

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032719\
 Data File : BN004994.D
 Acq On : 27 Mar 2019 13:50
 Operator : JU/SJ
 Sample : K1825-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Mar 28 05:09:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	9160	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	36973	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	21154	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	48938	20.00	ng	0.00
76) Chrysene-d12	21.27	240	54147	20.00	ng	0.00
87) Perylene-d12	23.50	264	55525	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	75903	143.26	ng	0.00
7) Phenol-d6	6.86	99	101242	144.07	ng	0.00
23) Nitrobenzene-d5	8.84	82	58278	95.35	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	54223	158.93	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	156899	98.28	ng	0.00
79) Terphenyl-d14	19.70	244	264498	94.04	ng	0.00

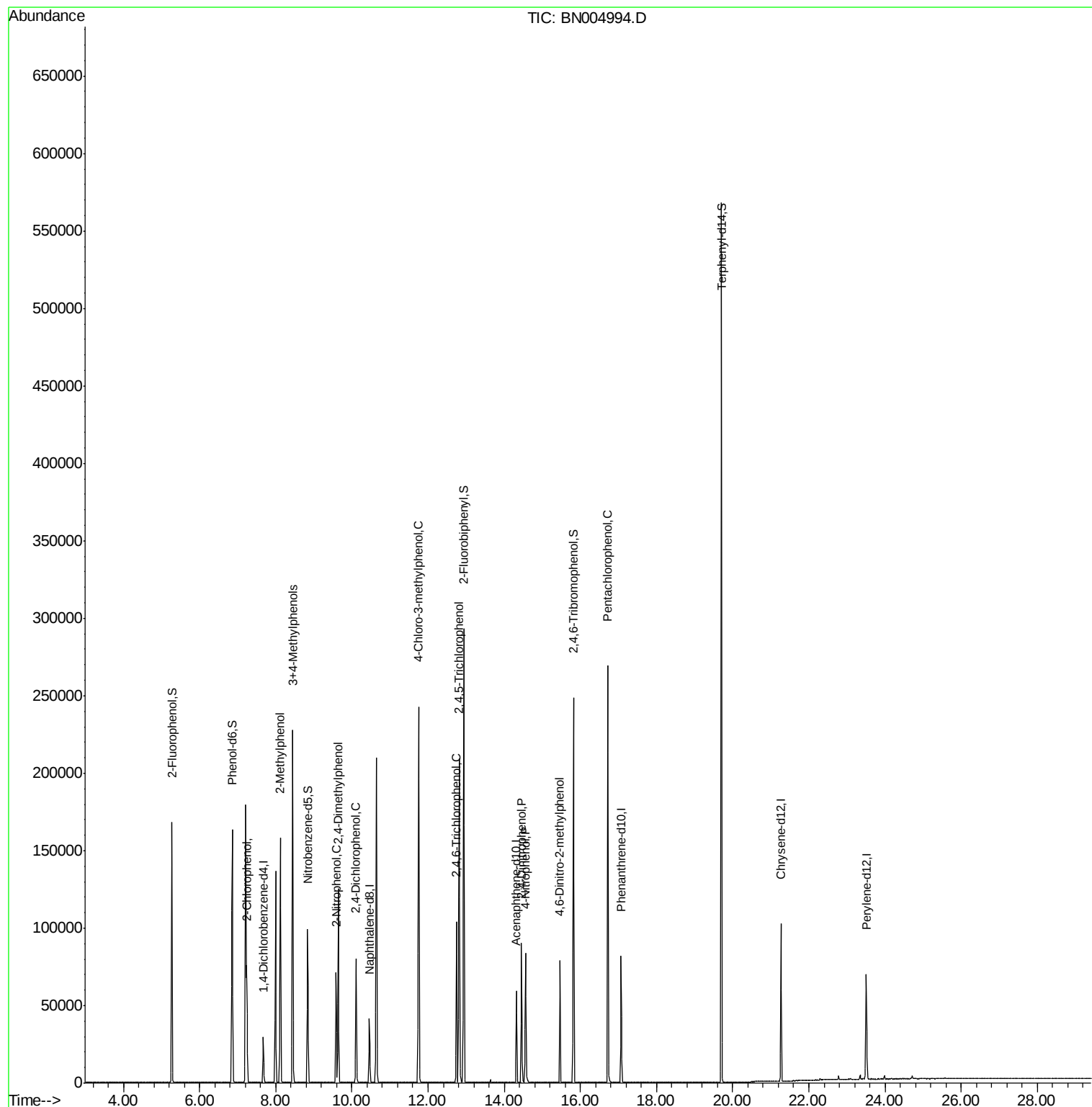
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	7.24	128	34674	51.554	ng	99
17) 2-Methylphenol	8.12	107	49894	95.047	ng	99
20) 3+4-Methylphenols	8.45	107	107909	151.399	ng	92
26) 2-Nitrophenol	9.59	139	27547	76.698	ng	99
27) 2,4-Dimethylphenol	9.64	122	39771	79.535	ng	98
29) 2,4-Dichlorophenol	10.11	162	32083	55.824	ng	99
36) 4-Chloro-3-methylphenol	11.76	107	91858	147.956	ng	99
43) 2,4,6-Trichlorophenol	12.75	196	26214	56.305	ng	99
44) 2,4,5-Trichlorophenol	12.82	196	64155	126.489	ng	100
54) 2,4-Dinitrophenol	14.46	184	22754	94.985	ng	99
56) 4-Nitrophenol	14.56	139	28885	90.714	ng	99
65) 4,6-Dinitro-2-methylphenol	15.46	198	19883	59.628	ng	96
70) Pentachlorophenol	16.72	266	53145	141.275	ng	99

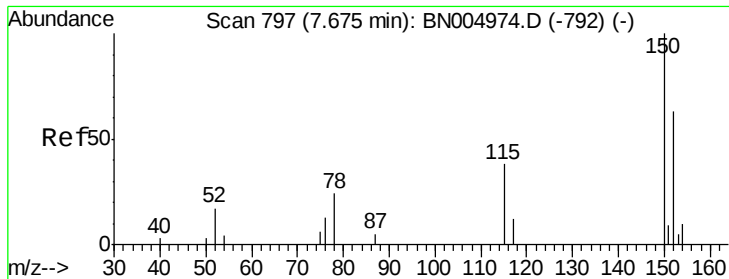
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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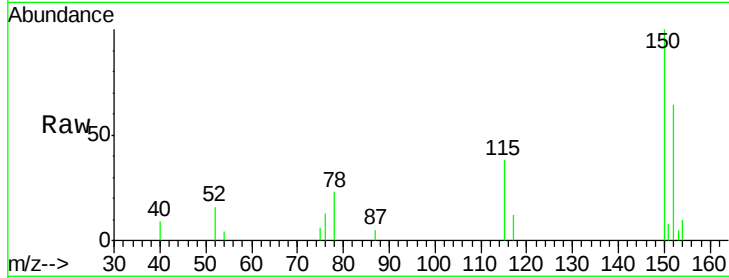


#1

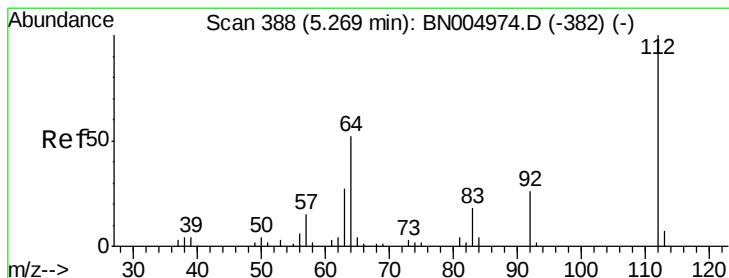
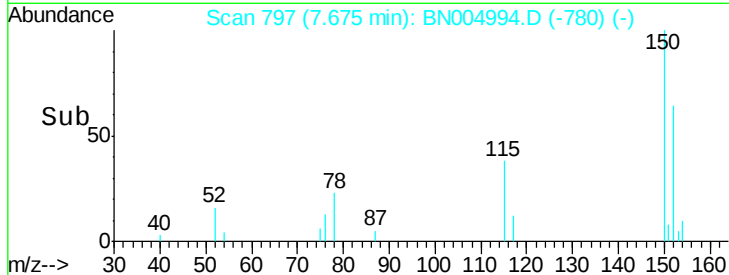
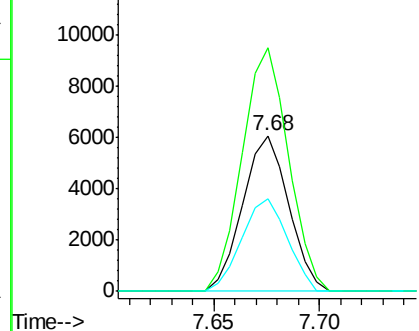
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

Instrument :
BNA_N
ClientSampleId :
PT-ACIDS-WP

Tot Ion:152 Resp: 9160
Ion Ratio Lower Upper
152 100
150 156.4 126.9 190.3
115 59.4 47.8 71.6



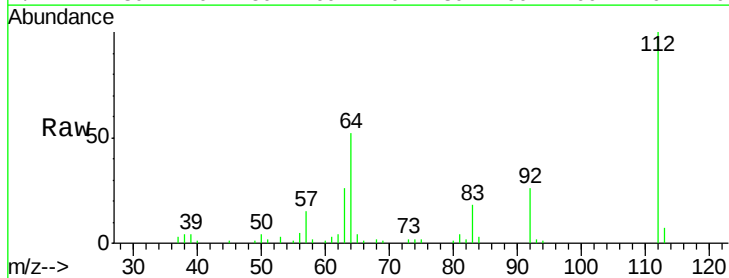
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



