

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007582.D
 Acq On : 10 Sep 2019 19:06
 Operator : HP/JU
 Sample : K4781-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 10 19:38:17 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	7.72	152	5562	0.40	ng	-0.02
7) Naphthalene-d8	10.49	136	23380	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	13693	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	33724	0.40	ng	0.00
27) Chrysene-d12	21.28	240	36823	0.40	ng	-0.01
34) Perylene-d12	23.51	264	40880	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	2725	0.16	ng	0.00
5) Phenol-d6	6.89	99	2469	0.11	ng	0.00
8) Nitrobenzene-d5	8.86	82	5934	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	14060	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	1928	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	21400	0.38	ng	-0.01
25) Fluoranthene-d10	19.12	212	39666	0.36	ng	0.00
29) Terphenyl-d14	19.73	244	33883	0.35	ng	0.00

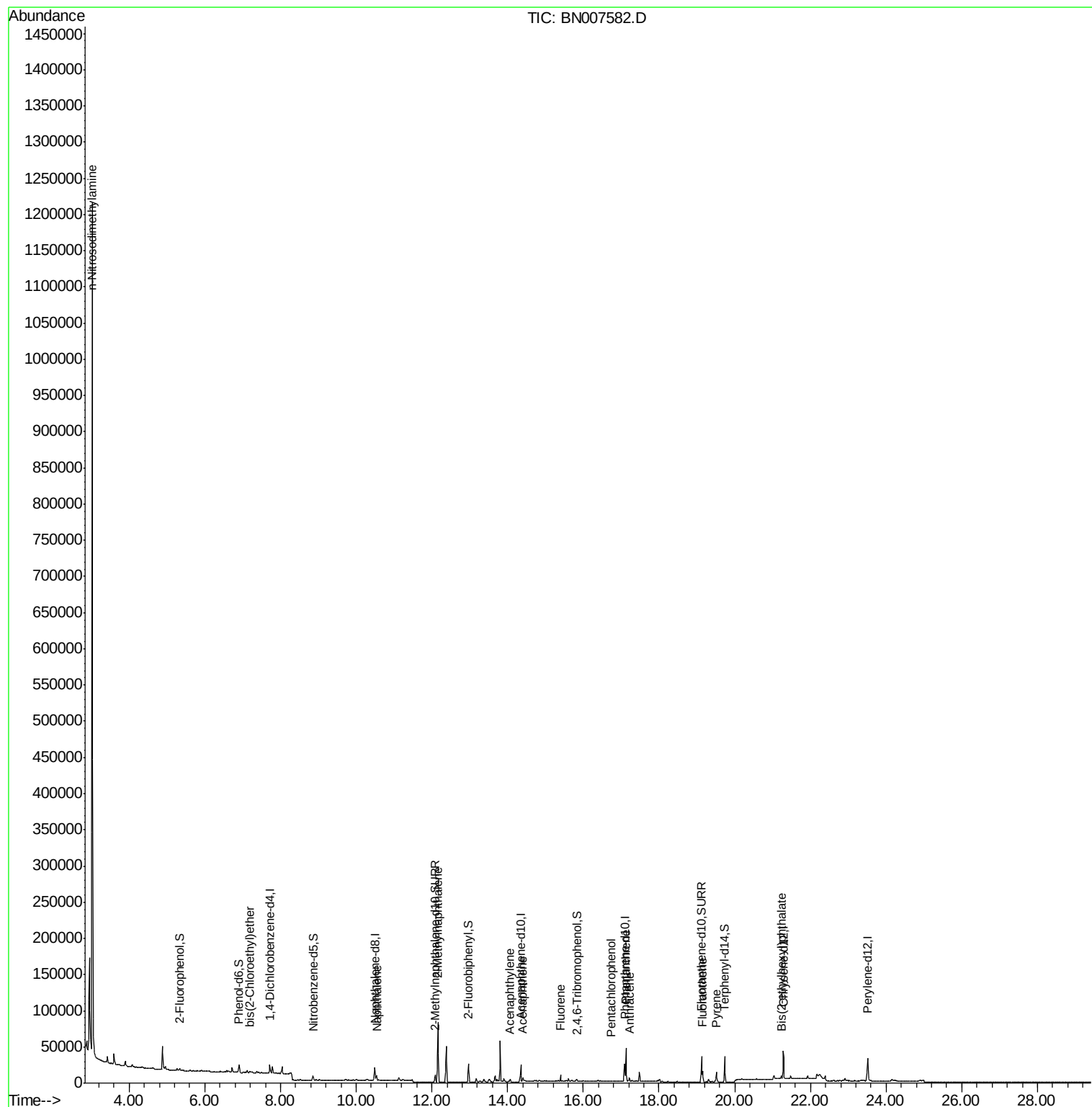
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.02	42	103269	31.081	ng	# 100
6) bis(2-Chloroethyl)ether	7.18	93	436	0.239	ng	# 23
9) Naphthalene	10.54	128	8296	0.126	ng	97
12) 2-Methylnaphthalene	12.16	142	58700	1.273	ng	99
16) Acenaphthylene	14.06	152	1905	0.026	ng	# 74
17) Acenaphthene	14.40	154	2424	0.052	ng	# 81
18) Fluorene	15.39	166	5541	0.091	ng	# 97
22) Pentachlorophenol	16.74	266	32	0.208	ng	# 65
23) Phenanthrene	17.12	178	49902	0.479	ng	99
24) Anthracene	17.22	178	4786	0.050	ng	# 81
26) Fluoranthene	19.15	202	12524	0.099	ng	# 95
28) Pyrene	19.52	202	11669	0.088	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.24	149	4365	0.097	ng	99

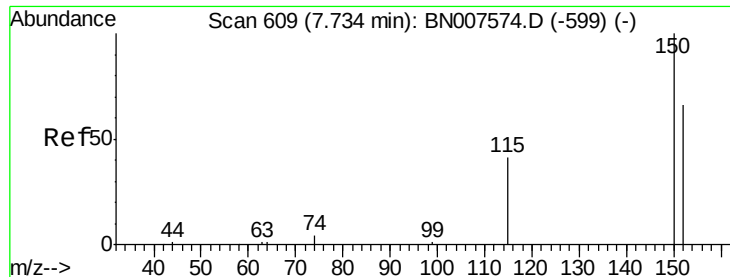
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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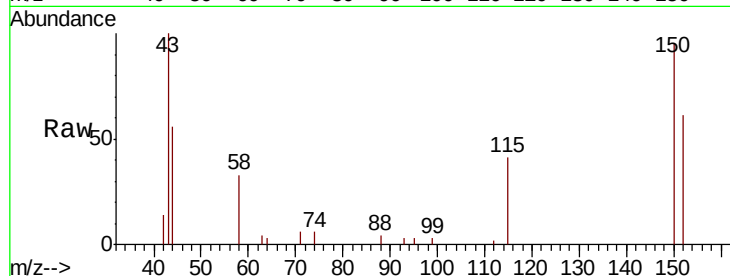


#1

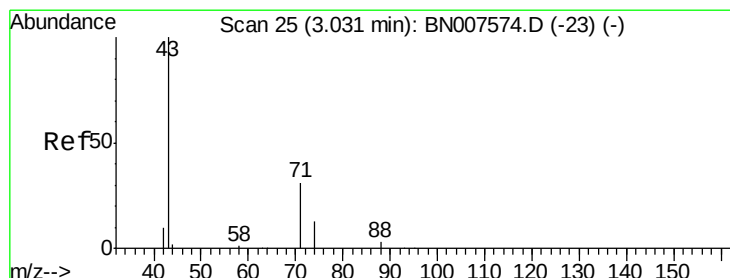
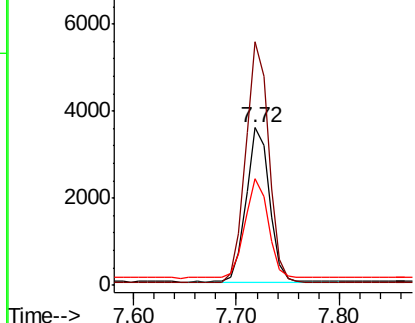
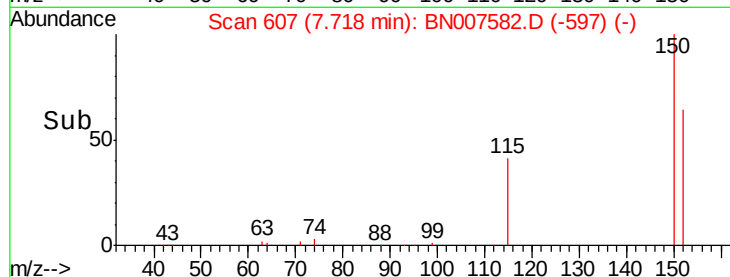
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 607
Delta R.T. -0.02 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5562
Ion Ratio Lower Upper
152 100
150 154.7 119.5 179.3
115 67.5 53.0 79.6



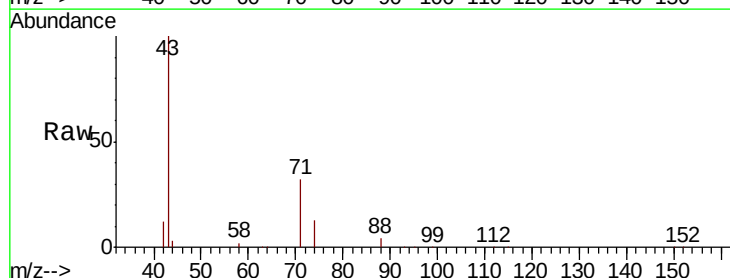
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



