

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007298.D
 Acq On : 21 Aug 2019 19:58
 Operator : HP/JU
 Sample : K4440-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 22 05:00:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	6449	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	24867	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	14675	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	32916	0.40	ng	0.00
27) Chrysene-d12	21.04	240	41791	0.40	ng	0.00
34) Perylene-d12	23.15	264	56673	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	7718	0.39	ng	0.00
5) Phenol-d6	6.61	99	9767	0.43	ng	0.00
8) Nitrobenzene-d5	8.54	82	6933	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	15576	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3269	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	19840	0.32	ng	0.00
25) Fluoranthene-d10	18.85	212	34207	0.33	ng	0.00
29) Terphenyl-d14	19.47	244	35002	0.33	ng	0.00

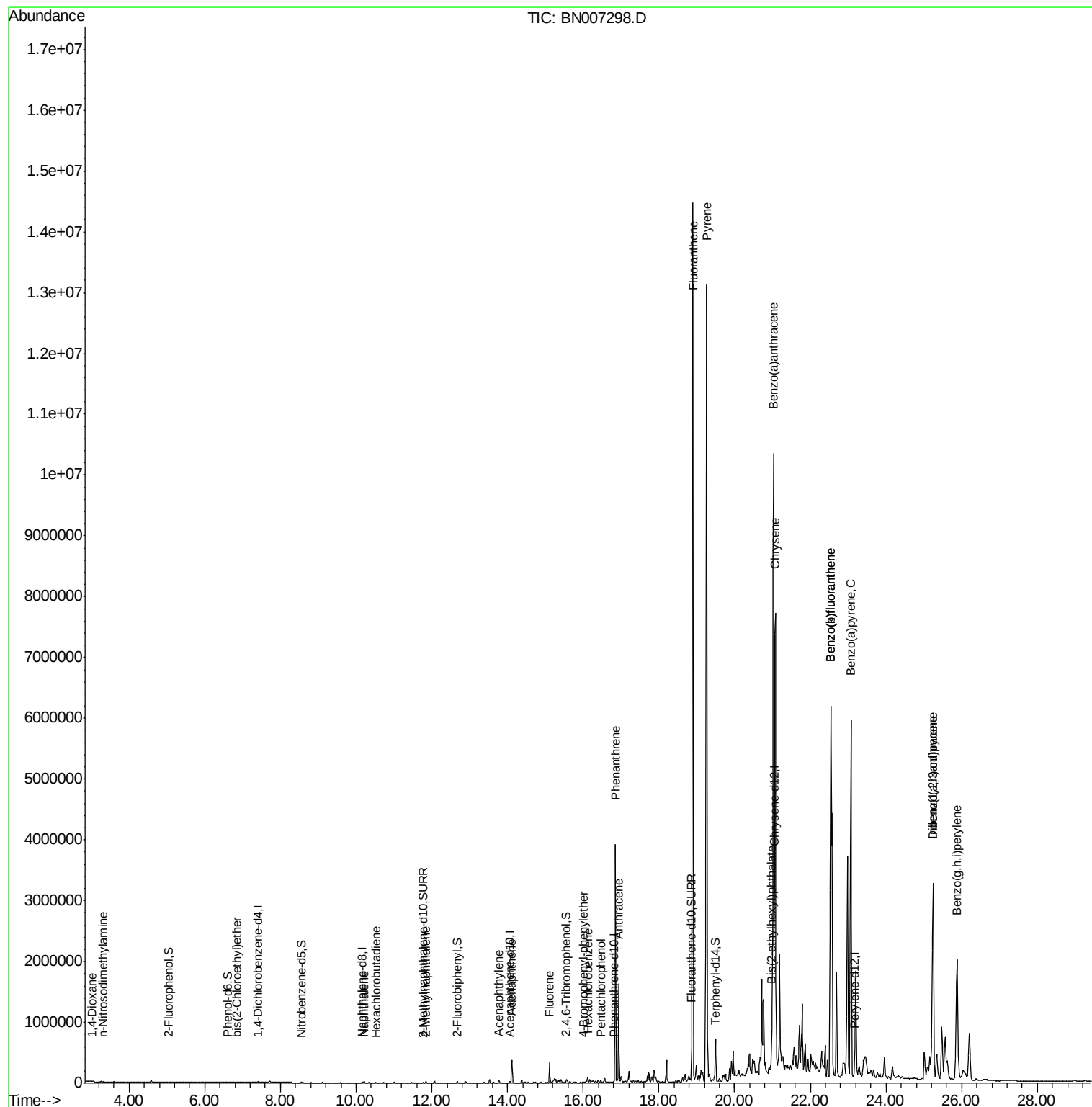
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.01	88	2416	0.264	ng	# 56
3) n-Nitrosodimethylamine	3.32	42	1992	0.325	ng	# 86
6) bis(2-Chloroethyl)ether	6.85	93	7742	0.406	ng	97
9) Naphthalene	10.22	128	33657	0.478	ng	100
10) Hexachlorobutadiene	10.52	225	5398	0.347	ng	# 99
12) 2-Methylnaphthalene	11.84	142	23587	0.483	ng	98
16) Acenaphthylene	13.77	152	52161	0.670	ng	97
17) Acenaphthene	14.11	154	203359	4.101	ng	99
18) Fluorene	15.12	166	217617	3.359	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	7512	0.398	ng	# 77
21) Hexachlorobenzene	16.12	284	7310	0.335	ng	95
22) Pentachlorophenol	16.48	266	8097	0.925	ng	99
23) Phenanthrene	16.85	178	4169847	40.418	ng	99
24) Anthracene	16.94	178	1661396	17.885	ng	98
26) Fluoranthene	18.89	202	14274595	114.230	ng	# 93
28) Pyrene	19.26	202	13805098	88.338	ng	# 85
30) Benzo(a)anthracene	21.03	228	10345871	66.577	ng	94
31) Chrysene	21.08	228	7357525	46.396	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.98	149	65766	1.059	ng	97
33) Indeno(1,2,3-cd)pyrene	25.24	276	4783400	25.068	ng	96
35) Benzo(b)fluoranthene	22.54	252	10792916	51.084	ng	97
36) Benzo(k)fluoranthene	22.54	252	10792916	52.144	ng	97
37) Benzo(a)pyrene	23.07	252	8154723	42.826	ng	96
38) Dibenzo(a,h)anthracene	25.24	278	1498224	7.490	ng	95
39) Benzo(g,h,i)perylene	25.87	276	4236250	20.951	ng	98

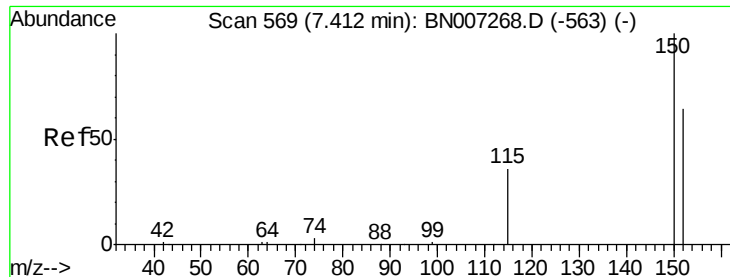
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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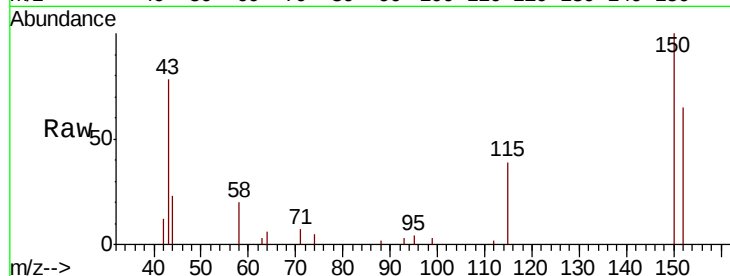


#1

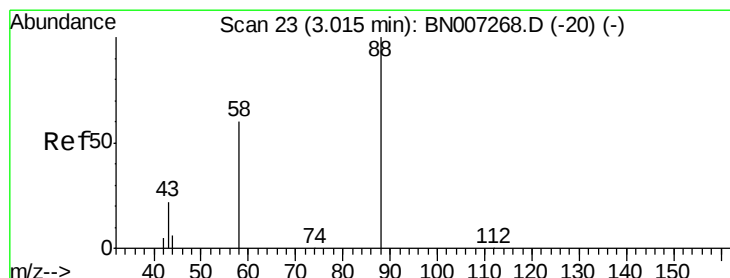
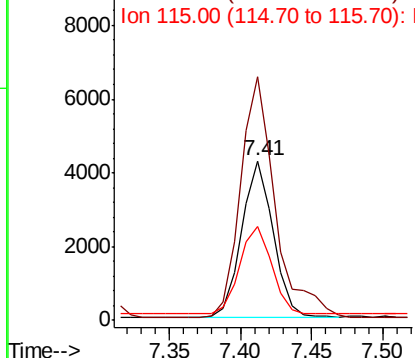
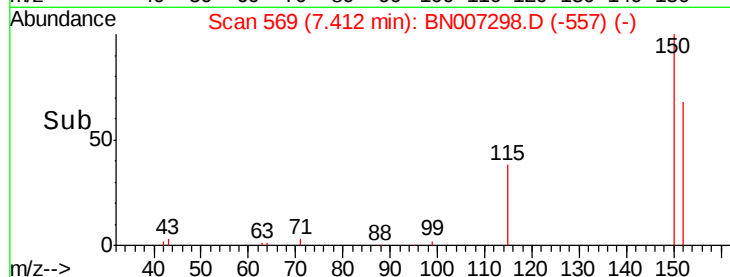
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 6449
Ion Ratio Lower Upper
152 100
150 152.7 123.8 185.8
115 58.9 47.3 70.9



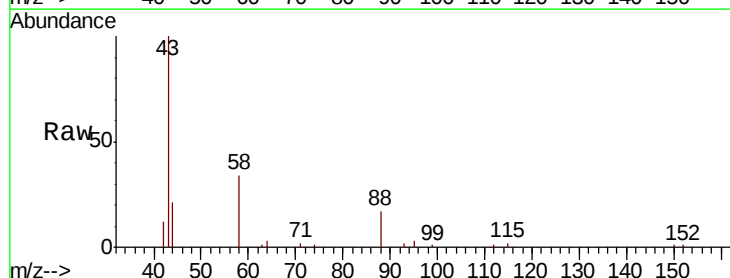
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



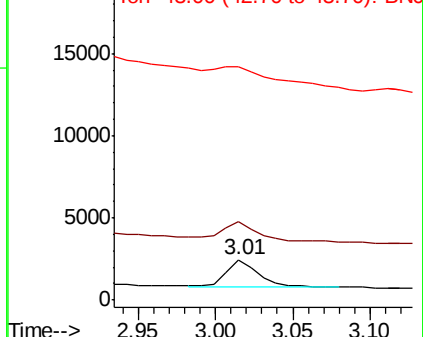
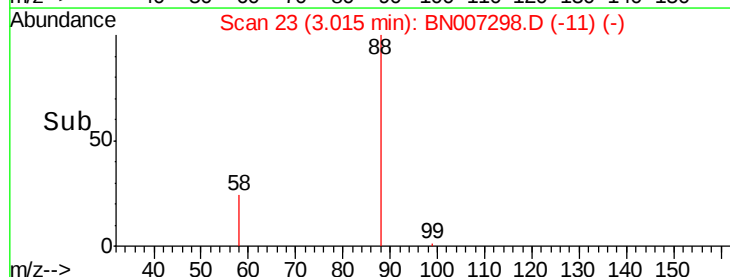
#2

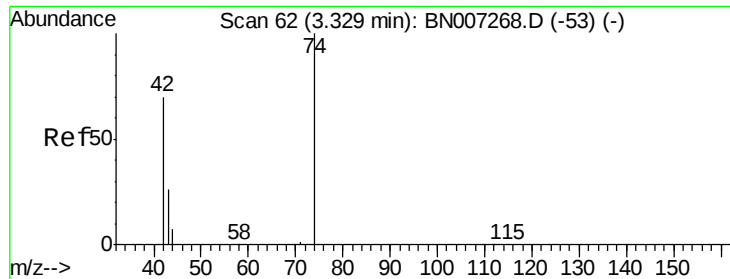
1,4-Dioxane
Concen: 0.264 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion: 88 Resp: 2416
Ion Ratio Lower Upper
88 100
58 86.8 45.5 68.3#
43 0.0 20.4 30.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.325 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