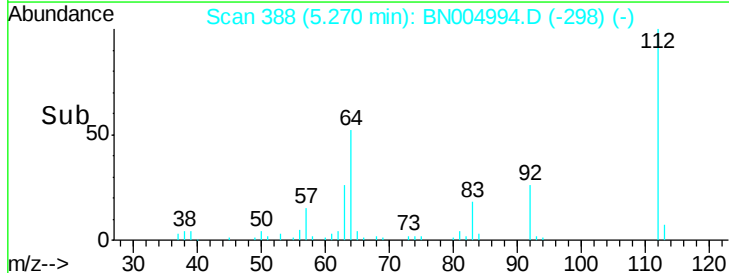
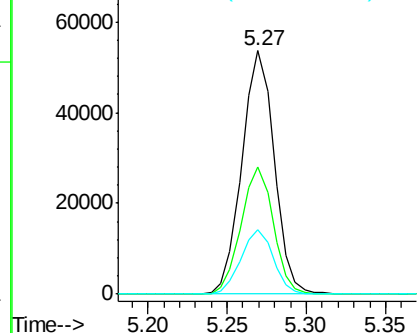
#5

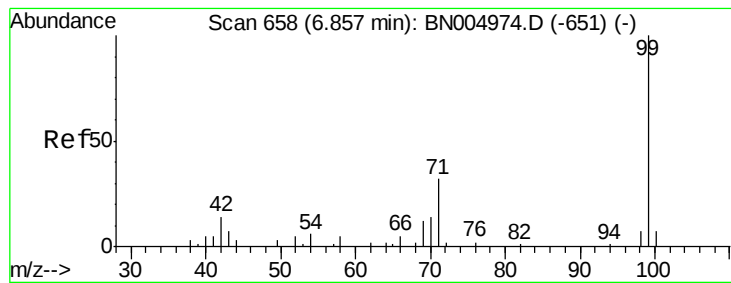
2-Fluorophenol
Concen: 143.263 ng
RT: 5.27 min Scan# 388
Delta R.T. 0.00 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

Tgt Ion:112 Resp: 75903
Ion Ratio Lower Upper
112 100
64 52.1 41.9 62.9
63 26.3 21.4 32.0



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





#7

Phenol-d6

Concen: 144.072 ng

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

Instrument :

BNA_N

ClientSampleId :

PT-ACIDS-WP

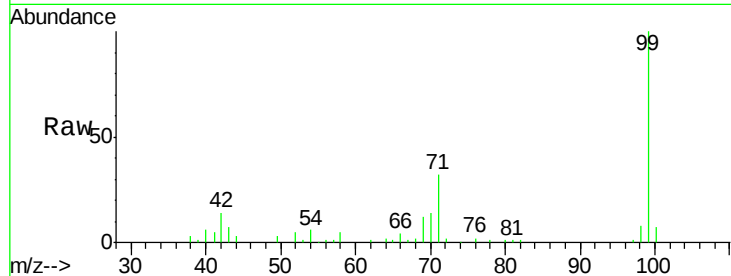
Tot Ion: 99 Resp: 101242

Ion Ratio Lower Upper

99 100

42 13.9 11.4 17.0

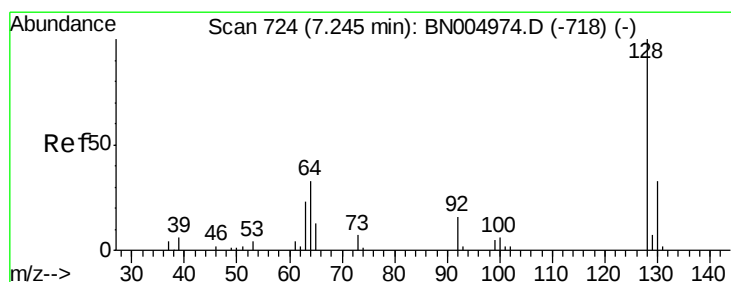
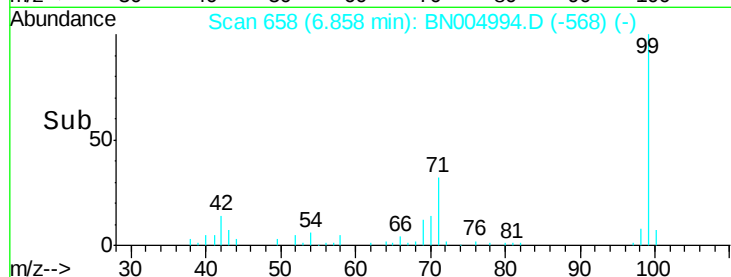
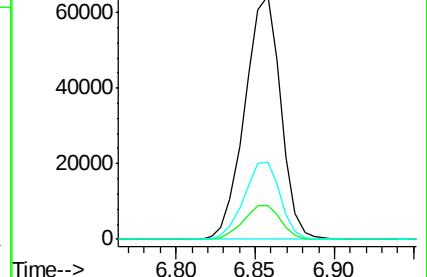
71 31.7 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004994.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004994.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004994.D (-651) (-)



#8

2-Chlorophenol

Concen: 51.554 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

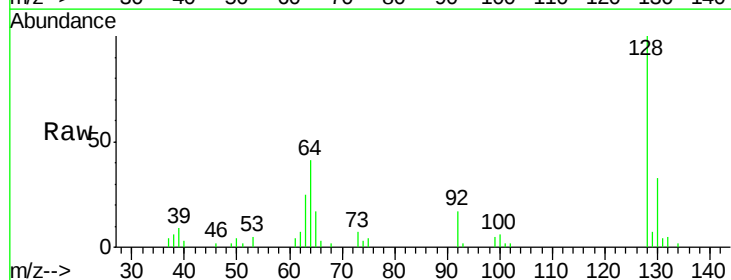
Tgt Ion:128 Resp: 34674

Ion Ratio Lower Upper

128 100

130 32.7 12.9 52.9

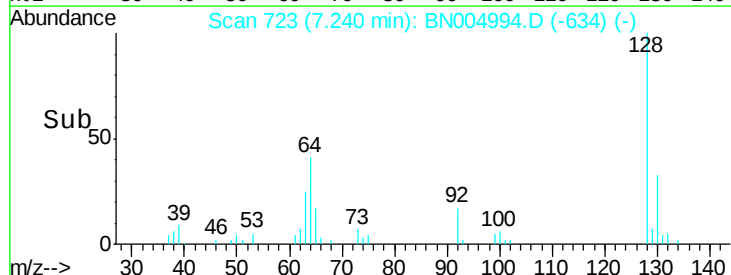
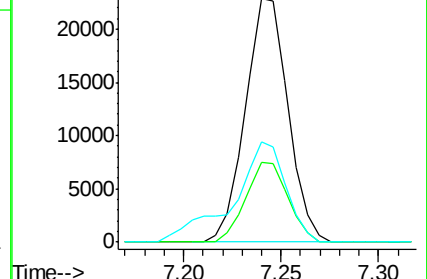
64 41.3 19.9 59.9

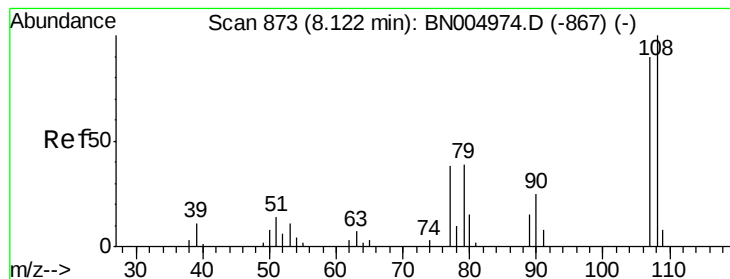


Abundance Ion 128.00 (127.70 to 128.70): BN004994.D (-718) (-)

Ion 130.00 (129.70 to 130.70): BN004994.D (-718) (-)

Ion 64.00 (63.70 to 64.70): BN004994.D (-718) (-)





#17

2-Methylphenol

Concen: 95.047 ng

RT: 8.12 min Scan# 873

Delta R.T. 0.00 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

Instrument :

BNA_N

ClientSampleId :

