

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\
 Data File : BN007707.D
 Acq On : 18 Sep 2019 16:00
 Operator : HP/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 18 16:47:52 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 16:39:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	5490	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	22129	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	12783	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	31017	0.40	ng	0.00
27) Chrysene-d12	21.27	240	35564	0.40	ng	0.00
34) Perylene-d12	23.49	264	39583	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.32	112	13117	0.78	ng	0.00
5) Phenol-d6	6.87	99	17163	0.67	ng	0.00
8) Nitrobenzene-d5	8.83	82	14494	1.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	28375	0.74	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	4888	1.01	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	41278	0.78	ng	0.00
25) Fluoranthene-d10	19.11	212	79551	0.79	ng	0.00
29) Terphenyl-d14	19.71	244	66440	0.72	ng	0.00

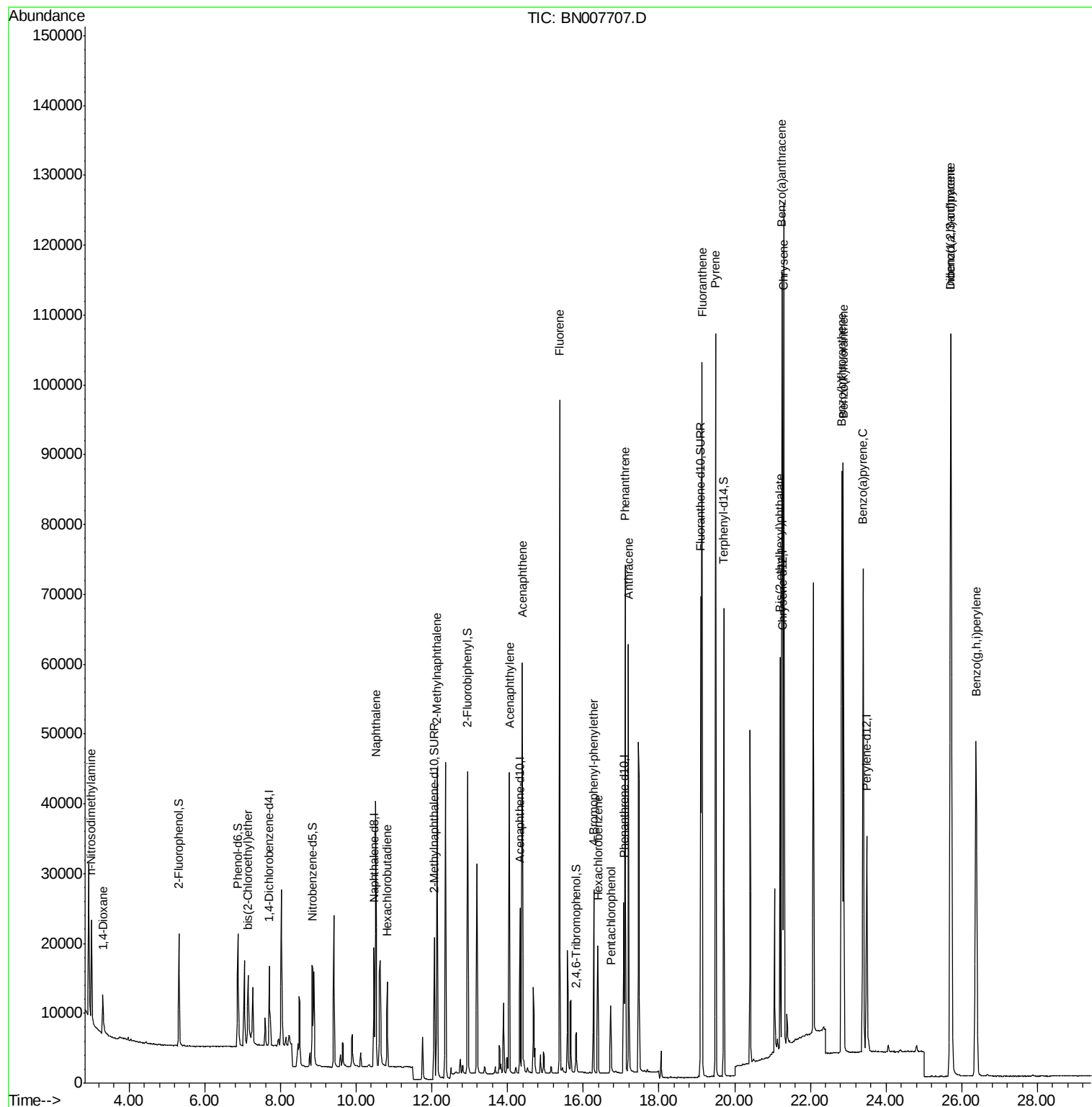
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	4827	0.834	ng	# 86
3) n-Nitrosodimethylamine	3.01	42	1721	0.525	ng	97
6) bis(2-Chloroethyl)ether	7.15	93	11223	1.036	ng	99
9) Naphthalene	10.52	128	47489	0.763	ng	99
10) Hexachlorobutadiene	10.82	225	10033	0.804	ng	# 100
12) 2-Methylnaphthalene	12.14	142	32276	0.740	ng	99
16) Acenaphthylene	14.05	152	52003	0.757	ng	100
17) Acenaphthene	14.39	154	33293	0.768	ng	100
18) Fluorene	15.37	166	42709	0.748	ng	100
20) 4-Bromophenyl-phenylether	16.27	248	14280	0.779	ng	98
21) Hexachlorobenzene	16.39	284	15819	0.820	ng	99
22) Pentachlorophenol	16.73	266	5537	1.033	ng	99
23) Phenanthrene	17.11	178	73049	0.763	ng	100
24) Anthracene	17.20	178	65942	0.747	ng	100
26) Fluoranthene	19.14	202	90955	0.783	ng	100
28) Pyrene	19.50	202	91483	0.716	ng	100
30) Benzo(a)anthracene	21.25	228	98575	0.775	ng	100
31) Chrysene	21.30	228	98320	0.760	ng	100
32) Bis(2-ethylhexyl)phthalate	21.21	149	48150	1.106	ng	99
33) Indeno(1,2,3-cd)pyrene	25.71	276	126160	0.923	ng	100
35) Benzo(b)fluoranthene	22.83	252	106459	0.756	ng	98
36) Benzo(k)fluoranthene	22.87	252	102660	0.738	ng	98
37) Benzo(a)pyrene	23.39	252	98430	0.787	ng	98
38) Dibenzo(a,h)anthracene	25.72	278	103225	0.822	ng	99
39) Benzo(g,h,i)perylene	26.38	276	101558	0.798	ng	99

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

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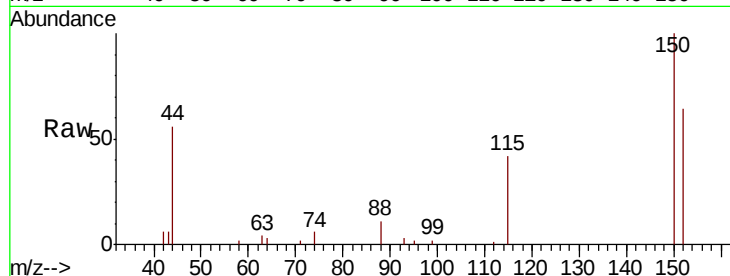


#1

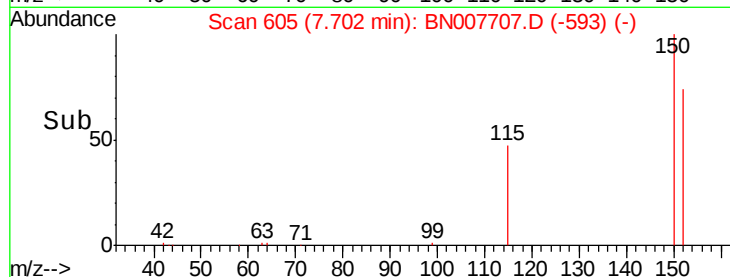
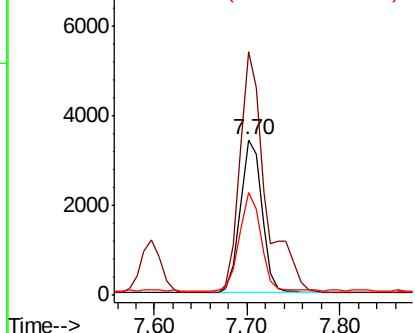
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 605
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5490
Ion Ratio Lower Upper
152 100
150 156.5 125.6 188.4
115 65.8 53.3 79.9



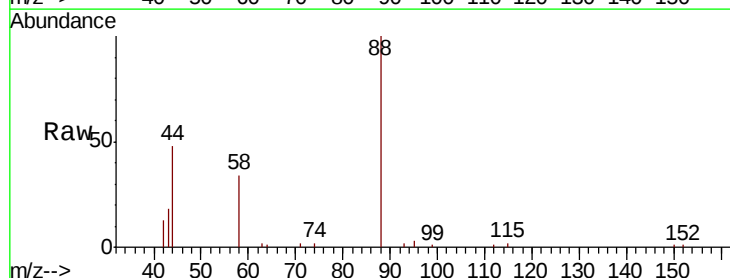
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



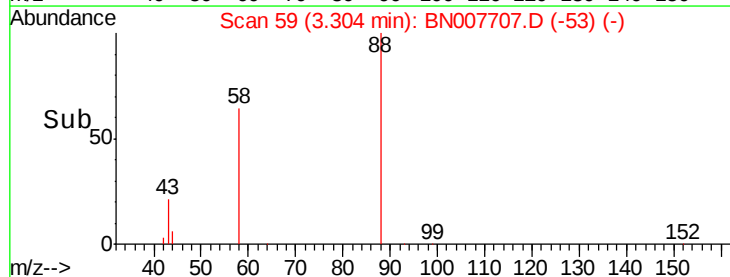
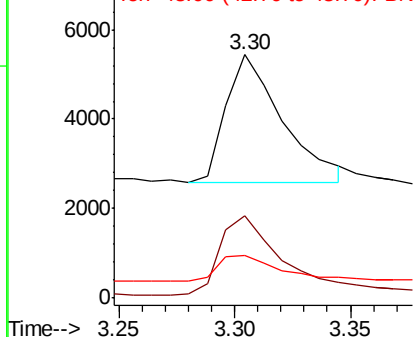
#2

1,4-Dioxane
Concen: 0.834 ng
RT: 3.30 min Scan# 59
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Tgt Ion: 88 Resp: 4827
Ion Ratio Lower Upper
88 100
58 66.4 44.6 66.8
43 22.6 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



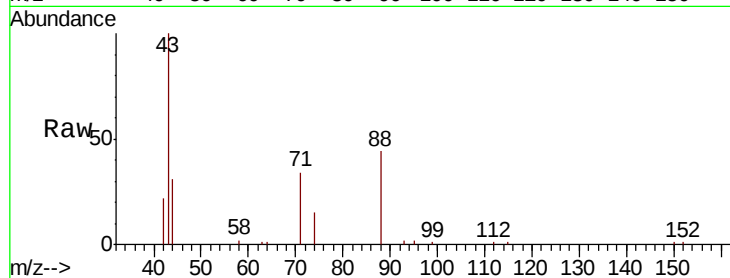


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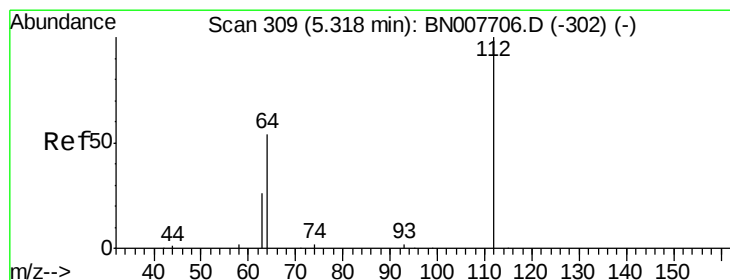
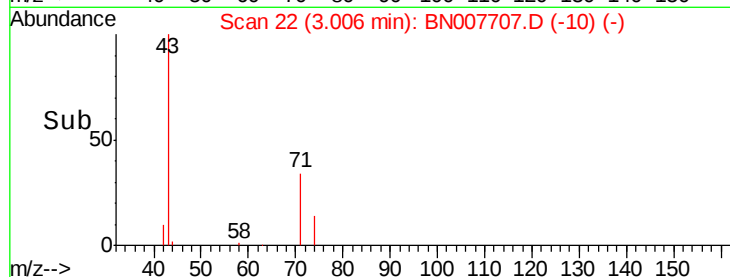
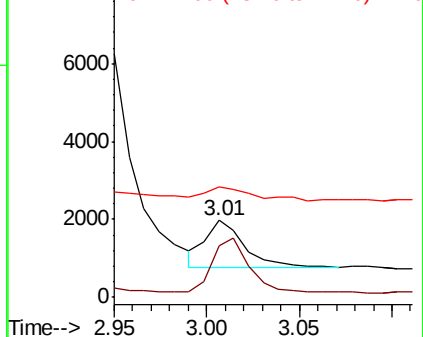
n-Nitrosodimethylamine
 Concen: 0.525 ng
 RT: 3.01 min Scan# 22
 Delta R.T. -0.00 min
 Lab File: BN007707.D
 Acq: 18 Sep 2019 16:00

