

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007780.D
 Acq On : 21 Sep 2019 01:54
 Operator : HP/JU
 Sample : K4975-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE105D1-20190918

Quant Time: Sep 21 03:34:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

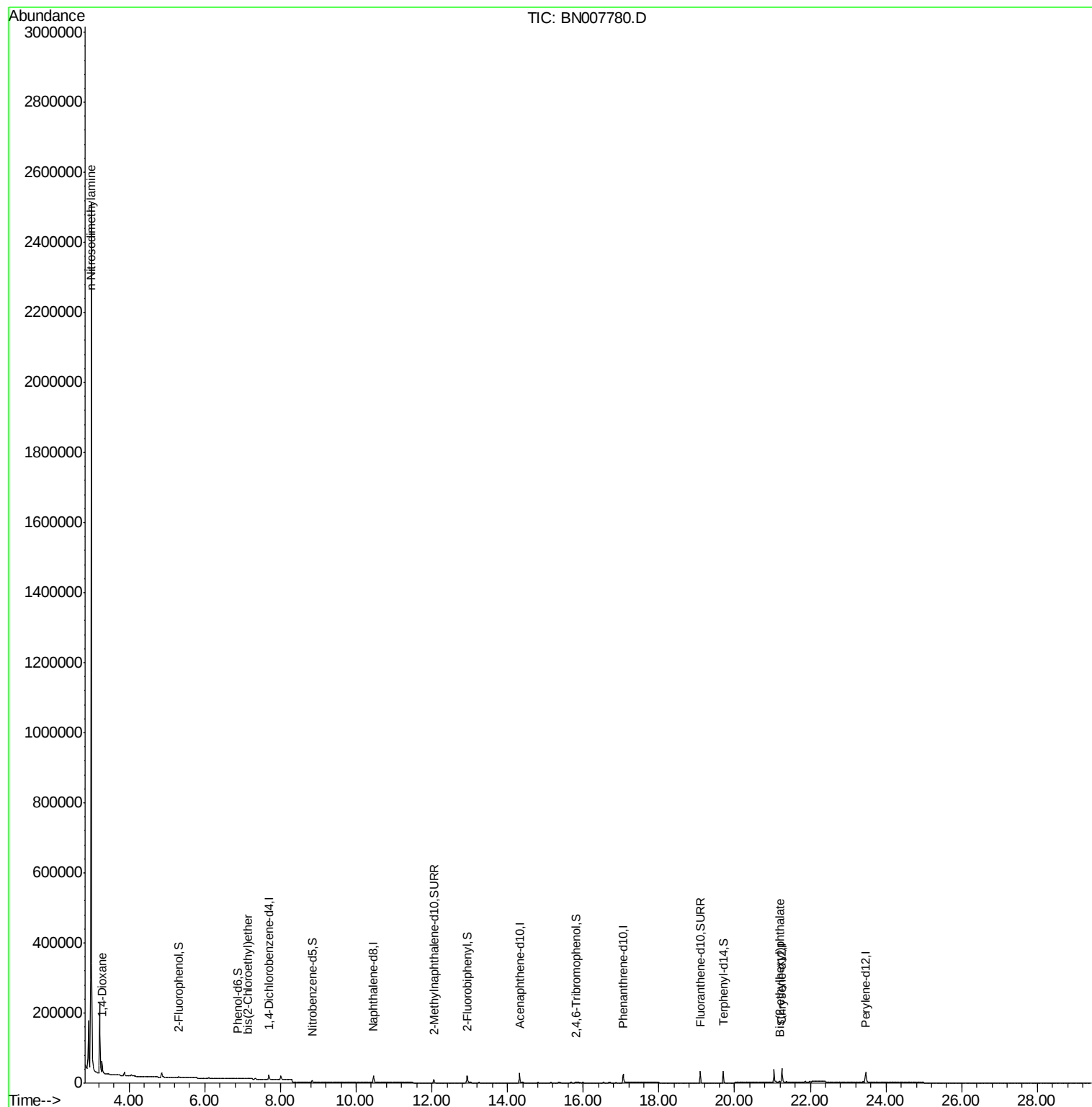
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6561	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	25469	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15507	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	34784	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	36681	0.40	ng	-0.02
34) Perylene-d12	23.46	264	38750	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	2150	0.10	ng	0.00
5) Phenol-d6	6.87	99	1564	0.05	ng	0.00
8) Nitrobenzene-d5	8.83	82	5912	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	14057	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1674	0.20	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	20211	0.32	ng	0.00
25) Fluoranthene-d10	19.09	212	38785	0.33	ng	-0.01
29) Terphenyl-d14	19.70	244	35109	0.39	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	27022	3.695	ng	# 93
3) n-Nitrosodimethylamine	3.00	42	191422	57.150	ng	# 67
6) bis(2-Chloroethyl)ether	7.14	93	644	0.035	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.19	149	2459	0.035	ng	# 89

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

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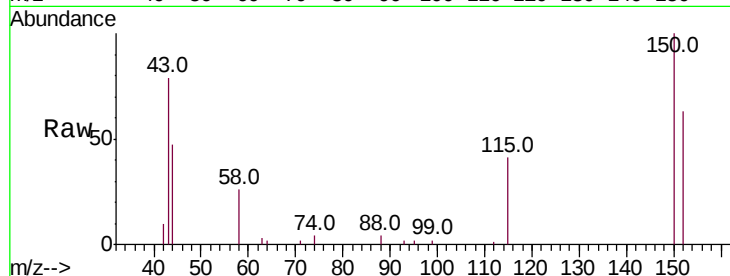