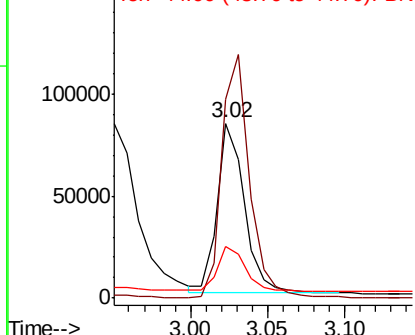
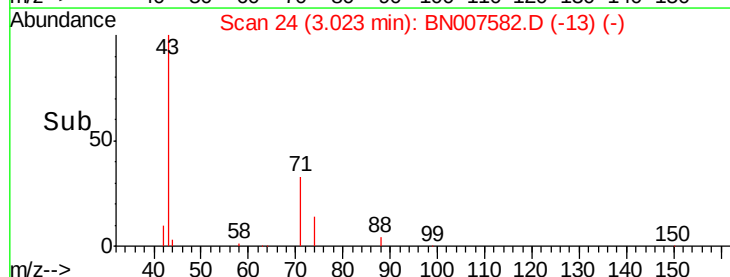
#3

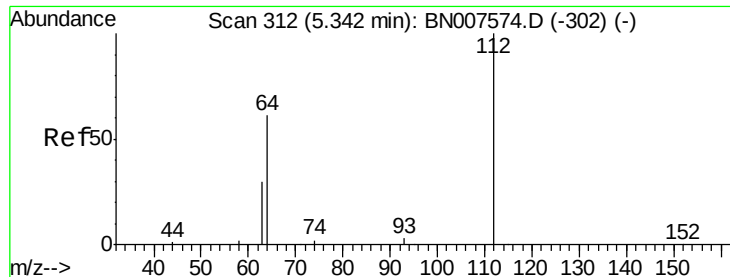
n-Nitrosodimethylamine
Concen: 31.081 ng
RT: 3.02 min Scan# 24
Delta R.T. -0.01 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

Tgt Ion: 42 Resp: 103269
Ion Ratio Lower Upper
42 100
74 143.8 0.0 0.0#
44 27.1 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: 0.161 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampled :

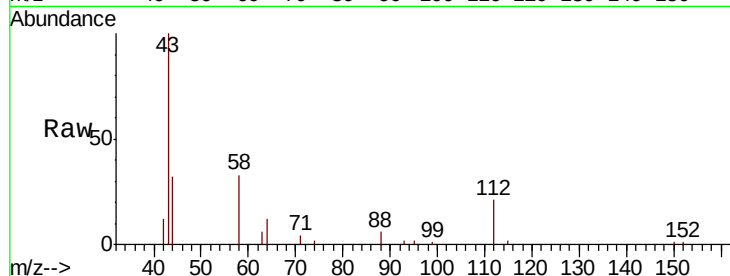
Tot Ion: 112 Resp: 2725

Ion Ratio Lower Upper

112 100

64 58.9 49.2 73.8

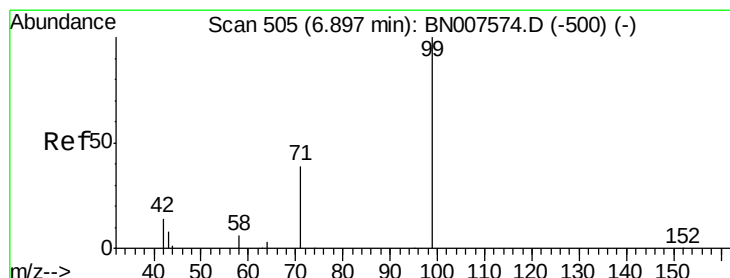
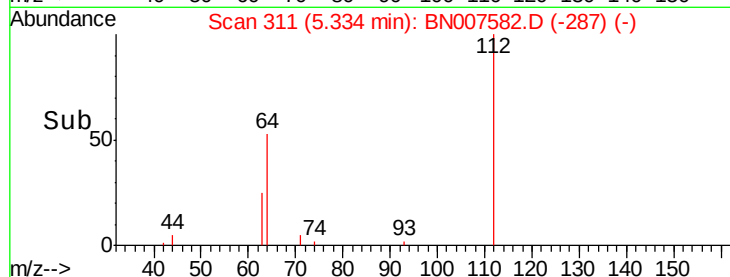
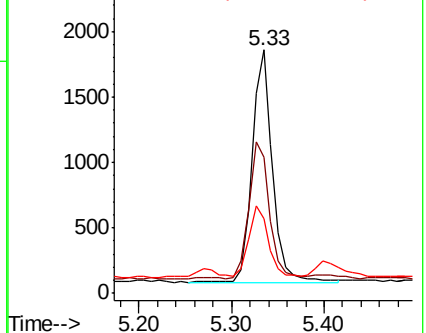
63 29.4 26.0 39.0



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: 0.107 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

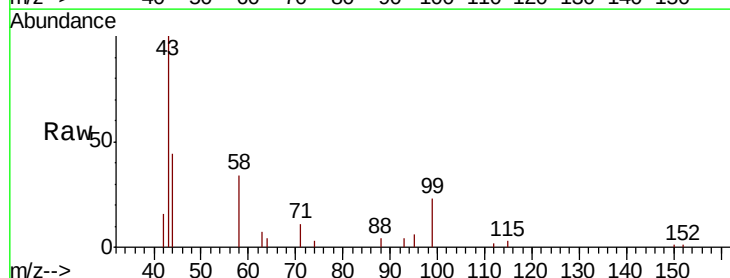
Tgt Ion: 99 Resp: 2469

Ion Ratio Lower Upper

99 100

42 0.0 11.8 17.8#

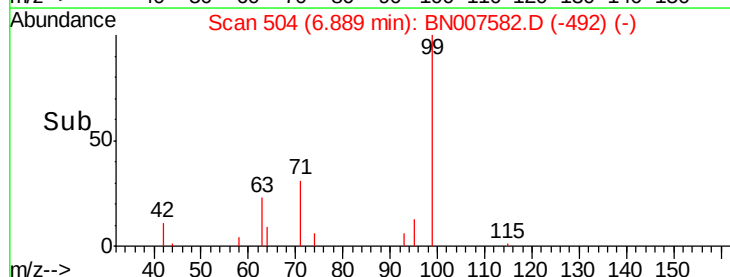
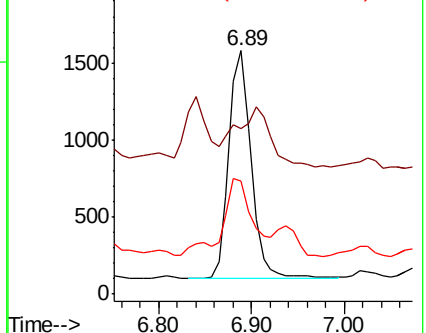
71 45.2 28.8 43.2#

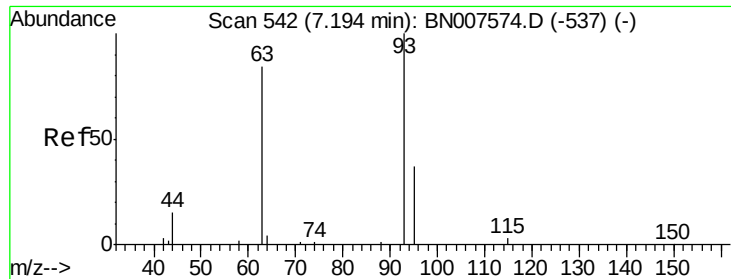


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#6

bis(2-Chloroethyl)ether

Concen: 0.239 ng

RT: 7.18 min Scan# 540

Delta R.T. -0.02 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

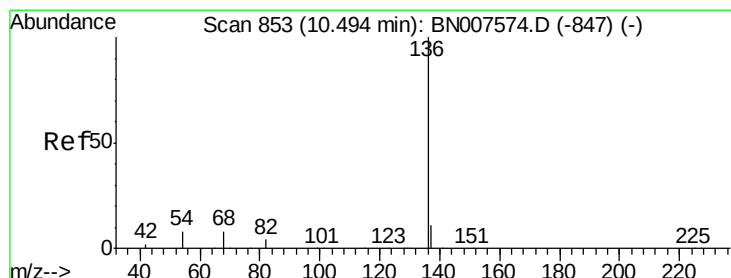
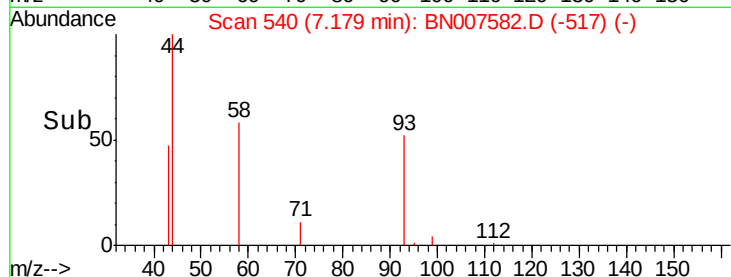
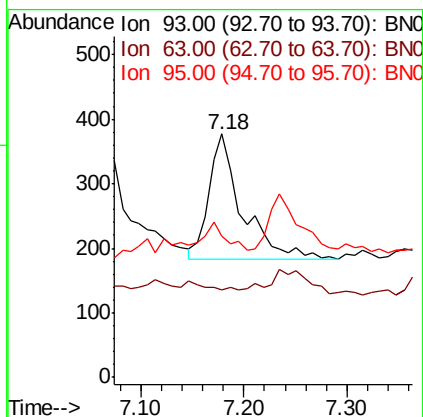
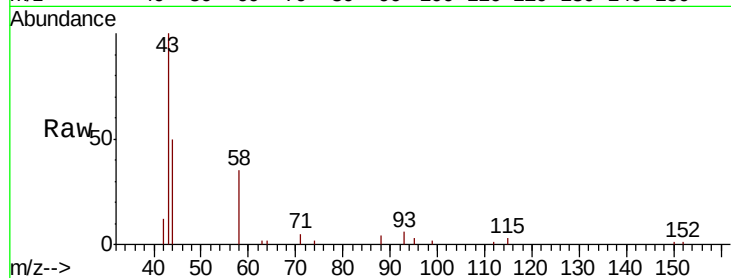
Tot Ion: 93 Resp: 436

