

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082419\
 Data File : BN007373.D
 Acq On : 24 Aug 2019 20:54
 Operator : HP/JU
 Sample : PB122469BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122469BS

Quant Time: Aug 24 23:43:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5814	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	24284	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	13071	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	29776	0.40	ng	0.00
27) Chrysene-d12	21.02	240	30582	0.40	ng	0.00
34) Perylene-d12	23.12	264	33485	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	5567	0.27	ng	0.00
5) Phenol-d6	6.59	99	7042	0.26	ng	0.00
8) Nitrobenzene-d5	8.53	82	5406	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	15382	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1701	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	14311	0.27	ng	0.00
25) Fluoranthene-d10	18.84	212	26862	0.28	ng	0.00
29) Terphenyl-d14	19.47	244	20537	0.26	ng	0.00

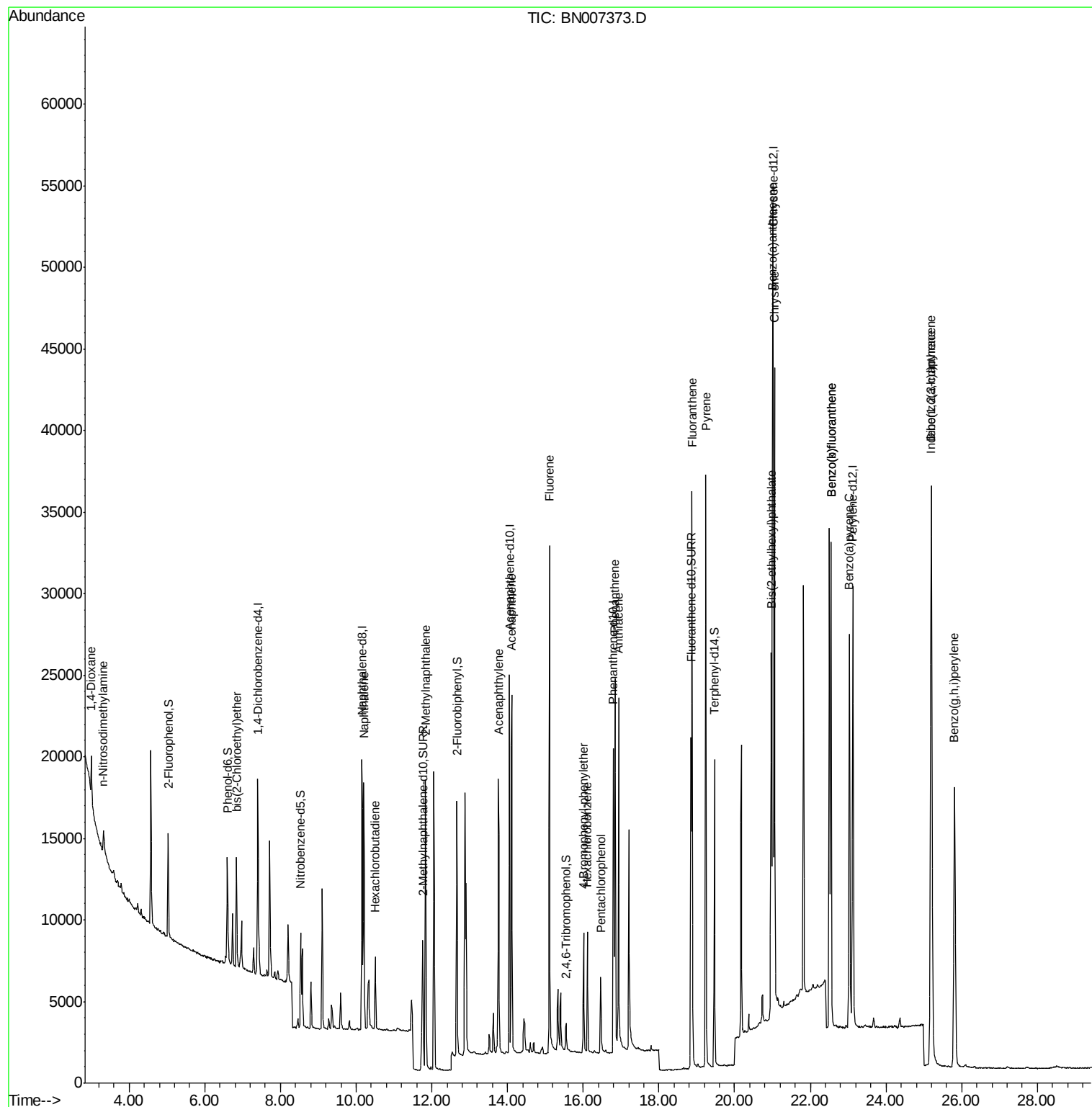
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	2069	0.214	ng	# 80
3) n-Nitrosodimethylamine	3.32	42	1148	0.256	ng	# 85
6) bis(2-Chloroethyl)ether	6.84	93	5567	0.265	ng	98
9) Naphthalene	10.20	128	19503	0.281	ng	# 90
10) Hexachlorobutadiene	10.51	225	3734	0.263	ng	# 99
12) 2-Methylnaphthalene	11.83	142	13332	0.282	ng	98
16) Acenaphthylene	13.76	152	20569	0.266	ng	99
17) Acenaphthene	14.11	154	12169	0.269	ng	99
18) Fluorene	15.10	166	15426	0.270	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	3055	0.260	ng	98
21) Hexachlorobenzene	16.11	284	5691	0.285	ng	96
22) Pentachlorophenol	16.46	266	2839	0.458	ng	# 64
23) Phenanthrene	16.84	178	24822	0.277	ng	99
24) Anthracene	16.93	178	24018	0.267	ng	100
26) Fluoranthene	18.87	202	33193	0.289	ng	100
28) Pyrene	19.24	202	33988	0.276	ng	100
30) Benzo(a)anthracene	21.00	228	33565	0.279	ng	100
31) Chrysene	21.06	228	34842	0.301	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	18267	0.216	ng	99
33) Indeno(1,2,3-cd)pyrene	25.19	276	41337	0.296	ng	100
35) Benzo(b)fluoranthene	22.55	252	35677	0.294	ng	98
36) Benzo(k)fluoranthene	22.55	252	35677	0.298	ng	# 94
37) Benzo(a)pyrene	23.03	252	34084	0.295	ng	# 96
38) Dibenzo(a,h)anthracene	25.20	278	34031	0.295	ng	96
39) Benzo(g,h,i)perylene	25.81	276	35051	0.305	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 568

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

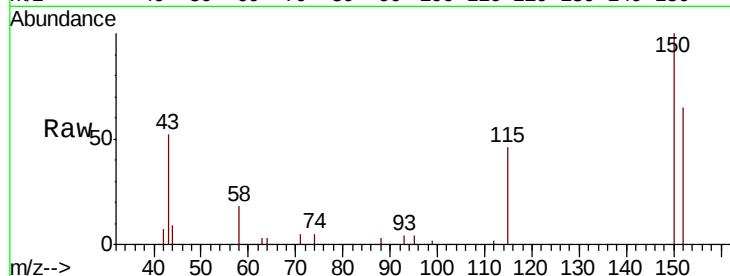
Tgt Ion:152 Resp: 5814

Ion Ratio Lower Upper

152 100

150 153.1 109.1 163.7

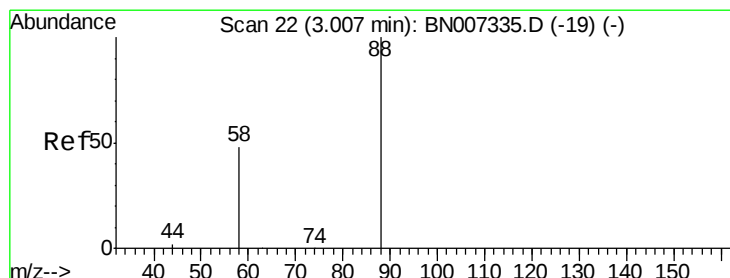
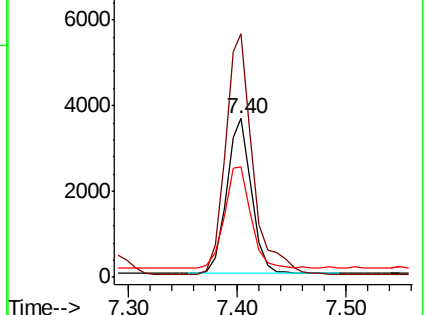
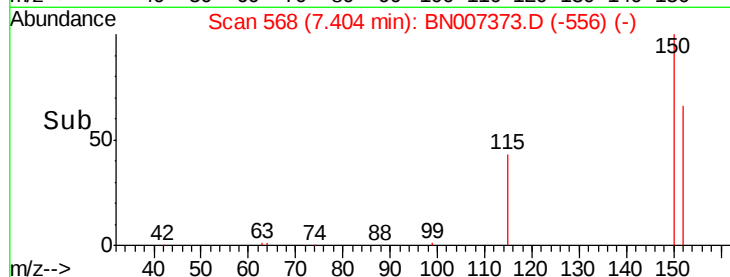
115 69.9 59.6 89.4



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: 0.214 ng

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

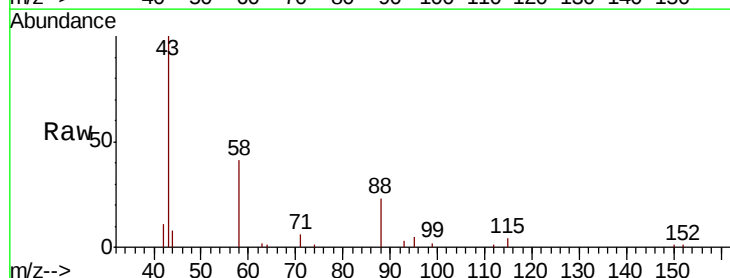
Tgt Ion: 88 Resp: 2069

Ion Ratio Lower Upper

88 100

58 78.9 50.5 75.7#

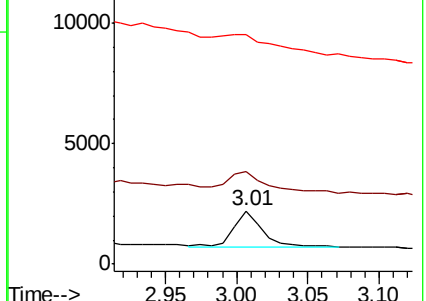
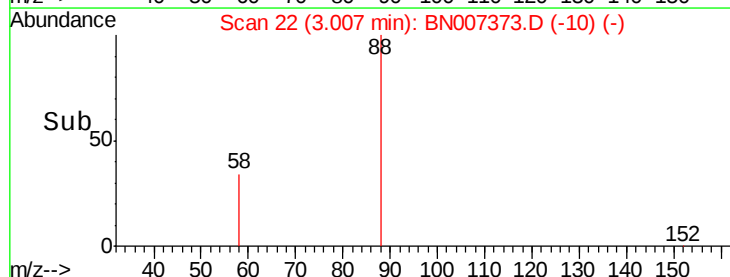
43 0.0 0.0 0.0



