

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091620\
 Data File : BM027445.D
 Acq On : 16 Sep 2020 17:44
 Operator : JU/CG
 Sample : L3971-06DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Sep 16 18:16:45 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	73518	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	256448	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	171237	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	398174	20.00	ng	0.00
76) Chrysene-d12	21.14	240	440633	20.00	ng	0.00
86) Perylene-d12	23.31	264	473912	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	108537	24.58	ng	0.00
7) Phenol-d6	6.74	99	134113	22.51	ng	0.00
23) Nitrobenzene-d5	8.70	82	112881	18.80	ng	0.00
42) 2,4,6-Tribromophenol	15.69	330	67745	22.56	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	240924	18.71	ng	0.00
79) Terphenyl-d14	19.59	244	400647	15.83	ng	0.00

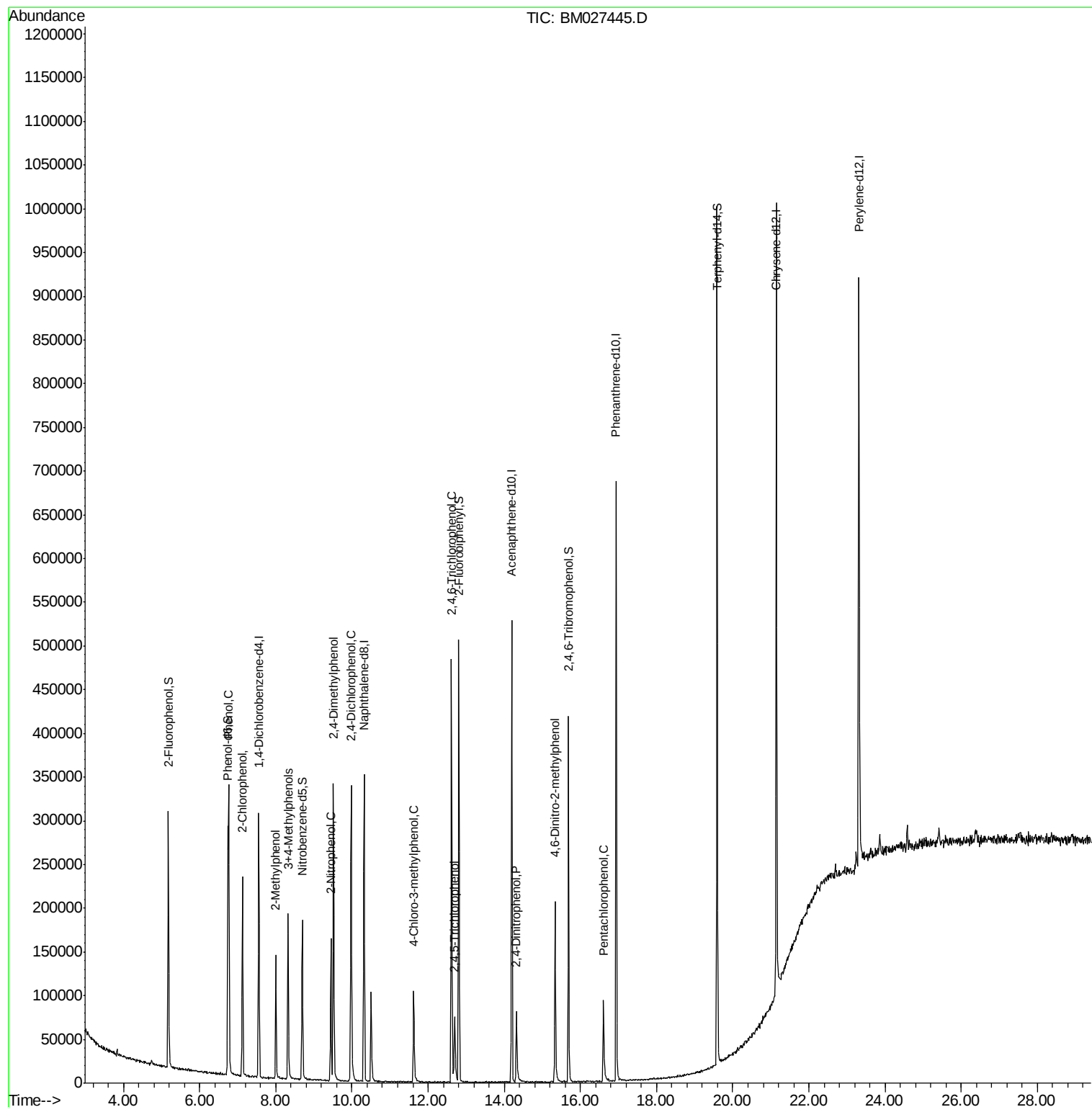
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	7.12	128	80534	17.915	ng	97
10) Phenol	6.77	94	154676	27.012	ng	94
17) 2-Methylphenol	8.00	107	35040	9.012	ng	97
20) 3+4-Methylphenols	8.32	107	76526	14.425	ng	95
26) 2-Nitrophenol	9.45	139	40142	17.305	ng	90
27) 2,4-Dimethylphenol	9.52	122	80138	20.228	ng	95
29) 2,4-Dichlorophenol	9.98	162	117522	25.764	ng	97
36) 4-Chloro-3-methylphenol	11.62	107	36835	7.516	ng	97
43) 2,4,6-Trichlorophenol	12.62	196	104451	27.635	ng	99
44) 2,4,5-Trichlorophenol	12.70	196	27055	6.585	ng	97
54) 2,4-Dinitrophenol	14.32	184	20789	15.886	ng	96
65) 4,6-Dinitro-2-methylphenol	15.34	198	47949	18.764	ng	97
70) Pentachlorophenol	16.60	266	22916	6.604	ng	96

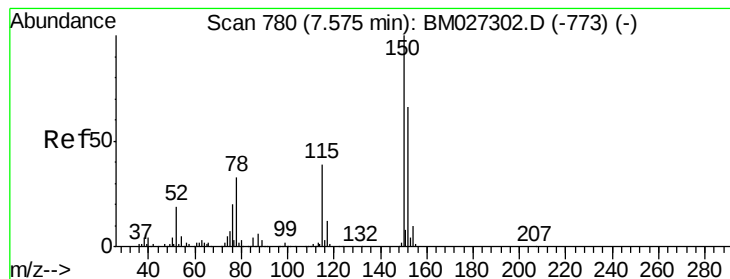
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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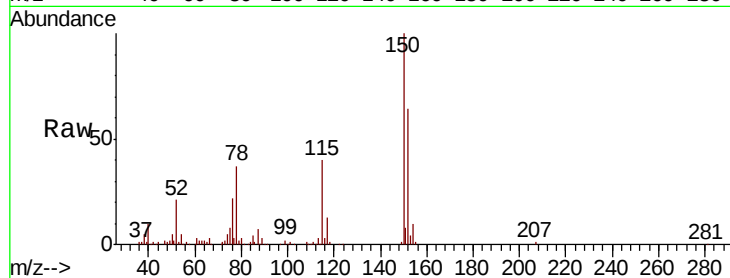


#1

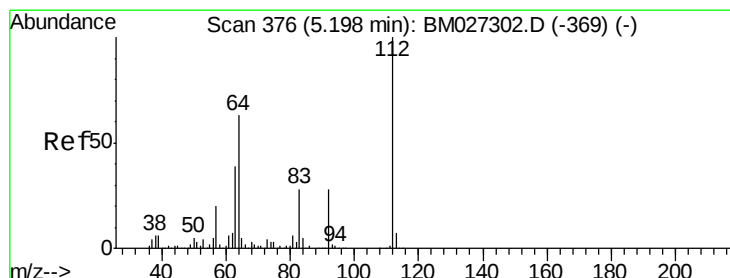
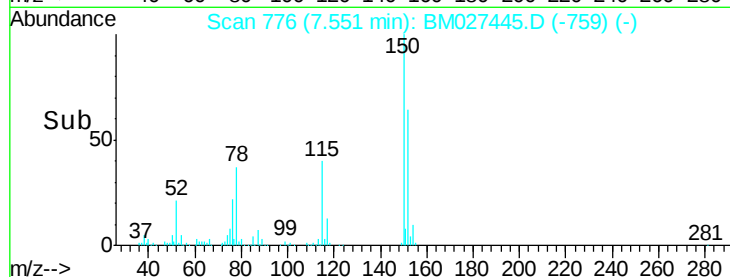
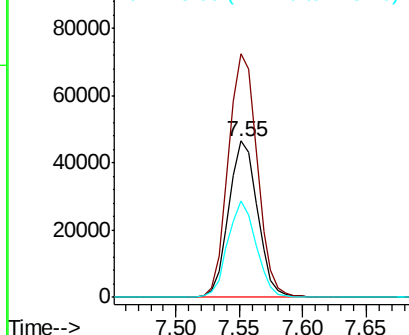
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 776
Delta R.T. -0.00 min
Lab File: BM027445.D
Acq: 16 Sep 2020 17:44

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:152 Resp: 73518
Ion Ratio Lower Upper
152 100
150 155.6 120.6 181.0
115 62.0 47.2 70.8



