

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN072618\
 Data File : BN002168.D
 Acq On : 26 Jul 2018 10:43
 Operator : JU/SJ
 Sample : J4086-22
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 1535

Quant Time: Jul 27 01:33:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 26 18:27:25 2018
 Response via : Initial Calibration

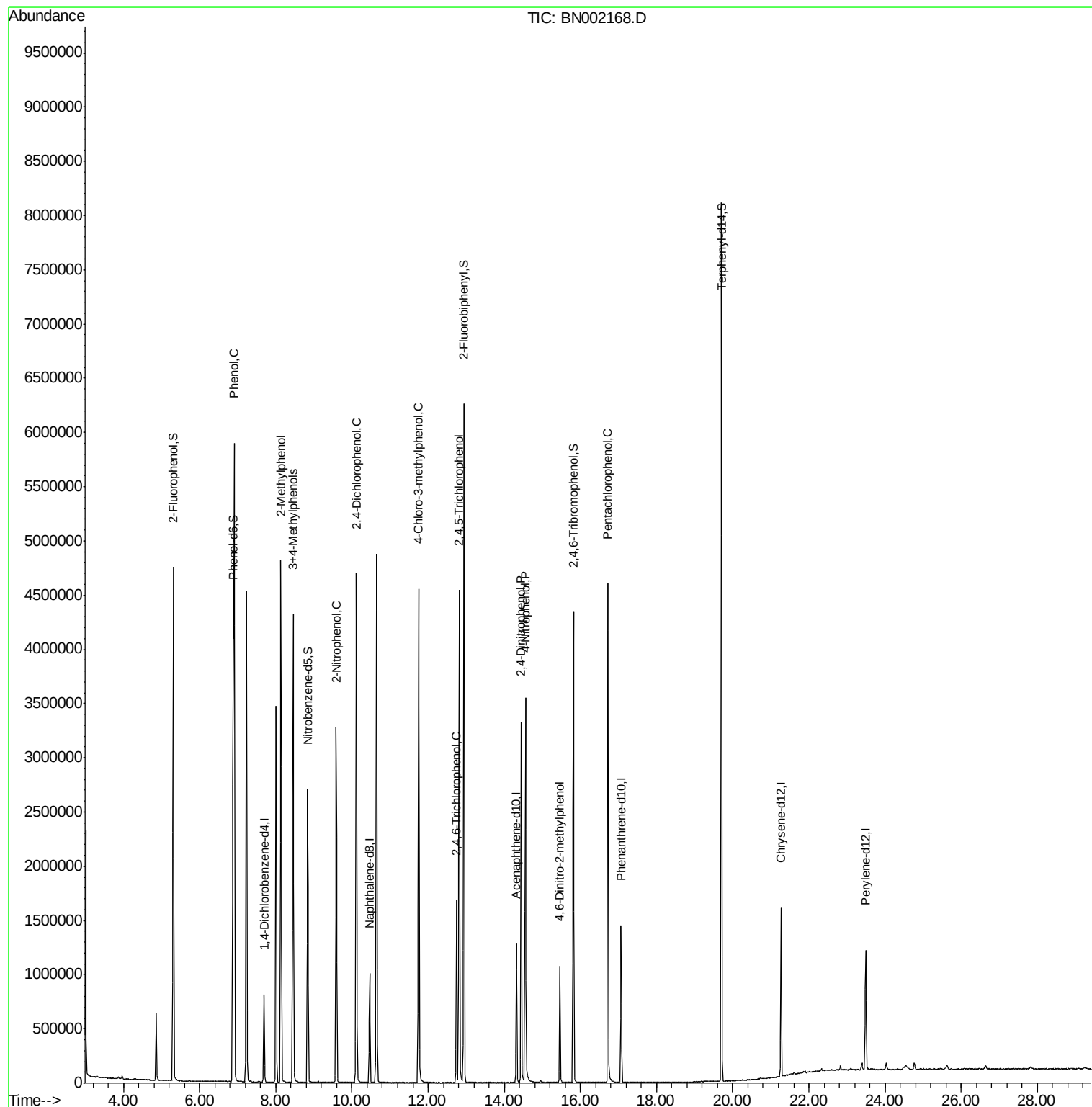
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	209762	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	800842	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	409733	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	824108	20.00	ng	0.00
75) Chrysene-d12	21.26	240	736041	20.00	ng	-0.01
86) Perylene-d12	23.49	264	759154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1855077	142.38	ng	0.00
7) Phenol-d6	6.88	99	2466173	134.88	ng	0.00
23) Nitrobenzene-d5	8.84	82	1531601	98.08	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	758662	142.59	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3161724	100.51	ng	0.00
78) Terphenyl-d14	19.71	244	3749517	106.25	ng	0.00
Target Compounds						
10) Phenol	6.91	94	2914856	155.524	ng	Qvalue 97
17) 2-Methylphenol	8.13	107	1405076	109.812	ng	95
20) 3+4-Methylphenols	8.46	107	1866754	104.567	ng	95
26) 2-Nitrophenol	9.59	139	1027858	131.475	ng	95
29) 2,4-Dichlorophenol	10.12	162	1634024	128.880	ng	95
36) 4-Chloro-3-methylphenol	11.76	107	1616785	112.146	ng	95
42) 2,4,6-Trichlorophenol	12.75	196	385504	41.704	ng	97
43) 2,4,5-Trichlorophenol	12.82	196	1188897	121.419	ng	96
53) 2,4-Dinitrophenol	14.45	184	656683	164.016	ng	98
55) 4-Nitrophenol	14.56	139	960820	152.757	ng	87
64) 4,6-Dinitro-2-methylphenol	15.46	198	220080	39.555	ng	98
69) Pentachlorophenol	16.72	266	790939	115.148	ng	99

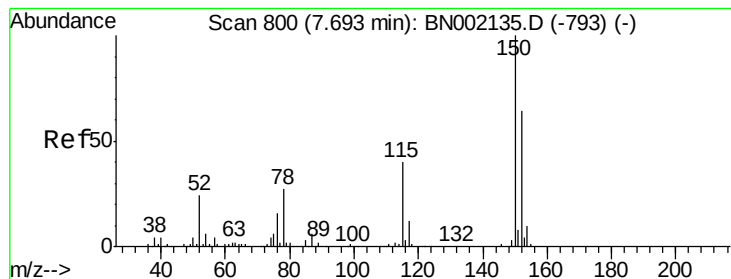
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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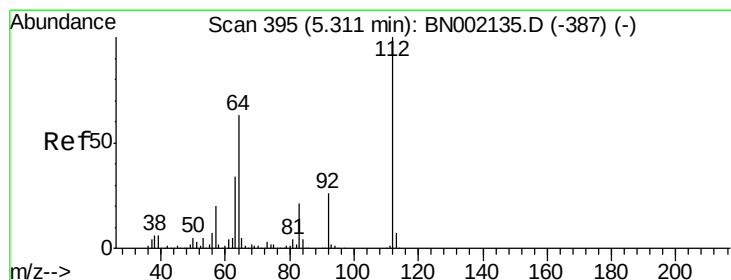
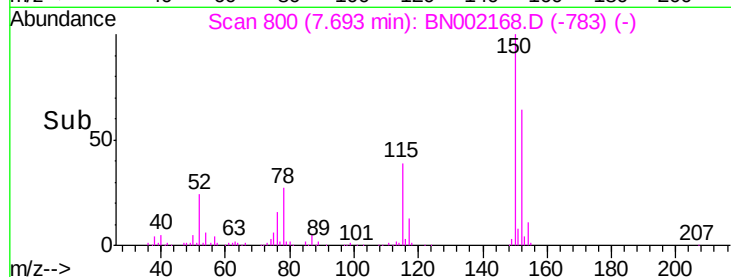
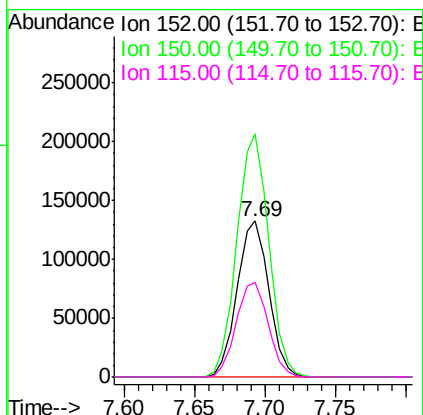
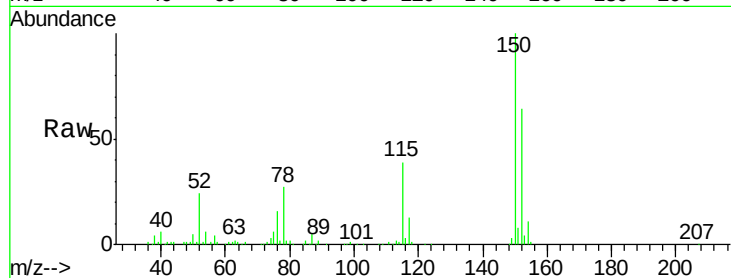