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

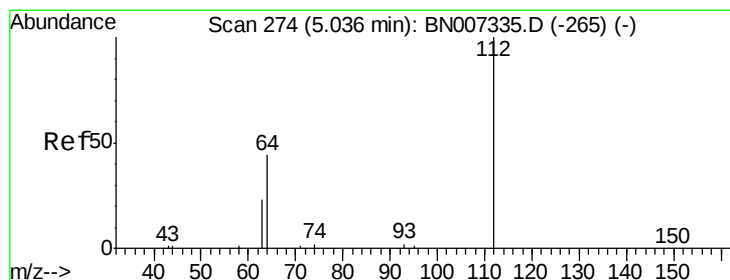
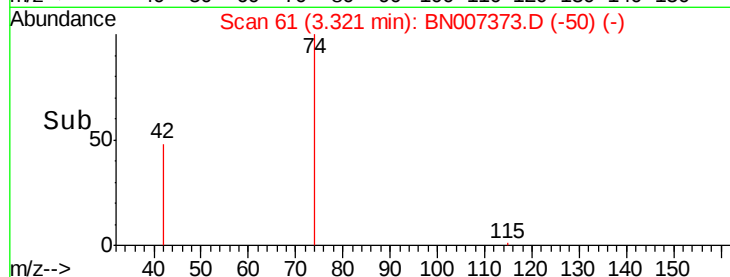
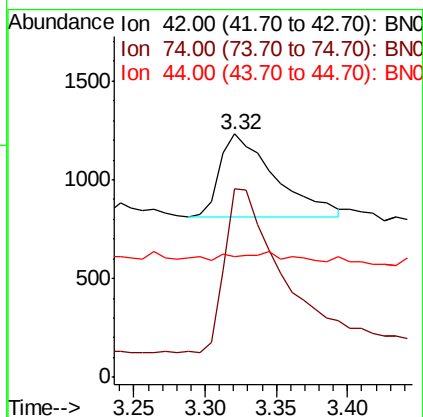
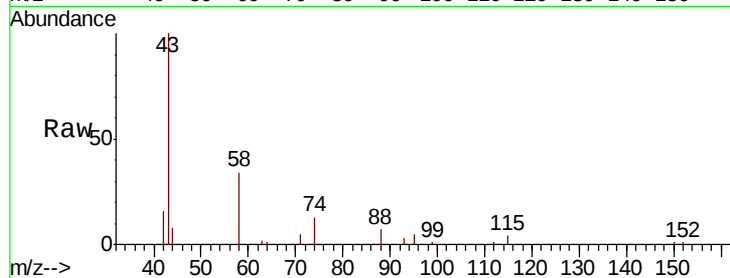




#3
 n-Nitrosodimethylamine
 Concen: 0.256 ng
 RT: 3.32 min Scan# 61
 Delta R.T. -0.01 min
 Lab File: BN007373.D
 Acq: 24 Aug 2019 20:54

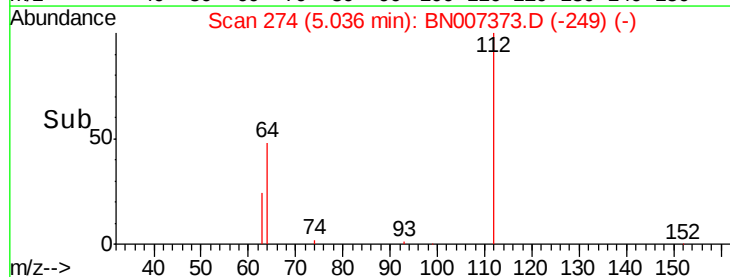
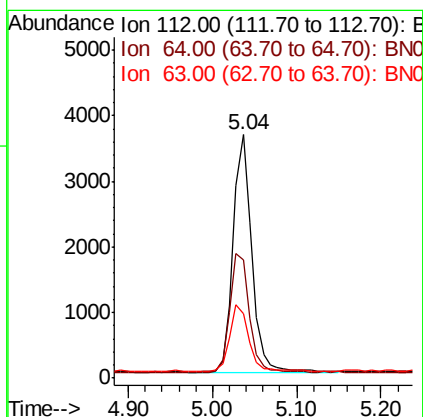
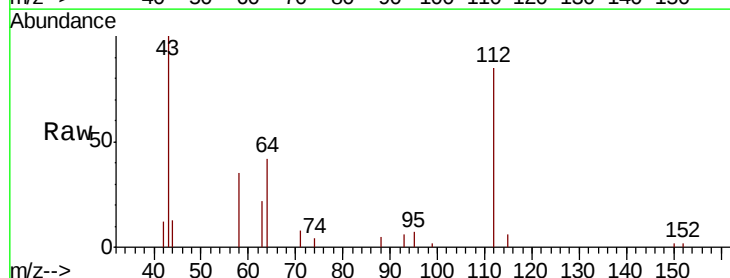
Instrument :
 BNA_N
 ClientSampleId :
 PB122469BS

Tgt Ion: 42 Resp: 1148
 Ion Ratio Lower Upper
 42 100
 74 202.9 144.7 217.1
 44 0.0 3.2 4.8#



#4
 2-Fluorophenol
 Concen: 0.266 ng
 RT: 5.04 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: BN007373.D
 Acq: 24 Aug 2019 20:54

Tgt Ion: 112 Resp: 5567
 Ion Ratio Lower Upper
 112 100
 64 52.2 42.3 63.5
 63 28.1 23.6 35.4





#5

Phenol-d6

Concen: 0.264 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

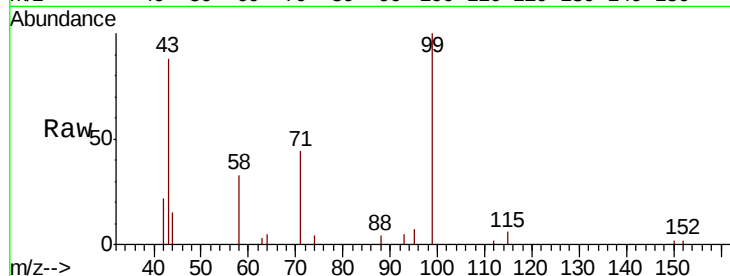
Tgt Ion: 99 Resp: 7042

Ion Ratio Lower Upper

99 100

42 12.9 11.2 16.8

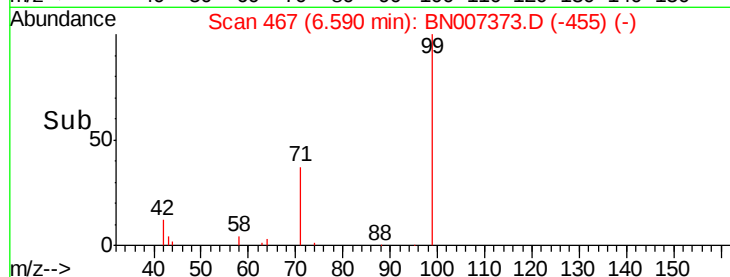
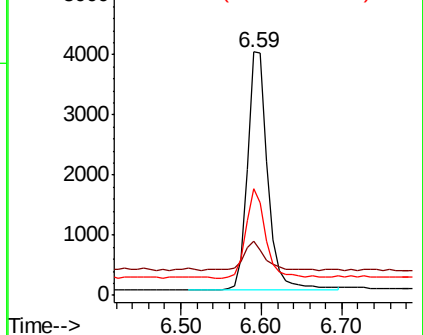
71 37.1 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007373.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007373.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007373.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.265 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

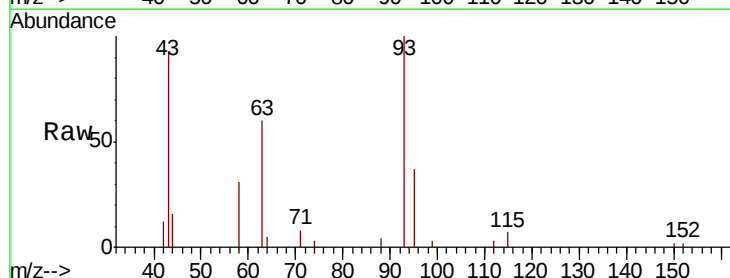
Tgt Ion: 93 Resp: 5567

Ion Ratio Lower Upper

93 100

63 63.1 51.9 77.9

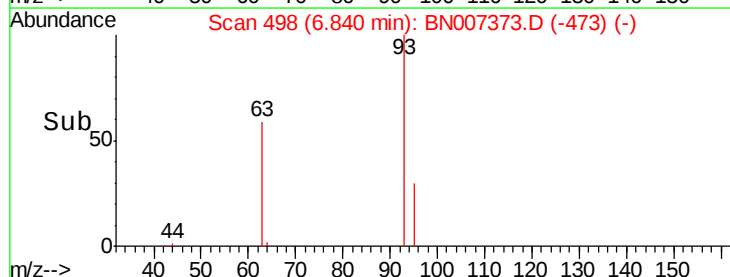
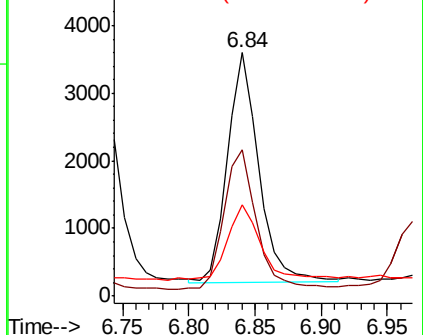
95 34.8 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007373.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007373.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007373.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

Tgt Ion:136 Resp: 24284

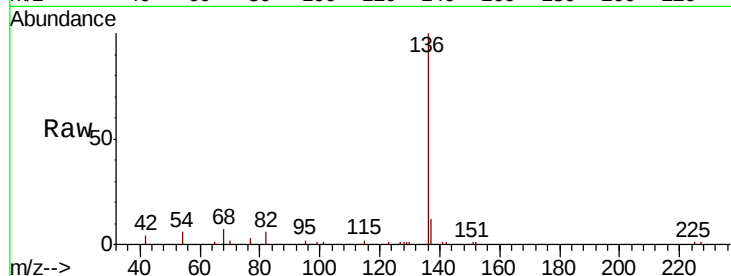
Ion Ratio Lower Upper

136 100

137 11.7 12.9 19.3#

54 6.1 8.6 12.8#

68 7.0 17.0 25.4#

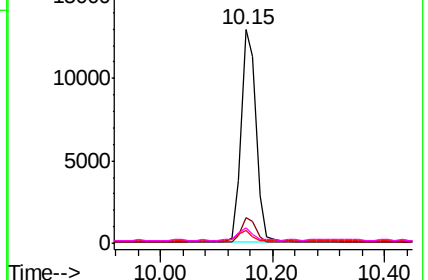
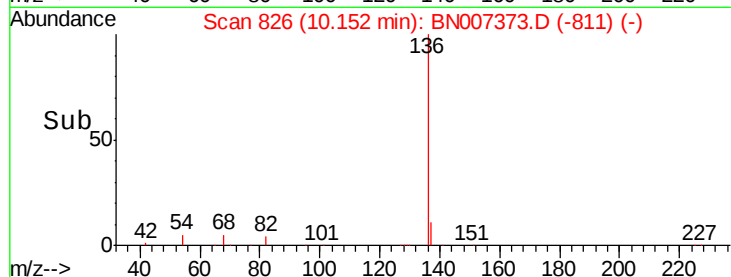


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.256 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

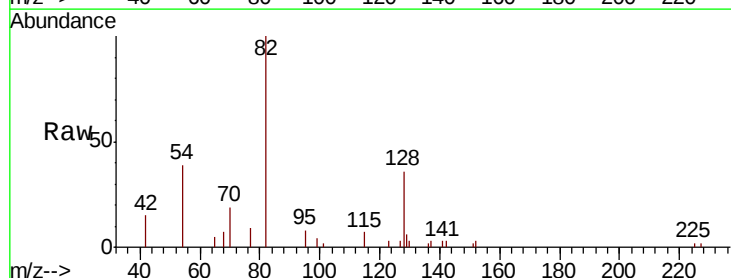
Tgt Ion: 82 Resp: 5406

Ion Ratio Lower Upper

82 100

128 36.1 19.7 29.5#

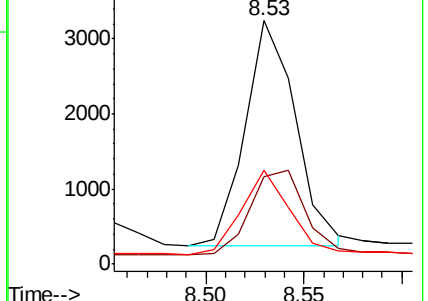
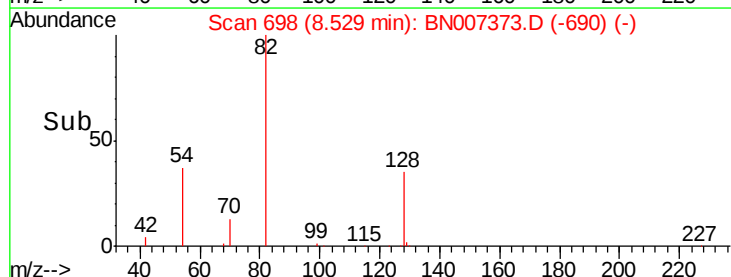
54 38.7 25.8 38.6#

