

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007583.D
 Acq On : 10 Sep 2019 19:42
 Operator : HP/JU
 Sample : K4781-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 10 20:13:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 16:53:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	5970	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	25192	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	14848	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	36106	0.40	ng	0.00
27) Chrysene-d12	21.28	240	37357	0.40	ng	-0.01
34) Perylene-d12	23.51	264	40305	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	3412	0.19	ng	0.00
5) Phenol-d6	6.90	99	3075	0.12	ng	0.00
8) Nitrobenzene-d5	8.86	82	6739	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	15876	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	2373	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.98	172	25413	0.41	ng	0.00
25) Fluoranthene-d10	19.12	212	43797	0.37	ng	0.00
29) Terphenyl-d14	19.73	244	39309	0.40	ng	0.00

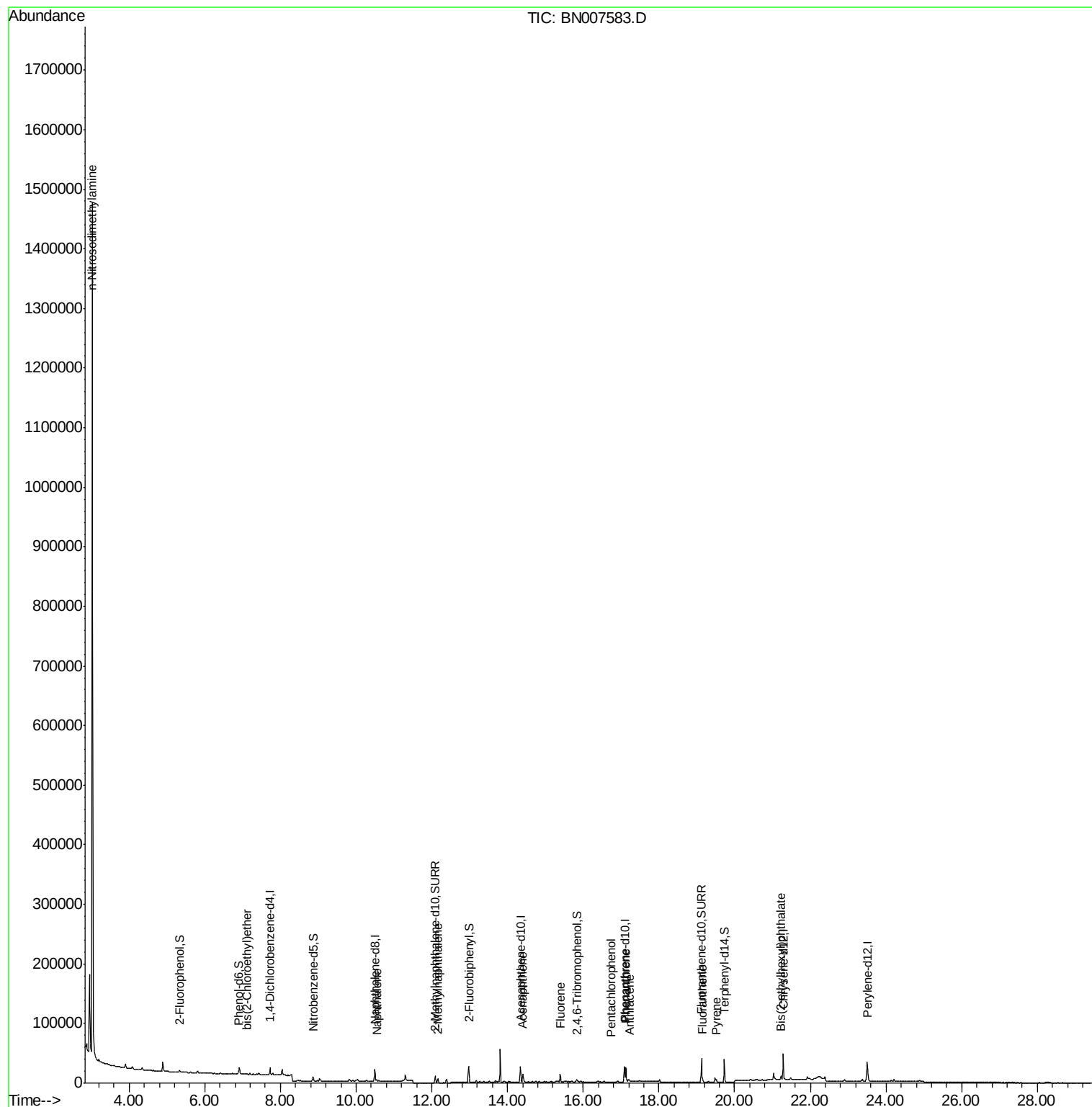
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.03	42	109289	30.645	ng	# 100
6) bis(2-Chloroethyl)ether	7.12	93	54	0.217	ng	91
9) Naphthalene	10.54	128	2564	0.036	ng	# 88
12) 2-Methylnaphthalene	12.16	142	5062	0.102	ng	96
17) Acenaphthene	14.40	154	7198	0.143	ng	98
18) Fluorene	15.39	166	8130	0.123	ng	99
22) Pentachlorophenol	16.73	266	24	0.207	ng	# 66
23) Phenanthrene	17.12	178	26605	0.239	ng	100
24) Anthracene	17.22	178	3082	0.030	ng	# 92
26) Fluoranthene	19.15	202	5025	0.037	ng	# 93
28) Pyrene	19.51	202	4106	0.031	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.23	149	5047	0.110	ng	99

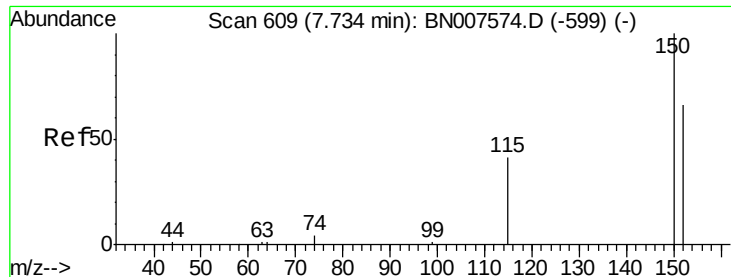
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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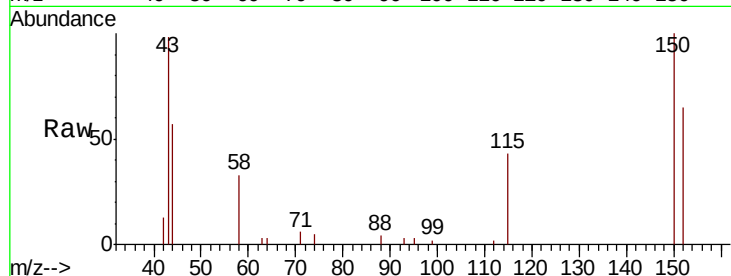


#1

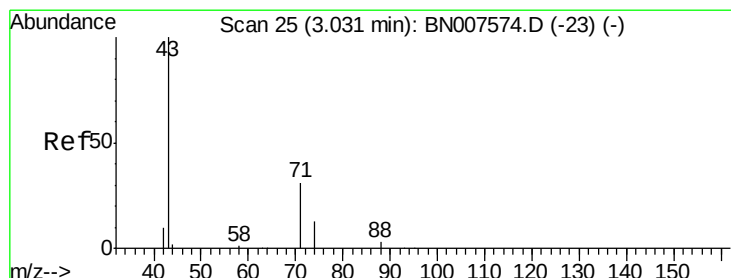
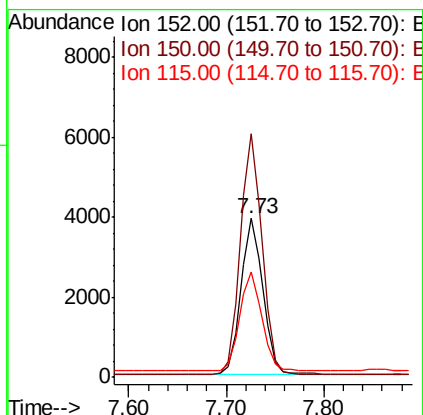
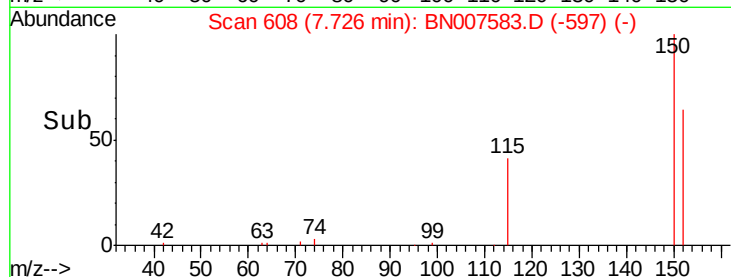
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5970
Ion Ratio Lower Upper
152 100
150 153.6 119.5 179.3
115 66.1 53.0 79.6



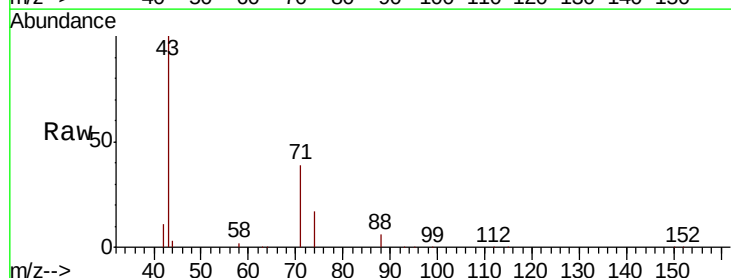
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



