

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007853.D
 Acq On : 25 Sep 2019 14:36
 Operator : JU
 Sample : PB123248BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB123248BSD

Quant Time: Sep 26 03:52:49 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	7738	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	29672	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	17267	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	34102	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	29775	0.40	ng	-0.01
34) Perylene-d12	23.47	264	29733	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	8586	0.32	ng	0.00
5) Phenol-d6	6.86	99	10705	0.32	ng	0.00
8) Nitrobenzene-d5	8.83	82	9472	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	20948	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2156	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	29468	0.41	ng	-0.01
25) Fluoranthene-d10	19.09	212	40968	0.36	ng	-0.01
29) Terphenyl-d14	19.70	244	34406	0.47	ng	-0.01

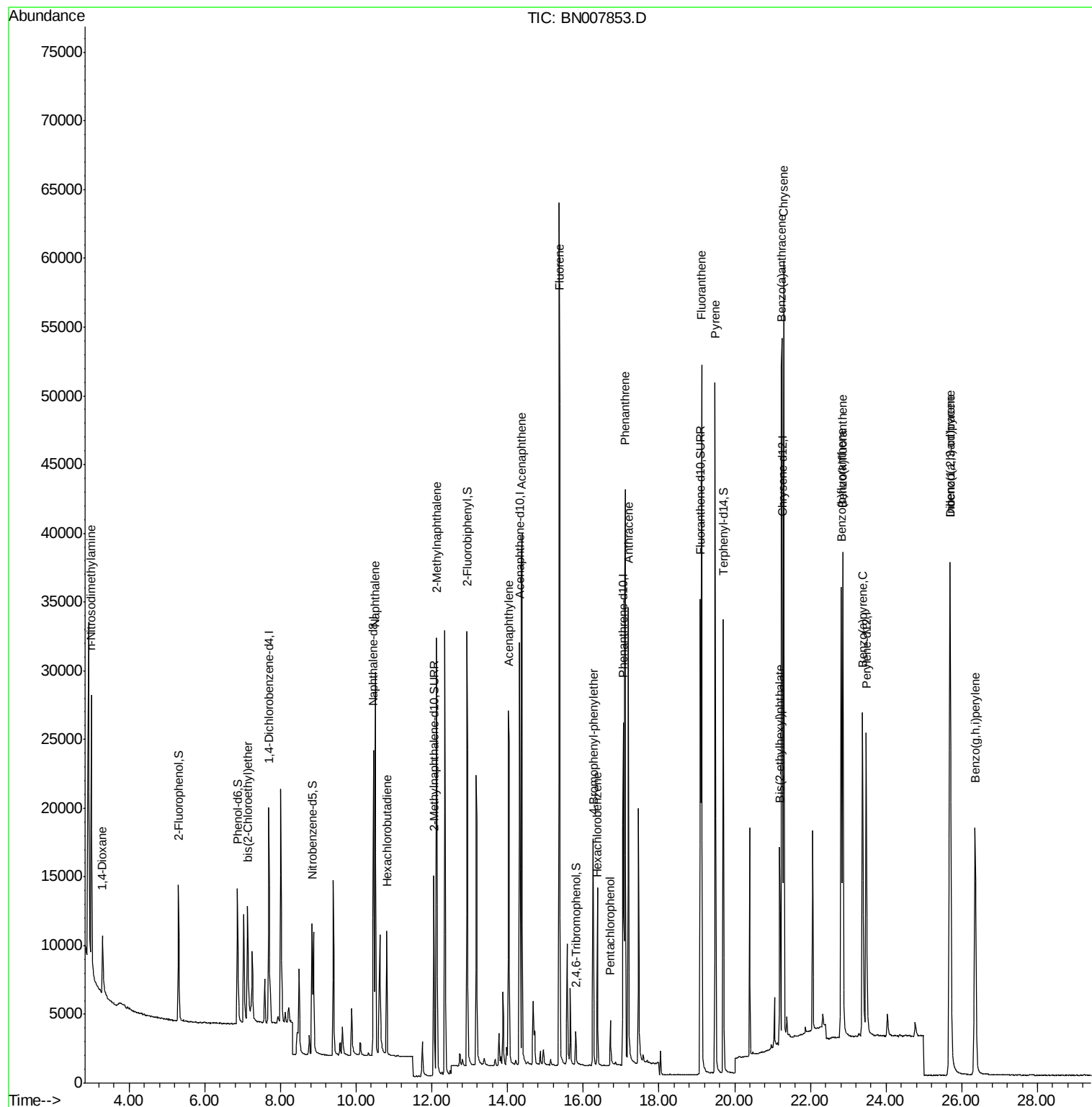
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	3677	0.426	ng	# 84
3) n-Nitrosodimethylamine	3.00	42	2559	0.648	ng	# 93
6) bis(2-Chloroethyl)ether	7.13	93	8896	0.406	ng	98
9) Naphthalene	10.51	128	35541	0.427	ng	100
10) Hexachlorobutadiene	10.81	225	7550	0.430	ng	# 99
12) 2-Methylnaphthalene	12.13	142	23808	0.423	ng	100
16) Acenaphthylene	14.02	152	33097	0.361	ng	100
17) Acenaphthene	14.38	154	22347	0.379	ng	96
18) Fluorene	15.36	166	28262	0.373	ng	100
20) 4-Bromophenyl-phenylether	16.26	248	9193	0.444	ng	99
21) Hexachlorobenzene	16.38	284	10605	0.469	ng	99
22) Pentachlorophenol	16.72	266	2239	0.268	ng	99
23) Phenanthrene	17.10	178	45593	0.429	ng	100
24) Anthracene	17.19	178	37850	0.394	ng	100
26) Fluoranthene	19.12	202	48181	0.365	ng	100
28) Pyrene	19.49	202	47726	0.470	ng	100
30) Benzo(a)anthracene	21.24	228	41006	0.374	ng	99
31) Chrysene	21.29	228	45127	0.422	ng	99
32) Bis(2-ethylhexyl)phthalate	21.19	149	12930	0.229	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	47073	0.352	ng	99
35) Benzo(b)fluoranthene	22.81	252	42167	0.409	ng	100
36) Benzo(k)fluoranthene	22.86	252	46716	0.458	ng	100
37) Benzo(a)pyrene	23.38	252	38009	0.392	ng	98
38) Dibenzo(a,h)anthracene	25.70	278	38231	0.385	ng	100
39) Benzo(g,h,i)perylene	26.35	276	38291	0.390	ng	99

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

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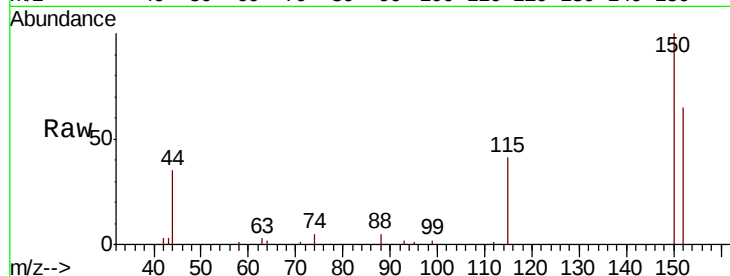


#1

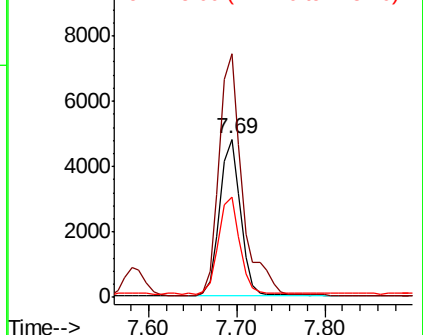
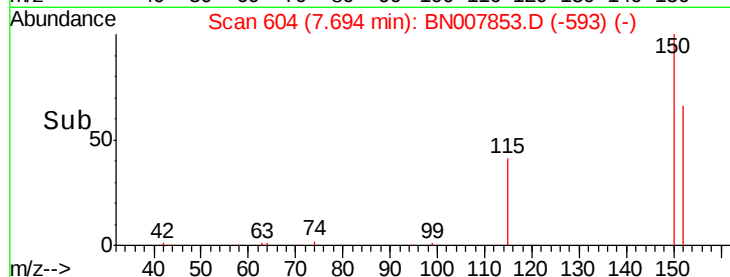
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :
 PB123248BSD

Tot Ion:152 Resp: 7738
 Ion Ratio Lower Upper
 152 100
 150 153.7 125.6 188.4
 115 63.3 53.3 79.9



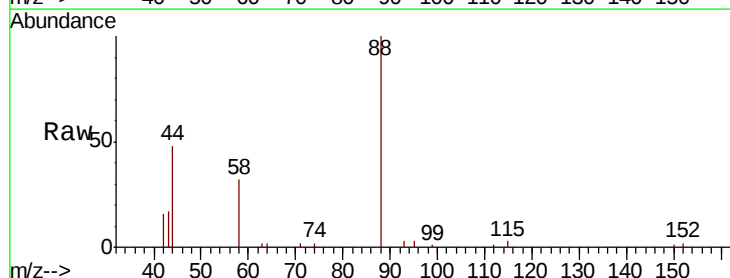
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



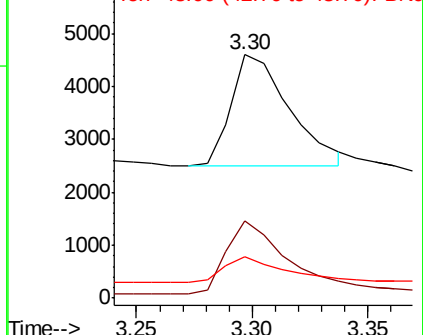
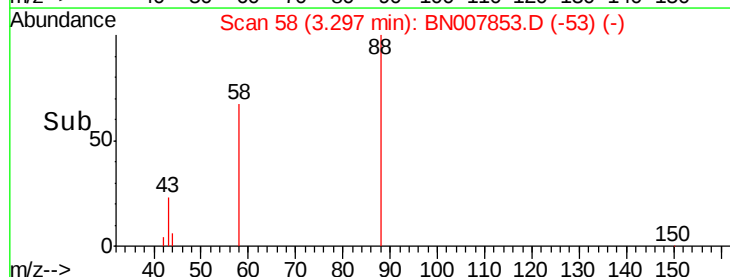
#2

1,4-Dioxane
 Concen: 0.426 ng
 RT: 3.30 min Scan# 58
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Tgt Ion: 88 Resp: 3677
 Ion Ratio Lower Upper
 88 100
 58 68.2 44.6 66.8#
 43 23.1 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



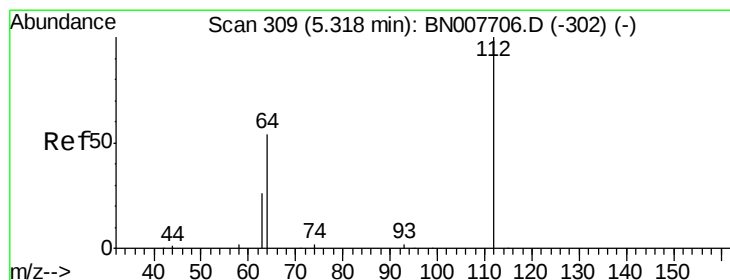
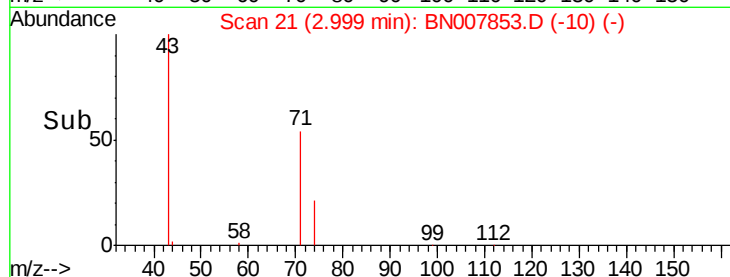
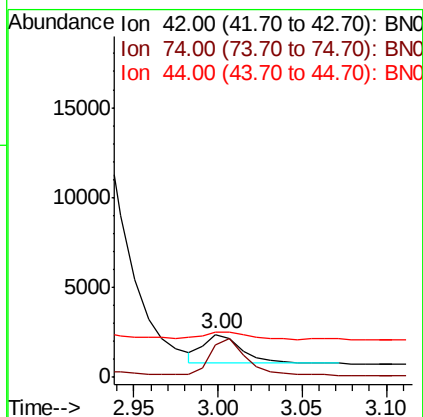
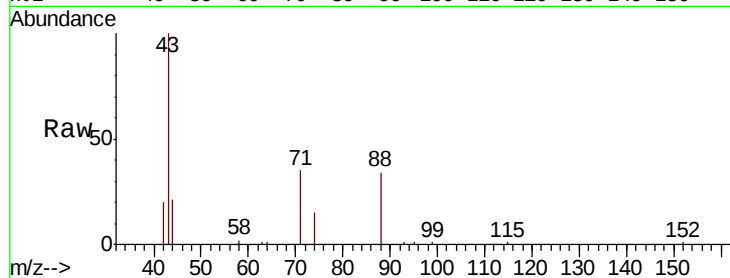


