

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082720\
 Data File : BN011667.D
 Acq On : 27 Aug 2020 16:54
 Operator : CG/JU
 Sample : PB131252BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB131252BSD

Quant Time: Aug 27 17:27:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 27 14:34:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1985	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	7529	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	4505	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	9996	0.40	ng	0.00
29) Chrysene-d12	21.32	240	11182	0.40	ng	0.00
36) Perylene-d12	23.58	264	11410	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	2191	0.39	ng	0.00
5) Phenol-d6	6.90	99	2992	0.39	ng	0.00
8) Nitrobenzene-d5	8.88	82	2893	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	5264	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	791	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	7595	0.40	ng	0.00
27) Fluoranthene-d10	19.16	212	12343	0.38	ng	0.00
31) Terphenyl-d14	19.77	244	11448	0.41	ng	0.00

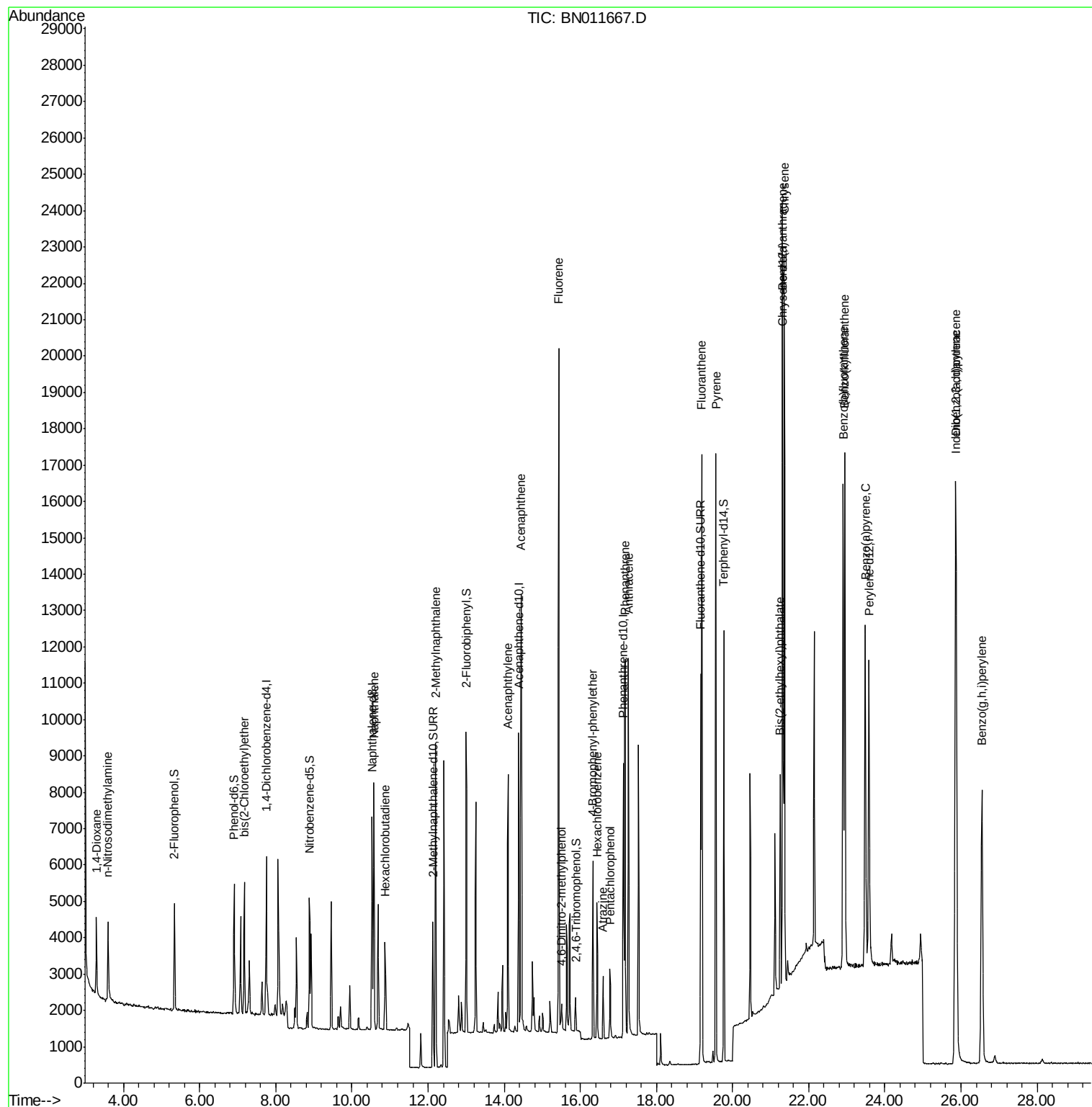
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	1270	0.398	ng	97
3) n-Nitrosodimethylamine	3.59	42	1595	0.433	ng	# 96
6) bis(2-Chloroethyl)ether	7.17	93	2461	0.397	ng	100
9) Naphthalene	10.58	128	8515	0.395	ng	99
10) Hexachlorobutadiene	10.87	225	1891	0.400	ng	# 99
12) 2-Methylnaphthalene	12.20	142	6034	0.394	ng	99
16) Acenaphthylene	14.10	152	8186	0.373	ng	99
17) Acenaphthene	14.45	154	5880	0.388	ng	98
18) Fluorene	15.44	166	7518	0.387	ng	99
20) 4,6-Dinitro-2-methylphenol	15.51	198	615	0.399	ng	95
21) 4-Bromophenyl-phenylether	16.32	248	2276	0.389	ng	95
22) Hexachlorobenzene	16.43	284	2813	0.389	ng	99
23) Atrazine	16.59	200	1415	0.275	ng	96
24) Pentachlorophenol	16.77	266	989	0.344	ng	98
25) Phenanthrene	17.18	178	12545	0.389	ng	100
26) Anthracene	17.26	178	10925	0.381	ng	99
28) Fluoranthene	19.19	202	15137	0.395	ng	100
30) Pyrene	19.56	202	15485	0.398	ng	100
32) Benzo(a)anthracene	21.31	228	15351	0.385	ng	99
33) Chrysene	21.35	228	16231	0.394	ng	97
34) Bis(2-ethylhexyl)phthalate	21.25	149	5969	0.368	ng	99
35) Indeno(1,2,3-cd)pyrene	25.85	276	21178	0.394	ng	99
37) Benzo(b)fluoranthene	22.90	252	16972	0.388	ng	99
38) Benzo(k)fluoranthene	22.95	252	17896	0.400	ng	99
39) Benzo(a)pyrene	23.48	252	14771	0.378	ng	98
40) Dibenzo(a,h)anthracene	25.87	278	17336	0.393	ng	99
41) Benzo(g,h,i)perylene	26.55	276	16551	0.383	ng	100

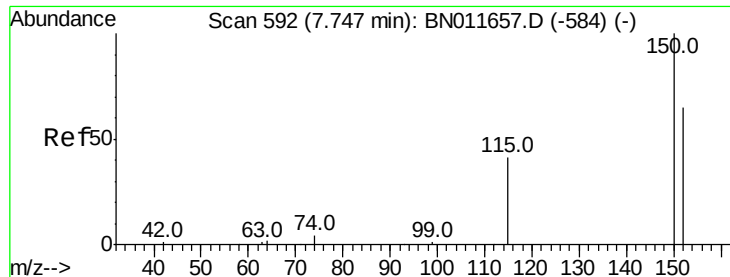
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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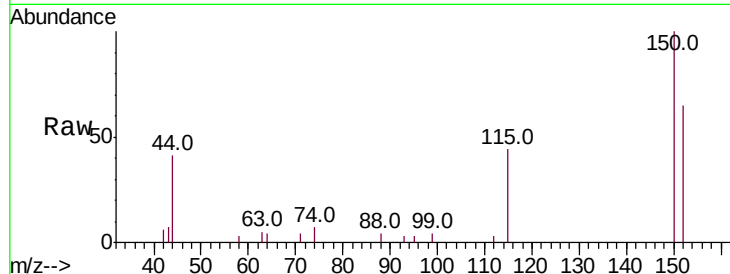




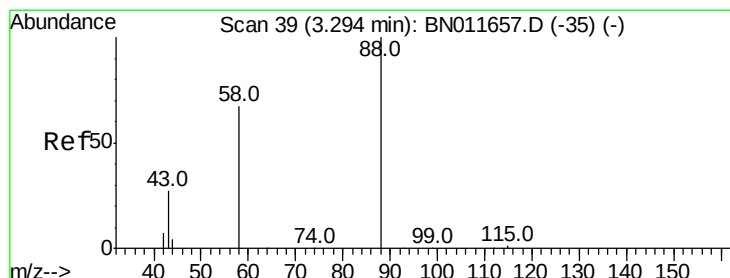
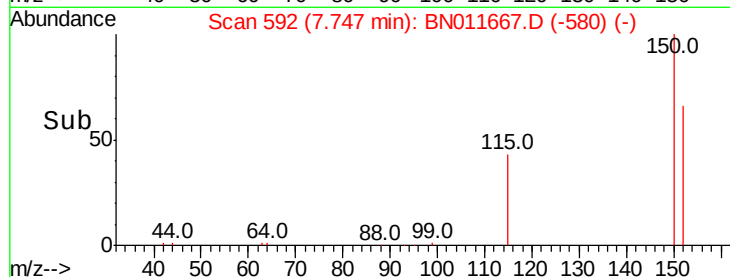
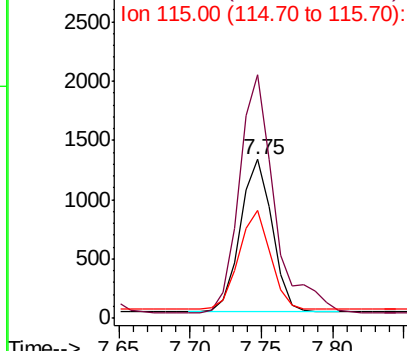
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.75 min Scan# 592
 Delta R.T. 0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Instrument :
 BNA_N
 ClientSampleId :
 PB131252BSD

Tot Ion:152 Resp: 1985
 Ion Ratio Lower Upper
 152 100
 150 153.3 121.0 181.6
 115 67.7 52.6 78.8

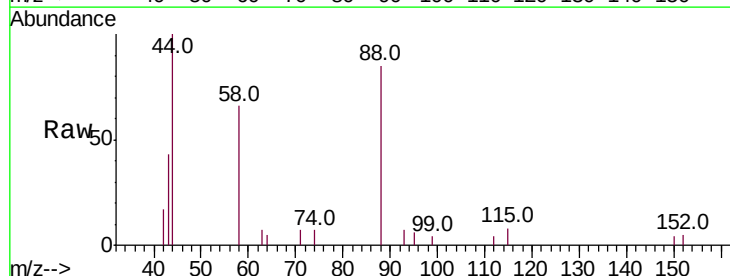


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

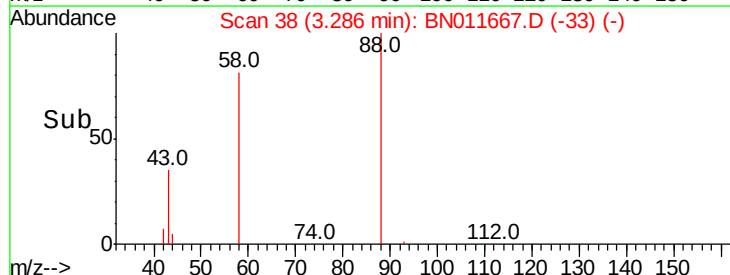
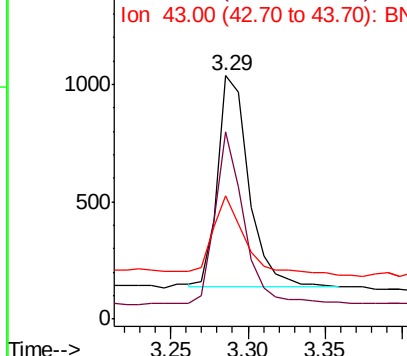


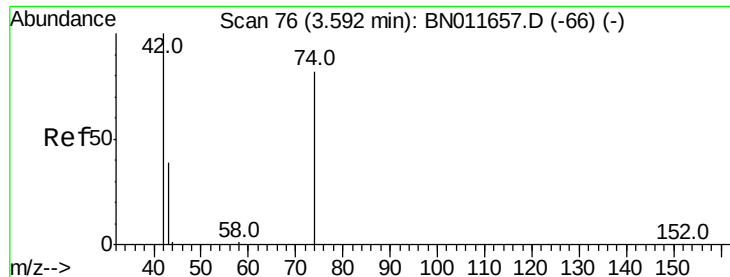
#2
 1,4-Dioxane
 Concen: 0.398 ng
 RT: 3.29 min Scan# 38
 Delta R.T. -0.01 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Tgt Ion: 88 Resp: 1270
 Ion Ratio Lower Upper
 88 100
 58 73.5 61.4 92.0
 43 38.7 29.8 44.8



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

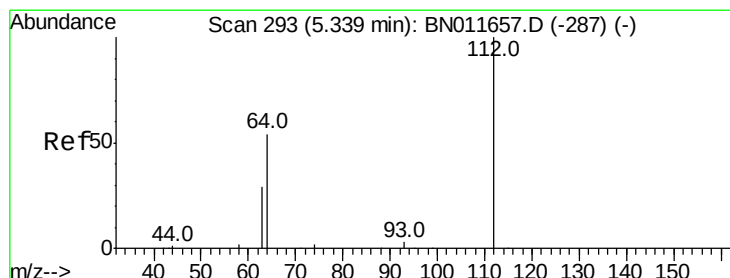
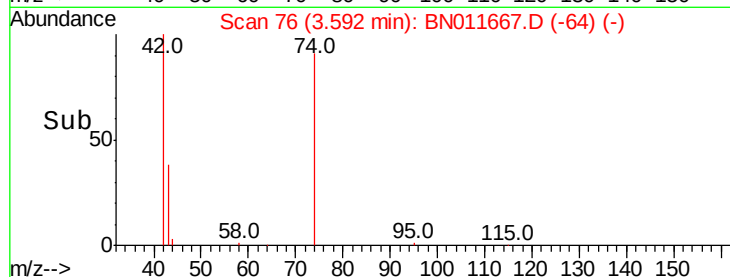
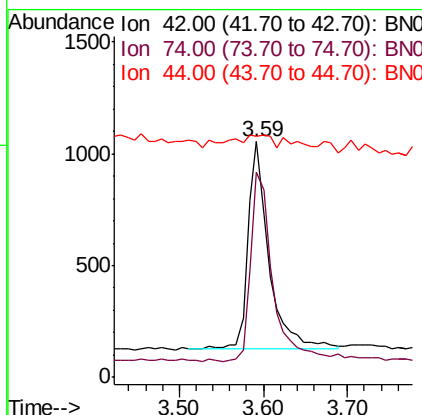
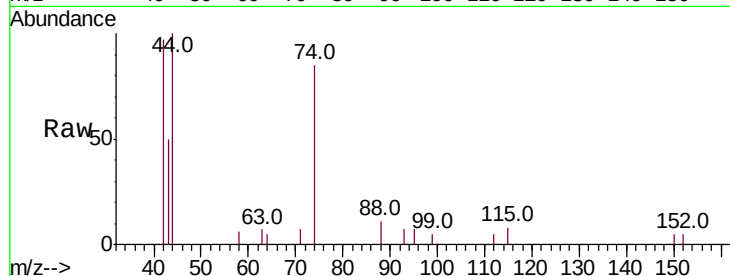




