

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010242.D
 Acq On : 17 Mar 2020 16:35
 Operator : CG/JU
 Sample : L1903-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE131D3-20200309

Quant Time: Mar 17 17:25:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 02:17:23 2020
 Response via : Initial Calibration

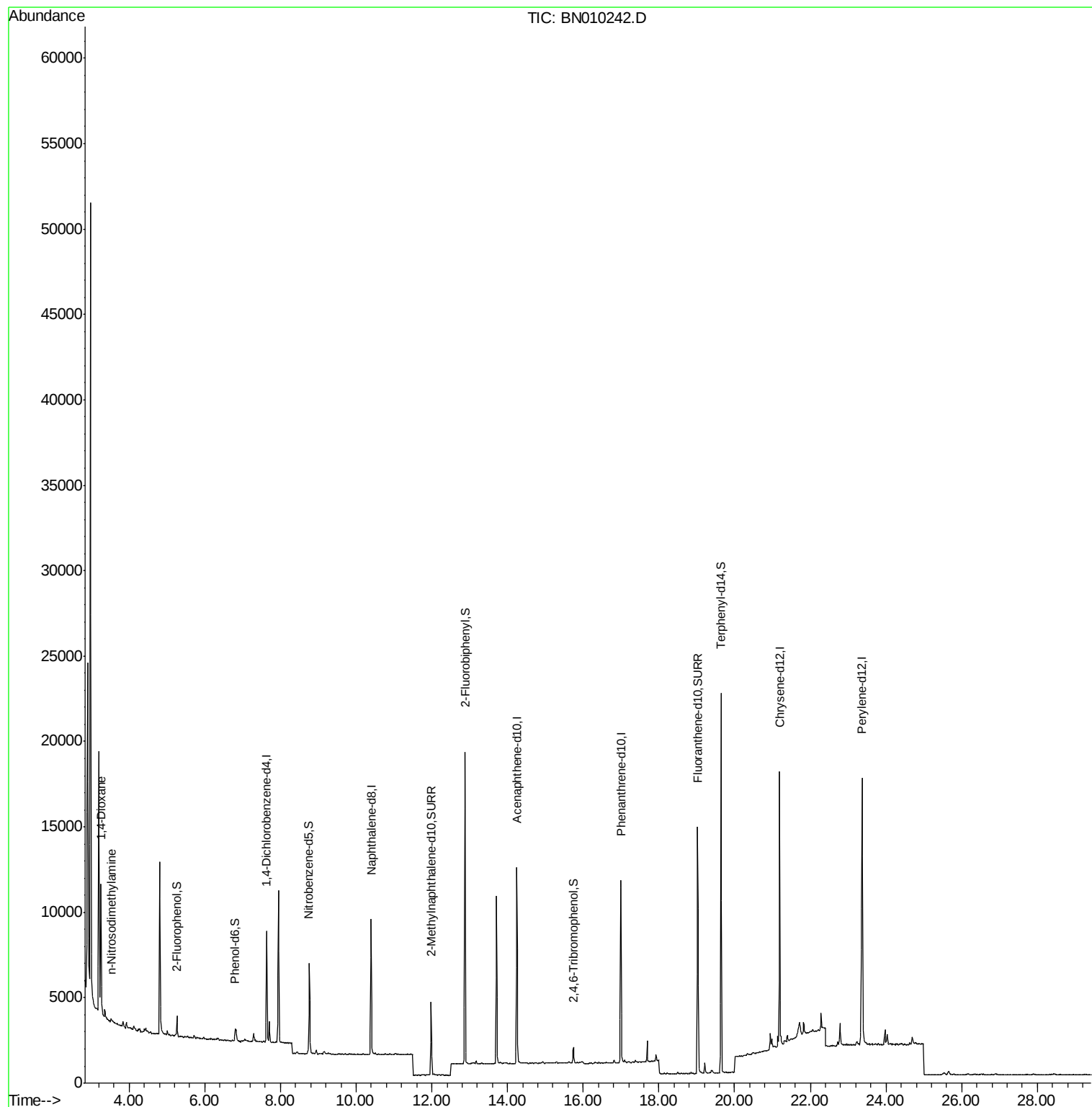
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3168	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	10727	0.40	ng	0.00
13) Acenaphthene-d10	14.25	164	6487	0.40	ng	-0.01
19) Phenanthrene-d10	17.00	188	15906	0.40	ng	0.00
27) Chrysene-d12	21.19	240	16858	0.40	ng	-0.01
34) Perylene-d12	23.37	264	19625	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	916	0.12	ng	0.00
5) Phenol-d6	6.81	99	646	0.07	ng	0.00
8) Nitrobenzene-d5	8.76	82	4178	0.65	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	5821	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	804	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	16860	0.73	ng	0.00
25) Fluoranthene-d10	19.02	212	17205	0.35	ng	0.00
29) Terphenyl-d14	19.64	244	22300	0.58	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.26	88	4827	1.562	ng	# 52
3) n-Nitrosodimethylamine	3.52	42	68	0.025	ng	# 28

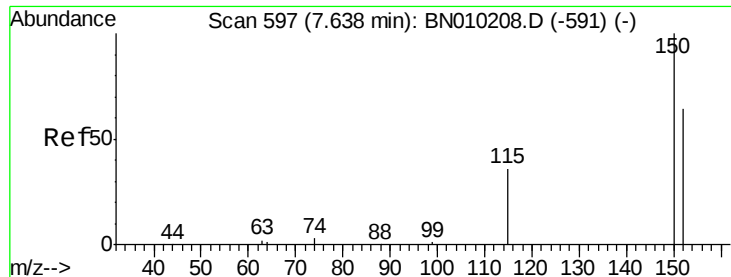
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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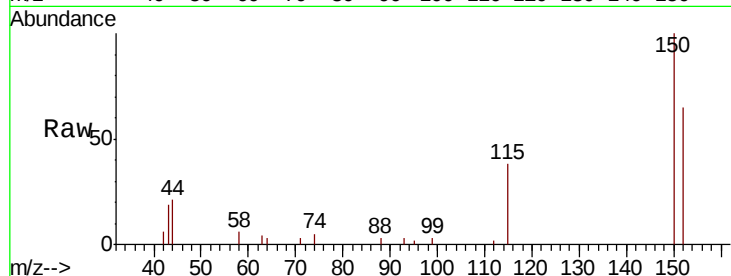