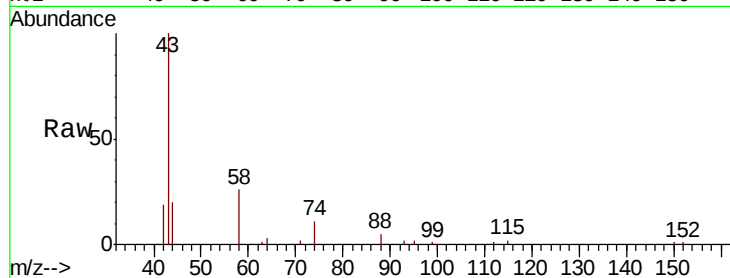
Tot Ion: 42 Resp: 1992

Ion Ratio Lower Upper

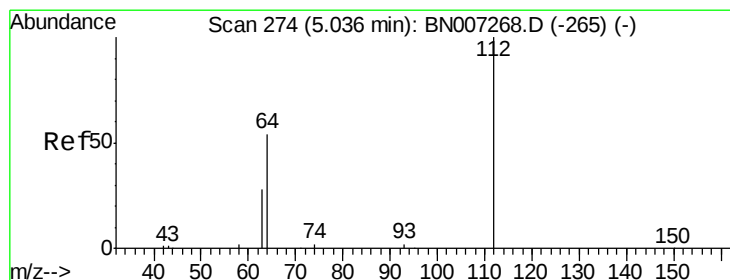
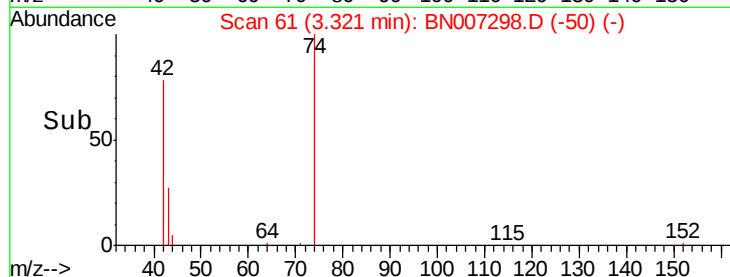
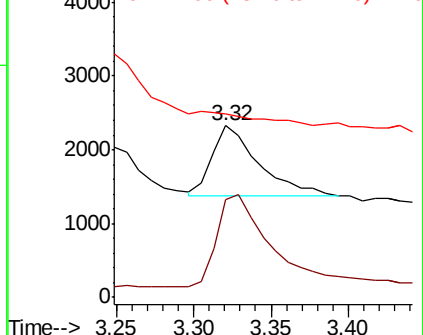
42 100

74 152.7 109.0 163.4

44 0.0 4.2 6.2#



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: 0.393 ng

RT: 5.04 min Scan# 275

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

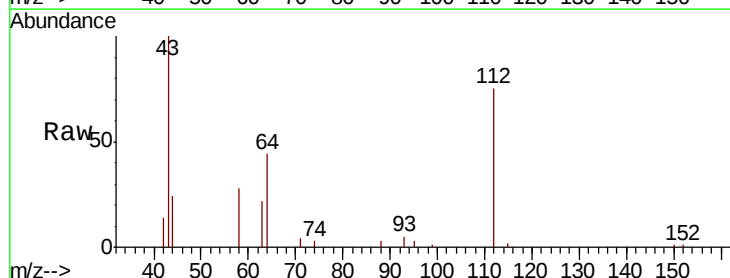
Tgt Ion: 112 Resp: 7718

Ion Ratio Lower Upper

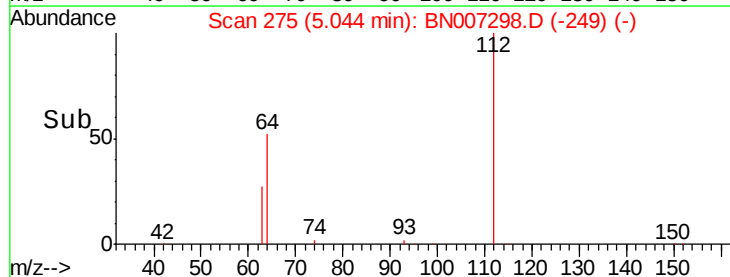
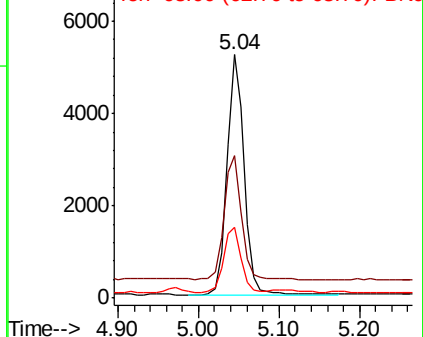
112 100

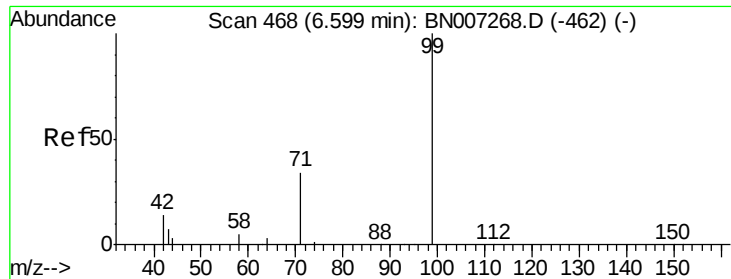
64 51.6 41.8 62.8

63 27.4 22.6 34.0



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: 0.433 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

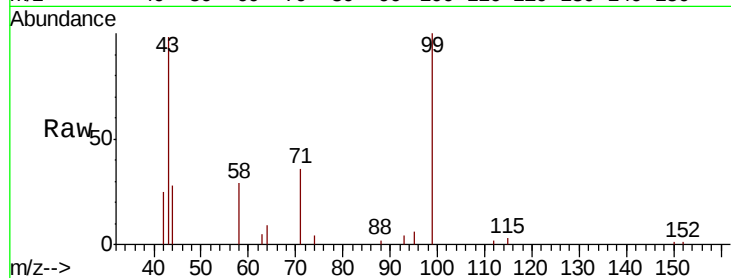
Tot Ion: 99 Resp: 9767

Ion Ratio Lower Upper

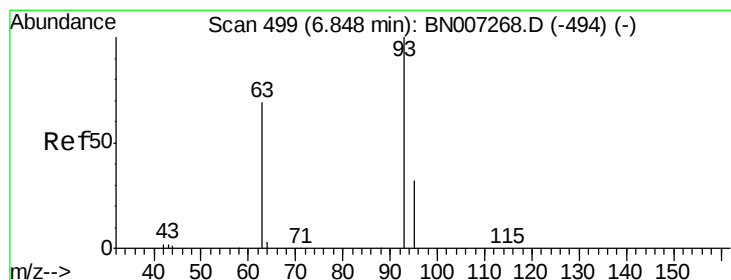
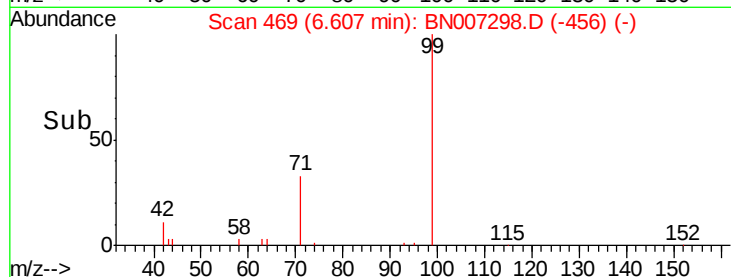
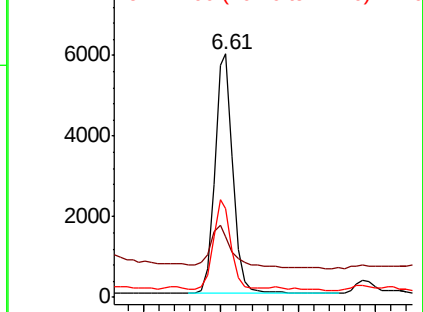
99 100

42 21.9 14.3 21.5#

71 36.4 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 6.85 min Scan# 499

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

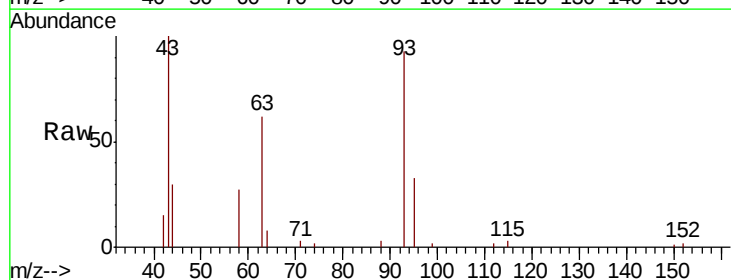
Tgt Ion: 93 Resp: 7742

Ion Ratio Lower Upper

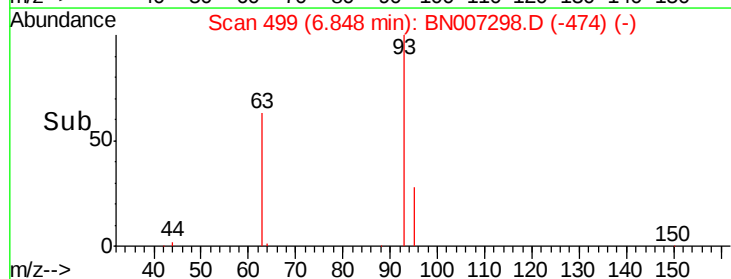
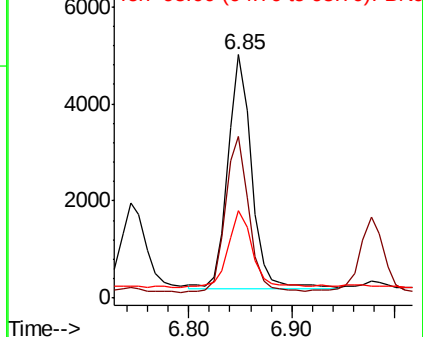
93 100

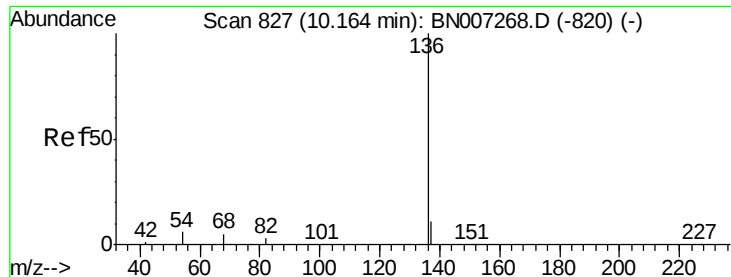
63 65.3 54.4 81.6

95 32.8 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 24867

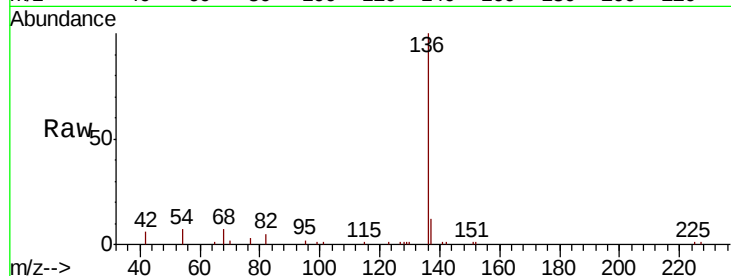
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 6.8 5.9 8.9

68 6.6 5.6 8.4

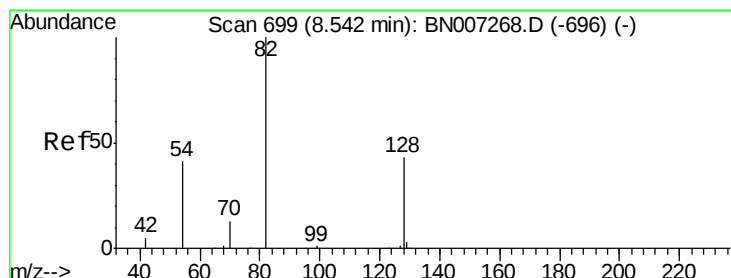
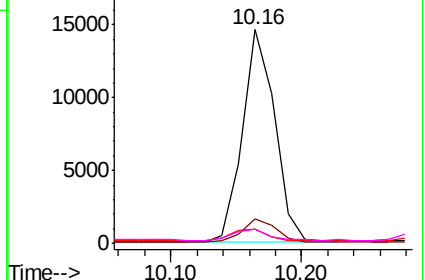
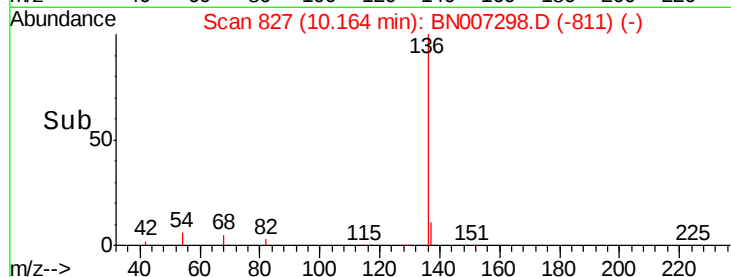


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

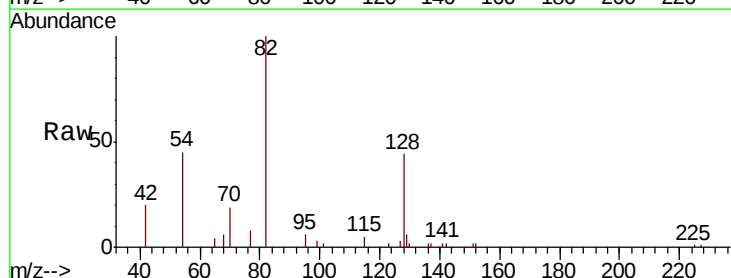
Tgt Ion: 82 Resp: 6933

Ion Ratio Lower Upper

82 100

128 44.2 35.8 53.6

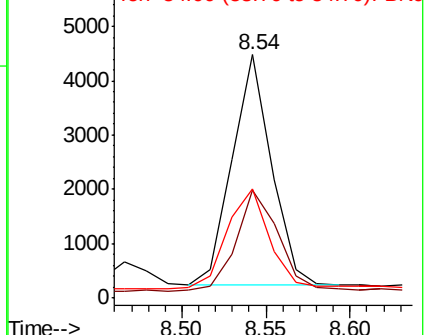
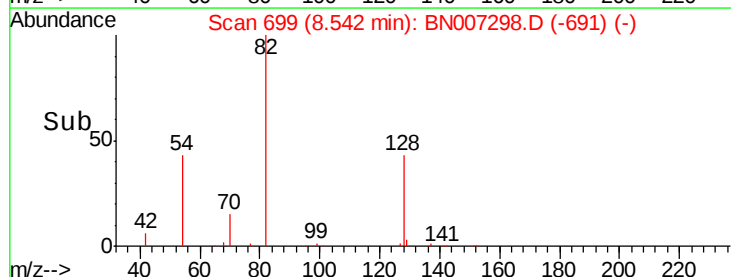
54 44.8 34.7 52.1

