

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007287.D
 Acq On : 21 Aug 2019 10:51
 Operator : HP/JU
 Sample : K4409-01MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 21 12:28:06 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	5701	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	21801	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	12707	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	30050	0.40	ng	0.00
27) Chrysene-d12	21.03	240	30409	0.40	ng	0.00
34) Perylene-d12	23.13	264	32766	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	5680	0.33	ng	0.00
5) Phenol-d6	6.60	99	7385	0.37	ng	0.00
8) Nitrobenzene-d5	8.54	82	5188	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	12578	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	2658	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	15944	0.29	ng	0.00
25) Fluoranthene-d10	18.85	212	27321	0.29	ng	0.00
29) Terphenyl-d14	19.47	244	19919	0.26	ng	0.00

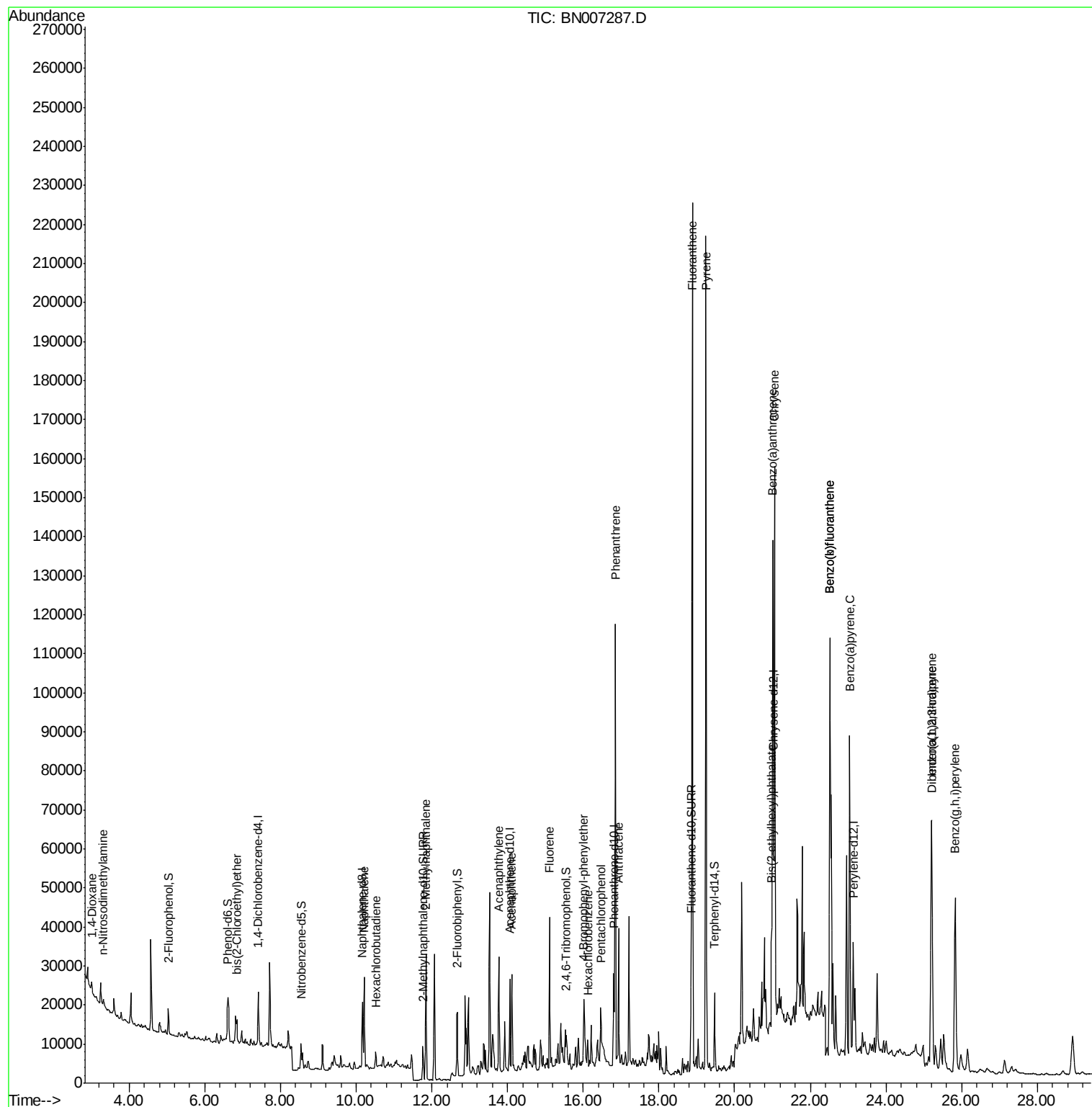
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	1823	0.225	ng	# 1
3) n-Nitrosodimethylamine	3.32	42	1126	0.208	ng	# 75
6) bis(2-Chloroethyl)ether	6.85	93	4675	0.278	ng	98
9) Naphthalene	10.22	128	27336	0.442	ng	99
10) Hexachlorobutadiene	10.52	225	3111	0.228	ng	# 97
12) 2-Methylnaphthalene	11.84	142	23028	0.538	ng	99
16) Acenaphthylene	13.77	152	32565	0.483	ng	99
17) Acenaphthene	14.11	154	12860	0.299	ng	98
18) Fluorene	15.12	166	17968	0.320	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	4288	0.249	ng	# 82
21) Hexachlorobenzene	16.12	284	4452	0.224	ng	98
22) Pentachlorophenol	16.46	266	5523	0.691	ng	97
23) Phenanthrene	16.85	178	111581	1.185	ng	100
24) Anthracene	16.93	178	37204	0.439	ng	97
26) Fluoranthene	18.88	202	205072	1.798	ng	100
28) Pyrene	19.24	202	197195	1.734	ng	97
30) Benzo(a)anthracene	21.00	228	111681	0.988	ng	95
31) Chrysene	21.06	228	132281	1.146	ng	98
32) Bis(2-ethylhexyl)phthalate	20.98	149	22744	0.503	ng	99
33) Indeno(1,2,3-cd)pyrene	25.20	276	91611	0.660	ng	99
35) Benzo(b)fluoranthene	22.51	252	155754	1.275	ng	99
36) Benzo(k)fluoranthene	22.51	252	155754	1.302	ng	99
37) Benzo(a)pyrene	23.04	252	109361	0.993	ng	100
38) Dibenzo(a,h)anthracene	25.22	278	41225	0.356	ng	# 93
39) Benzo(g,h,i)perylene	25.83	276	87559	0.749	ng	99

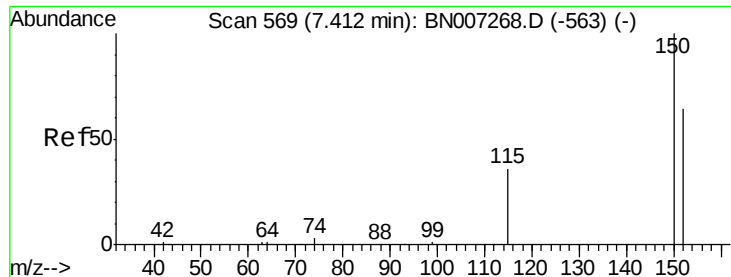
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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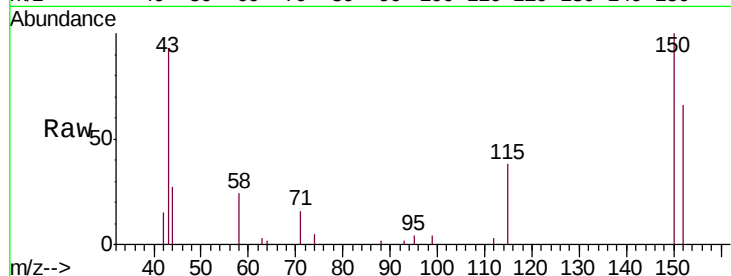


#1

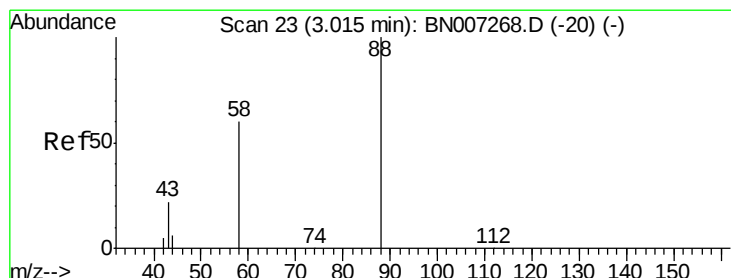
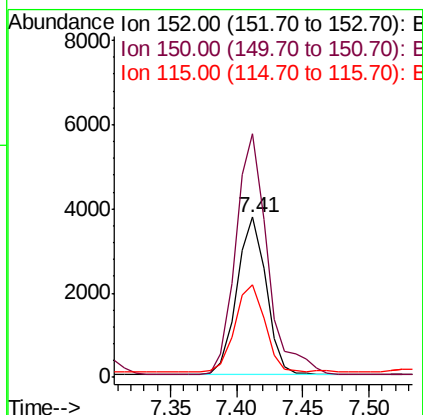
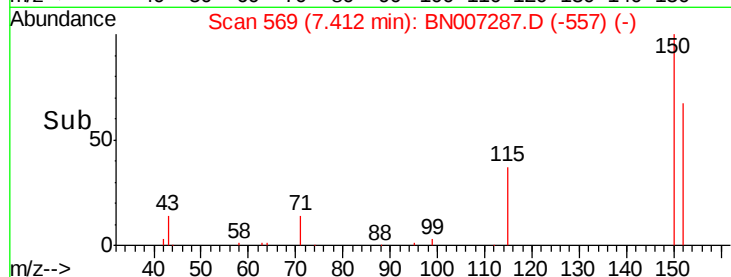
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5701
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.8
115 58.2 47.3 70.9



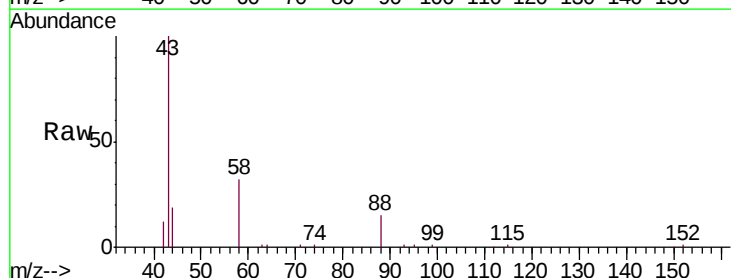
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



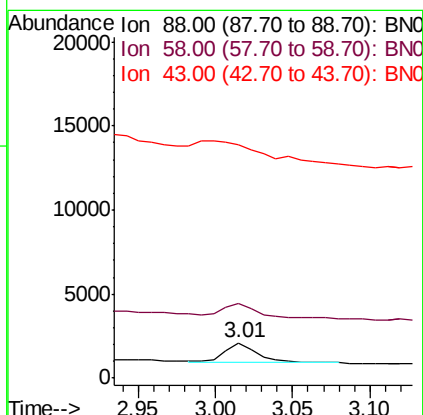
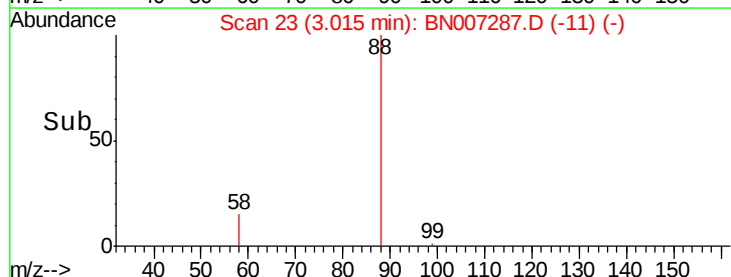
#2

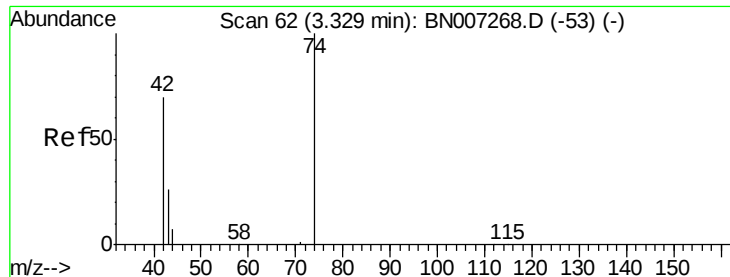
1,4-Dioxane
Concen: 0.225 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

Tgt Ion: 88 Resp: 1823
Ion Ratio Lower Upper
88 100
58 84.5 45.5 68.3#
43 217.0 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: 0.208 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