#1

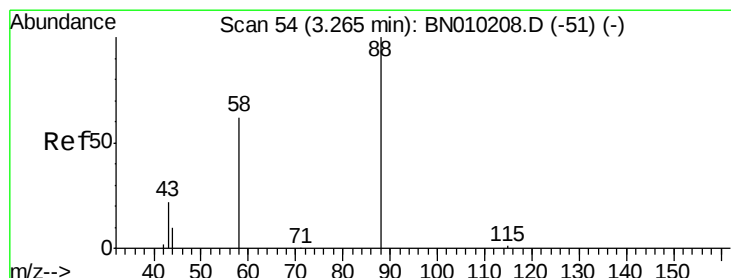
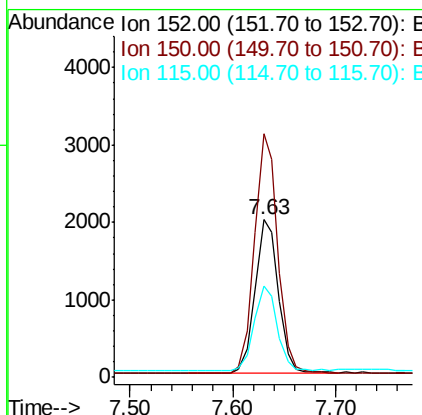
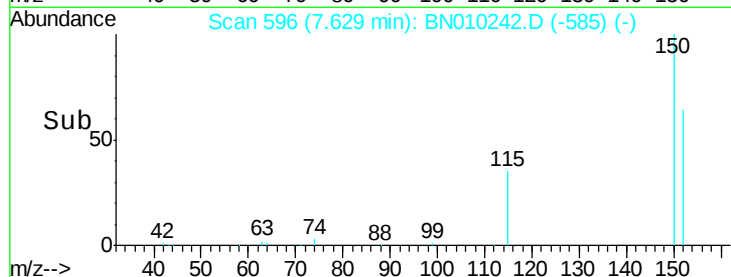
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 596
Delta R.T. -0.01 min
Lab File: BN010242.D
Acq: 17 Mar 2020 16:35

Instrument :
BNA_N
ClientSampleId :
RE131D3-20200309

Tot Ion:152 Resp: 3168
Ion Ratio Lower Upper
152 100
150 154.8 119.5 179.3
115 58.4 50.9 76.3



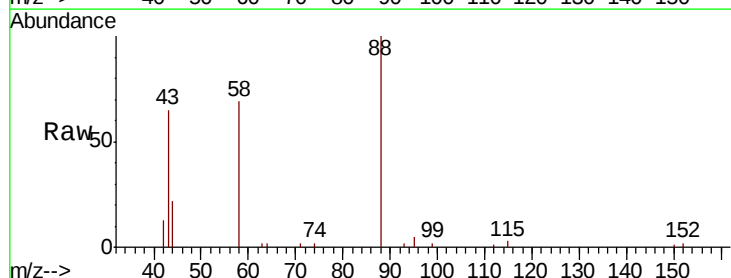
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



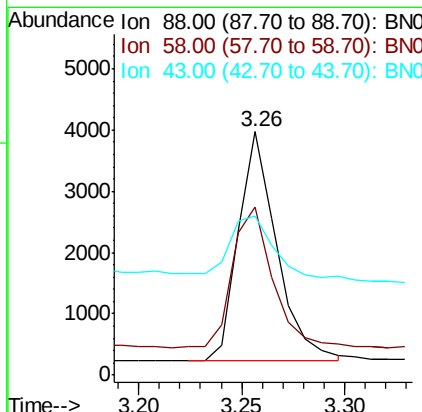
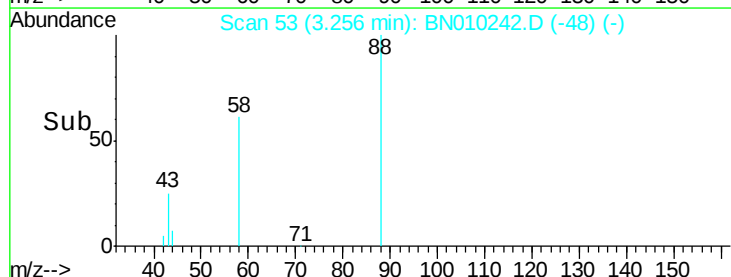
#2

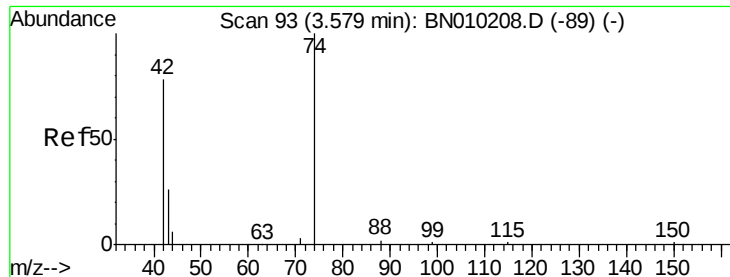
1,4-Dioxane
Concen: 1.562 ng
RT: 3.26 min Scan# 53
Delta R.T. -0.01 min
Lab File: BN010242.D
Acq: 17 Mar 2020 16:35

Tgt Ion: 88 Resp: 4827
Ion Ratio Lower Upper
88 100
58 62.8 97.8 146.8#
43 29.7 45.1 67.7#



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: 0.025 ng

RT: 3.52 min Scan# 86

Delta R.T. -0.06 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

BNA_N

ClientSampleId :

