

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
 Data File : BN009429.D
 Acq On : 23 Jan 2020 18:28
 Operator : CG/JU
 Sample : PB126299BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 24 12:16:58 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	1270	0.40	ng	0.00
7) Naphthalene-d8	10.22	136	4746	0.40	ng	-0.01
13) Acenaphthene-d10	14.09	164	3109	0.40	ng	-0.02
19) Phenanthrene-d10	16.85	188	6746	0.40	ng	-0.02
27) Chrysene-d12	21.06	240	5947	0.40	ng	-0.01
34) Perylene-d12	23.18	264	6141	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	1203	0.41	ng	0.00
5) Phenol-d6	6.67	99	1404	0.42	ng	0.00
8) Nitrobenzene-d5	8.62	82	1474	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.82	152	3079	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.61	330	458	0.39	ng	-0.02
15) 2-Fluorobiphenyl	12.72	172	4744	0.41	ng	0.00
25) Fluoranthene-d10	18.89	212	7103	0.31	ng	-0.01
29) Terphenyl-d14	19.51	244	5691	0.40	ng	0.00

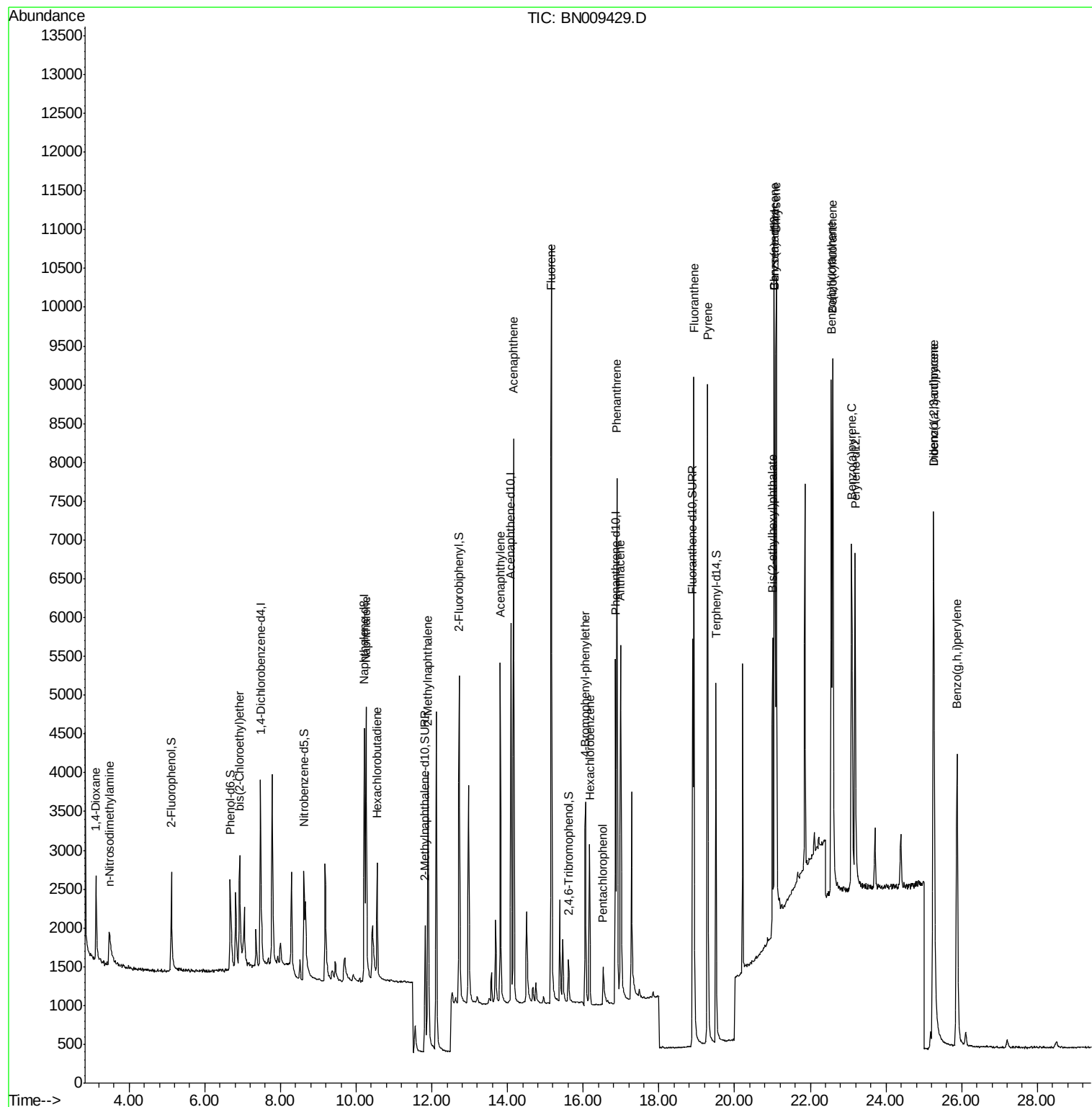
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	506	0.382	ng	95
3) n-Nitrosodimethylamine	3.47	42	724	0.354	ng	# 92
6) bis(2-Chloroethyl)ether	6.92	93	1523	0.437	ng	86
9) Naphthalene	10.27	128	5101	0.397	ng	99
10) Hexachlorobutadiene	10.56	225	1149	0.408	ng	# 97
12) 2-Methylnaphthalene	11.90	142	3510	0.392	ng	100
16) Acenaphthylene	13.81	152	5055	0.377	ng	99
17) Acenaphthene	14.16	154	3618	0.384	ng	99
18) Fluorene	15.16	166	4698	0.382	ng	99
20) 4-Bromophenyl-phenylether	16.06	248	1533	0.377	ng	93
21) Hexachlorobenzene	16.17	284	1677	0.388	ng	98
22) Pentachlorophenol	16.53	266	409	0.415	ng	99
23) Phenanthrene	16.89	178	7650	0.377	ng	100
24) Anthracene	16.99	178	6402	0.376	ng	99
26) Fluoranthene	18.92	202	8794	0.370	ng	100
28) Pyrene	19.29	202	8940	0.397	ng	100
30) Benzo(a)anthracene	21.05	228	7290	0.373	ng	98
31) Chrysene	21.10	228	8832	0.395	ng	99
32) Bis(2-ethylhexyl)phthalate	21.00	149	3576	0.414	ng	98
33) Indeno(1,2,3-cd)pyrene	25.25	276	9437	0.406	ng	99
35) Benzo(b)fluoranthene	22.56	252	8310	0.368	ng	99
36) Benzo(k)fluoranthene	22.60	252	9106	0.365	ng	99
37) Benzo(a)pyrene	23.09	252	7651	0.385	ng	98
38) Dibenzo(a,h)anthracene	25.26	278	7414	0.371	ng	98
39) Benzo(g,h,i)perylene	25.87	276	8084	0.367	ng	100

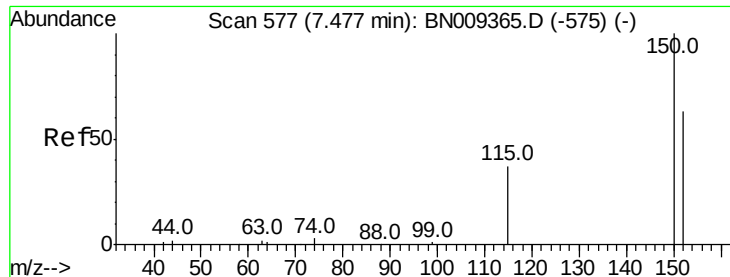
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 12:16:58 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



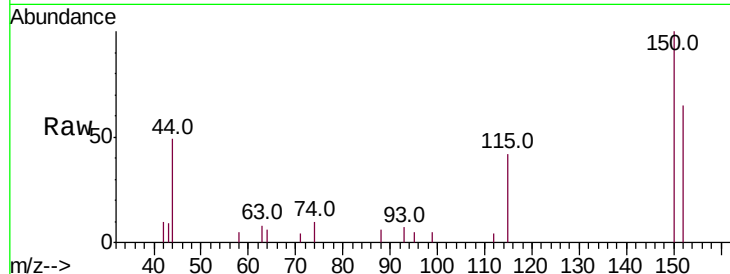


#1

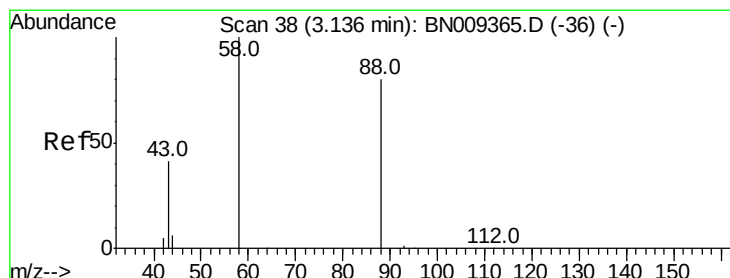
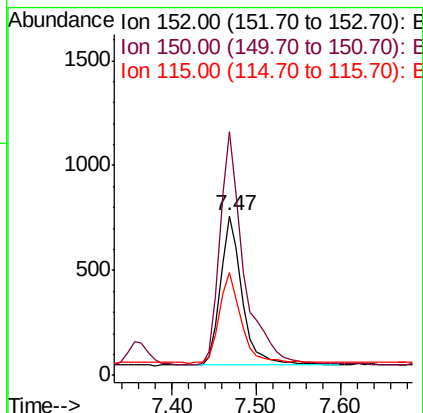
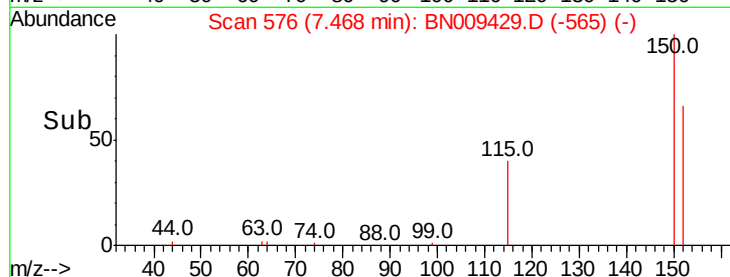
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BN009429.D
Acq: 23 Jan 2020 18:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1270
Ion Ratio Lower Upper
152 100
150 152.8 125.7 188.5
115 64.3 53.3 79.9



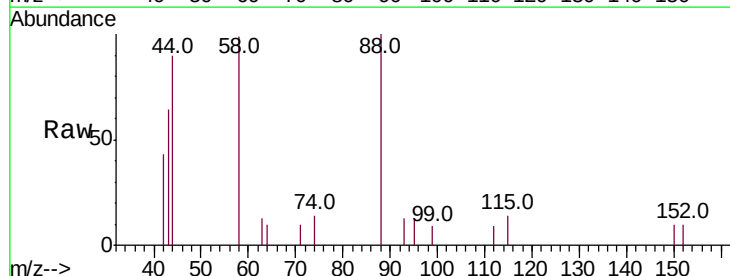
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



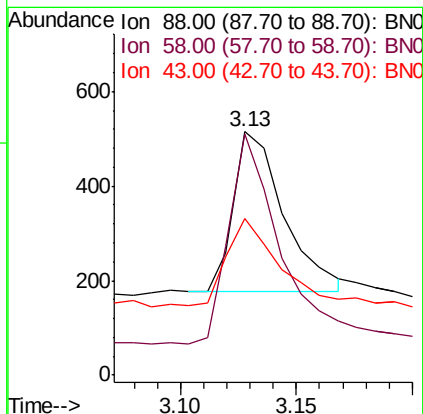
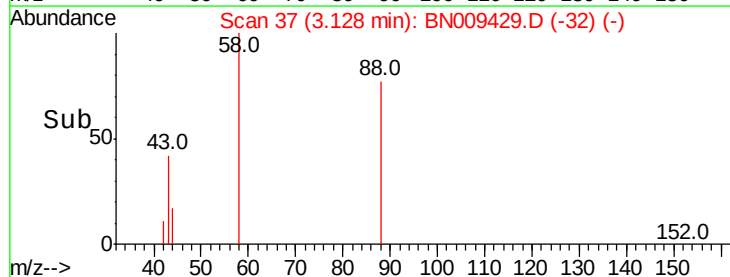
#2

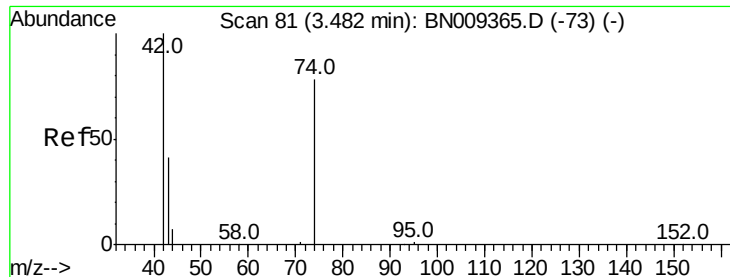
1,4-Dioxane
Concen: 0.382 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009429.D
Acq: 23 Jan 2020 18:28

Tgt Ion: 88 Resp: 506
Ion Ratio Lower Upper
88 100
58 133.2 100.2 150.2
43 55.1 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

