

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007785.D
 Acq On : 21 Sep 2019 04:53
 Operator : HP/JU
 Sample : K4974-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20190916MS

Quant Time: Sep 21 05:28:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6911	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	26622	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15447	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	33009	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	35830	0.40	ng	-0.02
34) Perylene-d12	23.46	264	38065	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	2530	0.11	ng	0.00
5) Phenol-d6	6.87	99	2042	0.06	ng	0.00
8) Nitrobenzene-d5	8.83	82	6604	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	17112	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1636	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	25244	0.40	ng	0.00
25) Fluoranthene-d10	19.09	212	37545	0.34	ng	-0.02
29) Terphenyl-d14	19.70	244	37220	0.42	ng	-0.02

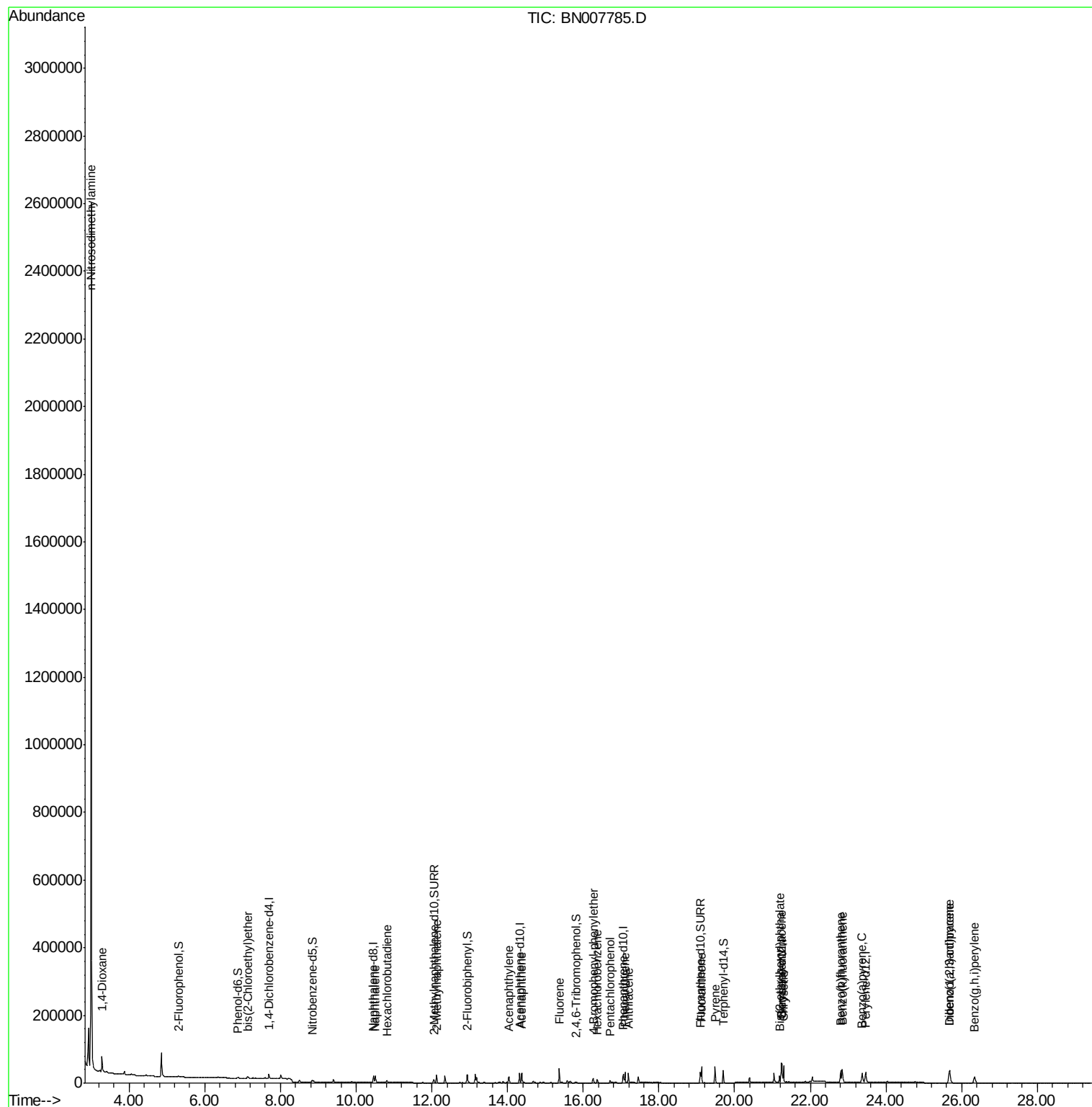
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	34605	4.492	ng	# 93
3) n-Nitrosodimethylamine	3.00	42	186502	52.862	ng	# 67
6) bis(2-Chloroethyl)ether	7.13	93	6785	0.347	ng	95
9) Naphthalene	10.51	128	25311	0.339	ng	99
10) Hexachlorobutadiene	10.81	225	4752	0.302	ng	# 99
12) 2-Methylnaphthalene	12.13	142	16963	0.336	ng	100
16) Acenaphthylene	14.03	152	23130	0.282	ng	99
17) Acenaphthene	14.38	154	15958	0.302	ng	97
18) Fluorene	15.36	166	20101	0.297	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	6715	0.335	ng	98
21) Hexachlorobenzene	16.38	284	7196	0.329	ng	98
22) Pentachlorophenol	16.72	266	3651	0.452	ng	98
23) Phenanthrene	17.10	178	35592	0.346	ng	100
24) Anthracene	17.19	178	30062	0.324	ng	100
26) Fluoranthene	19.12	202	42329	0.331	ng	100
28) Pyrene	19.49	202	43973	0.360	ng	100
30) Benzo(a)anthracene	21.24	228	40225	0.305	ng	98
31) Chrysene	21.29	228	44459	0.346	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	15642	0.231	ng	98
33) Indeno(1,2,3-cd)pyrene	25.67	276	47715	0.296	ng	99
35) Benzo(b)fluoranthene	22.80	252	41861	0.317	ng	99
36) Benzo(k)fluoranthene	22.84	252	48594	0.372	ng	98
37) Benzo(a)pyrene	23.37	252	38993	0.314	ng	99
38) Dibenzo(a,h)anthracene	25.69	278	39563	0.311	ng	99
39) Benzo(g,h,i)perylene	26.34	276	39409	0.313	ng	99

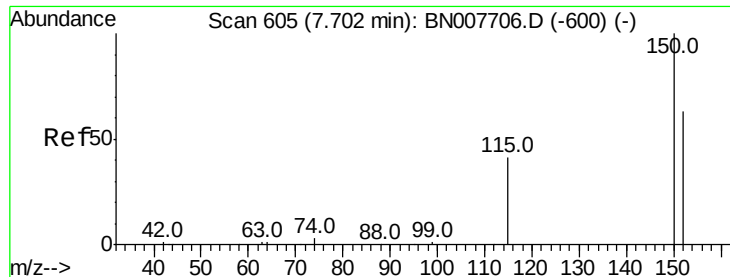
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 604

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

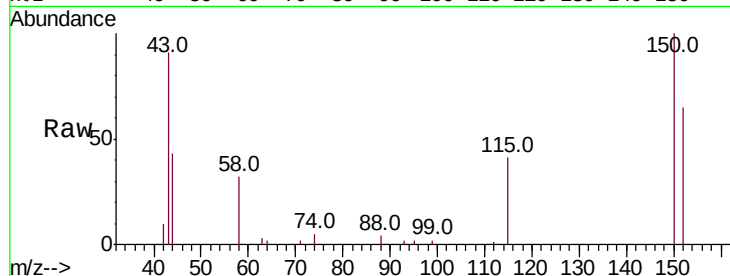
Tot Ion:152 Resp: 6911

Ion Ratio Lower Upper

152 100

150 154.1 125.6 188.4

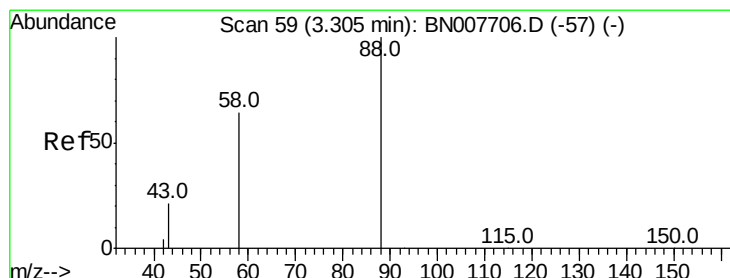
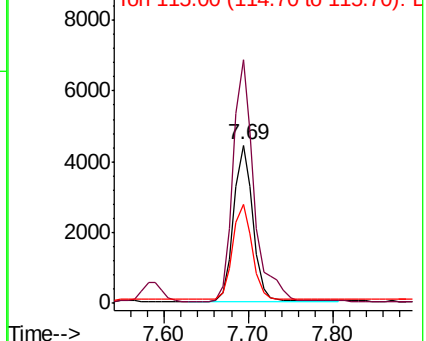
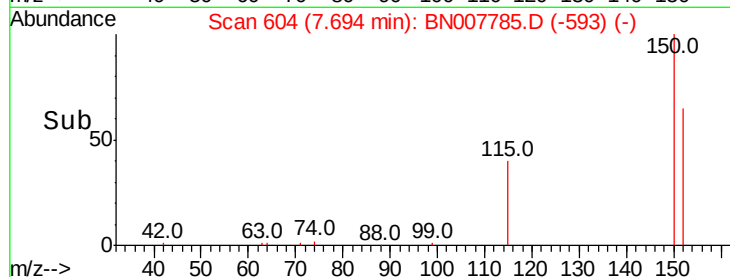
115 63.0 53.3 79.9



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: 4.492 ng

RT: 3.28 min Scan# 56

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

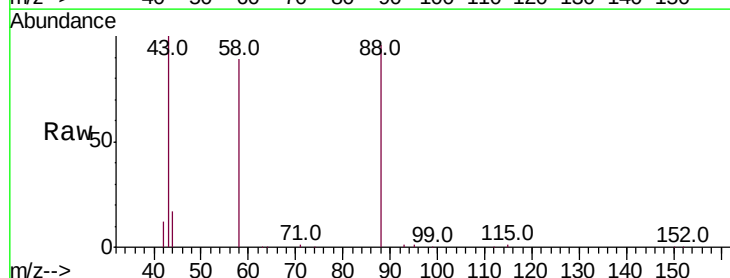
Tgt Ion: 88 Resp: 34605

Ion Ratio Lower Upper

88 100

58 59.2 44.6 66.8

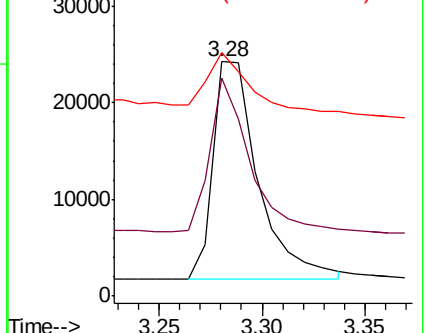
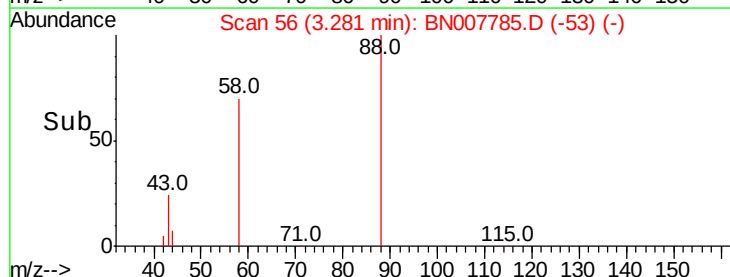
43 24.0 14.4 21.6#

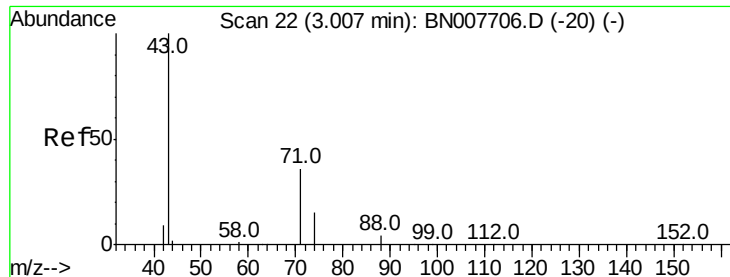


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 52.862 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

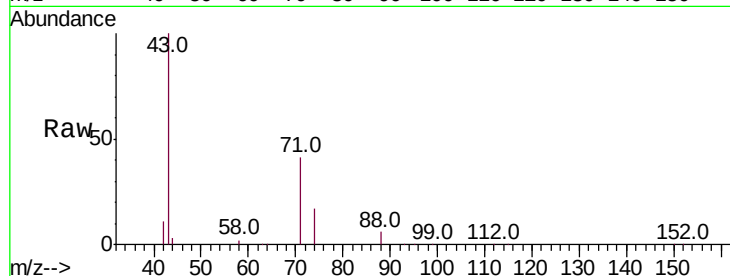
Tot Ion: 42 Resp: 186502

Ion Ratio Lower Upper

42 100

74 150.5 87.9 131.9#

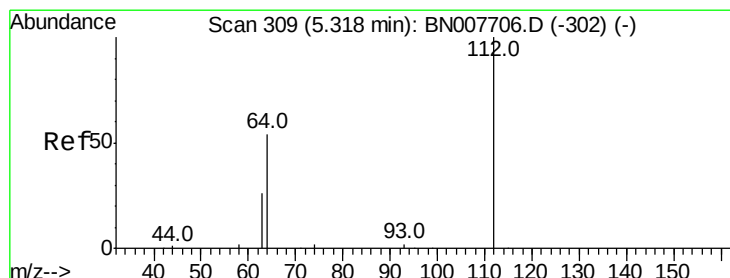
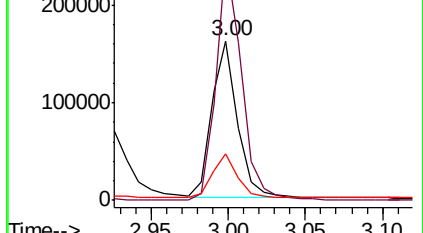
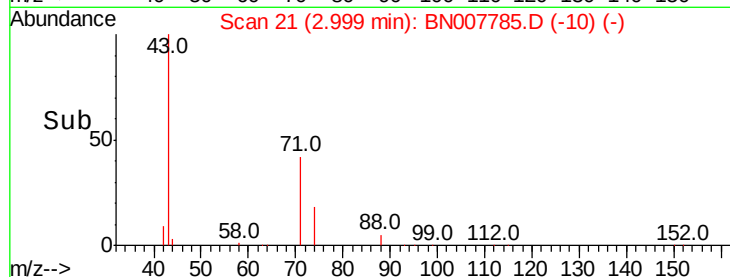
44 26.9 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BN007706.D (-20) (-)

