

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009011.D
 Acq On : 17 Dec 2019 11:53
 Operator : JU
 Sample : PB125417BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB125417BSD

Quant Time: Dec 17 16:09:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2458	0.40	ng	-0.02
7) Naphthalene-d8	10.30	136	9650	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	7280	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	19109	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	18167	0.40	ng	-0.01
34) Perylene-d12	23.27	264	15849	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	2362	0.38	ng	0.00
5) Phenol-d6	6.74	99	3476	0.40	ng	0.00
8) Nitrobenzene-d5	8.68	82	2800	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	11.90	152	6435	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.67	330	1355	0.39	ng	-0.01
15) 2-Fluorobiphenyl	12.79	172	9192	0.33	ng	-0.02
25) Fluoranthene-d10	18.96	212	21442	0.37	ng	0.00
29) Terphenyl-d14	19.57	244	15905	0.38	ng	0.00

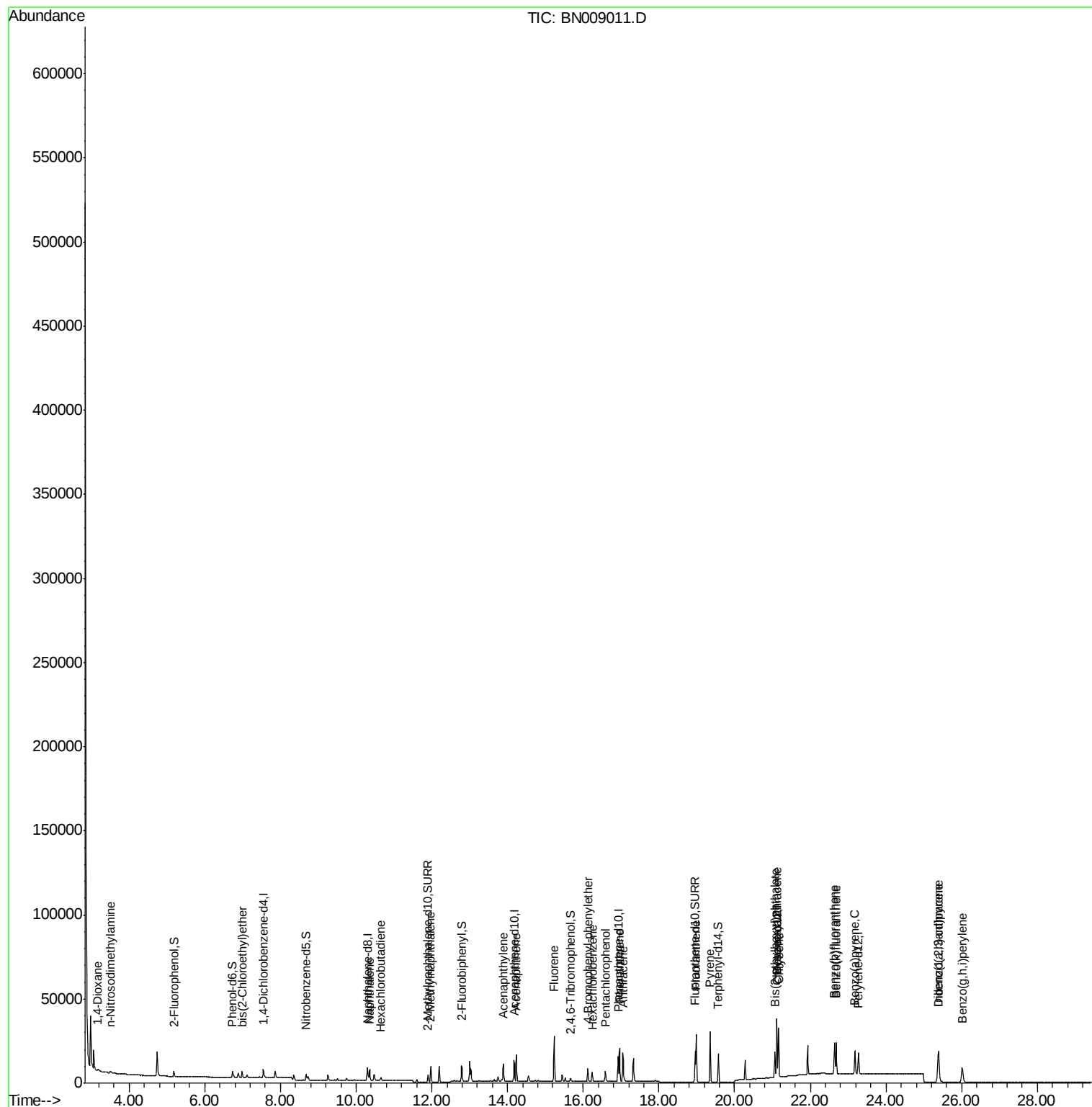
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	592	0.257	ng	# 73
3) n-Nitrosodimethylamine	3.50	42	942	0.296	ng	# 90
6) bis(2-Chloroethyl)ether	6.99	93	2664	0.327	ng	100
9) Naphthalene	10.35	128	9434	0.358	ng	100
10) Hexachlorobutadiene	10.65	225	1643	0.326	ng	# 99
12) 2-Methylnaphthalene	11.97	142	7232	0.369	ng	99
16) Acenaphthylene	13.89	152	12007	0.361	ng	100
17) Acenaphthene	14.24	154	7801	0.353	ng	100
18) Fluorene	15.23	166	11365	0.382	ng	100
20) 4-Bromophenyl-phenylether	16.12	248	3736	0.327	ng	98
21) Hexachlorobenzene	16.24	284	4202	0.323	ng	99
22) Pentachlorophenol	16.58	266	2991	0.637	ng	97
23) Phenanthrene	16.96	178	20735	0.345	ng	100
24) Anthracene	17.05	178	18716	0.353	ng	100
26) Fluoranthene	18.99	202	25488	0.356	ng	100
28) Pyrene	19.35	202	25779	0.405	ng	99
30) Benzo(a)anthracene	21.11	228	23868	0.371	ng	99
31) Chrysene	21.16	228	24821	0.372	ng	98
32) Bis(2-ethylhexyl)phthalate	21.07	149	11206	0.372	ng	100
33) Indeno(1,2,3-cd)pyrene	25.38	276	20536	0.291	ng	99
35) Benzo(b)fluoranthene	22.64	252	22350	0.394	ng	99
36) Benzo(k)fluoranthene	22.68	252	21912	0.384	ng	98
37) Benzo(a)pyrene	23.18	252	19422	0.381	ng	98
38) Dibenzo(a,h)anthracene	25.39	278	16941	0.354	ng	99
39) Benzo(g,h,i)perylene	26.01	276	17459	0.370	ng	100

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

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Quant Time: Dec 17 16:09:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.55 min Scan# 586

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

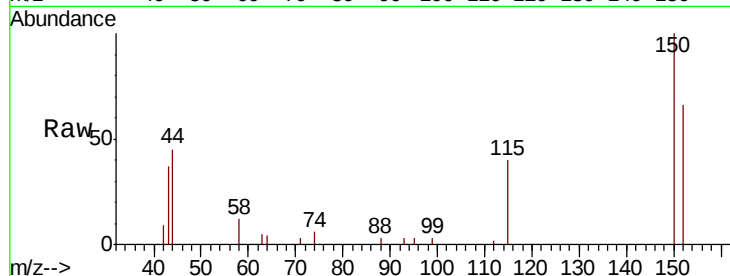
Tot Ion:152 Resp: 2458

Ion Ratio Lower Upper

152 100

150 151.8 122.3 183.5

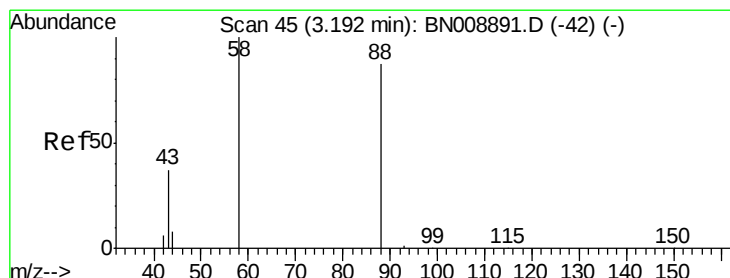
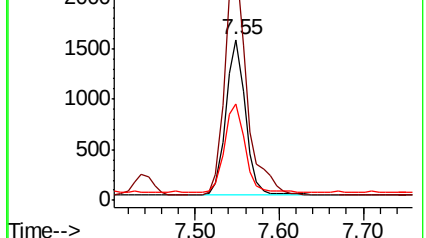
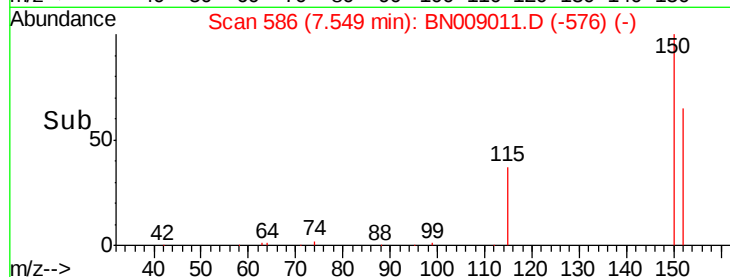
115 60.5 48.4 72.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.257 ng

RT: 3.18 min Scan# 43

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

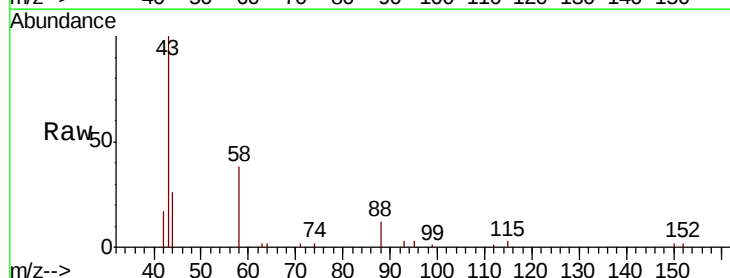
Tgt Ion: 88 Resp: 592

Ion Ratio Lower Upper

88 100

58 96.8 88.6 132.8

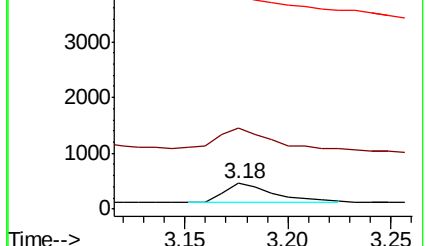
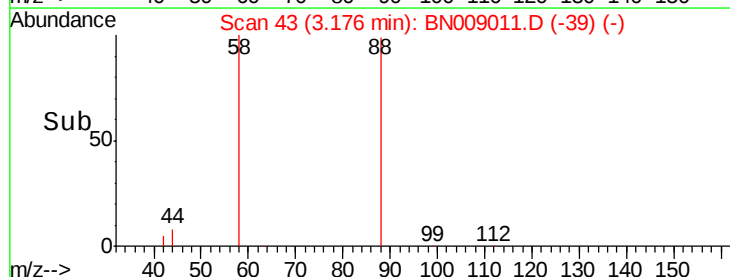
43 0.0 31.8 47.8#

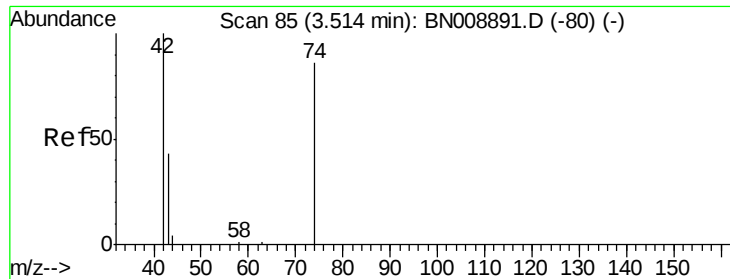


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



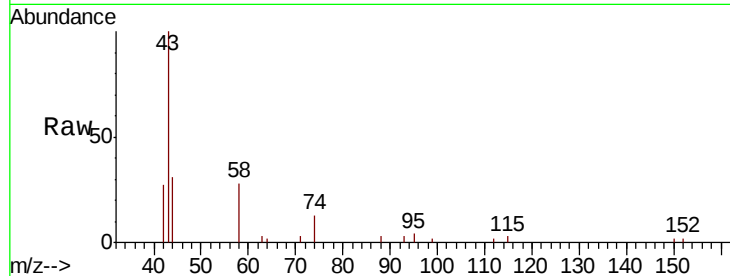


#3

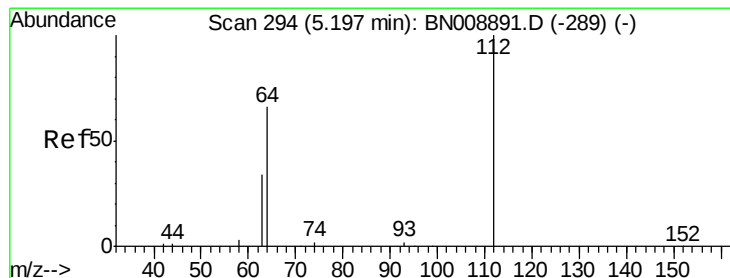
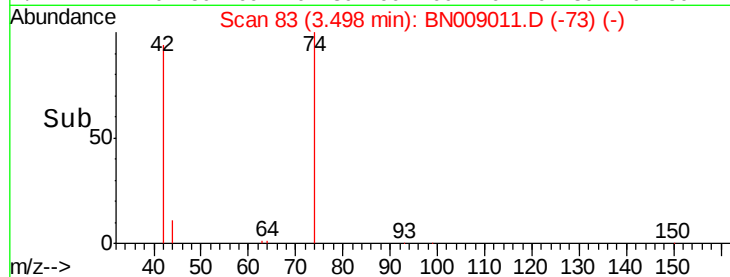
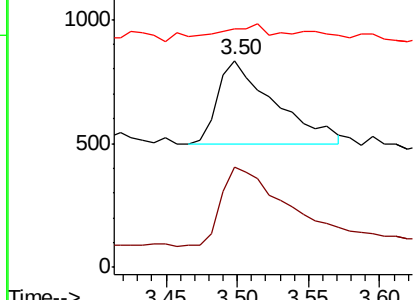
n-Nitrosodimethylamine
 Concen: 0.296 ng
 RT: 3.50 min Scan# 83
 Delta R.T. -0.02 min
 Lab File: BN009011.D
 Acq: 17 Dec 2019 11:53