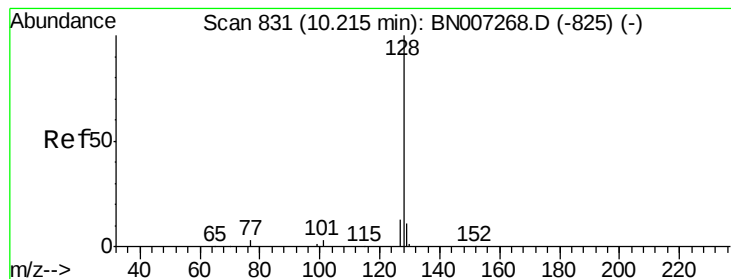


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.478 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampled :

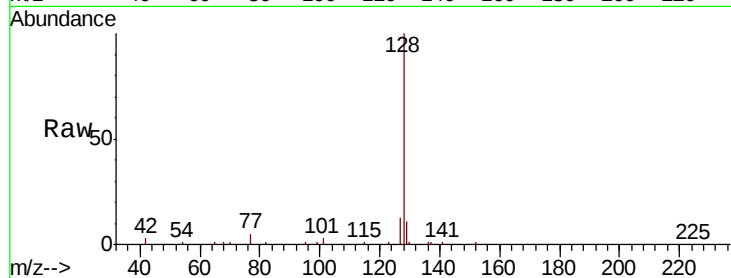
Tot Ion:128 Resp: 33657

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

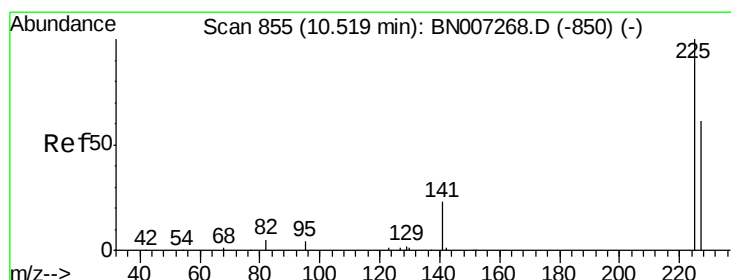
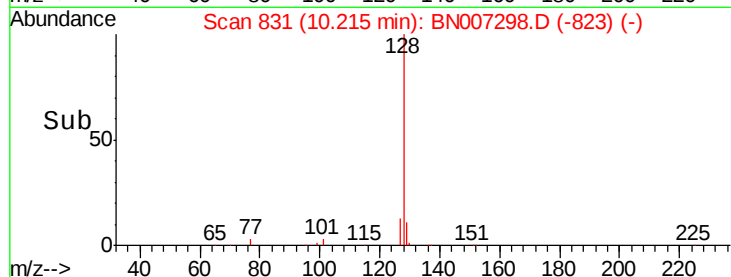
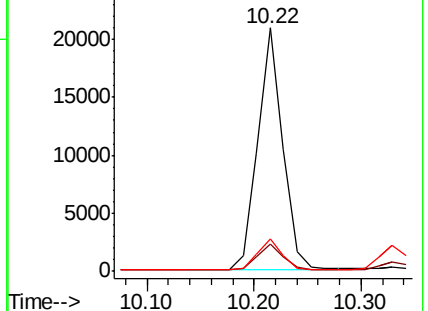
127 13.4 10.6 16.0



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: 0.347 ng

RT: 10.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

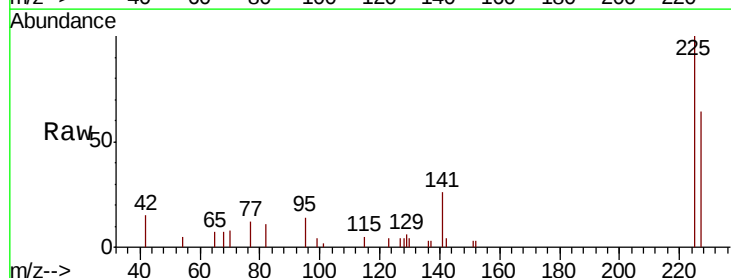
Tgt Ion:225 Resp: 5398

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

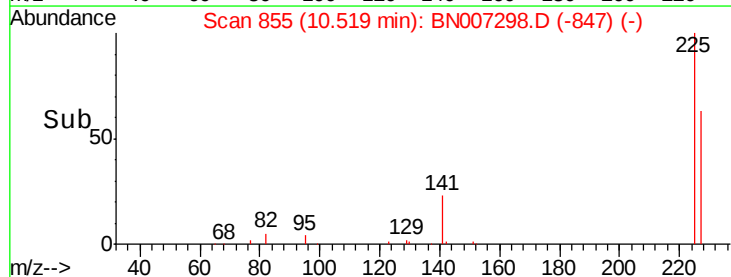
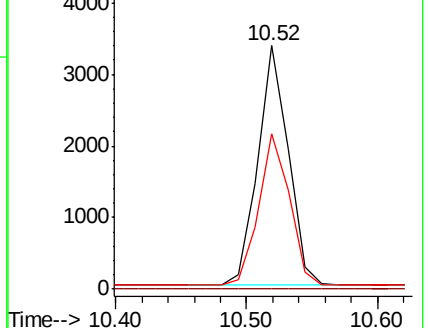
227 63.8 50.2 75.2

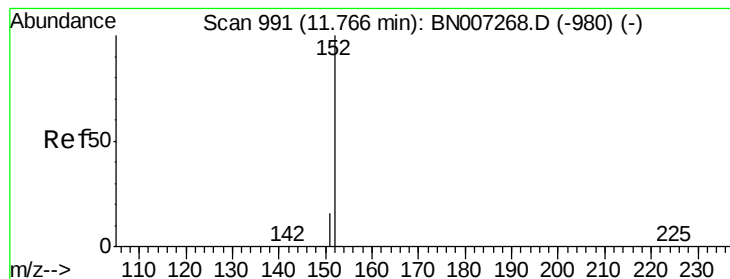


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.362 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

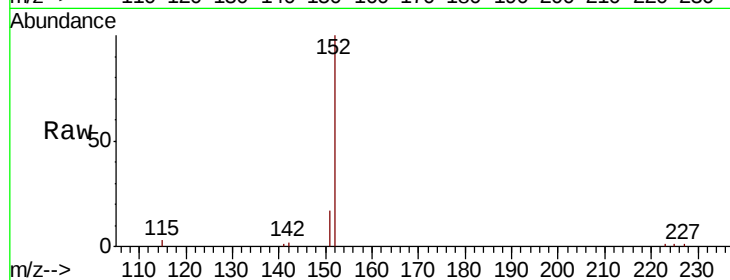
ClientSampled :

Tot Ion:152 Resp: 15576

Ion Ratio Lower Upper

152 100

151 19.6 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

10000

8000

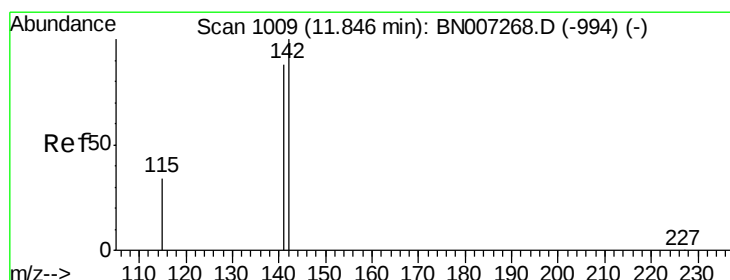
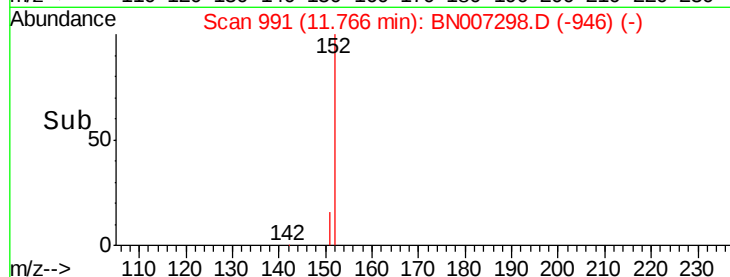
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.483 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

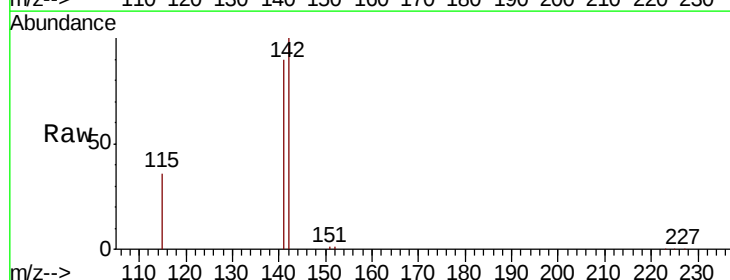
Tgt Ion:142 Resp: 23587

Ion Ratio Lower Upper

142 100

141 90.0 70.7 106.1

115 36.4 28.1 42.1



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

11.84

20000

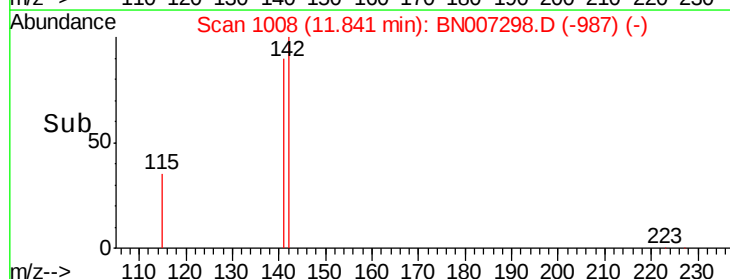
15000

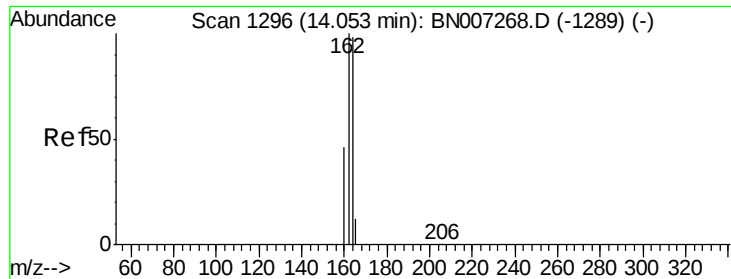
10000

5000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampled :

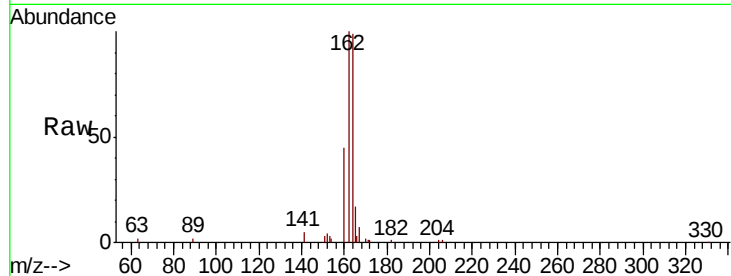
Tot Ion:164 Resp: 14675

Ion Ratio Lower Upper

164 100

162 101.2 82.0 123.0

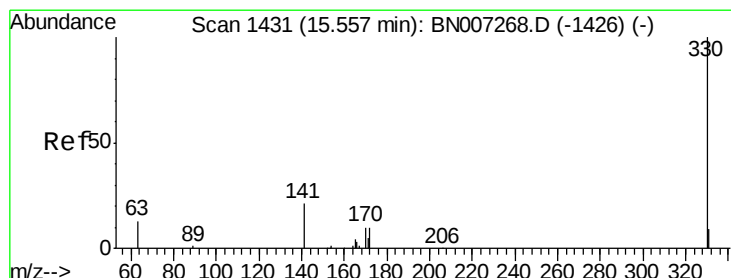
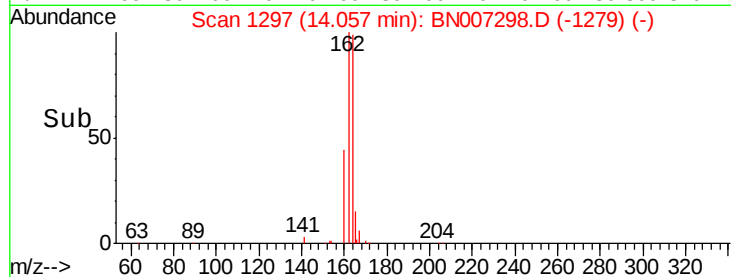
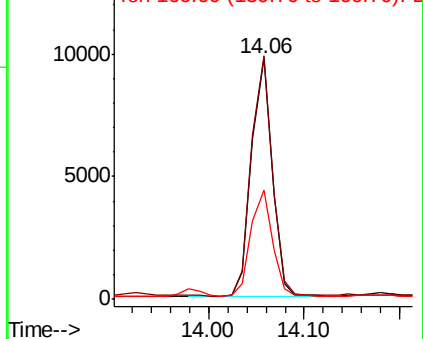
160 45.4 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.397 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