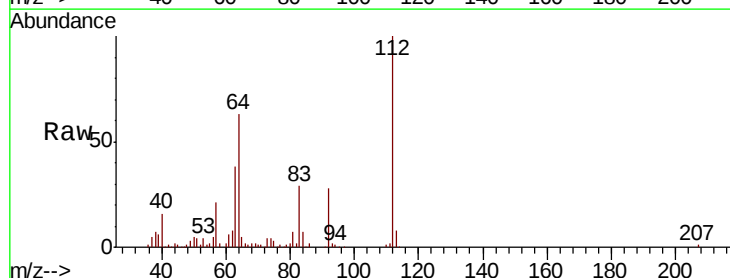
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



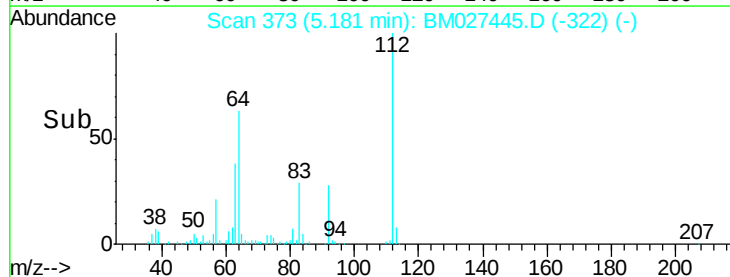
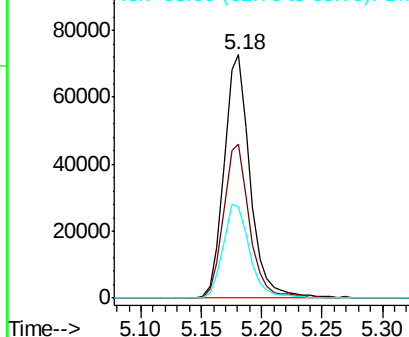
#5

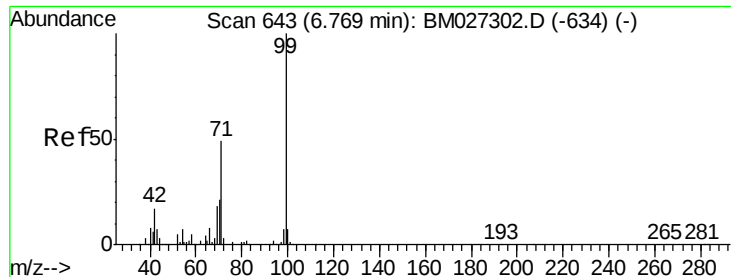
2-Fluorophenol
Concen: 24.579 ng
RT: 5.18 min Scan# 373
Delta R.T. -0.00 min
Lab File: BM027445.D
Acq: 16 Sep 2020 17:44

Tgt Ion:112 Resp: 108537
Ion Ratio Lower Upper
112 100
64 63.5 50.6 76.0
63 37.6 31.0 46.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 22.506 ng

RT: 6.74 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

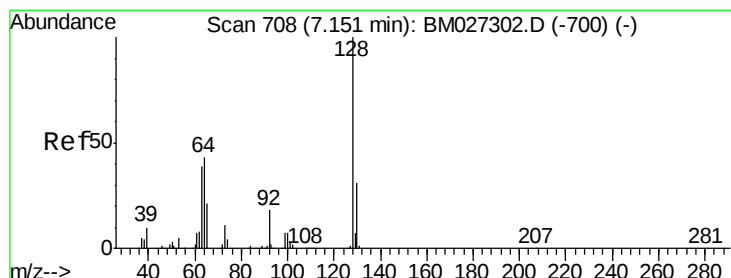
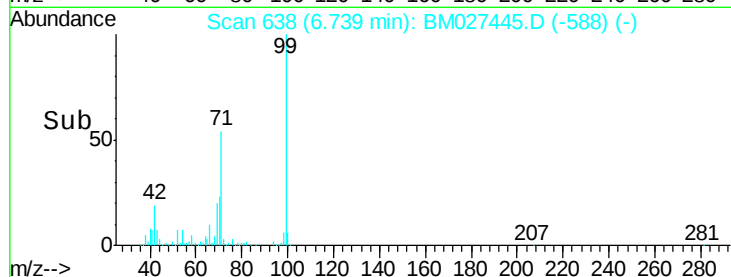
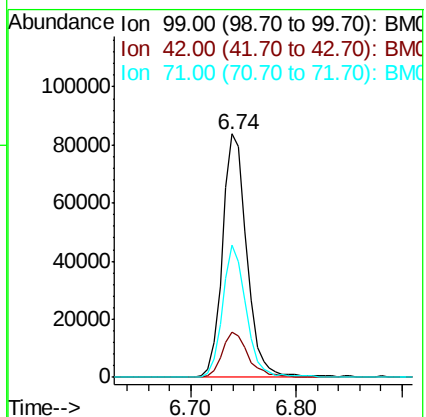
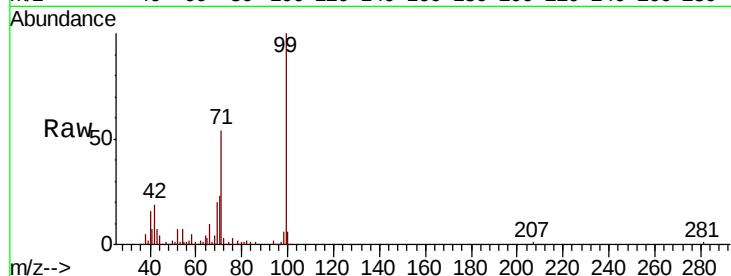
Tot Ion: 99 Resp: 134113

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

71 54.2 39.4 59.0



#8

2-Chlorophenol

Concen: 17.915 ng

RT: 7.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

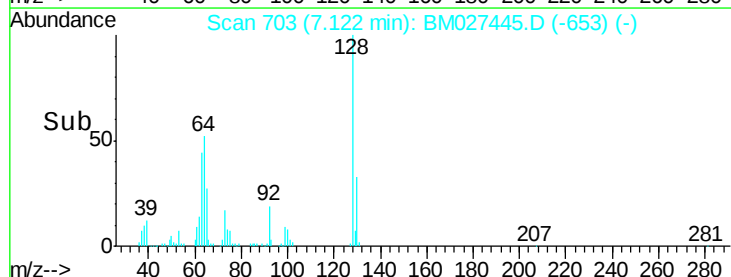
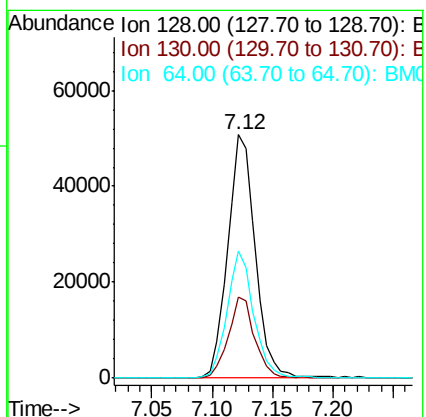
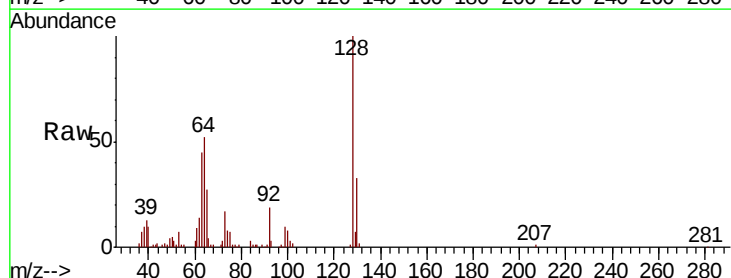
Tgt Ion: 128 Resp: 80534