RE131D3-20200309

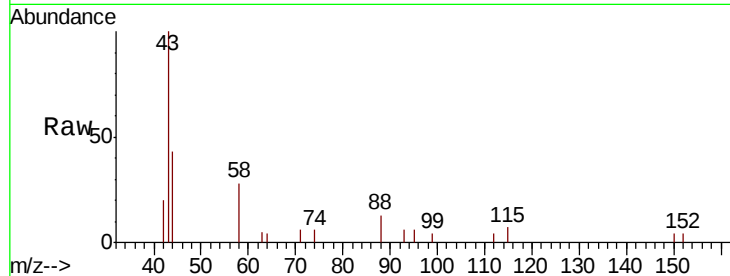
Tot Ion: 42 Resp: 68

Ion Ratio Lower Upper

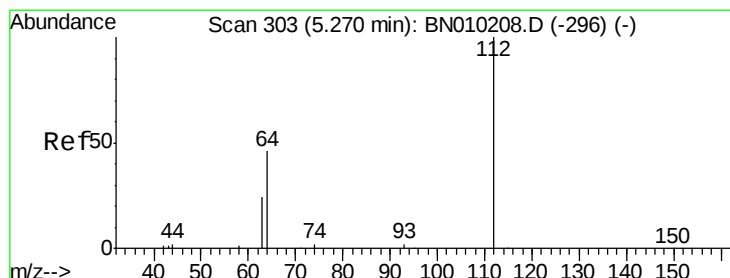
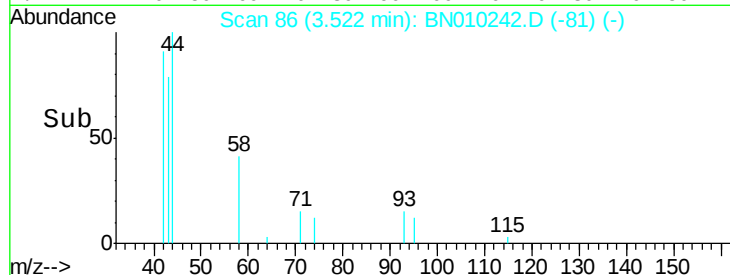
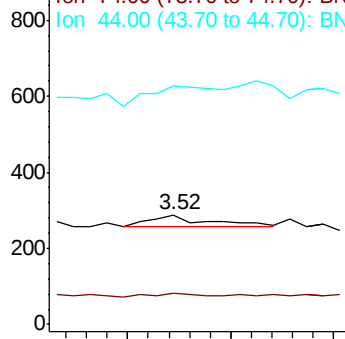
42 100

74 26.5 51.2 76.8#

44 182.4 2.6 4.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.123 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

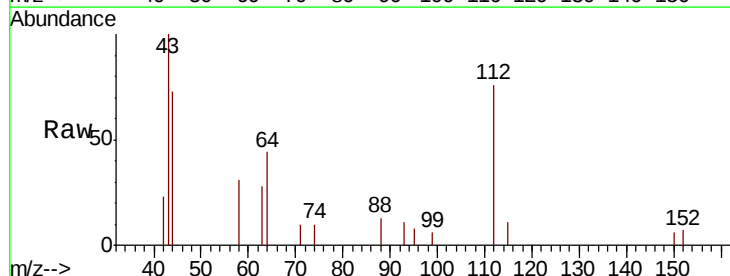
Tgt Ion: 112 Resp: 916

Ion Ratio Lower Upper

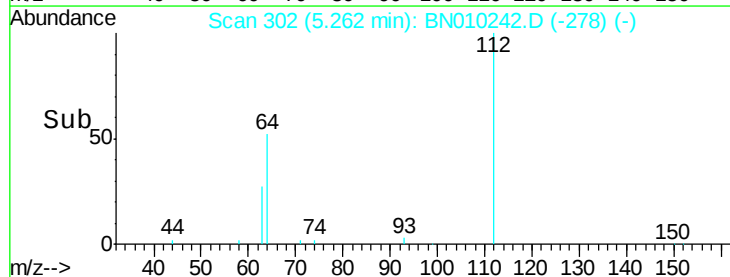
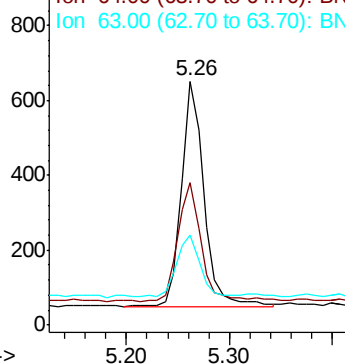
112 100

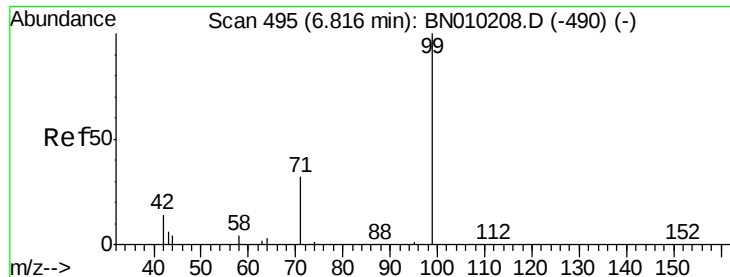
64 55.0 42.6 63.8

63 28.7 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.070 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

BNA_N

ClientSampleId :

