

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
 Data File : BN007540.D
 Acq On : 05 Sep 2019 19:28
 Operator : HP/JU
 Sample : PB122506BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122506BS

Quant Time: Sep 06 01:59:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5538	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	25840	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	15882	0.40	ng	-0.01
19) Phenanthrene-d10	16.79	188	38063	0.40	ng	-0.01
27) Chrysene-d12	21.01	240	33784	0.40	ng	-0.01
34) Perylene-d12	23.11	264	33278	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.02	112	6064	0.31	ng	-0.02
5) Phenol-d6	6.58	99	7616	0.30	ng	0.00
8) Nitrobenzene-d5	8.53	82	6718	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	17323	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	2277	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	25343	0.40	ng	0.00
25) Fluoranthene-d10	18.83	212	42806	0.35	ng	-0.01
29) Terphenyl-d14	19.45	244	36308	0.41	ng	-0.01

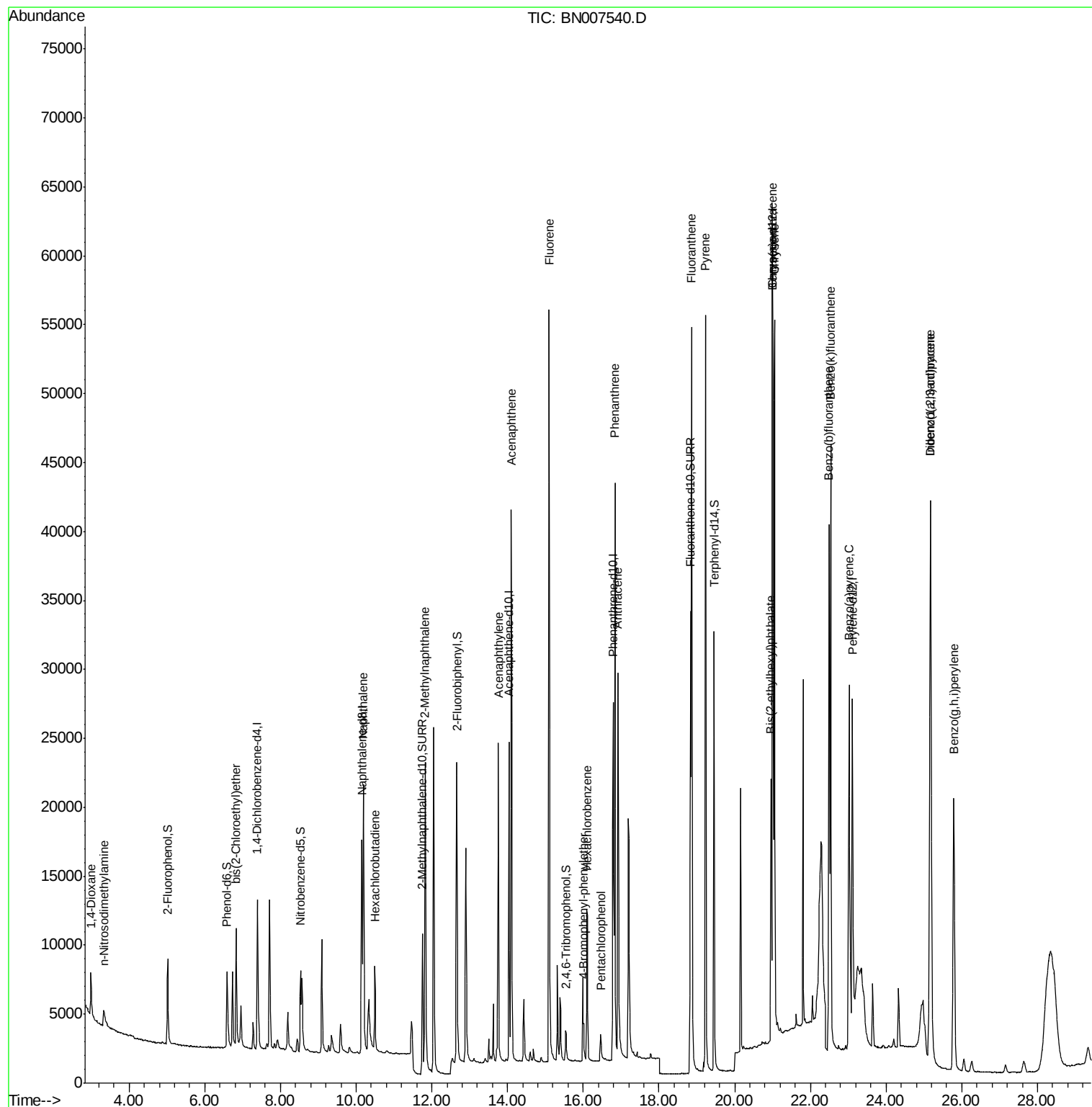
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.00	88	3641	0.396	ng	# 79
3) n-Nitrosodimethylamine	3.33	42	1019	0.238	ng	# 74
6) bis(2-Chloroethyl)ether	6.83	93	7937	0.397	ng	99