Ion 74.00 (73.70 to 74.70): BN007785.D (-10) (-)

Ion 44.00 (43.70 to 44.70): BN007785.D (-10) (-)



#4

2-Fluorophenol

Concen: 0.106 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

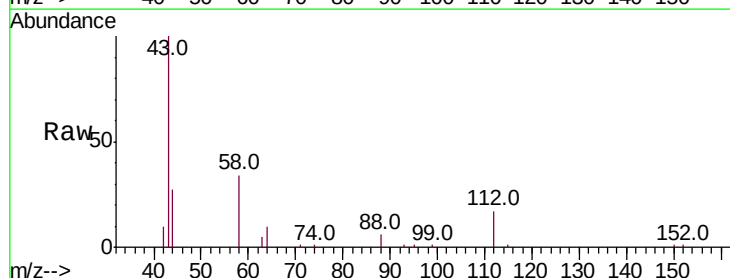
Tgt Ion: 112 Resp: 2530

Ion Ratio Lower Upper

112 100

64 59.2 46.6 70.0

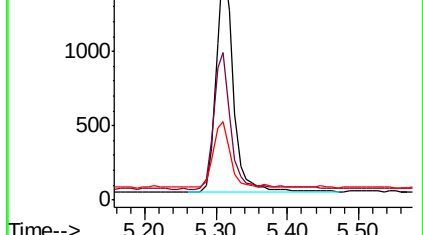
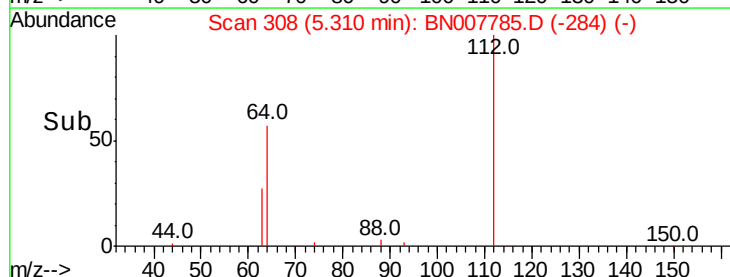
63 28.2 23.1 34.7

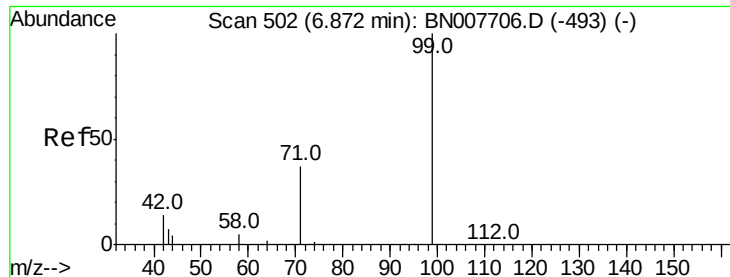


Abundance Ion 112.00 (111.70 to 112.70): BN007706.D (-302) (-)

Ion 64.00 (63.70 to 64.70): BN007785.D (-284) (-)

Ion 63.00 (62.70 to 63.70): BN007785.D (-284) (-)





#5

Phenol-d6

Concen: 0.064 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

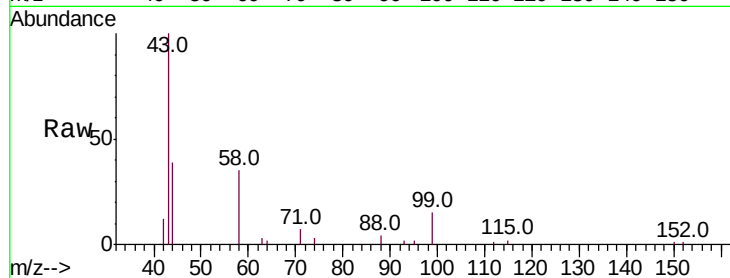
Tot Ion: 99 Resp: 2042

Ion Ratio Lower Upper

99 100

42 24.3 12.8 19.2#

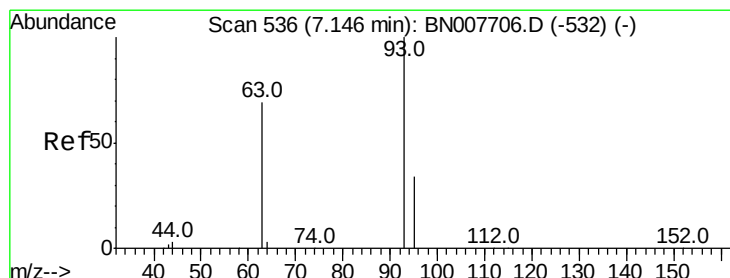
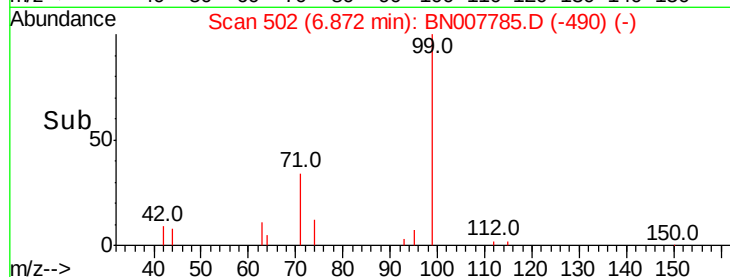
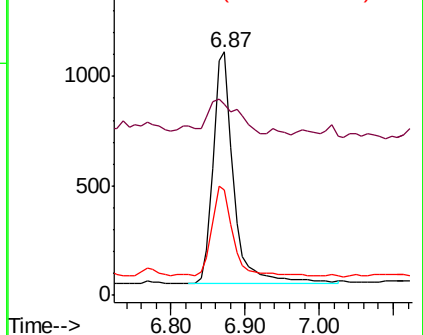
71 39.7 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.347 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

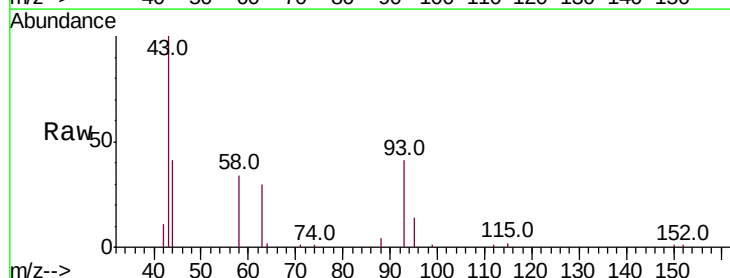
Tgt Ion: 93 Resp: 6785

Ion Ratio Lower Upper

93 100

63 70.4 59.3 88.9

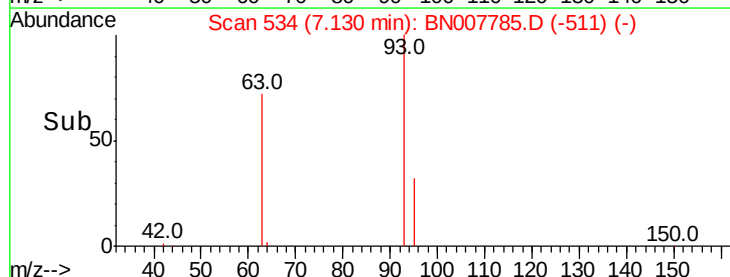
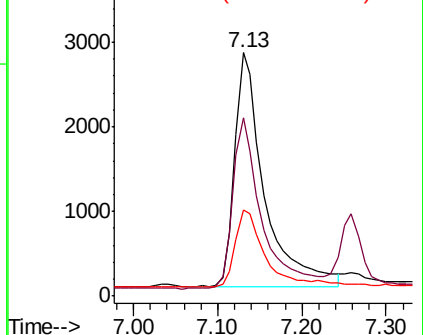
95 35.2 31.4 47.0

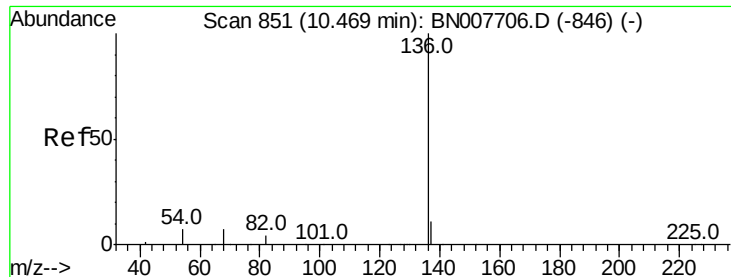


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion:136 Resp: 26622

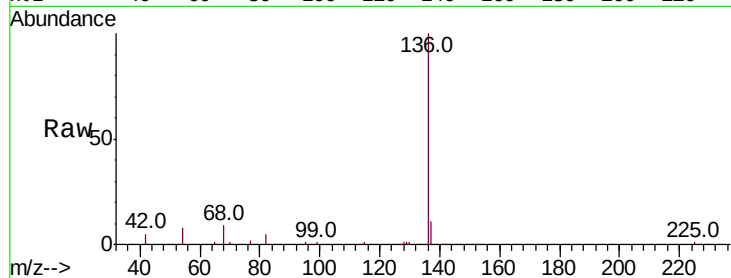
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 7.9 5.8 8.8

68 8.5 6.5 9.7

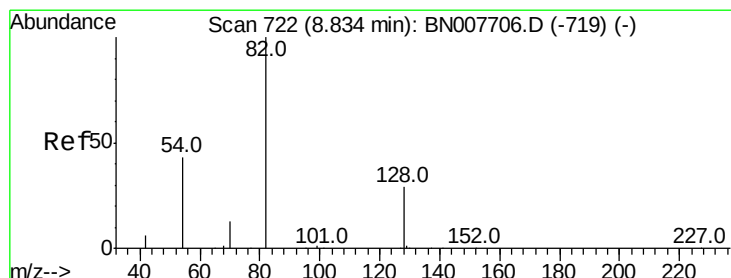
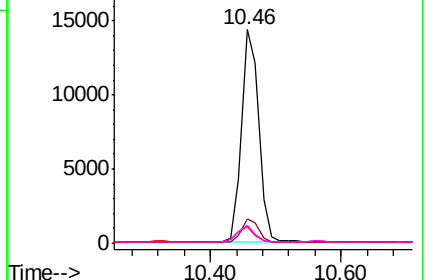
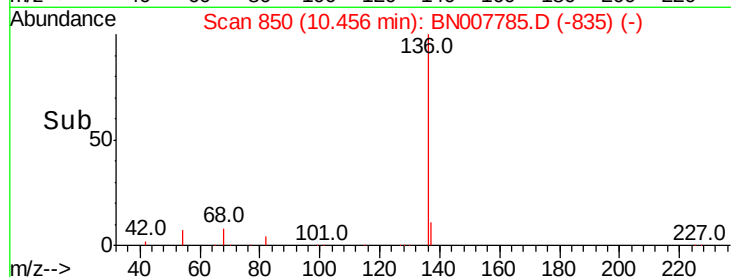


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0



#8

Nitrobenzene-d5

Concen: 0.284 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

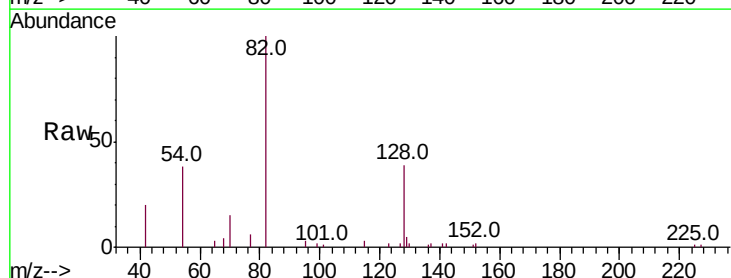
Tgt Ion: 82 Resp: 6604

Ion Ratio Lower Upper

82 100

128 38.7 24.5 36.7#

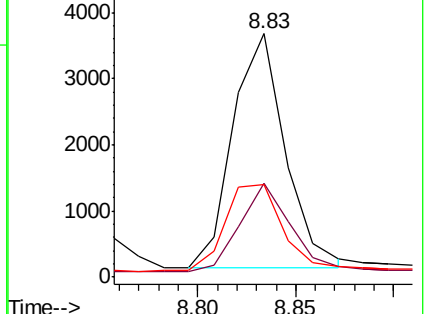
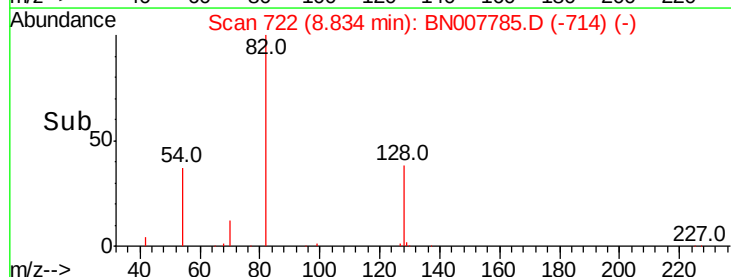
54 37.9 35.2 52.8