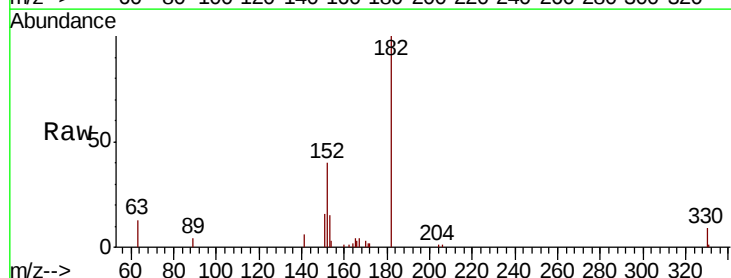
Tgt Ion:330 Resp: 3269

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

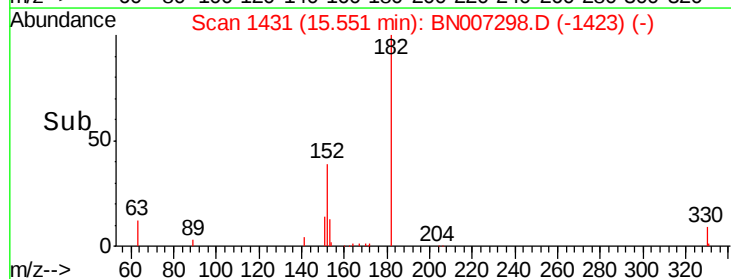
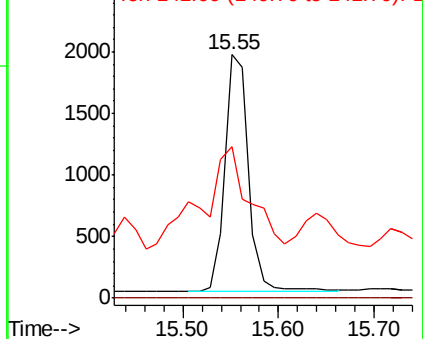
141 74.1 30.3 45.5#

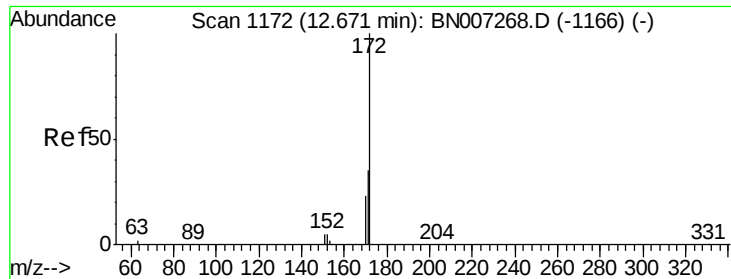


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

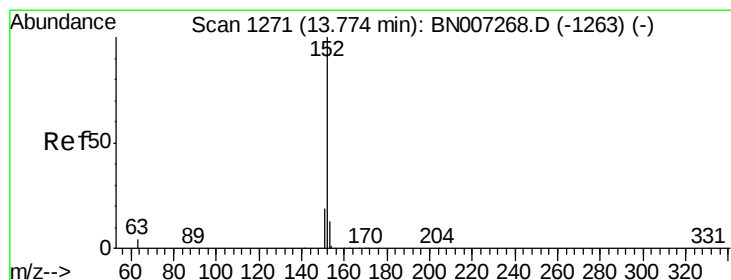
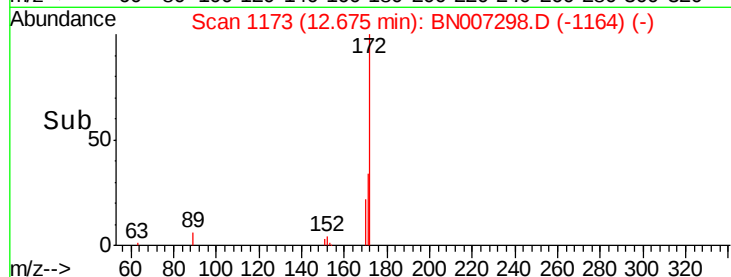
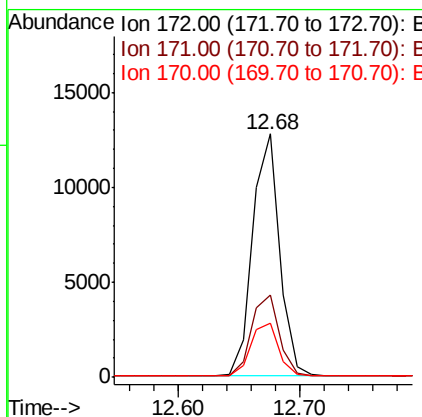
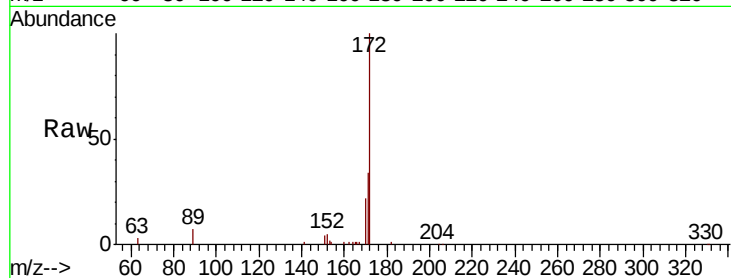




#15
2-Fluorobiphenyl
Concen: 0.315 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

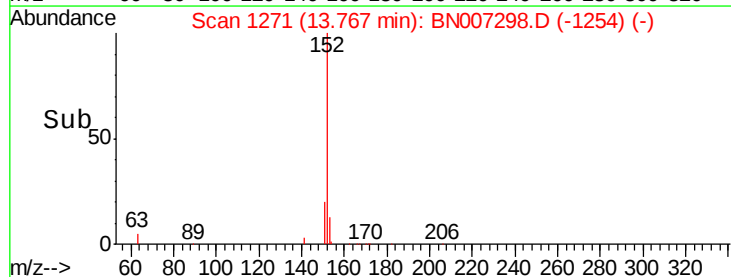
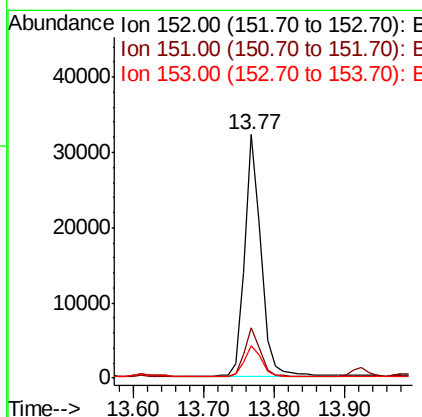
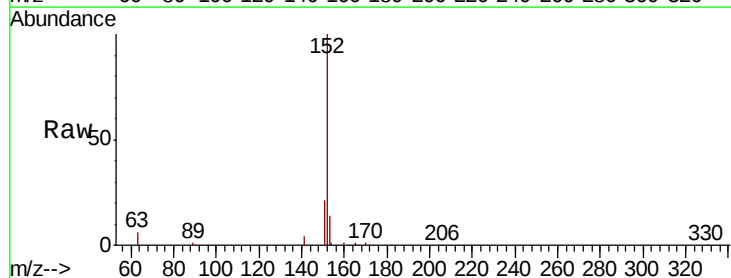
Instrument :
BNA_N
ClientSampleId :

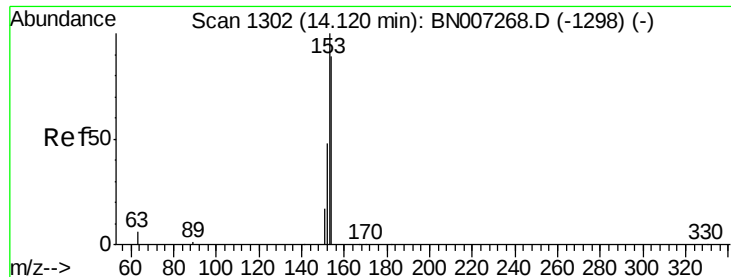
Tot Ion:172 Resp: 19840
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 22.2 18.7 28.1



#16
Acenaphthylene
Concen: 0.670 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007298.D
Acq: 21 Aug 2019 19:58

Tgt Ion:152 Resp: 52161
Ion Ratio Lower Upper
152 100
151 20.2 15.4 23.2
153 14.0 10.1 15.1





#17

Acenaphthene

Concen: 4.101 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

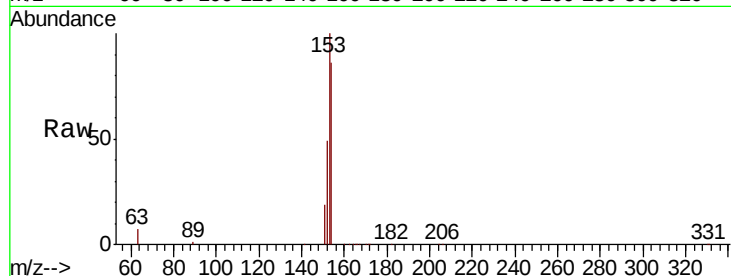
Tot Ion:154 Resp: 203359

Ion Ratio Lower Upper

154 100

153 112.5 89.9 134.9

152 54.0 43.9 65.9

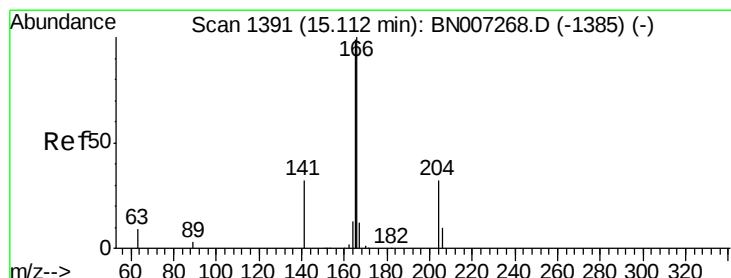
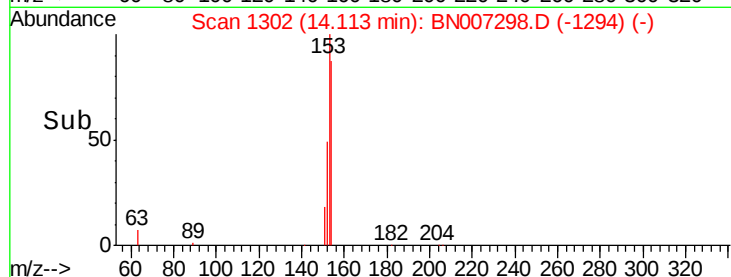
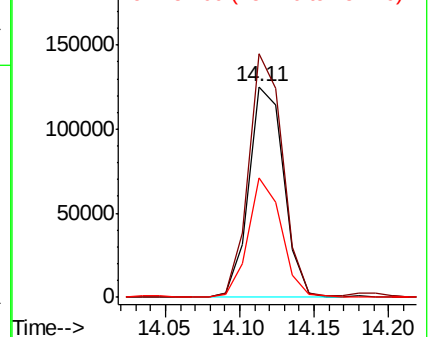


Abundance

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: 3.359 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

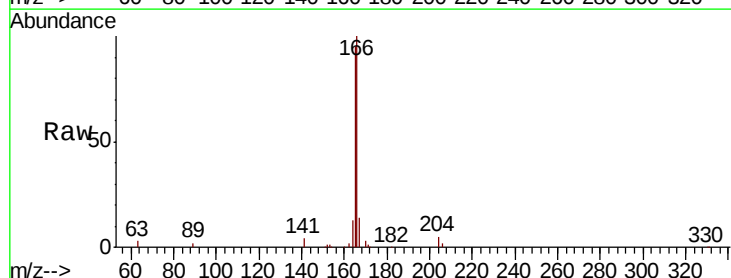
Tgt Ion:166 Resp: 217617

Ion Ratio Lower Upper

166 100

165 97.8 78.3 117.5

167 14.3 11.1 16.7

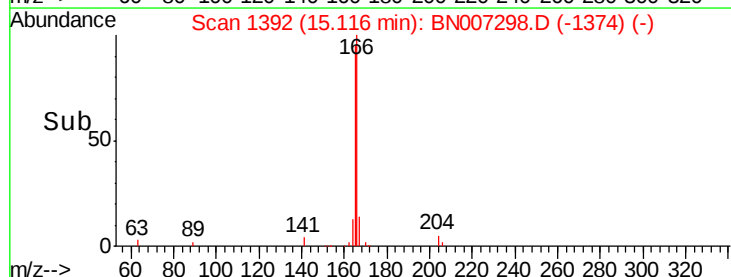
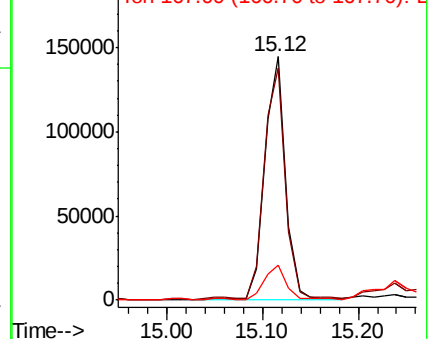


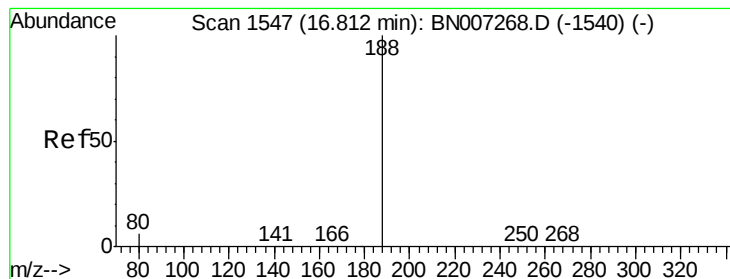
Abundance

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: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampled :