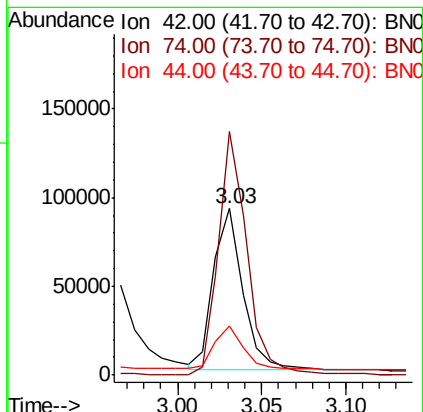
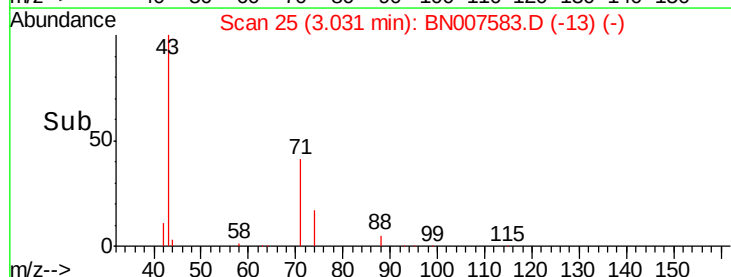
#3

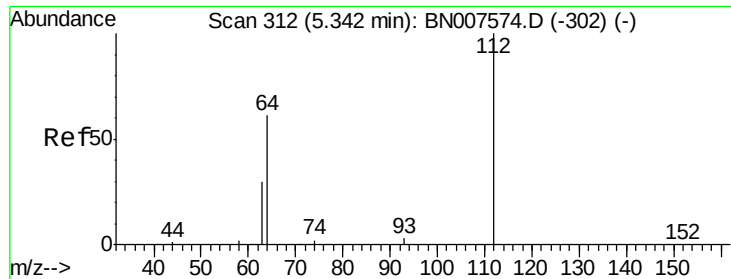
n-Nitrosodimethylamine
Concen: 30.645 ng
RT: 3.03 min Scan# 25
Delta R.T. -0.00 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Tgt Ion: 42 Resp: 109289
Ion Ratio Lower Upper
42 100
74 146.7 0.0 0.0#
44 26.7 0.0 0.0#



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: 0.188 ng

RT: 5.34 min Scan# 312

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

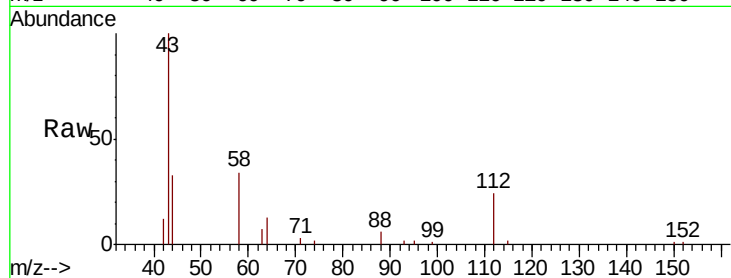
Tot Ion: 112 Resp: 3412

Ion Ratio Lower Upper

112 100

64 58.2 49.2 73.8

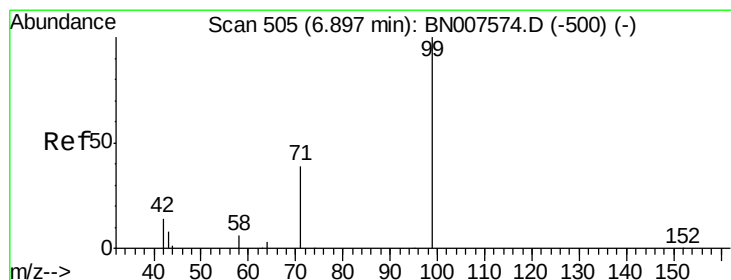
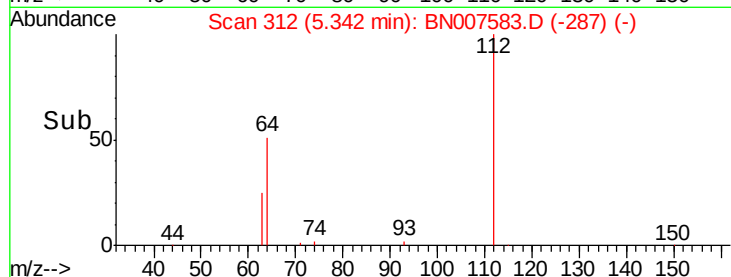
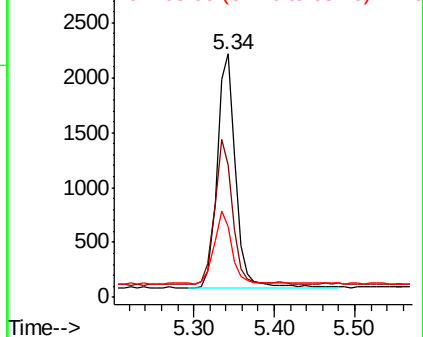
63 29.2 26.0 39.0



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: 0.124 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

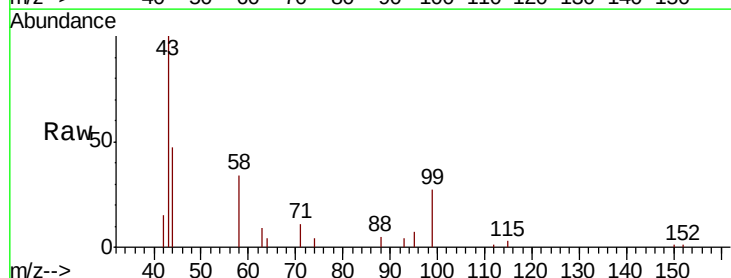
Tgt Ion: 99 Resp: 3075

Ion Ratio Lower Upper

99 100

42 0.0 11.8 17.8#

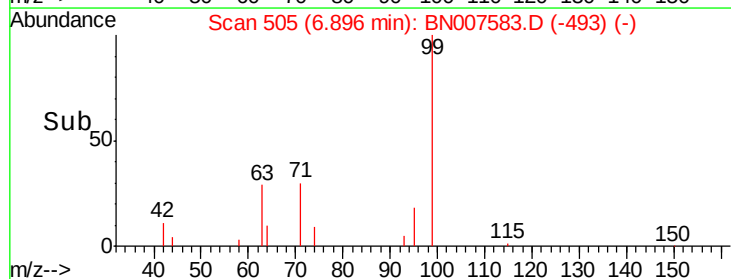
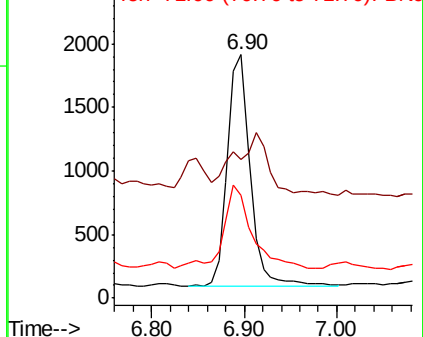
71 46.4 28.8 43.2#

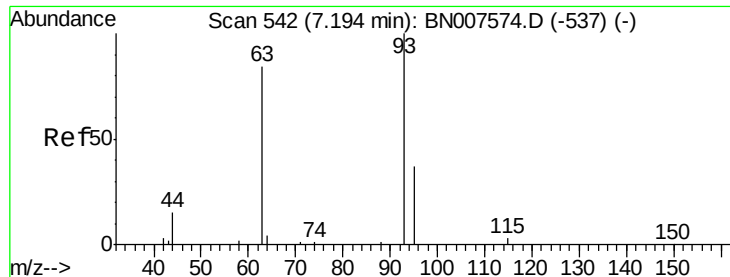


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0

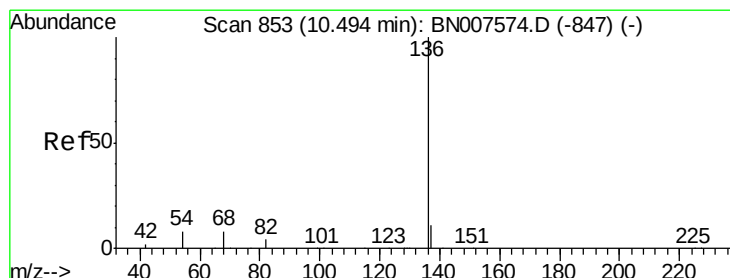
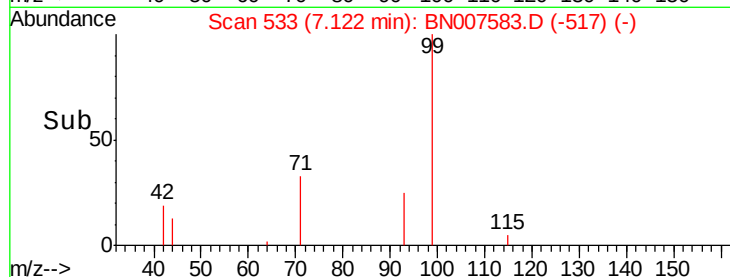
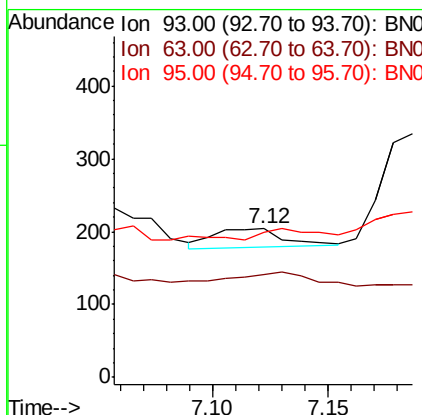
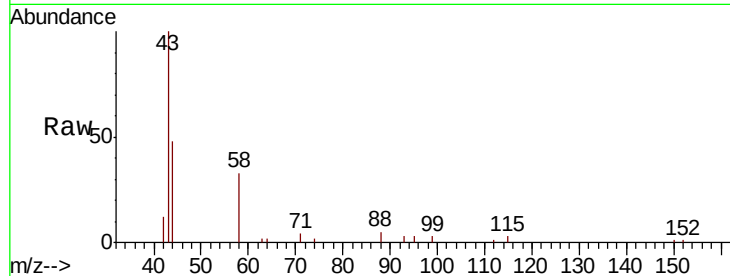