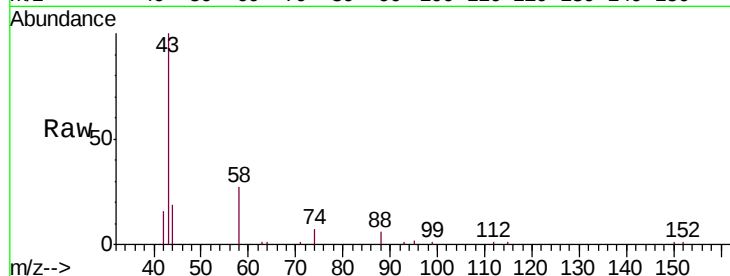
Tot Ion: 42 Resp: 1126

Ion Ratio Lower Upper

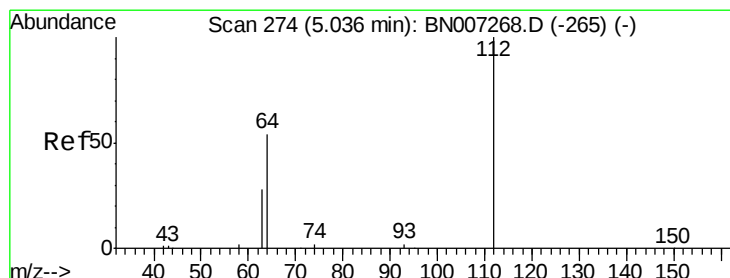
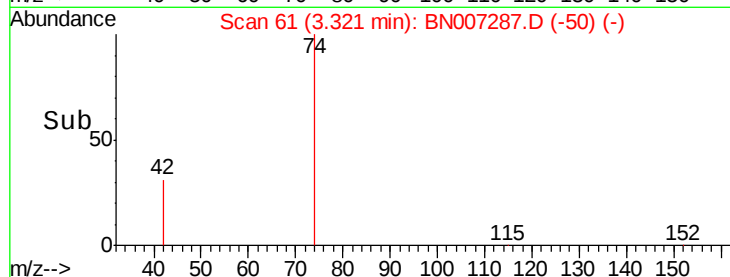
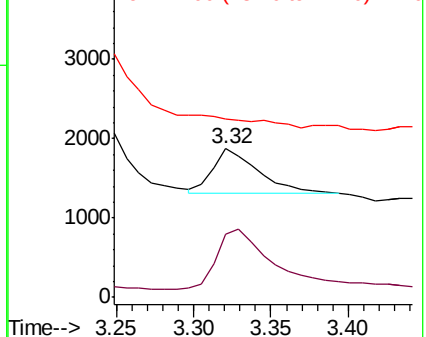
42 100

74 166.9 109.0 163.4#

44 0.0 4.2 6.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.327 ng

RT: 5.04 min Scan# 275

Delta R.T. 0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

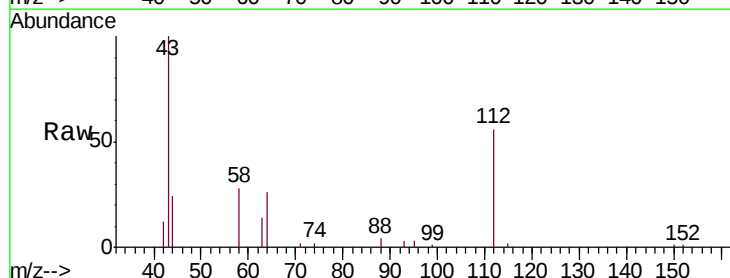
Tgt Ion: 112 Resp: 5680

Ion Ratio Lower Upper

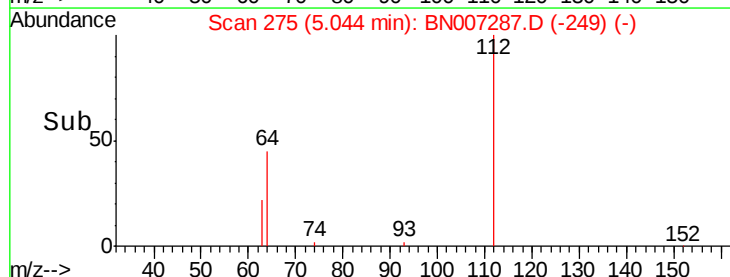
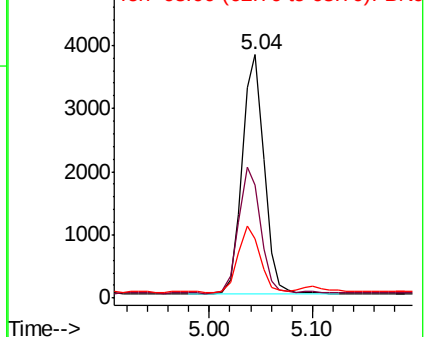
112 100

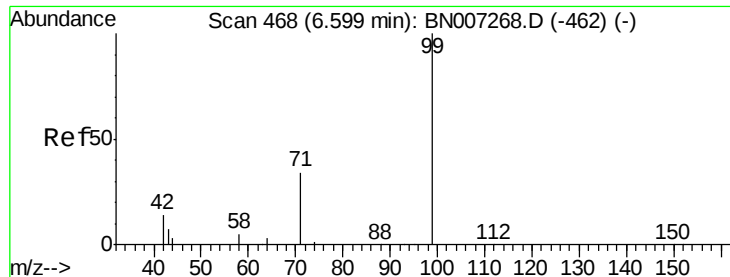
64 52.3 41.8 62.8

63 27.1 22.6 34.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.368 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

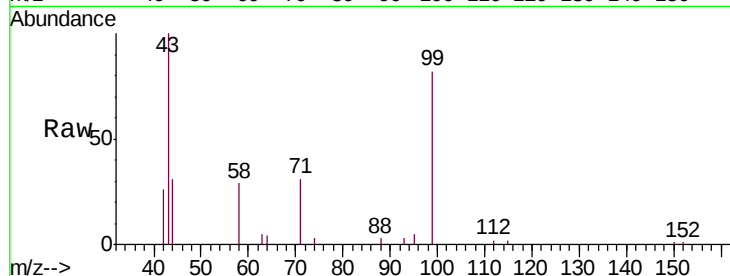
Tot Ion: 99 Resp: 7385

Ion Ratio Lower Upper

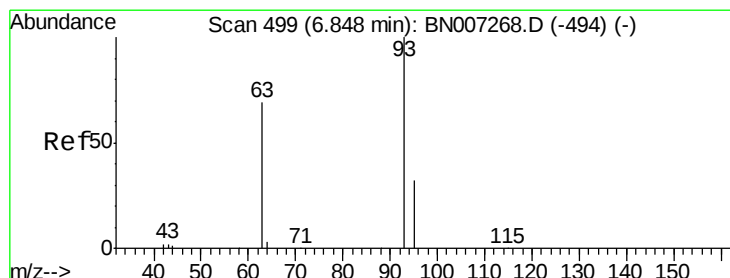
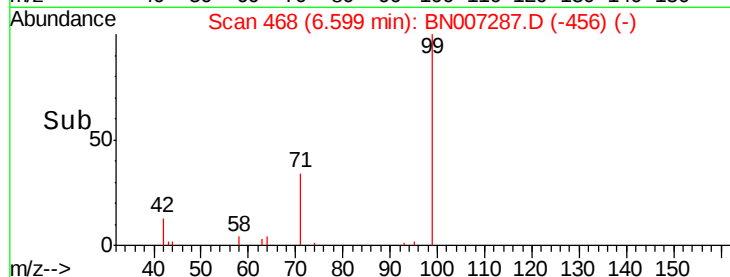
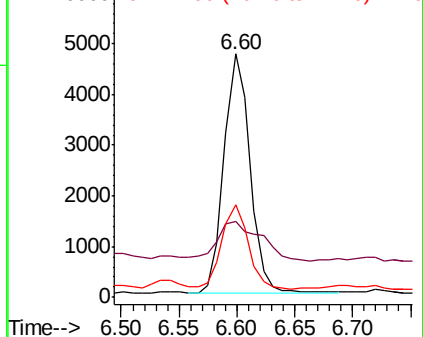
99 100

42 27.4 14.3 21.5#

71 36.1 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: 0.278 ng

RT: 6.85 min Scan# 499

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

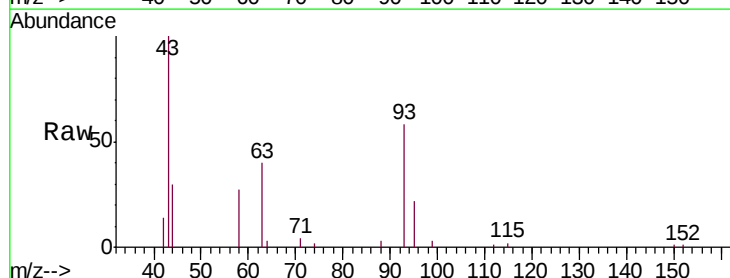
Tgt Ion: 93 Resp: 4675

Ion Ratio Lower Upper

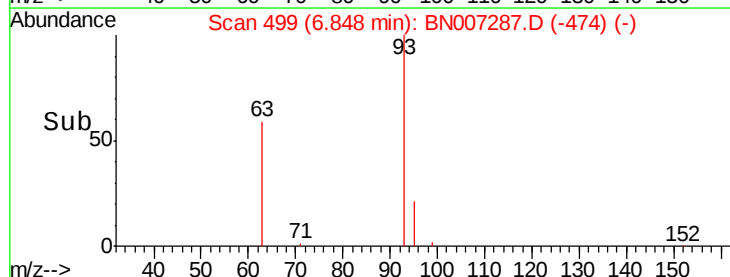
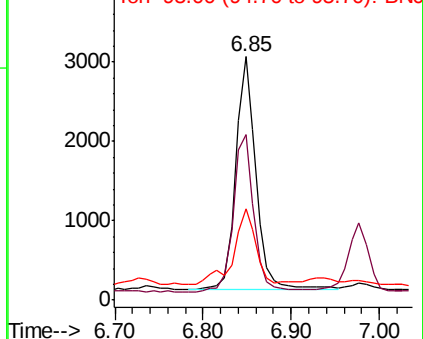
93 100

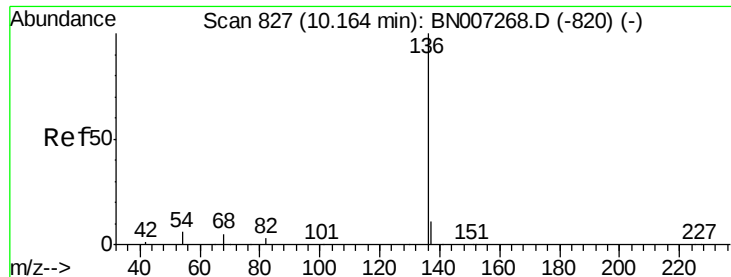
63 68.1 54.4 81.6

95 35.8 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: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 21801

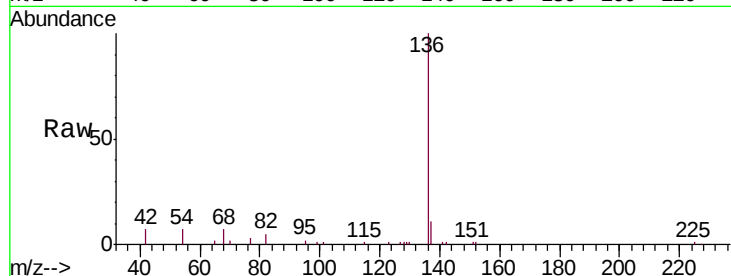
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.1 5.9 8.9

68 7.0 5.6 8.4

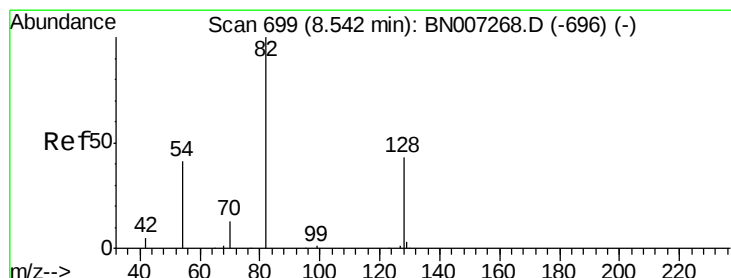
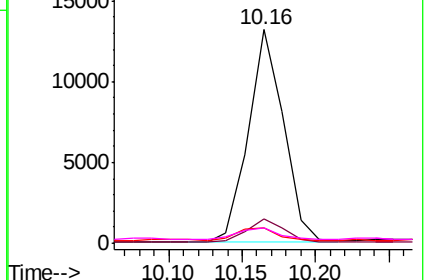
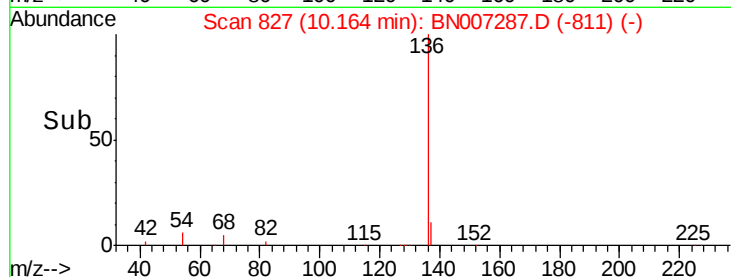