#3

n-Nitrosodimethylamine
 Concen: 0.648 ng
 RT: 3.00 min Scan# 21
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :
 PB123248BSD

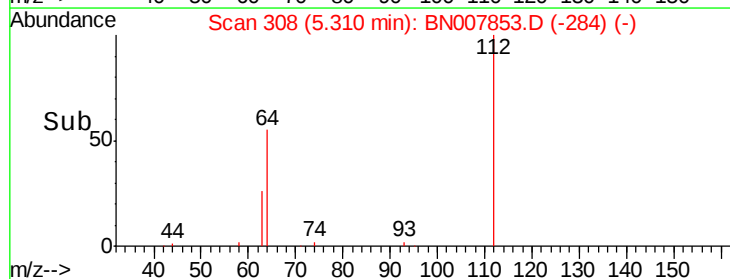
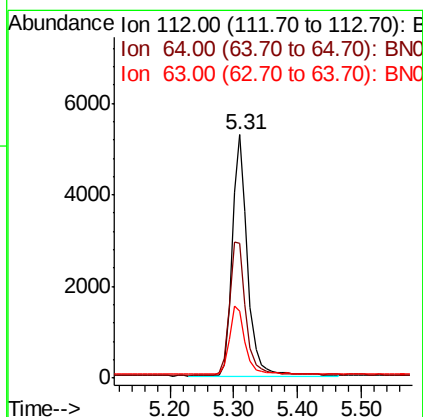
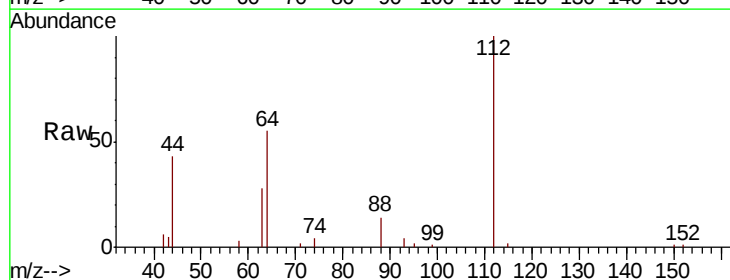
Tot Ion: 42 Resp: 2559
 Ion Ratio Lower Upper
 42 100
 74 115.4 87.9 131.9
 44 29.1 29.4 44.0#



#4

2-Fluorophenol
 Concen: 0.322 ng
 RT: 5.31 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Tgt Ion: 112 Resp: 8586
 Ion Ratio Lower Upper
 112 100
 64 59.6 46.6 70.0
 63 29.1 23.1 34.7





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

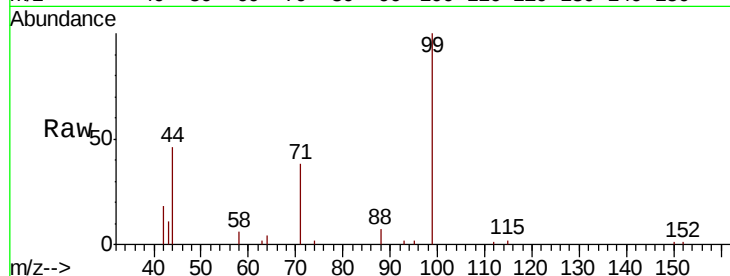
Tot Ion: 99 Resp: 10705

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

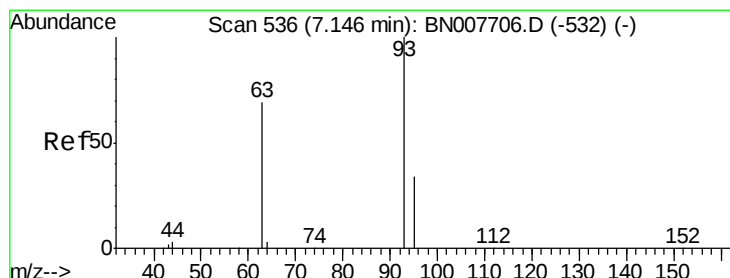
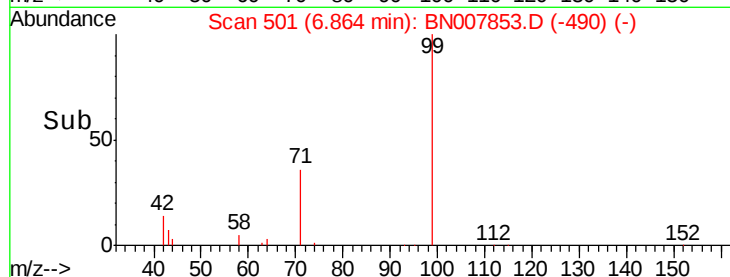
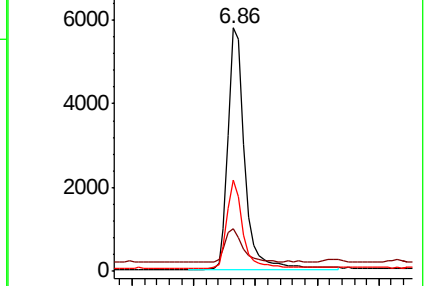
71 35.1 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

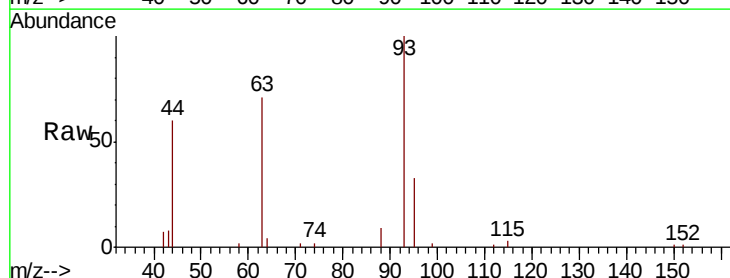
Tgt Ion: 93 Resp: 8896

Ion Ratio Lower Upper

93 100

63 75.7 59.3 88.9

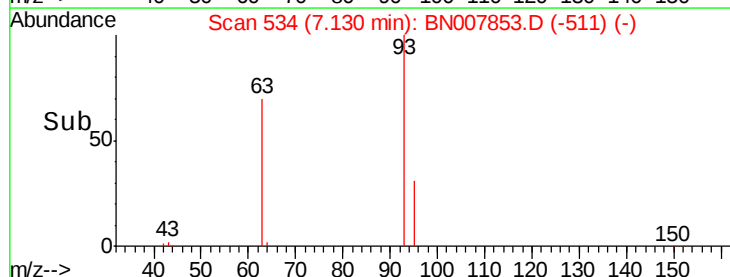
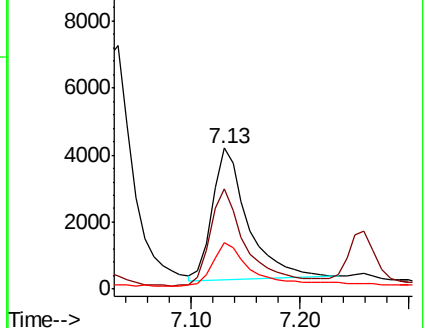
95 37.9 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BN007706.D (-532) (-)

Ion 63.00 (62.70 to 63.70): BN007706.D (-532) (-)

Ion 95.00 (94.70 to 95.70): BN007706.D (-532) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

Tot Ion:136 Resp: 29672

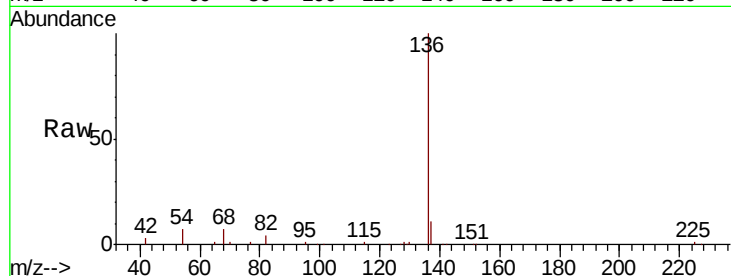
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.8 5.8 8.8

68 7.4 6.5 9.7

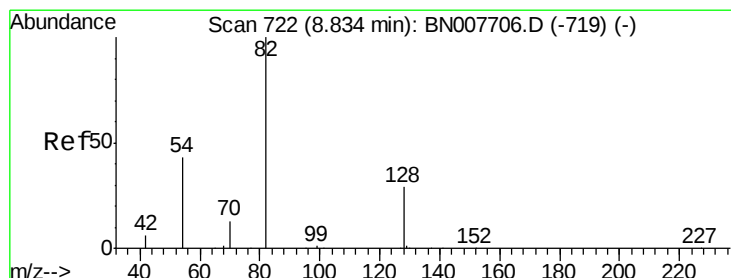
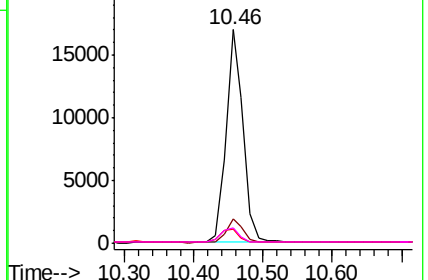
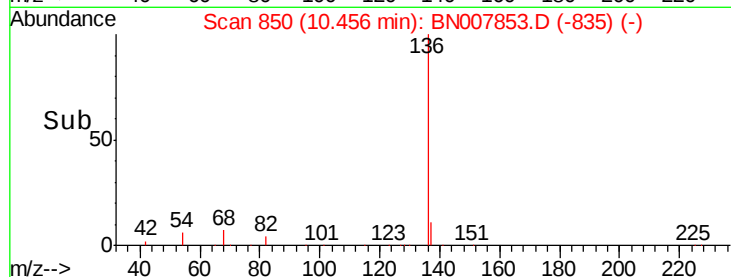


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.365 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

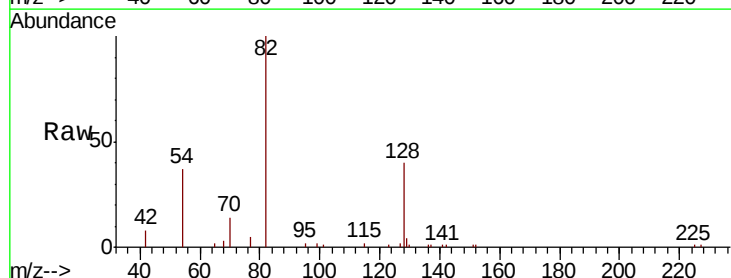
Tgt Ion: 82 Resp: 9472

Ion Ratio Lower Upper

82 100

128 39.9 24.5 36.7#

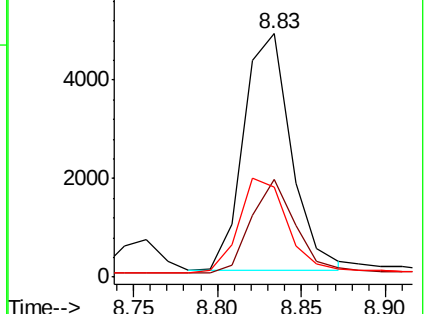
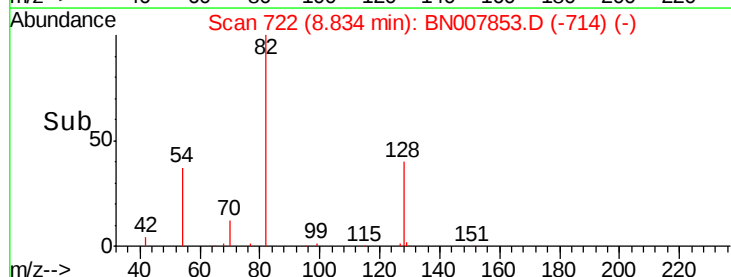
54 37.0 35.2 52.8



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: 0.427 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