Instrument :
 BNA_N
 ClientSampleId :
 PB125417BSD

Tot Ion: 42 Resp: 942
 Ion Ratio Lower Upper
 42 100
 74 108.4 78.6 117.8
 44 22.8 0.0 0.0#



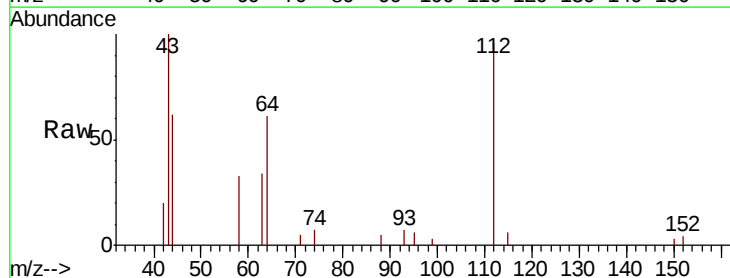
Abundance Ion 42.00 (41.70 to 42.70): BNC
 Ion 74.00 (73.70 to 74.70): BNC
 Ion 44.00 (43.70 to 44.70): BNC



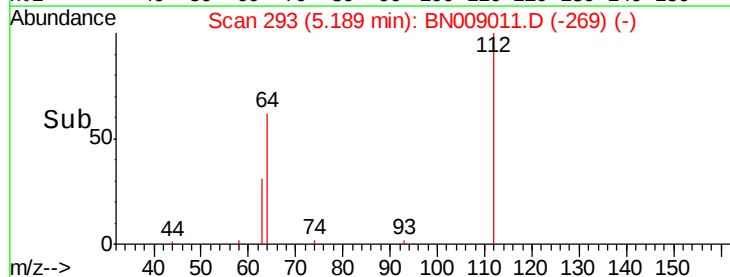
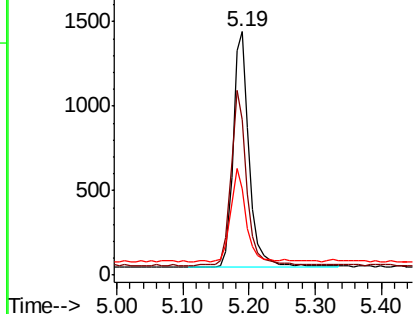
#4

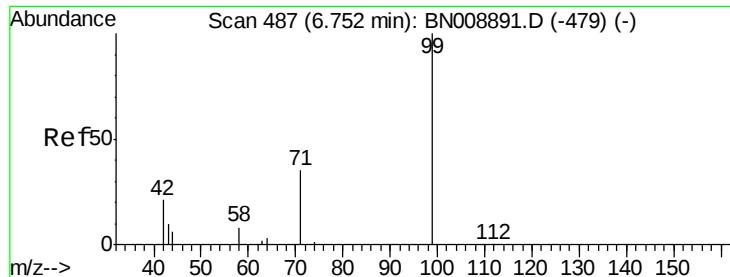
2-Fluorophenol
 Concen: 0.378 ng
 RT: 5.19 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BN009011.D
 Acq: 17 Dec 2019 11:53

Tgt Ion: 112 Resp: 2362
 Ion Ratio Lower Upper
 112 100
 64 71.8 57.7 86.5
 63 38.4 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BNC
 Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.402 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

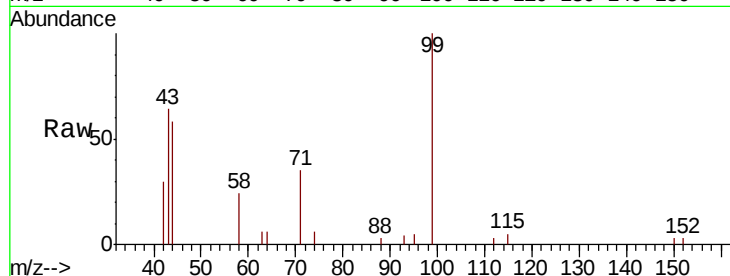
Tot Ion: 99 Resp: 3476

Ion Ratio Lower Upper

99 100

42 26.1 20.1 30.1

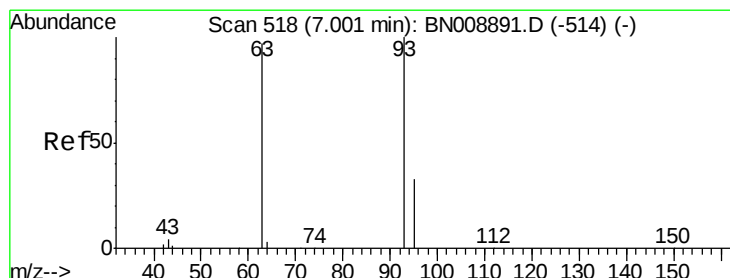
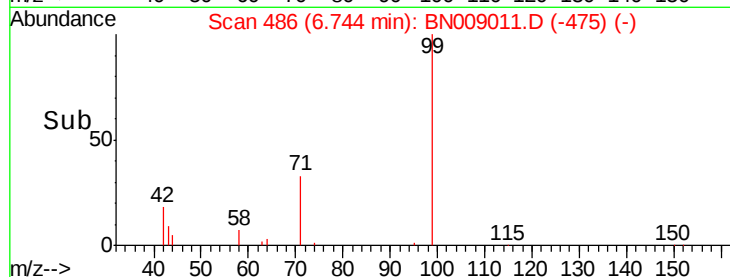
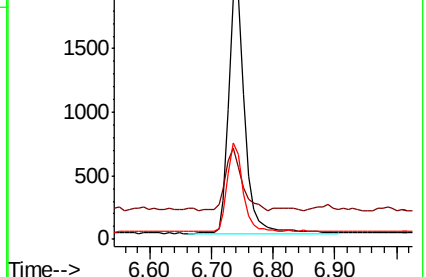
71 34.9 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BN009011.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN009011.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN009011.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.327 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

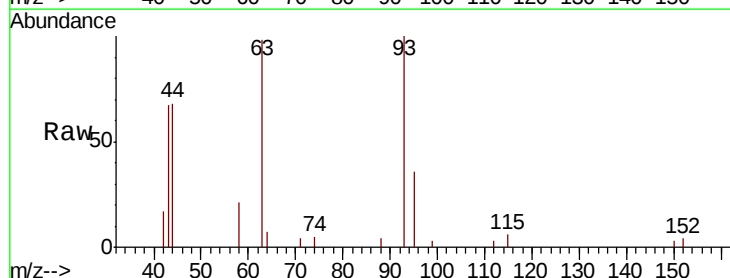
Tgt Ion: 93 Resp: 2664

Ion Ratio Lower Upper

93 100

63 92.0 73.5 110.3

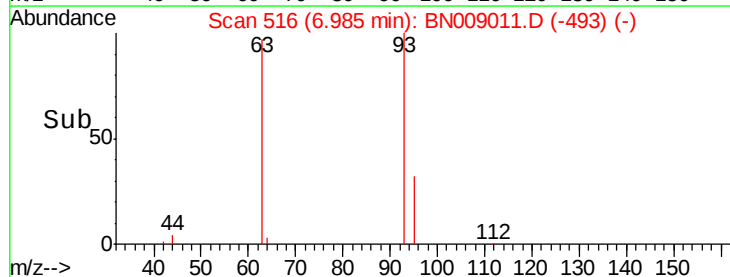
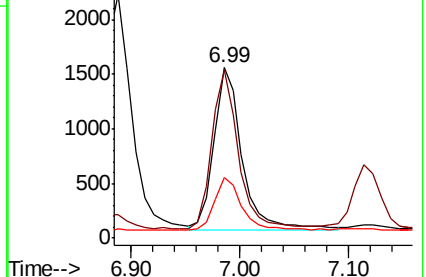
95 32.2 26.0 39.0

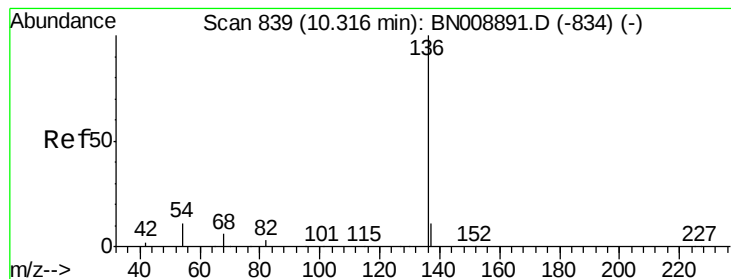


Abundance Ion 93.00 (92.70 to 93.70): BN009011.D (-493) (-)

Ion 63.00 (62.70 to 63.70): BN009011.D (-493) (-)

Ion 95.00 (94.70 to 95.70): BN009011.D (-493) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

Tot Ion:136 Resp: 9650

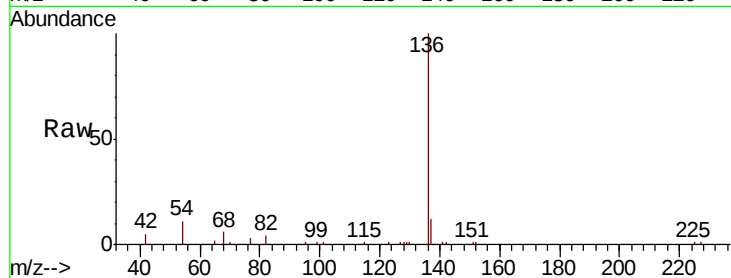
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 10.6 9.6 14.4

68 6.0 5.6 8.4

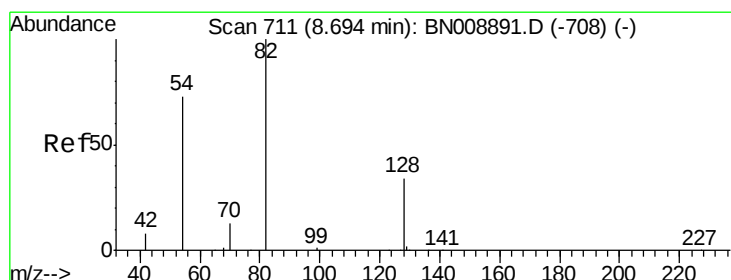
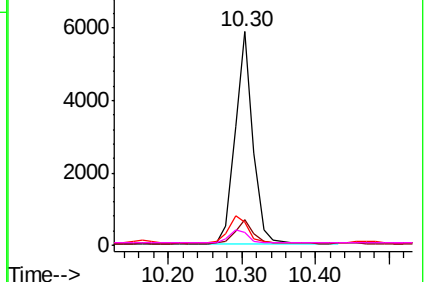
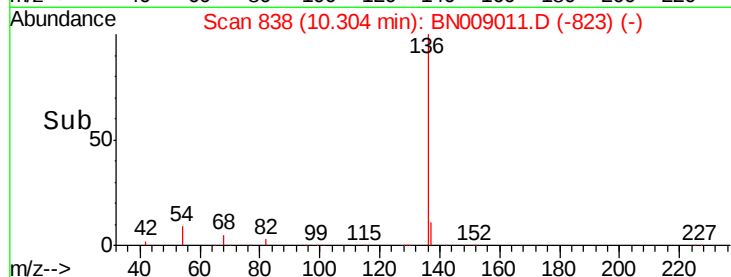


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

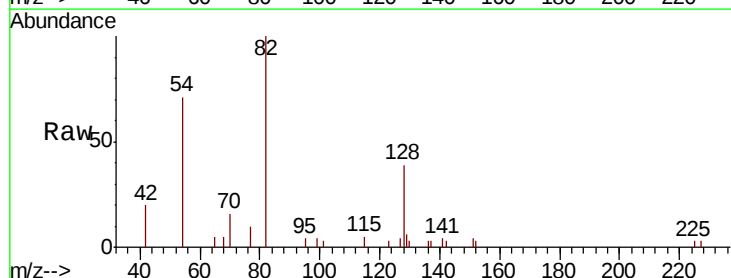
Tgt Ion: 82 Resp: 2800

Ion Ratio Lower Upper

82 100

128 39.2 29.1 43.7

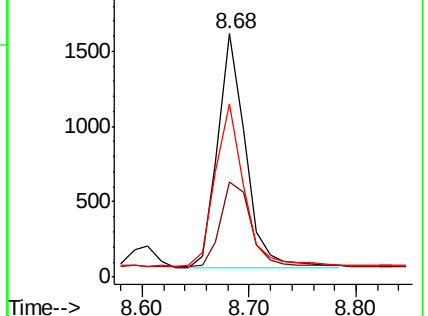
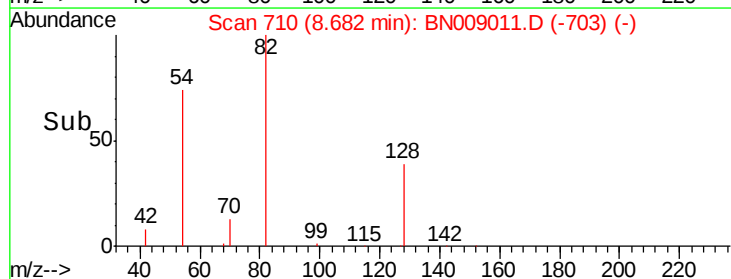
54 71.0 59.7 89.5