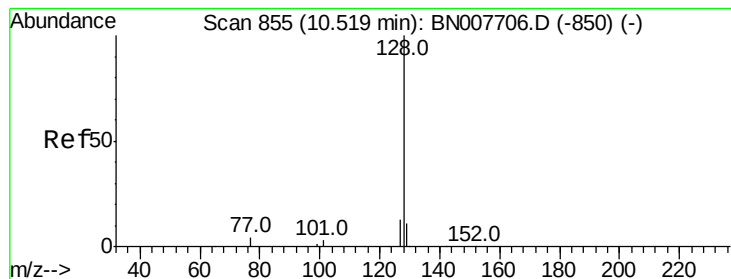


Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0





#9

Naphthalene

Concen: 0.339 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

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ClientSampleId :

RE132D2-20190916MS

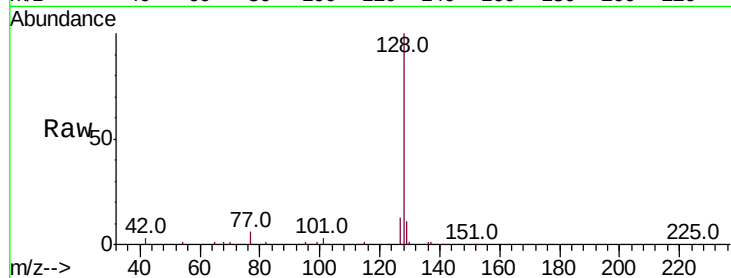
Tot Ion:128 Resp: 25311

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

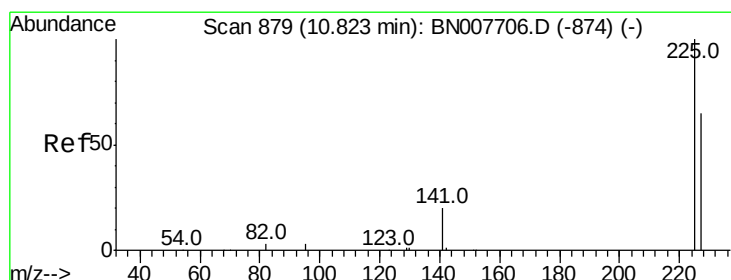
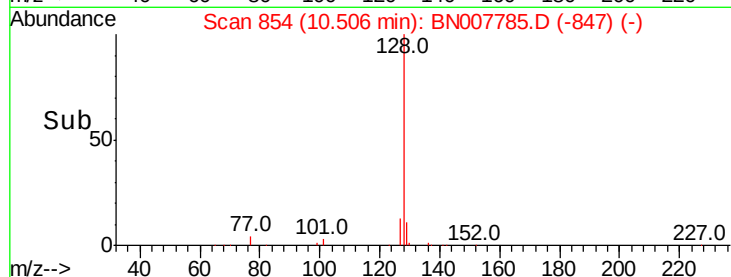
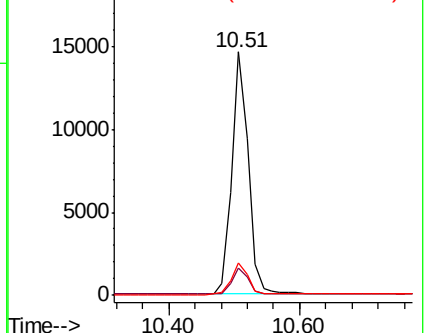
127 13.4 10.6 15.8



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: 0.302 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

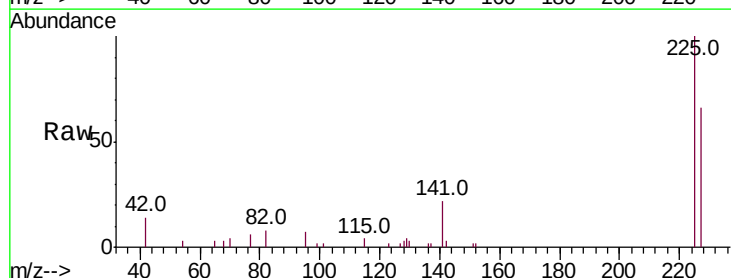
Tgt Ion:225 Resp: 4752

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

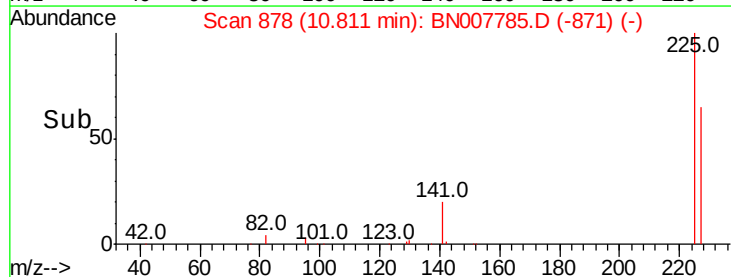
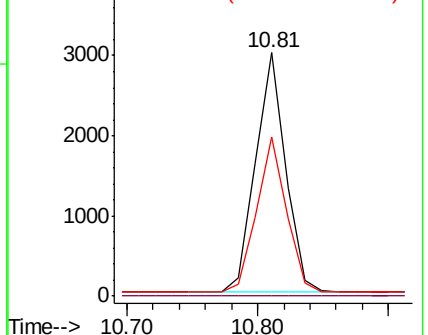
227 64.7 51.2 76.8

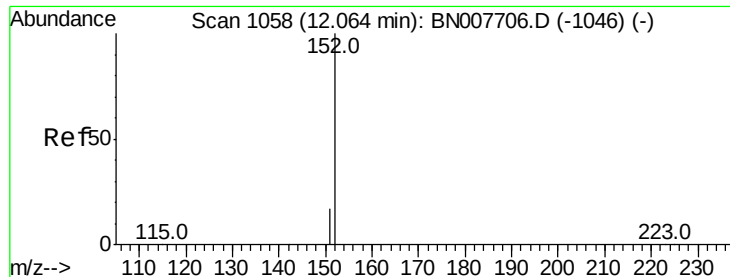


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.382 ng

RT: 12.05 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

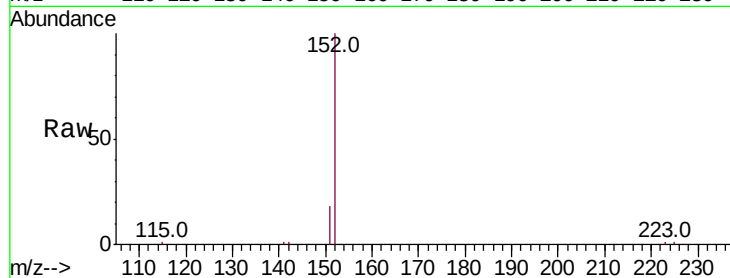
RE132D2-20190916MS

Tot Ion:152 Resp: 17112

Ion Ratio Lower Upper

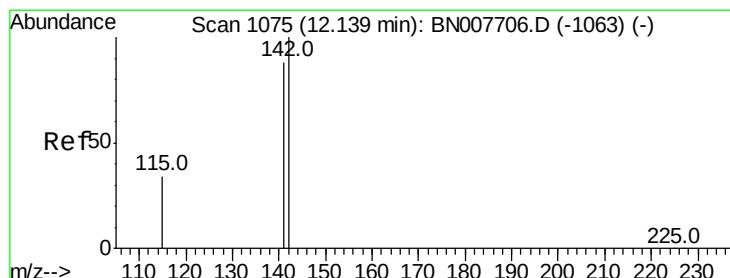
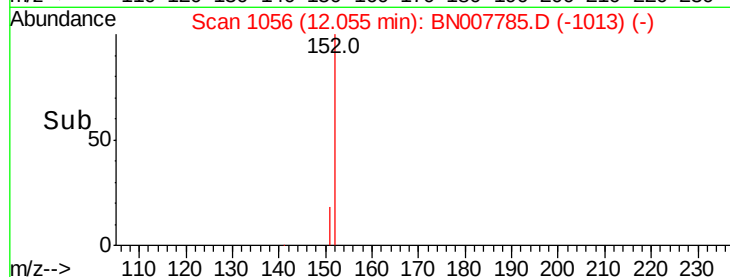
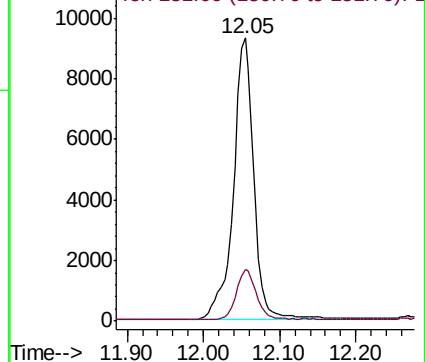
152 100

151 17.3 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.336 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

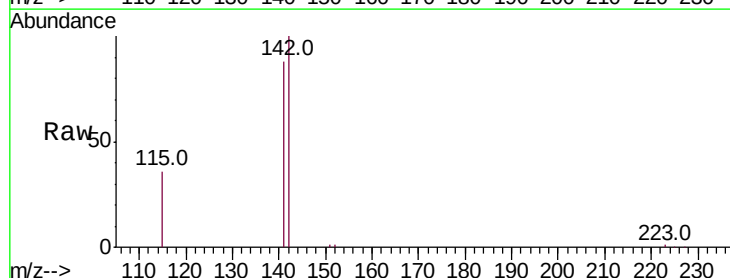
Tgt Ion:142 Resp: 16963

Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0

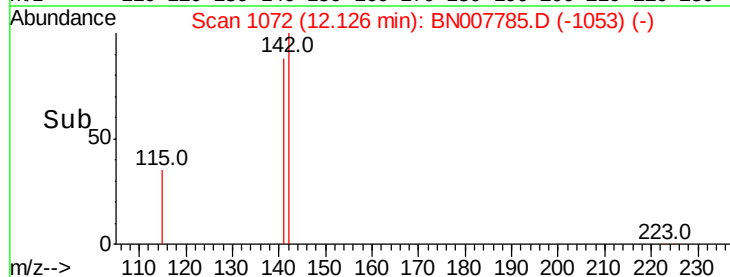
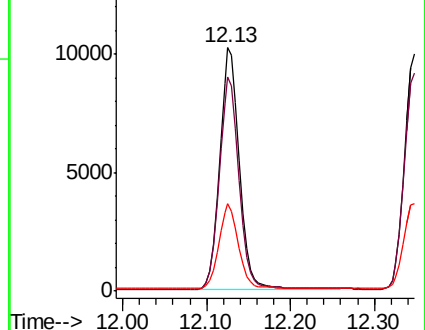
115 35.8 28.3 42.5

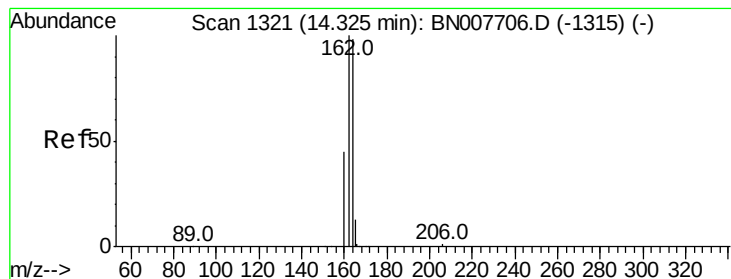


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

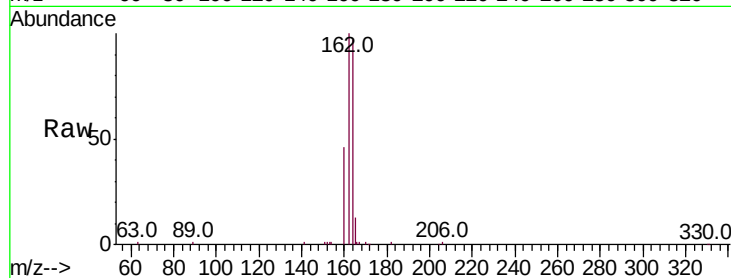
Tot Ion:164 Resp: 15447

Ion Ratio Lower Upper

164 100

162 103.0 81.7 122.5

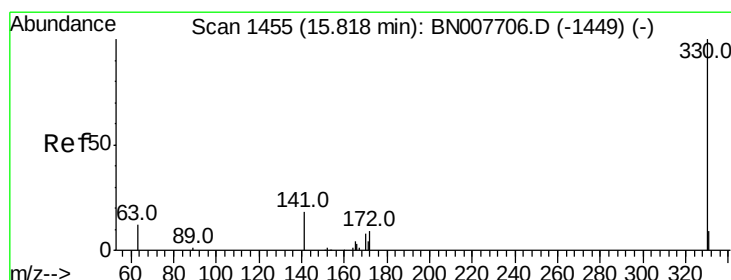
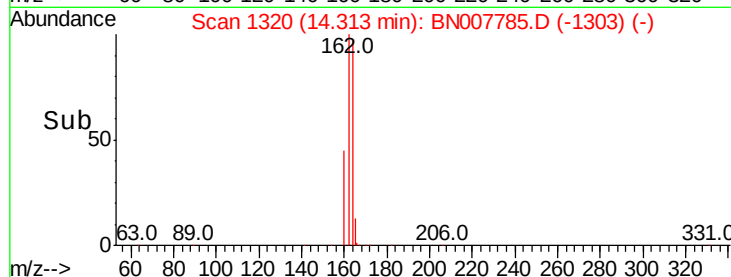
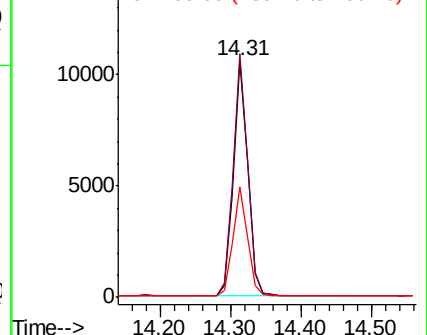
160 46.9 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.194 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