Ion Ratio Lower Upper

93 100

63 0.0 69.8 104.6#

95 19.3 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: BN007582.D

Acq: 10 Sep 2019 19:06

Tgt Ion: 136 Resp: 23380

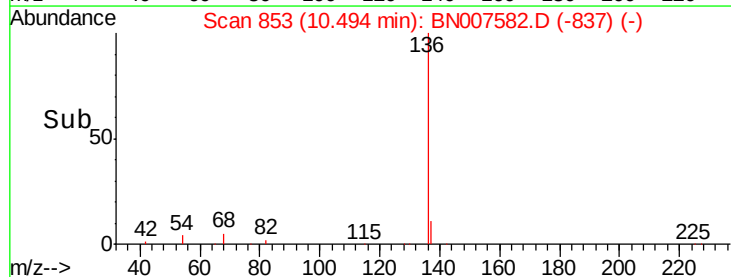
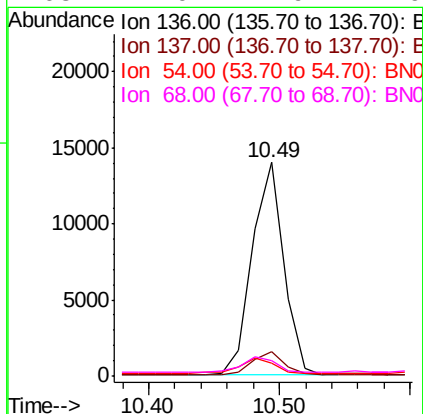
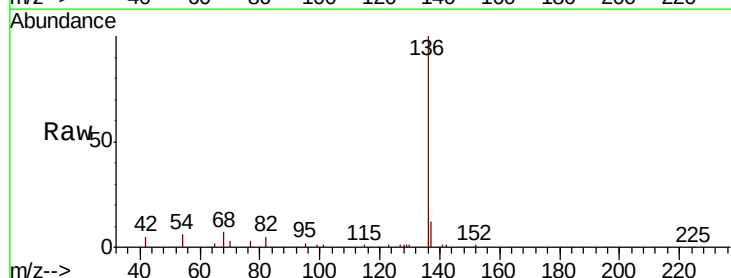
Ion Ratio Lower Upper

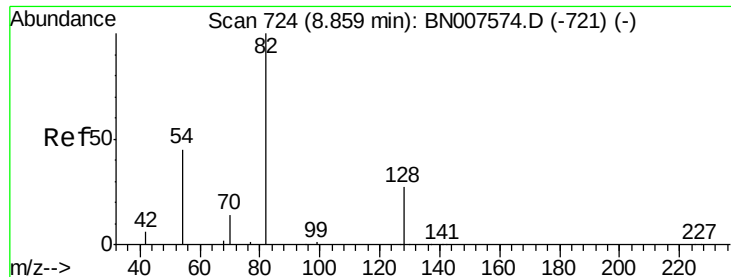
136 100

137 11.5 9.1 13.7

54 5.8 7.5 11.3#

68 7.0 7.9 11.9#

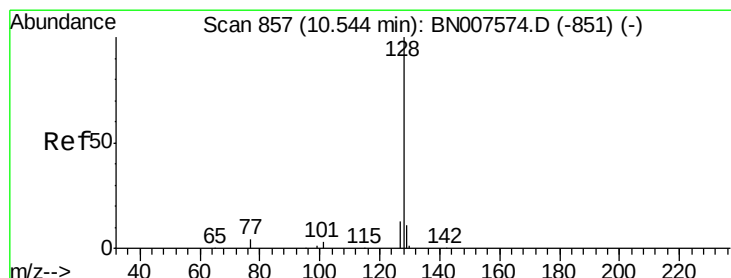
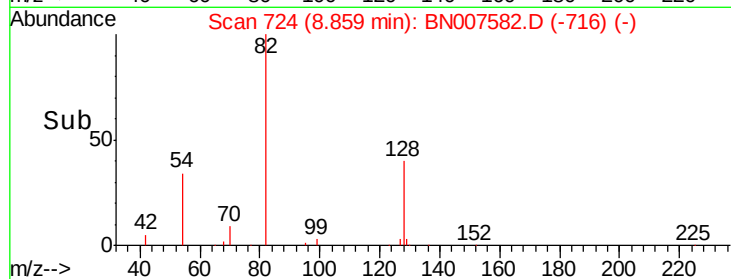
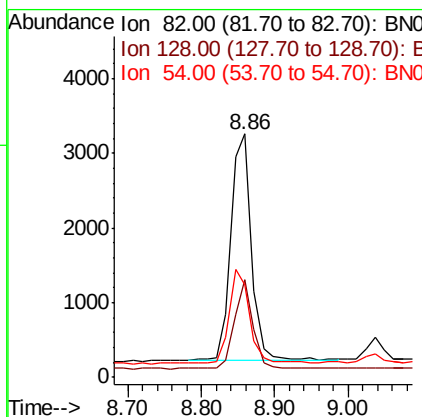
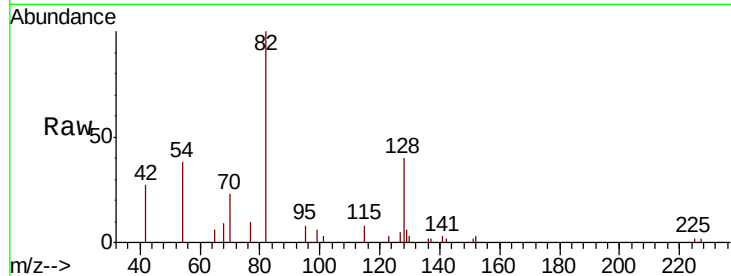




#8
 Nitrobenzene-d5
 Concen: 0.417 ng
 RT: 8.86 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: BN007582.D
 Acq: 10 Sep 2019 19:06

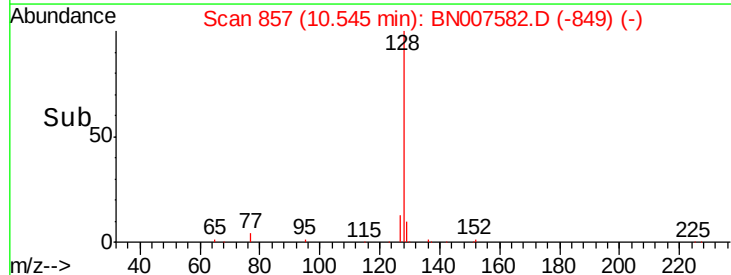
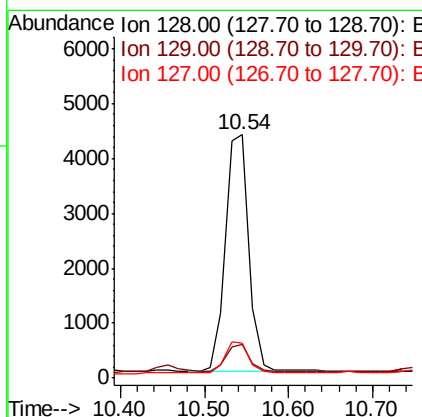
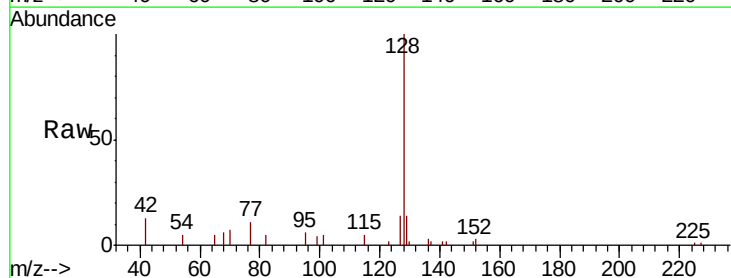
Instrument :
 BNA_N
 ClientSampleId :

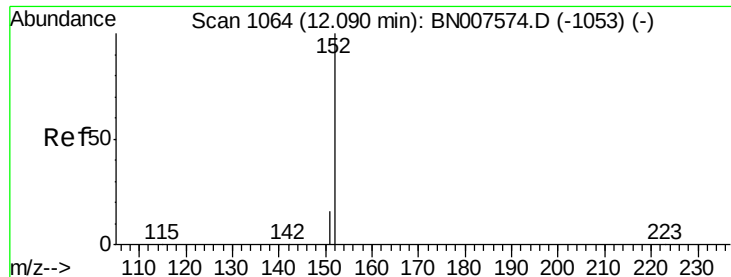
Tot Ion	82	Resp	5934
Ion Ratio	Lower	Upper	
82	100		
128	40.3	23.4	35.2#
54	37.9	38.2	57.2#



#9
 Naphthalene
 Concen: 0.126 ng
 RT: 10.54 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BN007582.D
 Acq: 10 Sep 2019 19:06

Tgt Ion	128	Resp	8296
Ion Ratio	Lower	Upper	
128	100		
129	13.7	9.3	13.9
127	14.4	11.0	16.4





#11

2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 12.09 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

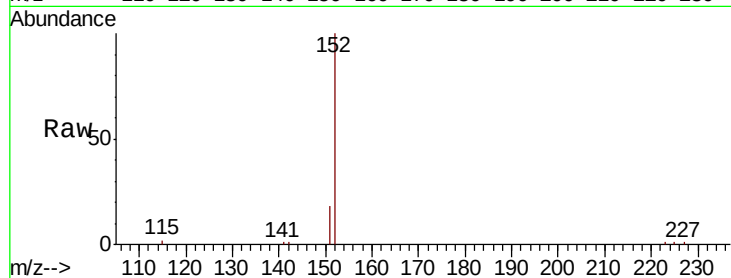
ClientSampleId :

