

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011520\
 Data File : BN009381.D
 Acq On : 15 Jan 2020 16:51
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jan 15 17:31:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 09:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1462	0.40	ng	0.00
7) Naphthalene-d8	10.23	136	5066	0.40	ng	0.00
13) Acenaphthene-d10	14.10	164	3233	0.40	ng	0.00
19) Phenanthrene-d10	16.86	188	7194	0.40	ng	0.00
27) Chrysene-d12	21.07	240	6290	0.40	ng	0.00
34) Perylene-d12	23.19	264	6372	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	1318	0.39	ng	0.00
5) Phenol-d6	6.67	99	1576	0.40	ng	0.00
8) Nitrobenzene-d5	8.62	82	1546	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	11.82	152	3934	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.62	330	442	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.72	172	4910	0.41	ng	0.00
25) Fluoranthene-d10	18.90	212	9430	0.38	ng	0.00
29) Terphenyl-d14	19.52	244	6005	0.40	ng	0.00

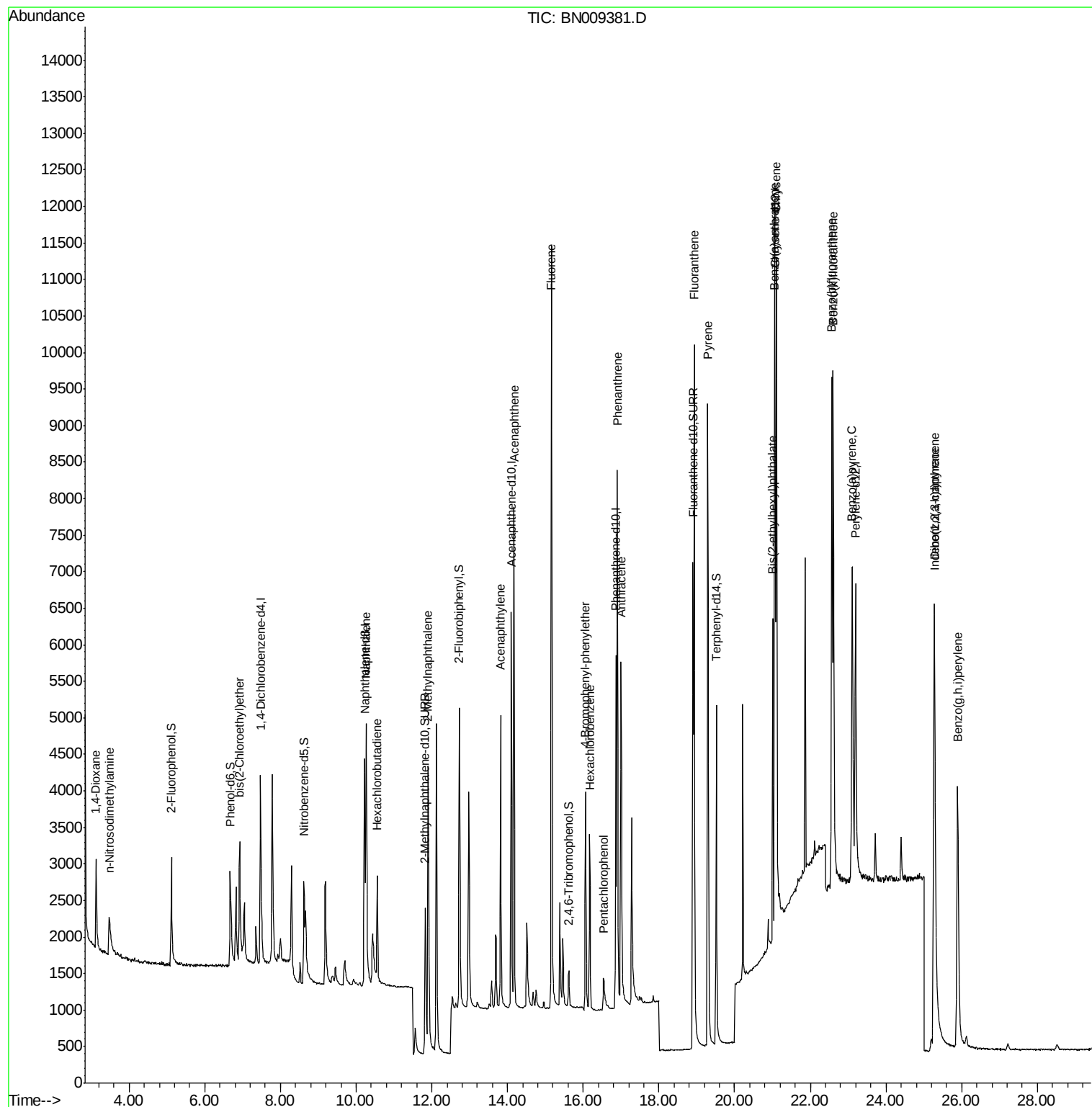
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	609	0.399	ng	99
3) n-Nitrosodimethylamine	3.47	42	866	0.368	ng	# 91
6) bis(2-Chloroethyl)ether	6.92	93	1503	0.375	ng	97
9) Naphthalene	10.27	128	5695	0.415	ng	99
10) Hexachlorobutadiene	10.56	225	1221	0.406	ng	# 99
12) 2-Methylnaphthalene	11.90	142	3899	0.408	ng	99
16) Acenaphthylene	13.82	152	5268	0.378	ng	99
17) Acenaphthene	14.17	154	3957	0.404	ng	99
18) Fluorene	15.16	166	5022	0.393	ng	100
20) 4-Bromophenyl-phenylether	16.06	248	1673	0.386	ng	91
21) Hexachlorobenzene	16.17	284	1767	0.383	ng	99
22) Pentachlorophenol	16.54	266	406	0.396	ng	96
23) Phenanthrene	16.90	178	8420	0.390	ng	100
24) Anthracene	17.00	178	6745	0.372	ng	100
26) Fluoranthene	18.93	202	9694	0.382	ng	100
28) Pyrene	19.29	202	9759	0.409	ng	100
30) Benzo(a)anthracene	21.06	228	7802	0.377	ng	98
31) Chrysene	21.10	228	9965	0.421	ng	99
32) Bis(2-ethylhexyl)phthalate	21.00	149	3637	0.398	ng	99
33) Indeno(1,2,3-cd)pyrene	25.27	276	9945	0.404	ng	98
35) Benzo(b)fluoranthene	22.56	252	9060	0.387	ng	99
36) Benzo(k)fluoranthene	22.61	252	10143	0.392	ng	99
37) Benzo(a)pyrene	23.10	252	8340	0.404	ng	97
38) Dibenzo(a,h)anthracene	25.29	278	7814	0.377	ng	99
39) Benzo(g,h,i)perylene	25.89	276	8761	0.384	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: 7.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

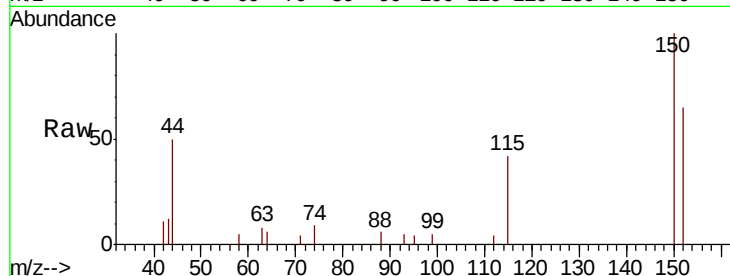
Tot Ion:152 Resp: 1462

Ion Ratio Lower Upper

152 100

150 154.9 125.7 188.5

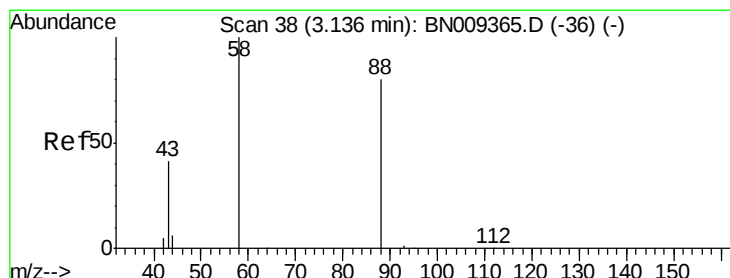
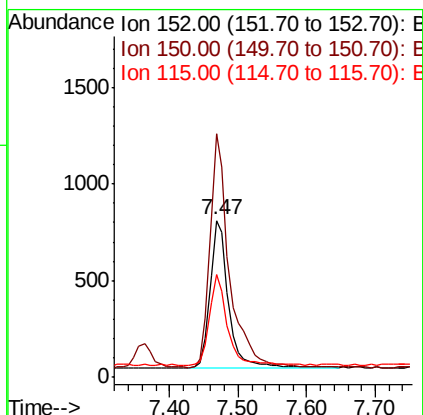
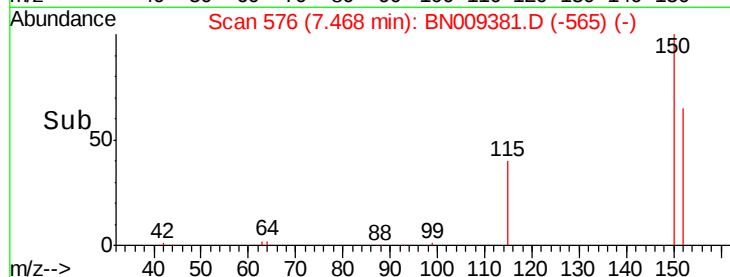
115 65.7 53.3 79.9



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: 0.399 ng

RT: 3.13 min Scan# 37

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

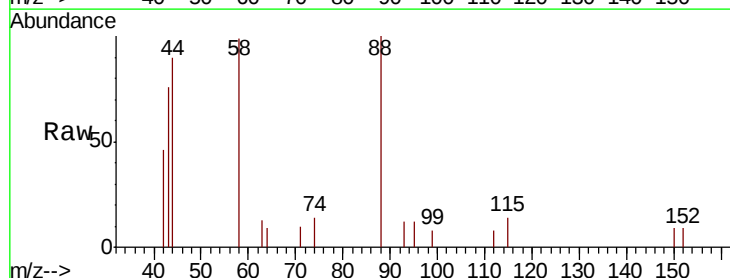
Tgt Ion: 88 Resp: 609

Ion Ratio Lower Upper

88 100

58 125.8 100.2 150.2

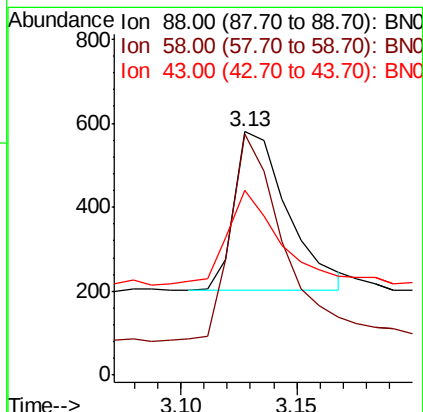
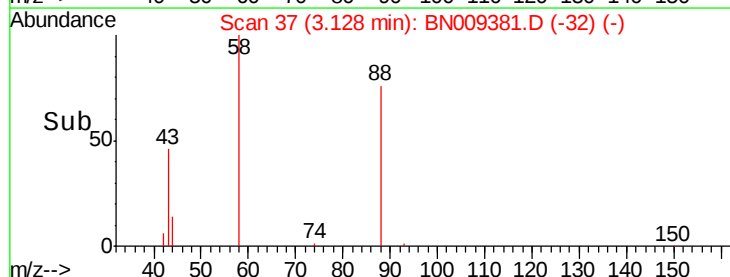
43 55.0 43.1 64.7

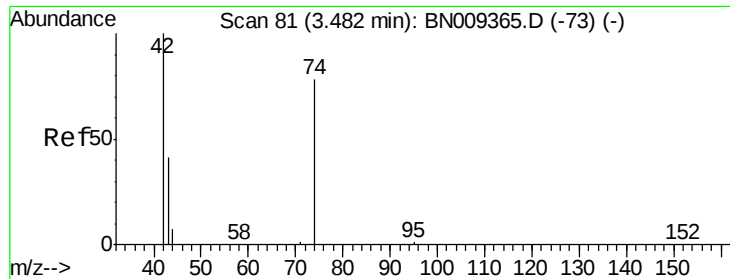


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.368 ng

RT: 3.47 min Scan# 80

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

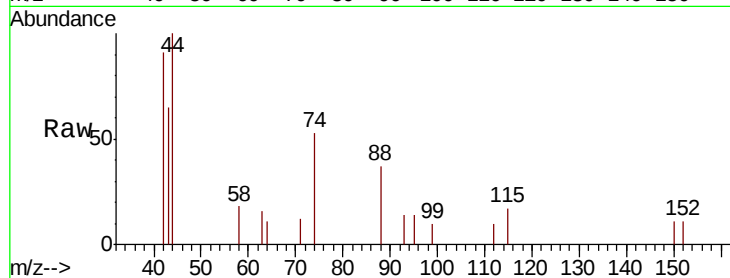
Tot Ion: 42 Resp: 866

Ion Ratio Lower Upper

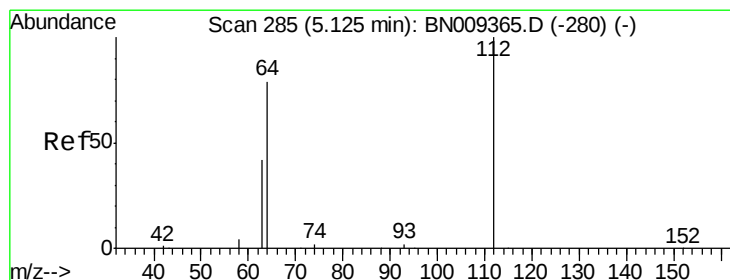
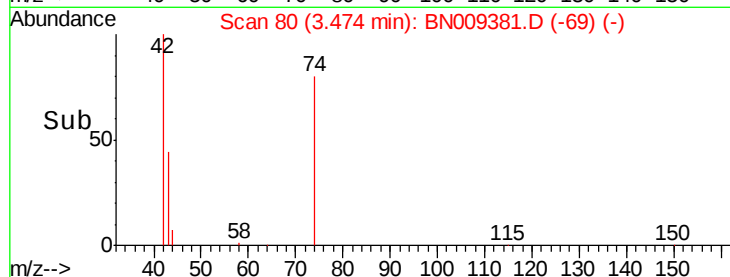
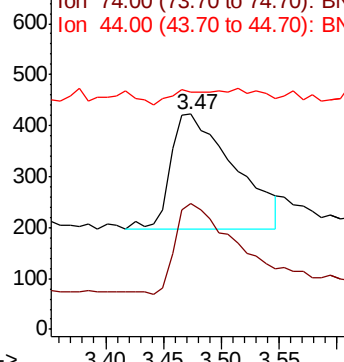
42 100

