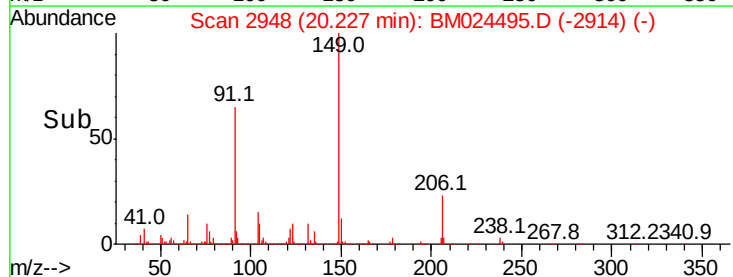
206 22.9 19.0 28.6

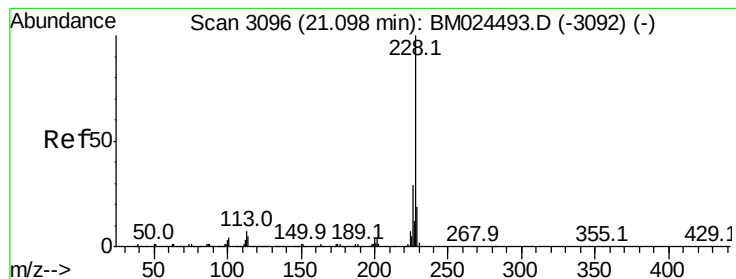


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#85

Chrysene

Concen: 43.605 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

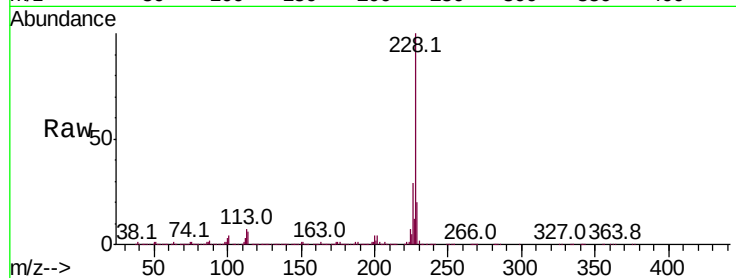
Tot Ion:228 Resp: 4382989

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	19.6	16.1	24.1

228 100

226 29.4 23.4 35.2

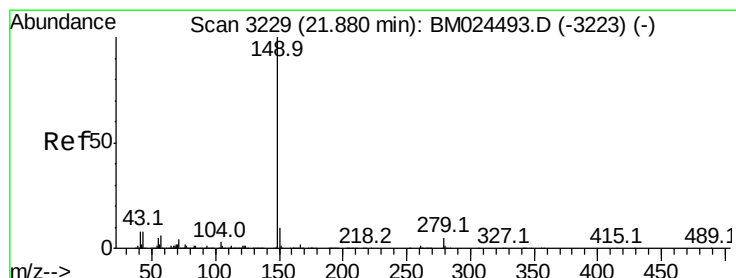
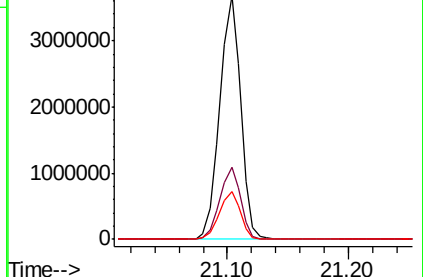
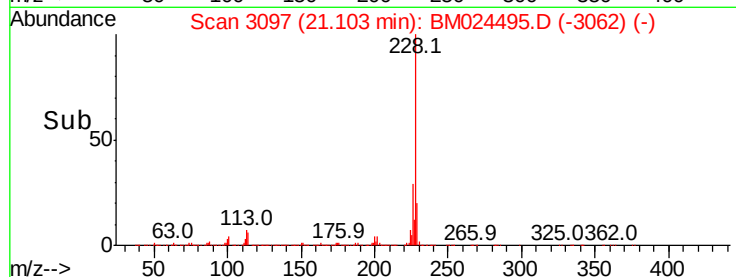
229 19.6 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