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 42 Resp: 1721
 Ion Ratio Lower Upper
 42 100
 74 109.0 87.9 131.9
 44 30.3 29.4 44.0



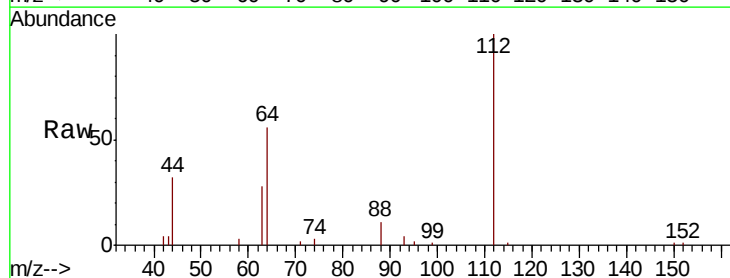
Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0



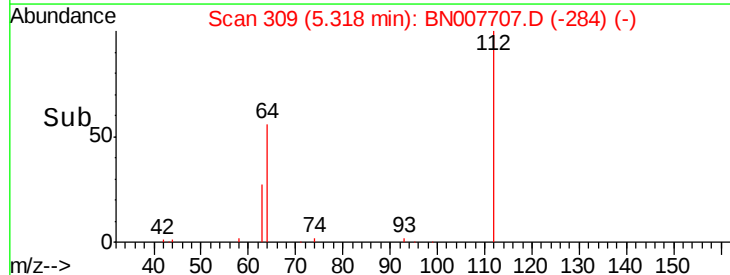
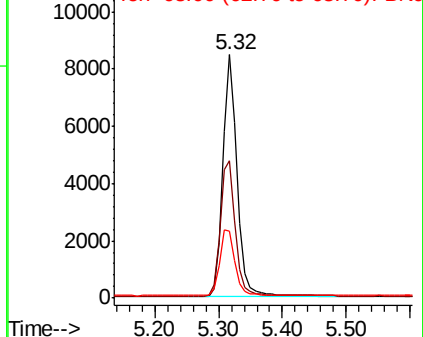
#4

2-Fluorophenol
 Concen: 0.785 ng
 RT: 5.32 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: BN007707.D
 Acq: 18 Sep 2019 16:00

Tgt Ion: 112 Resp: 13117
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.6 70.0
 63 29.6 23.1 34.7



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: 0.669 ng

RT: 6.87 min Scan# 502

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

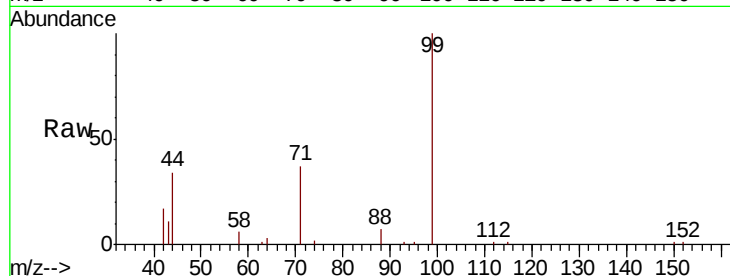
Tot Ion: 99 Resp: 17163

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

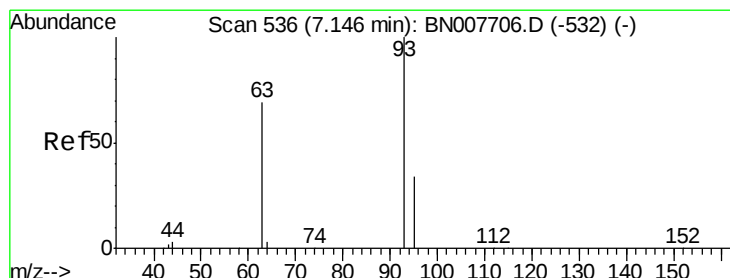
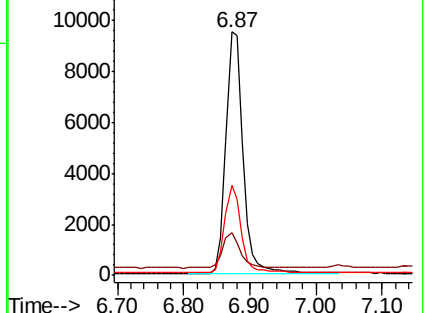
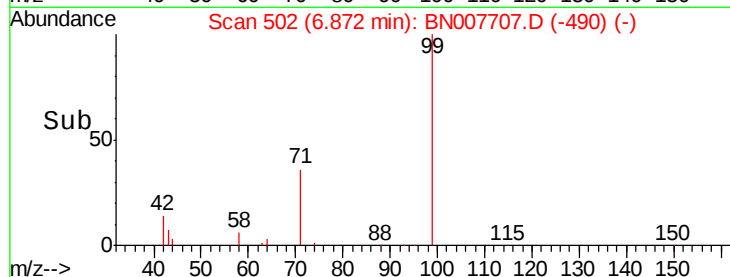
71 34.9 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007707.D (-511) (-)

Ion 42.00 (41.70 to 42.70): BN007707.D (-511) (-)

Ion 71.00 (70.70 to 71.70): BN007707.D (-511) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.036 ng

RT: 7.15 min Scan# 536

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

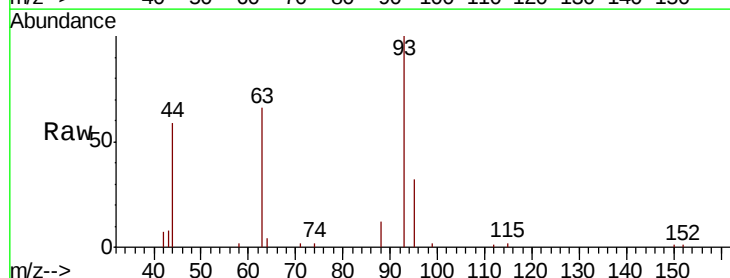
Tgt Ion: 93 Resp: 11223

Ion Ratio Lower Upper

93 100

63 73.7 59.3 88.9

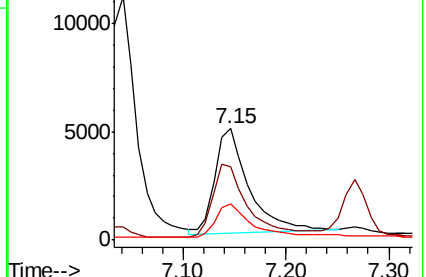
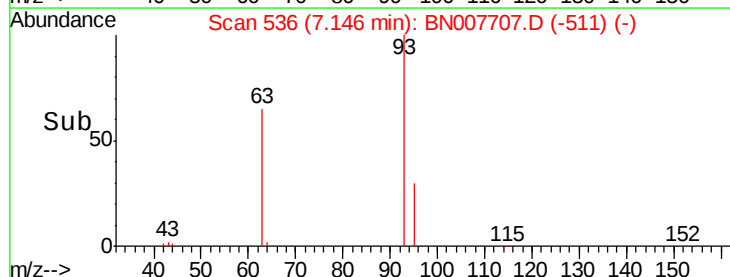
95 38.0 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BN007707.D (-511) (-)

Ion 63.00 (62.70 to 63.70): BN007707.D (-511) (-)

Ion 95.00 (94.70 to 95.70): BN007707.D (-511) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 22129

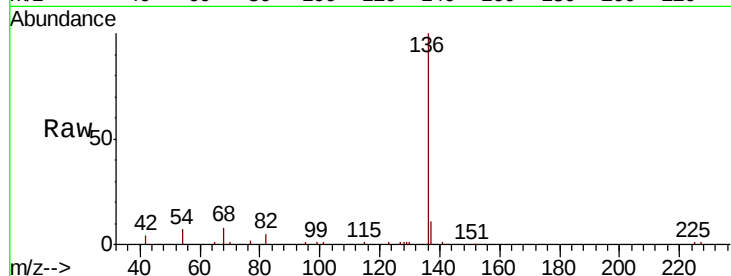
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 7.0 5.8 8.8

68 7.6 6.5 9.7

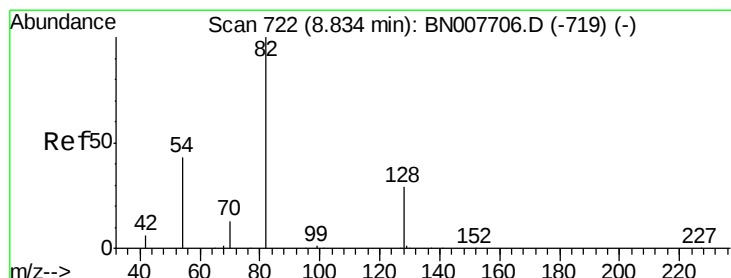
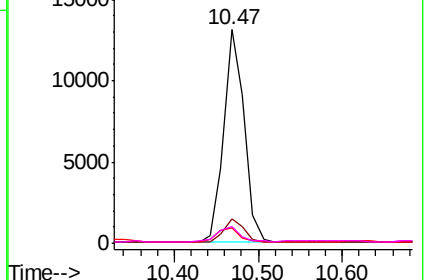
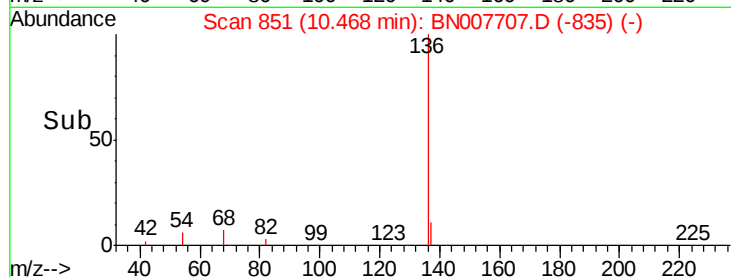


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 1.075 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

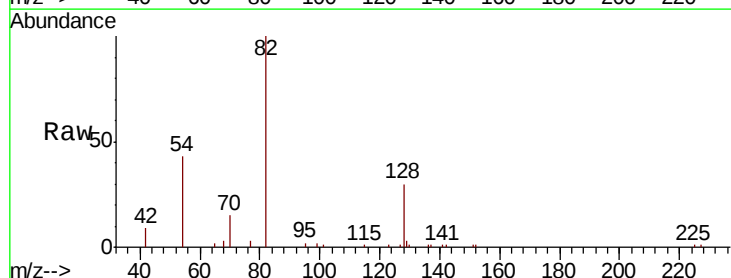
Tgt Ion: 82 Resp: 14494

Ion Ratio Lower Upper

82 100

128 29.9 24.5 36.7

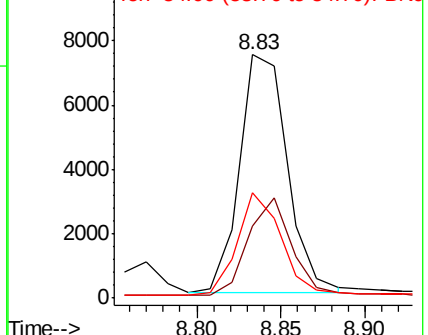
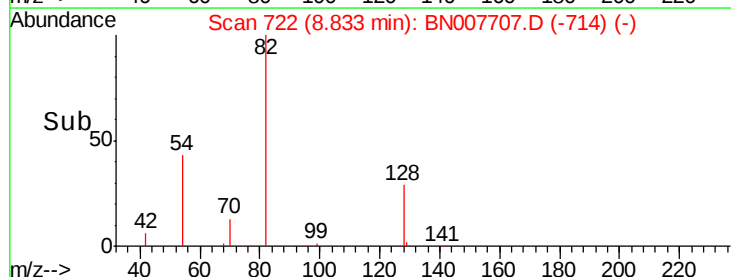
54 43.4 35.2 52.8