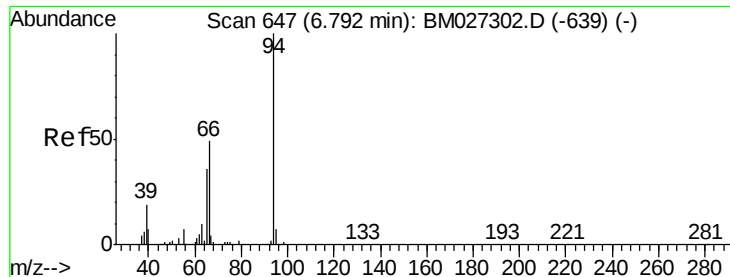
Ion Ratio Lower Upper

128 100

130 33.3 11.5 51.5

64 52.0 30.1 70.1





#10

Phenol

Concen: 27.012 ng

RT: 6.77 min Scan# 643

Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

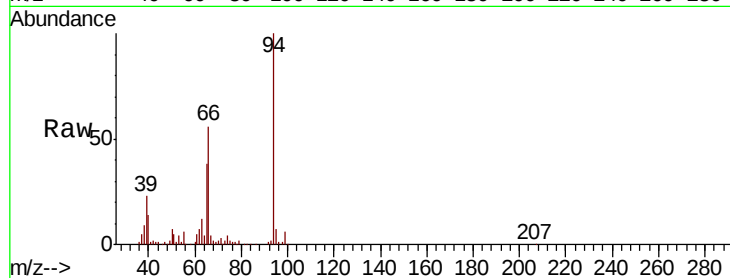
Tot Ion: 94 Resp: 154676

Ion Ratio Lower Upper

94 100

65 38.0 16.4 56.4

66 55.9 30.2 70.2

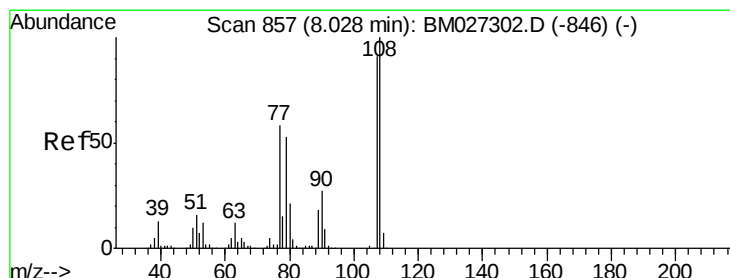
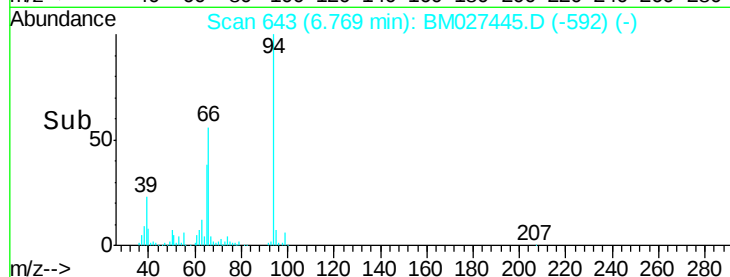
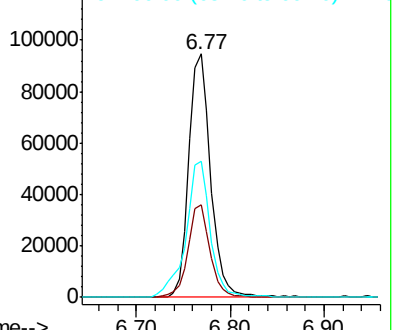


Abundance

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: 9.012 ng

RT: 8.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Tgt Ion: 107 Resp: 35040

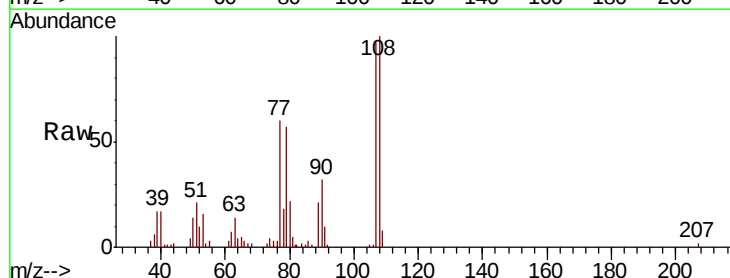
Ion Ratio Lower Upper

107 100

108 103.4 87.8 131.6

77 62.5 50.9 76.3

79 58.9 46.6 69.8



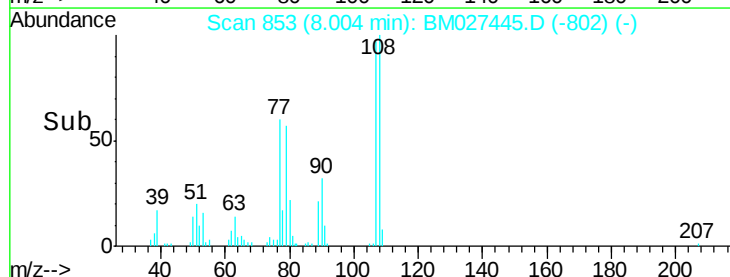
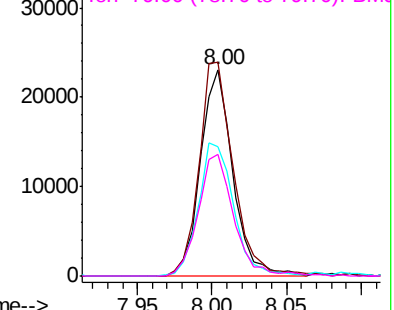
Abundance

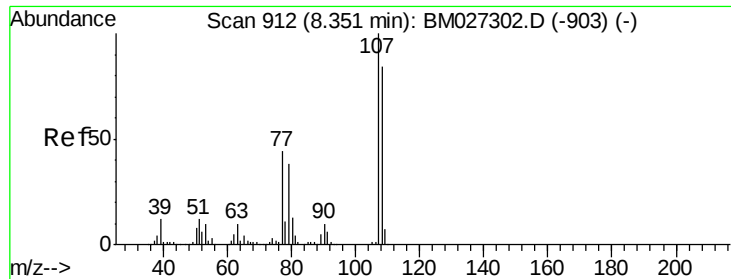
Ion 107.00 (106.70 to 107.70): BM027302.D (-846) (-)

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) (-)

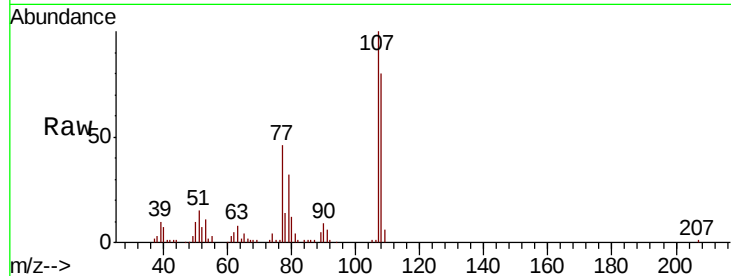




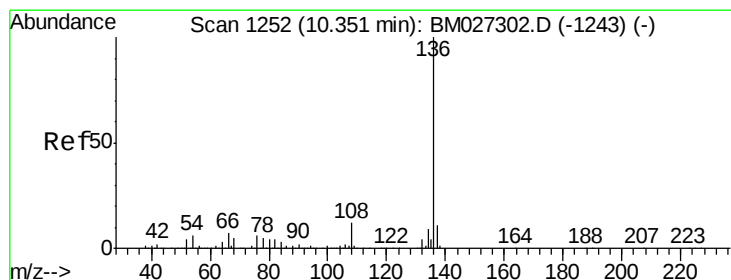
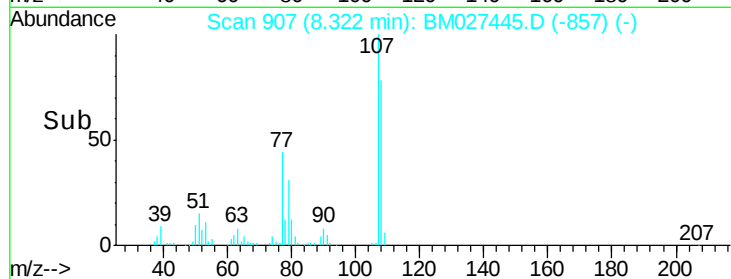
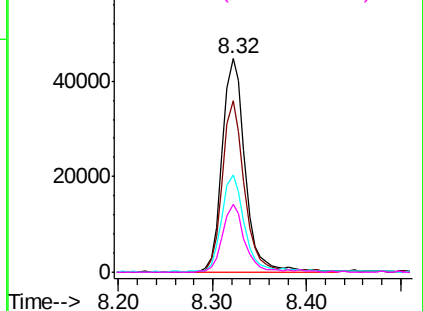
#20
3+4-Methylphenols
Concen: 14.425 ng
RT: 8.32 min Scan# 907
Delta R.T. -0.01 min
Lab File: BM027445.D
Acq: 16 Sep 2020 17:44

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:107	Resp:	76526
Ion Ratio	Lower	Upper
107 100		
108 80.1	64.5	104.5
77 45.8	24.2	64.2
79 31.9	17.8	57.8

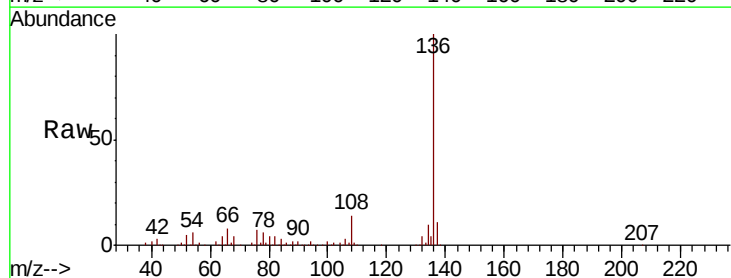


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

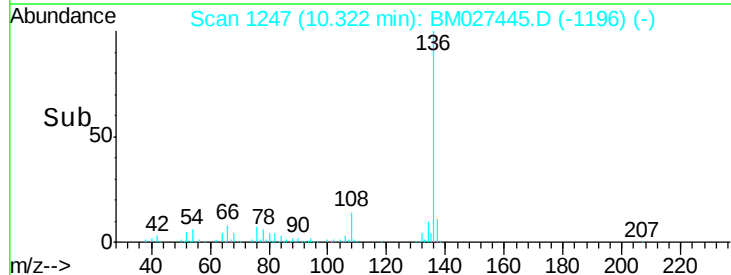
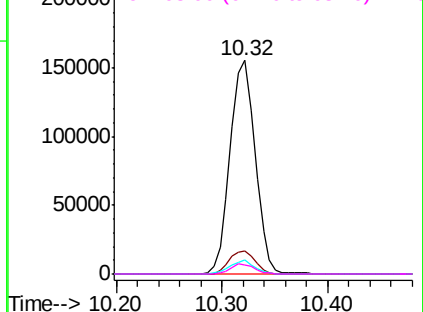