9) Naphthalene	10.19	128	29050	0.393	ng	# 90
10) Hexachlorobutadiene	10.49	225	5272	0.349	ng	# 98
12) 2-Methylnaphthalene	11.82	142	20551	0.409	ng	97
16) Acenaphthylene	13.75	152	28882	0.307	ng	99
17) Acenaphthene	14.10	154	21074	0.383	ng	98
18) Fluorene	15.10	166	27725	0.399	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	1359	0.091	ng	# 91
21) Hexachlorobenzene	16.11	284	9850	0.386	ng	97
22) Pentachlorophenol	16.46	266	1580	0.199	ng	# 65
23) Phenanthrene	16.83	178	45506	0.397	ng	99
24) Anthracene	16.92	178	38436	0.334	ng	99
26) Fluoranthene	18.87	202	53290	0.363	ng	98
28) Pyrene	19.23	202	53696	0.395	ng	99
30) Benzo(a)anthracene	21.00	228	44740	0.337	ng	100
31) Chrysene	21.05	228	50975	0.398	ng	98
32) Bis(2-ethylhexyl)phthalate	20.95	149	19988	0.214	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	50874	0.330	ng	# 95
35) Benzo(b)fluoranthene	22.49	252	47956	0.398	ng	# 96
36) Benzo(k)fluoranthene	22.54	252	51020	0.428	ng	98
37) Benzo(a)pyrene	23.02	252	41191	0.359	ng	# 95
38) Dibenzo(a,h)anthracene	25.18	278	40660	0.355	ng	98
39) Benzo(g,h,i)perylene	25.79	276	41063	0.360	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: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