#3
 n-Nitrosodimethylamine
 Concen: 0.433 ng
 RT: 3.59 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

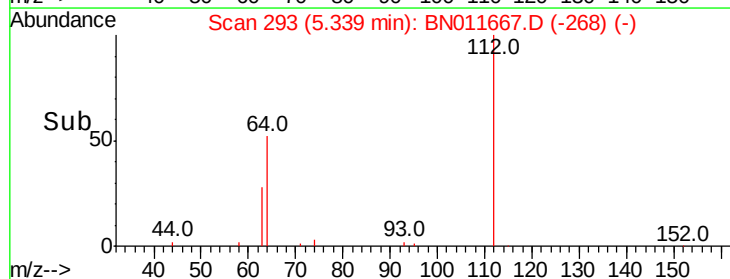
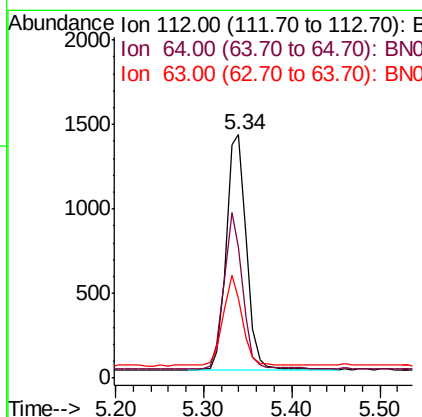
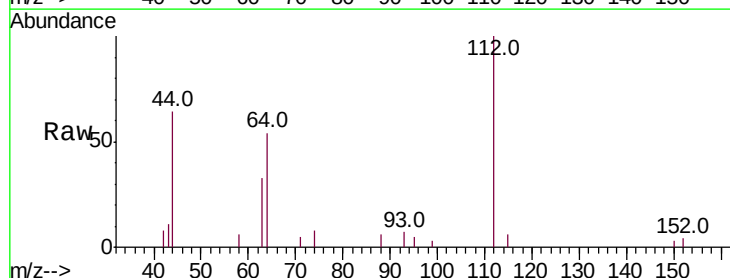
Instrument :
 BNA_N
 ClientSampleId :
 PB131252BSD

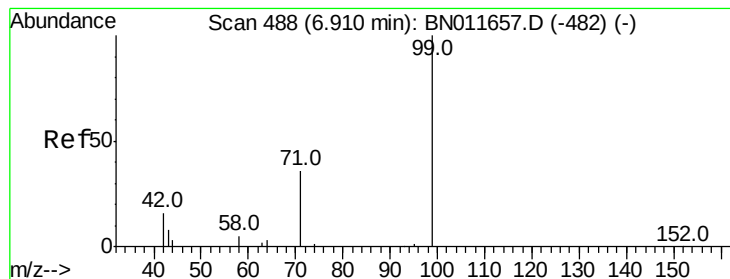
Tot Ion: 42 Resp: 1595
 Ion Ratio Lower Upper
 42 100
 74 95.5 79.0 118.6
 44 13.0 8.1 12.1#



#4
 2-Fluorophenol
 Concen: 0.391 ng
 RT: 5.34 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Tgt Ion: 112 Resp: 2191
 Ion Ratio Lower Upper
 112 100
 64 60.8 49.7 74.5
 63 37.4 29.4 44.0





#5

Phenol-d6

Concen: 0.393 ng

RT: 6.90 min Scan# 487

Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

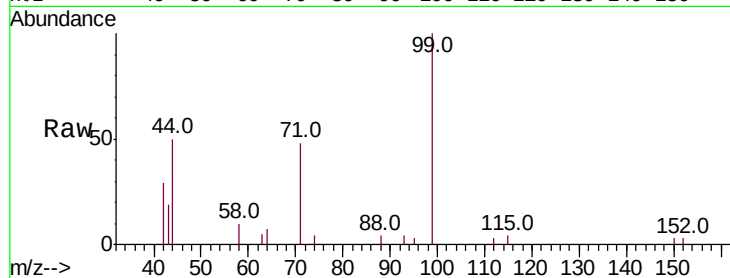
Tot Ion: 99 Resp: 2992

Ion Ratio Lower Upper

99 100

42 23.6 20.2 30.2

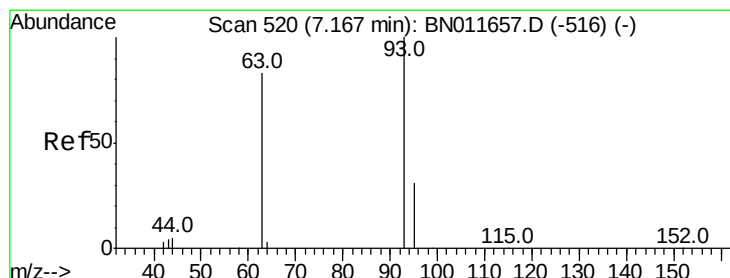
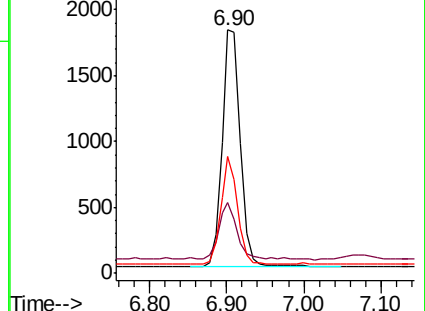
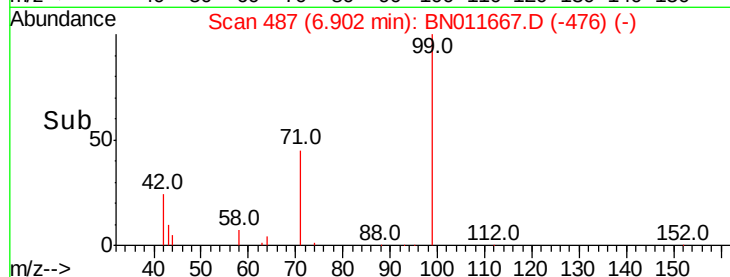
71 41.2 33.3 49.9



Abundance Ion 99.00 (98.70 to 99.70): BN011657.D (-482) (-)

Ion 42.00 (41.70 to 42.70): BN011657.D (-482) (-)

Ion 71.00 (70.70 to 71.70): BN011657.D (-482) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.397 ng

RT: 7.17 min Scan# 520

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

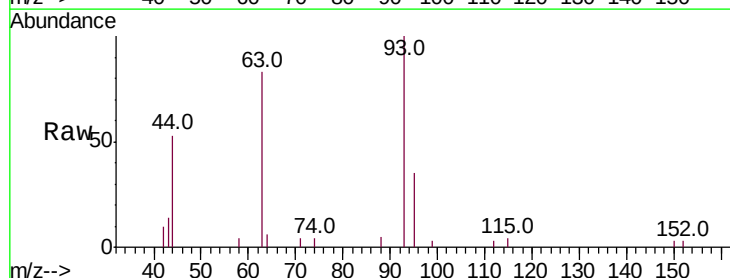
Tgt Ion: 93 Resp: 2461

Ion Ratio Lower Upper

93 100

63 77.7 62.2 93.4

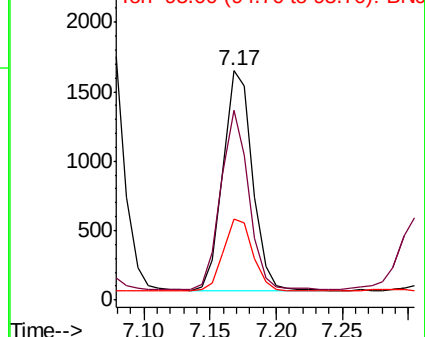
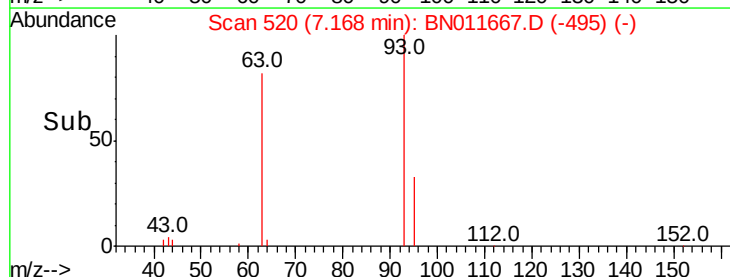
95 33.6 26.6 39.8

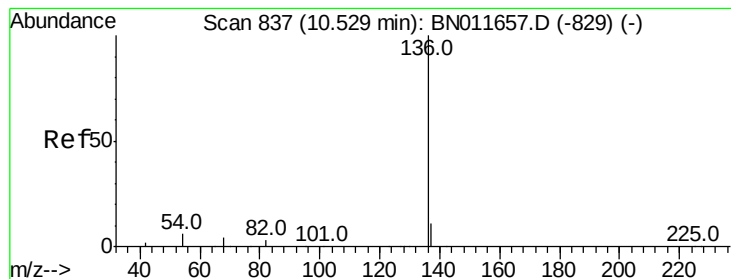


Abundance Ion 93.00 (92.70 to 93.70): BN011657.D (-516) (-)

Ion 63.00 (62.70 to 63.70): BN011657.D (-516) (-)

Ion 95.00 (94.70 to 95.70): BN011657.D (-516) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.53 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

Tot Ion:136 Resp: 7529

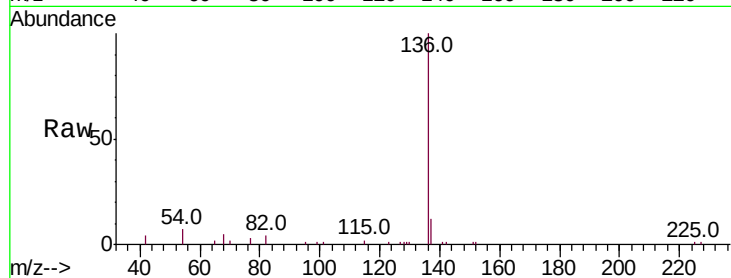
Ion Ratio Lower Upper

136 100

137 12.1 9.3 13.9

54 7.2 5.8 8.8

68 5.3 4.1 6.1

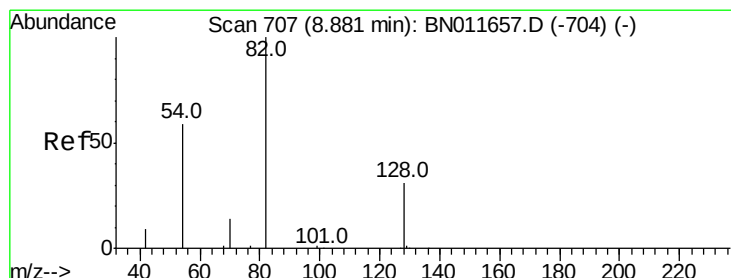
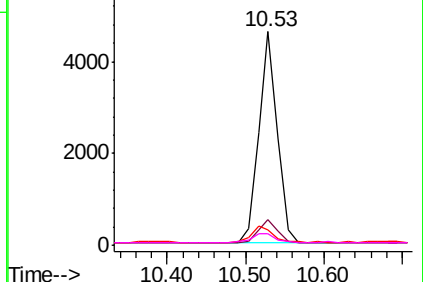
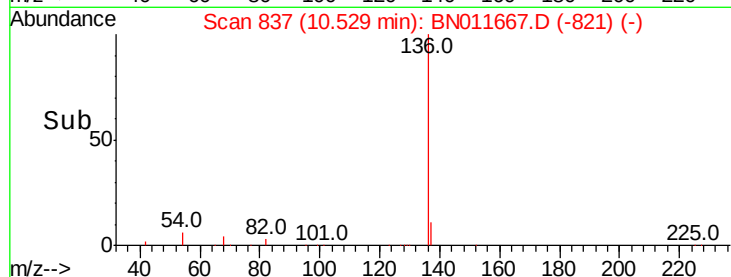


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.397 ng

RT: 8.88 min Scan# 707

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

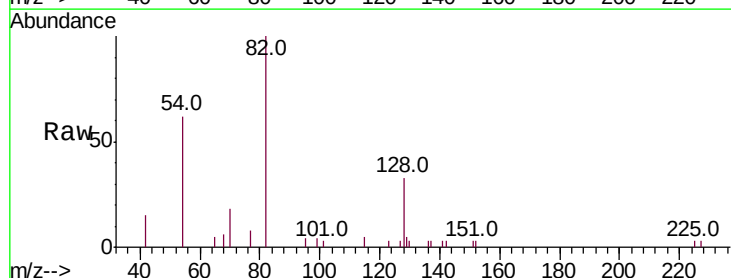
Tgt Ion: 82 Resp: 2893

Ion Ratio Lower Upper

82 100

128 32.8 26.2 39.2

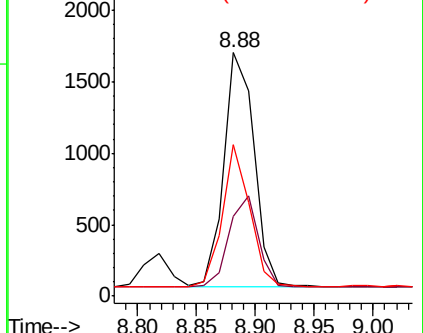
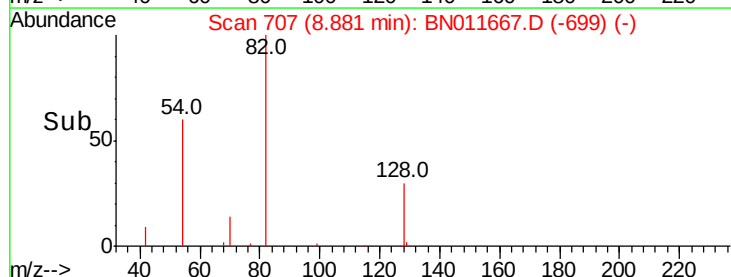
54 62.0 48.2 72.4