5000000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 53.357 ng/ul

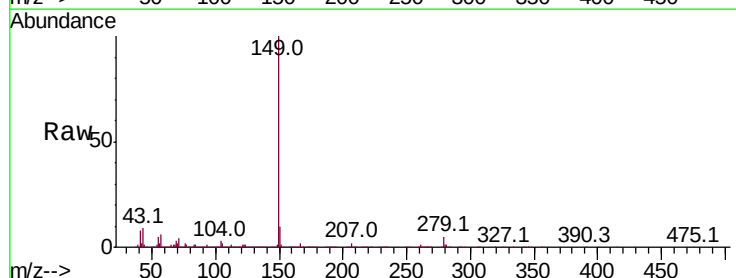
RT: 21.88 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Tgt Ion:149 Resp: 5949959



Abundance Ion 149.00 (148.70 to 149.70): E

6000000

5000000

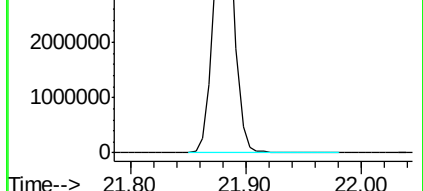
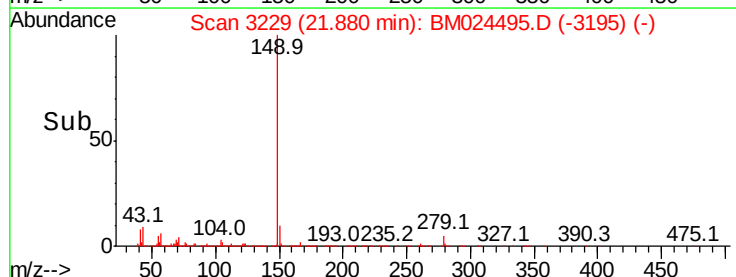
4000000

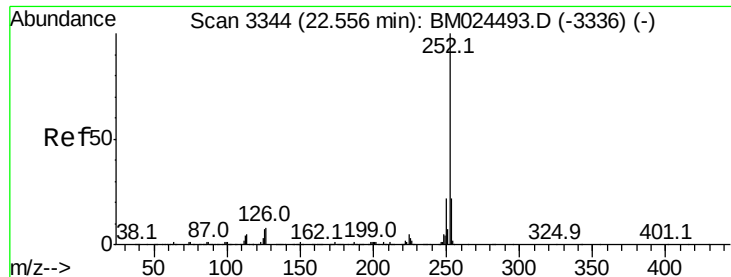
3000000

2000000

1000000

0





#88

Benzo(b)fluoranthene

Concen: 54.136 ng/ul

RT: 22.57 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

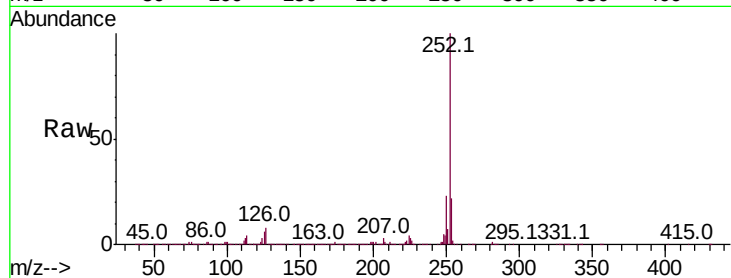
Tot Ion:252 Resp: 5829260

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

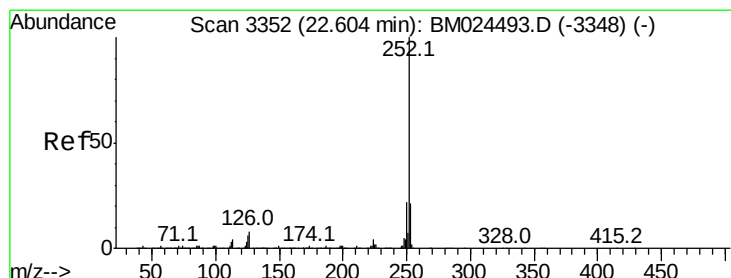
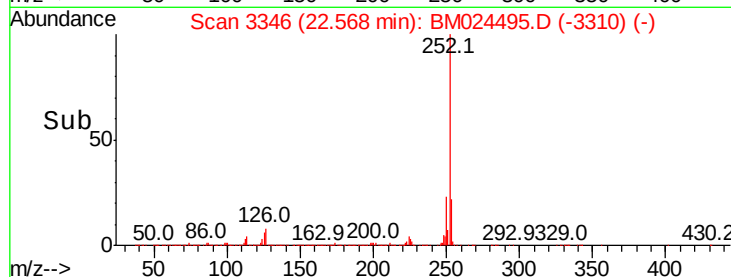
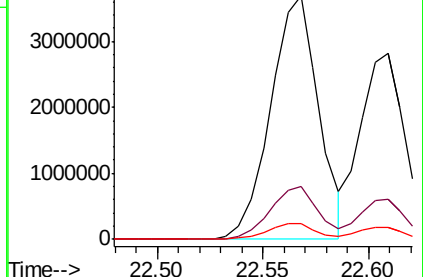
125 6.3 5.3 7.9