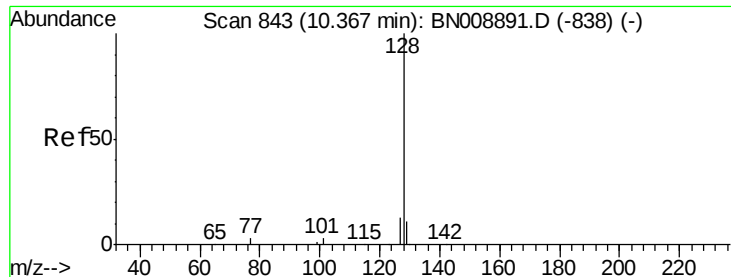


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.358 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

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PB125417BSD

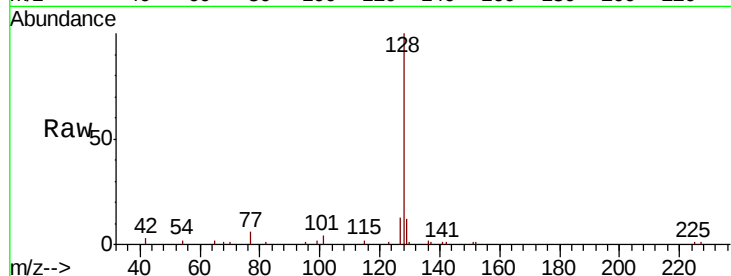
Tot Ion:128 Resp: 9434

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.0

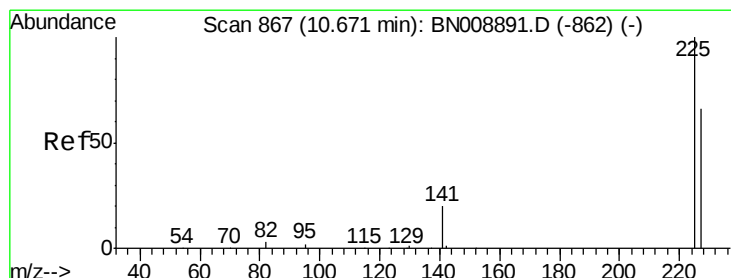
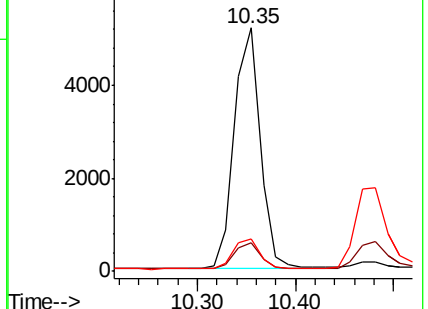
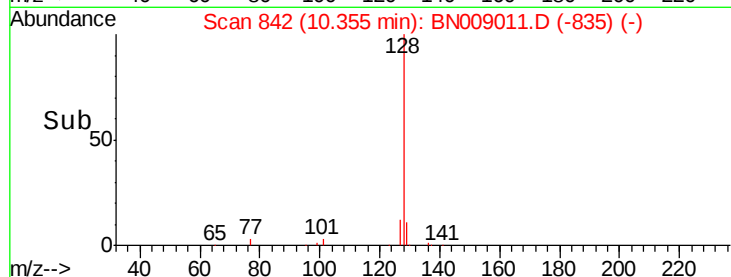
127 13.3 10.8 16.2



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: 0.326 ng

RT: 10.65 min Scan# 865

Delta R.T. -0.03 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

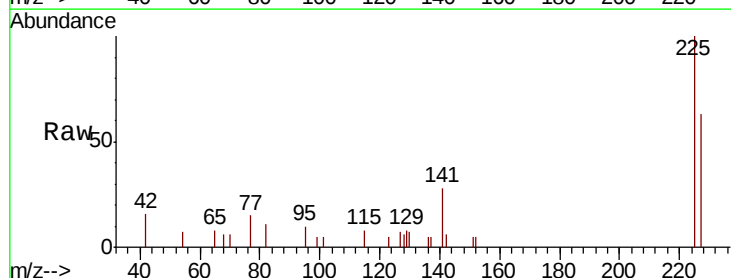
Tgt Ion:225 Resp: 1643

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

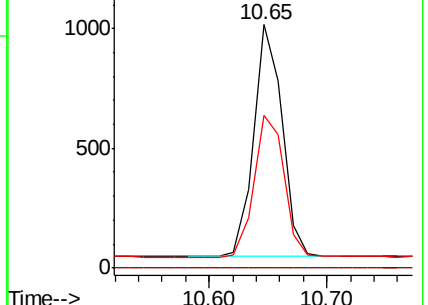
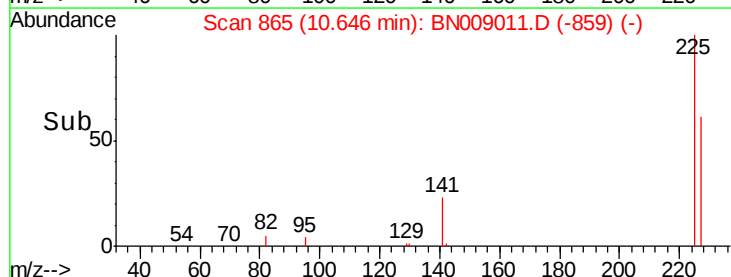
227 63.8 51.4 77.2

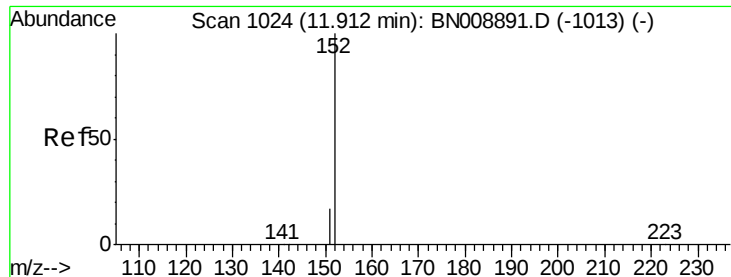


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 11.90 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

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ClientSampleId :

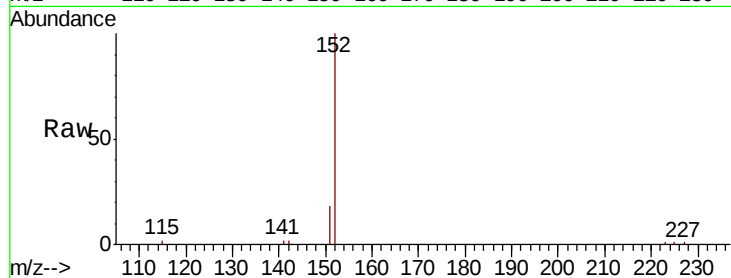
PB125417BSD

Tot Ion:152 Resp: 6435

Ion Ratio Lower Upper

152 100

151 18.3 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

4000

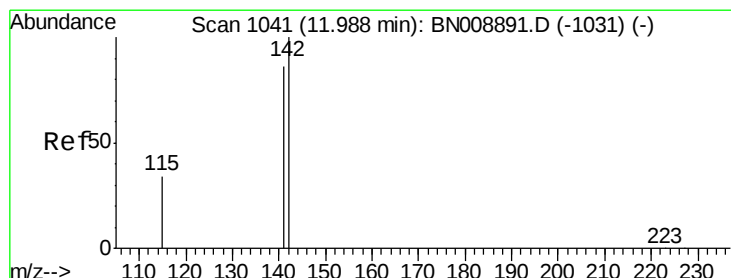
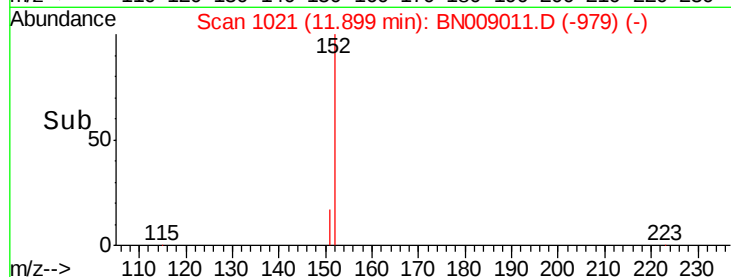
3000

2000

1000

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

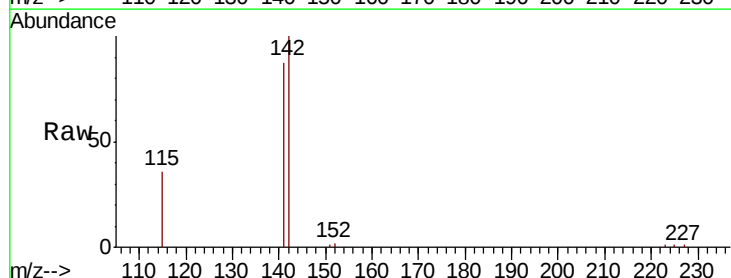
Tgt Ion:142 Resp: 7232

Ion Ratio Lower Upper

142 100

141 86.9 69.3 103.9

115 36.4 27.9 41.9



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

6000

5000

4000

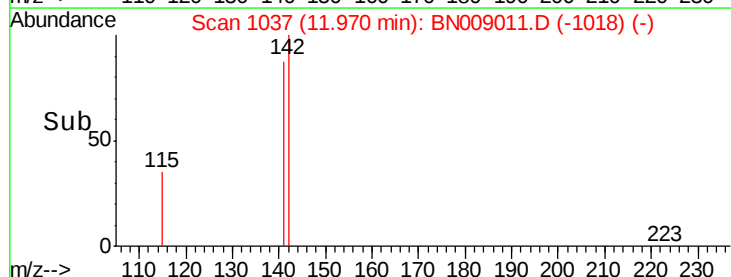
3000

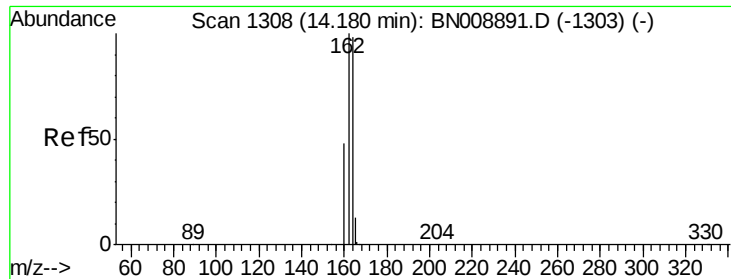
2000

1000

0

Time--> 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

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PB125417BSD

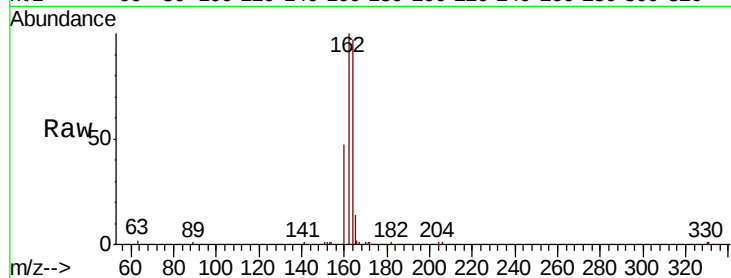
Tot Ion:164 Resp: 7280

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

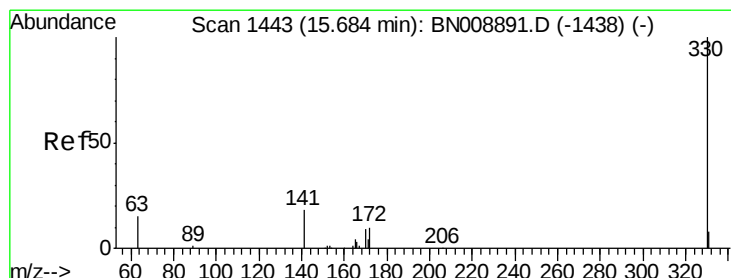
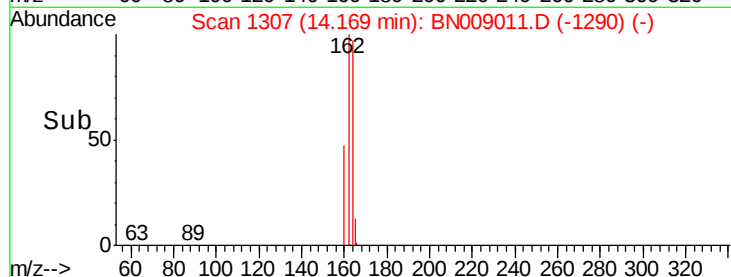
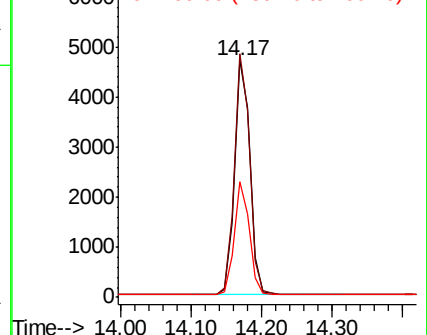
160 48.6 39.3 58.9