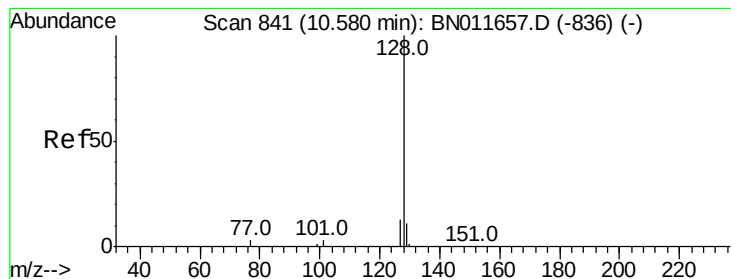


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.395 ng

RT: 10.58 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

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BNA_N

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PB131252BSD

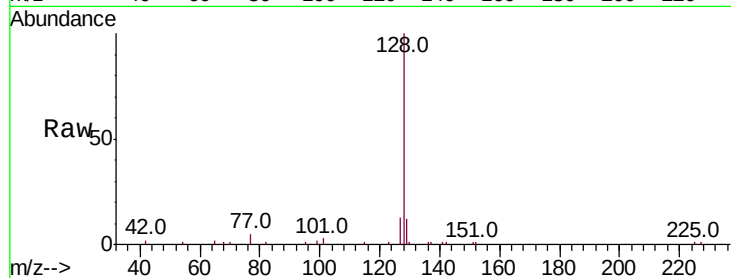
Tot Ion:128 Resp: 8515

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

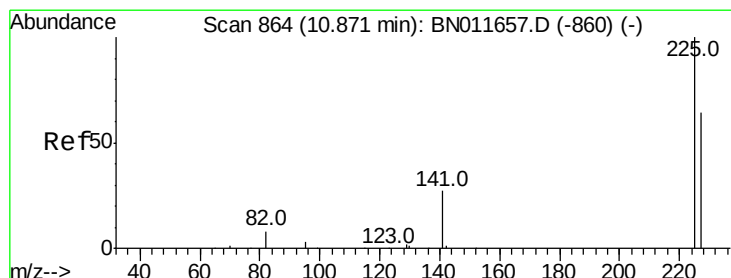
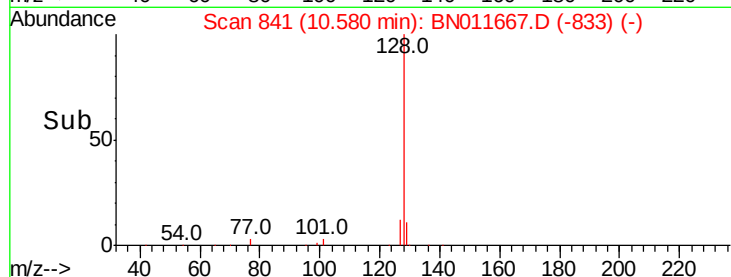
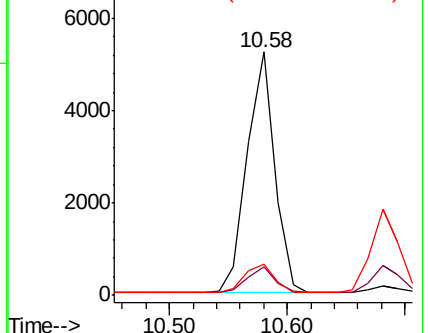
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.400 ng

RT: 10.87 min Scan# 864

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

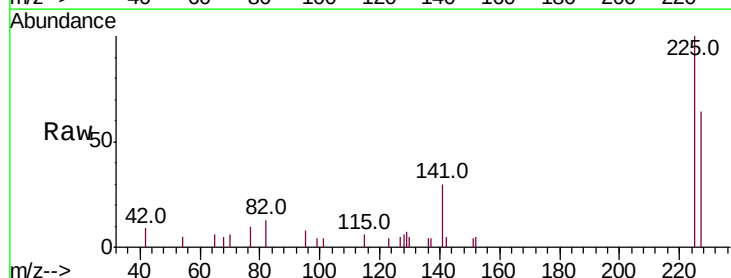
Tgt Ion:225 Resp: 1891

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

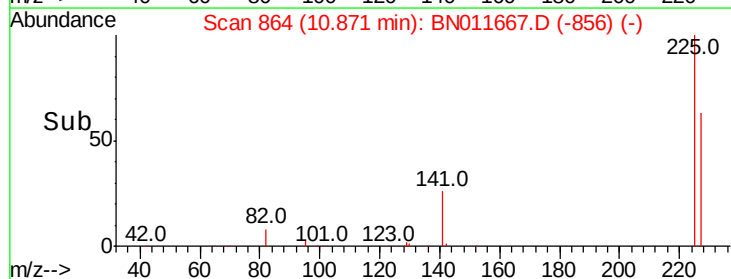
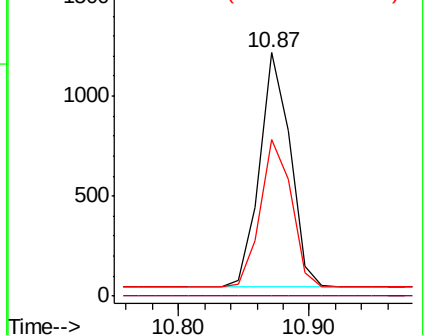
227 64.3 52.3 78.5

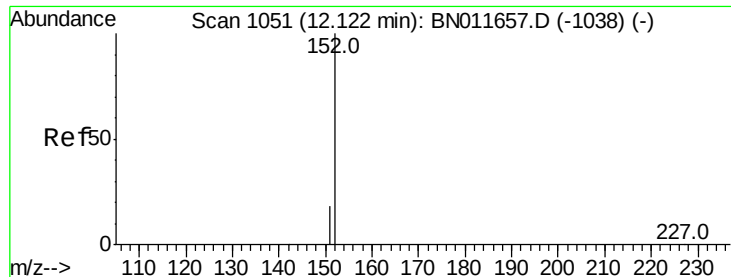


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

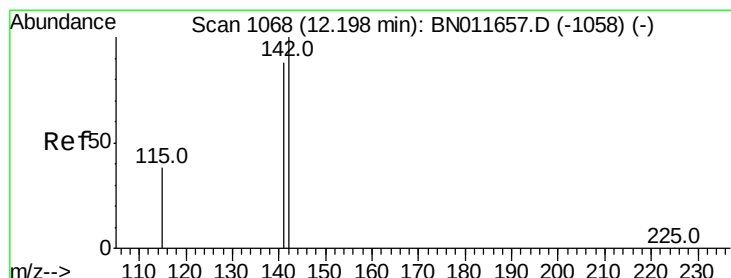
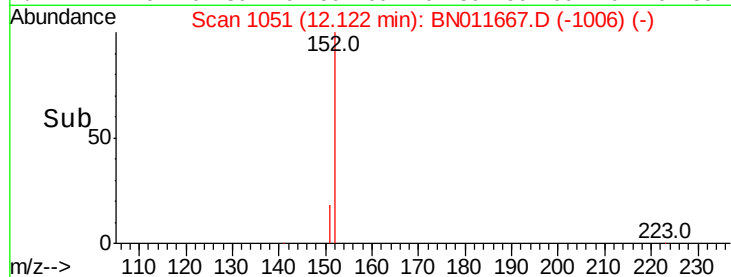
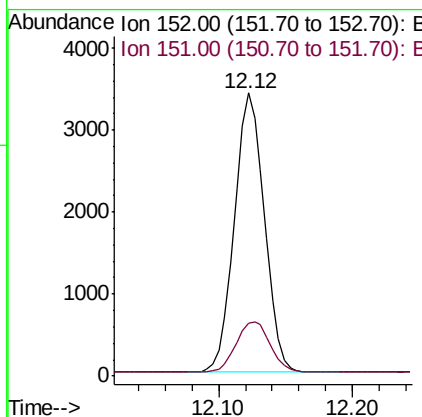
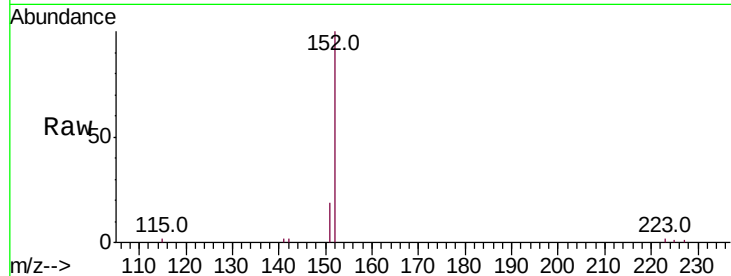




#11
 2-Methylnaphthalene-d10
 Concen: 0.388 ng
 RT: 12.12 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

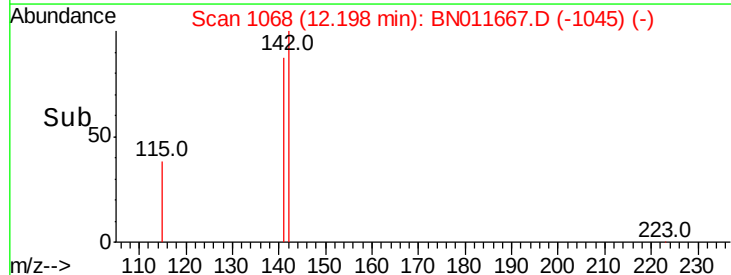
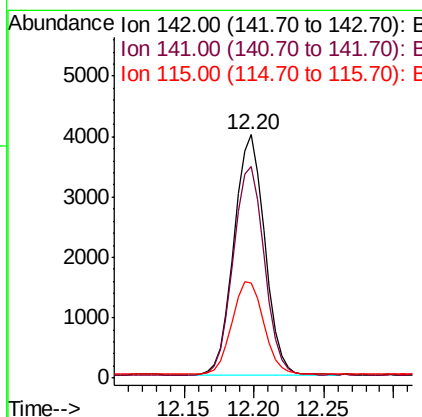
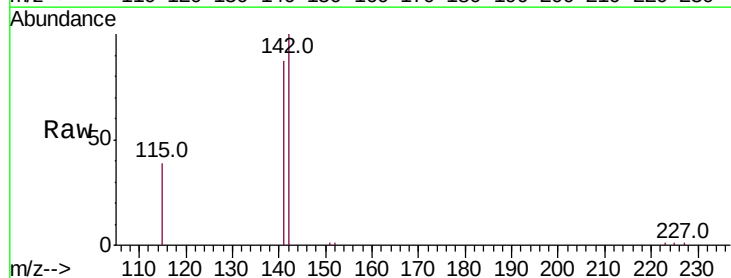
Instrument :
 BNA_N
 ClientSampleId :
 PB131252BSD

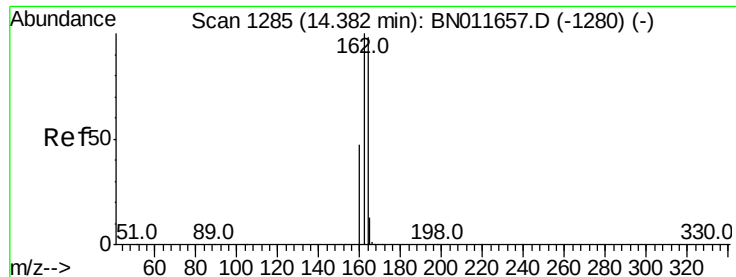
Tot Ion:152 Resp: 5264
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.7 25.1



#12
 2-Methylnaphthalene
 Concen: 0.394 ng
 RT: 12.20 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Tgt Ion:142 Resp: 6034
 Ion Ratio Lower Upper
 142 100
 141 86.8 70.6 106.0
 115 39.3 31.3 46.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

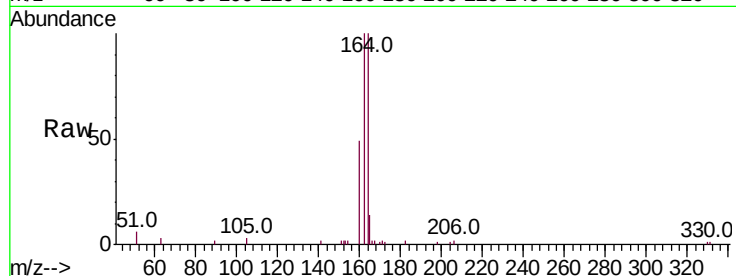
Tot Ion:164 Resp: 4505

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.0

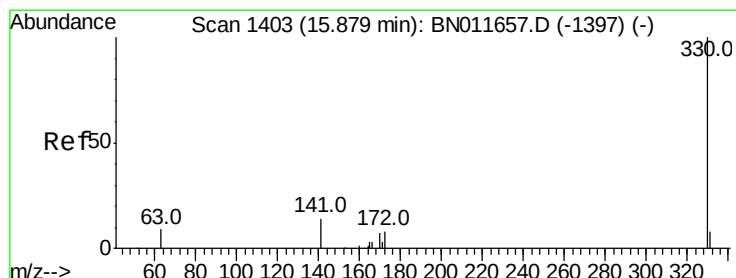
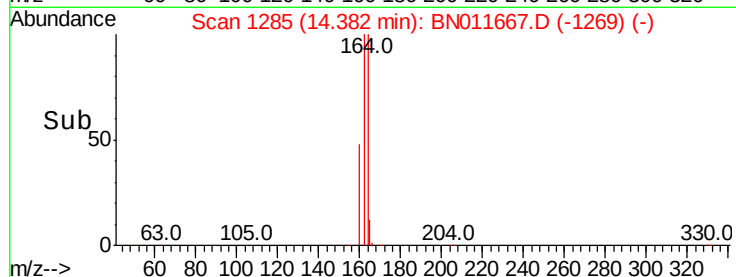
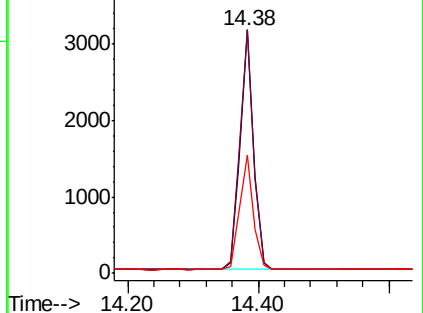
160 48.7 38.5 57.7



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: 15.88 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