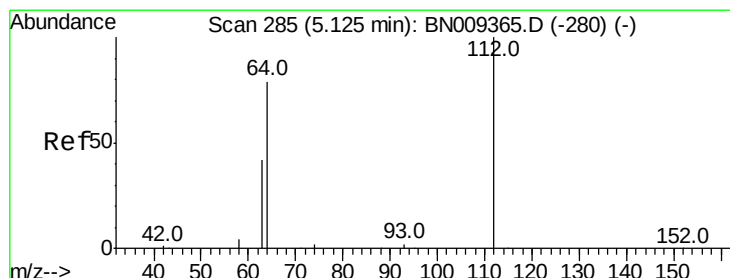
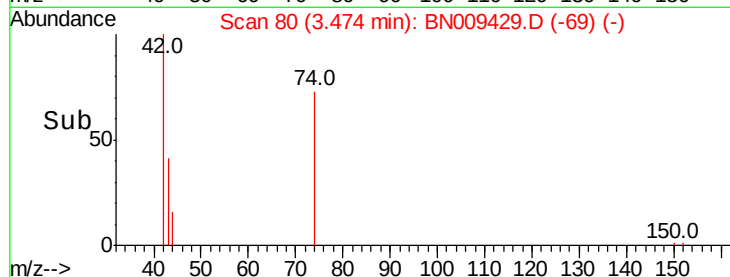
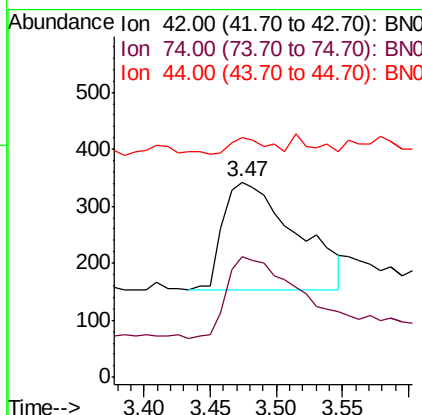
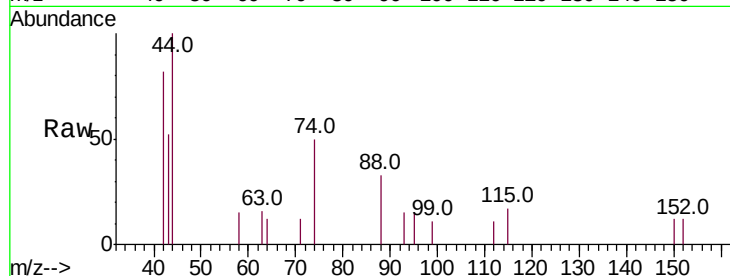




#3
 n-Nitrosodimethylamine
 Concen: 0.354 ng
 RT: 3.47 min Scan# 80
 Delta R.T. -0.01 min
 Lab File: BN009429.D
 Acq: 23 Jan 2020 18:28

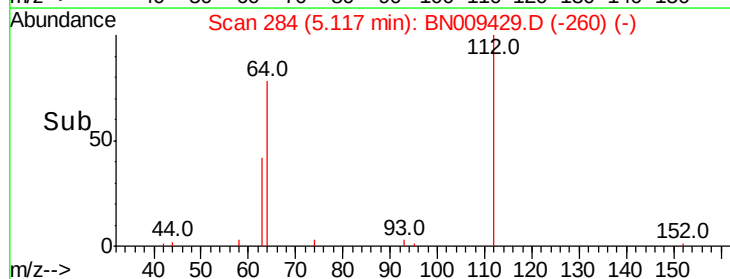
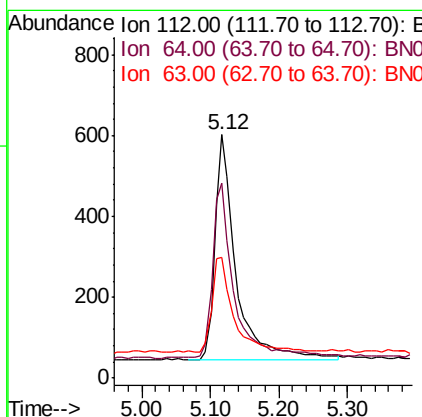
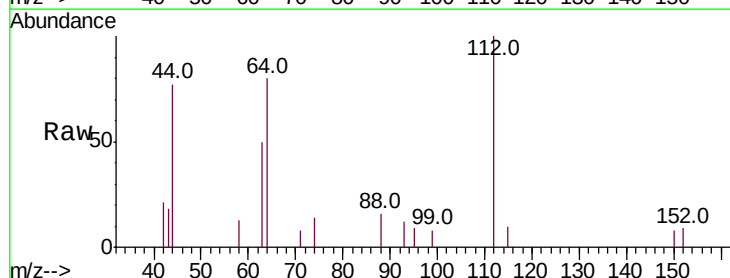
Instrument :
 BNA_N
 ClientSampleId :

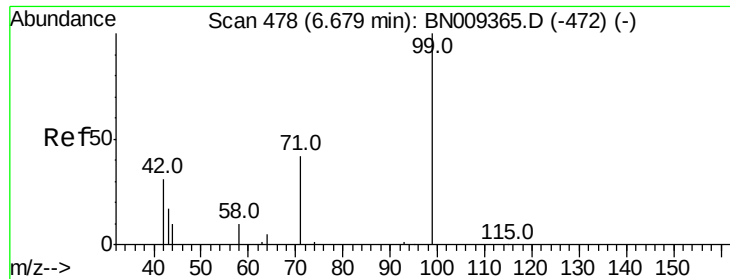
Tot Ion: 42 Resp: 724
 Ion Ratio Lower Upper
 42 100
 74 75.3 55.8 83.8
 44 7.2 11.1 16.7#



#4
 2-Fluorophenol
 Concen: 0.412 ng
 RT: 5.12 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: BN009429.D
 Acq: 23 Jan 2020 18:28

Tgt Ion: 112 Resp: 1203
 Ion Ratio Lower Upper
 112 100
 64 78.4 61.5 92.3
 63 42.4 35.0 52.4





#5

Phenol-d6

Concen: 0.415 ng

RT: 6.67 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampled :

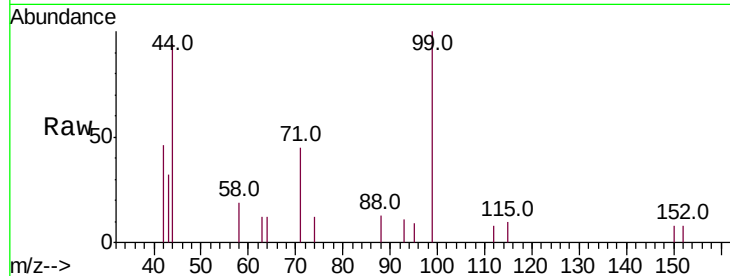
Tot Ion: 99 Resp: 1404

Ion Ratio Lower Upper

99 100

42 33.8 27.6 41.4

71 42.5 33.0 49.6



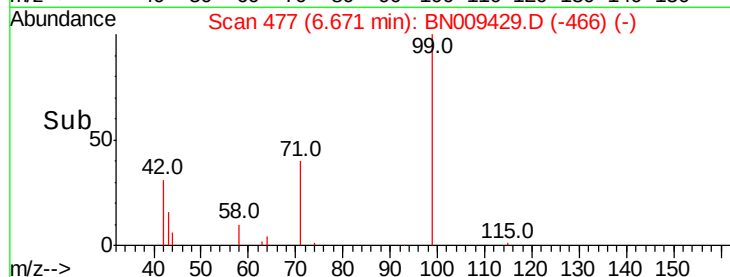
Abundance Ion 99.00 (98.70 to 99.70): BN009429.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009429.D (-472) (-)

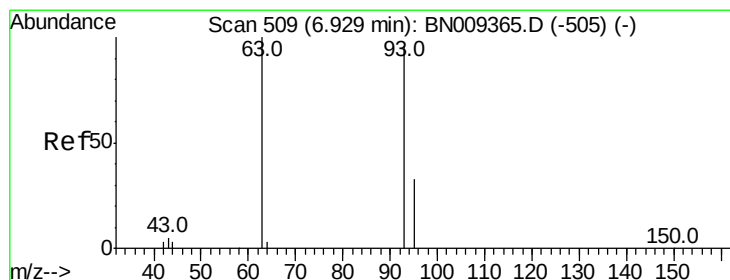
Ion 71.00 (70.70 to 71.70): BN009429.D (-472) (-)

6.67

6.60 6.70 6.80



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.437 ng

RT: 6.92 min Scan# 508

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

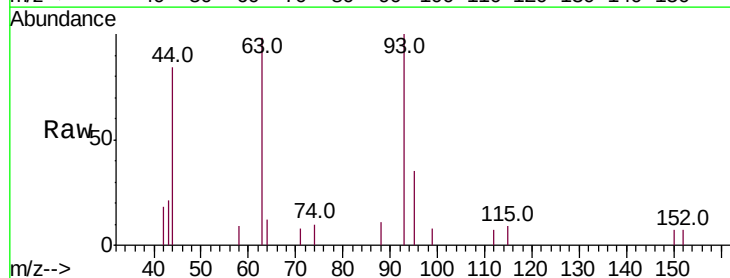
Tgt Ion: 93 Resp: 1523

Ion Ratio Lower Upper

93 100

63 89.9 85.1 127.7

95 31.6 30.2 45.4



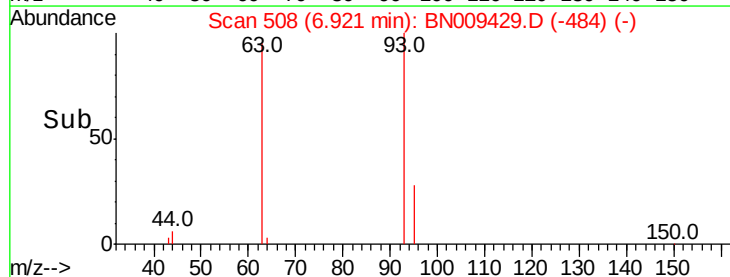
Abundance Ion 93.00 (92.70 to 93.70): BN009429.D (-484) (-)

Ion 63.00 (62.70 to 63.70): BN009429.D (-484) (-)

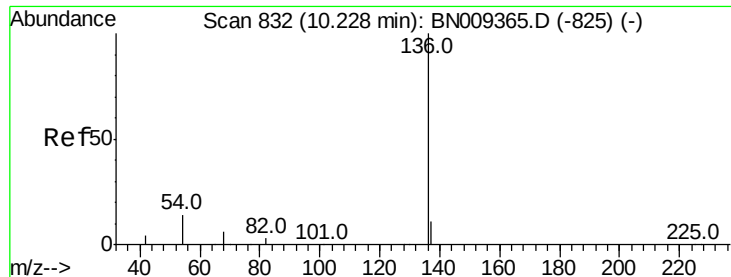
Ion 95.00 (94.70 to 95.70): BN009429.D (-484) (-)

6.92

6.80 6.90 7.00 7.10



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 4746

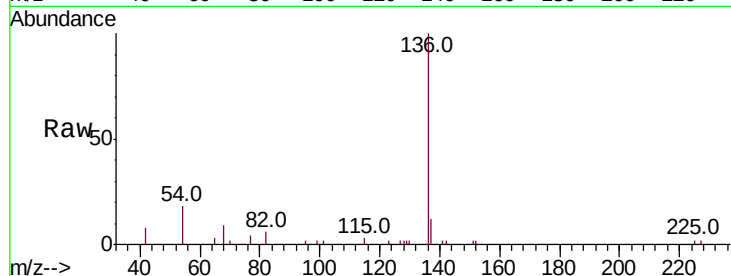
Ion Ratio Lower Upper

136 100

137 12.3 10.3 15.5

54 17.6 12.6 19.0

68 9.4 6.5 9.7

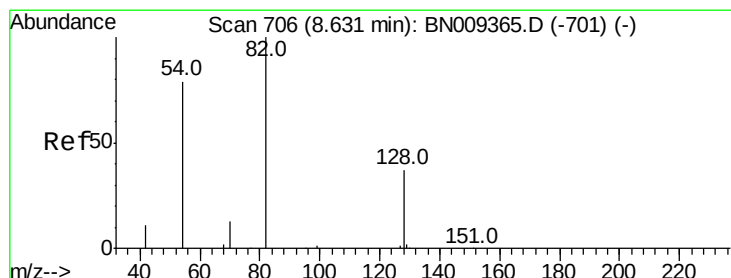
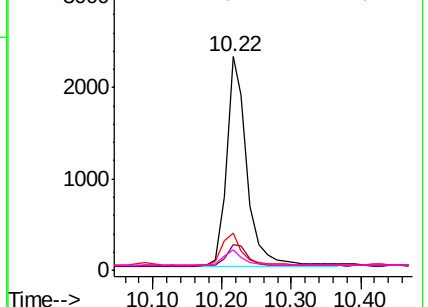
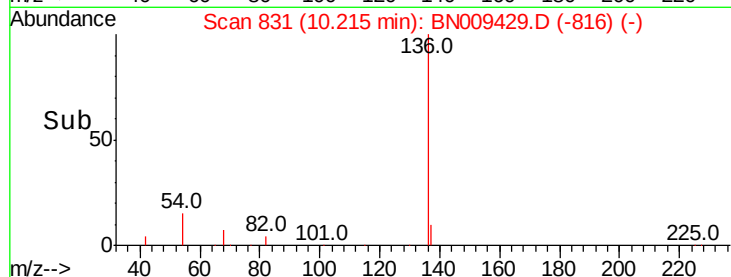