RE131D3-20200309

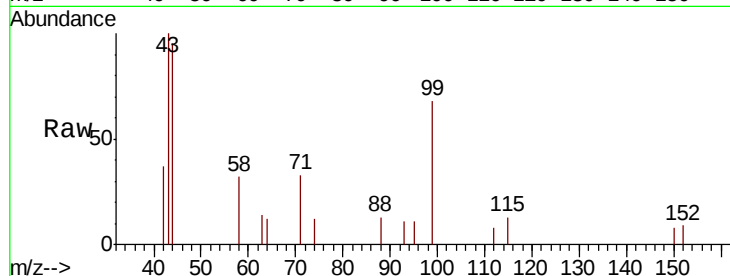
Tot Ion: 99 Resp: 646

Ion Ratio Lower Upper

99 100

42 23.8 12.0 18.0#

71 42.4 22.6 33.8#

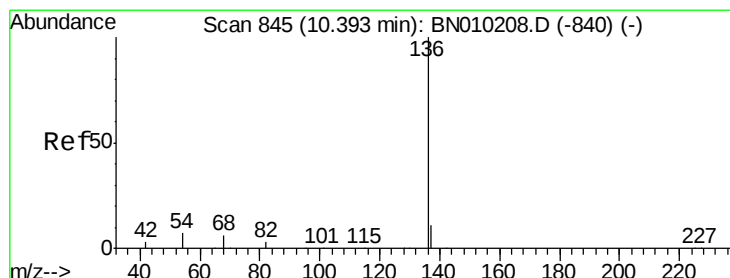
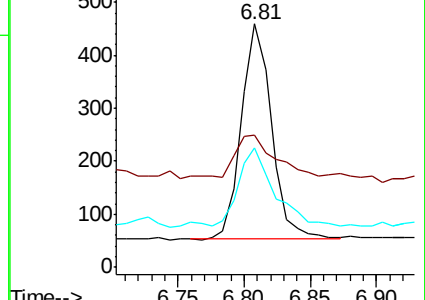
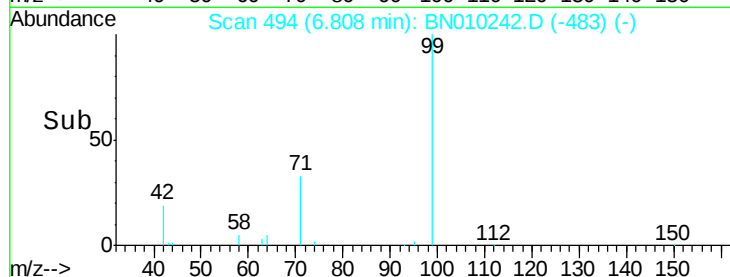


Abundance Ion 99.00 (98.70 to 99.70): BN010208.D (-490) (-)

Ion 42.00 (41.70 to 42.70): BN010208.D (-490) (-)

Ion 71.00 (70.70 to 71.70): BN010208.D (-490) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Tgt Ion: 136 Resp: 10727

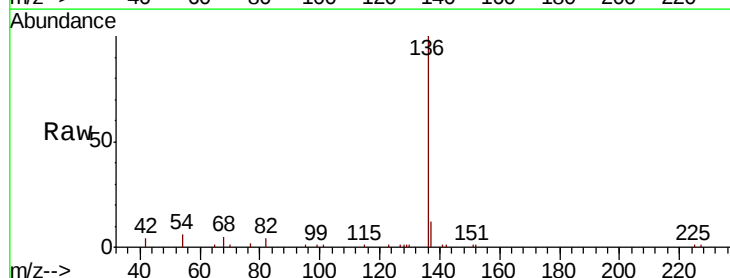
Ion Ratio Lower Upper

136 100

137 11.6 10.6 15.8

54 5.8 9.5 14.3#

68 5.1 9.7 14.5#



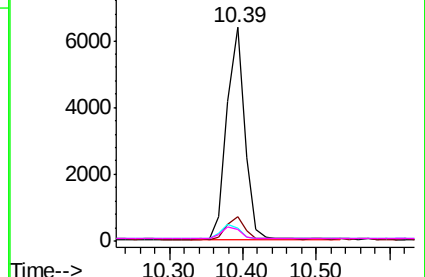
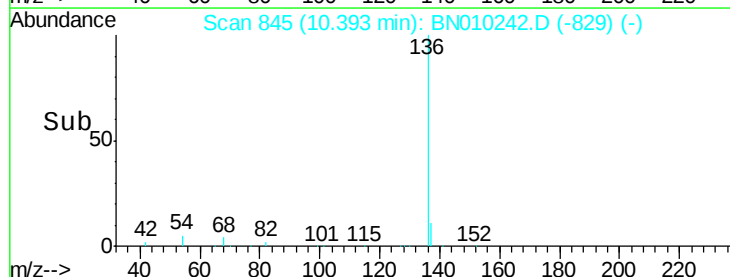
Abundance Ion 136.00 (135.70 to 136.70): BN010208.D (-840) (-)

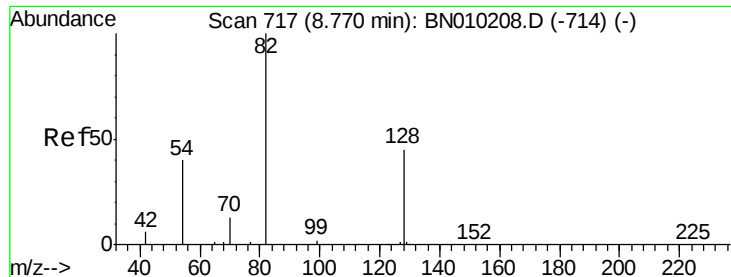
Ion 137.00 (136.70 to 137.70): BN010208.D (-840) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-840) (-)

Ion 68.00 (67.70 to 68.70): BN010208.D (-840) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.650 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

BNA_N

ClientSampleId :

RE131D3-20200309

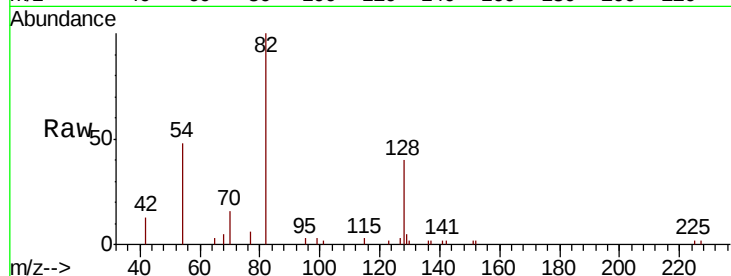
Tot Ion: 82 Resp: 4178

Ion Ratio Lower Upper

82 100

128 39.7 35.0 52.6

54 47.9 37.0 55.4

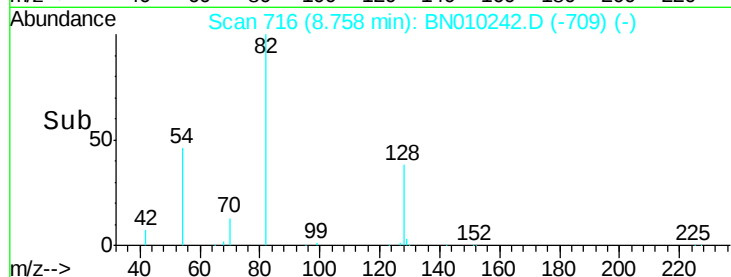


Abundance Ion 82.00 (81.70 to 82.70): BN010208.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BN010208.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-714) (-)