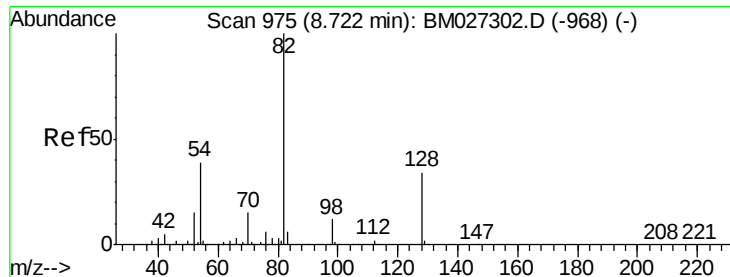
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BM027445.D
Acq: 16 Sep 2020 17:44

Tgt Ion:136	Resp:	256448
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.6	12.8
54 6.3	4.6	7.0
68 4.2	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

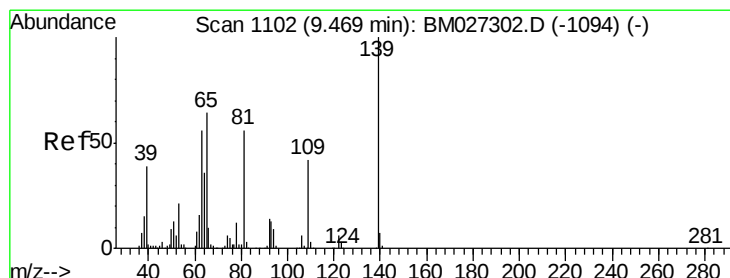
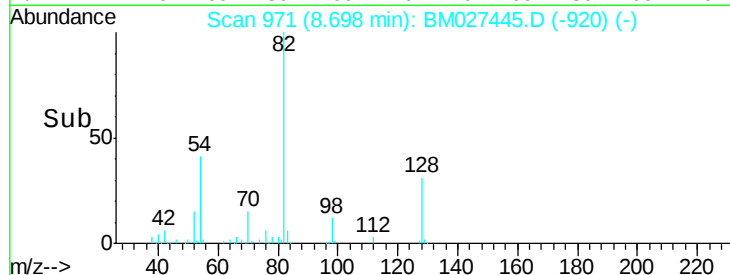
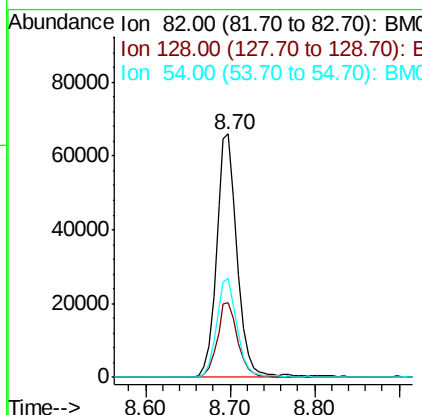
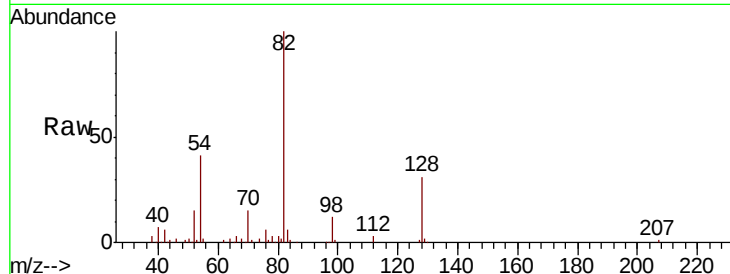




#23
 Nitrobenzene-d5
 Concen: 18.805 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

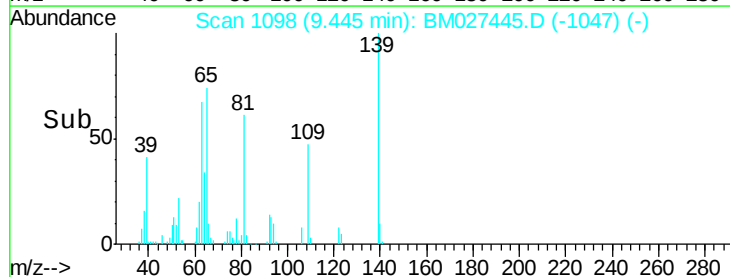
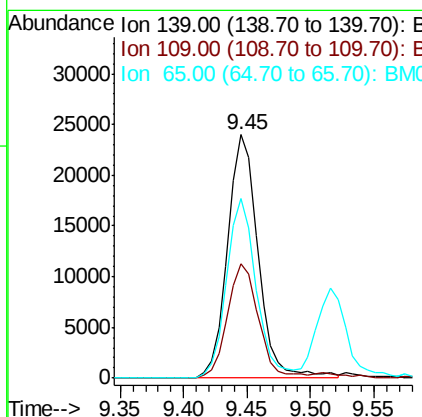
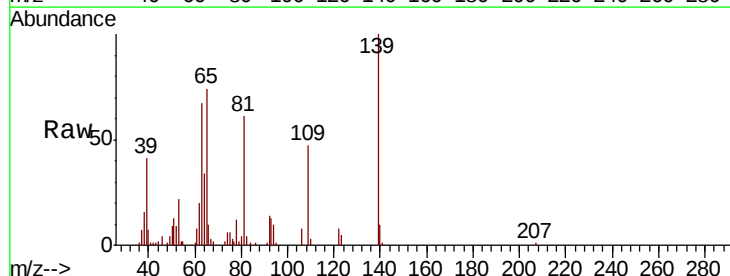
Instrument :
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 PT-ACIDS-WPDL

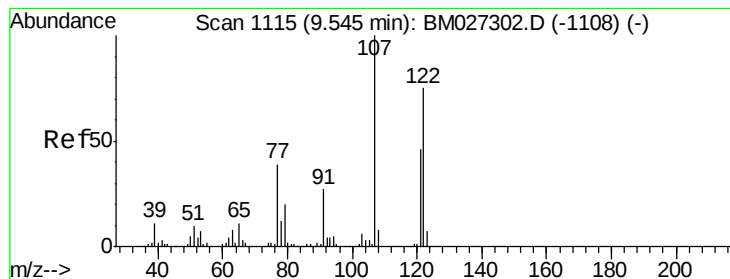
Tot Ion	82	Resp	112881
Ion Ratio	Lower	Upper	
82	100		
128	30.7	27.4	41.0
54	40.7	31.4	47.0



#26
 2-Nitrophenol
 Concen: 17.305 ng
 RT: 9.45 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Tgt Ion	139	Resp	40142
Ion Ratio	Lower	Upper	
139	100		
109	46.9	33.8	50.8
65	73.6	51.0	76.6





#27

2,4-Dimethylphenol

Concen: 20.228 ng

RT: 9.52 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

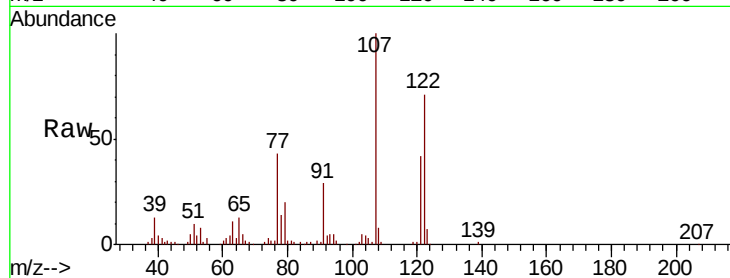
Tot Ion:122 Resp: 80138

Ion Ratio Lower Upper

122 100

107 140.2 106.6 159.8

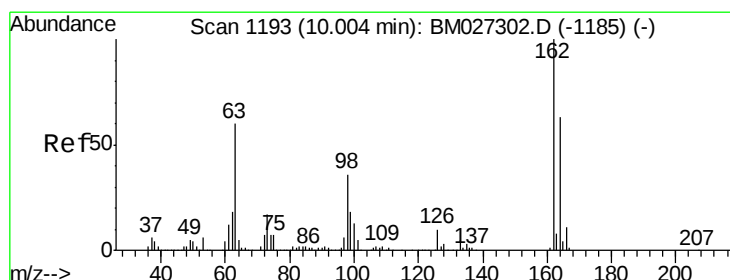
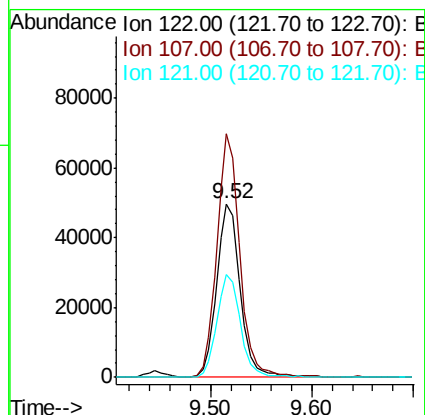
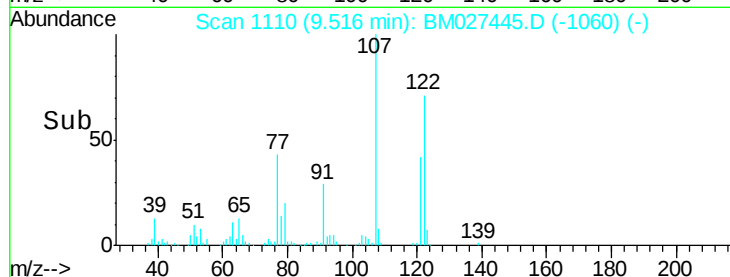
121 59.0 48.8 73.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#29