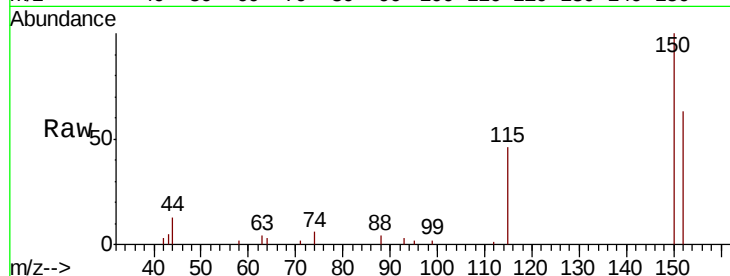
Tot Ion:152 Resp: 5538

Ion Ratio Lower Upper

152 100

150 158.0 109.1 163.7

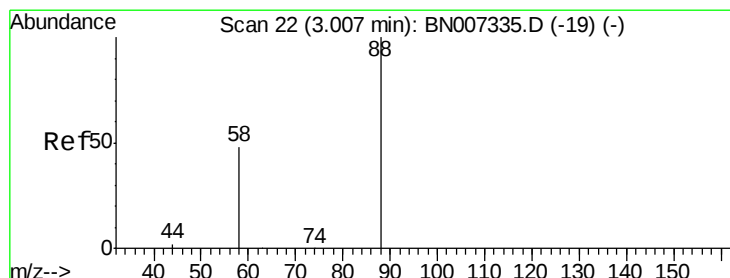
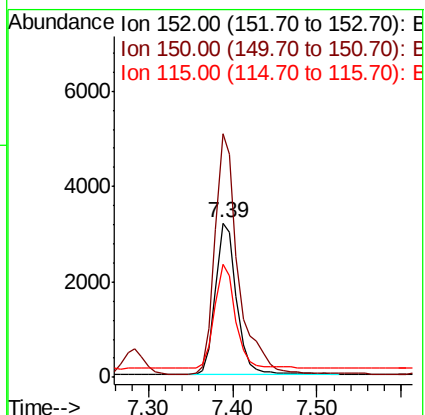
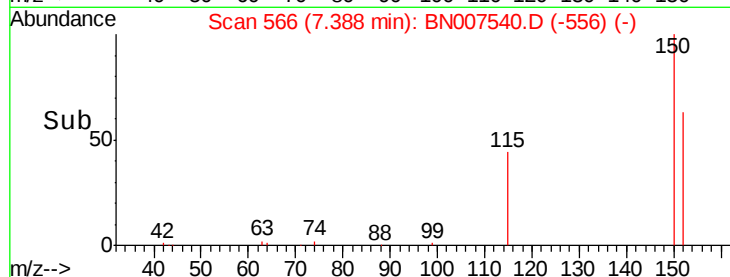
115 73.4 59.6 89.4



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: 0.396 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

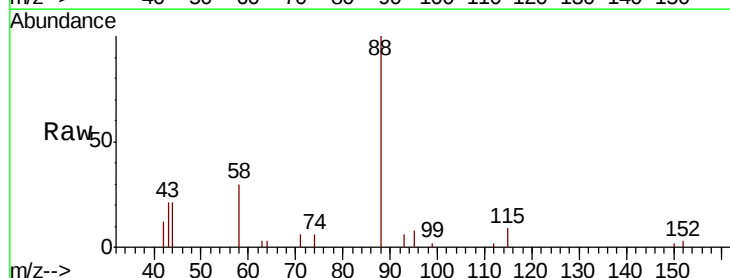
Tgt Ion: 88 Resp: 3641

Ion Ratio Lower Upper

88 100

58 46.7 50.5 75.7#

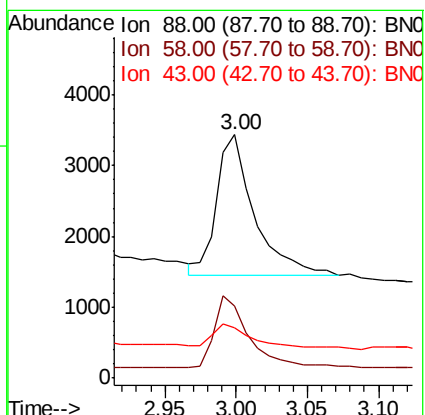
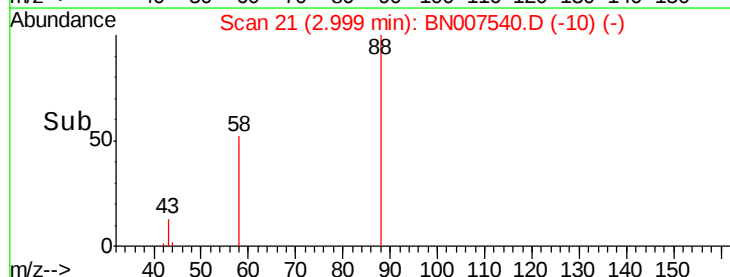
43 16.3 0.0 0.0#

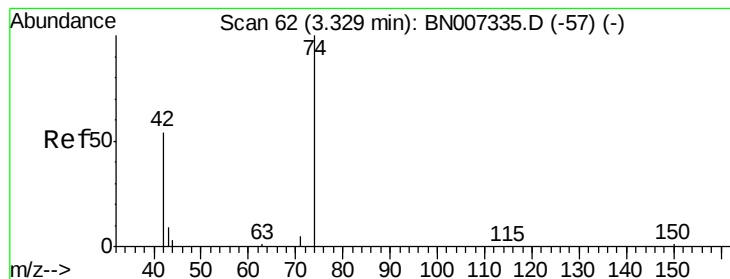


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.238 ng

RT: 3.33 min Scan# 62

Delta R.T. 0.00 min

Lab File: BN007540.D

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Instrument :