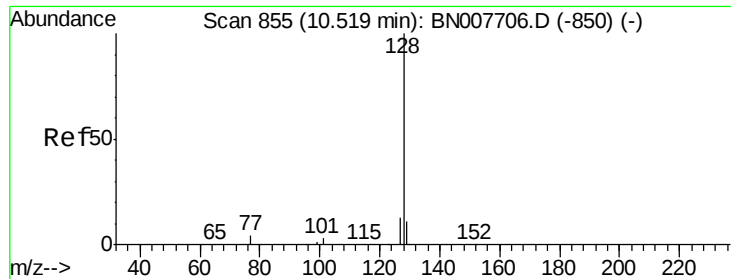


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

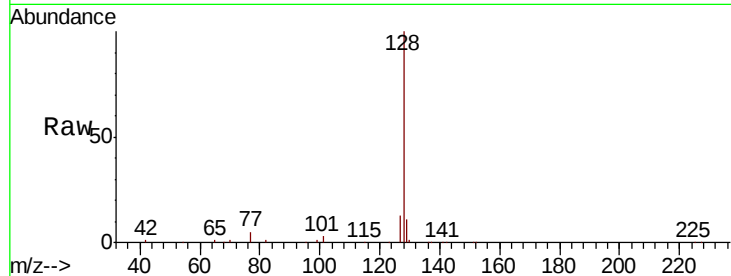




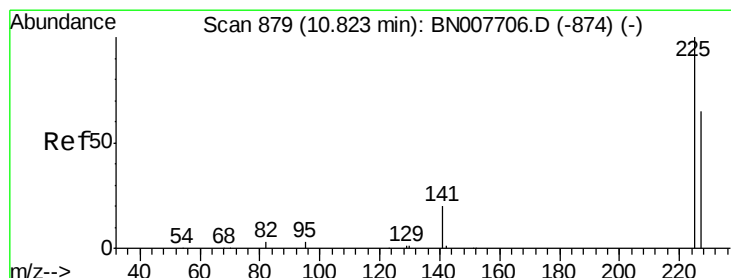
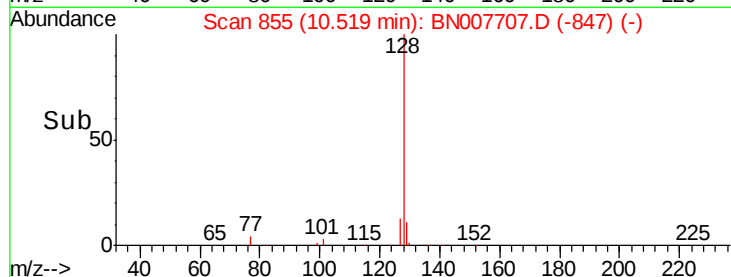
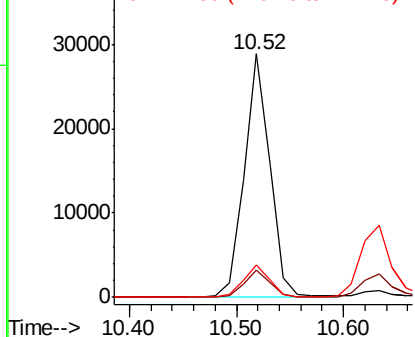
#9
Naphthalene
Concen: 0.763 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:128 Resp: 47489
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.1 10.6 15.8

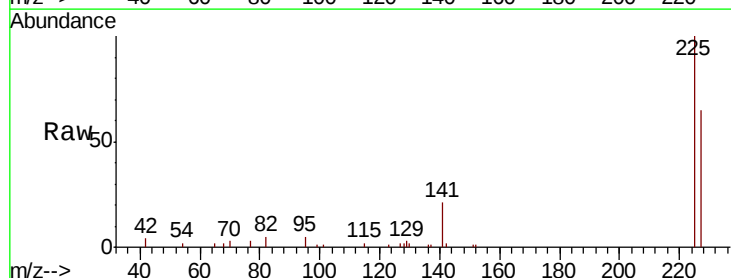


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

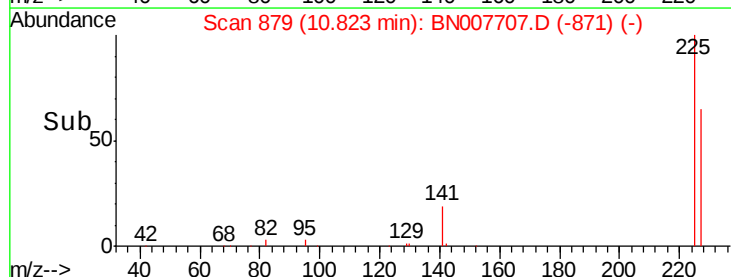
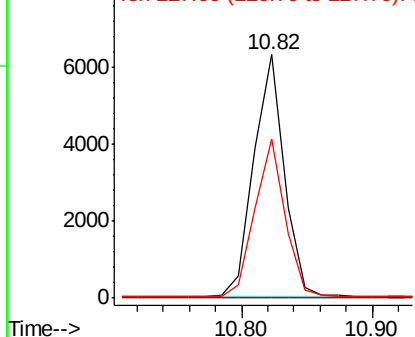


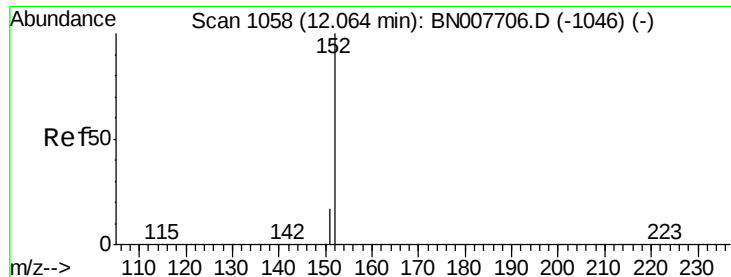
#10
Hexachlorobutadiene
Concen: 0.804 ng
RT: 10.82 min Scan# 879
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Tgt Ion:225 Resp: 10033
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

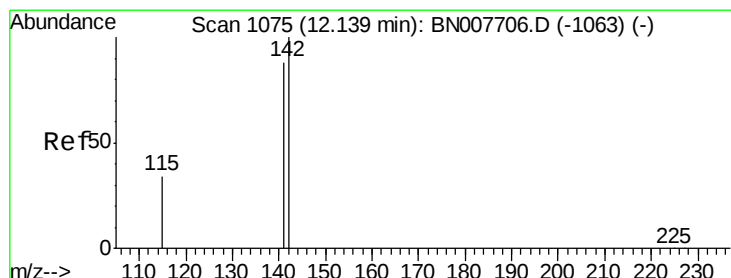
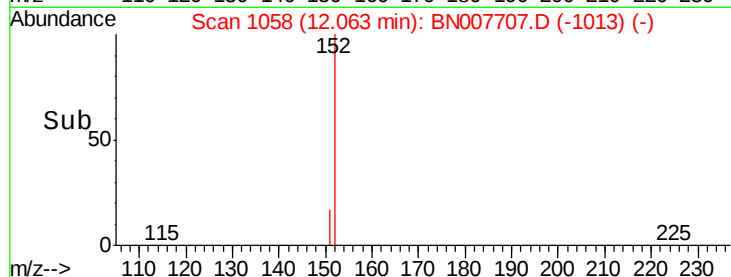
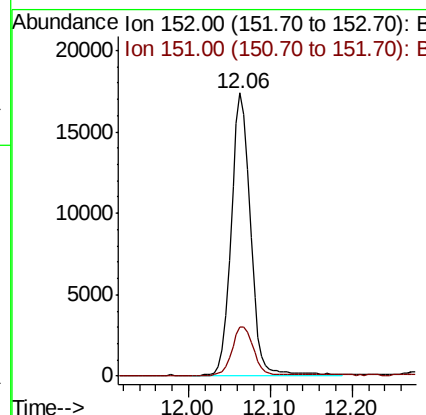
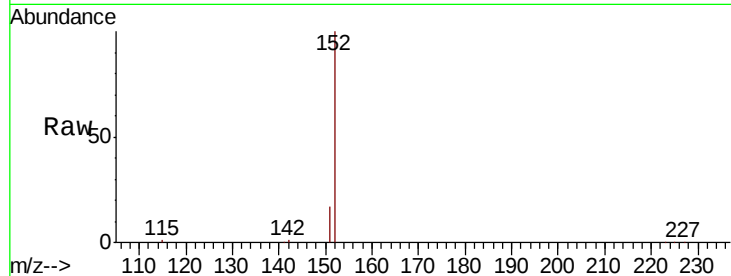




#11
 2-Methylnaphthalene-d10
 Concen: 0.743 ng
 RT: 12.06 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BN007707.D
 Acq: 18 Sep 2019 16:00

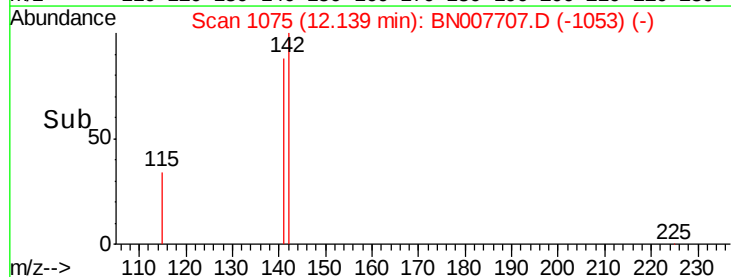
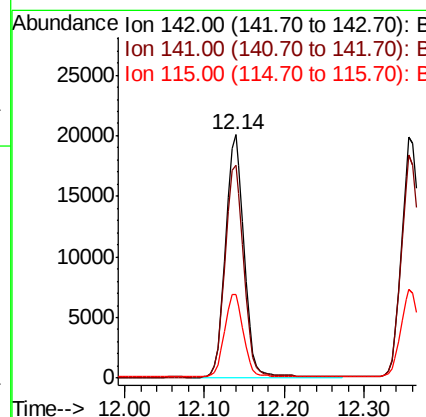
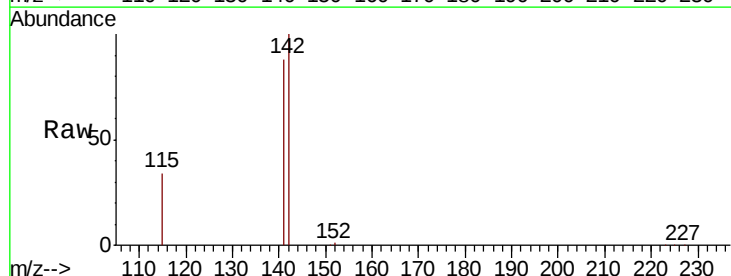
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:152 Resp: 28375
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.740 ng
 RT: 12.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: BN007707.D
 Acq: 18 Sep 2019 16:00

Tgt Ion:142 Resp: 32276
 Ion Ratio Lower Upper
 142 100
 141 87.7 70.6 106.0
 115 34.5 28.3 42.5

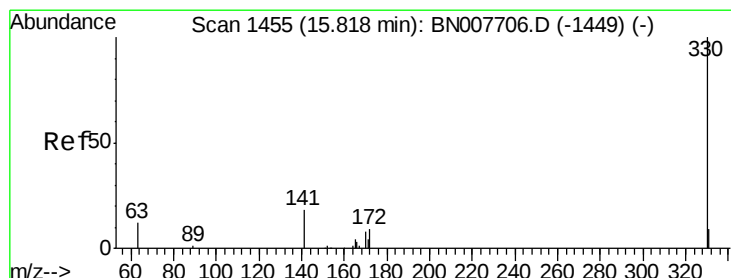
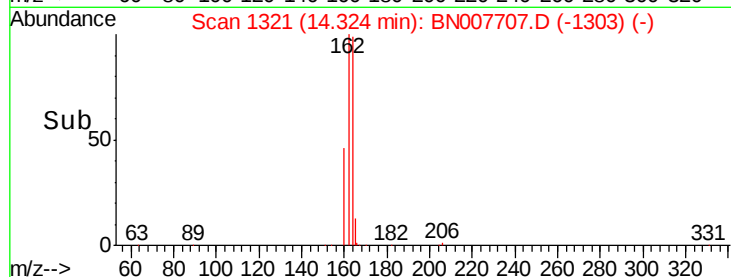
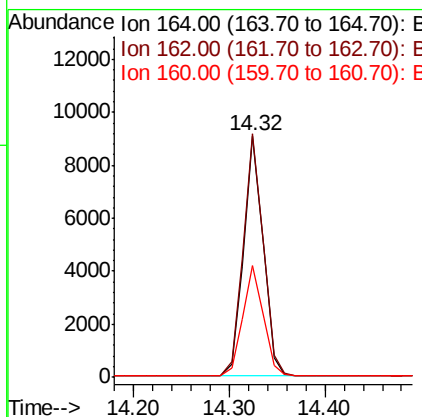
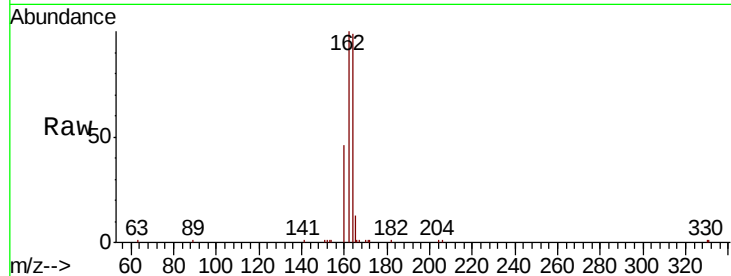