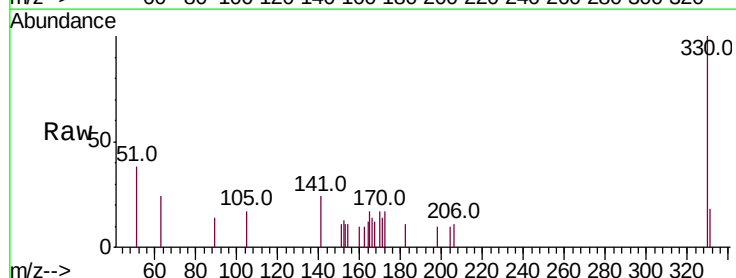
Tgt Ion:330 Resp: 791

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

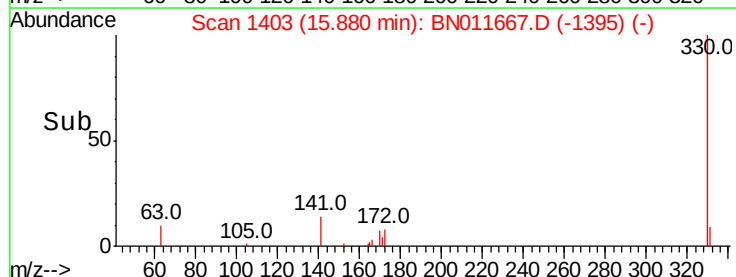
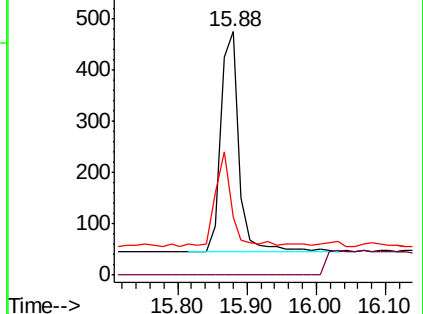
141 37.3 30.0 45.0

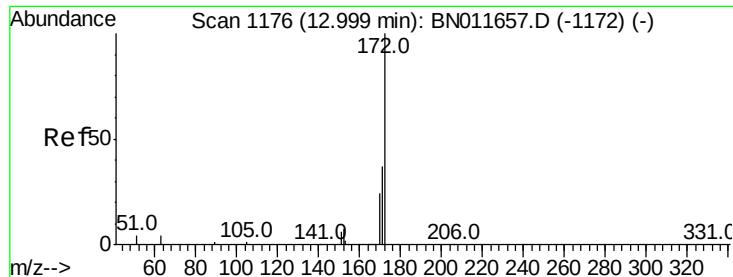


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

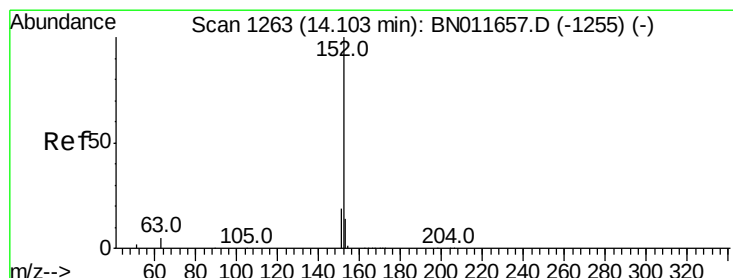
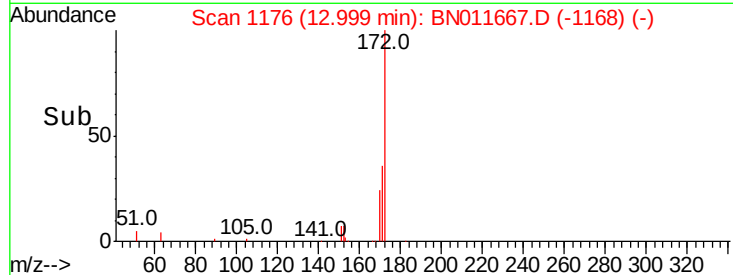
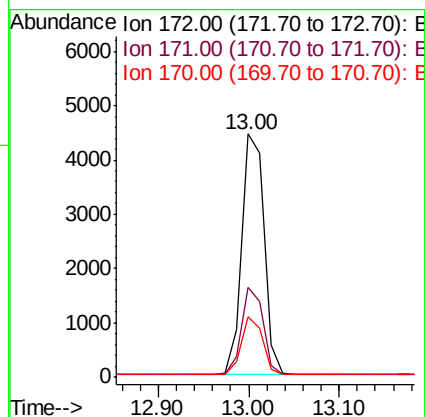
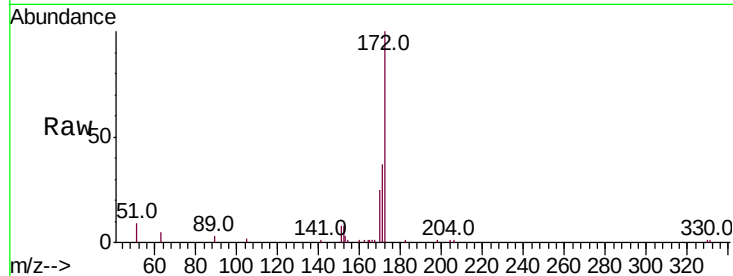




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.00 min Scan# 1176
Delta R.T. 0.00 min
Lab File: BN011667.D
Acq: 27 Aug 2020 16:54

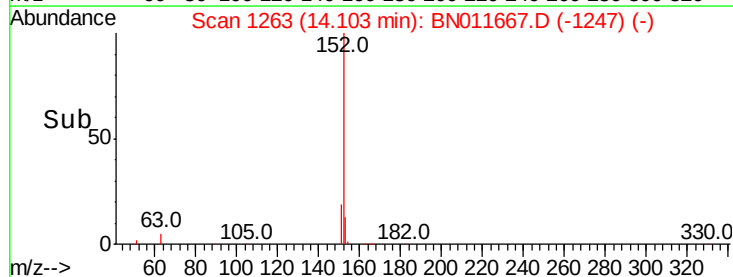
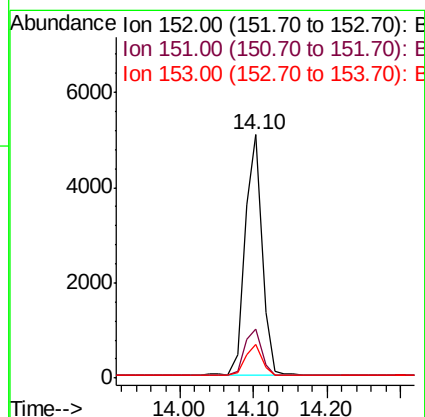
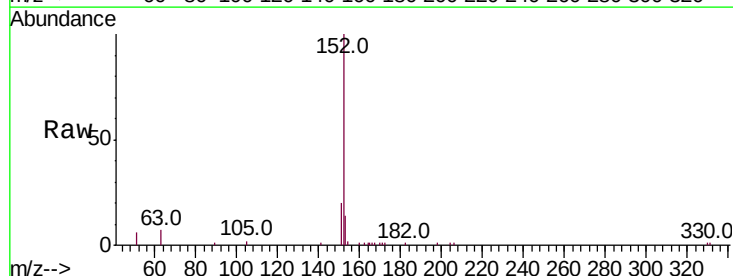
Instrument :
BNA_N
ClientSampleId :
PB131252BSD

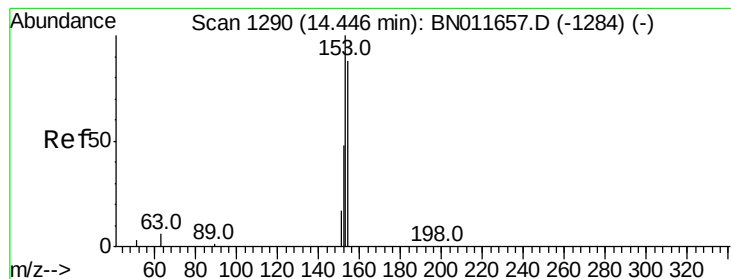
Tot Ion:172 Resp: 7595
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 24.9 20.1 30.1



#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.10 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BN011667.D
Acq: 27 Aug 2020 16:54

Tgt Ion:152 Resp: 8186
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

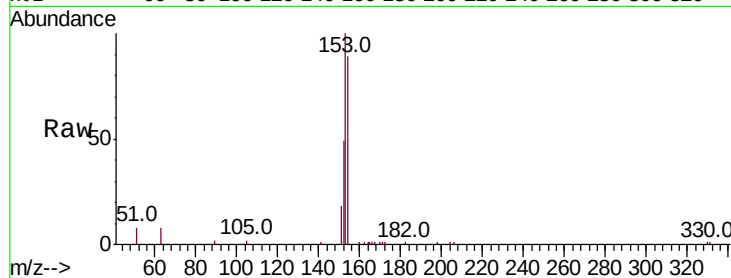
Tot Ion:154 Resp: 5880

Ion Ratio Lower Upper

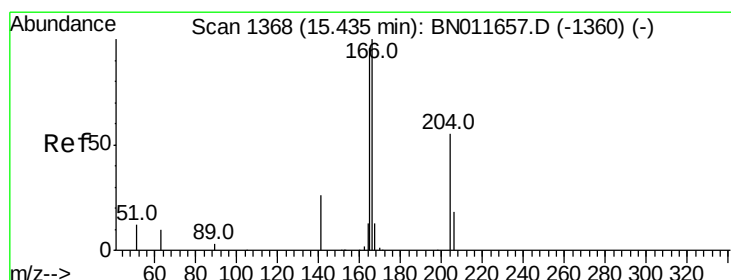
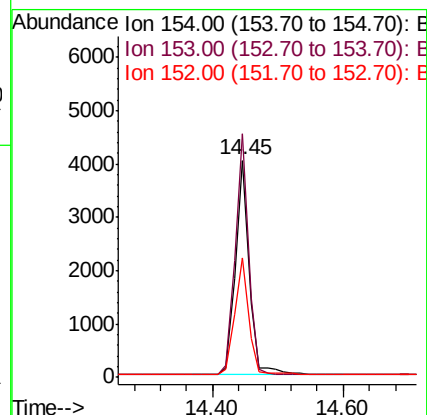
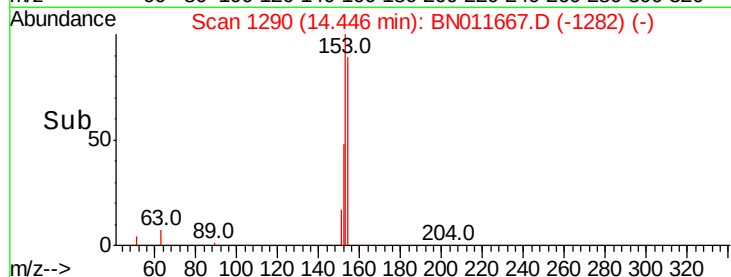
154 100

153 109.3 89.2 133.8

152 54.1 44.1 66.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.387 ng

RT: 15.44 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

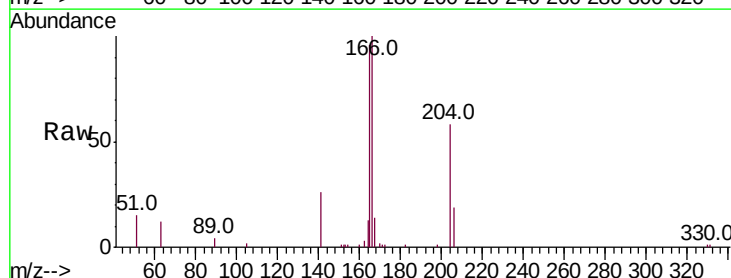
Tgt Ion:166 Resp: 7518

Ion Ratio Lower Upper

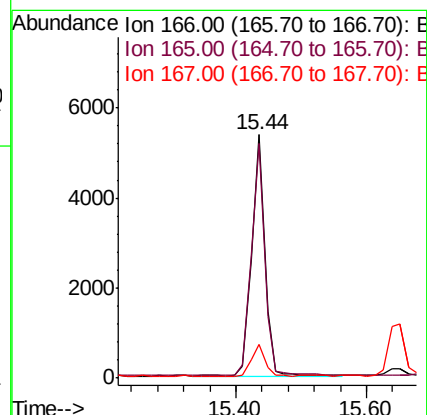
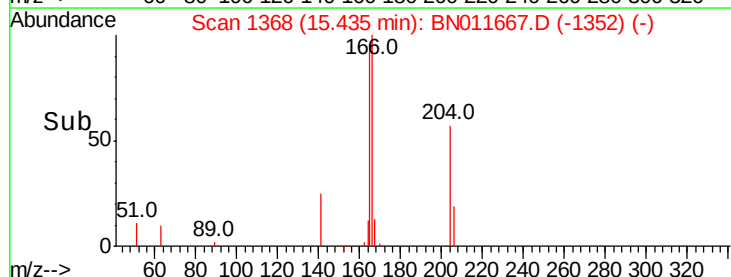
166 100

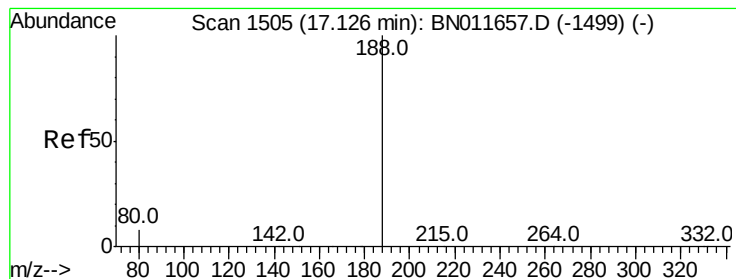
165 97.8 77.7 116.5

167 13.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

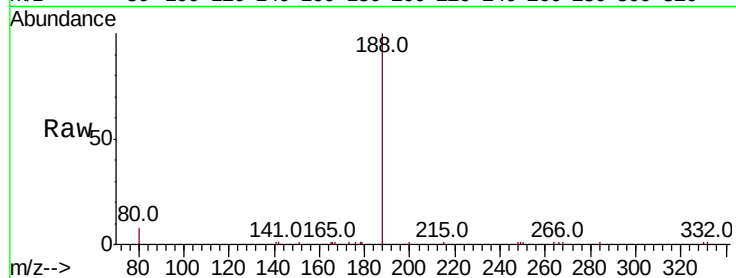
Tot Ion:188 Resp: 9996

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

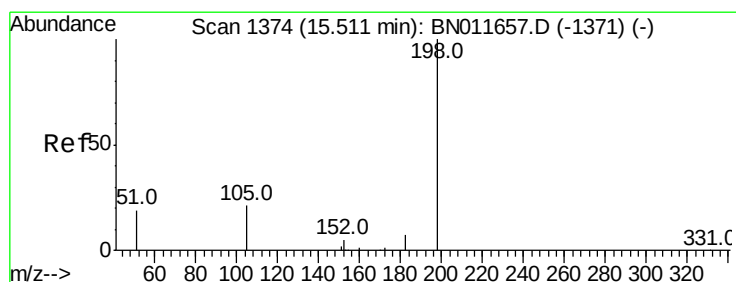
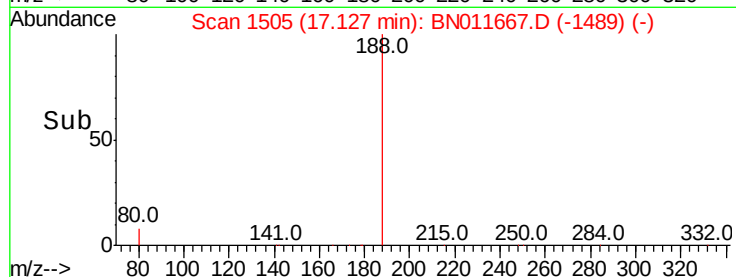
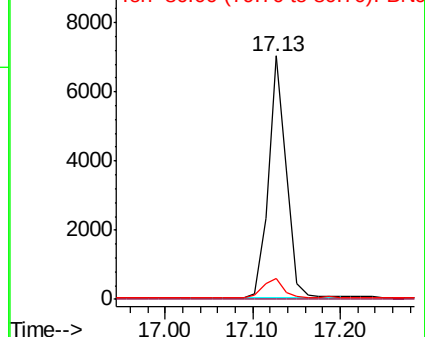
80 8.4 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4,6-Dinitro-2-methylphenol

