

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091620\
 Data File : BM027444.D
 Acq On : 16 Sep 2020 16:18
 Operator : JU/CG
 Sample : L3971-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Sep 16 16:52:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM090220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 13:41:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	78802	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	283054	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	179690	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	410431	20.00	ng	0.00
76) Chrysene-d12	21.15	240	418828	20.00	ng	0.00
86) Perylene-d12	23.31	264	439906	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	664910	140.48	ng	0.00
7) Phenol-d6	6.75	99	829875	129.93	ng	0.00
23) Nitrobenzene-d5	8.70	82	672331	101.47	ng	0.00
42) 2,4,6-Tribromophenol	15.69	330	422288	134.03	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1371069	101.47	ng	0.00
79) Terphenyl-d14	19.59	244	2349054	97.62	ng	0.00

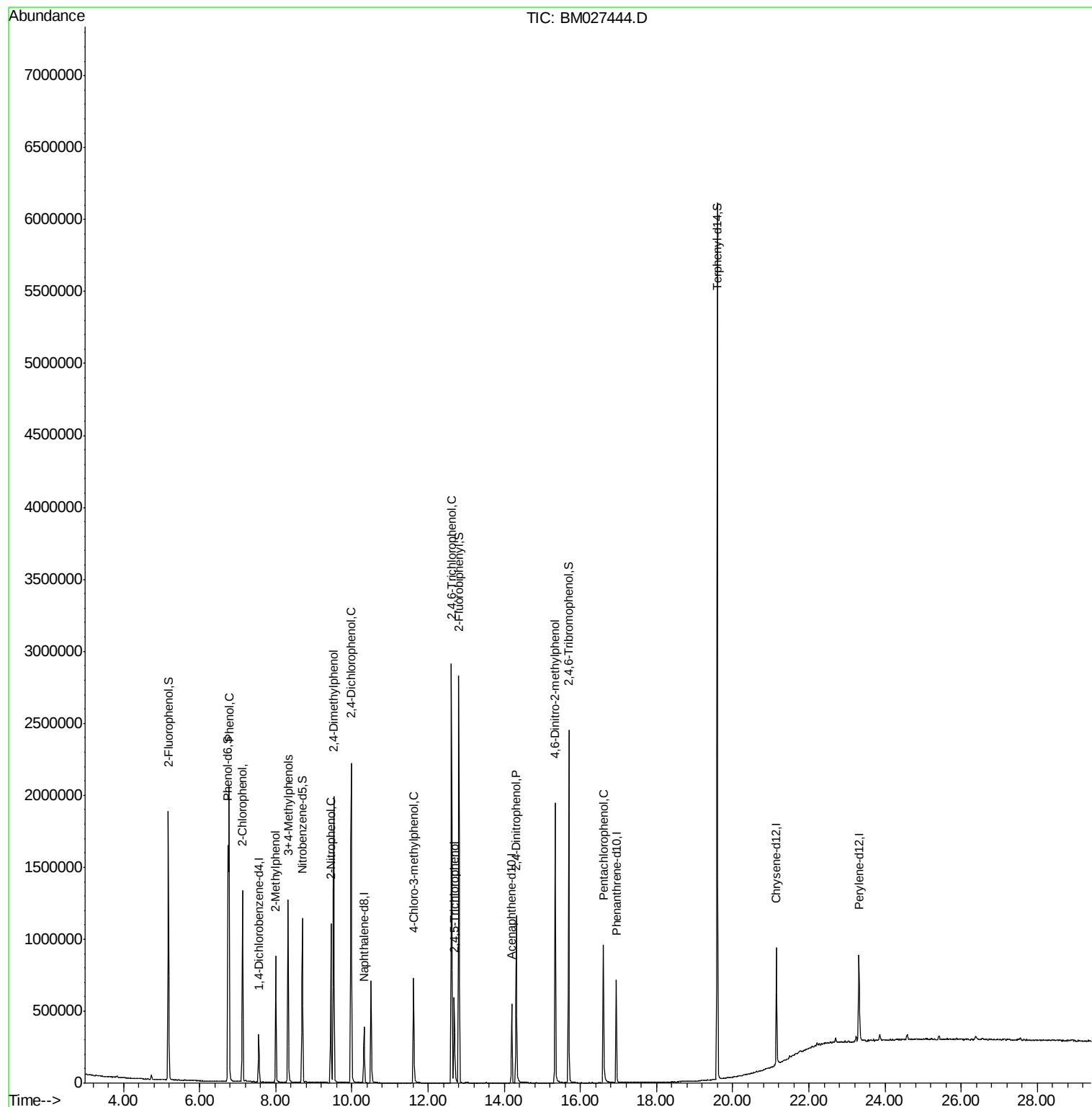
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	7.13	128	495195	102.770	ng	99
10) Phenol	6.77	94	927625	151.135	ng	99
17) 2-Methylphenol	8.00	107	223068	53.522	ng	98
20) 3+4-Methylphenols	8.32	107	480108	84.431	ng	93
26) 2-Nitrophenol	9.45	139	273104	106.665	ng	96
27) 2,4-Dimethylphenol	9.52	122	484035	110.694	ng	98
29) 2,4-Dichlorophenol	9.98	162	737304	146.445	ng	98
36) 4-Chloro-3-methylphenol	11.62	107	237356	43.878	ng	98
43) 2,4,6-Trichlorophenol	12.62	196	639716	161.288	ng	97
44) 2,4,5-Trichlorophenol	12.69	196	165311	38.341	ng	97
54) 2,4-Dinitrophenol	14.32	184	229327	106.945	ng	95
65) 4,6-Dinitro-2-methylphenol	15.34	198	391113	148.484	ng	95
70) Pentachlorophenol	16.60	266	177780	49.700	ng	98

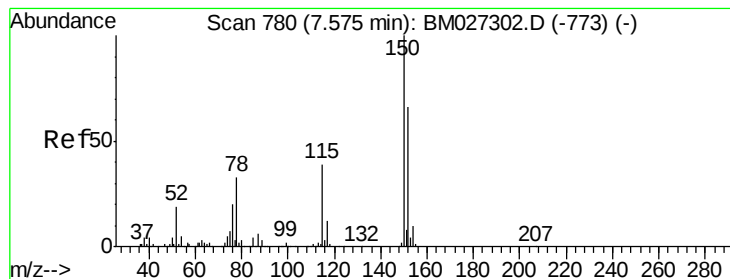
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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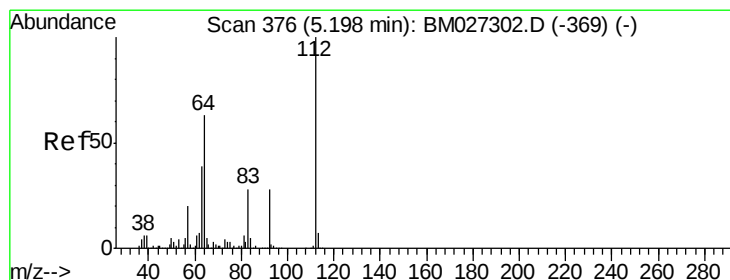
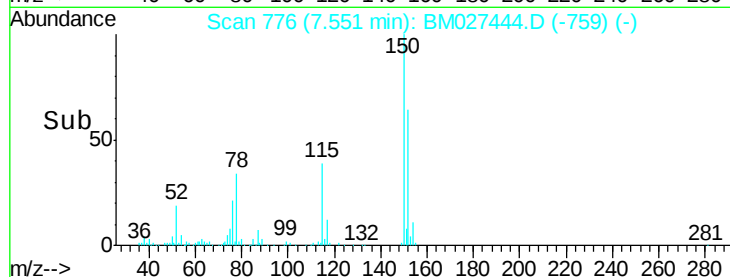
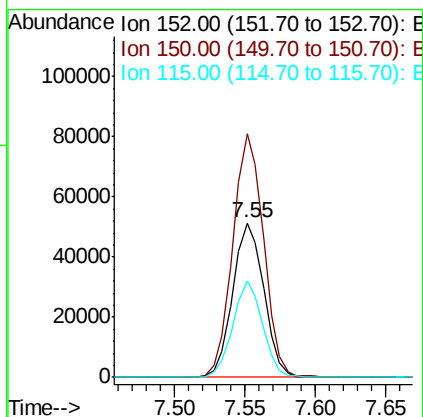
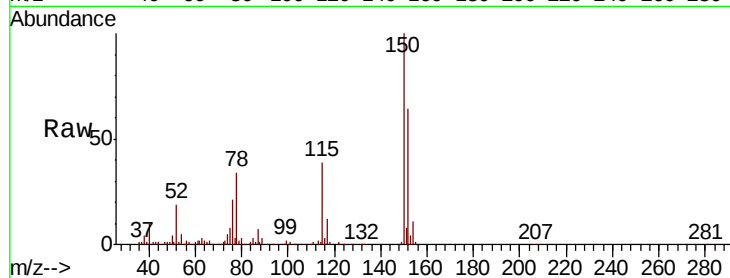


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 776
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