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

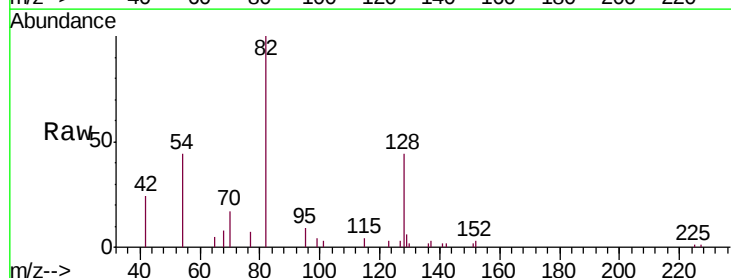
Tgt Ion: 82 Resp: 5188

Ion Ratio Lower Upper

82 100

128 44.5 35.8 53.6

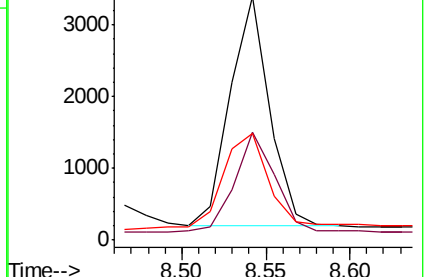
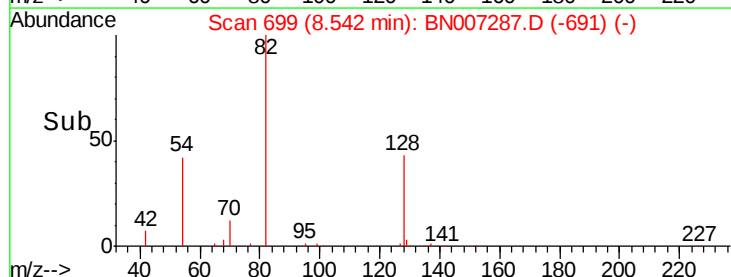
54 44.0 34.7 52.1

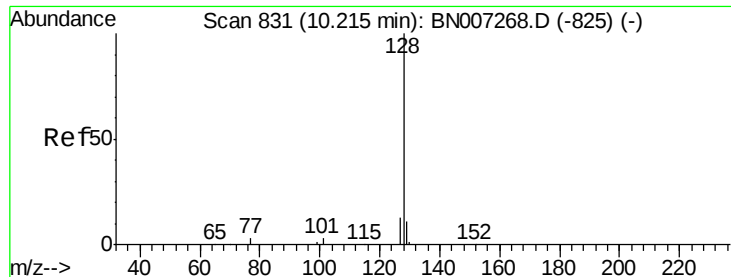


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

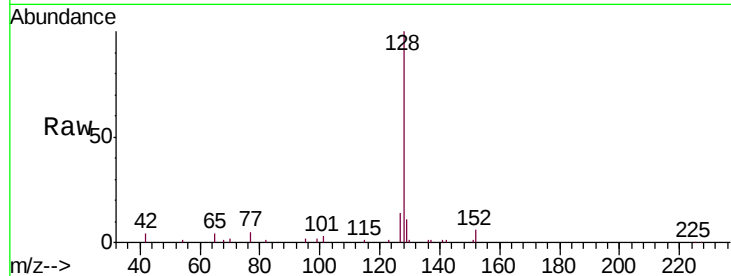




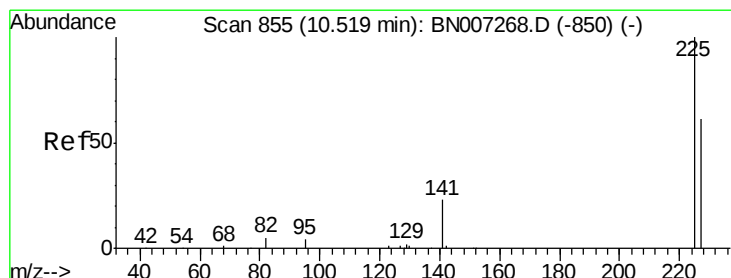
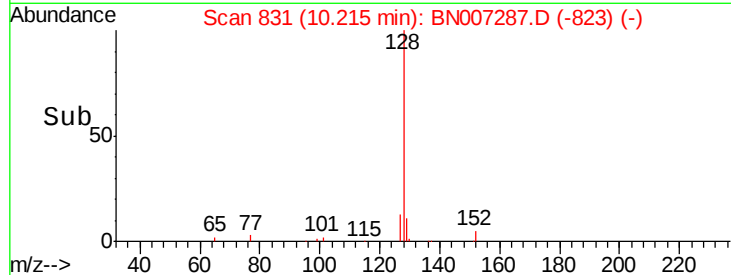
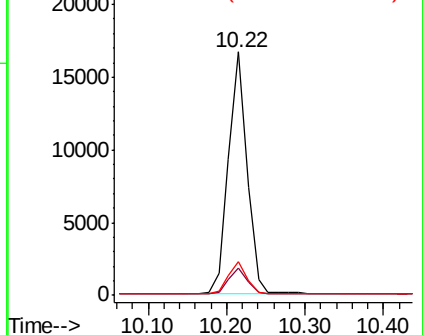
#9
Naphthalene
Concen: 0.442 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:128 Resp: 27336
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.7 10.6 16.0

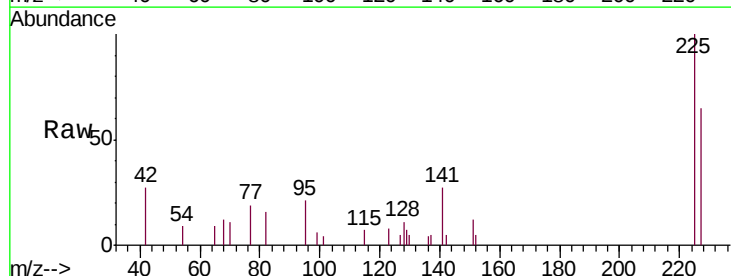


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

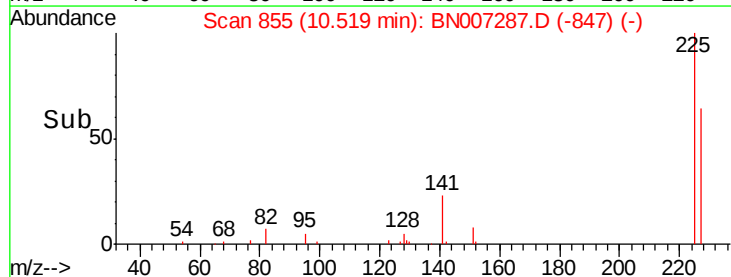
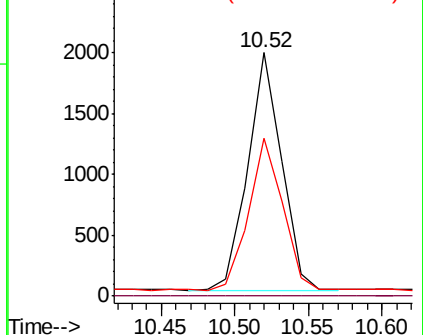


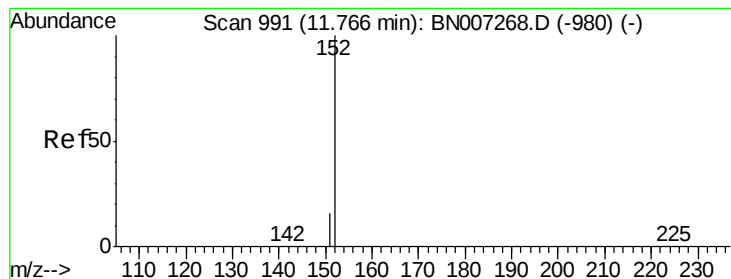
#10
Hexachlorobutadiene
Concen: 0.228 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

Tgt Ion:225 Resp: 3111
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.0 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: 0.334 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

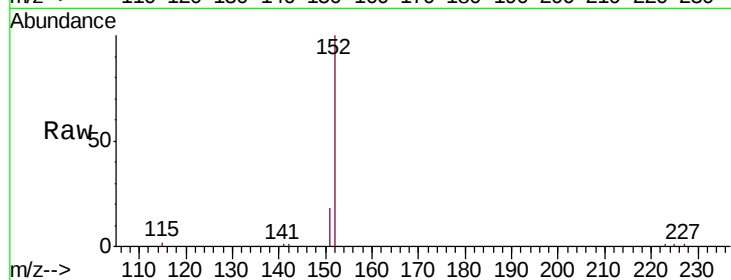
ClientSampleId :

Tot Ion:152 Resp: 12578

Ion Ratio Lower Upper

152 100

151 20.0 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

4000

2000

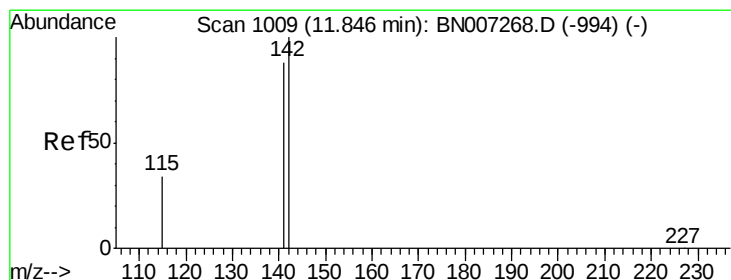
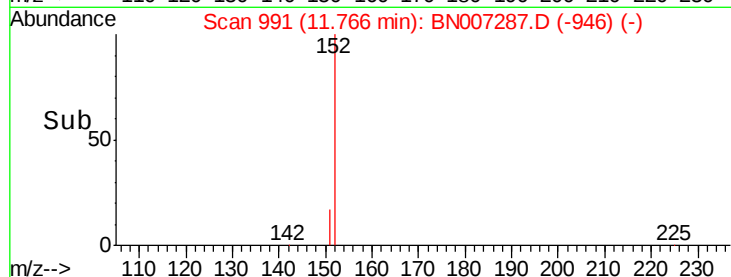
0

11.77

11.80

11.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.538 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

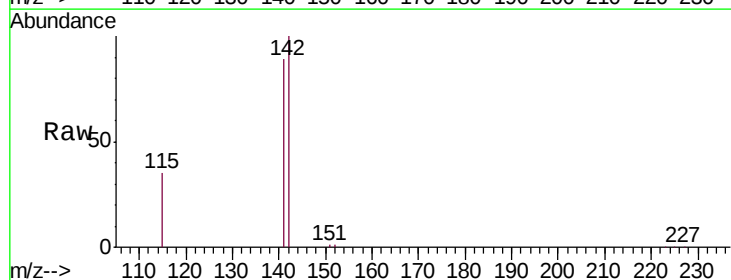
Tgt Ion:142 Resp: 23028

Ion Ratio Lower Upper

142 100

141 89.1 70.7 106.1

115 35.4 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

20000

15000

10000

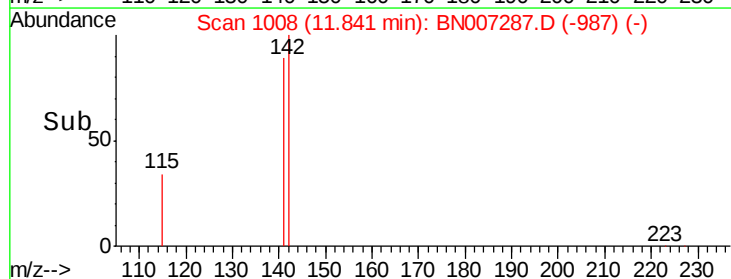
5000

0

11.84

11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

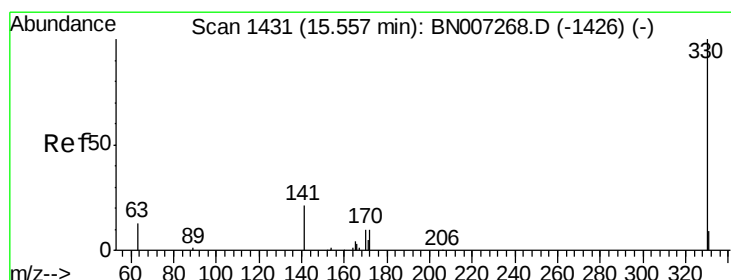
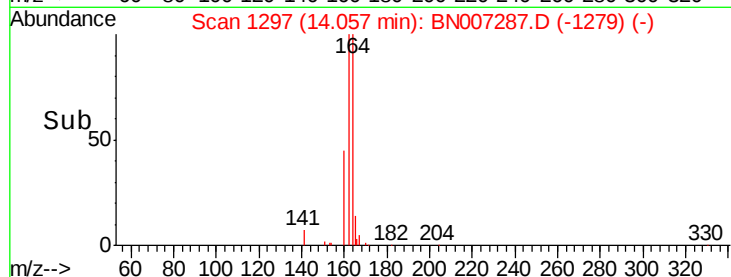
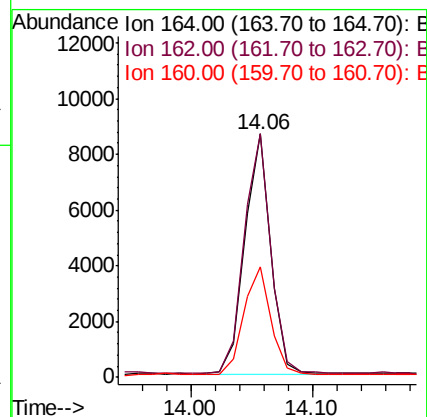
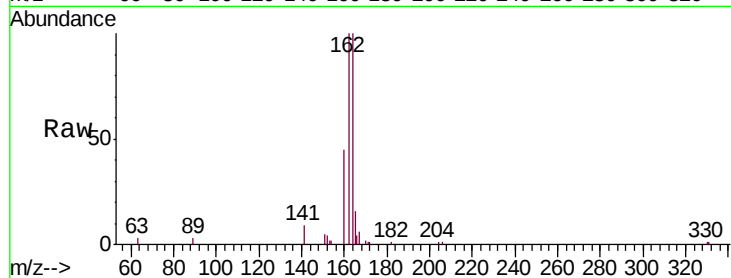
Tot Ion:164 Resp: 12707