#6
 bis(2-Chloroethyl)ether
 Concen: 0.217 ng
 RT: 7.12 min Scan# 533
 Delta R.T. -0.07 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

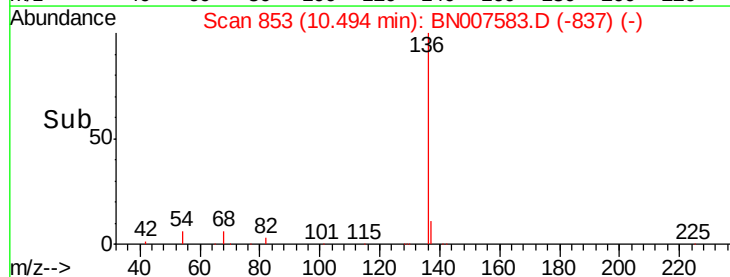
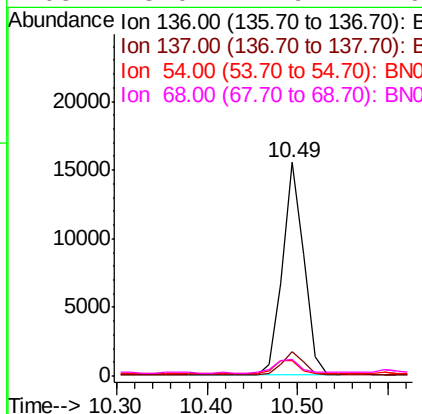
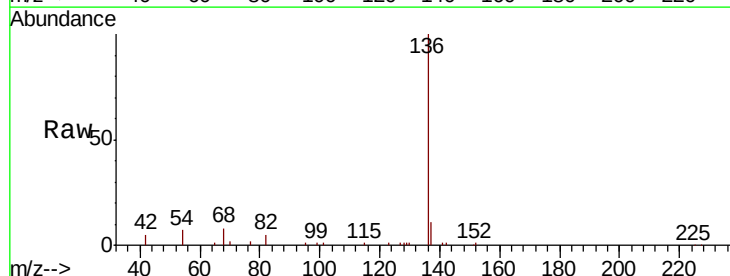
Instrument :
 BNA_N
 ClientSampleId :

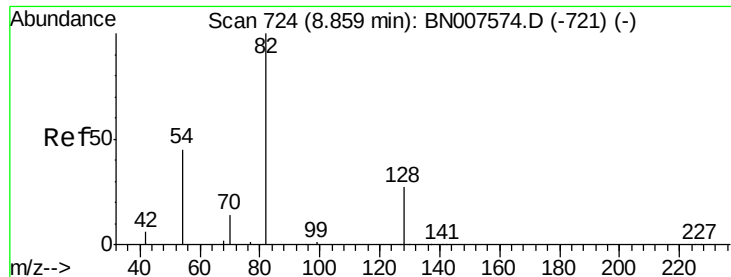
Tot Ion:	93	Resp:	54
Ion	Ratio	Lower	Upper
93	100		
63	75.9	69.8	104.6
95	55.6	42.8	64.2



#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.49 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Tgt Ion:	136	Resp:	25192
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.1	7.5	11.3#
68	8.0	7.9	11.9





#8

Nitrobenzene-d5

Concen: 0.439 ng

RT: 8.86 min Scan# 724

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

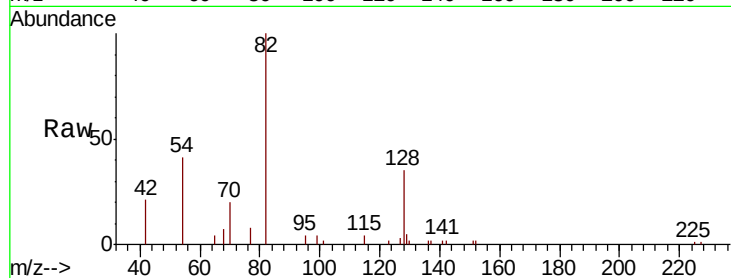
Tot Ion: 82 Resp: 6739

Ion Ratio Lower Upper

82 100

128 34.9 23.4 35.2

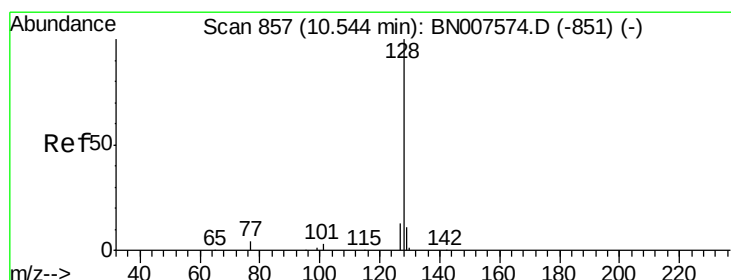
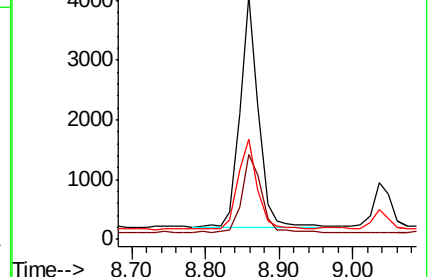
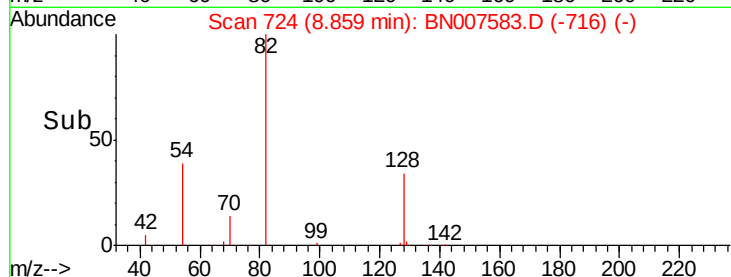
54 41.2 38.2 57.2



Abundance Ion 82.00 (81.70 to 82.70): BN007574.D (-721) (-)

Ion 128.00 (127.70 to 128.70): BN007574.D (-721) (-)

Ion 54.00 (53.70 to 54.70): BN007574.D (-721) (-)



#9

Naphthalene

Concen: 0.036 ng

RT: 10.54 min Scan# 857

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

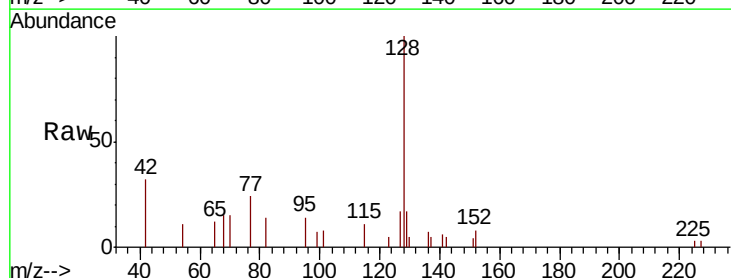
Tgt Ion: 128 Resp: 2564

Ion Ratio Lower Upper

128 100

129 17.4 9.3 13.9#

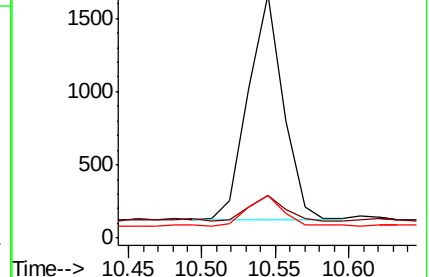
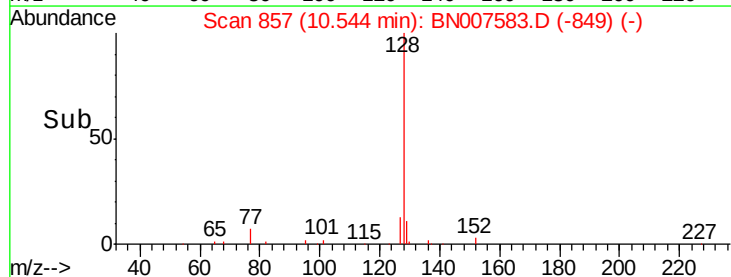
127 17.3 11.0 16.4#