#1

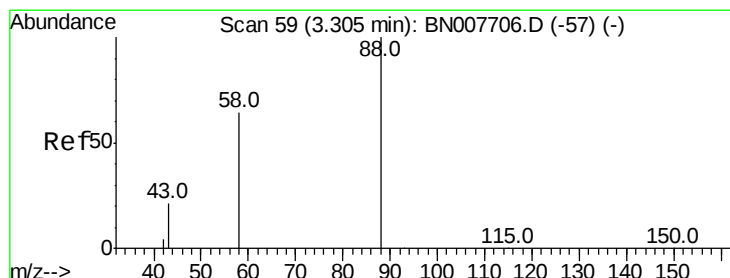
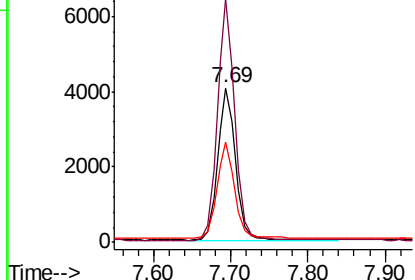
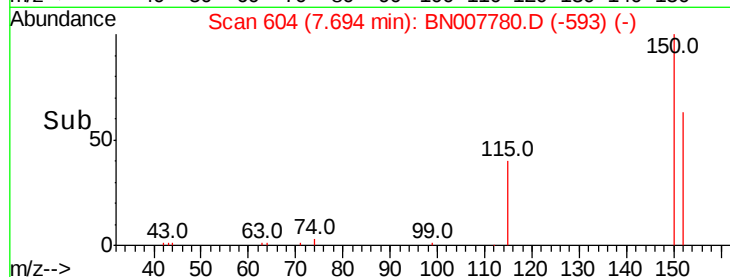
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007780.D
Acq: 21 Sep 2019 01:54

Instrument :
BNA_N
ClientSampleId :
RE105D1-20190918

Tot Ion:152 Resp: 6561
Ion Ratio Lower Upper
152 100
150 157.7 125.6 188.4
115 64.9 53.3 79.9



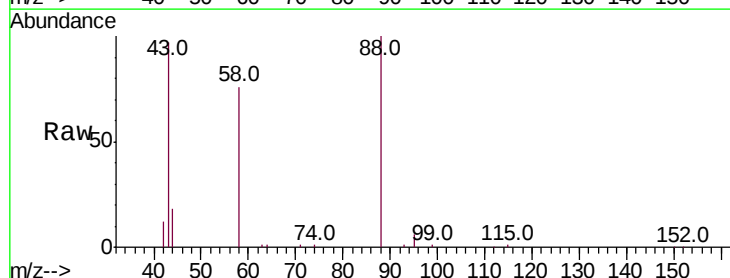
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



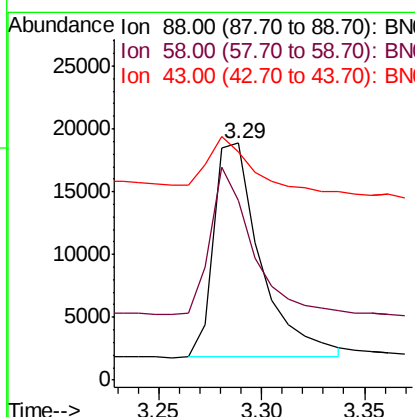
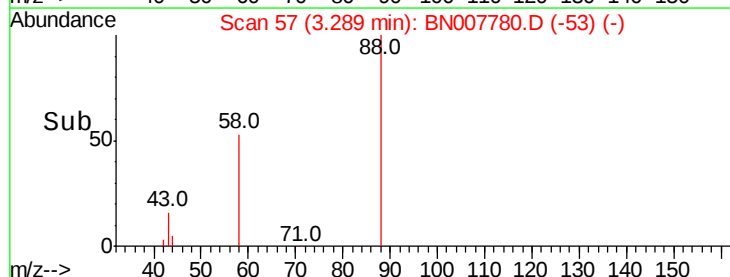
#2

1,4-Dioxane
Concen: 3.695 ng
RT: 3.29 min Scan# 57
Delta R.T. -0.02 min
Lab File: BN007780.D
Acq: 21 Sep 2019 01:54

Tgt Ion: 88 Resp: 27022
Ion Ratio Lower Upper
88 100
58 59.8 44.6 66.8
43 23.2 14.4 21.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 57.150 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

BNA_N

ClientSampleId :

RE105D1-20190918

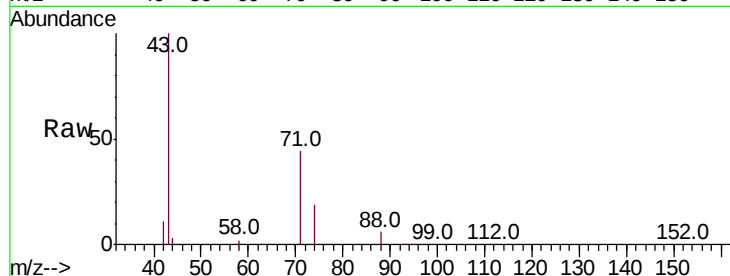
Tot Ion: 42 Resp: 191422

Ion Ratio Lower Upper

42 100

74 150.7 87.9 131.9#

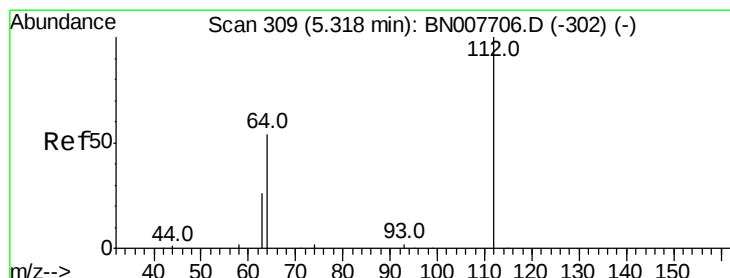
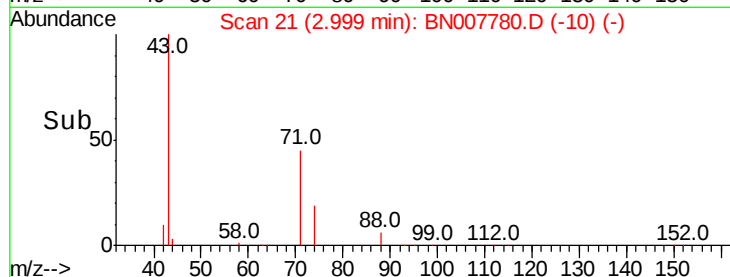
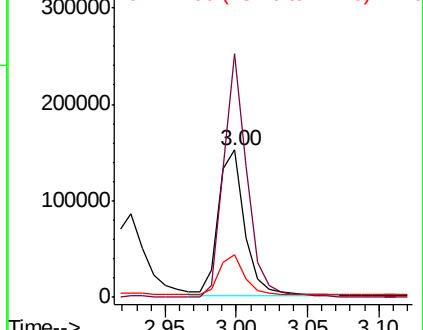
44 26.9 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.095 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

