

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007786.D
 Acq On : 21 Sep 2019 05:29
 Operator : HP/JU
 Sample : K4974-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20190916MSD

Quant Time: Sep 21 06:20:49 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	6855	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	26219	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	15105	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	33058	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	35796	0.40	ng	-0.02
34) Perylene-d12	23.46	264	36551	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	2212	0.09	ng	0.00
5) Phenol-d6	6.86	99	1804	0.06	ng	0.00
8) Nitrobenzene-d5	8.83	82	6356	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	15614	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1558	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	22804	0.37	ng	-0.01
25) Fluoranthene-d10	19.09	212	35599	0.32	ng	-0.01
29) Terphenyl-d14	19.70	244	38030	0.43	ng	-0.01

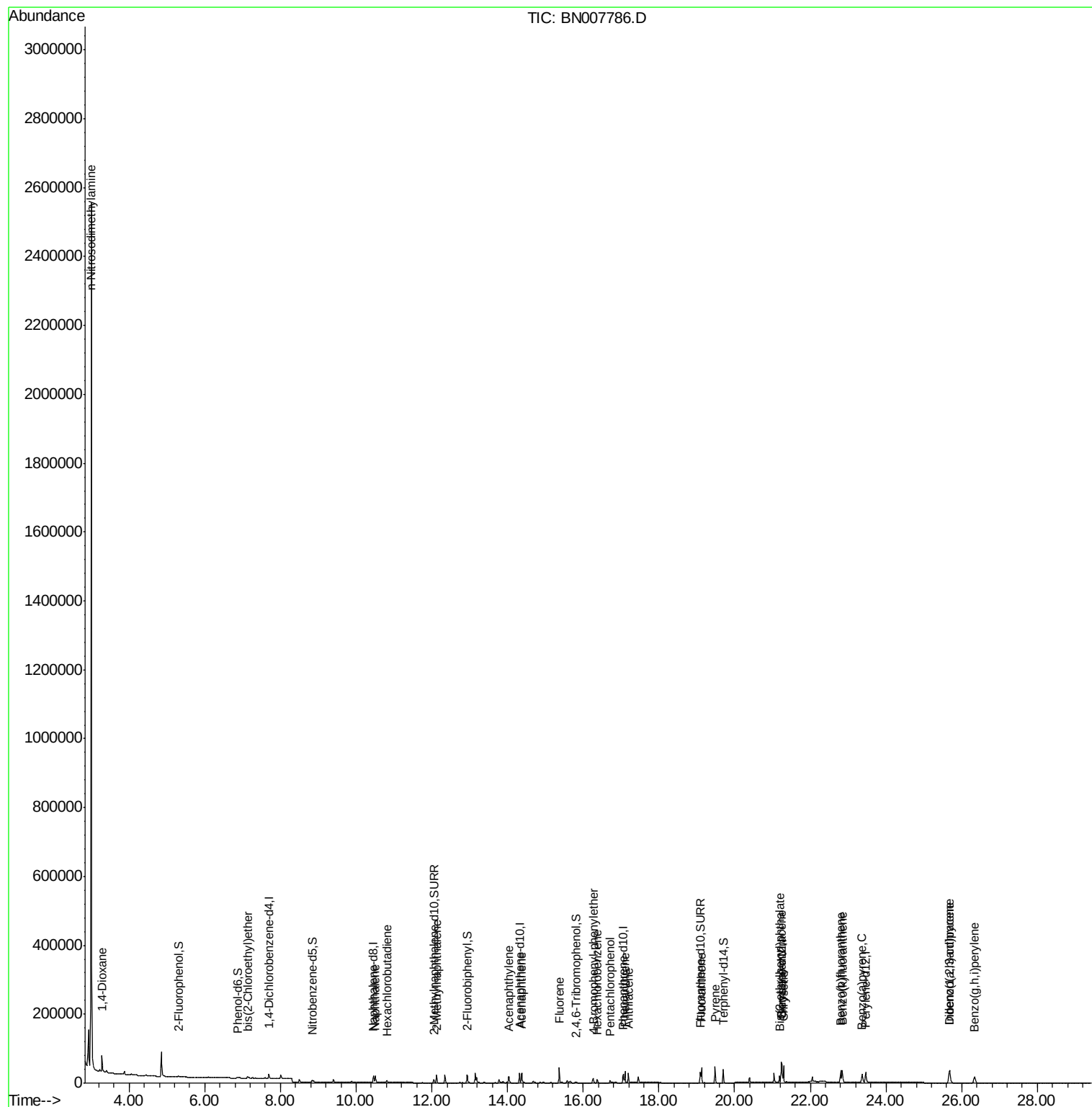
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	34291	4.488	ng	# 92
3) n-Nitrosodimethylamine	3.00	42	183624	52.471	ng	# 67
6) bis(2-Chloroethyl)ether	7.13	93	6715	0.346	ng	97
9) Naphthalene	10.51	128	25653	0.349	ng	99
10) Hexachlorobutadiene	10.81	225	4824	0.311	ng	# 100
12) 2-Methylnaphthalene	12.13	142	17096	0.344	ng	100
16) Acenaphthylene	14.04	152	23164	0.289	ng	99
17) Acenaphthene	14.38	154	15828	0.306	ng	98
18) Fluorene	15.36	166	19897	0.301	ng	100
20) 4-Bromophenyl-phenylether	16.26	248	6647	0.331	ng	100
21) Hexachlorobenzene	16.38	284	7201	0.328	ng	98
22) Pentachlorophenol	16.72	266	3478	0.430	ng	98
23) Phenanthrene	17.10	178	35442	0.344	ng	100
24) Anthracene	17.19	178	29687	0.319	ng	100
26) Fluoranthene	19.12	202	41880	0.327	ng	100
28) Pyrene	19.49	202	42255	0.346	ng	100
30) Benzo(a)anthracene	21.24	228	39748	0.302	ng	98
31) Chrysene	21.29	228	43894	0.342	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	14647	0.216	ng	97
33) Indeno(1,2,3-cd)pyrene	25.67	276	46674	0.290	ng	99
35) Benzo(b)fluoranthene	22.80	252	41311	0.326	ng	100
36) Benzo(k)fluoranthene	22.84	252	45452	0.362	ng	99
37) Benzo(a)pyrene	23.37	252	37733	0.316	ng	99
38) Dibenzo(a,h)anthracene	25.69	278	38972	0.319	ng	99
39) Benzo(g,h,i)perylene	26.34	276	39200	0.325	ng	99

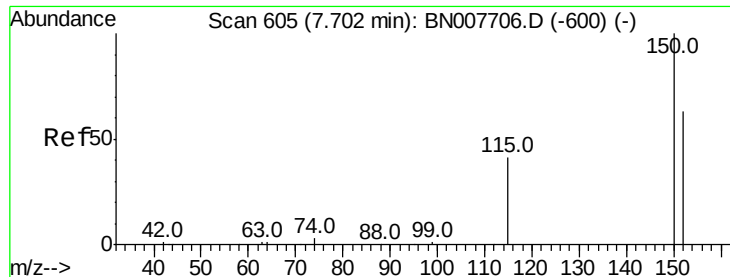
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

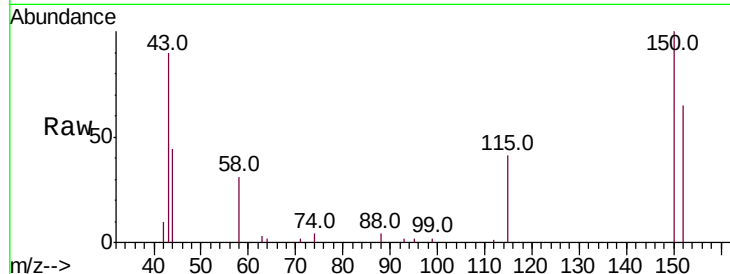
Tot Ion:152 Resp: 6855

Ion Ratio Lower Upper

152 100

150 153.2 125.6 188.4

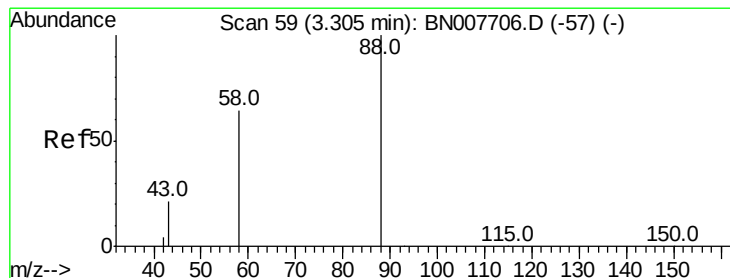
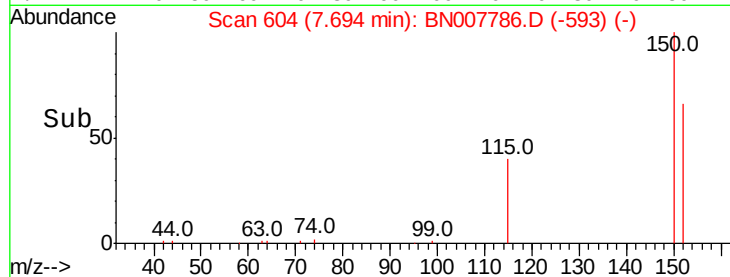
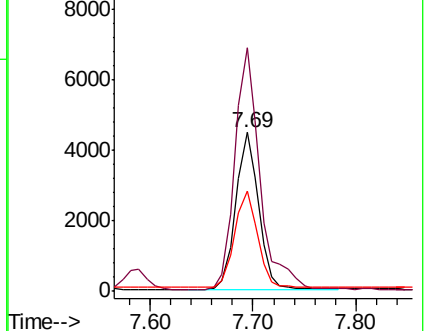
115 62.9 53.3 79.9



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: 4.488 ng

RT: 3.28 min Scan# 56

Delta R.T. -0.02 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

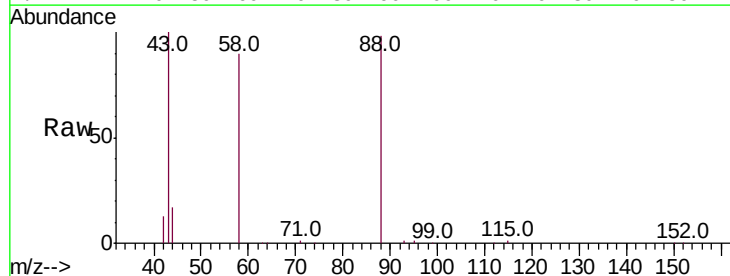
Tgt Ion: 88 Resp: 34291

Ion Ratio Lower Upper

88 100

58 59.4 44.6 66.8

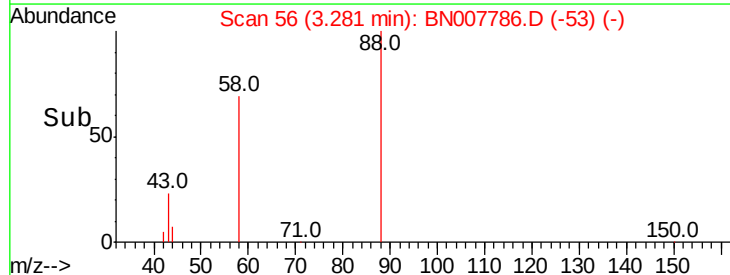
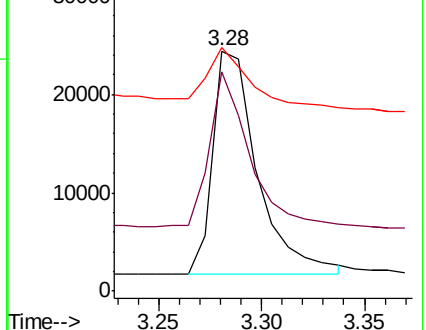
43 24.9 14.4 21.6#

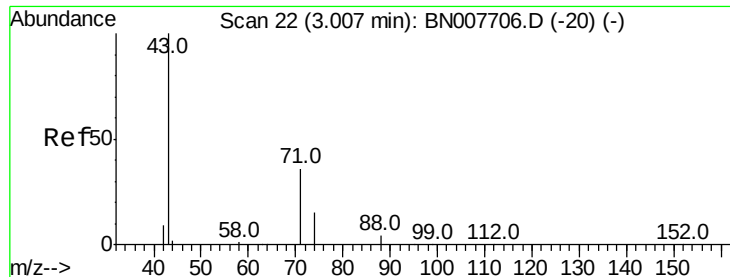


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

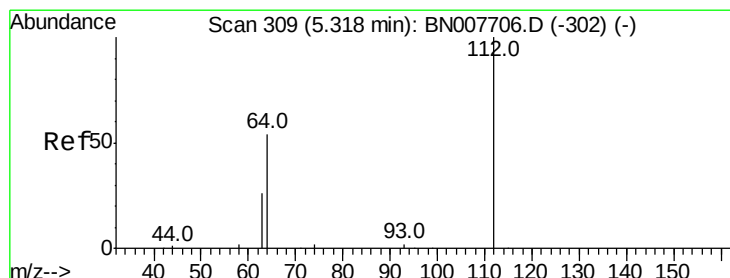
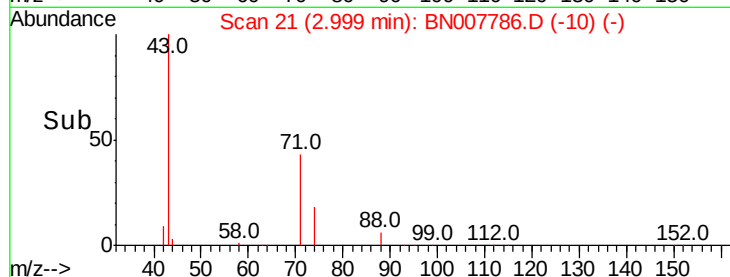
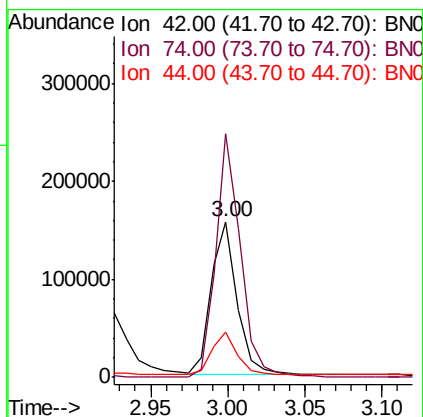
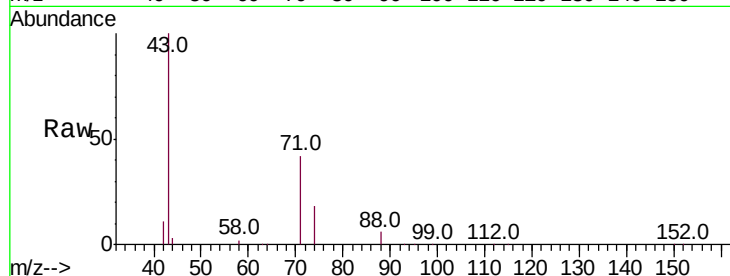