Time-->



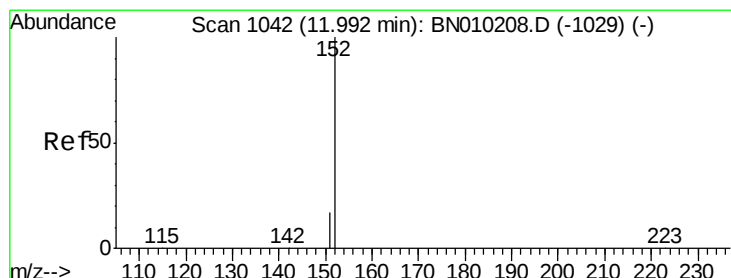
Abundance

Ion 82.00 (81.70 to 82.70): BN010208.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BN010208.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-714) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.329 ng

RT: 11.98 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BN010242.D

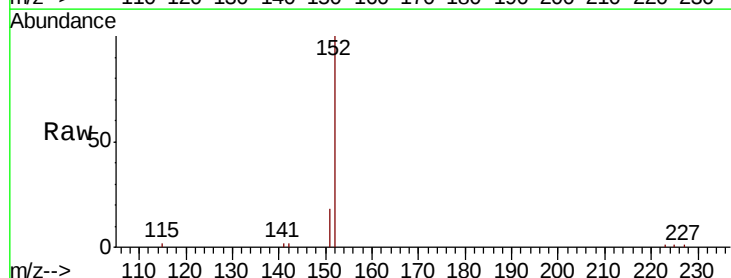
Acq: 17 Mar 2020 16:35

Tgt Ion: 152 Resp: 5821

Ion Ratio Lower Upper

152 100

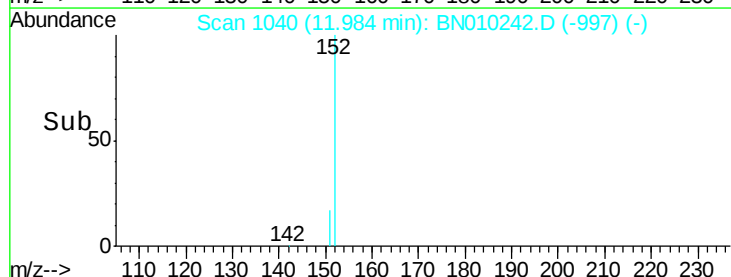
151 19.2 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): BN010208.D (-1029) (-)

Ion 151.00 (150.70 to 151.70): BN010208.D (-1029) (-)

Time-->

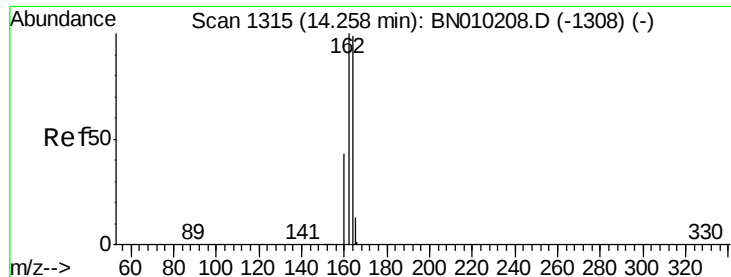


Abundance

Ion 152.00 (151.70 to 152.70): BN010208.D (-1029) (-)

Ion 151.00 (150.70 to 151.70): BN010208.D (-1029) (-)

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

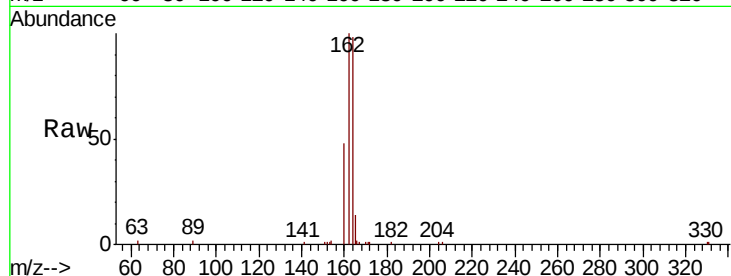
BNA_N

ClientSampleId :

RE131D3-20200309

Tot Ion:164 Resp: 6487

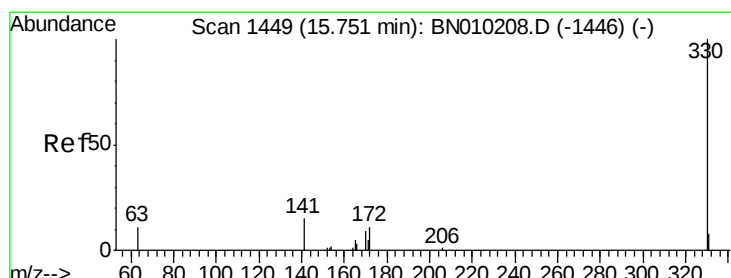
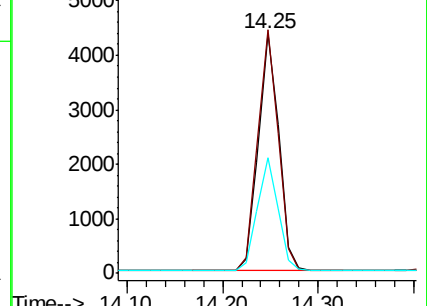
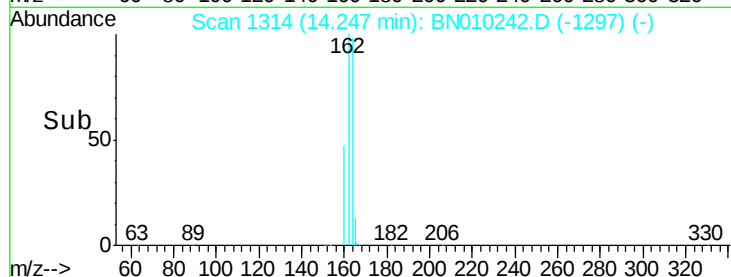
Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.0	121.4
160	48.4	35.6	53.4