PT-ACIDS-WP

Tot Ion:107 Resp: 49894

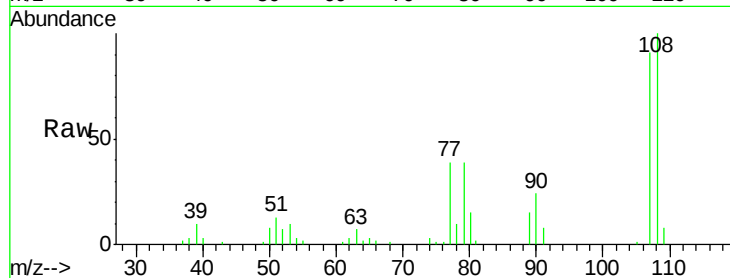
Ion Ratio Lower Upper

107 100

108 109.3 88.8 133.2

77 42.8 34.2 51.2

79 42.1 34.8 52.2

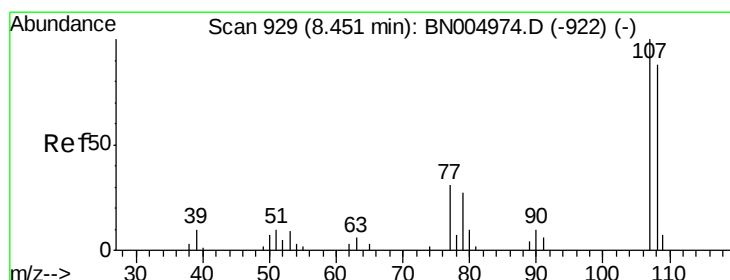
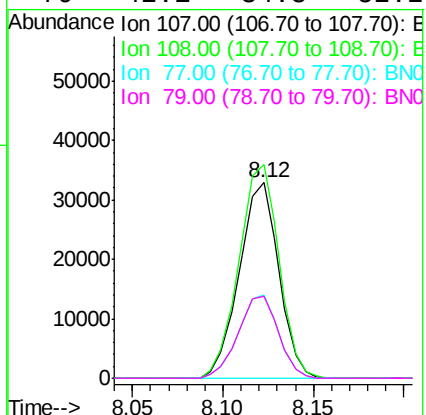
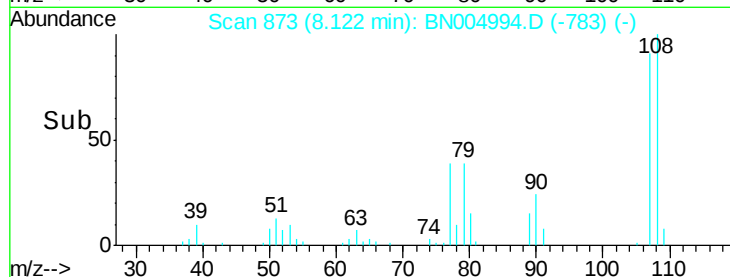


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#20

3+4-Methylphenols

Concen: 151.399 ng

RT: 8.45 min Scan# 928

Delta R.T. -0.01 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

Tgt Ion:107 Resp: 107909

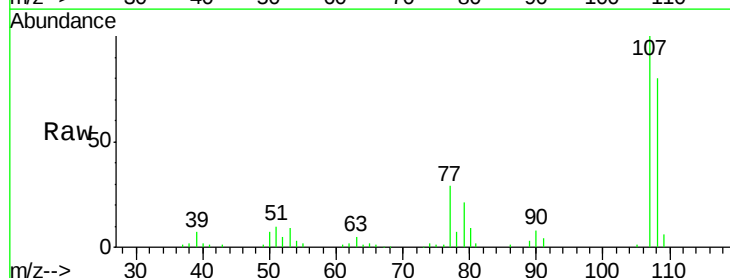
Ion Ratio Lower Upper

107 100

108 79.5 67.9 107.9

77 28.6 10.6 50.6

79 20.6 6.8 46.8

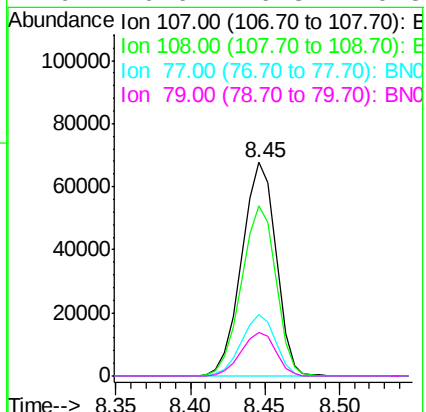
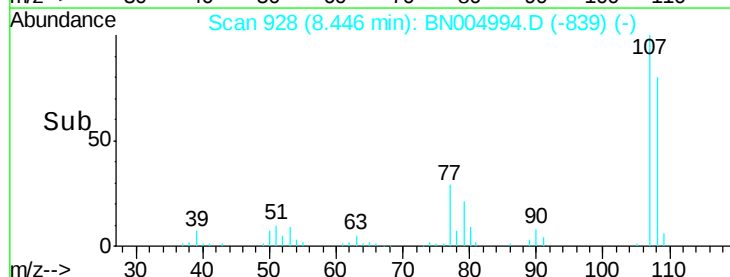


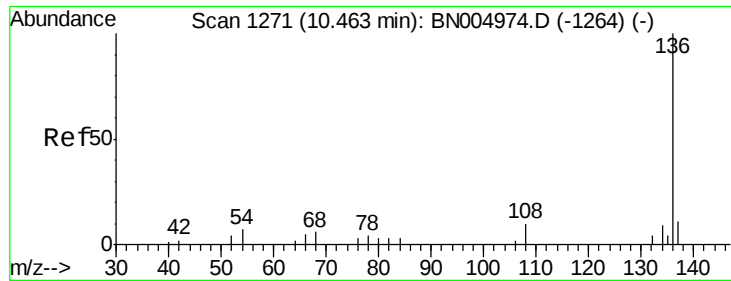
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC

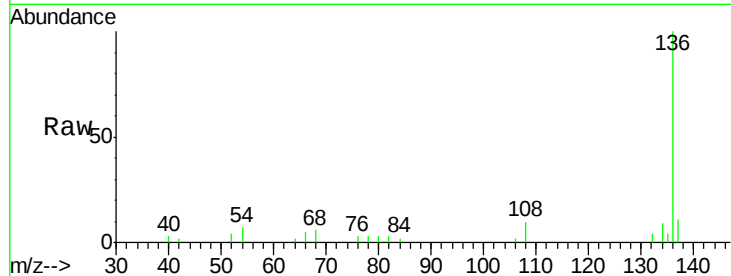




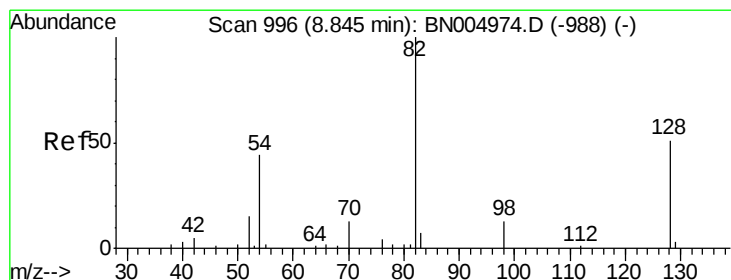
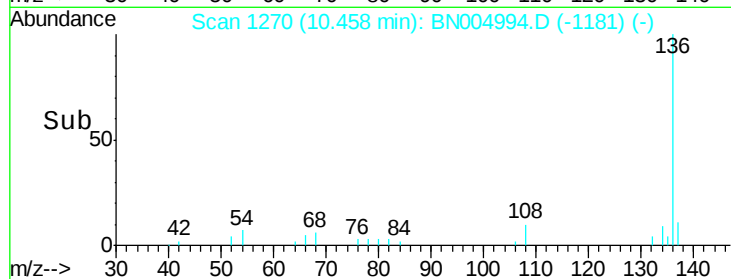
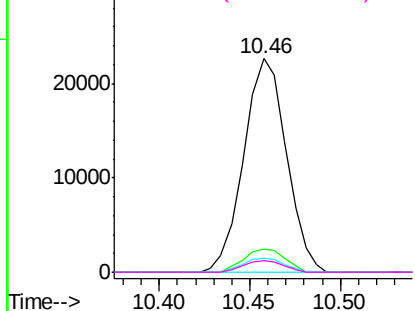
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

Instrument :
BNA_N
ClientSampleId :
PT-ACIDS-WP

Tot Ion:136	Resp:	36973
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.9	5.3 7.9
68	5.7	4.6 6.8

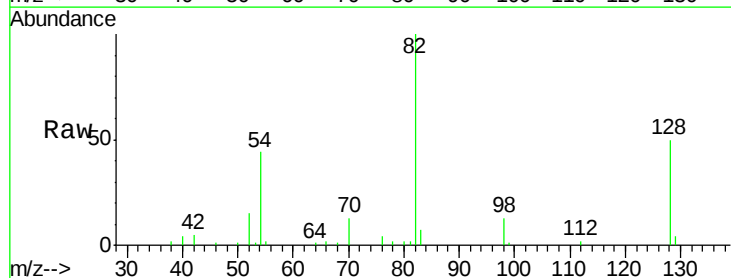


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

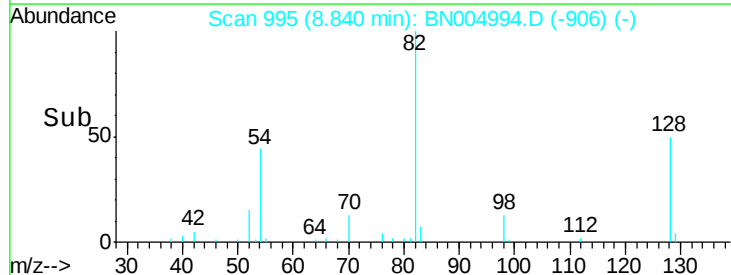
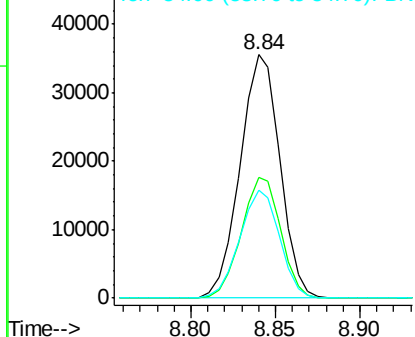