#3
n-Nitrosodimethylamine
Concen: 52.471 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

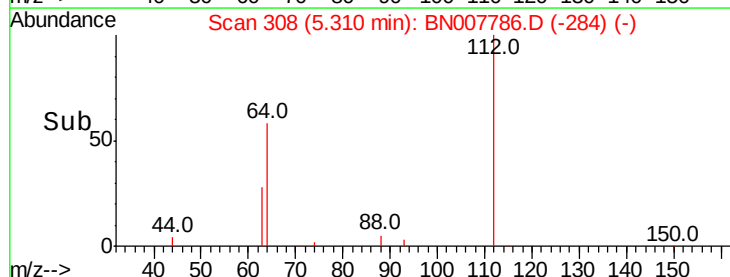
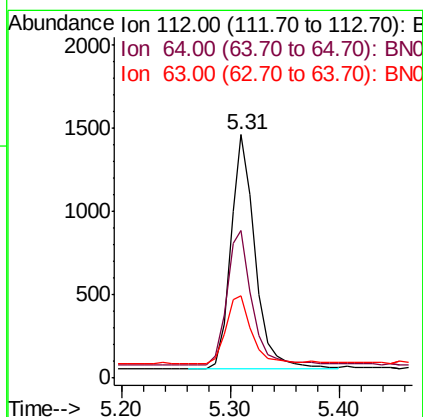
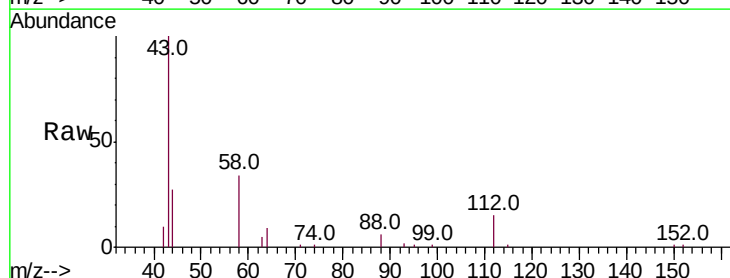
Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

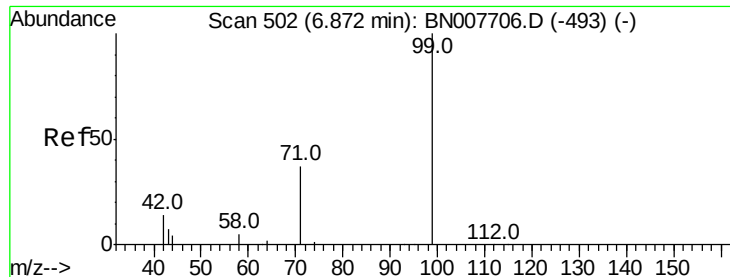
Tot Ion: 42 Resp: 183624
Ion Ratio Lower Upper
42 100
74 151.1 87.9 131.9#
44 27.1 29.4 44.0#



#4
2-Fluorophenol
Concen: 0.094 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion: 112 Resp: 2212
Ion Ratio Lower Upper
112 100
64 60.4 46.6 70.0
63 31.0 23.1 34.7





#5

Phenol-d6

Concen: 0.056 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

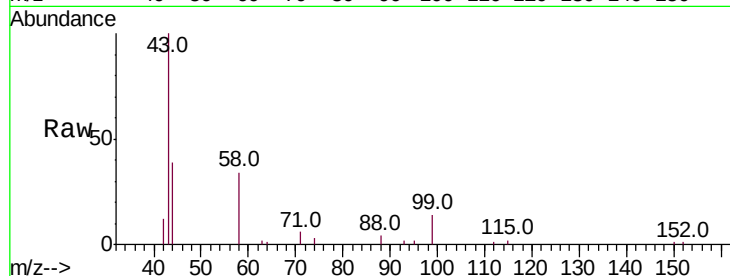
Tot Ion: 99 Resp: 1804

Ion Ratio Lower Upper

99 100

42 26.0 12.8 19.2#

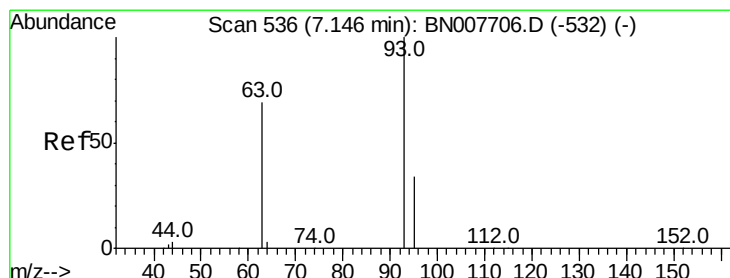
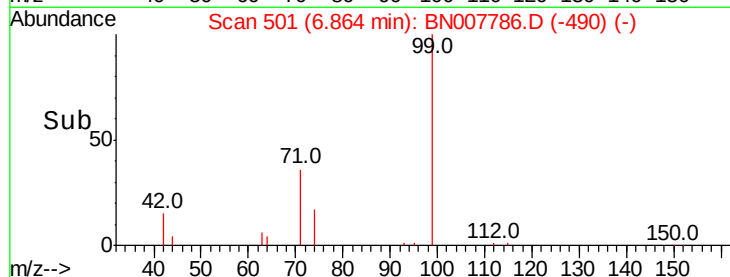
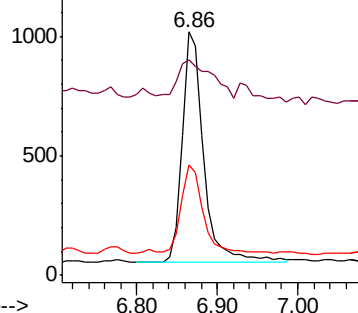
71 40.0 27.6 41.4



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: 0.346 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

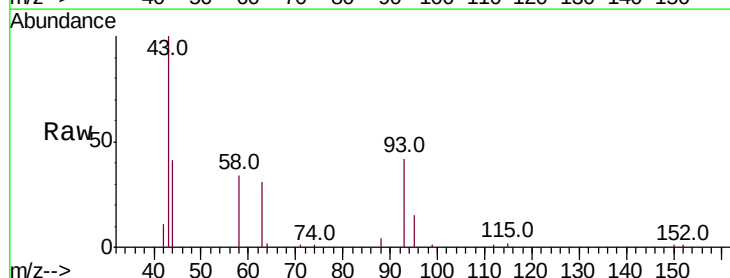
Tgt Ion: 93 Resp: 6715

Ion Ratio Lower Upper

93 100

63 71.8 59.3 88.9

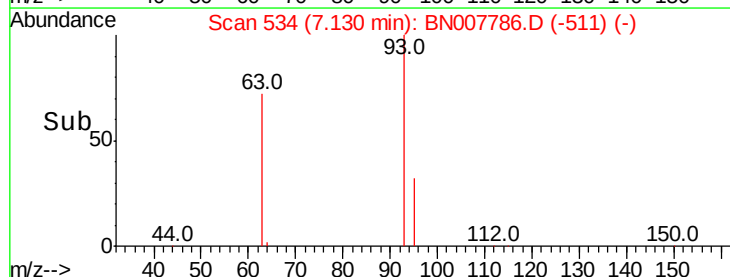
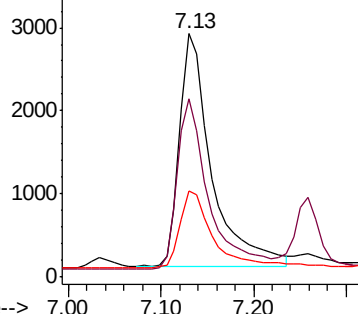
95 36.7 31.4 47.0

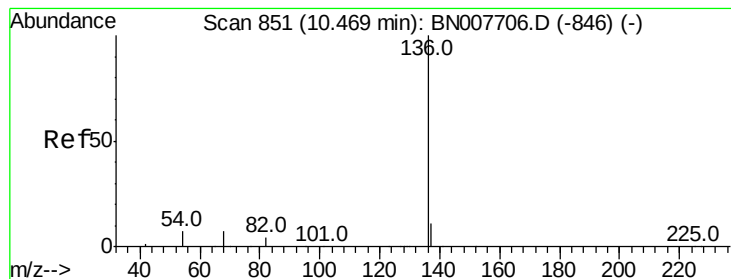


Abundance Ion 93.00 (92.70 to 93.70): BNC

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: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:136 Resp: 26219

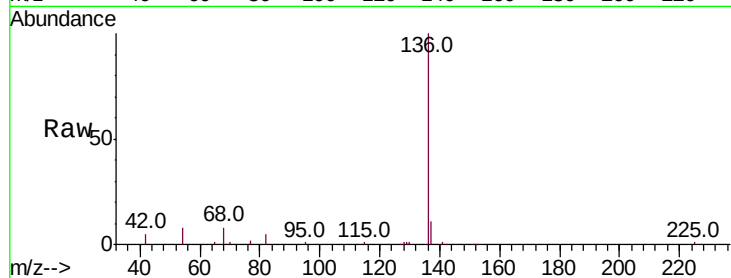
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.6 5.8 8.8

68 8.3 6.5 9.7

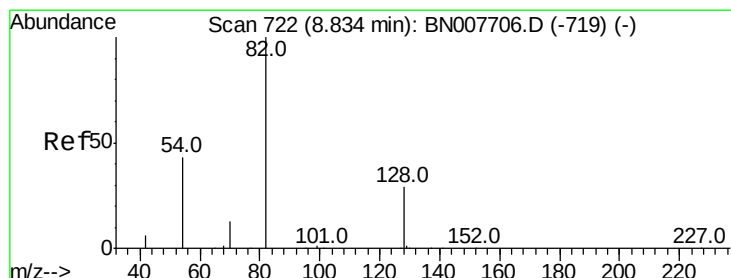
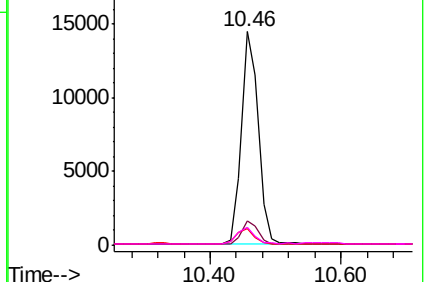
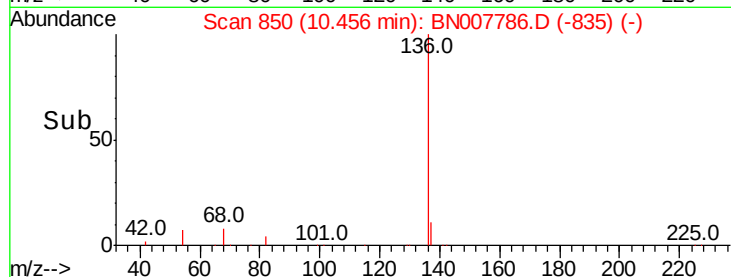


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.277 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

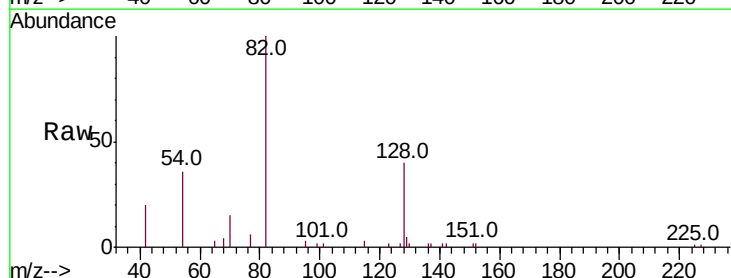
Tgt Ion: 82 Resp: 6356

Ion Ratio Lower Upper

82 100

128 39.7 24.5 36.7#

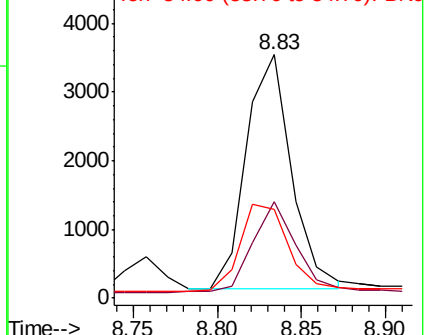
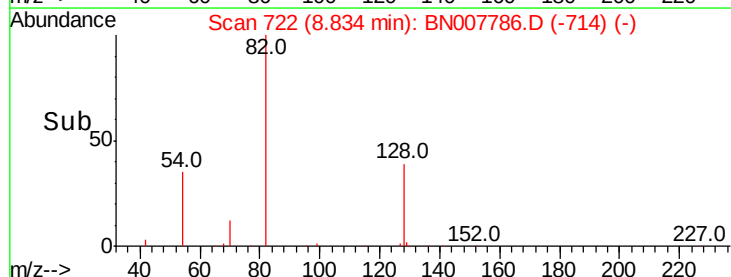
54 36.4 35.2 52.8