74 75.6 55.8 83.8

44 6.0 11.1 16.7#



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: 0.392 ng

RT: 5.12 min Scan# 284

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

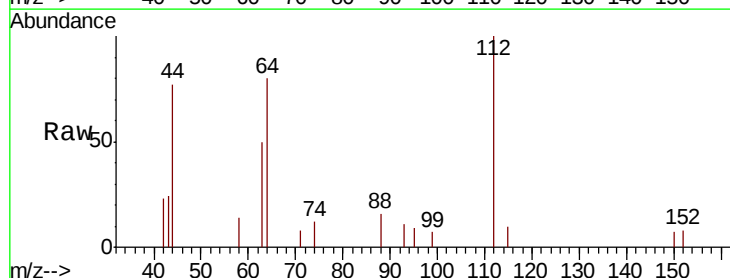
Tgt Ion: 112 Resp: 1318

Ion Ratio Lower Upper

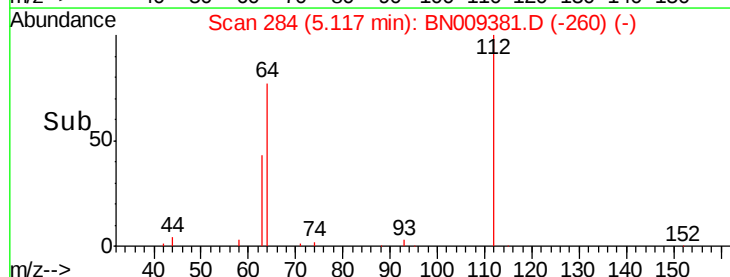
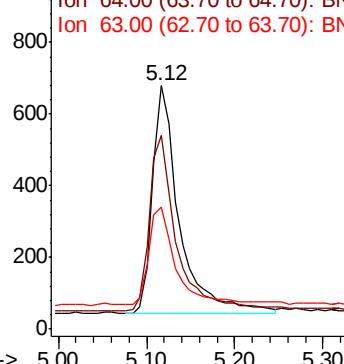
112 100

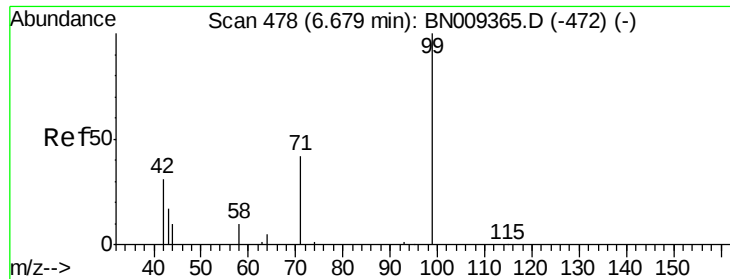
64 78.4 61.5 92.3

63 42.5 35.0 52.4



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





#5

Phenol-d6

Concen: 0.405 ng

RT: 6.67 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

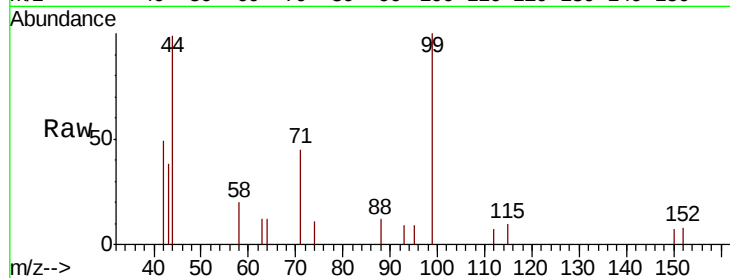
Tot Ion: 99 Resp: 1576

Ion Ratio Lower Upper

99 100

42 30.3 27.6 41.4

71 38.8 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009381.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN009381.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN009381.D (-466) (-)

6.67

800

600

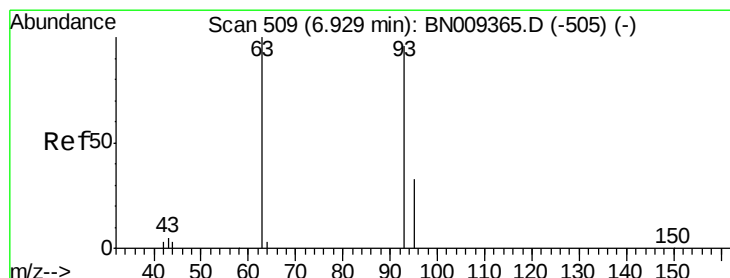
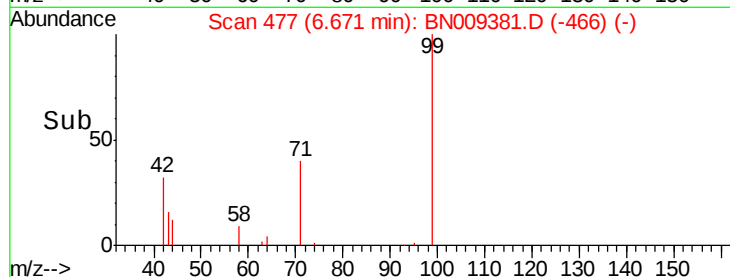
400

200

0

6.50 6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.375 ng

RT: 6.92 min Scan# 508

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

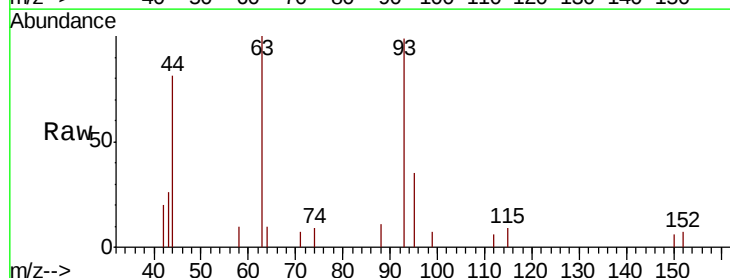
Tgt Ion: 93 Resp: 1503

Ion Ratio Lower Upper

93 100

63 104.3 85.1 127.7

95 34.9 30.2 45.4



Abundance Ion 93.00 (92.70 to 93.70): BN009381.D (-484) (-)

Ion 63.00 (62.70 to 63.70): BN009381.D (-484) (-)

Ion 95.00 (94.70 to 95.70): BN009381.D (-484) (-)

6.92

1200

1000

800

600

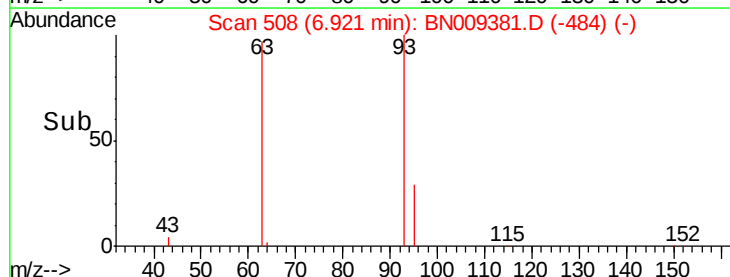
400

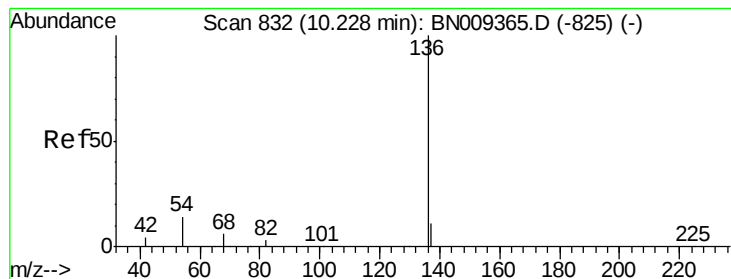
200

0

6.90 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 5066

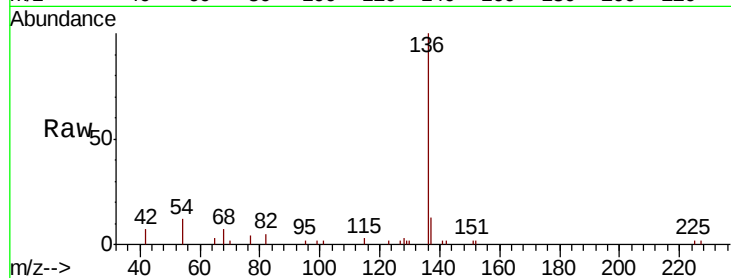
Ion Ratio Lower Upper

136 100

137 12.7 10.3 15.5

54 11.9 12.6 19.0#

68 6.7 6.5 9.7

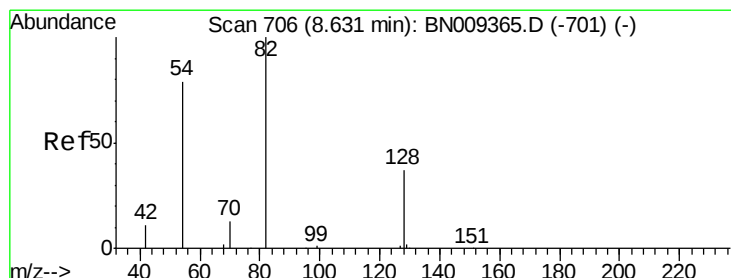
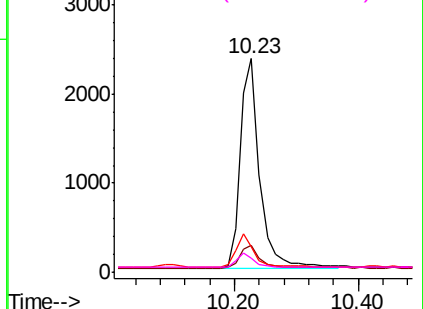
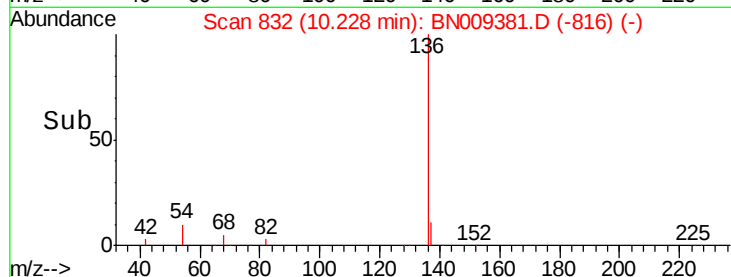


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

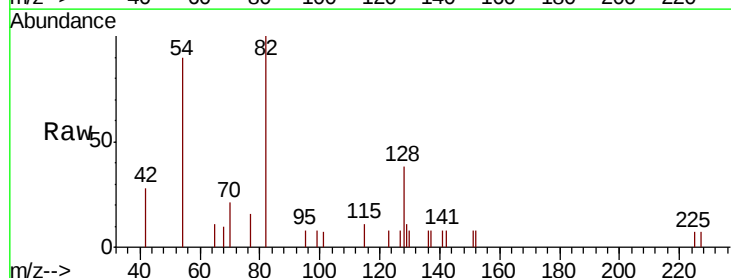
Tgt Ion: 82 Resp: 1546

Ion Ratio Lower Upper

82 100

128 37.8 34.8 52.2

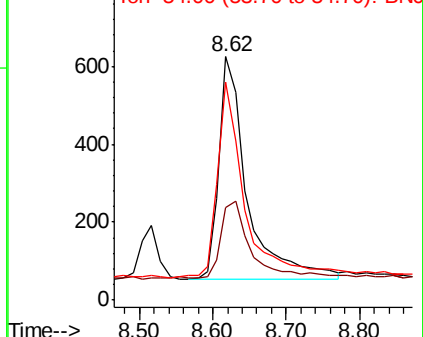
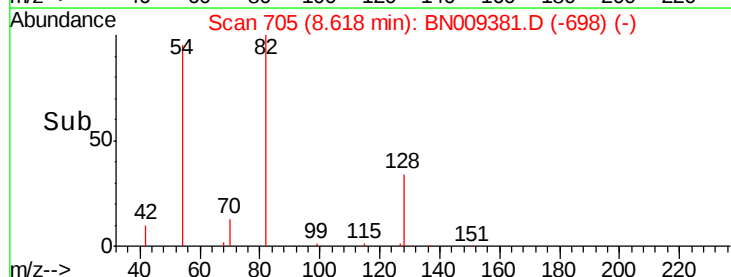
54 89.8 65.8 98.6