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



#14

2,4,6-Tribromophenol

Concen: 0.346 ng

RT: 15.74 min Scan# 1448

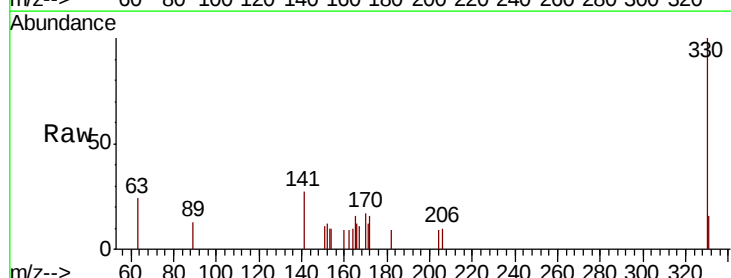
Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Tgt Ion:330 Resp: 804

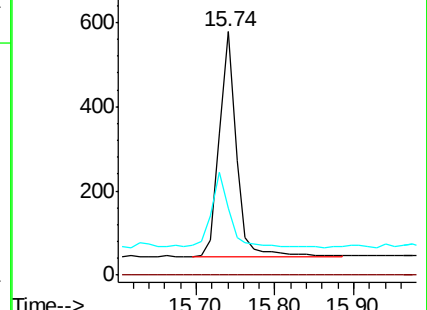
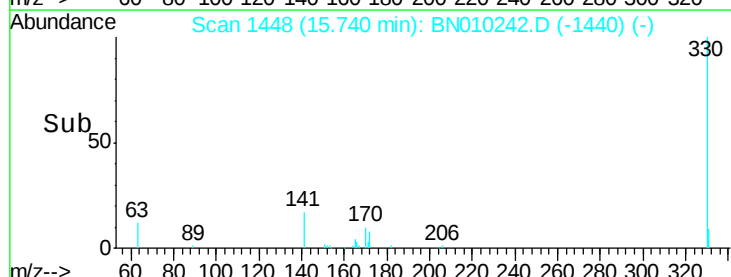
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.1	25.1	37.7

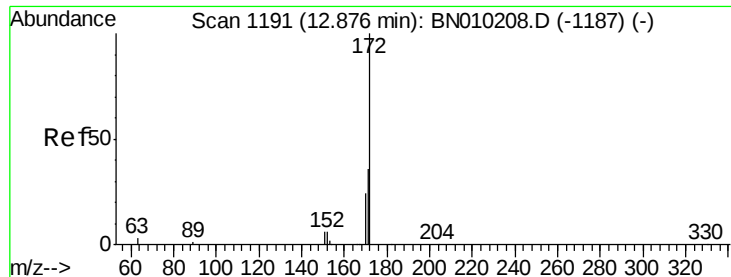


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

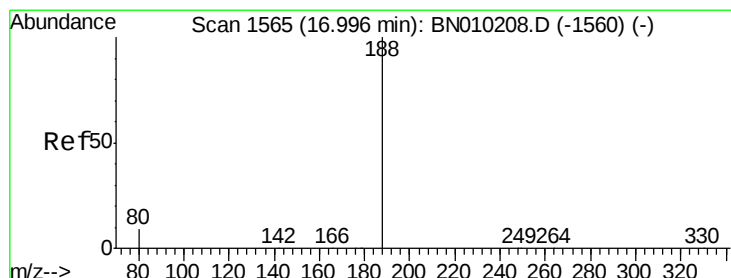
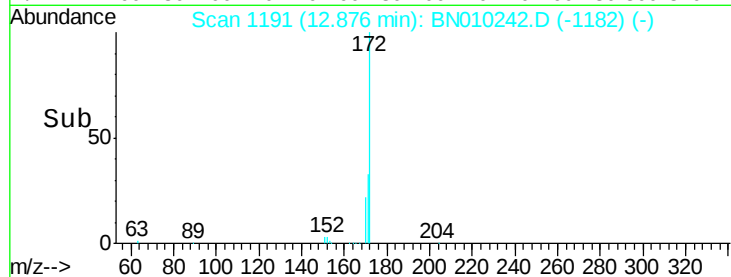
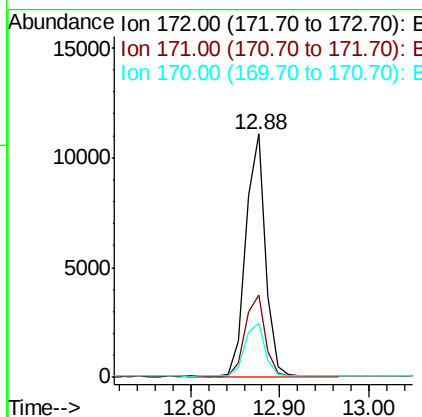
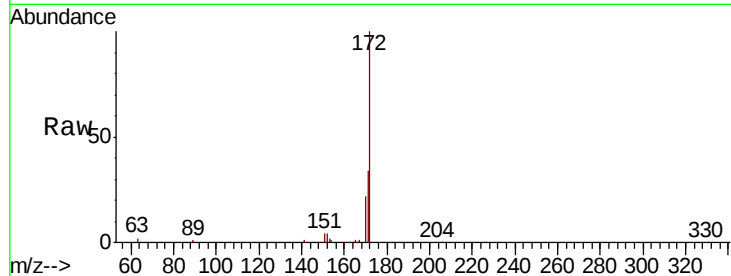




#15
2-Fluorobiphenyl
Concen: 0.730 ng
RT: 12.88 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BN010242.D
Acq: 17 Mar 2020 16:35