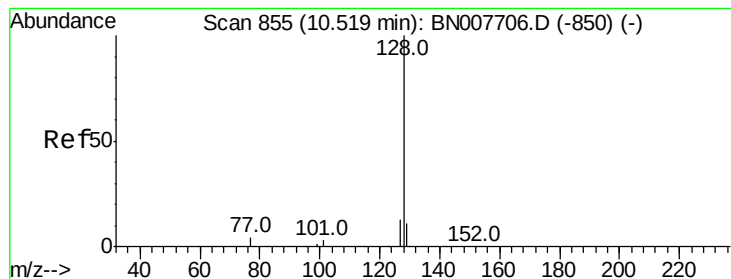


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.349 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

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ClientSampleId :

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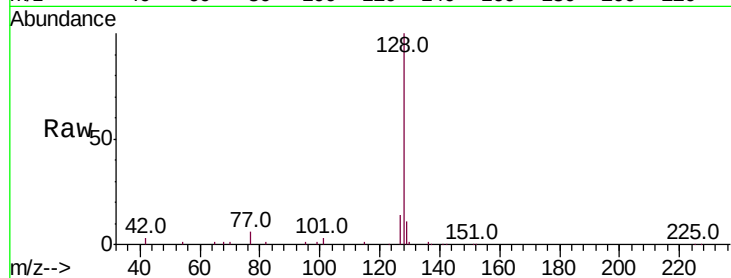
Tot Ion:128 Resp: 25653

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

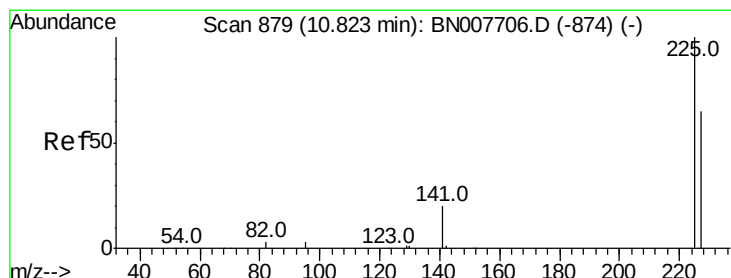
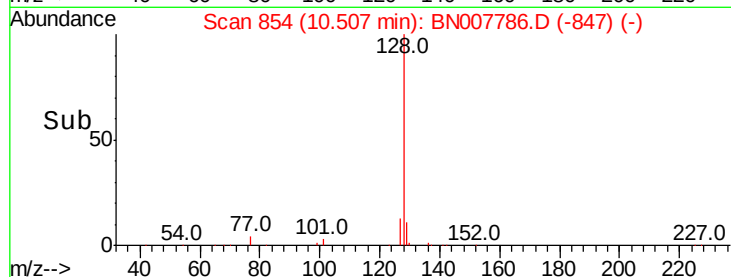
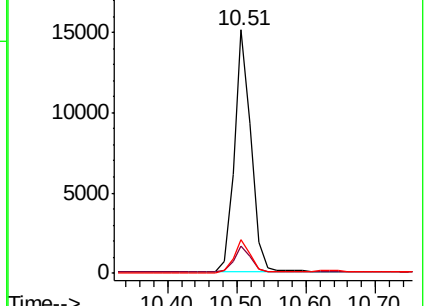
127 13.6 10.6 15.8



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: 0.311 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

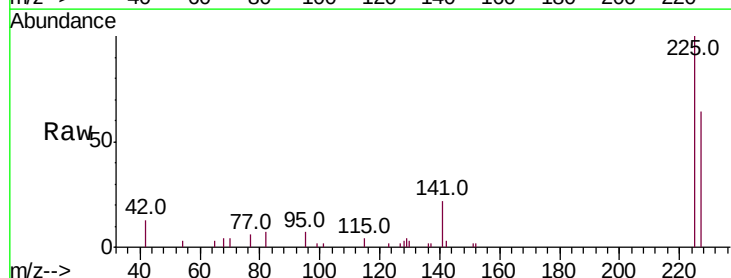
Tgt Ion:225 Resp: 4824

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

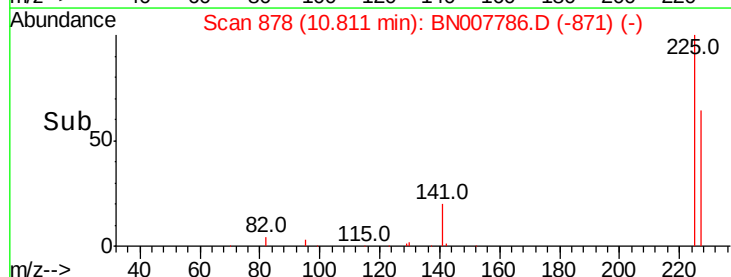
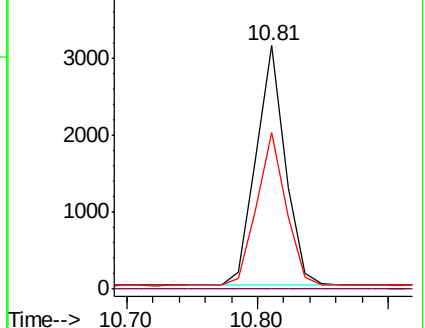
227 63.9 51.2 76.8

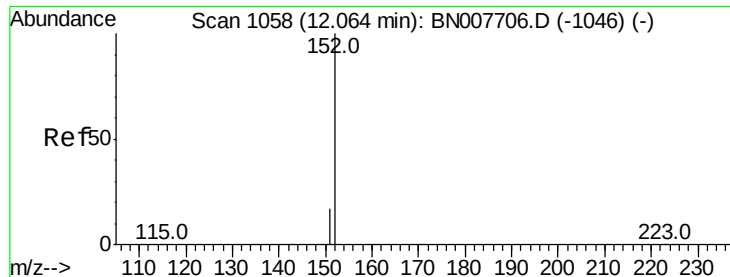


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

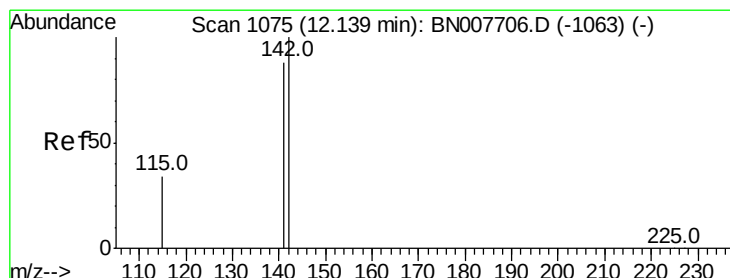
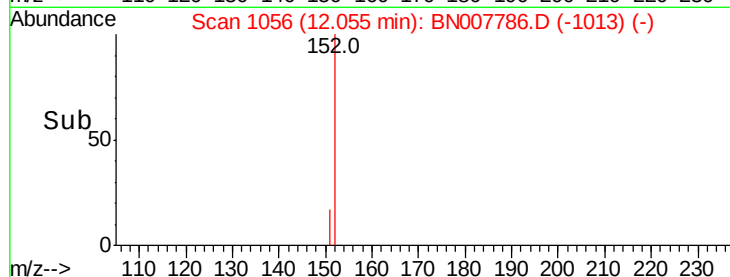
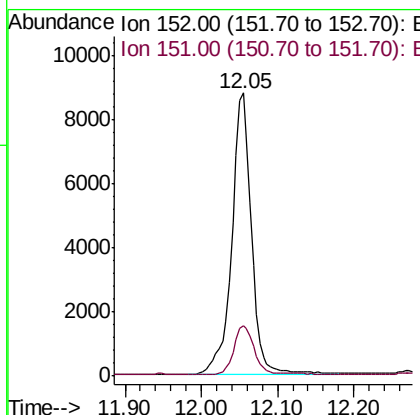
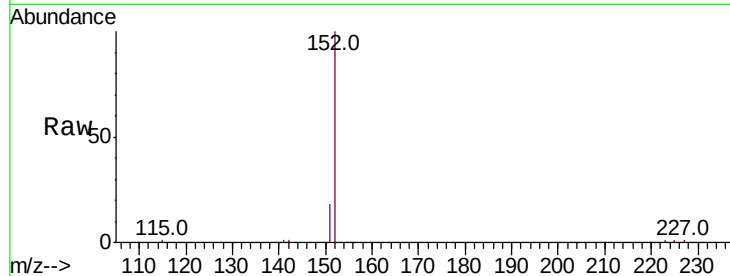




#11
 2-Methylnaphthalene-d10
 Concen: 0.353 ng
 RT: 12.05 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BN007786.D
 Acq: 21 Sep 2019 05:29

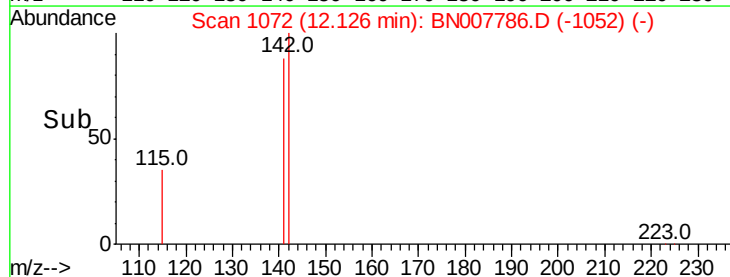
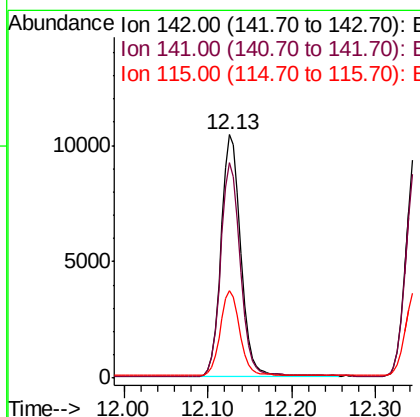
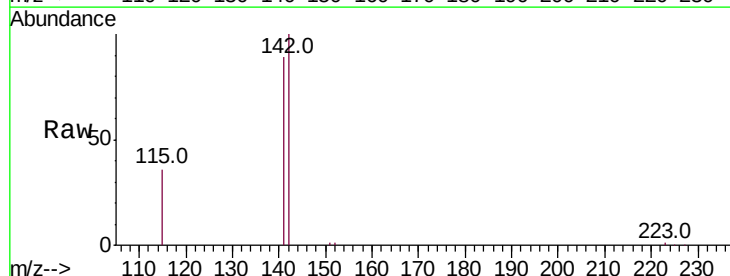
Instrument :
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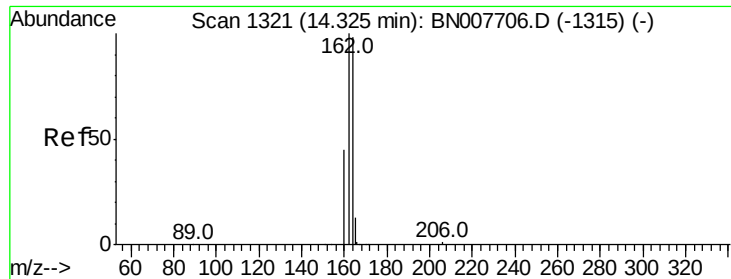
Tot Ion:152 Resp: 15614
 Ion Ratio Lower Upper
 152 100
 151 17.6 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.344 ng
 RT: 12.13 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BN007786.D
 Acq: 21 Sep 2019 05:29

Tgt Ion:142 Resp: 17096
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.6 106.0
 115 36.0 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

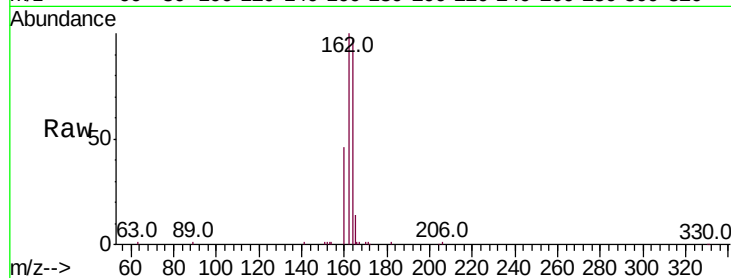
Tot Ion:164 Resp: 15105

Ion Ratio Lower Upper

164 100

162 102.6 81.7 122.5

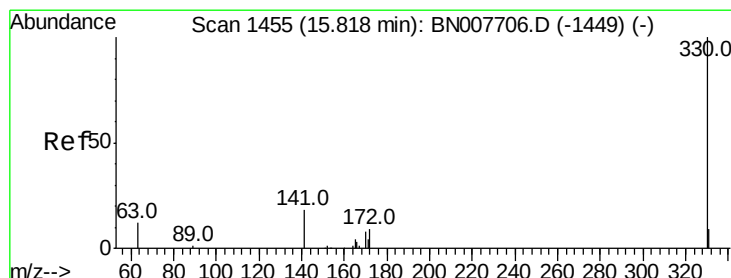
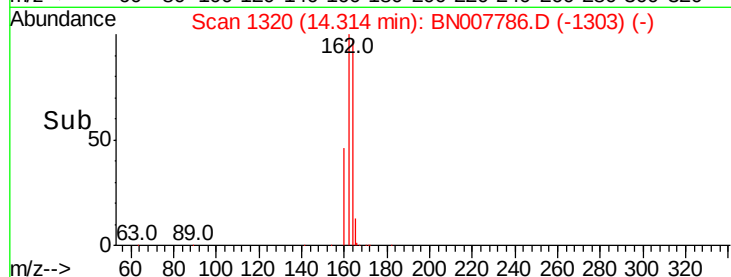
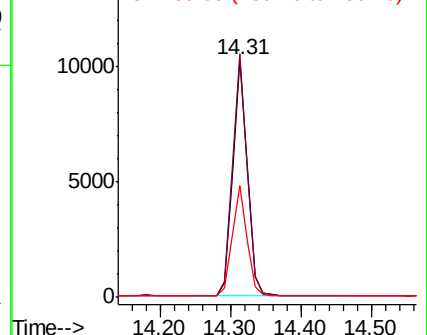
160 47.1 37.0 55.4



