

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
 Data File : BN007750.D
 Acq On : 19 Sep 2019 20:34
 Operator : HP/JU
 Sample : K4858-17 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE131D2-20190910DL

Quant Time: Sep 20 01:49:58 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

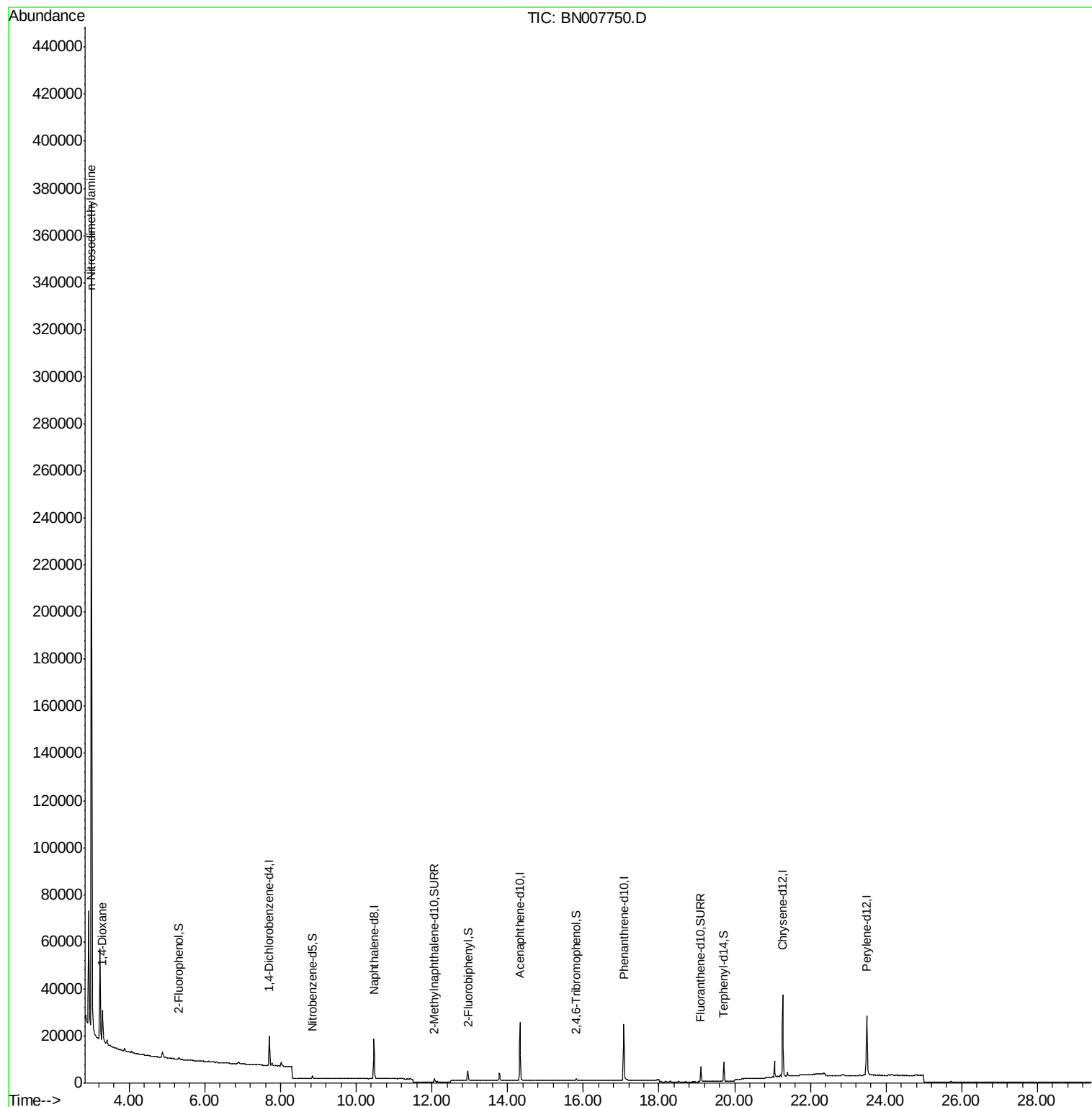
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	6124	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	23065	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	13971	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	32956	0.40	ng	0.00
27) Chrysene-d12	21.27	240	33361	0.40	ng	0.00
34) Perylene-d12	23.49	264	34074	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	526	0.02	ng	0.00
5) Phenol-d6	6.88	99	478	0.01	ng	0.00
8) Nitrobenzene-d5	8.85	82	1114	0.06	ng	0.01
11) 2-Methylnaphthalene-d10	12.06	152	2636	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	530	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	4548	0.08	ng	0.01
25) Fluoranthene-d10	19.11	212	7724	0.07	ng	0.00
29) Terphenyl-d14	19.71	244	8605	0.11	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.30	88	10636	1.558	ng	# 91
3) n-Nitrosodimethylamine	3.01	42	28412	9.088	ng	# 74

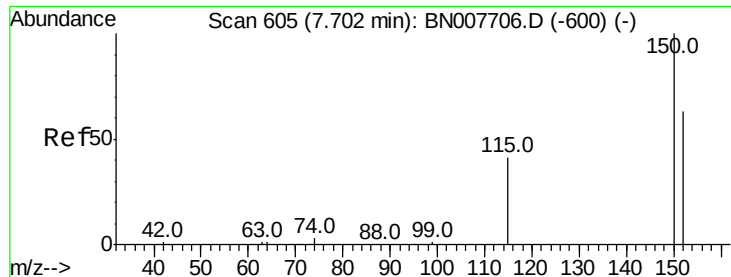
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 605

Delta R.T. -0.00 min

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Acq: 19 Sep 2019 20:34

Instrument :