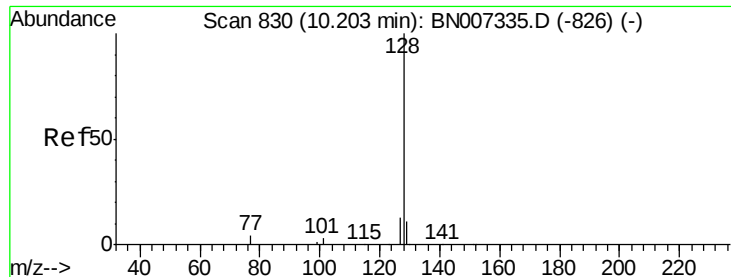


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.281 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

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PB122469BS

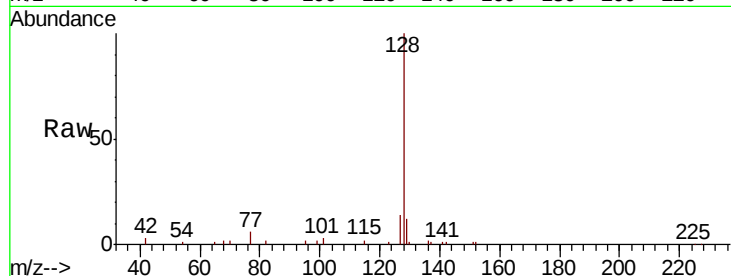
Tgt Ion:128 Resp: 19503

Ion Ratio Lower Upper

128 100

129 11.7 11.1 16.7

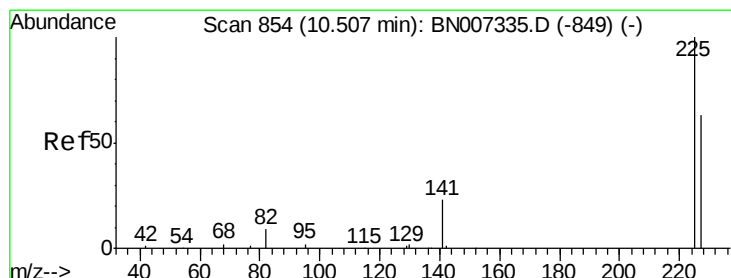
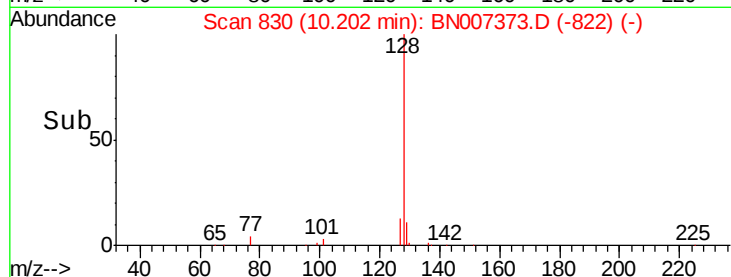
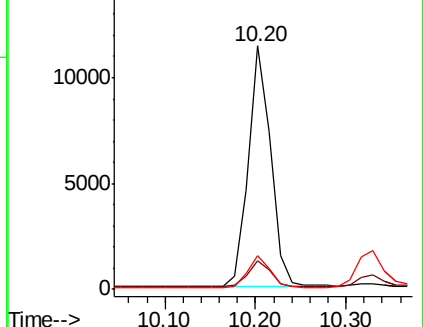
127 13.7 15.5 23.3#



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: 0.263 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

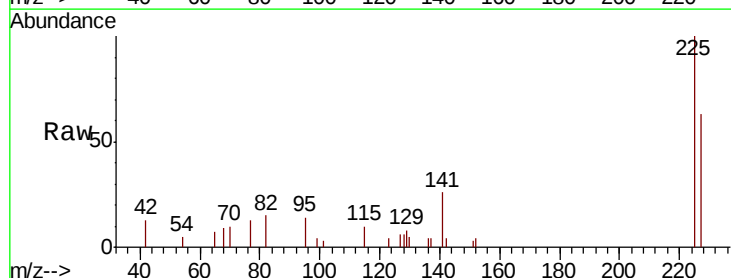
Tgt Ion:225 Resp: 3734

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

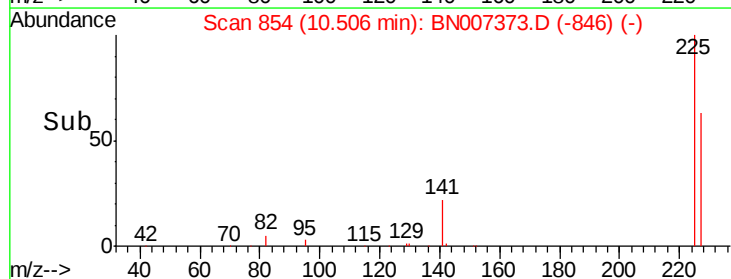
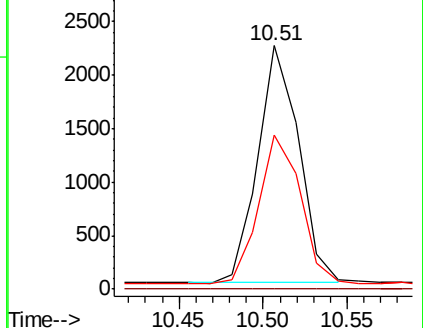
227 63.8 50.7 76.1



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: 0.381 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

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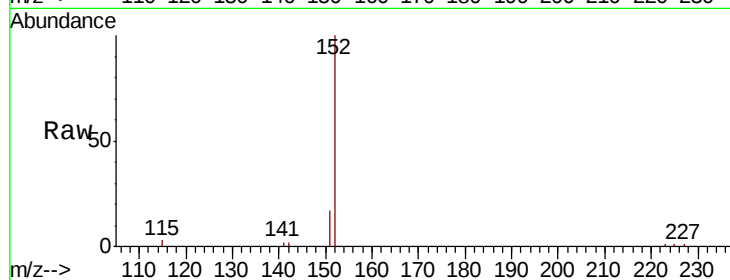
PB122469BS

Tgt Ion:152 Resp: 15382

Ion Ratio Lower Upper

152 100

151 14.3 16.2 24.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

4000

2000

0

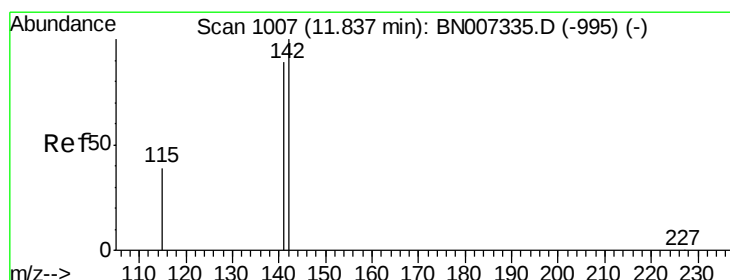
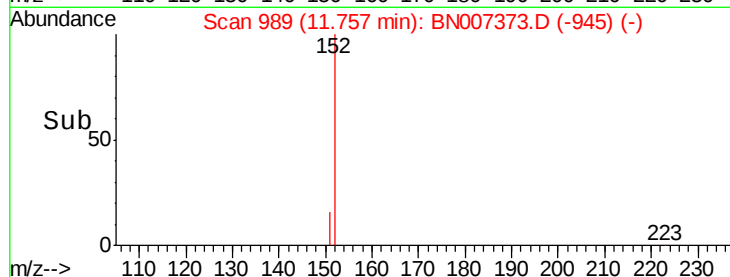
11.60

11.76

11.80

12.00

Time-->



#12

2-Methylnaphthalene

Concen: 0.282 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

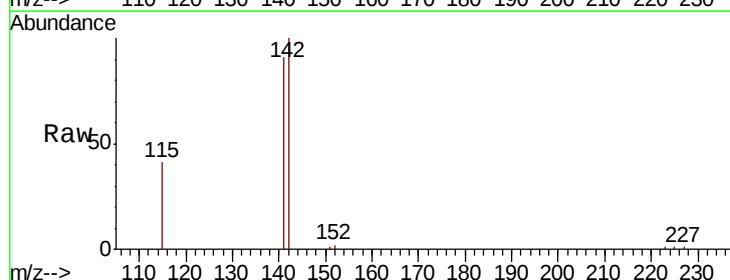
Tgt Ion:142 Resp: 13332

Ion Ratio Lower Upper

142 100

141 90.6 72.8 109.2

115 41.1 35.2 52.8



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

10000

8000

6000

4000

2000

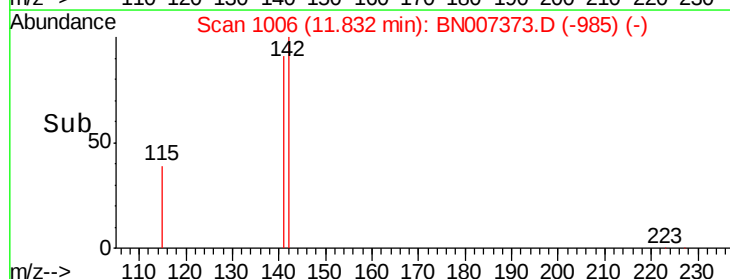
0

11.80

11.83

11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

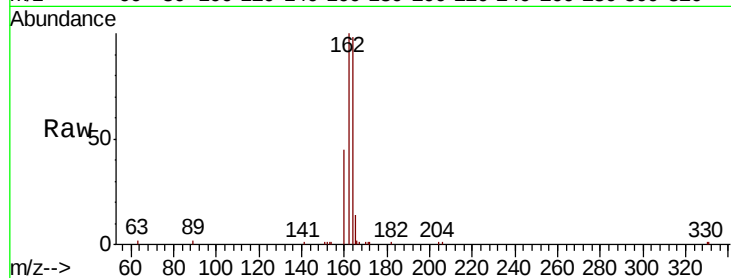
Tgt Ion:164 Resp: 13071

Ion Ratio Lower Upper

164 100

162 102.5 83.5 125.3

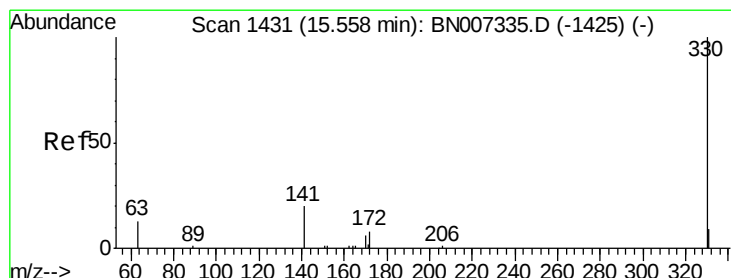
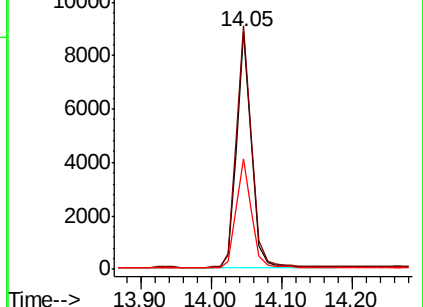
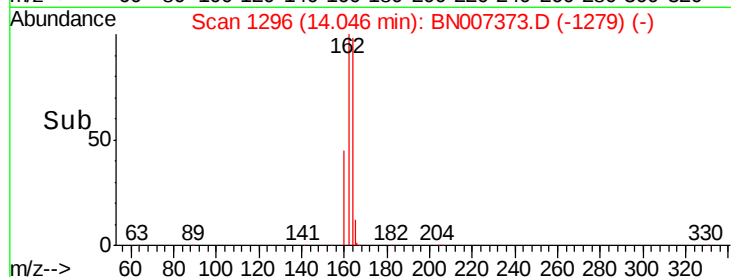
160 46.5 38.2 57.4



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: 0.249 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