Concen: 0.399 ng

RT: 15.51 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

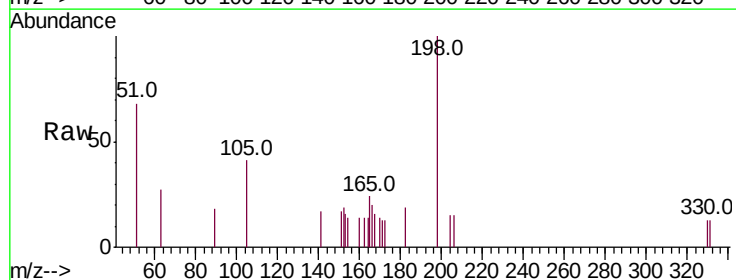
Tgt Ion:198 Resp: 615

Ion Ratio Lower Upper

198 100

51 68.1 58.6 87.8

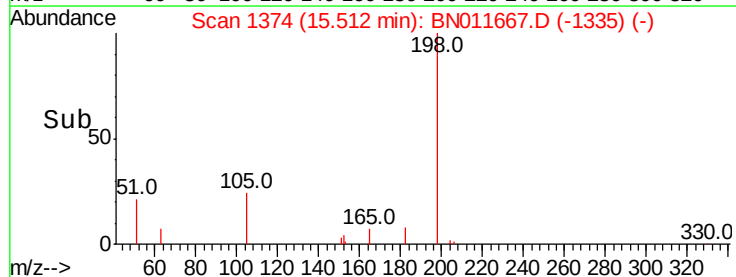
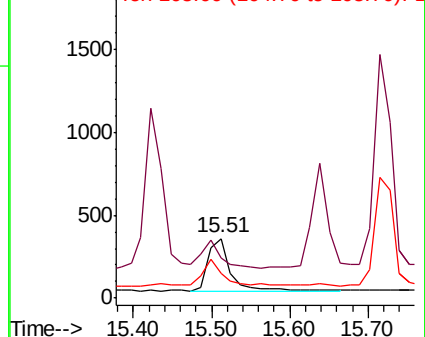
105 40.8 31.7 47.5

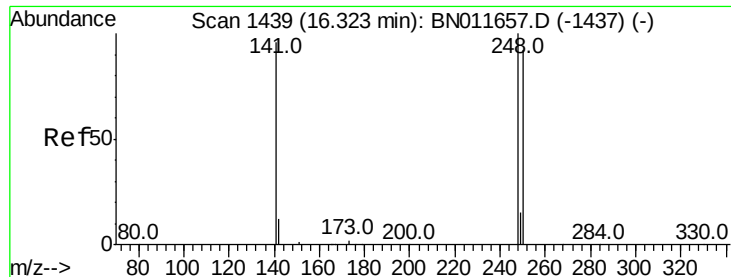


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E





#21

4-Bromophenyl-phenylether

Concen: 0.389 ng

RT: 16.32 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

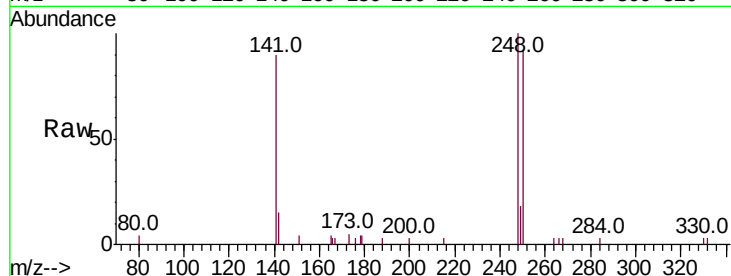
Tot Ion:248 Resp: 2276

Ion Ratio Lower Upper

248 100

250 91.8 73.9 110.9

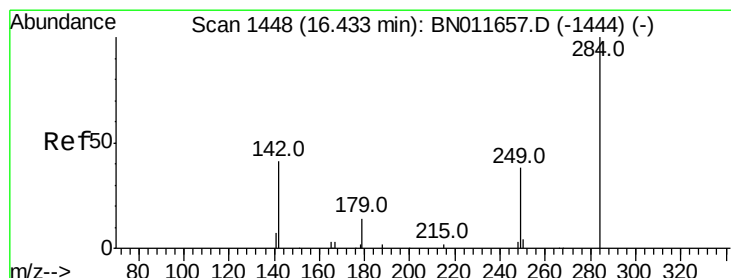
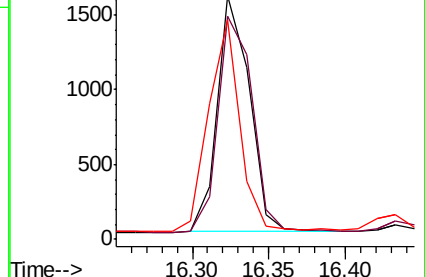
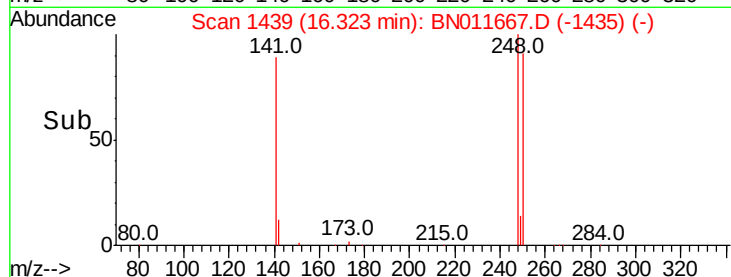
141 89.9 79.8 119.6



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



#22

Hexachlorobenzene

Concen: 0.389 ng

RT: 16.43 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

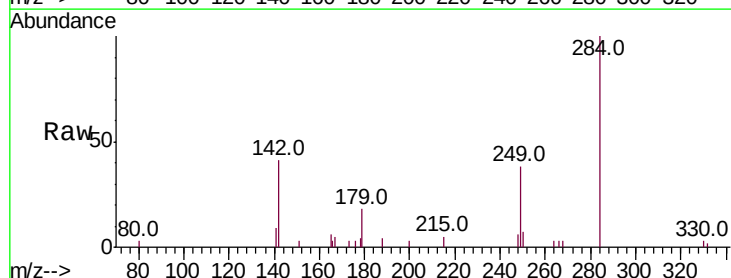
Tgt Ion:284 Resp: 2813

Ion Ratio Lower Upper

284 100

142 36.5 29.0 43.4

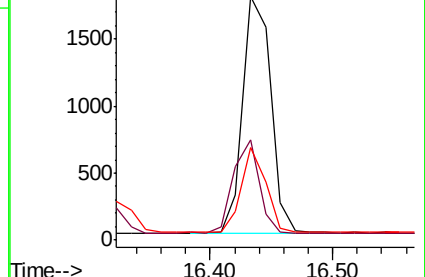
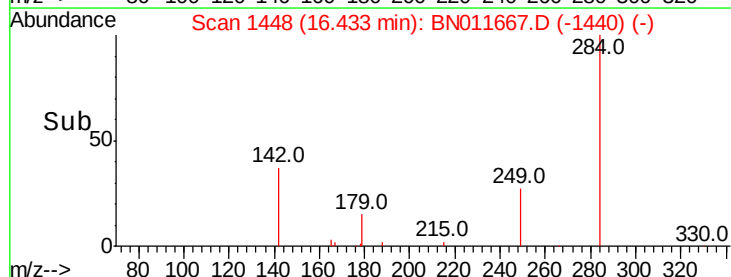
249 31.6 25.7 38.5

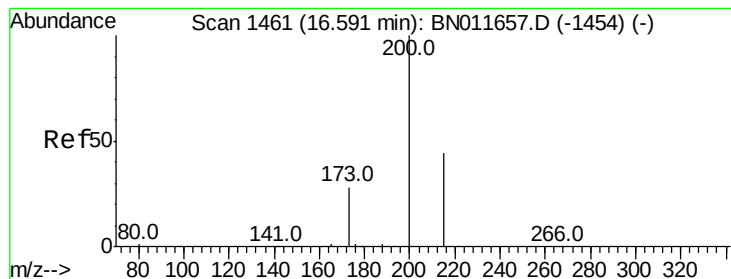


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Atrazine

Concen: 0.275 ng

RT: 16.59 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

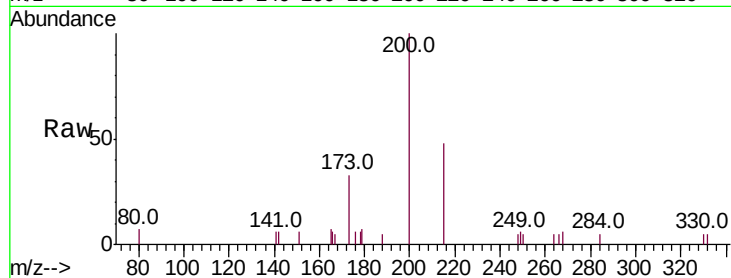
Tot Ion:200 Resp: 1415

Ion Ratio Lower Upper

200 100

173 33.1 24.3 36.5

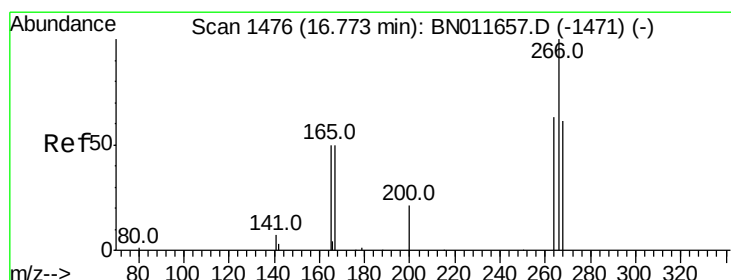
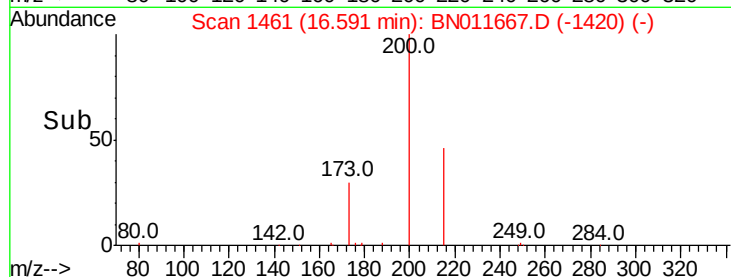
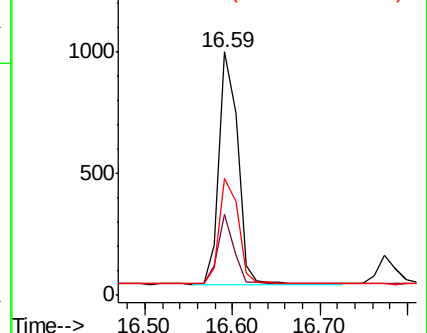
215 48.2 36.4 54.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.344 ng

RT: 16.77 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

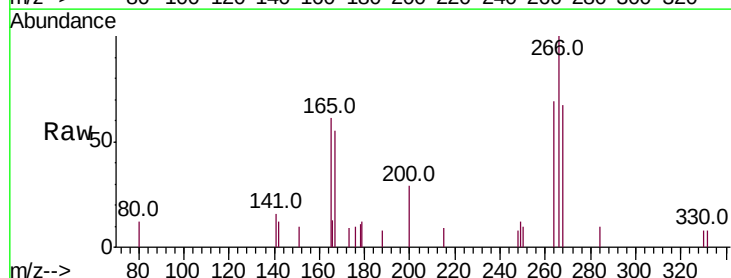
Tgt Ion:266 Resp: 989

Ion Ratio Lower Upper

266 100

264 63.4 49.5 74.3

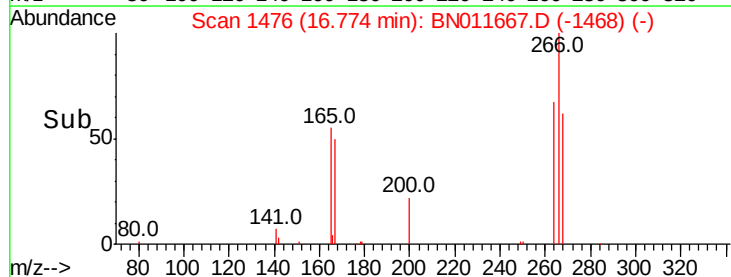
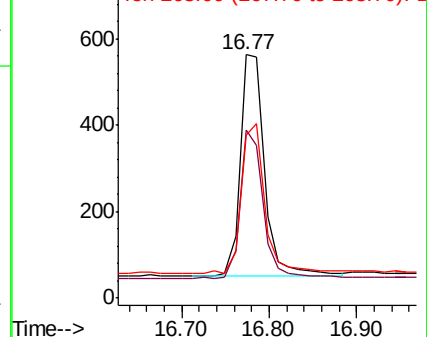
268 64.7 53.0 79.4