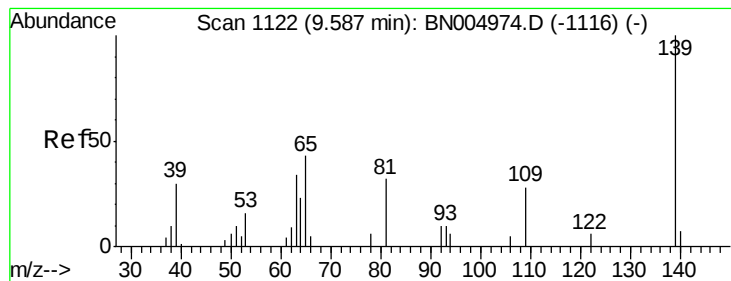
#23
Nitrobenzene-d5
Concen: 95.348 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

Tgt Ion: 82	Resp:	58278
Ion Ratio	Lower	Upper
82	100	
128	49.7	40.6 60.8
54	44.1	35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BNC





#26

2-Nitrophenol

Concen: 76.698 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

Instrument :

BNA_N

ClientSampleId :

PT-ACIDS-WP

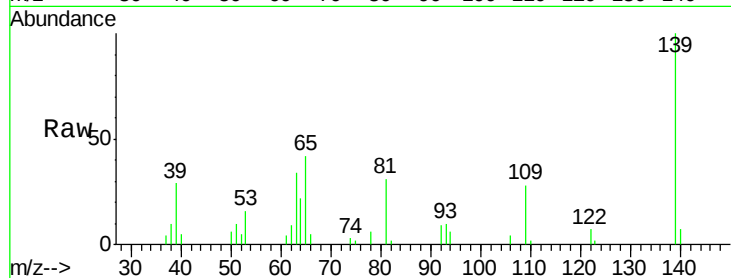
Tot Ion:139 Resp: 27547

Ion Ratio Lower Upper

139 100

109 27.9 22.5 33.7

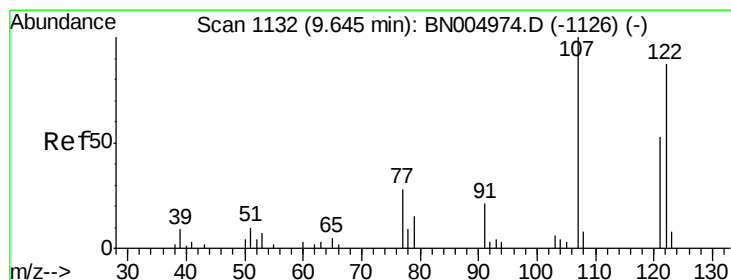
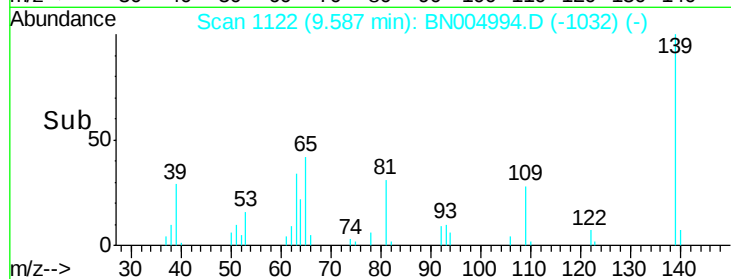
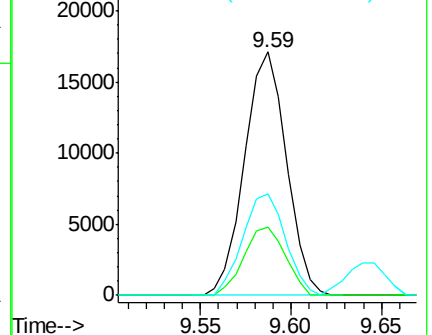
65 42.0 34.2 51.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC



#27

2,4-Dimethylphenol

Concen: 79.535 ng

RT: 9.64 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

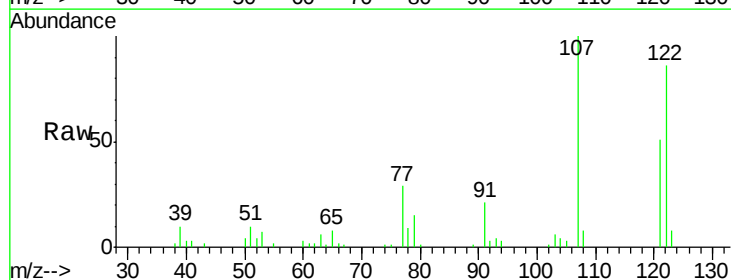
Tgt Ion:122 Resp: 39771

Ion Ratio Lower Upper

122 100

107 116.6 91.6 137.4

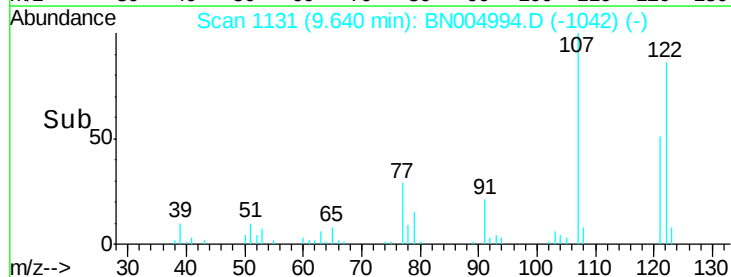
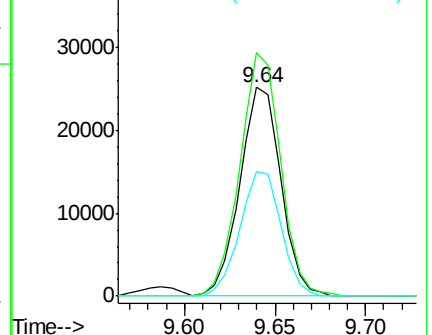
121 59.5 48.2 72.2

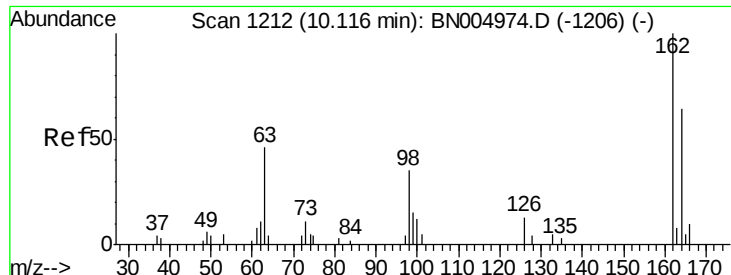


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

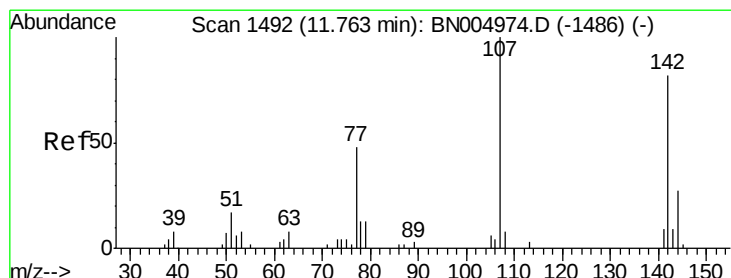
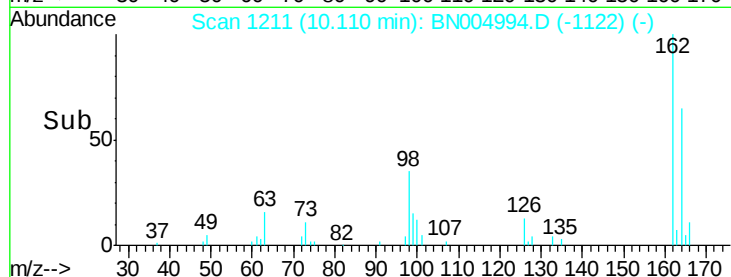
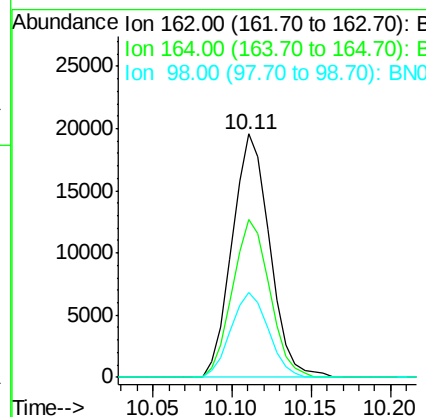
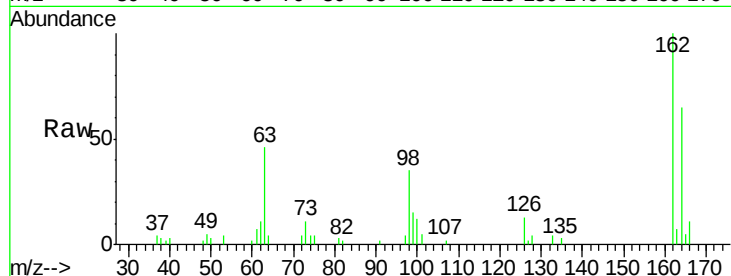




#29
 2,4-Dichlorophenol
 Concen: 55.824 ng
 RT: 10.11 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