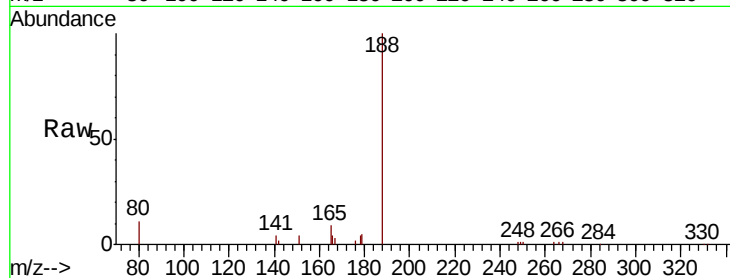
Tot Ion:188 Resp: 32916

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

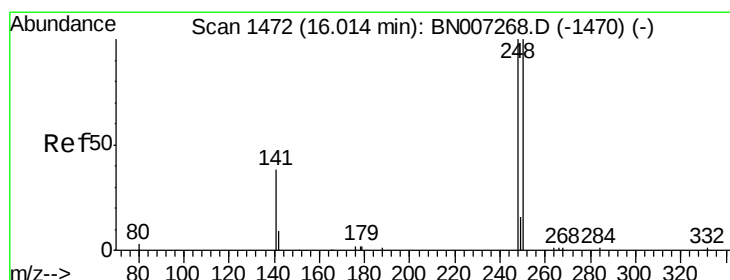
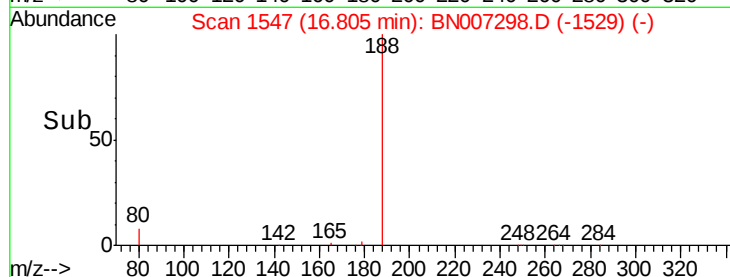
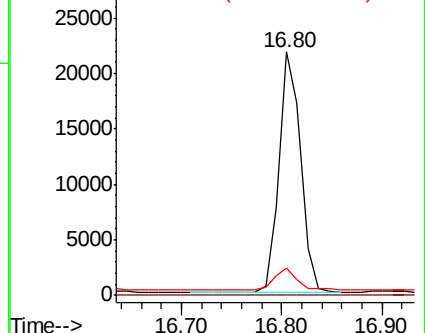
80 11.0 5.2 7.8#



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: 0.398 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

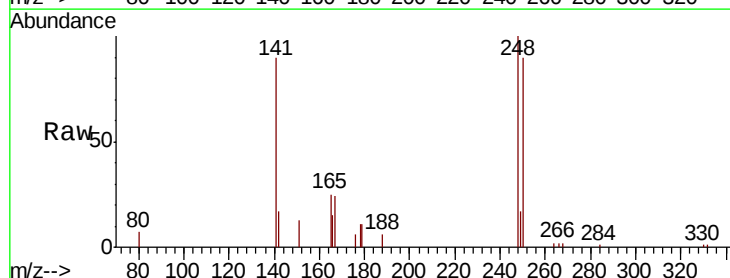
Tgt Ion:248 Resp: 7512

Ion Ratio Lower Upper

248 100

250 89.5 79.6 119.4

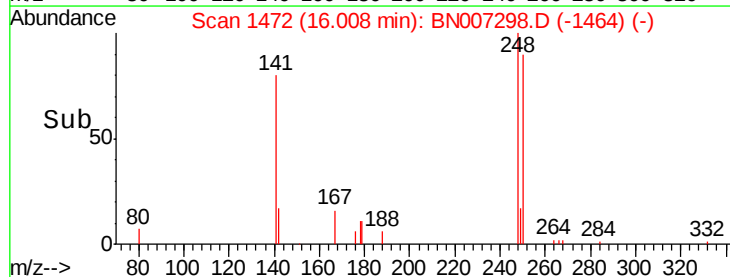
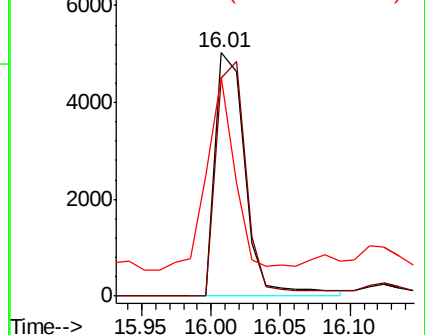
141 90.2 45.1 67.7#

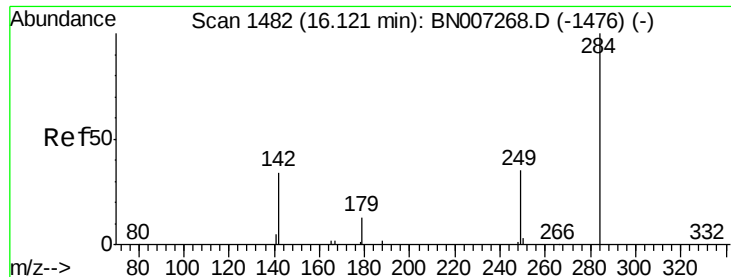


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.335 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

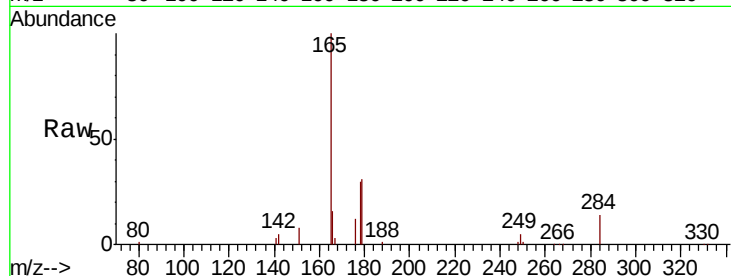
Tot Ion:284 Resp: 7310

Ion Ratio Lower Upper

284 100

142 41.2 29.5 44.3

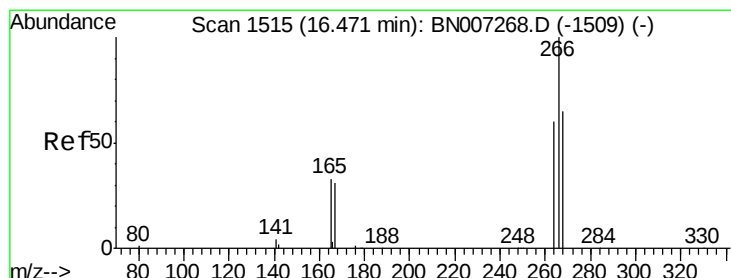
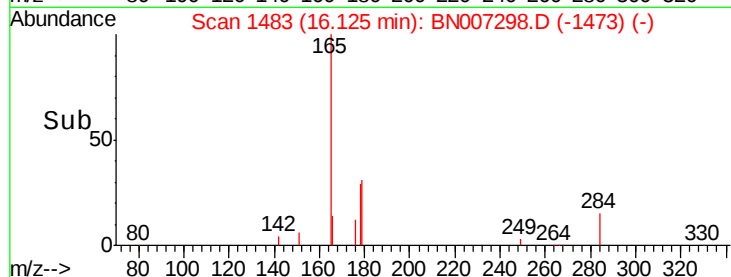
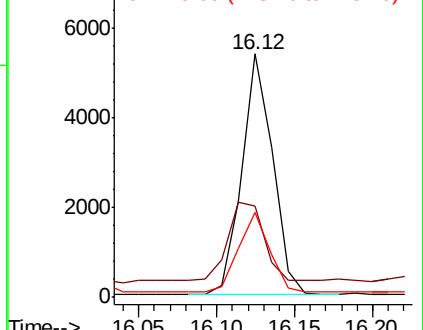
249 34.0 26.2 39.4



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: 0.925 ng

RT: 16.48 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

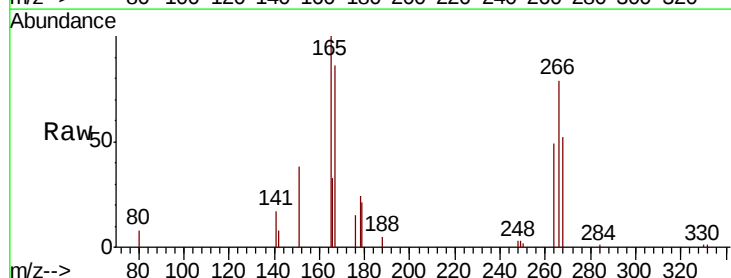
Tgt Ion:266 Resp: 8097

Ion Ratio Lower Upper

266 100

264 62.1 48.7 73.1

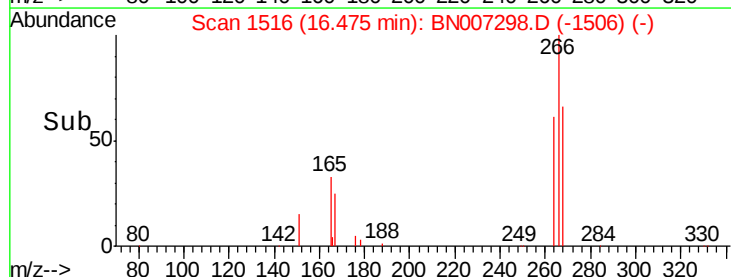
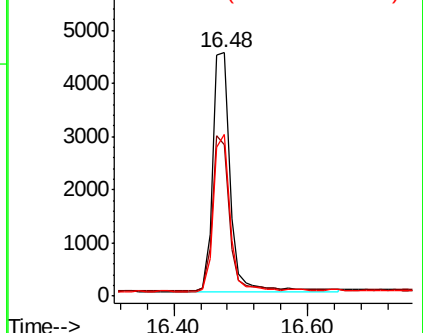
268 66.5 53.5 80.3

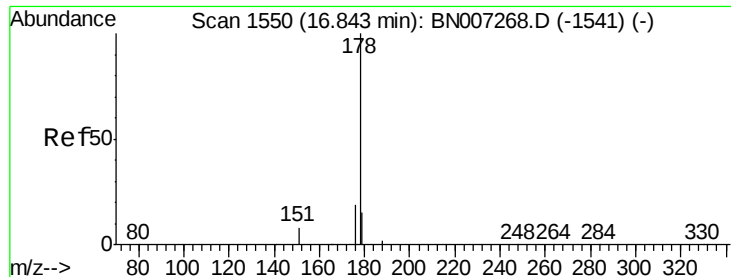


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 40.418 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

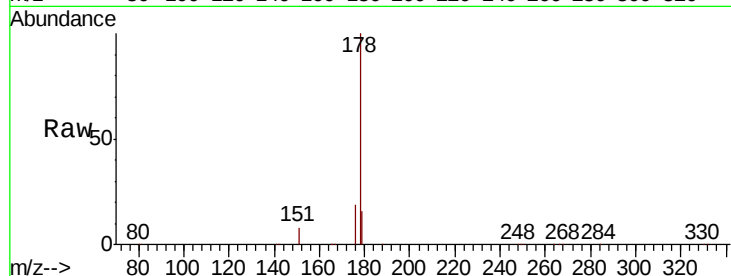
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 4169847

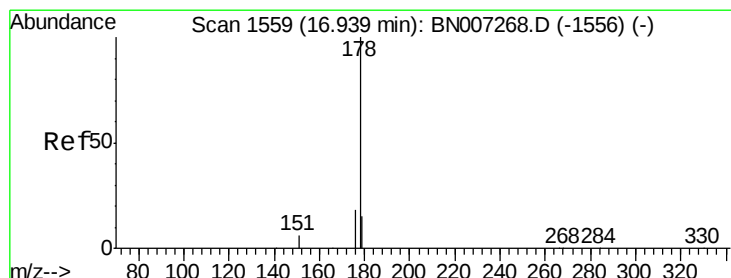
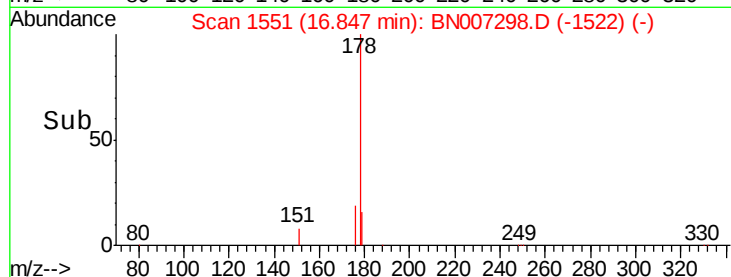
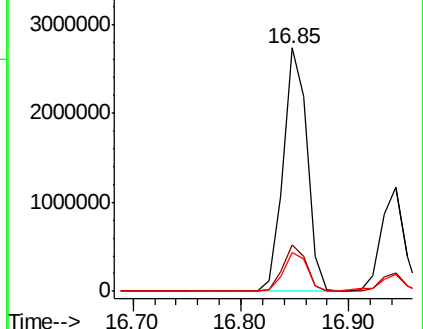
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.0	12.3	18.5



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: 17.885 ng

RT: 16.94 min Scan# 1560

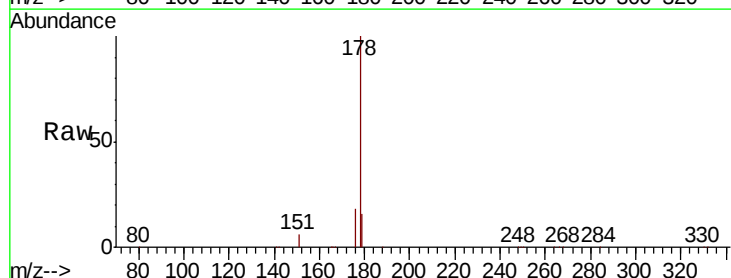
Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Tgt Ion:178 Resp: 1661396