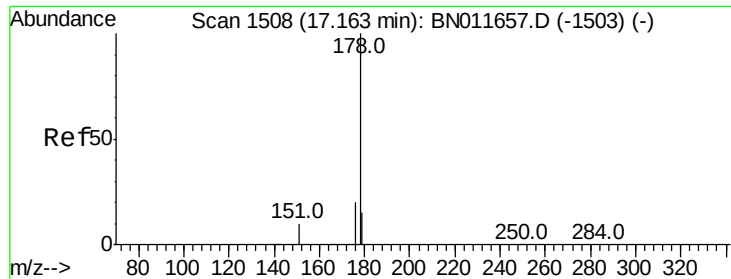


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.389 ng

RT: 17.18 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

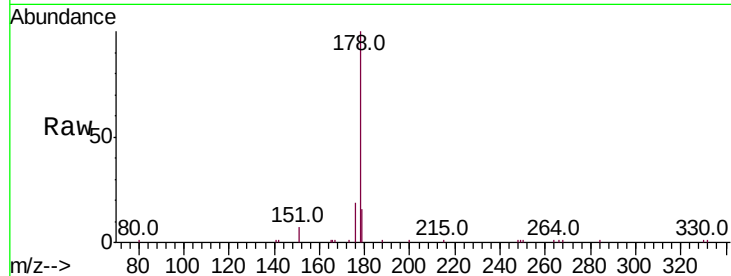
Tot Ion:178 Resp: 12545

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

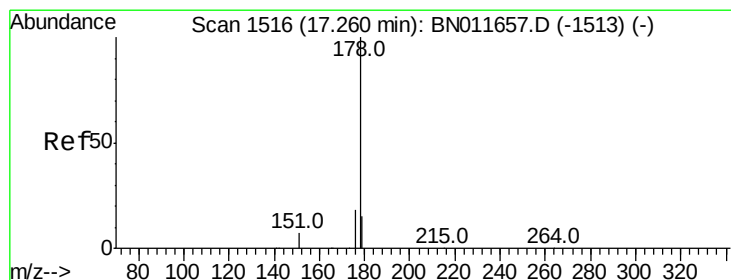
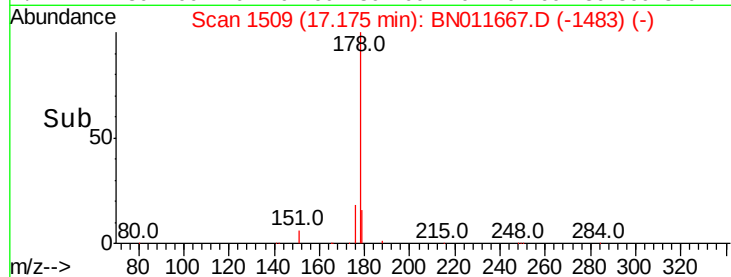
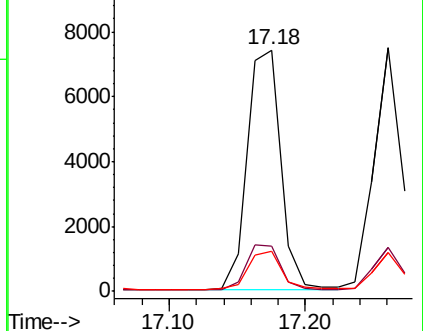
179 15.7 12.4 18.6



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



#26

Anthracene

Concen: 0.381 ng

RT: 17.26 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

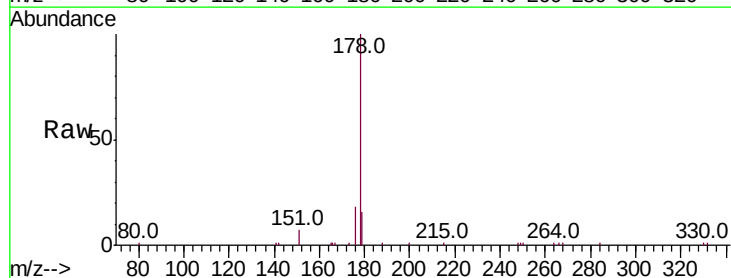
Tgt Ion:178 Resp: 10925

Ion Ratio Lower Upper

178 100

176 17.7 14.5 21.7

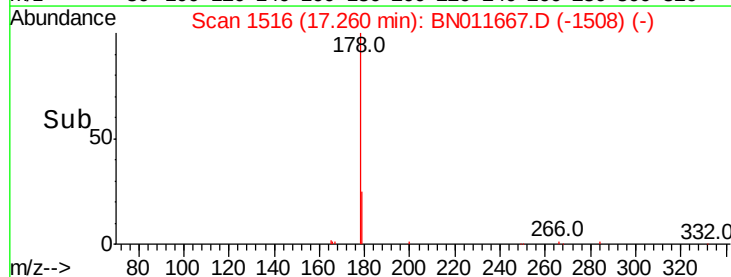
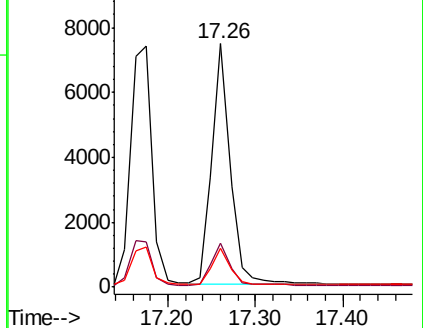
179 15.5 12.2 18.4

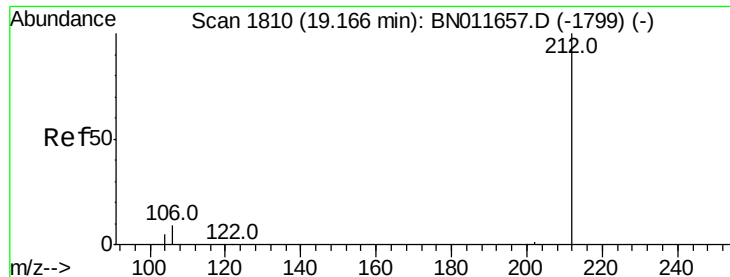


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

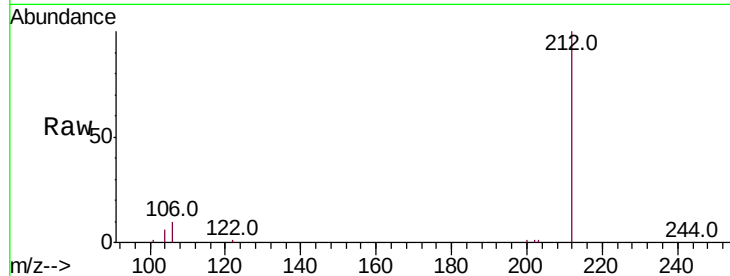




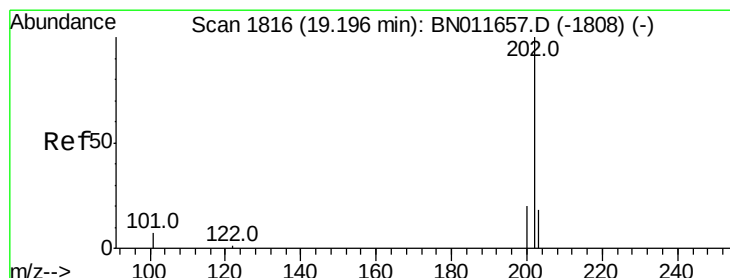
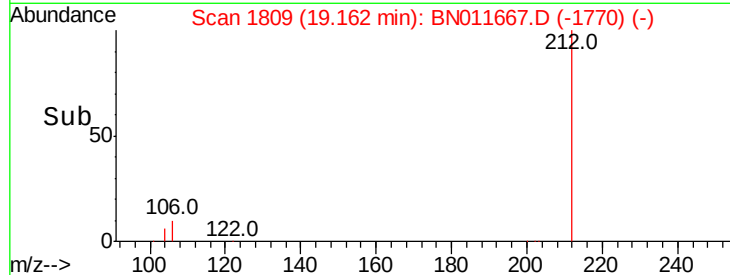
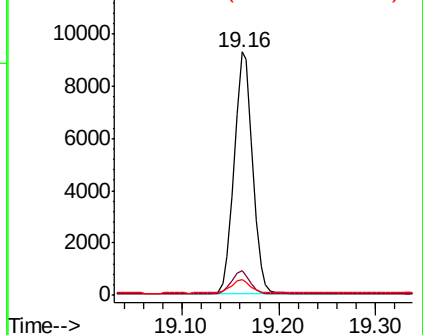
#27
 Fluoranthene-d10
 Concen: 0.385 ng
 RT: 19.16 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Instrument :
 BNA_N
 ClientSampleId :
 PB131252BSD

Tot Ion:212 Resp: 12343
 Ion Ratio Lower Upper
 212 100
 106 9.4 7.6 11.4
 104 5.5 4.6 6.8

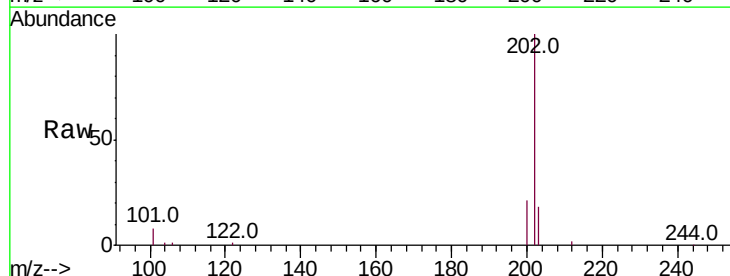


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

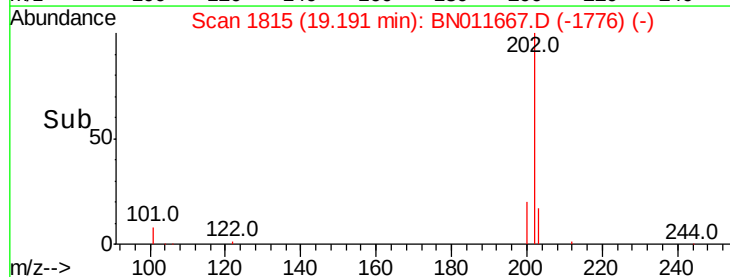
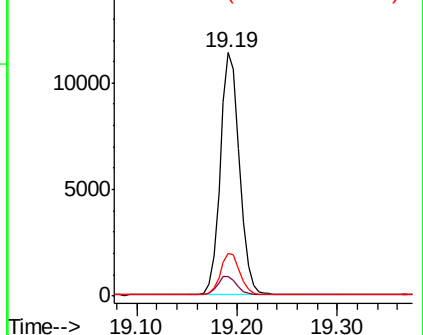


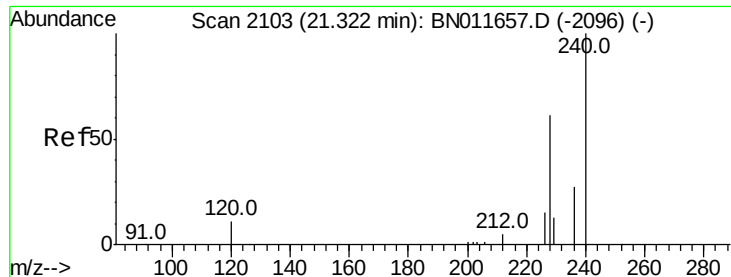
#28
 Fluoranthene
 Concen: 0.395 ng
 RT: 19.19 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BN011667.D
 Acq: 27 Aug 2020 16:54

Tgt Ion:202 Resp: 15137
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.5 9.7
 203 17.3 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





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

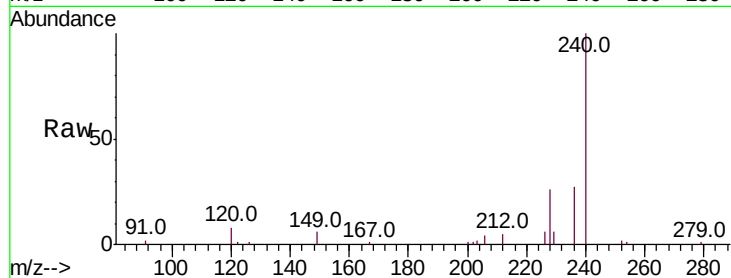
Tot Ion:240 Resp: 11182

Ion Ratio Lower Upper

240 100

120 7.7 9.9 14.9#

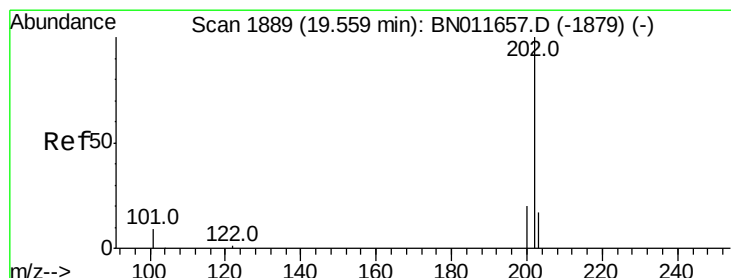
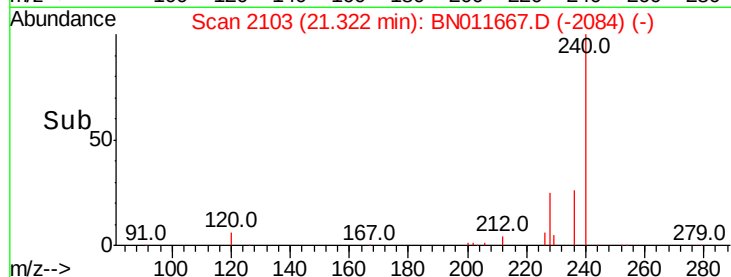
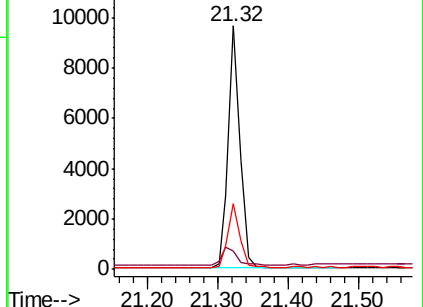
236 26.8 22.2 33.4



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



#30

Pyrene

Concen: 0.398 ng

RT: 19.56 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

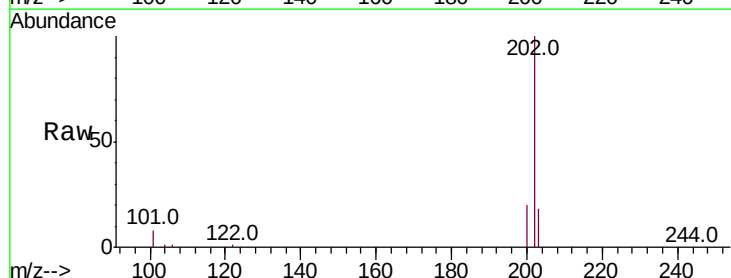
Tgt Ion:202 Resp: 15485

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

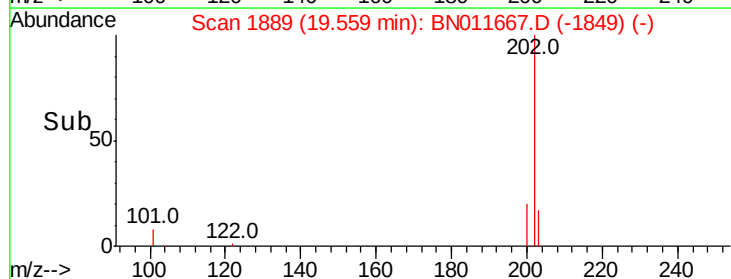
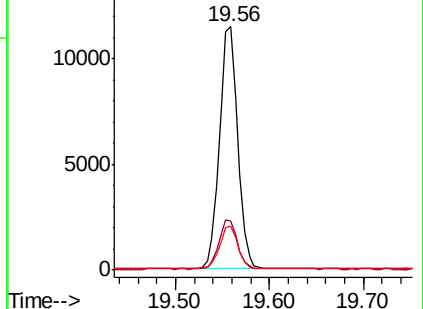
203 17.3 14.1 21.1