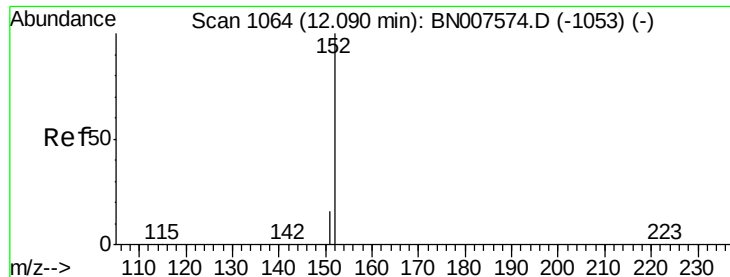


Abundance Ion 128.00 (127.70 to 128.70): BN007574.D (-851) (-)

Ion 129.00 (128.70 to 129.70): BN007574.D (-851) (-)

Ion 127.00 (126.70 to 127.70): BN007574.D (-851) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

RT: 12.09 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

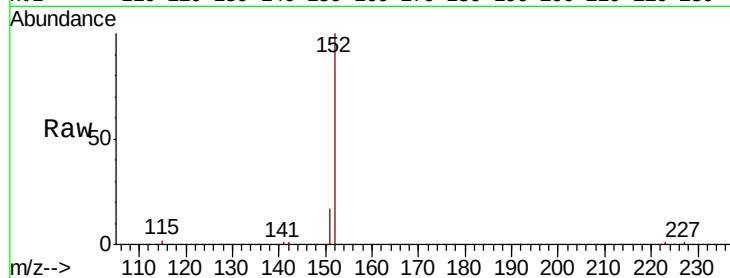
ClientSampleId :

Tot Ion:152 Resp: 15876

Ion Ratio Lower Upper

152 100

151 19.3 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12000

10000

8000

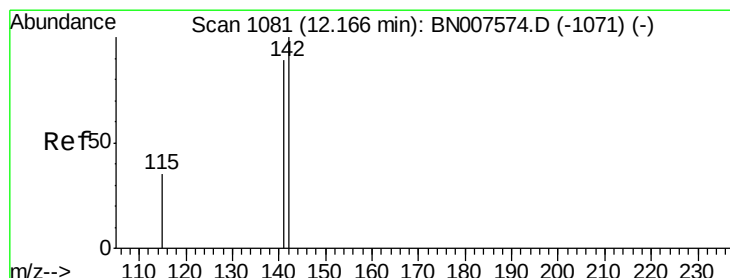
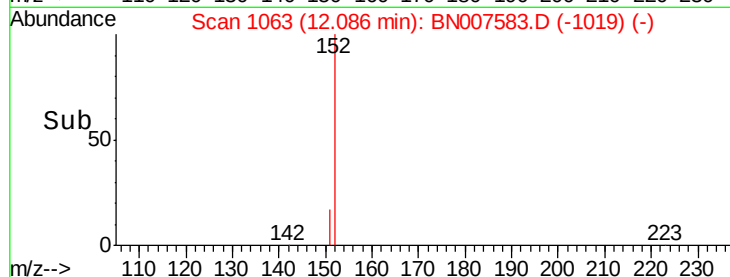
6000

4000

2000

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.102 ng

RT: 12.16 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

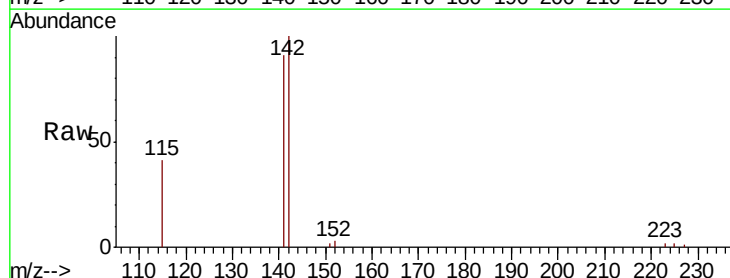
Tgt Ion:142 Resp: 5062

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.6

115 41.0 29.1 43.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

4000

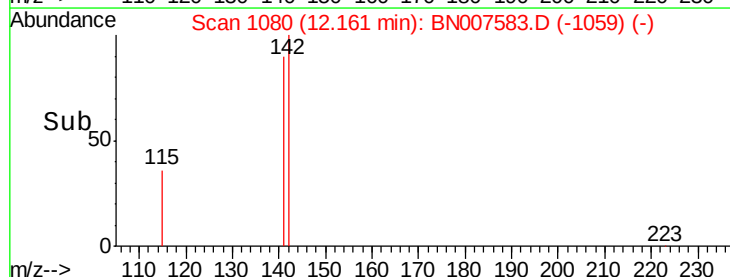
3000

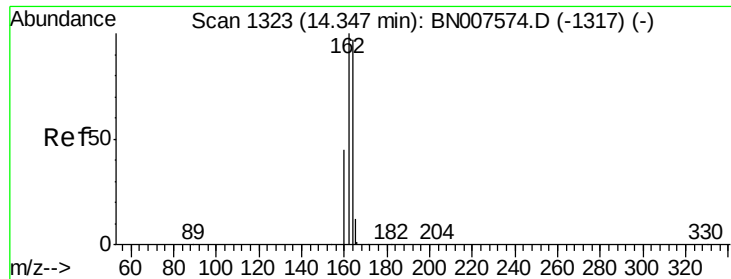
2000

1000

0

Time--> 12.10 12.15 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.35 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampled :

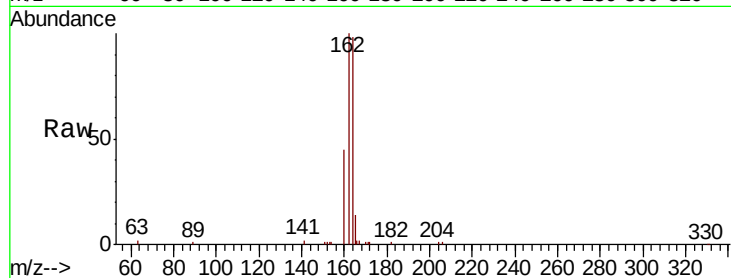
Tot Ion:164 Resp: 14848

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

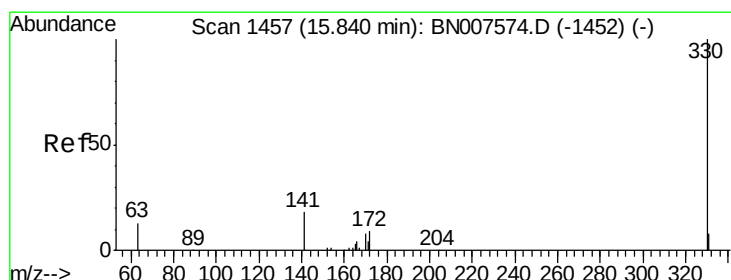
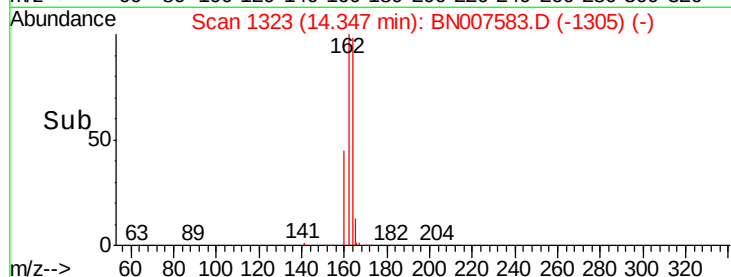
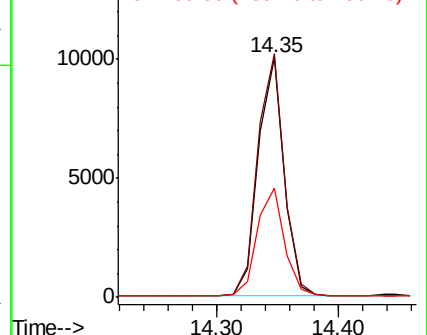
160 45.7 37.4 56.0



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



#14

2,4,6-Tribromophenol

Concen: 0.421 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

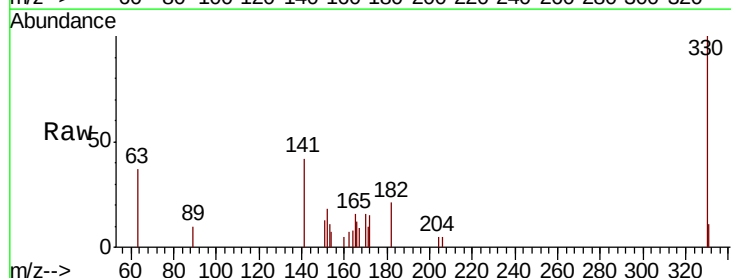
Tgt Ion:330 Resp: 2373

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

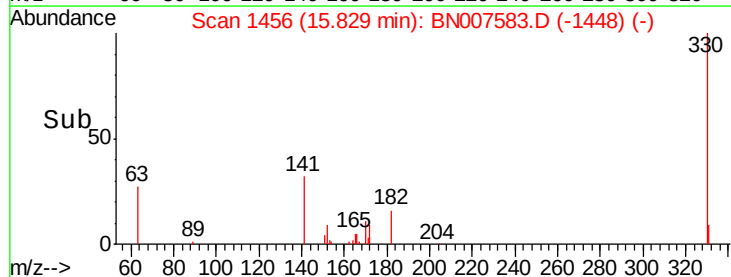
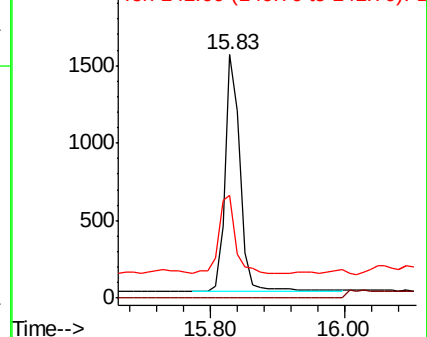
141 37.9 30.6 45.8