BNA_N

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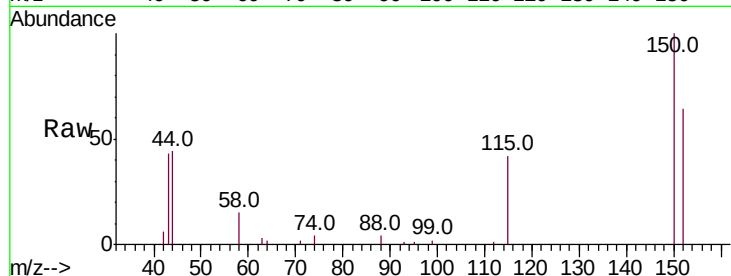
Tot Ion:152 Resp: 6124

Ion Ratio Lower Upper

152 100

150 155.6 125.6 188.4

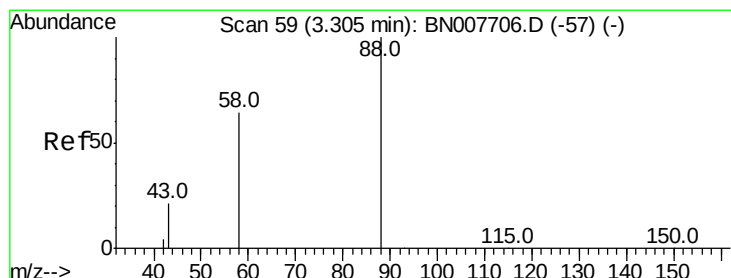
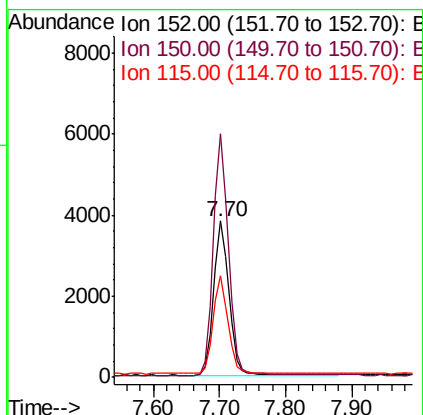
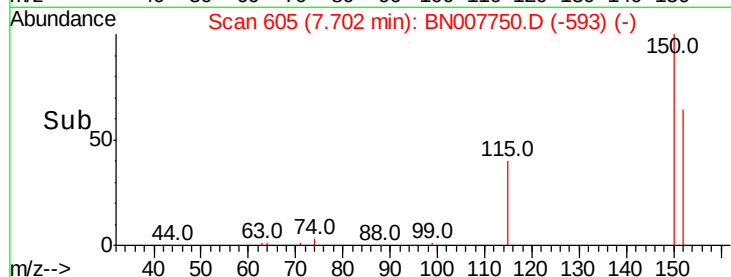
115 64.7 53.3 79.9



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: 1.558 ng

RT: 3.30 min Scan# 58

Delta R.T. -0.01 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

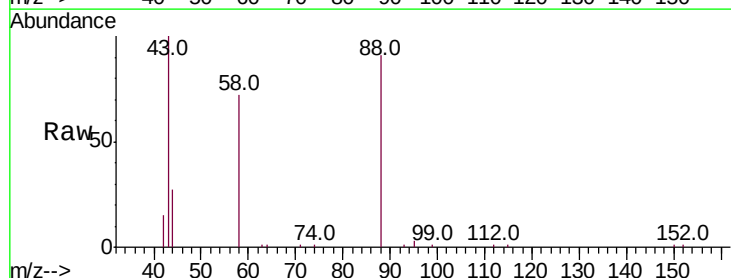
Tgt Ion: 88 Resp: 10636

Ion Ratio Lower Upper

88 100

58 60.5 44.6 66.8

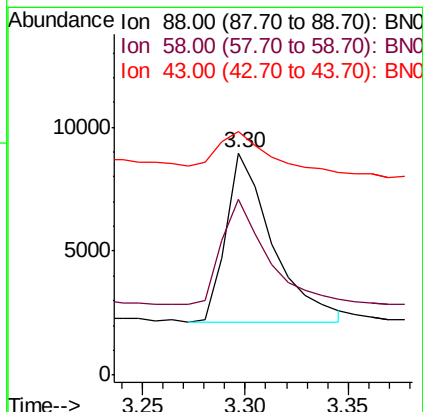
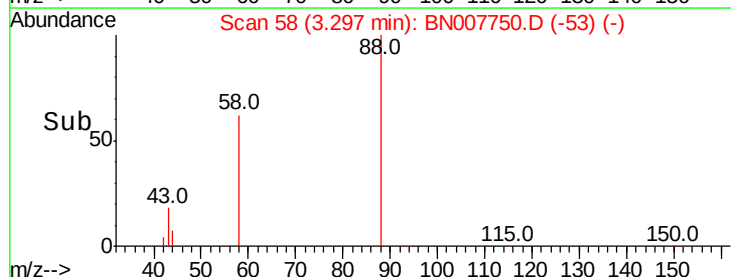
43 25.7 14.4 21.6#