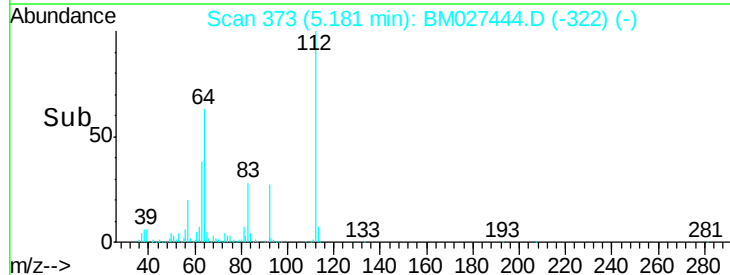
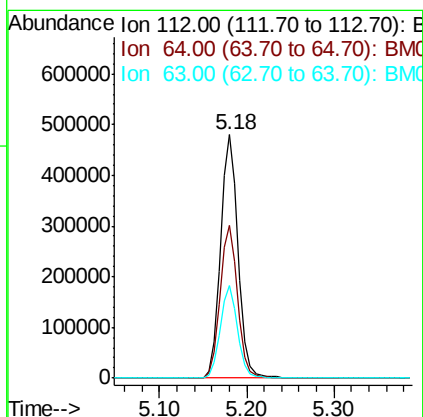
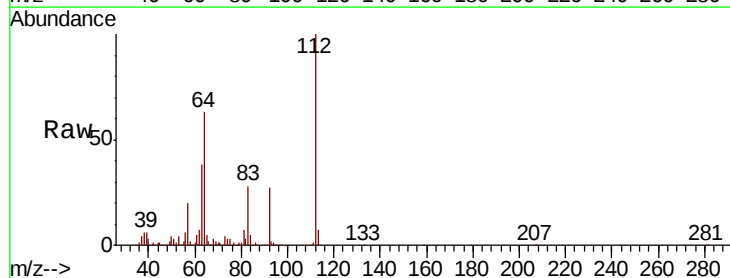
Tot Ion:152 Resp: 78802
Ion Ratio Lower Upper
152 100
150 157.5 120.6 181.0
115 62.1 47.2 70.8

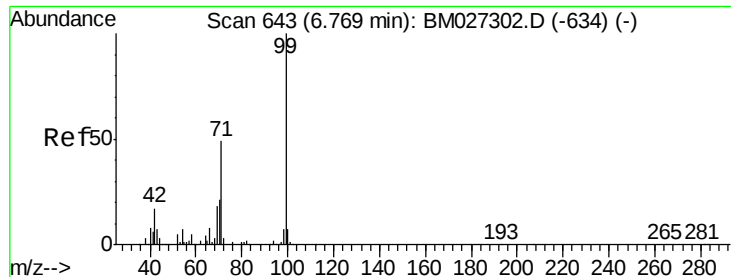


#5

2-Fluorophenol
Concen: 140.477 ng
RT: 5.18 min Scan# 373
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

Tgt Ion:112 Resp: 664910
Ion Ratio Lower Upper
112 100
64 62.8 50.6 76.0
63 37.8 31.0 46.6





#7

Phenol-d6

Concen: 129.926 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

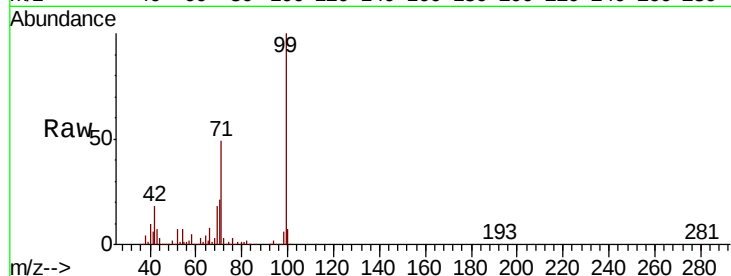
Tot Ion: 99 Resp: 829875

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

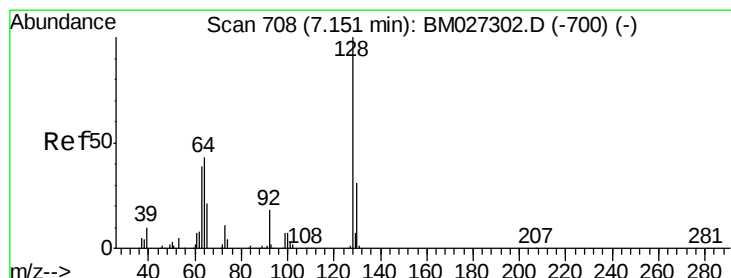
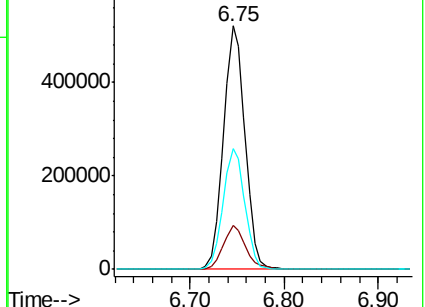
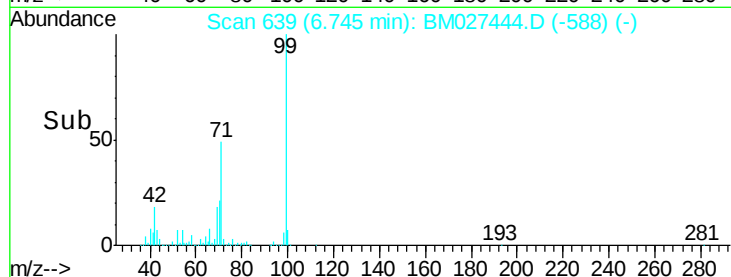
71 49.4 39.4 59.0



Abundance Ion 99.00 (98.70 to 99.70): BM027302.D (-634) (-)

Ion 42.00 (41.70 to 42.70): BM027302.D (-634) (-)

Ion 71.00 (70.70 to 71.70): BM027302.D (-634) (-)



#8

2-Chlorophenol

Concen: 102.770 ng

RT: 7.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

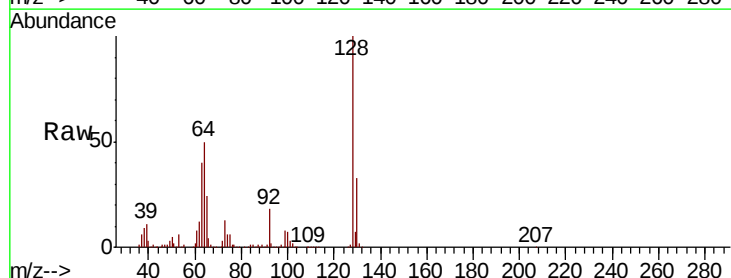
Tgt Ion: 128 Resp: 495195

Ion Ratio Lower Upper

128 100

130 32.6 11.5 51.5

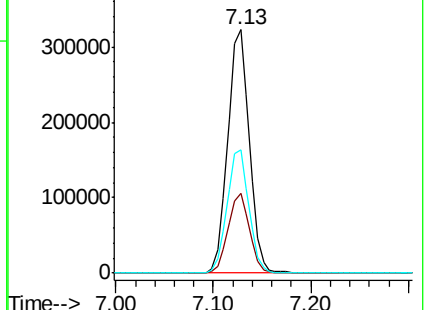
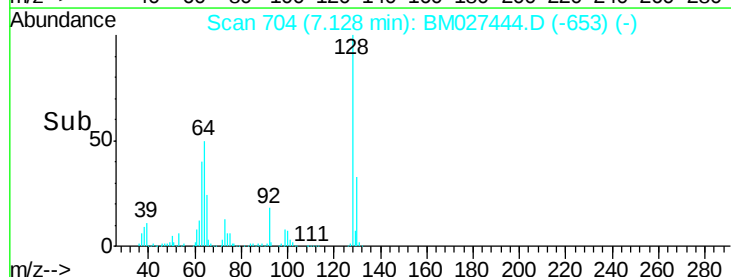
64 50.4 30.1 70.1

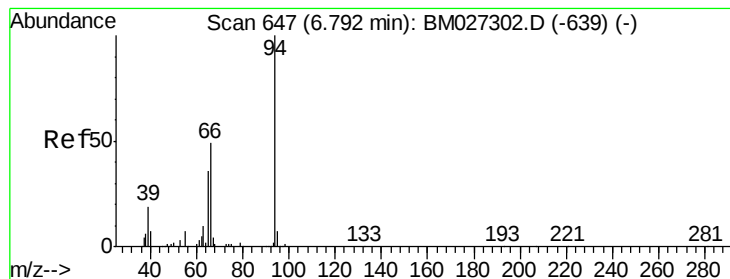


Abundance Ion 128.00 (127.70 to 128.70): BM027302.D (-700) (-)

Ion 130.00 (129.70 to 130.70): BM027302.D (-700) (-)

Ion 64.00 (63.70 to 64.70): BM027302.D (-700) (-)