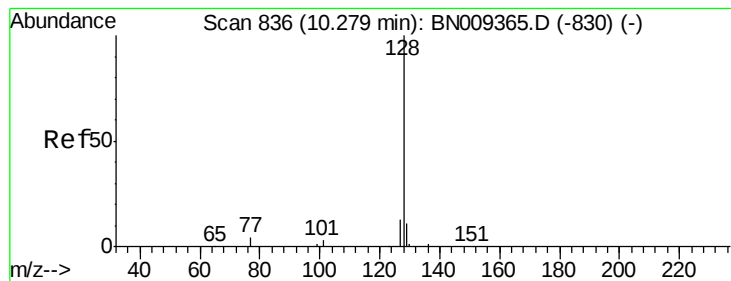


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.415 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

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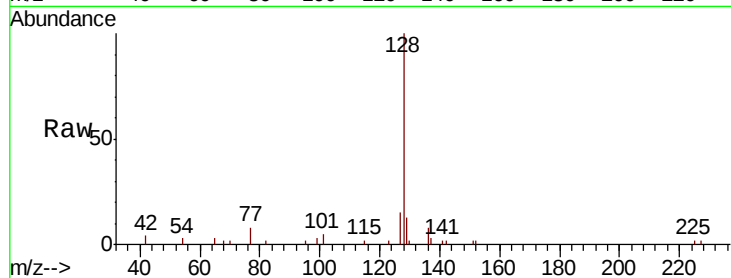
Tot Ion:128 Resp: 5695

Ion Ratio Lower Upper

128 100

129 12.5 10.4 15.6

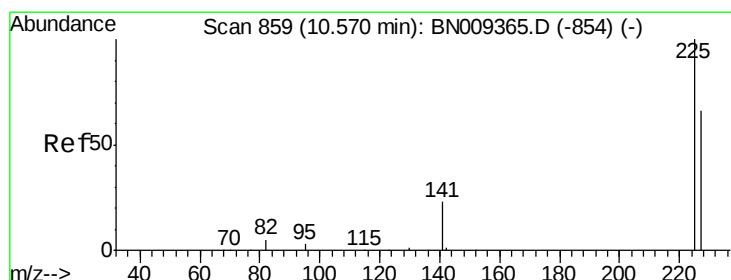
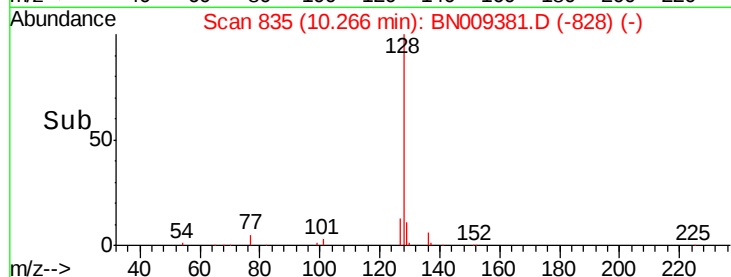
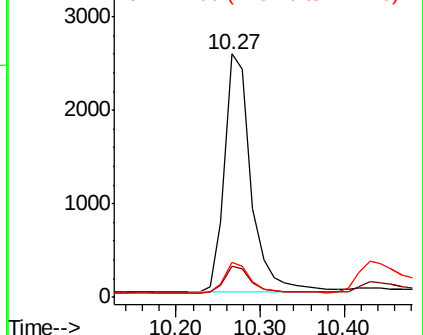
127 14.6 11.4 17.2



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: 0.406 ng

RT: 10.56 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

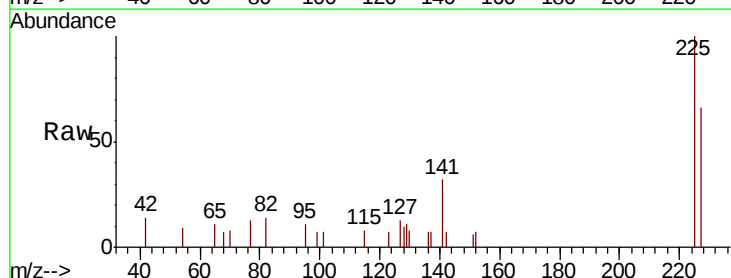
Tgt Ion:225 Resp: 1221

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

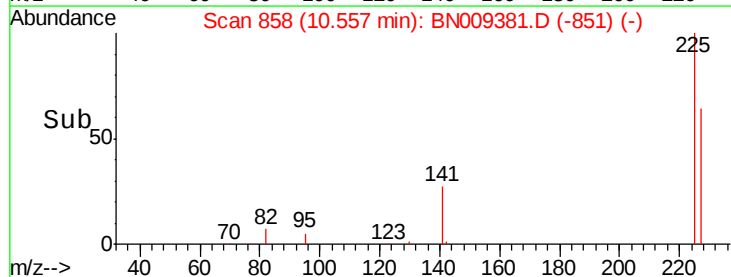
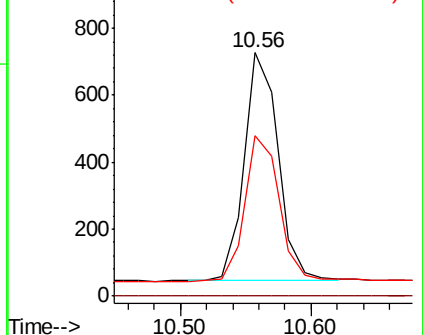
227 64.5 52.6 78.8

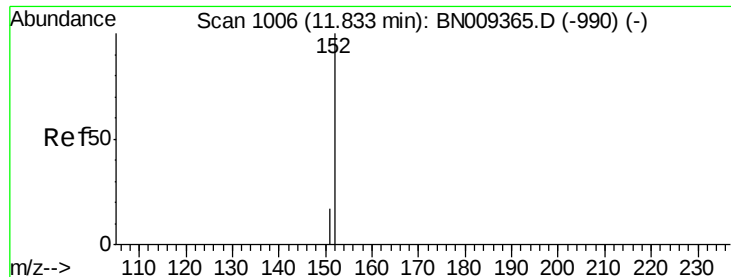


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.402 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

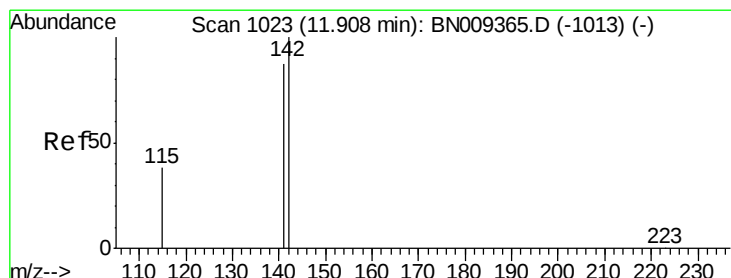
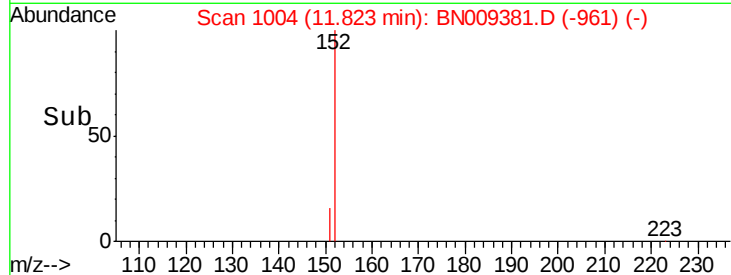
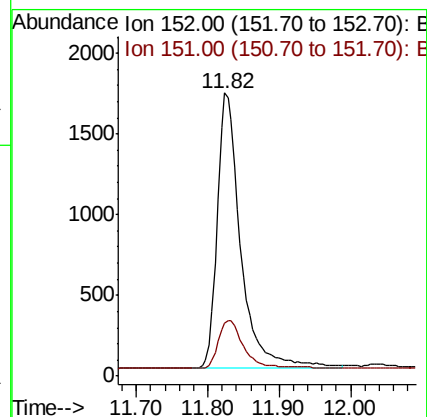
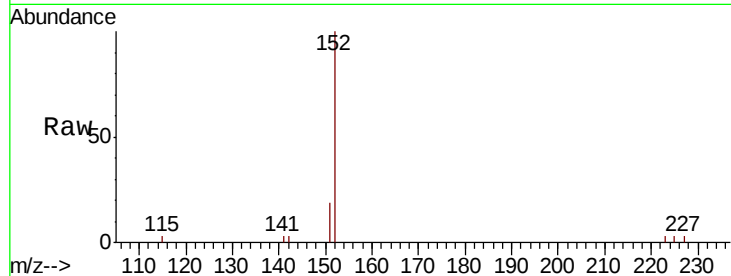
SSTDCCC0.4EC

Tot Ion:152 Resp: 3934

Ion Ratio Lower Upper

152 100

151 18.5 14.8 22.2



#12

2-Methylnaphthalene

Concen: 0.408 ng

RT: 11.90 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

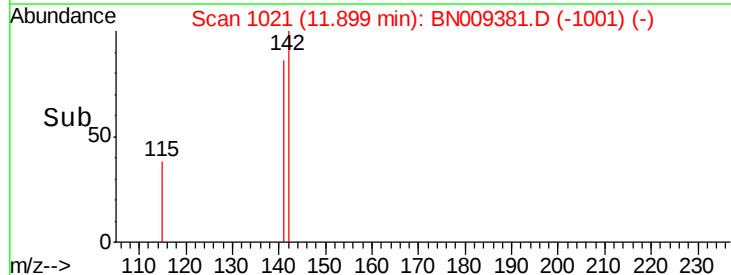
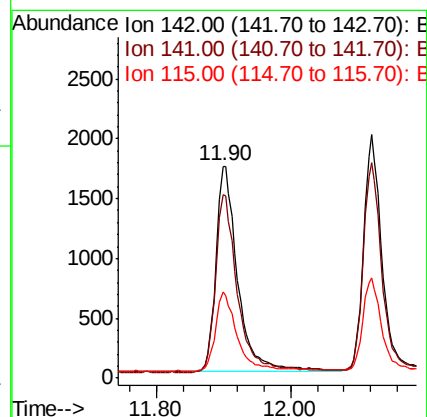
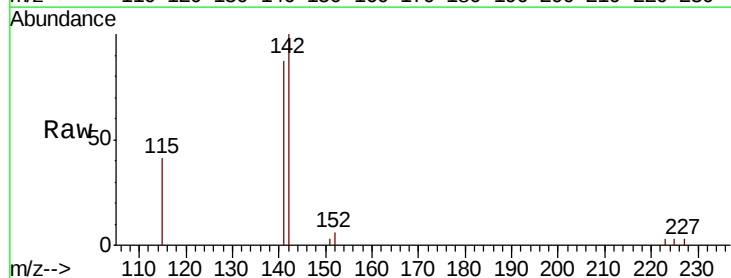
Tgt Ion:142 Resp: 3899

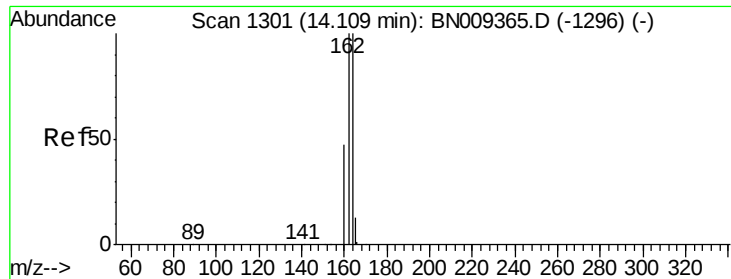
Ion Ratio Lower Upper

142 100

141 86.6 69.8 104.6

115 40.7 32.5 48.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

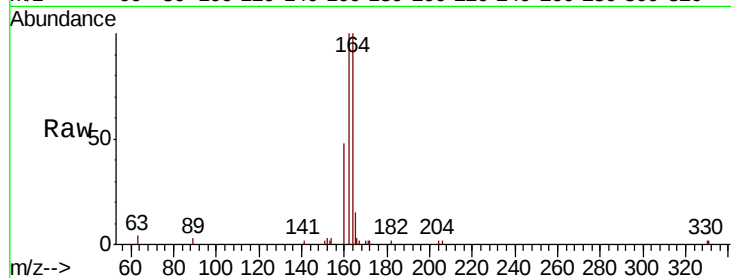
Tot Ion:164 Resp: 3233

Ion Ratio Lower Upper

164 100

162 100.0 79.8 119.6

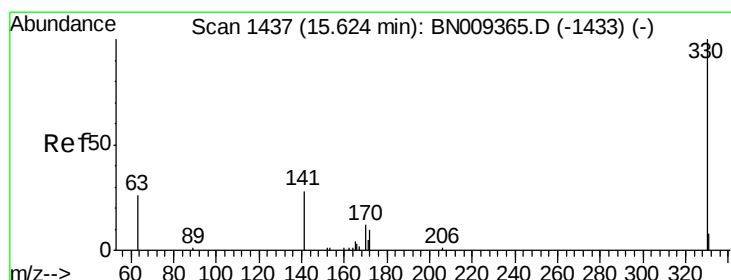
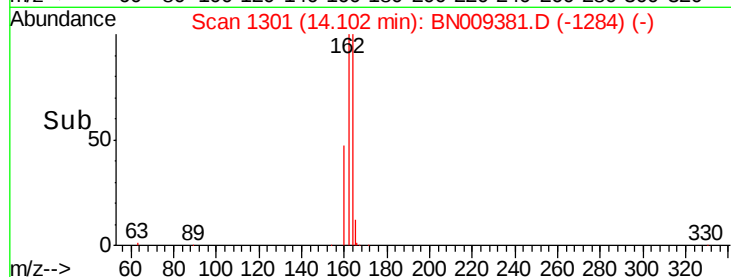
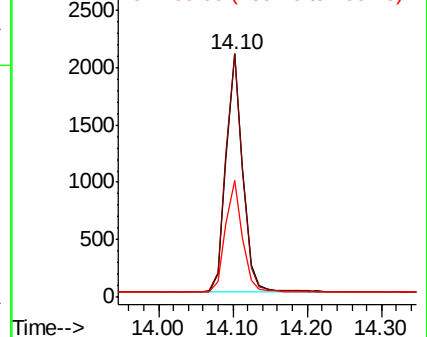
160 48.0 38.4 57.6