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Instrument :
BNA_N
ClientSampleId :
1535

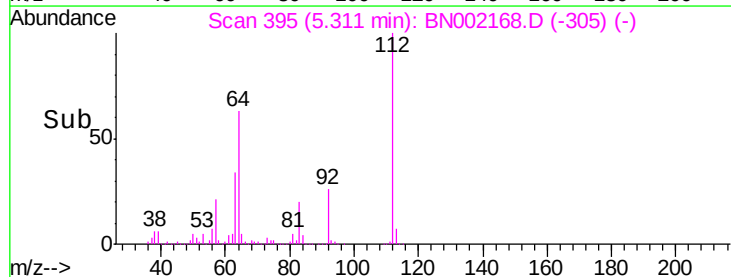
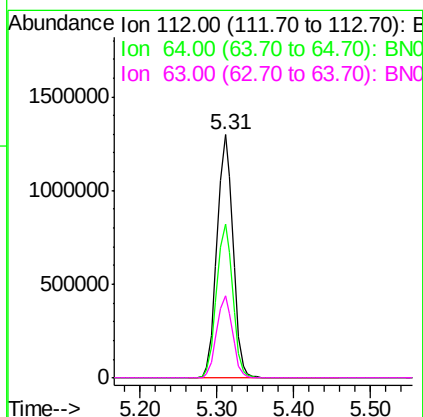
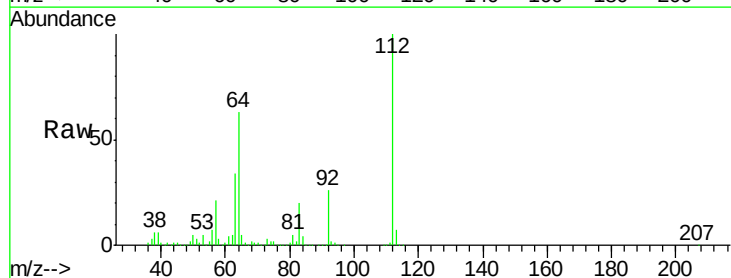
Tgt Ion:152 Resp: 209762
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 60.7 53.0 79.4

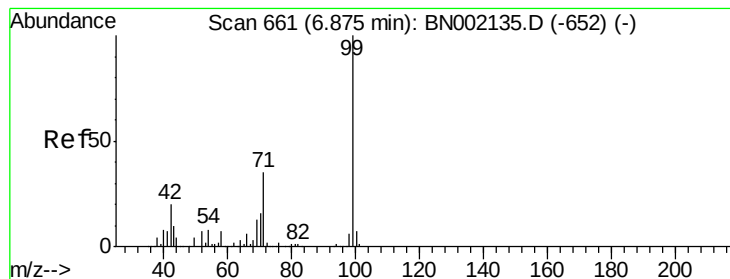


#5

2-Fluorophenol
Concen: 142.378 ng
RT: 5.31 min Scan# 395
Delta R.T. 0.00 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Tgt Ion:112 Resp: 1855077
Ion Ratio Lower Upper
112 100
64 63.1 56.3 84.5
63 33.8 30.1 45.1





#7

Phenol-d6

Concen: 134.880 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

Instrument :

BNA_N

ClientSampleId :
1535

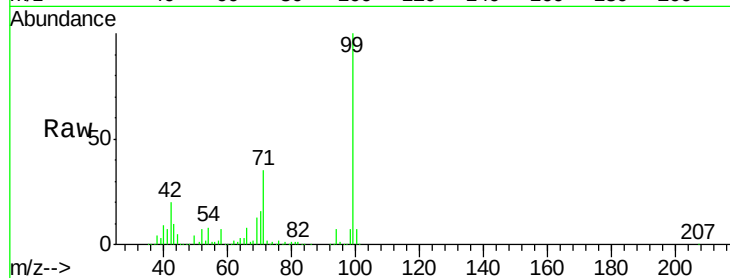
Tgt Ion: 99 Resp: 2466173

Ion Ratio Lower Upper

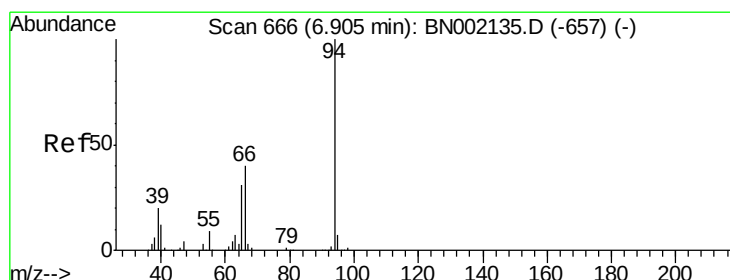
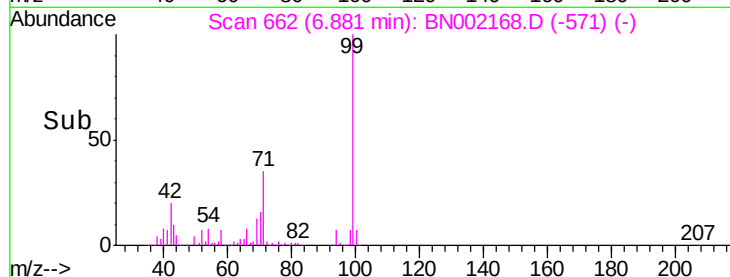
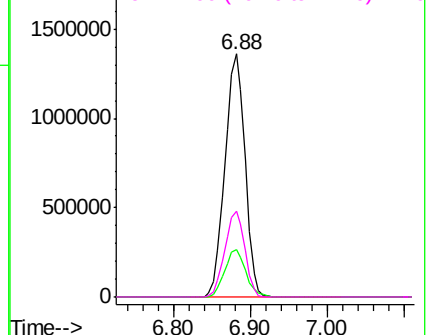
99 100

42 19.8 14.1 21.1

71 35.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#10

Phenol

Concen: 155.524 ng

RT: 6.91 min Scan# 667

Delta R.T. 0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

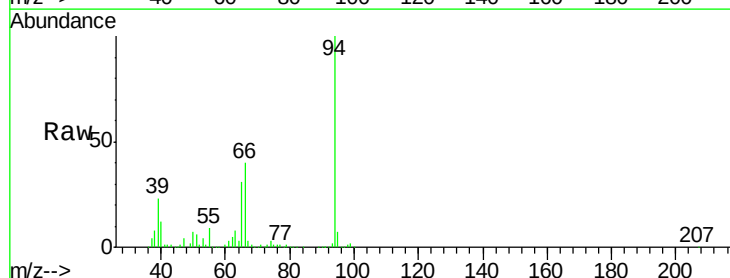
Tgt Ion: 94 Resp: 2914856

Ion Ratio Lower Upper

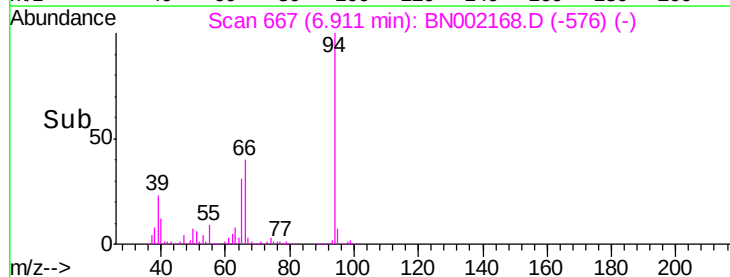
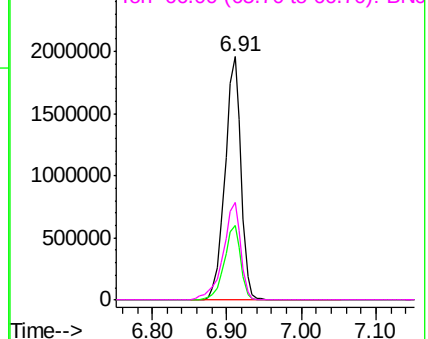
94 100