#10

Phenol

Concen: 151.135 ng

RT: 6.77 min Scan# 644

Delta R.T. 0.01 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

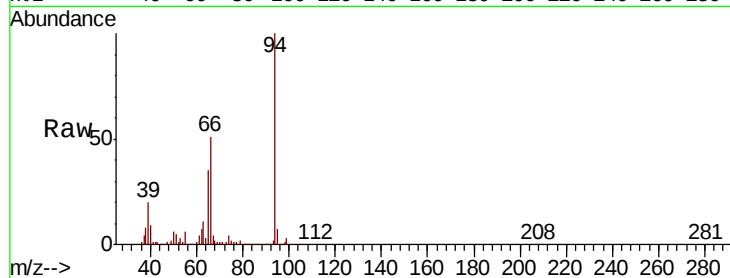
Tot Ion: 94 Resp: 927625

Ion Ratio Lower Upper

94 100

65 35.1 16.4 56.4

66 50.9 30.2 70.2

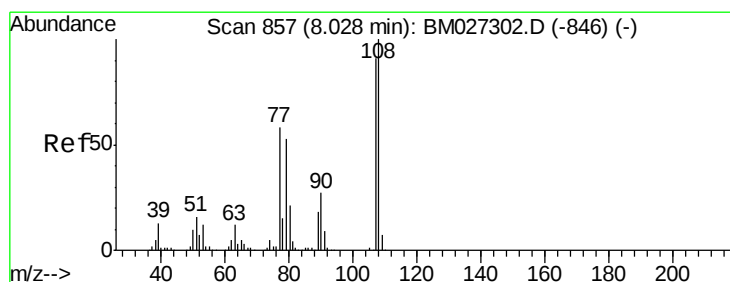
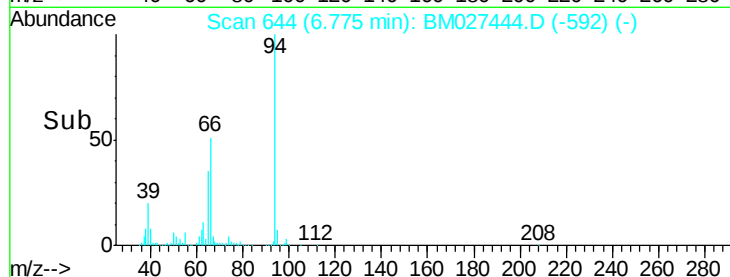
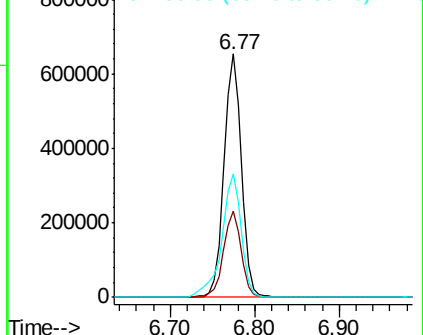


Abundance

Ion 94.00 (93.70 to 94.70): BM027302.D (-639) (-)

Ion 65.00 (64.70 to 65.70): BM027302.D (-639) (-)

Ion 66.00 (65.70 to 66.70): BM027302.D (-639) (-)



#17

2-Methylphenol

Concen: 53.522 ng

RT: 8.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Tgt Ion: 107 Resp: 223068

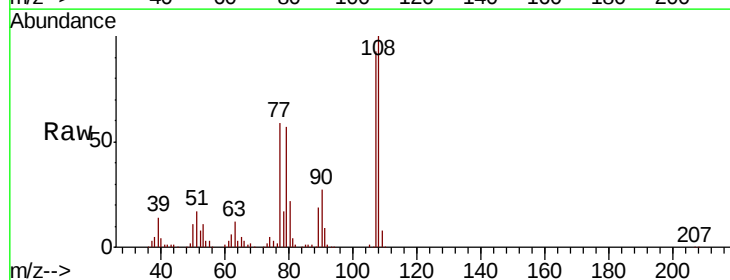
Ion Ratio Lower Upper

107 100

108 107.2 87.8 131.6

77 63.6 50.9 76.3

79 61.1 46.6 69.8



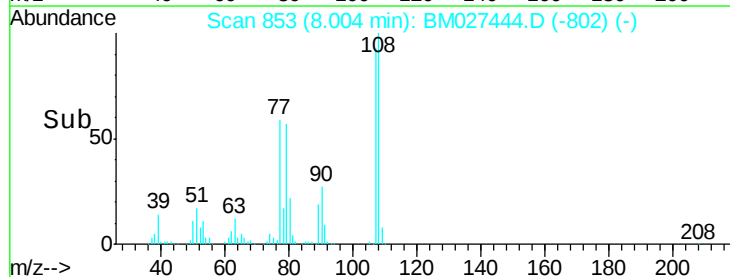
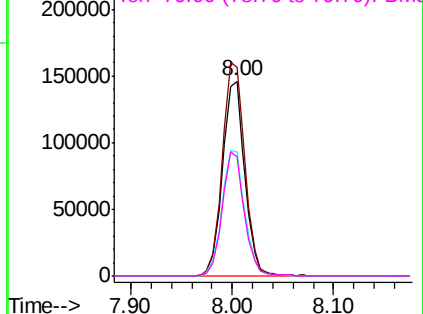
Abundance

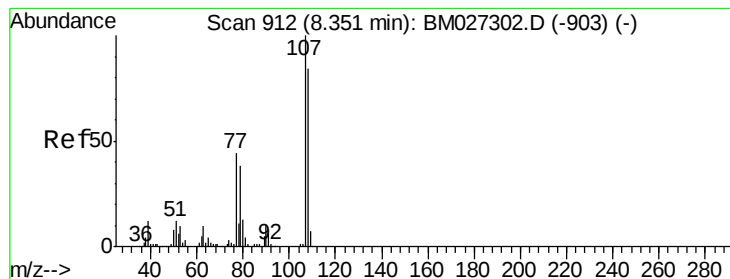
Ion 107.00 (106.70 to 107.70): BM027302.D (-846) (-)

Ion 108.00 (107.70 to 108.70): BM027302.D (-846) (-)

Ion 77.00 (76.70 to 77.70): BM027302.D (-846) (-)

Ion 79.00 (78.70 to 79.70): BM027302.D (-846) (-)





#20

3+4-Methylphenols

Concen: 84.431 ng

RT: 8.32 min Scan# 907

Delta R.T. -0.01 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WP

Tot Ion:107 Resp: 480108

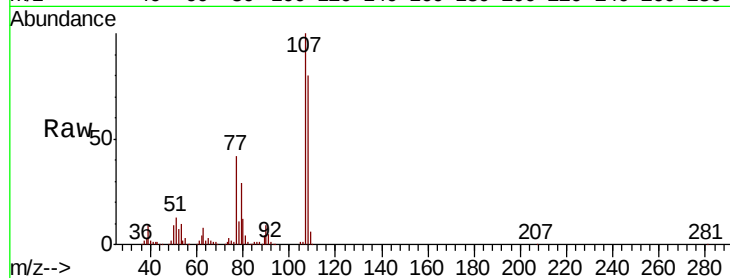
Ion Ratio Lower Upper

107 100

108 79.7 64.5 104.5

77 42.0 24.2 64.2

79 29.4 17.8 57.8

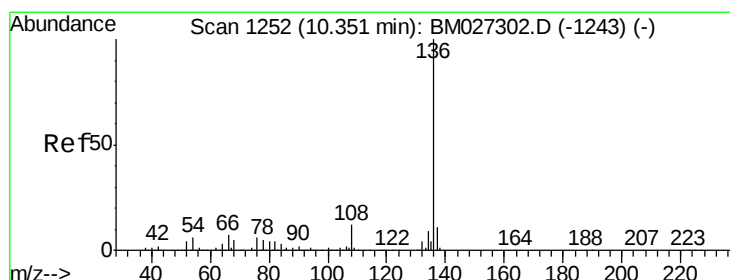
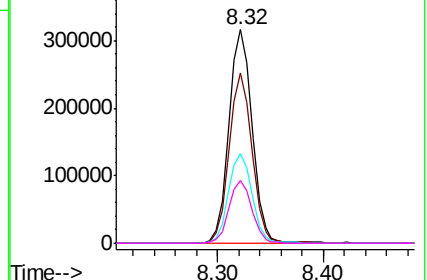
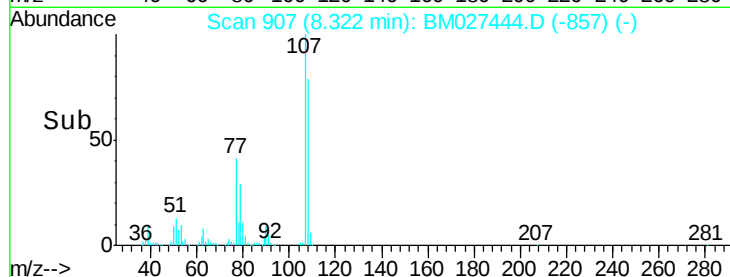


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Tgt Ion:136 Resp: 283054

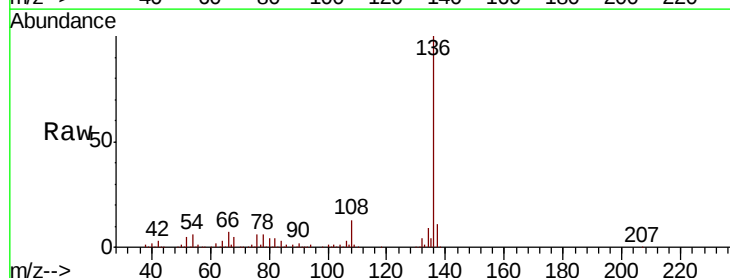
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.2 4.6 7.0