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PB122506BS

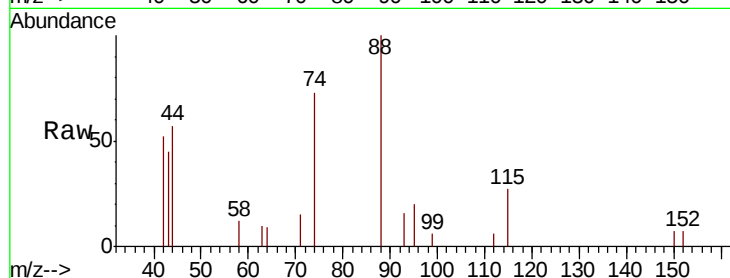
Tot Ion: 42 Resp: 1019

Ion Ratio Lower Upper

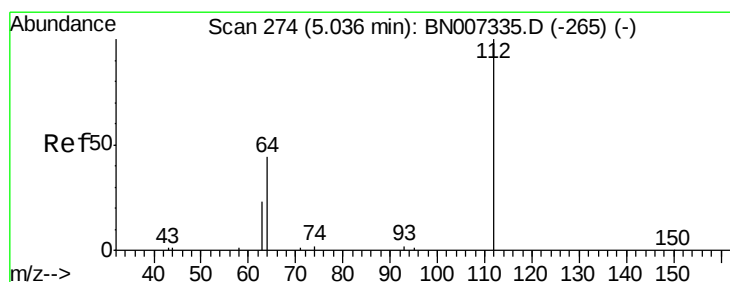
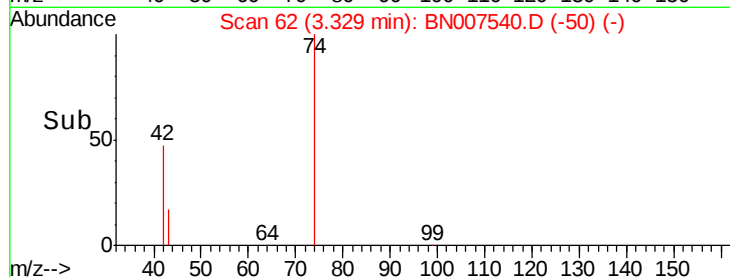
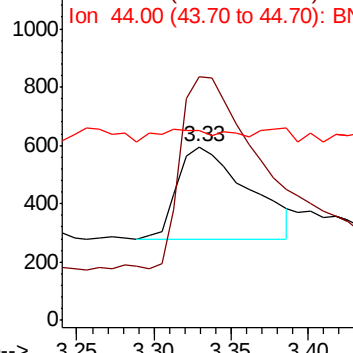
42 100