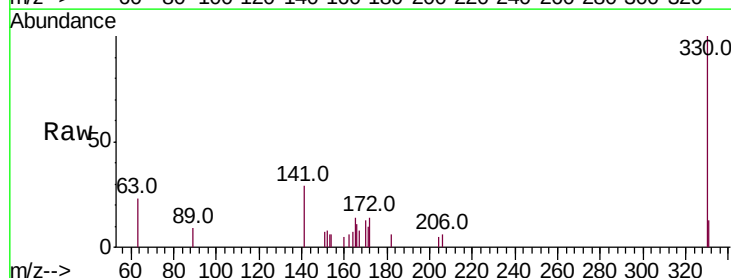
Tgt Ion:330 Resp: 1636

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

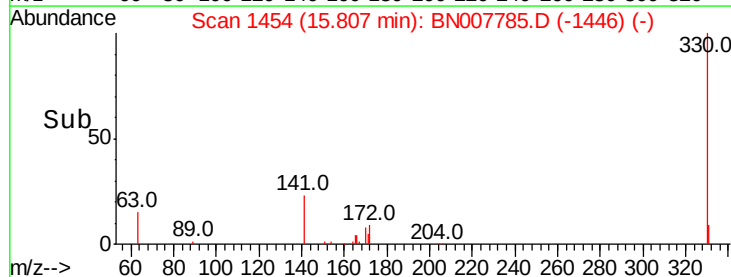
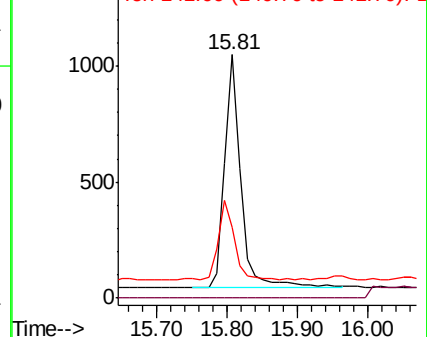
141 35.0 28.7 43.1

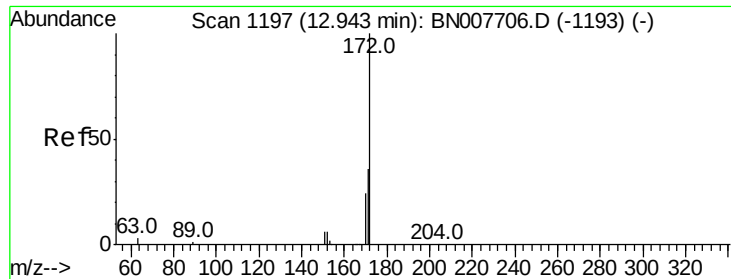


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

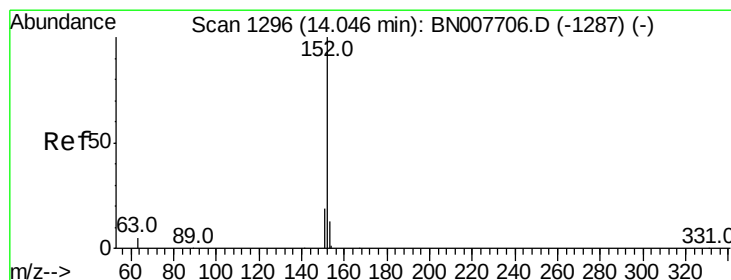
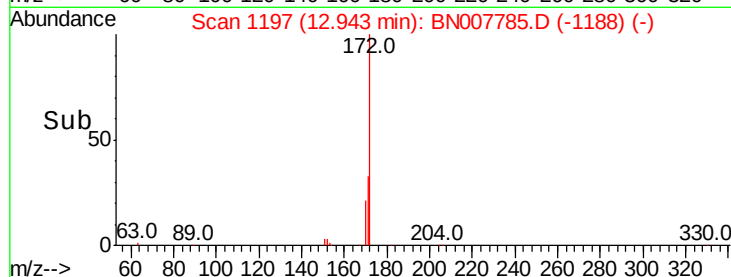
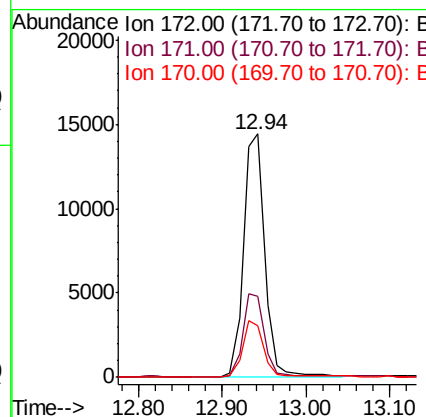
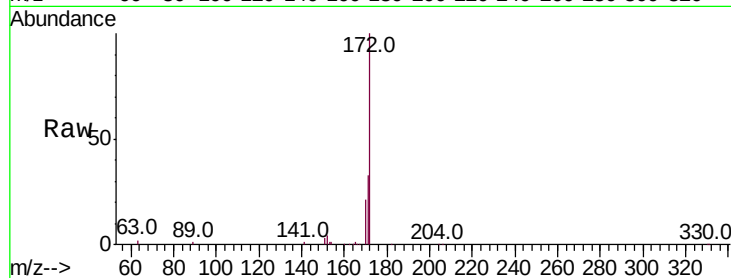




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007785.D
Acq: 21 Sep 2019 04:53

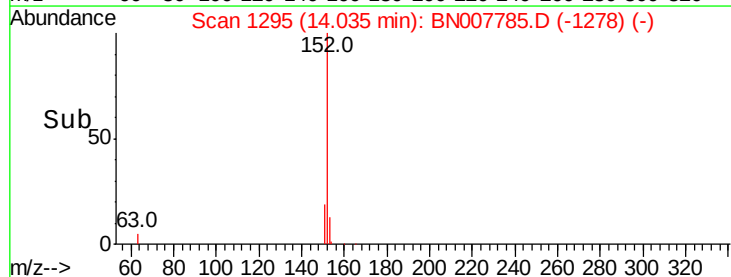
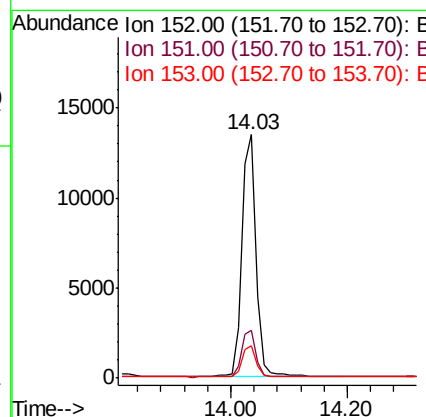
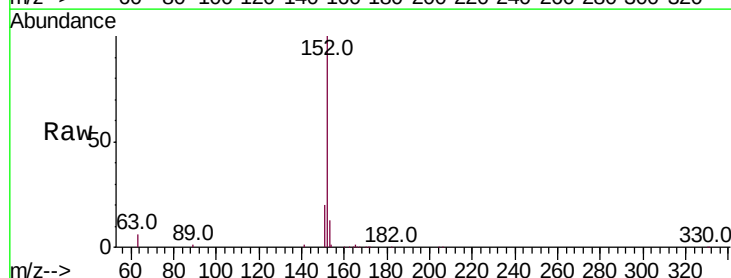
Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MS

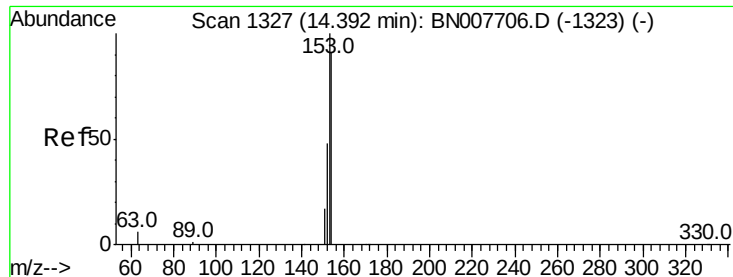
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.8	43.2
170	21.4	19.5	29.3



#16
Acenaphthylene
Concen: 0.282 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007785.D
Acq: 21 Sep 2019 04:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	12.9	10.4	15.6





#17

Acenaphthene

Concen: 0.302 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

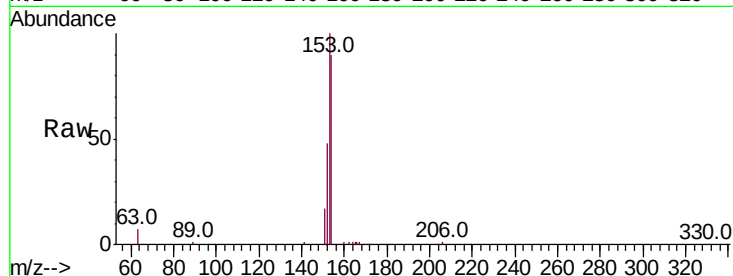
Tot Ion:154 Resp: 15958

Ion Ratio Lower Upper

154 100

153 112.2 87.0 130.4

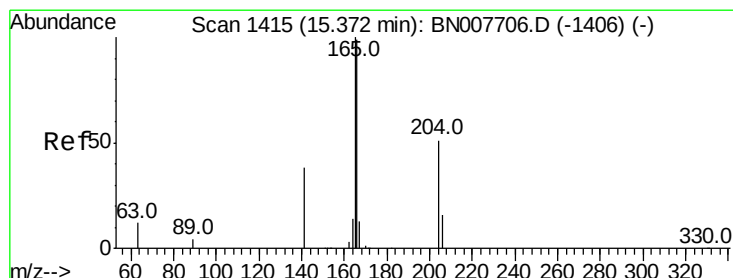
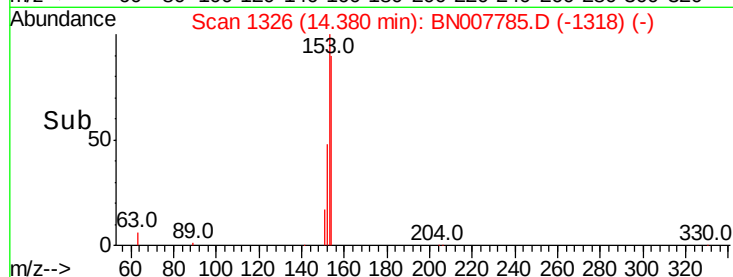
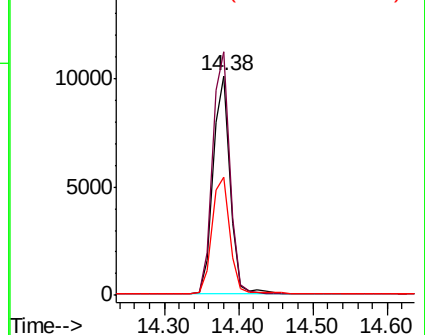
152 56.0 42.7 64.1



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: 0.297 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

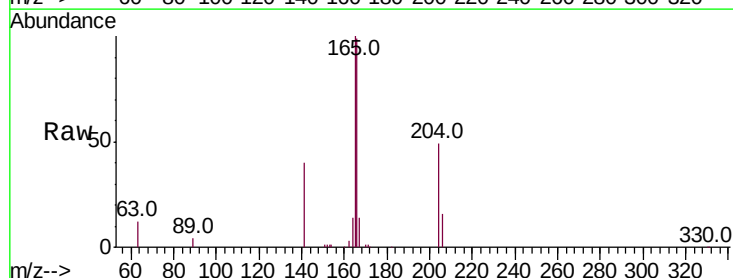
Tgt Ion:166 Resp: 20101

Ion Ratio Lower Upper

166 100

165 98.1 78.0 117.0

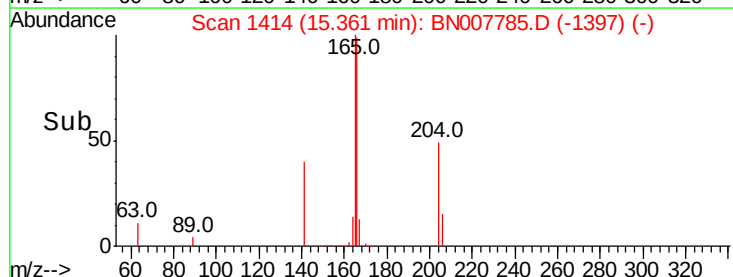
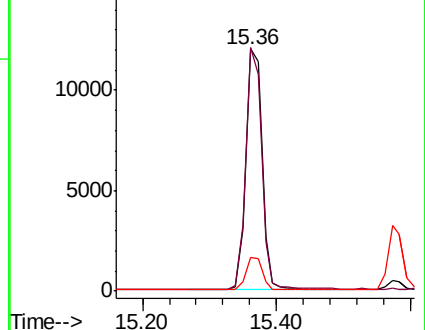
167 13.6 10.9 16.3