68 4.8 4.1 6.1

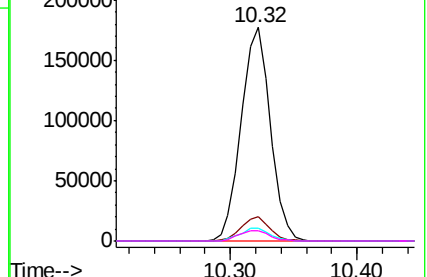
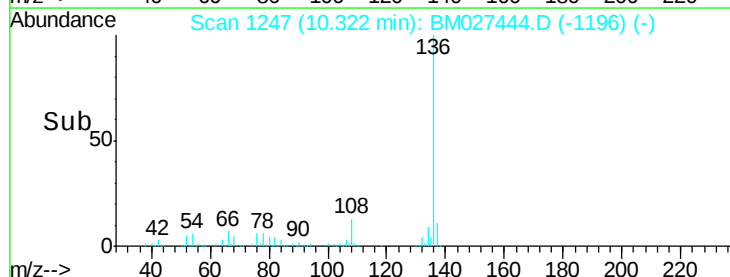


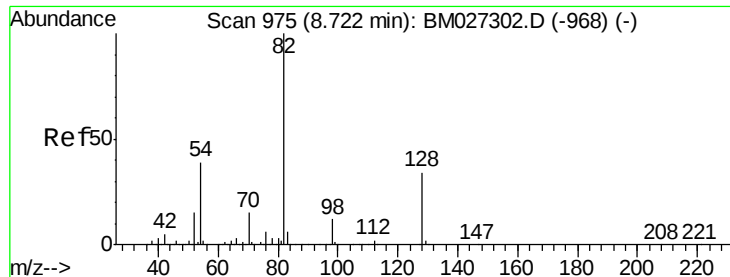
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

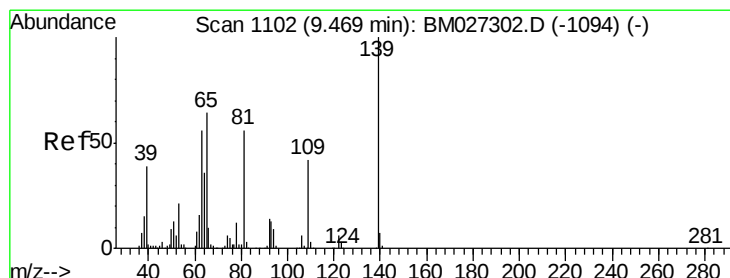
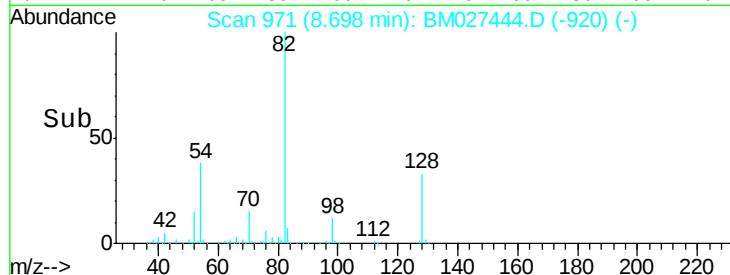
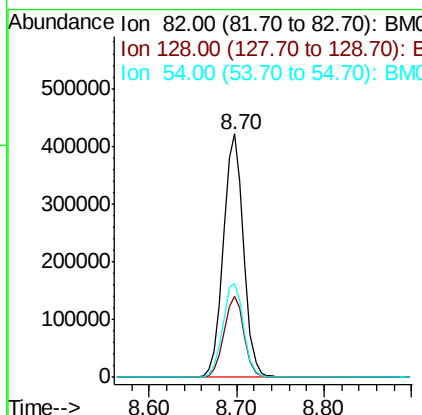
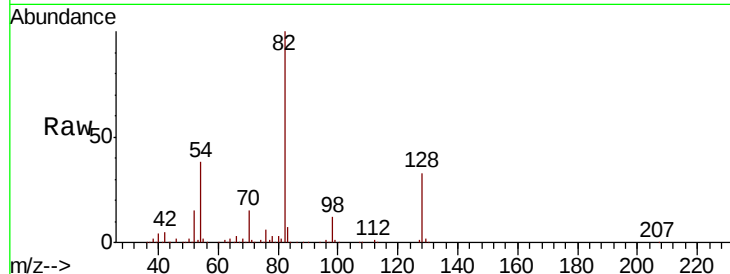




#23
 Nitrobenzene-d5
 Concen: 101.475 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

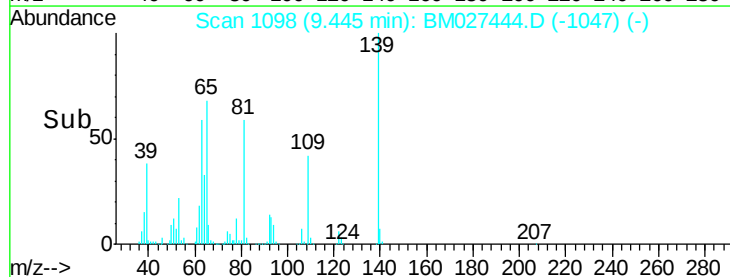
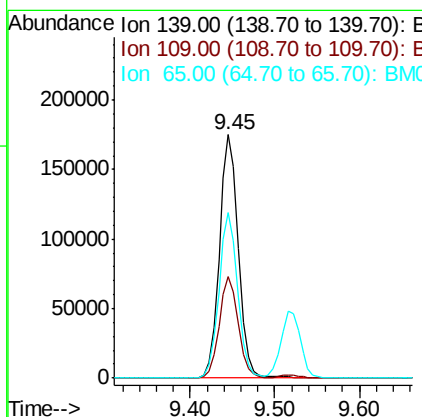
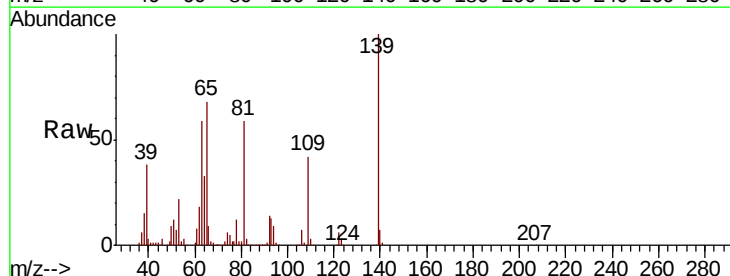
Instrument :
 BNA_M
 ClientSampled :
 PT-ACIDS-WP

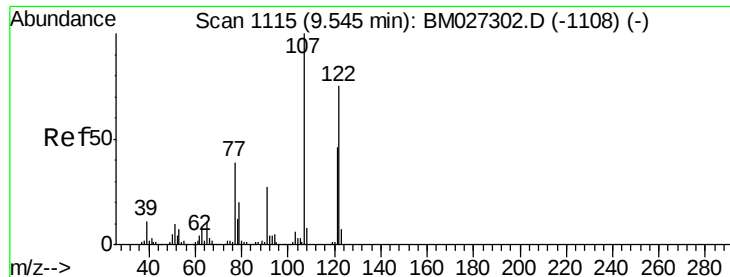
Tot Ion	82	Resp	672331
Ion Ratio	Lower	Upper	
82	100		
128	33.1	27.4	41.0
54	38.4	31.4	47.0



#26
 2-Nitrophenol
 Concen: 106.665 ng
 RT: 9.45 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Tgt Ion	139	Resp	273104
Ion Ratio	Lower	Upper	
139	100		
109	41.9	33.8	50.8
65	68.2	51.0	76.6

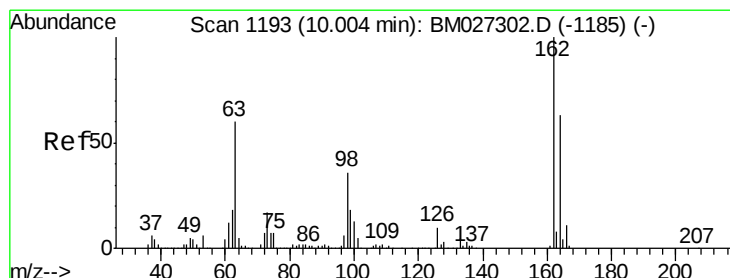
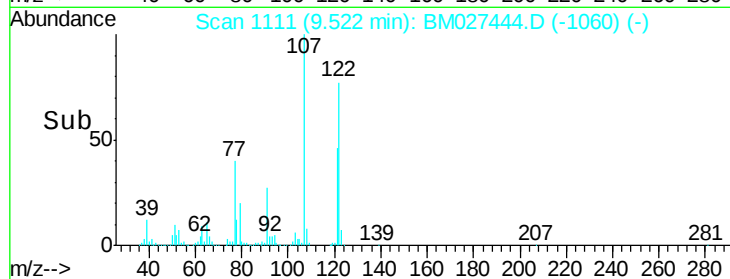
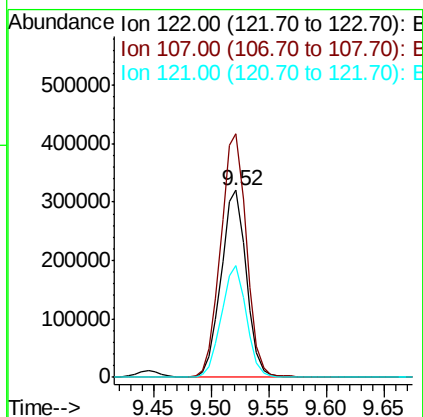
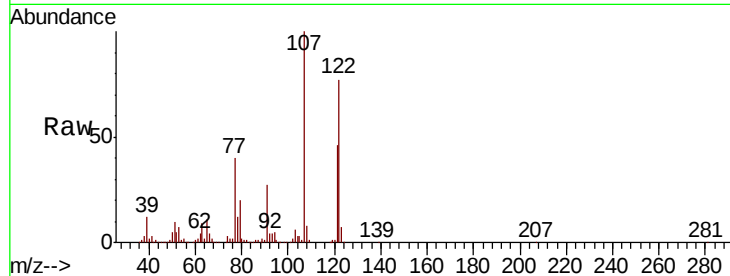