Ion Ratio Lower Upper

164 100

162 100.2 82.0 123.0

160 45.5 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.373 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

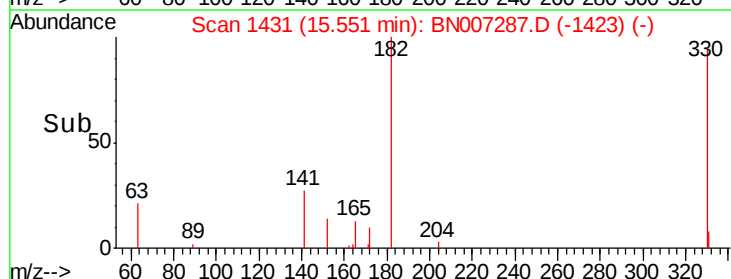
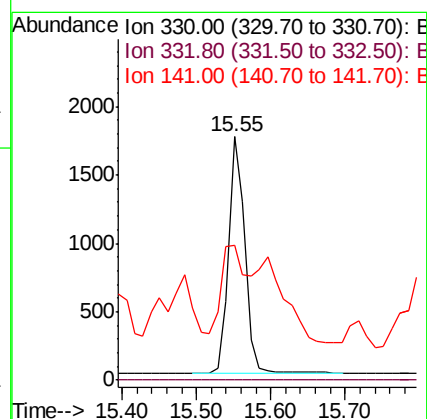
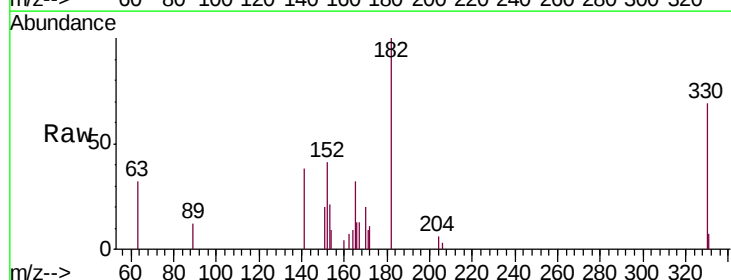
Tgt Ion:330 Resp: 2658

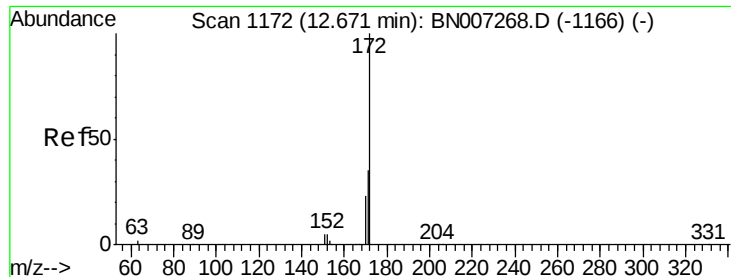
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 57.8 30.3 45.5#

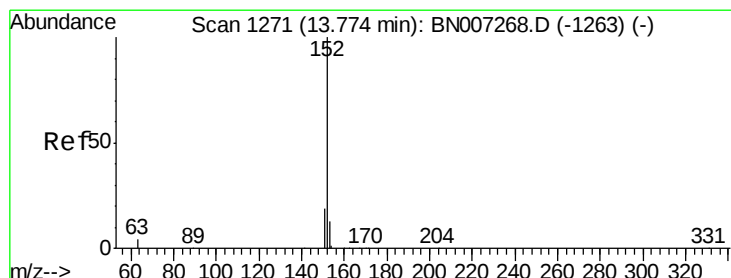
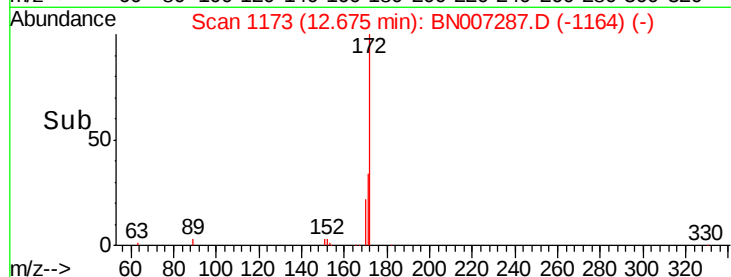
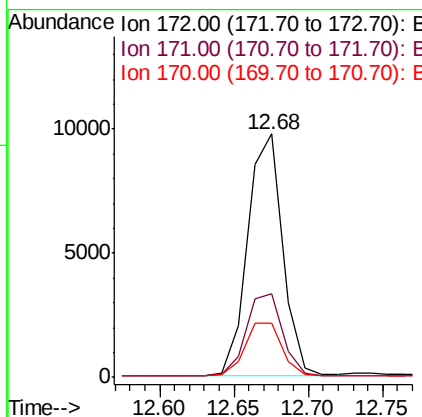
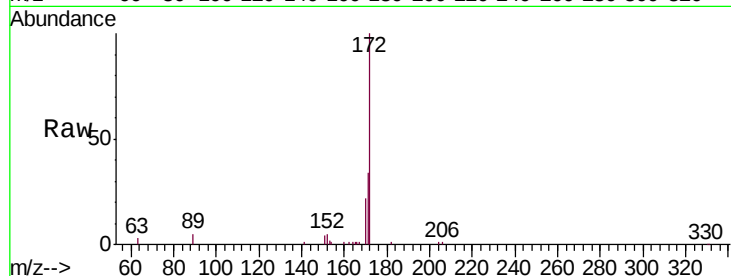




#15
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

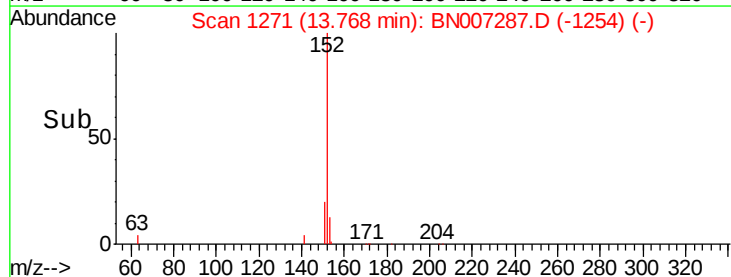
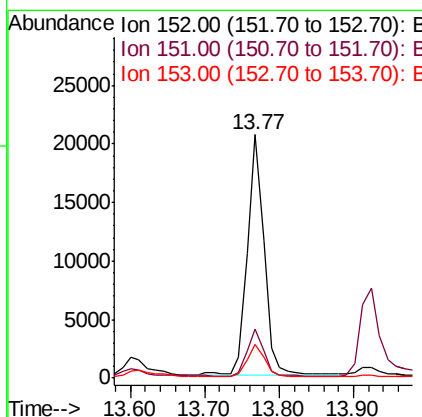
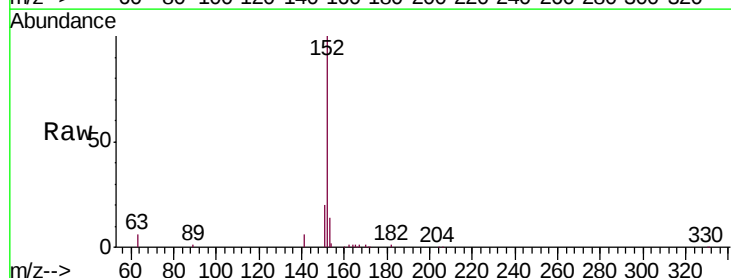
Instrument :
BNA_N
ClientSampleId :

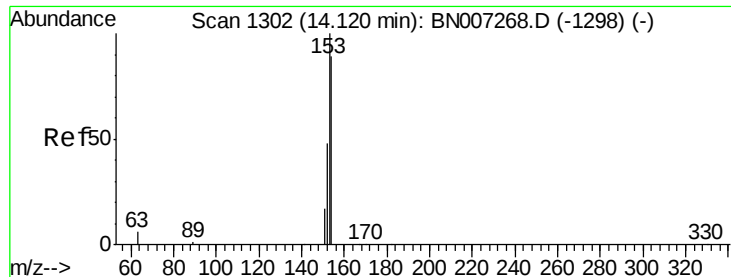
Tot Ion:172 Resp: 15944
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 22.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.483 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007287.D
Acq: 21 Aug 2019 10:51

Tgt Ion:152 Resp: 32565
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.8 10.1 15.1





#17

Acenaphthene

Concen: 0.299 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

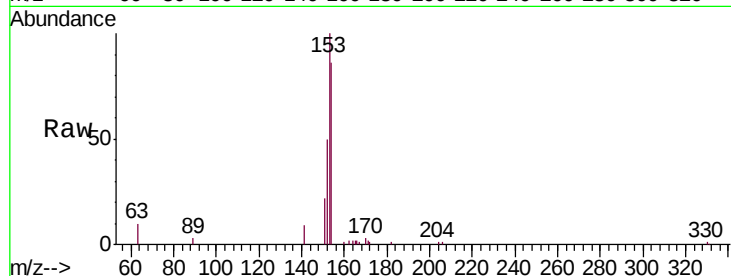
Tot Ion:154 Resp: 12860

Ion Ratio Lower Upper

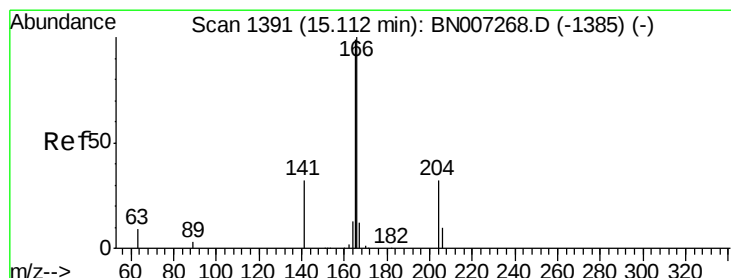
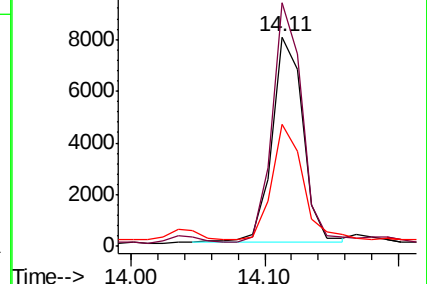
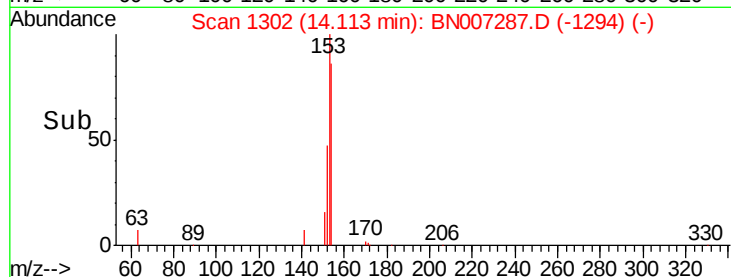
154 100

153 112.8 89.9 134.9

152 59.7 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: 0.320 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

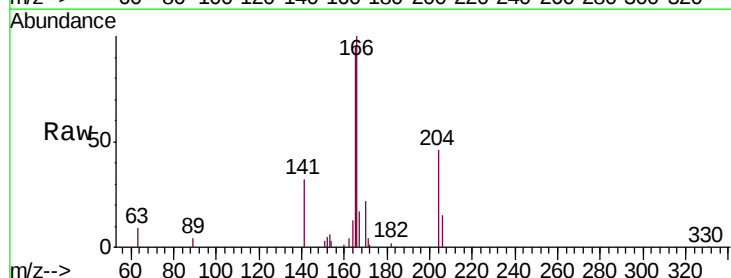
Tgt Ion:166 Resp: 17968

Ion Ratio Lower Upper

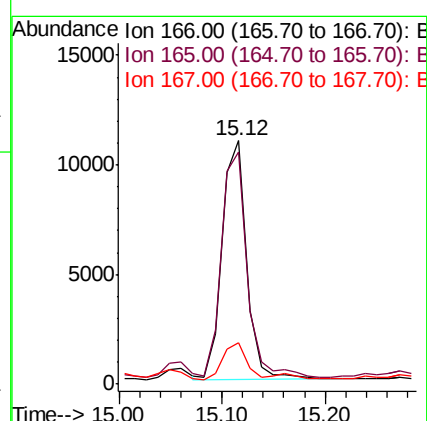
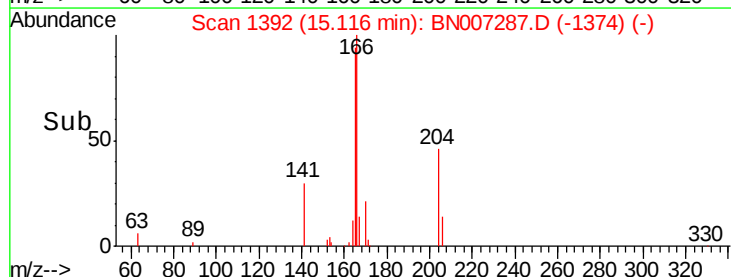
166 100