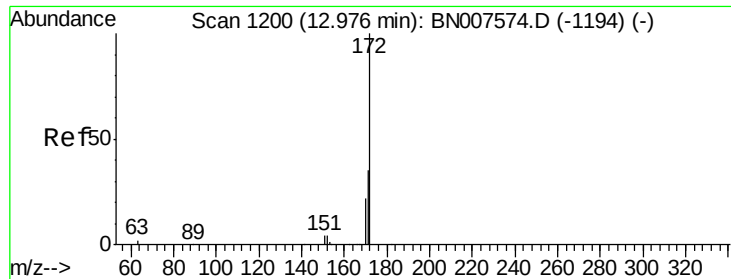


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

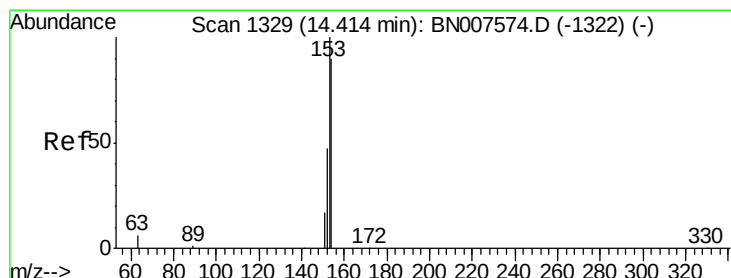
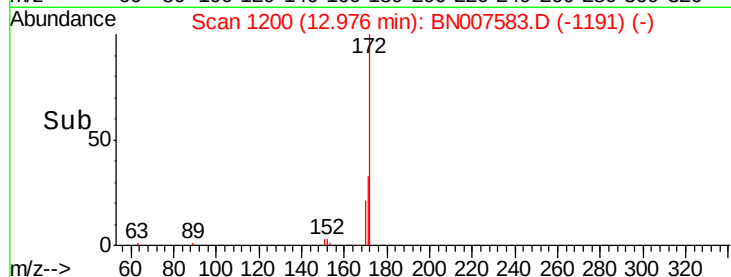
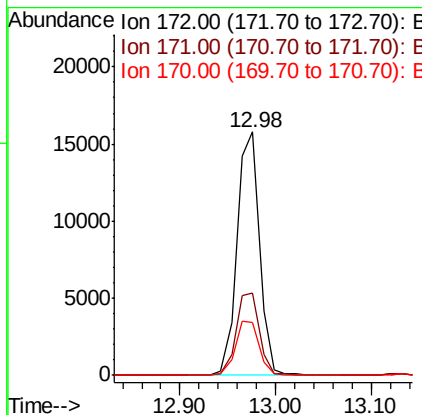
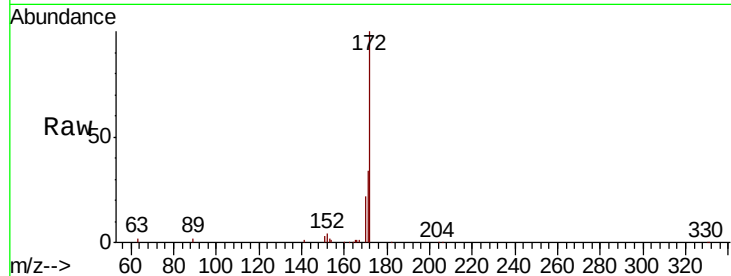




#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 12.98 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

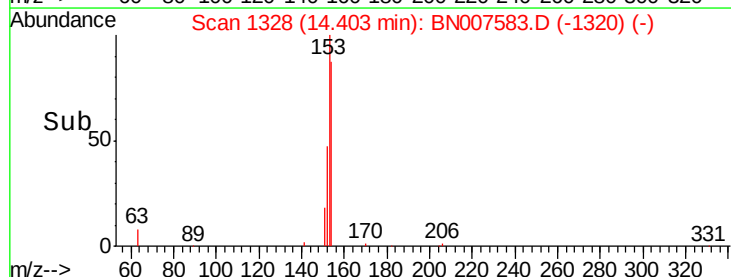
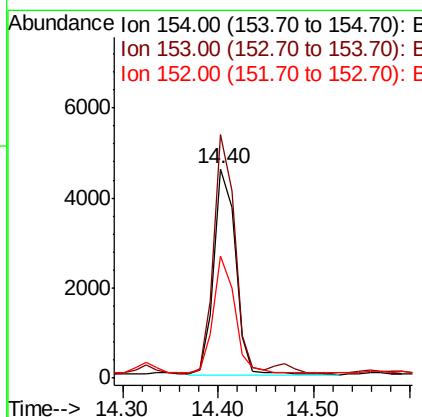
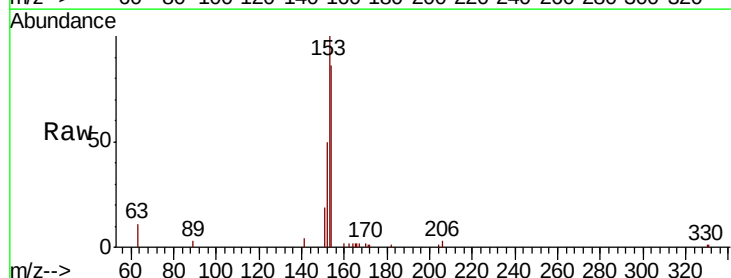
Instrument :
BNA_N
ClientSampleId :

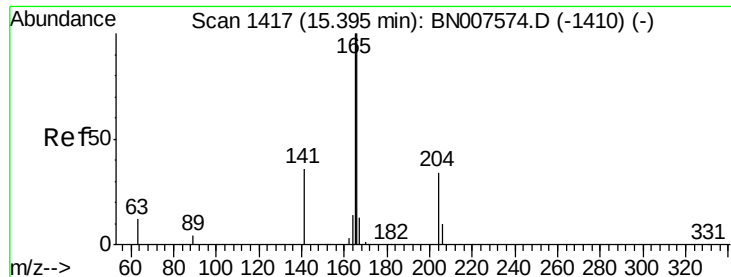
Tot Ion:172 Resp: 25413
Ion Ratio Lower Upper
172 100
171 33.7 28.2 42.2
170 21.6 18.3 27.5



#17
Acenaphthene
Concen: 0.143 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Tgt Ion:154 Resp: 7198
Ion Ratio Lower Upper
154 100
153 112.9 89.4 134.2
152 56.9 43.4 65.0





#18

Fluorene

Concen: 0.123 ng

RT: 15.39 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

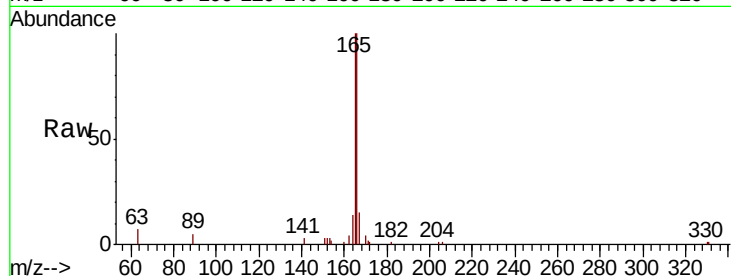
Tot Ion:166 Resp: 8130

Ion Ratio Lower Upper

166 100

165 96.6 77.8 116.6

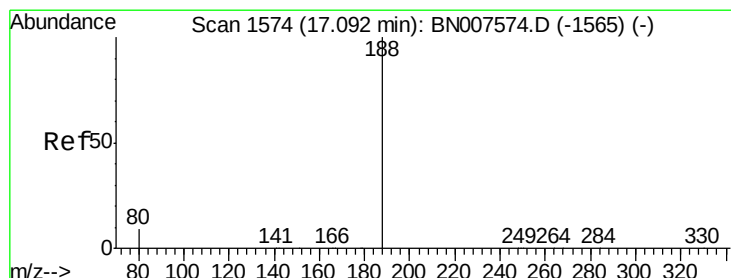
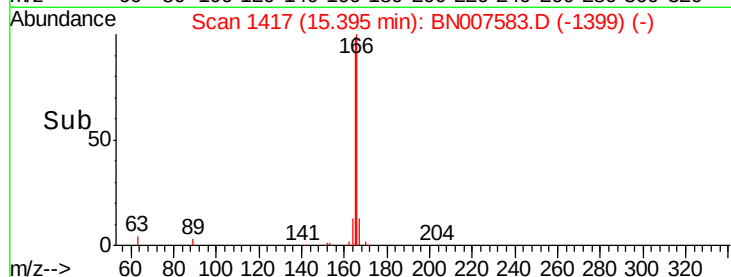
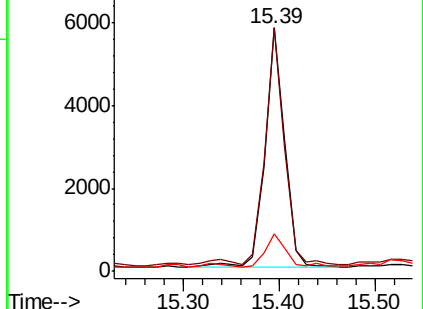
167 14.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