#27
2,4-Dimethylphenol
Concen: 110.694 ng
RT: 9.52 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

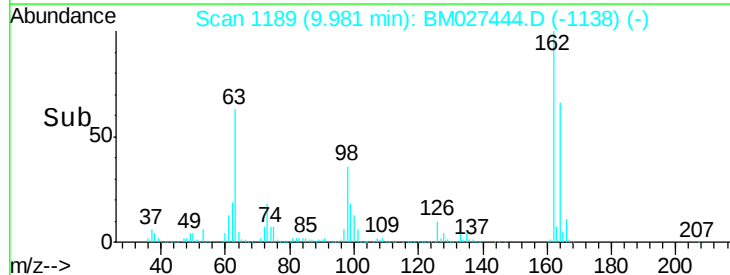
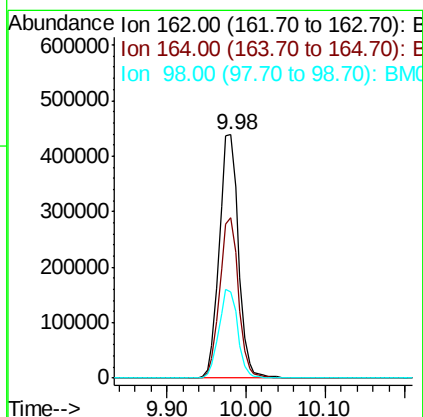
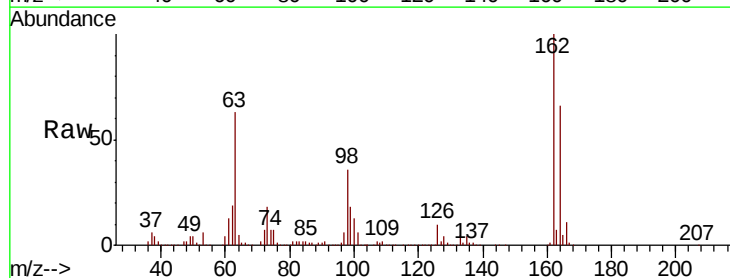
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

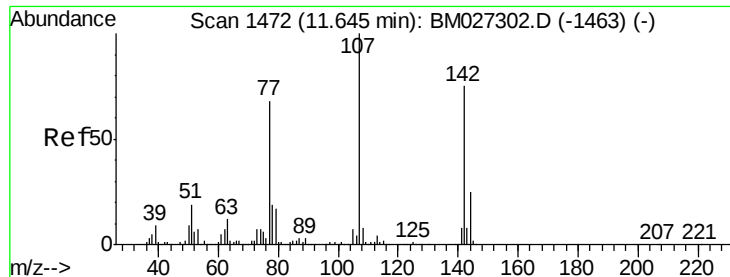
Tot Ion	Ratio	Lower	Upper
122	100		
107	130.4	106.6	159.8
121	59.8	48.8	73.2



#29
2,4-Dichlorophenol
Concen: 146.445 ng
RT: 9.98 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.0	43.2	83.2
98	35.5	15.7	55.7

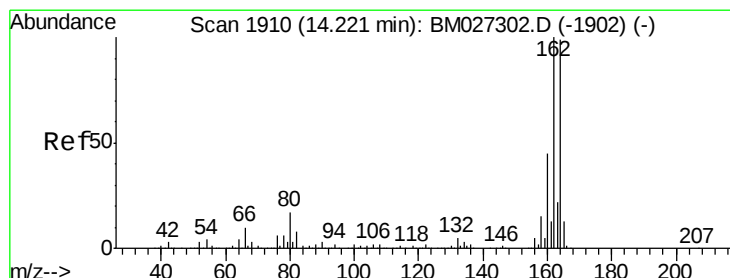
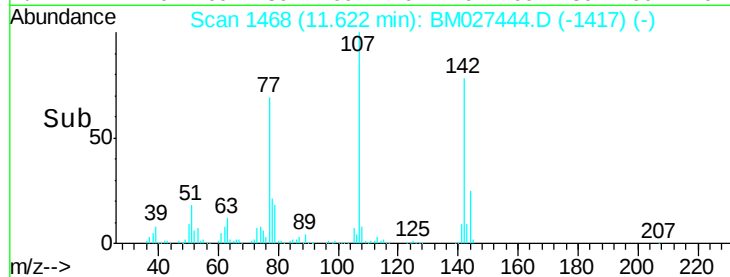
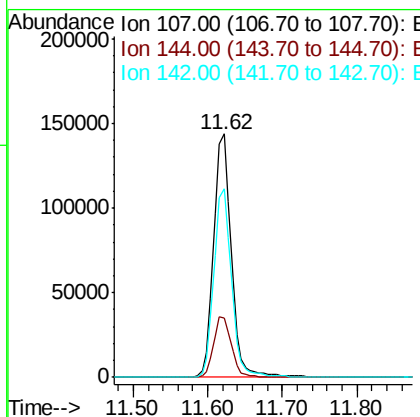
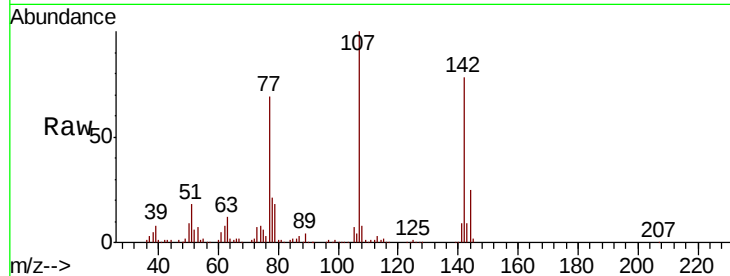




#36
4-Chloro-3-methylphenol
Concen: 43.878 ng
RT: 11.62 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

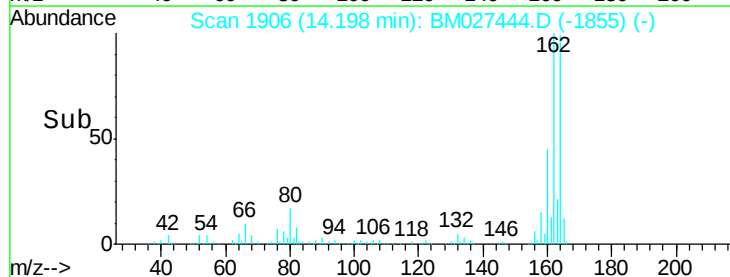
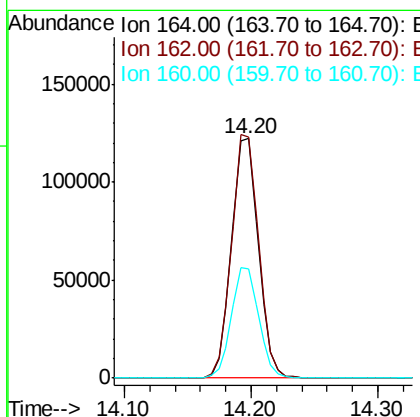
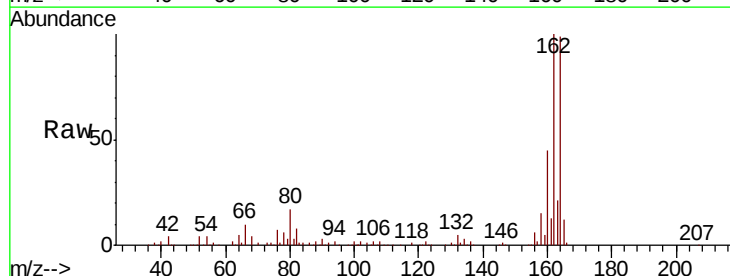
Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

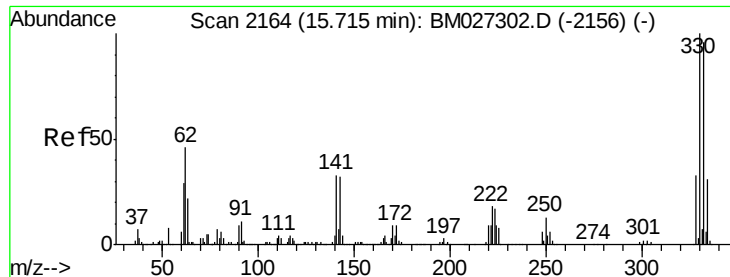
Tot Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.1	30.1
142	77.5	60.3	90.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.4	120.6
160	45.6	35.9	53.9