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: 0.189 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

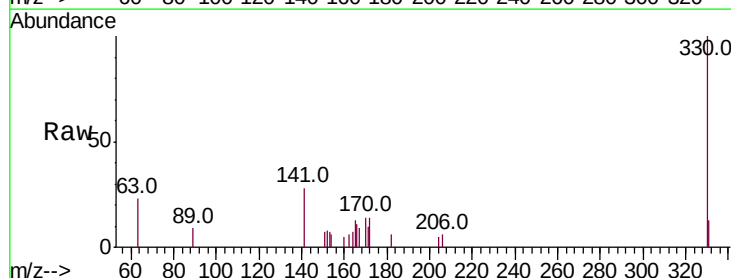
Tgt Ion:330 Resp: 1558

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

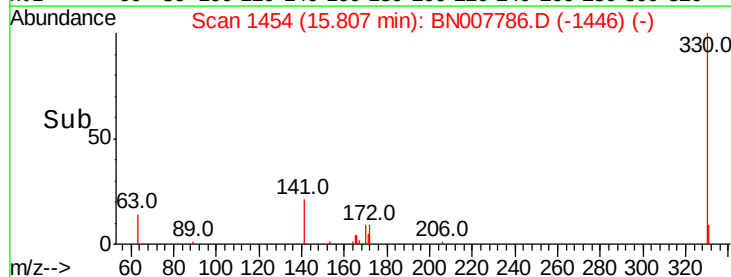
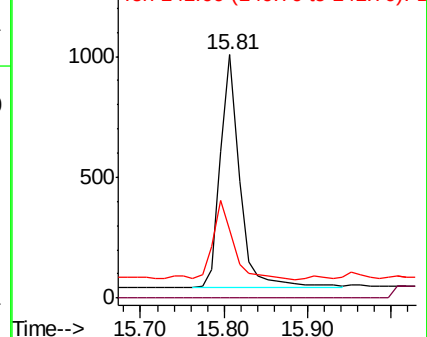
141 36.8 28.7 43.1

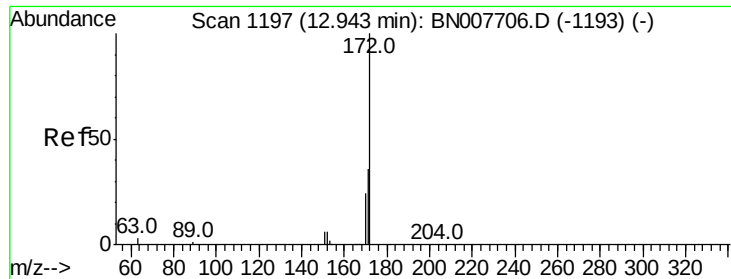


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

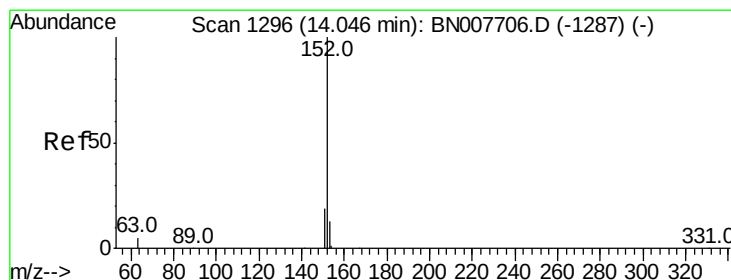
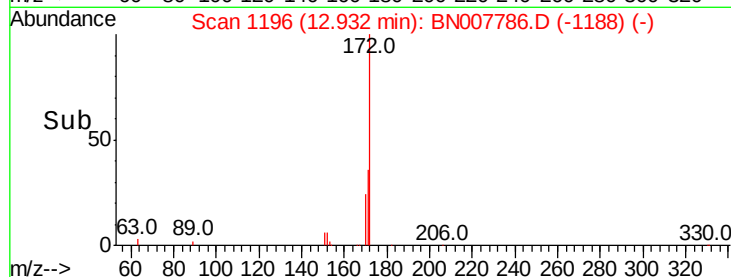
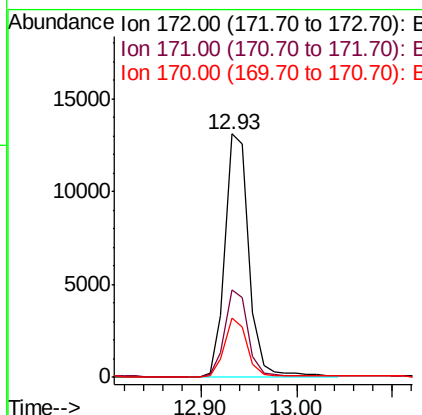
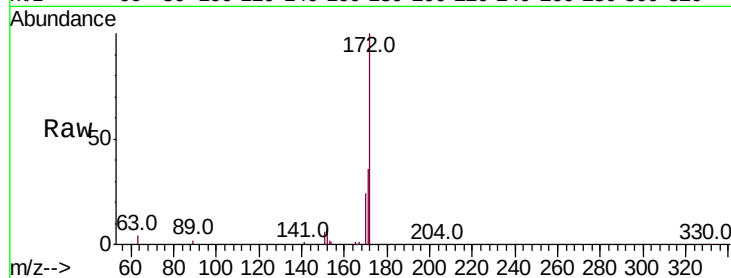




#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

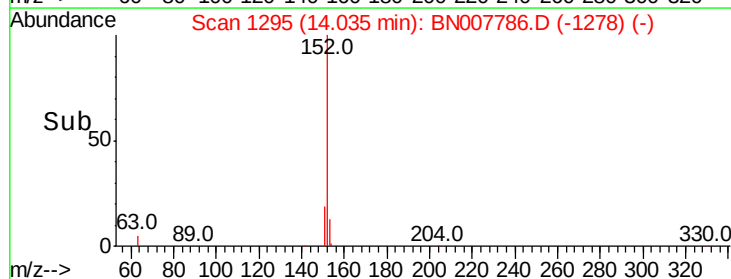
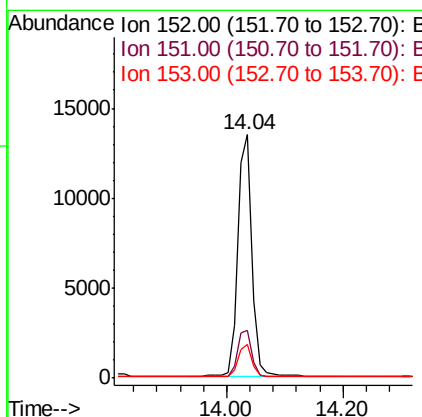
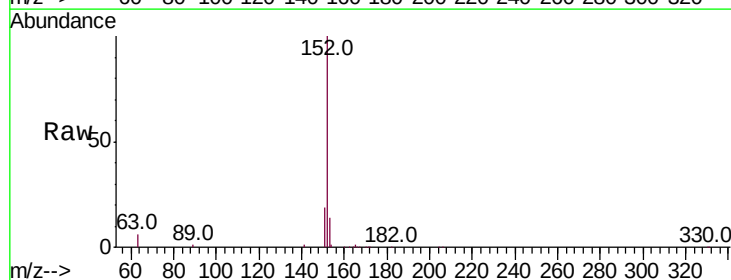
Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

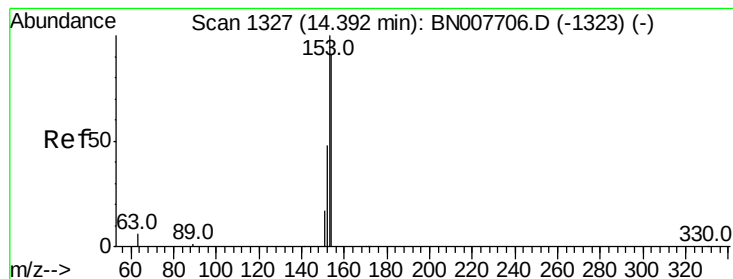
Tot Ion:172 Resp: 22804
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.5 19.5 29.3



#16
Acenaphthylene
Concen: 0.289 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:152 Resp: 23164
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.2 10.4 15.6





#17

Acenaphthene

Concen: 0.306 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

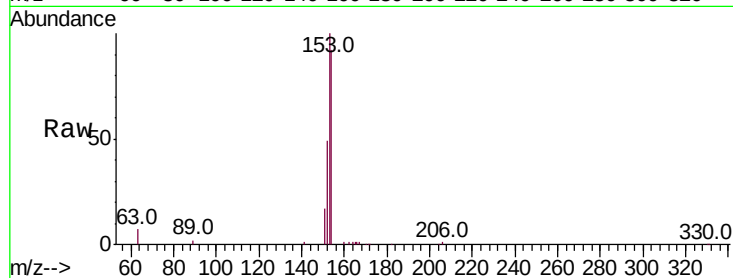
Tot Ion:154 Resp: 15828

Ion Ratio Lower Upper

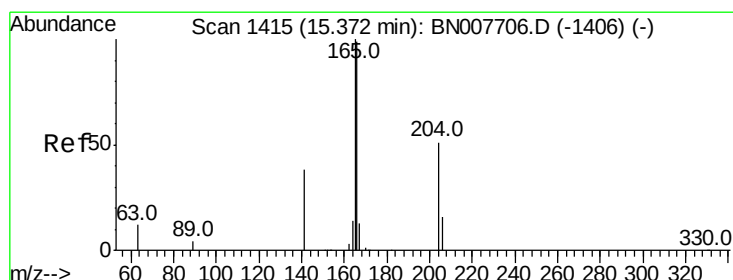
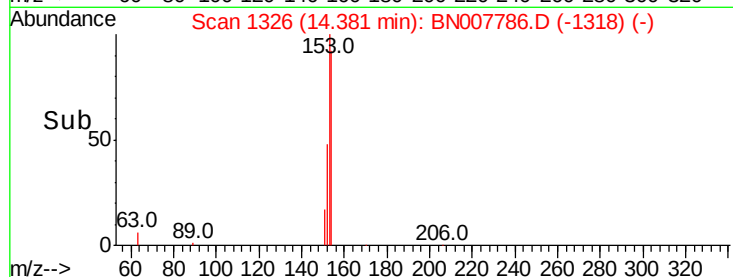
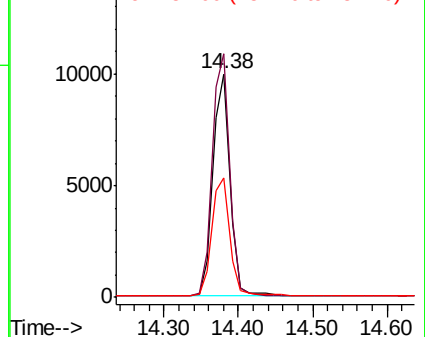
154 100

153 111.2 87.0 130.4

152 55.2 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: 0.301 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

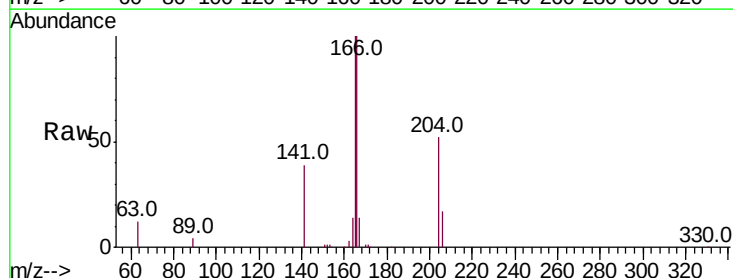
Tgt Ion:166 Resp: 19897

Ion Ratio Lower Upper

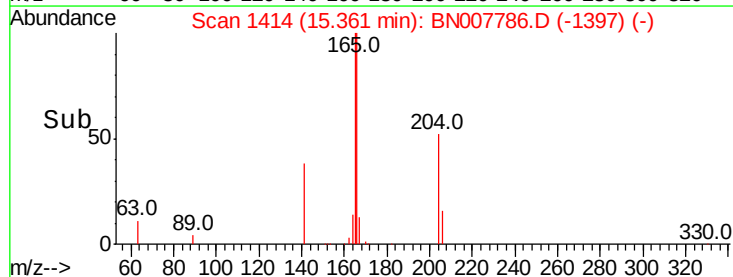
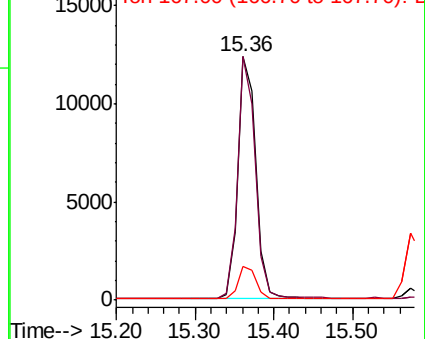
166 100