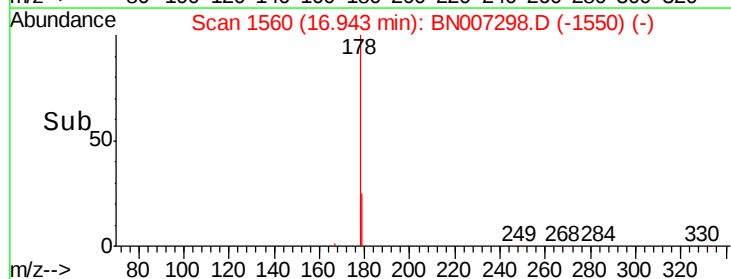
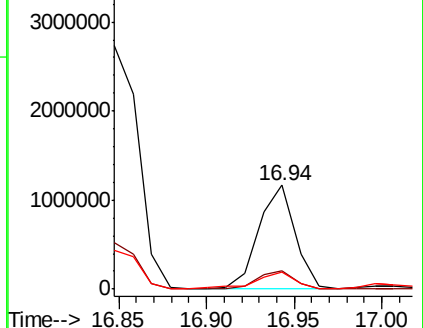
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.3	21.5
179	16.8	12.3	18.5

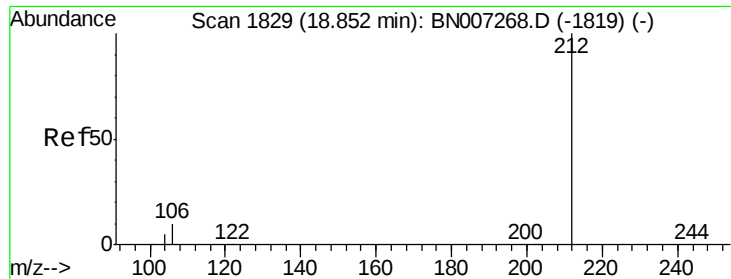


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.328 ng

RT: 18.85 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampled :

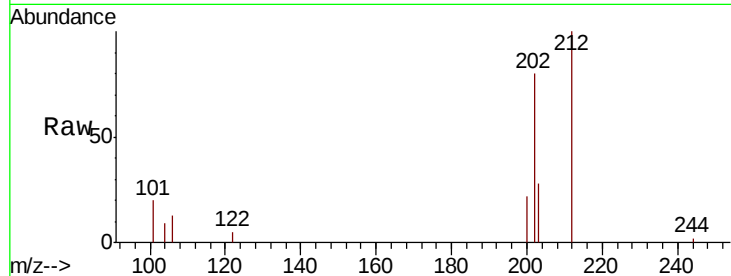
Tot Ion:212 Resp: 34207

Ion Ratio Lower Upper

212 100

106 9.0 8.2 12.4

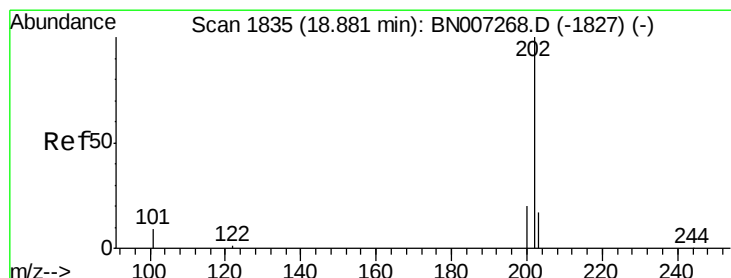
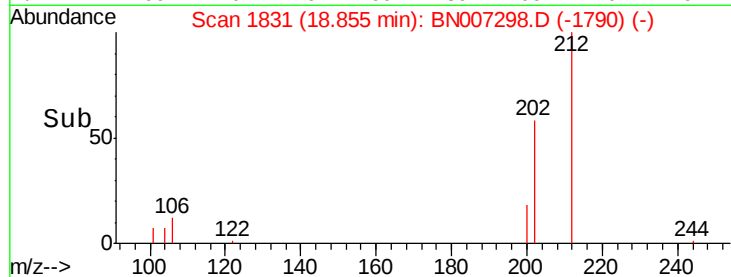
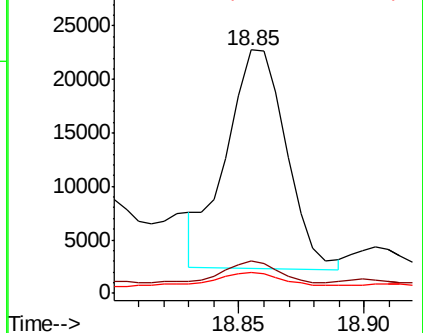
104 7.1 4.7 7.1#



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: 114.230 ng

RT: 18.89 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

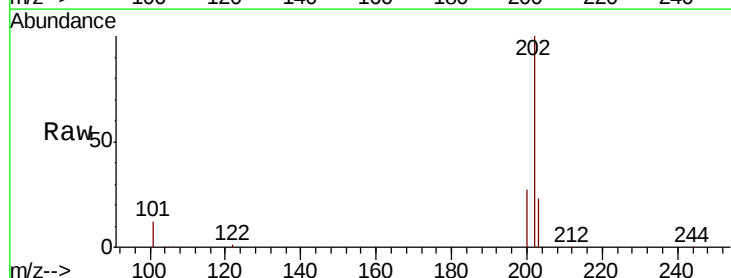
Tgt Ion:202 Resp:14274595

Ion Ratio Lower Upper

202 100

101 10.6 7.2 10.8

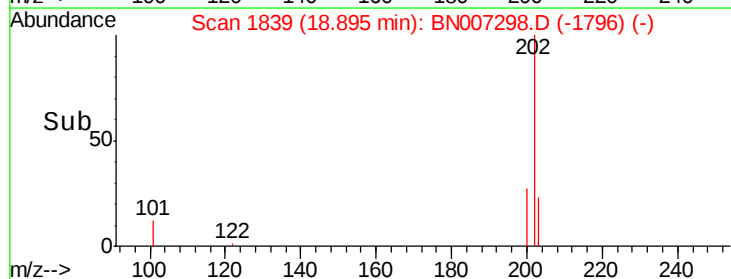
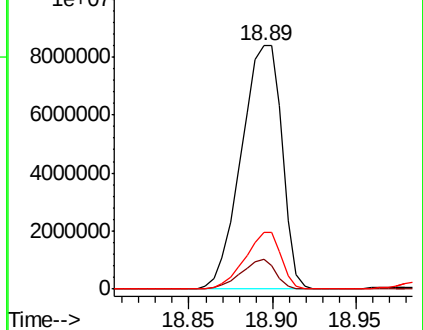
203 20.7 13.8 20.6#

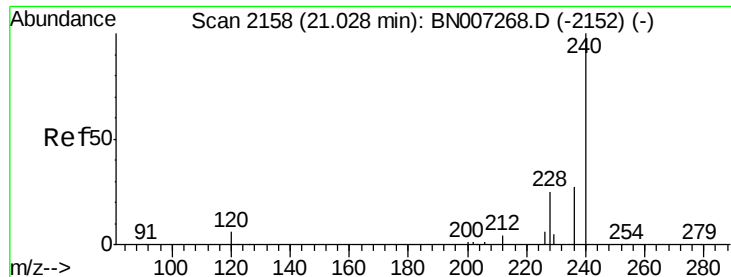


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.04 min Scan# 2160

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

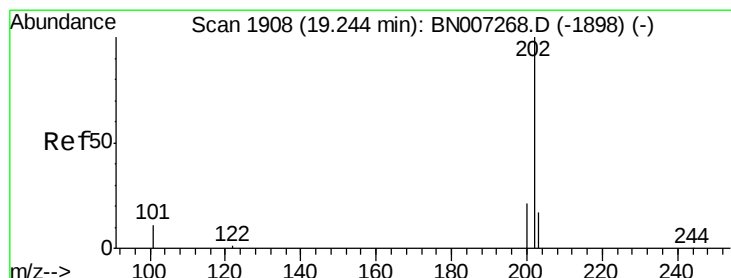
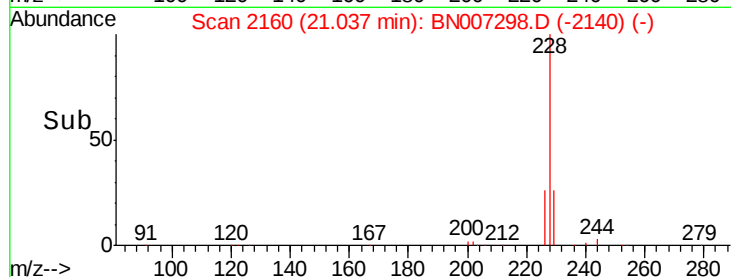
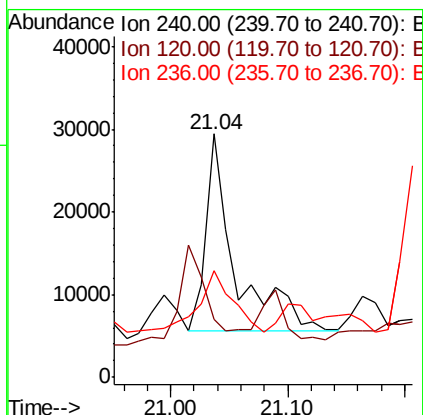
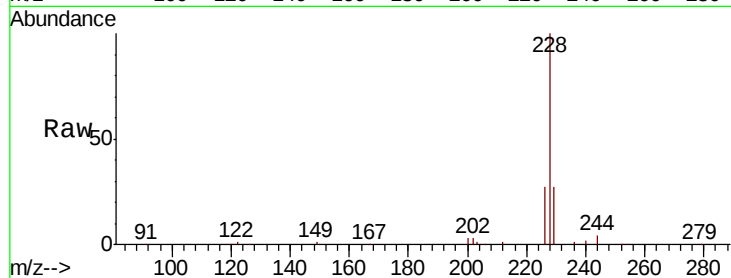
Tot Ion:240 Resp: 41791

Ion Ratio Lower Upper

240 100

120 24.1 5.6 8.4#

236 43.7 21.6 32.4#



#28

Pyrene

Concen: 88.338 ng

RT: 19.26 min Scan# 1913

Delta R.T. 0.02 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

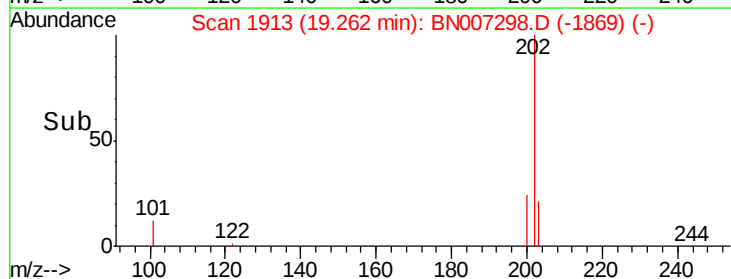
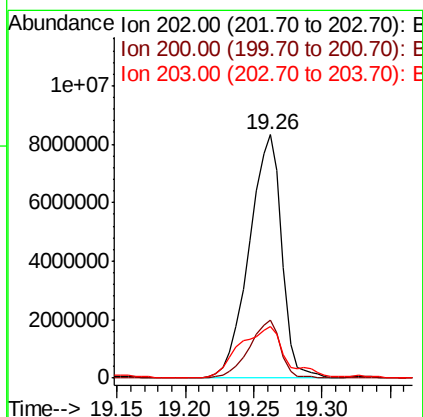
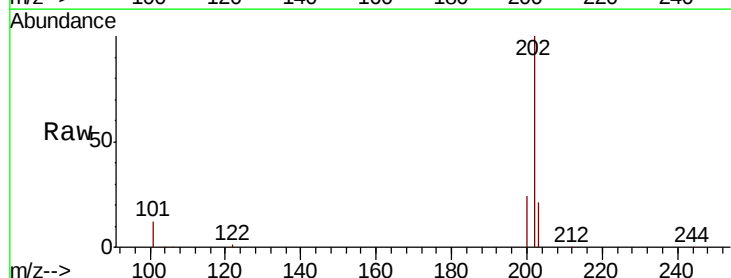
Tgt Ion:202 Resp:13805098

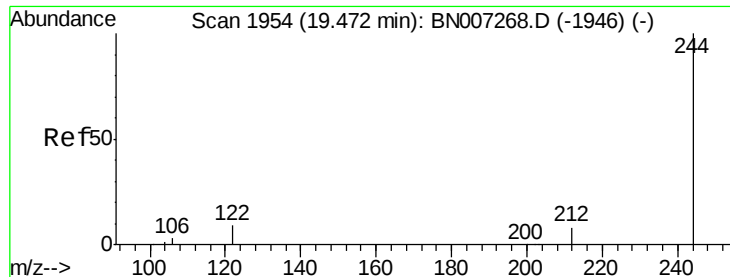
Ion Ratio Lower Upper

202 100

200 22.9 16.7 25.1

203 29.6 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

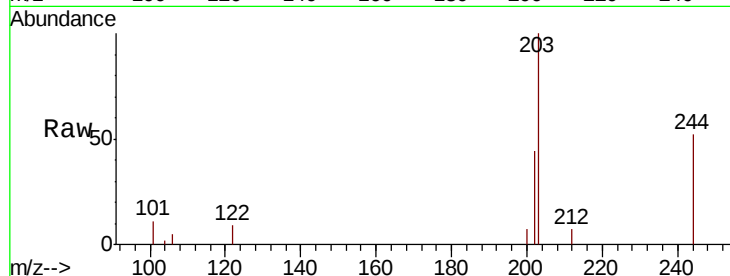
Tot Ion:244 Resp: 35002

Ion Ratio Lower Upper

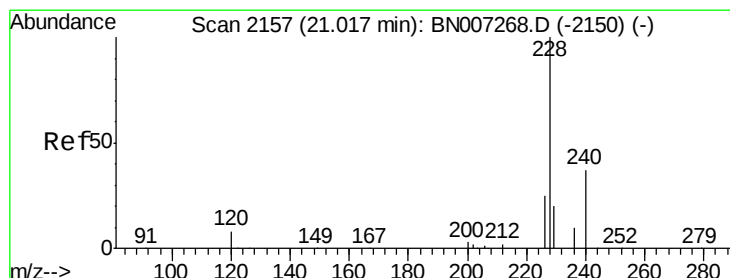
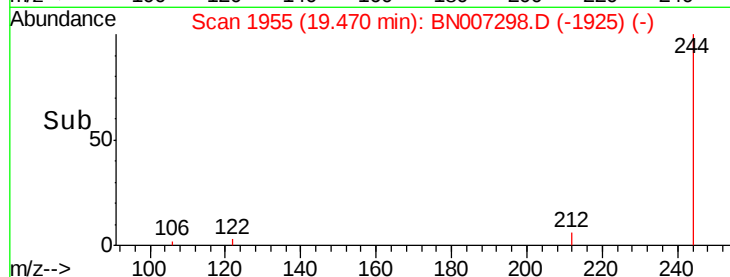
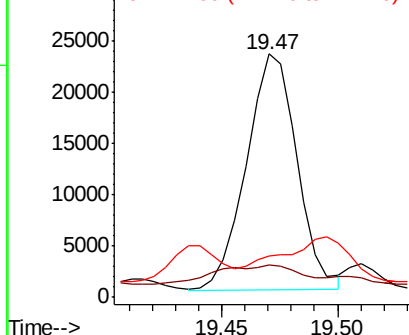
244 100