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

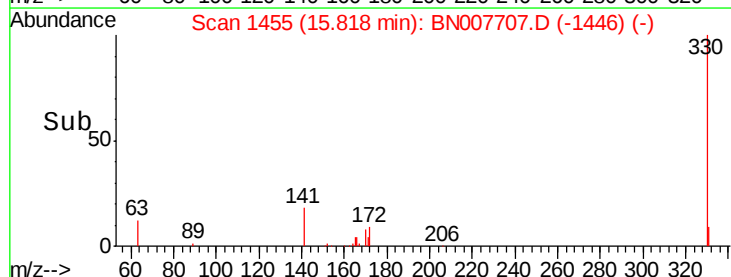
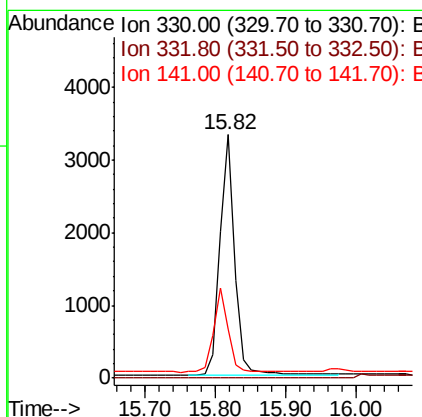
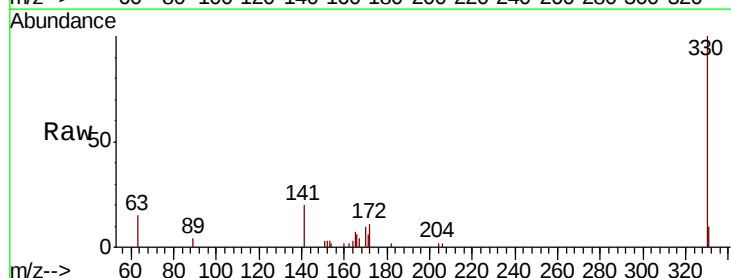
Instrument :
BNA_N
ClientSampleId :

Tot Ion:164 Resp: 12783
Ion Ratio Lower Upper
164 100
162 100.8 81.7 122.5
160 46.4 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 1.006 ng
RT: 15.82 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Tgt Ion:330 Resp: 4888
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.5 28.7 43.1

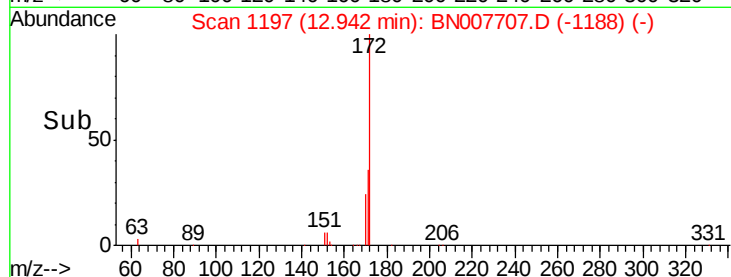
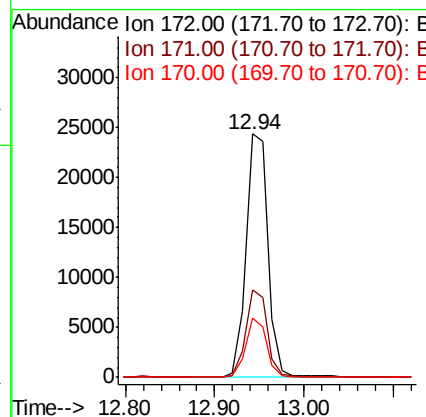
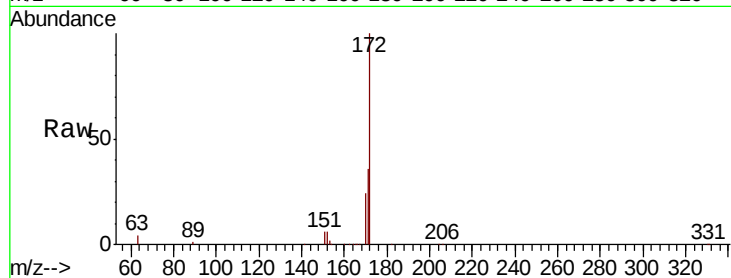




#15
2-Fluorobiphenyl
Concen: 0.781 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

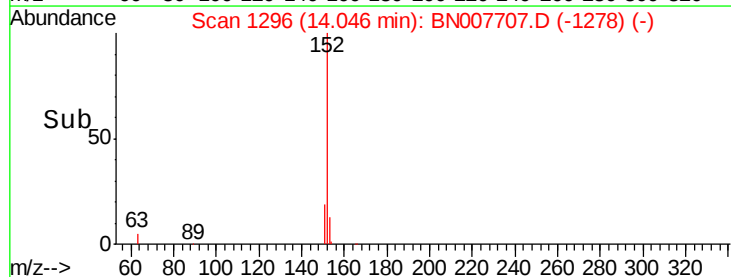
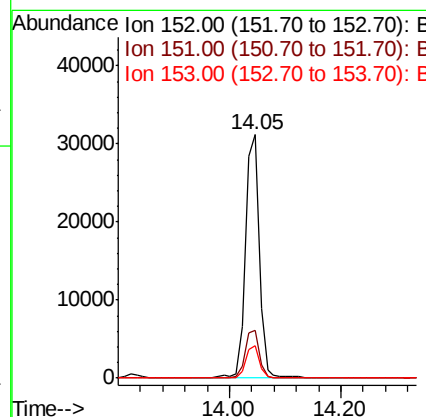
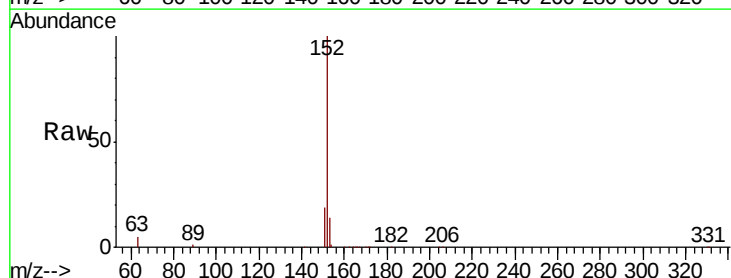
Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 41278
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.2 19.5 29.3



#16
Acenaphthylene
Concen: 0.757 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Tgt Ion:152 Resp: 52003
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.768 ng

RT: 14.39 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

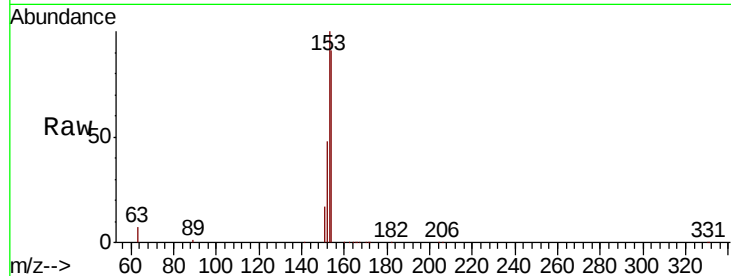
Tot Ion:154 Resp: 33293

Ion Ratio Lower Upper

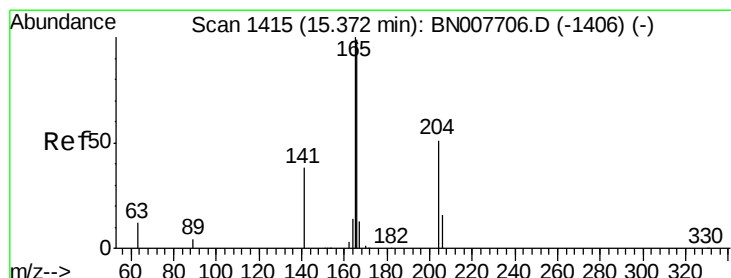
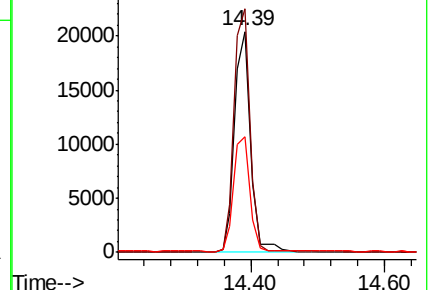
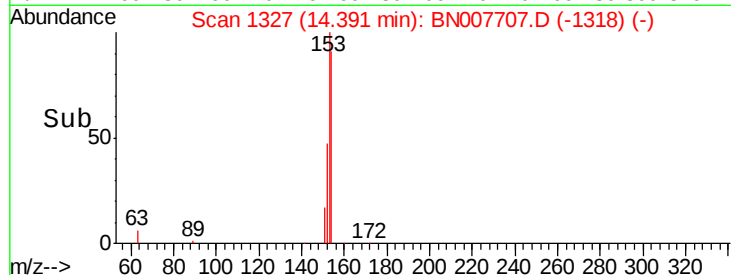
154 100

153 109.3 87.0 130.4

152 53.5 42.7 64.1



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: 0.748 ng

RT: 15.37 min Scan# 1415

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

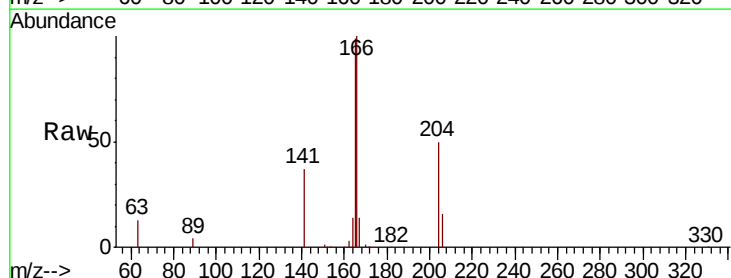
Tgt Ion:166 Resp: 42709

Ion Ratio Lower Upper

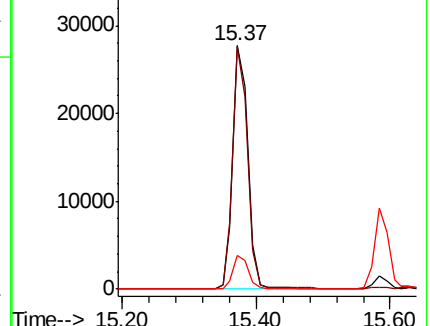
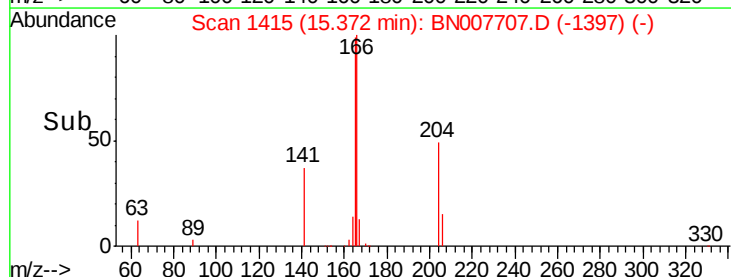
166 100

165 97.8 78.0 117.0

167 13.6 10.9 16.3



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: 17.07 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