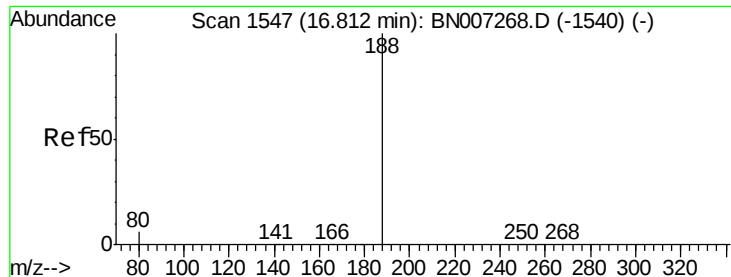
165 98.0 78.3 117.5

167 15.2 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: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampled :

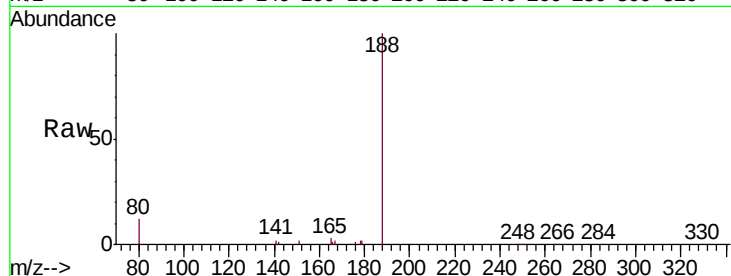
Tot Ion:188 Resp: 30050

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

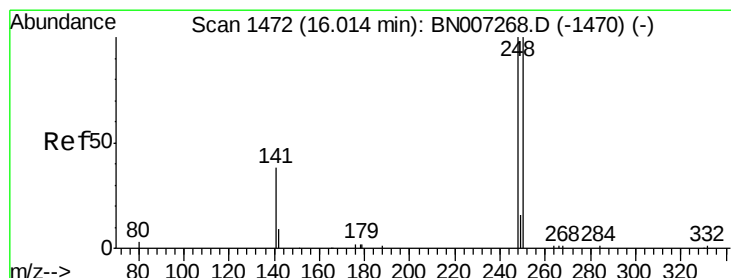
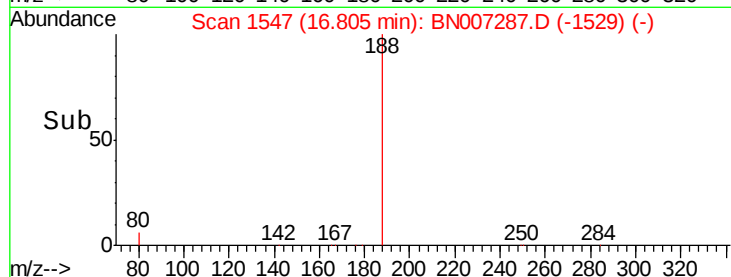
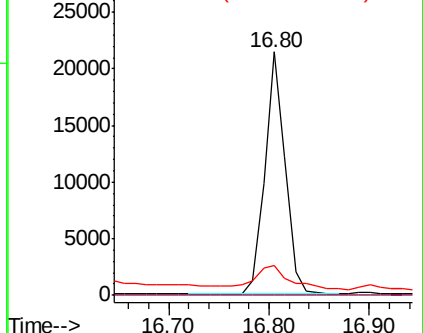
80 12.4 5.2 7.8#



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: 0.249 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

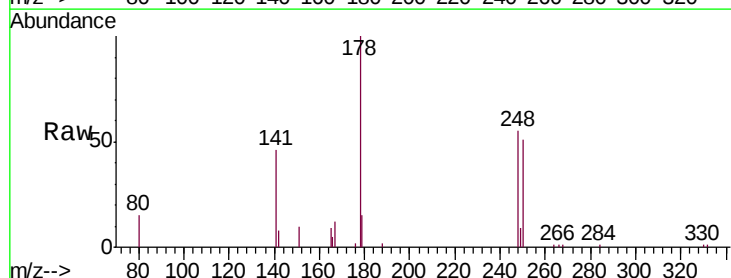
Tgt Ion:248 Resp: 4288

Ion Ratio Lower Upper

248 100

250 92.9 79.6 119.4

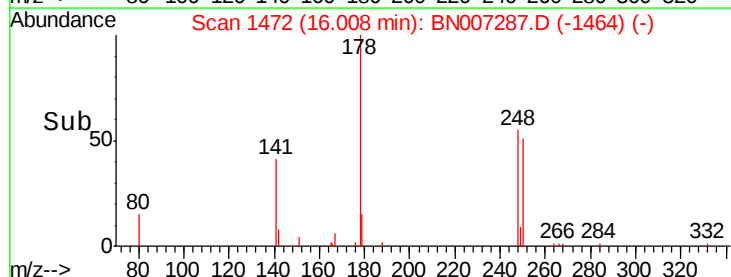
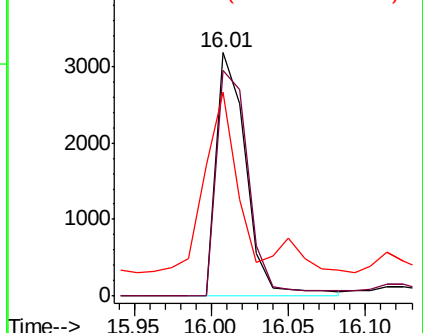
141 83.7 45.1 67.7#



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: 0.224 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

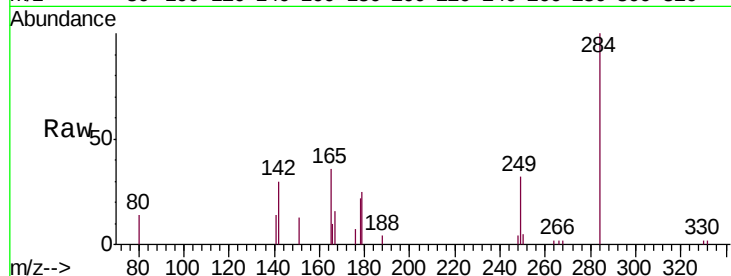
Tot Ion:284 Resp: 4452

Ion Ratio Lower Upper

284 100

142 37.8 29.5 44.3

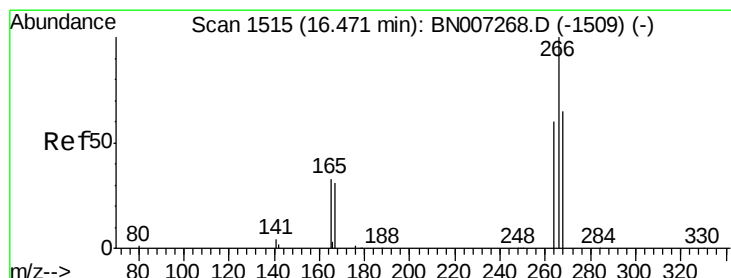
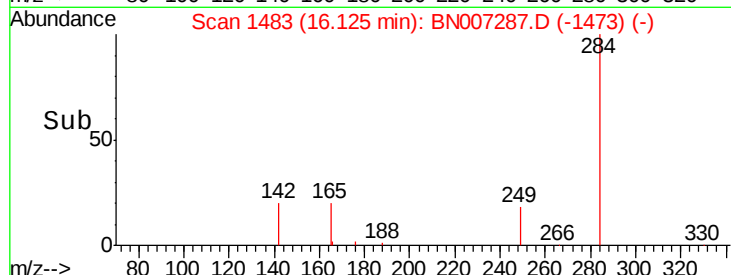
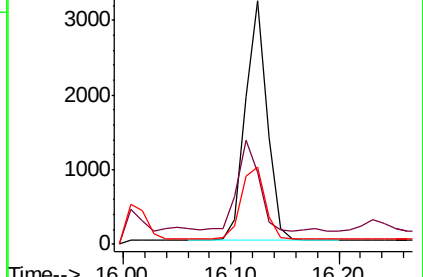
249 33.7 26.2 39.4



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: 0.691 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

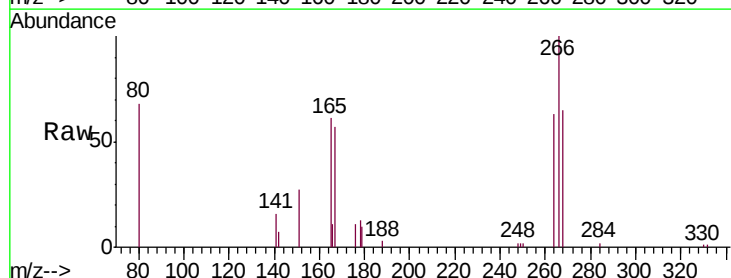
Tgt Ion:266 Resp: 5523

Ion Ratio Lower Upper

266 100

264 63.4 48.7 73.1

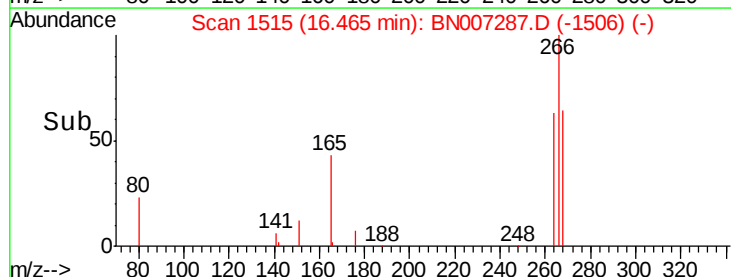
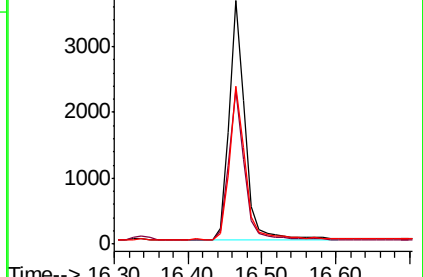
268 64.8 53.5 80.3

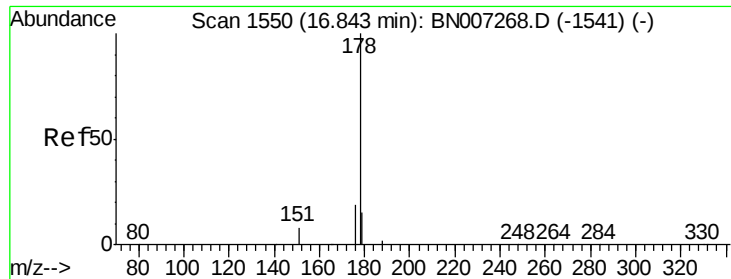


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.185 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampled :

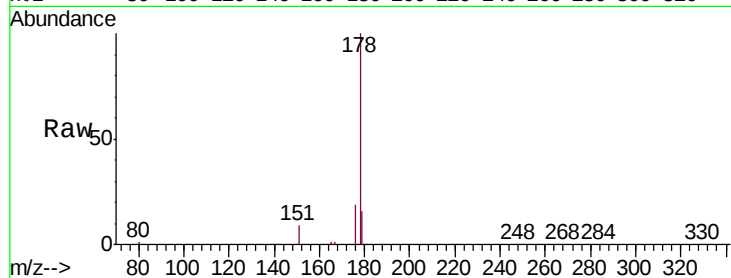
Tot Ion:178 Resp: 111581

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

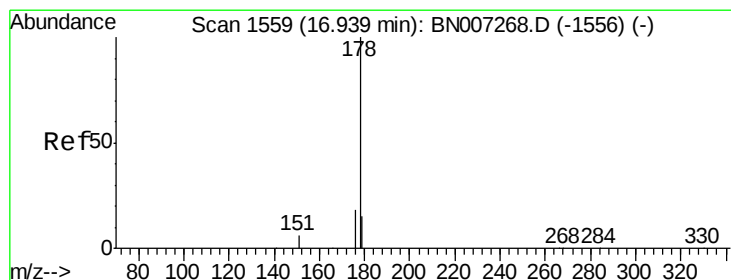
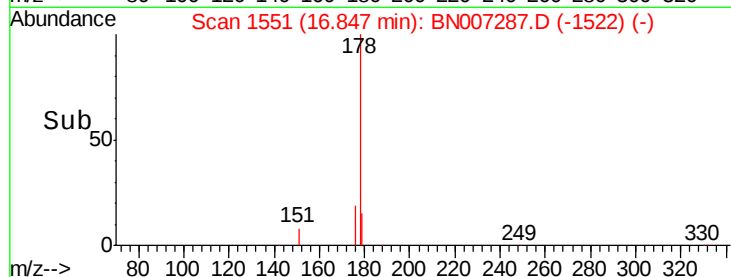
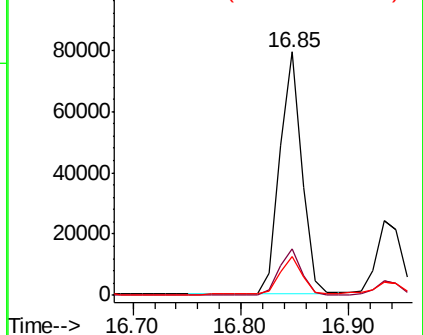
179 15.3 12.3 18.5