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: 0.362 ng

RT: 15.62 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

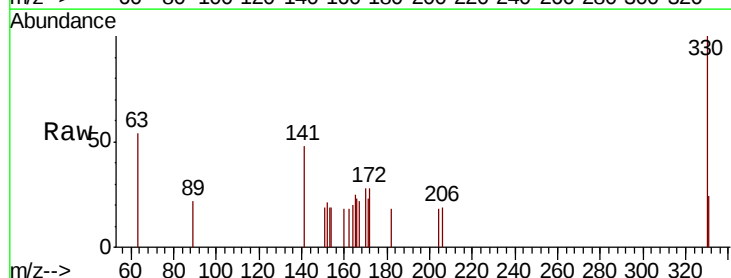
Tgt Ion:330 Resp: 442

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

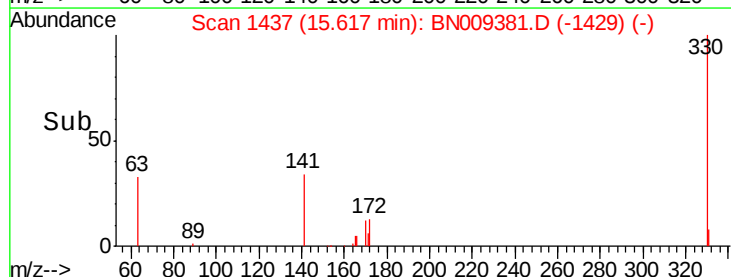
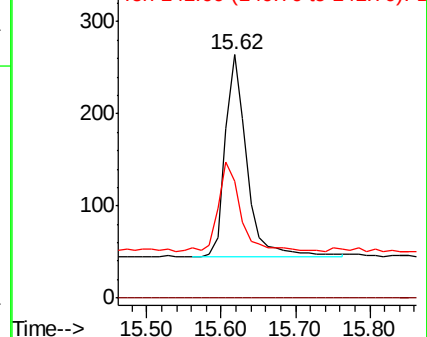
141 45.0 33.1 49.7

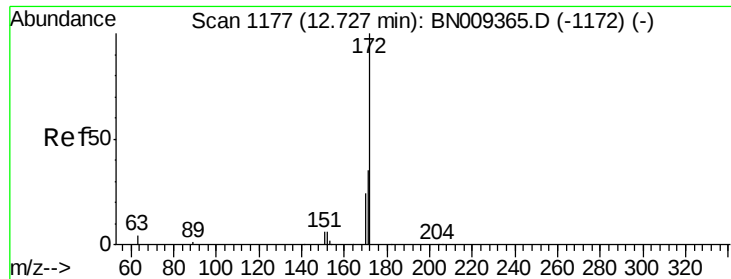


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

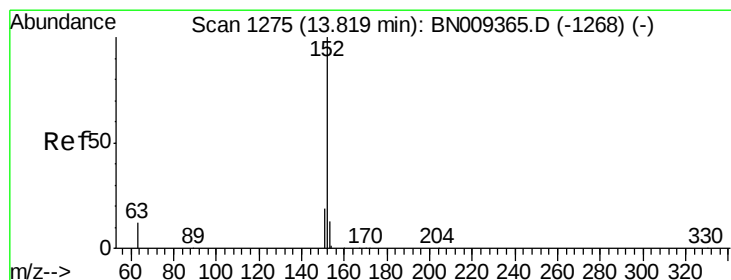
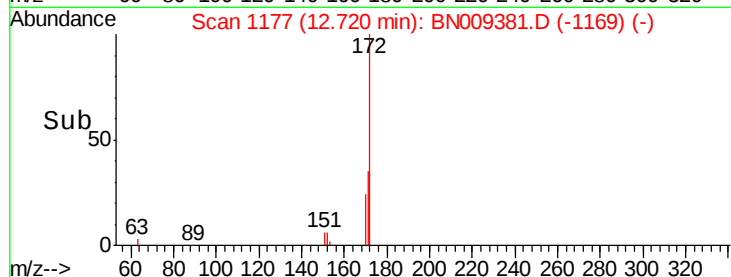
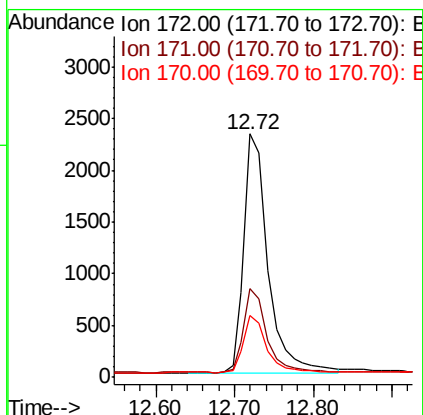
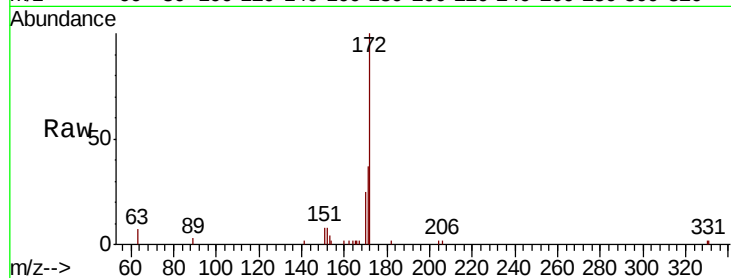




#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009381.D
Acq: 15 Jan 2020 16:51

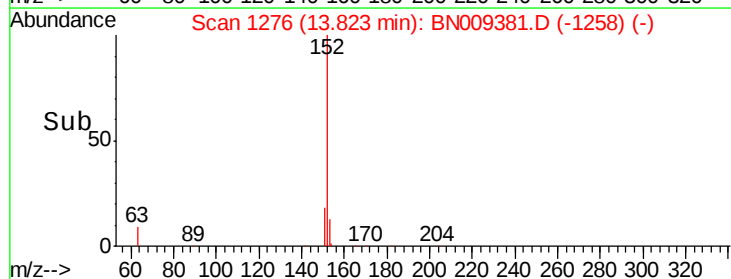
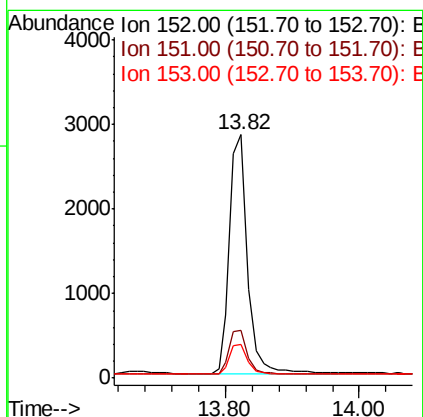
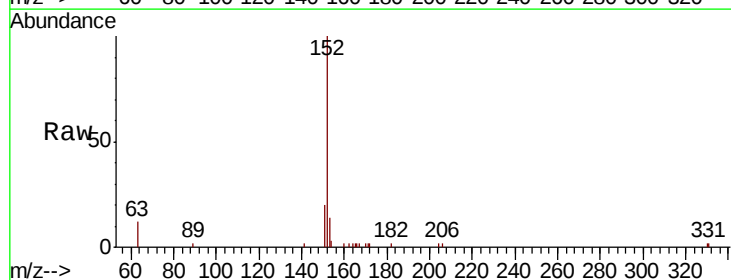
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

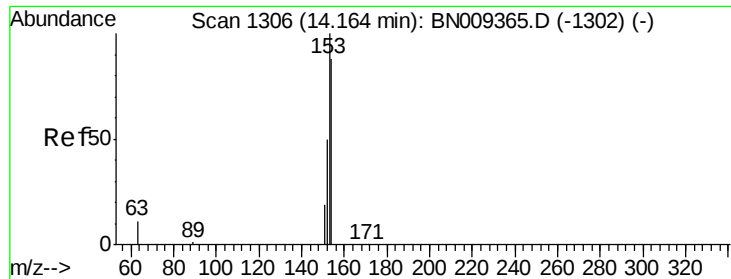
Tot Ion:172 Resp: 4910
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 25.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.378 ng
RT: 13.82 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BN009381.D
Acq: 15 Jan 2020 16:51

Tgt Ion:152 Resp: 5268
Ion Ratio Lower Upper
152 100
151 19.0 15.4 23.2
153 12.5 10.4 15.6





#17

Acenaphthene

Concen: 0.404 ng

RT: 14.17 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

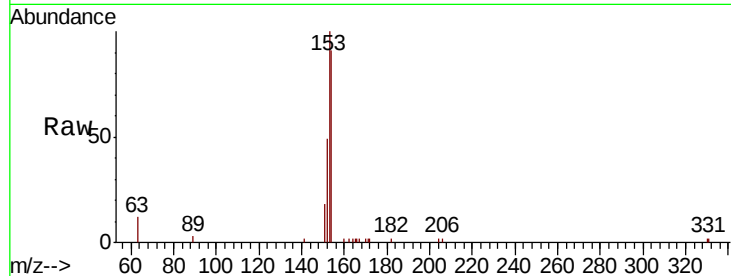
Tot Ion:154 Resp: 3957

Ion Ratio Lower Upper

154 100

153 111.9 90.5 135.7

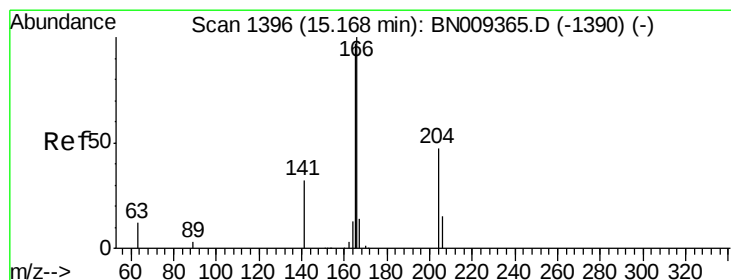
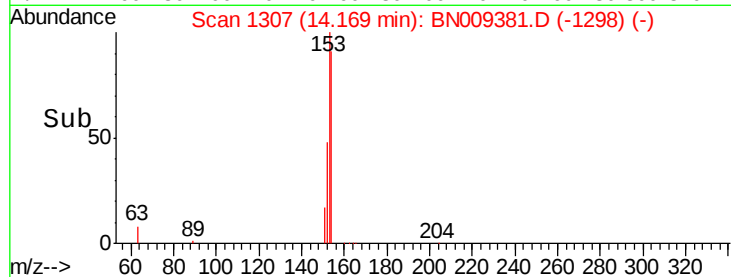
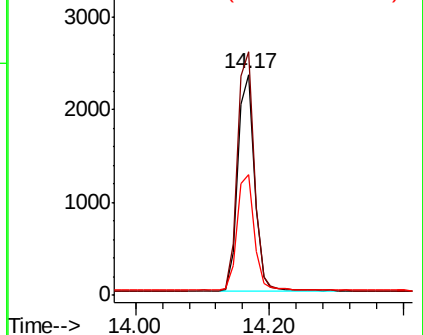
152 55.4 45.3 67.9



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: 0.393 ng

RT: 15.16 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

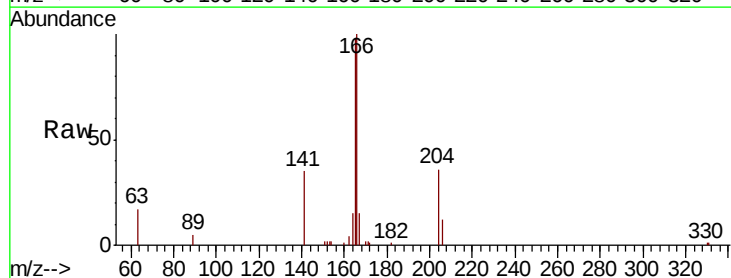
Tgt Ion:166 Resp: 5022

Ion Ratio Lower Upper

166 100

165 97.6 78.2 117.2

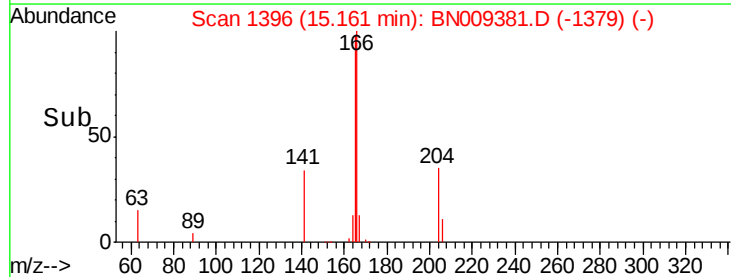
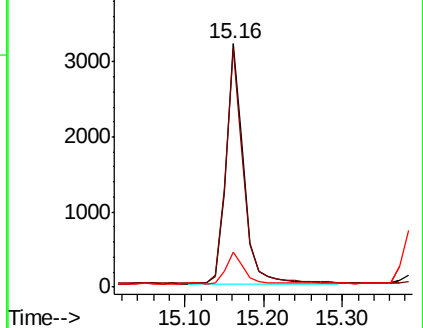
167 13.6 11.0 16.6