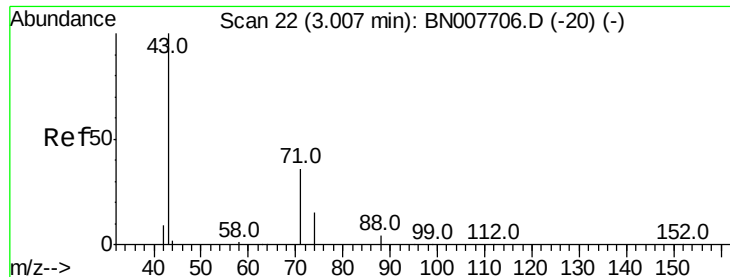


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 9.088 ng

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

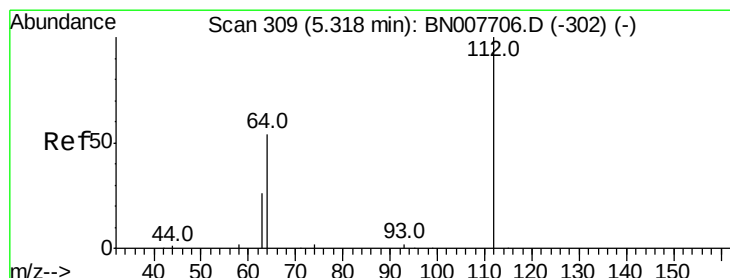
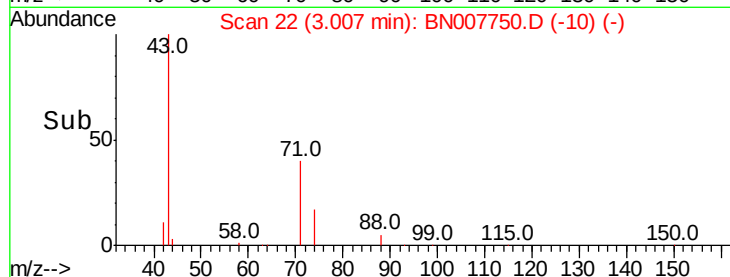
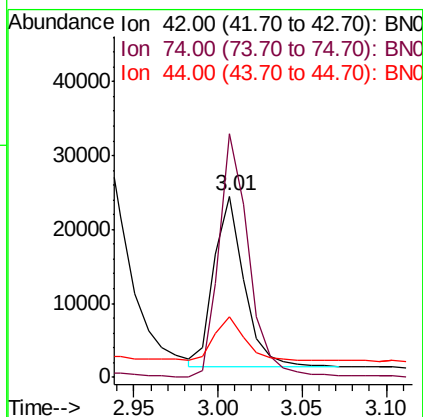
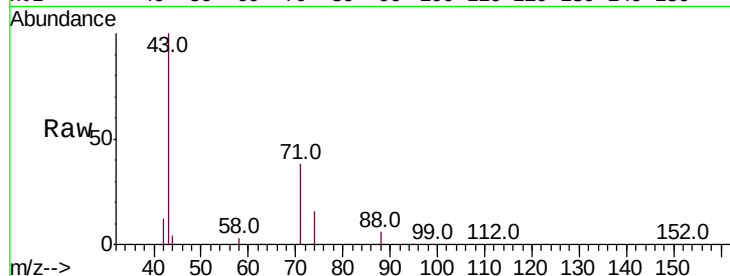
Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Instrument :
BNA_N
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RE131D2-20190910DL

Tot Ion: 42 Resp: 28412

Ion	Ratio	Lower	Upper
42	100		
74	140.3	87.9	131.9#
44	26.2	29.4	44.0#



#4

2-Fluorophenol

Concen: 0.025 ng

RT: 5.32 min Scan# 309

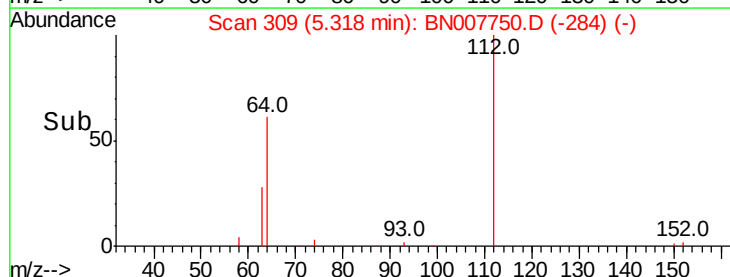
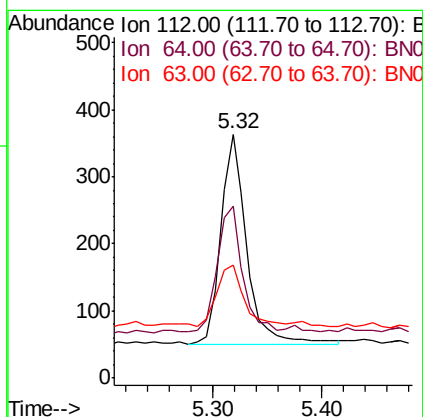
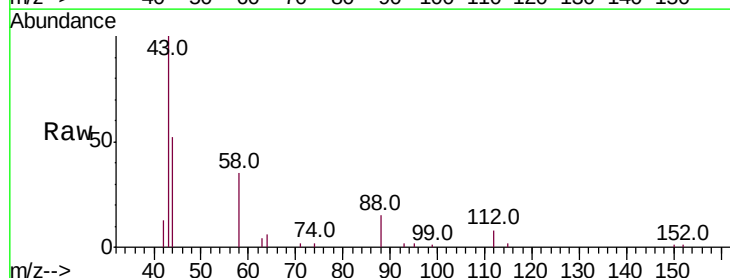
Delta R.T. -0.00 min

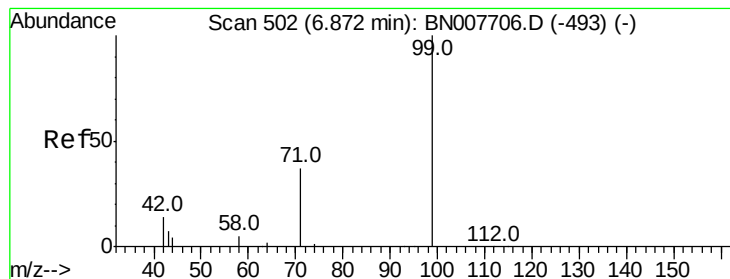
Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Tgt Ion: 112 Resp: 526

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.6	70.0
63	31.2	23.1	34.7





#5

Phenol-d6

Concen: 0.012 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Instrument :

BNA_N

ClientSampleId :