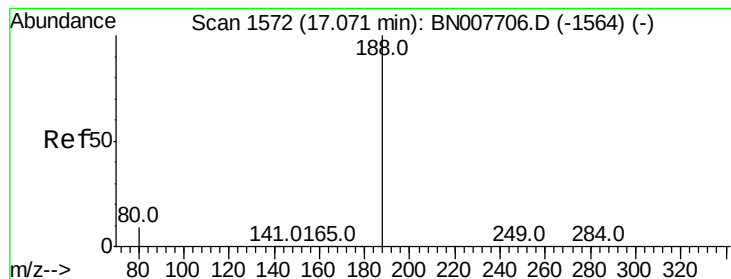


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

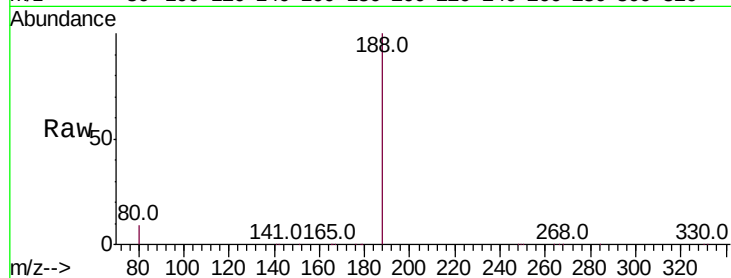
Tot Ion:188 Resp: 33009

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

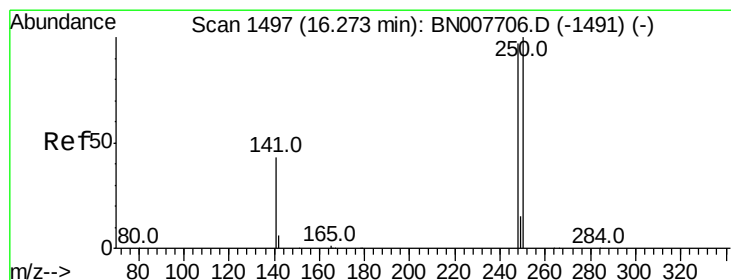
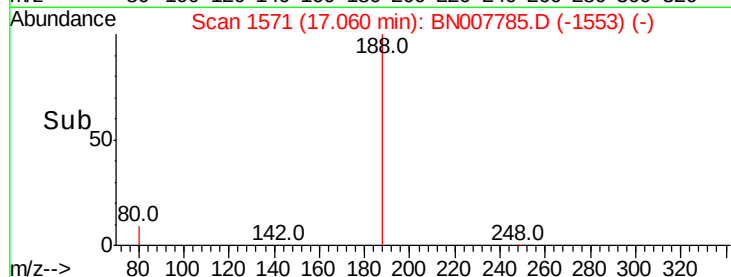
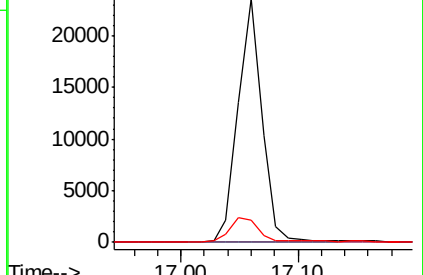
80 9.1 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.335 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

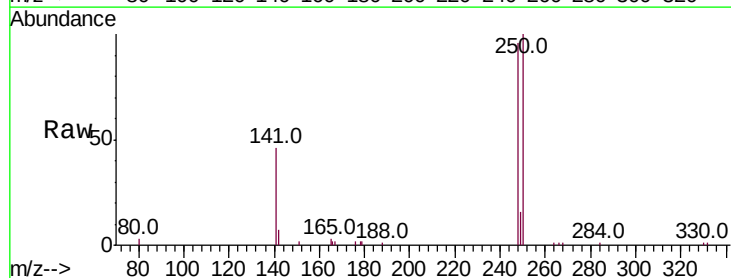
Tgt Ion:248 Resp: 6715

Ion Ratio Lower Upper

248 100

250 104.4 82.2 123.4

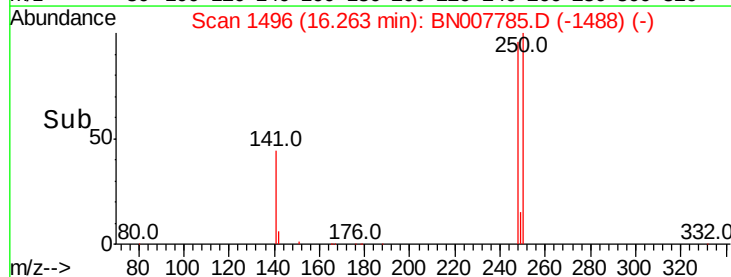
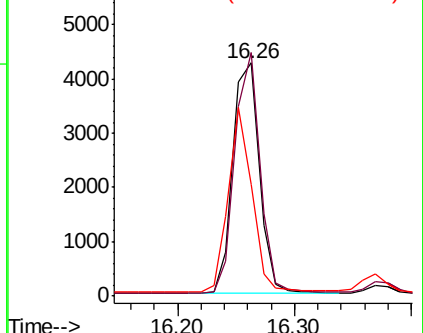
141 47.7 36.3 54.5

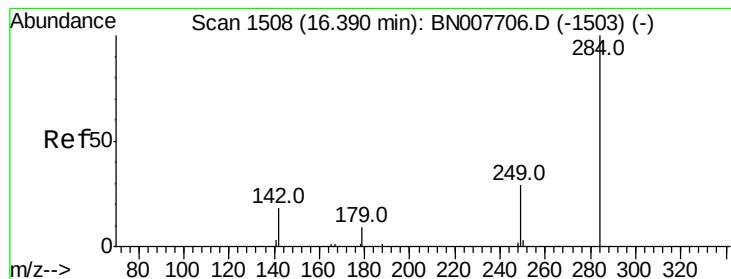


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.329 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

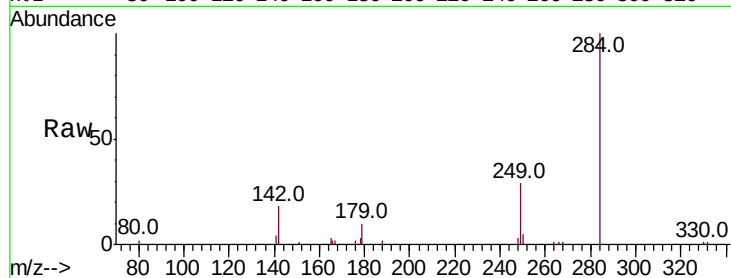
Tot Ion:284 Resp: 7196

Ion Ratio Lower Upper

284 100

142 34.4 25.8 38.6

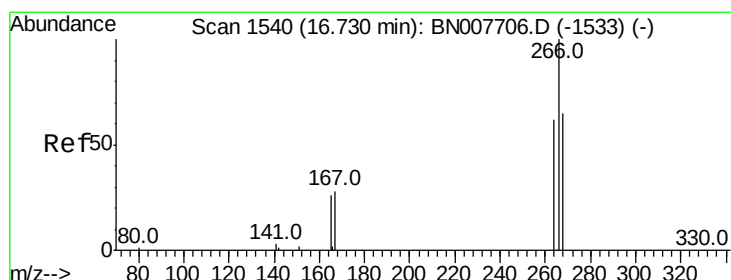
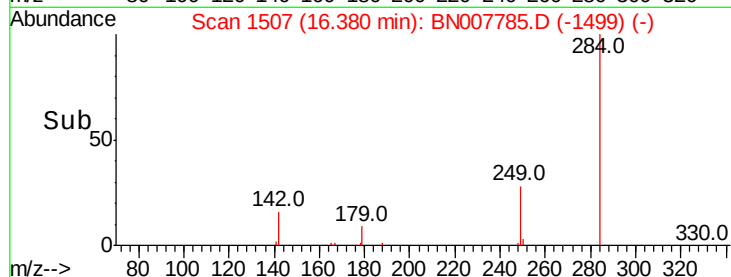
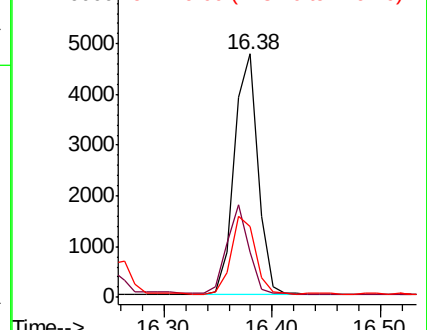
249 32.5 25.9 38.9



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: 0.452 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

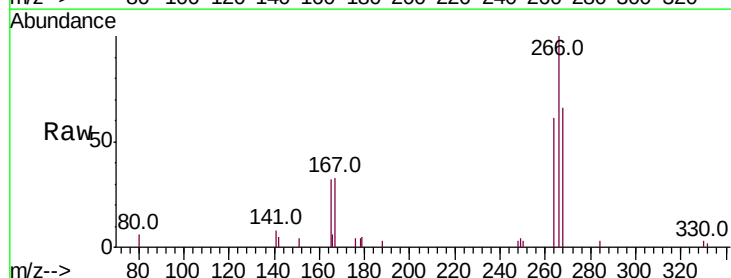
Tgt Ion:266 Resp: 3651

Ion Ratio Lower Upper

266 100

264 60.5 50.0 75.0

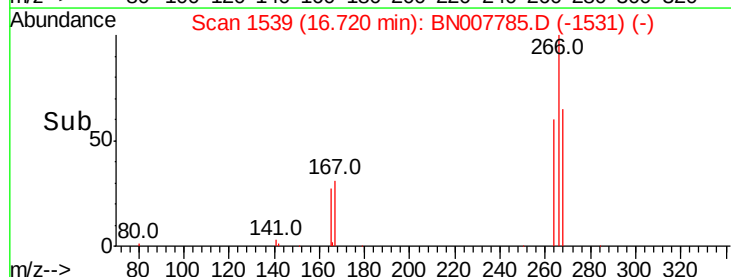
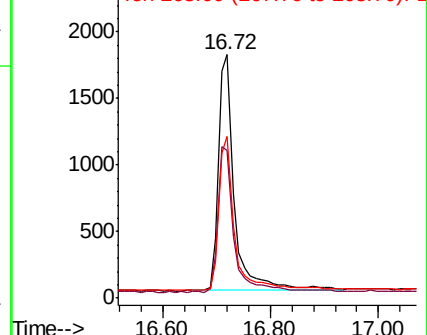
268 66.4 54.2 81.4

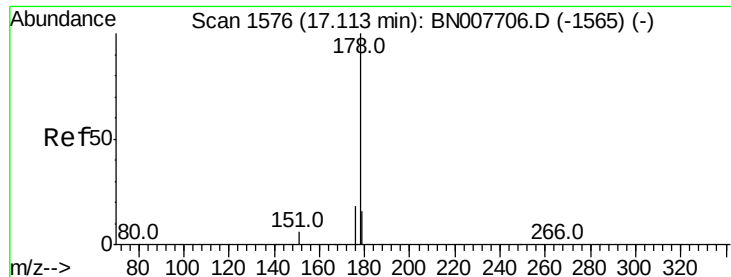


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.346 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

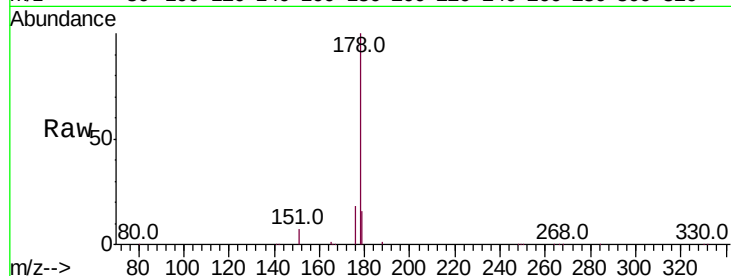
Tot Ion:178 Resp: 35592

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

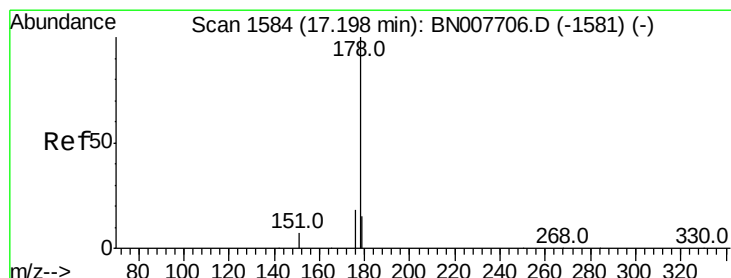
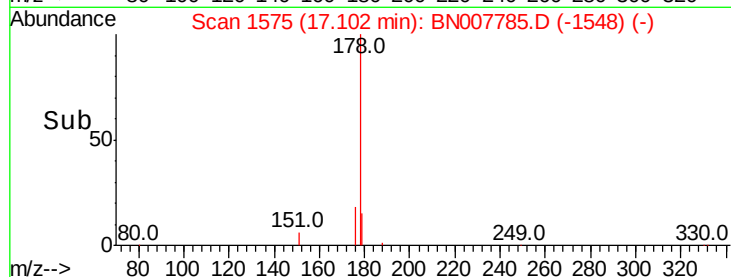
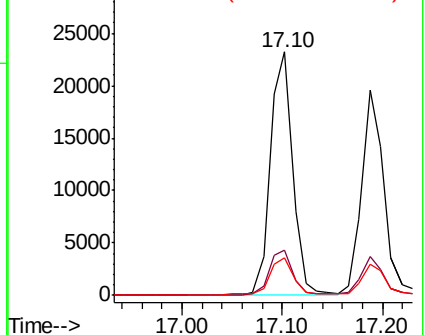
179 15.2 12.5 18.7



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: 0.324 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