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: 0.388 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

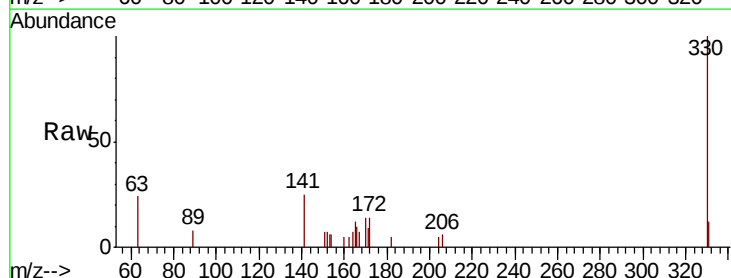
Tgt Ion:330 Resp: 1355

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

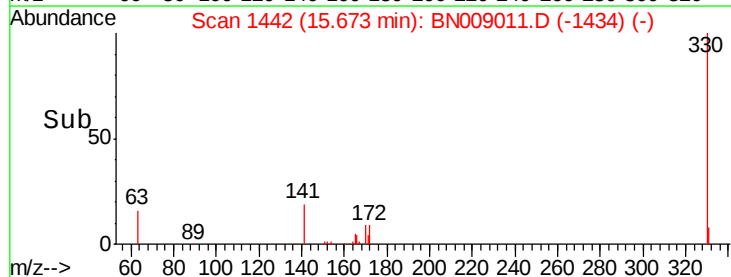
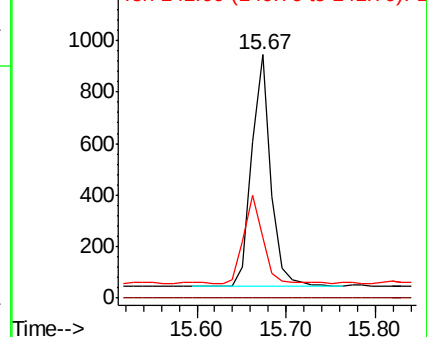
141 36.6 29.6 44.4



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

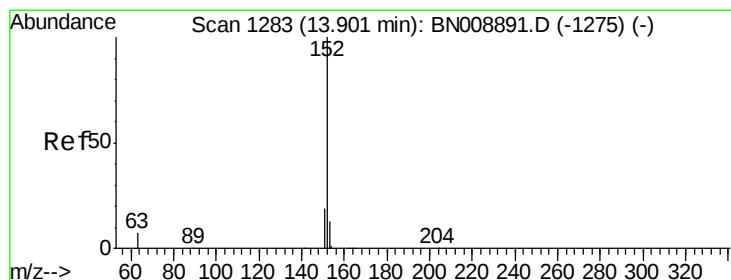
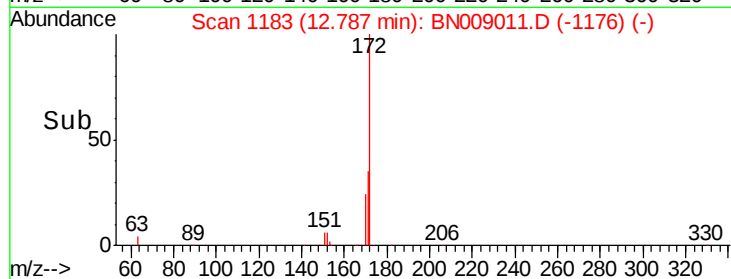
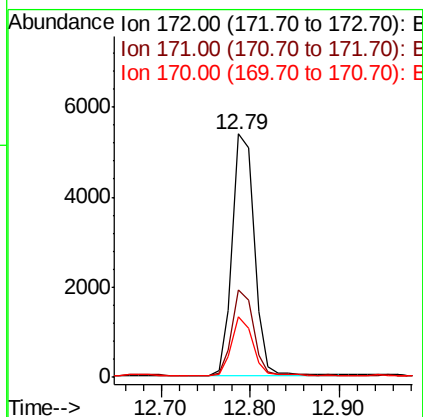
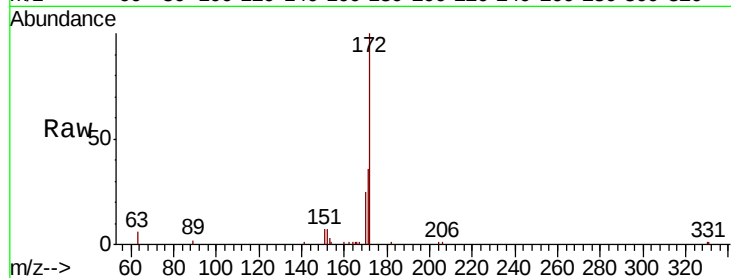




#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

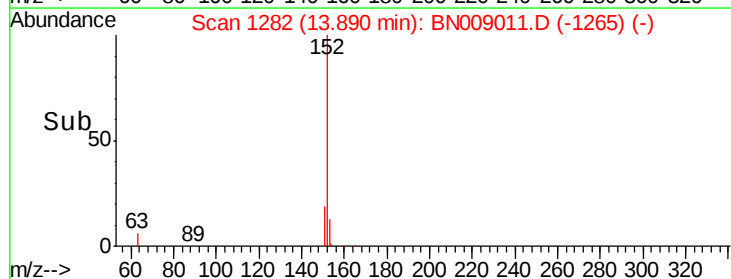
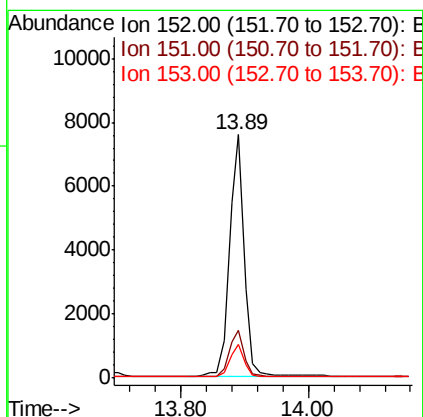
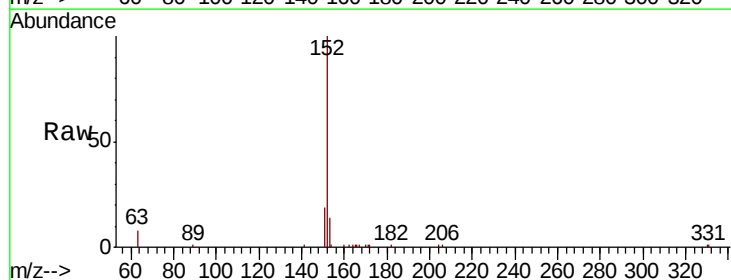
Instrument :
BNA_N
ClientSampleId :
PB125417BSD

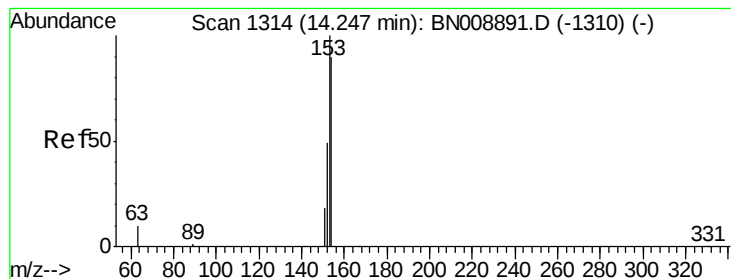
Tot Ion:172 Resp: 9192
Ion Ratio Lower Upper
172 100
171 35.8 27.1 40.7
170 25.0 17.7 26.5



#16
Acenaphthylene
Concen: 0.361 ng
RT: 13.89 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:152 Resp: 12007
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 0.353 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

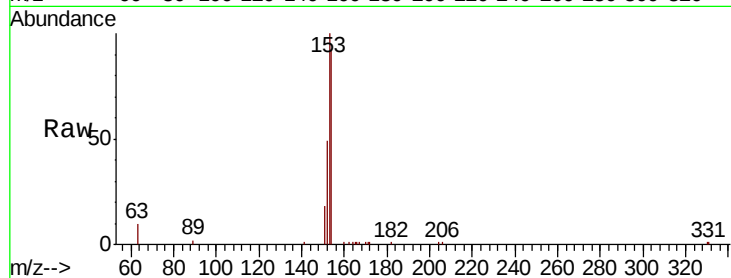
Tot Ion:154 Resp: 7801

Ion Ratio Lower Upper

154 100

153 111.5 89.2 133.8

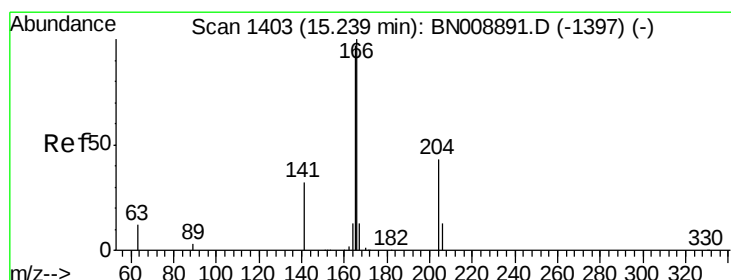
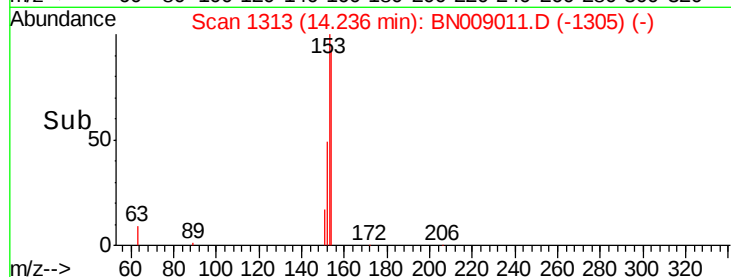
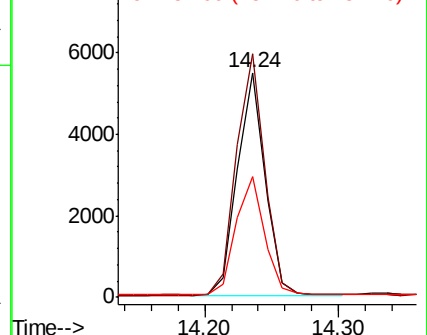
152 55.4 44.2 66.4



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: 0.382 ng

RT: 15.23 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

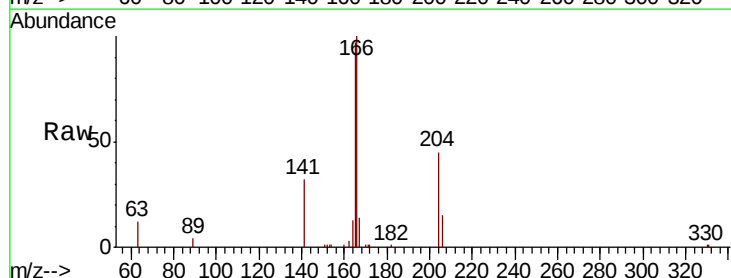
Tgt Ion:166 Resp: 11365

Ion Ratio Lower Upper

166 100

165 96.8 77.3 115.9

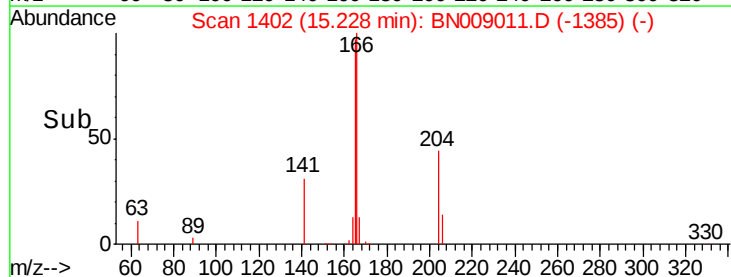
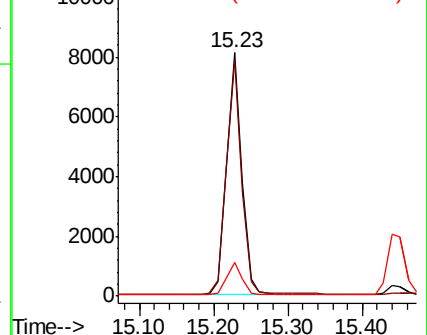
167 13.3 10.8 16.2