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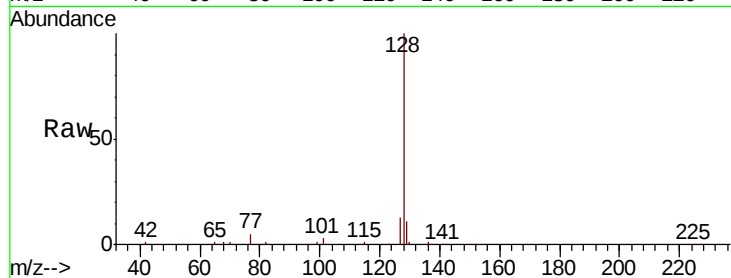
Tot Ion:128 Resp: 35541

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

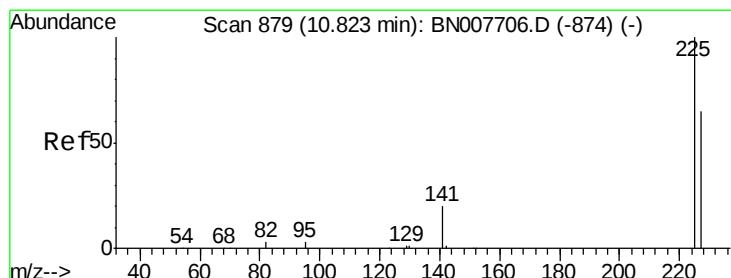
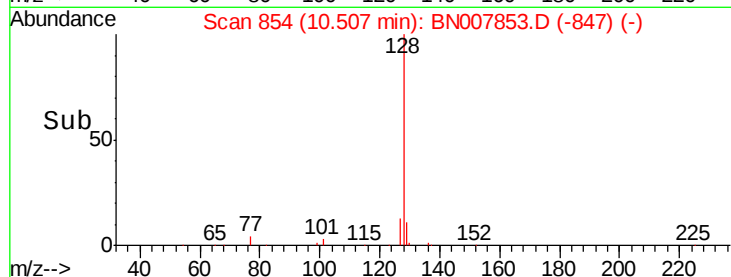
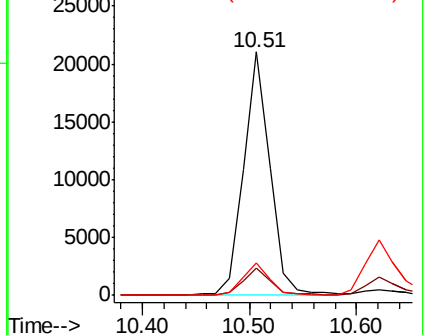
127 13.1 10.6 15.8



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: 0.430 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

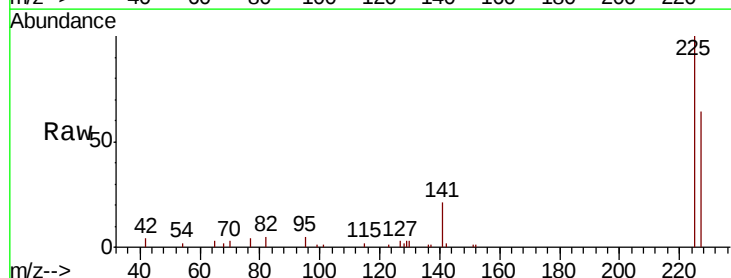
Tgt Ion:225 Resp: 7550

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

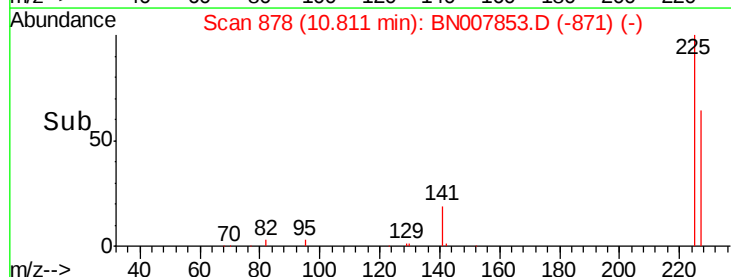
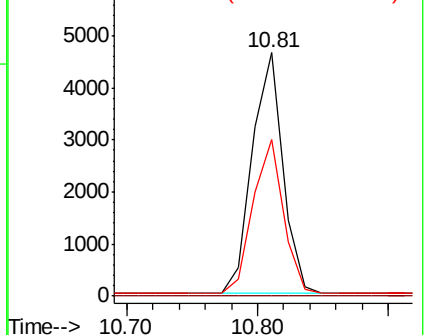
227 63.5 51.2 76.8

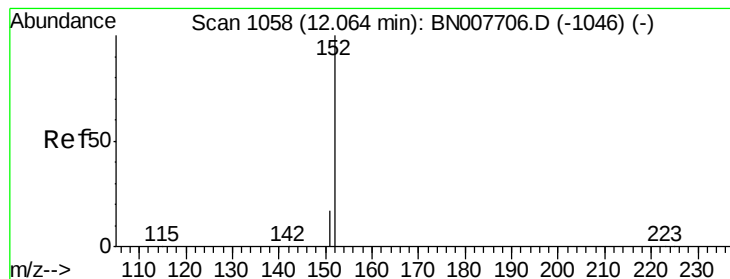


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.419 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

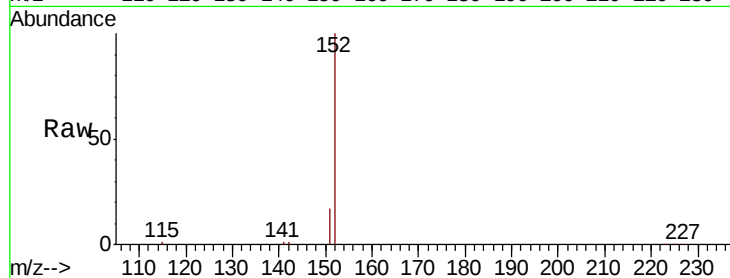
PB123248BSD

Tot Ion:152 Resp: 20948

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

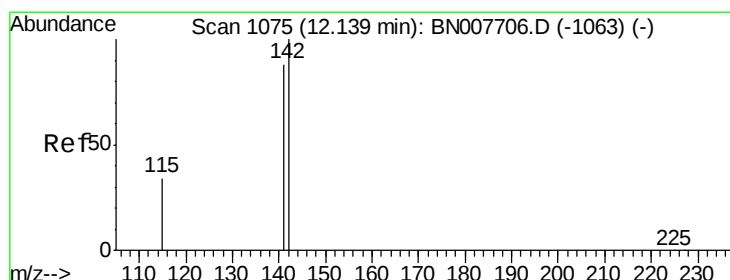
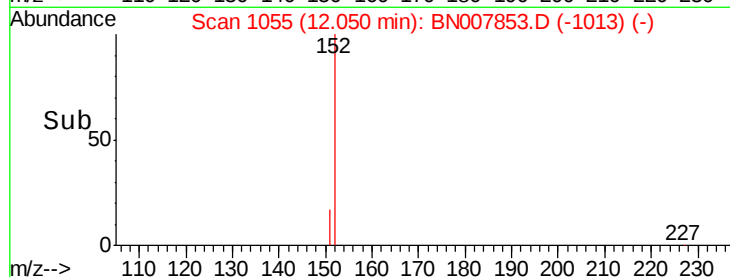
12.05

10000

5000

0

Time--> 11.90 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.423 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

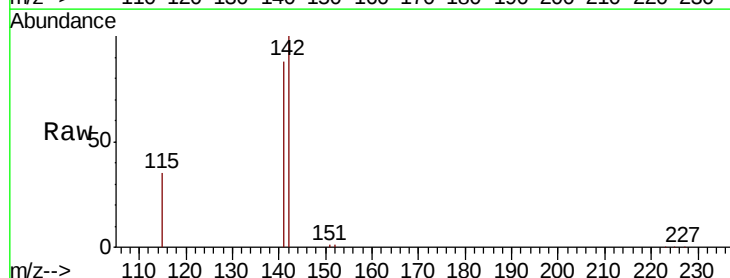
Tgt Ion:142 Resp: 23808

Ion Ratio Lower Upper

142 100

141 88.1 70.6 106.0

115 34.9 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

20000

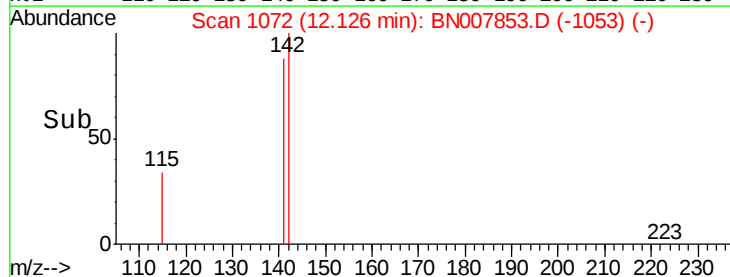
15000

10000

5000

0

Time--> 12.00 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

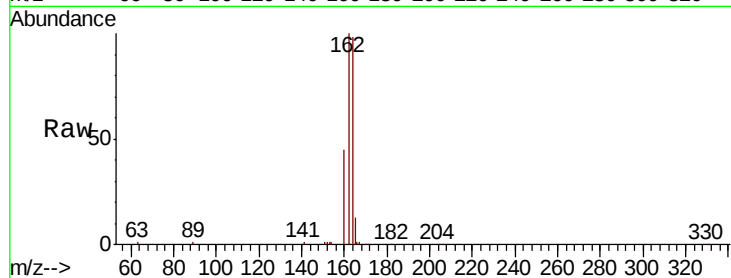
Tot Ion:164 Resp: 17267

Ion Ratio Lower Upper

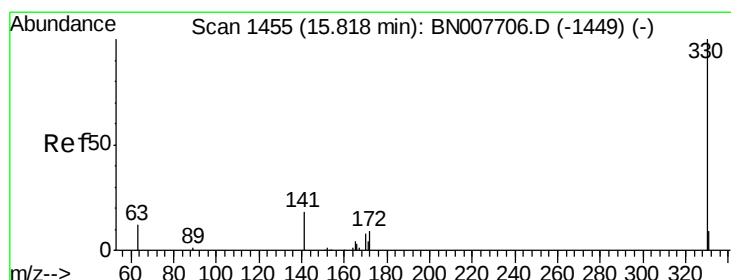
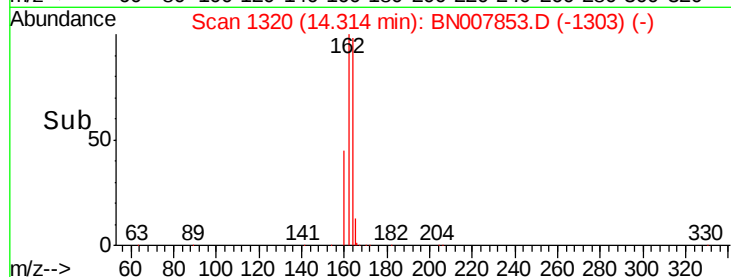
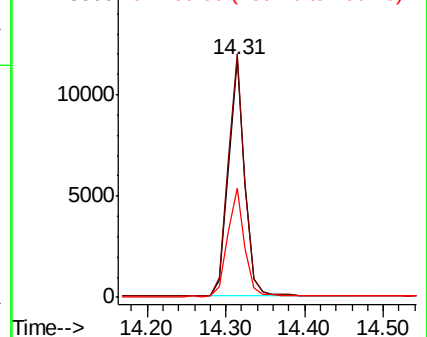
164 100

162 102.2 81.7 122.5

160 46.1 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: 0.229 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