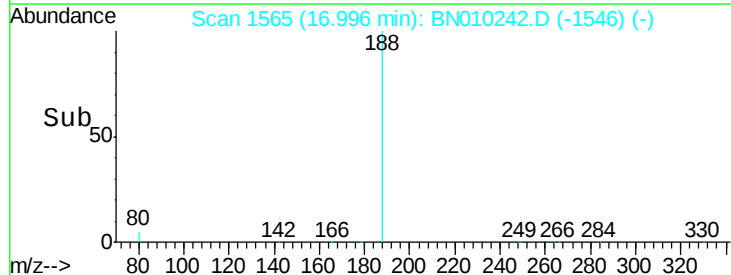
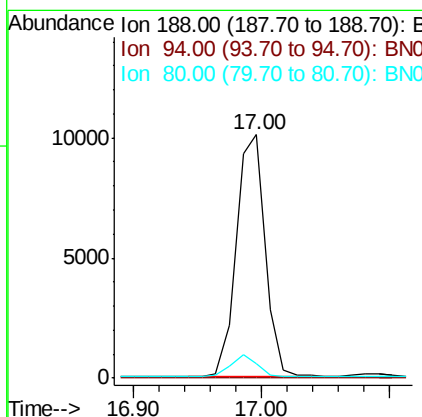
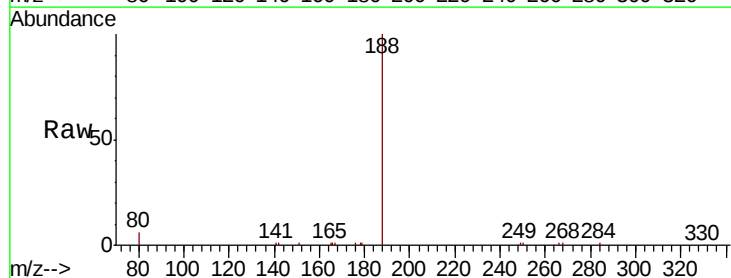
Instrument :
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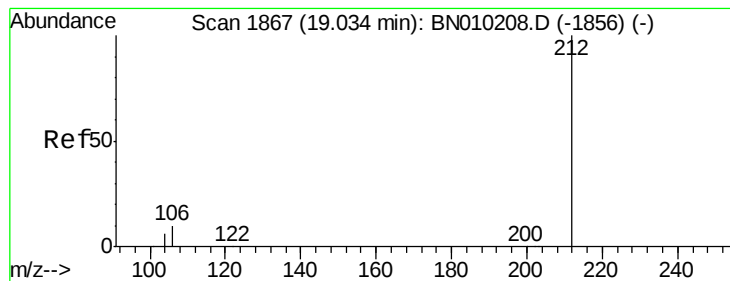
Tot Ion:172 Resp: 16860
Ion Ratio Lower Upper
172 100
171 33.7 29.4 44.2
170 22.2 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BN010242.D
Acq: 17 Mar 2020 16:35

Tgt Ion:188 Resp: 15906
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.0 8.6 12.8#





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

BNA_N

ClientSampleId :

RE131D3-20200309

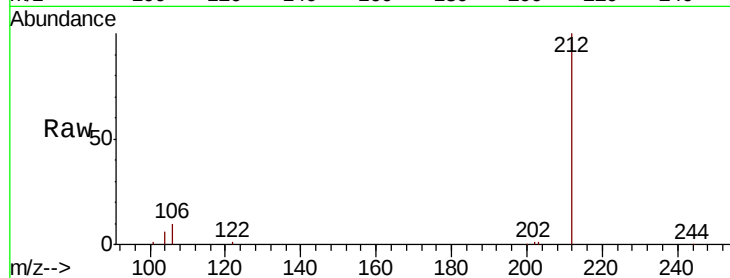
Tot Ion:212 Resp: 17205

Ion Ratio Lower Upper

212 100

106 9.4 8.1 12.1

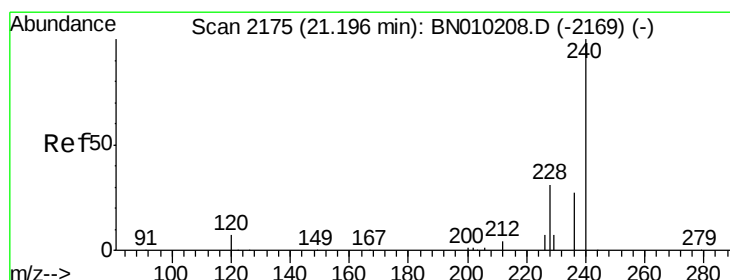
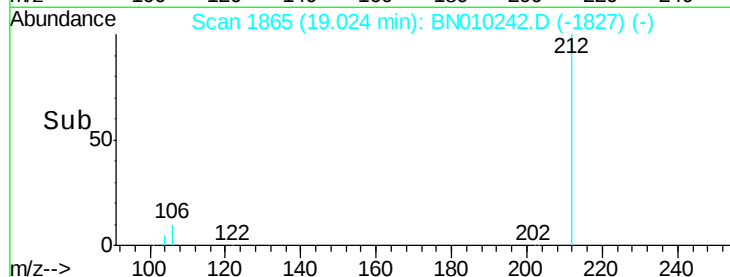
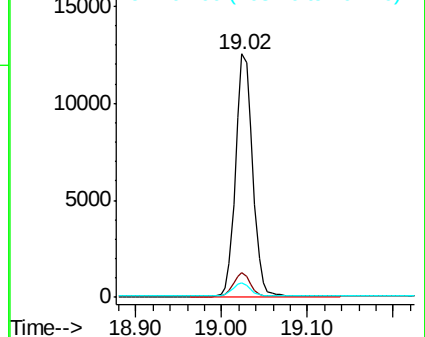
104 5.5 4.7 7.1



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: 21.19 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