Tot Ion:152 Resp: 14060

Ion Ratio Lower Upper

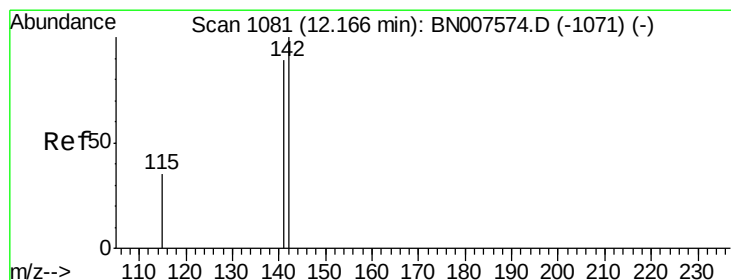
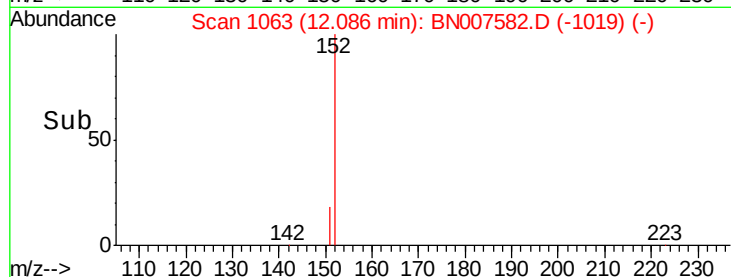
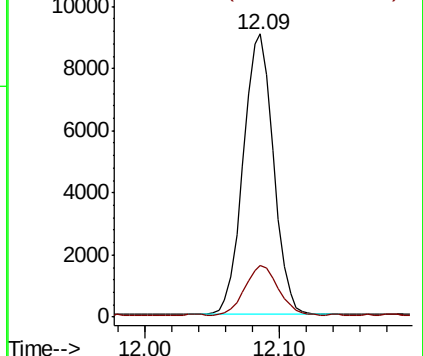
152 100

151 19.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.273 ng

RT: 12.16 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

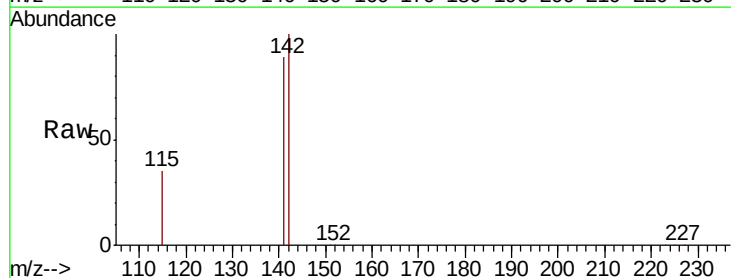
Tgt Ion:142 Resp: 58700

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6

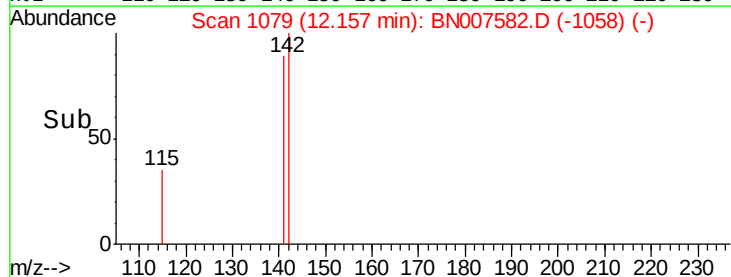
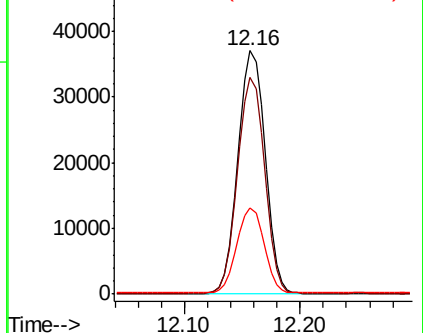
115 35.5 29.1 43.7

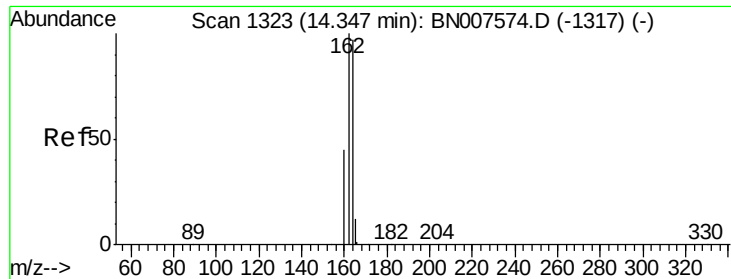


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

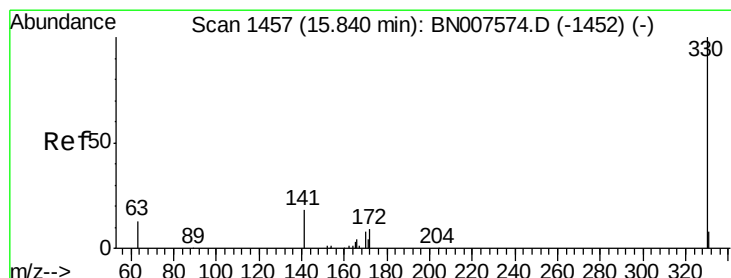
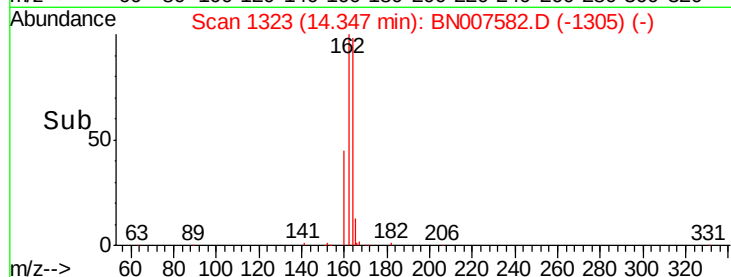
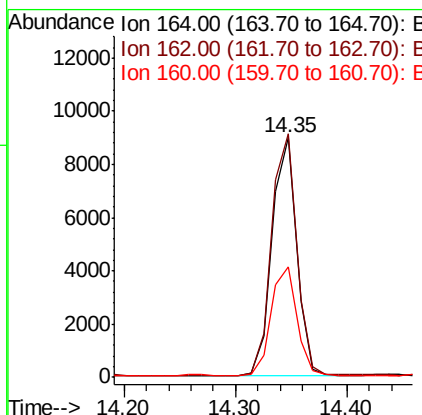
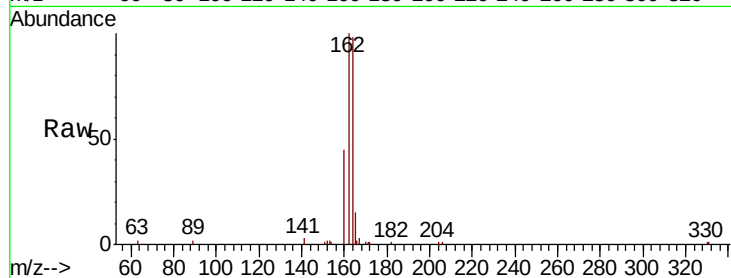




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

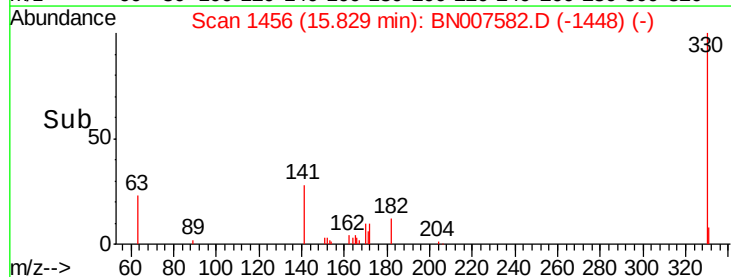
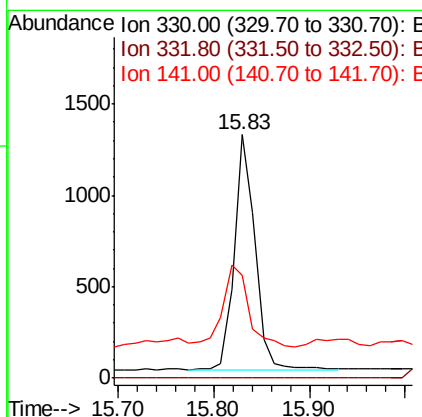
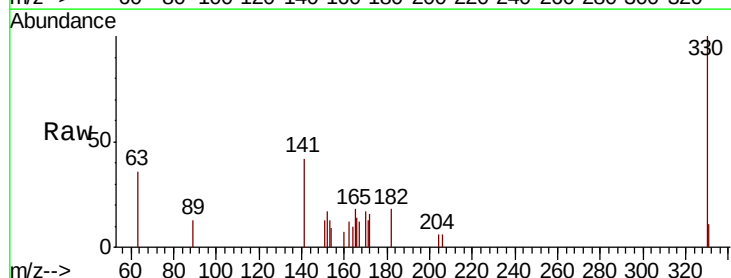
Instrument :
BNA_N
ClientSampleId :

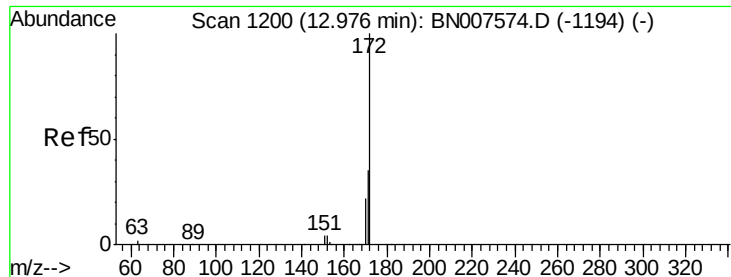
Tot Ion:164 Resp: 13693
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.2
160 45.9 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