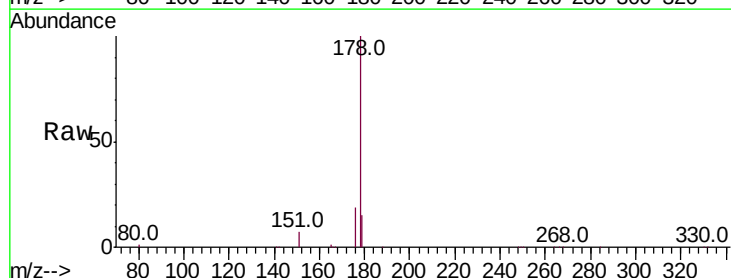
Tgt Ion:178 Resp: 30062

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

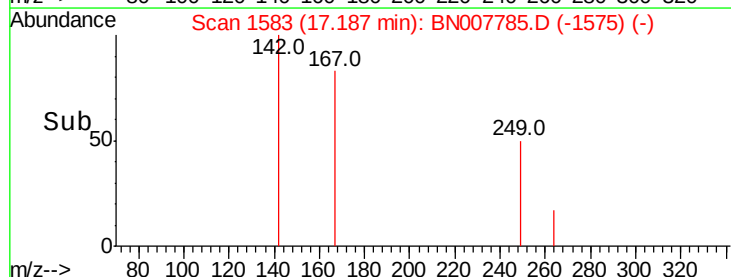
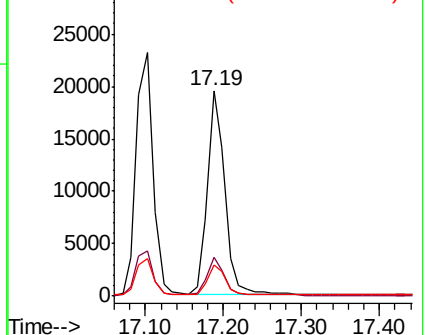
179 15.4 12.2 18.4

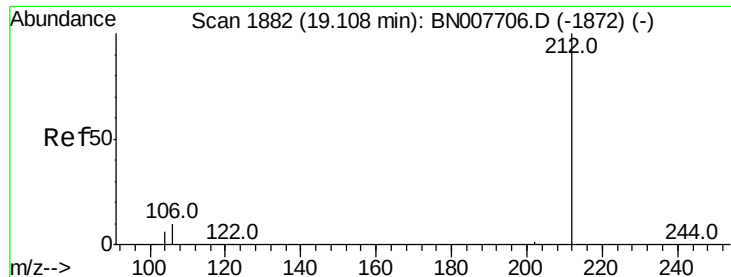


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

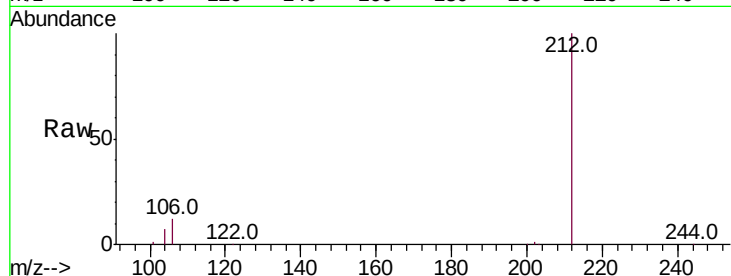
Tot Ion:212 Resp: 37545

Ion Ratio Lower Upper

212 100

106 12.0 9.4 14.0

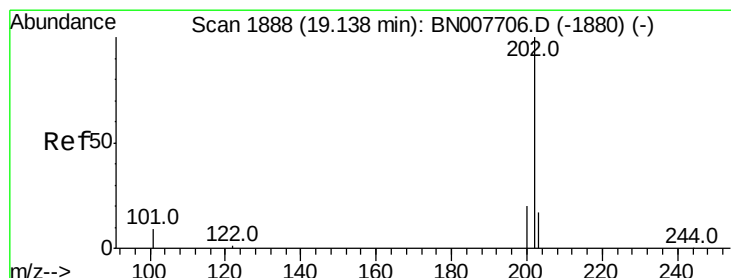
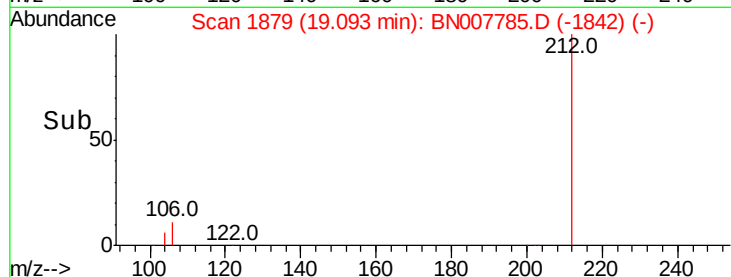
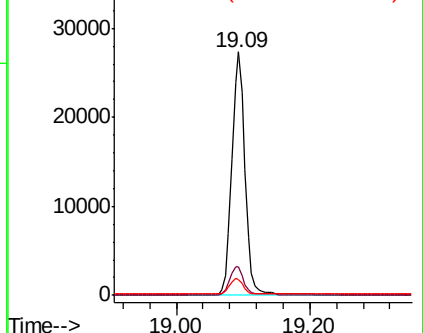
104 6.7 5.3 7.9



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: 0.331 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

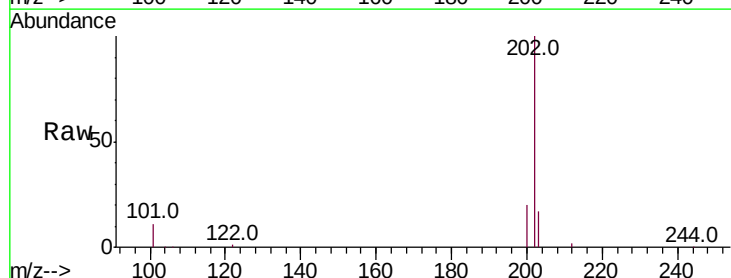
Tgt Ion:202 Resp: 42329

Ion Ratio Lower Upper

202 100

101 10.6 8.4 12.6

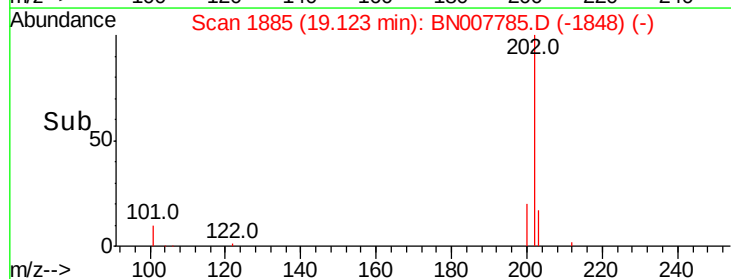
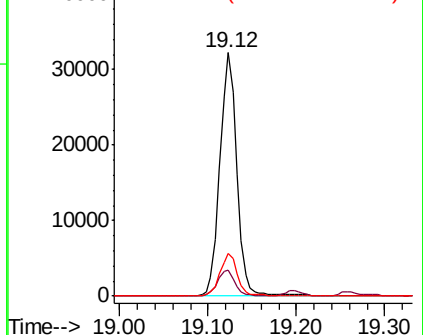
203 17.3 13.8 20.8

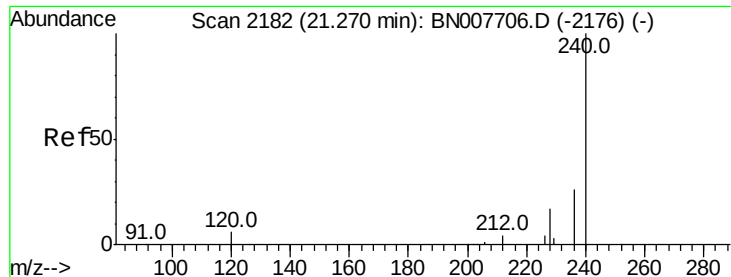


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

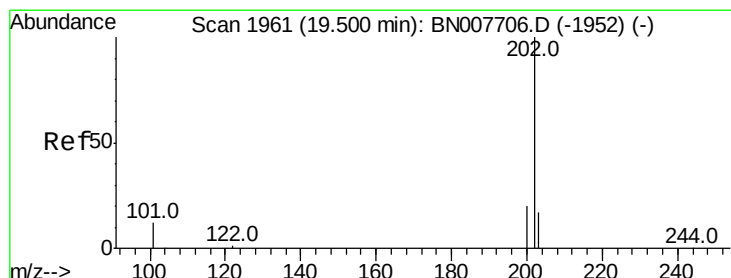
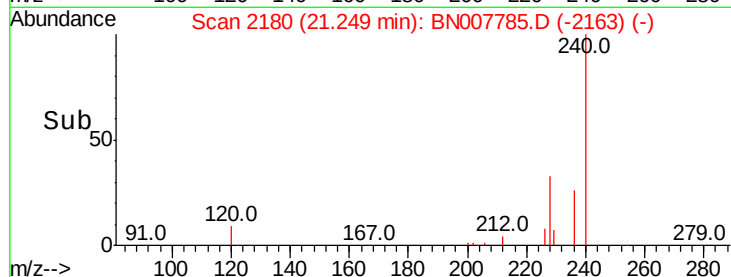
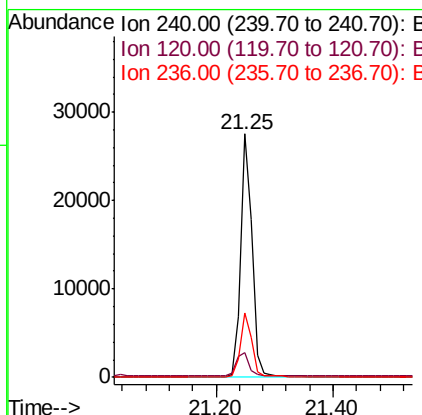
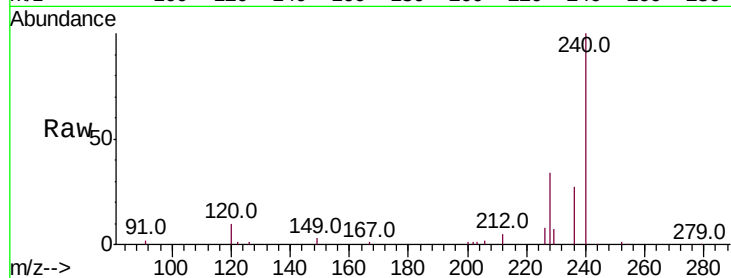




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN007785.D
 Acq: 21 Sep 2019 04:53

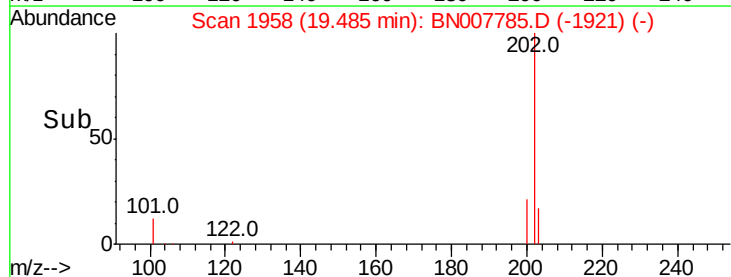
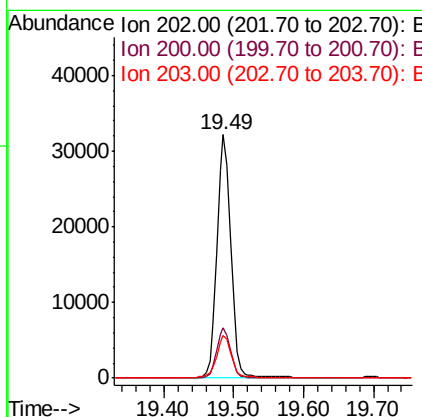
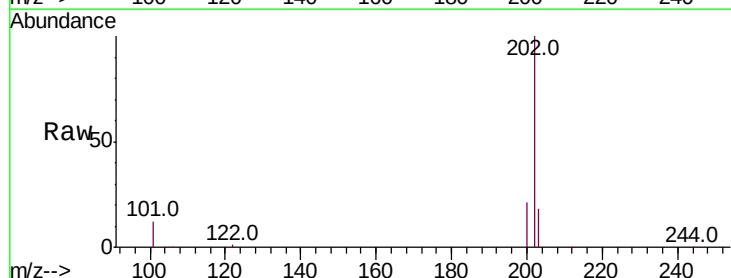
Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20190916MS

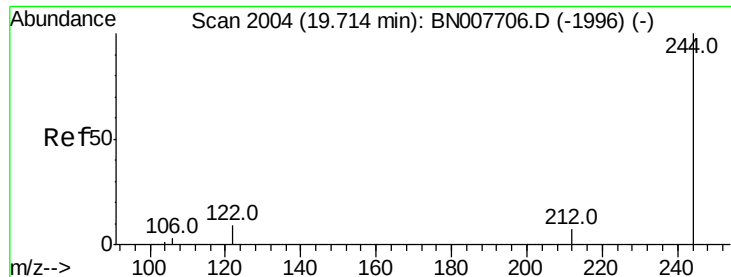
Tot Ion:240 Resp: 35830
 Ion Ratio Lower Upper
 240 100
 120 10.2 5.4 8.2#
 236 26.7 21.0 31.4



#28
 Pyrene
 Concen: 0.360 ng
 RT: 19.49 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: BN007785.D
 Acq: 21 Sep 2019 04:53

Tgt Ion:202 Resp: 43973
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.4 24.6
 203 17.8 14.1 21.1