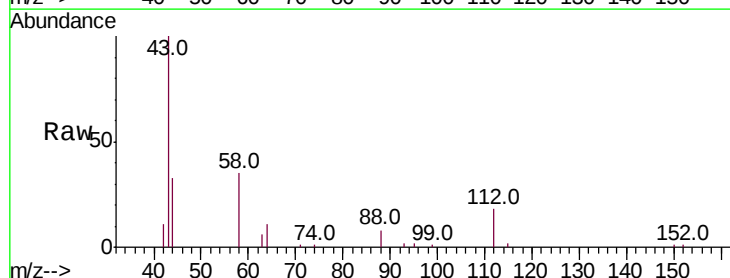
Tgt Ion: 112 Resp: 2150

Ion Ratio Lower Upper

112 100

64 62.2 46.6 70.0

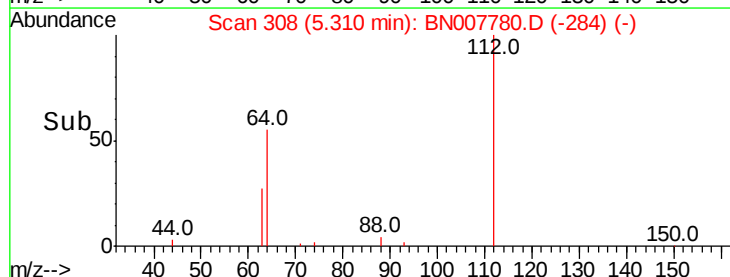
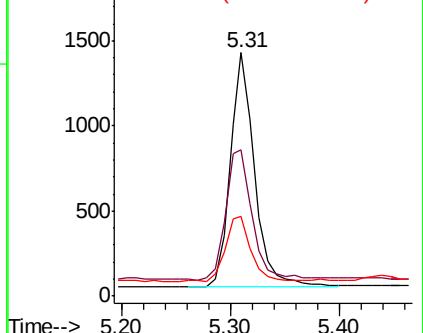
63 30.2 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.050 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

BNA_N

ClientSampleId :

RE105D1-20190918

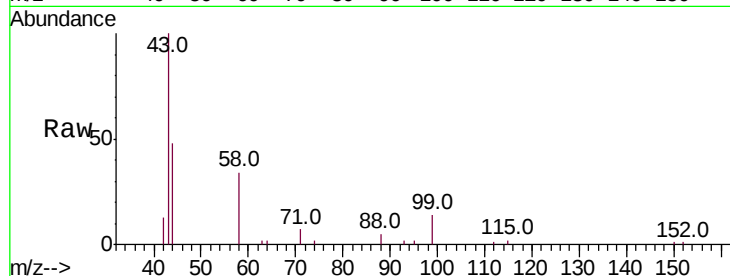
Tot Ion: 99 Resp: 1564

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

71 41.4 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007780.D (-511) (-)

Ion 42.00 (41.70 to 42.70): BN007780.D (-511) (-)

Ion 71.00 (70.70 to 71.70): BN007780.D (-511) (-)

6.87

800

600

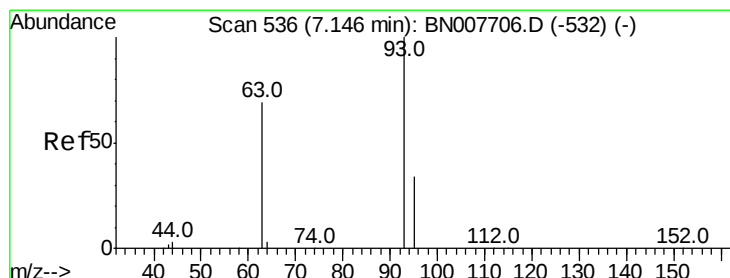
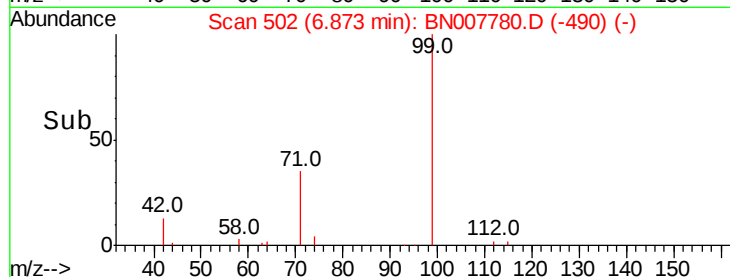
400

200

0

6.80 6.90 7.00

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.035 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

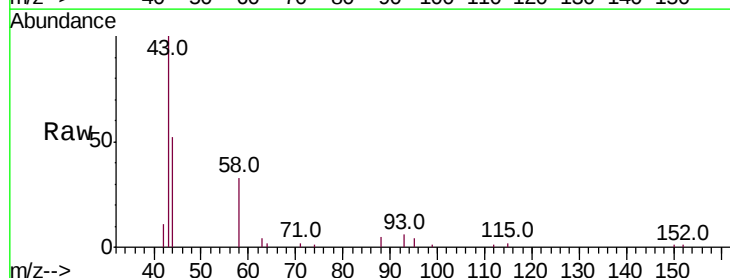
Tgt Ion: 93 Resp: 644

Ion Ratio Lower Upper

93 100

63 60.4 59.3 88.9

95 45.2 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BN007780.D (-511) (-)

Ion 63.00 (62.70 to 63.70): BN007780.D (-511) (-)

Ion 95.00 (94.70 to 95.70): BN007780.D (-511) (-)