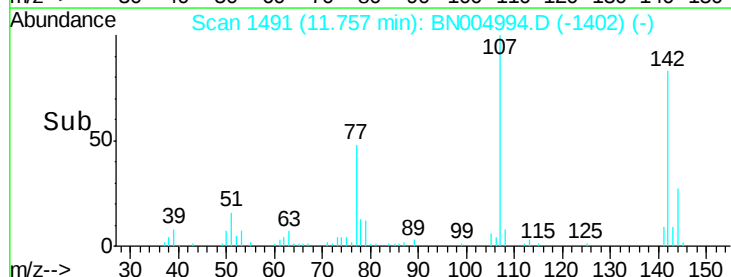
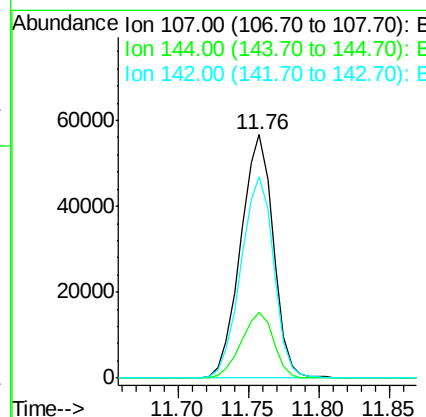
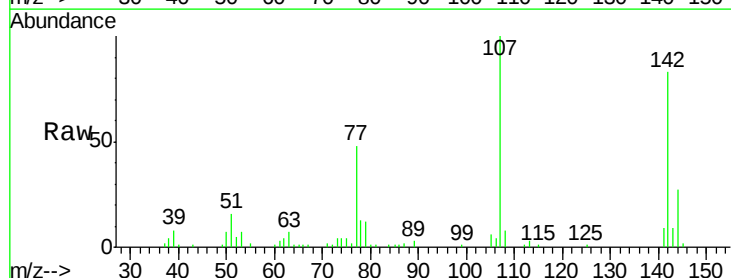
Instrument :
 BNA_N
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 PT-ACIDS-WP

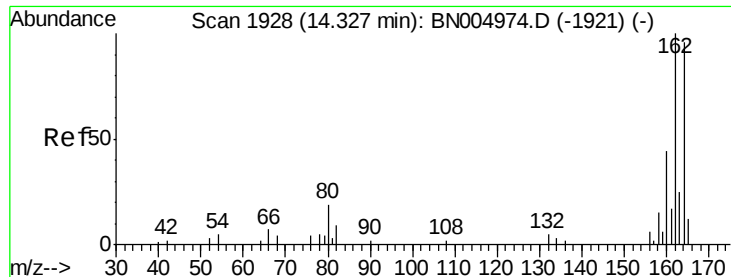
Tot Ion	162	Resp	32083
Ion Ratio	Lower	Upper	
162	100		
164	64.8	44.3	84.3
98	34.9	15.3	55.3



#36
 4-Chloro-3-methylphenol
 Concen: 147.956 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Tgt Ion	107	Resp	91858
Ion Ratio	Lower	Upper	
107	100		
144	26.9	21.3	31.9
142	82.8	65.8	98.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

Instrument :

BNA_N

ClientSampleId :

PT-ACIDS-WP

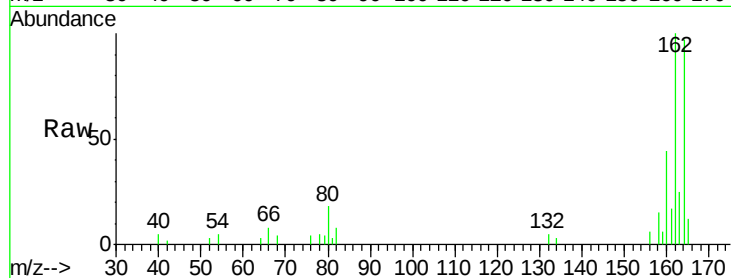
Tot Ion:164 Resp: 21154

Ion Ratio Lower Upper

164 100

162 102.8 83.4 125.0

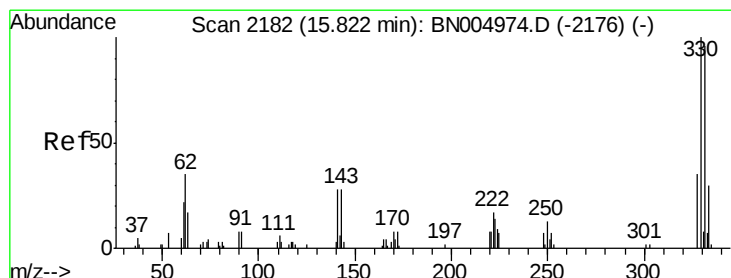
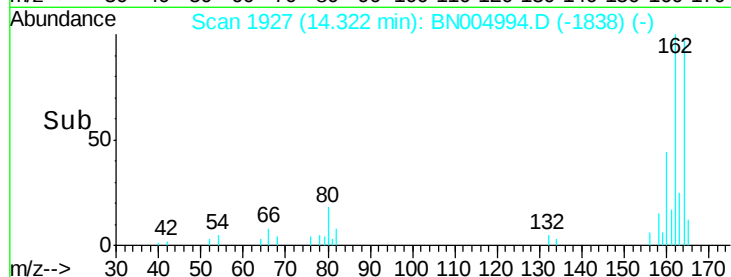
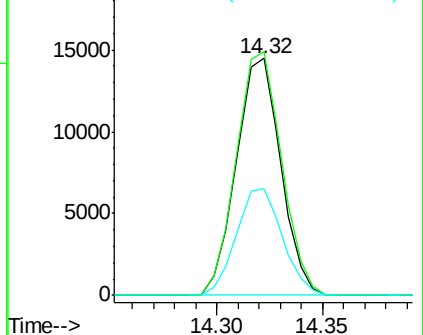
160 45.3 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 158.930 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004994.D

Acq: 27 Mar 2019 13:50

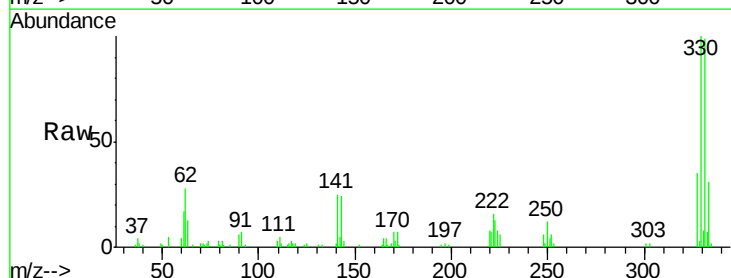
Tgt Ion:330 Resp: 54223

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

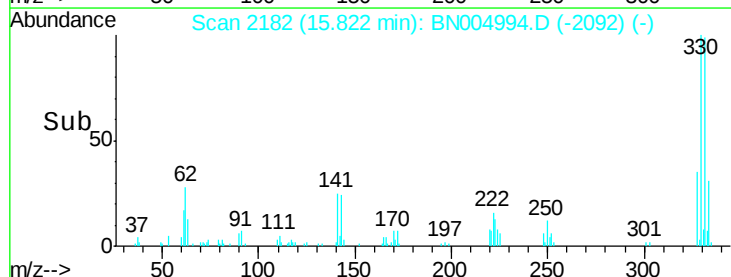
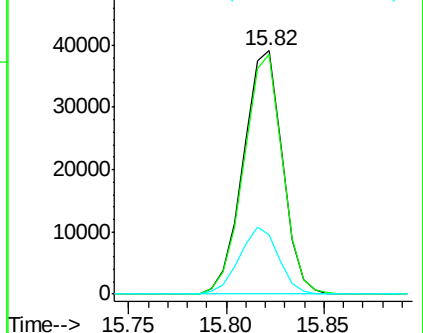
141 27.4 22.1 33.1