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0



#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

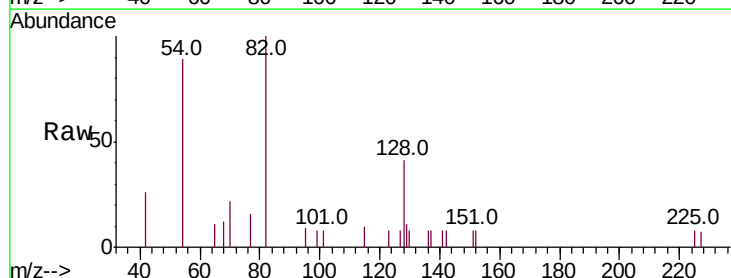
Tgt Ion: 82 Resp: 1474

Ion Ratio Lower Upper

82 100

128 41.4 34.8 52.2

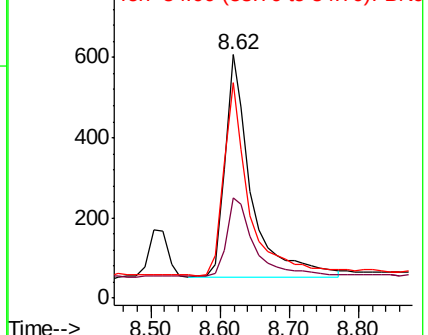
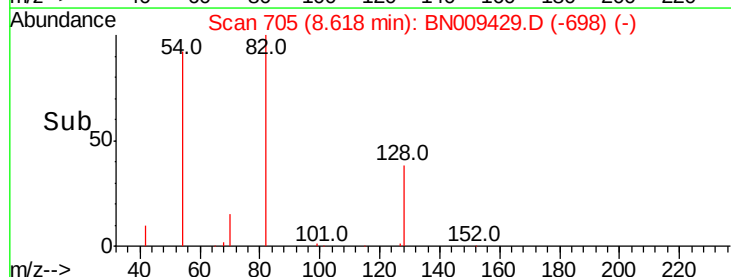
54 88.6 65.8 98.6

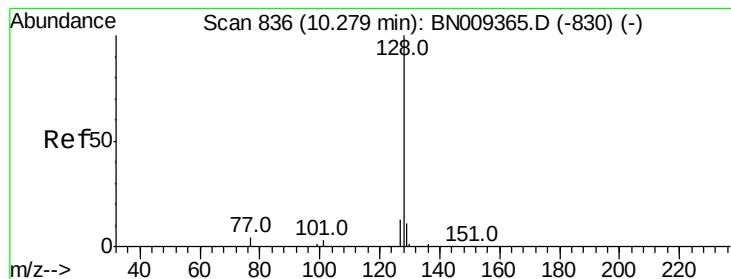


Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0





#9

Naphthalene

Concen: 0.397 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

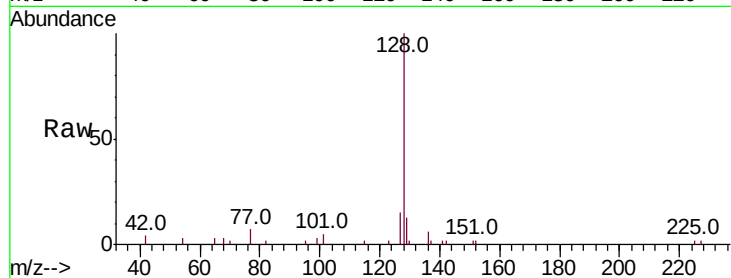
Tot Ion:128 Resp: 5101

Ion Ratio Lower Upper

128 100

129 12.9 10.4 15.6

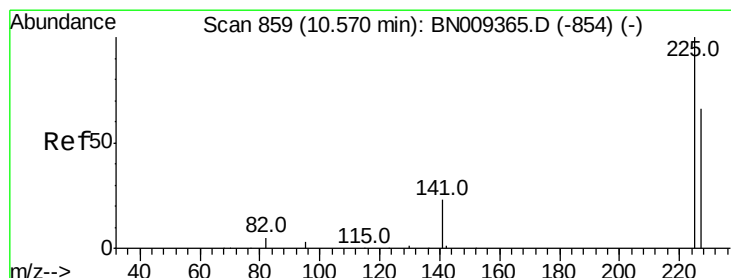
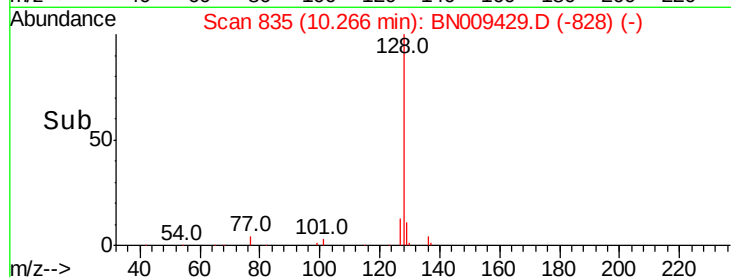
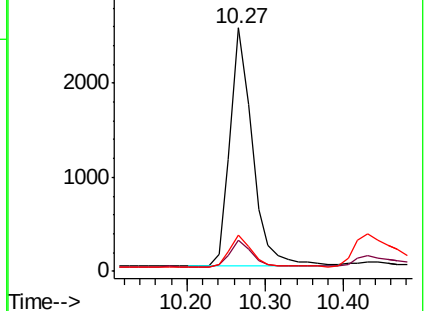
127 15.0 11.4 17.2



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: 0.408 ng

RT: 10.56 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

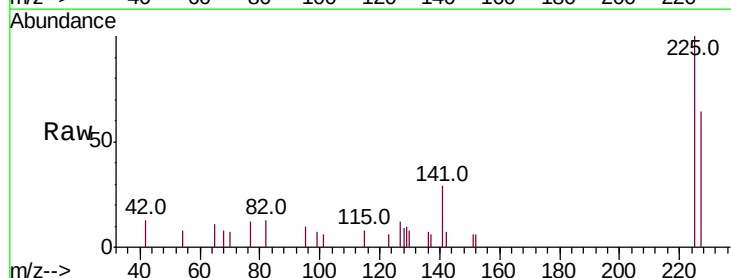
Tgt Ion:225 Resp: 1149

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

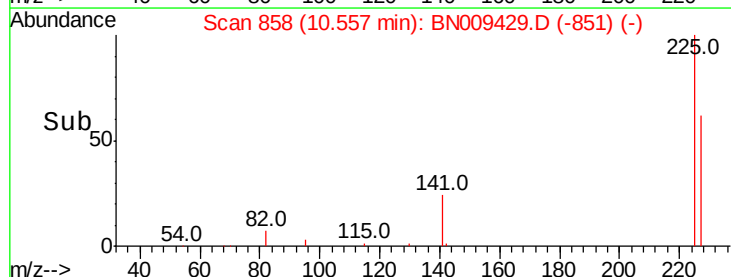
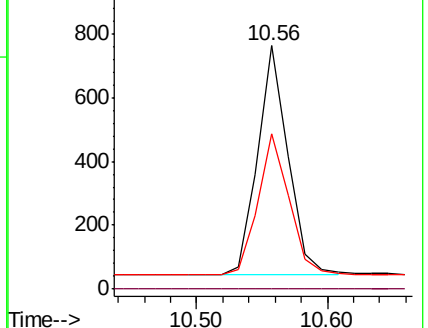
227 63.5 52.6 78.8

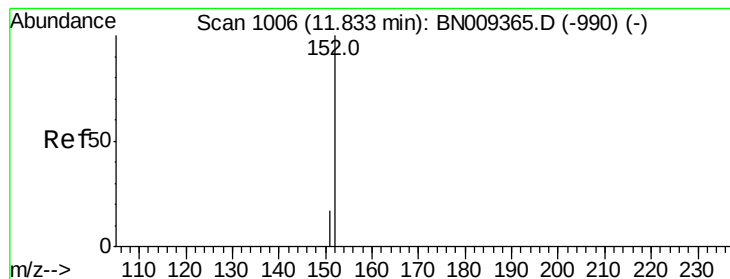


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.336 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

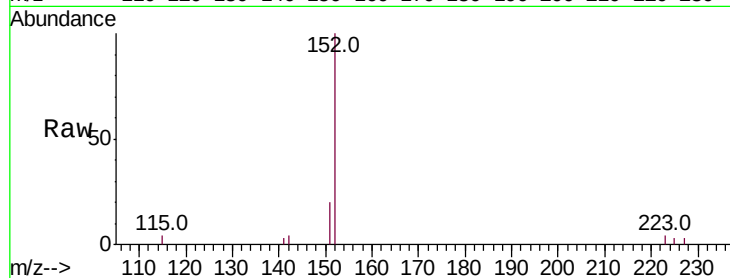
ClientSampleId :

Tot Ion:152 Resp: 3079

Ion Ratio Lower Upper

152 100

151 18.6 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1500

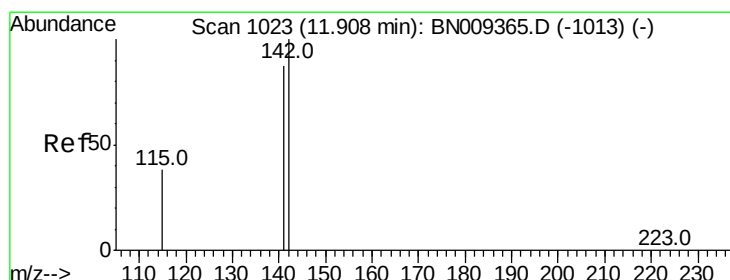
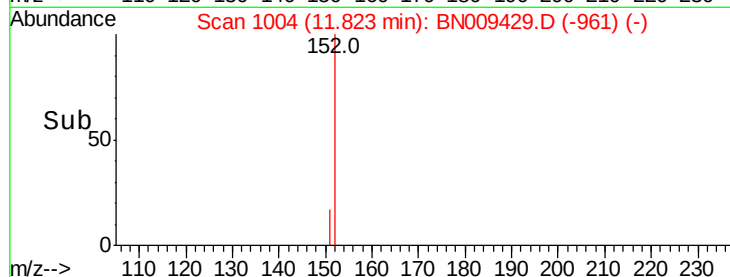
1000

500

0

11.82

Time--> 11.70 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.392 ng

RT: 11.90 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

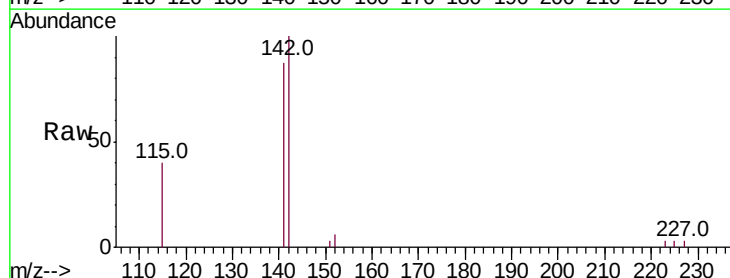
Tgt Ion:142 Resp: 3510

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.6

115 39.9 32.5 48.7



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

2000

1500

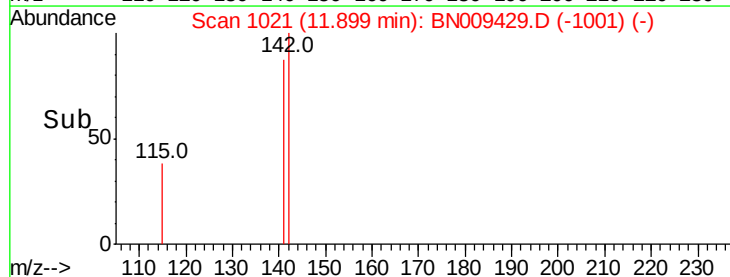
1000

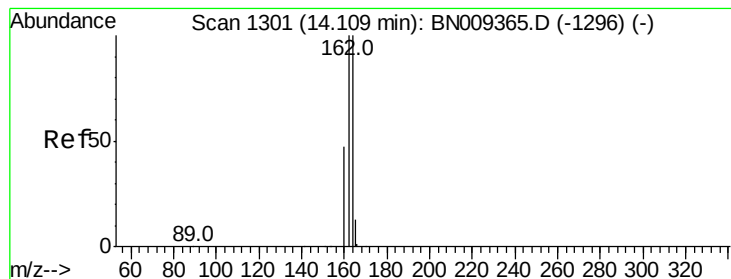
500

0

11.90

Time--> 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.09 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampled :

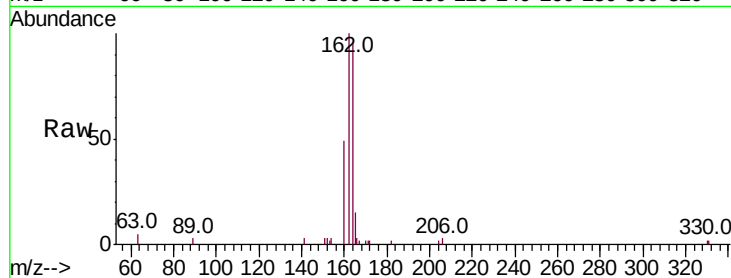
Tot Ion:164 Resp: 3109

Ion Ratio Lower Upper

164 100

162 104.2 79.8 119.6

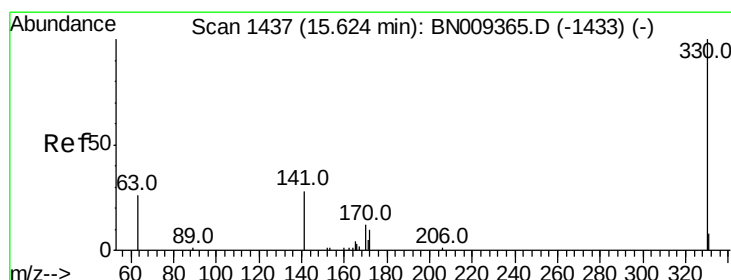
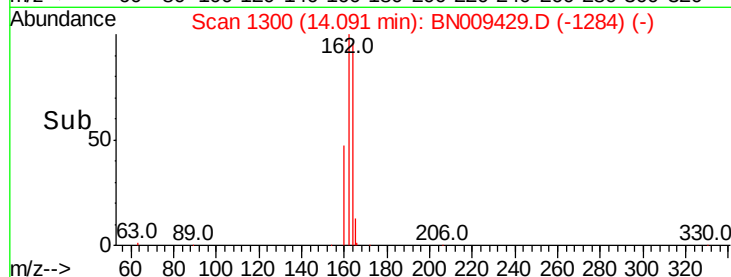
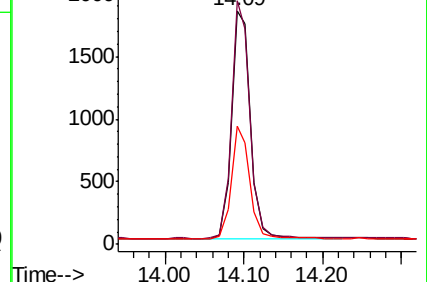
160 50.6 38.4 57.6