7.14

400

300

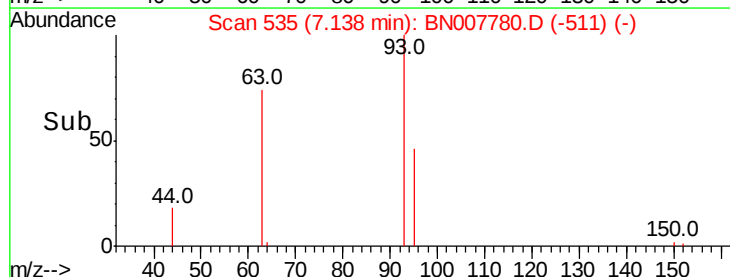
200

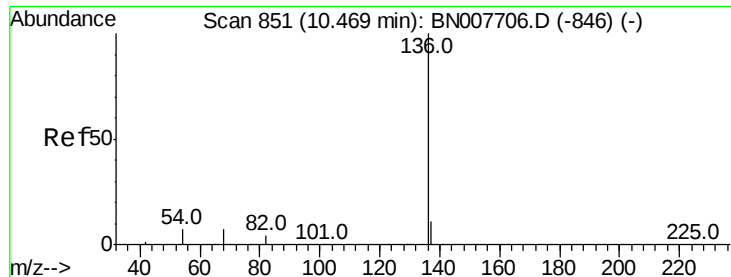
100

0

7.10 7.20 7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

BNA_N

ClientSampleId :

RE105D1-20190918

Tot Ion:136 Resp: 25469

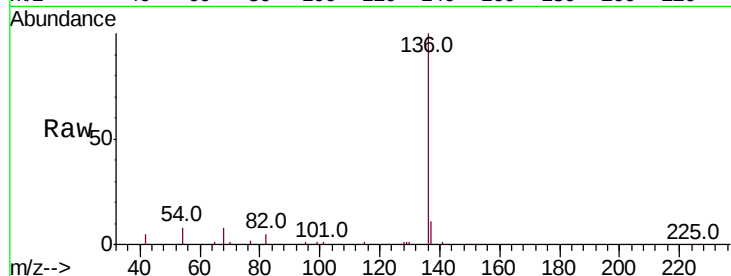
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.1 5.8 8.8

68 8.5 6.5 9.7

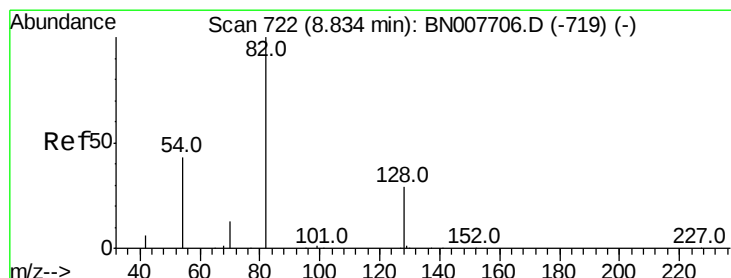
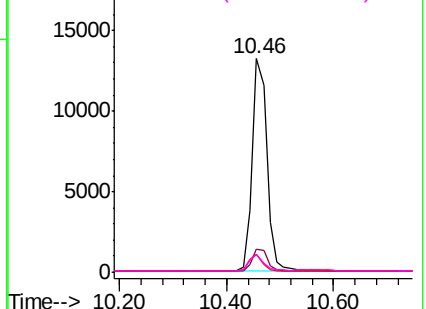
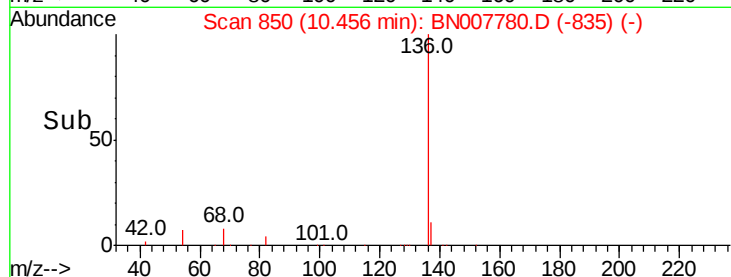


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.265 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

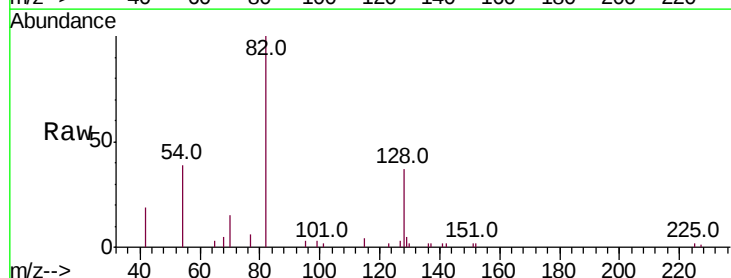
Tgt Ion: 82 Resp: 5912

Ion Ratio Lower Upper

82 100

128 37.3 24.5 36.7#

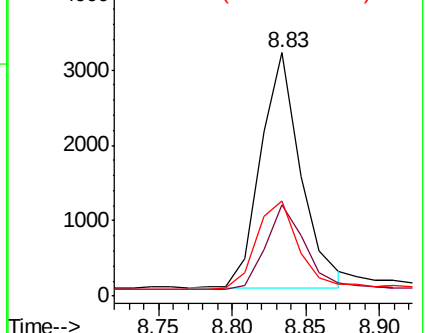
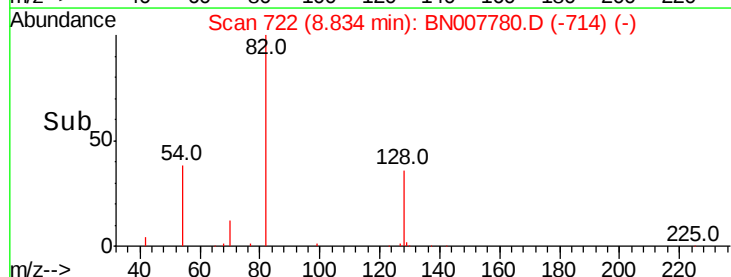
54 39.3 35.2 52.8