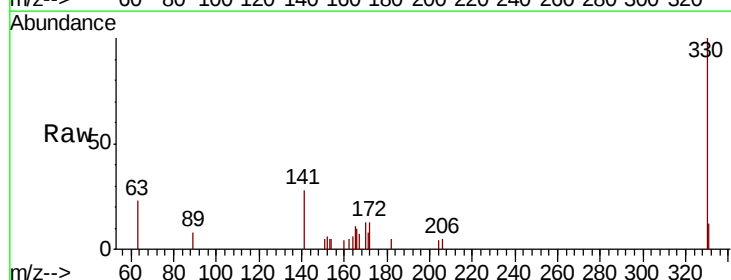
Tgt Ion:330 Resp: 2156

Ion Ratio Lower Upper

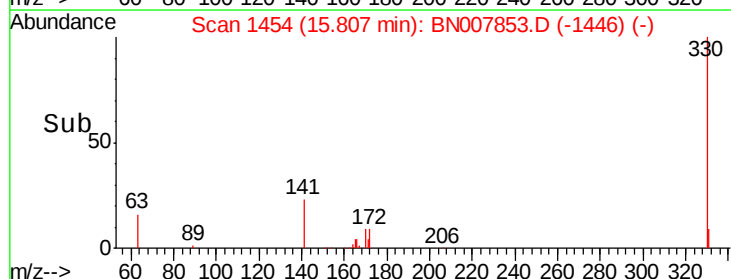
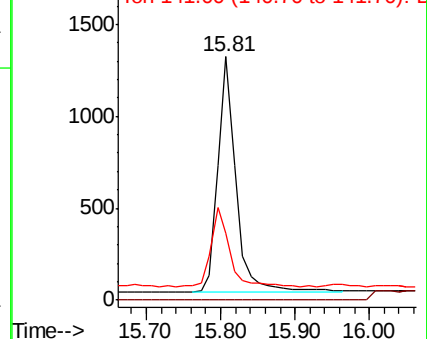
330 100

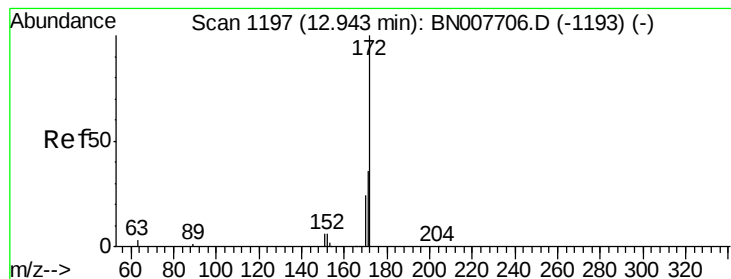
332 0.0 0.0 0.0

141 34.3 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: 0.414 ng

RT: 12.93 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

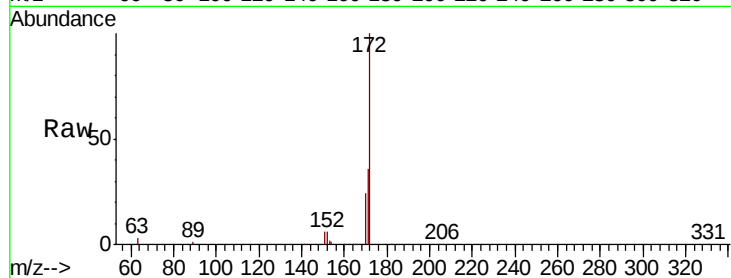
Tot Ion:172 Resp: 29468

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 19.5 29.3

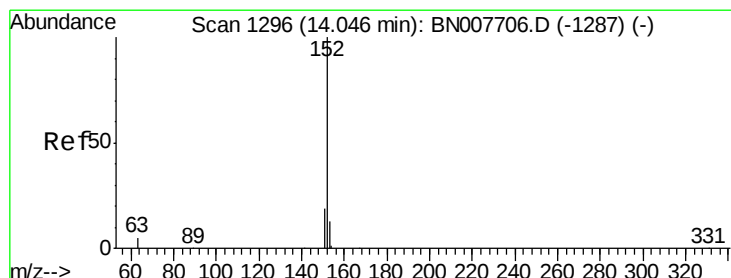
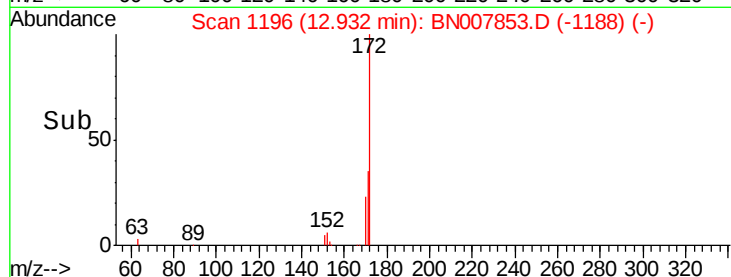
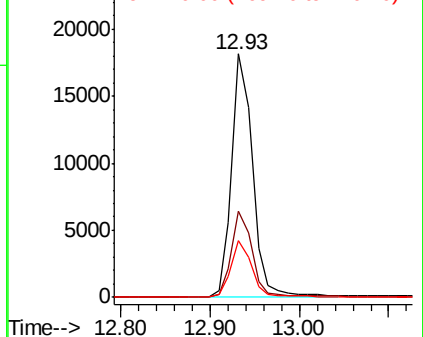


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.361 ng

RT: 14.02 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

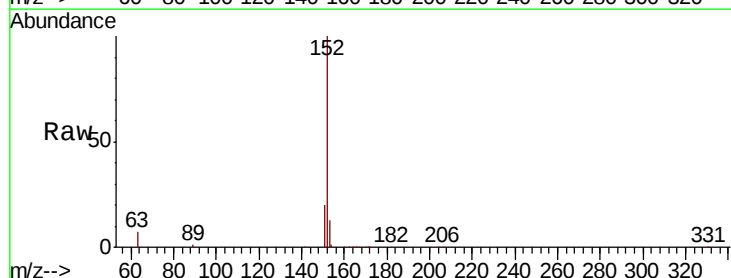
Tgt Ion:152 Resp: 33097

Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

153 13.0 10.4 15.6

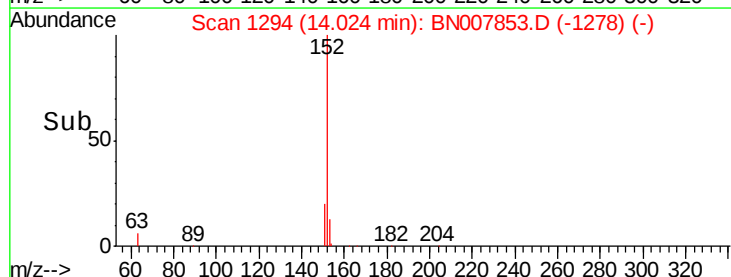
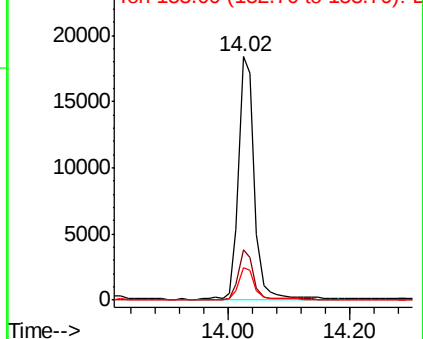


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.379 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

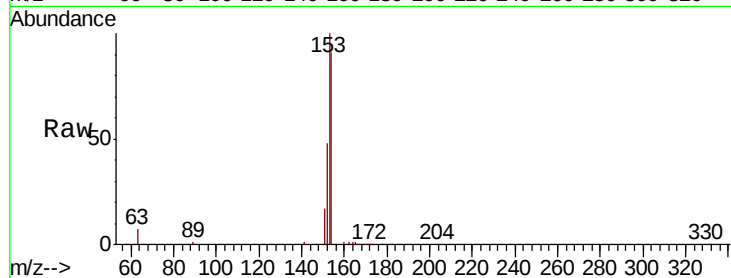
Tot Ion:154 Resp: 22347

Ion Ratio Lower Upper

154 100

153 113.0 87.0 130.4

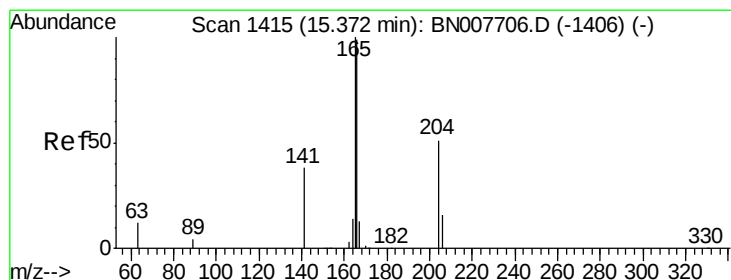
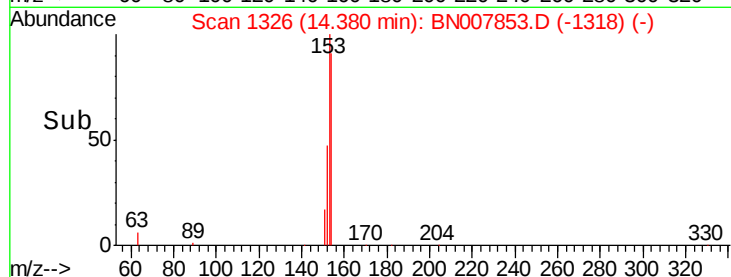
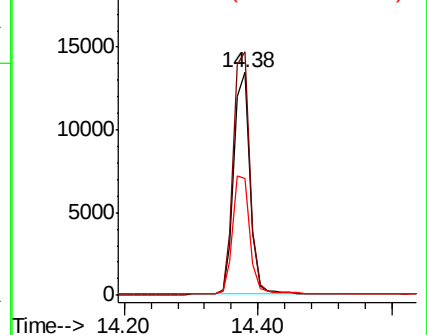
152 55.8 42.7 64.1



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: 0.373 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

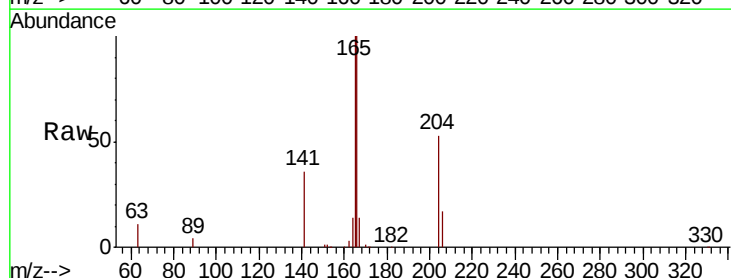
Tgt Ion:166 Resp: 28262

Ion Ratio Lower Upper

166 100

165 97.7 78.0 117.0

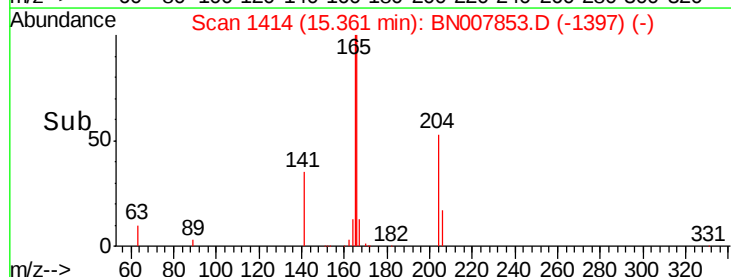
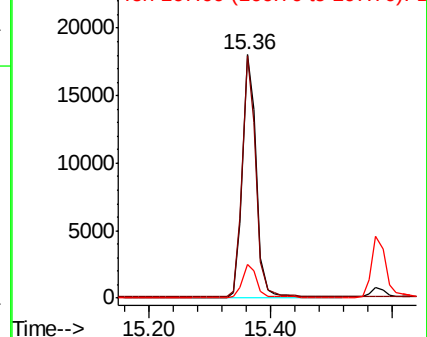
167 13.7 10.9 16.3



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: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

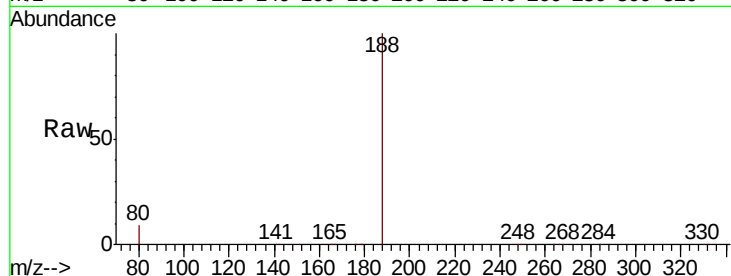
Tot Ion:188 Resp: 34102

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

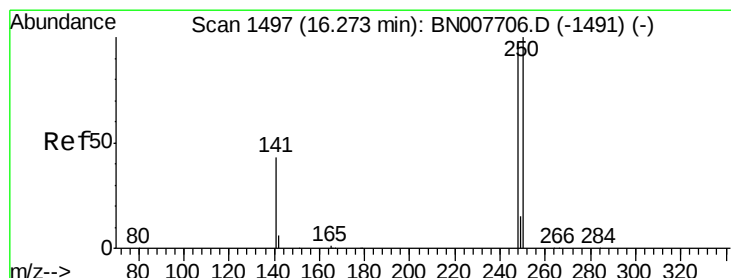
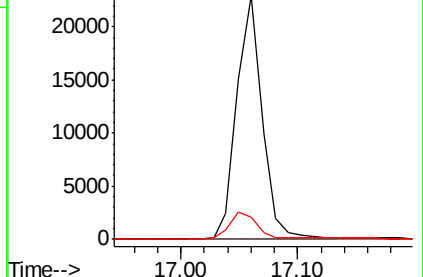
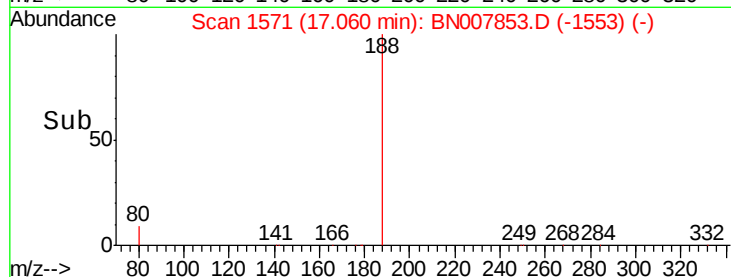
80 9.1 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.444 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