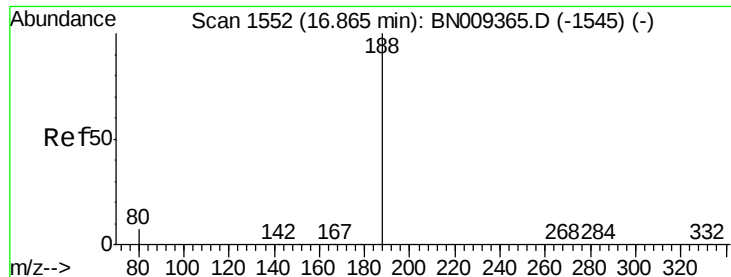


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.86 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

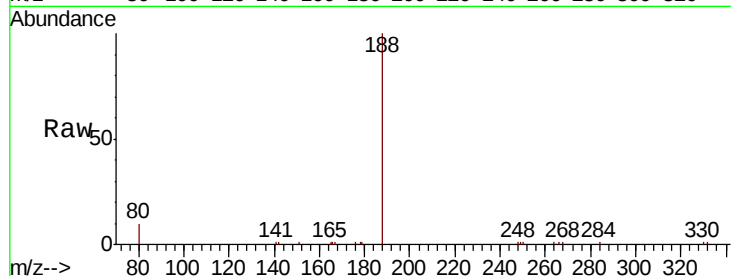
Tot Ion:188 Resp: 7194

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

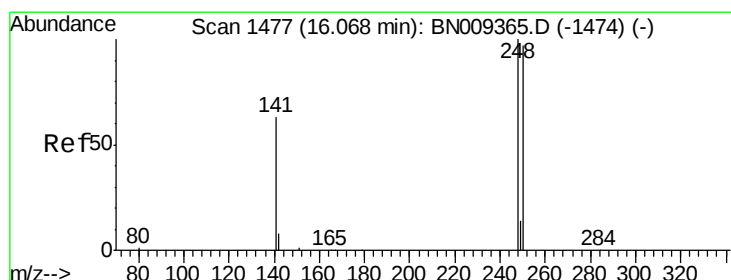
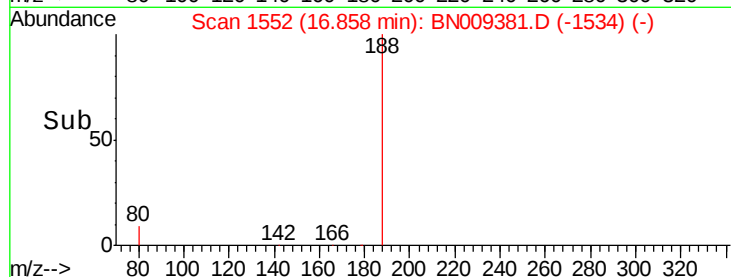
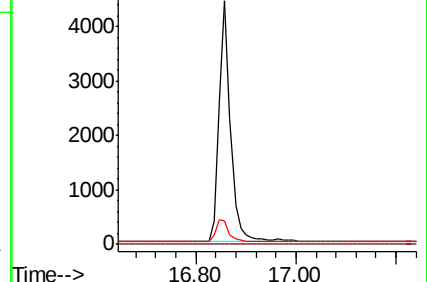
80 9.7 6.6 10.0



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: 0.386 ng

RT: 16.06 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

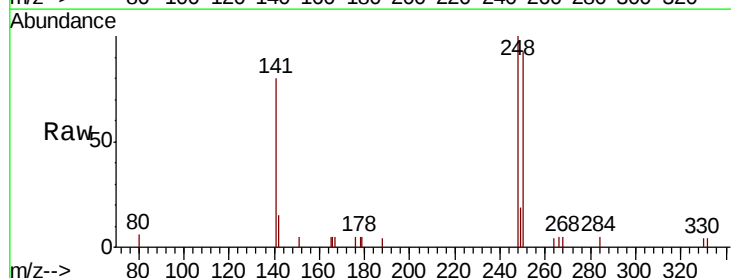
Tgt Ion:248 Resp: 1673

Ion Ratio Lower Upper

248 100

250 93.0 77.8 116.8

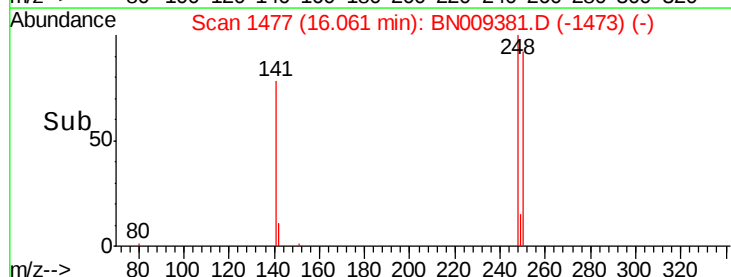
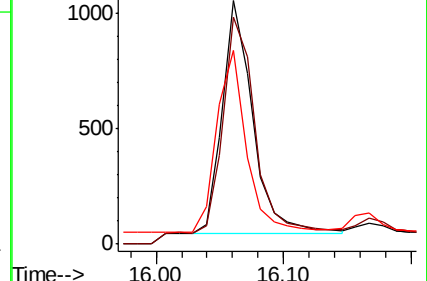
141 79.7 53.4 80.0

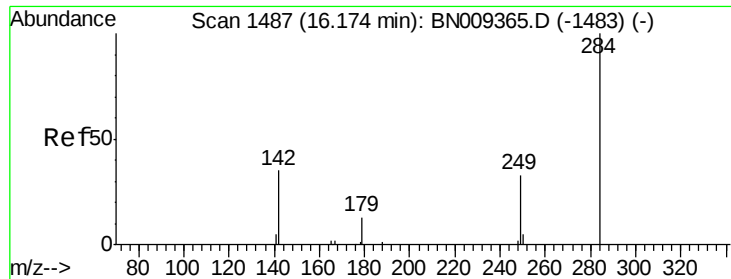


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.383 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

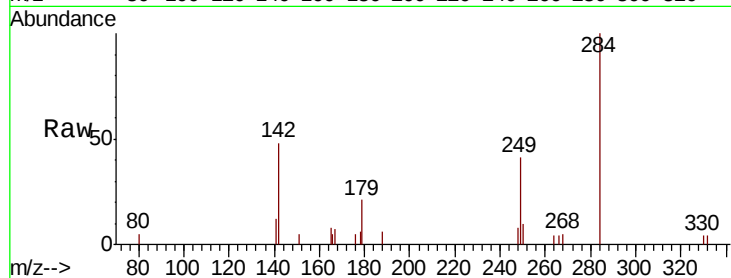
Tot Ion:284 Resp: 1767

Ion Ratio Lower Upper

284 100

142 42.9 33.8 50.8

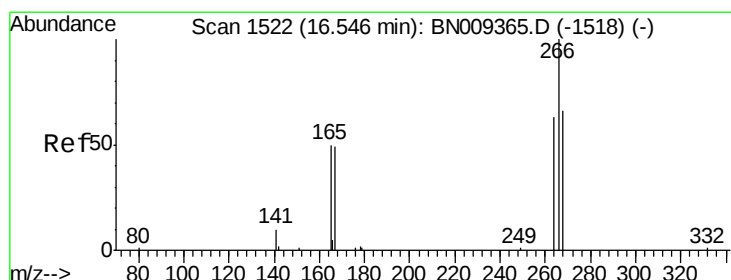
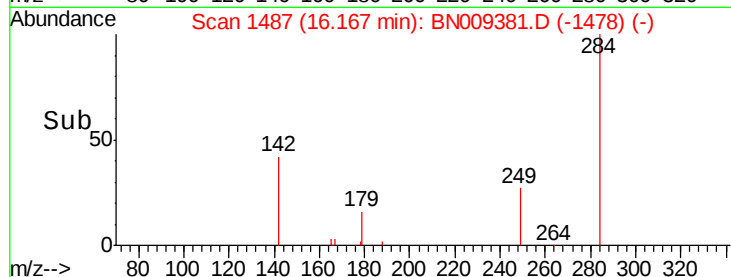
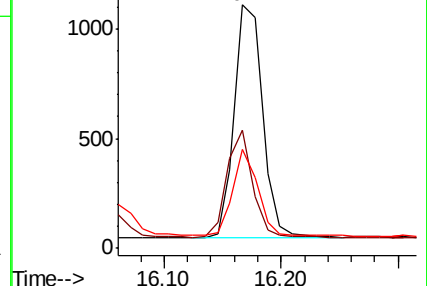
249 33.3 27.0 40.4



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: 0.396 ng

RT: 16.54 min Scan# 1522

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

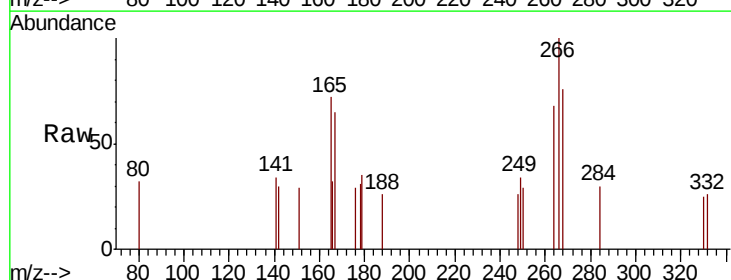
Tgt Ion:266 Resp: 406

Ion Ratio Lower Upper

266 100

264 68.2 57.8 86.6

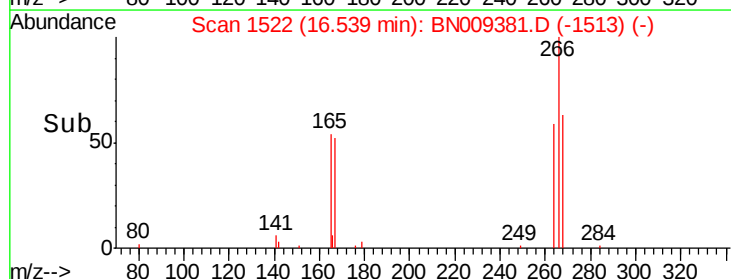
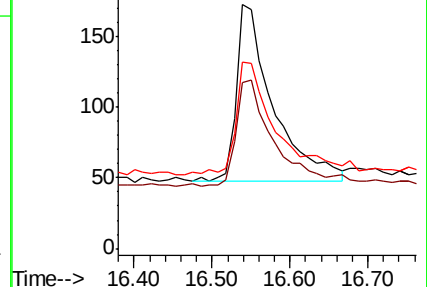
268 76.3 63.8 95.6

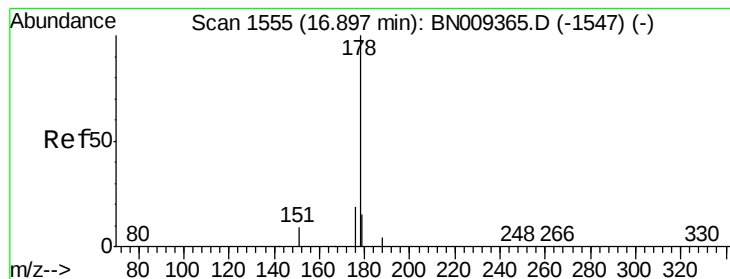


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.390 ng

RT: 16.90 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

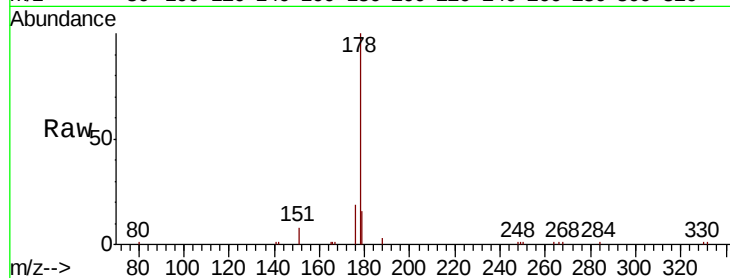
Tot Ion:178 Resp: 8420

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

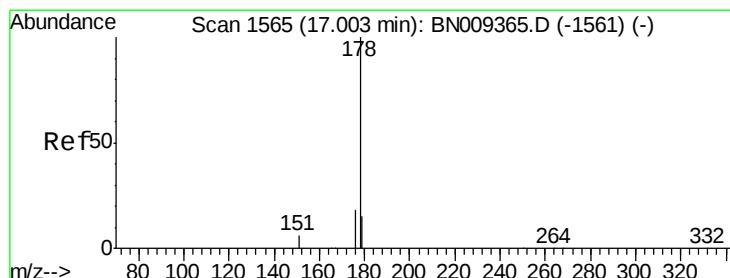
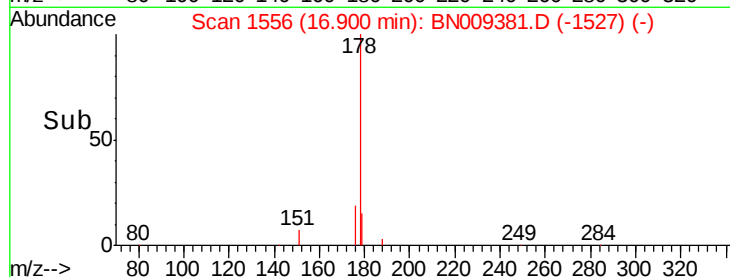
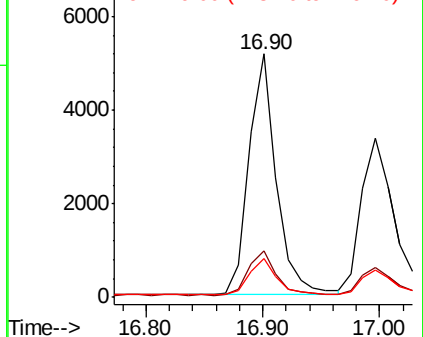
179 15.0 12.3 18.5



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: 0.372 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