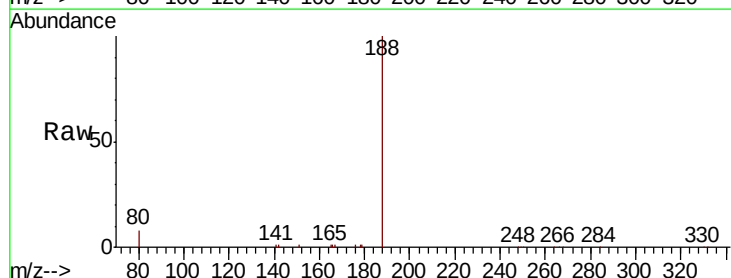
Tgt Ion:188 Resp: 36106

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

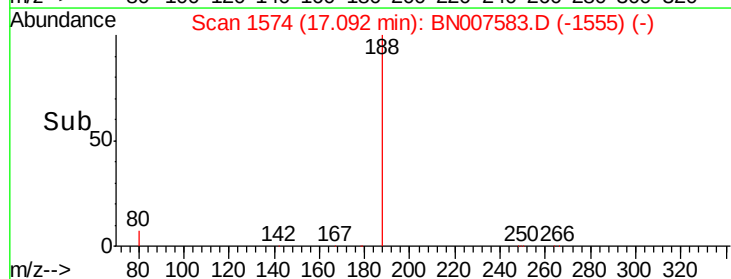
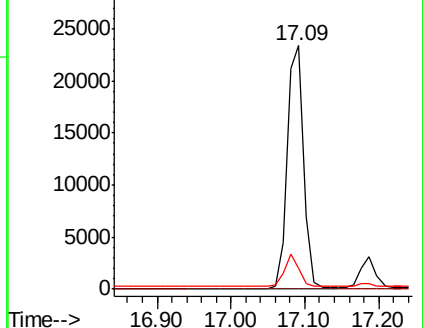
80 8.5 8.1 12.1

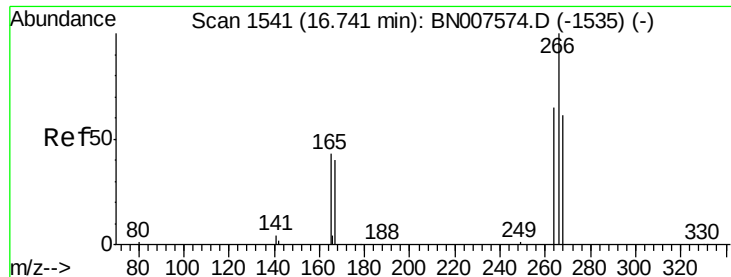


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#22

Pentachlorophenol

Concen: 0.207 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampled :

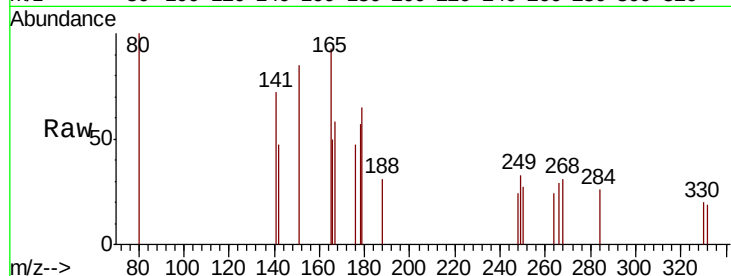
Tot Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

264 80.6 52.0 78.0#

268 105.6 53.5 80.3#

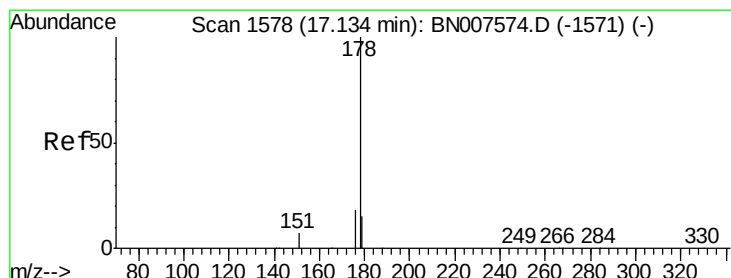
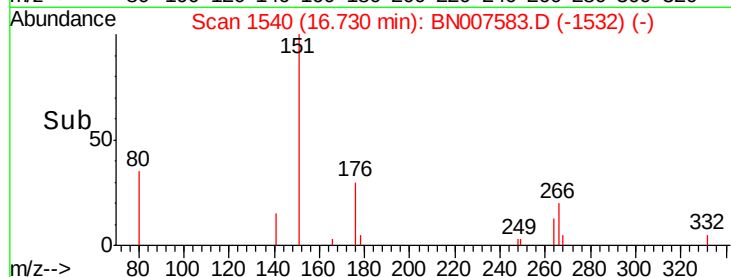
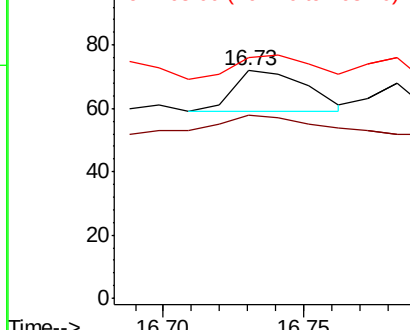


Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.239 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

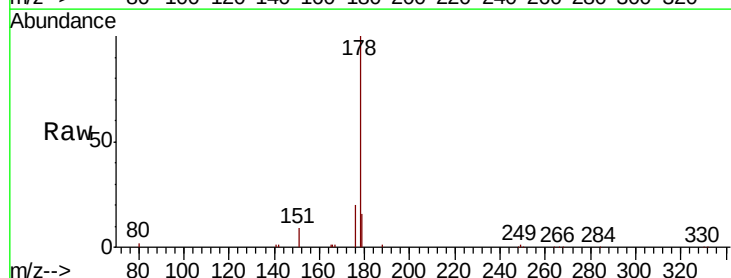
Tgt Ion:178 Resp: 26605

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.6 12.2 18.2

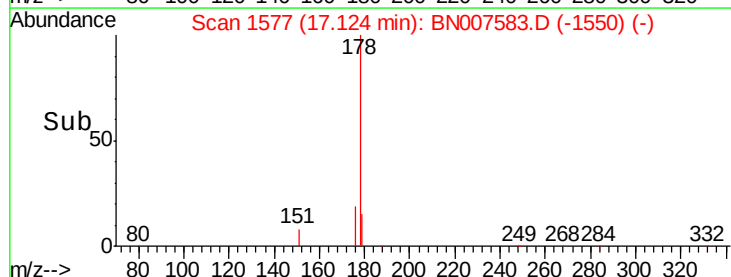
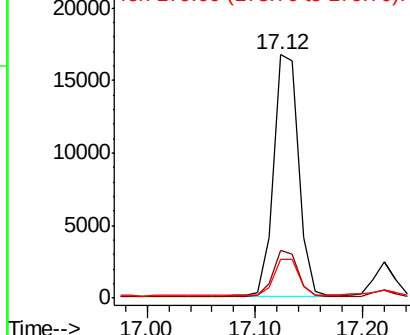


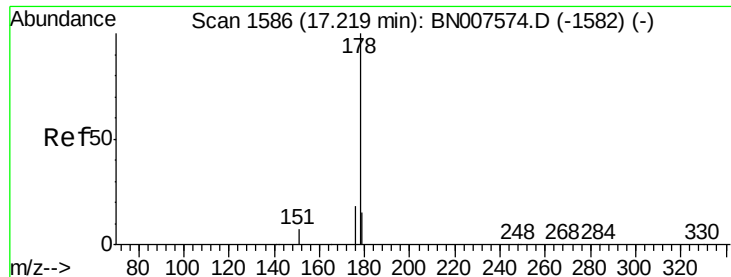
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.030 ng