212 13.1 6.5 9.7#

122 16.9 7.9 11.9#



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: 66.577 ng

RT: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

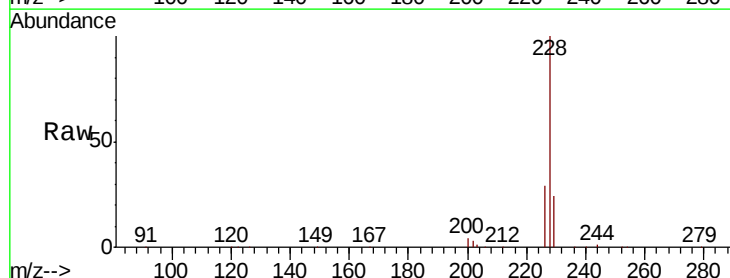
Tgt Ion:228 Resp:10345871

Ion Ratio Lower Upper

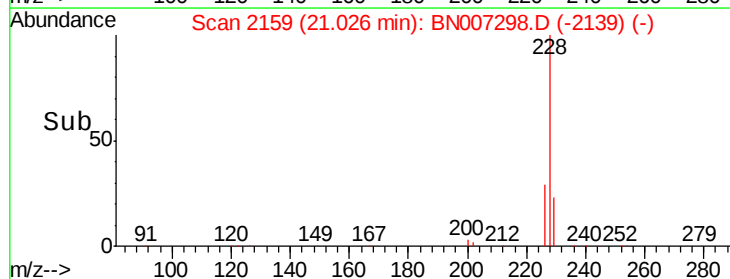
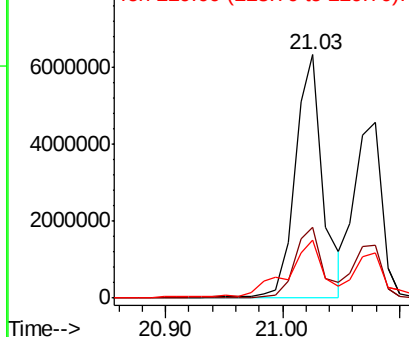
228 100

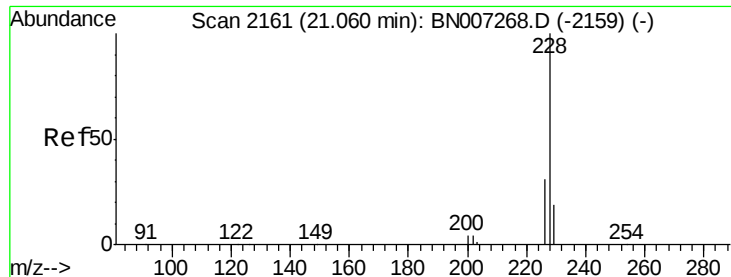
226 29.1 20.6 30.8

229 23.8 16.9 25.3



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

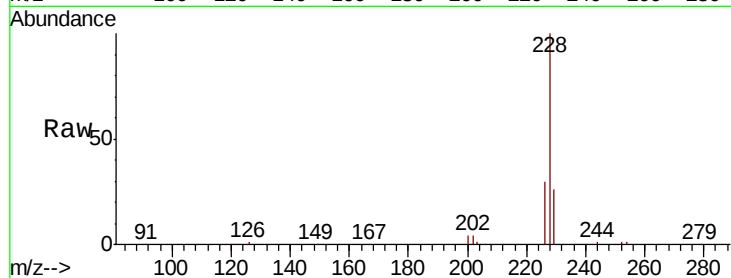




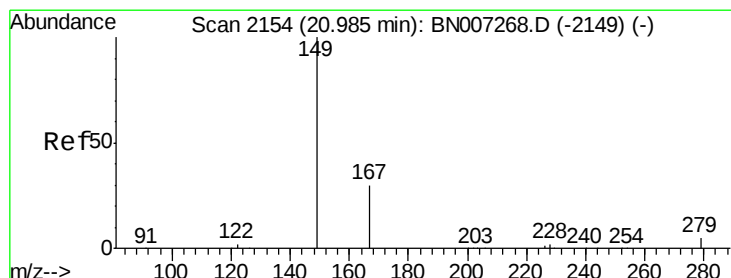
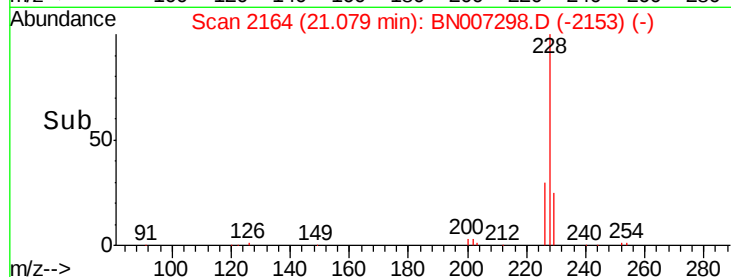
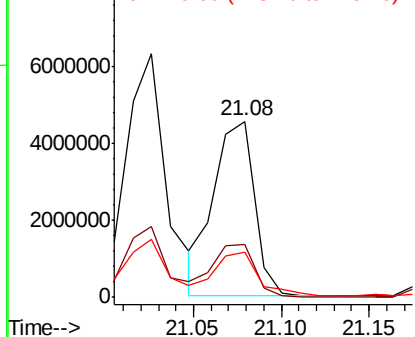
#31
 Chrysene
 Concen: 46.396 ng
 RT: 21.08 min Scan# 2164
 Delta R.T. 0.02 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:228 Resp: 7357525
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.6 36.8
 229 25.8 15.6 23.4#

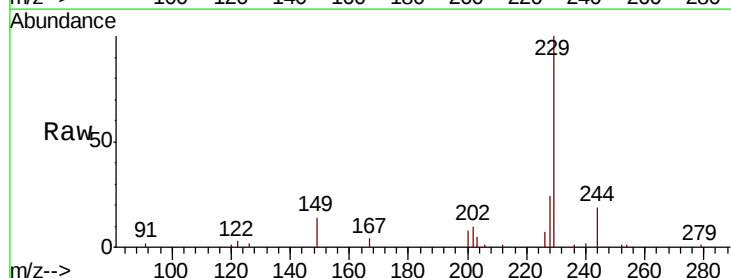


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

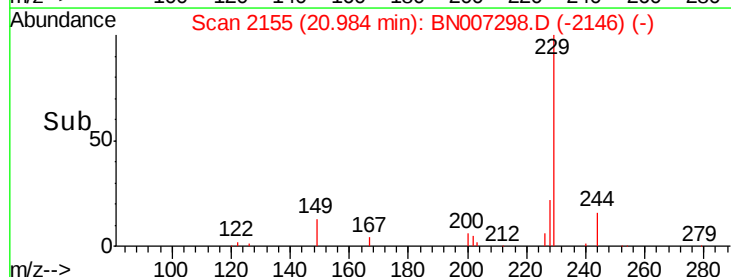
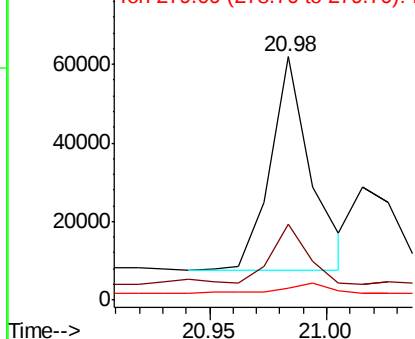


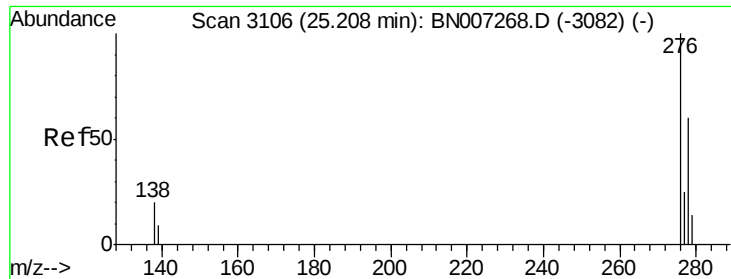
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.059 ng
 RT: 20.98 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BN007298.D
 Acq: 21 Aug 2019 19:58

Tgt Ion:149 Resp: 65766
 Ion Ratio Lower Upper
 149 100
 167 27.9 23.8 35.6
 279 4.8 3.8 5.8



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: 25.068 ng

RT: 25.24 min Scan# 3117

Delta R.T. 0.03 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

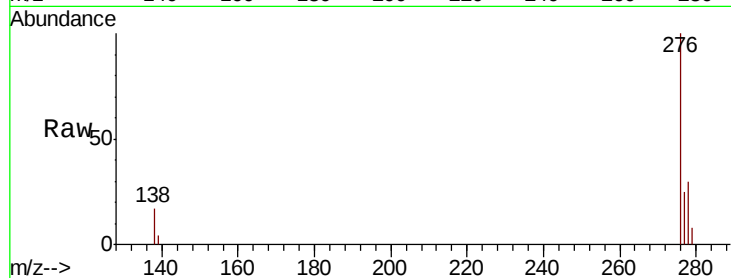
Tot Ion:276 Resp: 4783400

Ion Ratio Lower Upper

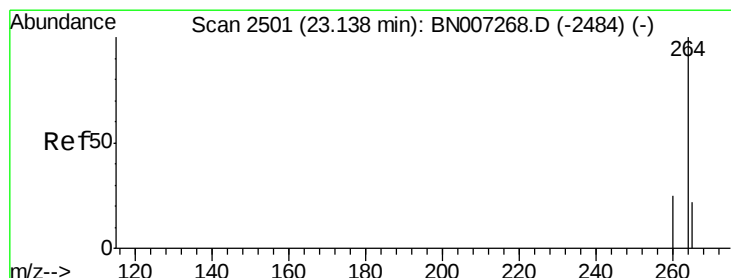
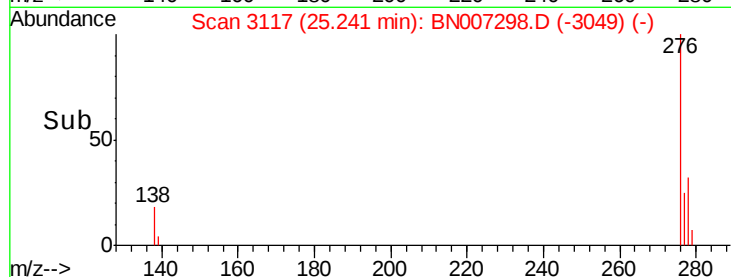
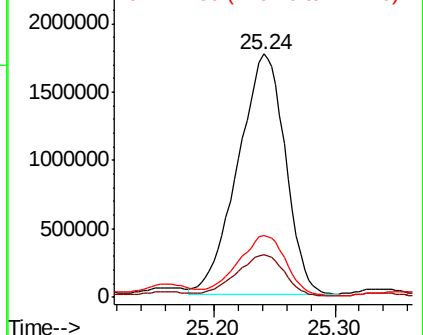
276 100

138 17.3 17.1 25.7

277 25.2 20.1 30.1



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: 23.15 min Scan# 2506

Delta R.T. 0.01 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

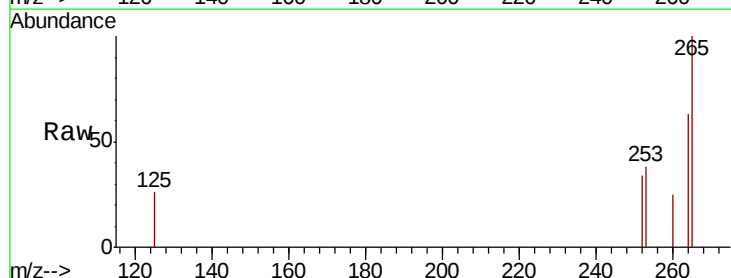
Tgt Ion:264 Resp: 56673

Ion Ratio Lower Upper

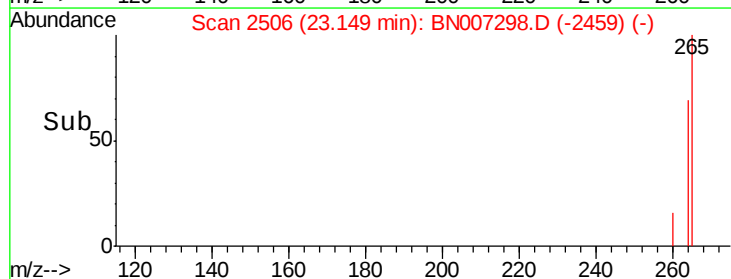
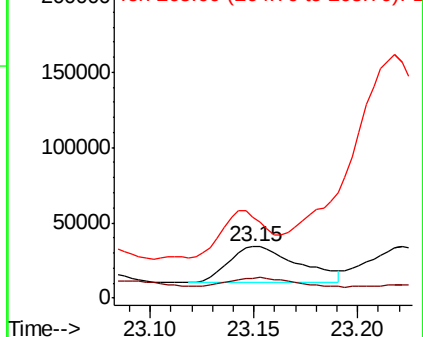
264 100