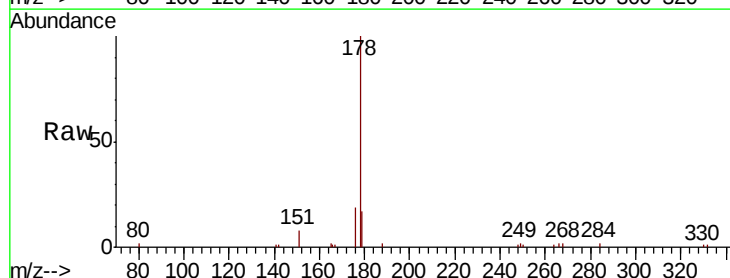
Tgt Ion:178 Resp: 6745

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

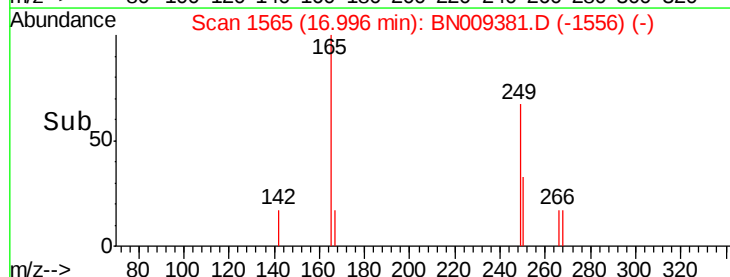
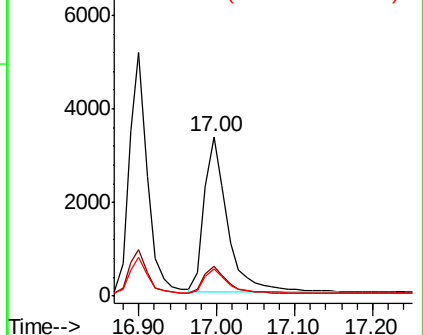
179 15.2 12.5 18.7

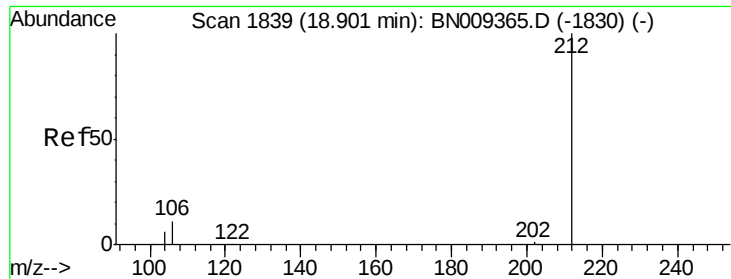


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 18.90 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

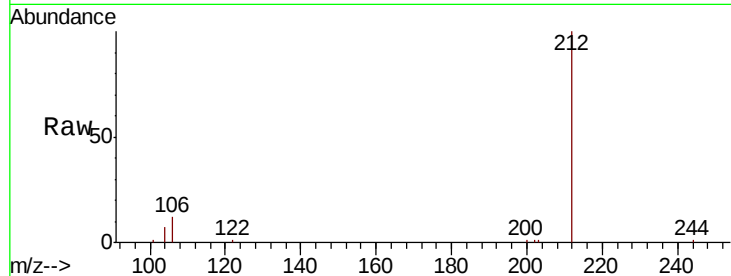
Tot Ion:212 Resp: 9430

Ion Ratio Lower Upper

212 100

106 11.6 9.2 13.8

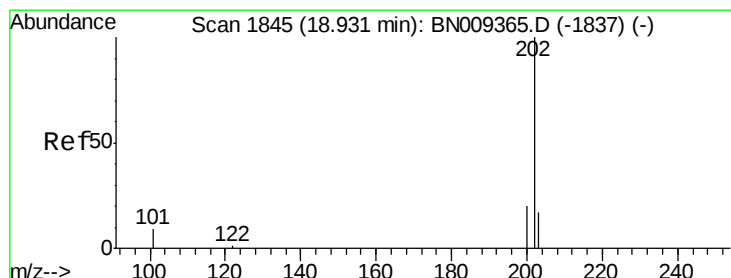
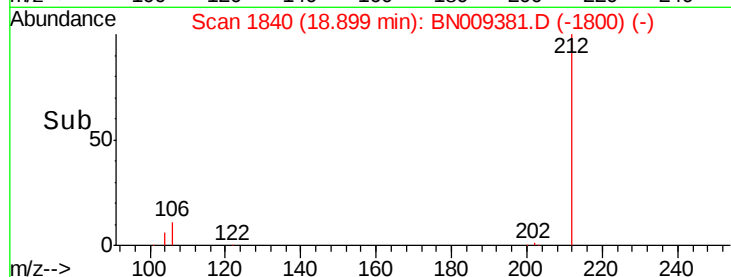
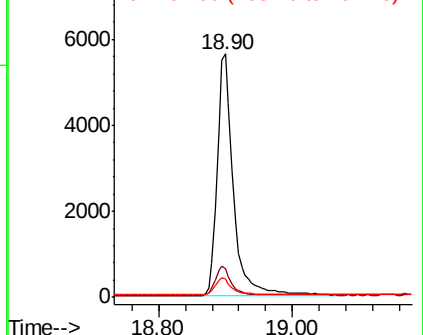
104 6.6 5.4 8.0



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: 0.382 ng

RT: 18.93 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

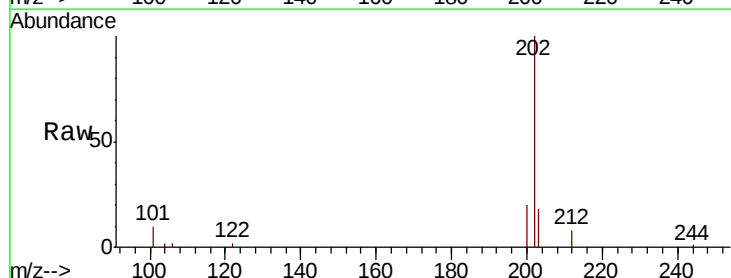
Tgt Ion:202 Resp: 9694

Ion Ratio Lower Upper

202 100

101 9.7 8.0 12.0

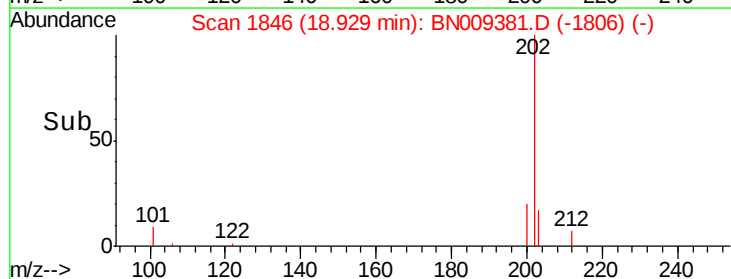
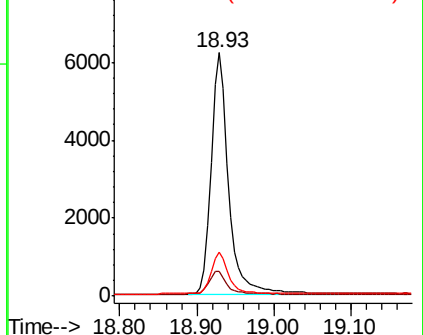
203 17.0 13.5 20.3

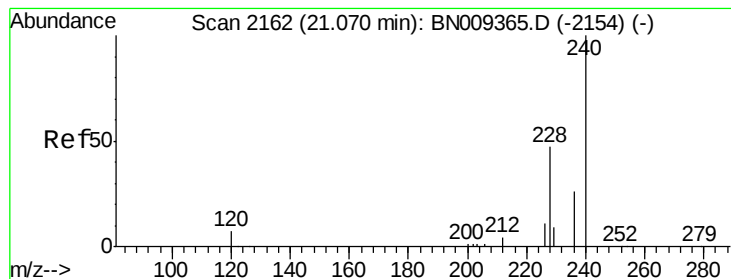


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

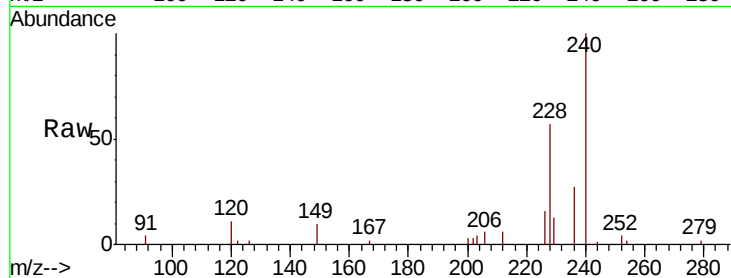
Tot Ion:240 Resp: 6290

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

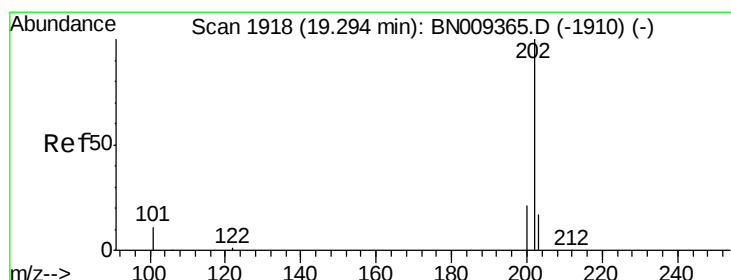
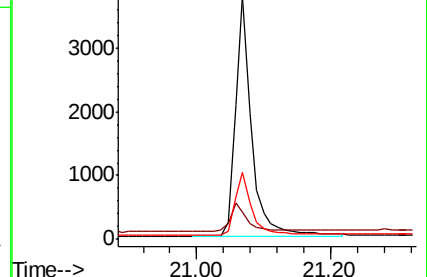
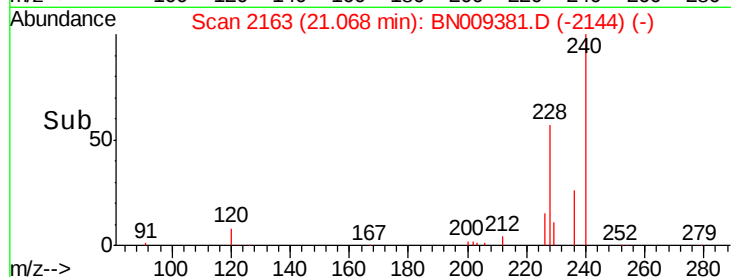
236 27.3 22.2 33.4



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: 0.409 ng

RT: 19.29 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

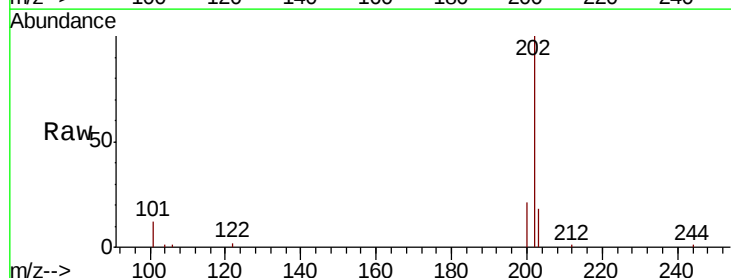
Tgt Ion:202 Resp: 9759

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

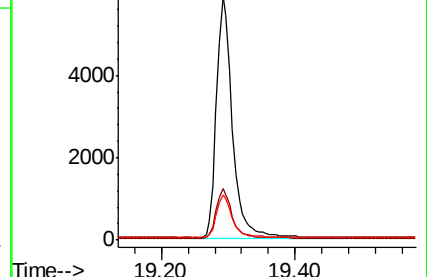
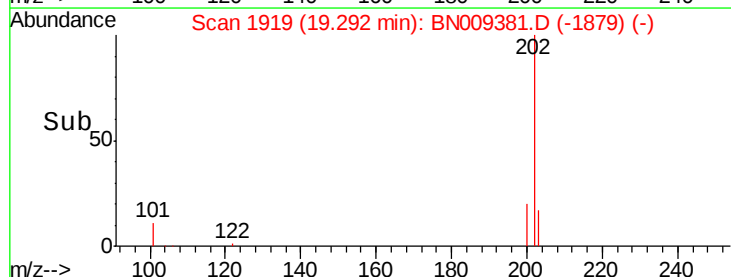
203 17.7 14.1 21.1