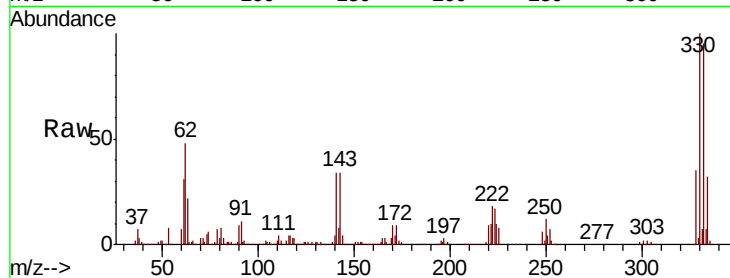




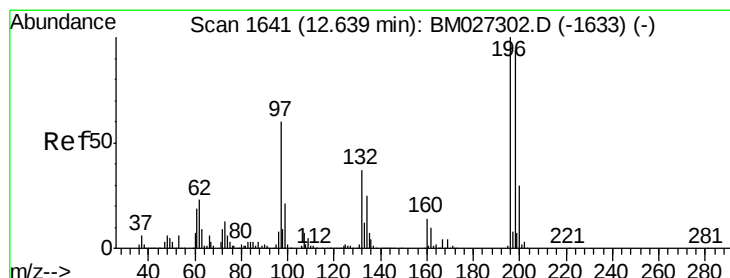
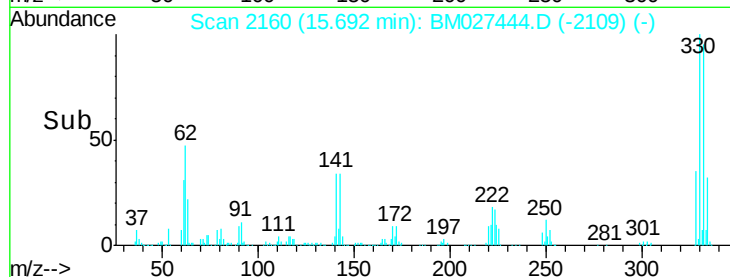
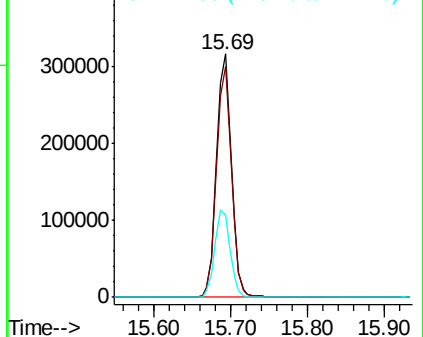
#42
 2,4,6-Tribromophenol
 Concen: 134.033 ng
 RT: 15.69 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:330 Resp: 422288
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.8 116.8
 141 37.3 28.4 42.6

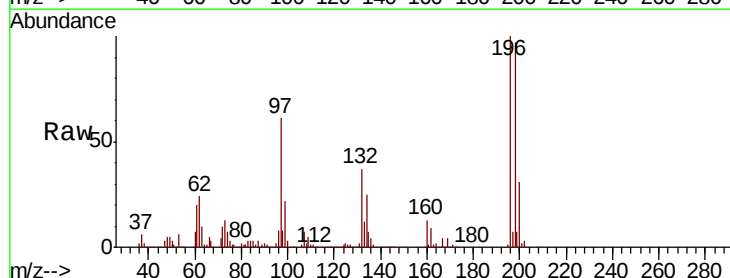


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

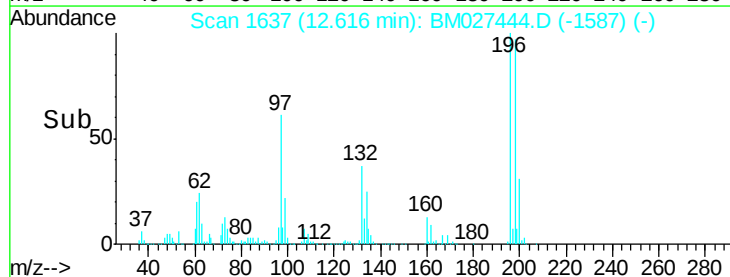
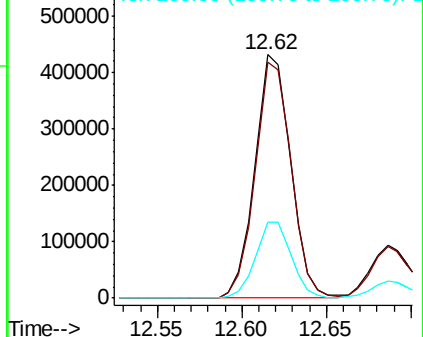


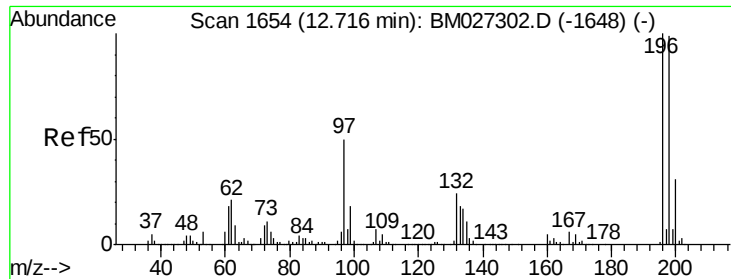
#43
 2,4,6-Trichlorophenol
 Concen: 161.288 ng
 RT: 12.62 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Tgt Ion:196 Resp: 639716
 Ion Ratio Lower Upper
 196 100
 198 96.8 74.9 112.3
 200 31.0 23.7 35.5



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

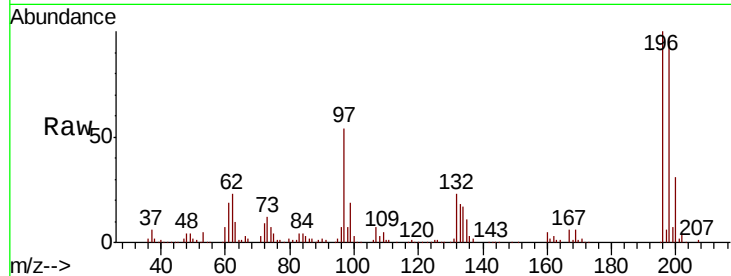




#44
 2,4,5-Trichlorophenol
 Concen: 38.341 ng
 RT: 12.69 min Scan# 1649
 Delta R.T. -0.01 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.1	79.0	118.6
97	54.1	40.5	60.7
132	23.3	19.3	28.9



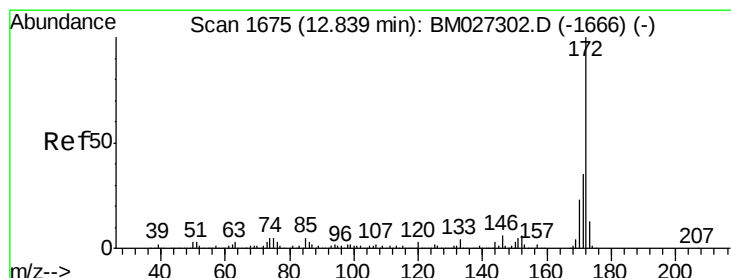
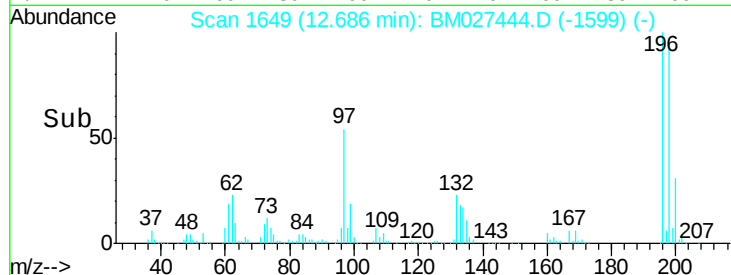
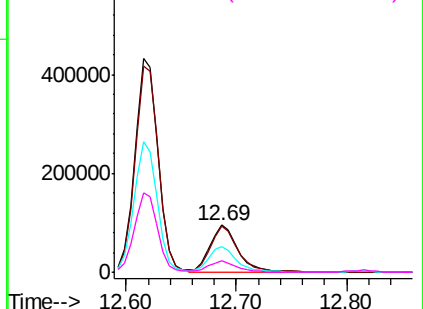
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

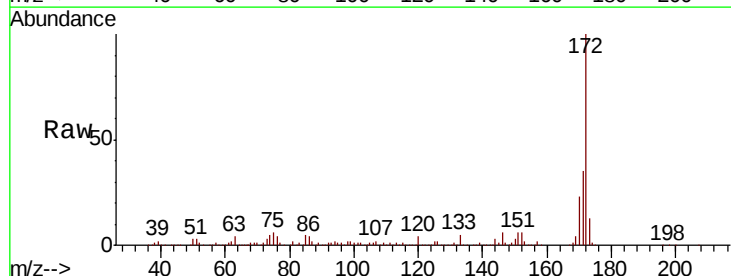
Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.473 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	23.3	18.6	27.8