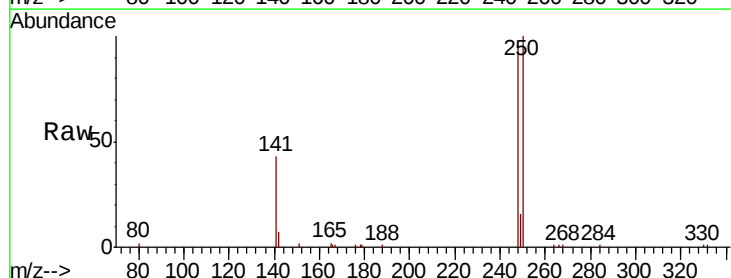
Tgt Ion:248 Resp: 9193

Ion Ratio Lower Upper

248 100

250 103.7 82.2 123.4

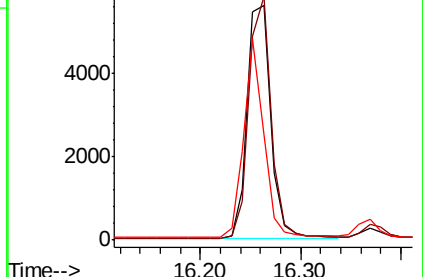
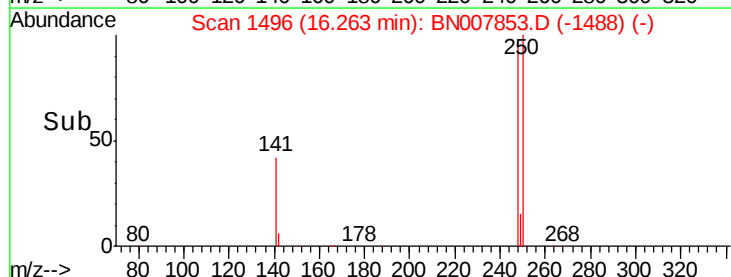
141 44.7 36.3 54.5



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

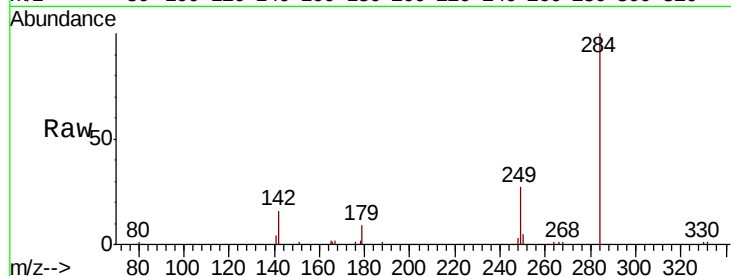




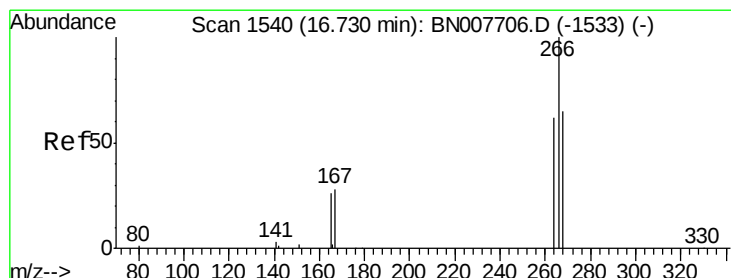
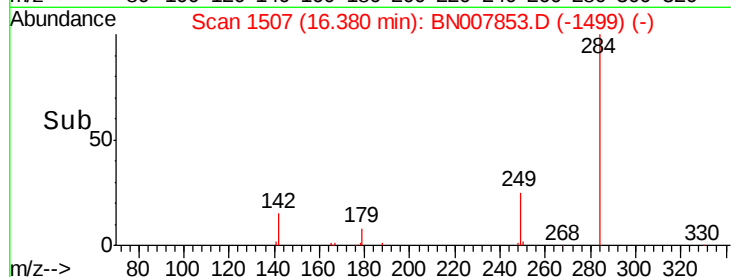
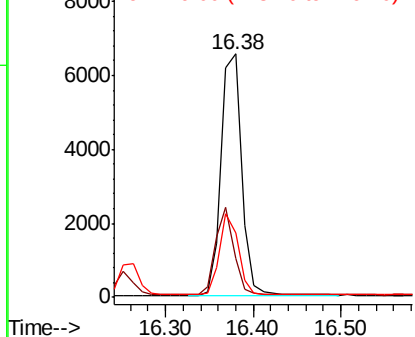
#21
Hexachlorobenzene
Concen: 0.469 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

Instrument :
BNA_N
ClientSampleId :
PB123248BSD

Tot Ion:284 Resp: 10605
Ion Ratio Lower Upper
284 100
142 32.3 25.8 38.6
249 31.4 25.9 38.9

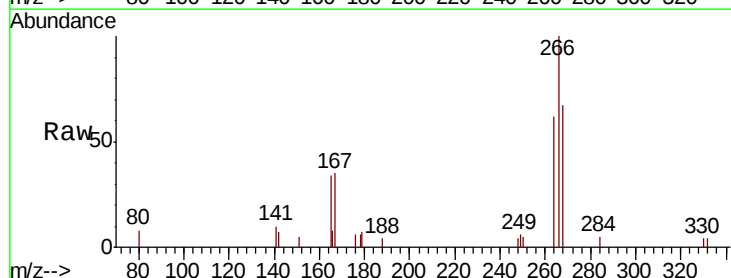


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

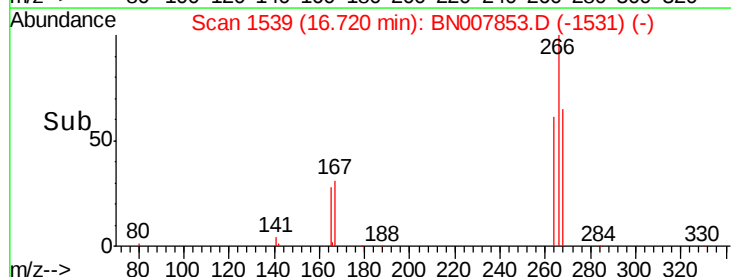
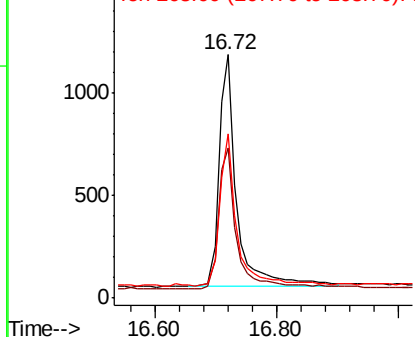


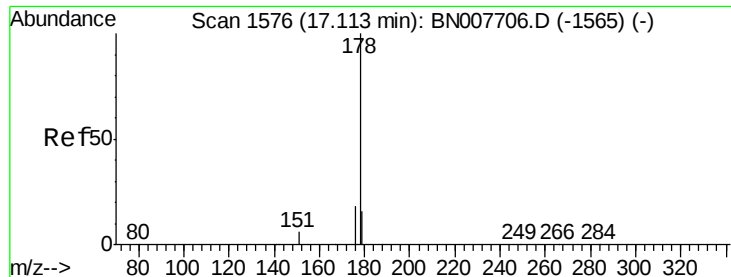
#22
Pentachlorophenol
Concen: 0.268 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

Tgt Ion:266 Resp: 2239
Ion Ratio Lower Upper
266 100
264 61.8 50.0 75.0
268 67.3 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: 0.429 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

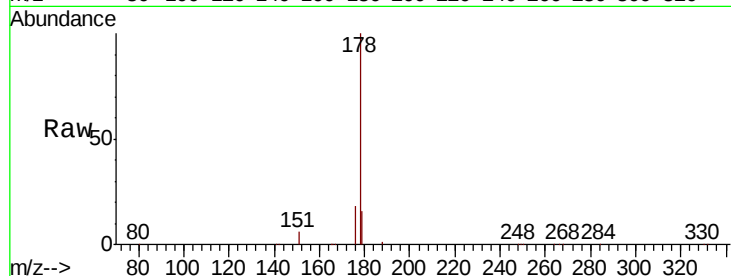
Tot Ion:178 Resp: 45593

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

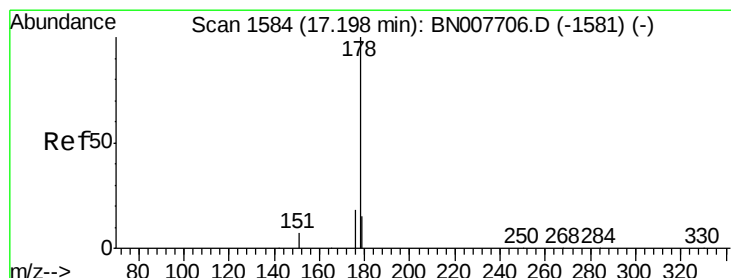
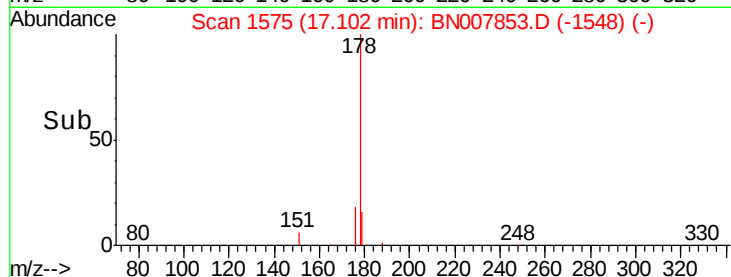
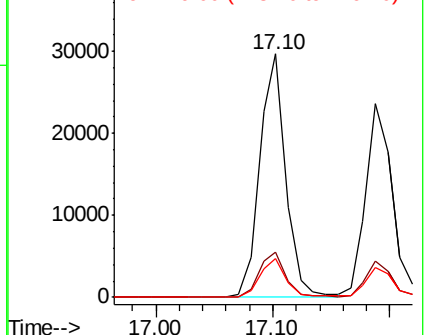
179 15.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

40000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.394 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

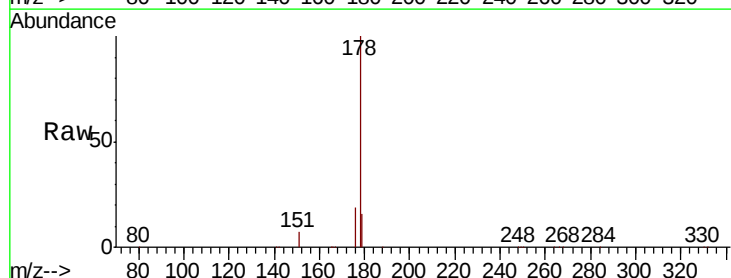
Tgt Ion:178 Resp: 37850

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

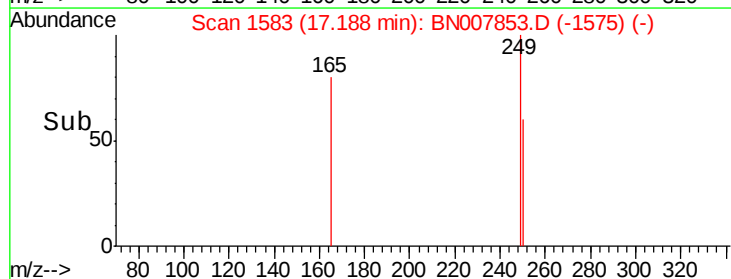
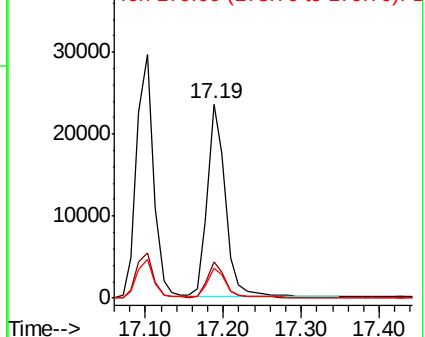
179 15.2 12.2 18.4