#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

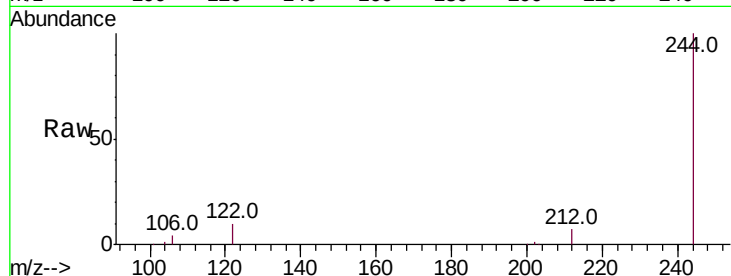
Tot Ion:244 Resp: 37220

Ion Ratio Lower Upper

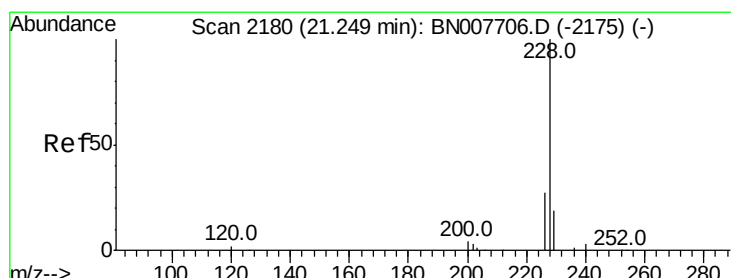
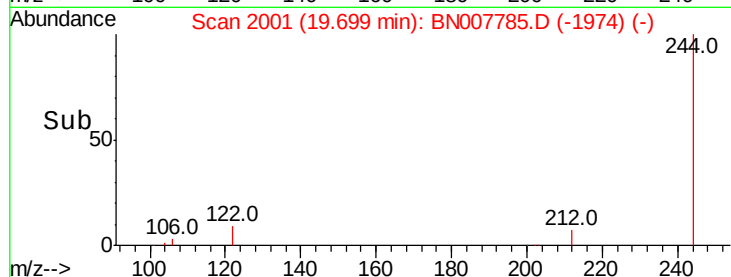
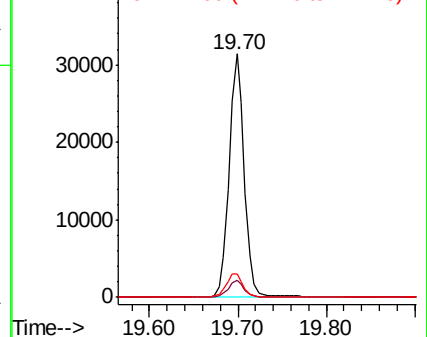
244 100

212 7.2 5.9 8.9

122 9.6 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.305 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

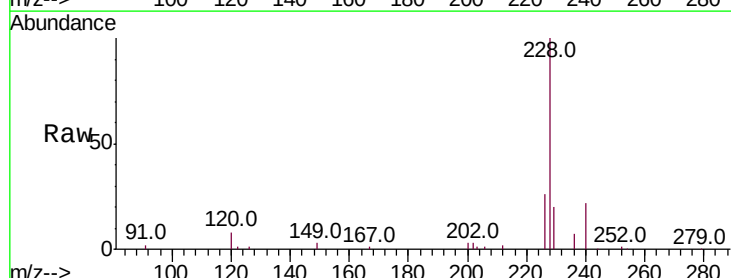
Tgt Ion:228 Resp: 40225

Ion Ratio Lower Upper

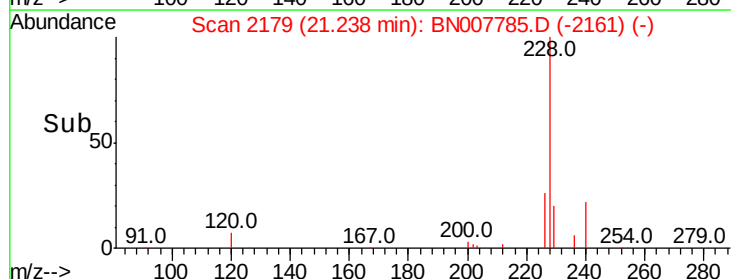
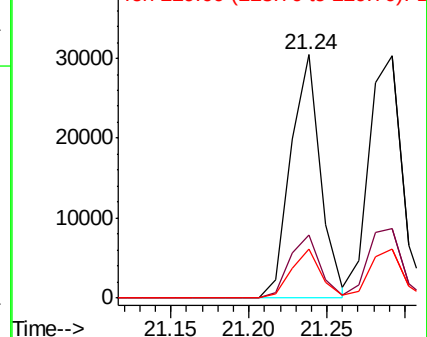
228 100

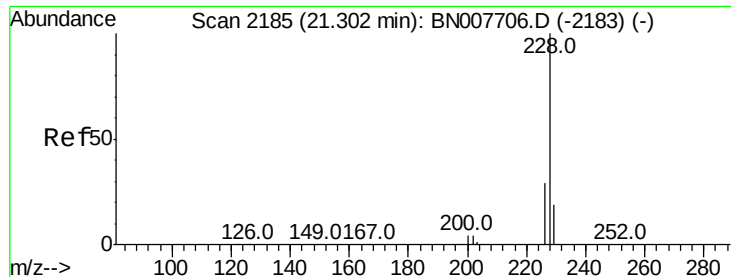
226 26.0 22.1 33.1

229 19.9 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: 0.346 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

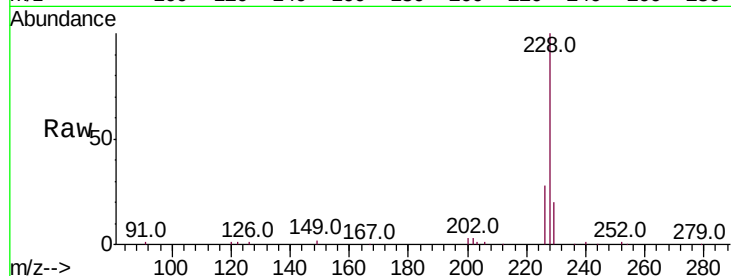
Tot Ion:228 Resp: 44459

Ion Ratio Lower Upper

228 100

226 28.4 23.9 35.9

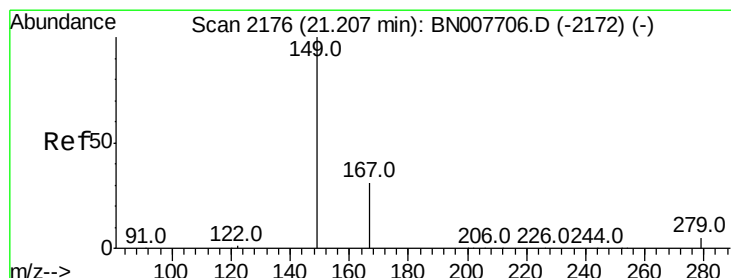
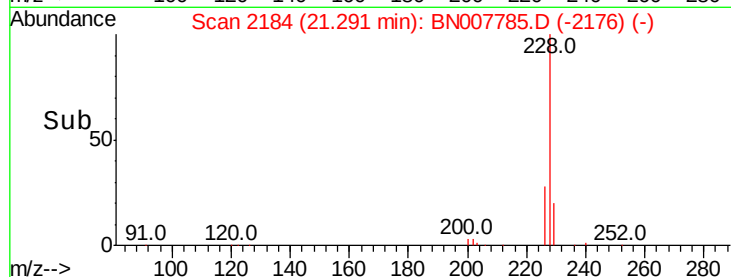
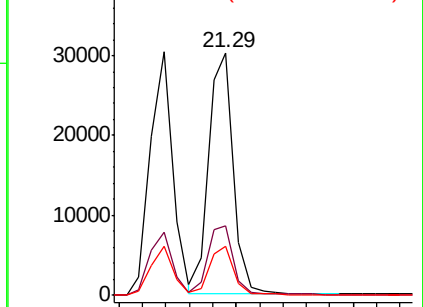
229 20.1 15.8 23.6



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: 0.231 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

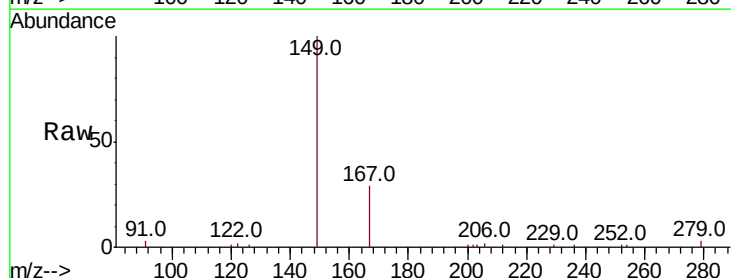
Tgt Ion:149 Resp: 15642

Ion Ratio Lower Upper

149 100

167 28.5 23.7 35.5

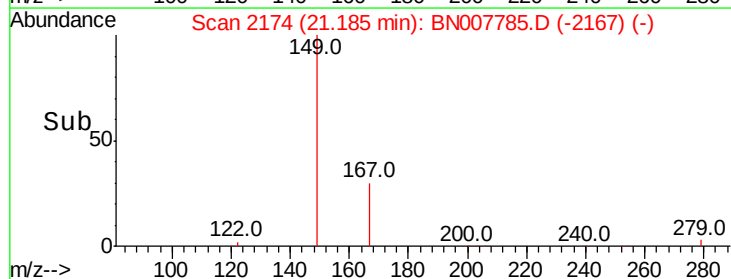
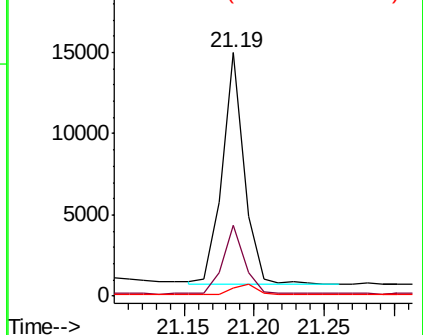
279 5.0 4.2 6.2

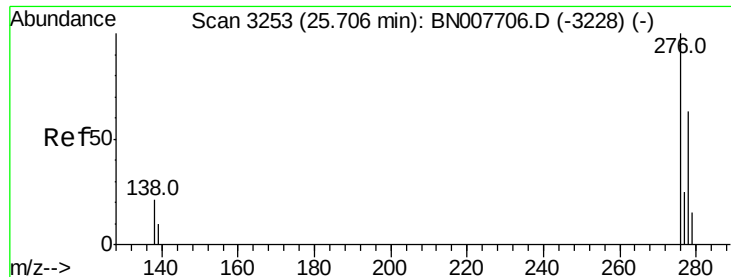


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.296 ng

RT: 25.67 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

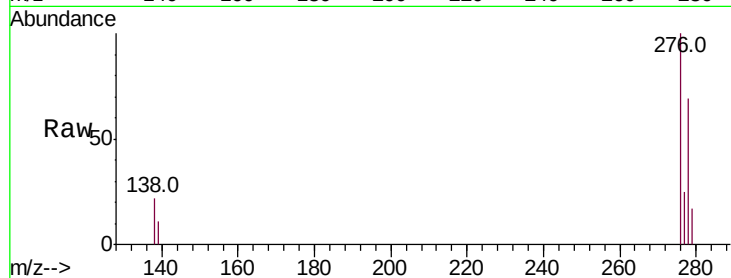
Tot Ion:276 Resp: 47715

Ion Ratio Lower Upper

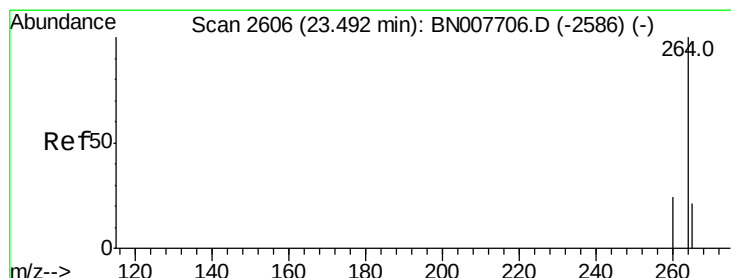
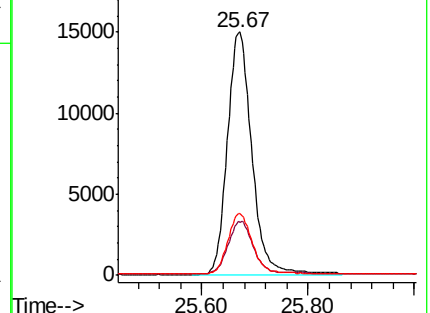
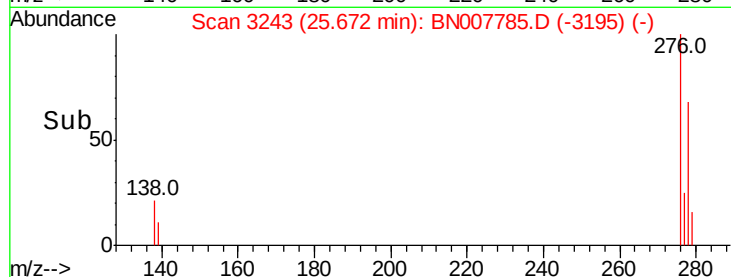
276 100

138 22.6 17.1 25.7

277 24.8 20.0 30.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.46 min Scan# 2597