2,4-Dichlorophenol

Concen: 25.764 ng

RT: 9.98 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

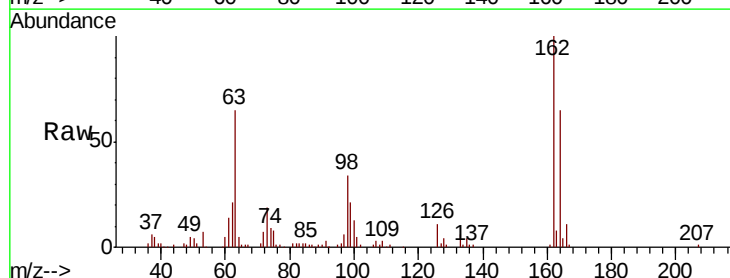
Tgt Ion:162 Resp: 117522

Ion Ratio Lower Upper

162 100

164 65.3 43.2 83.2

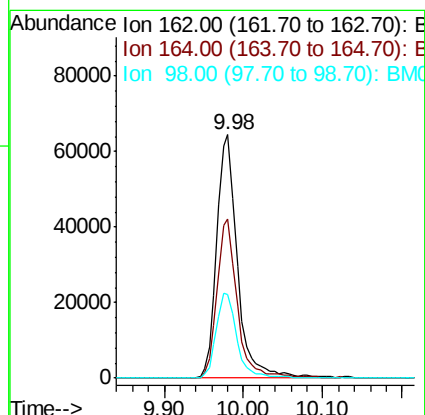
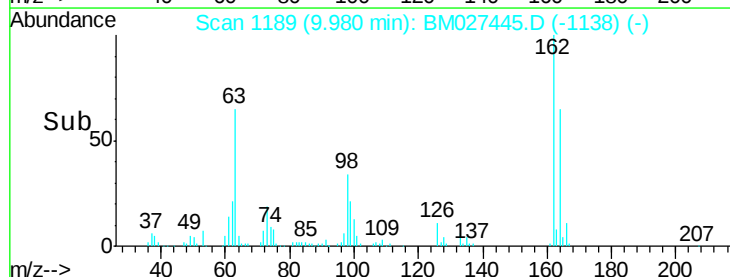
98 34.1 15.7 55.7

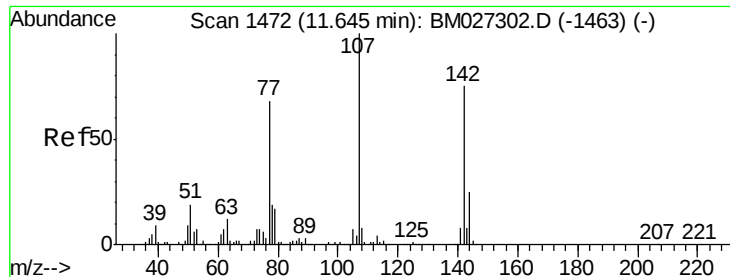


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM0

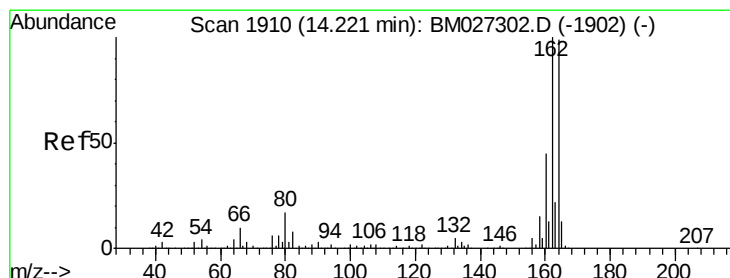
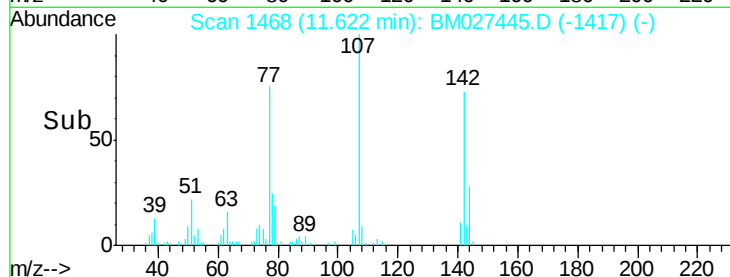
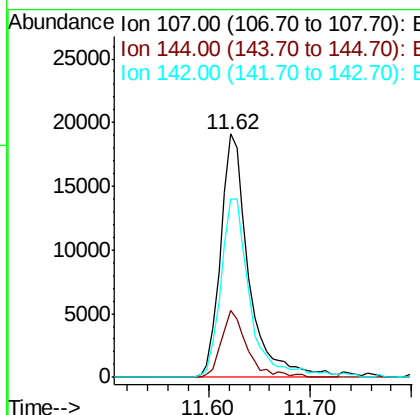
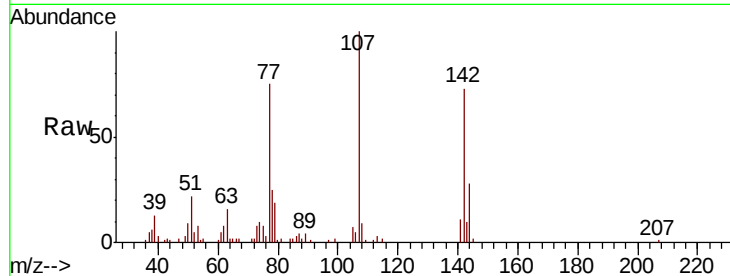




#36
 4-Chloro-3-methylphenol
 Concen: 7.516 ng
 RT: 11.62 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

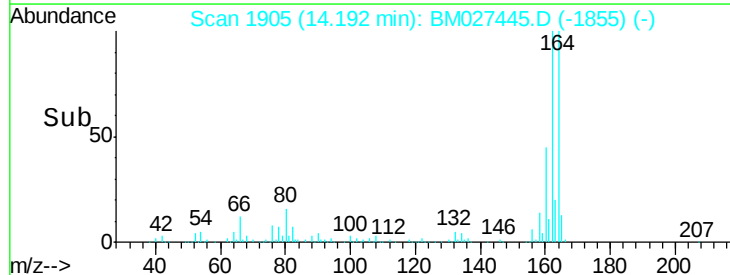
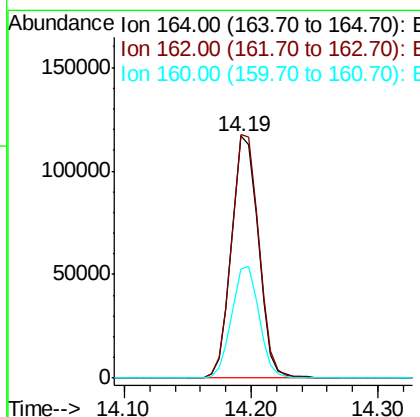
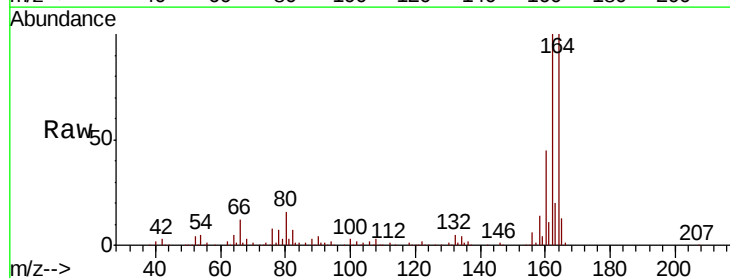
Instrument :
 BNA_M
 ClientSampleID :
 PT-ACIDS-WPDL

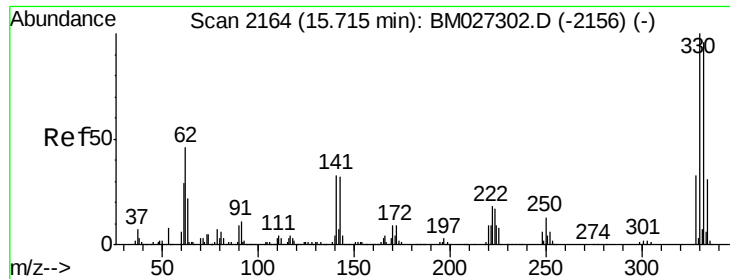
Tot Ion:107 Resp: 36835
 Ion Ratio Lower Upper
 107 100
 144 27.6 20.1 30.1
 142 73.5 60.3 90.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.19 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Tgt Ion:164 Resp: 171237
 Ion Ratio Lower Upper
 164 100
 162 100.5 80.4 120.6
 160 45.3 35.9 53.9