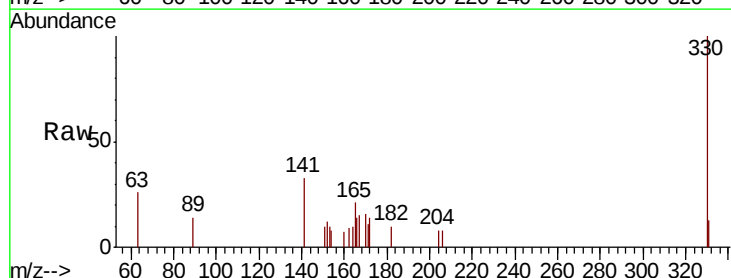
Tgt Ion:330 Resp: 1701

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

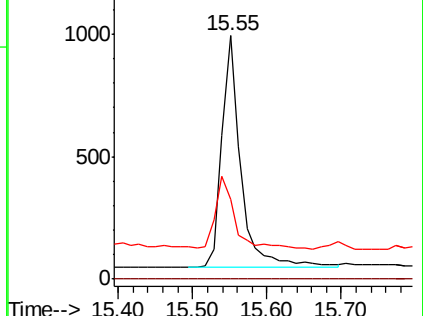
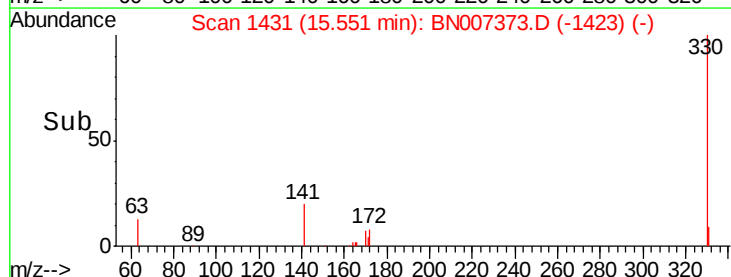
141 32.2 26.9 40.3



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

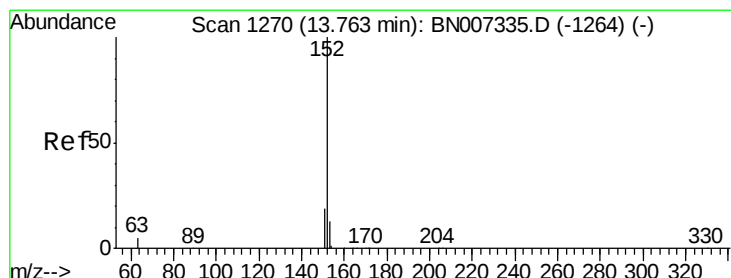
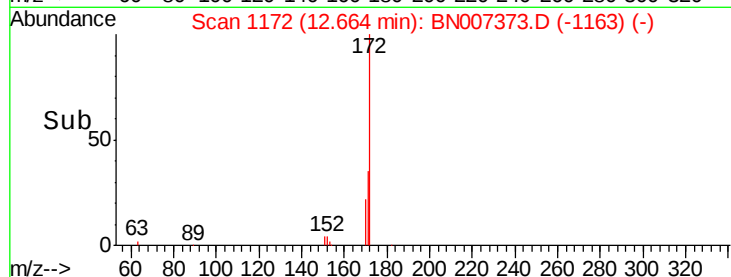
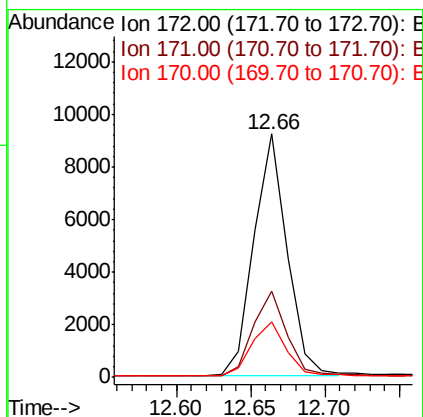
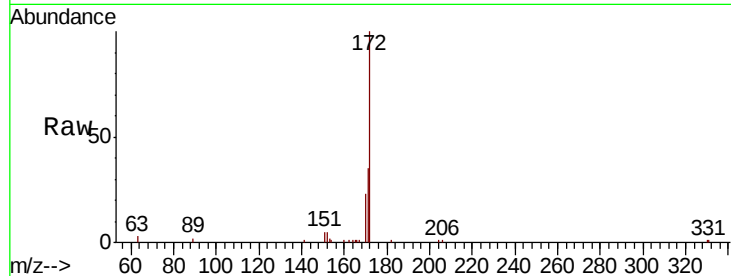




#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007373.D
Acq: 24 Aug 2019 20:54

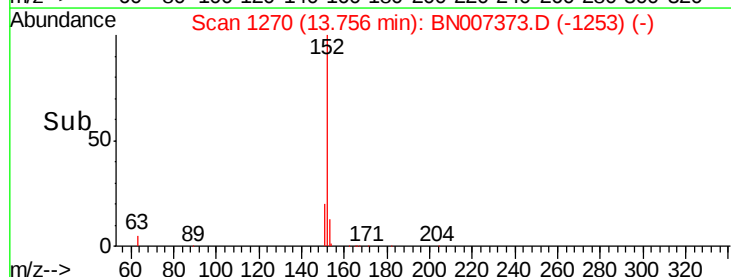
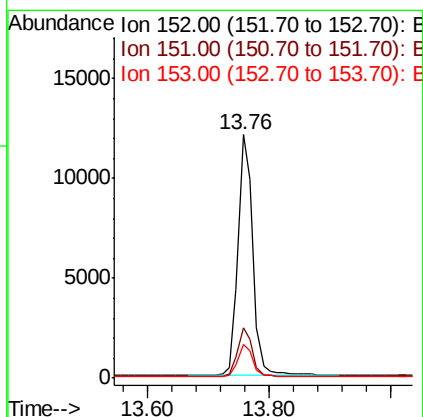
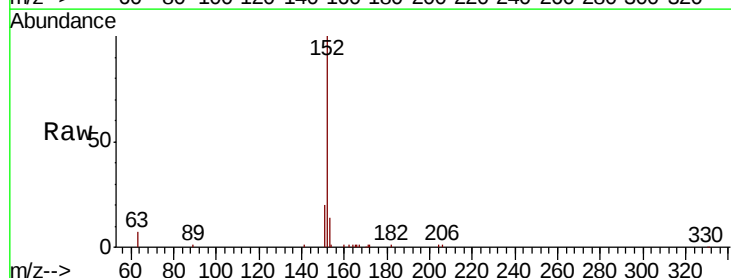
Instrument :
BNA_N
ClientSampleId :
PB122469BS

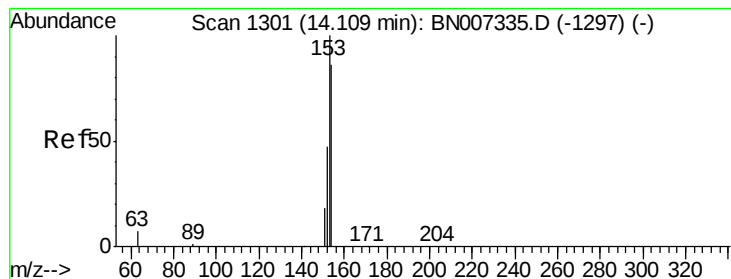
Tgt Ion:172 Resp: 14311
Ion Ratio Lower Upper
172 100
171 35.2 30.3 45.5
170 23.0 20.7 31.1



#16
Acenaphthylene
Concen: 0.266 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007373.D
Acq: 24 Aug 2019 20:54

Tgt Ion:152 Resp: 20569
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.269 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

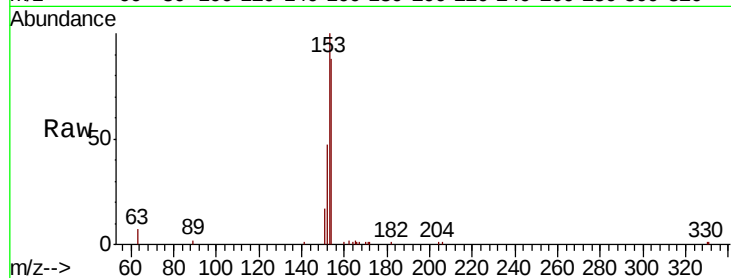
Tgt Ion:154 Resp: 12169

Ion Ratio Lower Upper

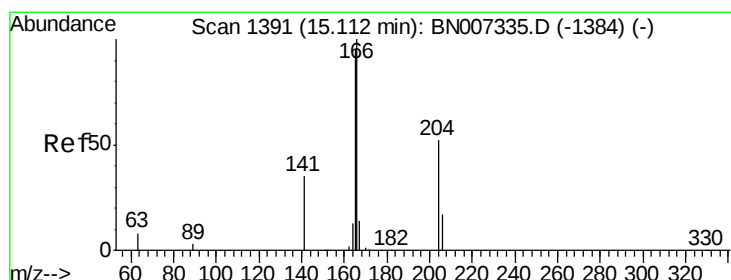
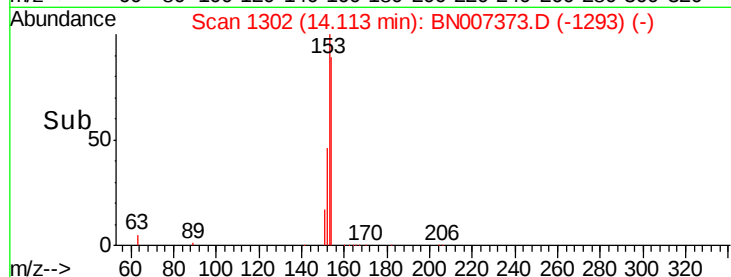
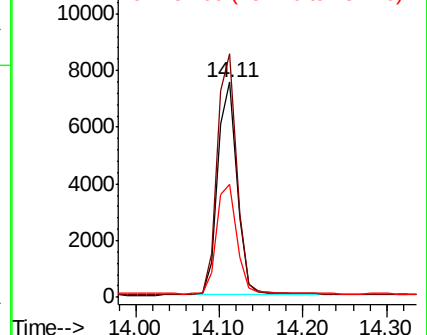
154 100

153 115.3 92.8 139.2

152 54.2 43.8 65.8



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: 0.270 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

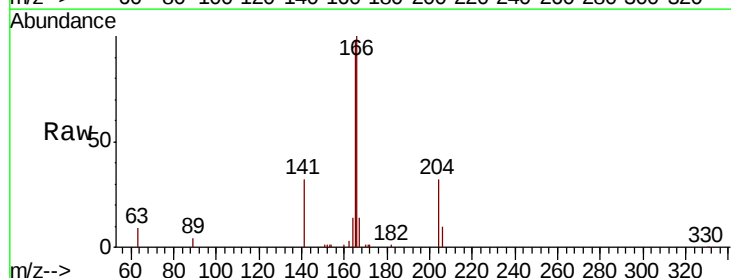
Tgt Ion:166 Resp: 15426

Ion Ratio Lower Upper

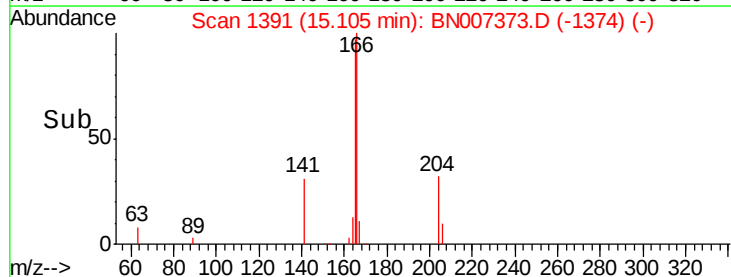
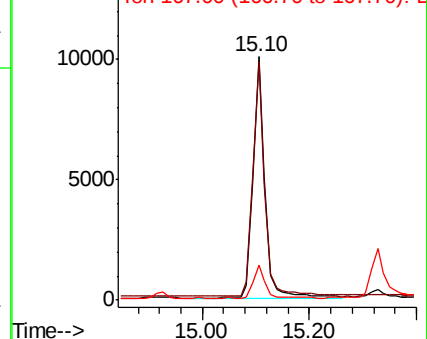
166 100

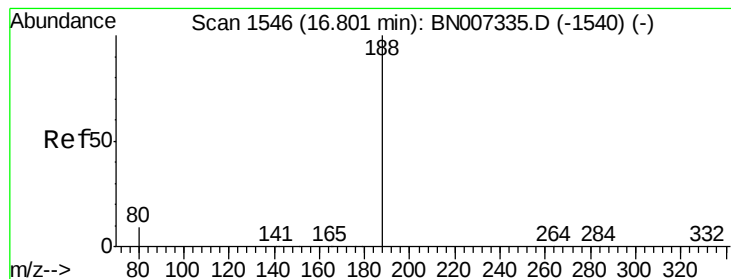
165 97.7 79.0 118.4

167 13.1 10.6 15.8



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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