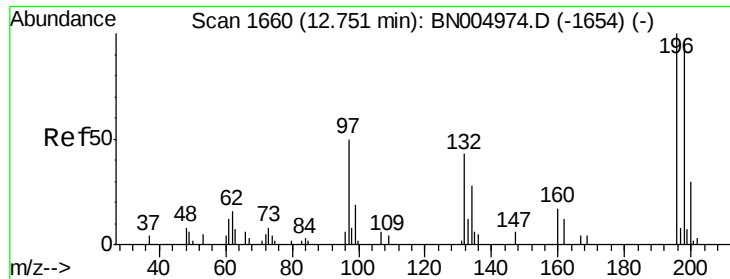


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

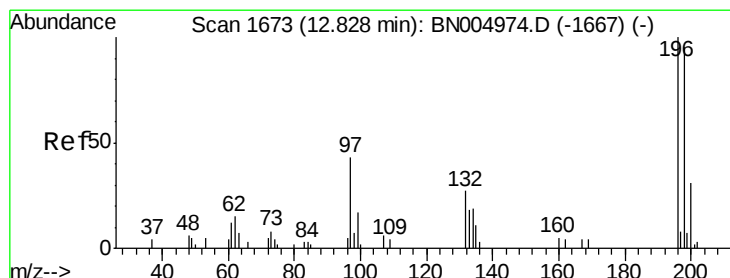
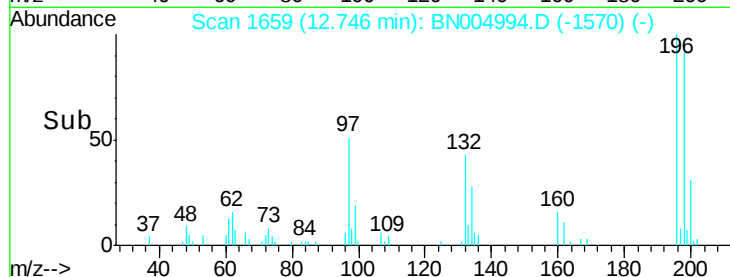
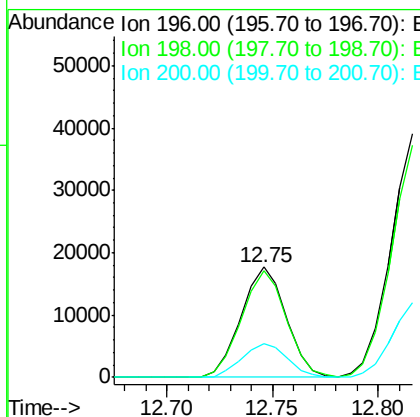
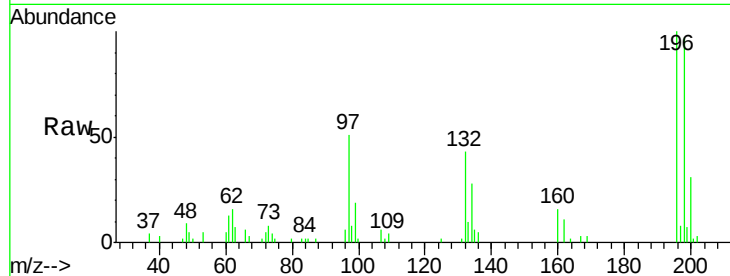




#43
 2,4,6-Trichlorophenol
 Concen: 56.305 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

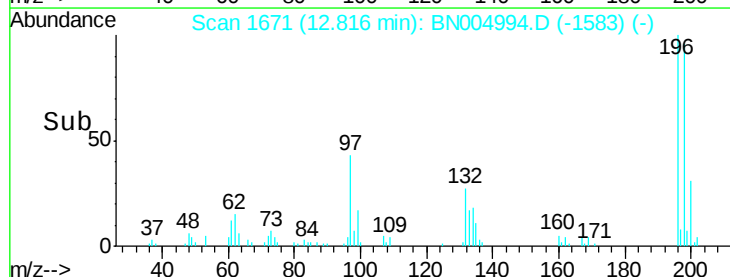
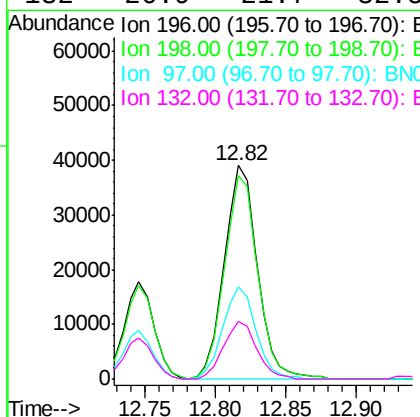
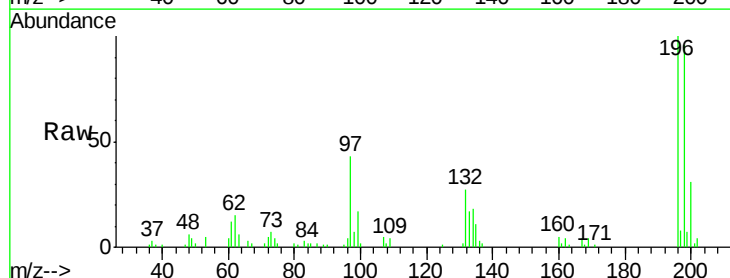
Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

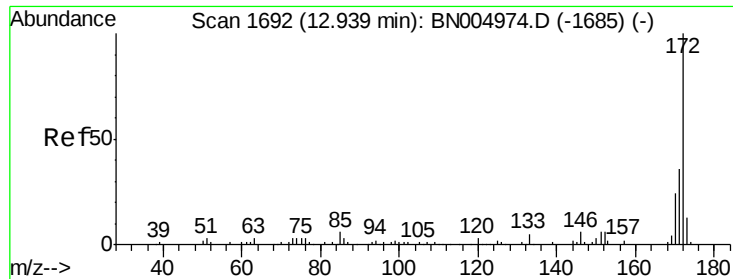
Tot Ion:196 Resp: 26214
 Ion Ratio Lower Upper
 196 100
 198 96.8 76.5 114.7
 200 30.8 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 126.489 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Tgt Ion:196 Resp: 64155
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.1 114.1
 97 43.2 34.8 52.2
 132 26.9 21.7 32.5

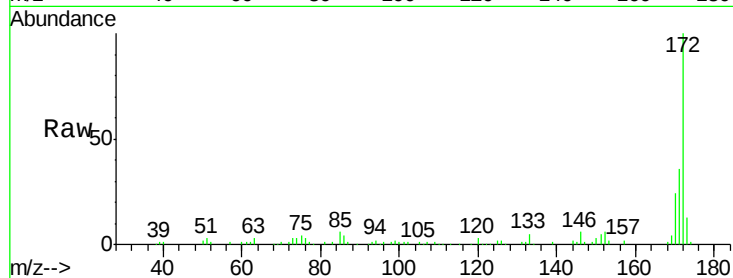




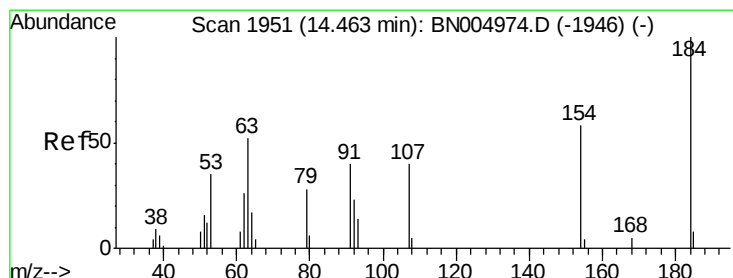
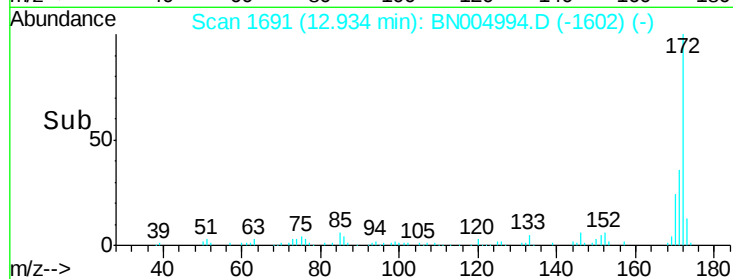
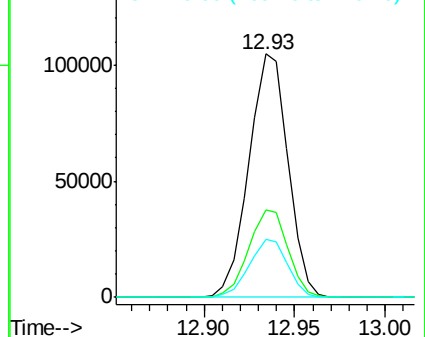
#45
 2-Fluorobiphenyl
 Concen: 98.284 ng
 RT: 12.93 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:172 Resp: 156899
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 42.8
 170 23.6 18.9 28.3

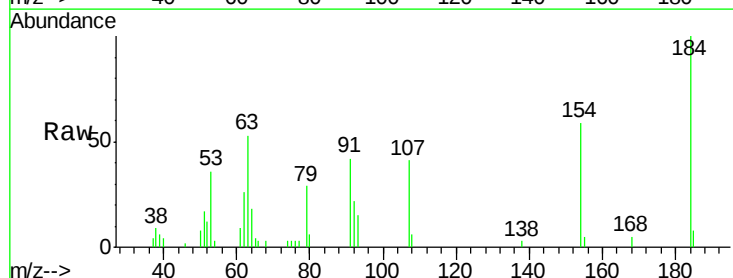


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

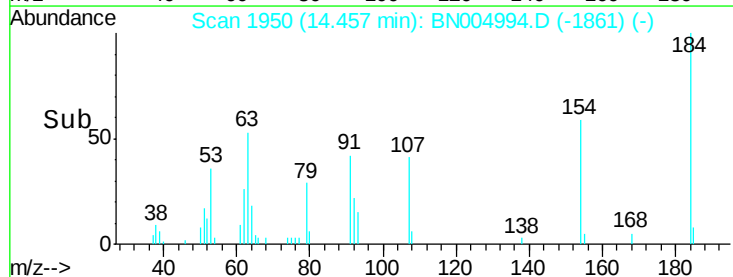
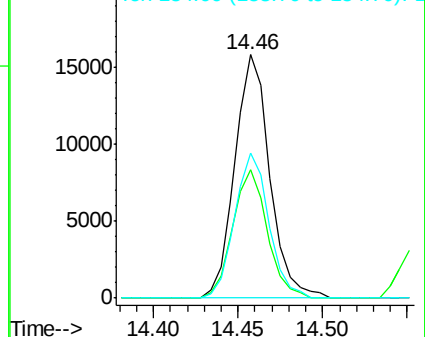