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: 0.439 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

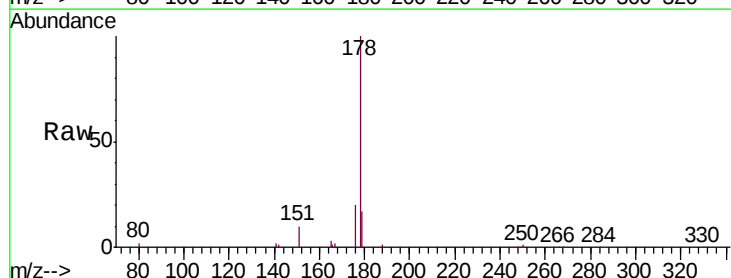
Tgt Ion:178 Resp: 37204

Ion Ratio Lower Upper

178 100

176 18.5 14.3 21.5

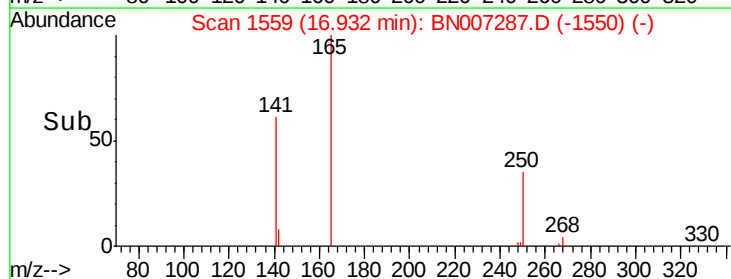
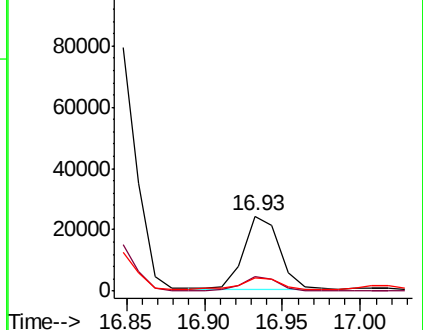
179 17.1 12.3 18.5

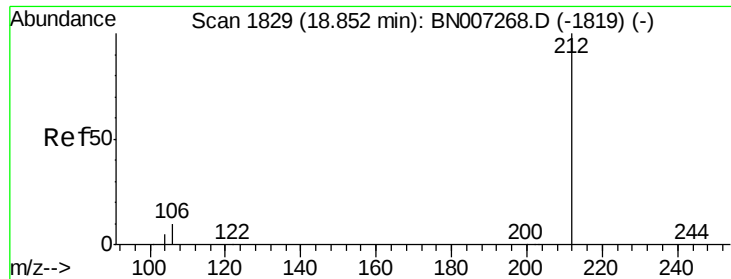


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 18.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampled :

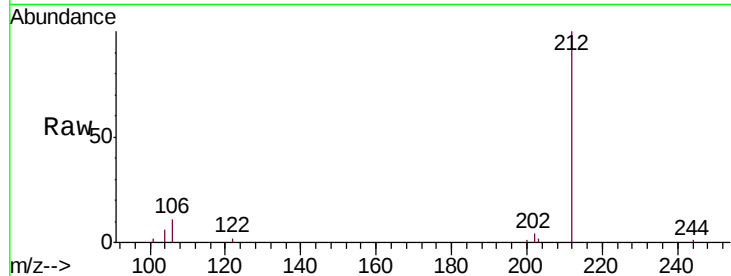
Tot Ion:212 Resp: 27321

Ion Ratio Lower Upper

212 100

106 11.9 8.2 12.4

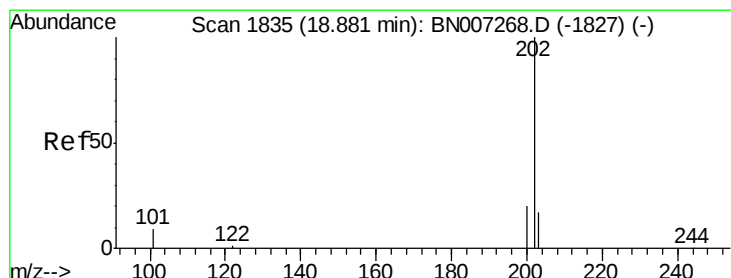
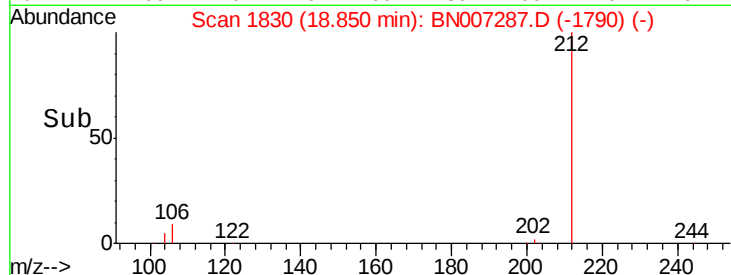
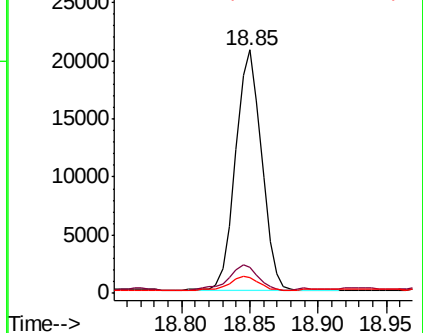
104 6.4 4.7 7.1



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: 1.798 ng

RT: 18.88 min Scan# 1836

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

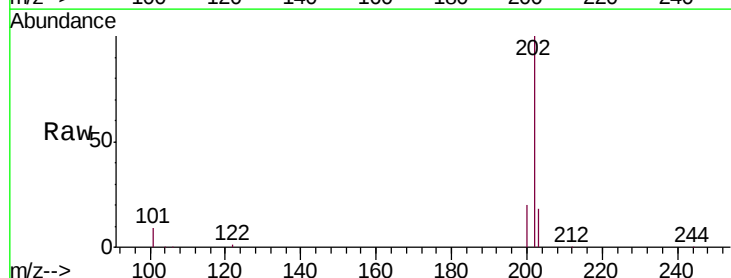
Tgt Ion:202 Resp: 205072

Ion Ratio Lower Upper

202 100

101 9.1 7.2 10.8

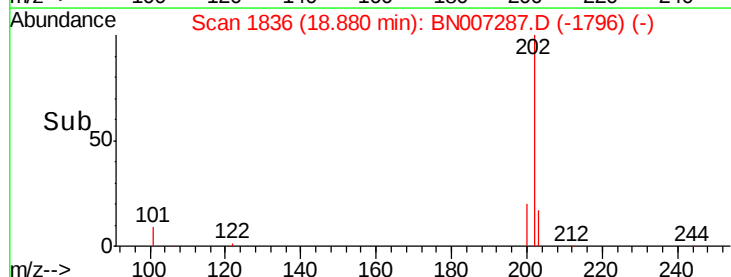
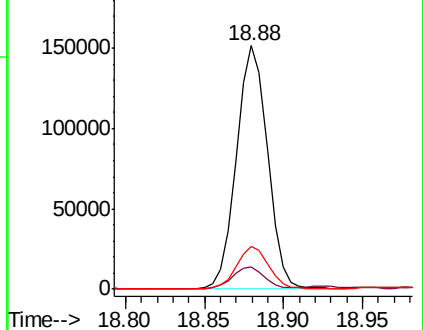
203 17.5 13.8 20.6



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: 21.03 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

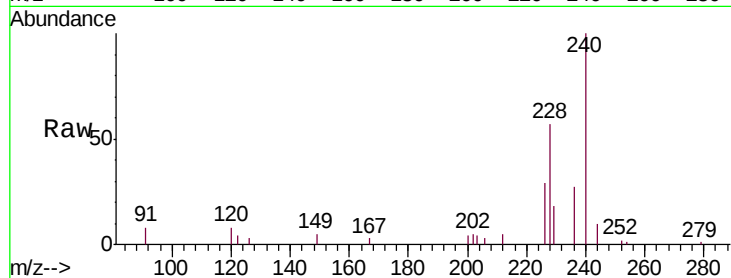
Tot Ion:240 Resp: 30409

Ion Ratio Lower Upper

240 100

120 7.8 5.6 8.4

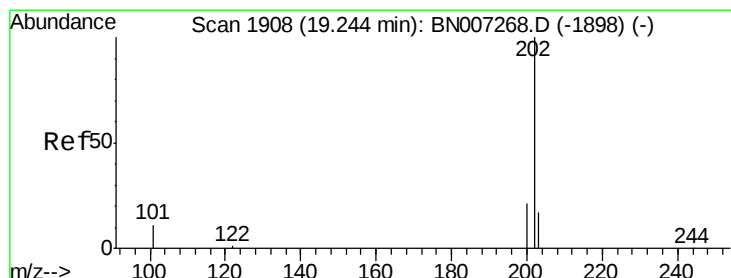
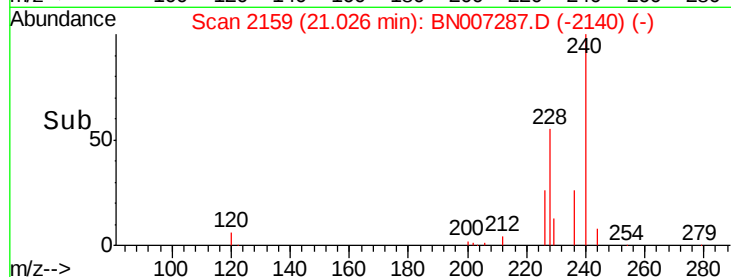
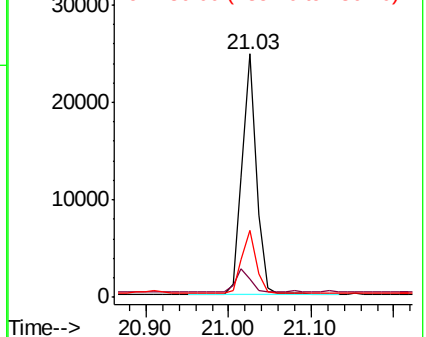
236 27.4 21.6 32.4



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: 1.734 ng

RT: 19.24 min Scan# 1909

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

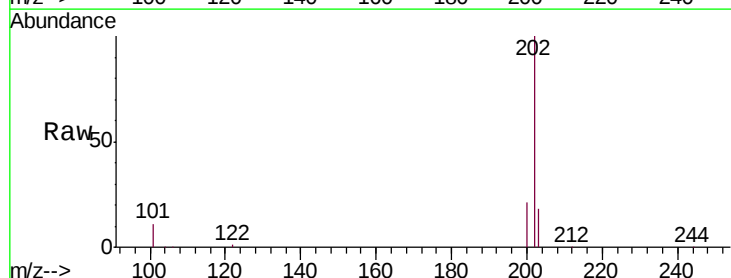
Tgt Ion:202 Resp: 197195

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

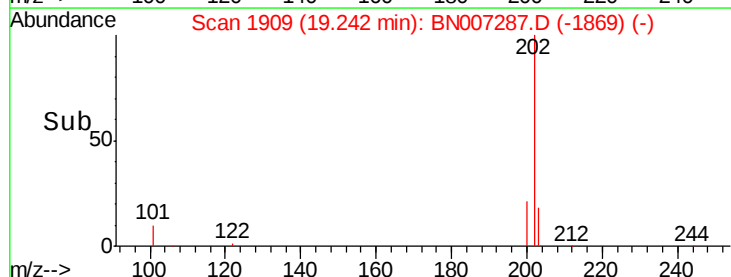
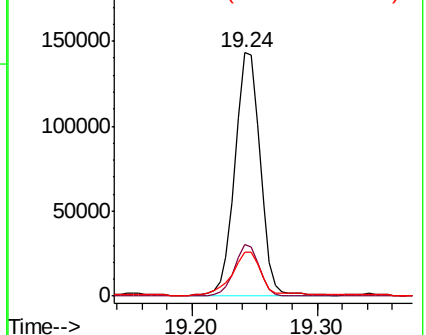
203 20.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.262 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