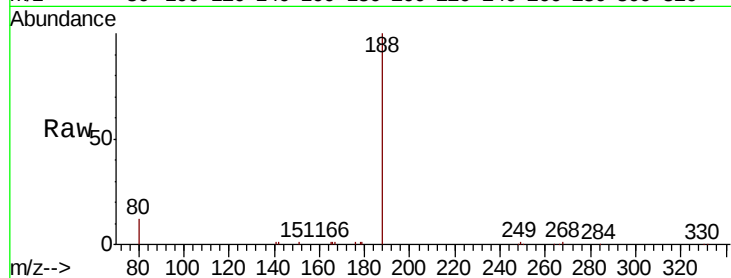
Tgt Ion:188 Resp: 29776

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 11.8 17.8



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

20000

15000

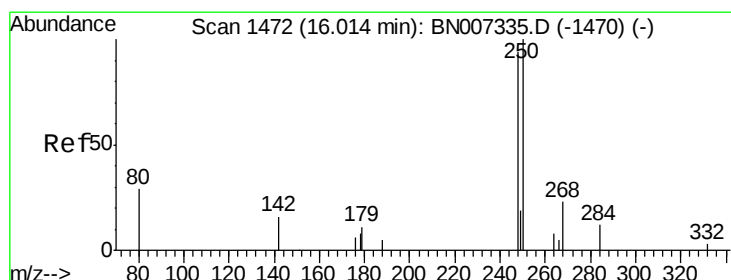
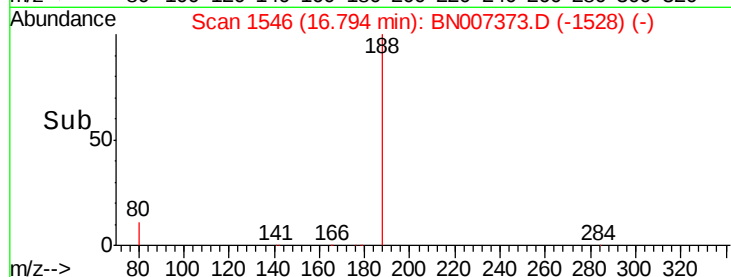
10000

5000

0

16.60 16.80 17.00

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.260 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

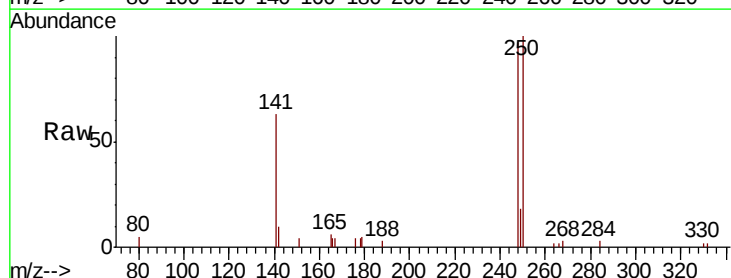
Tgt Ion:248 Resp: 3055

Ion Ratio Lower Upper

248 100

250 102.9 85.0 127.6

141 64.5 51.7 77.5



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

3000

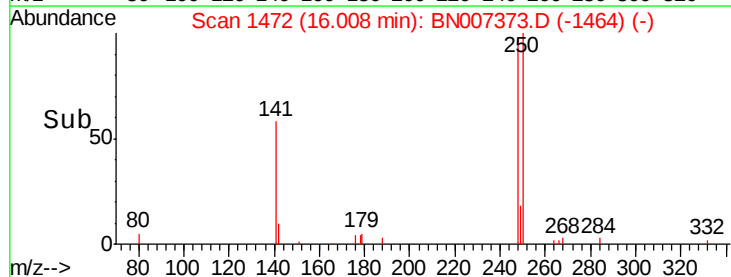
2000

1000

0

15.95 16.00 16.05 16.10

Time-->





#21

Hexachlorobenzene

Concen: 0.285 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

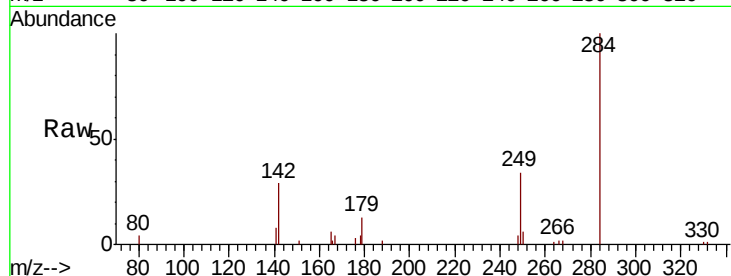
Tgt Ion:284 Resp: 5691

Ion Ratio Lower Upper

284 100

142 32.5 29.0 43.6

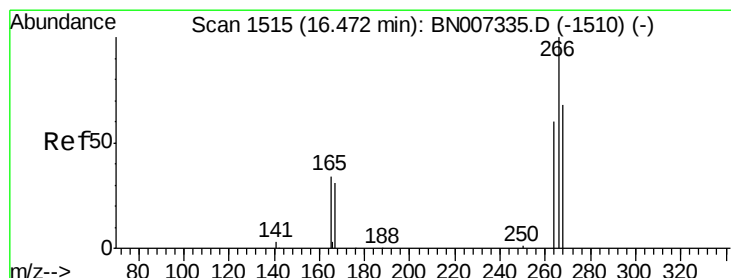
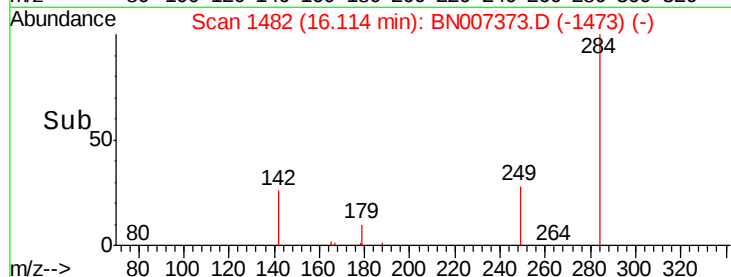
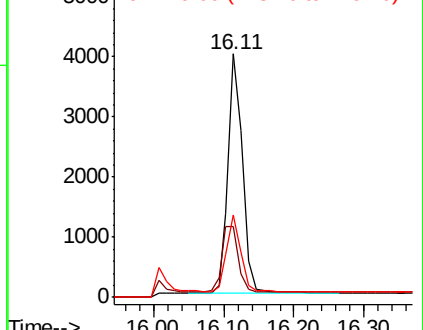
249 30.9 24.9 37.3



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: 0.458 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

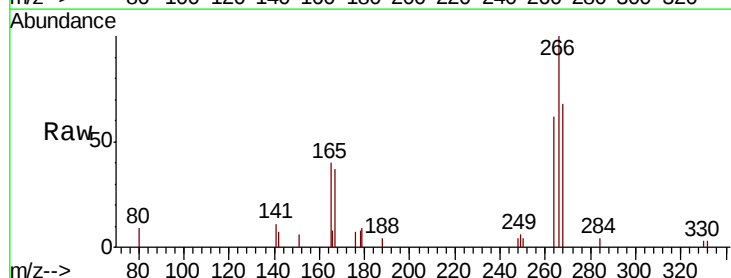
Tgt Ion:266 Resp: 2839

Ion Ratio Lower Upper

266 100

264 62.4 57.8 86.8

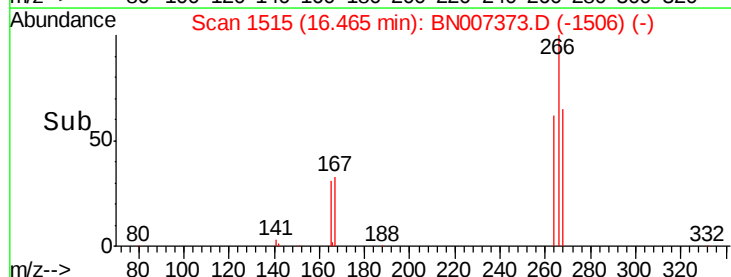
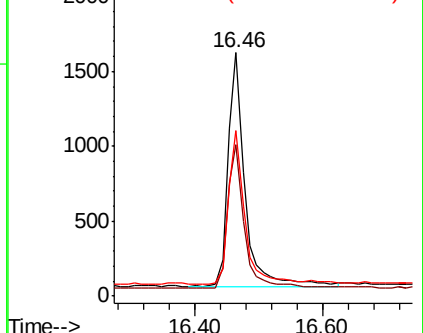
268 67.8 99.7 149.5#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.277 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

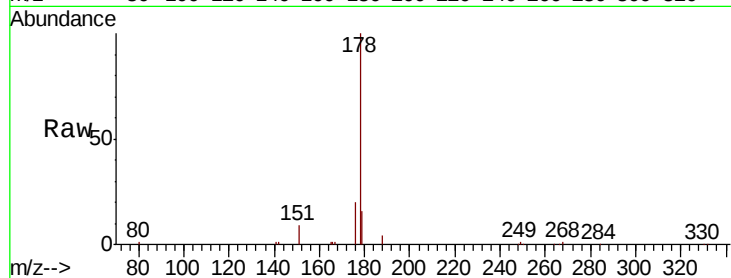
Tgt Ion:178 Resp: 24822

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

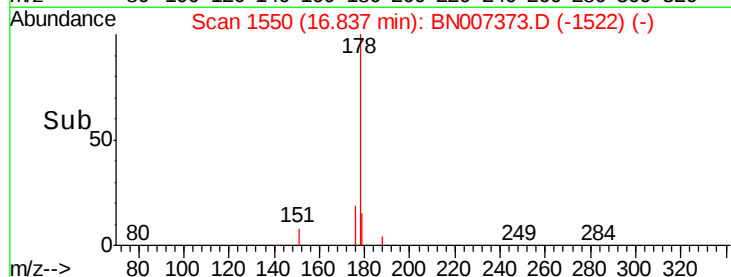
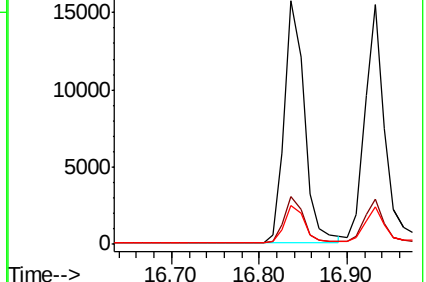
179 15.3 12.6 19.0



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: 0.267 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

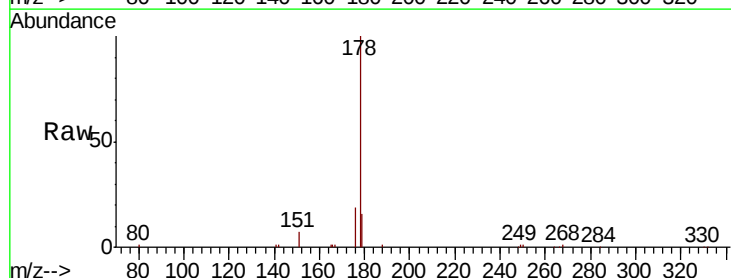
Tgt Ion:178 Resp: 24018

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

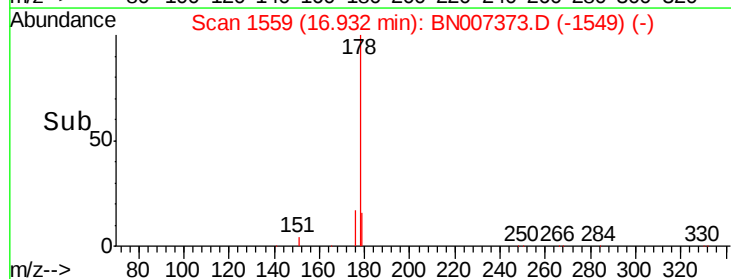
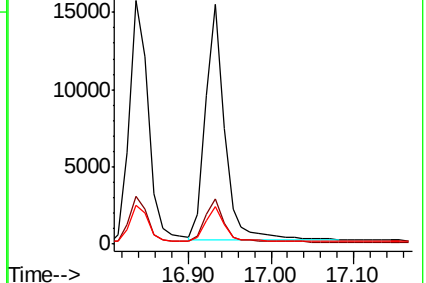
179 15.2 12.4 18.6