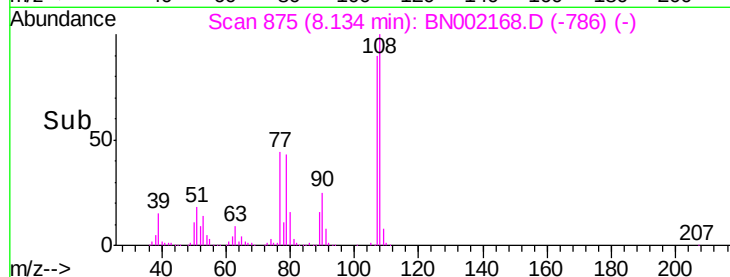
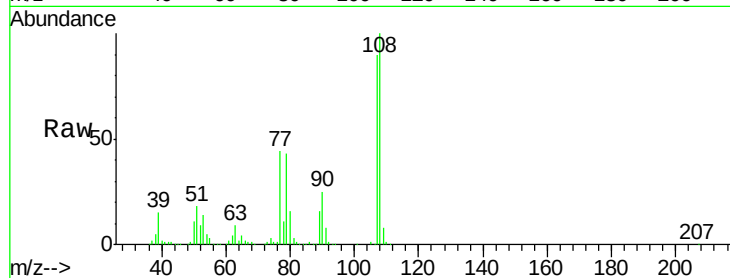
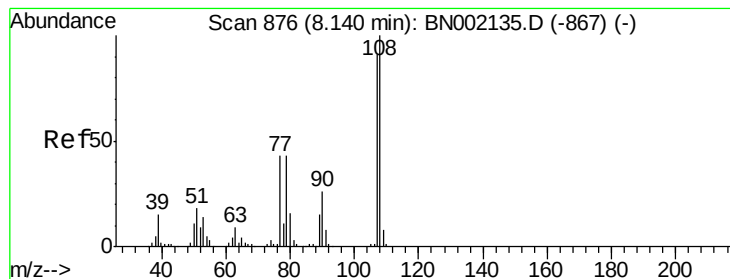
65 30.7 11.9 51.9

66 40.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0





#17

2-Methylphenol

Concen: 109.812 ng

RT: 8.13 min Scan# 875

Delta R.T. -0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

Instrument :

BNA_N

ClientSampled :

1535

Tgt Ion:107 Resp: 1405076

Ion Ratio Lower Upper

107 100

108 111.6 83.9 125.9

77 48.7 37.2 55.8

79 47.5 36.2 54.2

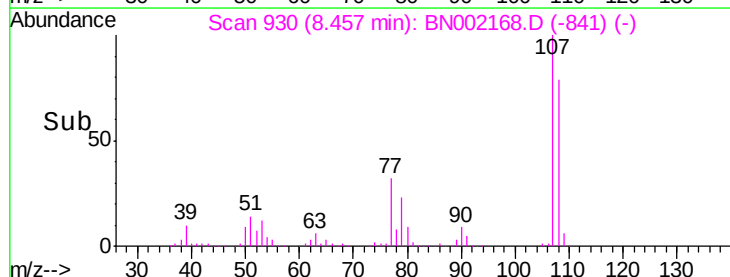
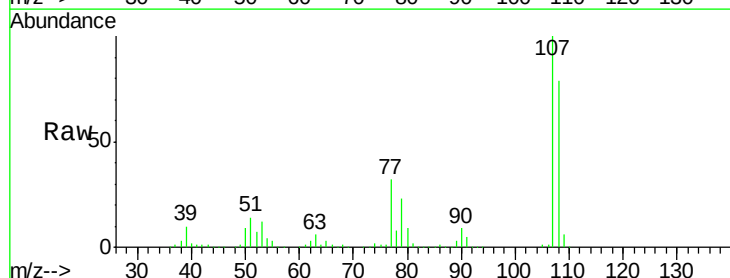
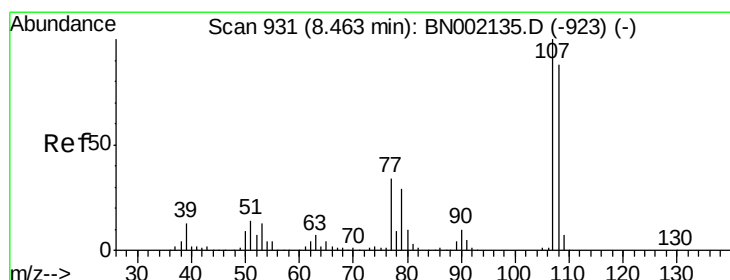
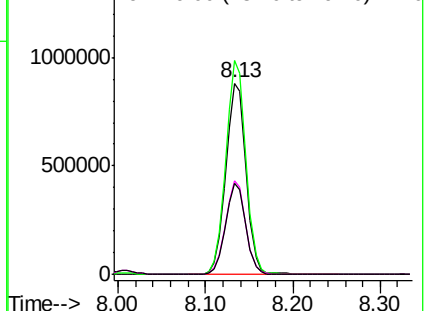
Abundance

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: 104.567 ng

RT: 8.46 min Scan# 930

Delta R.T. -0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

Tgt Ion:107 Resp: 1866754

Ion Ratio Lower Upper

107 100

108 79.3 61.6 101.6

77 31.9 13.9 53.9

79 22.8 8.8 48.8

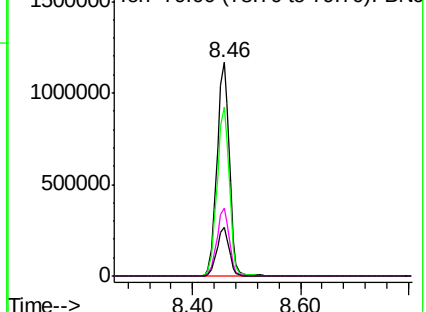
Abundance

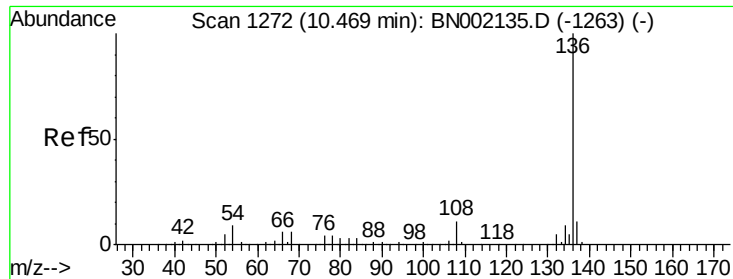
Ion 107.00 (106.70 to 107.70): E

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

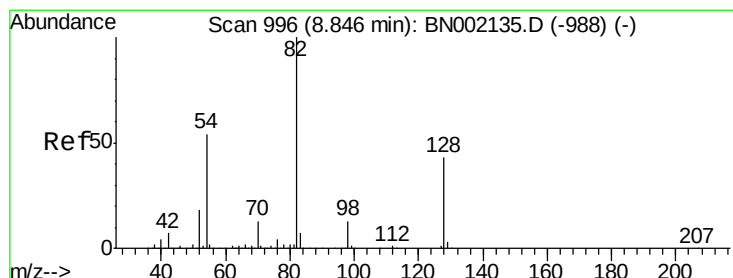
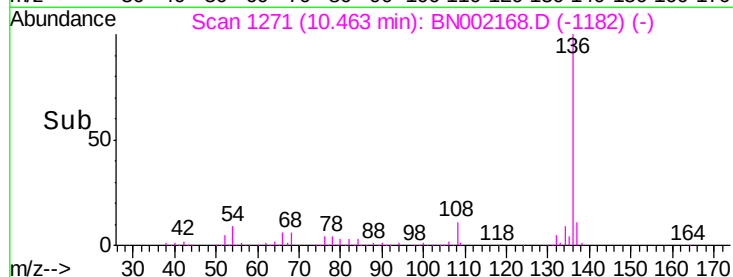
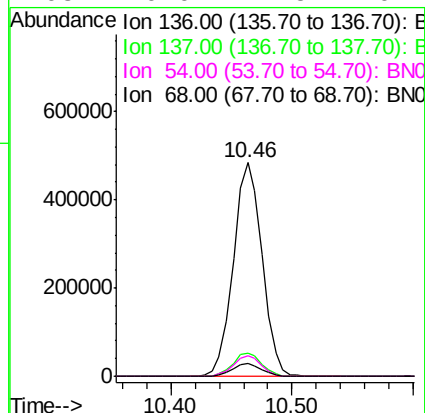
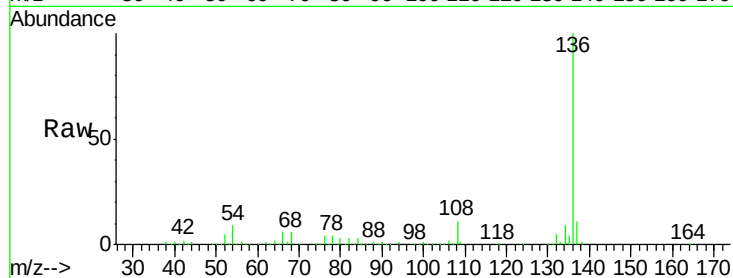