RE131D2-20190910DL

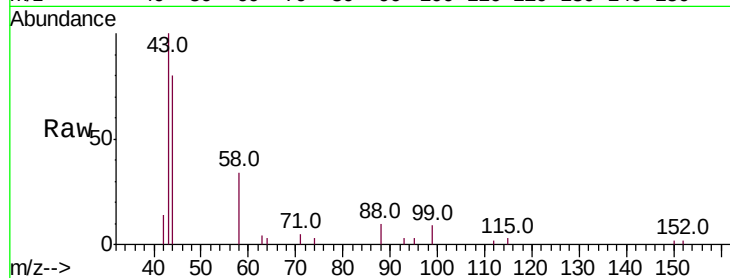
Tot Ion: 99 Resp: 478

Ion Ratio Lower Upper

99 100

42 13.2 12.8 19.2

71 42.1 27.6 41.4#



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)

600

500

400

300

200

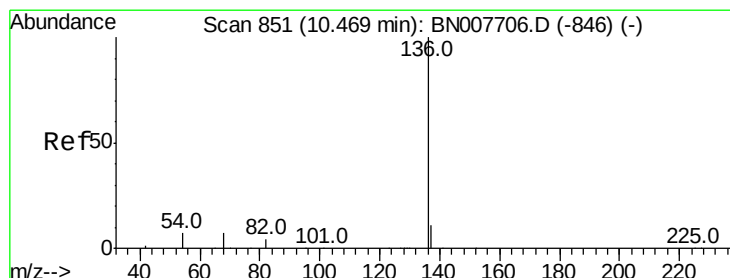
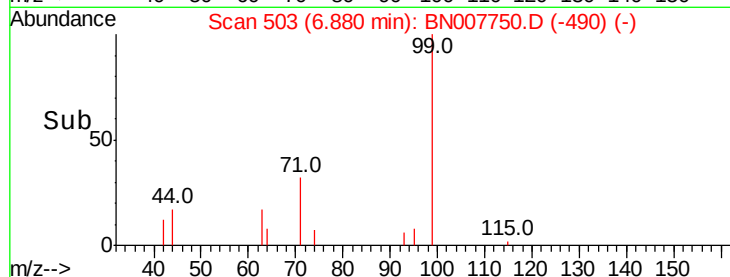
100

0

6.88

6.80 6.90 7.00

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Tgt Ion: 136 Resp: 23065

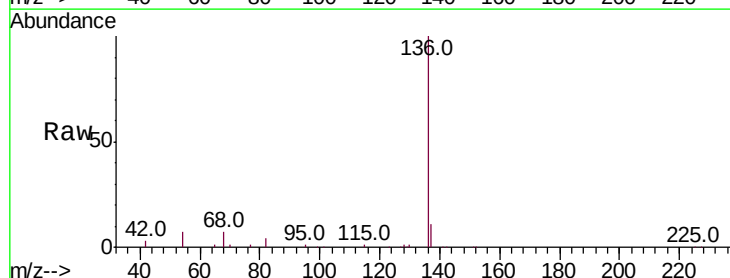
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.6 5.8 8.8

68 7.2 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)

20000

15000

10000

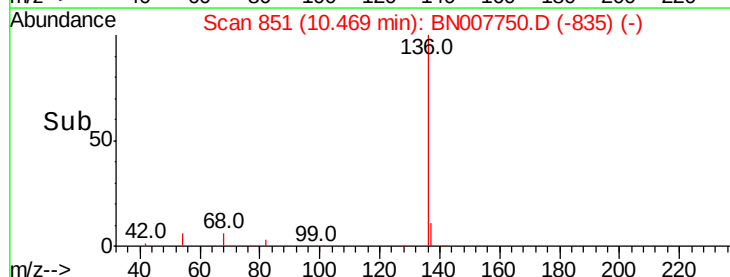
5000

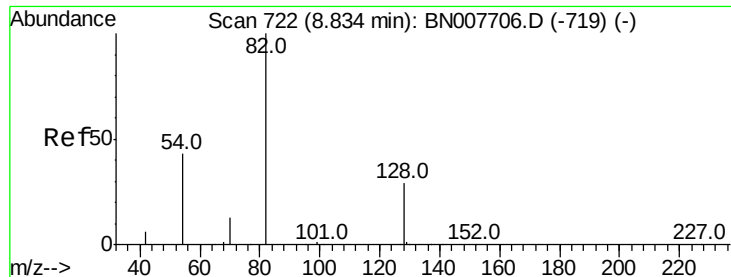
0

10.47

10.30 10.40 10.50 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.055 ng

RT: 8.85 min Scan# 723

Delta R.T. 0.01 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Instrument :

BNA_N

ClientSampleId :

RE131D2-20190910DL

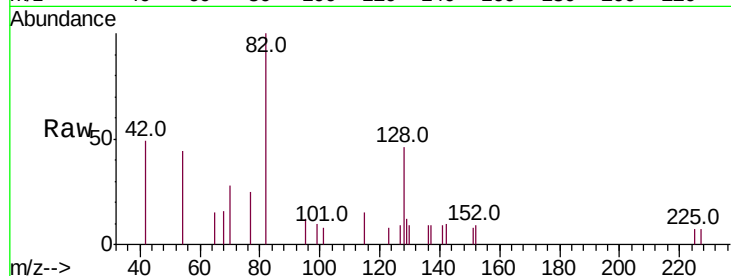
Tot Ion: 82 Resp: 1114

Ion Ratio Lower Upper

82 100

128 45.6 24.5 36.7#

54 44.0 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)