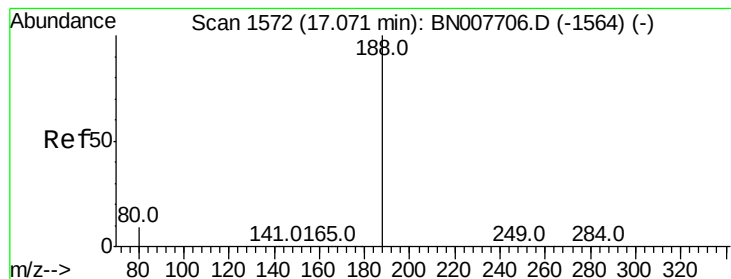
165 97.8 78.0 117.0

167 13.7 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: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

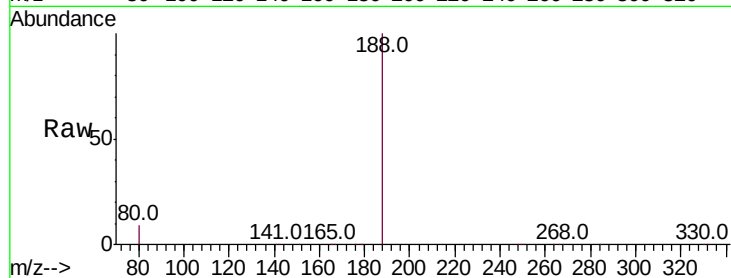
Tot Ion:188 Resp: 33058

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

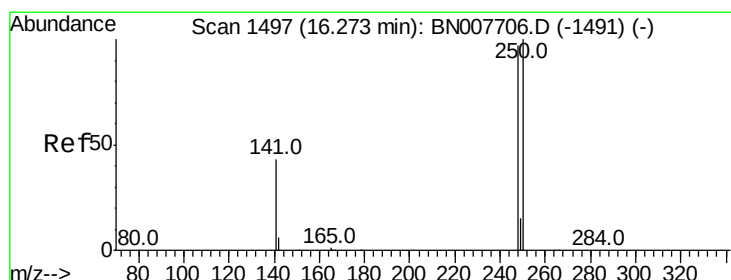
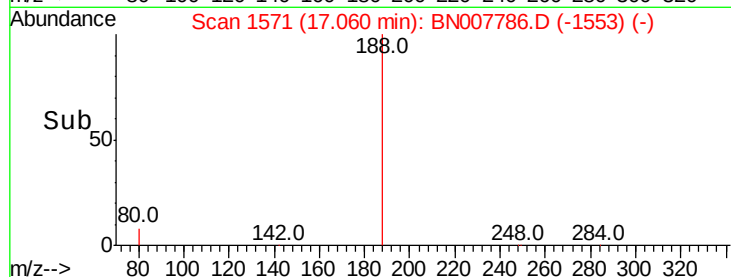
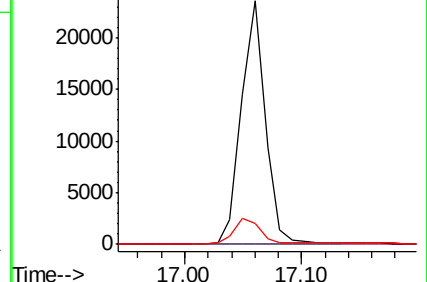
80 8.7 7.4 11.2



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



#20

4-Bromophenyl-phenylether

Concen: 0.331 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

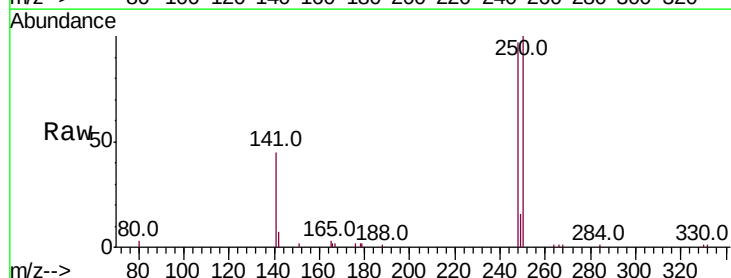
Tgt Ion:248 Resp: 6647

Ion Ratio Lower Upper

248 100

250 103.0 82.2 123.4

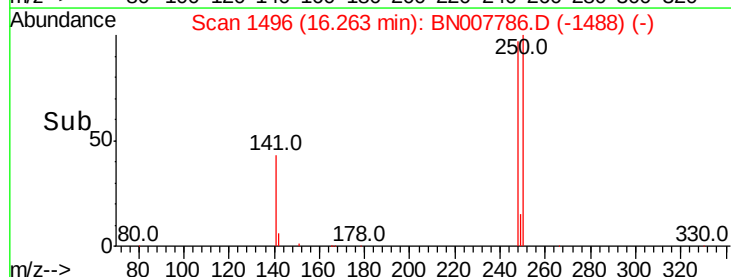
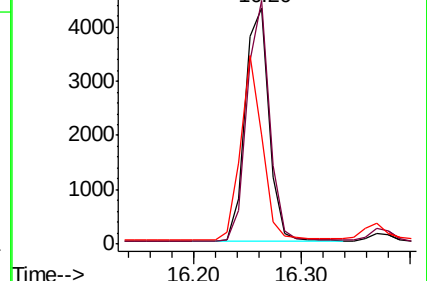
141 46.0 36.3 54.5

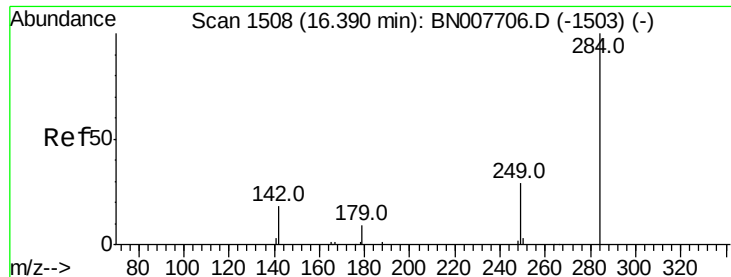


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.328 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

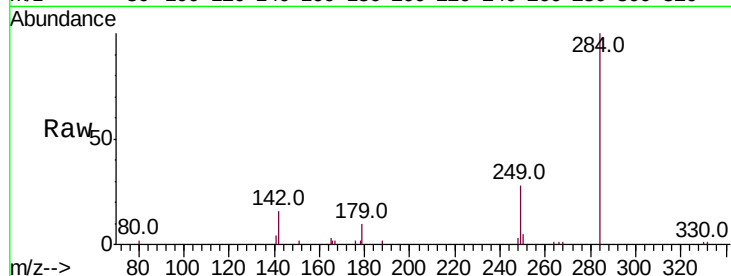
Tot Ion:284 Resp: 7201

Ion Ratio Lower Upper

284 100

142 33.6 25.8 38.6

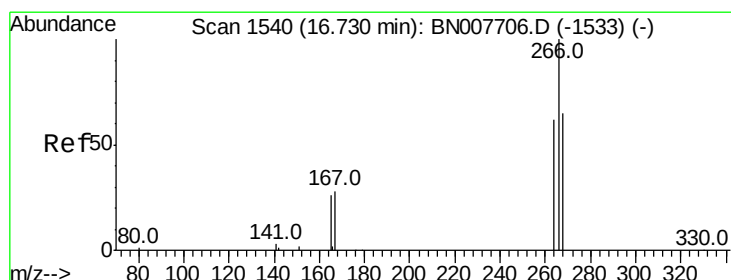
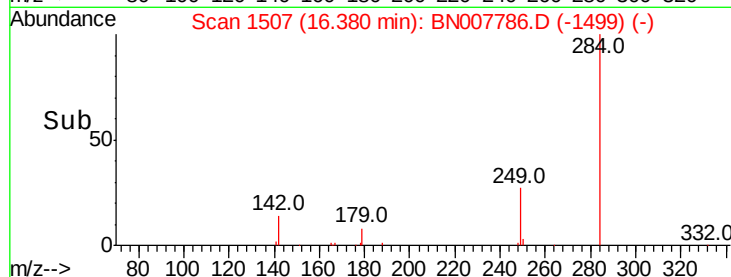
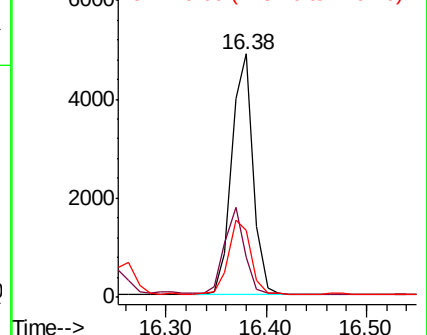
249 31.8 25.9 38.9



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: 0.430 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

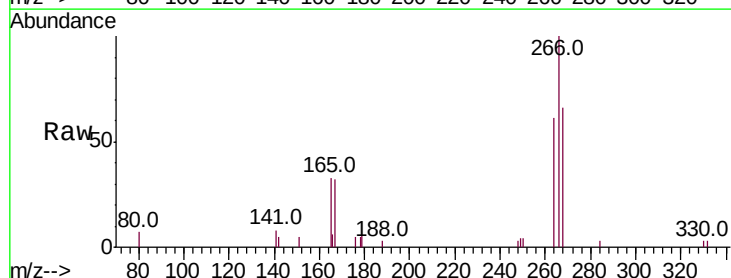
Tgt Ion:266 Resp: 3478

Ion Ratio Lower Upper

266 100

264 61.1 50.0 75.0

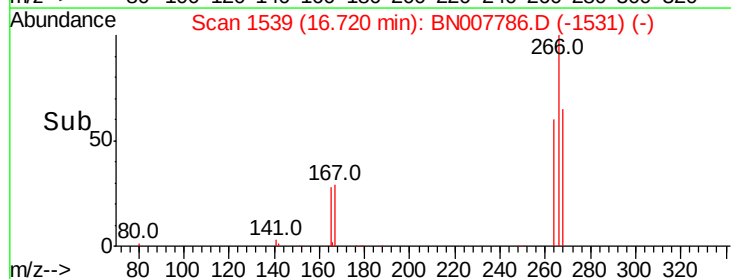
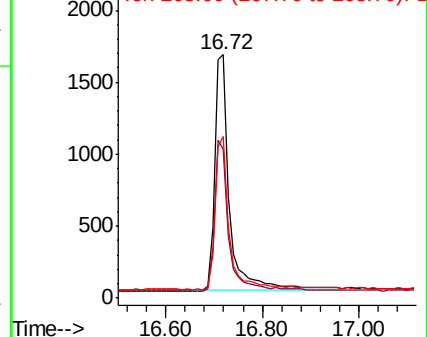
268 66.4 54.2 81.4

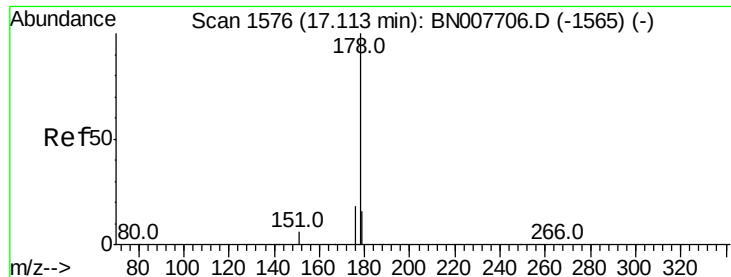


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.344 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument:

BNA_N

ClientSampleId:

RE132D2-20190916MSD

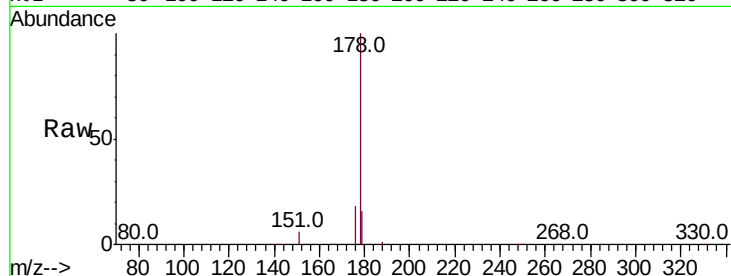
Tot Ion:178 Resp: 35442

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

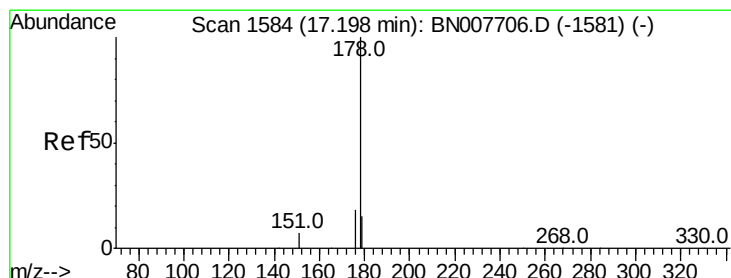
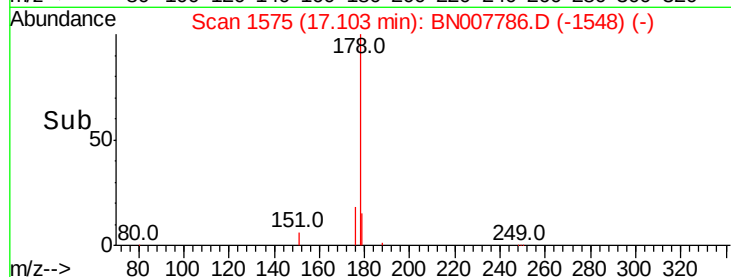
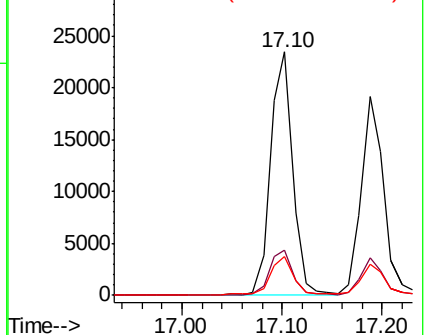
179 15.5 12.5 18.7