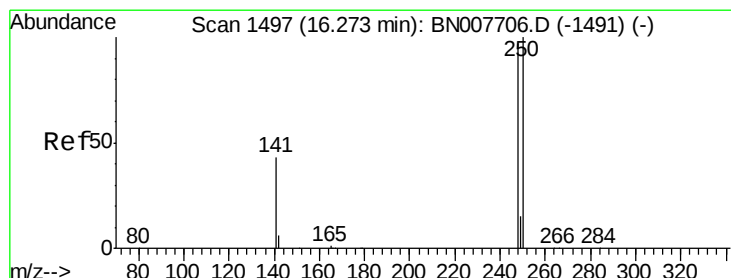
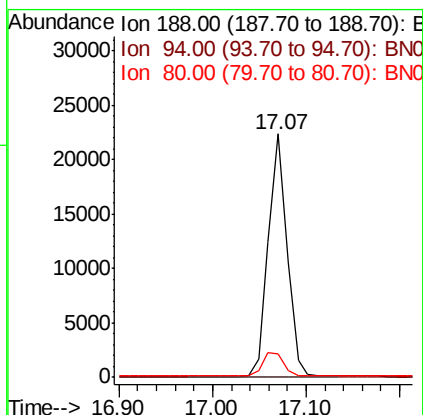
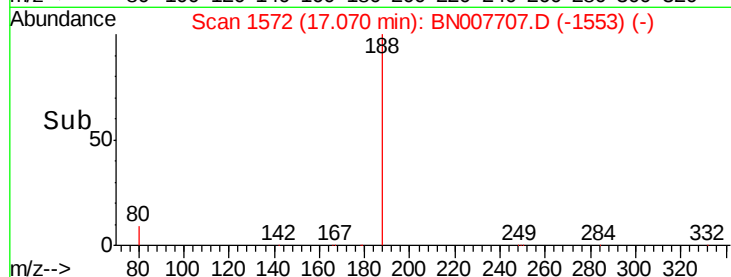
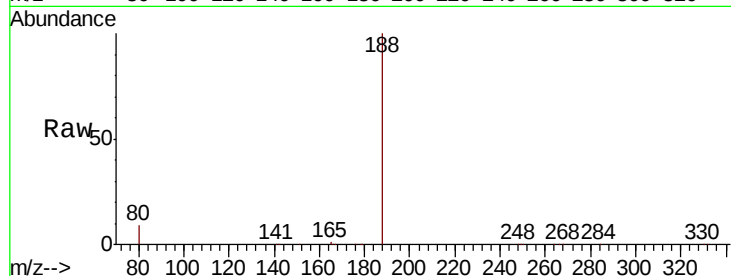
Tot Ion:188 Resp: 31017

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 7.4 11.2



#20

4-Bromophenyl-phenylether

Concen: 0.779 ng

RT: 16.27 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

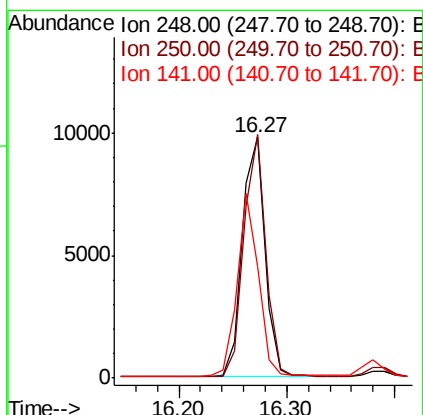
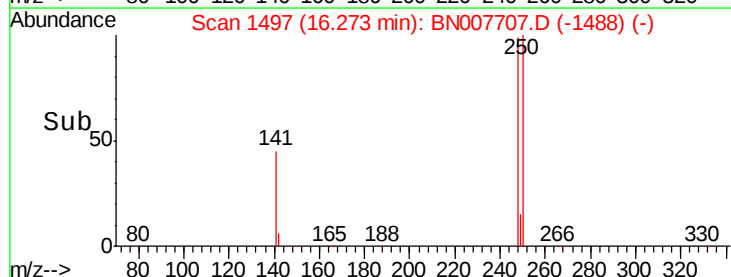
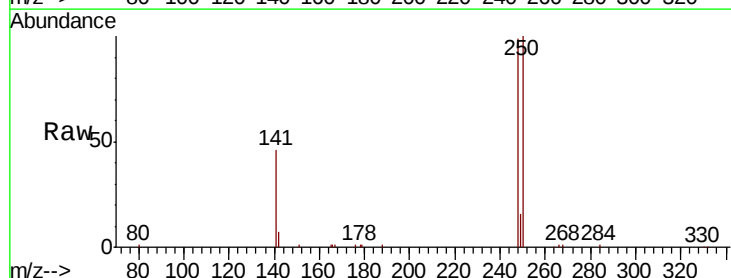
Tgt Ion:248 Resp: 14280

Ion Ratio Lower Upper

248 100

250 101.1 82.2 123.4

141 46.6 36.3 54.5





#21

Hexachlorobenzene

Concen: 0.820 ng

RT: 16.39 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampled :

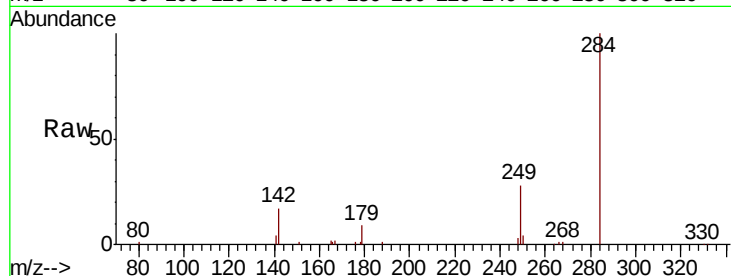
Tot Ion:284 Resp: 15819

Ion Ratio Lower Upper

284 100

142 32.8 25.8 38.6

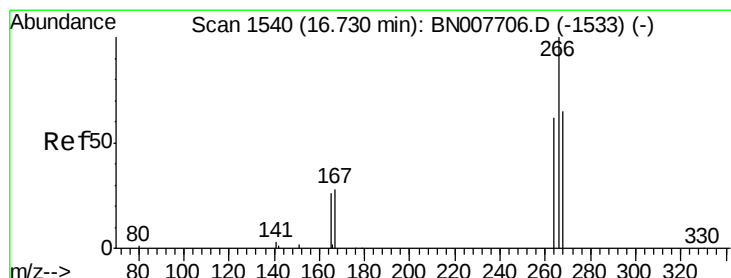
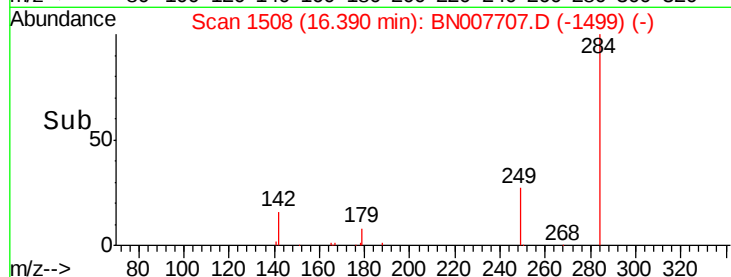
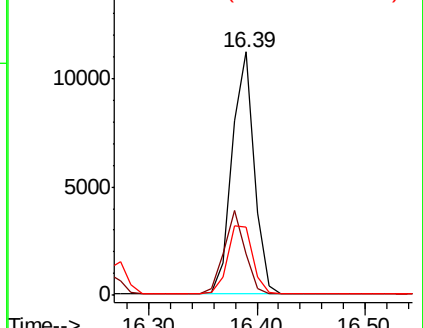
249 31.8 25.9 38.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.033 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

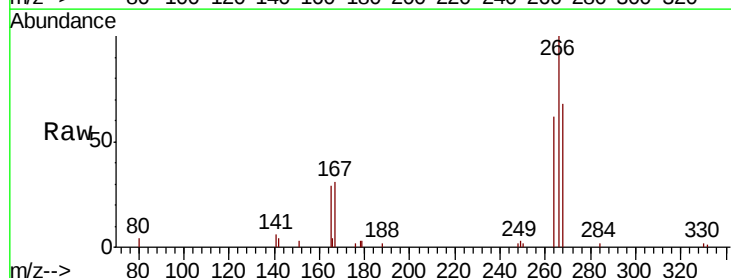
Tgt Ion:266 Resp: 5537

Ion Ratio Lower Upper

266 100

264 61.7 50.0 75.0

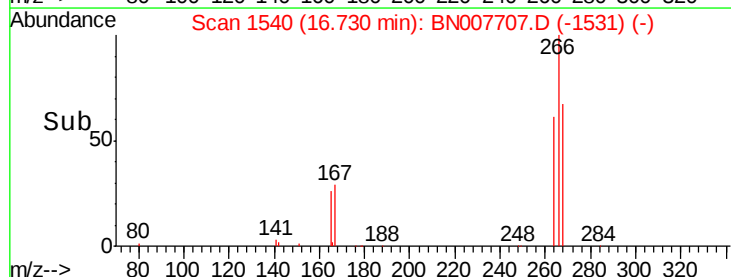
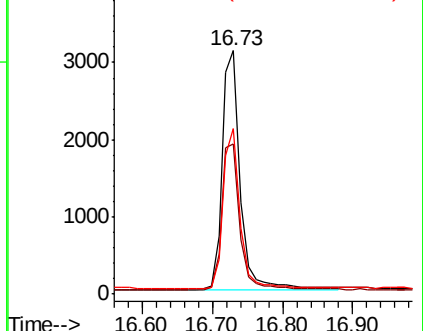
268 67.7 54.2 81.4

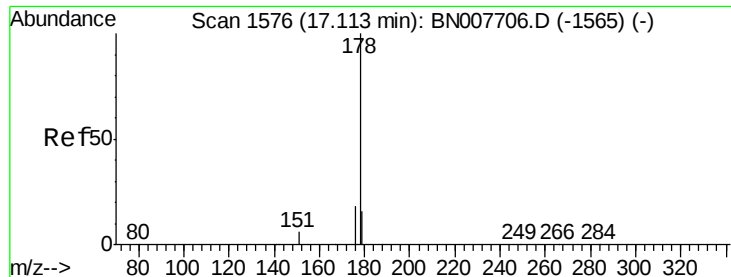


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.763 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

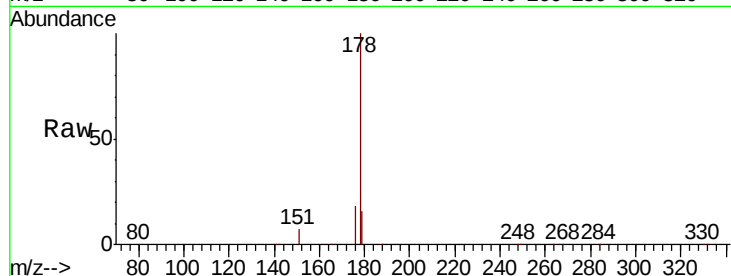
Tot Ion:178 Resp: 73049

Ion Ratio Lower Upper

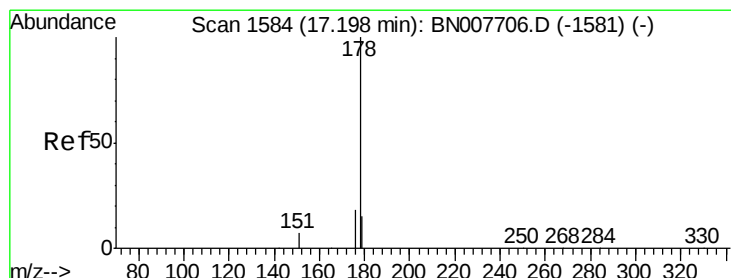
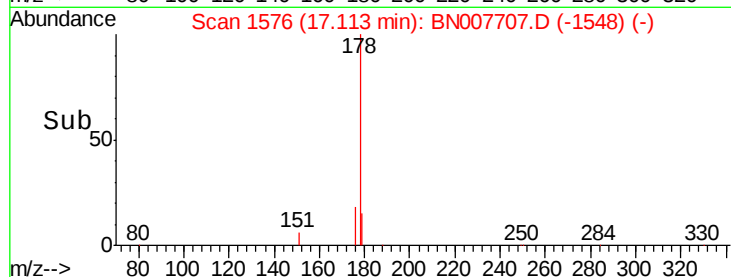
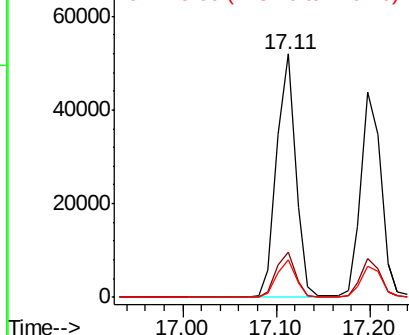
178 100