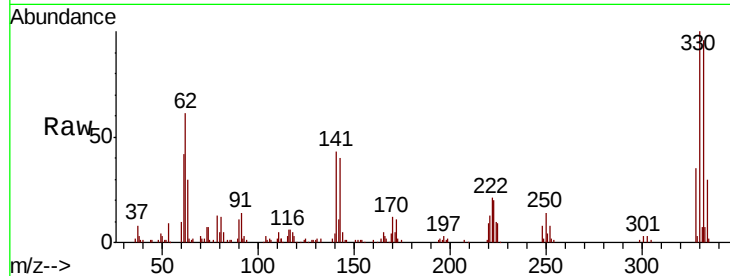




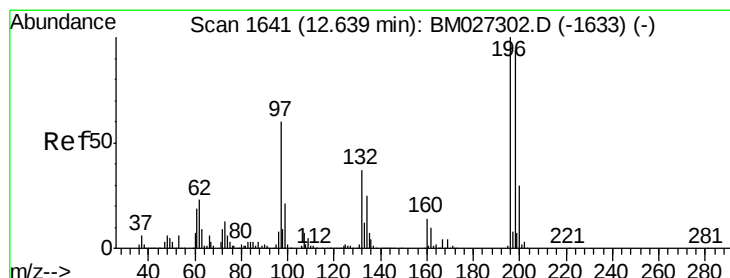
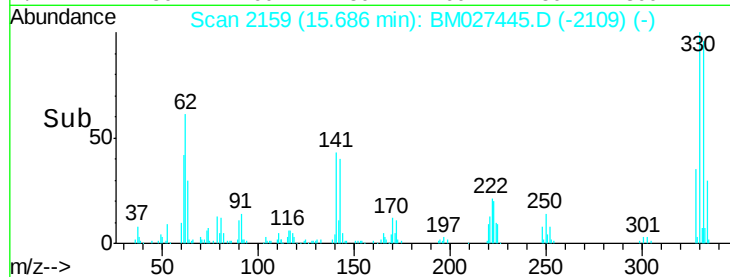
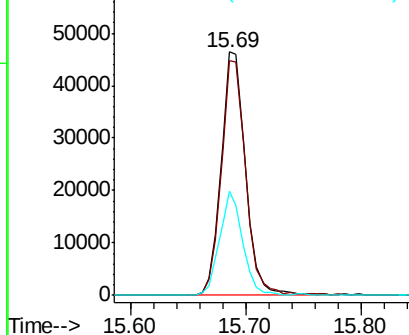
#42
 2,4,6-Tribromophenol
 Concen: 22.563 ng
 RT: 15.69 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:330 Resp: 67745
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.8 116.8
 141 40.2 28.4 42.6

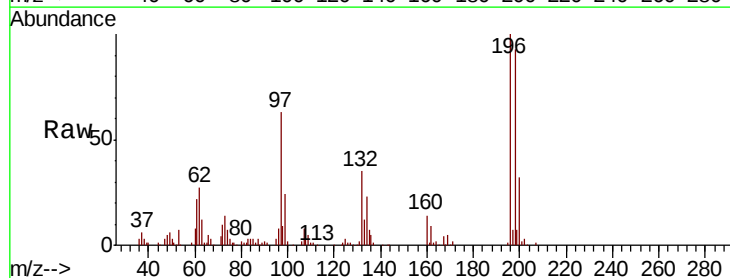


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

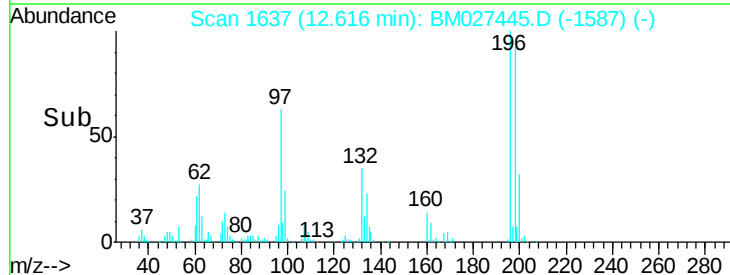
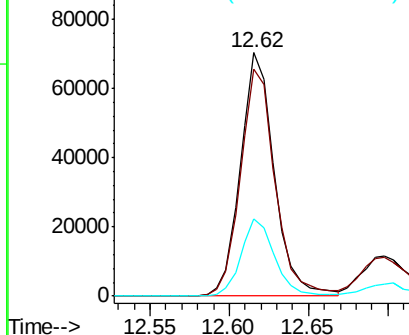


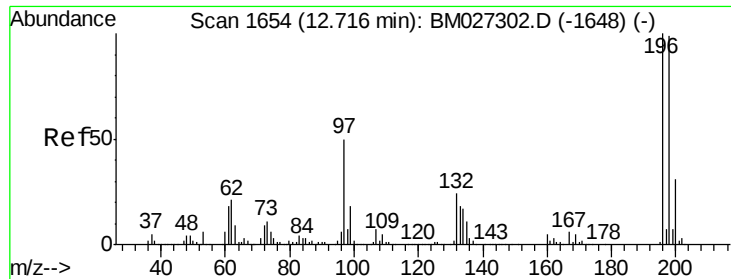
#43
 2,4,6-Trichlorophenol
 Concen: 27.635 ng
 RT: 12.62 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Tgt Ion:196 Resp: 104451
 Ion Ratio Lower Upper
 196 100
 198 93.2 74.9 112.3
 200 31.9 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

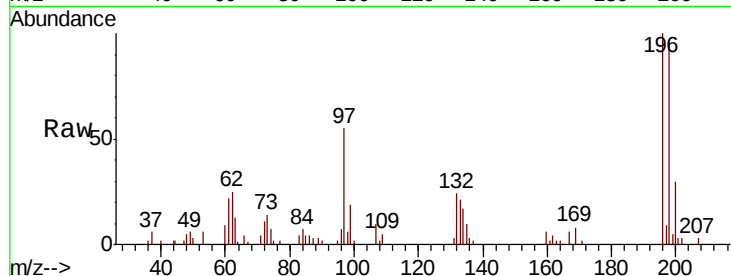




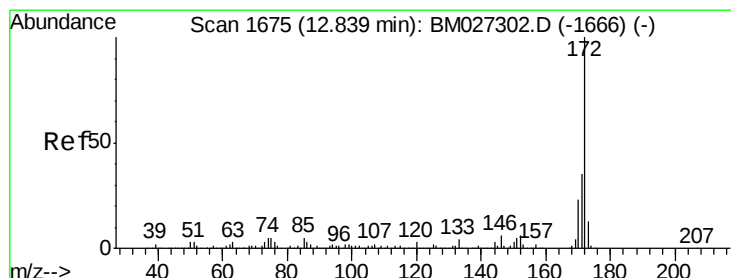
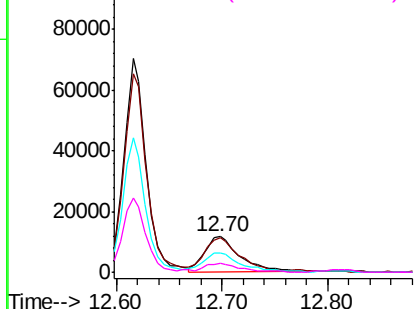
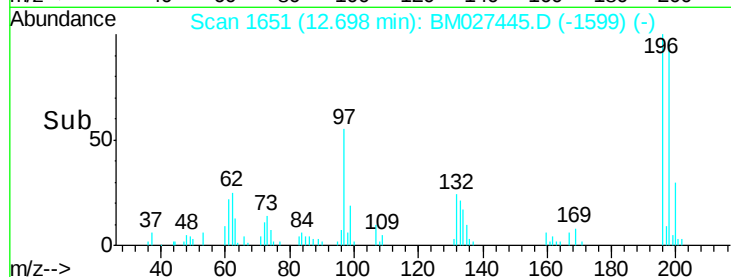
#44
 2,4,5-Trichlorophenol
 Concen: 6.585 ng
 RT: 12.70 min Scan# 1651
 Delta R.T. 0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:196 Resp: 27055
 Ion Ratio Lower Upper
 196 100
 198 97.2 79.0 118.6
 97 54.7 40.5 60.7
 132 24.2 19.3 28.9

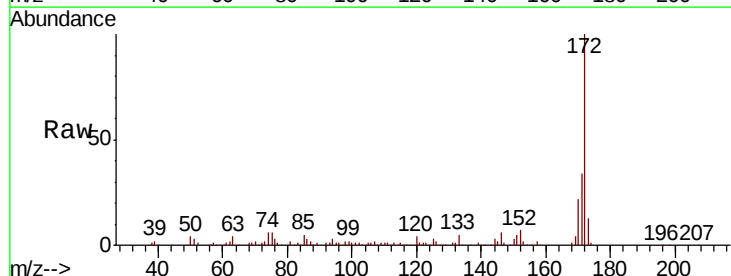


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

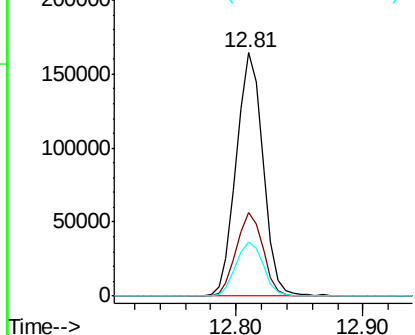
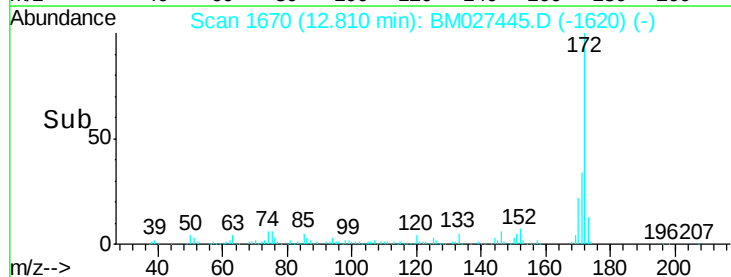