74 218.1 144.7 217.1#

44 14.3 3.2 4.8#



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



#4

2-Fluorophenol

Concen: 0.309 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

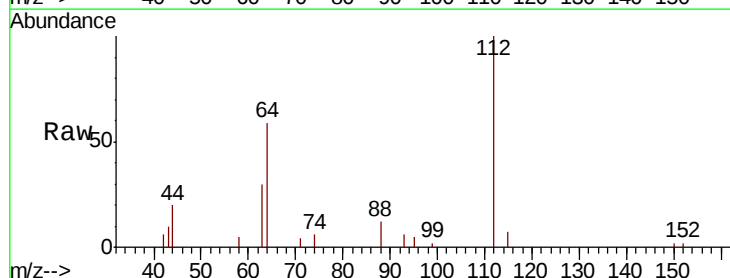
Tgt Ion: 112 Resp: 6064

Ion Ratio Lower Upper

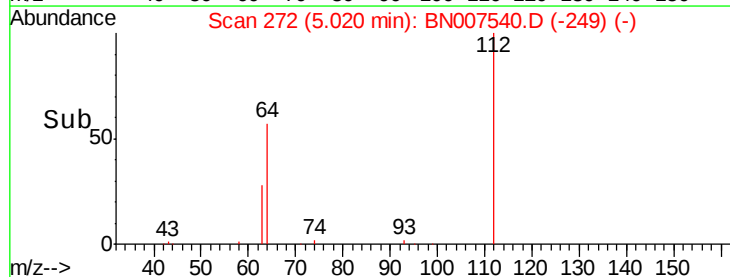
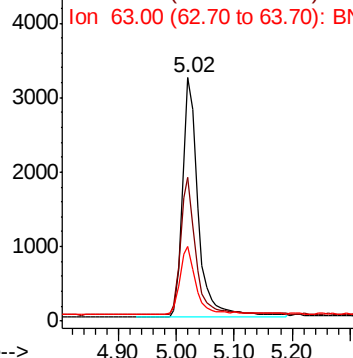
112 100

64 54.9 42.3 63.5

63 28.6 23.6 35.4



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





#5

Phenol-d6

Concen: 0.304 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

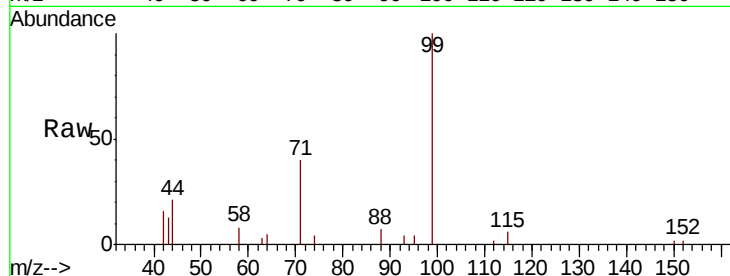
Tot Ion: 99 Resp: 7616

Ion Ratio Lower Upper

99 100

42 10.9 11.2 16.8#

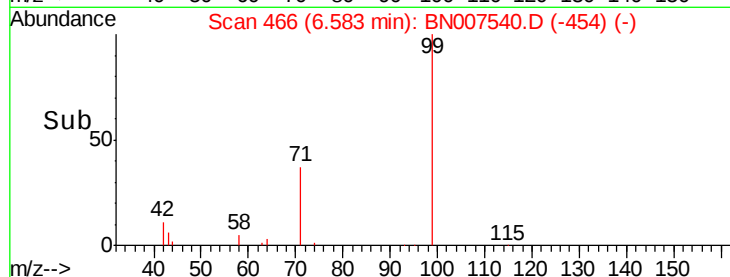
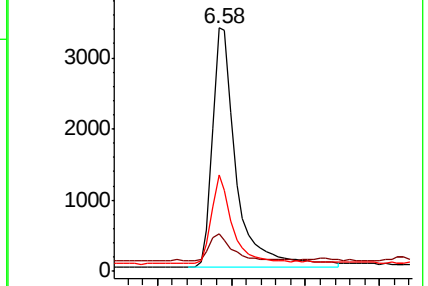
71 33.0 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007540.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007540.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007540.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.397 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