8.85

600

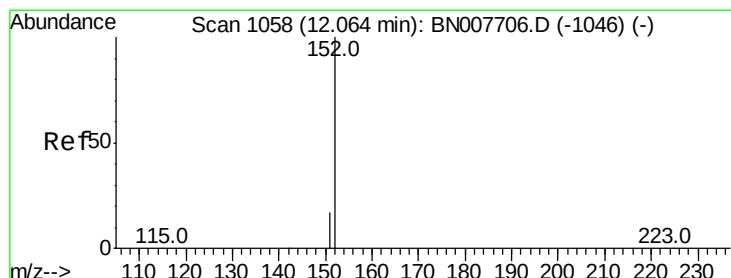
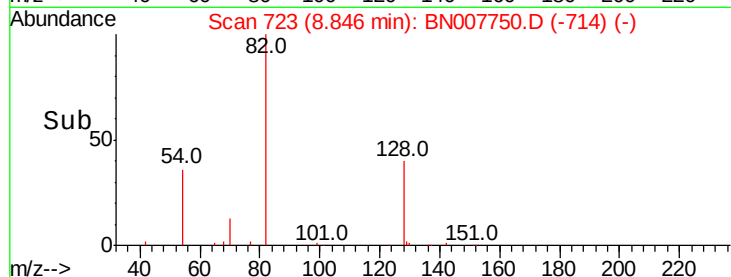
400

200

0

8.75 8.80 8.85 8.90

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.068 ng

RT: 12.06 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BN007750.D

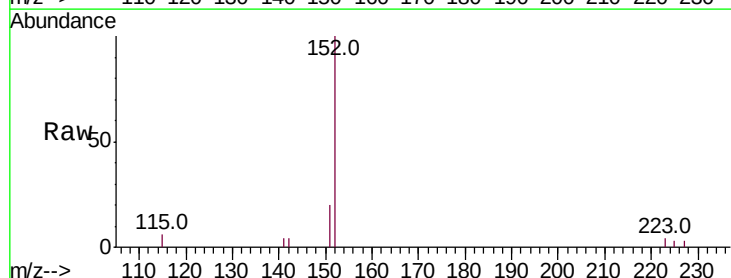
Acq: 19 Sep 2019 20:34

Tgt Ion:152 Resp: 2636

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)

12.06

1500

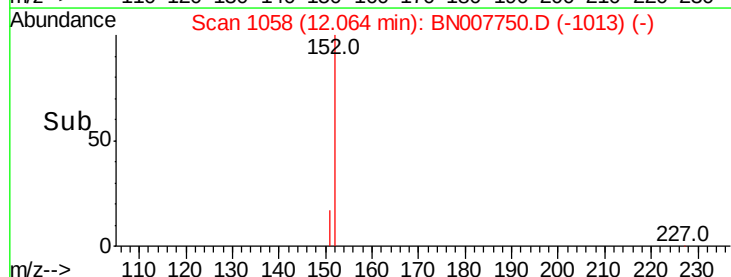
1000

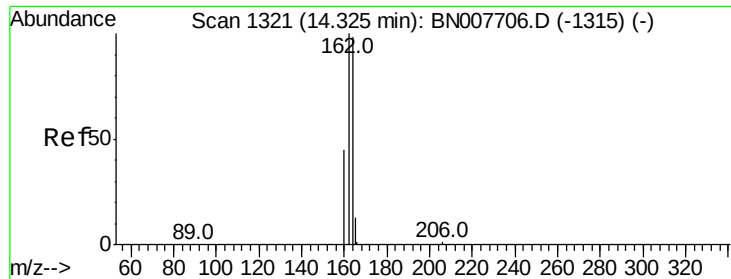
500

0

12.00 12.10 12.20

Time-->

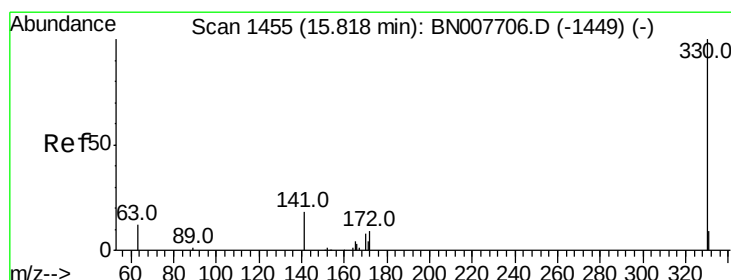
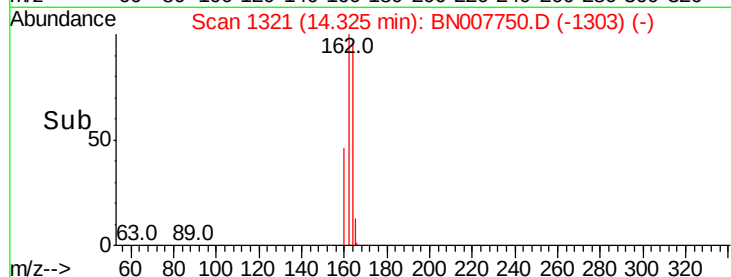
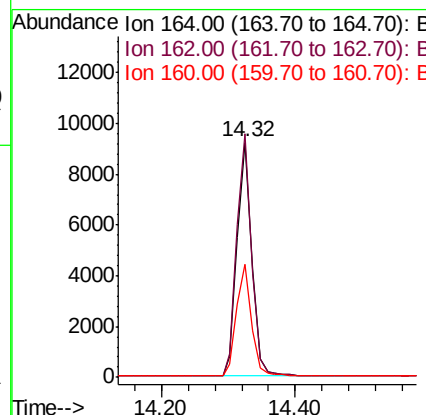
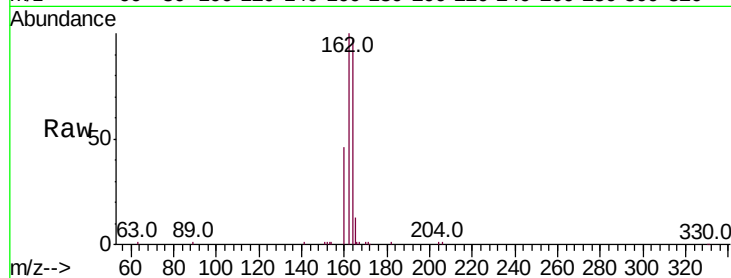




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BN007750.D
Acq: 19 Sep 2019 20:34