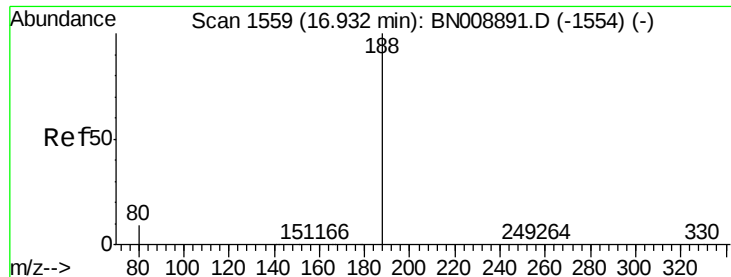


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

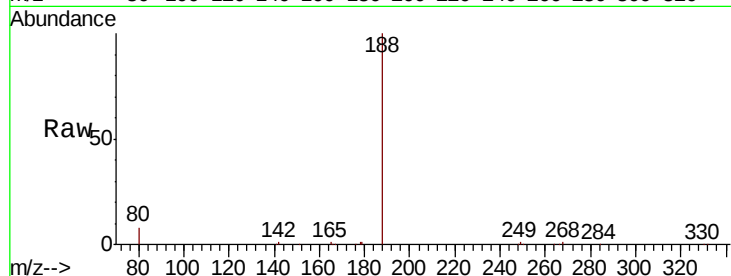
Tot Ion:188 Resp: 19109

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

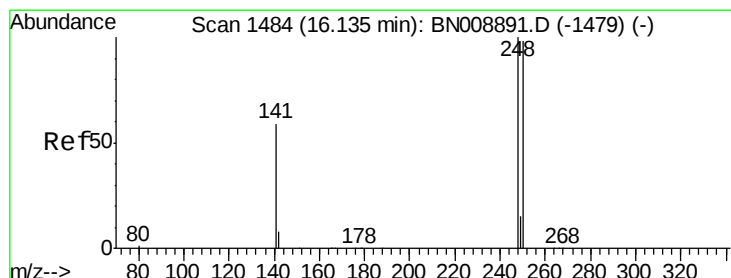
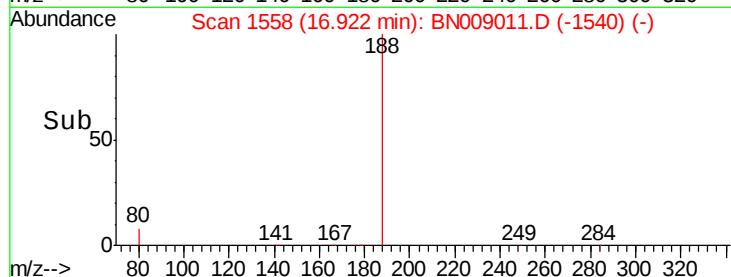
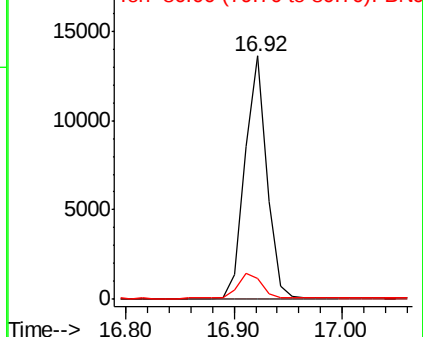
80 8.5 7.3 10.9



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: 0.327 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

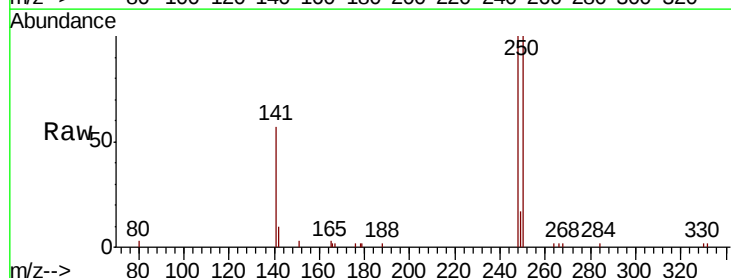
Tgt Ion:248 Resp: 3736

Ion Ratio Lower Upper

248 100

250 100.1 78.7 118.1

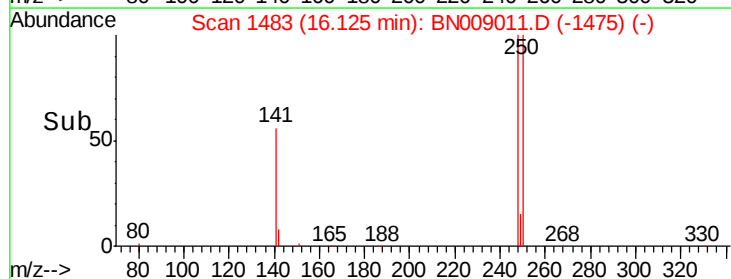
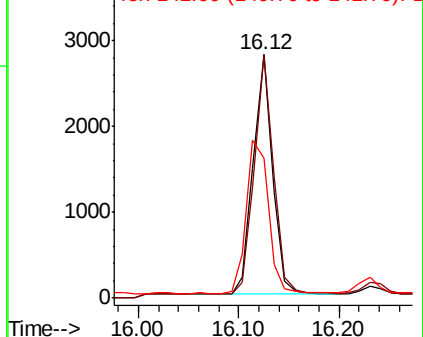
141 57.4 47.9 71.9

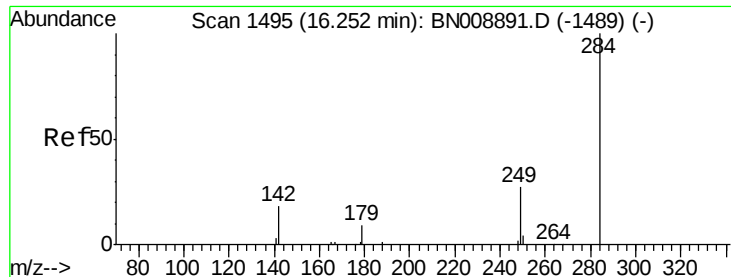


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.323 ng

RT: 16.24 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

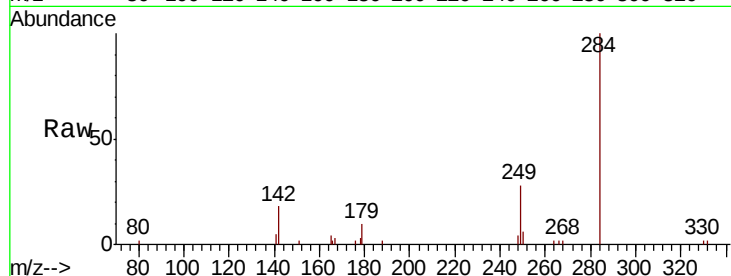
Tot Ion:284 Resp: 4202

Ion Ratio Lower Upper

284 100

142 35.0 27.8 41.6

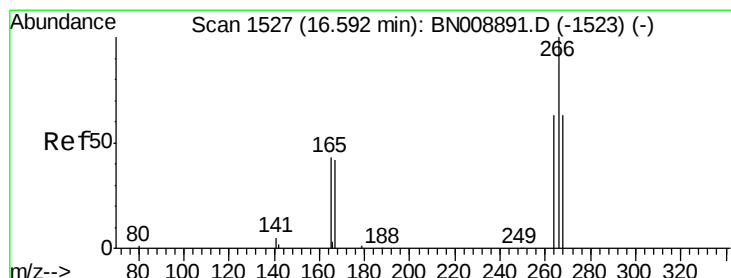
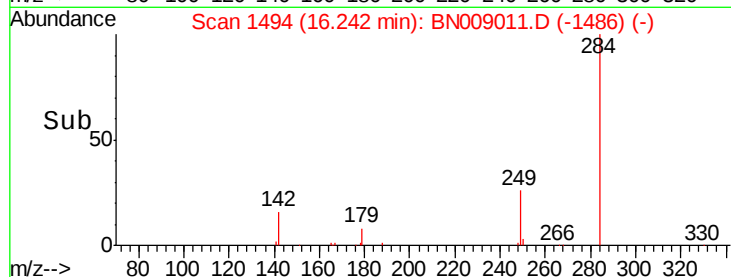
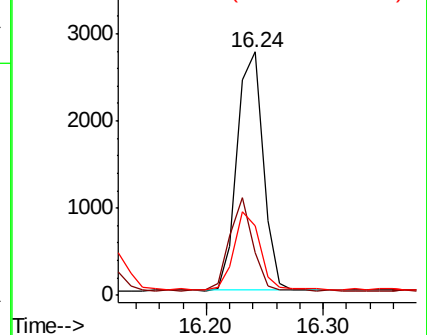
249 31.9 25.3 37.9



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: 0.637 ng

RT: 16.58 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

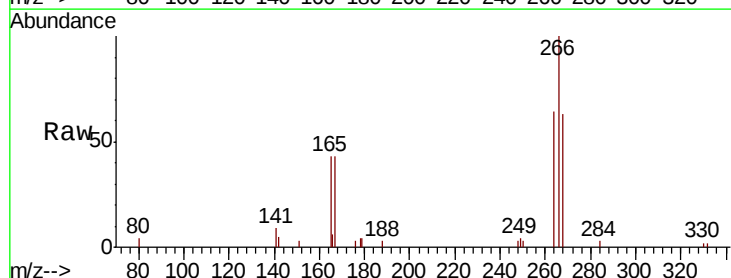
Tgt Ion:266 Resp: 2991

Ion Ratio Lower Upper

266 100

264 63.5 51.5 77.3

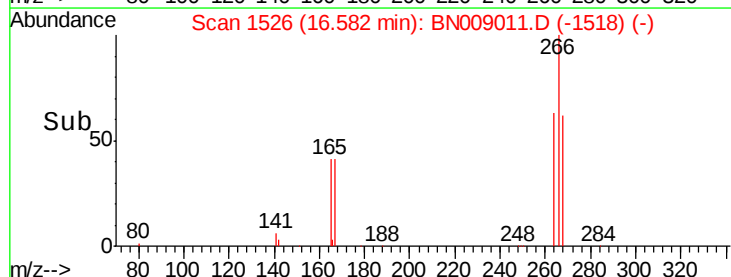
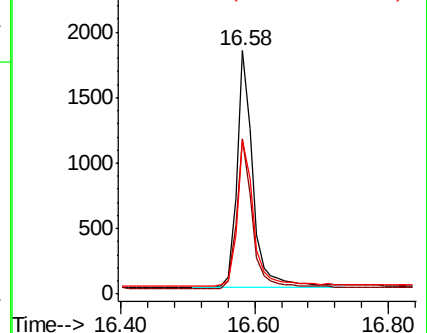
268 63.2 53.1 79.7

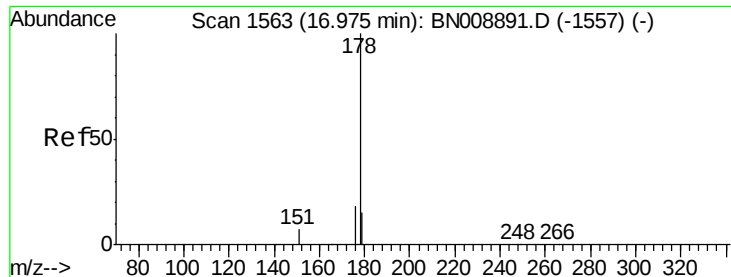


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.345 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

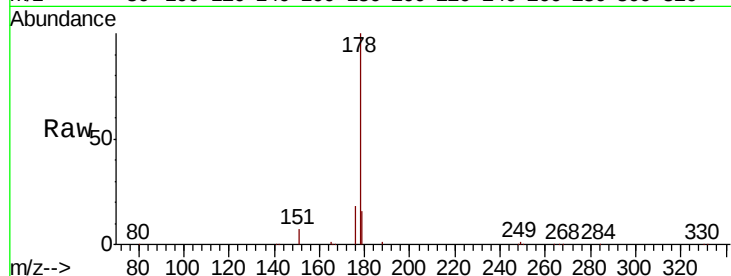
Tot Ion:178 Resp: 20735

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

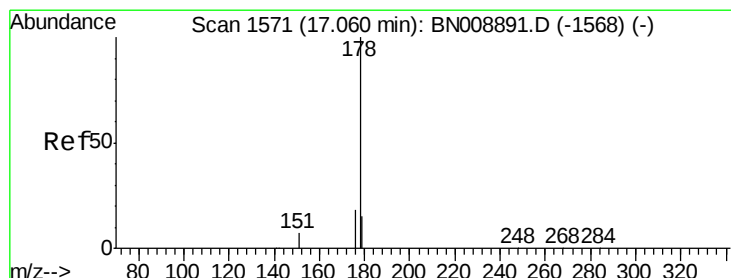
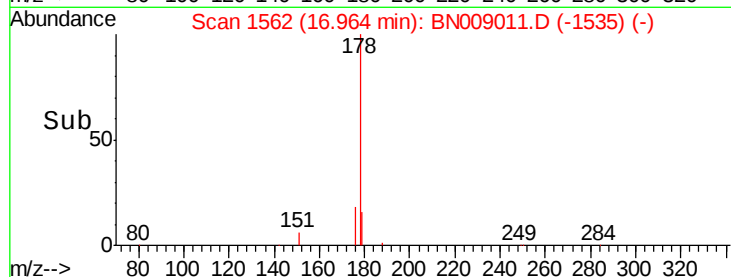
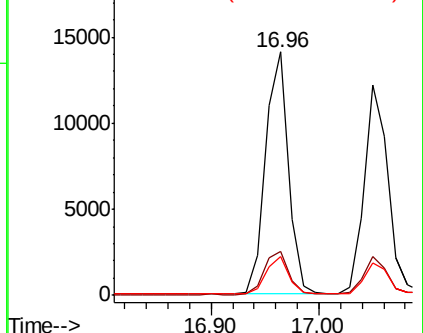
179 15.3 12.3 18.5



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: 0.353 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