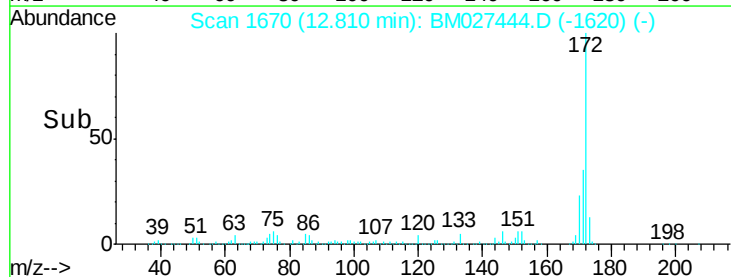
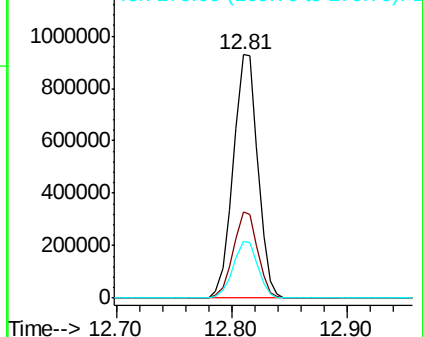


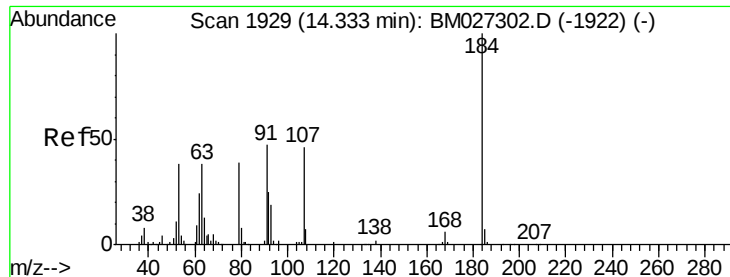
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

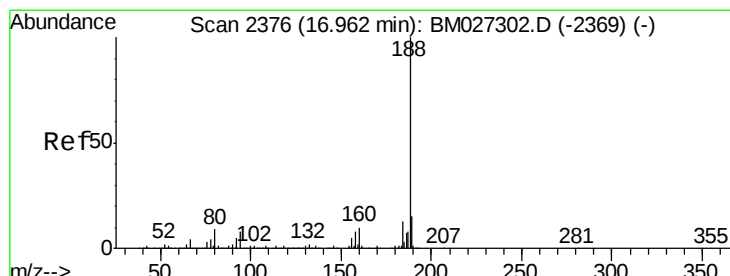
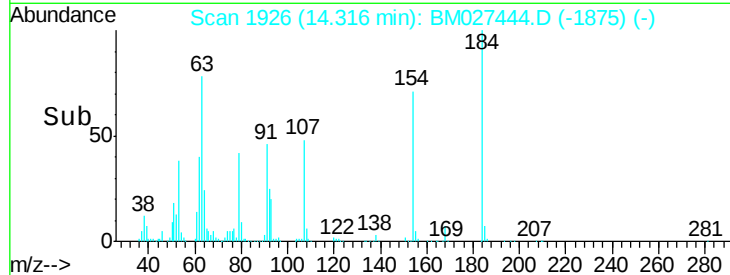
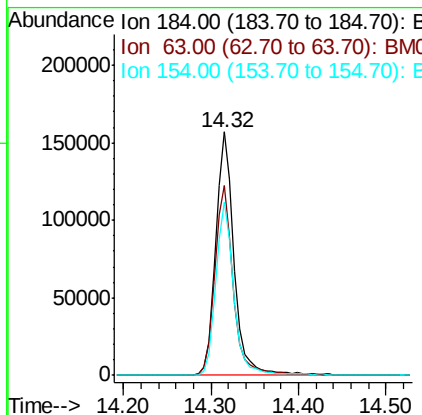
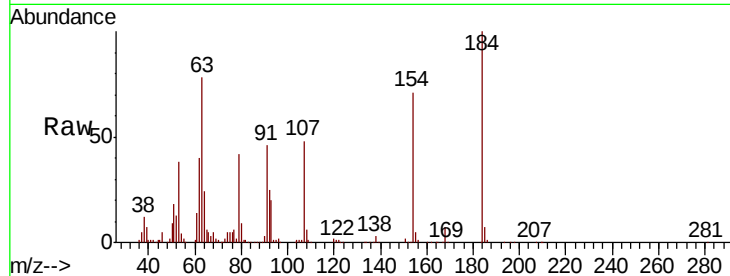




#54
 2,4-Dinitrophenol
 Concen: 106.945 ng
 RT: 14.32 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

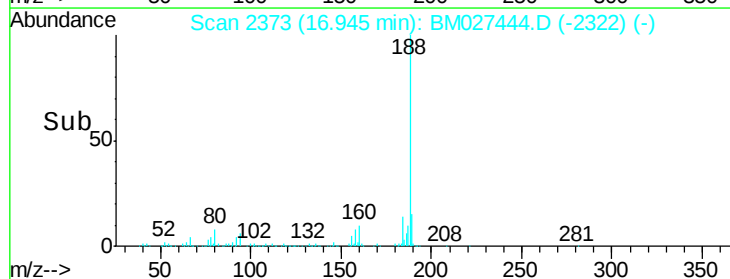
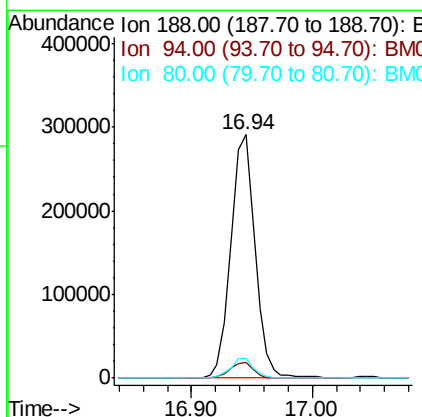
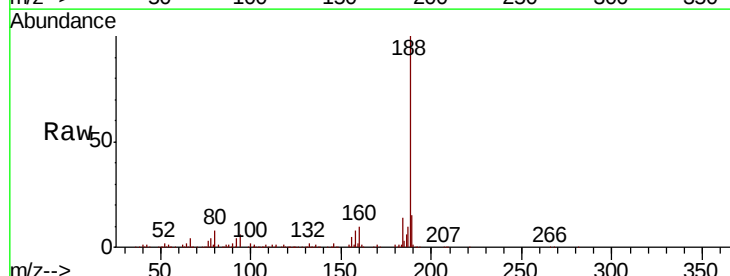
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

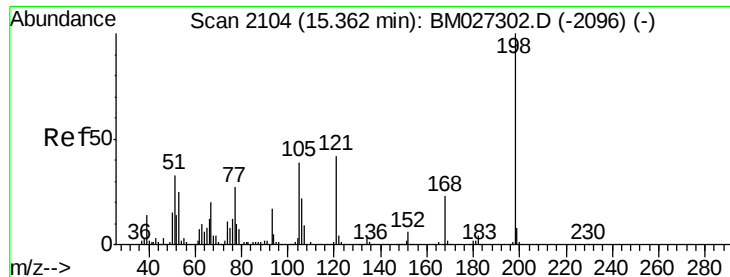
Tot Ion:184 Resp: 229327
 Ion Ratio Lower Upper
 184 100
 63 77.9 60.2 90.2
 154 71.0 52.9 79.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.94 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Tgt Ion:188 Resp: 410431
 Ion Ratio Lower Upper
 188 100
 94 6.4 6.2 9.4
 80 7.9 7.5 11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 148.484 ng

RT: 15.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Instrument :

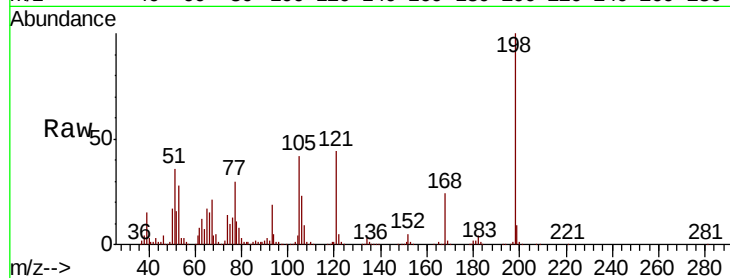
BNA_M

ClientSampleId :

PT-ACIDS-WP

Tot Ion:198 Resp: 391113

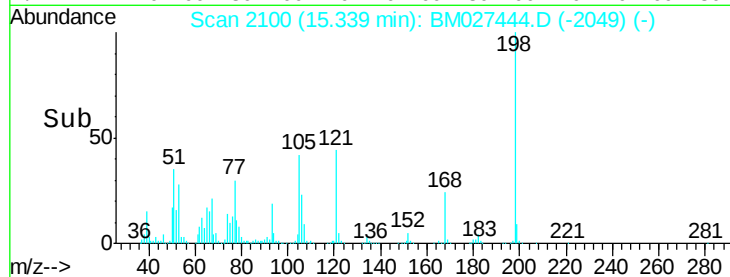
Ion	Ratio	Lower	Upper
198	100		
51	35.6	13.0	53.0
105	41.7	18.7	58.7