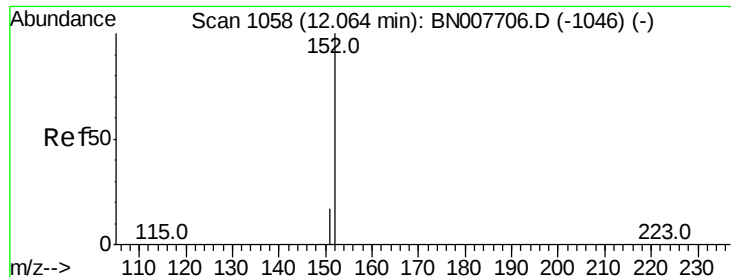


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

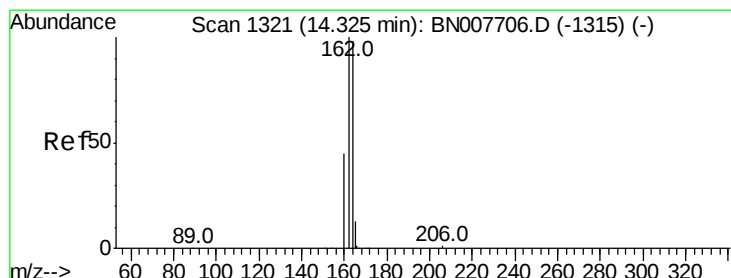
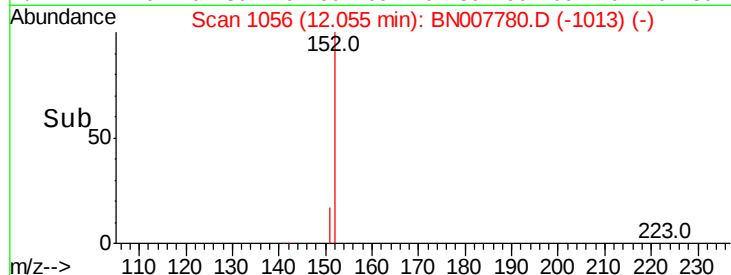
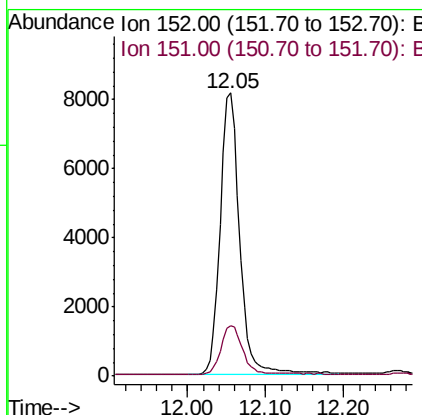
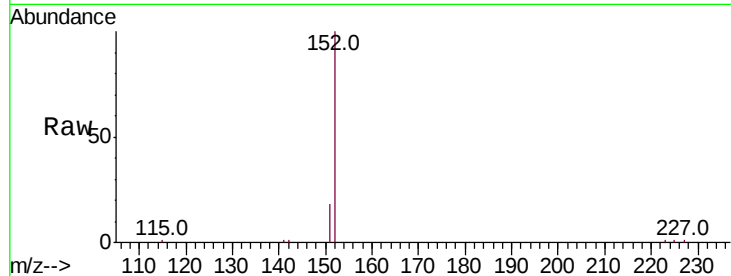




#11
 2-Methylnaphthalene-d10
 Concen: 0.328 ng
 RT: 12.05 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BN007780.D
 Acq: 21 Sep 2019 01:54

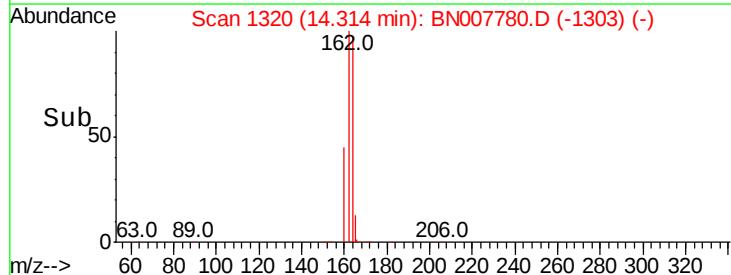
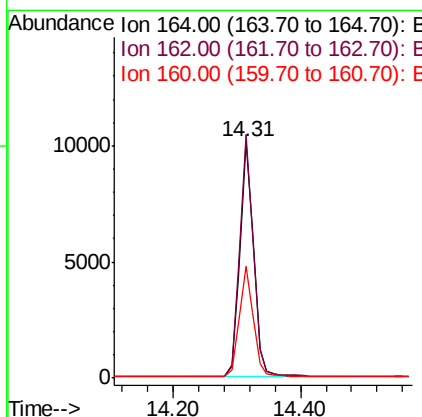
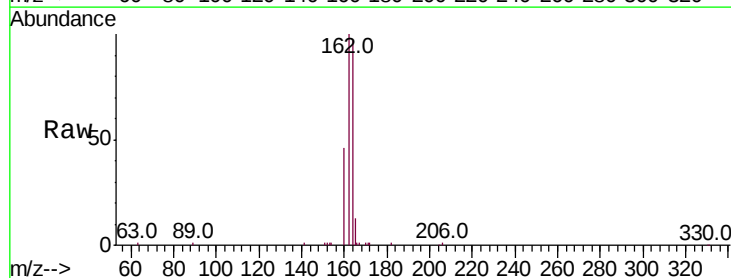
Instrument :
 BNA_N
 ClientSampleId :
 RE105D1-20190918

Tot Ion:152 Resp: 14057
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007780.D
 Acq: 21 Sep 2019 01:54

Tgt Ion:164 Resp: 15507
 Ion Ratio Lower Upper
 164 100
 162 103.1 81.7 122.5
 160 47.2 37.0 55.4