Tgt Ion:330 Resp: 1928
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 43.4 30.6 45.8

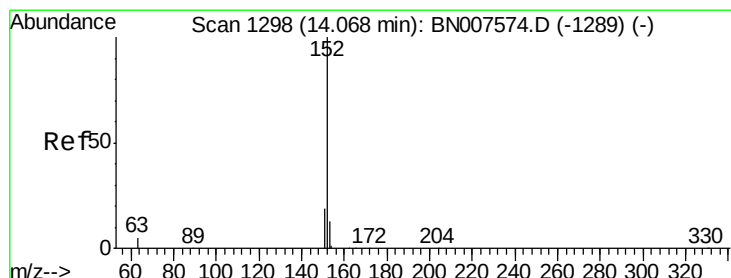
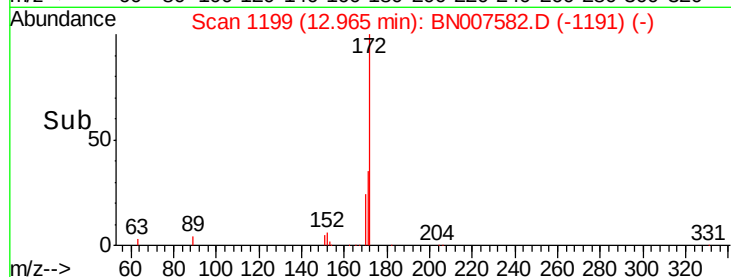
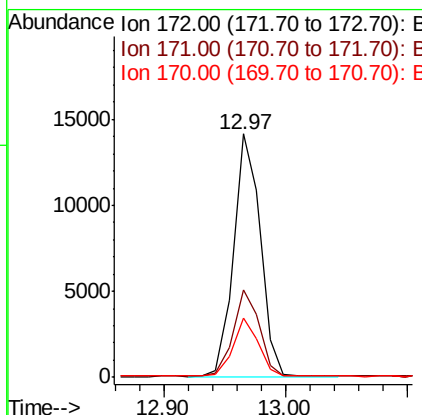
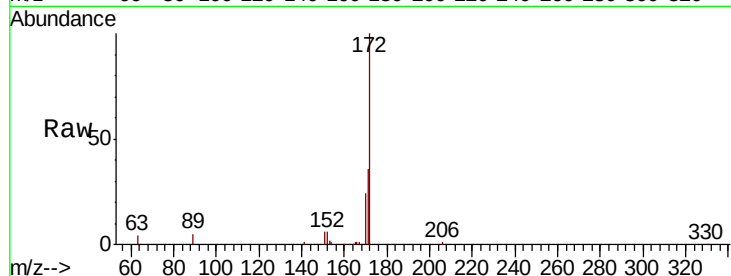




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

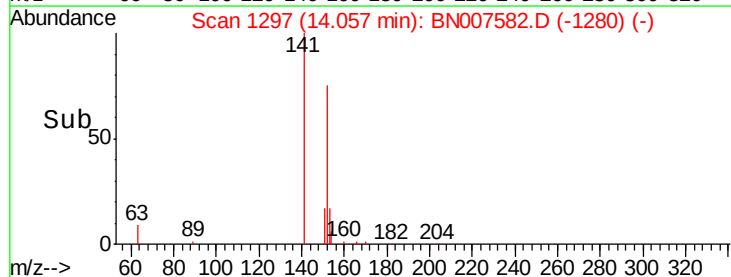
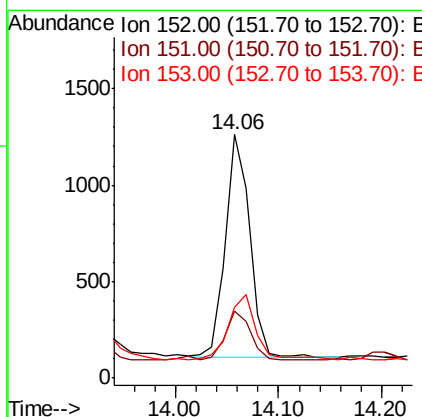
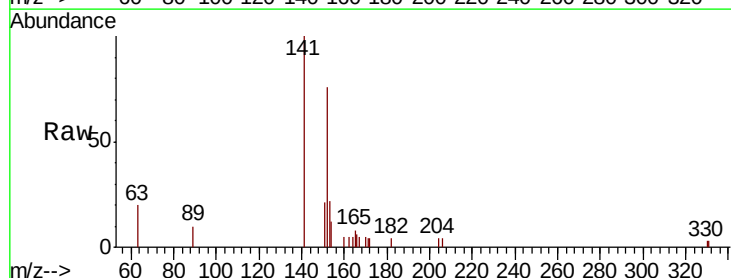
Instrument :
BNA_N
ClientSampleId :

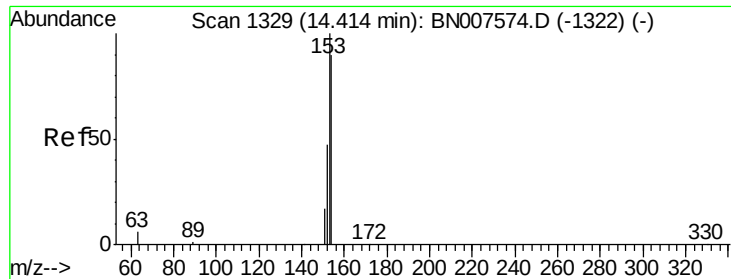
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	24.1	18.3	27.5



#16
Acenaphthylene
Concen: 0.026 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BN007582.D
Acq: 10 Sep 2019 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.2	15.8	23.6#
153	33.4	10.4	15.6#





#17

Acenaphthene

Concen: 0.052 ng

RT: 14.40 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampled :

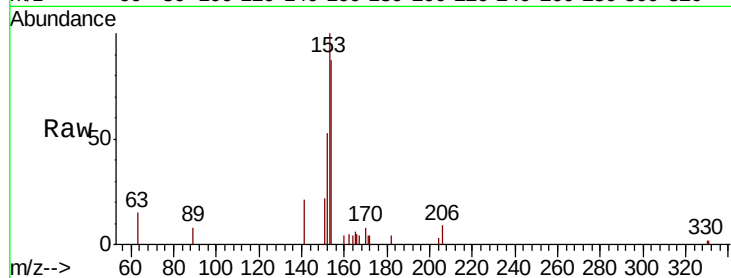
Tot Ion:154 Resp: 2424

Ion Ratio Lower Upper

154 100

153 127.5 89.4 134.2

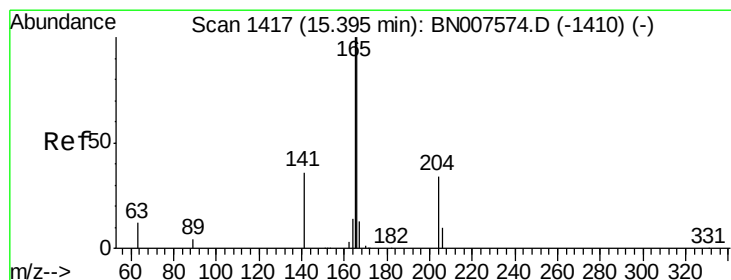
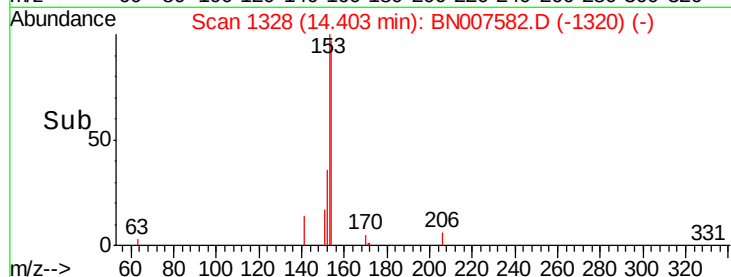
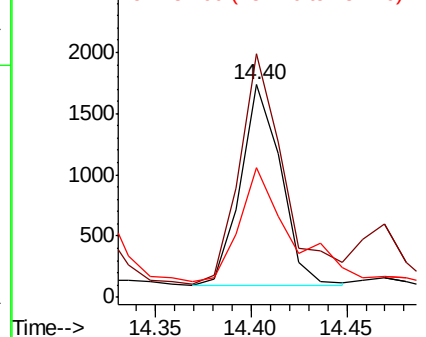
152 74.4 43.4 65.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.091 ng

RT: 15.39 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

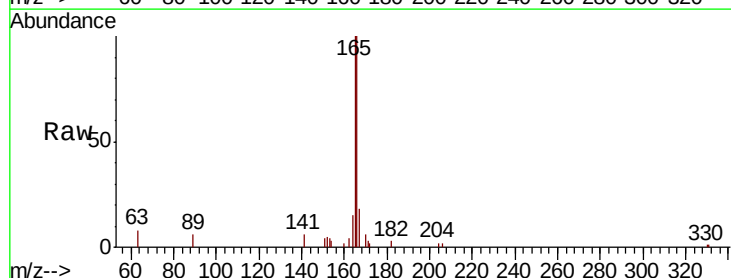
Tgt Ion:166 Resp: 5541

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

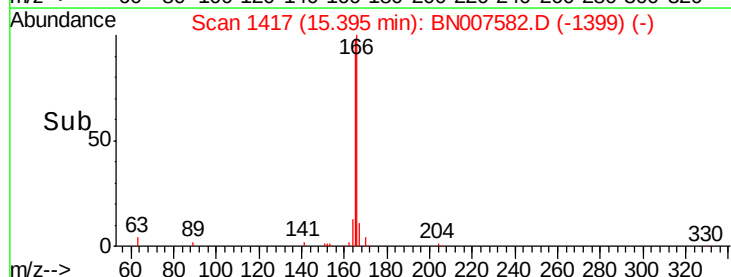
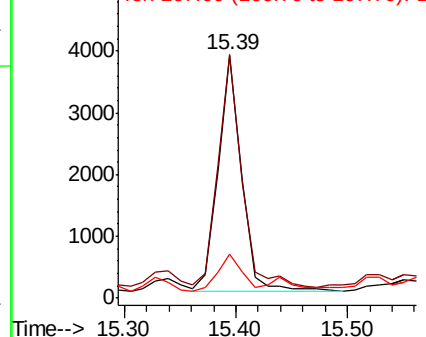
167 17.0 11.0 16.4#