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: 0.390 ng

RT: 15.61 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

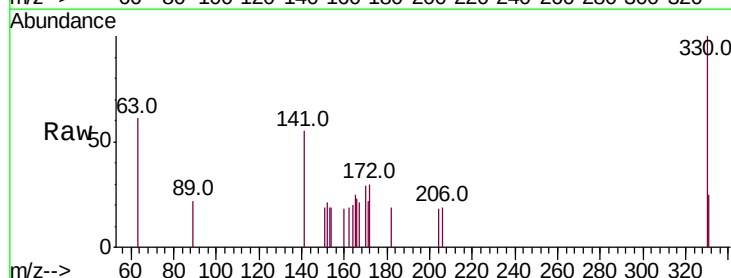
Tgt Ion:330 Resp: 458

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

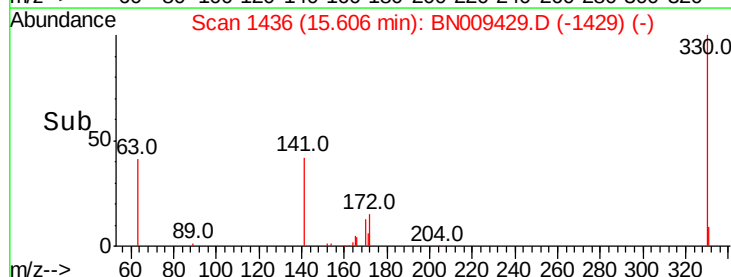
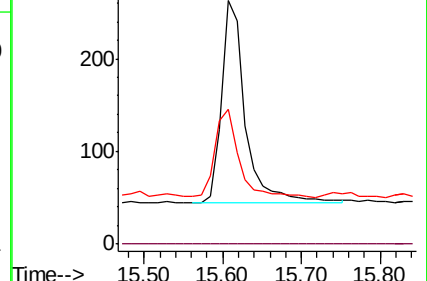
141 44.3 33.1 49.7

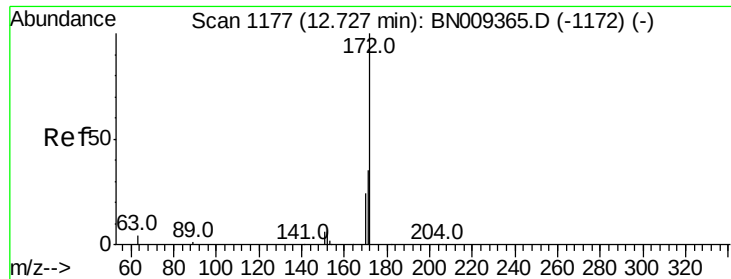


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

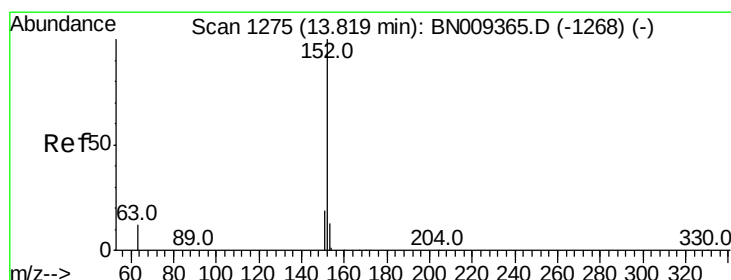
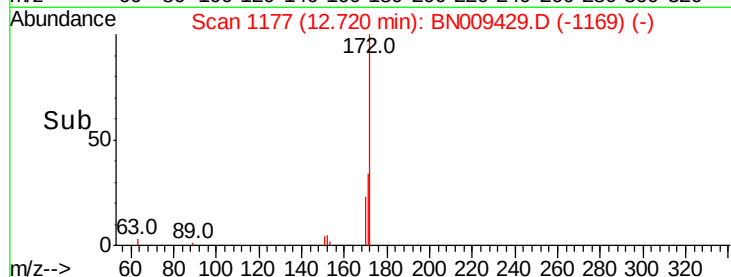
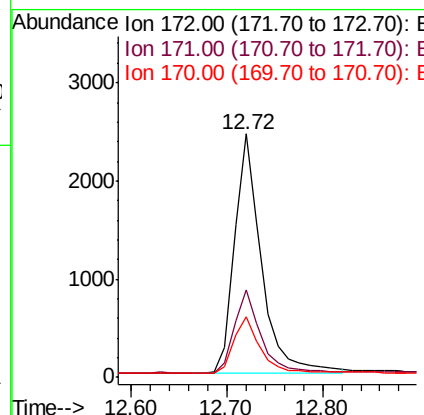
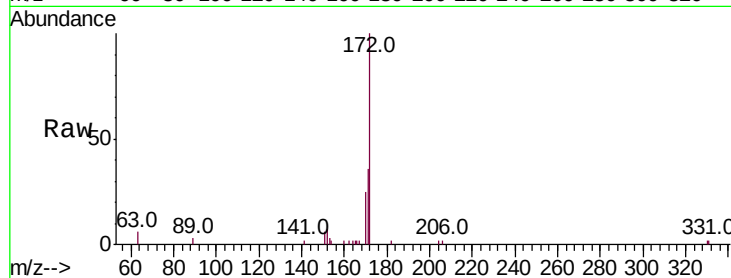




#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009429.D
Acq: 23 Jan 2020 18:28

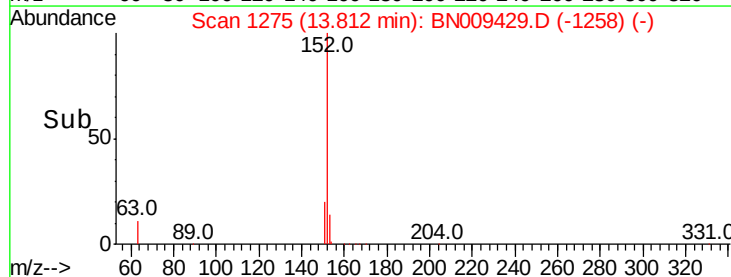
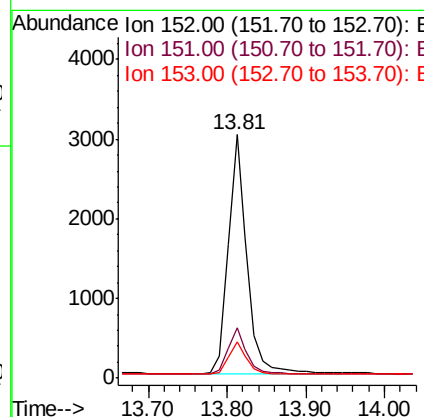
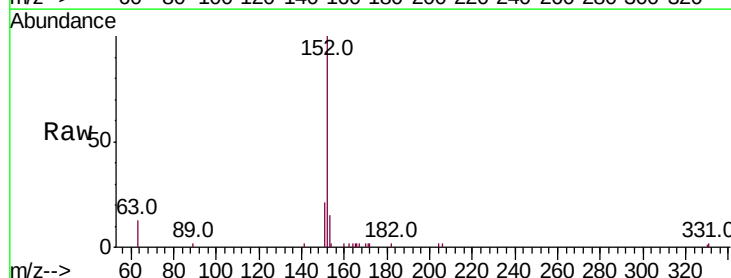
Instrument :
BNA_N
ClientSampleId :

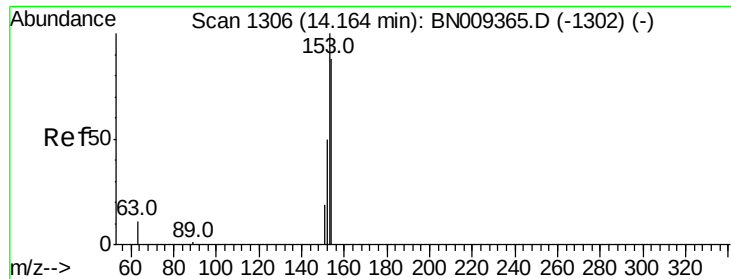
Tot Ion:172 Resp: 4744
Ion Ratio Lower Upper
172 100
171 35.9 29.5 44.3
170 24.6 20.7 31.1



#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009429.D
Acq: 23 Jan 2020 18:28

Tgt Ion:152 Resp: 5055
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.5 10.4 15.6





#17

Acenaphthene

Concen: 0.384 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

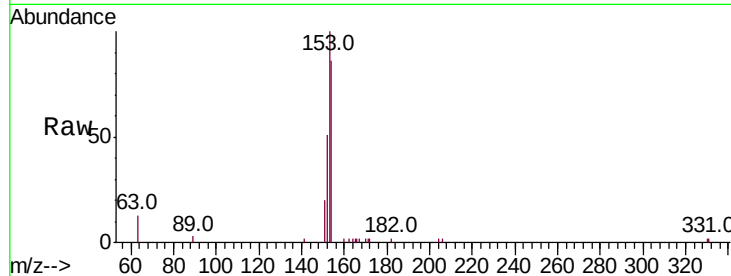
Tot Ion:154 Resp: 3618

Ion Ratio Lower Upper

154 100

153 113.8 90.5 135.7

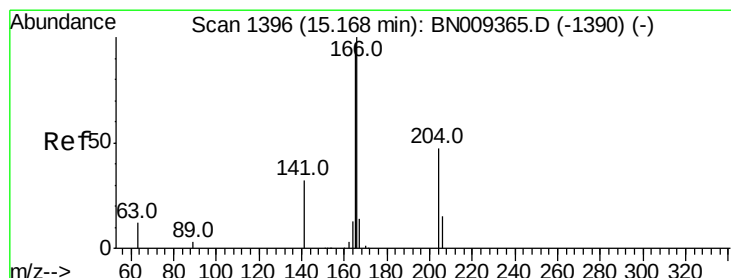
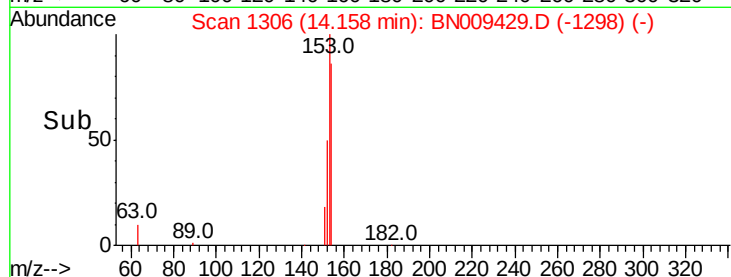
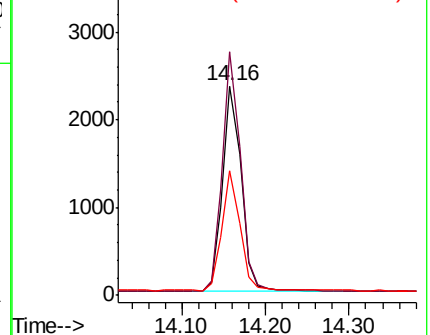
152 57.1 45.3 67.9



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: 0.382 ng

RT: 15.16 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

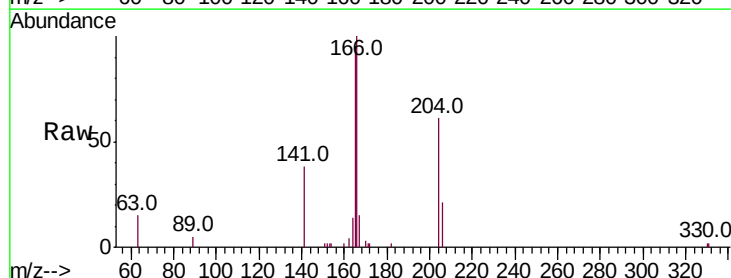
Tgt Ion:166 Resp: 4698

Ion Ratio Lower Upper

166 100

165 97.0 78.2 117.2

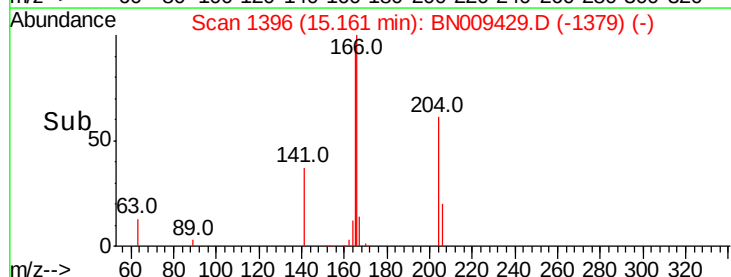
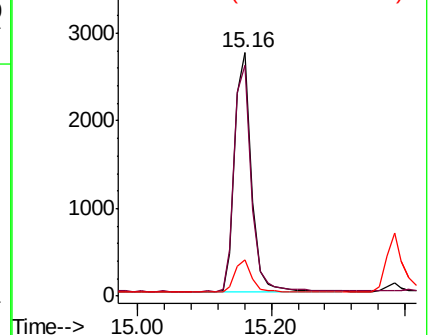
167 13.6 11.0 16.6