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

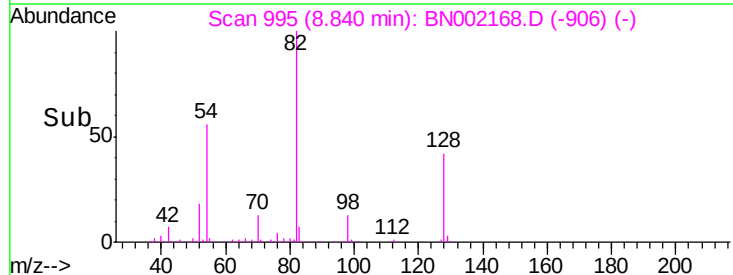
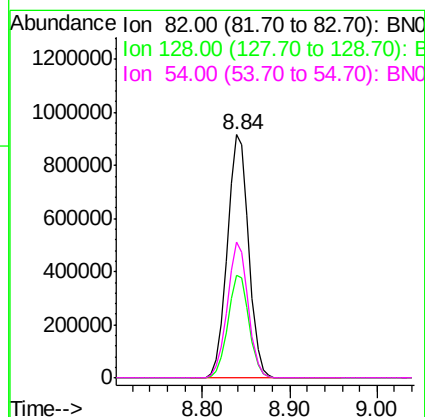
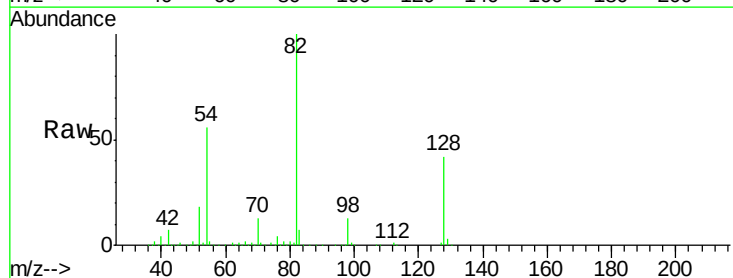
Instrument :
BNA_N
ClientSampled :
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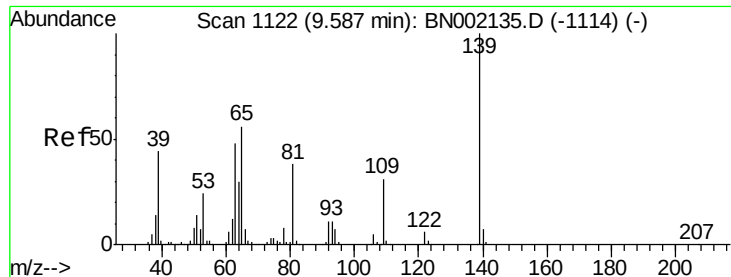
Tgt Ion:136 Resp: 800842
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.5 10.3 15.5#
68 6.0 4.5 6.7



#23
Nitrobenzene-d5
Concen: 98.078 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Tgt Ion: 82 Resp: 1531601
Ion Ratio Lower Upper
82 100
128 42.0 29.7 44.5
54 55.7 43.1 64.7

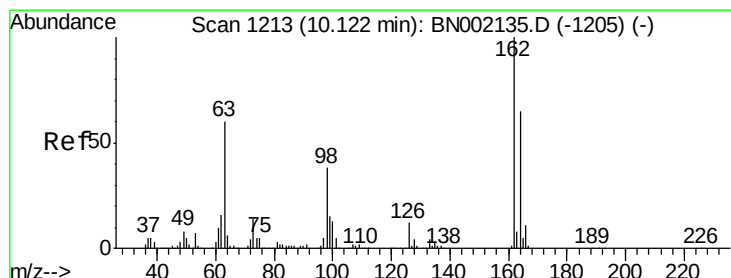
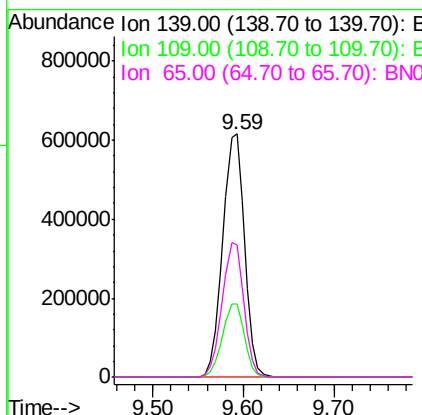
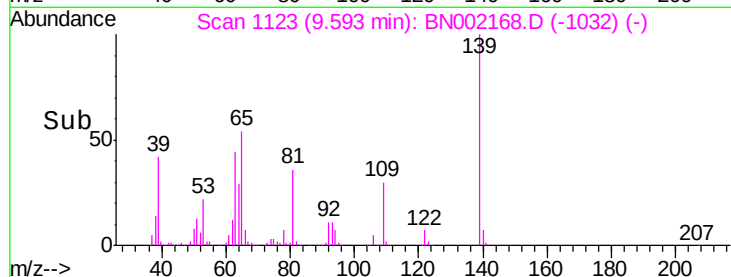
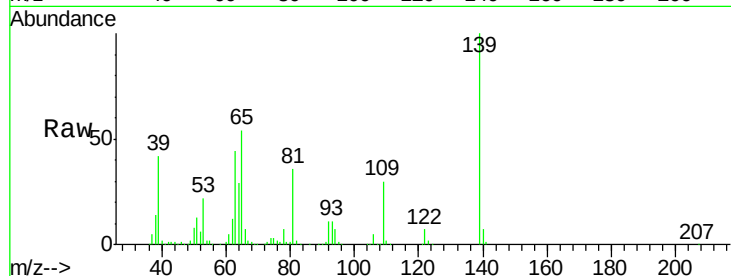




#26
 2-Nitrophenol
 Concen: 131.475 ng
 RT: 9.59 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

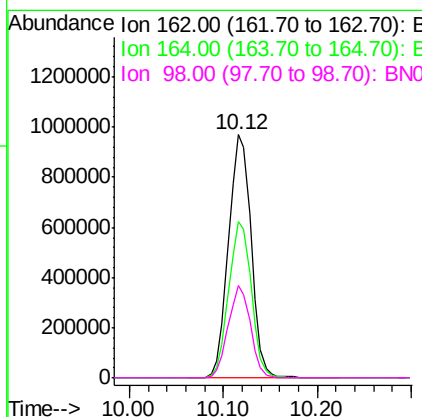
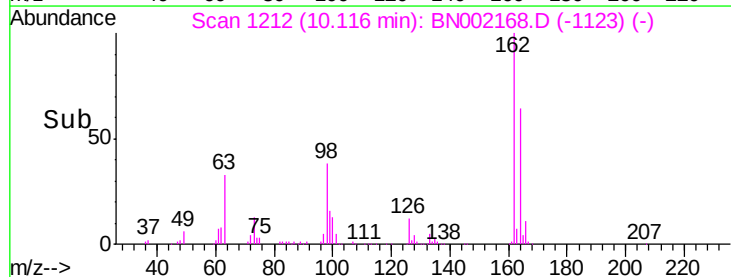
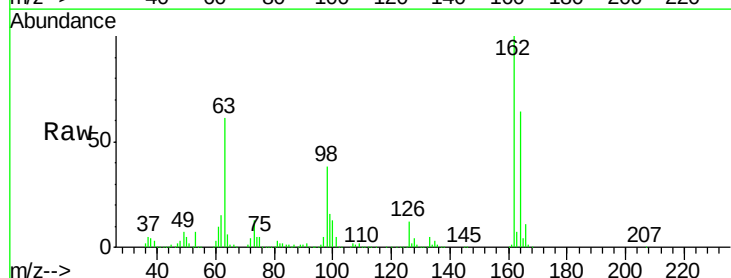
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 ClientSampleId :
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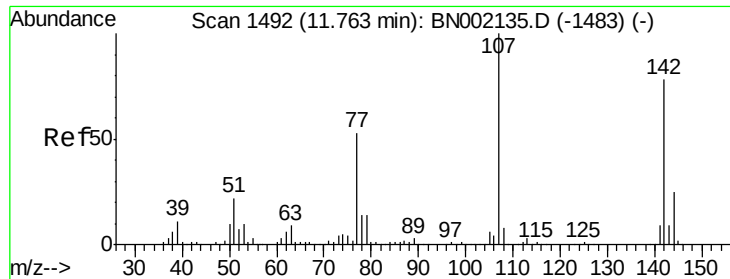
Tgt Ion:139 Resp: 1027858
 Ion Ratio Lower Upper
 139 100
 109 30.3 24.2 36.2
 65 54.1 47.4 71.0



#29
 2,4-Dichlorophenol
 Concen: 128.880 ng
 RT: 10.12 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

Tgt Ion:162 Resp: 1634024
 Ion Ratio Lower Upper
 162 100
 164 64.1 48.0 88.0
 98 37.9 21.1 61.1