RT: 17.22 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

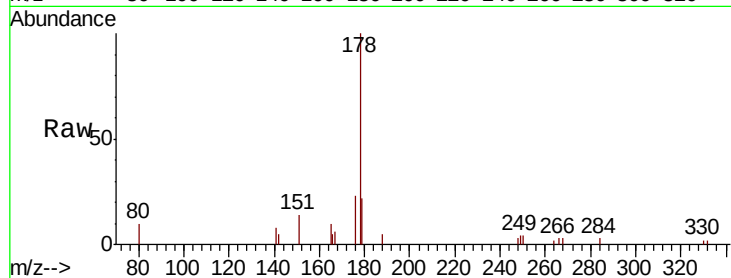
Tot Ion:178 Resp: 3082

Ion Ratio Lower Upper

178 100

176 18.8 14.4 21.6

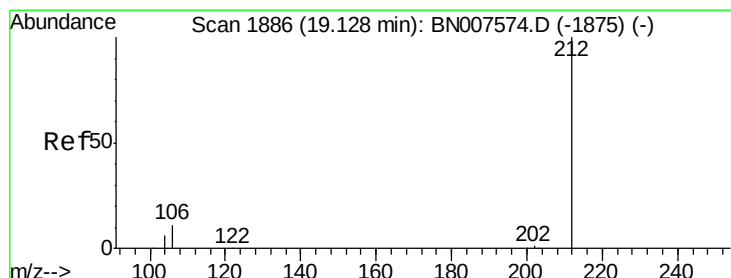
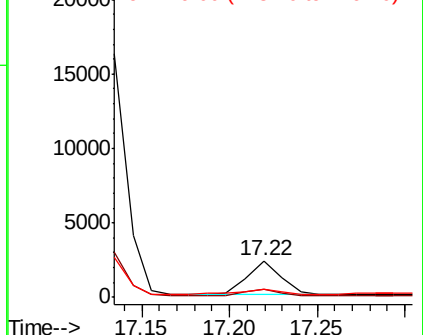
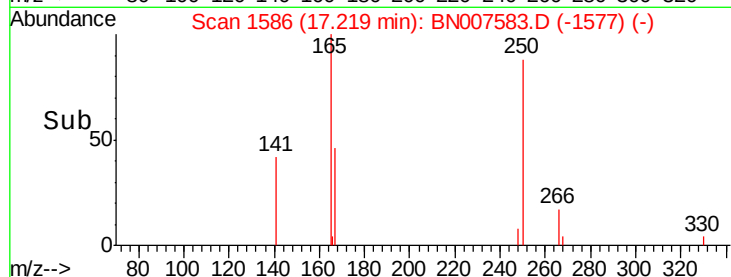
179 21.9 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

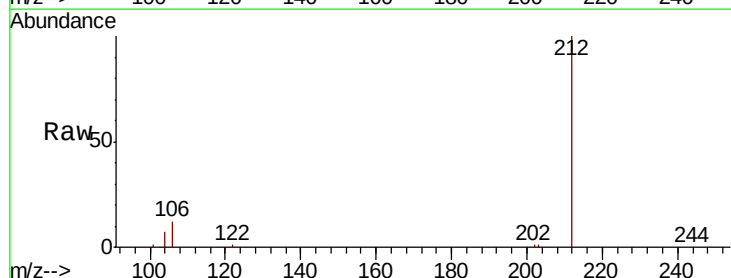
Tgt Ion:212 Resp: 43797

Ion Ratio Lower Upper

212 100

106 12.3 9.7 14.5

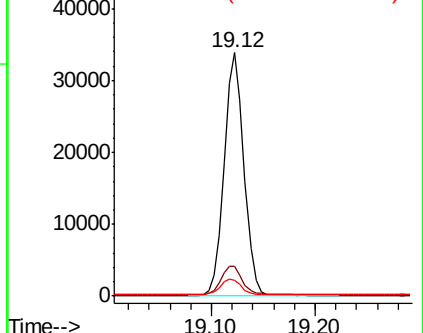
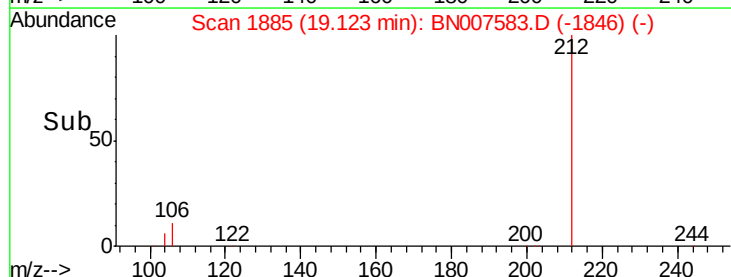
104 6.7 5.5 8.3

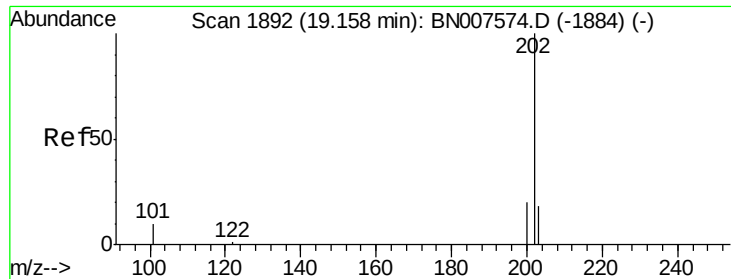


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

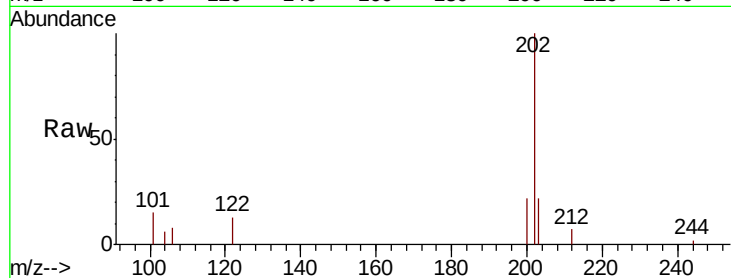




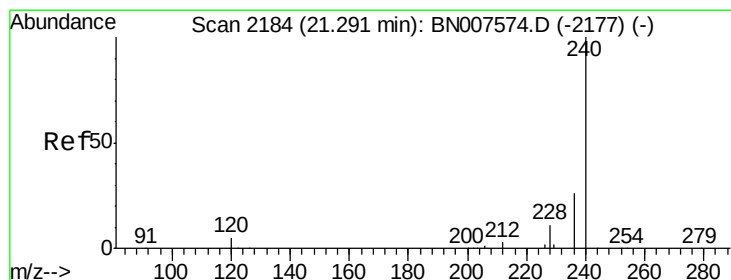
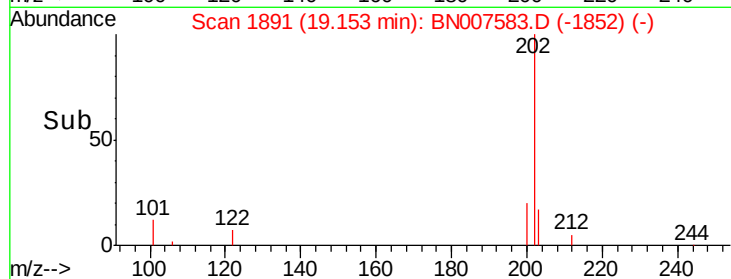
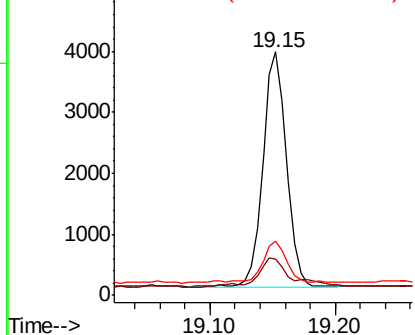
#26
Fluoranthene
Concen: 0.037 ng
RT: 19.15 min Scan# 1891
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 5025
Ion Ratio Lower Upper
202 100
101 17.5 8.8 13.2#
203 17.5 13.8 20.8

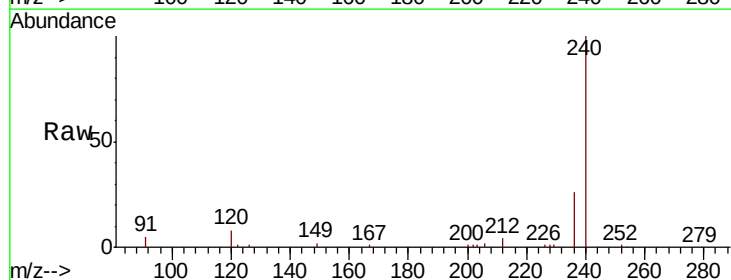


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

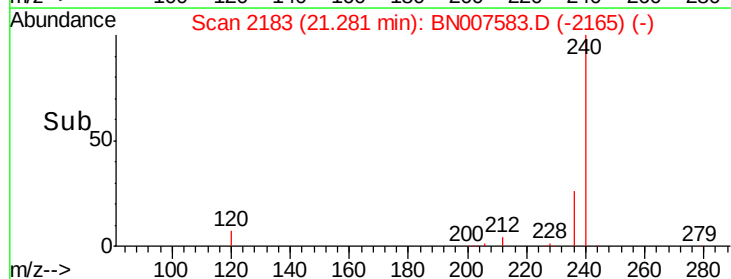
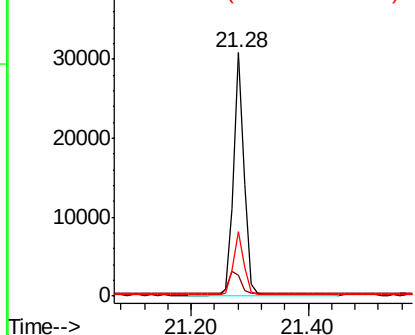