176 18.6 14.9 22.3

179 15.2 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



#24

Anthracene

Concen: 0.747 ng

RT: 17.20 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

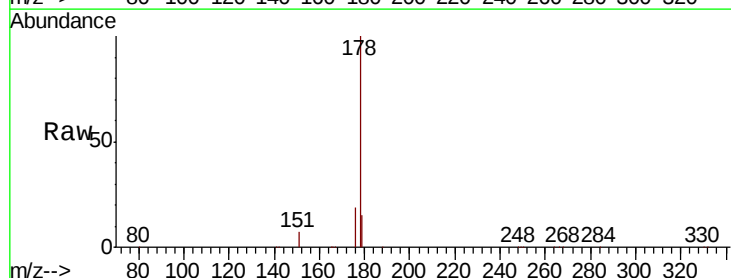
Tgt Ion:178 Resp: 65942

Ion Ratio Lower Upper

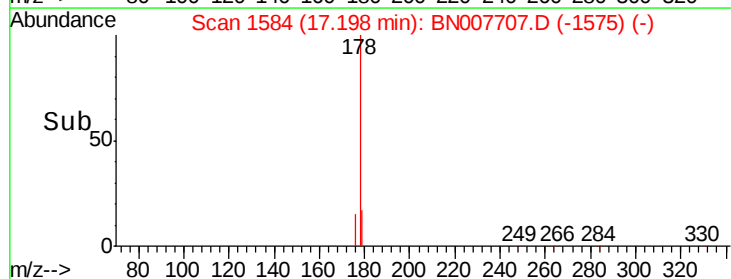
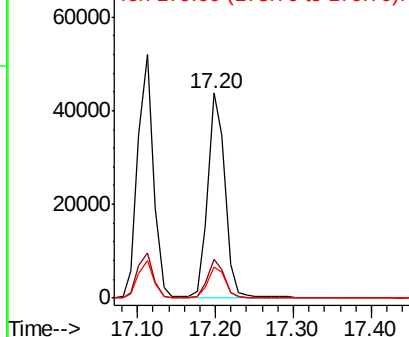
178 100

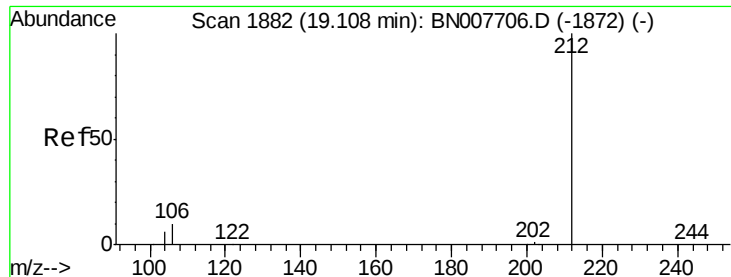
176 18.1 14.6 21.8

179 15.3 12.2 18.4



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: 0.789 ng

RT: 19.11 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

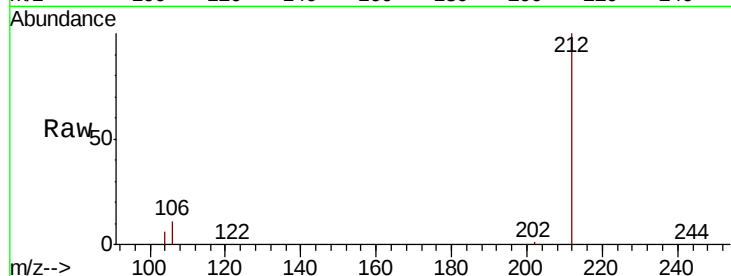
Tot Ion:212 Resp: 79551

Ion Ratio Lower Upper

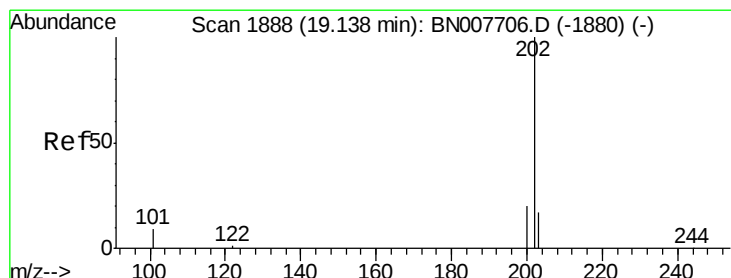
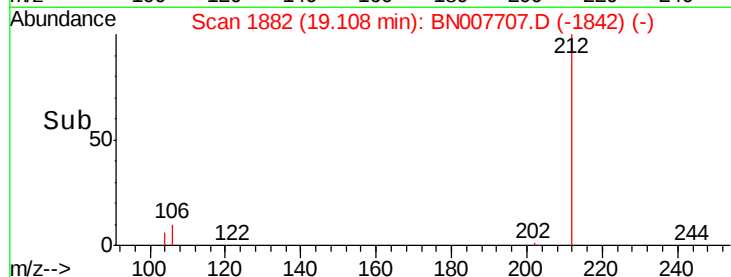
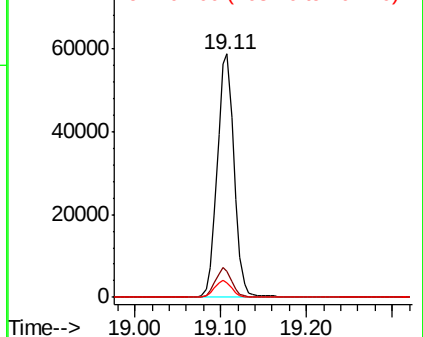
212 100

106 11.5 9.4 14.0

104 6.5 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.783 ng

RT: 19.14 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

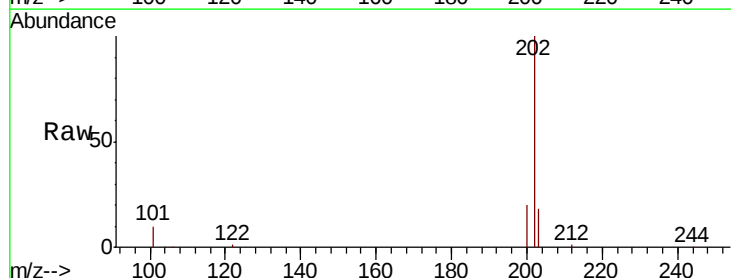
Tgt Ion:202 Resp: 90955

Ion Ratio Lower Upper

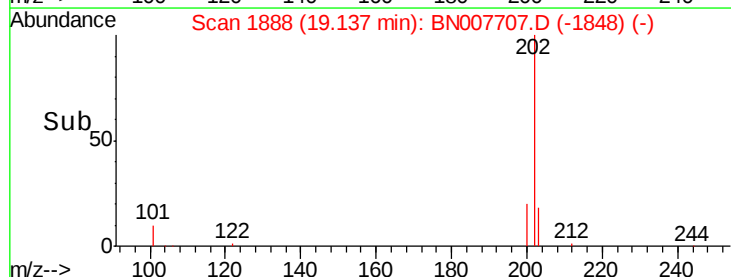
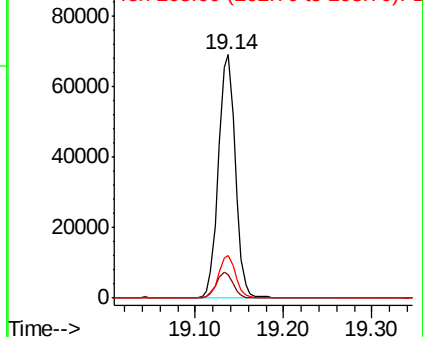
202 100

101 10.7 8.4 12.6

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: 21.27 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

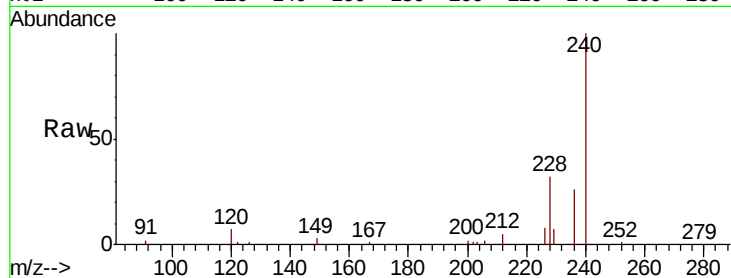
Tot Ion:240 Resp: 35564

Ion Ratio Lower Upper

240 100

120 6.9 5.4 8.2

236 26.1 21.0 31.4

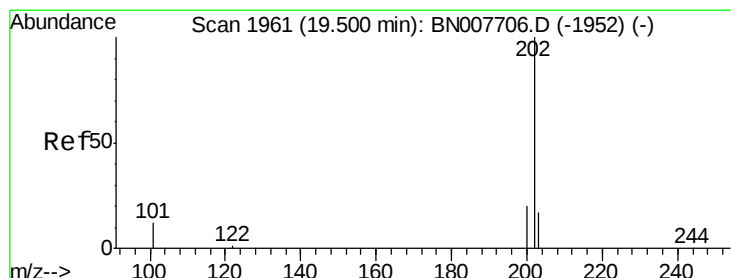
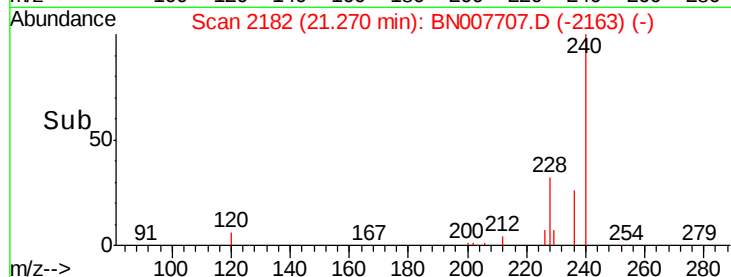
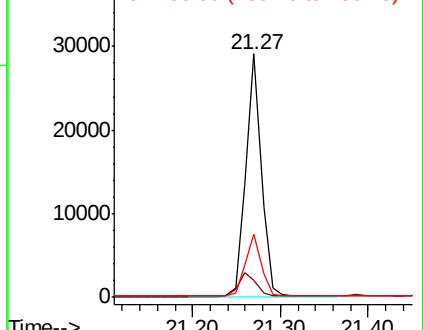


Abundance

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



#28

Pyrene

Concen: 0.716 ng

RT: 19.50 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

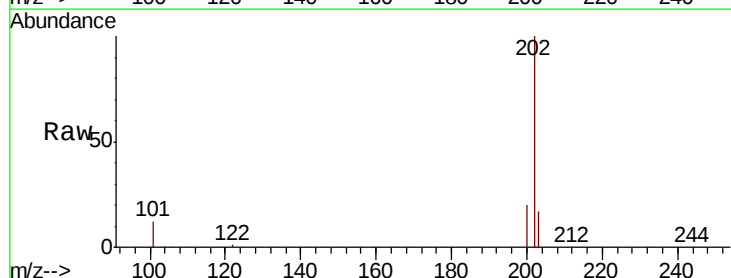
Tgt Ion:202 Resp: 91483

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

203 17.5 14.1 21.1

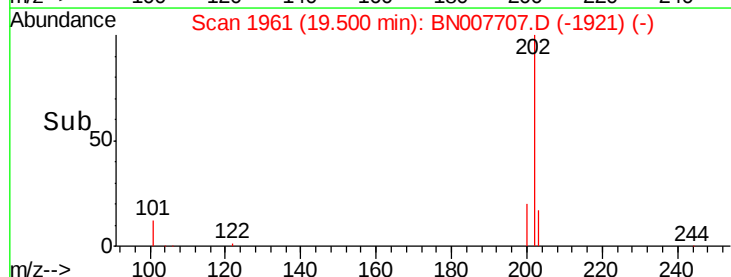
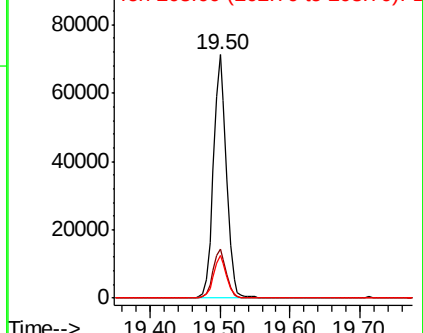