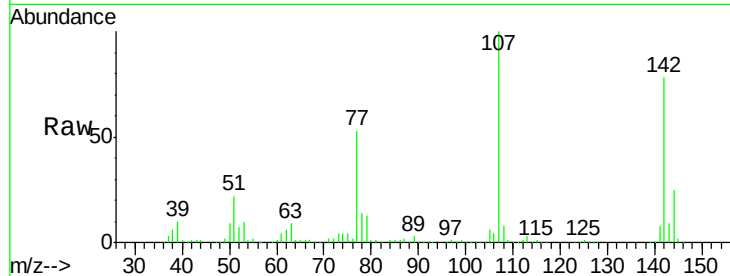




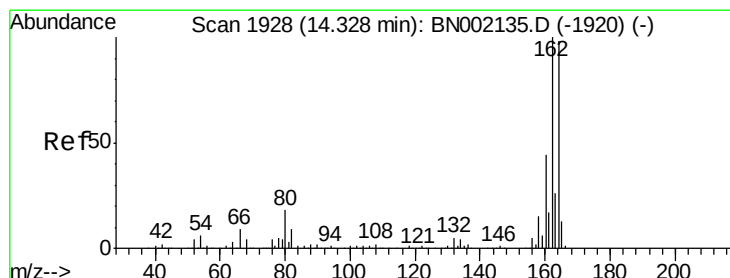
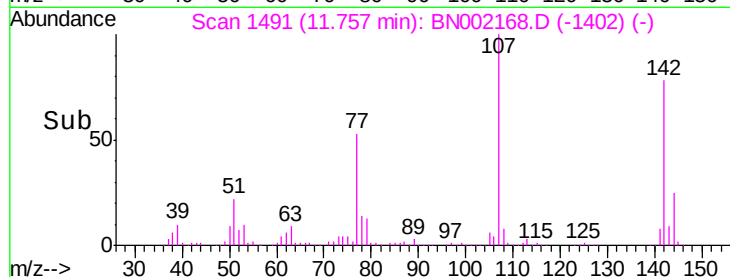
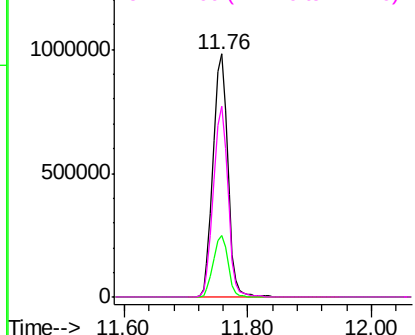
#36
4-Chloro-3-methylphenol
Concen: 112.146 ng
RT: 11.76 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Instrument :
BNA_N
ClientSampled :
1535

Tgt Ion:107 Resp: 1616785
Ion Ratio Lower Upper
107 100
144 25.3 18.2 27.4
142 78.4 59.0 88.4

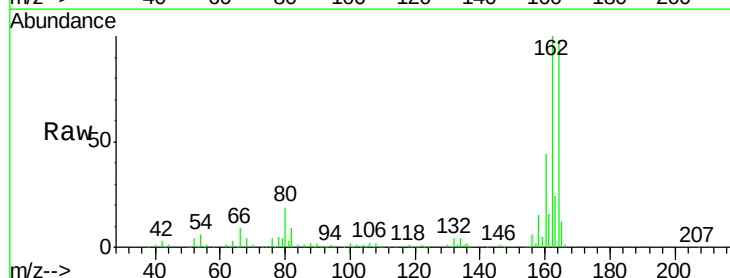


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

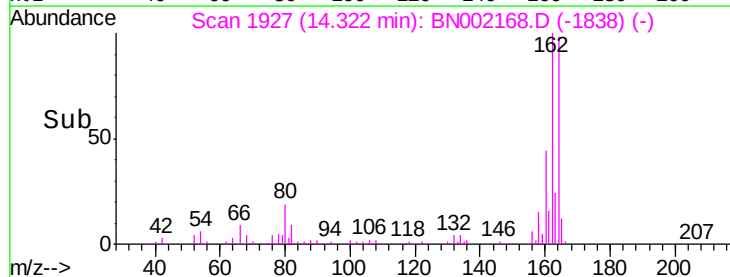
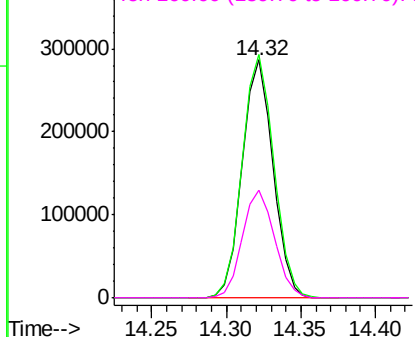


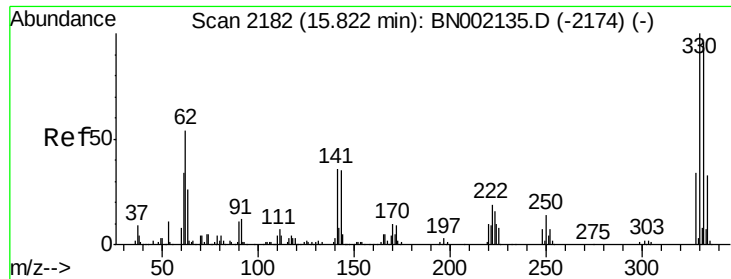
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Tgt Ion:164 Resp: 409733
Ion Ratio Lower Upper
164 100
162 102.3 78.8 118.2
160 45.5 35.4 53.0



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

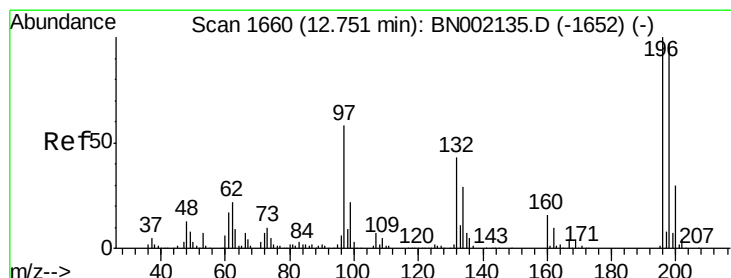
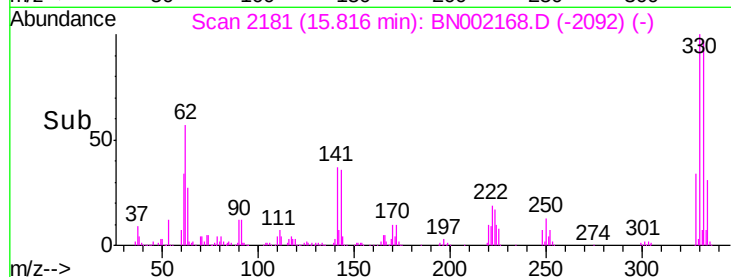
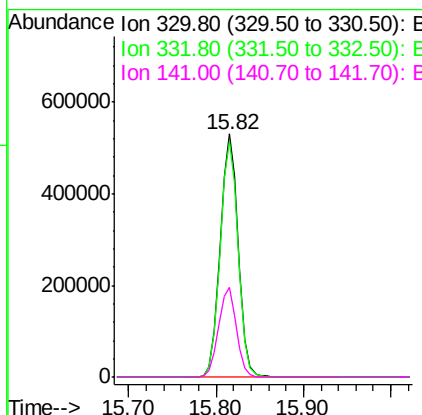
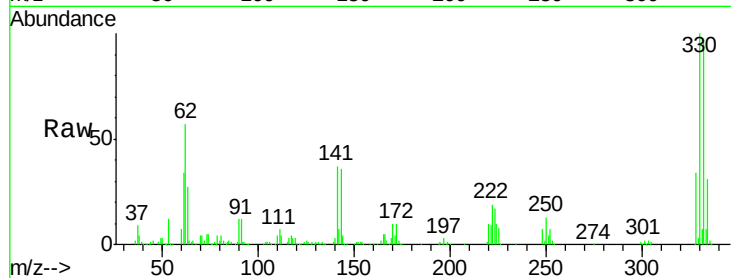




#41
 2,4,6-Tribromophenol
 Concen: 142.591 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

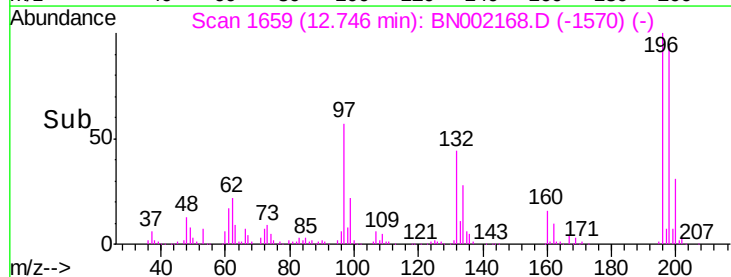
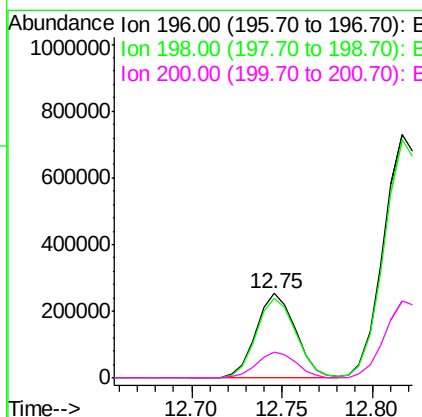
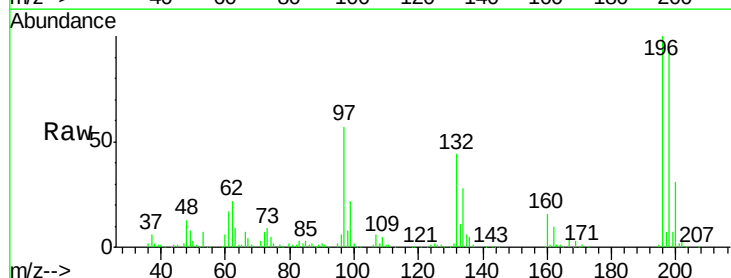
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 BNA_N
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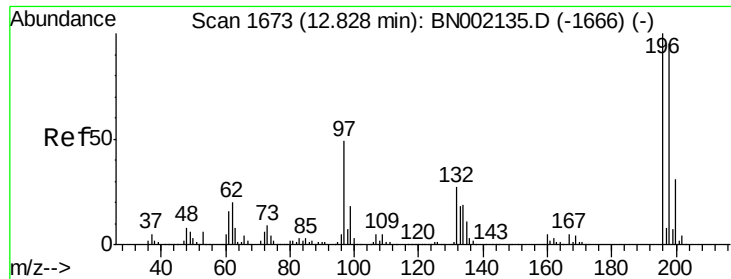
Tgt Ion:330 Resp: 758662
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 36.9 25.2 37.8