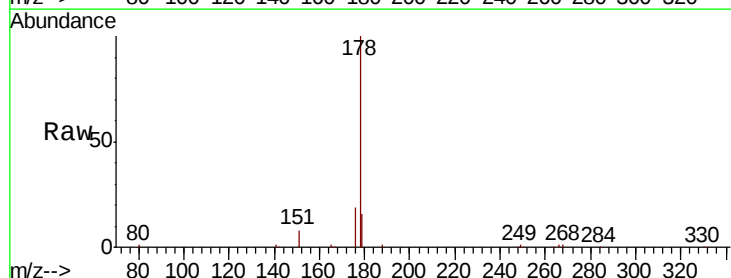
Tgt Ion:178 Resp: 18716

Ion Ratio Lower Upper

178 100

176 17.9 14.4 21.6

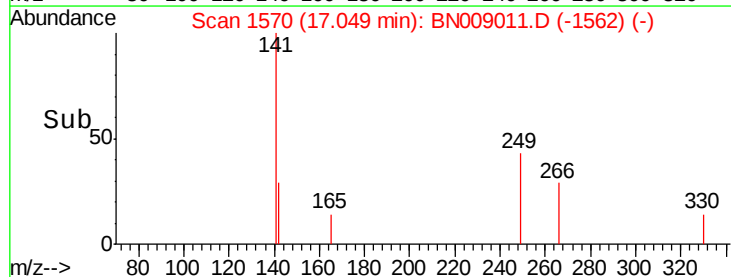
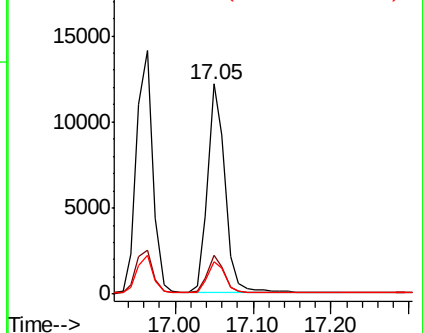
179 15.2 12.1 18.1

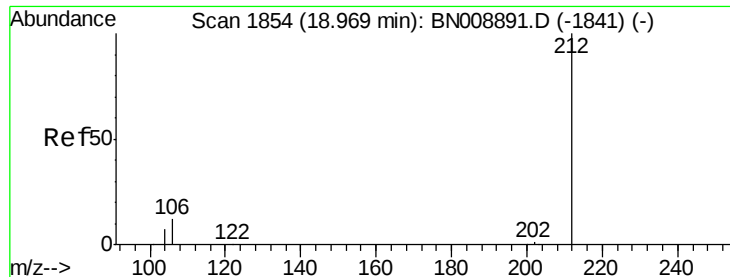


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

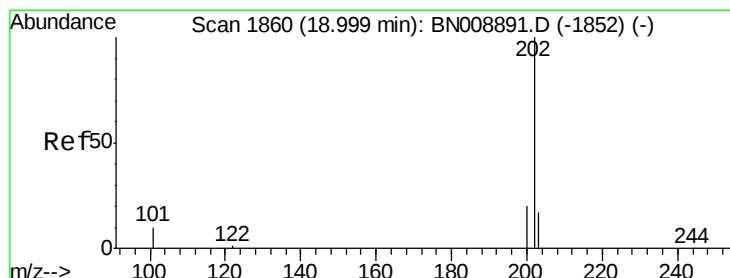
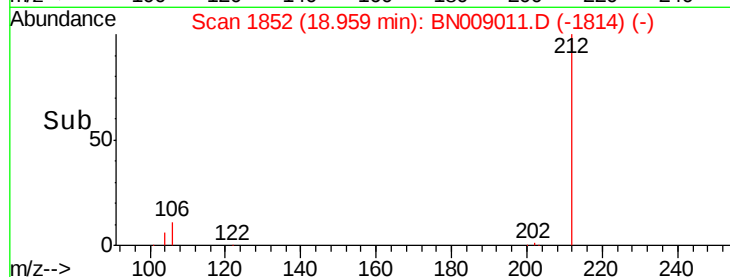
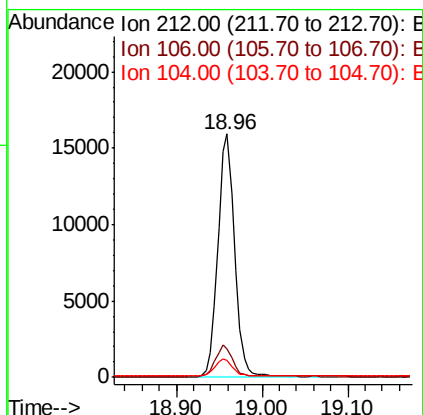
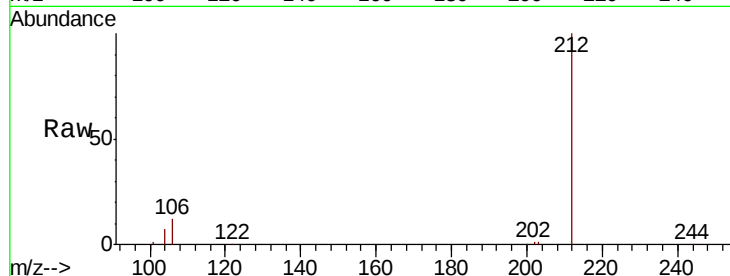




#25
 Fluoranthene-d10
 Concen: 0.371 ng
 RT: 18.96 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BN009011.D
 Acq: 17 Dec 2019 11:53

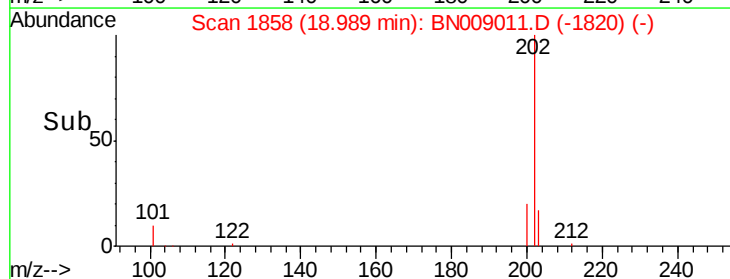
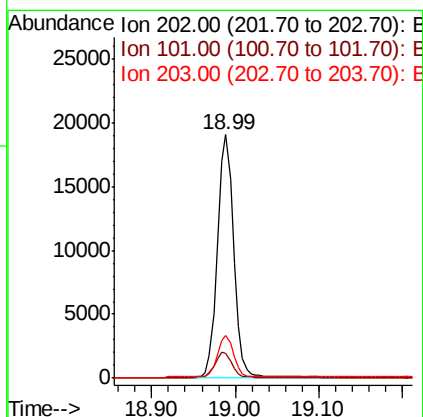
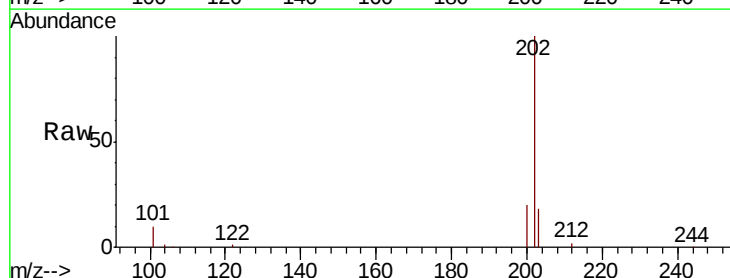
Instrument :
 BNA_N
 ClientSampleId :
 PB125417BSD

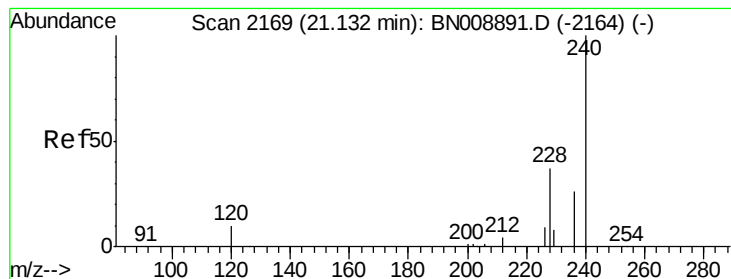
Tot Ion:212 Resp: 21442
 Ion Ratio Lower Upper
 212 100
 106 12.7 10.4 15.6
 104 7.1 5.9 8.9



#26
 Fluoranthene
 Concen: 0.356 ng
 RT: 18.99 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BN009011.D
 Acq: 17 Dec 2019 11:53

Tgt Ion:202 Resp: 25488
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.8 13.2
 203 17.1 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

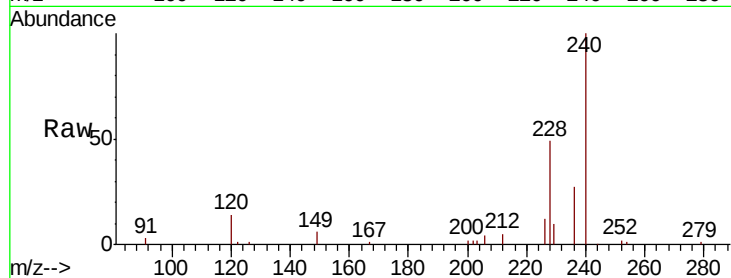
Tot Ion:240 Resp: 18167

Ion Ratio Lower Upper

240 100

120 14.2 9.1 13.7#

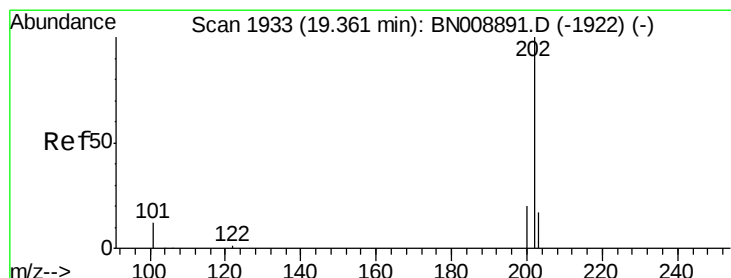
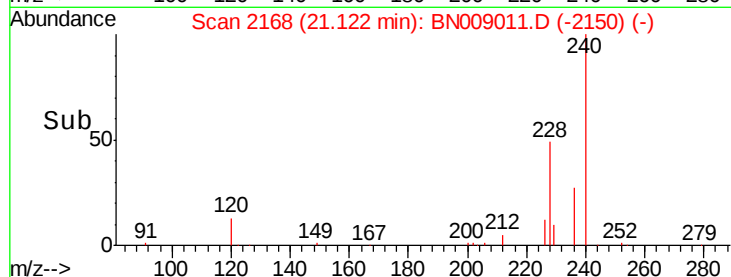
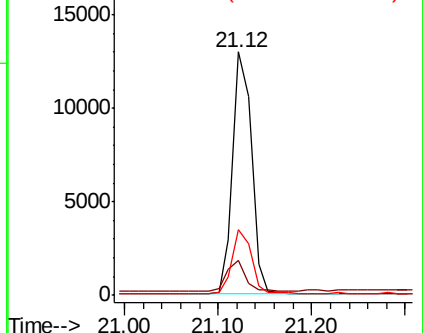
236 27.2 21.5 32.3



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: 0.405 ng

RT: 19.35 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

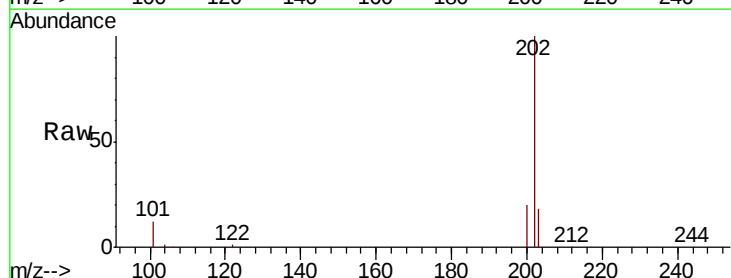
Tgt Ion:202 Resp: 25779

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

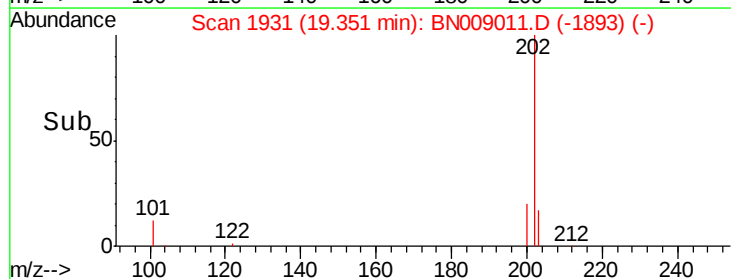
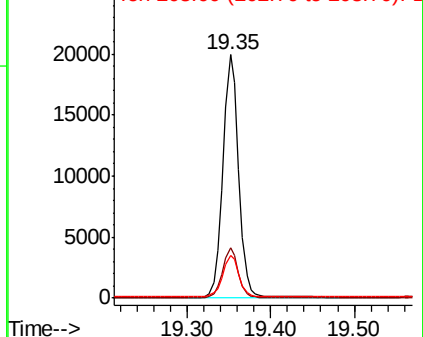
203 17.9 13.9 20.9

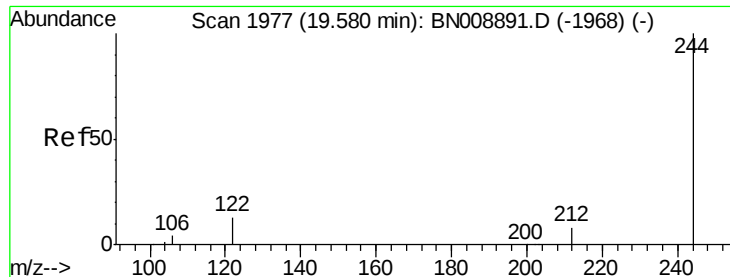


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.384 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