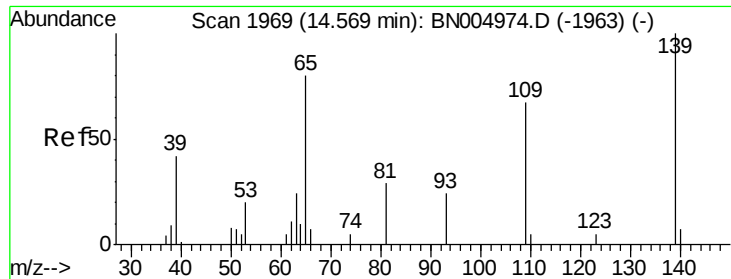
#54
 2,4-Dinitrophenol
 Concen: 94.985 ng
 RT: 14.46 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Tgt Ion:184 Resp: 22754
 Ion Ratio Lower Upper
 184 100
 63 52.5 41.6 62.4
 154 59.3 46.8 70.2



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 154.00 (153.70 to 154.70): E

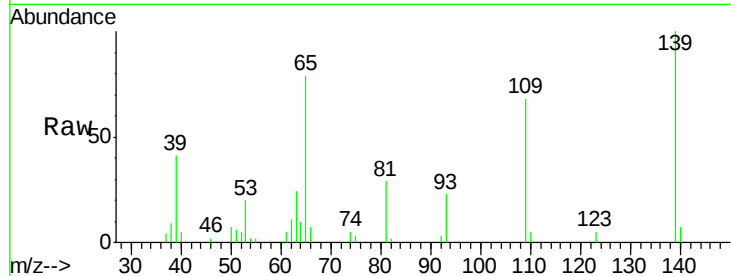




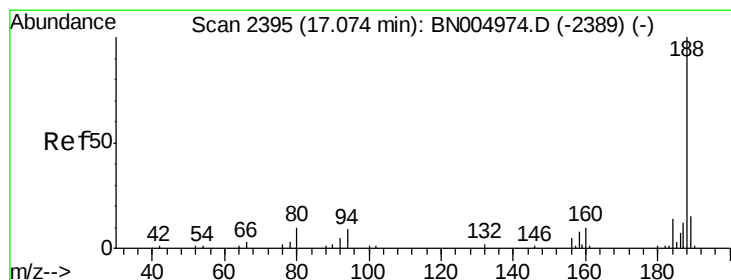
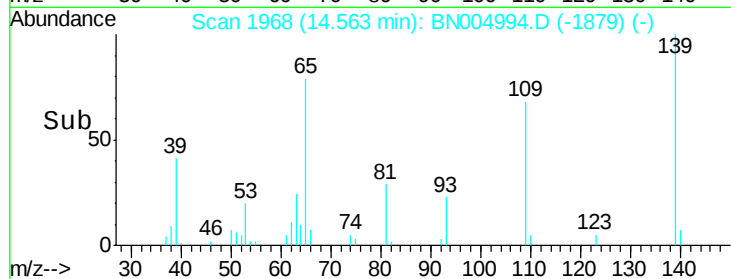
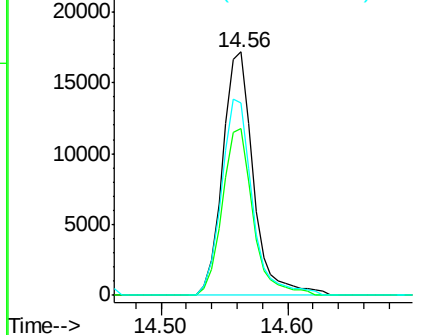
#56
 4-Nitrophenol
 Concen: 90.714 ng
 RT: 14.56 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:139 Resp: 28885
 Ion Ratio Lower Upper
 139 100
 109 68.4 46.5 86.5
 65 79.1 59.5 99.5

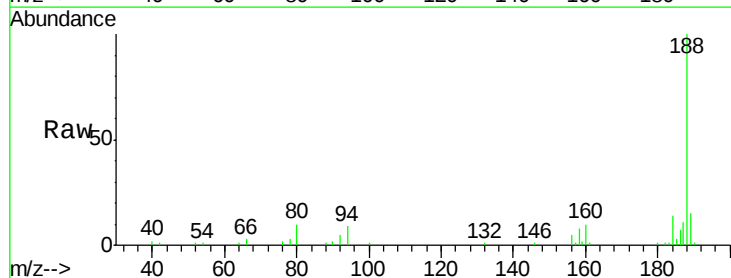


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BNC

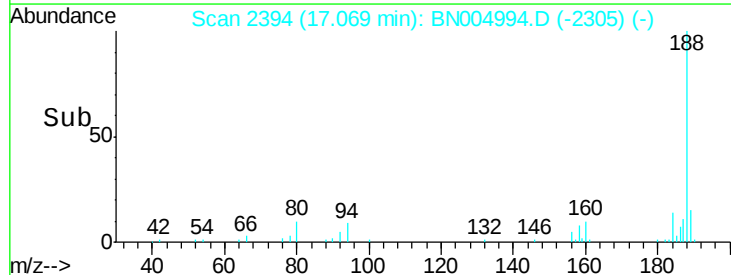
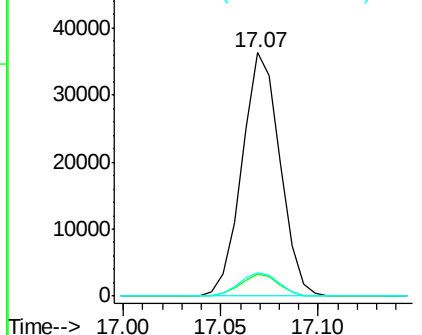


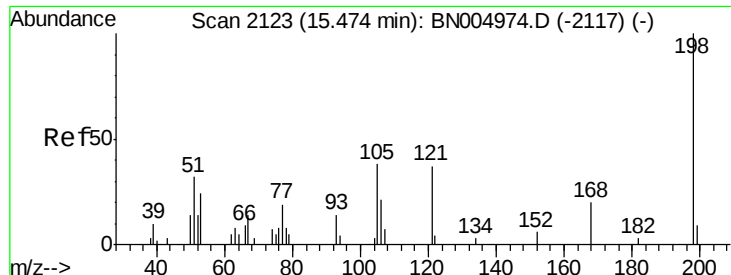
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2394
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Tgt Ion:188 Resp: 48938
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.2 10.8
 80 9.7 7.8 11.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

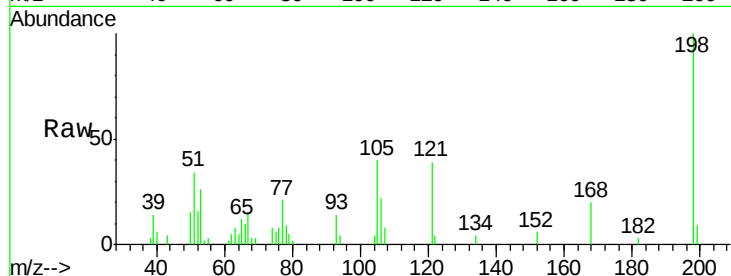




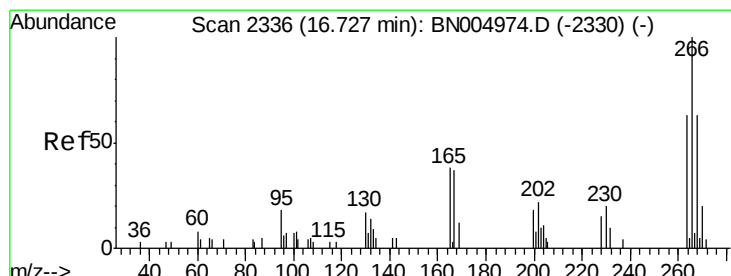
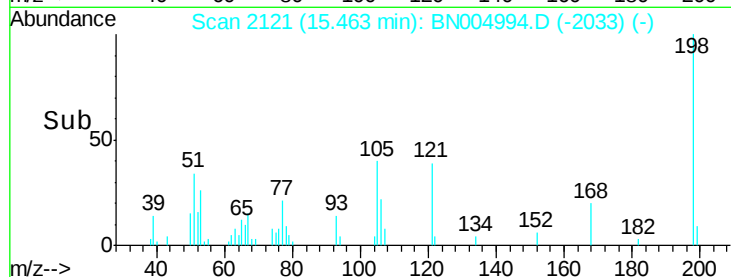
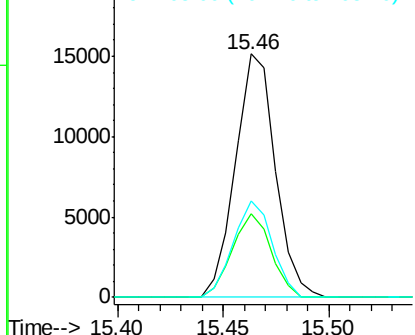
#65
 4,6-Dinitro-2-methylphenol
 Concen: 59.628 ng
 RT: 15.46 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:198 Resp: 19883
 Ion Ratio Lower Upper
 198 100
 51 34.4 12.0 52.0
 105 39.6 17.6 57.6

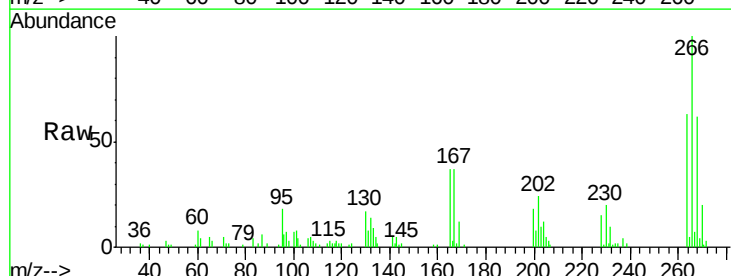


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): B
 Ion 105.00 (104.70 to 105.70): E