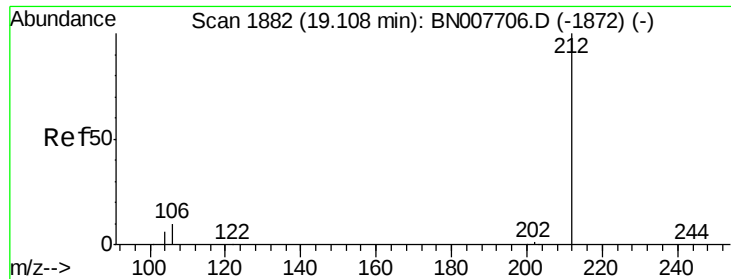


Abundance Ion 178.00 (177.70 to 178.70): E

40000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

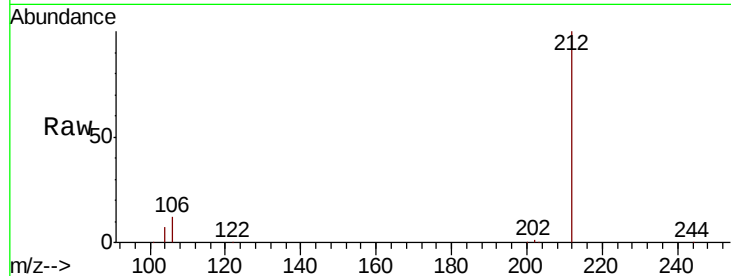
Tot Ion:212 Resp: 40968

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

104 6.7 5.3 7.9

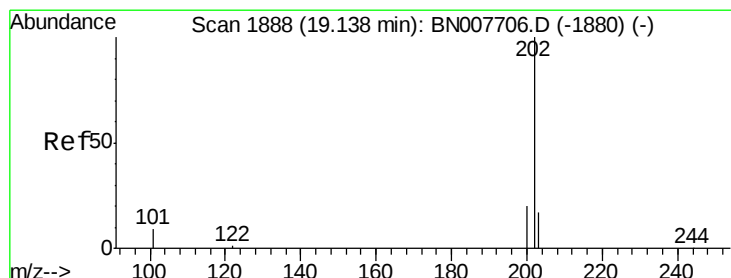
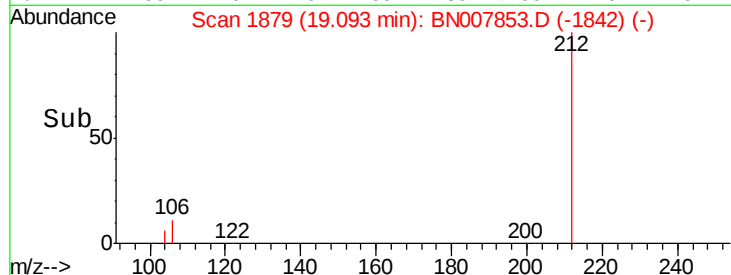
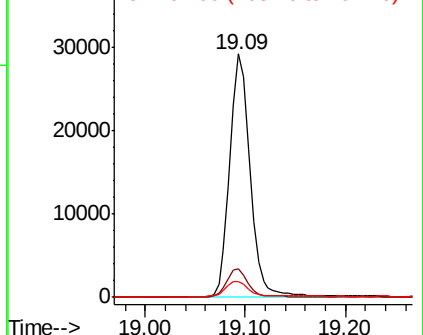


Abundance

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: 0.365 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

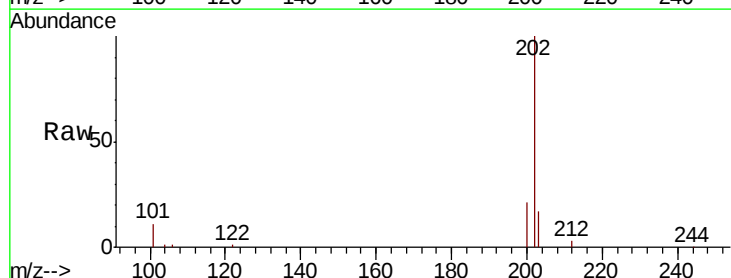
Tgt Ion:202 Resp: 48181

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

203 17.4 13.8 20.8

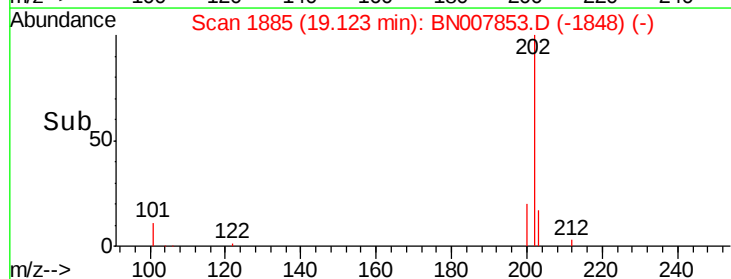
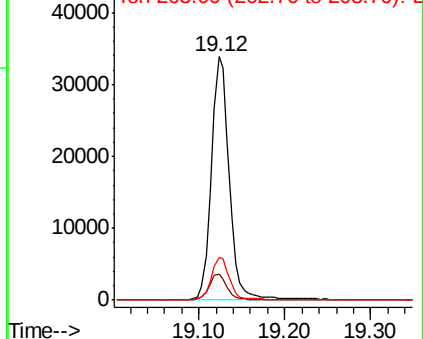


Abundance

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

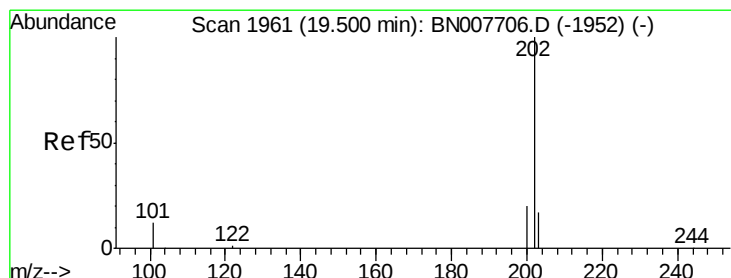
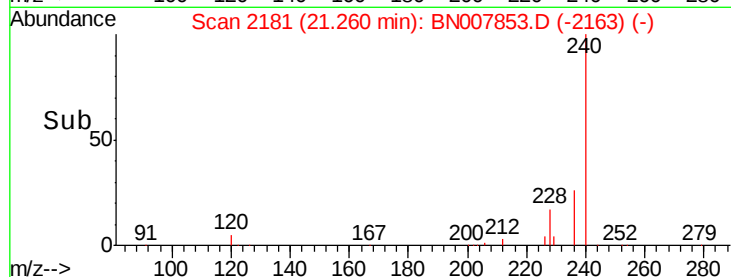
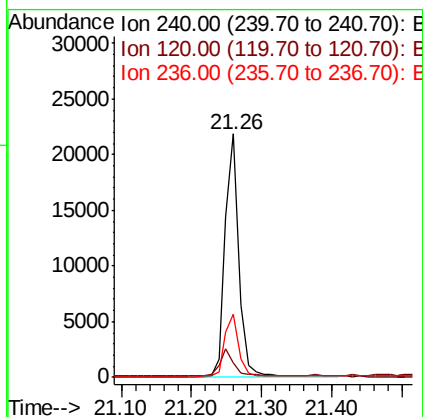
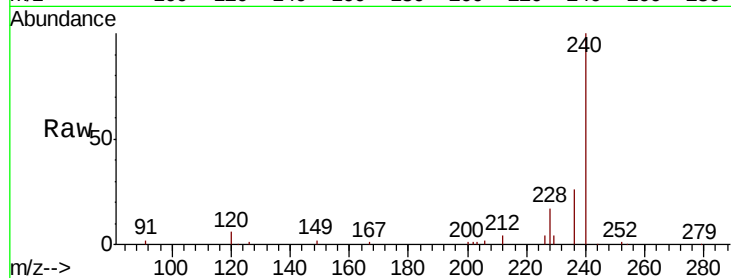




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

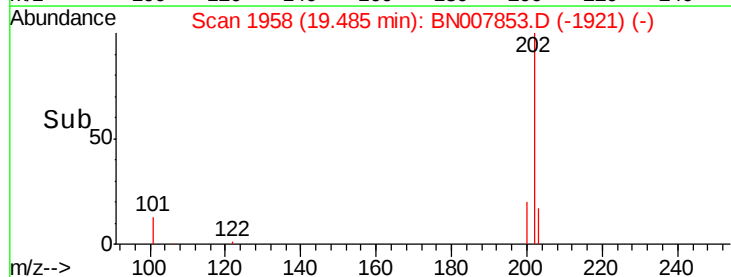
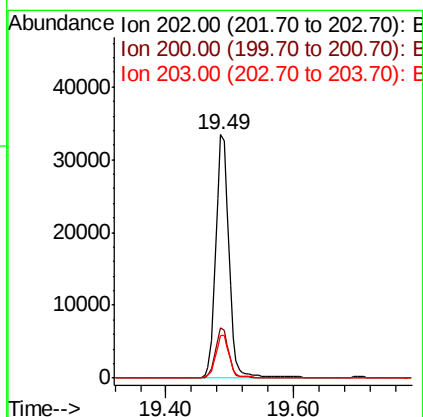
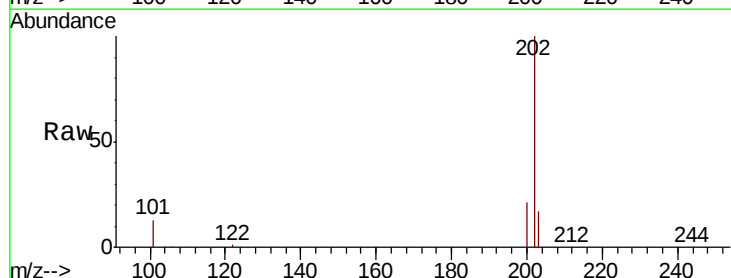
Instrument :
BNA_N
ClientSampleId :
PB123248BSD

Tot Ion:240 Resp: 29775
Ion Ratio Lower Upper
240 100
120 5.9 5.4 8.2
236 26.1 21.0 31.4



#28
Pyrene
Concen: 0.470 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

Tgt Ion:202 Resp: 47726
Ion Ratio Lower Upper
202 100
200 20.4 16.4 24.6
203 17.4 14.1 21.1

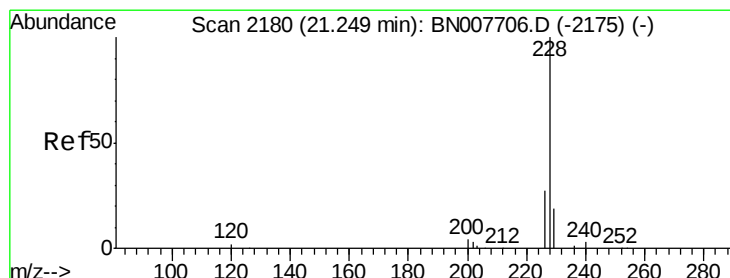
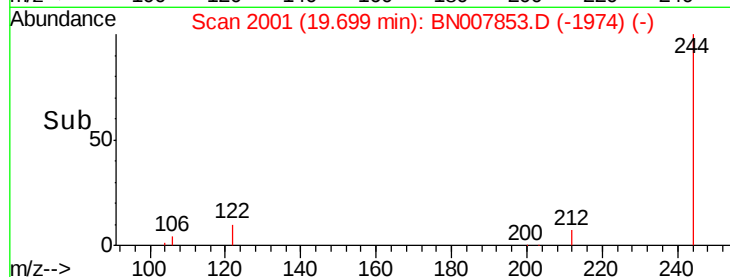
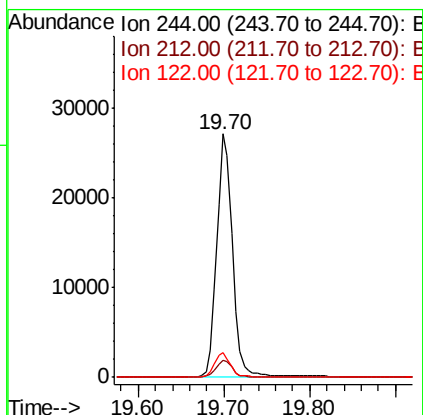
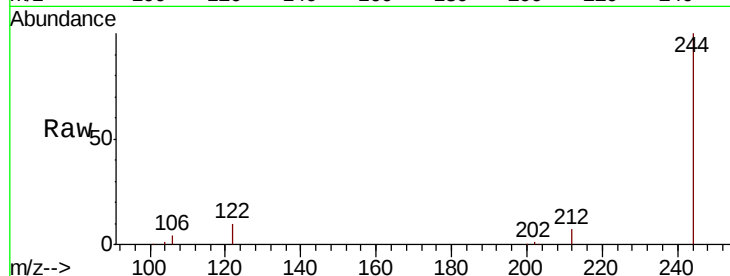