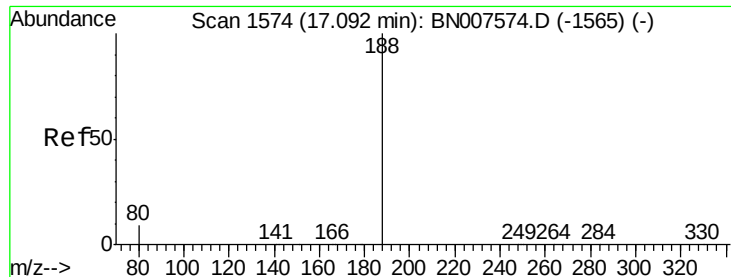


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

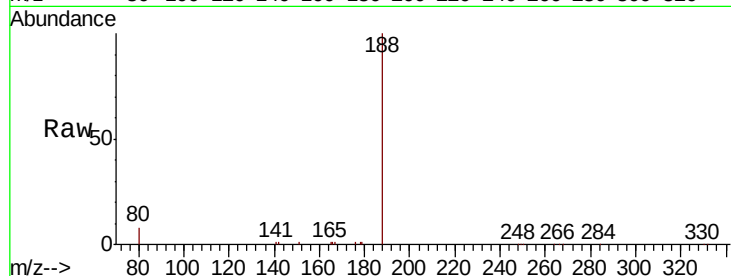
Tot Ion:188 Resp: 33724

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

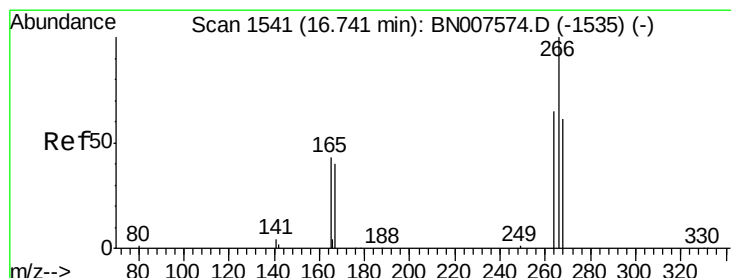
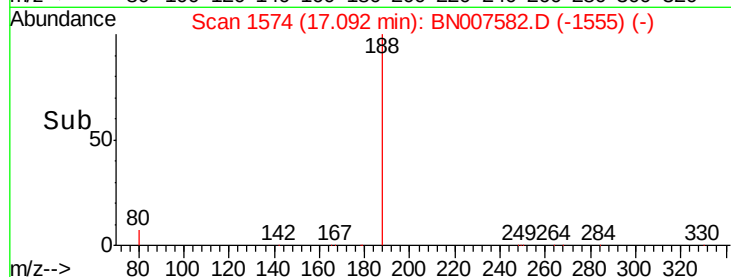
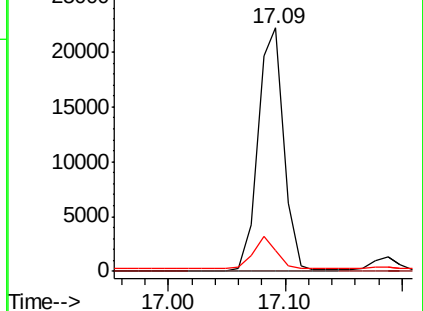
80 8.3 8.1 12.1



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: 0.208 ng

RT: 16.74 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

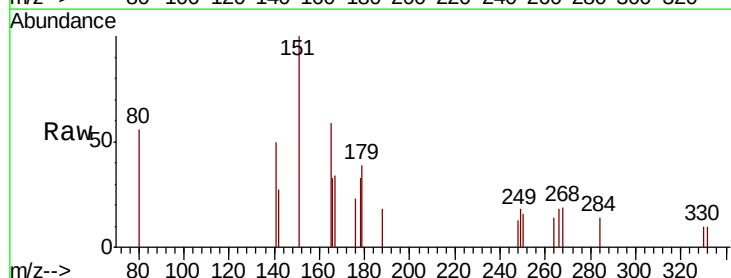
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

264 80.0 52.0 78.0#

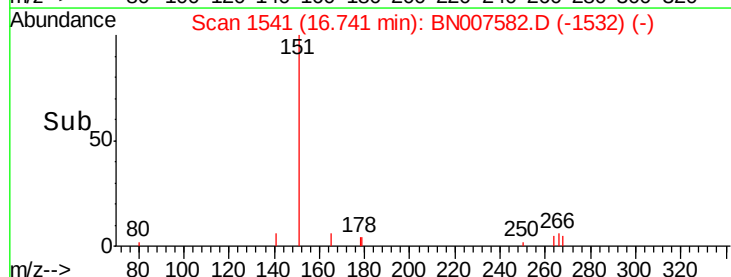
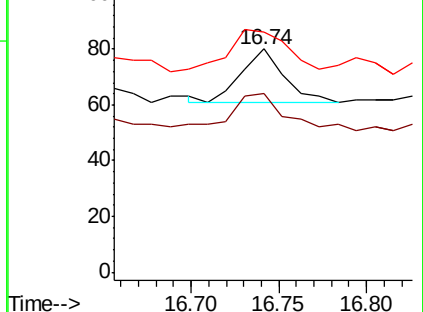
268 107.5 53.5 80.3#

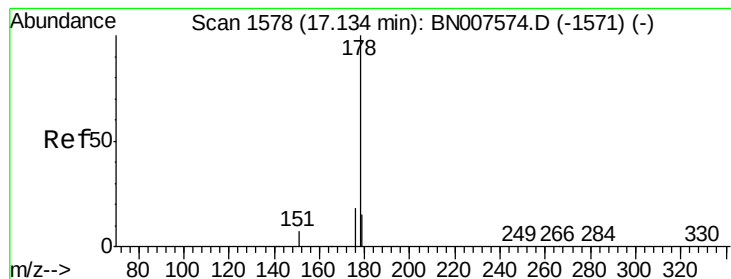


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.479 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

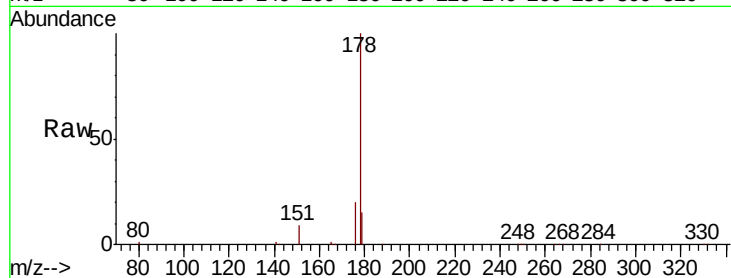
Tot Ion:178 Resp: 49902

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

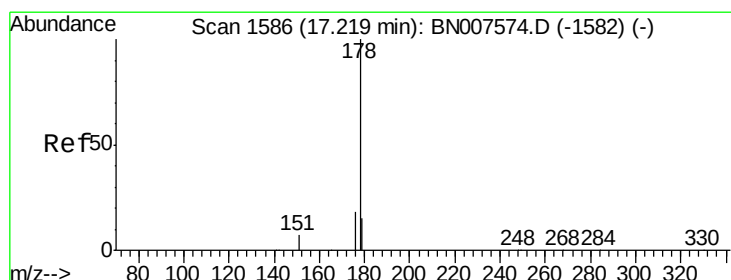
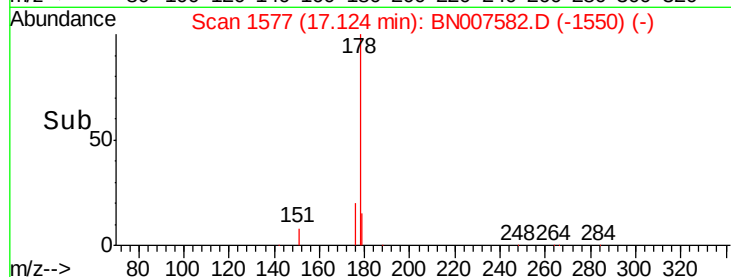
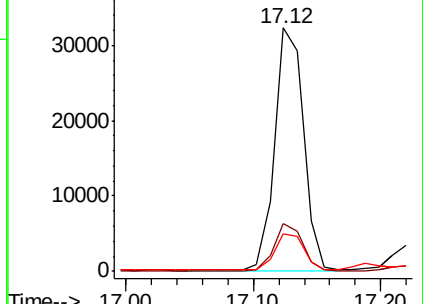
179 15.6 12.2 18.2