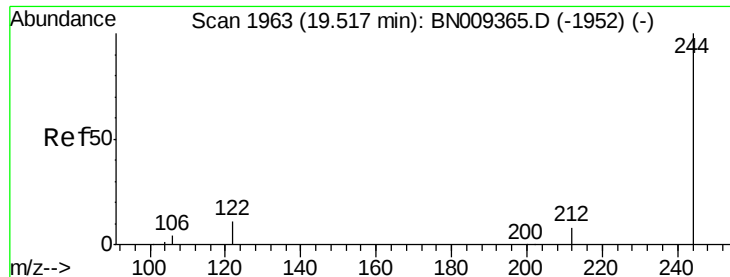


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.403 ng

RT: 19.52 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

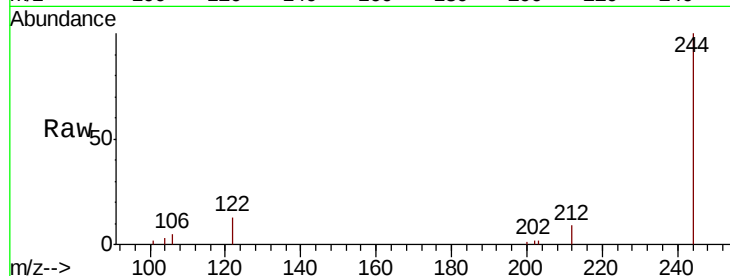
Tot Ion:244 Resp: 6005

Ion Ratio Lower Upper

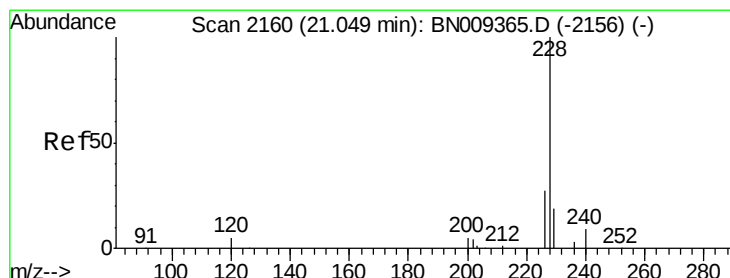
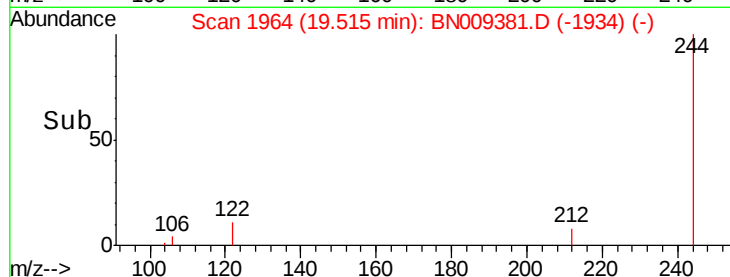
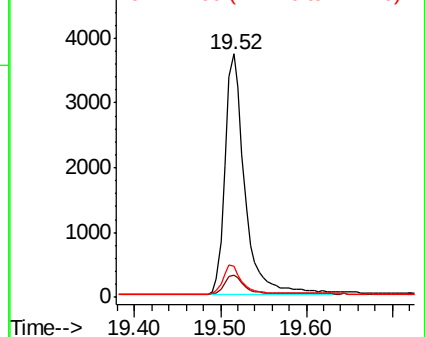
244 100

212 9.3 7.5 11.3

122 12.7 9.8 14.6



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: 0.377 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

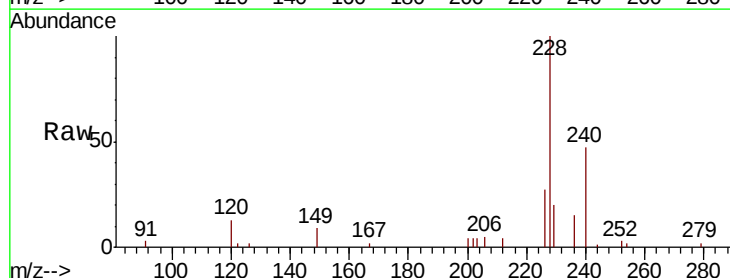
Tgt Ion:228 Resp: 7802

Ion Ratio Lower Upper

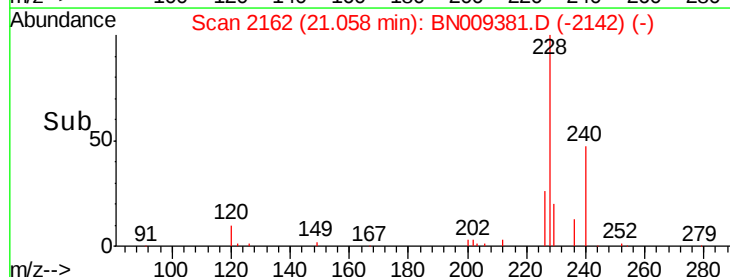
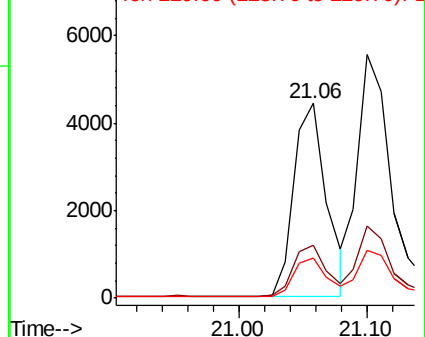
228 100

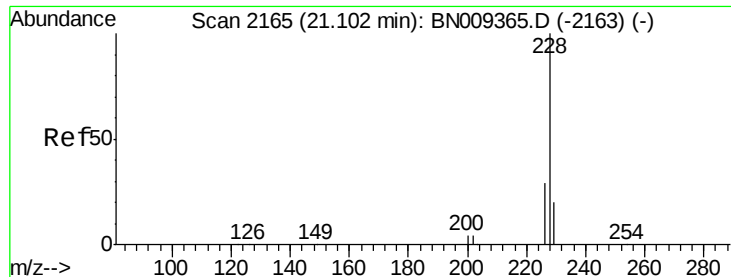
226 27.0 22.5 33.7

229 20.5 16.1 24.1



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: 0.421 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

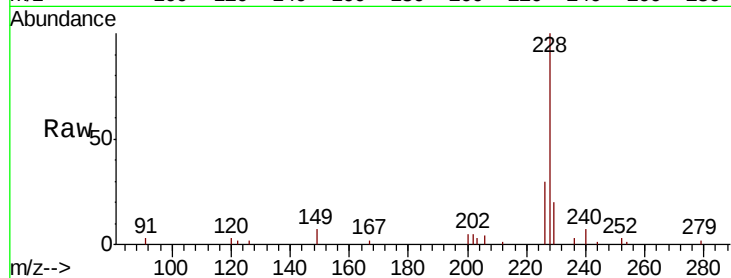
BNA_N

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:228 Resp: 9965

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.7	16.6	24.8

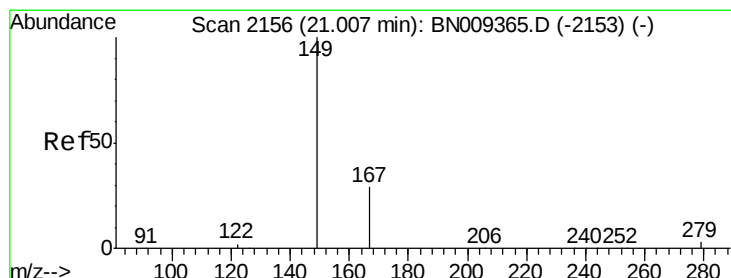
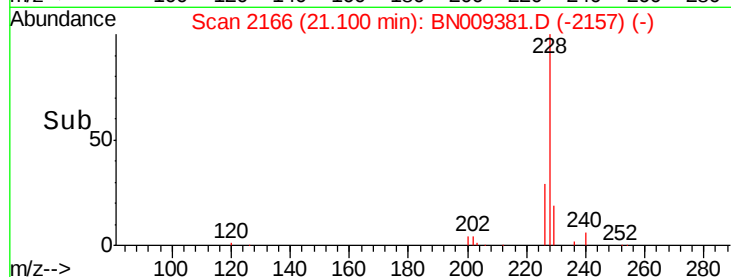
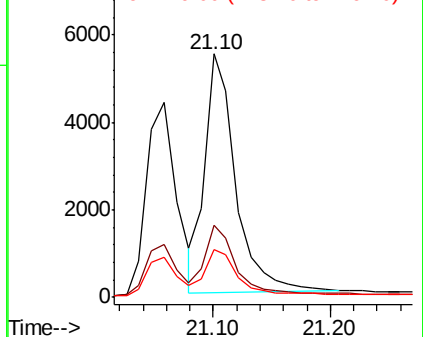


Abundance

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: 0.398 ng

RT: 21.00 min Scan# 2157

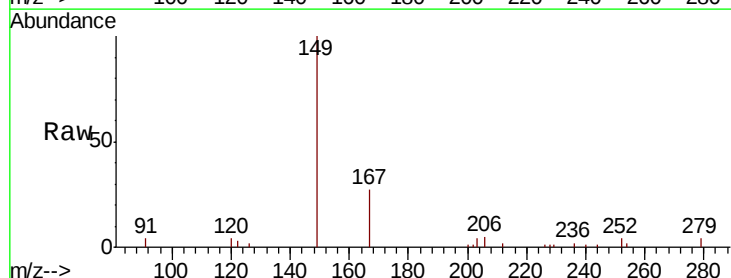
Delta R.T. -0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Tgt Ion:149 Resp: 3637

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.9	34.3
279	3.8	3.4	5.0

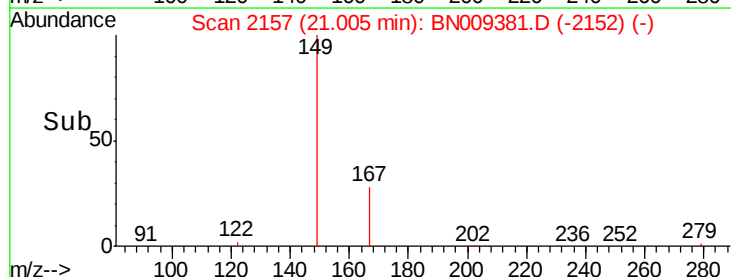
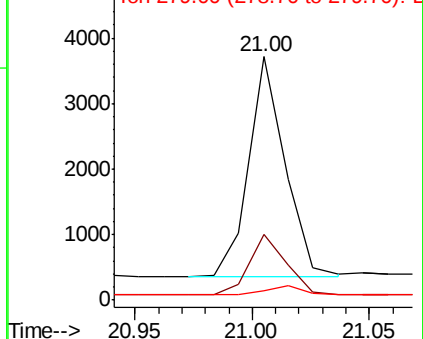


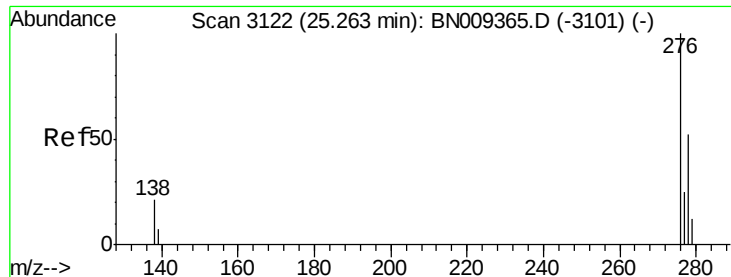
Abundance

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

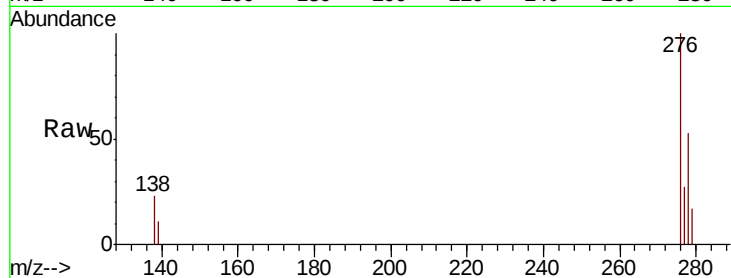




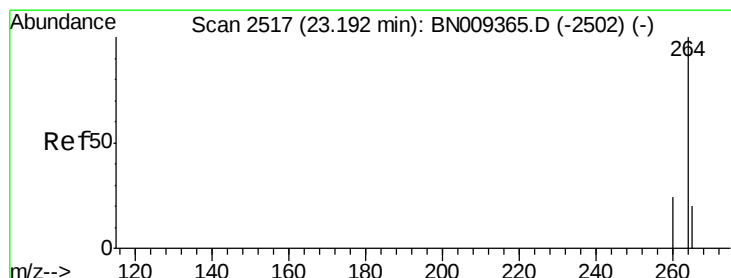
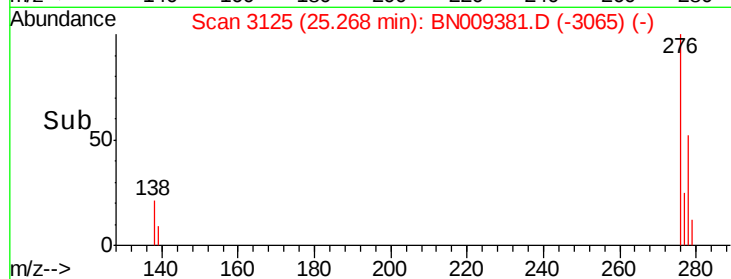
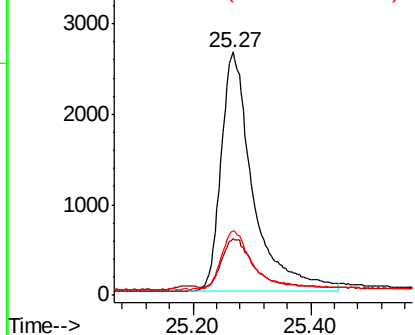
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng
RT: 25.27 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BN009381.D
Acq: 15 Jan 2020 16:51

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:276 Resp: 9945
Ion Ratio Lower Upper
276 100
138 21.1 15.9 23.9
277 24.3 19.8 29.6

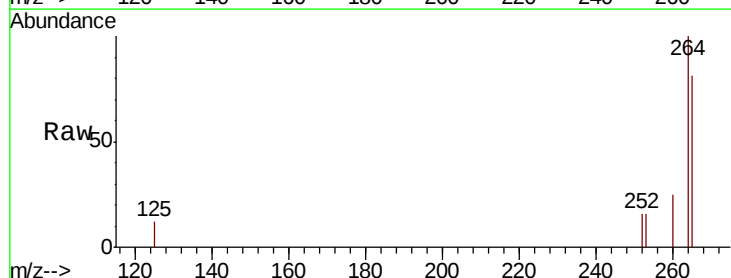


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

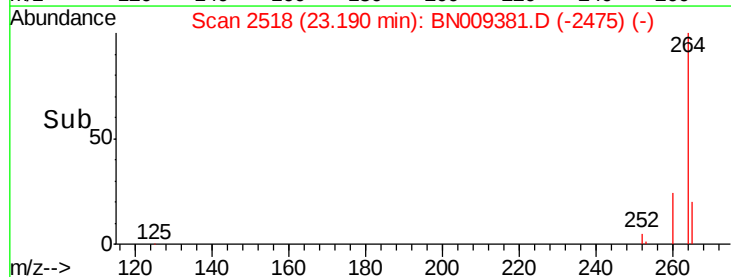
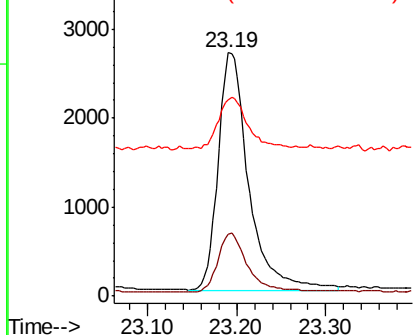