#42
 2,4,6-Trichlorophenol
 Concen: 41.704 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

Tgt Ion:196 Resp: 385504
 Ion Ratio Lower Upper
 196 100
 198 93.7 78.2 117.2
 200 30.9 24.6 36.8

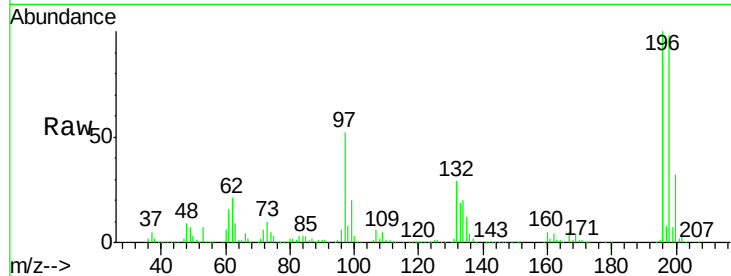




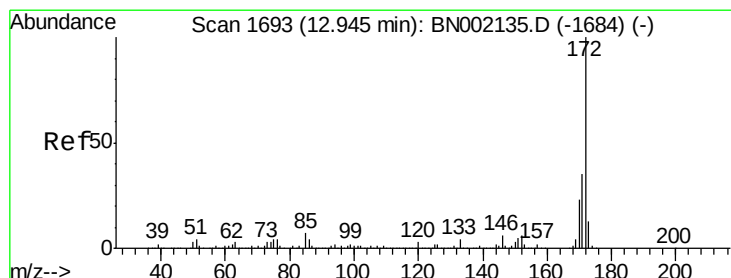
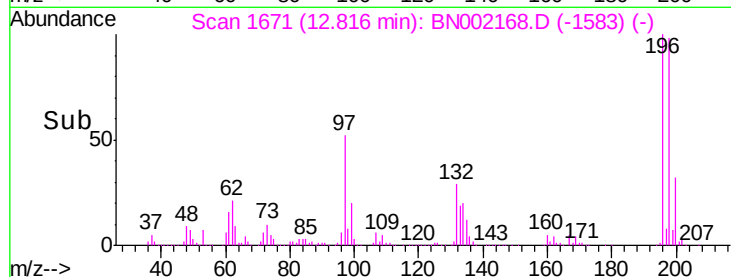
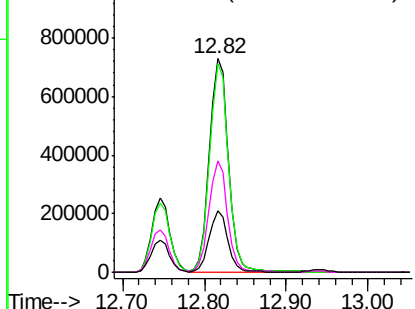
#43
 2,4,5-Trichlorophenol
 Concen: 121.419 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

Instrument :
 BNA_N
 ClientSampleId :
 1535

Tgt Ion:196 Resp: 1188897
 Ion Ratio Lower Upper
 196 100
 198 97.8 76.2 114.4
 97 52.0 38.7 58.1
 132 28.5 20.2 30.2

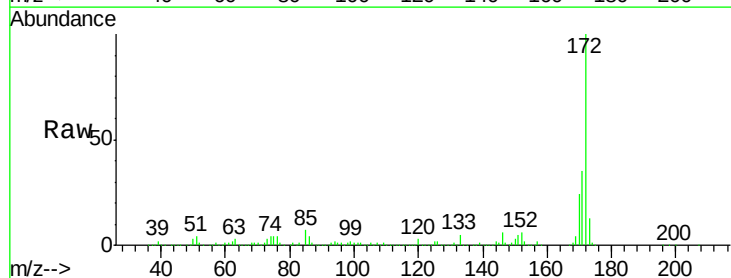


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BNC
 Ion 132.00 (131.70 to 132.70): E

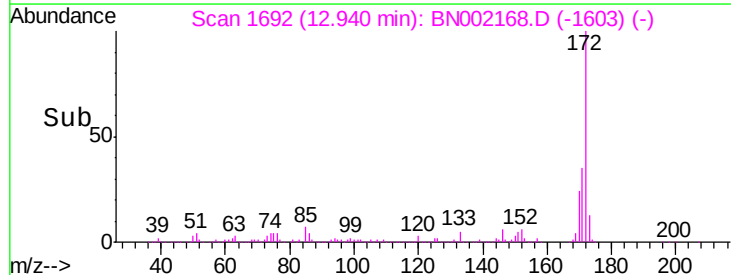
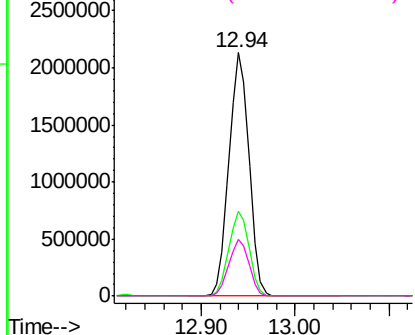


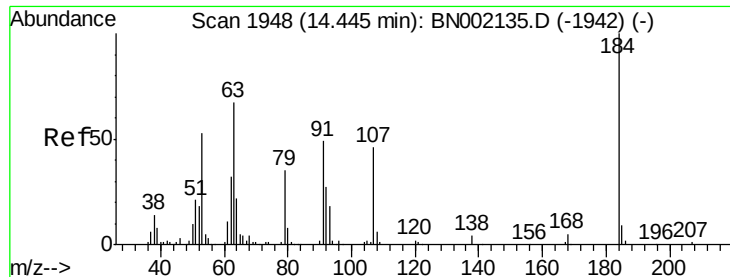
#44
 2-Fluorobiphenyl
 Concen: 100.509 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

Tgt Ion:172 Resp: 3161724
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 23.5 19.5 29.3



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

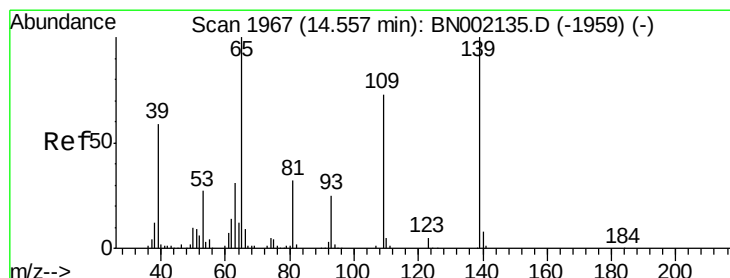
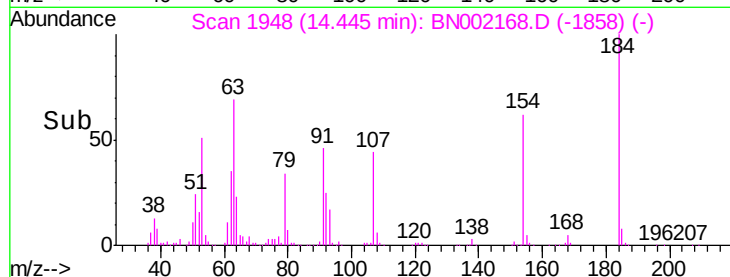
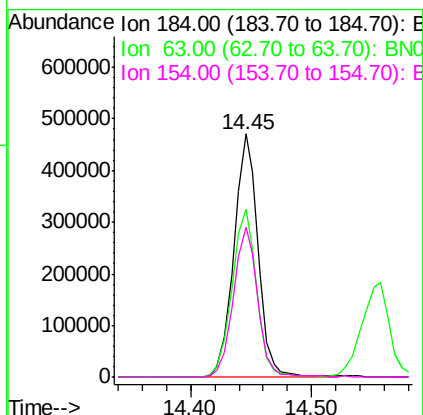
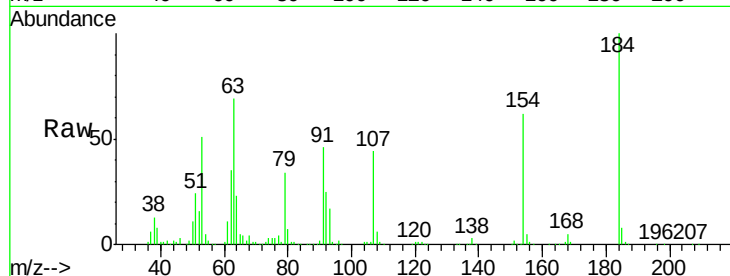