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: 0.050 ng

RT: 17.22 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

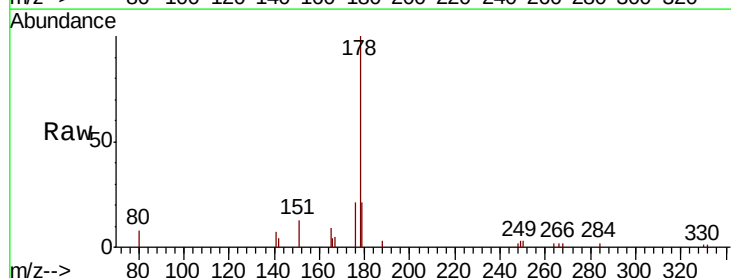
Tgt Ion:178 Resp: 4786

Ion Ratio Lower Upper

178 100

176 19.5 14.4 21.6

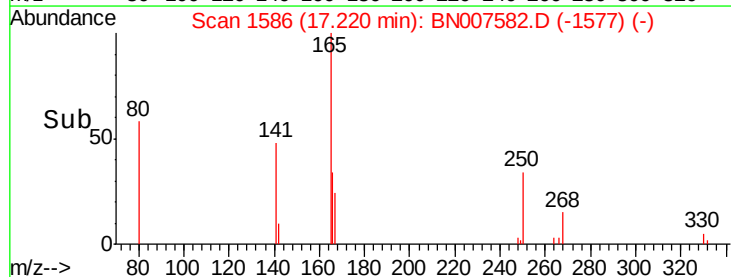
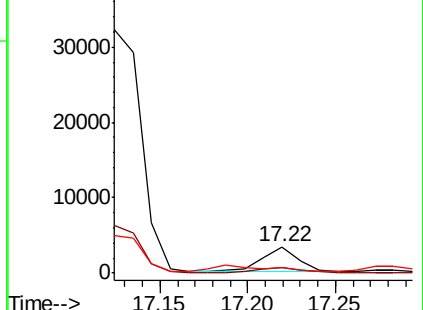
179 0.0 12.5 18.7#

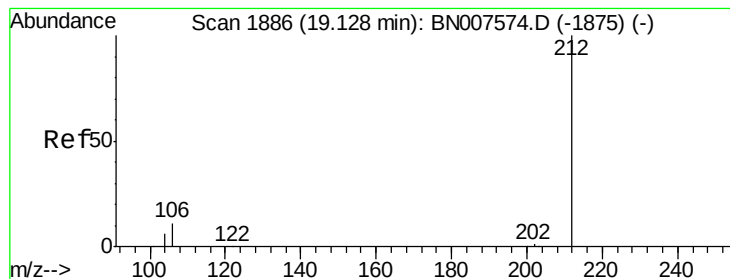


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

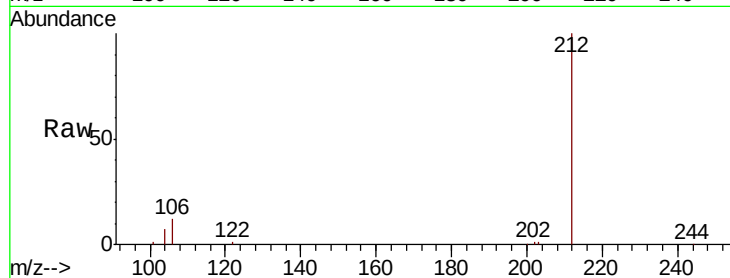
Tot Ion:212 Resp: 39666

Ion Ratio Lower Upper

212 100

106 12.6 9.7 14.5

104 7.1 5.5 8.3

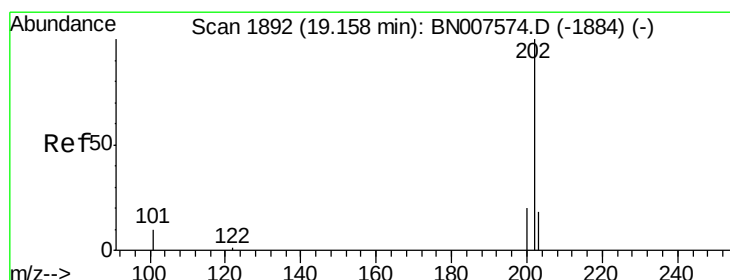
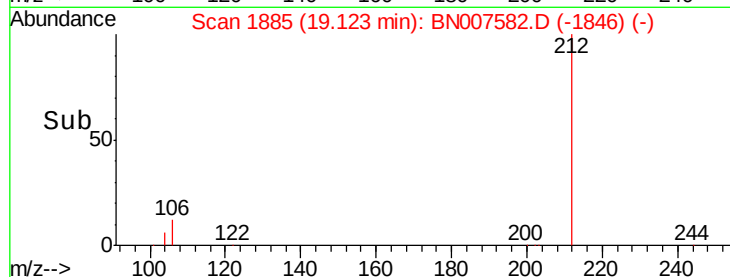
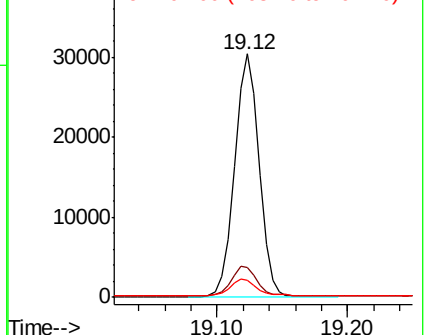


Abundance

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: 0.099 ng

RT: 19.15 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

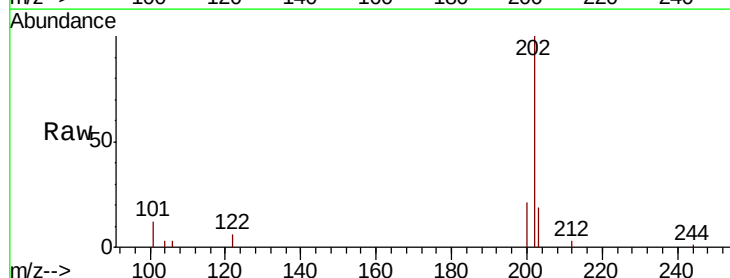
Tgt Ion:202 Resp: 12524

Ion Ratio Lower Upper

202 100

101 15.5 8.8 13.2#

203 17.3 13.8 20.8

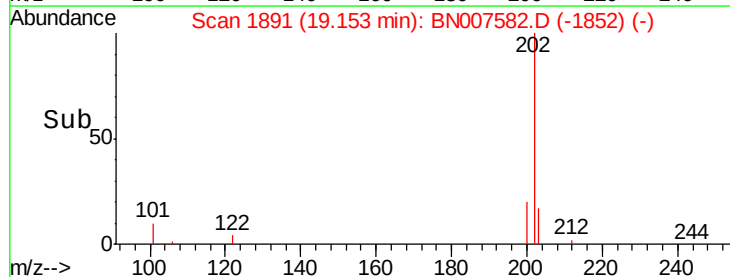
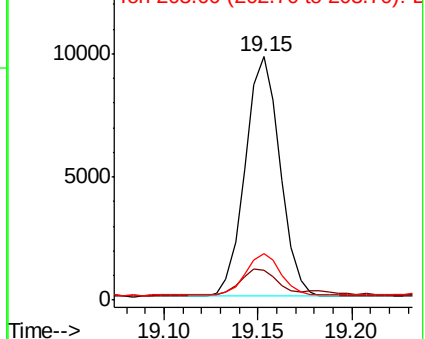


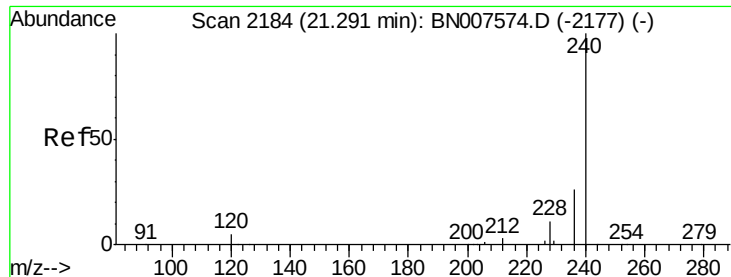
Abundance

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: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

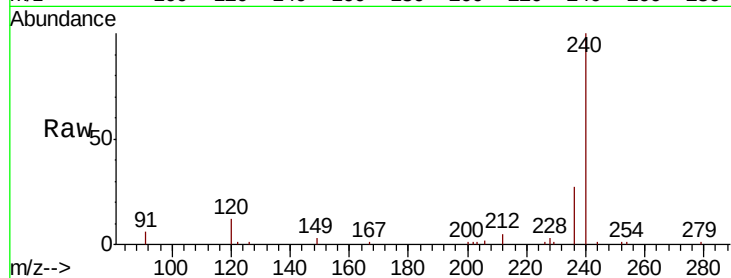
Tot Ion:240 Resp: 36823

Ion Ratio Lower Upper

240 100

120 12.1 5.0 7.4#

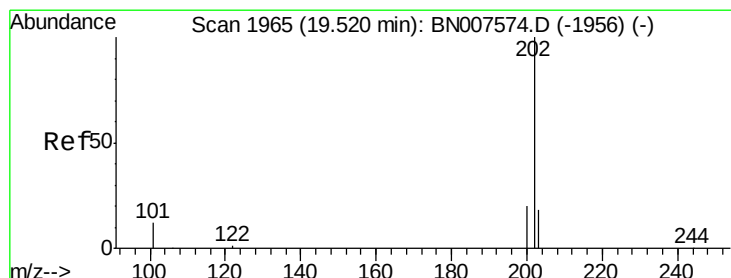
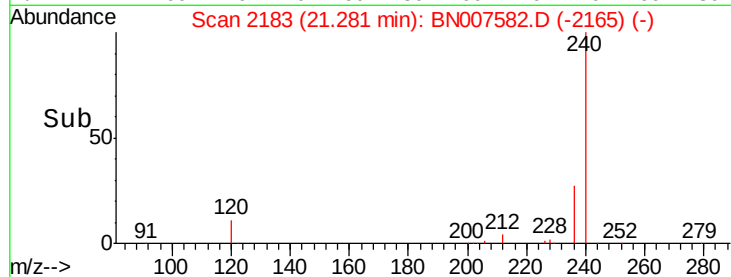
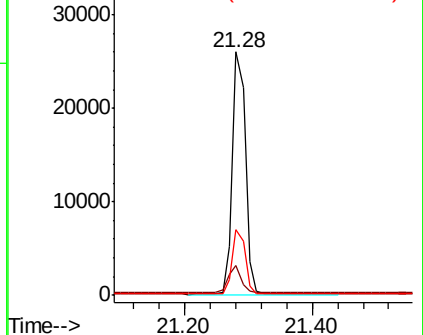
236 27.2 20.6 31.0