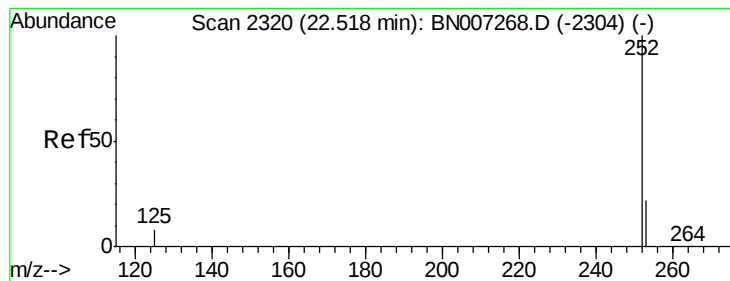
260 39.5 20.1 30.1#

265 159.6 29.0 43.6#



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: 51.084 ng

RT: 22.54 min Scan# 2328

Delta R.T. 0.02 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

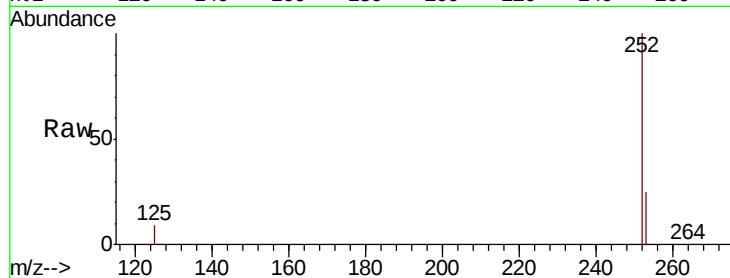
Tot Ion:252 Resp:10792916

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

125 8.8 7.8 11.6

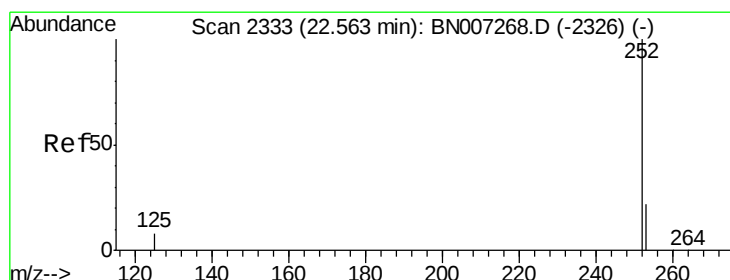
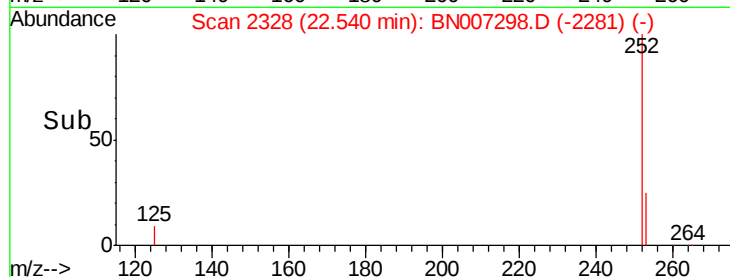
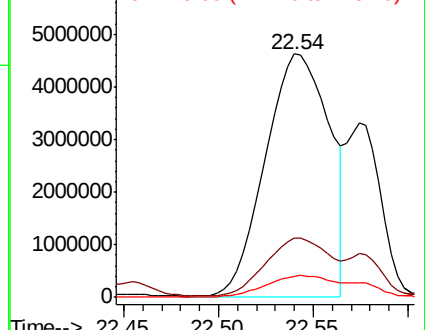


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 52.144 ng

RT: 22.54 min Scan# 2328

Delta R.T. -0.02 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

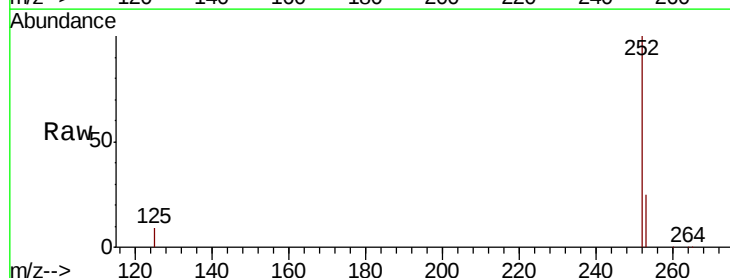
Tgt Ion:252 Resp:10792916

Ion Ratio Lower Upper

252 100

253 24.6 18.4 27.6

125 8.8 8.0 12.0

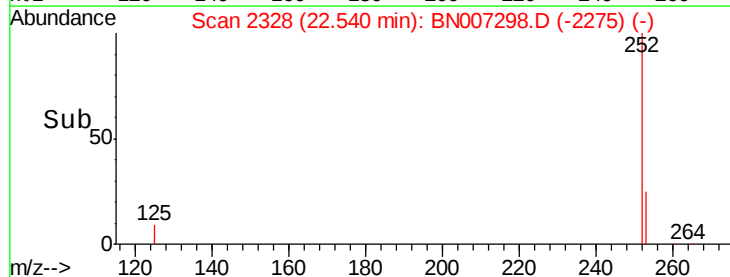
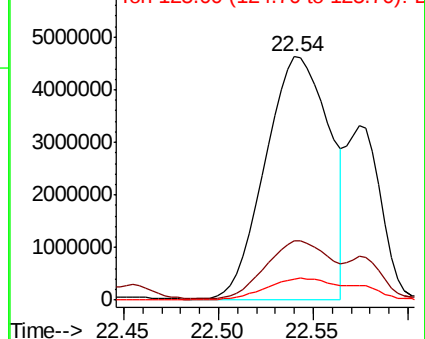


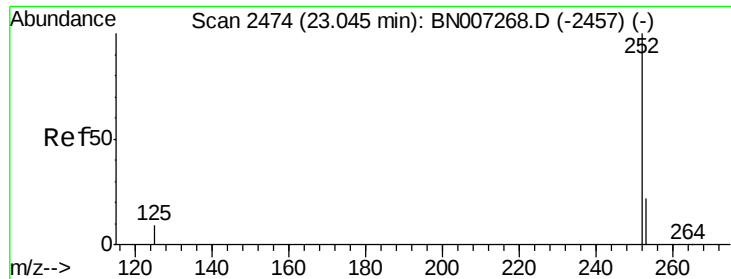
Abundance

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: 42.826 ng

RT: 23.07 min Scan# 2483

Delta R.T. 0.03 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :

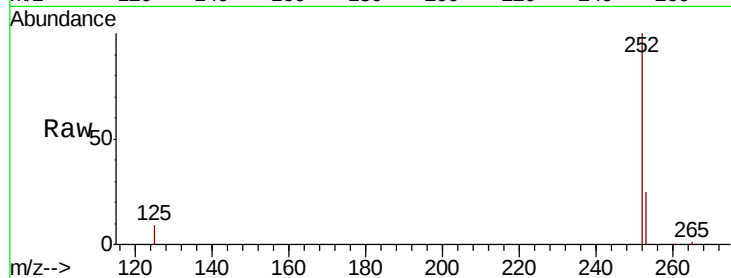
Tot Ion:252 Resp: 8154723

Ion Ratio Lower Upper

252 100

253 24.8 18.7 28.1

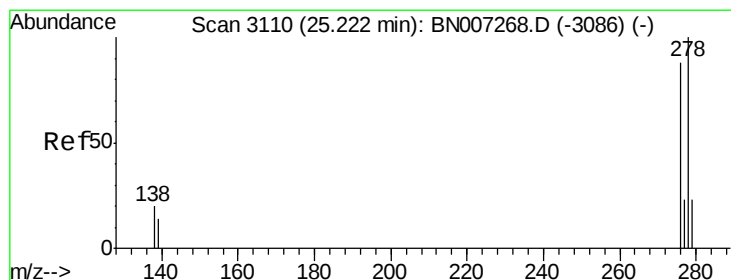
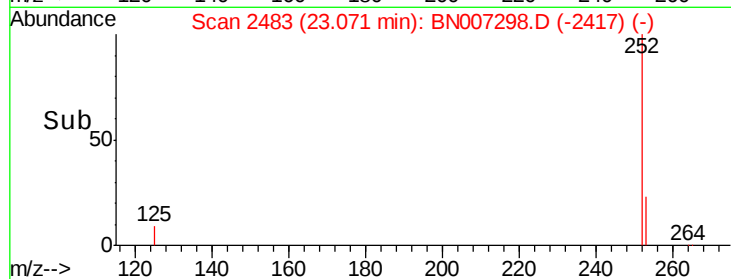
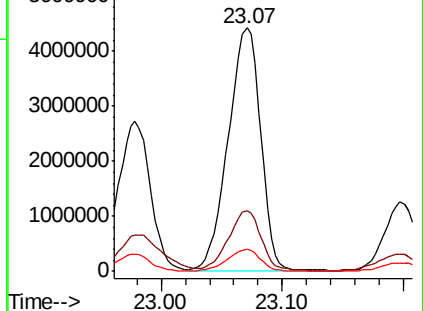
125 9.0 8.7 13.1



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: 7.490 ng

RT: 25.24 min Scan# 3118

Delta R.T. 0.02 min

Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

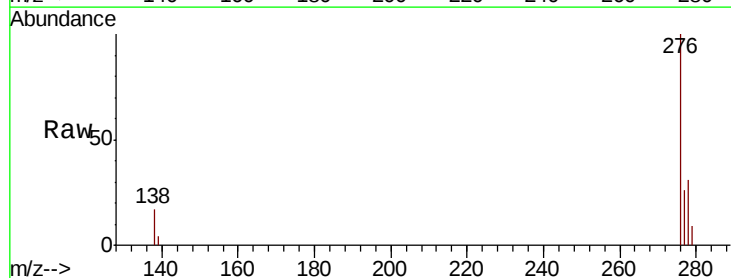
Tgt Ion:278 Resp: 1498224

Ion Ratio Lower Upper

278 100

139 14.5 11.8 17.8

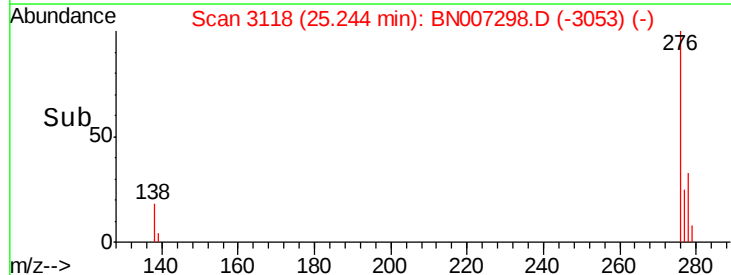
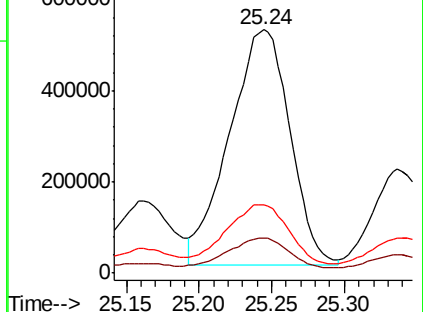
279 28.1 19.8 29.6

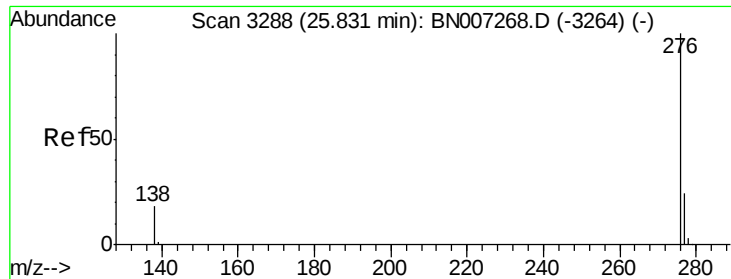


Abundance Ion 278.00 (277.70 to 278.70): E

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: 20.951 ng

RT: 25.87 min Scan# 3301

Delta R.T. 0.04 min

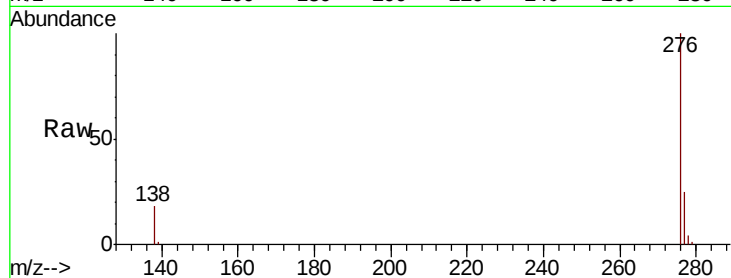
Lab File: BN007298.D

Acq: 21 Aug 2019 19:58

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 4236250

Ion	Ratio	Lower	Upper
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276	100		
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277	24.8	19.5	29.3
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138	17.8	15.3	22.9
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