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: 39.343 ng/ul

RT: 22.61 min Scan# 3353

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

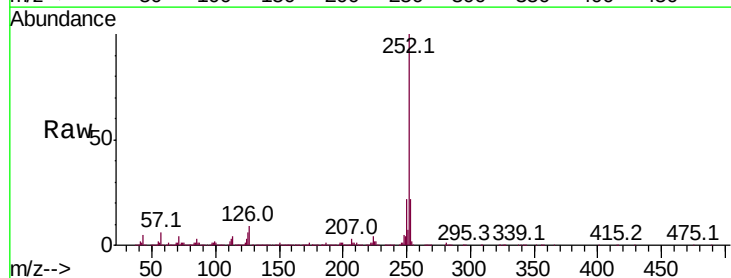
Tgt Ion:252 Resp: 4163442

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

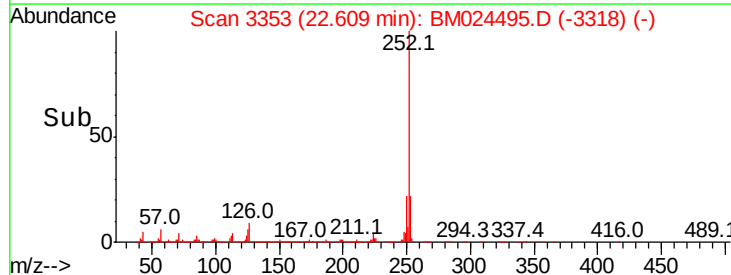
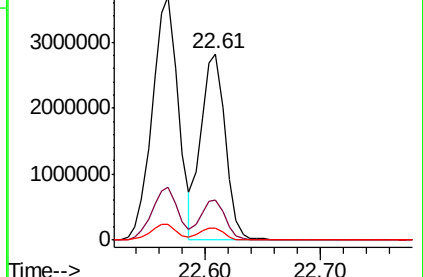
125 6.4 5.2 7.8

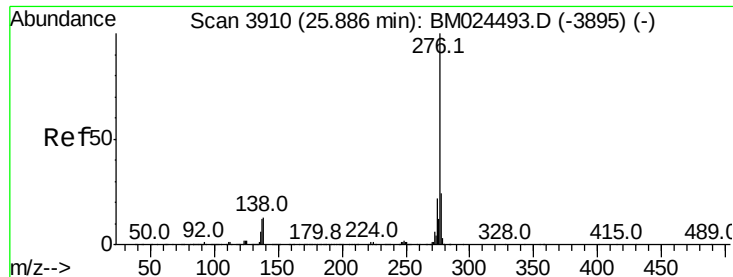


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#94

Benzo(a,h,i)perylene

Concen: 56.495 ng/ul

RT: 25.90 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM024495.D

Acq: 17 Jan 2020 13:50

Instrument :

BNA_M

ClientSampleId :

X2L45

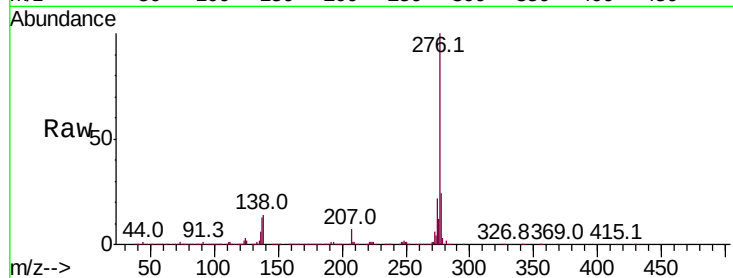
Tot Ion:276 Resp: 4396135

Ion Ratio Lower Upper

276 100

138 14.4 12.2 18.2

277 23.8 18.8 28.2



Abundance Ion 276.00 (275.70 to 276.70): E

2000000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