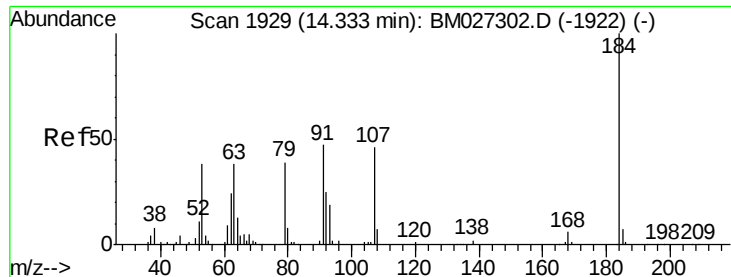
#45
 2-Fluorobiphenyl
 Concen: 18.711 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Tgt Ion:172 Resp: 240924
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.8 41.8
 170 22.3 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

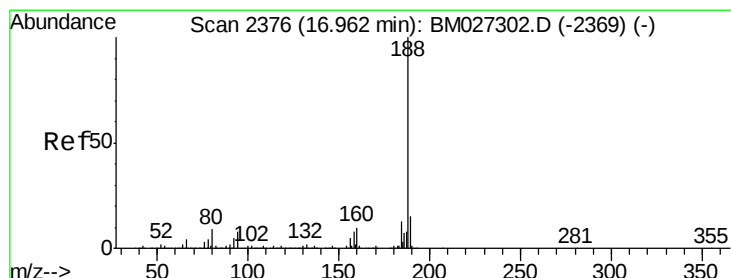
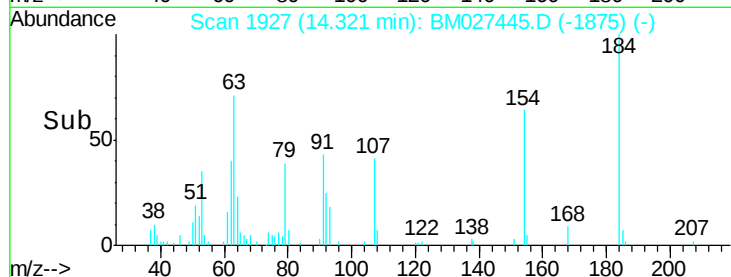
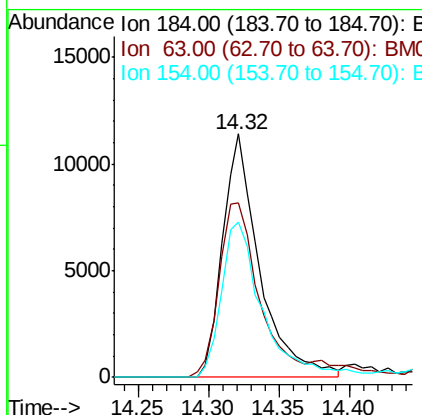
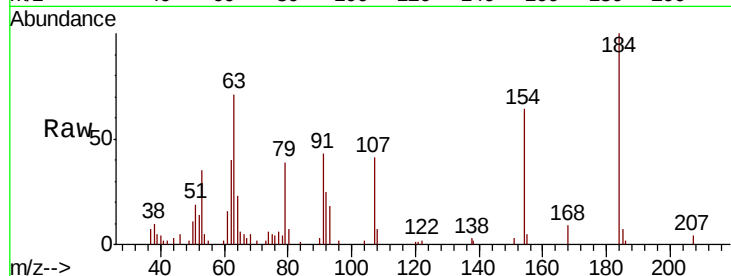




#54
 2,4-Dinitrophenol
 Concen: 15.886 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. 0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

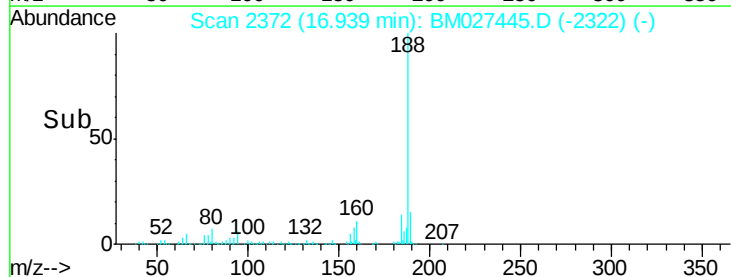
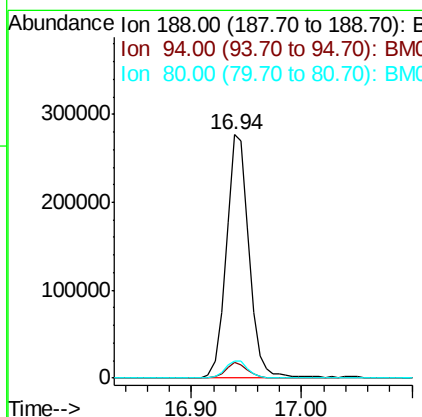
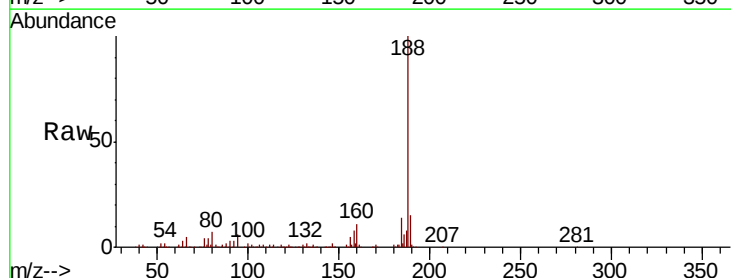
Instrument :
 BNA_M
 ClientSampleId :
 PT-ACIDS-WPDL

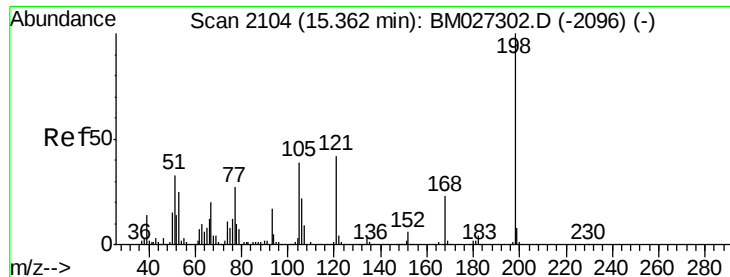
Tot Ion:184 Resp: 20789
 Ion Ratio Lower Upper
 184 100
 63 71.5 60.2 90.2
 154 63.9 52.9 79.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.94 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BM027445.D
 Acq: 16 Sep 2020 17:44

Tgt Ion:188 Resp: 398174
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.2 9.4
 80 7.1 7.5 11.3#





#65

4,6-Dinitro-2-methylphenol

Concen: 18.764 ng

RT: 15.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Instrument :

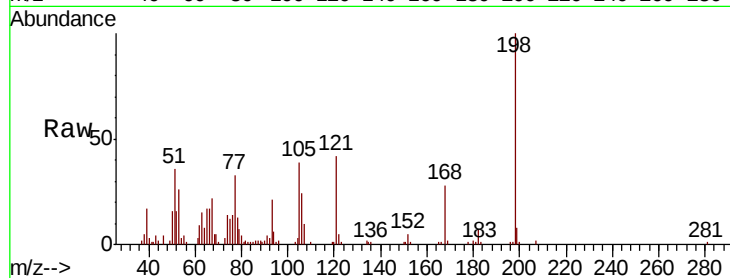
BNA_M

ClientSampleId :

PT-ACIDS-WPDL

Tot Ion:198 Resp: 47949

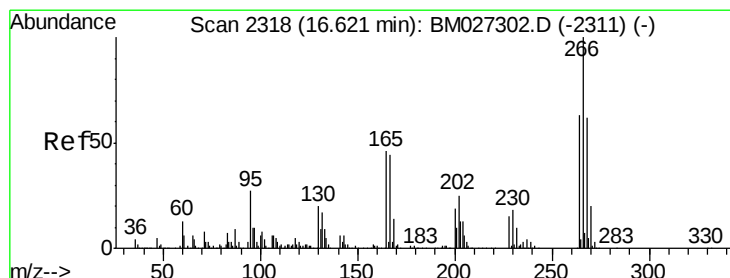
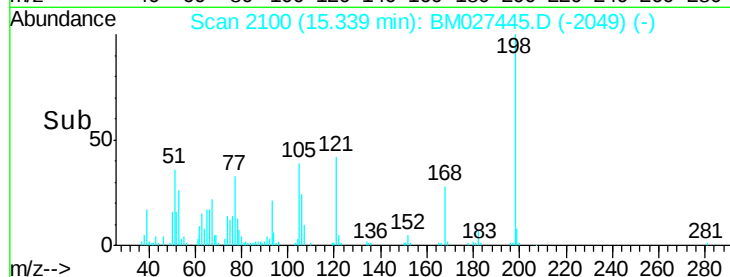
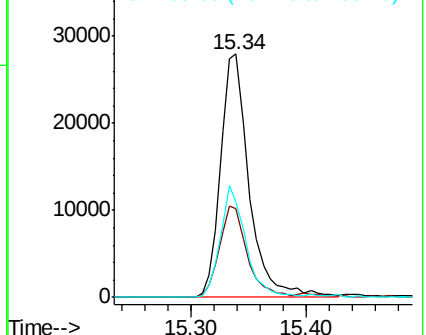
Ion	Ratio	Lower	Upper
198	100		
51	36.3	13.0	53.0
105	39.3	18.7	58.7