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

Pyrene

Concen: 0.088 ng

RT: 19.52 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

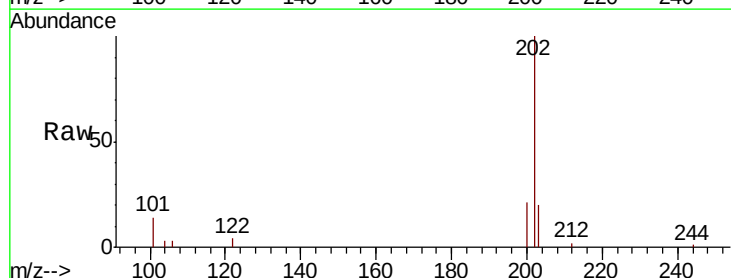
Tgt Ion:202 Resp: 11669

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

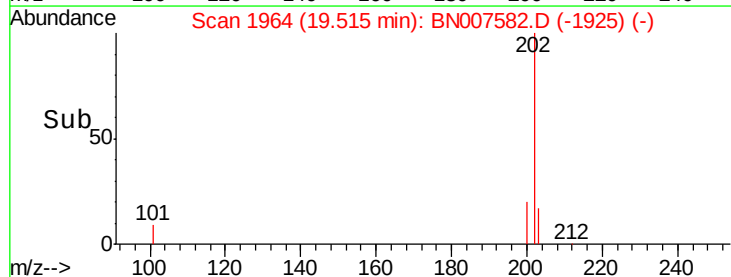
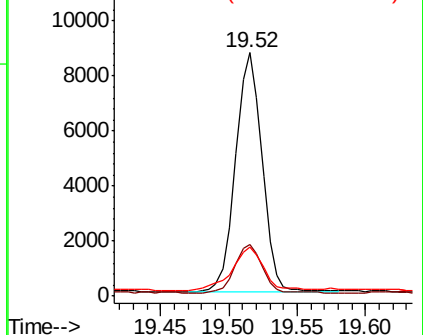
203 21.4 14.1 21.1#

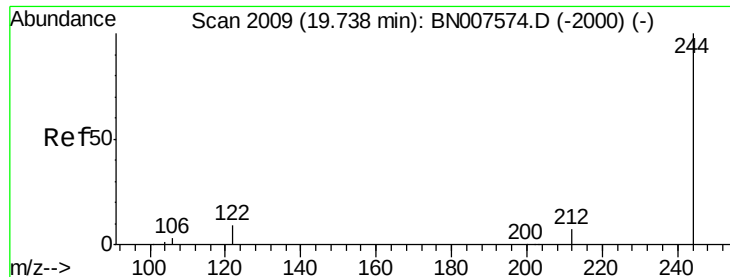


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.73 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

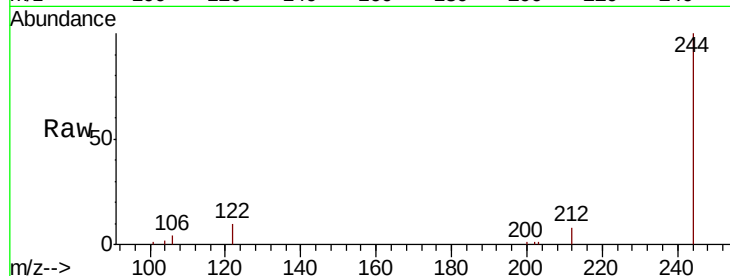
Tot Ion:244 Resp: 33883

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

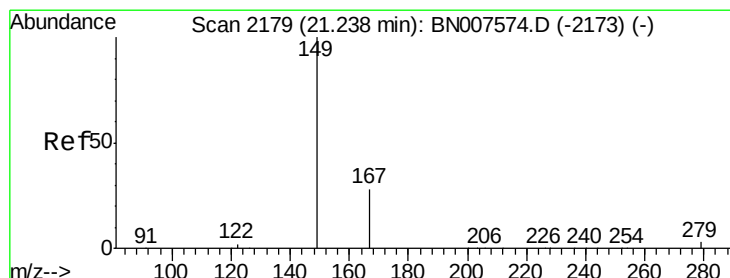
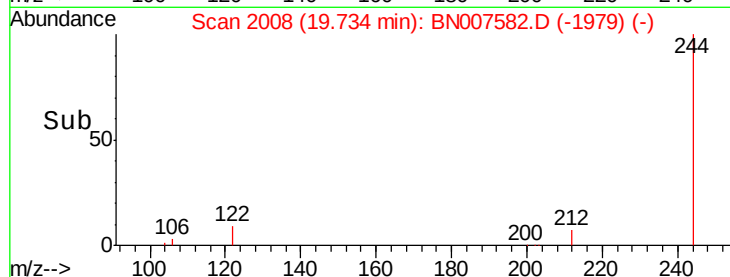
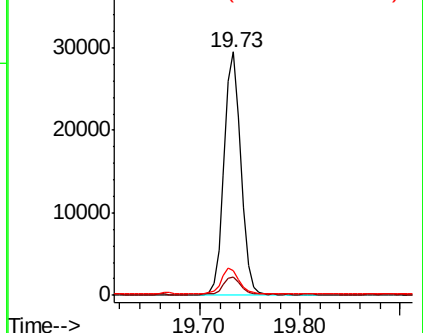
122 10.0 7.8 11.6



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: 0.097 ng

RT: 21.24 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

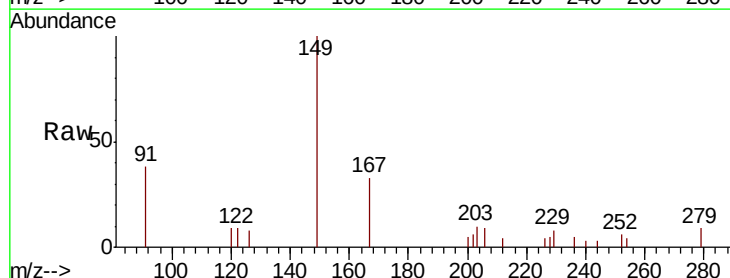
Tgt Ion:149 Resp: 4365

Ion Ratio Lower Upper

149 100

167 26.9 22.1 33.1

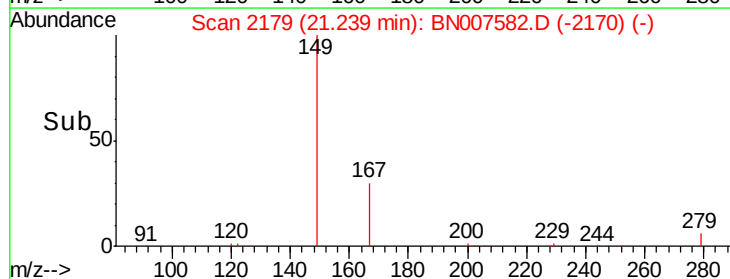
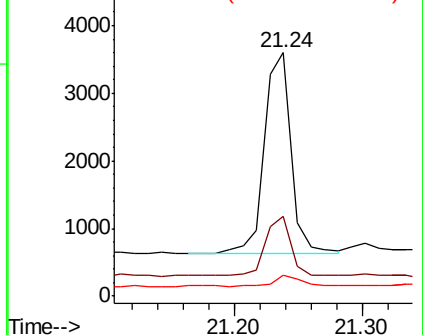
279 5.8 3.9 5.9

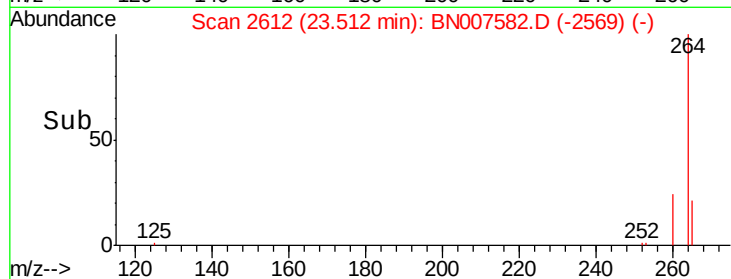
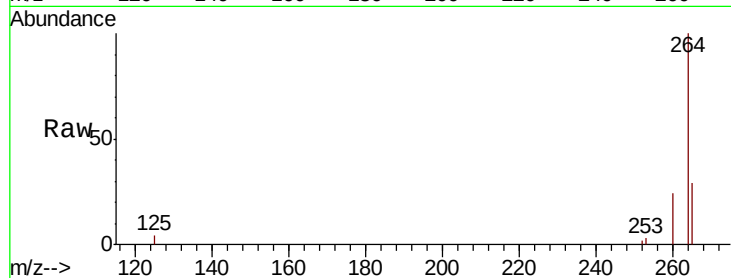
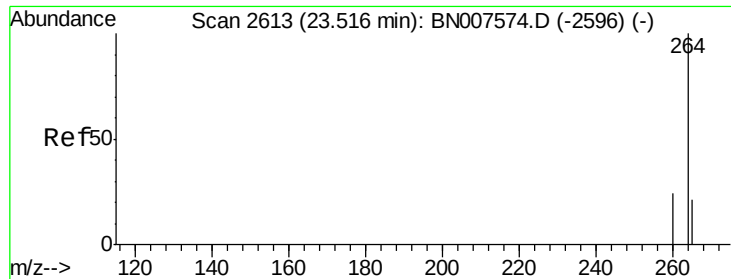


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.51 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BN007582.D

Acq: 10 Sep 2019 19:06

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 40880

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 28.8 25.6 38.4