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: 0.319 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

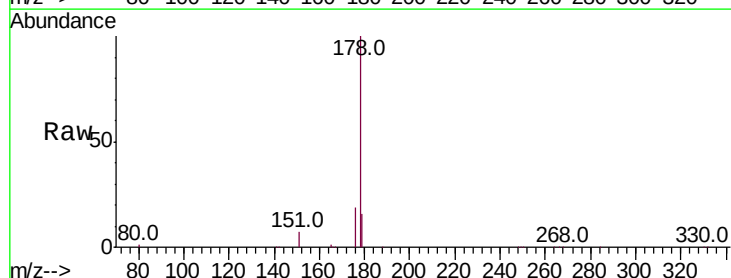
Tgt Ion:178 Resp: 29687

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

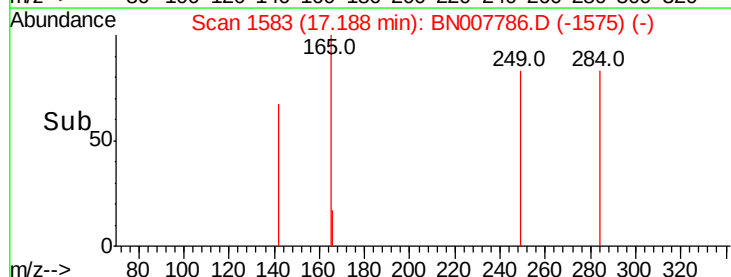
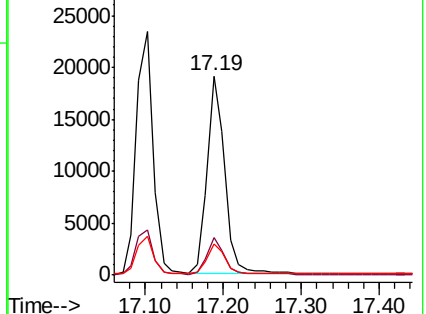
179 15.4 12.2 18.4

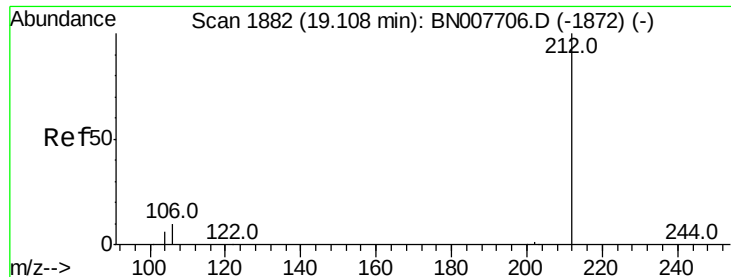


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

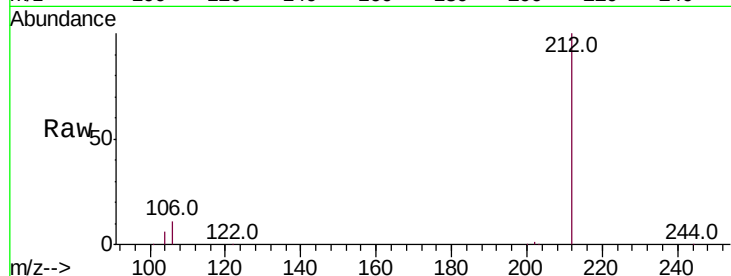
Tot Ion:212 Resp: 35599

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

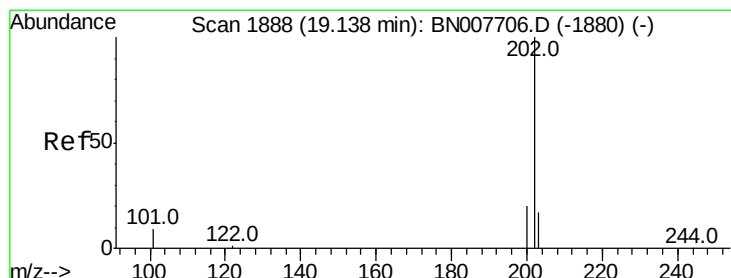
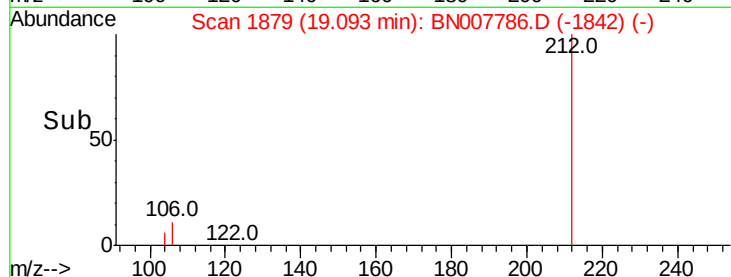
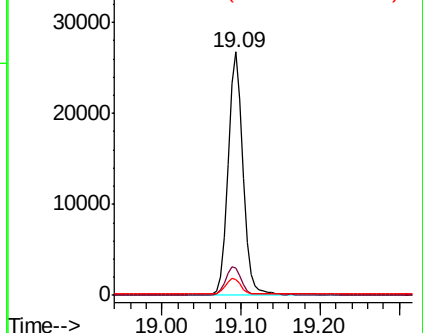
104 6.7 5.3 7.9



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: 0.327 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

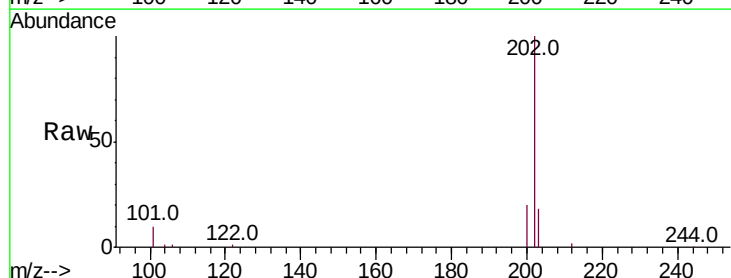
Tgt Ion:202 Resp: 41880

Ion Ratio Lower Upper

202 100

101 10.6 8.4 12.6

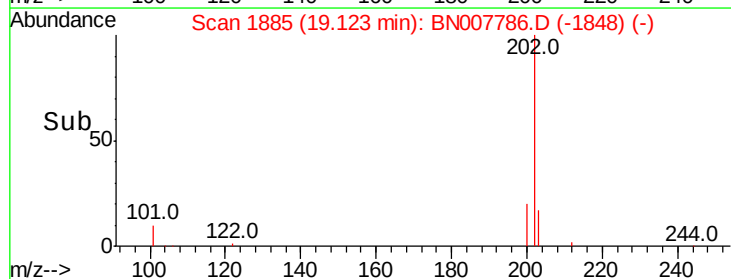
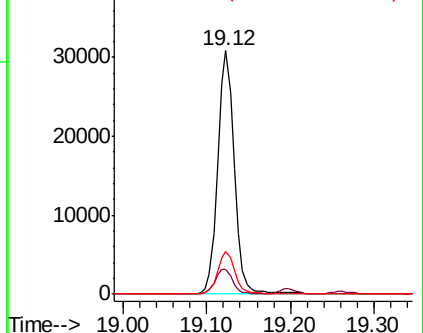
203 17.2 13.8 20.8

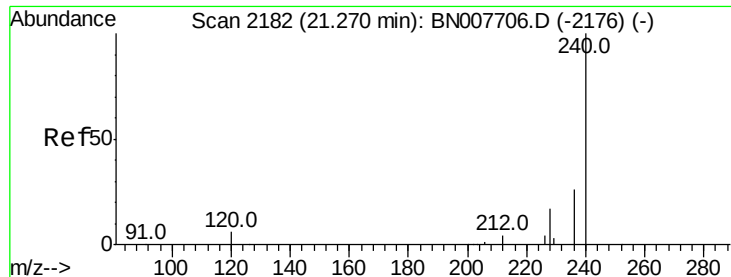


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

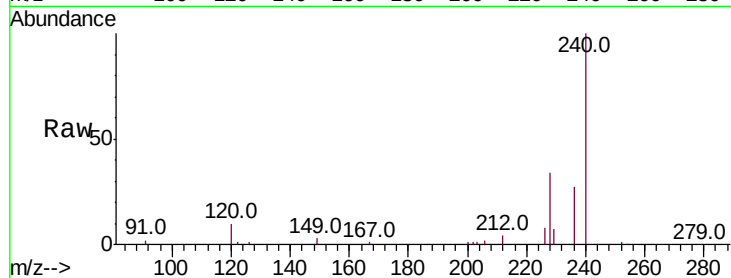
Tot Ion:240 Resp: 35796

Ion Ratio Lower Upper

240 100

120 10.4 5.4 8.2#

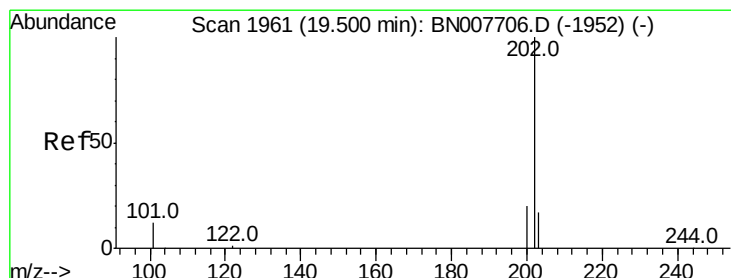
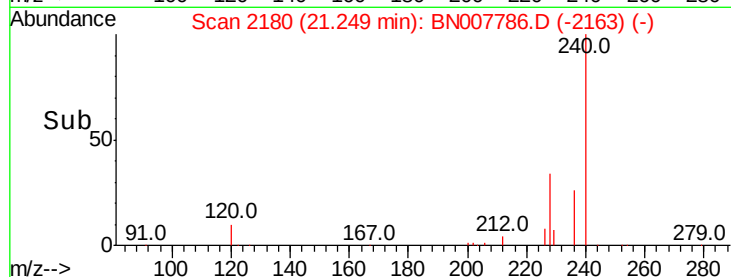
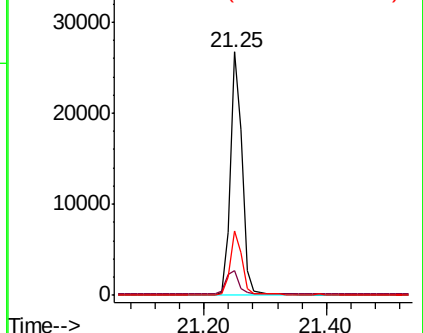
236 26.6 21.0 31.4



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: 0.346 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

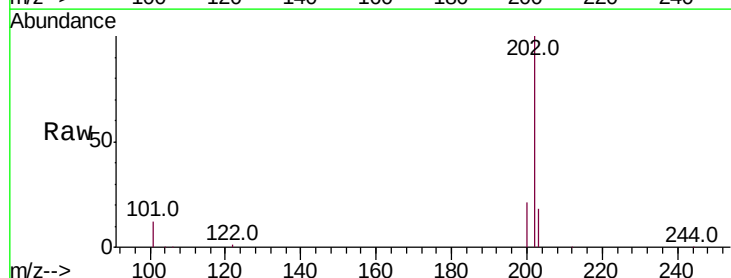
Tgt Ion:202 Resp: 42255

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

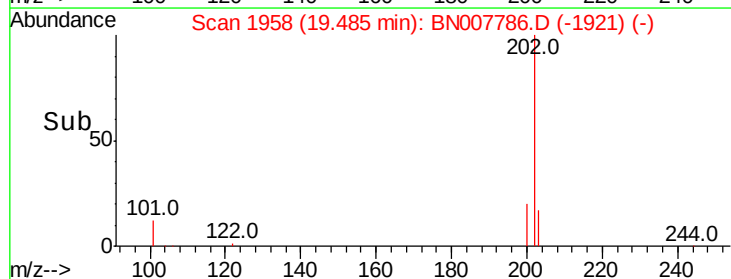
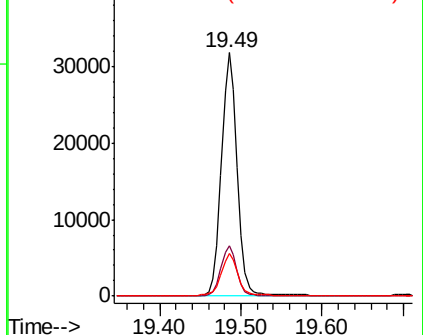
203 18.0 14.1 21.1