#53
2,4-Dinitrophenol
Concen: 164.016 ng
RT: 14.45 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

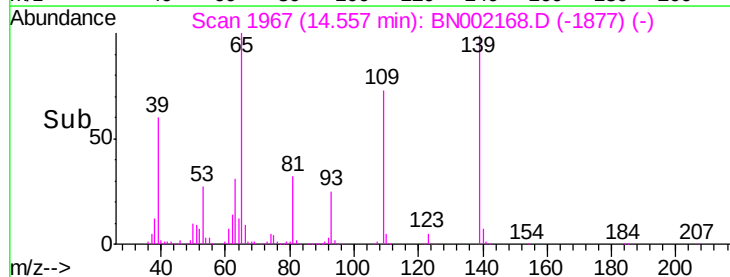
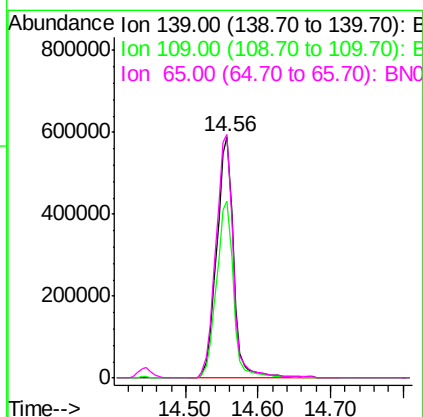
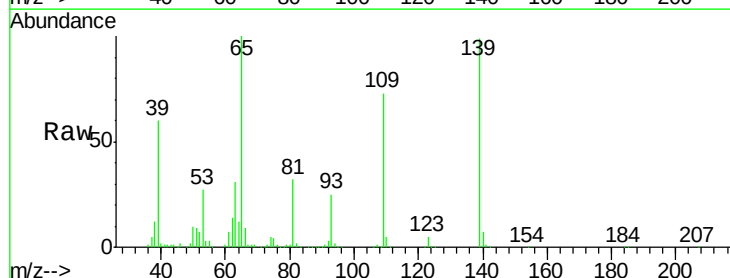
Instrument :
BNA_N
ClientSampleId :
1535

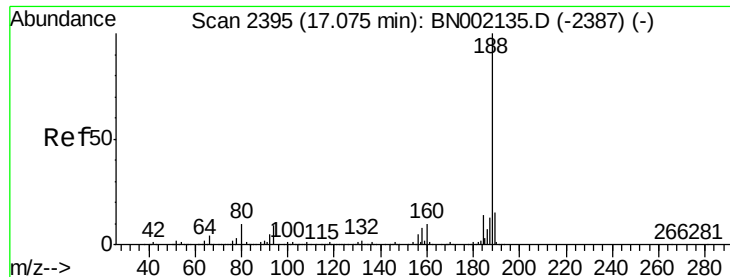
Tgt Ion:184 Resp: 656683
Ion Ratio Lower Upper
184 100
63 69.0 56.0 84.0
154 61.8 48.0 72.0



#55
4-Nitrophenol
Concen: 152.757 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BN002168.D
Acq: 26 Jul 2018 10:43

Tgt Ion:139 Resp: 960820
Ion Ratio Lower Upper
139 100
109 73.5 62.2 102.2
65 100.9 97.2 137.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

Instrument :

BNA_N

ClientSampleId :

1535

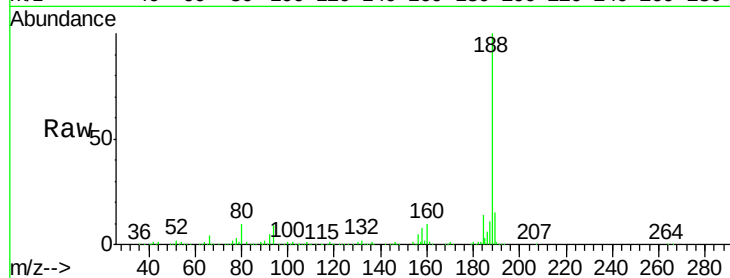
Tgt Ion:188 Resp: 824108

Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

80 9.7 7.7 11.5



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

800000

600000

400000

200000

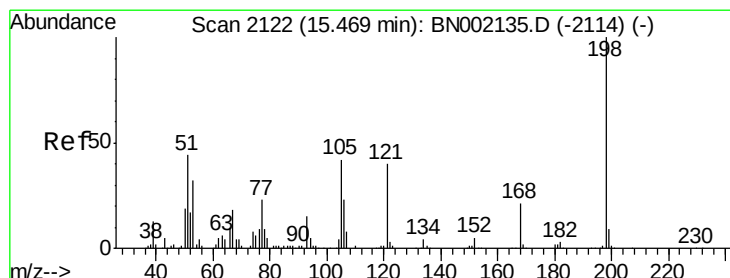
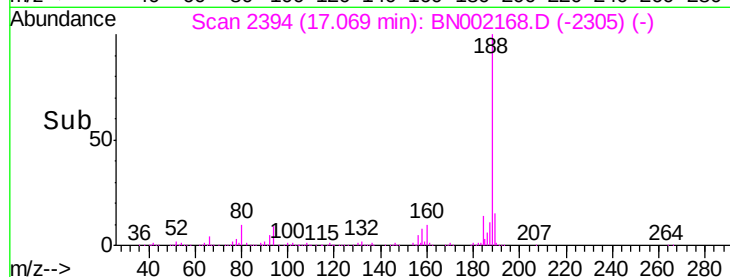
0