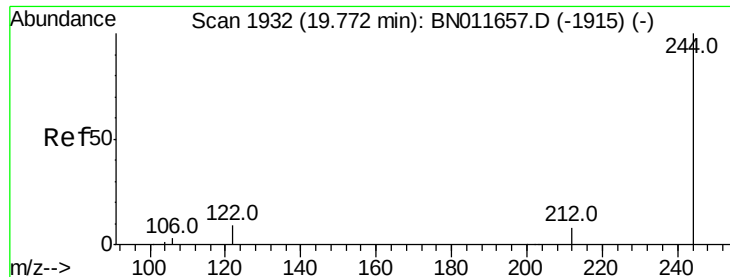


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.413 ng

RT: 19.77 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

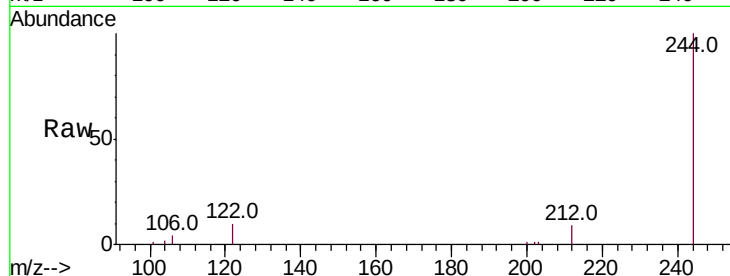
Tot Ion:244 Resp: 11448

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

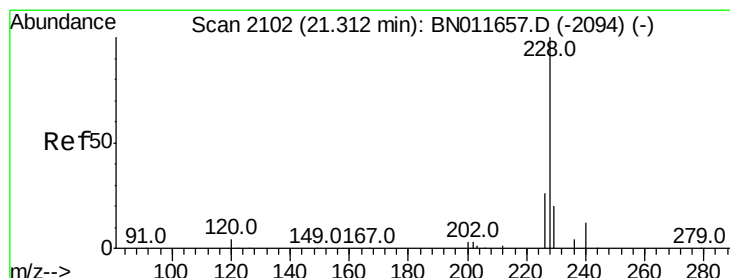
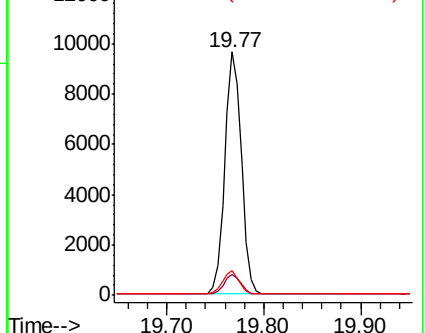
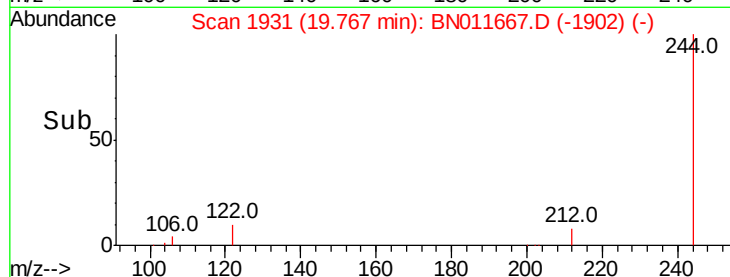
122 10.3 7.4 11.2



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



#32

Benzo(a)anthracene

Concen: 0.385 ng

RT: 21.31 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

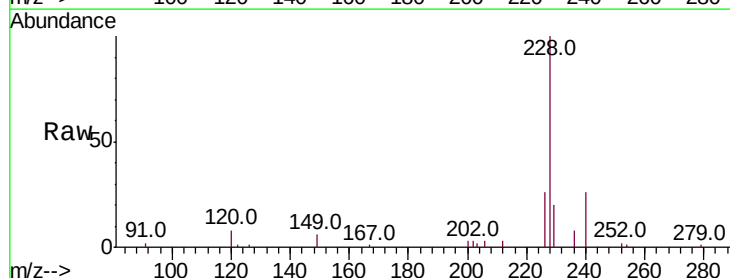
Tgt Ion:228 Resp: 15351

Ion Ratio Lower Upper

228 100

226 25.9 21.2 31.8

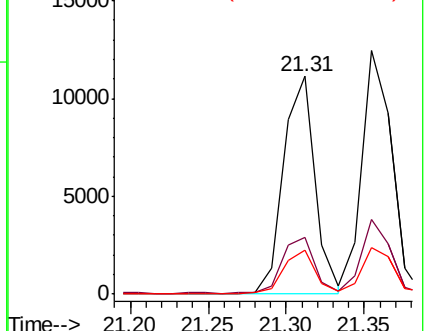
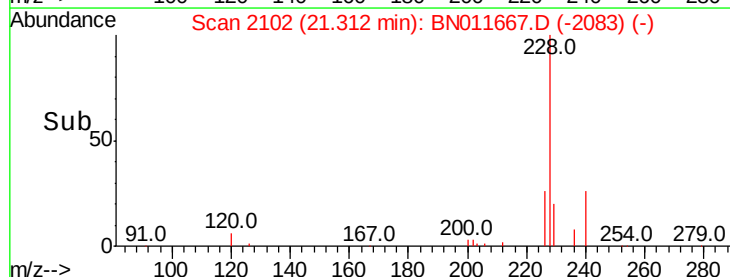
229 20.1 16.0 24.0

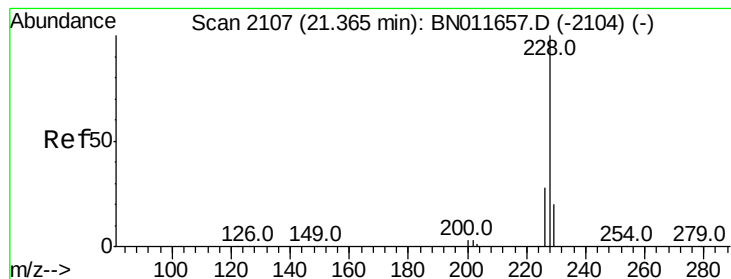


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.394 ng

RT: 21.35 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

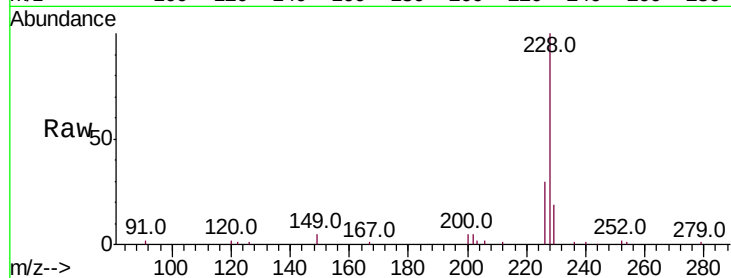
BNA_N

ClientSampleId :

PB131252BSD

Tot Ion:228 Resp: 16231

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.7	34.1
229	19.2	15.9	23.9

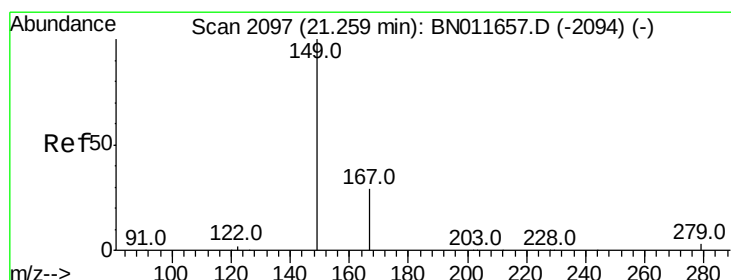
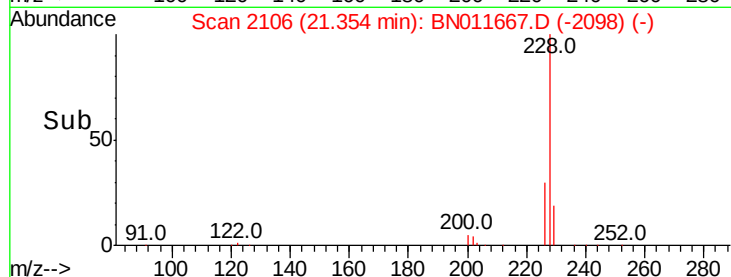
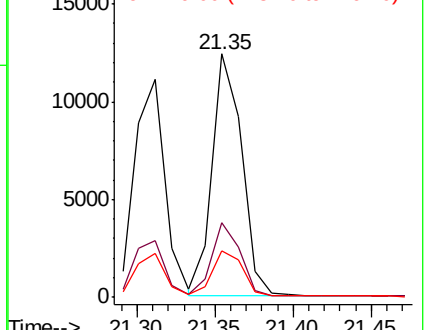


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.368 ng

RT: 21.25 min Scan# 2096

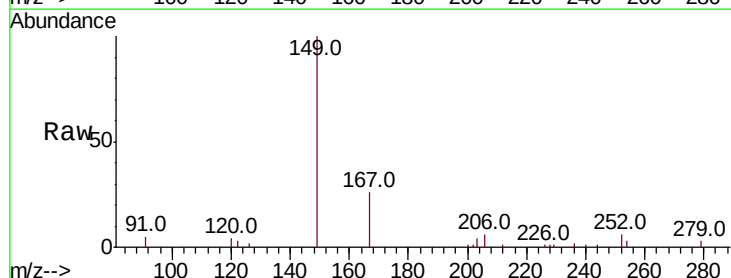
Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Tgt Ion:149 Resp: 5969

Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.2	34.8
279	4.8	4.0	6.0

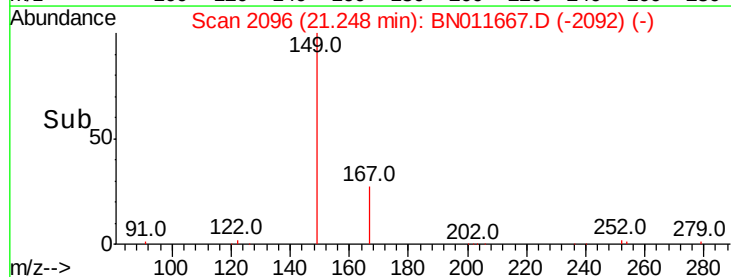
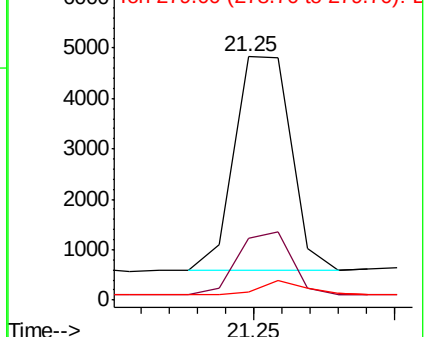


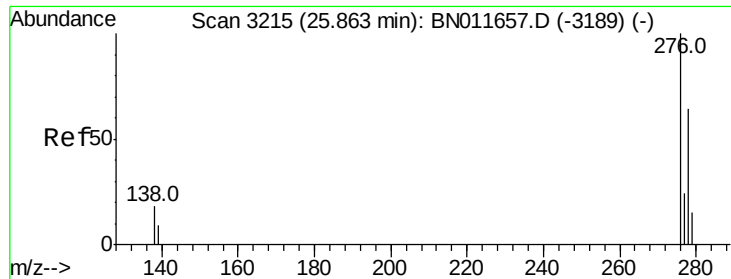
Abundance

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





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.394 ng

RT: 25.85 min Scan# 3212

Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

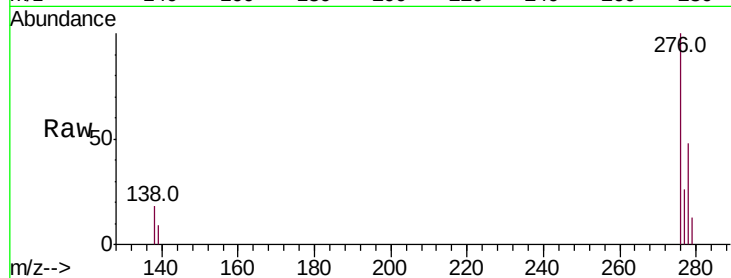
Tot Ion:276 Resp: 21178

Ion Ratio Lower Upper

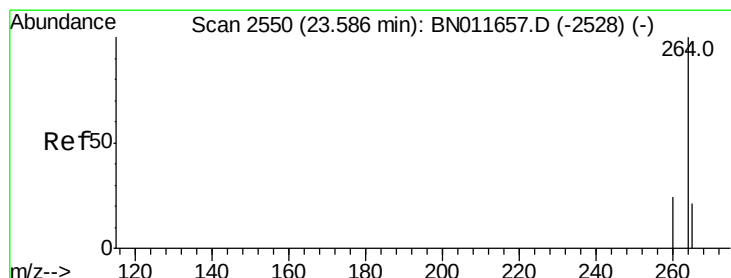
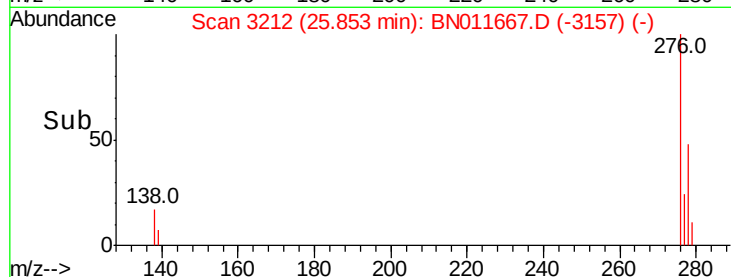
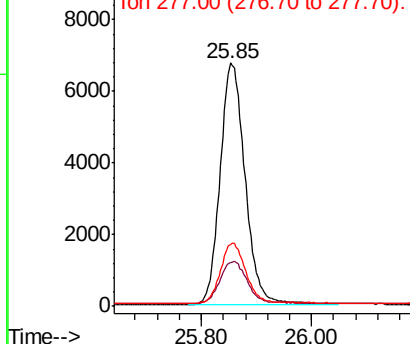
276 100