#29
 Terphenyl-d14
 Concen: 0.470 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

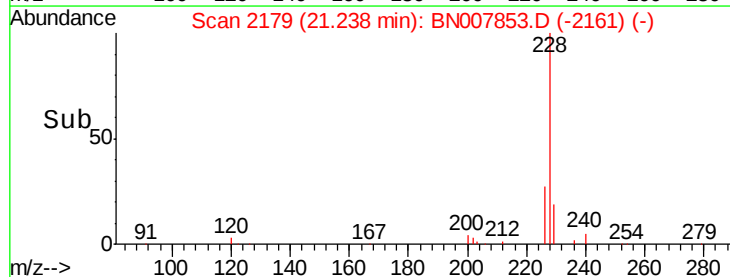
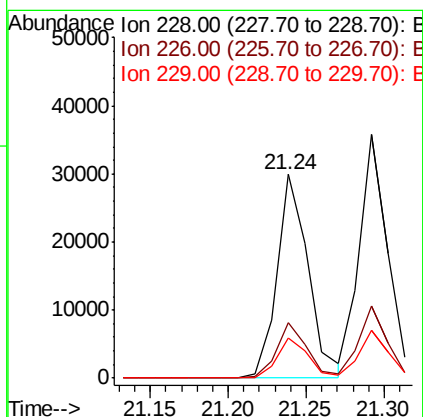
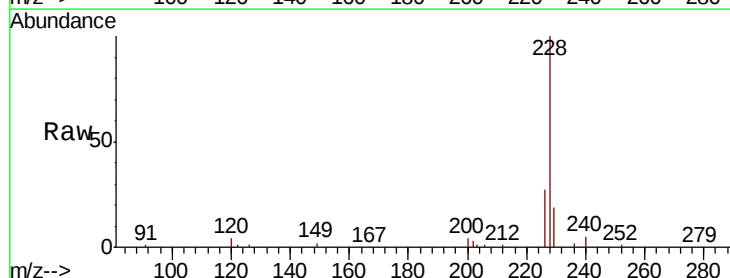
Instrument :
 BNA_N
 ClientSampleId :
 PB123248BSD

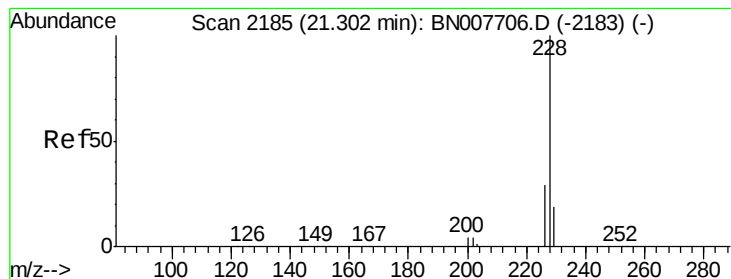
Tot Ion:244 Resp: 34406
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.1 7.4 11.2



#30
 Benzo(a)anthracene
 Concen: 0.374 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Tgt Ion:228 Resp: 41006
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.1 33.1
 229 19.4 15.8 23.6

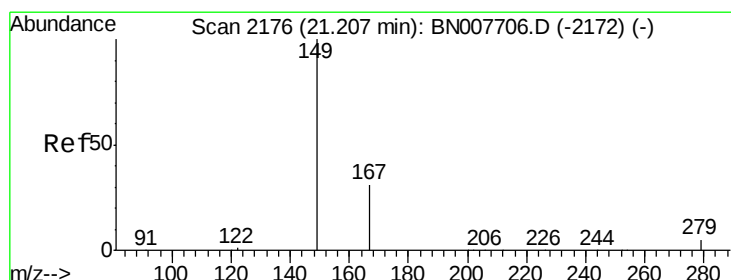
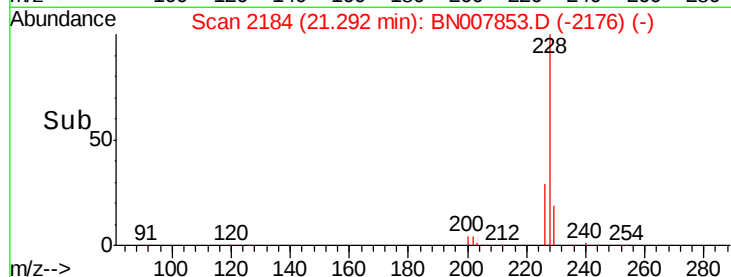
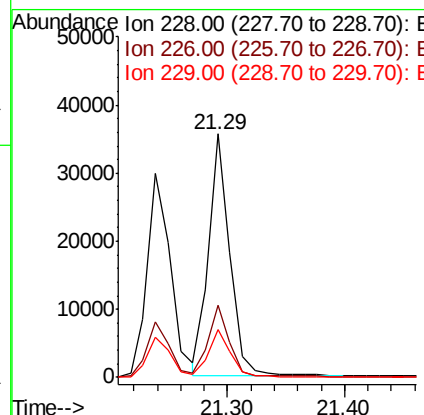
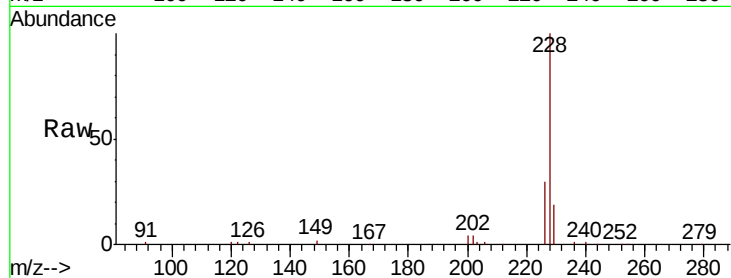




#31
Chrysene
Concen: 0.422 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

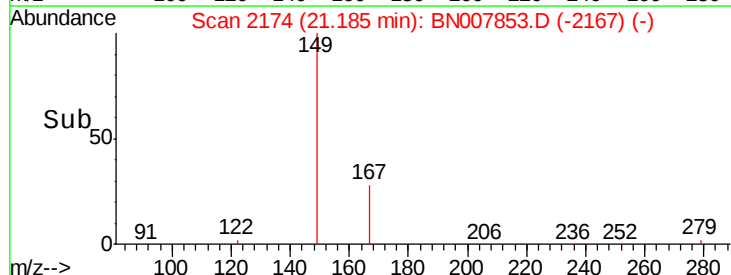
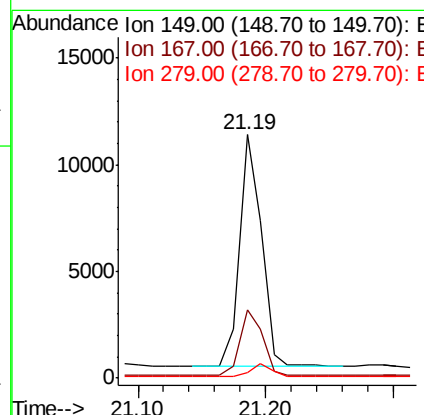
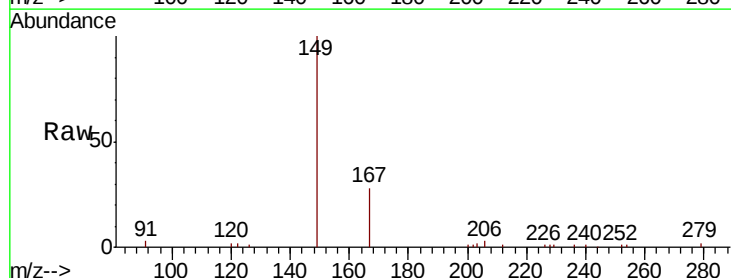
Instrument :
BNA_N
ClientSampleId :
PB123248BSD

Tot Ion:228 Resp: 45127
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 19.5 15.8 23.6



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.229 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

Tgt Ion:149 Resp: 12930
Ion Ratio Lower Upper
149 100
167 29.4 23.7 35.5
279 4.9 4.2 6.2

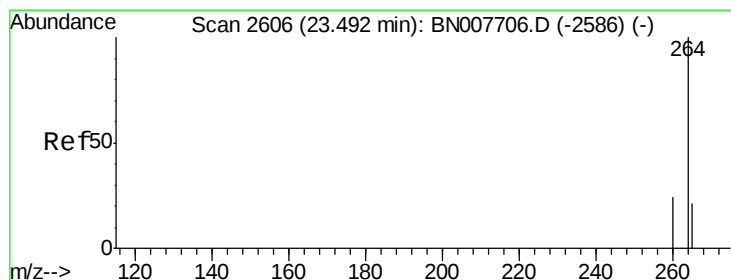
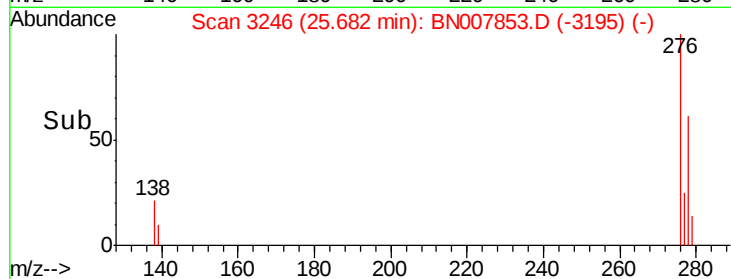
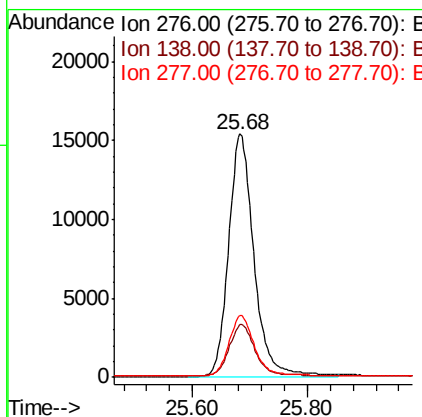
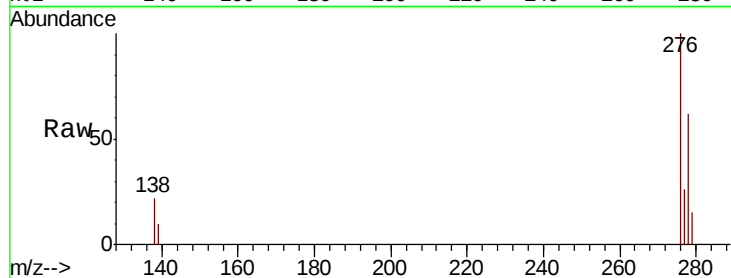




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.352 ng
 RT: 25.68 min Scan# 3246
 Delta R.T. -0.02 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