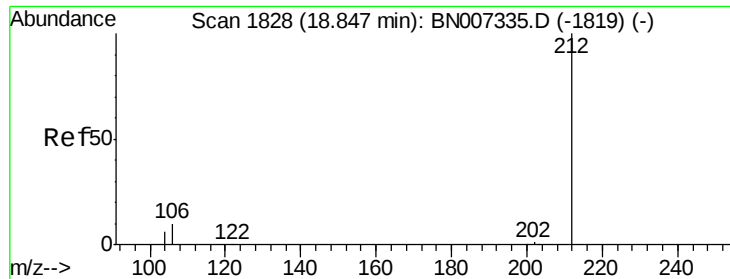


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

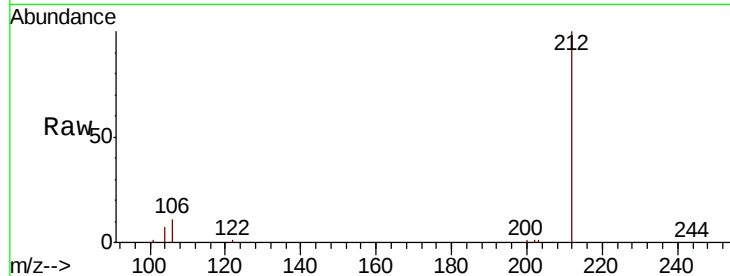
Tgt Ion:212 Resp: 26862

Ion Ratio Lower Upper

212 100

106 11.1 9.0 13.4

104 6.3 5.4 8.2

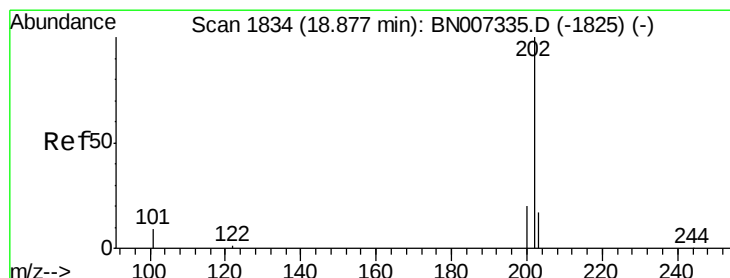
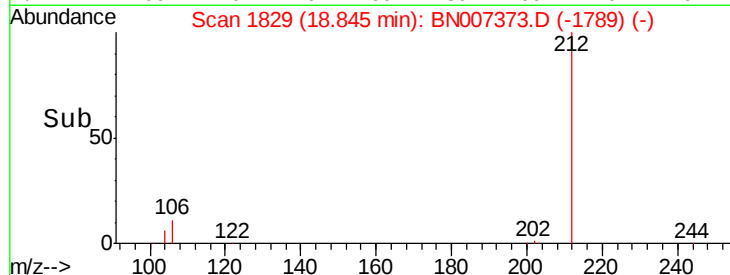
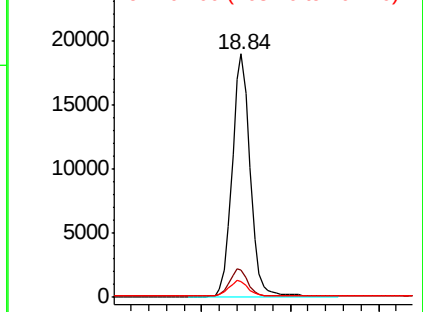


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.289 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

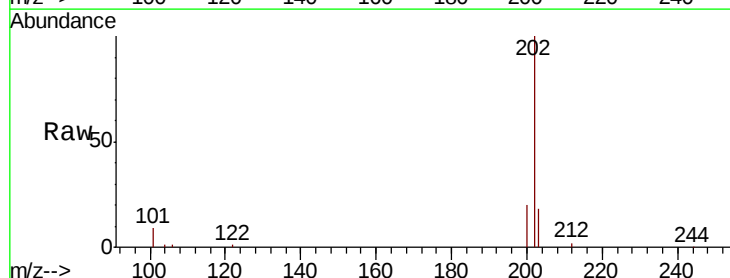
Tgt Ion:202 Resp: 33193

Ion Ratio Lower Upper

202 100

101 9.5 7.7 11.5

203 17.2 13.7 20.5

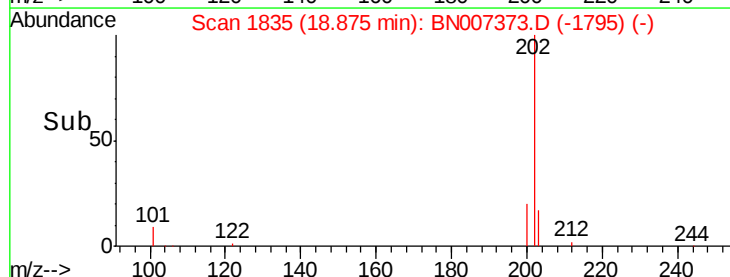
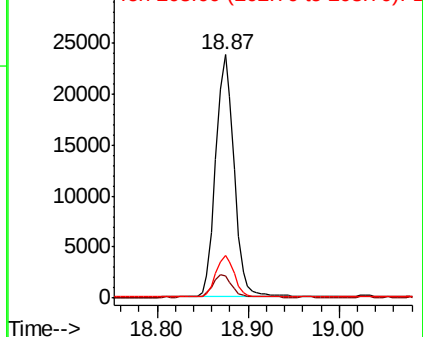


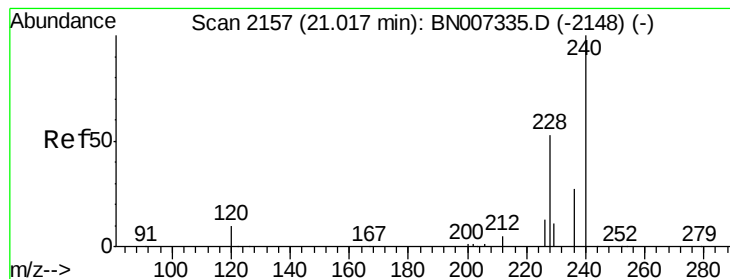
Abundance

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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

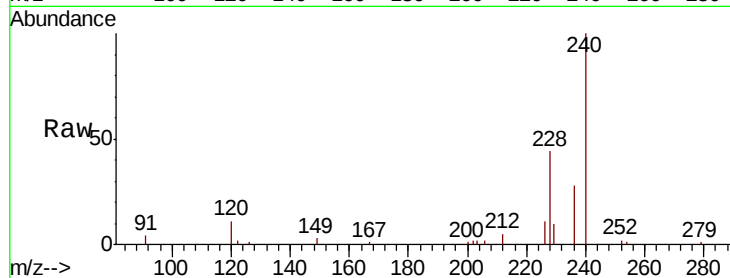
Tgt Ion:240 Resp: 30582

Ion Ratio Lower Upper

240 100

120 11.1 9.6 14.4

236 27.6 22.2 33.2

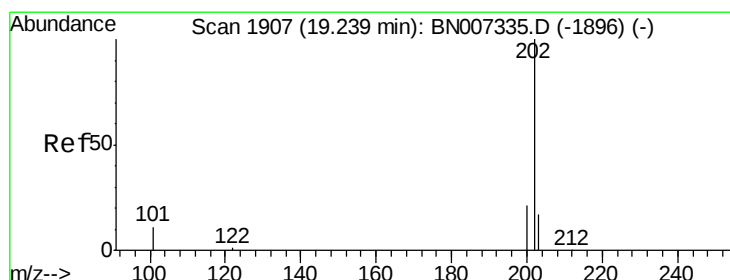
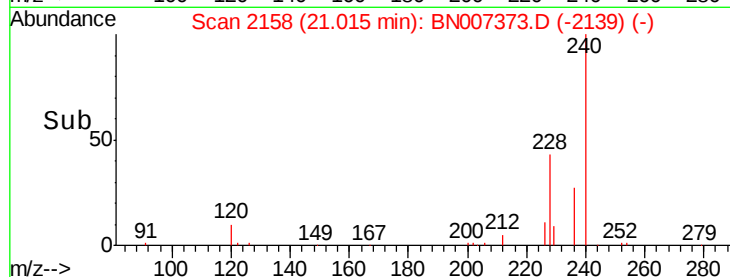
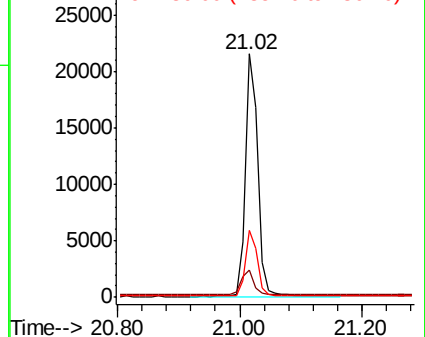


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.276 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

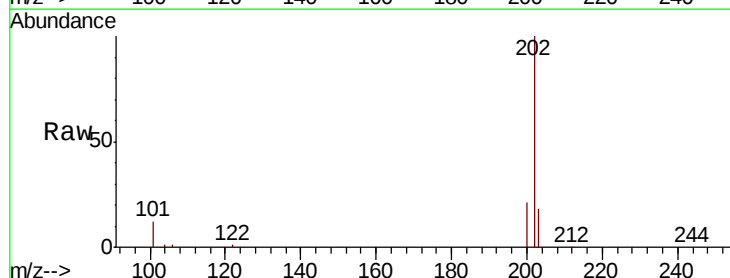
Tgt Ion:202 Resp: 33988

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 18.0 14.2 21.4

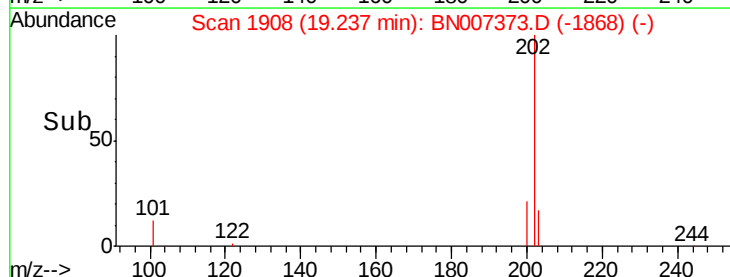
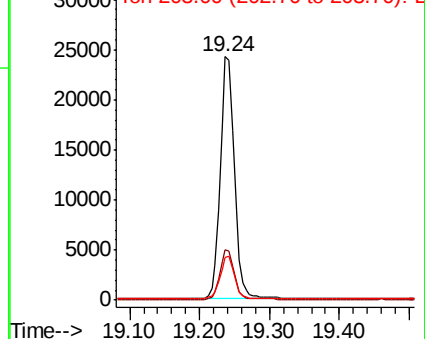


Abundance

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: 0.257 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