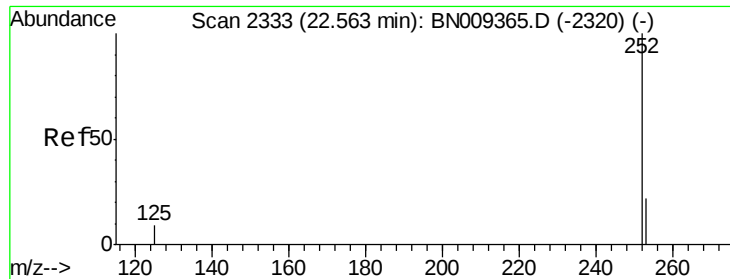
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: BN009381.D
Acq: 15 Jan 2020 16:51

Tgt Ion:264 Resp: 6372
Ion Ratio Lower Upper
264 100
260 25.2 20.1 30.1
265 80.6 68.2 102.4



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: 0.387 ng

RT: 22.56 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

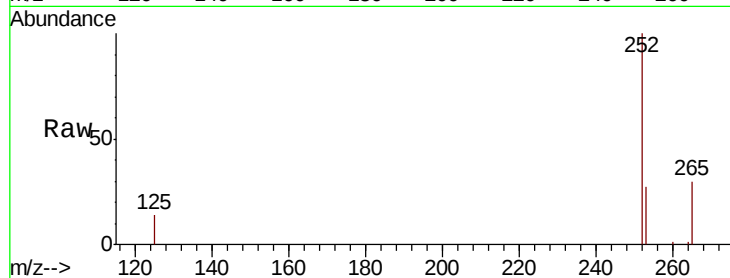
Tot Ion:252 Resp: 9060

Ion Ratio Lower Upper

252 100

253 27.2 22.4 33.6

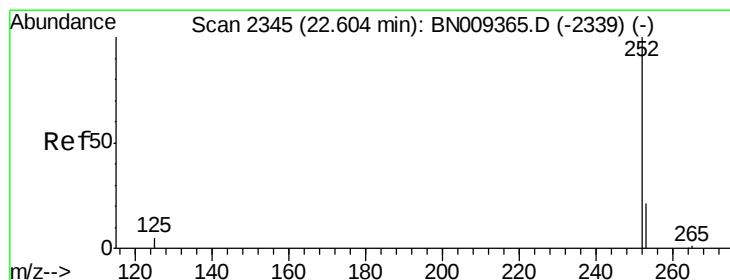
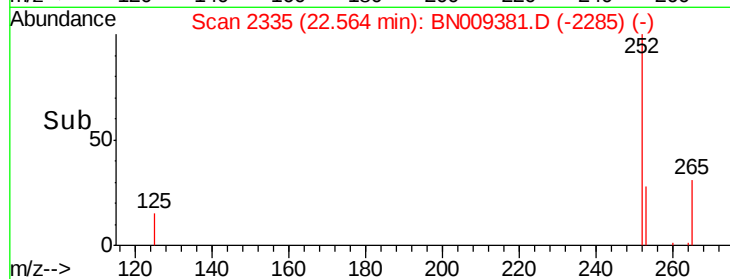
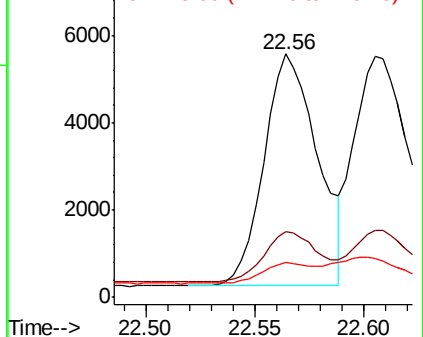
125 14.4 11.6 17.4



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



#36

Benzo(k)fluoranthene

Concen: 0.392 ng

RT: 22.61 min Scan# 2347

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

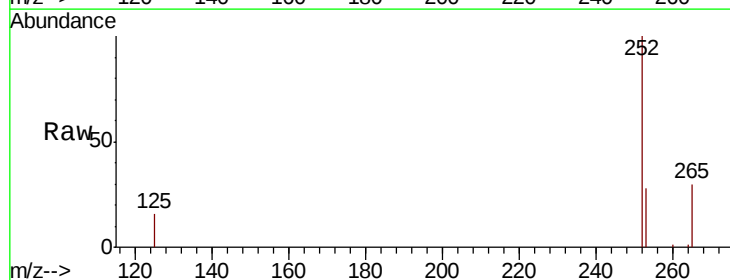
Tgt Ion:252 Resp: 10143

Ion Ratio Lower Upper

252 100

253 27.6 21.9 32.9

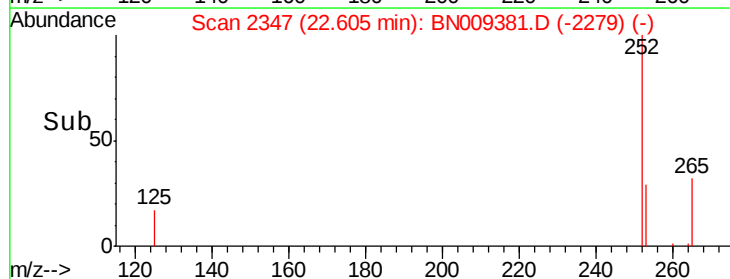
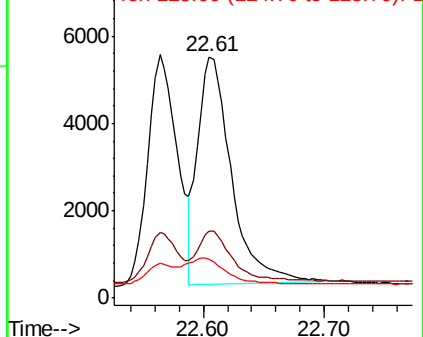
125 16.2 12.0 18.0

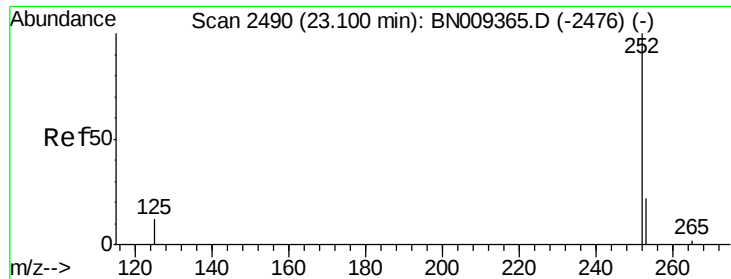


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.404 ng

RT: 23.10 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

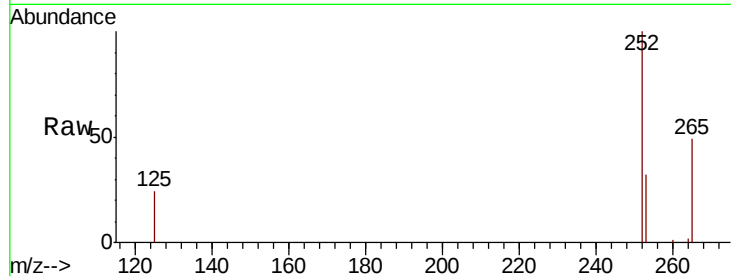
Tot Ion:252 Resp: 8340

Ion Ratio Lower Upper

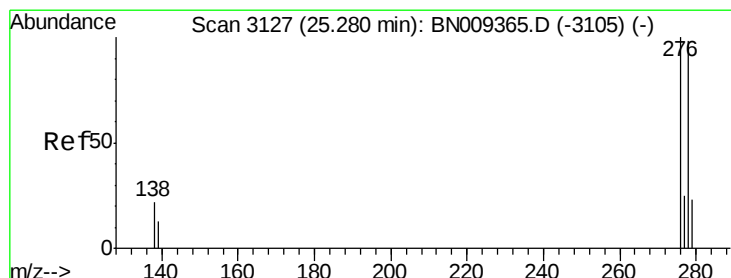
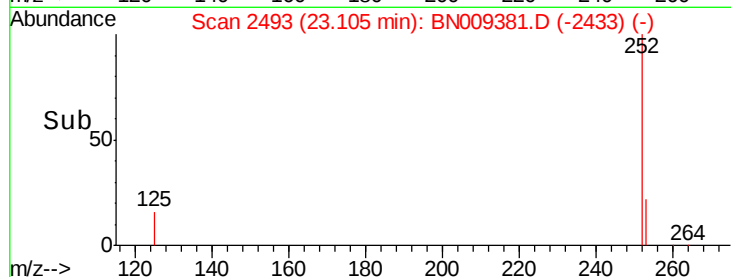
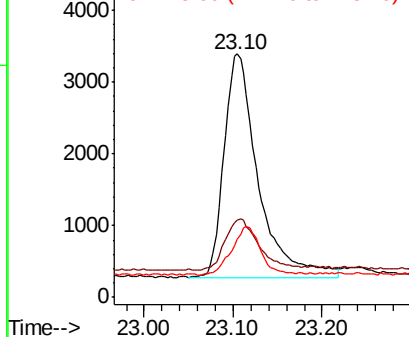
252 100

253 31.6 25.4 38.0

125 23.9 16.2 24.2



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



#38

Dibenzo(a,h)anthracene

Concen: 0.377 ng

RT: 25.29 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

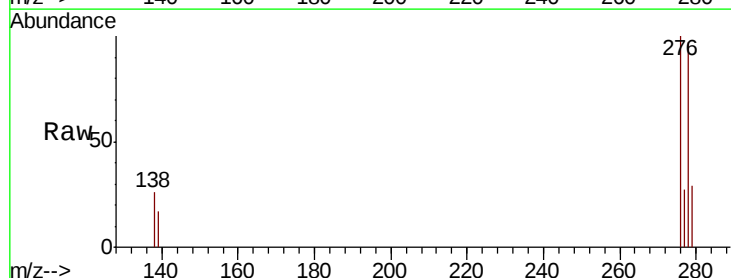
Tgt Ion:278 Resp: 7814

Ion Ratio Lower Upper

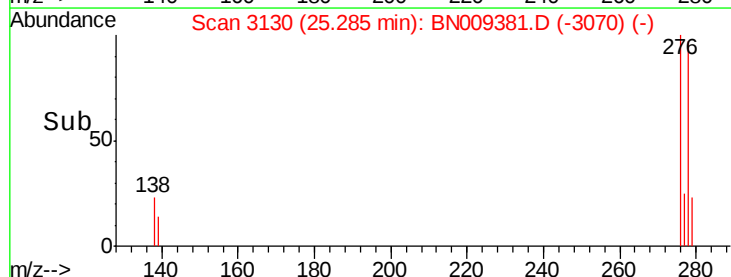
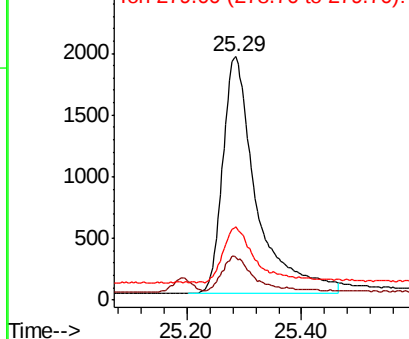
278 100

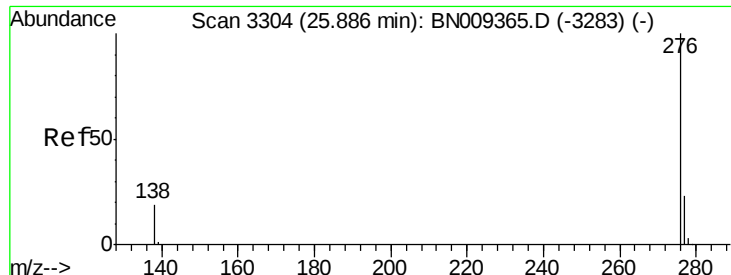
139 17.5 14.5 21.7

279 30.1 24.2 36.4



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: 0.384 ng

RT: 25.89 min Scan# 3307

Delta R.T. 0.00 min

Lab File: BN009381.D

Acq: 15 Jan 2020 16:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

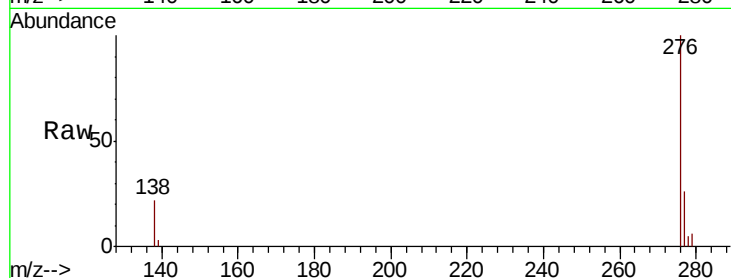
Tot Ion: 276 Resp: 8761

Ion Ratio Lower Upper

276 100

277 25.7 20.6 30.8

138 22.1 17.1 25.7



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