Abundance

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: 0.718 ng

RT: 19.71 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

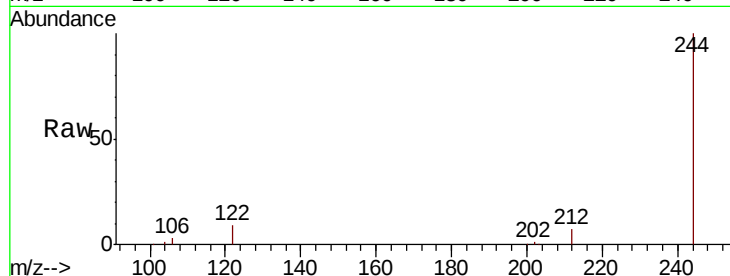
Tot Ion:244 Resp: 66440

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

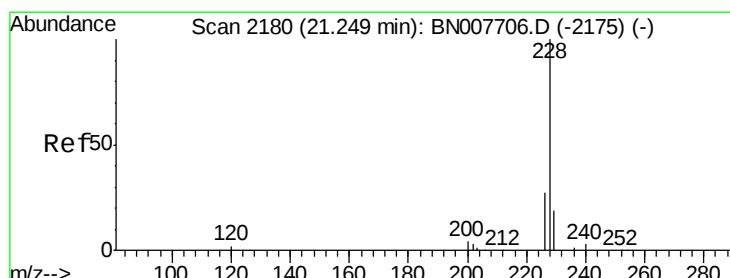
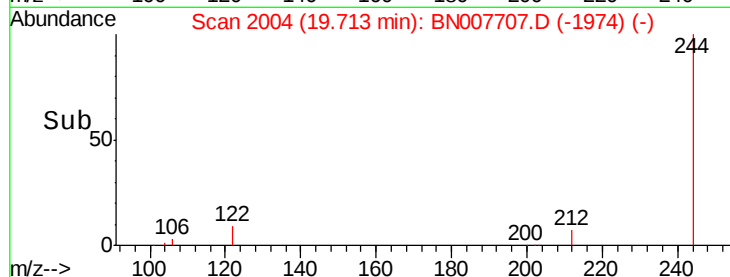
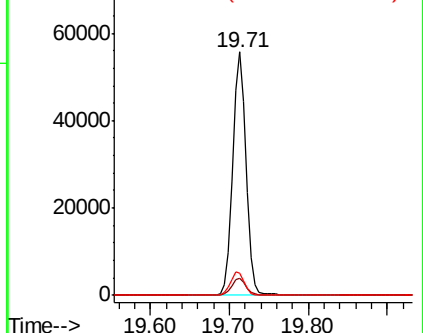
122 9.1 7.4 11.2



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



#30

Benzo(a)anthracene

Concen: 0.775 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

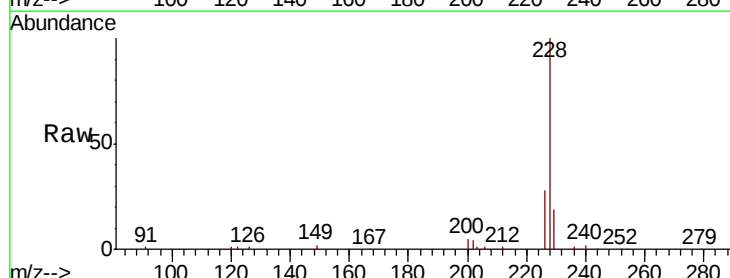
Tgt Ion:228 Resp: 98575

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

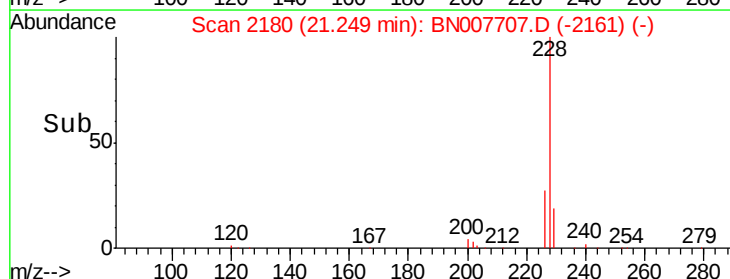
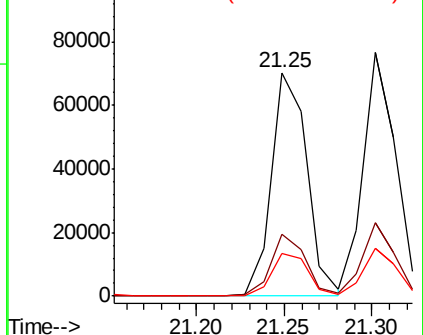
229 19.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.760 ng

RT: 21.30 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

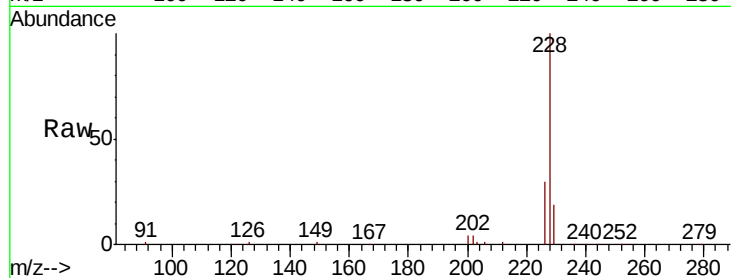
Tot Ion:228 Resp: 98320

Ion Ratio Lower Upper

228 100

226 29.9 23.9 35.9

229 19.4 15.8 23.6

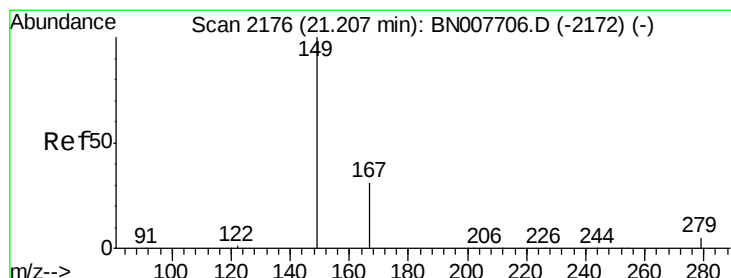
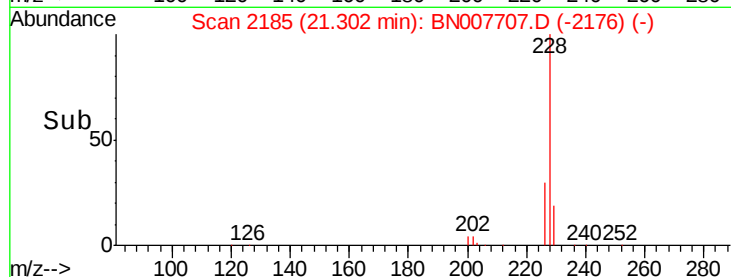
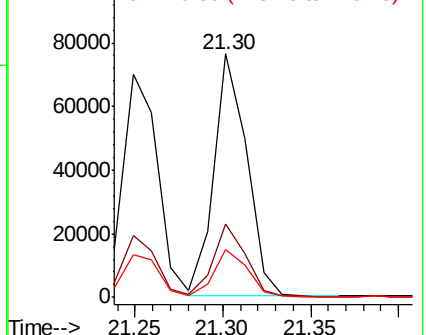


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.106 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

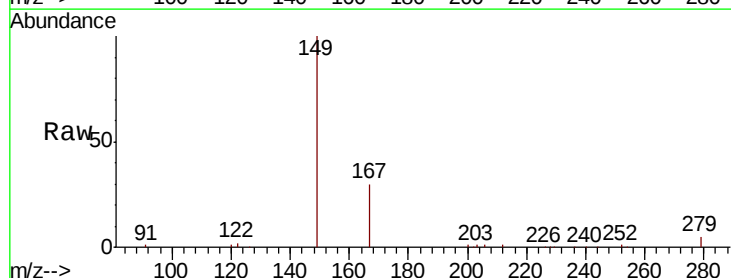
Tgt Ion:149 Resp: 48150

Ion Ratio Lower Upper

149 100

167 29.3 23.7 35.5

279 5.0 4.2 6.2

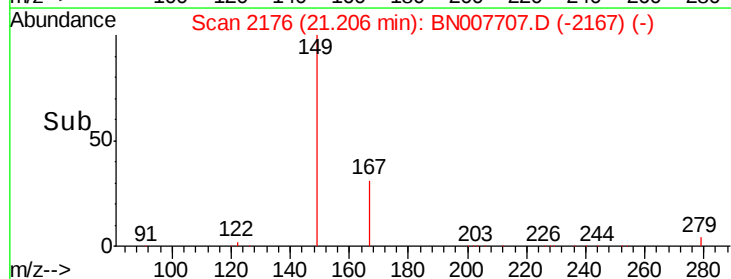
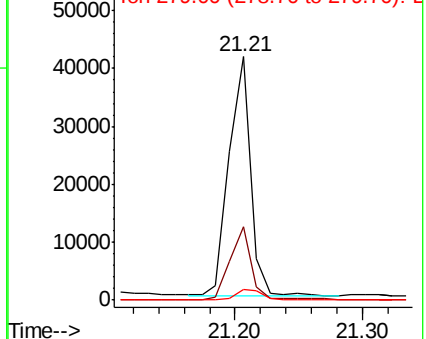


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.923 ng

RT: 25.71 min Scan# 3254

Delta R.T. 0.00 min

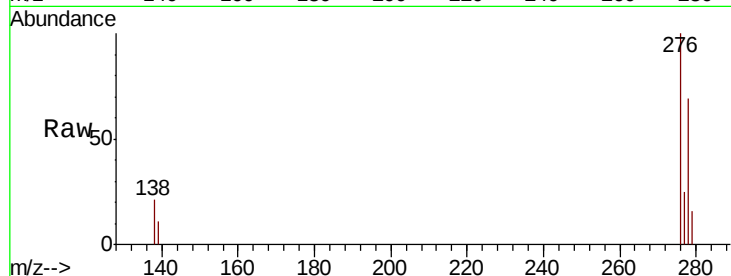
Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :



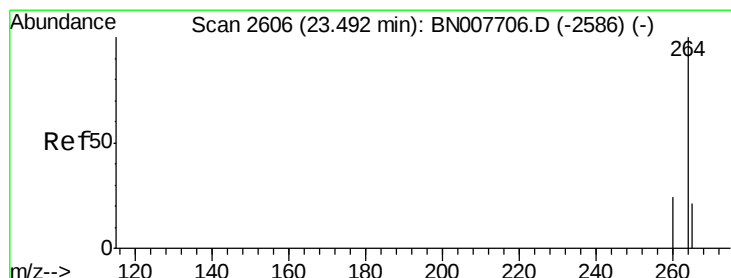
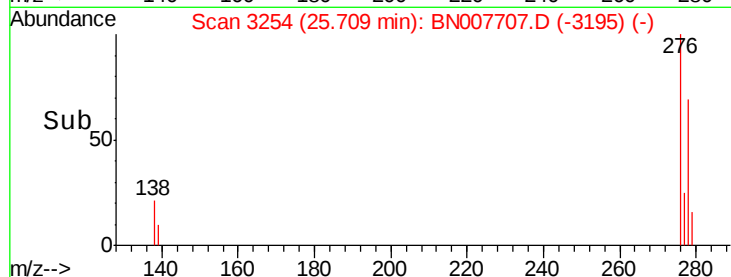
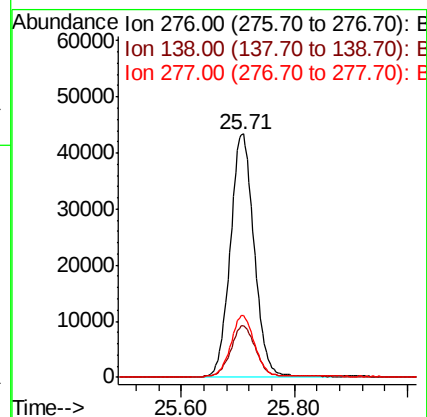
Tot Ion:276 Resp: 126160