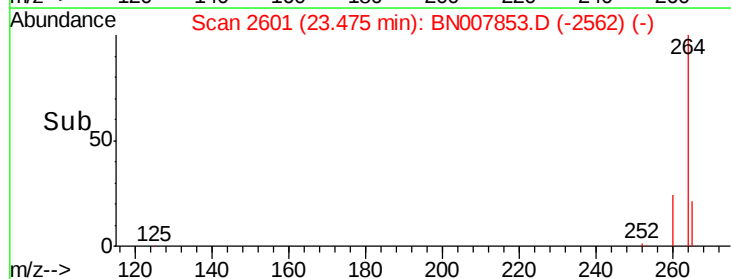
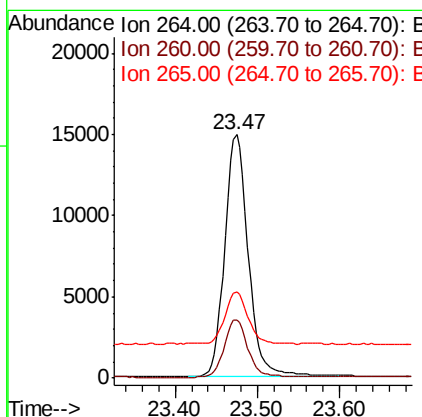
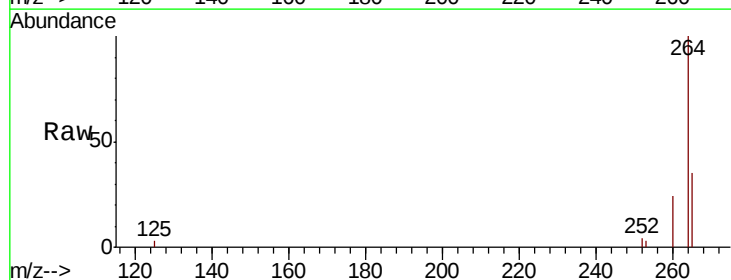
Instrument :
 BNA_N
 ClientSampleId :
 PB123248BSD

Tot Ion:276 Resp: 47073
 Ion Ratio Lower Upper
 276 100
 138 21.9 17.1 25.7
 277 25.2 20.0 30.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BN007853.D
 Acq: 25 Sep 2019 14:36

Tgt Ion:264 Resp: 29733
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.3 28.9
 265 35.4 26.9 40.3

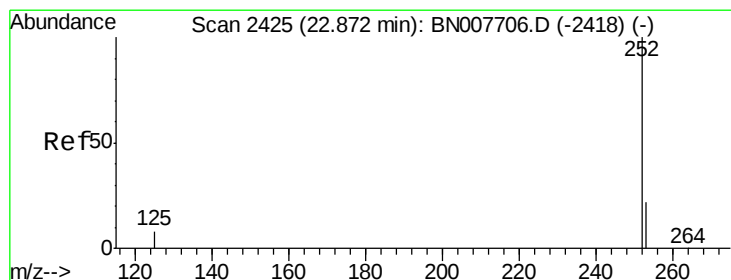
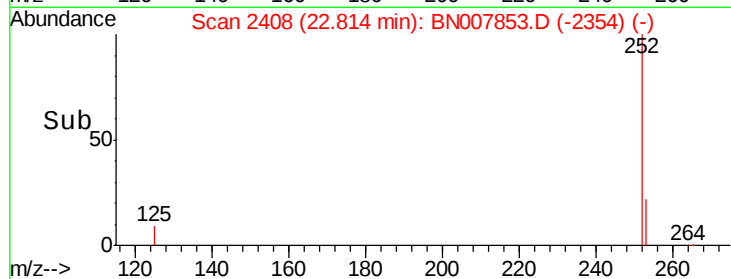
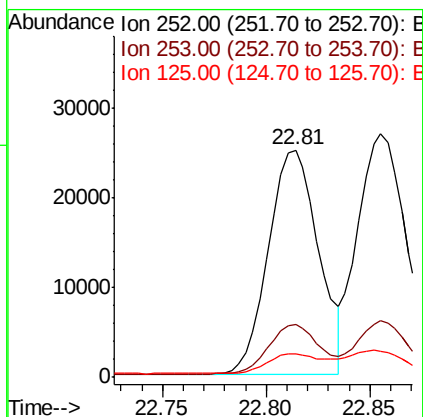
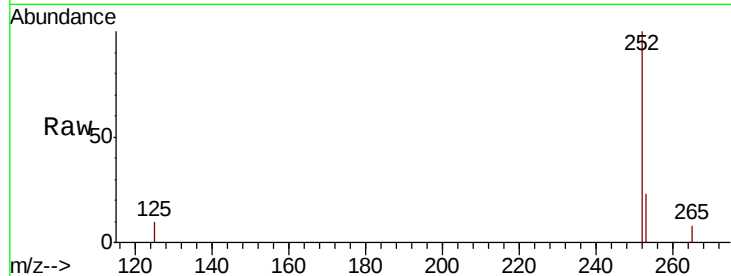




#35
Benzo(b)fluoranthene
Concen: 0.409 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

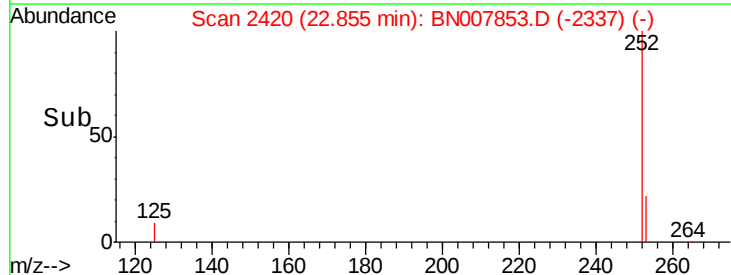
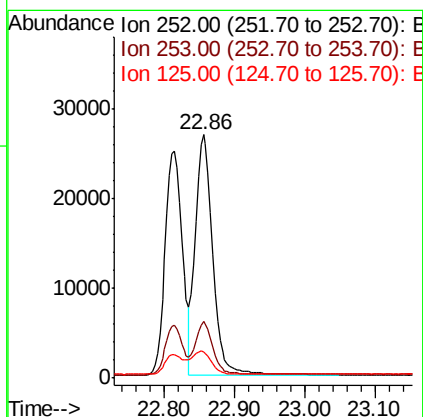
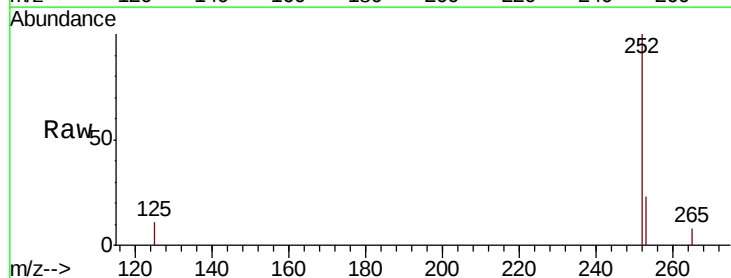
Instrument :
BNA_N
ClientSampleId :
PB123248BSD

Tot Ion:252 Resp: 42167
Ion Ratio Lower Upper
252 100
253 23.0 18.3 27.5
125 10.5 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 0.458 ng
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007853.D
Acq: 25 Sep 2019 14:36

Tgt Ion:252 Resp: 46716
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 10.8 8.4 12.6





#37

Benzo(a)pyrene

Concen: 0.392 ng

RT: 23.38 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

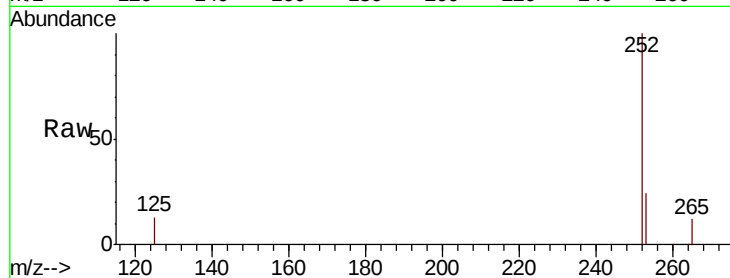
Tot Ion:252 Resp: 38009

Ion Ratio Lower Upper

252 100

253 23.8 18.6 27.8

125 13.4 9.4 14.0

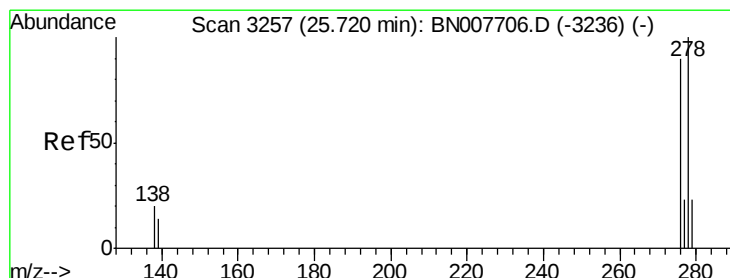
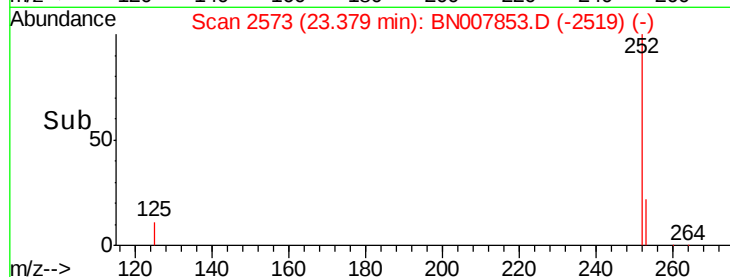
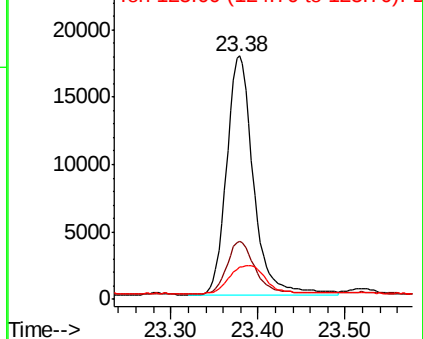


Abundance

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: 0.385 ng

RT: 25.70 min Scan# 3250

Delta R.T. -0.02 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

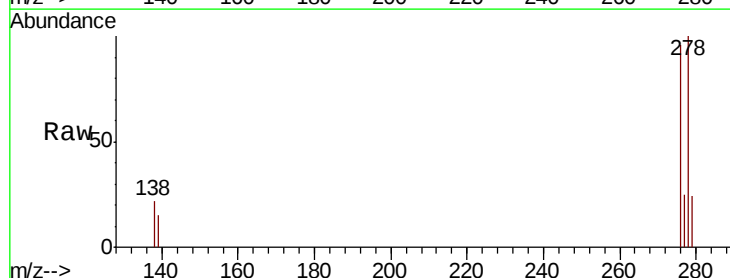
Tgt Ion:278 Resp: 38231

Ion Ratio Lower Upper

278 100

139 14.9 11.8 17.6

279 24.4 19.4 29.2

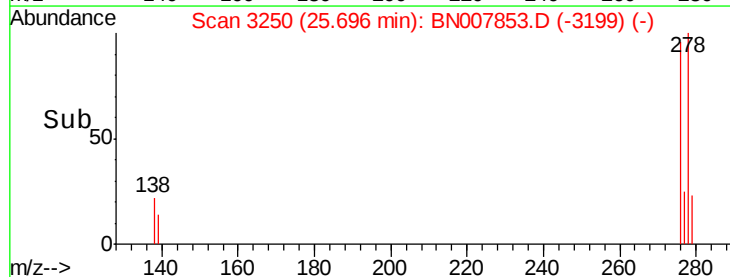
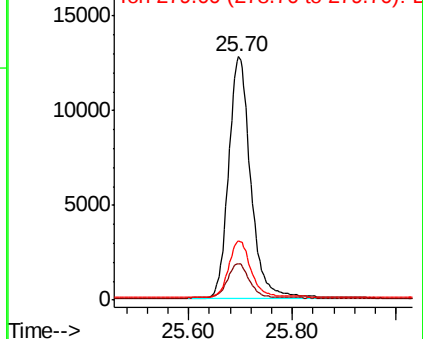


Abundance

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: 0.390 ng

RT: 26.35 min Scan# 3442

Delta R.T. -0.03 min

Lab File: BN007853.D

Acq: 25 Sep 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB123248BSD

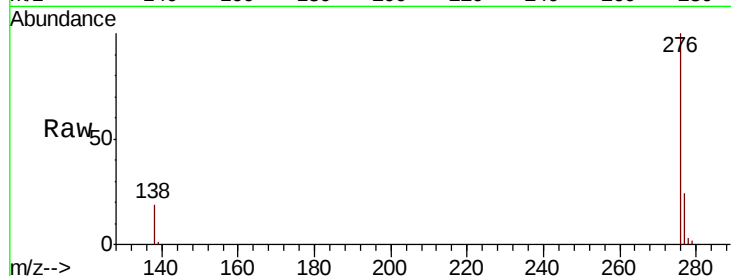
Tot Ion: 276 Resp: 38291

Ion Ratio Lower Upper

276 100

277 24.2 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