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



#70

Pentachlorophenol

Concen: 6.604 ng

RT: 16.60 min Scan# 2315

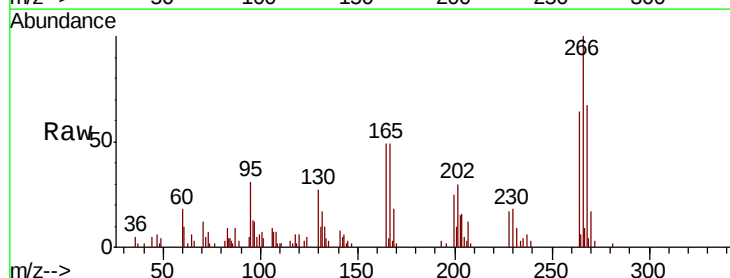
Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Tgt Ion:266 Resp: 22916

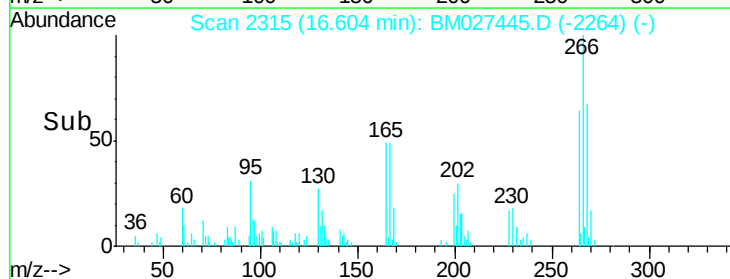
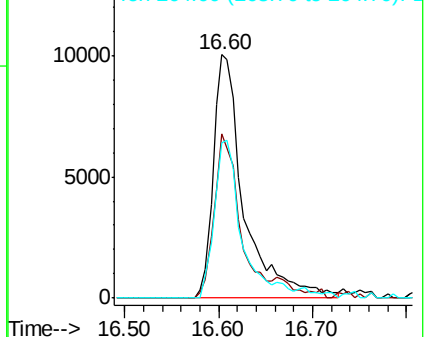
Ion	Ratio	Lower	Upper
266	100		
268	67.5	49.9	74.9
264	63.9	50.6	76.0

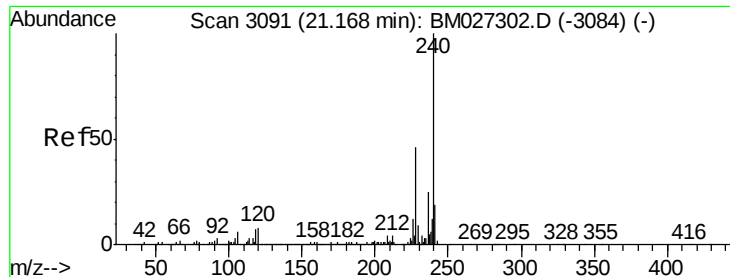


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

Instrument :

BNA_M

ClientSampleId :

PT-ACIDS-WPDL

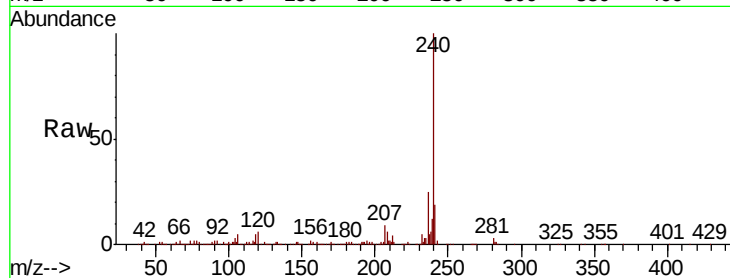
Tot Ion:240 Resp: 440633

Ion Ratio Lower Upper

240 100

120 6.3 6.4 9.6#

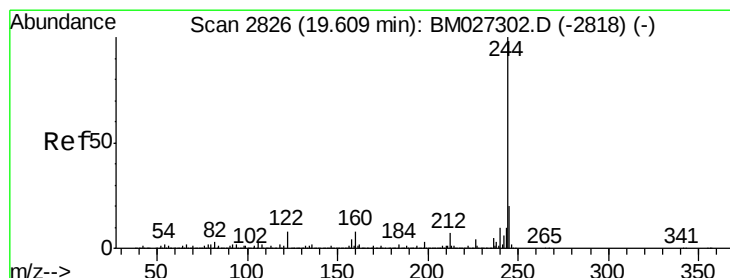
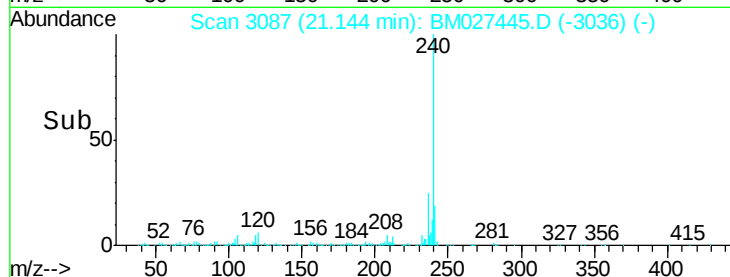
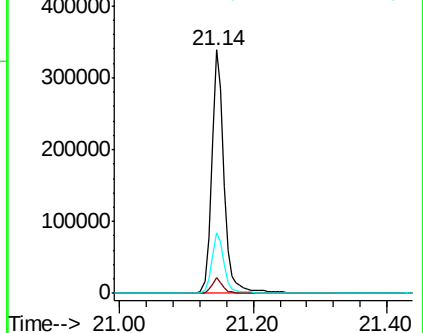
236 24.7 20.1 30.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 15.825 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM027445.D

Acq: 16 Sep 2020 17:44

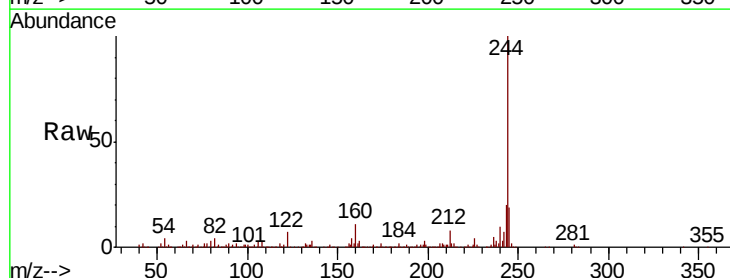
Tgt Ion:244 Resp: 400647

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

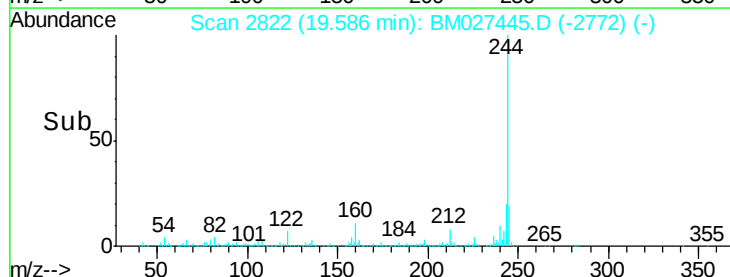
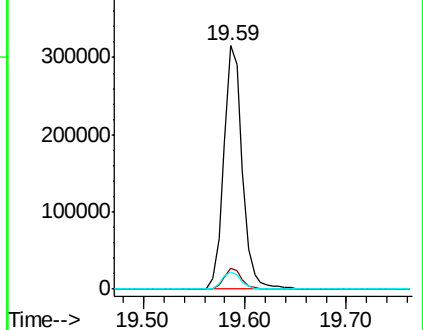
122 7.3 6.5 9.7

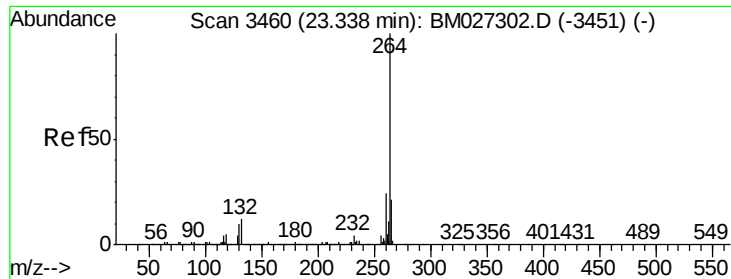


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.31 min Scan# 3456
Delta R.T. 0.01 min
Lab File: BM027445.D
Acq: 16 Sep 2020 17:44

Instrument :
BNA_M
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:	264	Resp:	473912
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.7	17.7	26.5