138 19.0 15.4 23.2

277 25.3 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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.58 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

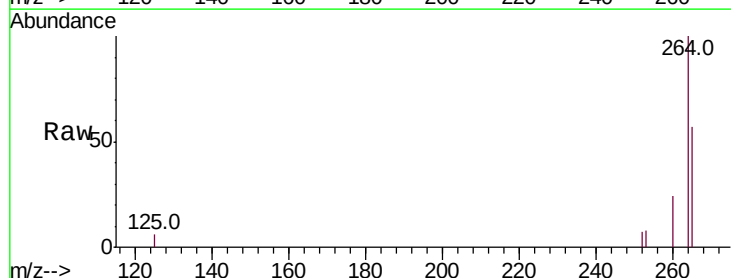
Tgt Ion:264 Resp: 11410

Ion Ratio Lower Upper

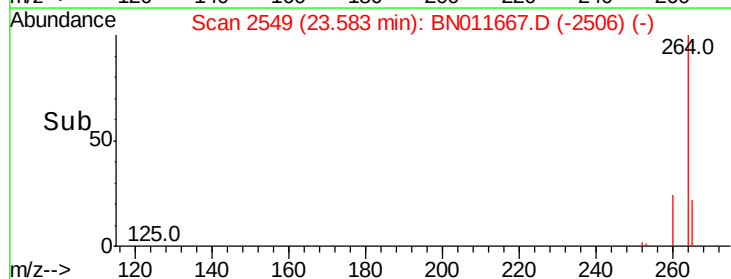
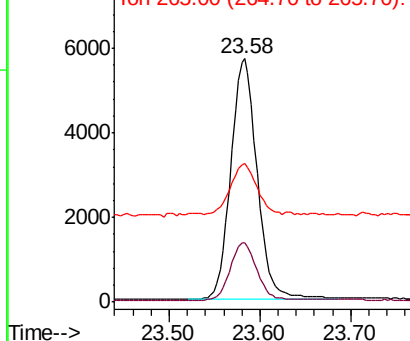
264 100

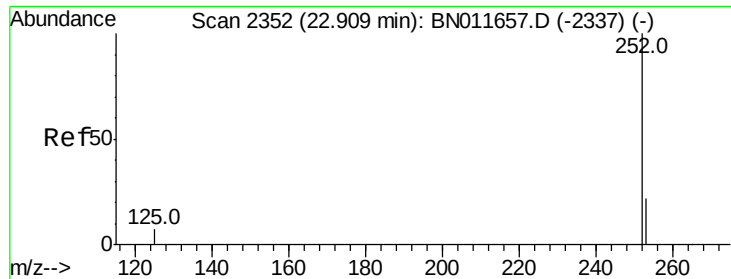
260 24.3 19.8 29.6

265 56.8 38.9 58.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 0.388 ng

RT: 22.90 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

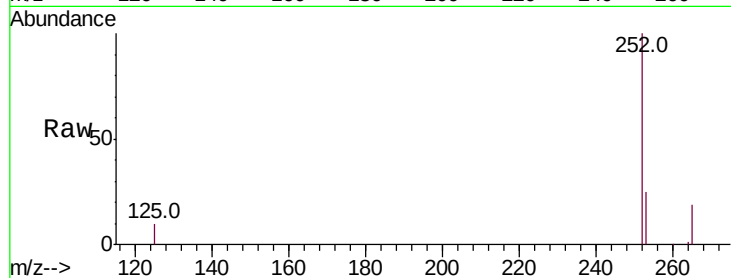
Tot Ion:252 Resp: 16972

Ion Ratio Lower Upper

252 100

253 25.2 19.7 29.5

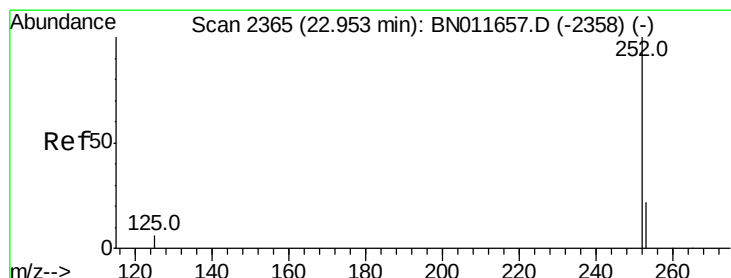
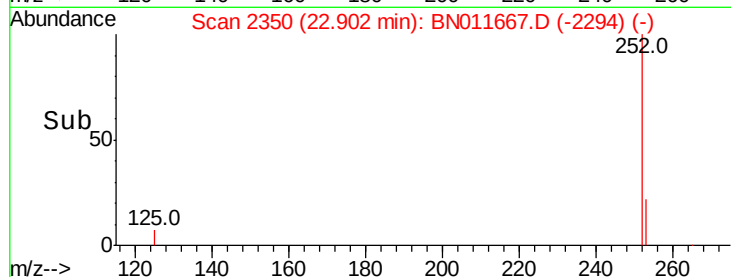
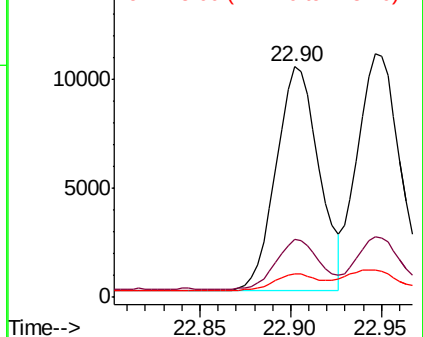
125 9.9 7.8 11.8



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

Benzo(k)fluoranthene

Concen: 0.400 ng

RT: 22.95 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

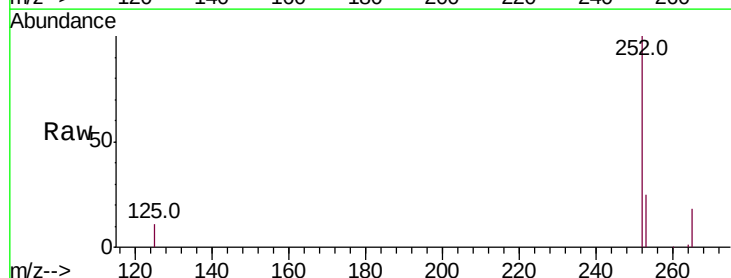
Tgt Ion:252 Resp: 17896

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

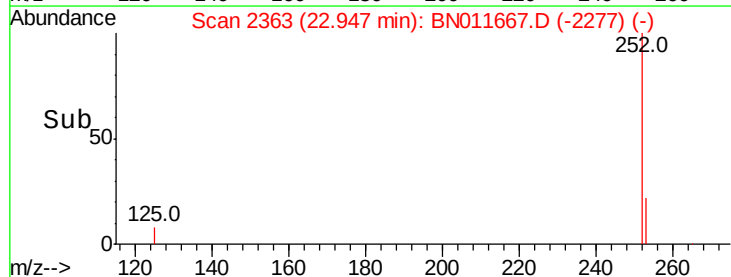
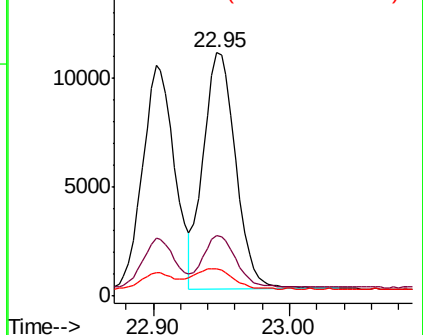
125 11.1 8.4 12.6

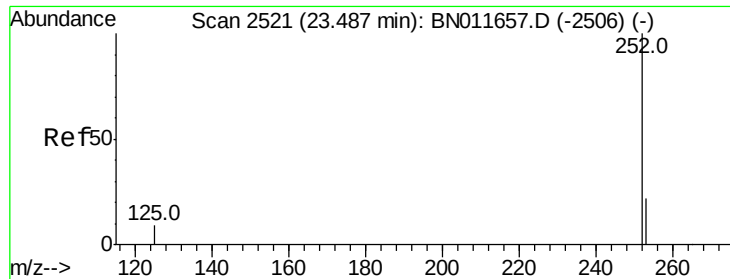


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.48 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

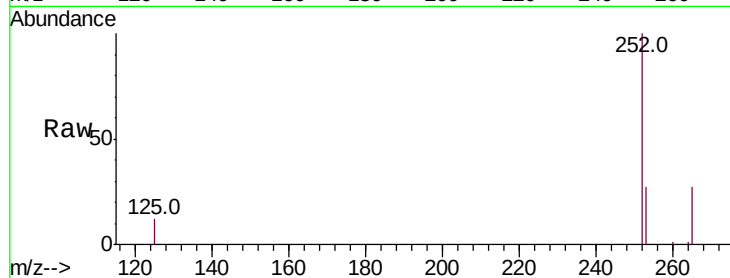
Tot Ion:252 Resp: 14771

Ion Ratio Lower Upper

252 100

253 26.6 20.3 30.5

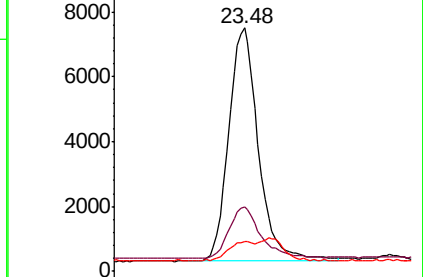
125 12.5 9.8 14.6



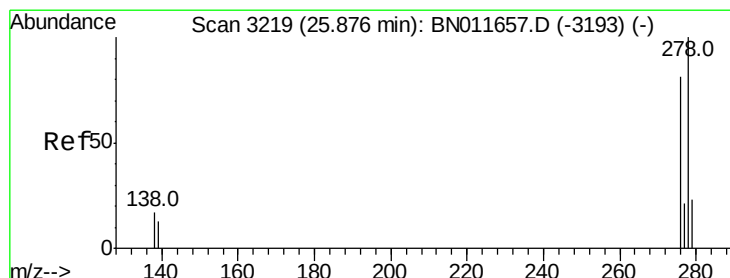
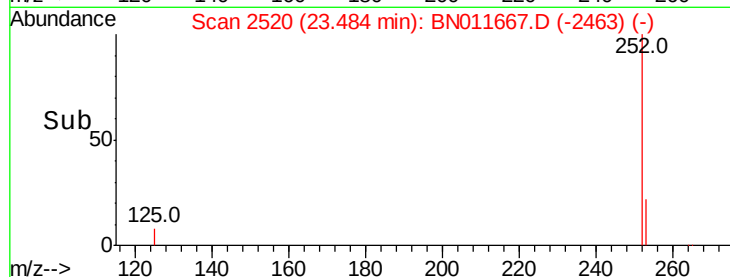
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#40

Dibenzo(a,h)anthracene

Concen: 0.393 ng

RT: 25.87 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

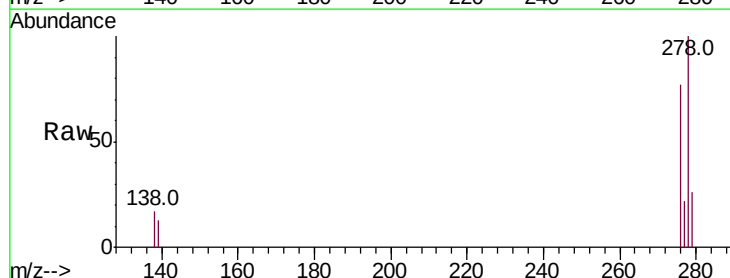
Tgt Ion:278 Resp: 17336

Ion Ratio Lower Upper

278 100

139 13.4 11.0 16.6

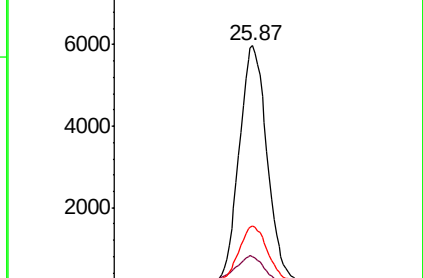
279 26.0 20.5 30.7



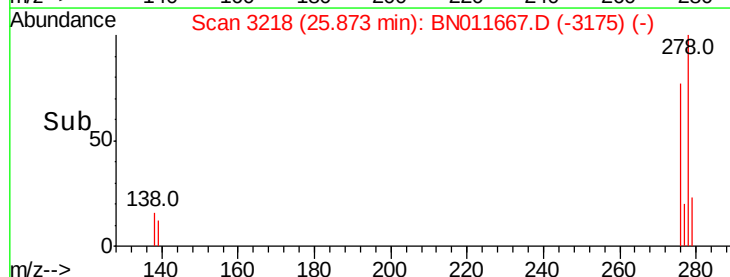
Abundance Ion 278.00 (277.70 to 278.70): E

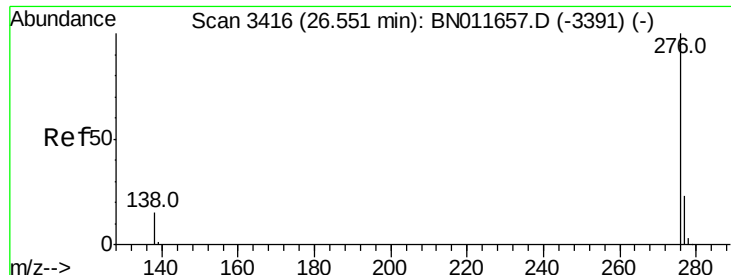
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#41

Benzo(a,h,i)perylene

Concen: 0.383 ng

RT: 26.55 min Scan# 3415

Delta R.T. -0.00 min

Lab File: BN011667.D

Acq: 27 Aug 2020 16:54

Instrument :

BNA_N

ClientSampleId :

PB131252BSD

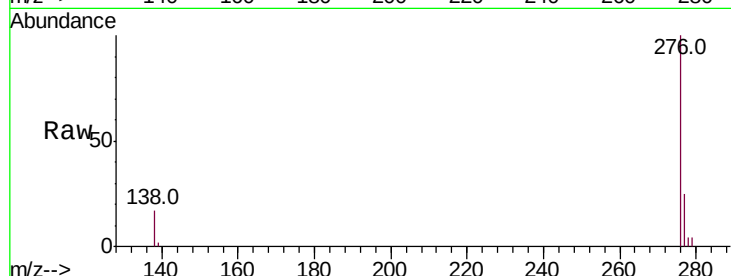
Tot Ion:276 Resp: 16551

Ion Ratio Lower Upper

276 100

277 24.8 19.7 29.5

138 16.9 13.4 20.2



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