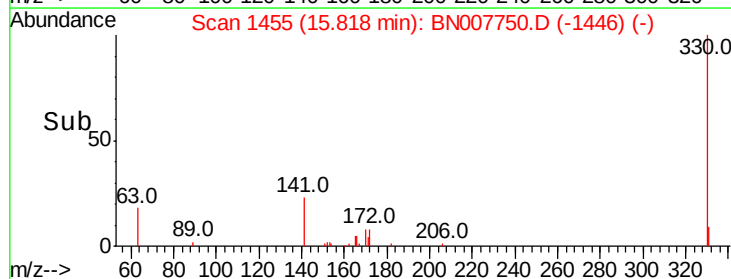
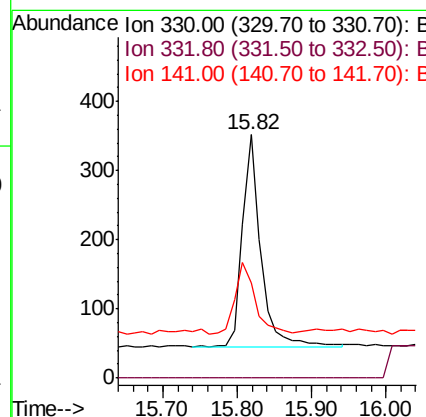
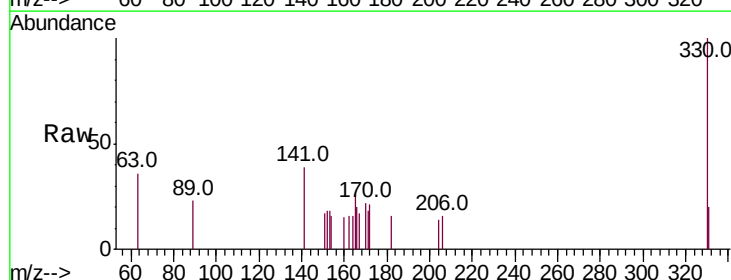
Instrument :
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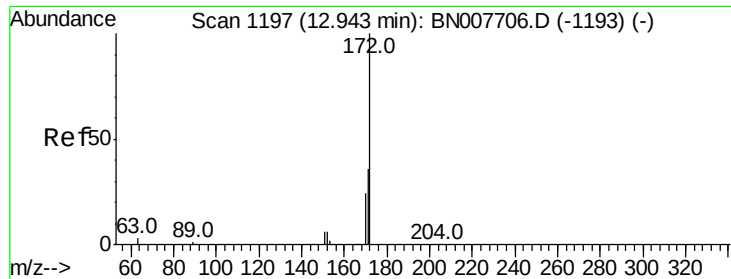
Tot Ion:164 Resp: 13971
Ion Ratio Lower Upper
164 100
162 103.6 81.7 122.5
160 48.0 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.070 ng
RT: 15.82 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007750.D
Acq: 19 Sep 2019 20:34

Tgt Ion:330 Resp: 530
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.4 28.7 43.1

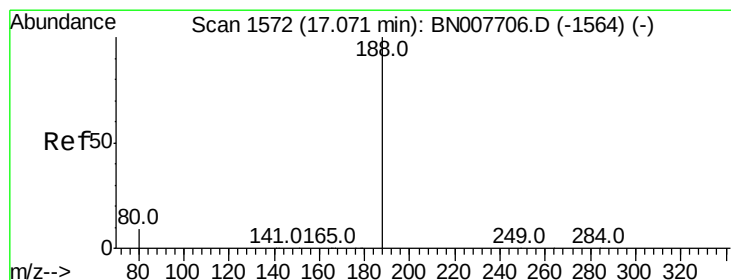
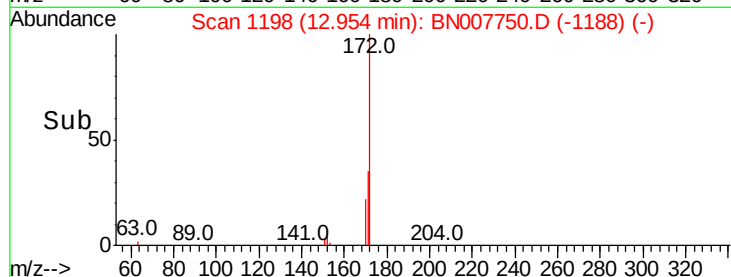
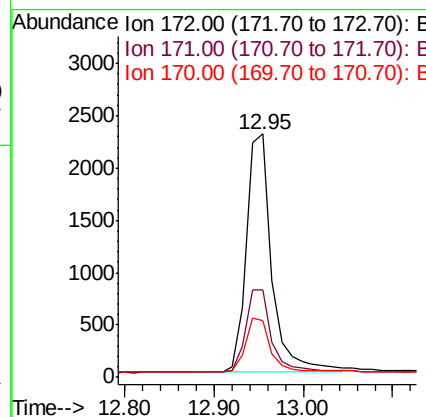
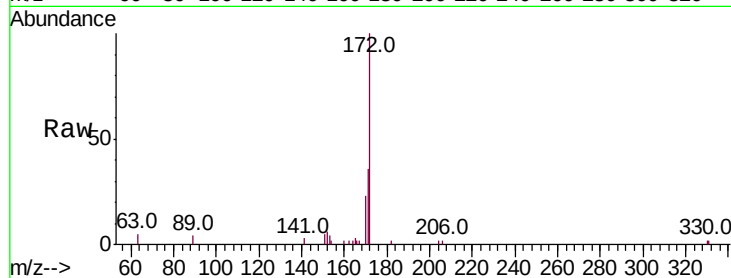




#15
2-Fluorobiphenyl
Concen: 0.079 ng
RT: 12.95 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BN007750.D
Acq: 19 Sep 2019 20:34