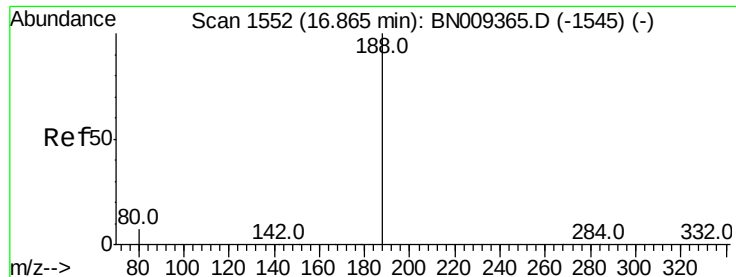


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.85 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

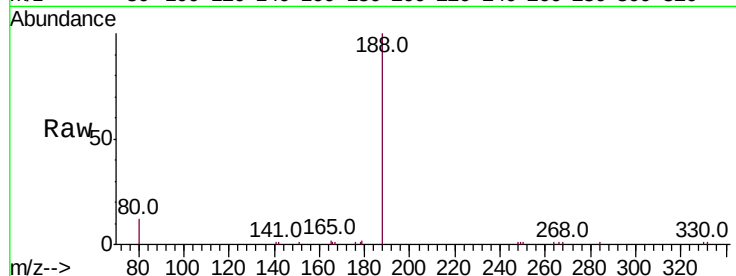
Tot Ion:188 Resp: 6746

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

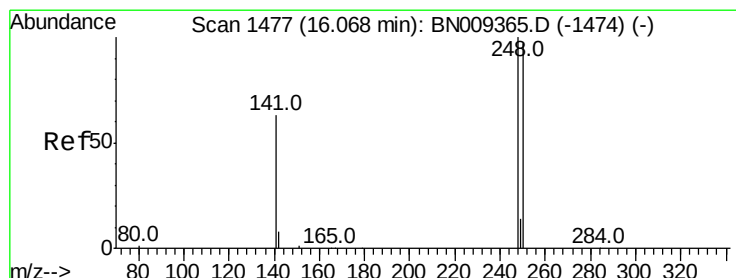
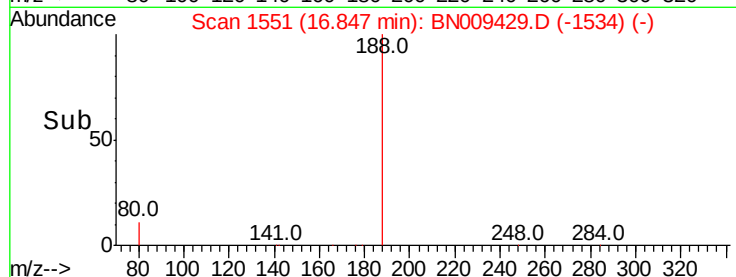
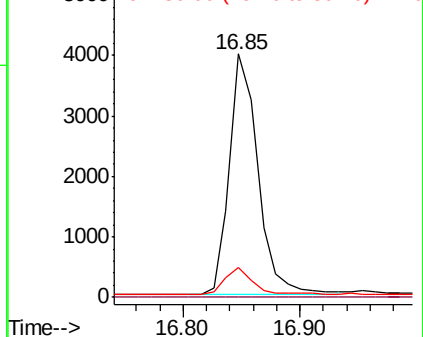
80 12.2 6.6 10.0#



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: 0.377 ng

RT: 16.06 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

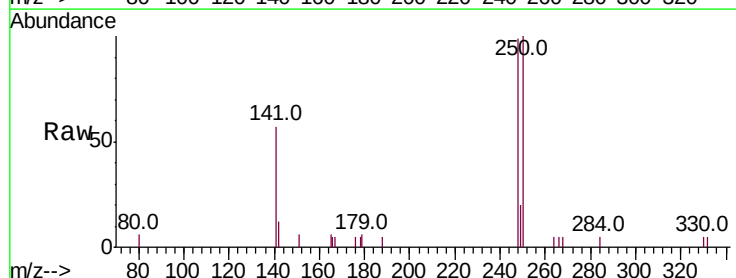
Tgt Ion:248 Resp: 1533

Ion Ratio Lower Upper

248 100

250 100.9 77.8 116.8

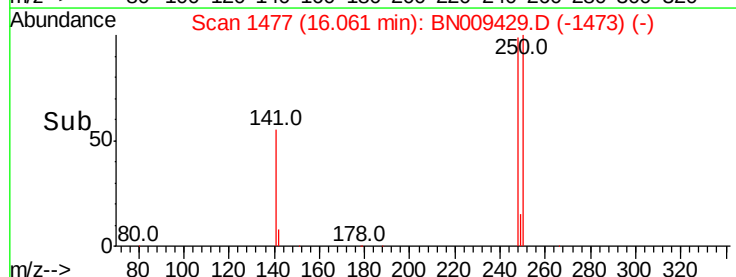
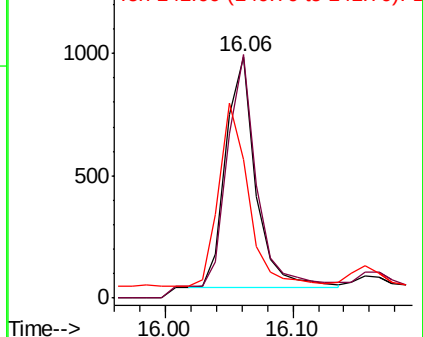
141 57.5 53.4 80.0

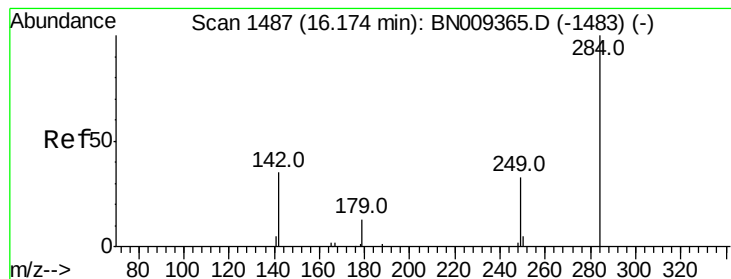


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.388 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

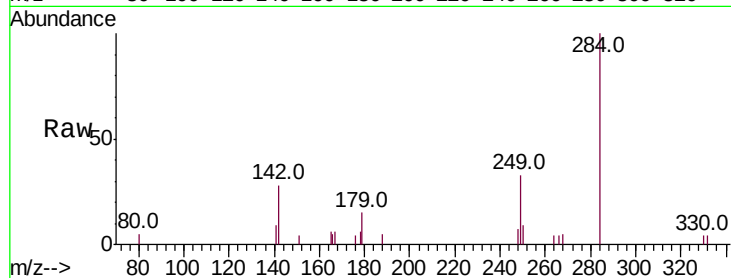
Tot Ion:284 Resp: 1677

Ion Ratio Lower Upper

284 100

142 40.8 33.8 50.8

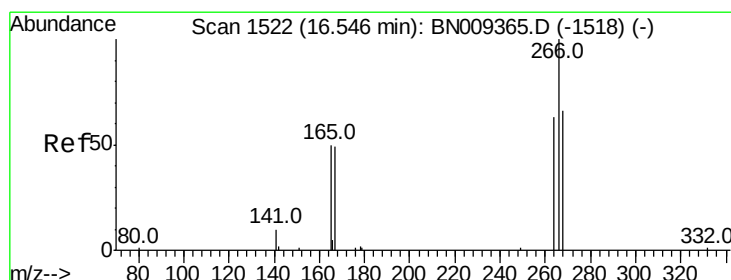
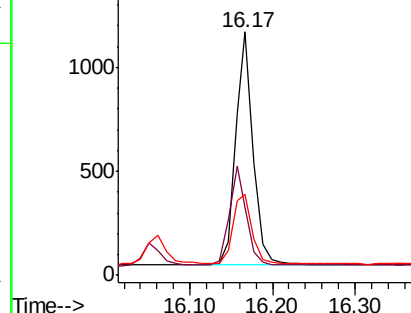
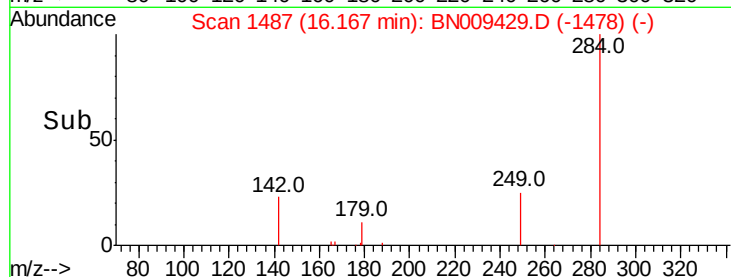
249 32.6 27.0 40.4



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: 0.415 ng

RT: 16.53 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

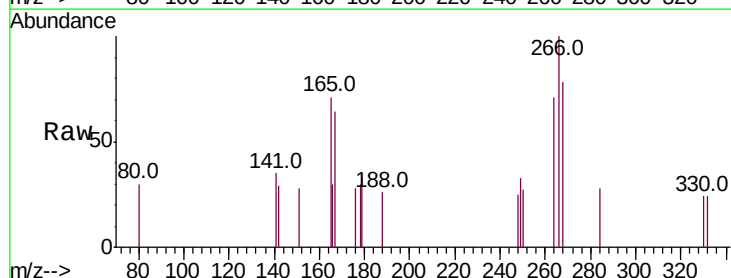
Tgt Ion:266 Resp: 409

Ion Ratio Lower Upper

266 100

264 71.2 57.8 86.6

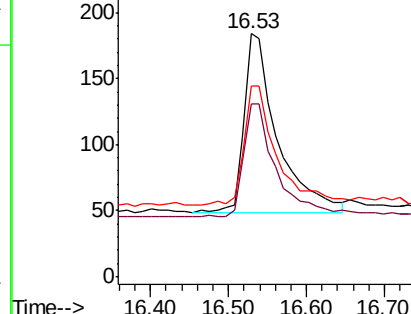
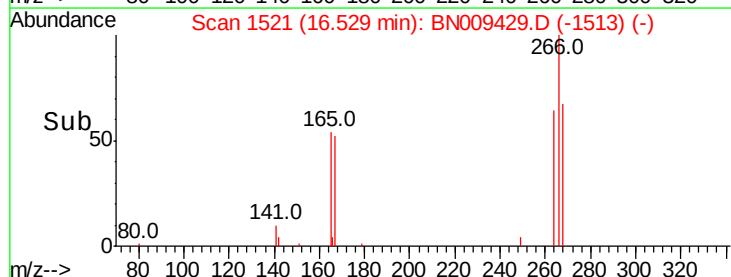
268 78.3 63.8 95.6

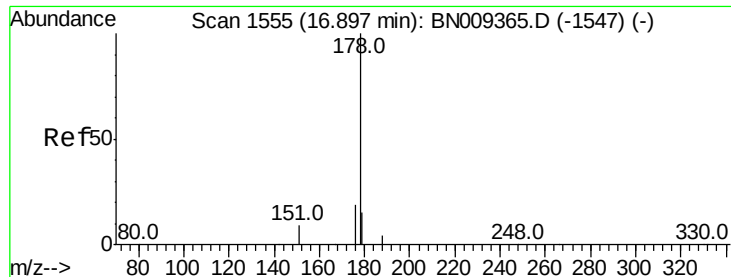


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.377 ng

RT: 16.89 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

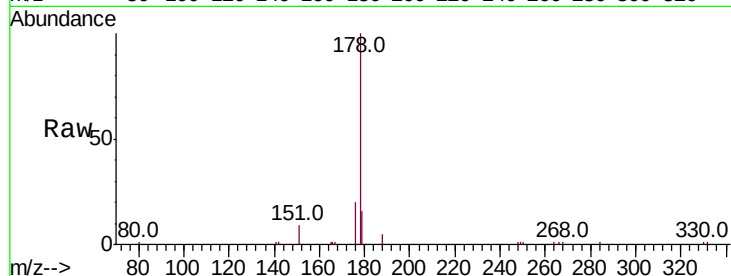
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 7650

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.3	12.3	18.5

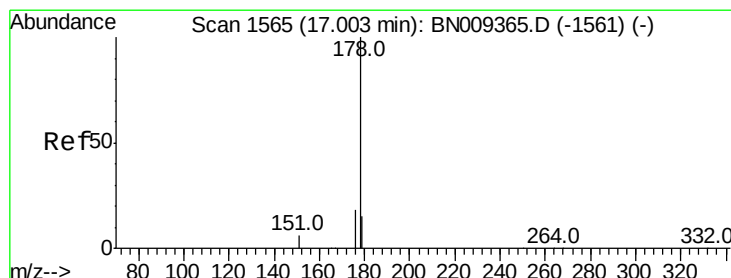
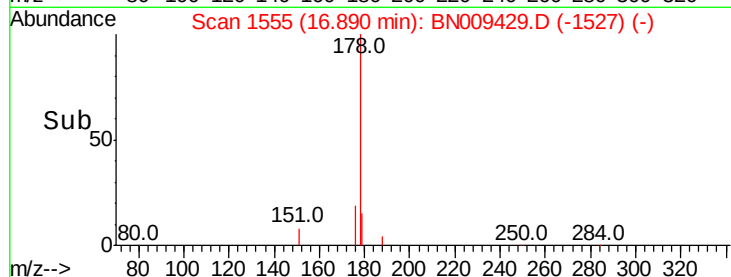
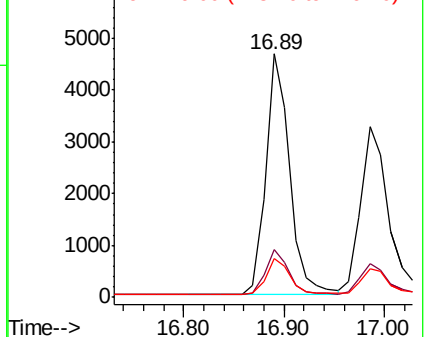