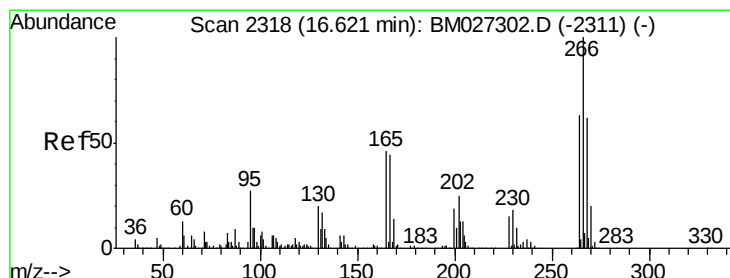
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



Time-->



#70

Pentachlorophenol

Concen: 49.700 ng

RT: 16.60 min Scan# 2315

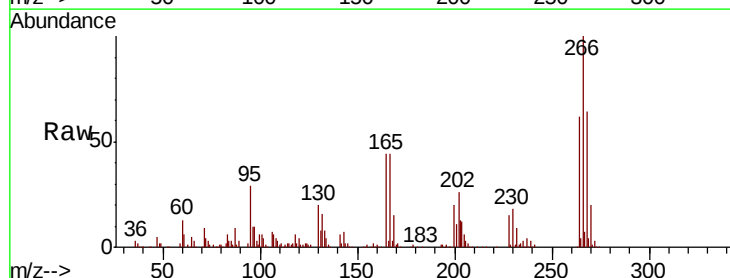
Delta R.T. -0.00 min

Lab File: BM027444.D

Acq: 16 Sep 2020 16:18

Tgt Ion:266 Resp: 177780

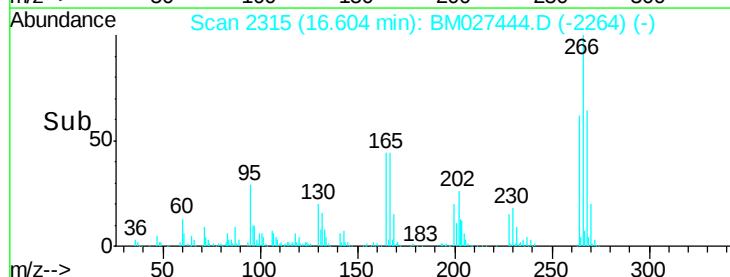
Ion	Ratio	Lower	Upper
266	100		
268	63.7	49.9	74.9
264	61.7	50.6	76.0



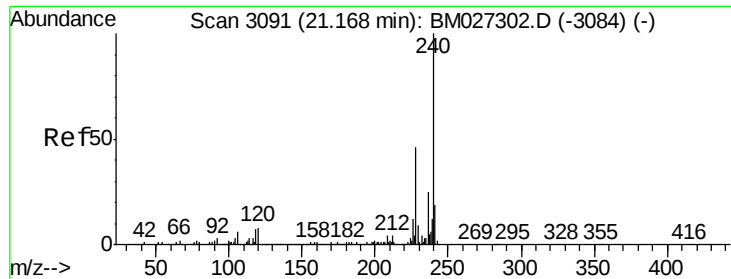
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



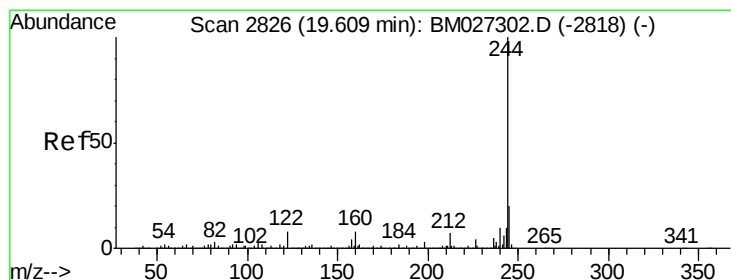
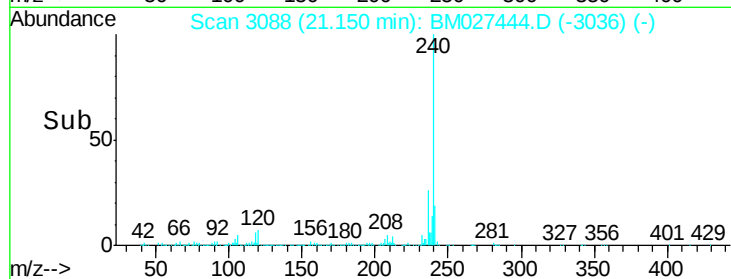
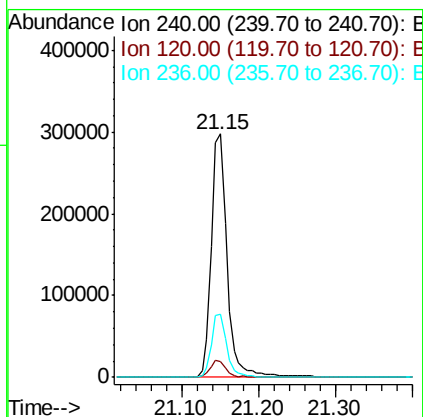
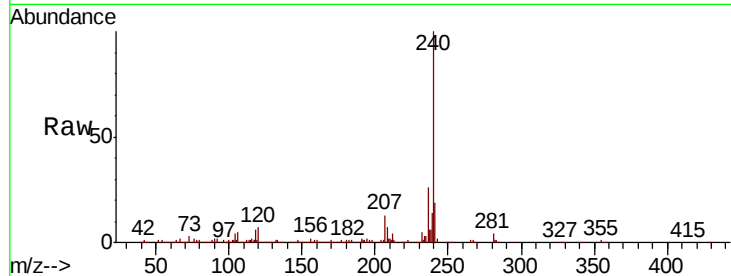
Time-->



#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. 0.01 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

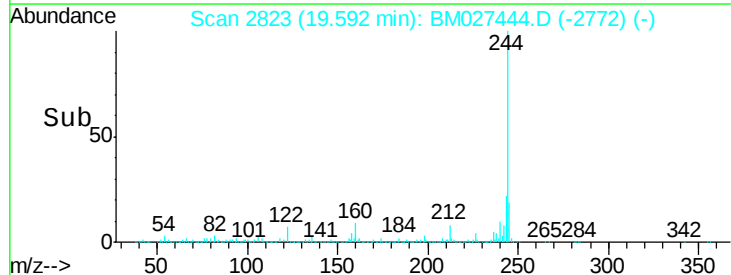
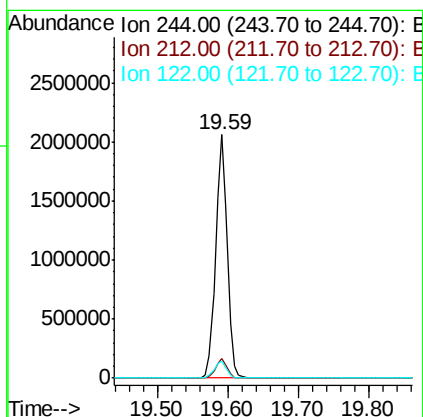
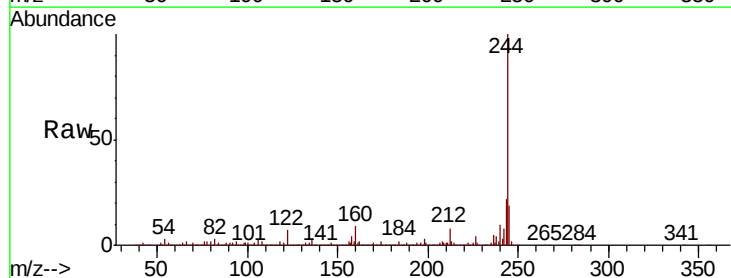
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WP

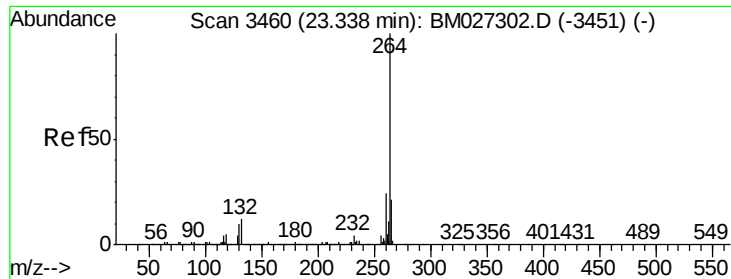
Tot Ion:240 Resp: 418828
 Ion Ratio Lower Upper
 240 100
 120 6.7 6.4 9.6
 236 25.8 20.1 30.1



#79
 Terphenyl-d14
 Concen: 97.616 ng
 RT: 19.59 min Scan# 2823
 Delta R.T. -0.00 min
 Lab File: BM027444.D
 Acq: 16 Sep 2020 16:18

Tgt Ion:244 Resp: 2349054
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 7.2 6.5 9.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.31 min Scan# 3456
Delta R.T. 0.01 min
Lab File: BM027444.D
Acq: 16 Sep 2020 16:18

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.0	17.7	26.5