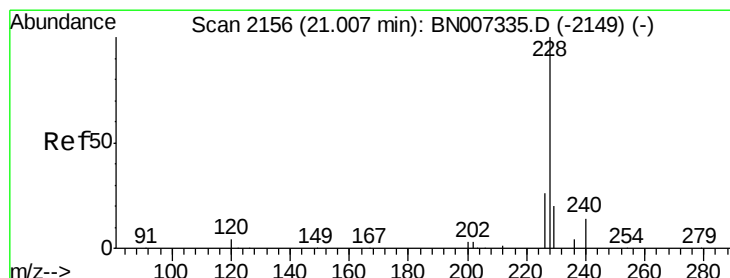
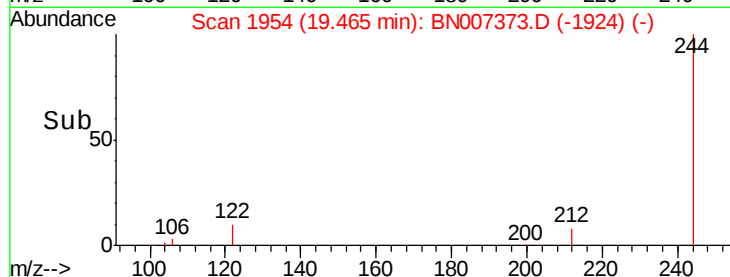
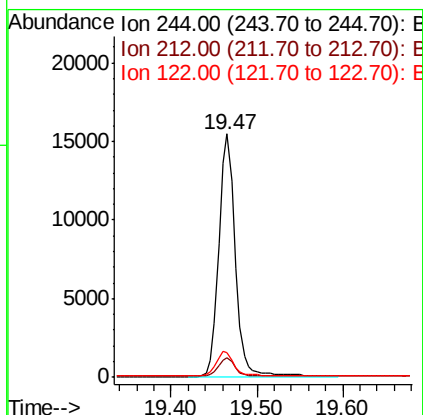
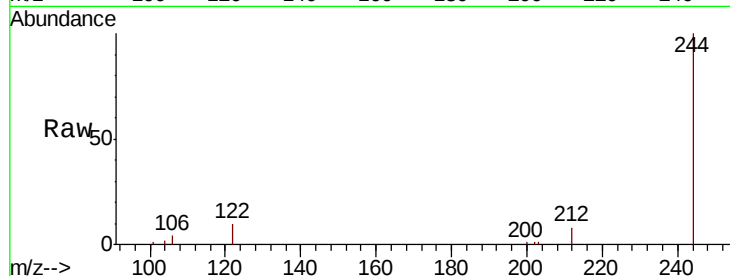
Instrument :

BNA_N

ClientSampleId :

PB122469BS

Tgt Ion:	244	Resp:	20537
Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.6
122	10.3	9.6	14.4



#30

Benzo(a)anthracene

Concen: 0.279 ng

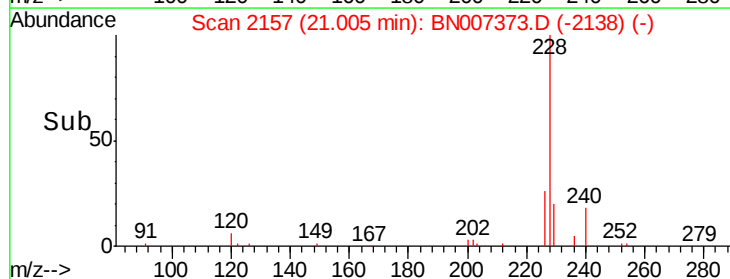
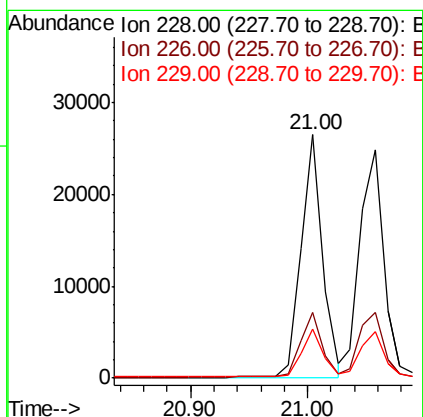
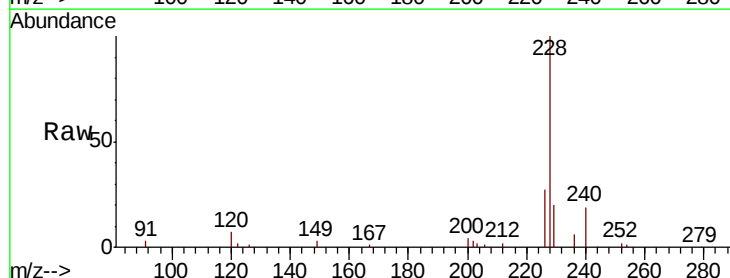
RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Tgt Ion:	228	Resp:	33565
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	20.2	16.1	24.1





#31

Chrysene

Concen: 0.301 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

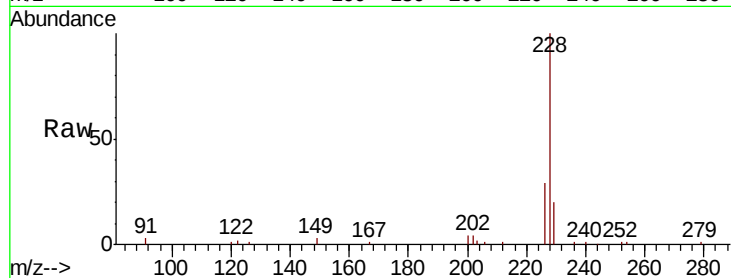
Tgt Ion:228 Resp: 34842

Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

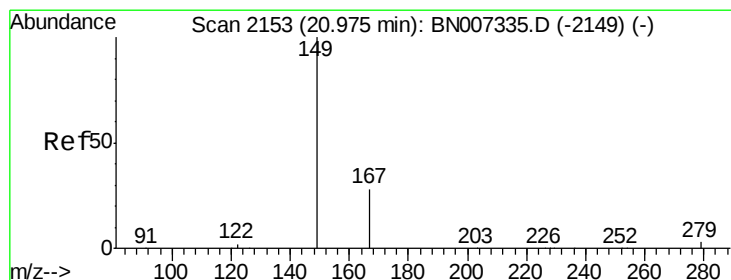
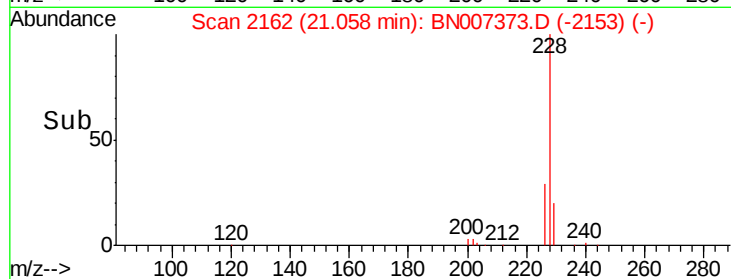
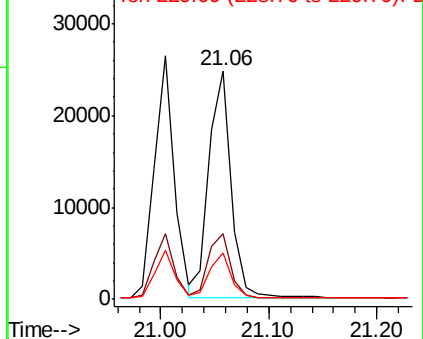
229 20.3 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.216 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

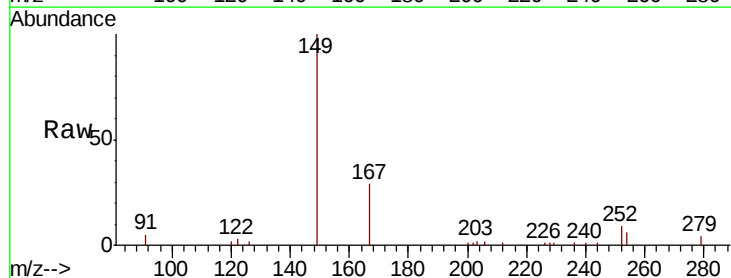
Tgt Ion:149 Resp: 18267

Ion Ratio Lower Upper

149 100

167 27.9 22.8 34.2

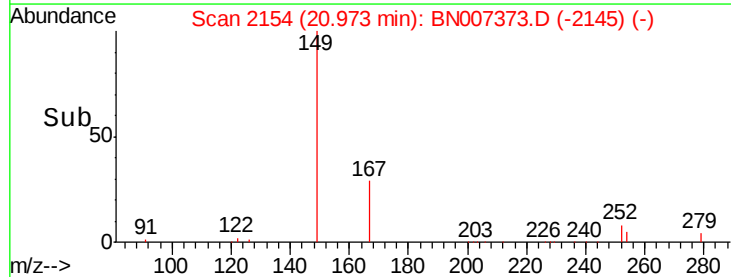
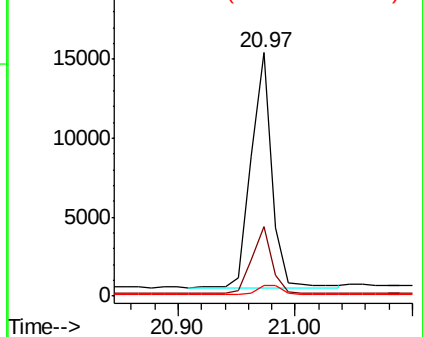
279 4.4 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

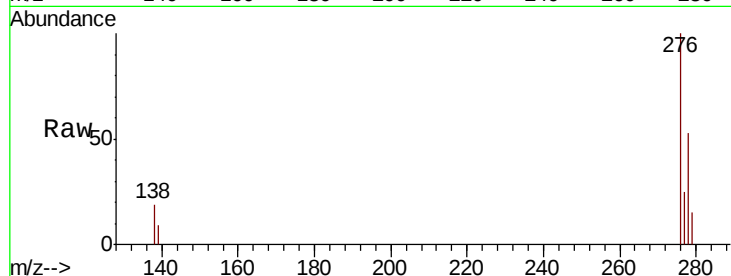




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.296 ng
 RT: 25.19 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BN007373.D
 Acq: 24 Aug 2019 20:54

Instrument :
 BNA_N
 ClientSampleId :
 PB122469BS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.1	22.7
277	24.4	19.7	29.5

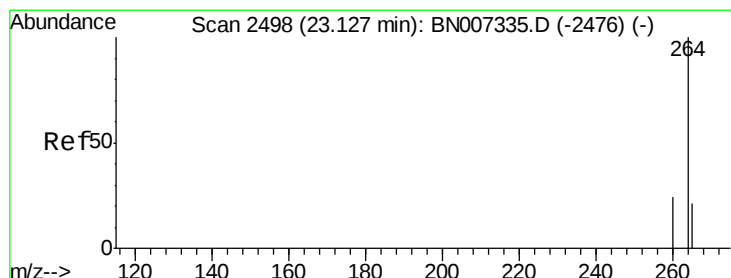
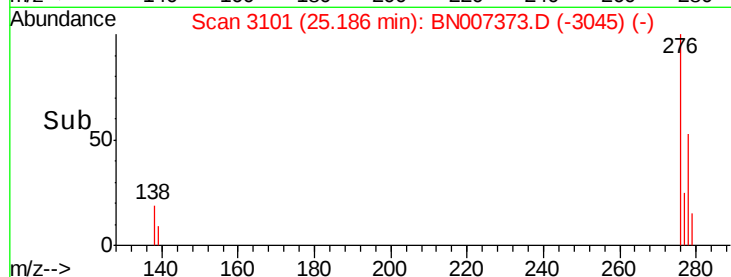
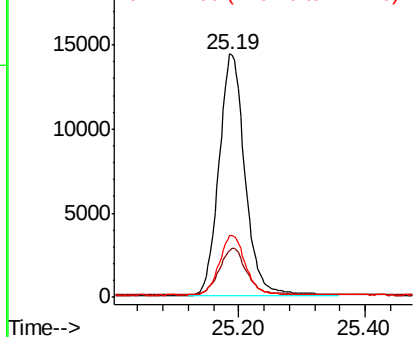


Abundance

Ion 276.00 (275.70 to 276.70): E

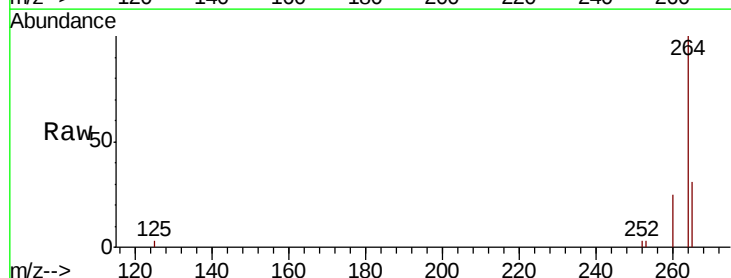
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007373.D
 Acq: 24 Aug 2019 20:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	31.0	29.9	44.9