Abundance

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: 0.376 ng

RT: 16.99 min Scan# 1564

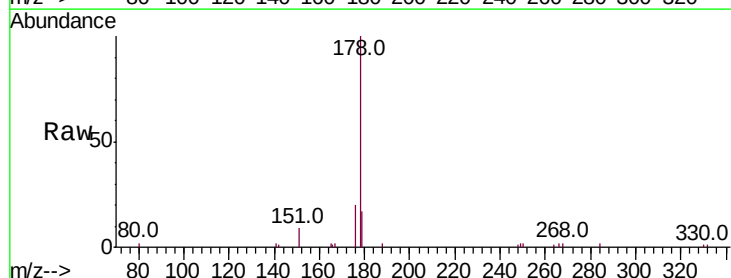
Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Tgt Ion:178 Resp: 6402

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	14.9	12.5	18.7

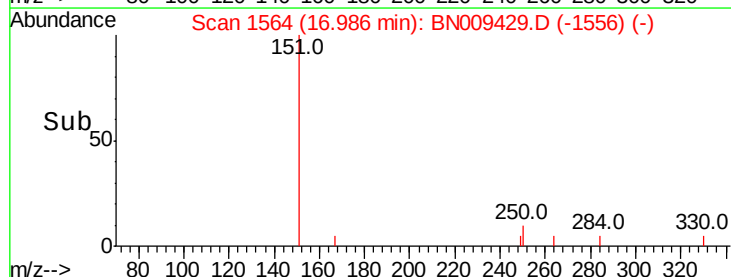
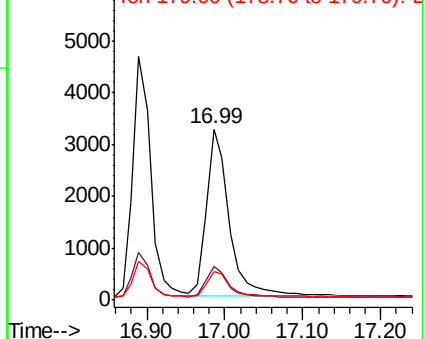


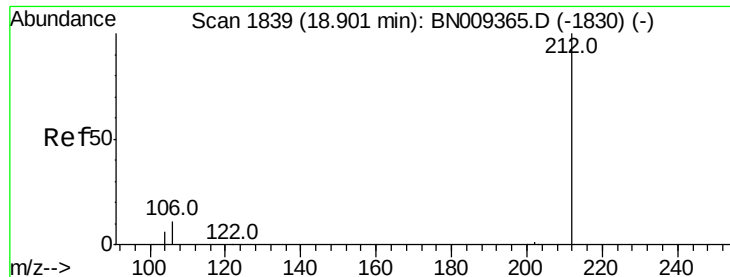
Abundance

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: 0.307 ng

RT: 18.89 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BN009429.D

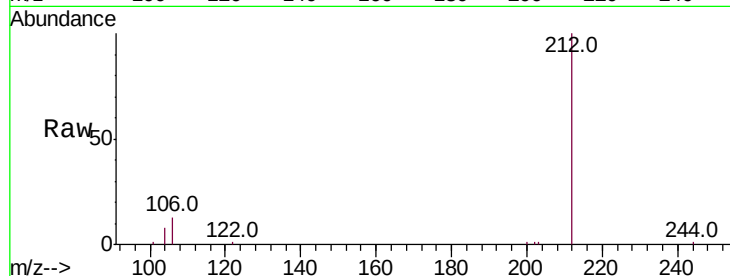
Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

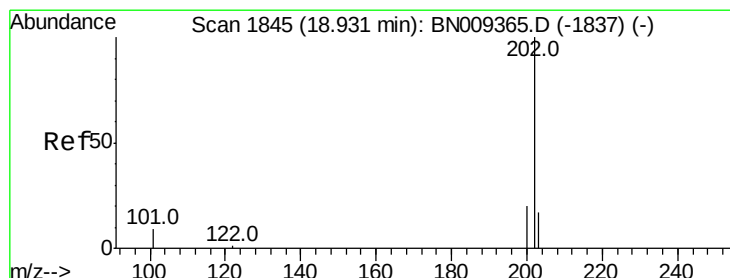
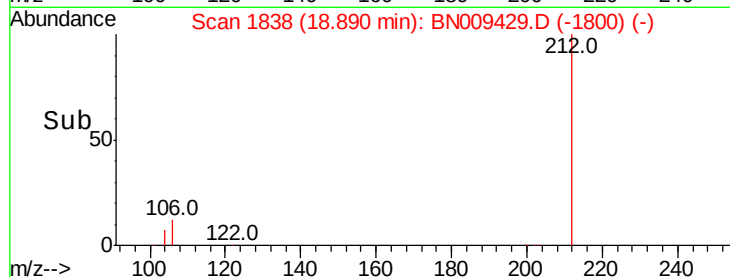
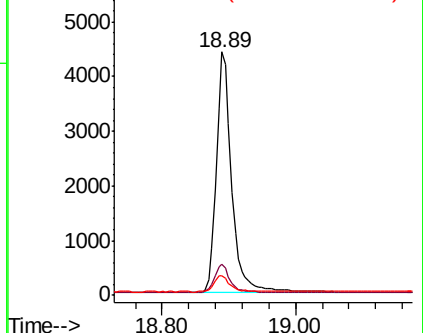
Tot Ion:212	Resp:	7103
Ion Ratio	Lower	Upper
212	100	
106	11.5	9.2 13.8
104	6.9	5.4 8.0



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: 0.370 ng

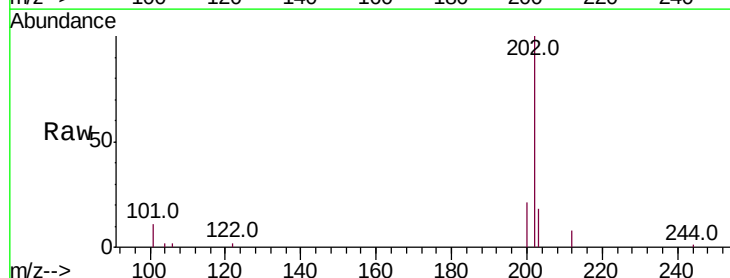
RT: 18.92 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

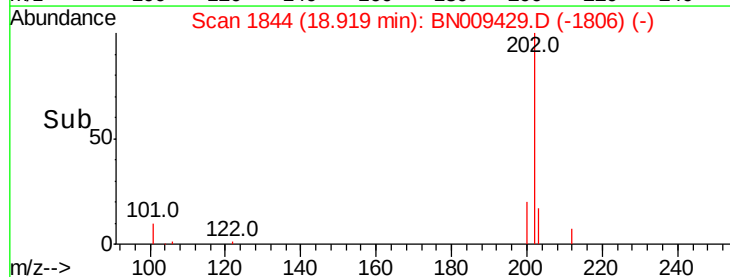
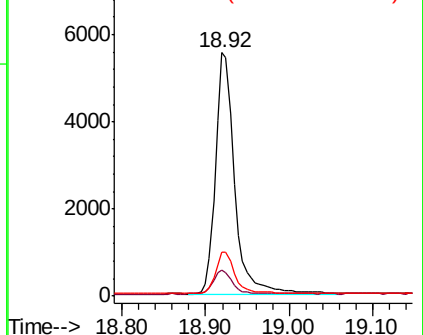
Tgt Ion:202	Resp:	8794
Ion Ratio	Lower	Upper
202	100	
101	9.9	8.0 12.0
203	17.0	13.5 20.3

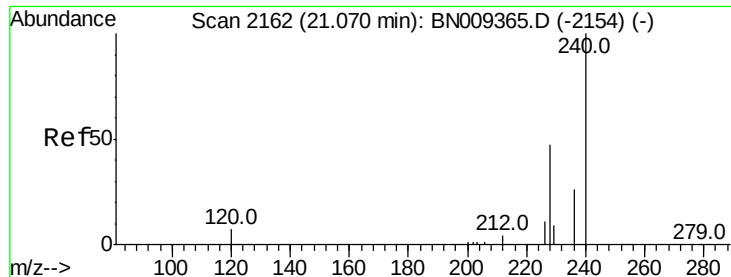


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

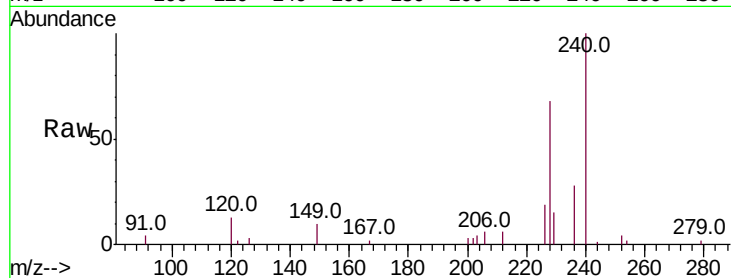
Tot Ion:240 Resp: 5947

Ion Ratio Lower Upper

240 100

120 13.4 8.1 12.1#

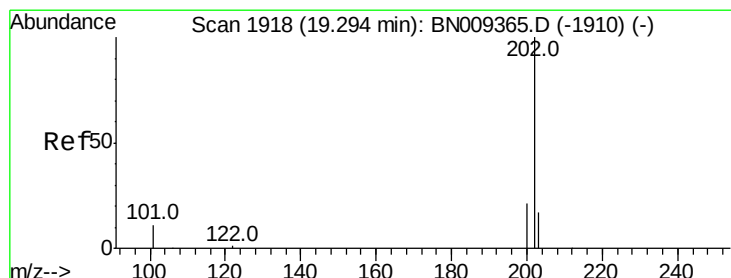
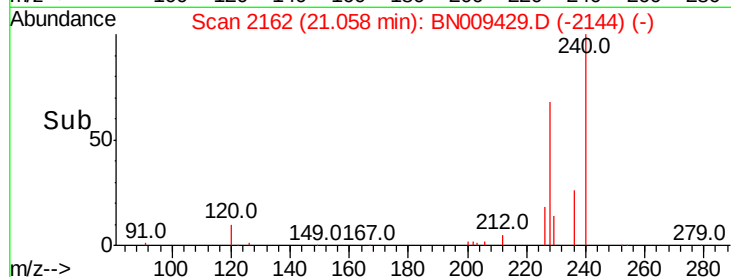
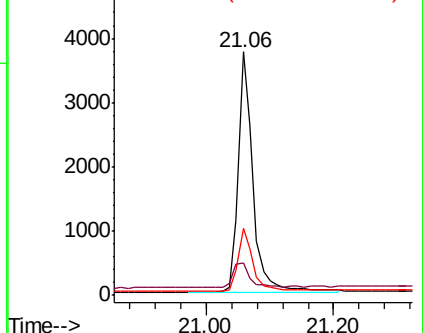
236 27.7 22.2 33.4



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: 0.397 ng

RT: 19.29 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

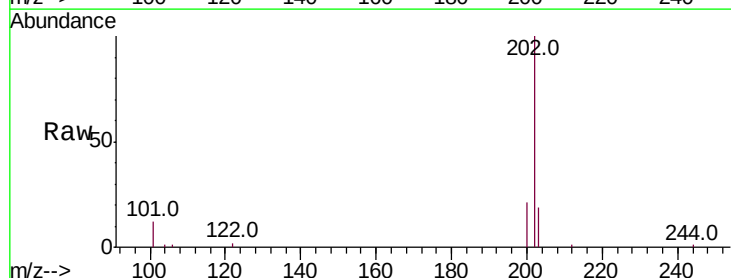
Tgt Ion:202 Resp: 8940

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

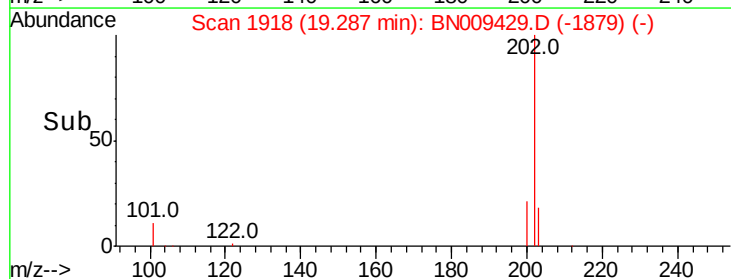
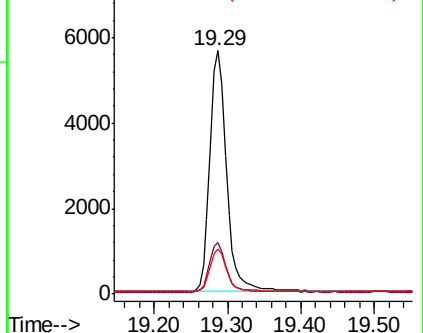
203 17.3 14.1 21.1