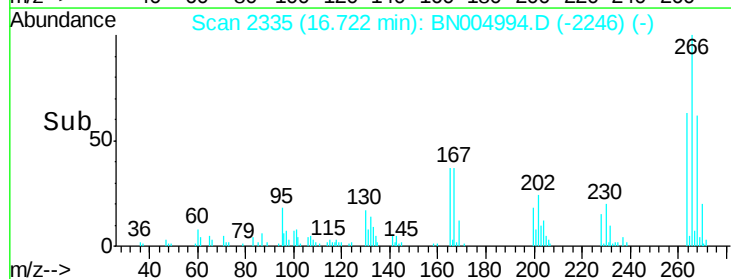
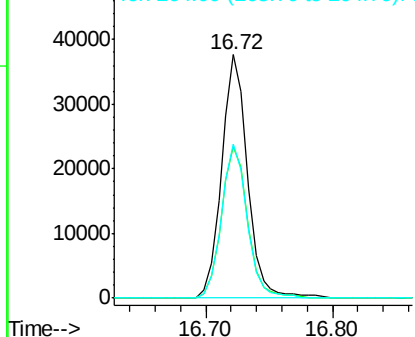


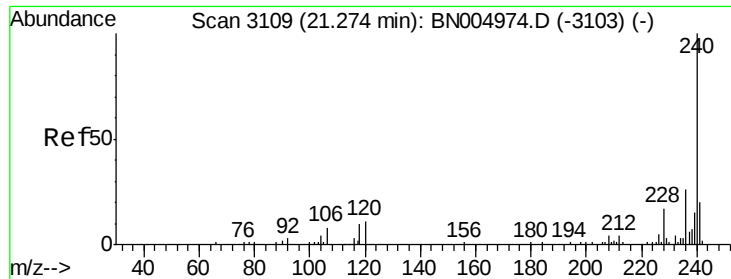
#70
 Pentachlorophenol
 Concen: 141.275 ng
 RT: 16.72 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Tgt Ion:266 Resp: 53145
 Ion Ratio Lower Upper
 266 100
 268 62.2 50.8 76.2
 264 63.0 50.0 75.0



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

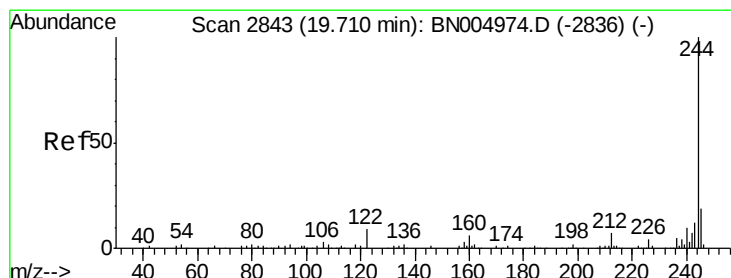
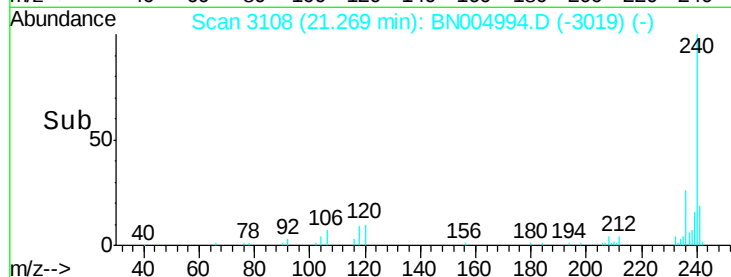
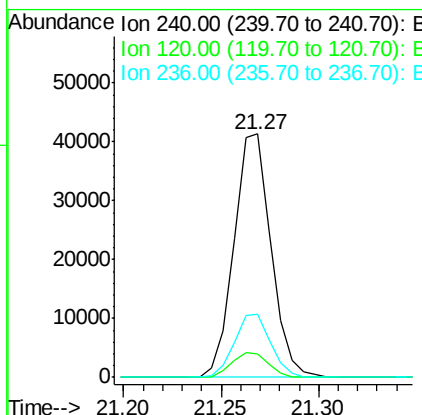
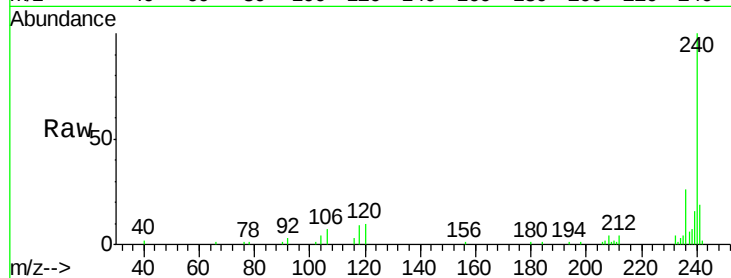




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

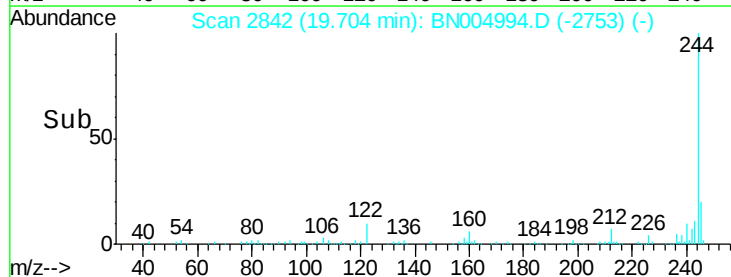
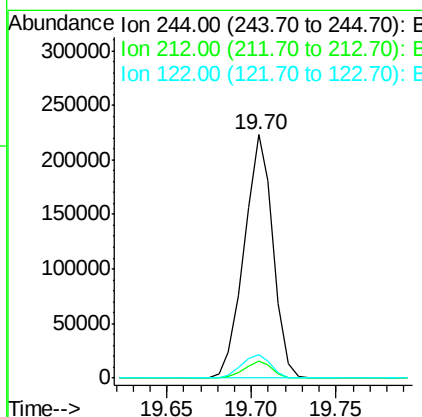
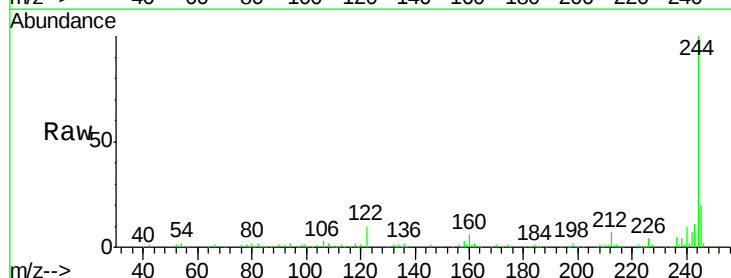
Instrument :
BNA_N
ClientSampleId :
PT-ACIDS-WP

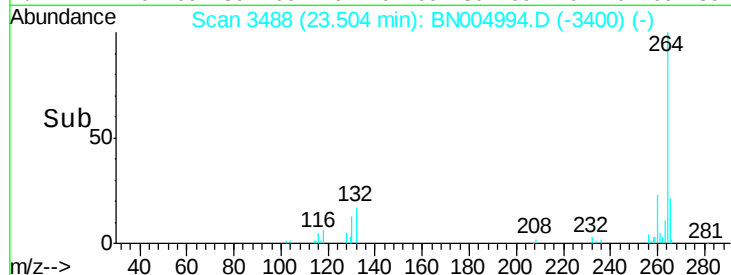
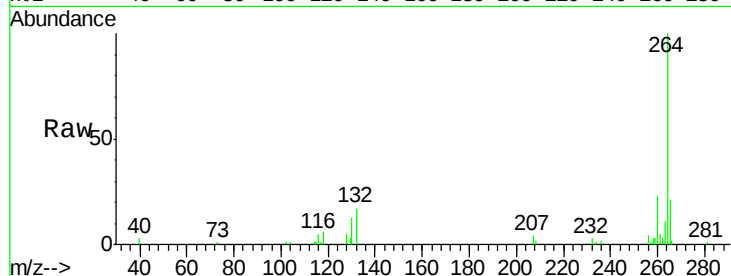
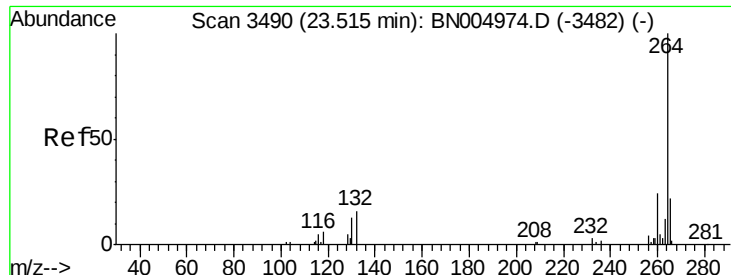
Tot Ion:240 Resp: 54147
Ion Ratio Lower Upper
240 100
120 9.7 8.5 12.7
236 25.8 21.2 31.8



#79
Terphenyl-d14
Concen: 94.045 ng
RT: 19.70 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BN004994.D
Acq: 27 Mar 2019 13:50

Tgt Ion:244 Resp: 264498
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.6 7.4 11.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3488
 Delta R.T. -0.01 min
 Lab File: BN004994.D
 Acq: 27 Mar 2019 13:50

Instrument :
 BNA_N
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:	264	Resp:	55525
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	21.4	17.2	25.8