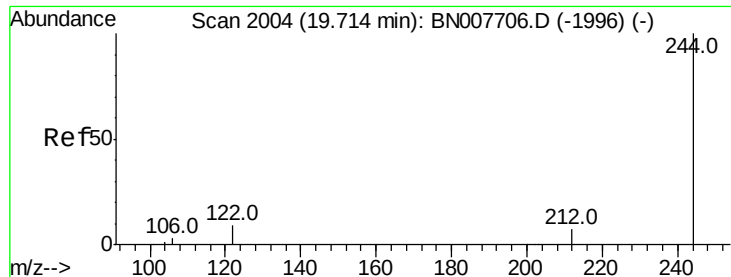


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

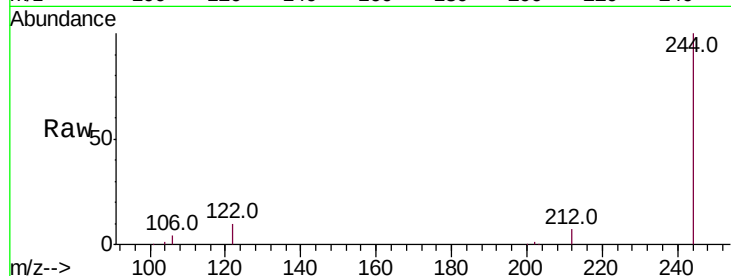
Tot Ion:244 Resp: 38030

Ion Ratio Lower Upper

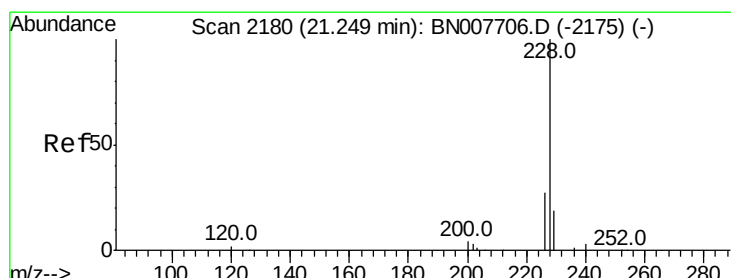
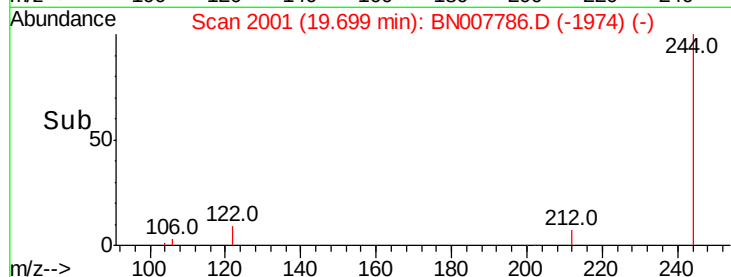
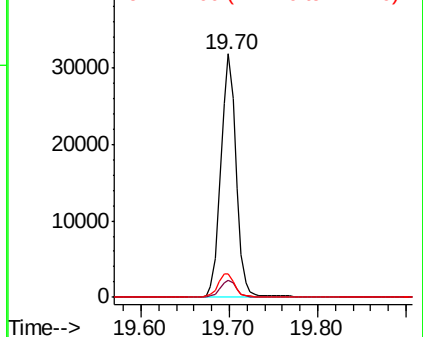
244 100

212 7.2 5.9 8.9

122 9.7 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: 0.302 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

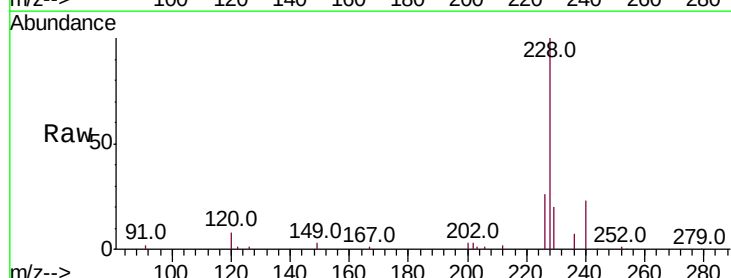
Tgt Ion:228 Resp: 39748

Ion Ratio Lower Upper

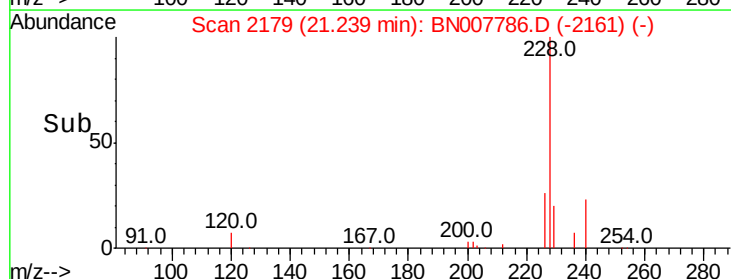
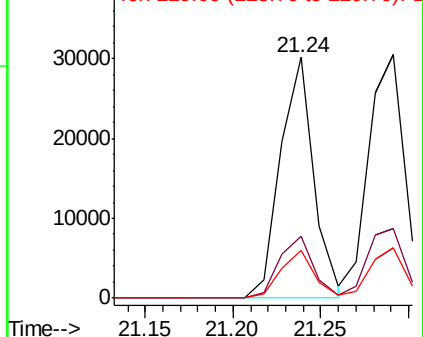
228 100

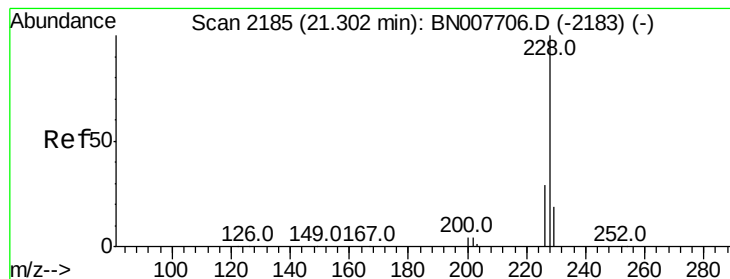
226 25.7 22.1 33.1

229 19.8 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: 0.342 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

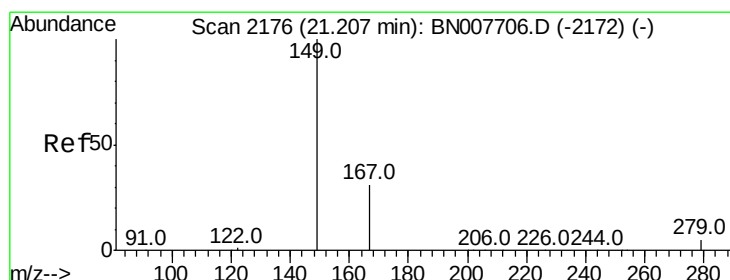
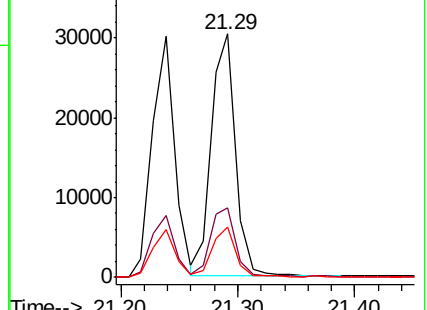
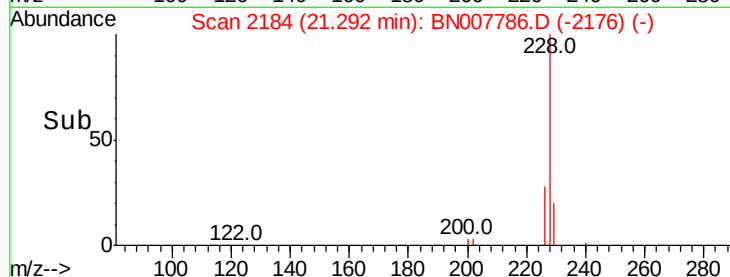
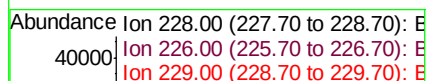
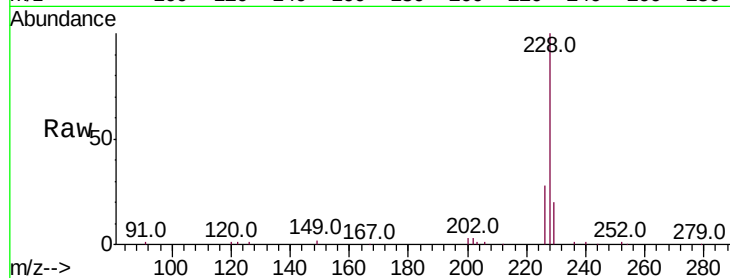
BNA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:228 Resp: 43894

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.9	35.9
229	20.5	15.8	23.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.216 ng

RT: 21.19 min Scan# 2174

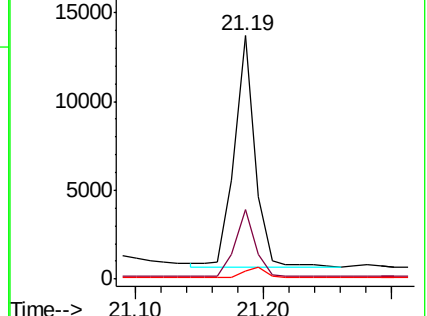
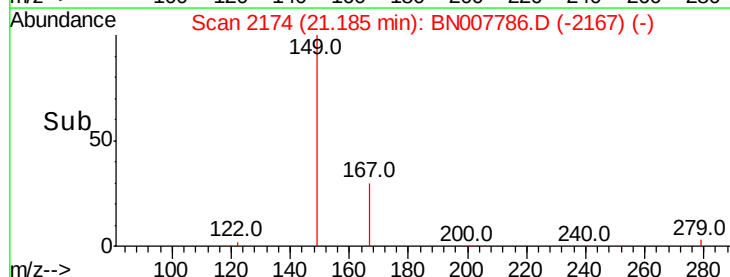
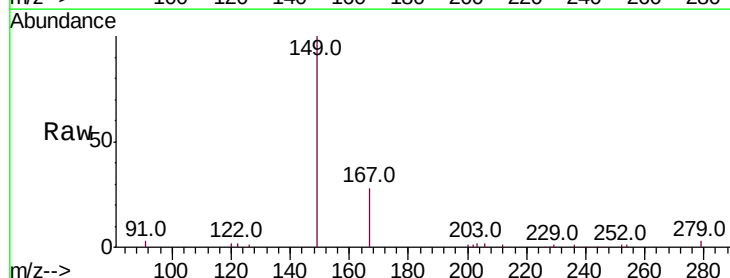
Delta R.T. -0.02 min

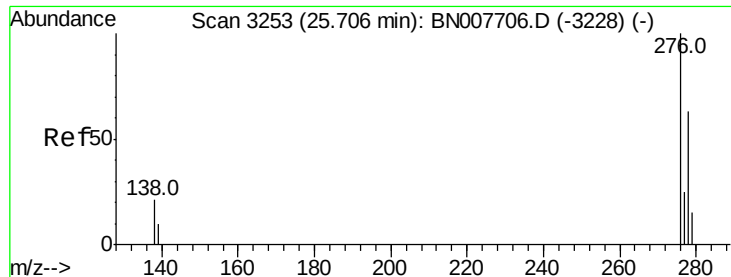
Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Tgt Ion:149 Resp: 14647

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.7	35.5
279	4.6	4.2	6.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.290 ng

RT: 25.67 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

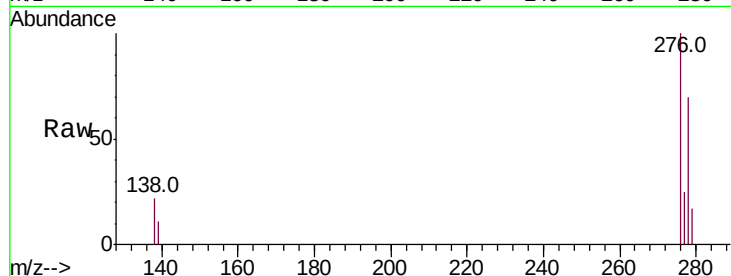
Tot Ion:276 Resp: 46674

Ion Ratio Lower Upper

276 100

138 22.6 17.1 25.7

277 24.8 20.0 30.0

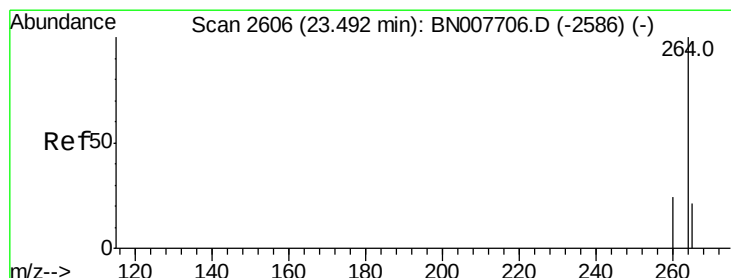
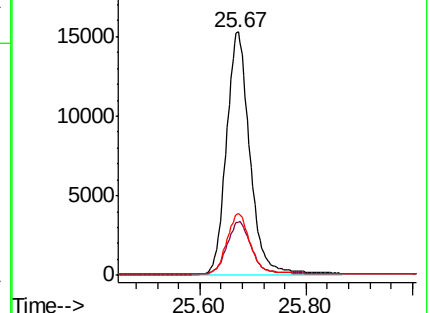
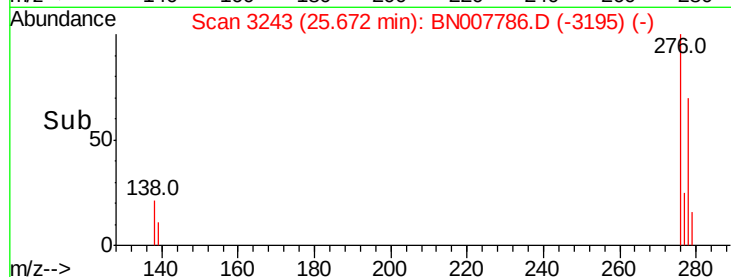