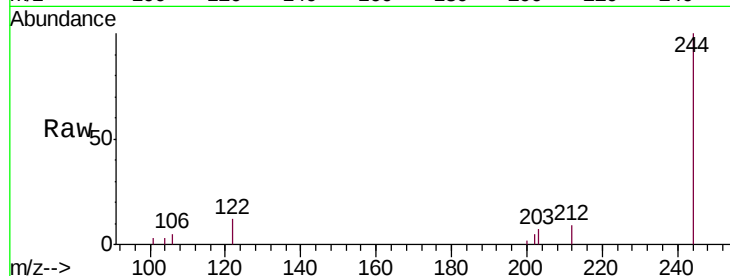
Tot Ion:244 Resp: 19919

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

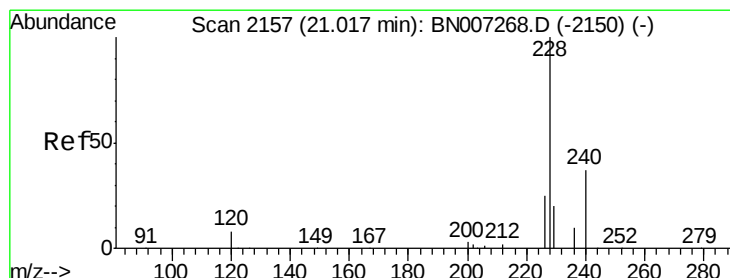
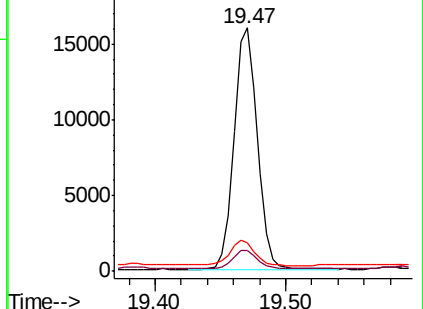
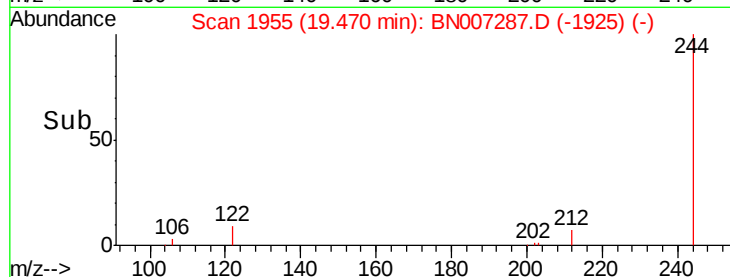
122 11.5 7.9 11.9



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: 0.988 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

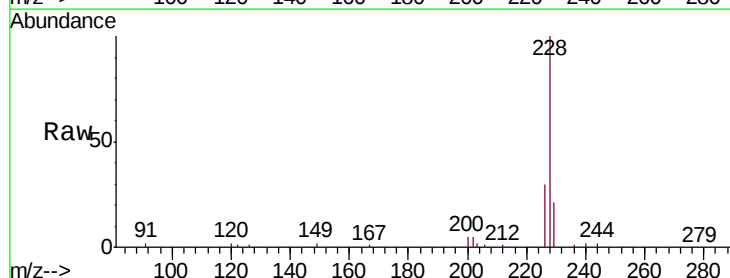
Tgt Ion:228 Resp: 111681

Ion Ratio Lower Upper

228 100

226 29.9 20.6 30.8

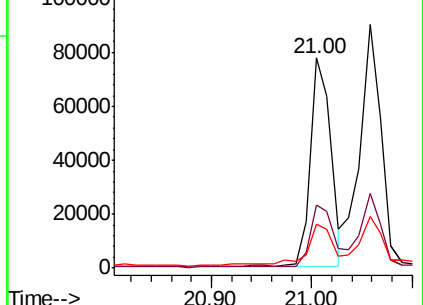
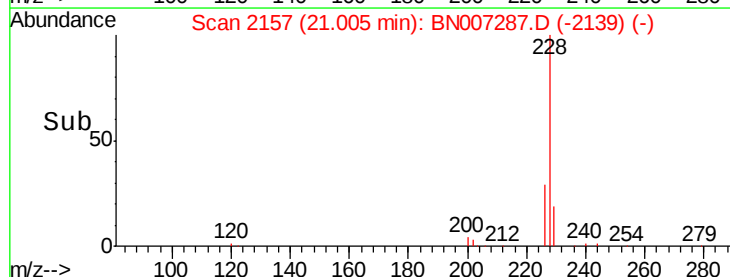
229 20.8 16.9 25.3



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

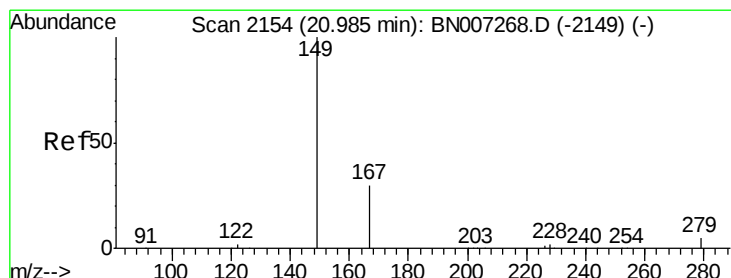
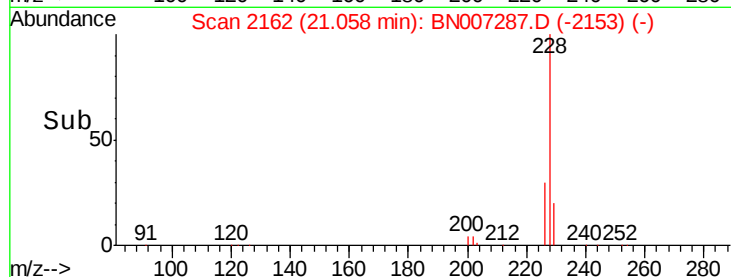
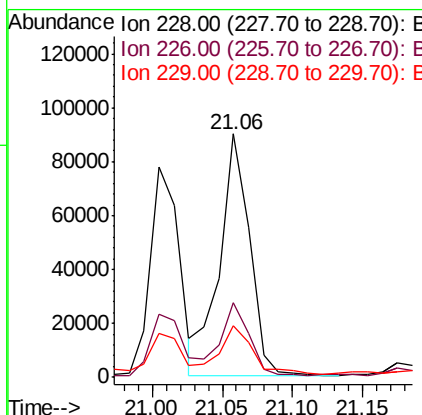
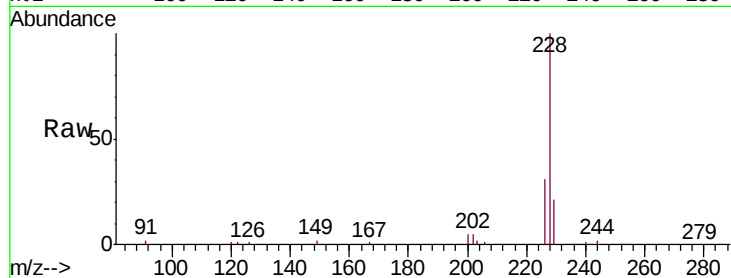




#31
 Chrysene
 Concen: 1.146 ng
 RT: 21.06 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BN007287.D
 Acq: 21 Aug 2019 10:51

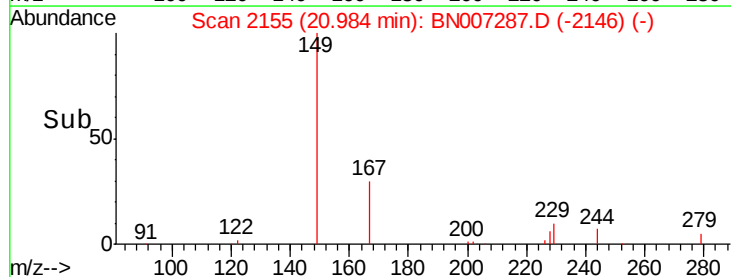
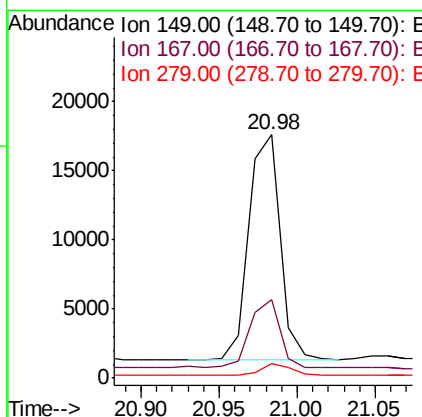
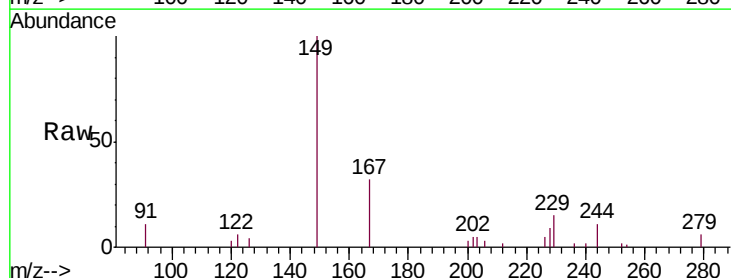
Instrument :
 BNA_N
 ClientSampleId :

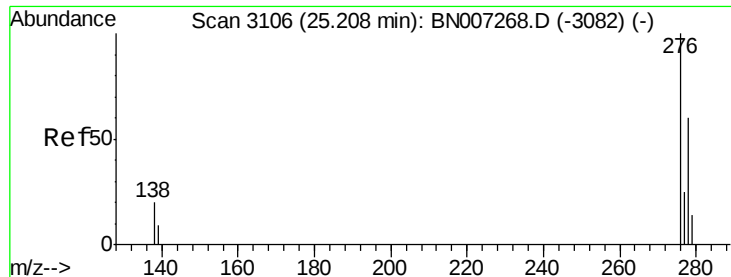
Tot Ion:228 Resp: 132281
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.6 36.8
 229 21.4 15.6 23.4



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.503 ng
 RT: 20.98 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BN007287.D
 Acq: 21 Aug 2019 10:51

Tgt Ion:149 Resp: 22744
 Ion Ratio Lower Upper
 149 100
 167 30.2 23.8 35.6
 279 5.1 3.8 5.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.660 ng

RT: 25.20 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

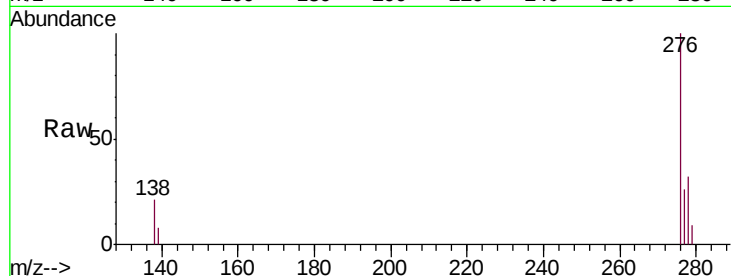
Tot Ion:276 Resp: 91611

Ion Ratio Lower Upper

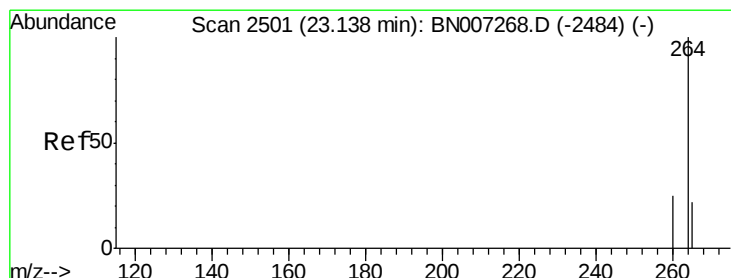
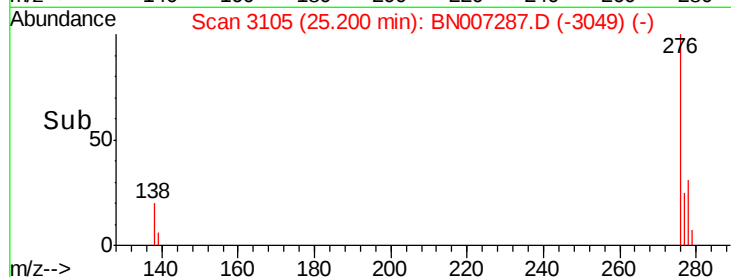
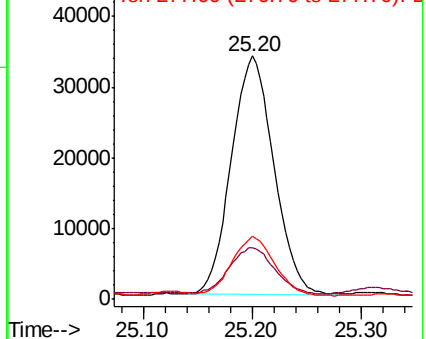
276 100

138 20.4 17.1 25.7

277 25.0 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: 23.13 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