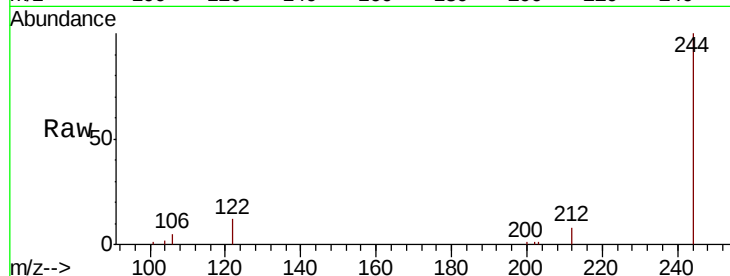
Tot Ion:244 Resp: 15905

Ion Ratio Lower Upper

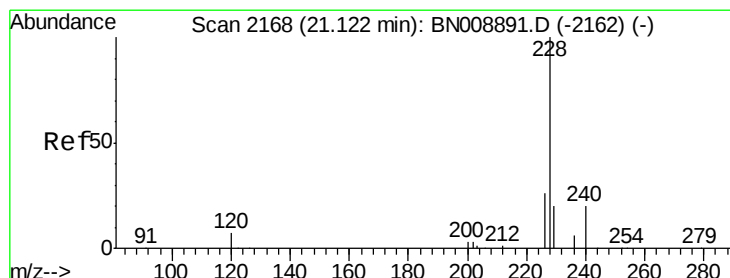
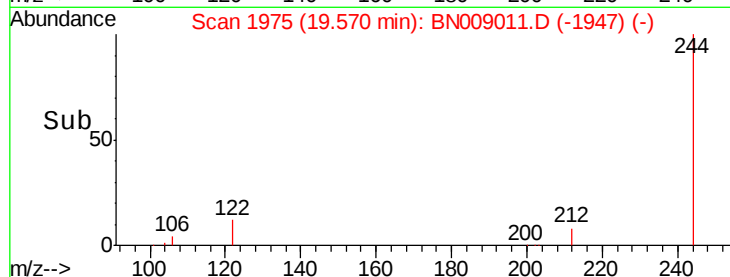
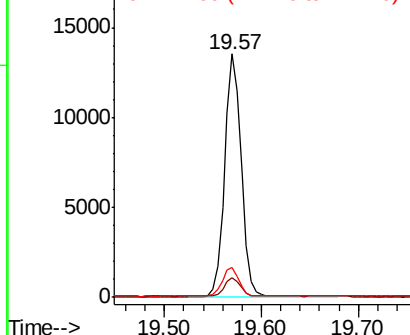
244 100

212 8.2 6.5 9.7

122 12.2 10.4 15.6



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



#30

Benzo(a)anthracene

Concen: 0.371 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

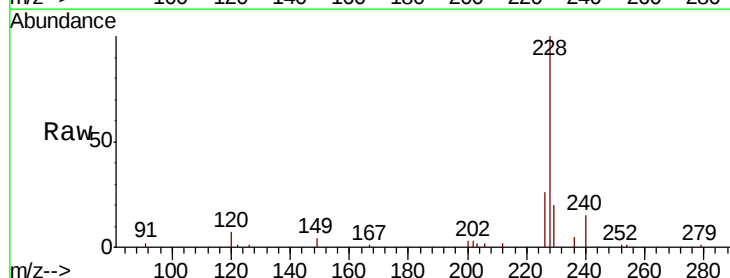
Tgt Ion:228 Resp: 23868

Ion Ratio Lower Upper

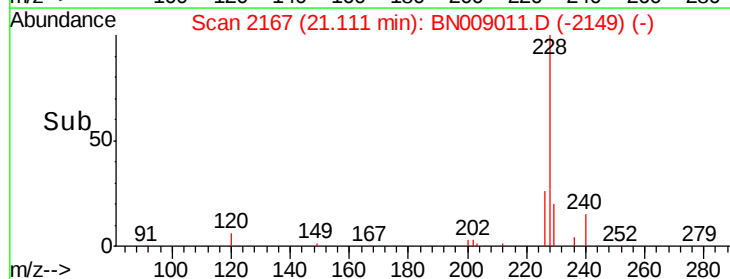
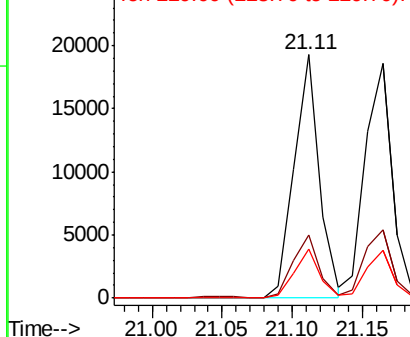
228 100

226 26.1 20.6 30.8

229 20.1 15.9 23.9



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: 0.372 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

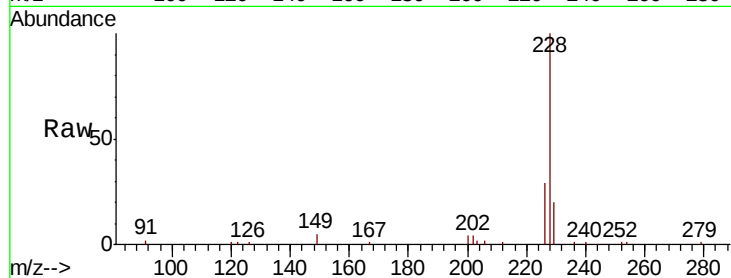
Tot Ion:228 Resp: 24821

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

229 20.2 15.9 23.9

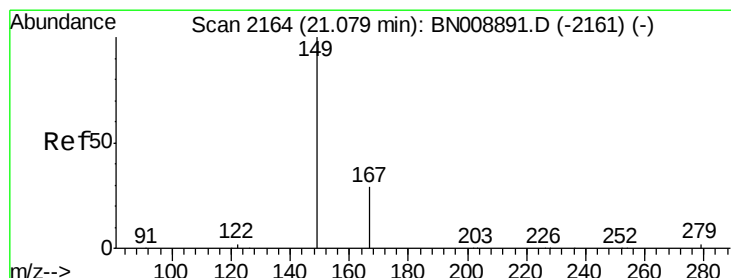
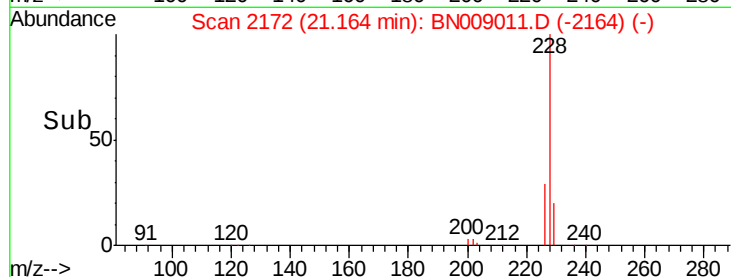
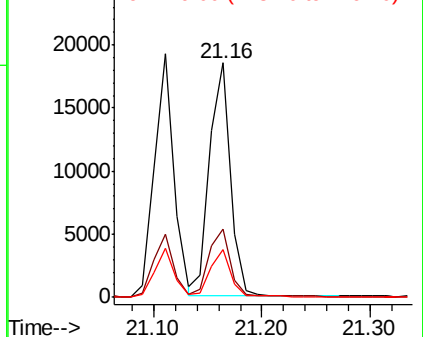


Abundance

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: 0.372 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

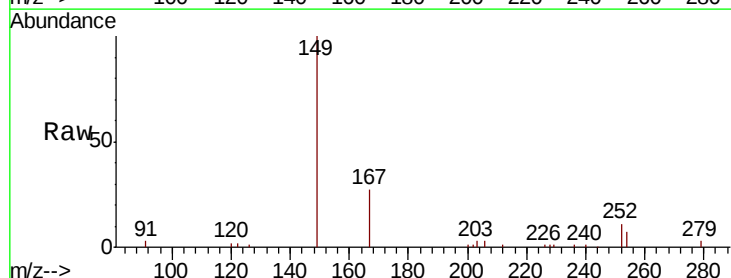
Tgt Ion:149 Resp: 11206

Ion Ratio Lower Upper

149 100

167 28.2 22.7 34.1

279 4.0 3.3 4.9

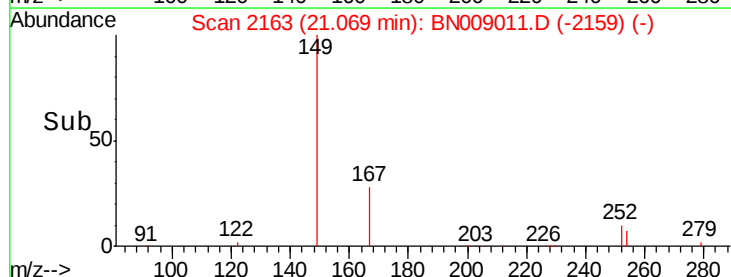
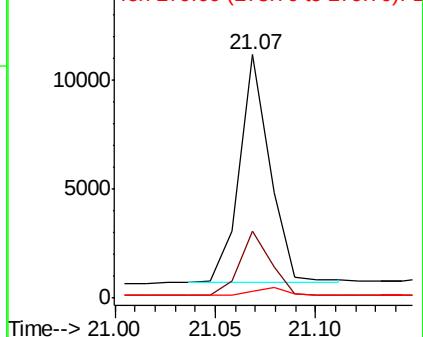


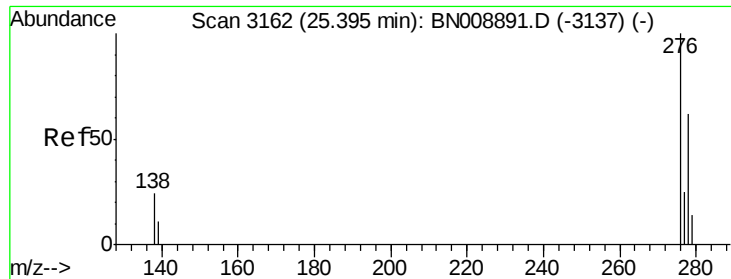
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.291 ng

RT: 25.38 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

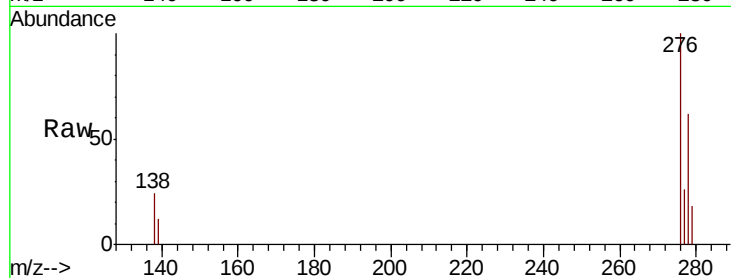
Tot Ion:276 Resp: 20536

Ion Ratio Lower Upper

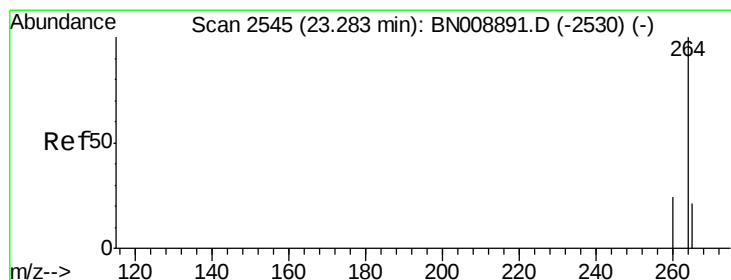
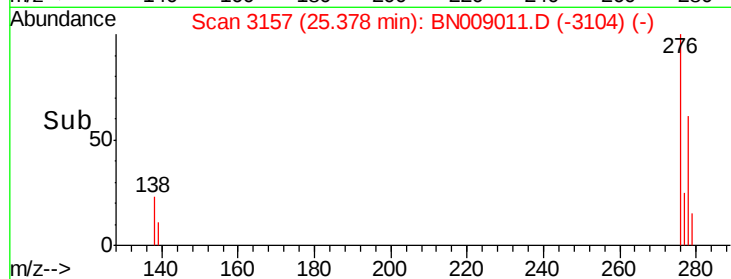
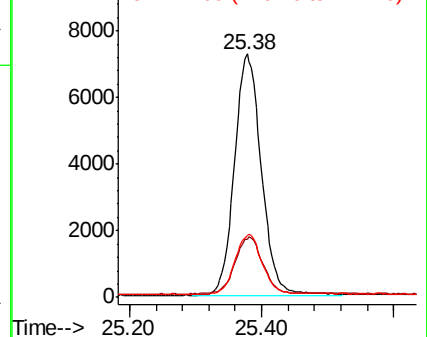
276 100

138 24.5 19.9 29.9

277 25.1 19.8 29.8



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: 23.27 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

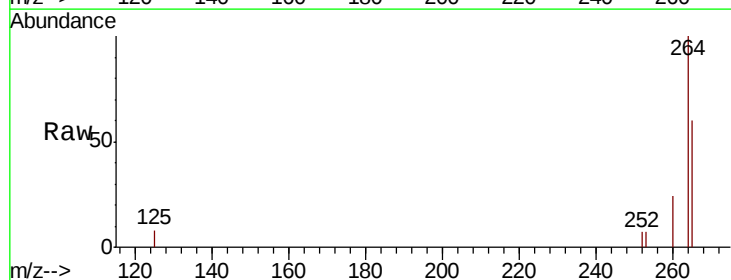
Tgt Ion:264 Resp: 15849

Ion Ratio Lower Upper

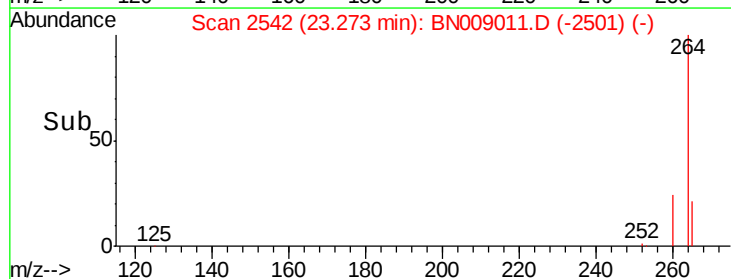
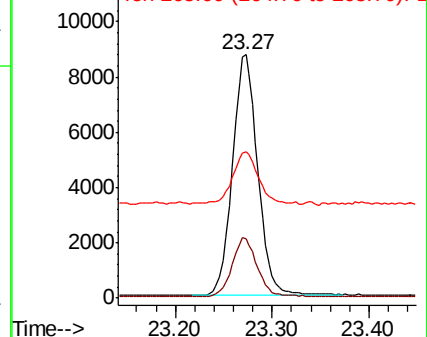
264 100