Abundance

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# 2598

Delta R.T. -0.03 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

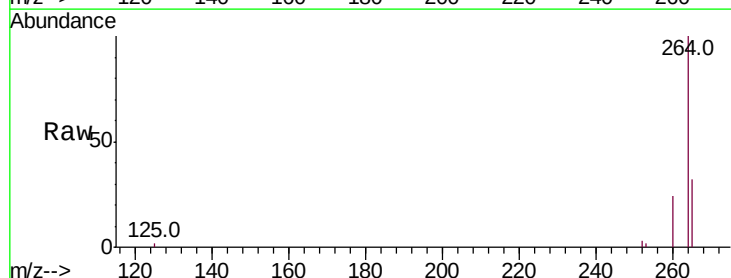
Tgt Ion:264 Resp: 36551

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 31.9 26.9 40.3

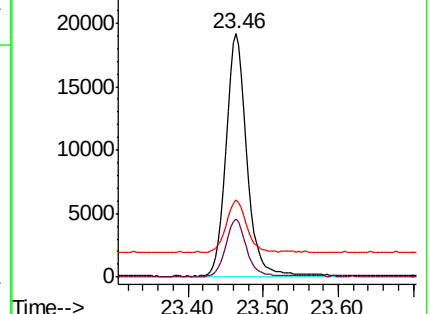
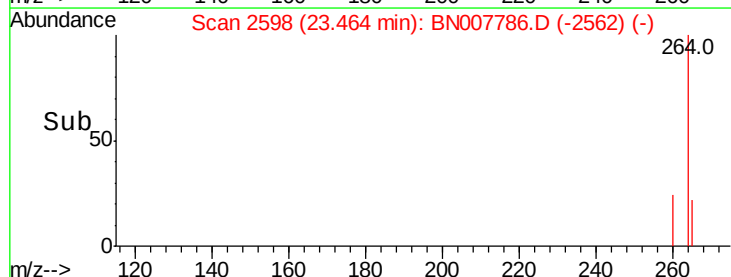


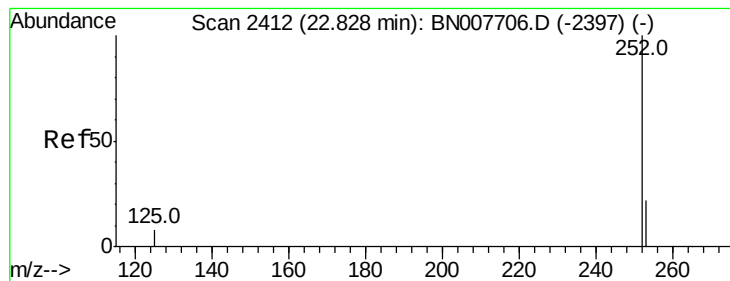
Abundance

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: 0.326 ng

RT: 22.80 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

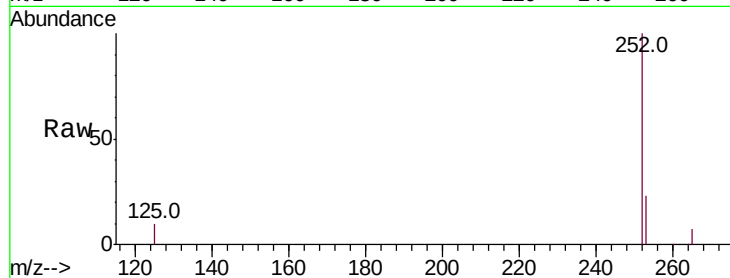
Tot Ion:252 Resp: 41311

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

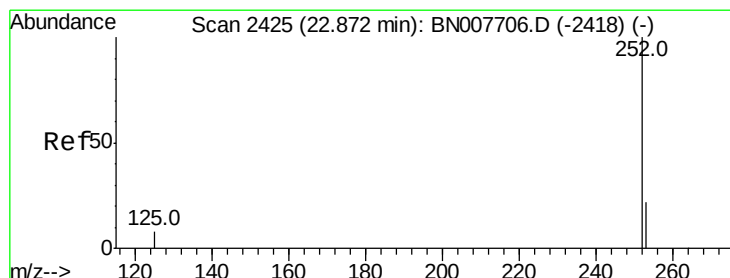
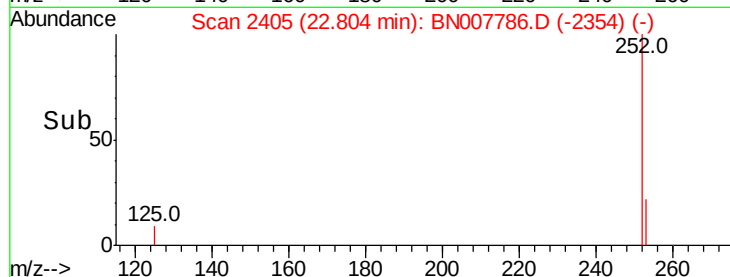
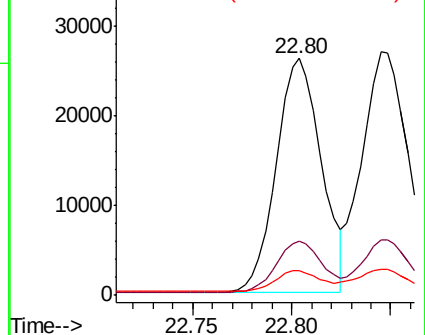
125 10.2 8.2 12.4



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: 0.362 ng

RT: 22.84 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

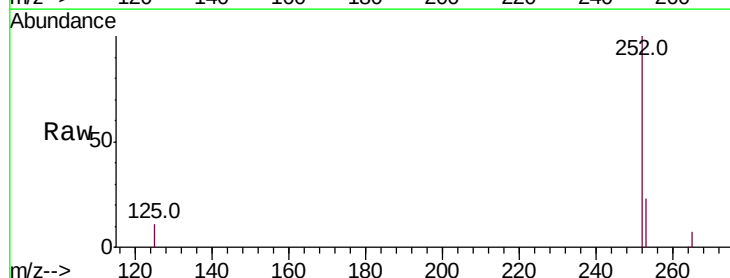
Tgt Ion:252 Resp: 45452

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

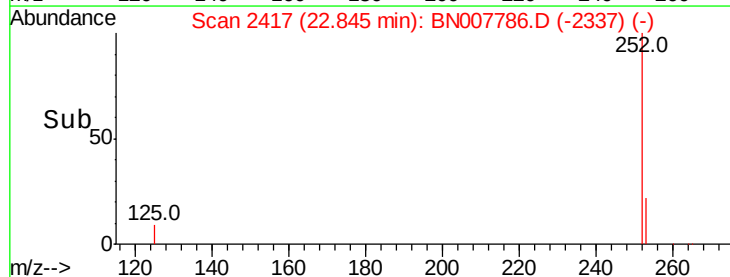
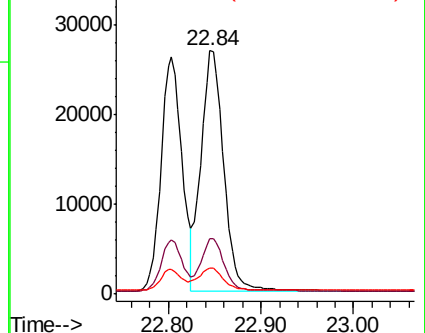
125 10.9 8.4 12.6

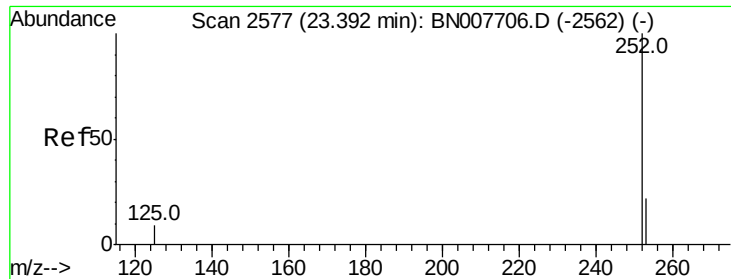


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.316 ng

RT: 23.37 min Scan# 2569

Delta R.T. -0.03 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD

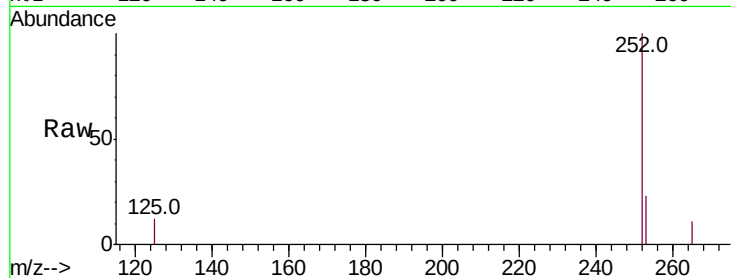
Tot Ion:252 Resp: 37733

Ion Ratio Lower Upper

252 100

253 23.0 18.6 27.8

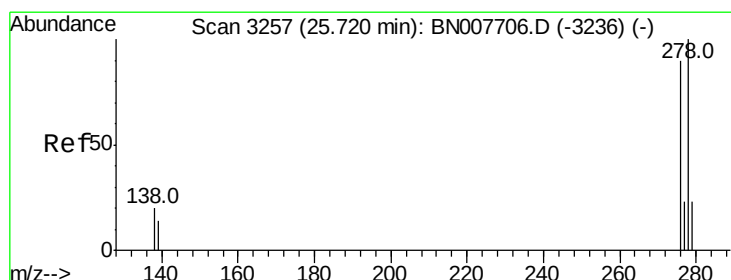
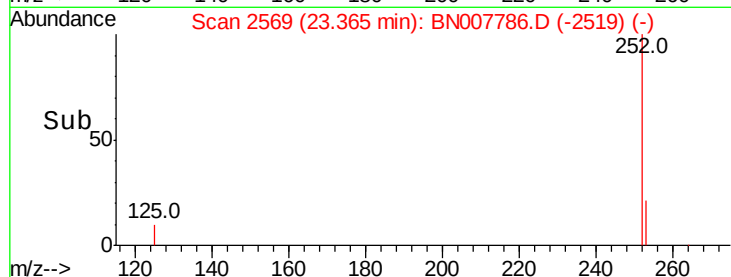
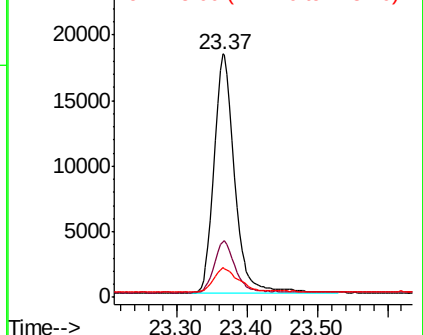
125 12.1 9.4 14.0



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: 0.319 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.03 min

Lab File: BN007786.D

Acq: 21 Sep 2019 05:29

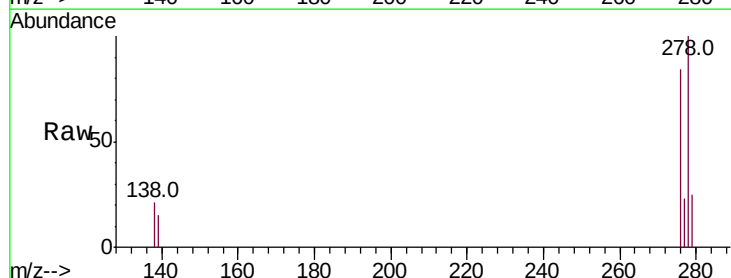
Tgt Ion:278 Resp: 38972

Ion Ratio Lower Upper

278 100

139 15.1 11.8 17.6

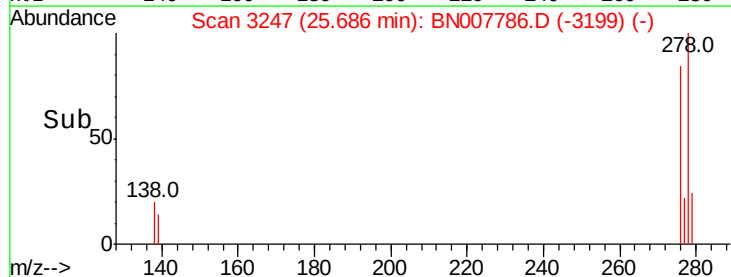
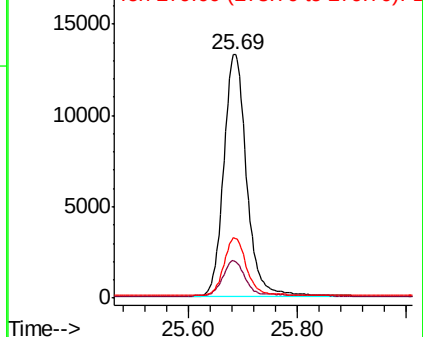
279 24.6 19.4 29.2

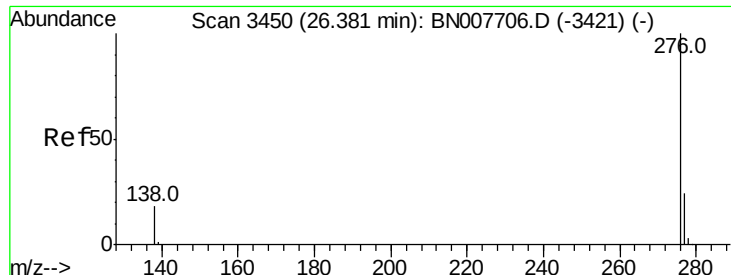


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.325 ng

RT: 26.34 min Scan# 3439

Delta R.T. -0.04 min

Lab File: BN007786.D

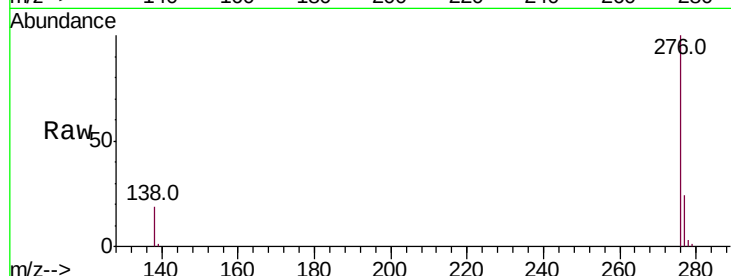
Acq: 21 Sep 2019 05:29

Instrument :

BNA_N

ClientSampleId :

RE132D2-20190916MSD



Tot Ion:276 Resp: 39200

Ion Ratio Lower Upper

276 100

277 23.9 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