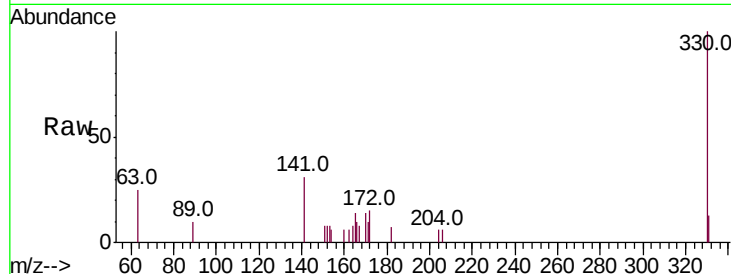




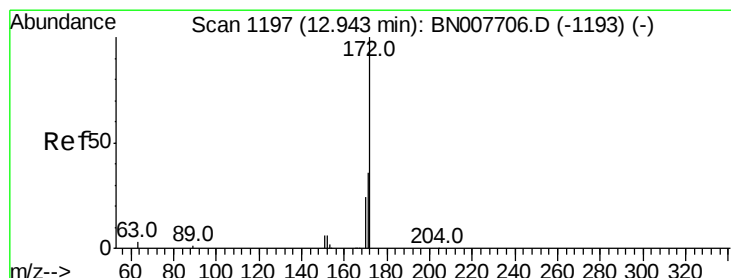
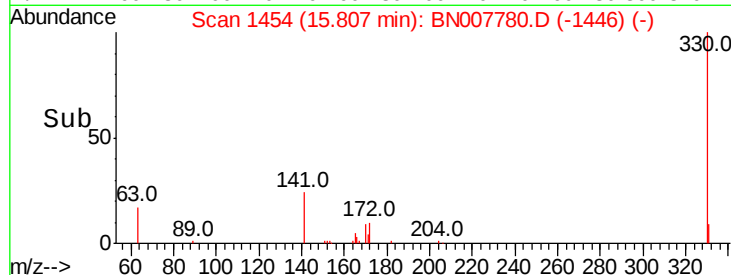
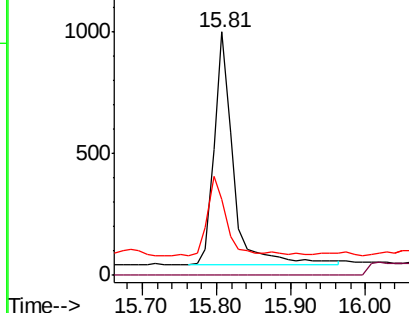
#14
 2,4,6-Tribromophenol
 Concen: 0.198 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007780.D
 Acq: 21 Sep 2019 01:54

Instrument :
 BNA_N
 ClientSampleId :
 RE105D1-20190918

Tot Ion:330 Resp: 1674
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 33.8 28.7 43.1

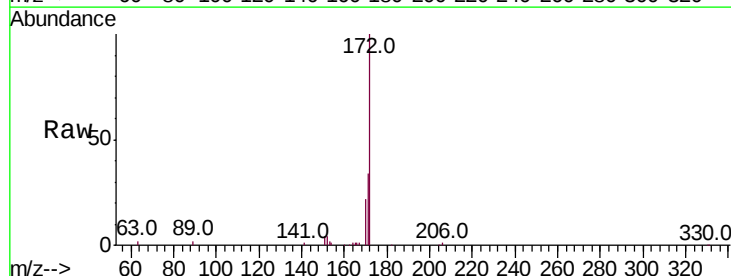


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

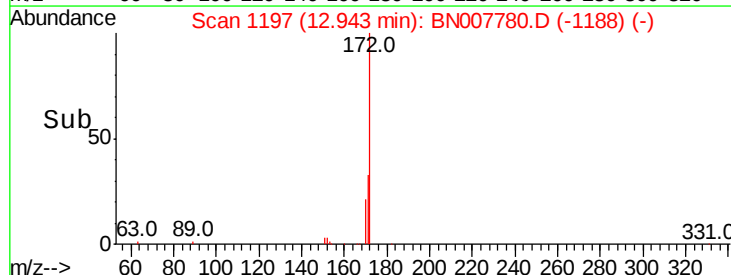
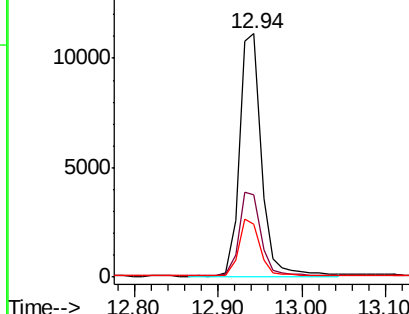


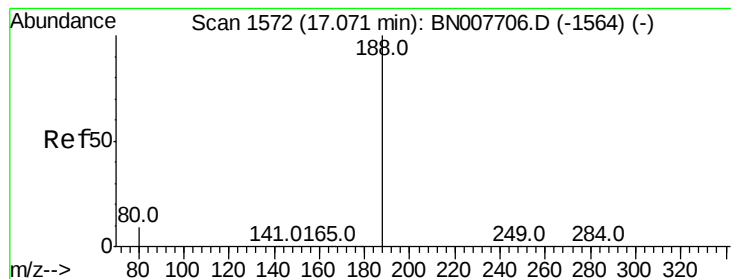
#15
 2-Fluorobiphenyl
 Concen: 0.316 ng
 RT: 12.94 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BN007780.D
 Acq: 21 Sep 2019 01:54

Tgt Ion:172 Resp: 20211
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.8 43.2
 170 21.8 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

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ClientSampleId :

RE105D1-20190918

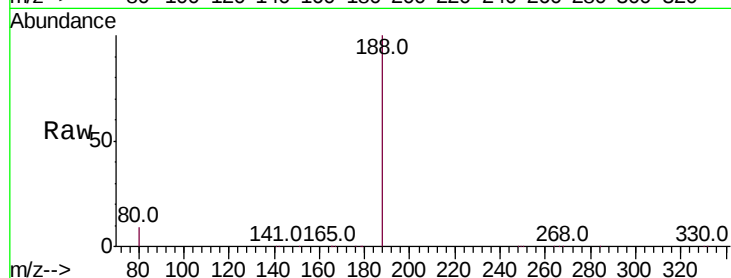
Tot Ion:188 Resp: 34784

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

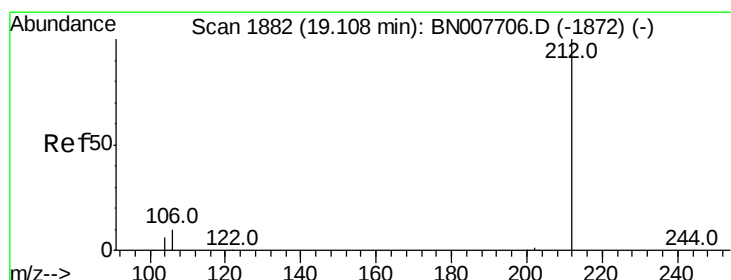
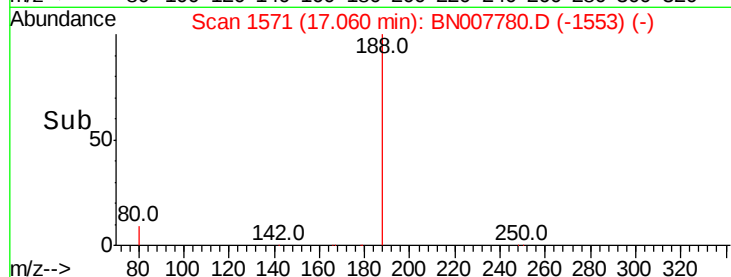
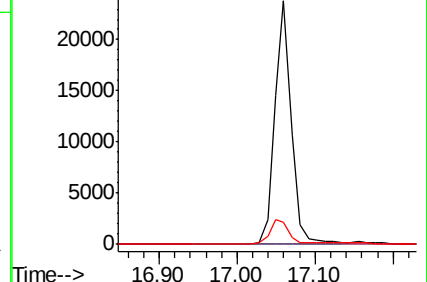
80 9.3 7.4 11.2