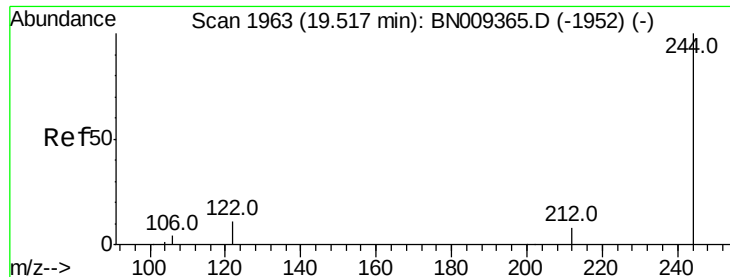


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.404 ng

RT: 19.51 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

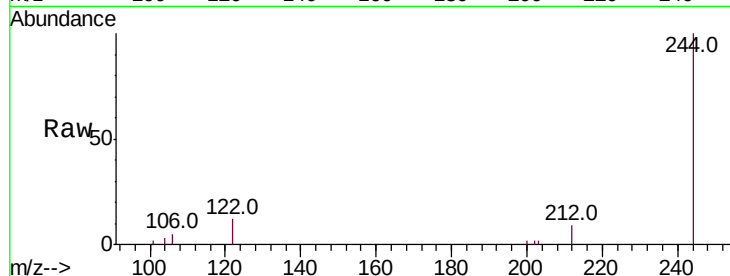
Tot Ion:244 Resp: 5691

Ion Ratio Lower Upper

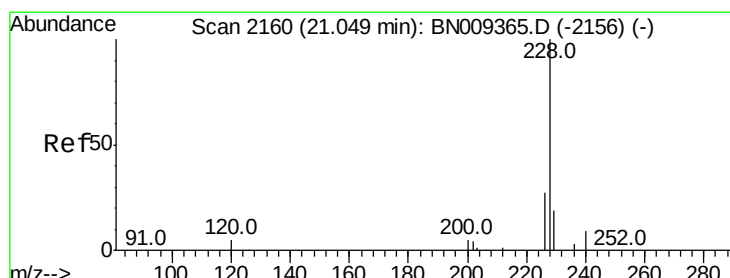
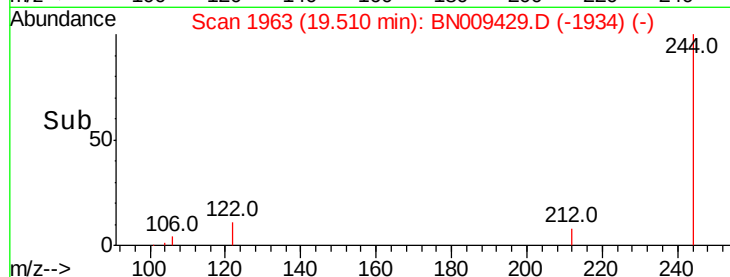
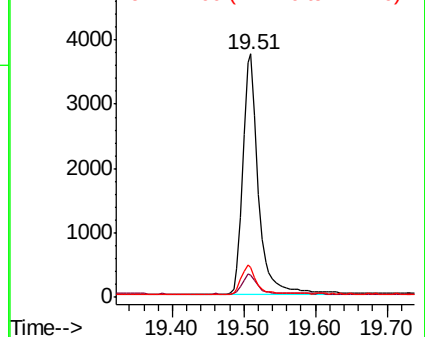
244 100

212 9.3 7.5 11.3

122 12.0 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: 0.373 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

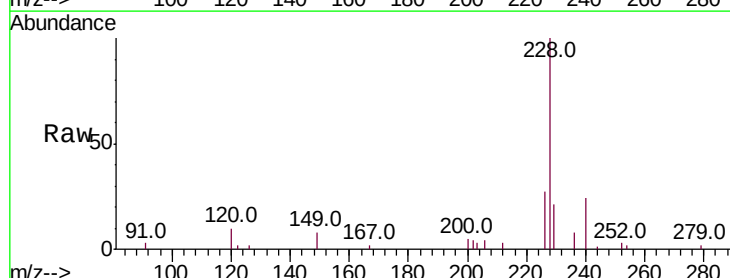
Tgt Ion:228 Resp: 7290

Ion Ratio Lower Upper

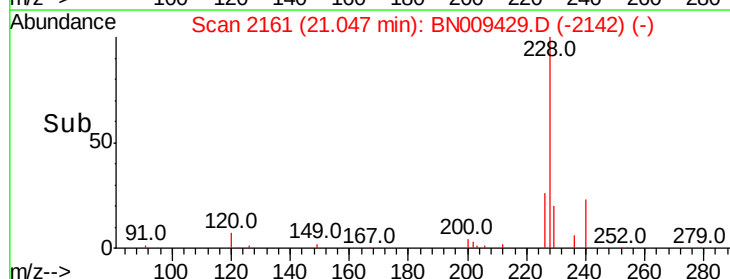
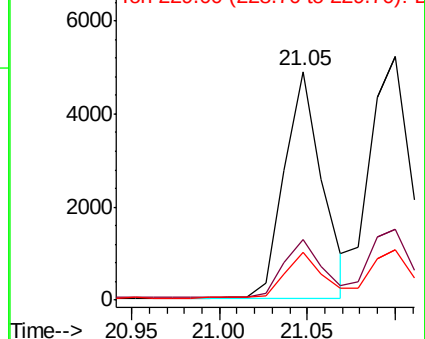
228 100

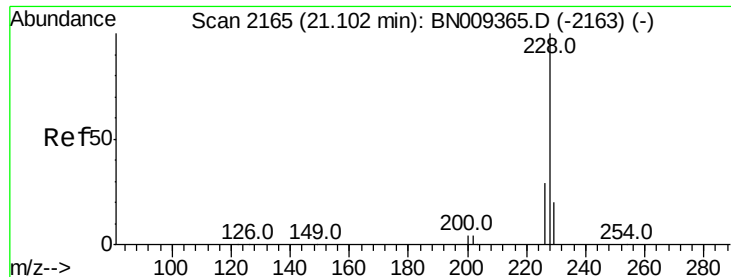
226 26.6 22.5 33.7

229 20.7 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: 0.395 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

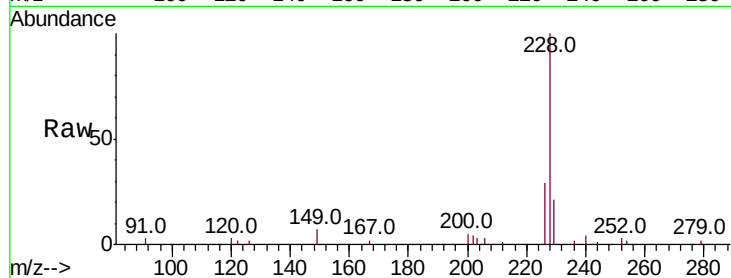
Tot Ion:228 Resp: 8832

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

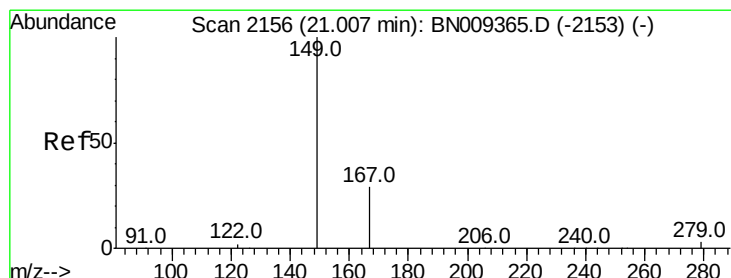
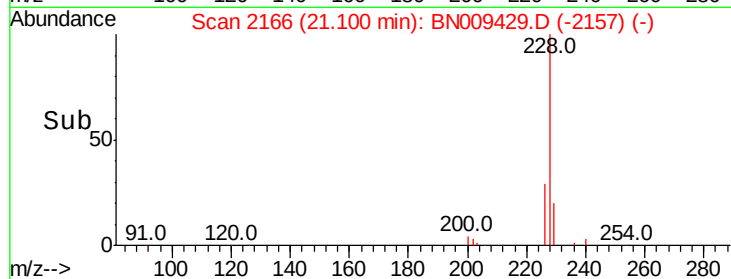
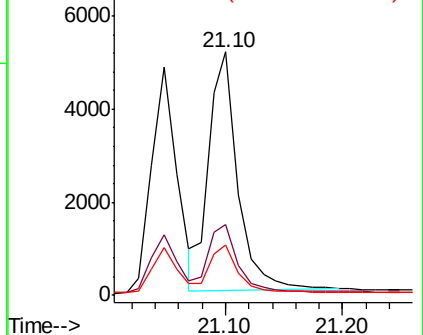
229 20.8 16.6 24.8



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: 0.414 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

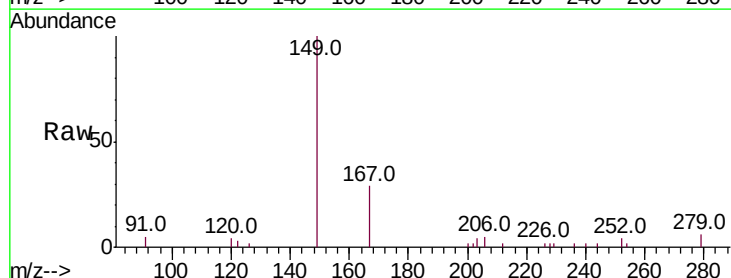
Tgt Ion:149 Resp: 3576

Ion Ratio Lower Upper

149 100

167 27.7 22.9 34.3

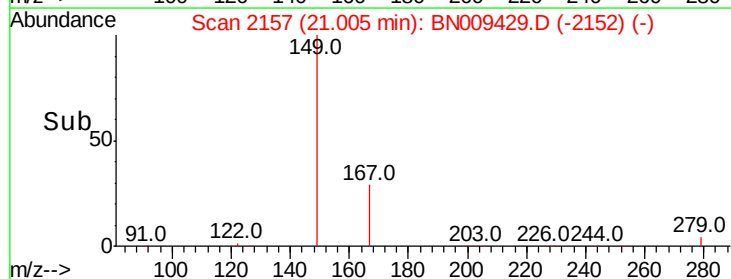
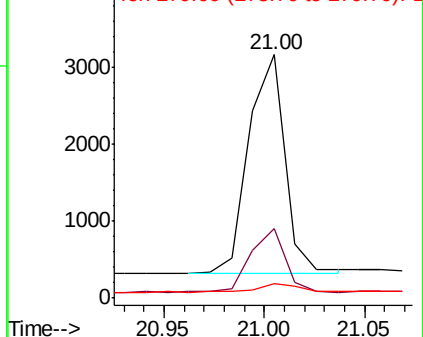
279 4.3 3.4 5.0

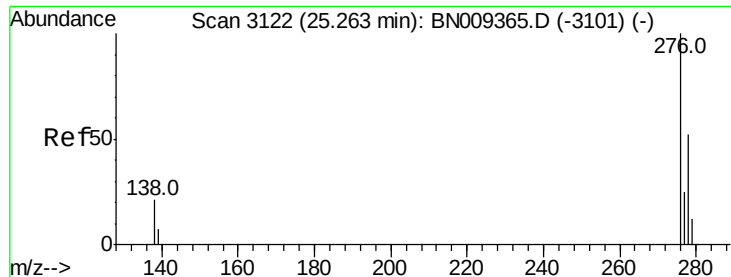


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

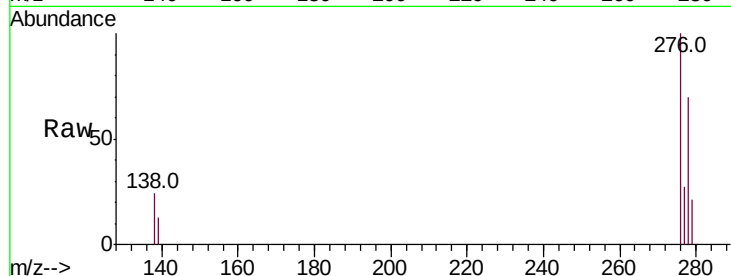




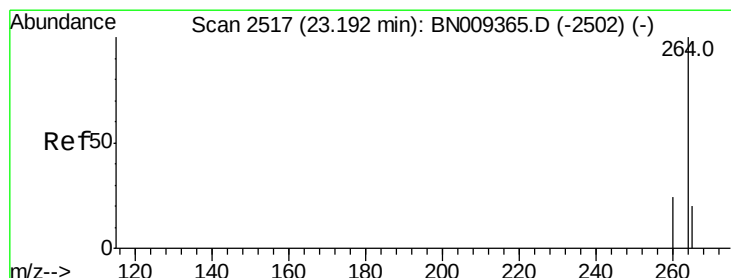
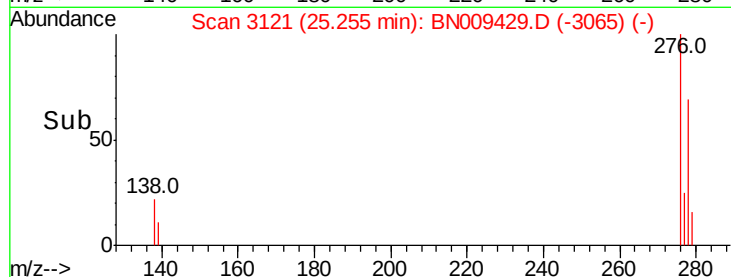
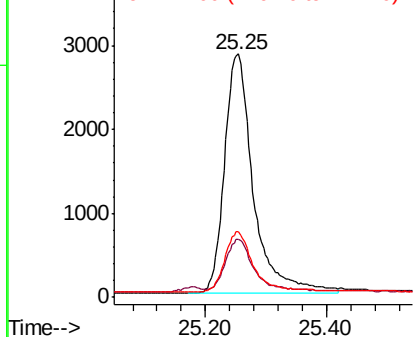
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.406 ng
 RT: 25.25 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BN009429.D
 Acq: 23 Jan 2020 18:28

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 9437
 Ion Ratio Lower Upper
 276 100
 138 19.0 15.9 23.9
 277 24.7 19.8 29.6