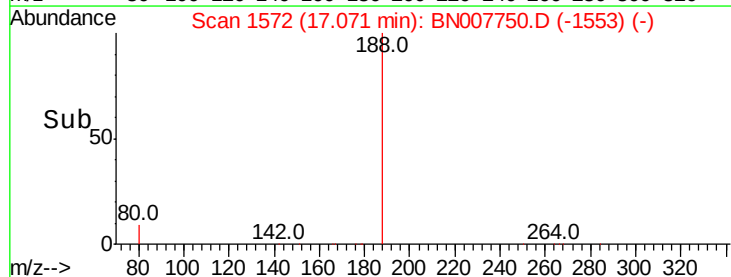
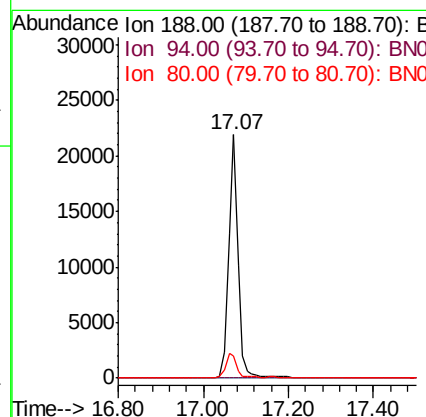
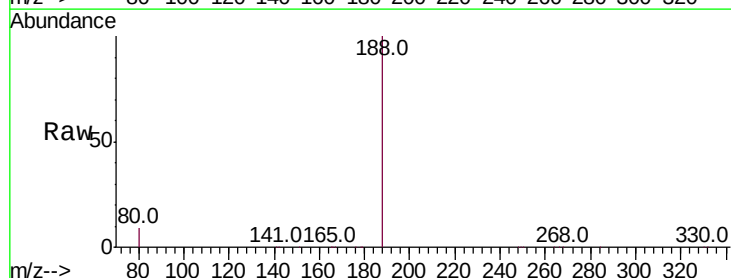
Instrument :
BNA_N
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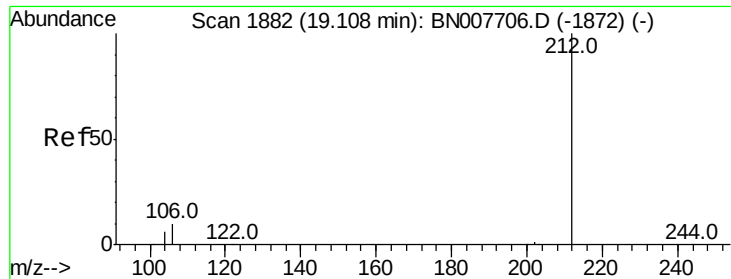
Tot Ion:172 Resp: 4548
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.3 19.5 29.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BN007750.D
Acq: 19 Sep 2019 20:34

Tgt Ion:188 Resp: 32956
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.4 11.2





#25

Fluoranthene-d10

Concen: 0.070 ng

RT: 19.11 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Instrument :

BNA_N

ClientSampleId :

RE131D2-20190910DL

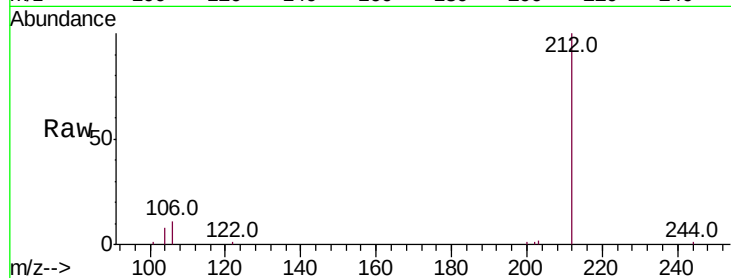
Tot Ion:212 Resp: 7724

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

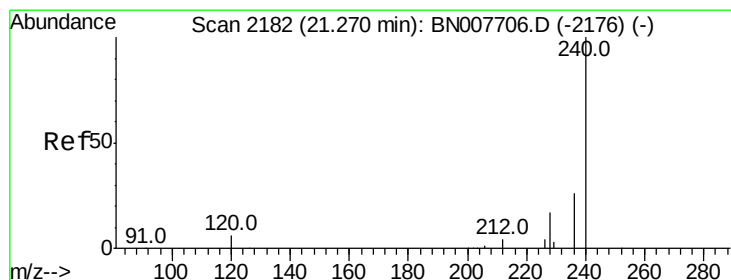
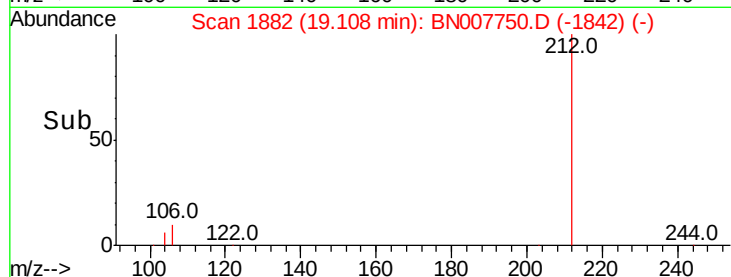
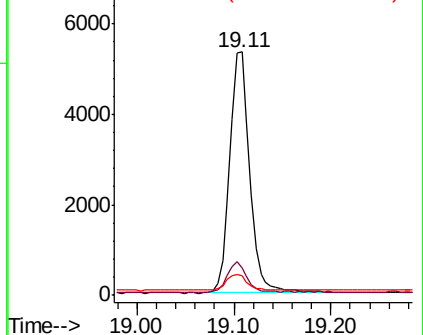
104 7.1 5.3 7.9



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: 21.27 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