Delta R.T. -0.03 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

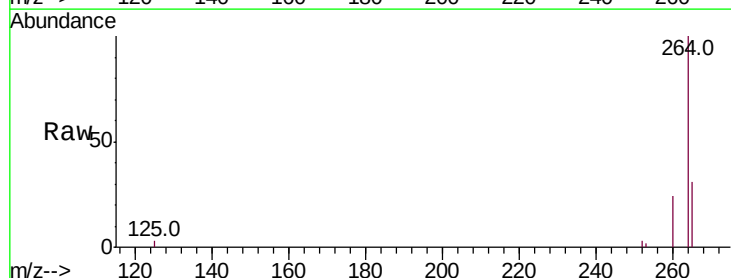
Tgt Ion:264 Resp: 38065

Ion Ratio Lower Upper

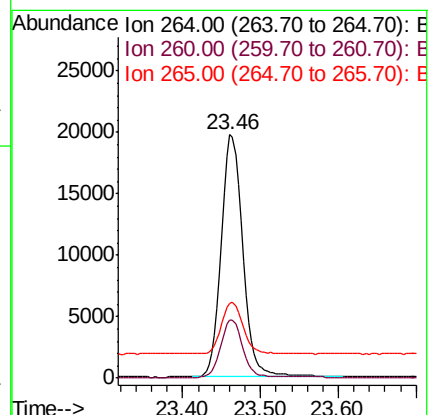
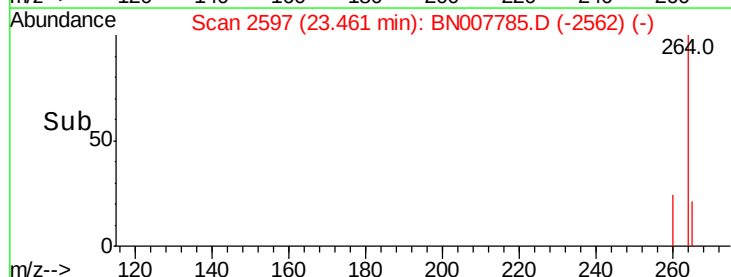
264 100

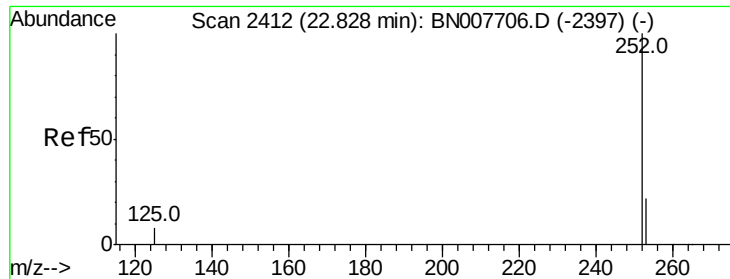
260 24.0 19.3 28.9

265 30.9 26.9 40.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

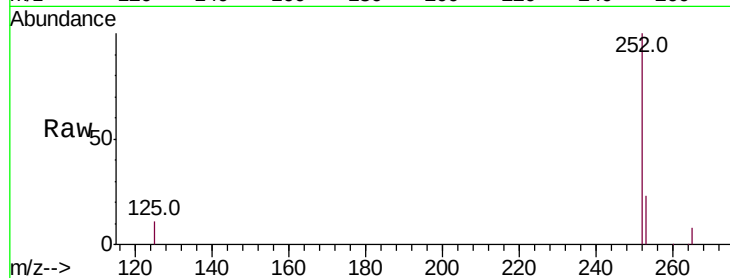




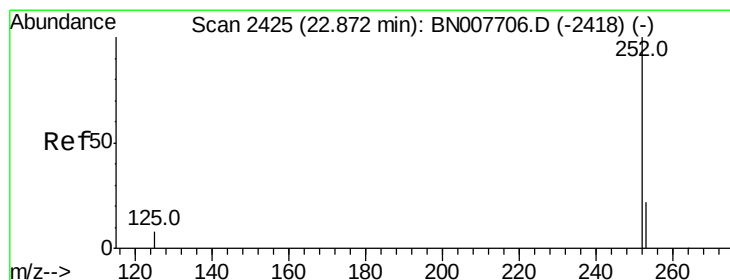
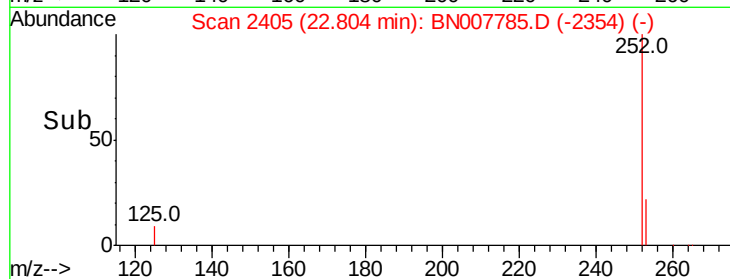
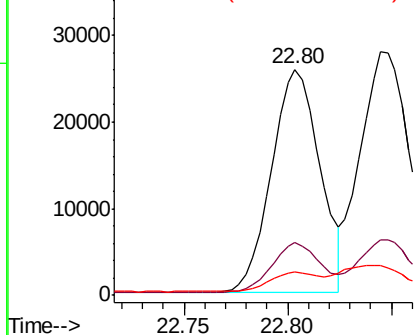
#35
Benzo(b)fluoranthene
Concen: 0.317 ng
RT: 22.80 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BN007785.D
Acq: 21 Sep 2019 04:53

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion:252 Resp: 41861
Ion Ratio Lower Upper
252 100
253 23.1 18.3 27.5
125 10.6 8.2 12.4

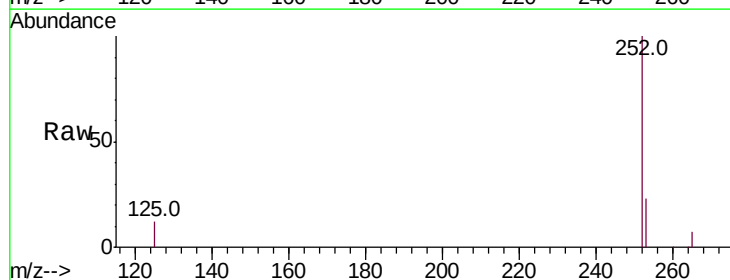


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

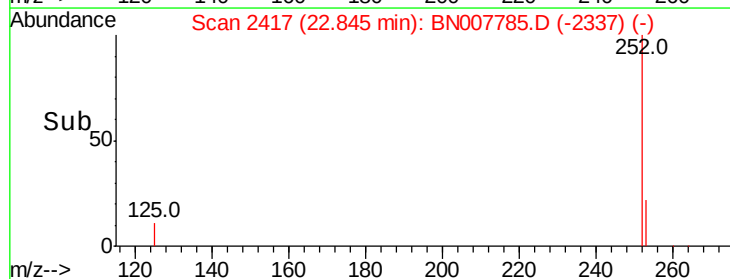
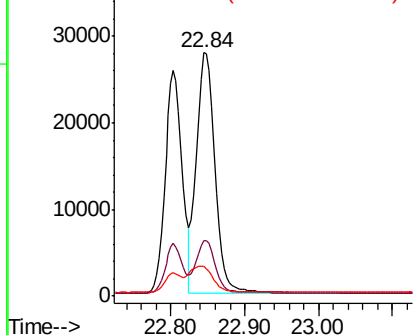


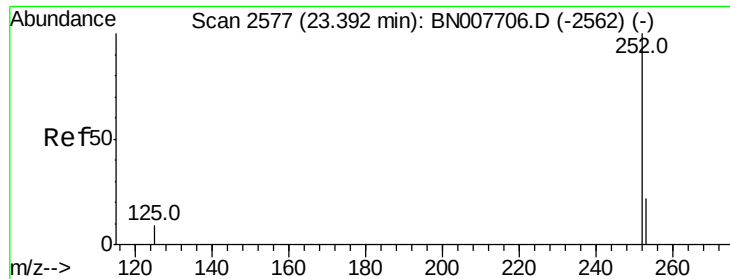
#36
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007785.D
Acq: 21 Sep 2019 04:53

Tgt Ion:252 Resp: 48594
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 12.1 8.4 12.6



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





#37

Benzo(a)pyrene

Concen: 0.314 ng

RT: 23.37 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

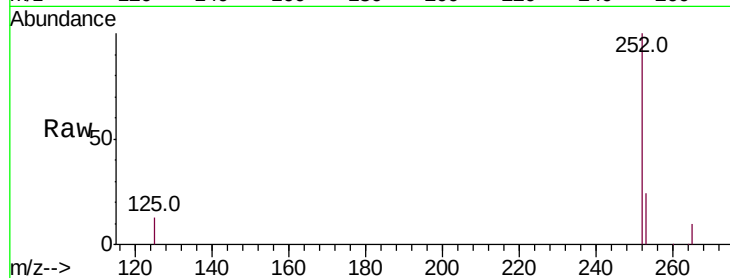
Tot Ion:252 Resp: 38993

Ion Ratio Lower Upper

252 100

253 23.6 18.6 27.8

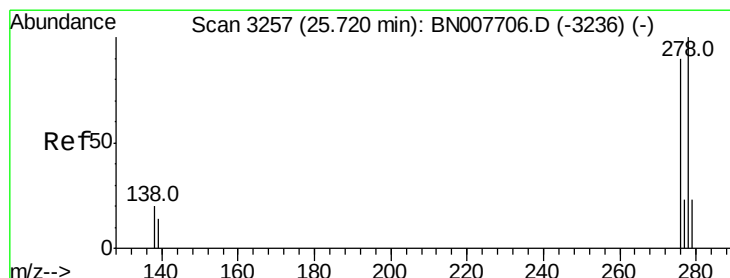
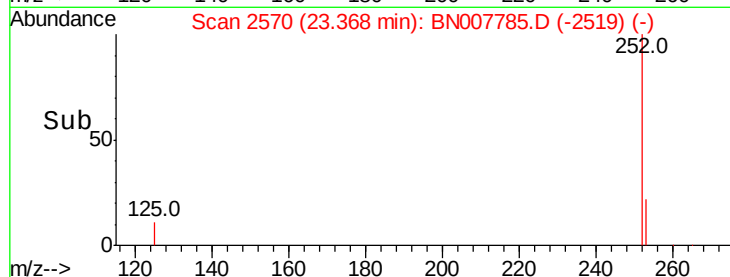
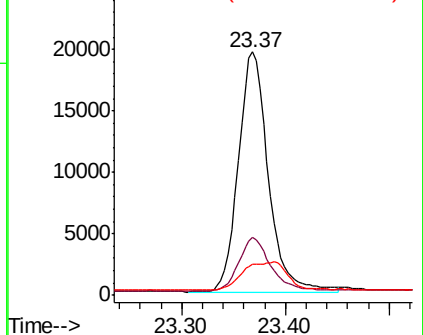
125 12.7 9.4 14.0



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: 0.311 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.03 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

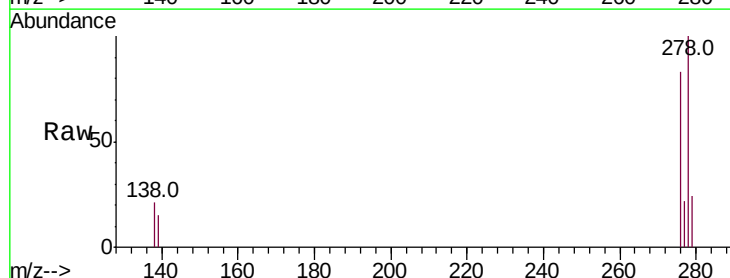
Tgt Ion:278 Resp: 39563

Ion Ratio Lower Upper

278 100

139 15.2 11.8 17.6

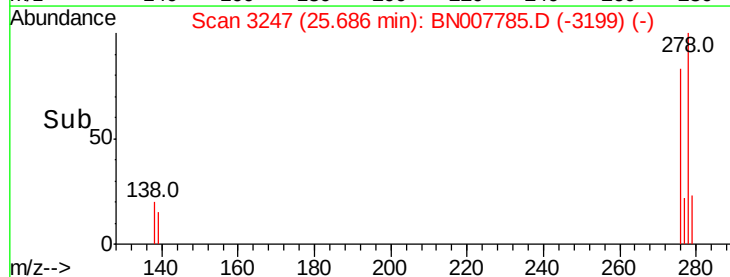
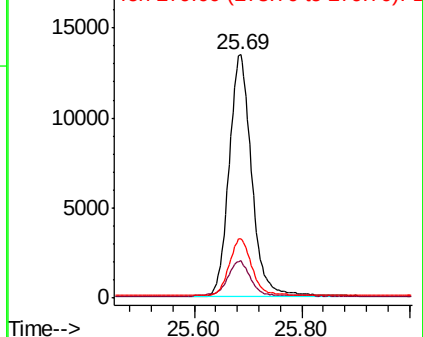
279 24.4 19.4 29.2

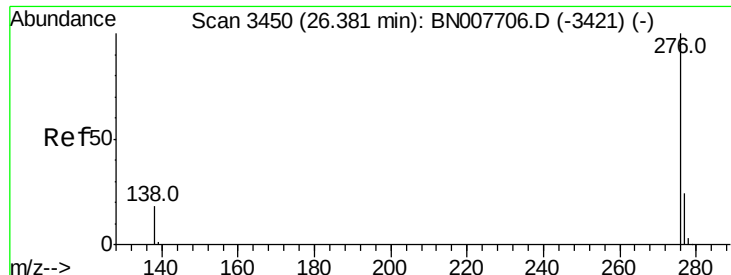


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.313 ng

RT: 26.34 min Scan# 3439

Delta R.T. -0.04 min

Lab File: BN007785.D

Acq: 21 Sep 2019 04:53

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MS

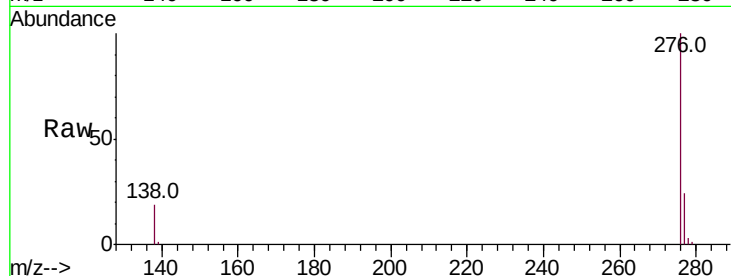
Tot Ion:276 Resp: 39409

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.8

138 19.3 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