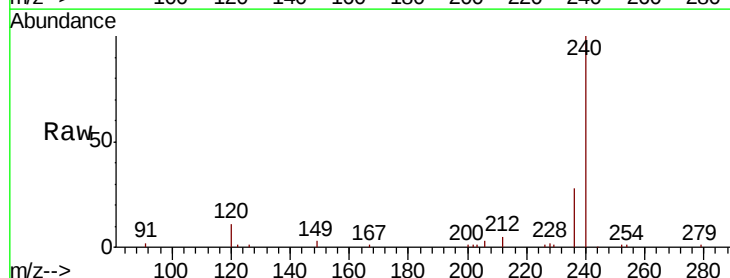
Tgt Ion:240 Resp: 16858

Ion Ratio Lower Upper

240 100

120 11.3 7.7 11.5

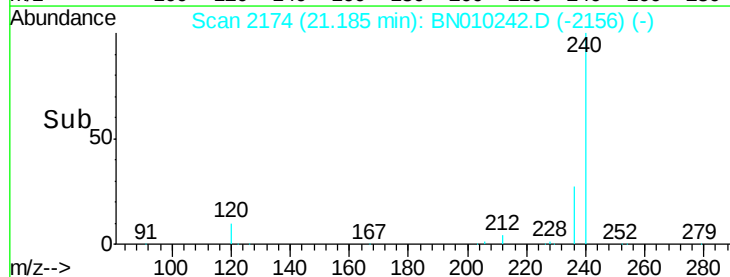
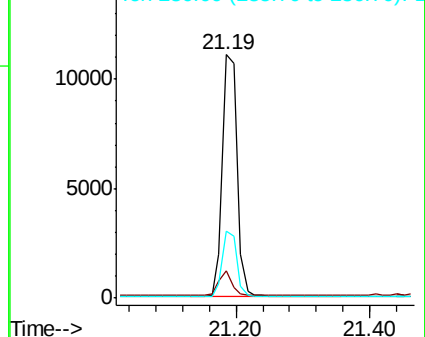
236 27.6 21.8 32.6

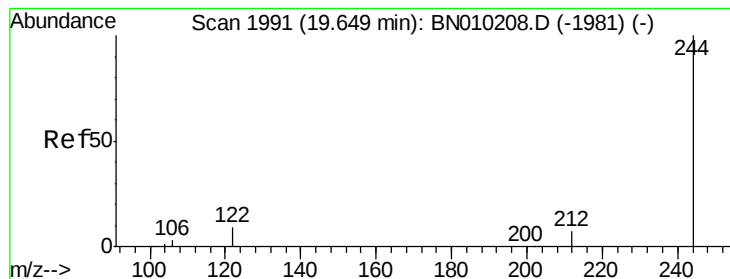


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.580 ng

RT: 19.64 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

Instrument :

BNA_N

ClientSampleId :

RE131D3-20200309

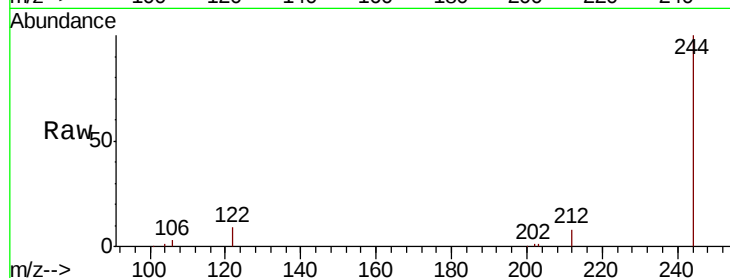
Tot Ion:244 Resp: 22300

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

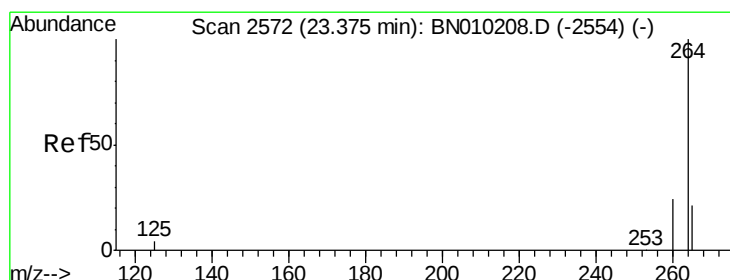
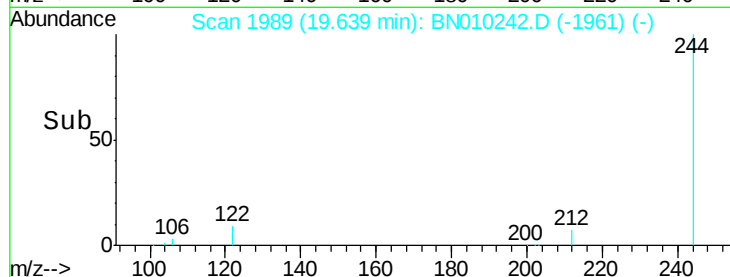
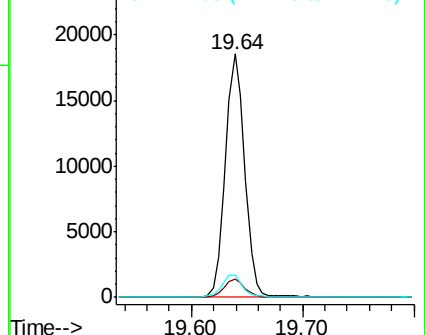
122 9.0 8.1 12.1



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: 23.37 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BN010242.D

Acq: 17 Mar 2020 16:35

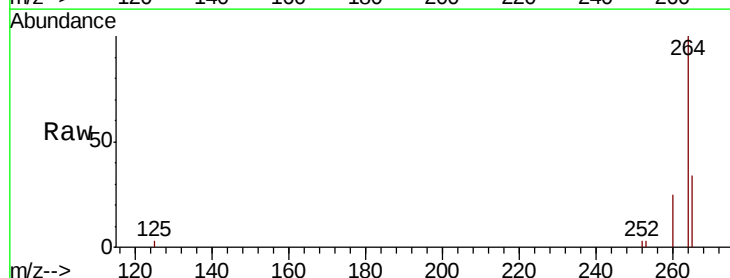
Tgt Ion:264 Resp: 19625

Ion Ratio Lower Upper

264 100

260 24.9 19.7 29.5

265 33.7 25.8 38.6



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