17.07

17.00

17.10

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 39.555 ng

RT: 15.46 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

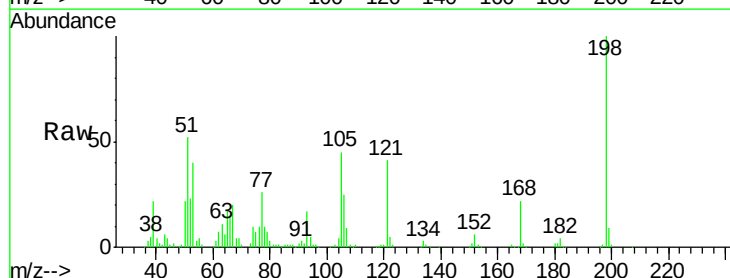
Tgt Ion:198 Resp: 220080

Ion Ratio Lower Upper

198 100

51 52.3 30.6 70.6

105 45.2 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

200000

150000

100000

50000

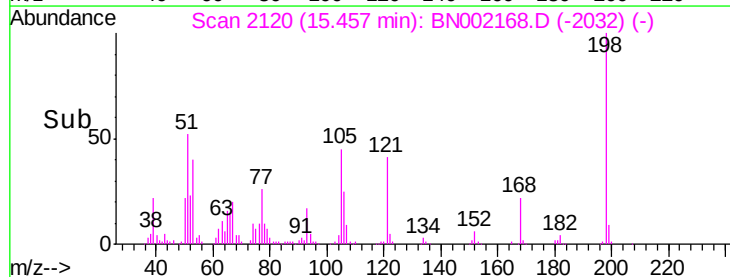
0

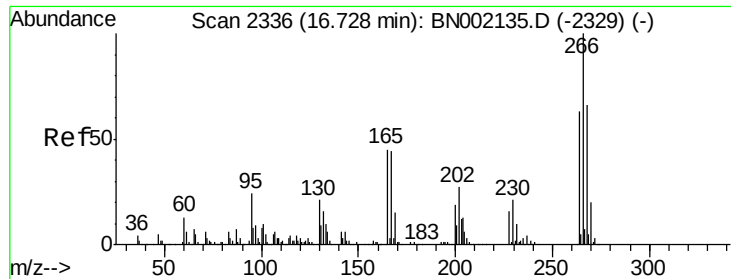
15.46

15.40

15.50

Time-->

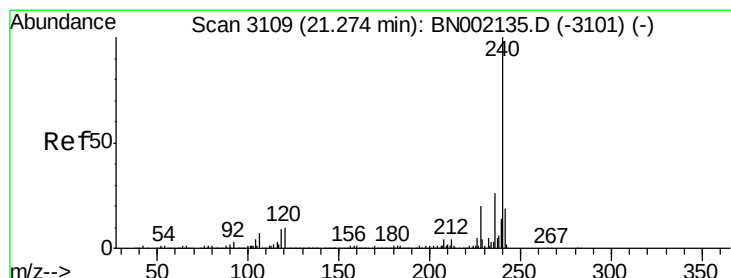
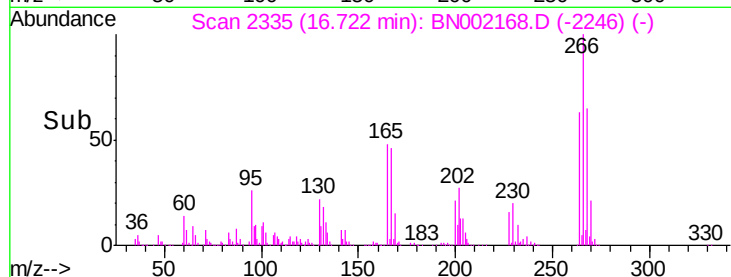
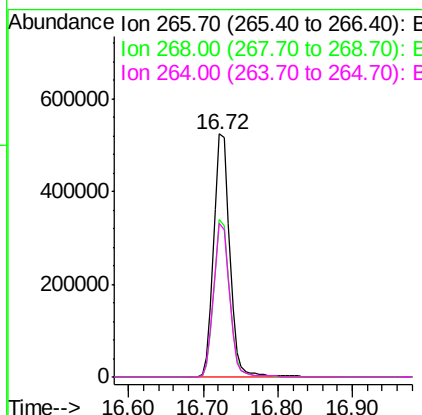
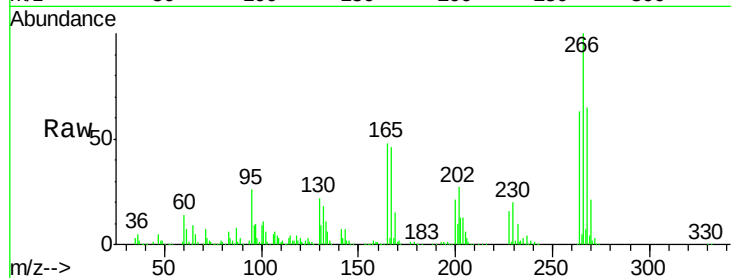




#69
 Pentachlorophenol
 Concen: 115.148 ng
 RT: 16.72 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

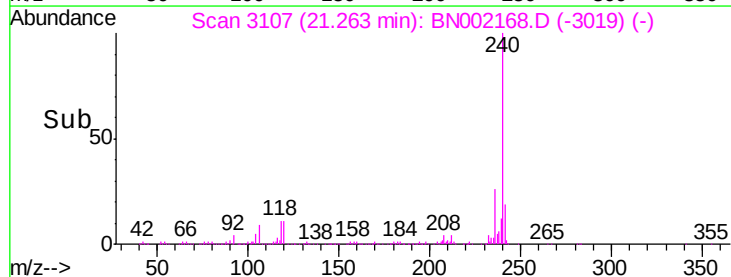
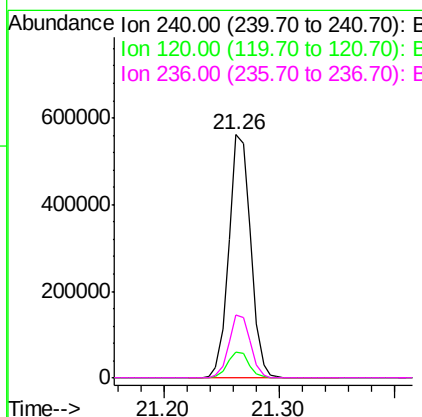
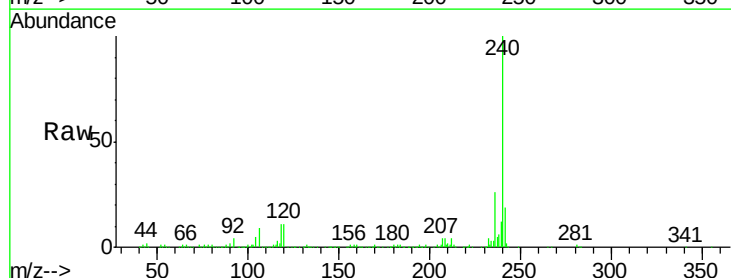
Instrument :
 BNA_N
 ClientSampleId :
 1535

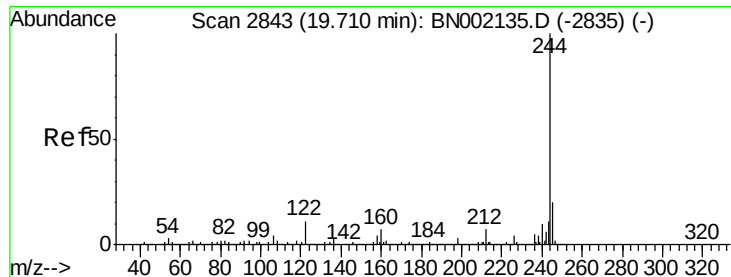
Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.1	76.7
264	63.3	49.6	74.4



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.26 min Scan# 3107
 Delta R.T. -0.01 min
 Lab File: BN002168.D
 Acq: 26 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	6.8	10.2#
236	26.0	20.9	31.3





#78

Terphenyl-d14

Concen: 106.246 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

Instrument :

BNA_N

ClientSampleId :

1535

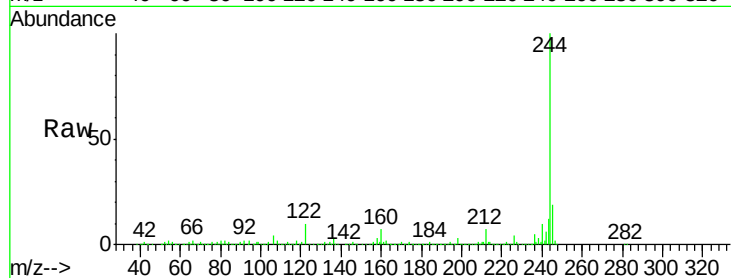
Tgt Ion:244 Resp: 3749517

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

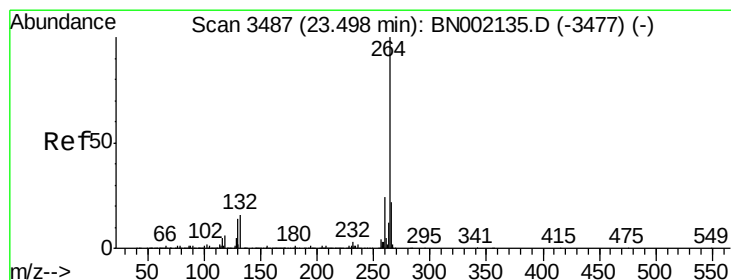
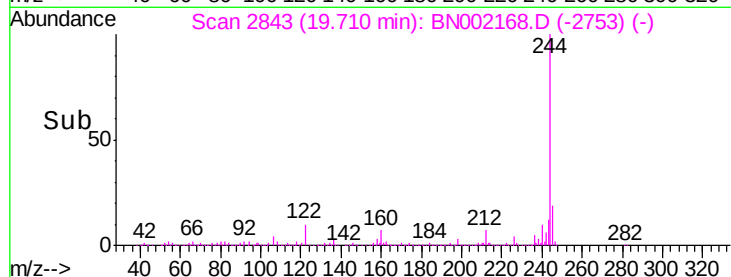
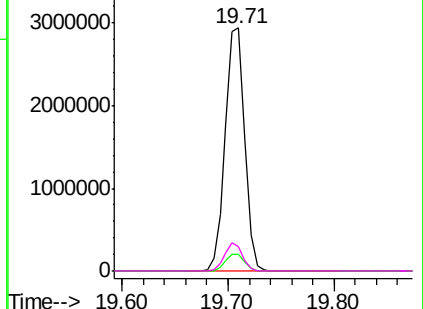
122 10.3 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3486

Delta R.T. -0.01 min

Lab File: BN002168.D

Acq: 26 Jul 2018 10:43

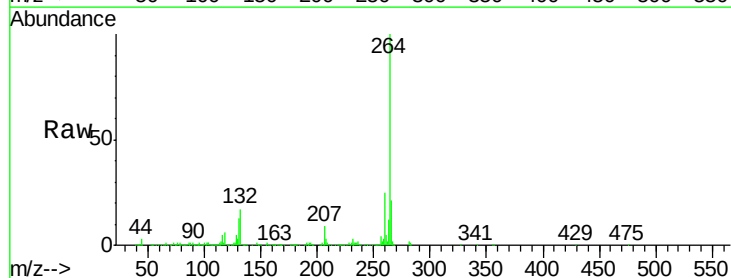
Tgt Ion:264 Resp: 759154

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 20.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