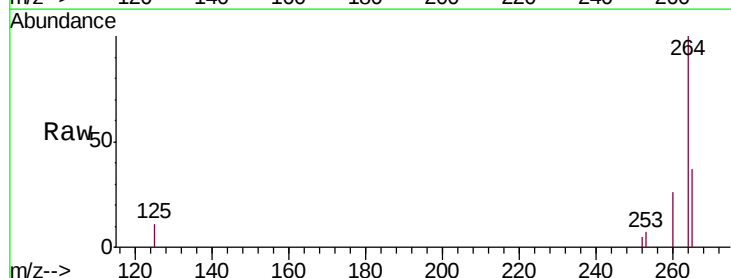
Tgt Ion:264 Resp: 32766

Ion Ratio Lower Upper

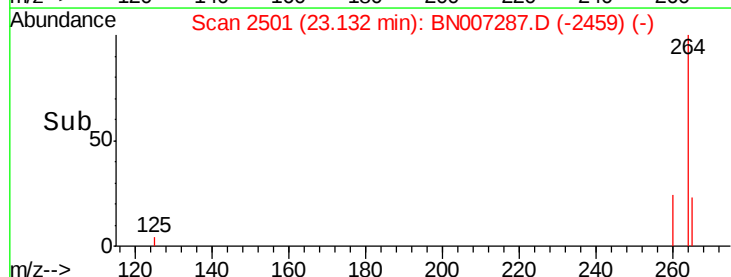
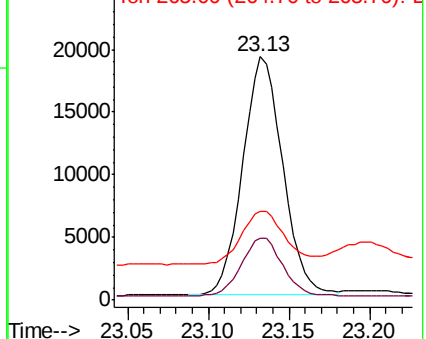
264 100

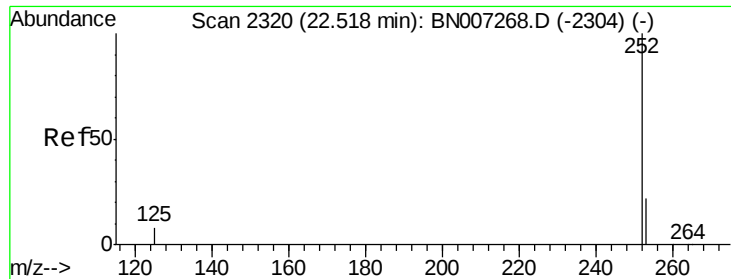
260 25.6 20.1 30.1

265 36.6 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: 1.275 ng

RT: 22.51 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

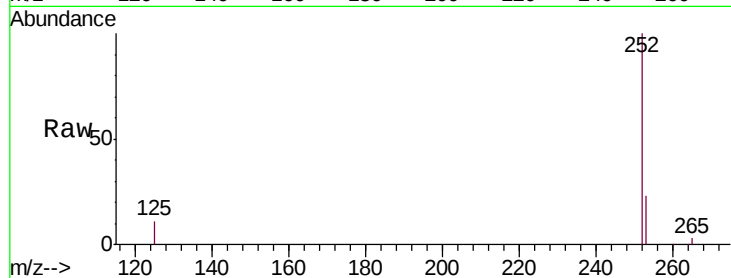
Tot Ion:252 Resp: 155754

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

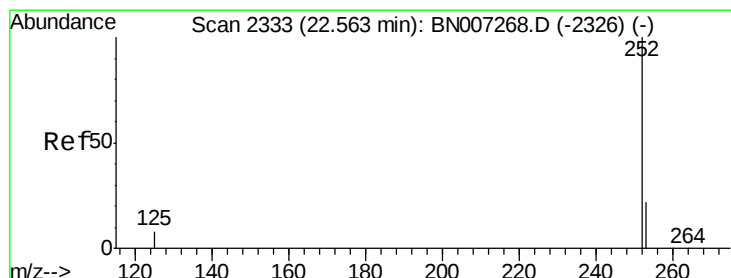
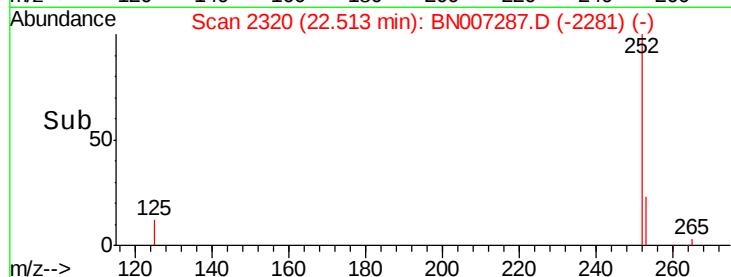
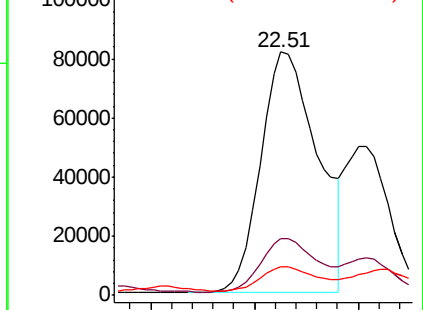
125 11.5 7.8 11.6



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: 1.302 ng

RT: 22.51 min Scan# 2320

Delta R.T. -0.05 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

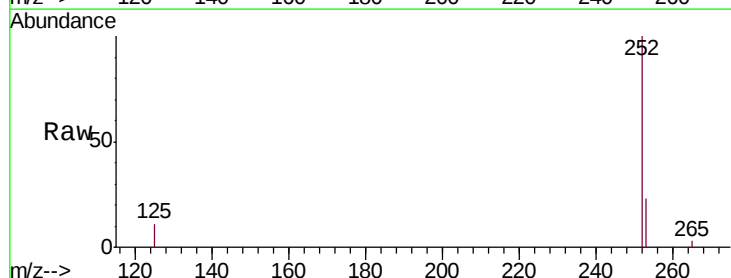
Tgt Ion:252 Resp: 155754

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

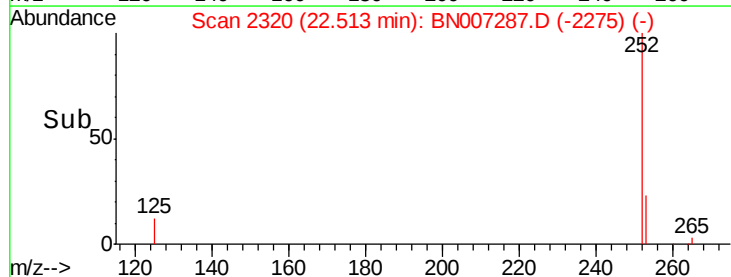
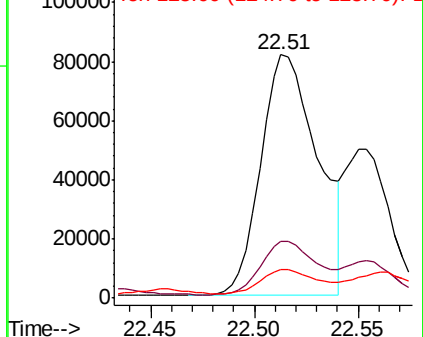
125 11.5 8.0 12.0



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: 0.993 ng

RT: 23.04 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :

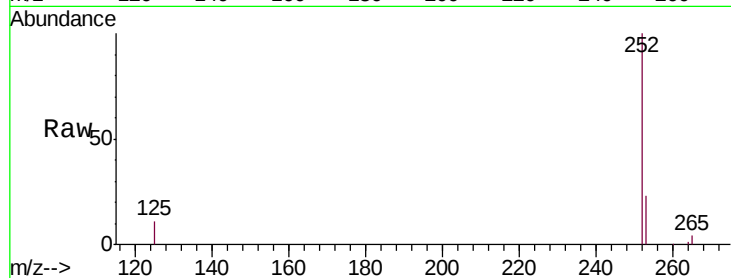
Tot Ion:252 Resp: 109361

Ion Ratio Lower Upper

252 100

253 23.4 18.7 28.1

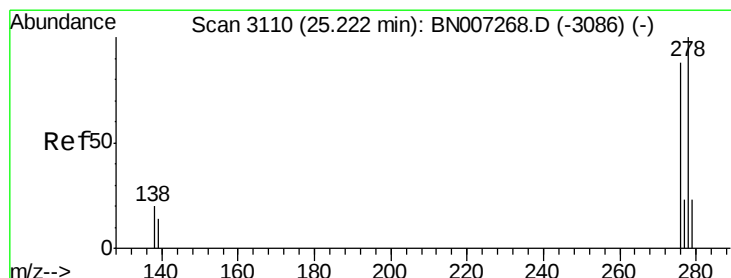
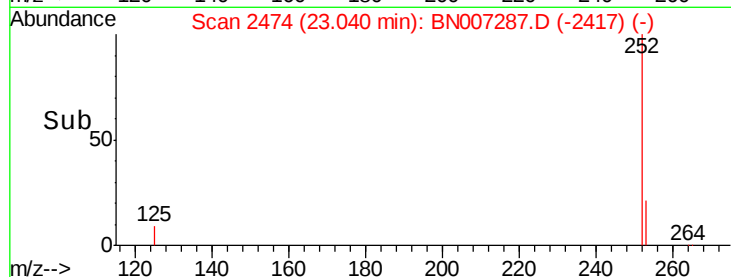
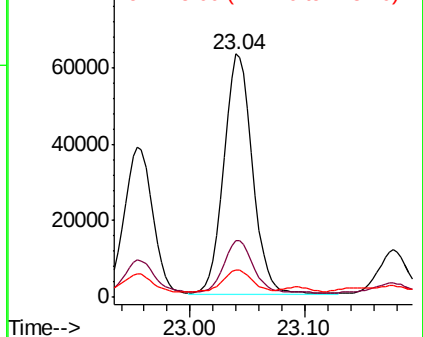
125 11.2 8.7 13.1



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: 0.356 ng

RT: 25.22 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

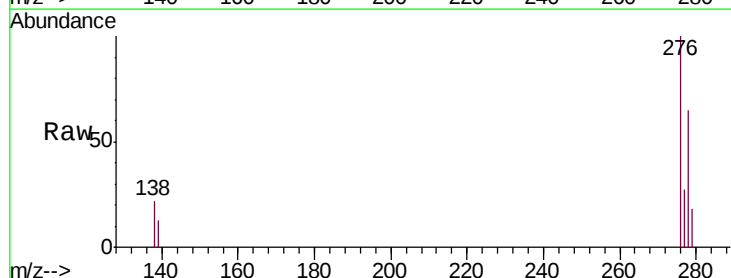
Tgt Ion:278 Resp: 41225

Ion Ratio Lower Upper

278 100

139 19.3 11.8 17.8#

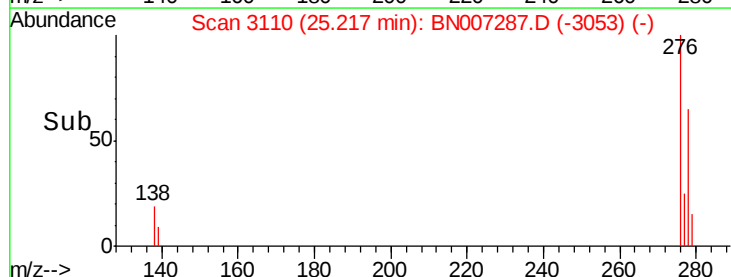
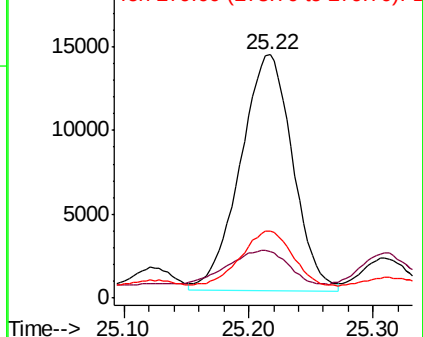
279 27.4 19.8 29.6

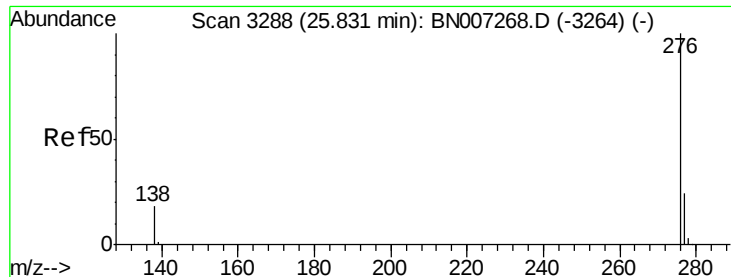


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.749 ng

RT: 25.83 min Scan# 3288

Delta R.T. -0.01 min

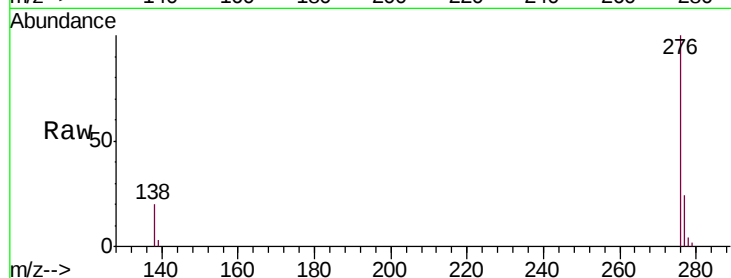
Lab File: BN007287.D

Acq: 21 Aug 2019 10:51

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 87559

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 20.2 15.3 22.9