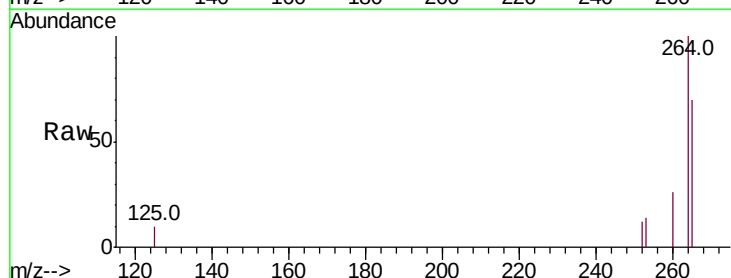


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

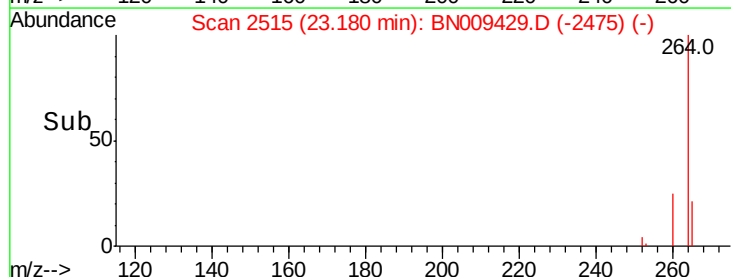
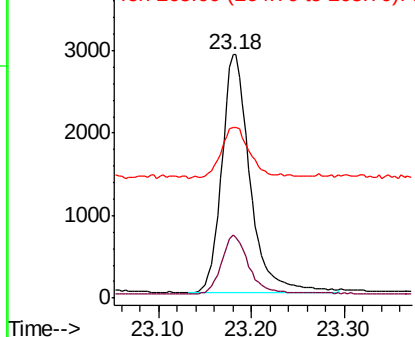


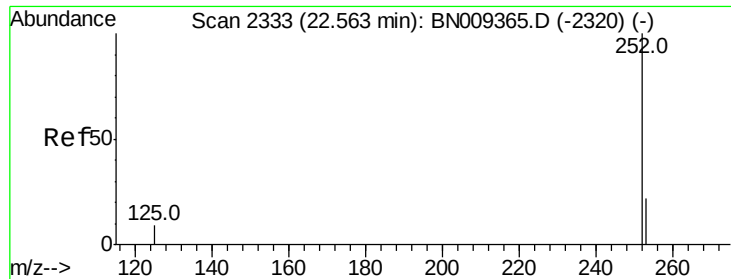
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.18 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BN009429.D
 Acq: 23 Jan 2020 18:28

Tgt Ion:264 Resp: 6141
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.1 30.1
 265 70.2 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: 0.368 ng

RT: 22.56 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

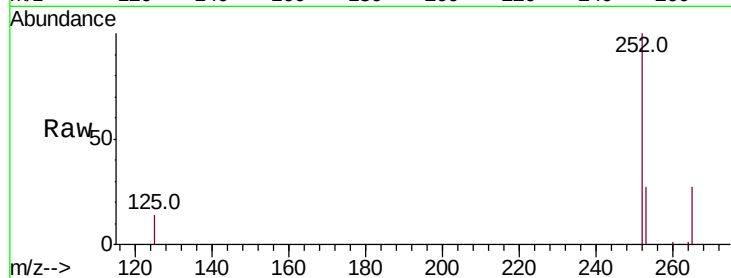
Tot Ion:252 Resp: 8310

Ion Ratio Lower Upper

252 100

253 27.1 22.4 33.6

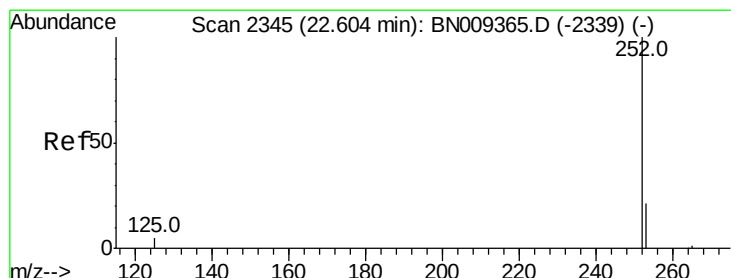
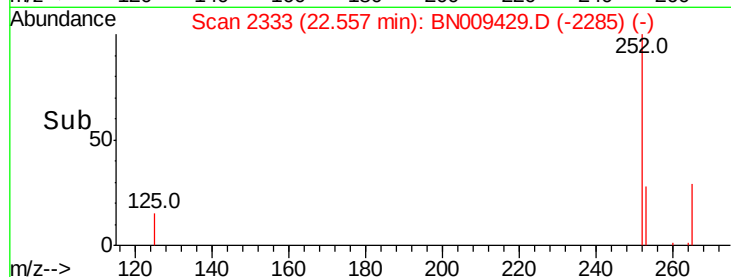
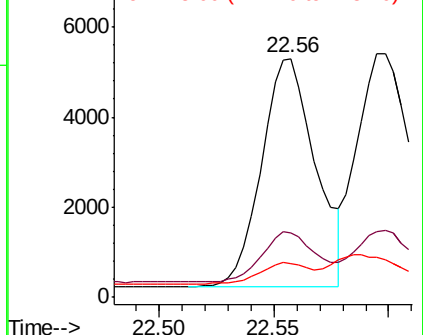
125 14.2 11.6 17.4



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: 0.365 ng

RT: 22.60 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

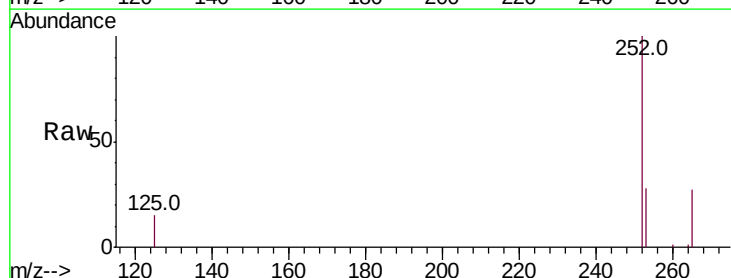
Tgt Ion:252 Resp: 9106

Ion Ratio Lower Upper

252 100

253 27.8 21.9 32.9

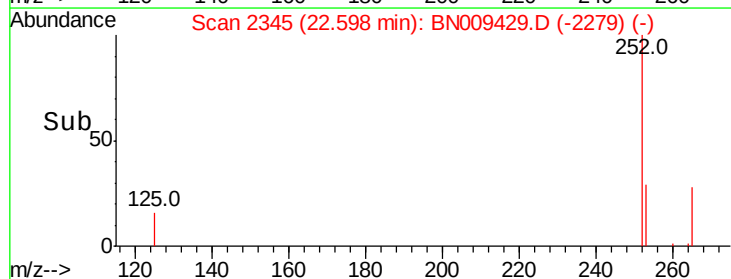
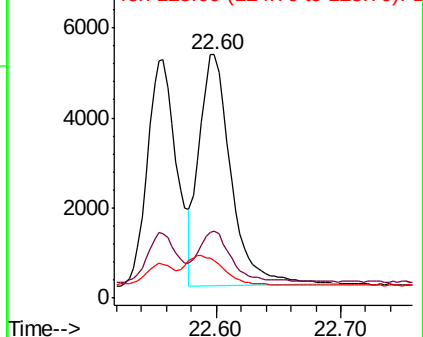
125 15.3 12.0 18.0

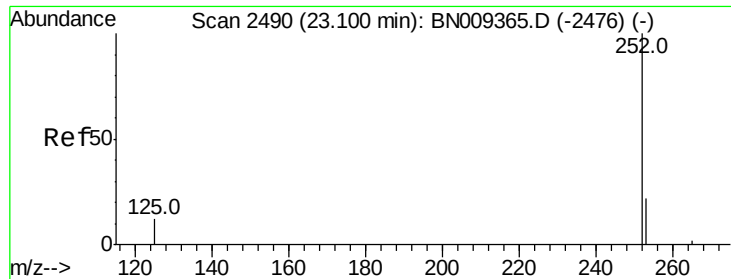


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 23.09 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

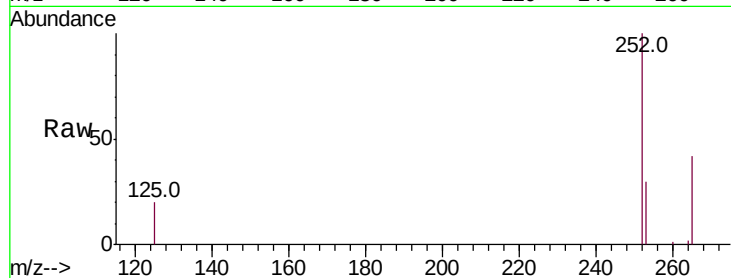
Tot Ion:252 Resp: 7651

Ion Ratio Lower Upper

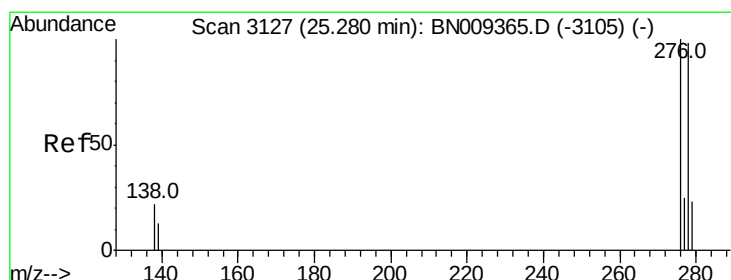
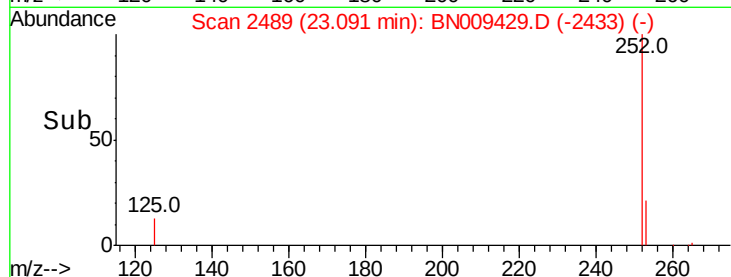
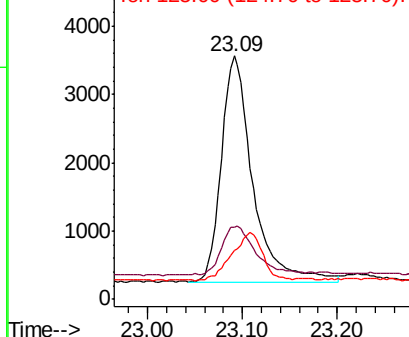
252 100

253 29.7 25.4 38.0

125 20.1 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: 0.371 ng

RT: 25.26 min Scan# 3123

Delta R.T. -0.02 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

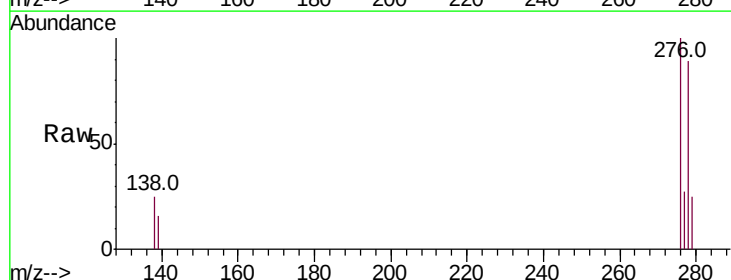
Tgt Ion:278 Resp: 7414

Ion Ratio Lower Upper

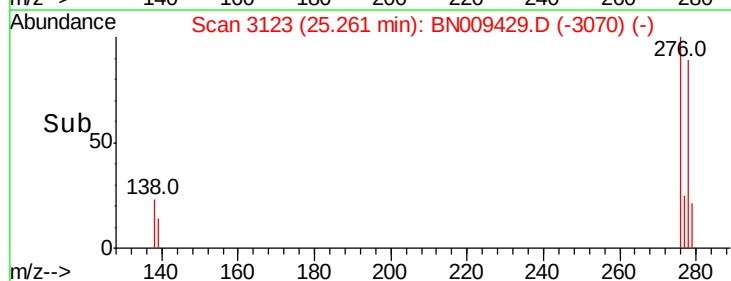
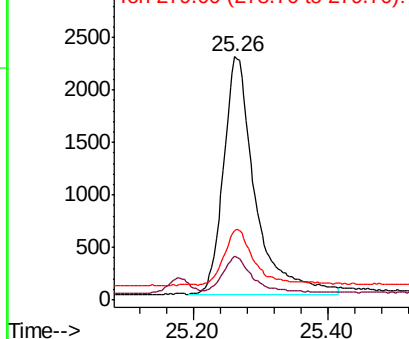
278 100

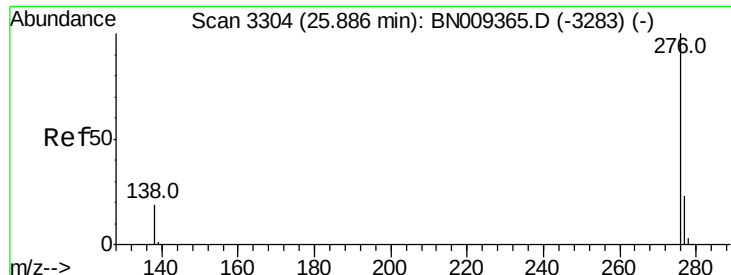
139 17.9 14.5 21.7

279 28.6 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: 0.367 ng

RT: 25.87 min Scan# 3302

Delta R.T. -0.01 min

Lab File: BN009429.D

Acq: 23 Jan 2020 18:28

Instrument :

BNA_N

ClientSampleId :

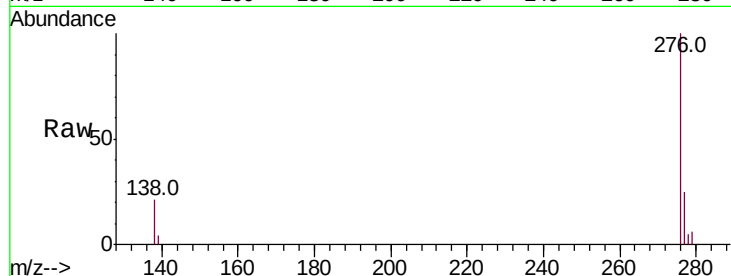
Tot Ion:276 Resp: 8084

Ion Ratio Lower Upper

276 100

277 25.4 20.6 30.8

138 21.3 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