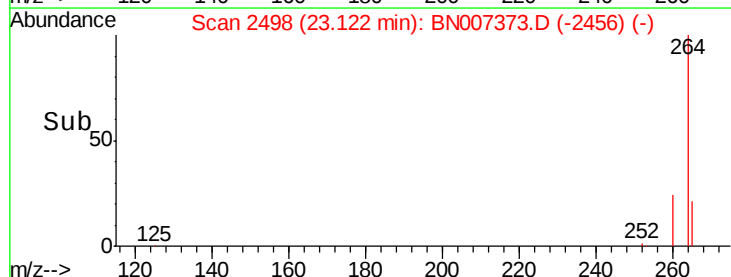
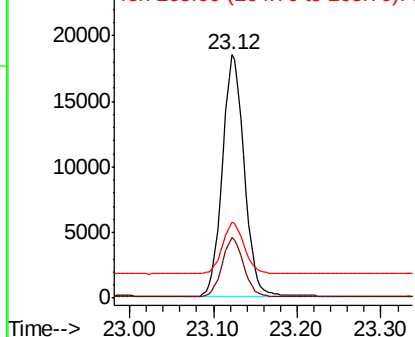


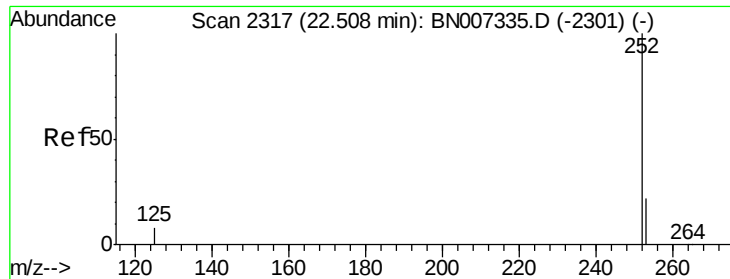
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.294 ng

RT: 22.55 min Scan# 2330

Delta R.T. 0.04 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

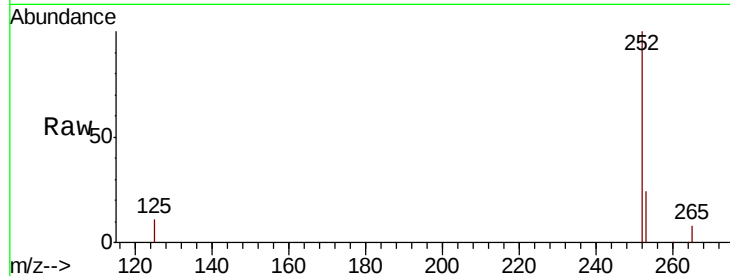
Tgt Ion:252 Resp: 35677

Ion Ratio Lower Upper

252 100

253 23.6 19.2 28.8

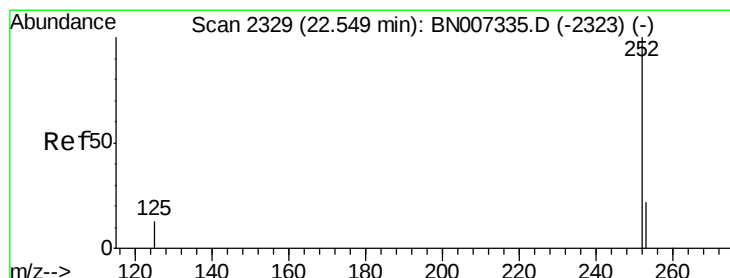
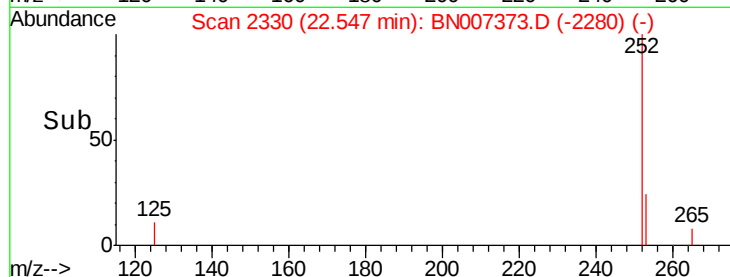
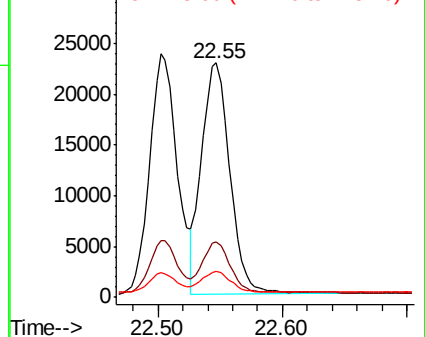
125 11.1 10.6 16.0



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



#36

Benzo(k)fluoranthene

Concen: 0.298 ng

RT: 22.55 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

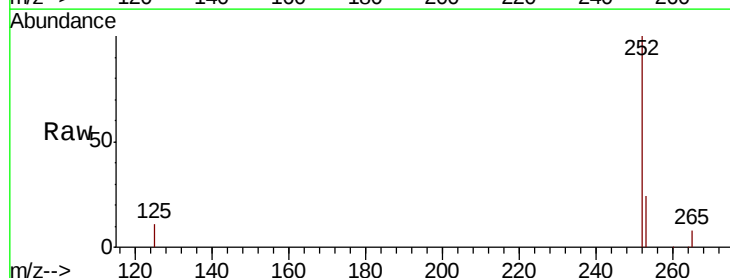
Tgt Ion:252 Resp: 35677

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

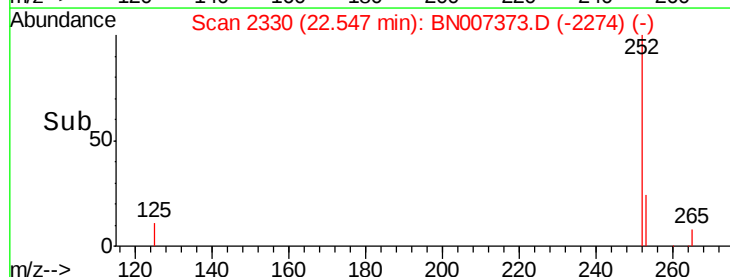
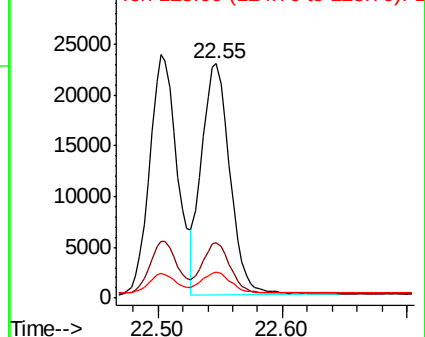
125 11.1 13.1 19.7#



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: 0.295 ng

RT: 23.03 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS

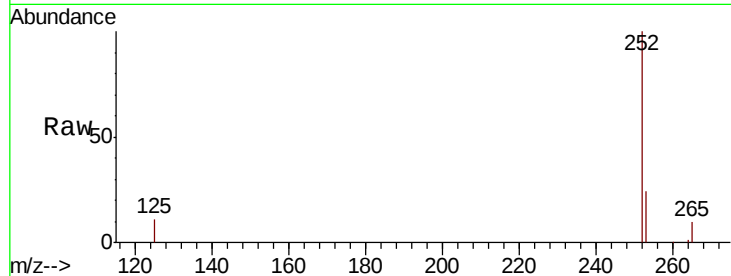
Tgt Ion:252 Resp: 34084

Ion Ratio Lower Upper

252 100

253 23.8 19.5 29.3

125 11.3 12.1 18.1#

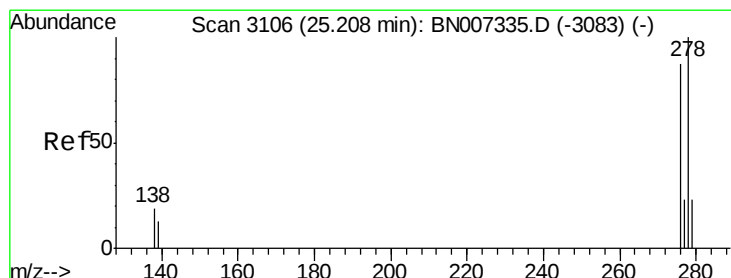
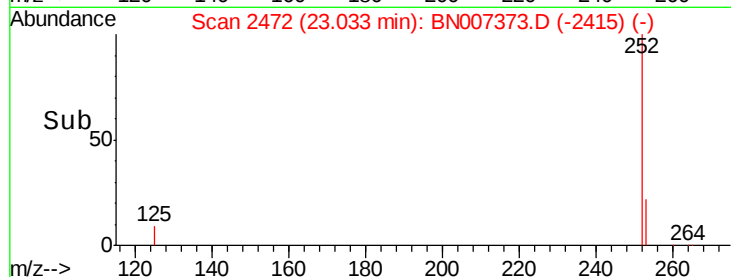
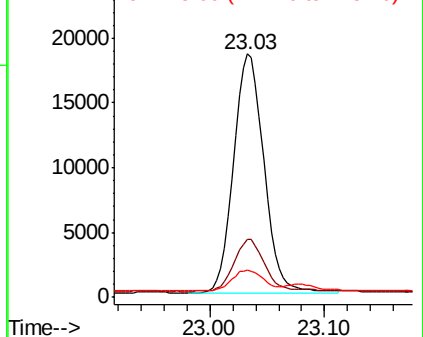


Abundance

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: 0.295 ng

RT: 25.20 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN007373.D

Acq: 24 Aug 2019 20:54

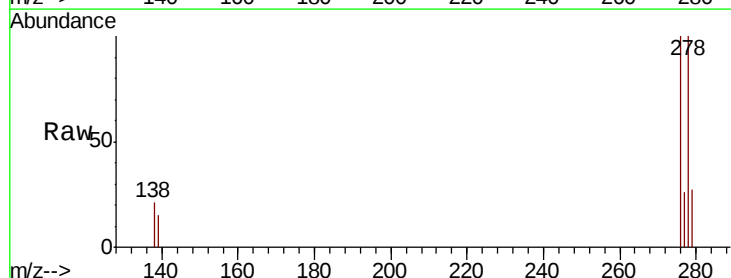
Tgt Ion:278 Resp: 34031

Ion Ratio Lower Upper

278 100

139 14.6 13.7 20.5

279 26.5 20.2 30.4

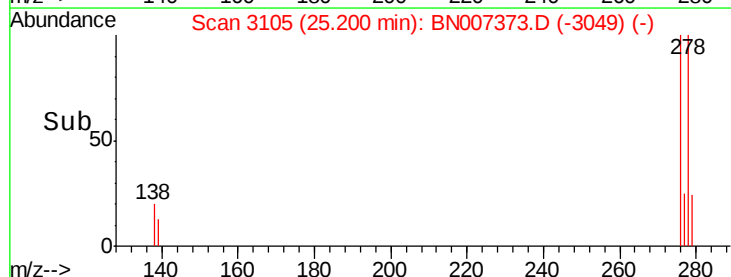
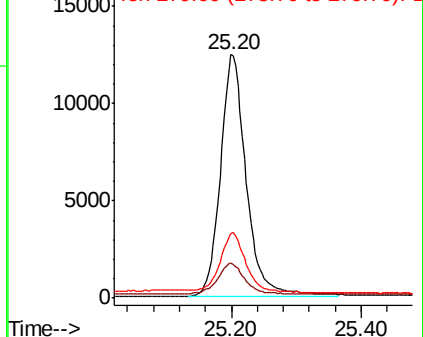


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.305 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007373.D

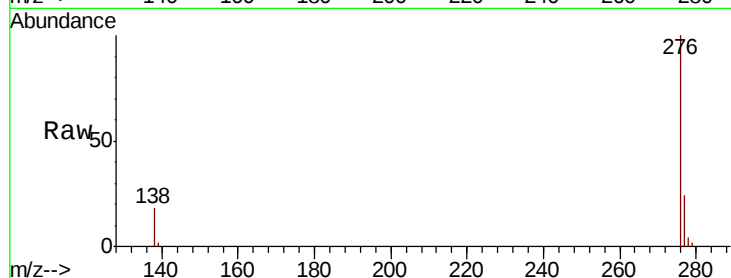
Acq: 24 Aug 2019 20:54

Instrument :

BNA_N

ClientSampleId :

PB122469BS



Tgt Ion: 276 Resp: 35051

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 17.9 16.3 24.5

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