Ion Ratio Lower Upper

276 100

138 21.5 17.1 25.7

277 25.1 20.0 30.0



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

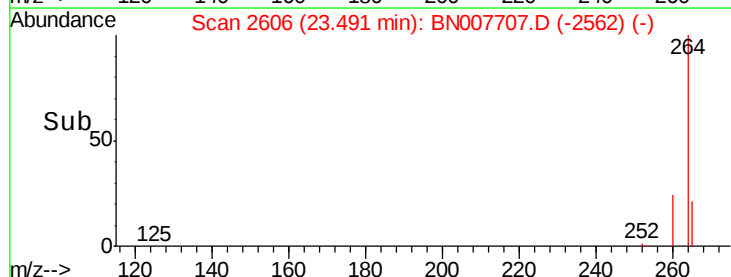
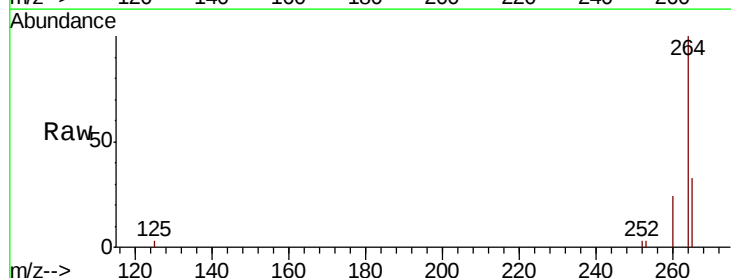
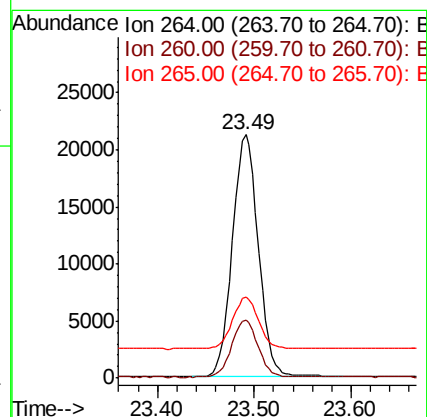
Tgt Ion:264 Resp: 39583

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 33.2 26.9 40.3

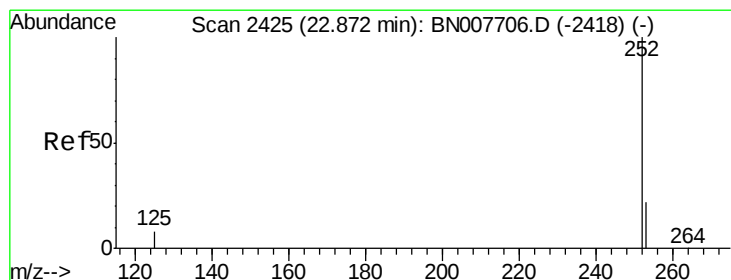
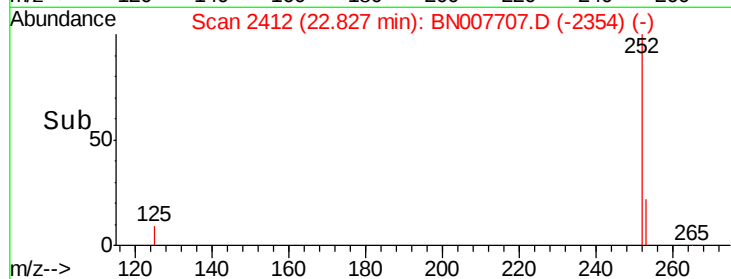
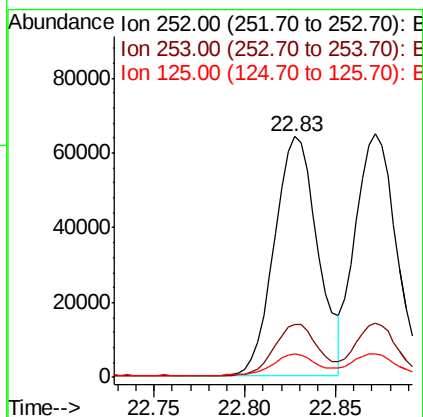
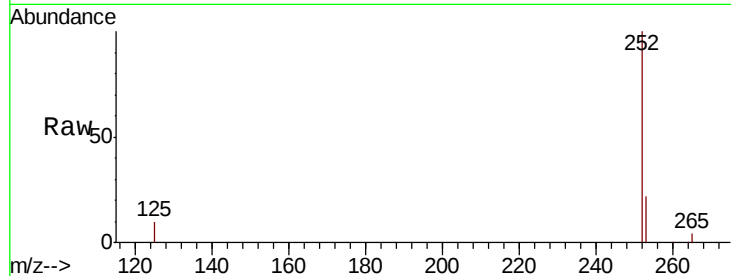




#35
Benzo(b)fluoranthene
Concen: 0.756 ng
RT: 22.83 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

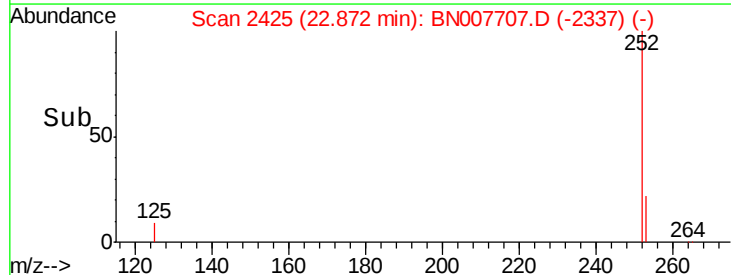
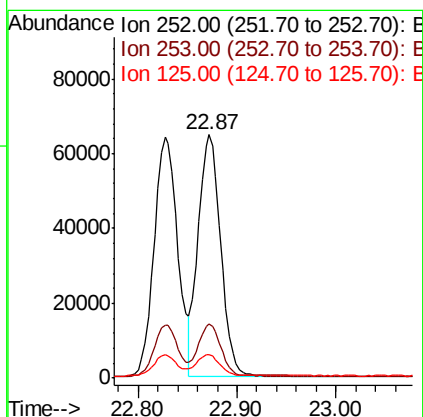
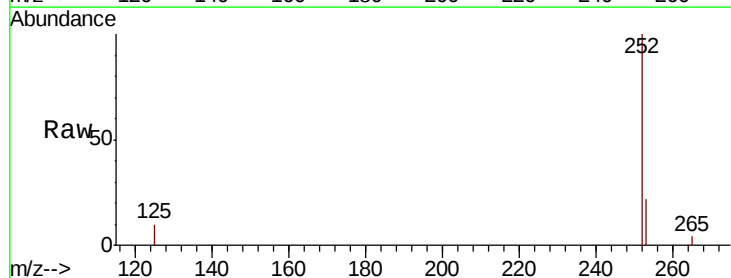
Instrument :
BNA_N
ClientSampleId :

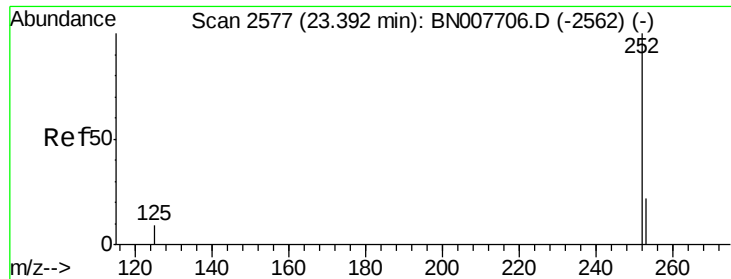
Tot Ion:252 Resp: 106459
Ion Ratio Lower Upper
252 100
253 22.2 18.3 27.5
125 9.6 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 0.738 ng
RT: 22.87 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BN007707.D
Acq: 18 Sep 2019 16:00

Tgt Ion:252 Resp: 102660
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 9.7 8.4 12.6





#37

Benzo(a)pyrene

Concen: 0.787 ng

RT: 23.39 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :

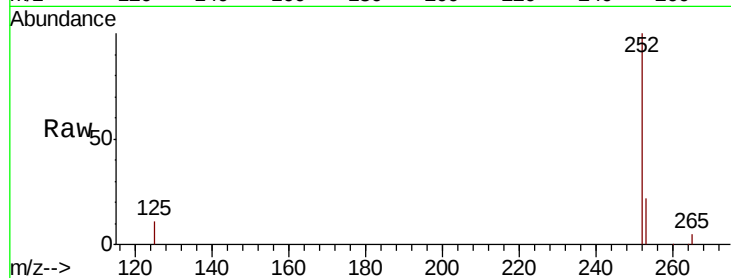
Tot Ion:252 Resp: 98430

Ion Ratio Lower Upper

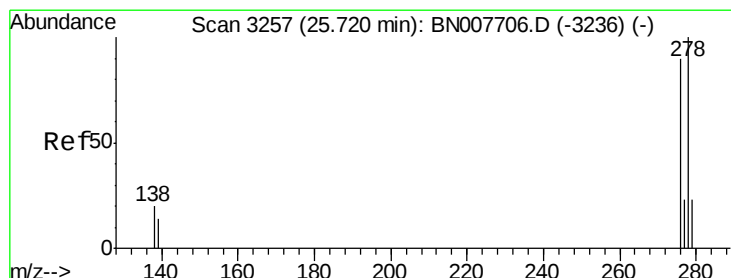
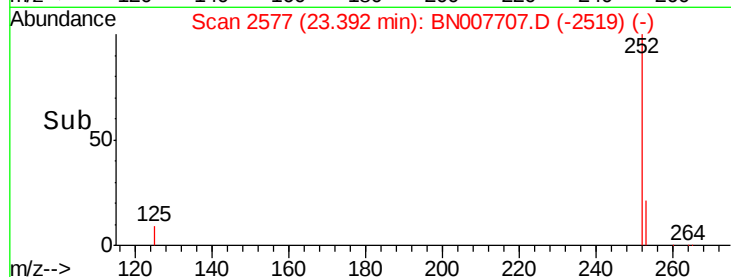
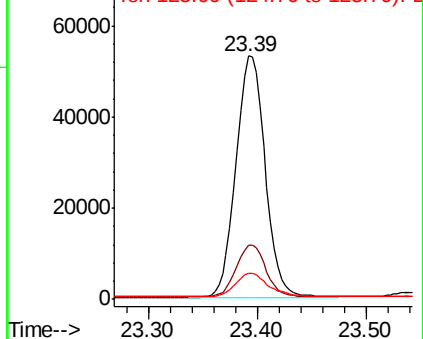
252 100

253 22.2 18.6 27.8

125 10.6 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.822 ng

RT: 25.72 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

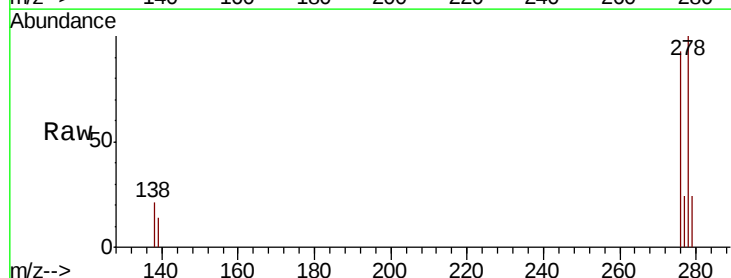
Tgt Ion:278 Resp: 103225

Ion Ratio Lower Upper

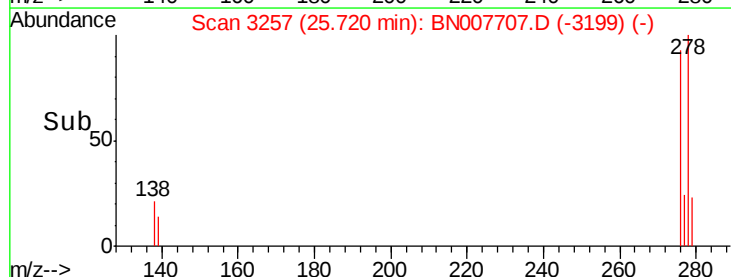
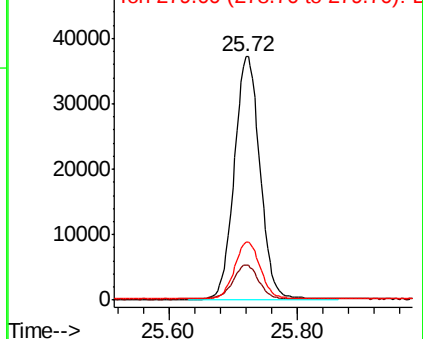
278 100

139 14.3 11.8 17.6

279 23.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.798 ng

RT: 26.38 min Scan# 3450

Delta R.T. -0.00 min

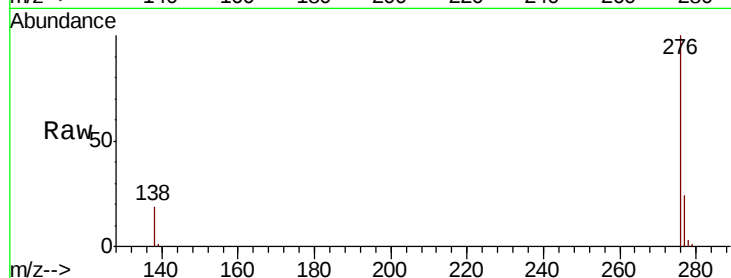
Lab File: BN007707.D

Acq: 18 Sep 2019 16:00

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 101558

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 18.8 15.1 22.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