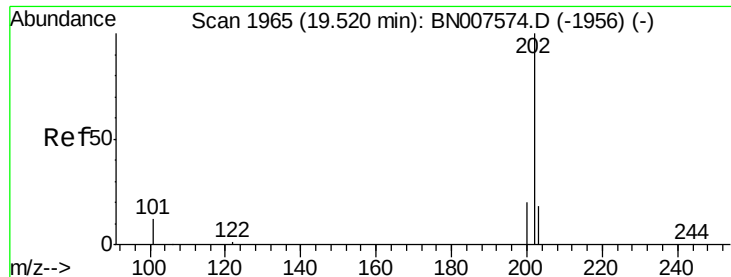
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Tgt Ion:240 Resp: 37357
Ion Ratio Lower Upper
240 100
120 8.5 5.0 7.4#
236 26.4 20.6 31.0



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

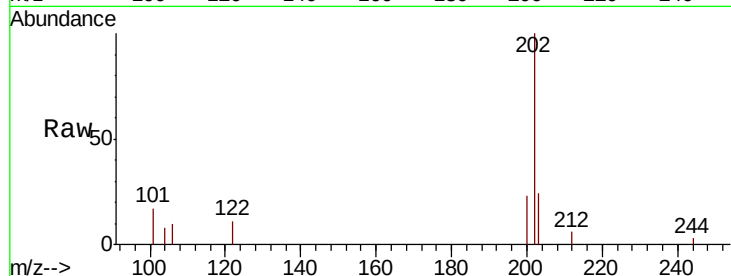




#28
Pvrene
Concen: 0.031 ng
RT: 19.51 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.3	24.5
203	22.3	14.1	21.1

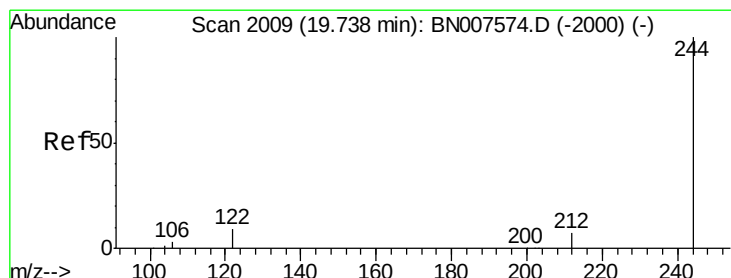
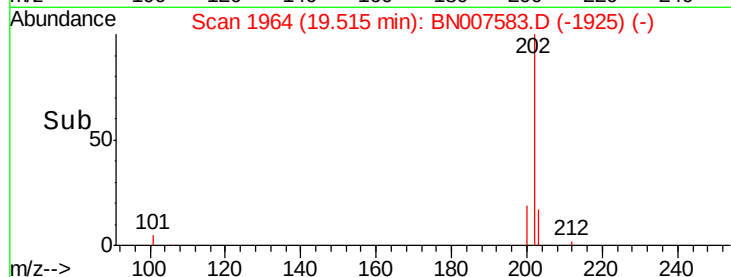
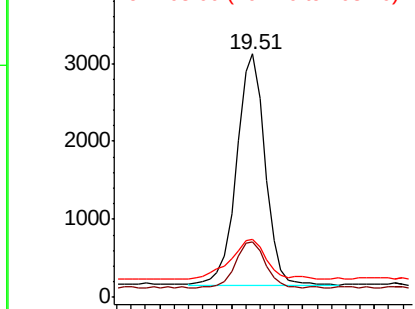


Abundance

Ion 202.00 (201.70 to 202.70): E

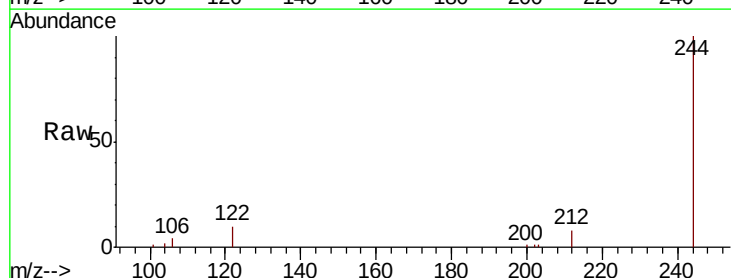
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.404 ng
RT: 19.73 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	9.9	7.8	11.6

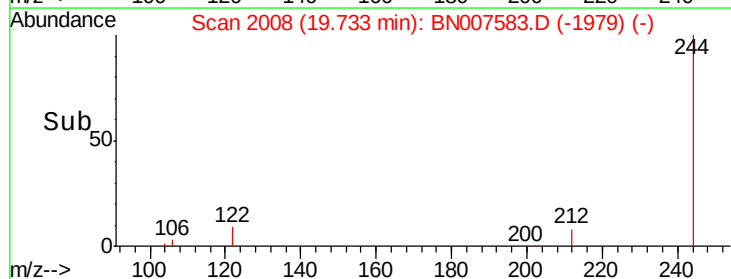
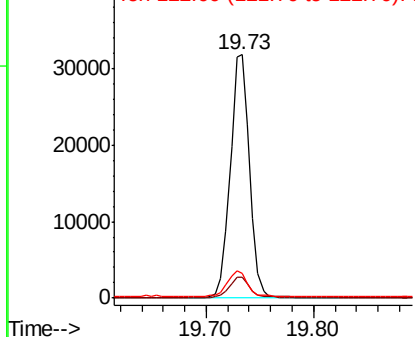


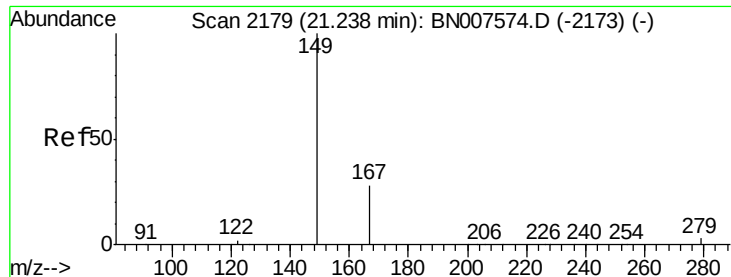
Abundance

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

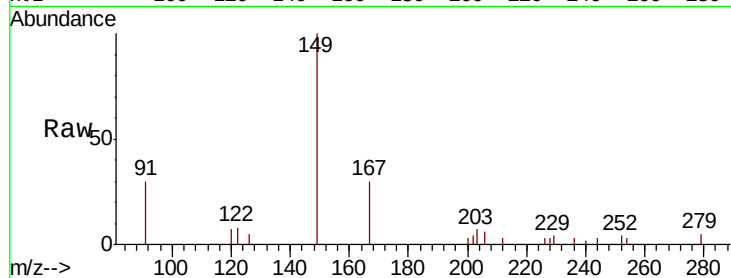




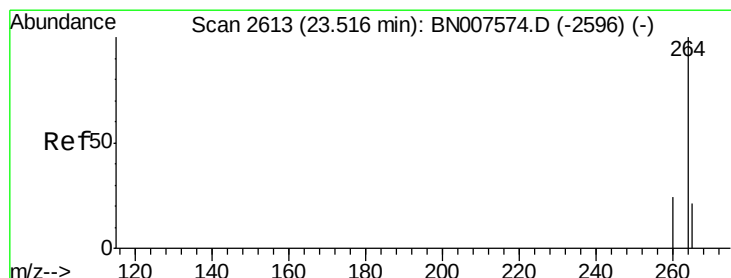
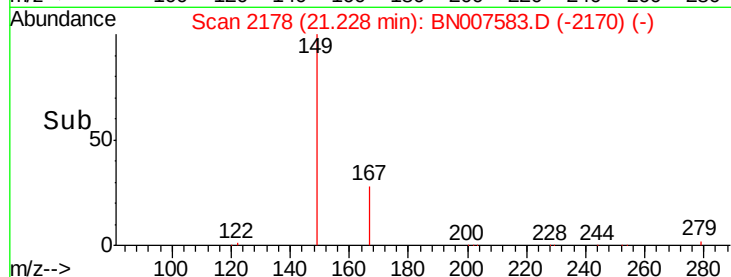
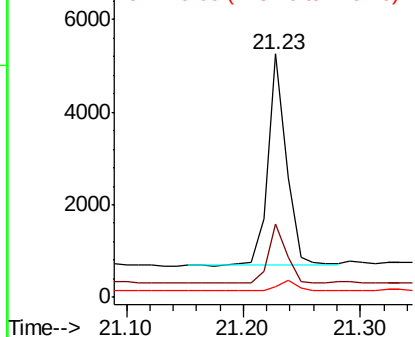
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.110 ng
 RT: 21.23 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:149 Resp: 5047
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.1 33.1
 279 5.6 3.9 5.9

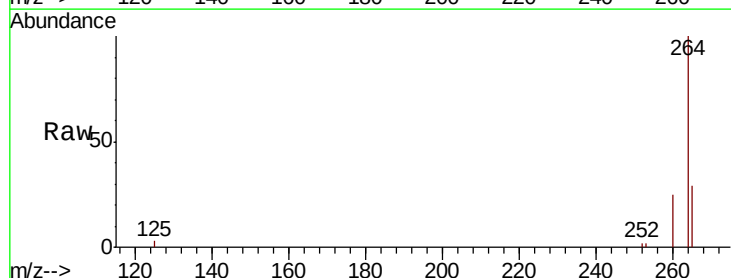


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.51 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Tgt Ion:264 Resp: 40305
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.3 28.9
 265 29.0 25.6 38.4



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