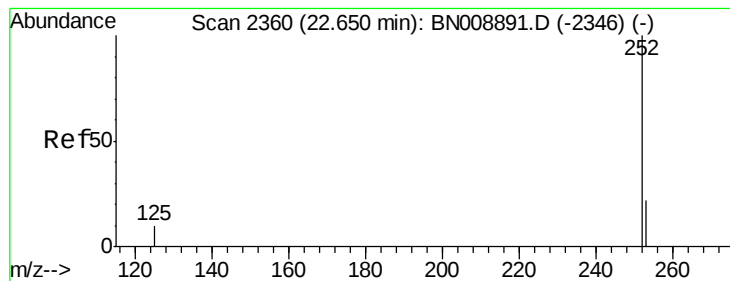
260 24.3 19.4 29.0

265 60.1 47.5 71.3



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: 0.394 ng

RT: 22.64 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

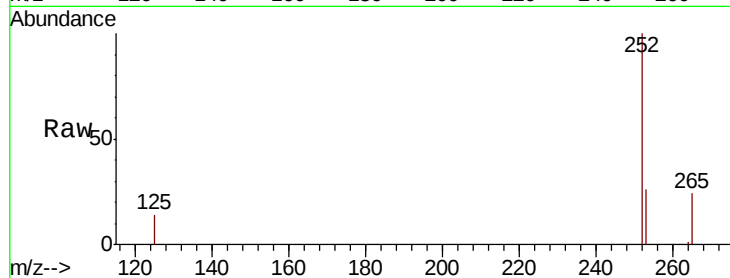
Tot Ion:252 Resp: 22350

Ion Ratio Lower Upper

252 100

253 25.5 19.8 29.6

125 13.8 10.8 16.2

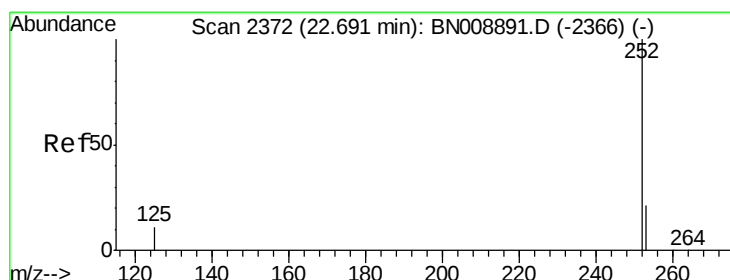
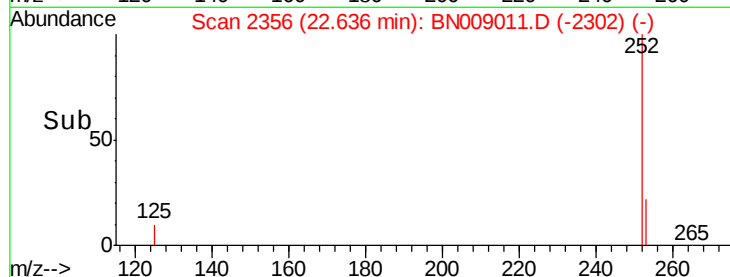
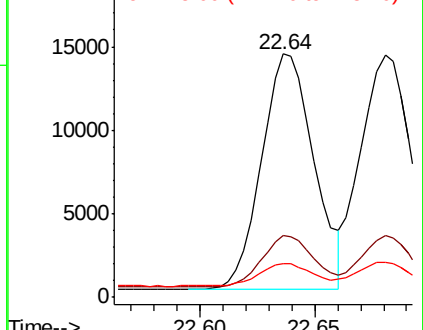


Abundance

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: 0.384 ng

RT: 22.68 min Scan# 2369

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

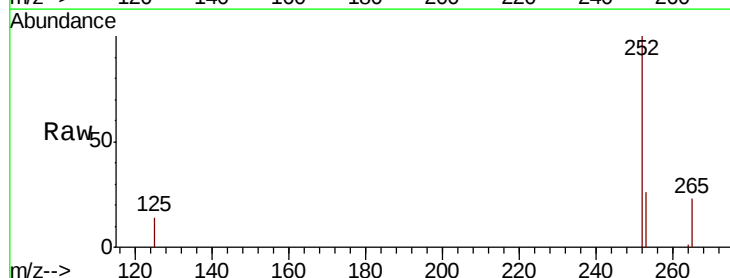
Tgt Ion:252 Resp: 21912

Ion Ratio Lower Upper

252 100

253 25.6 19.2 28.8

125 14.5 11.6 17.4

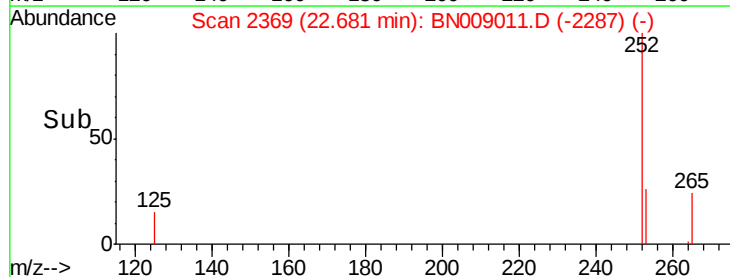
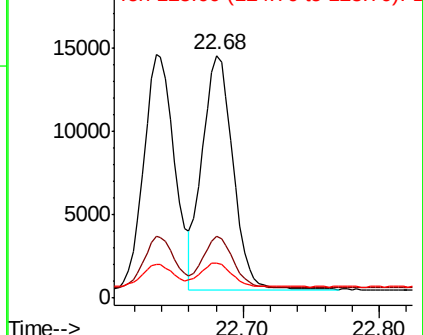


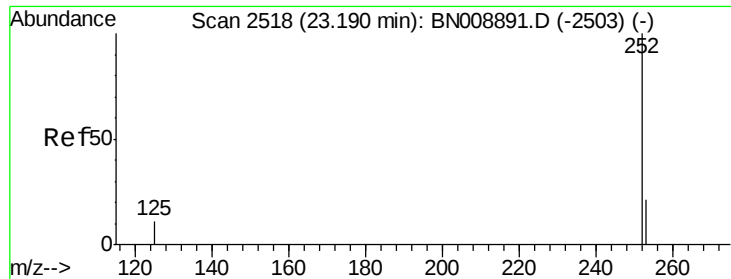
Abundance

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





#37

Benzo(a)pyrene

Concen: 0.381 ng

RT: 23.18 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD

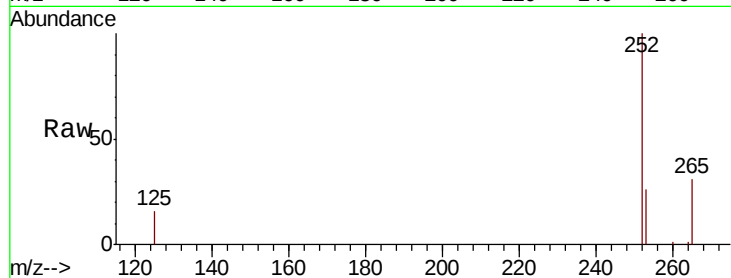
Tot Ion:252 Resp: 19422

Ion Ratio Lower Upper

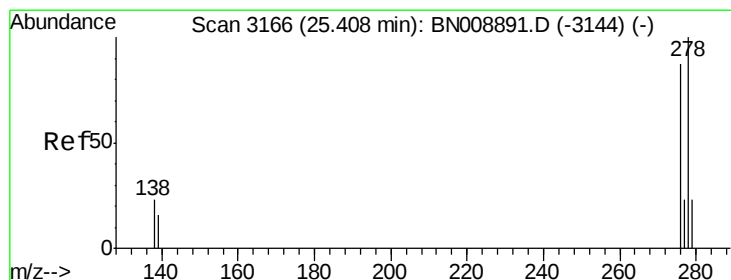
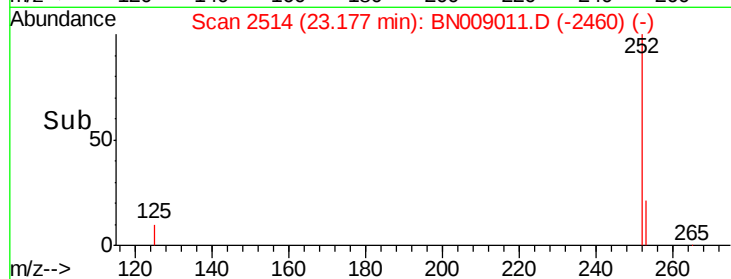
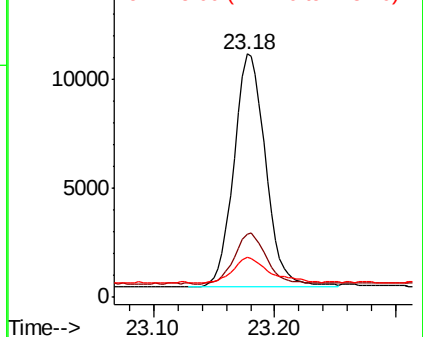
252 100

253 26.1 19.9 29.9

125 16.3 12.3 18.5



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: 0.354 ng

RT: 25.39 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BN009011.D

Acq: 17 Dec 2019 11:53

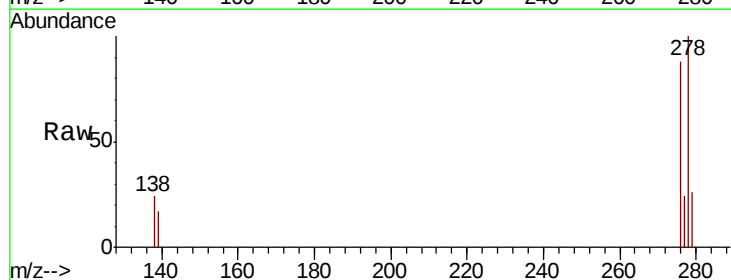
Tgt Ion:278 Resp: 16941

Ion Ratio Lower Upper

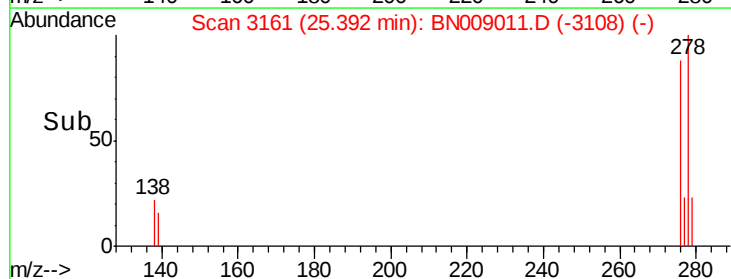
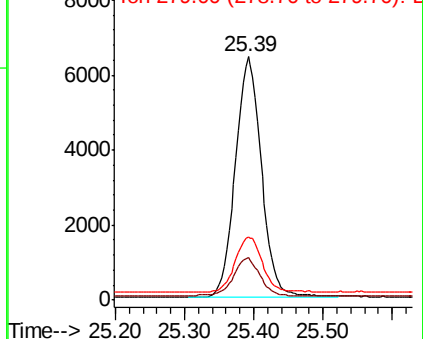
278 100

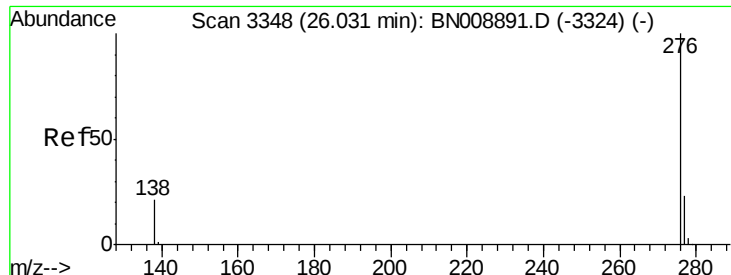
139 17.3 13.9 20.9

279 26.1 20.2 30.4



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: 0.370 ng

RT: 26.01 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BN009011.D

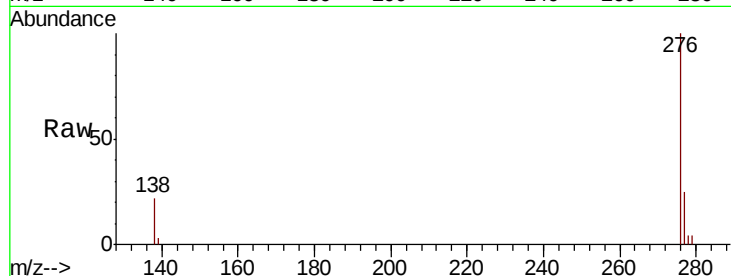
Acq: 17 Dec 2019 11:53

Instrument :

BNA_N

ClientSampleId :

PB125417BSD



Tot Ion: 276 Resp: 17459

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 22.2 17.8 26.6

Abundance Ion 276.00 (275.70 to 276.70): E
8000 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