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



#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

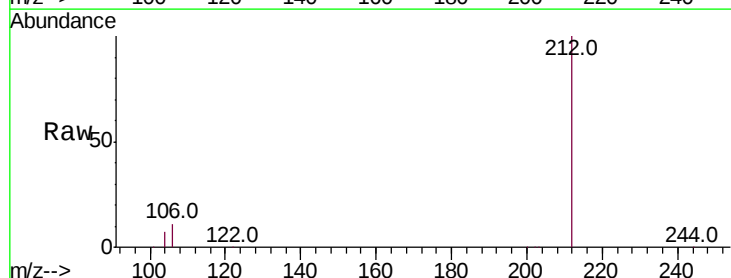
Tgt Ion:212 Resp: 38785

Ion Ratio Lower Upper

212 100

106 11.7 9.4 14.0

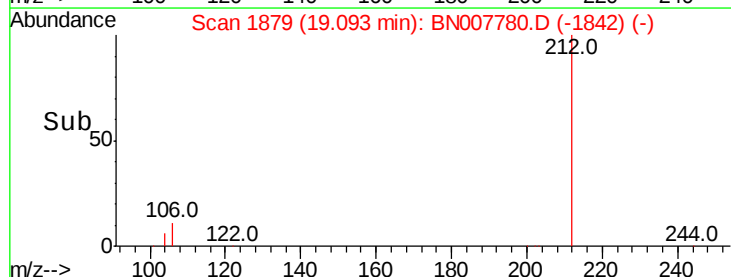
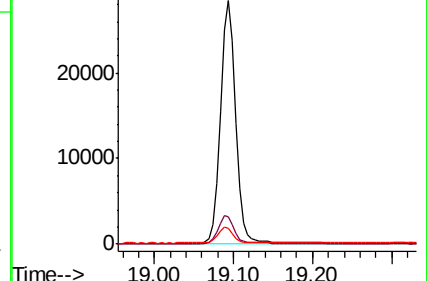
104 6.5 5.3 7.9

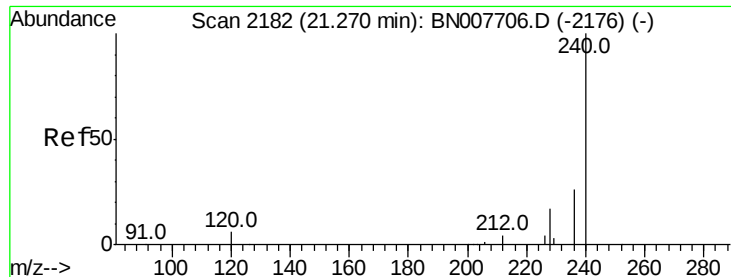


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

BNA_N

ClientSampleId :

RE105D1-20190918

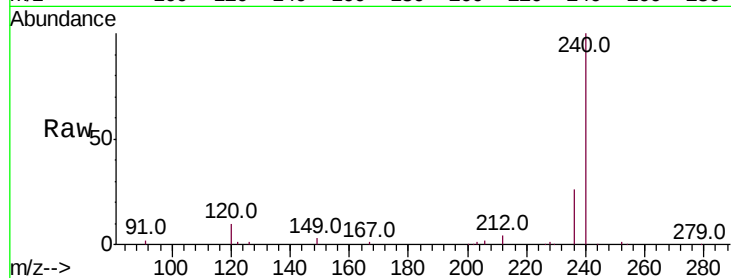
Tot Ion:240 Resp: 36681

Ion Ratio Lower Upper

240 100

120 10.0 5.4 8.2#

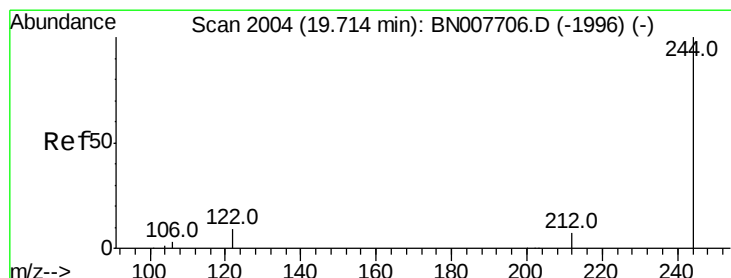
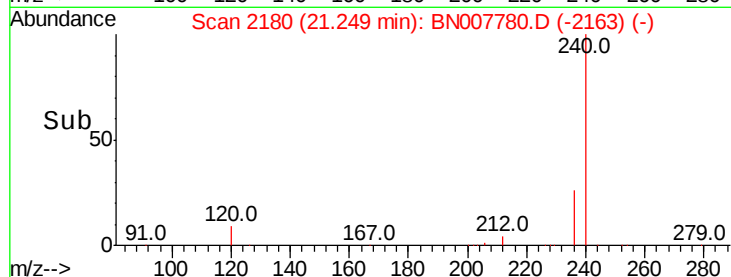
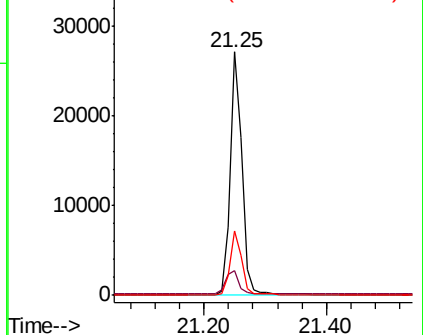
236 26.5 21.0 31.4