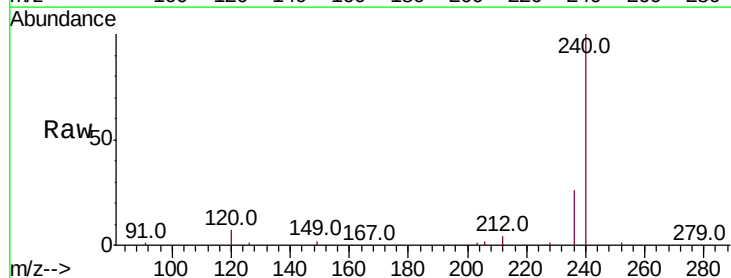
Tgt Ion:240 Resp: 33361

Ion Ratio Lower Upper

240 100

120 7.0 5.4 8.2

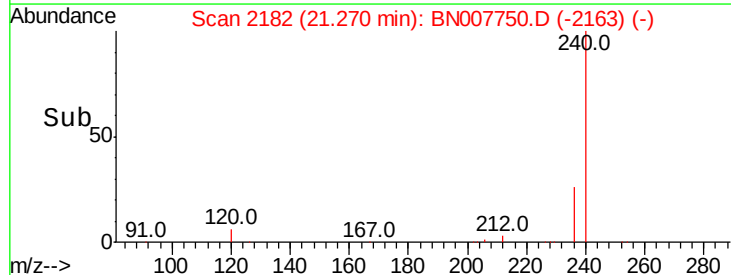
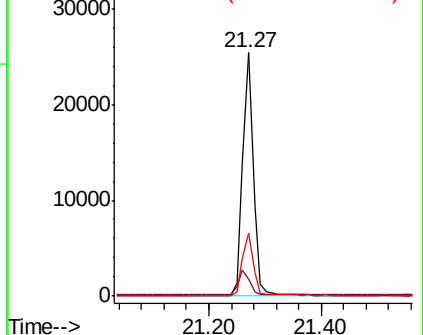
236 26.1 21.0 31.4

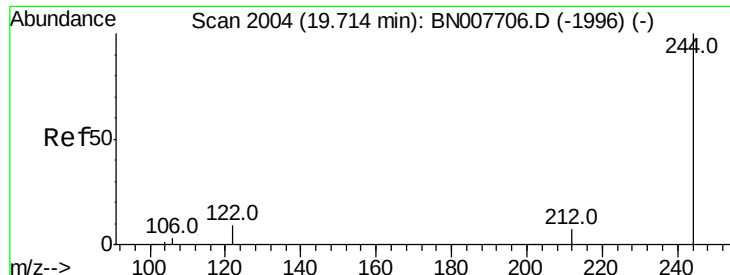


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.105 ng

RT: 19.71 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

Instrument :

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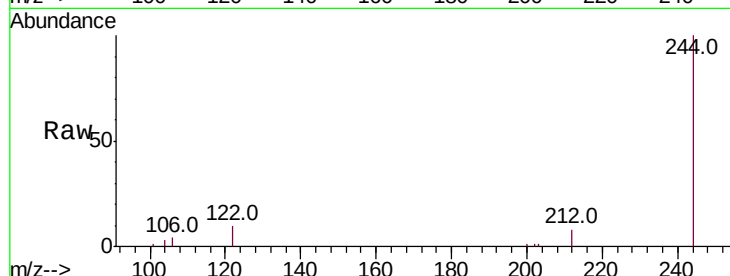
Tot Ion:244 Resp: 8605

Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

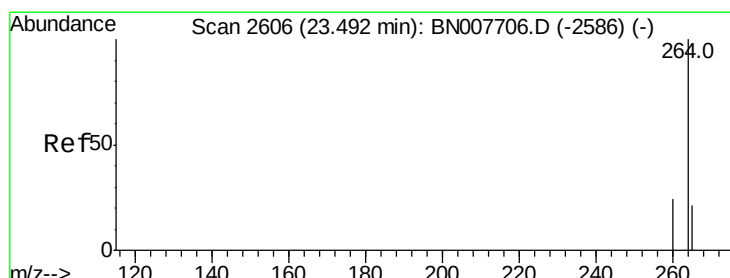
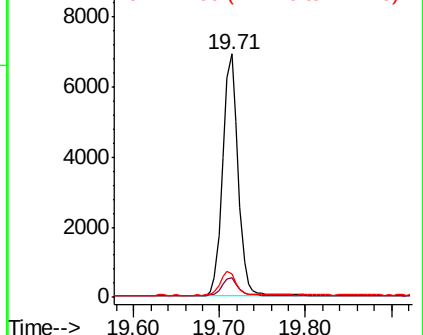
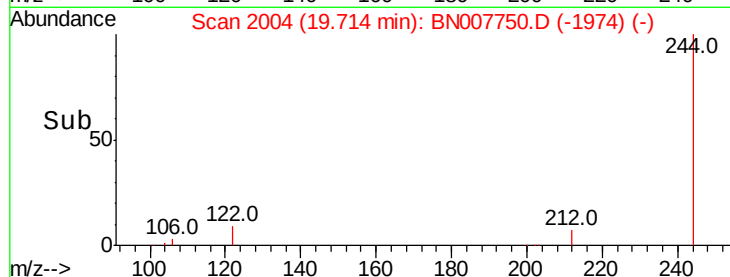
122 9.6 7.4 11.2



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2605

Delta R.T. -0.00 min

Lab File: BN007750.D

Acq: 19 Sep 2019 20:34

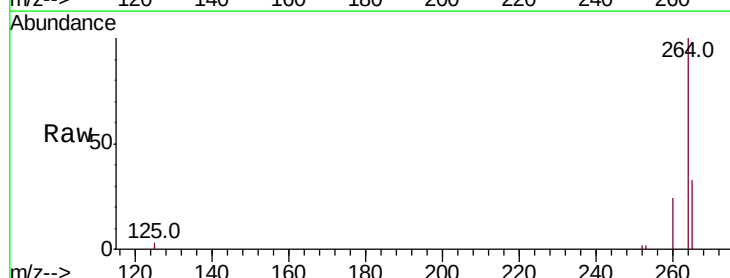
Tgt Ion:264 Resp: 34074

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 33.1 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