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



#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

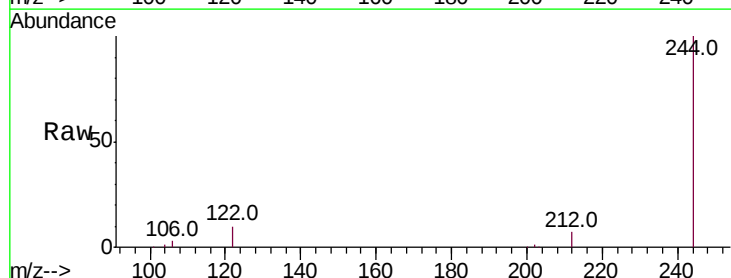
Tgt Ion:244 Resp: 35109

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

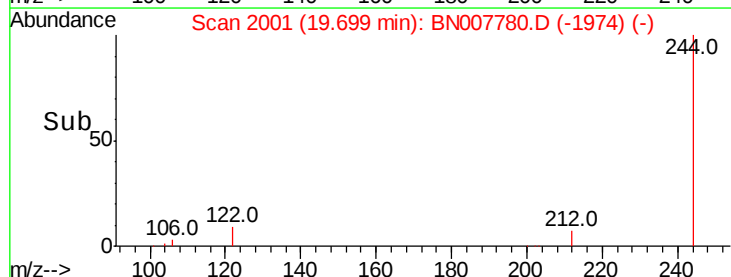
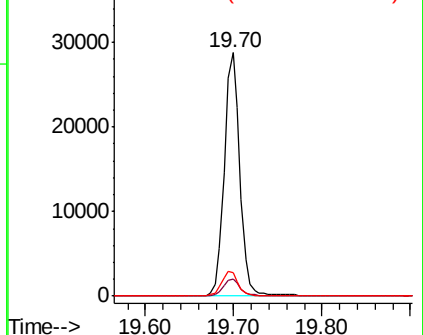
122 9.6 7.4 11.2

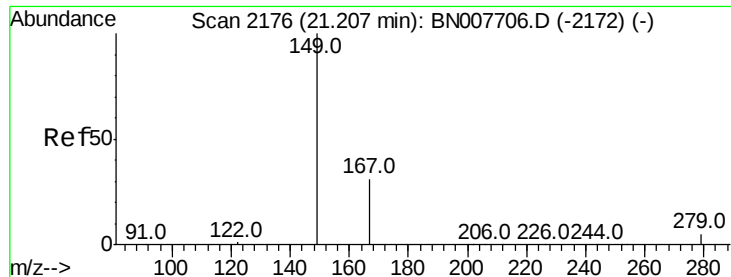


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.035 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

Instrument :

BNA_N

ClientSampleId :

RE105D1-20190918

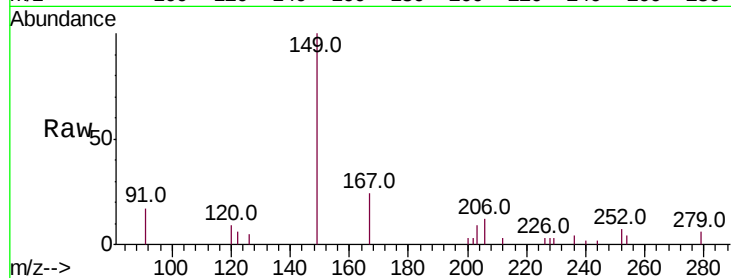
Tot Ion:149 Resp: 2459

Ion Ratio Lower Upper

149 100

167 22.4 23.7 35.5#

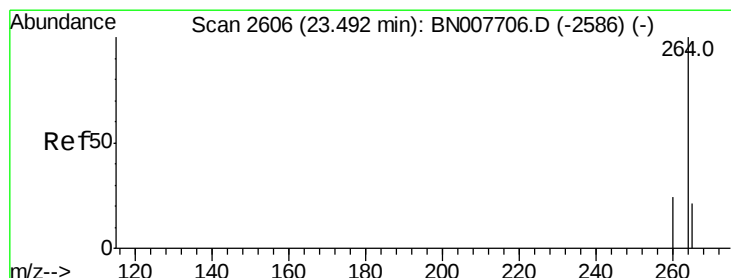
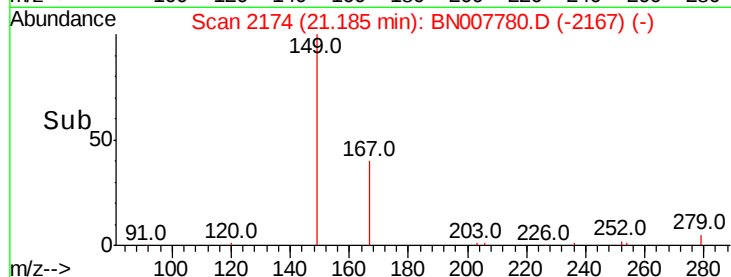
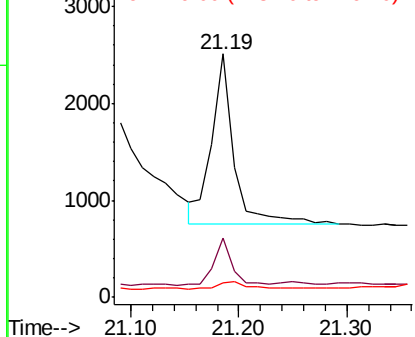
279 5.0 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.46 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BN007780.D

Acq: 21 Sep 2019 01:54

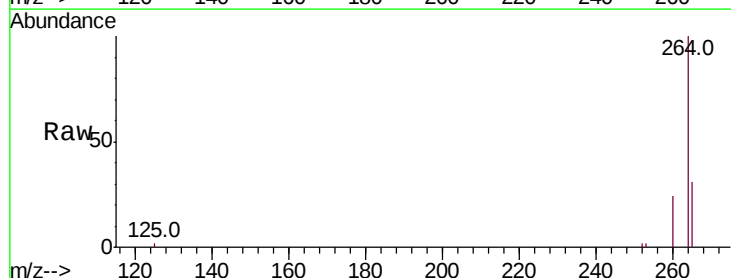
Tgt Ion:264 Resp: 38750

Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 31.4 26.9 40.3



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