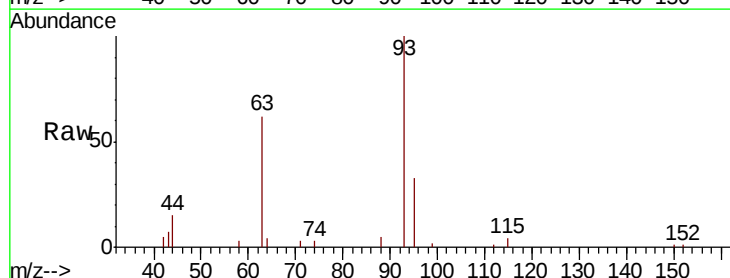
Tgt Ion: 93 Resp: 7937

Ion Ratio Lower Upper

93 100

63 65.1 51.9 77.9

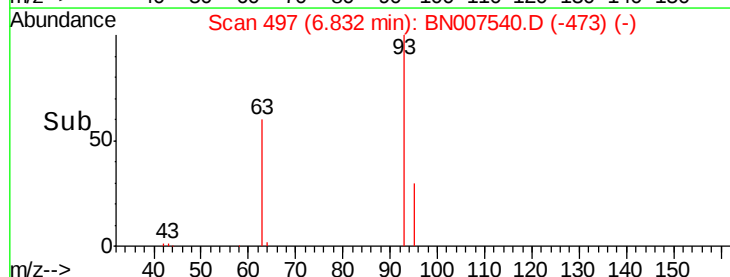
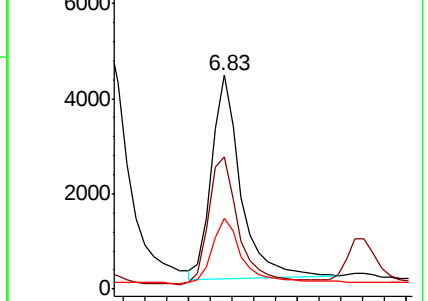
95 32.5 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007540.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007540.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007540.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

Tot Ion:136 Resp: 25840

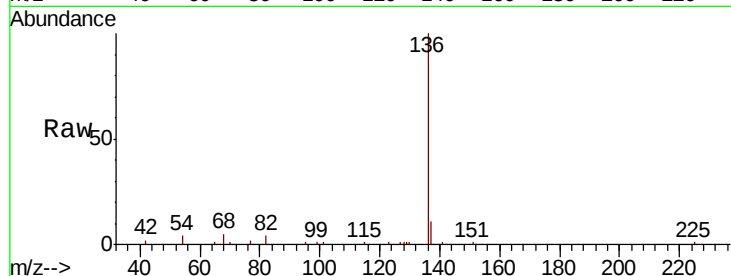
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 3.8 8.6 12.8#

68 5.2 17.0 25.4#

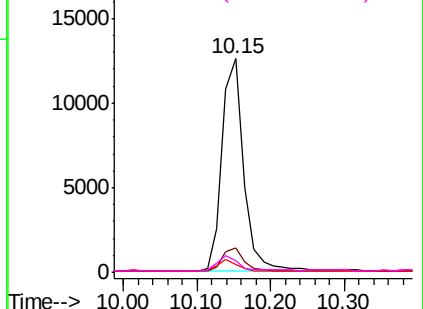
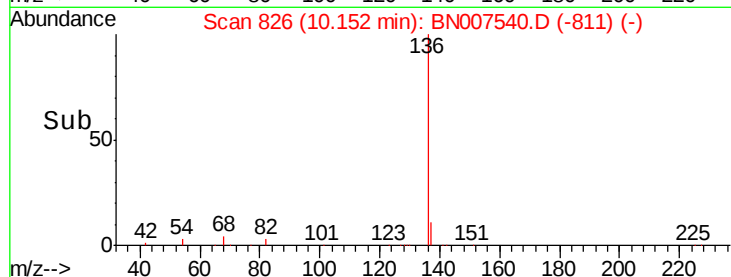


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.299 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

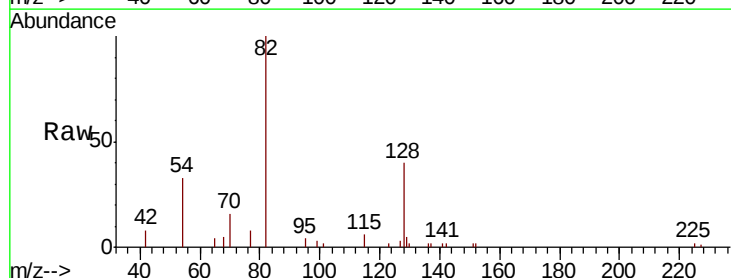
Tgt Ion: 82 Resp: 6718

Ion Ratio Lower Upper

82 100

128 39.5 19.7 29.5#

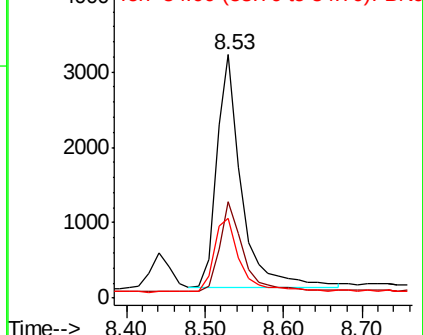
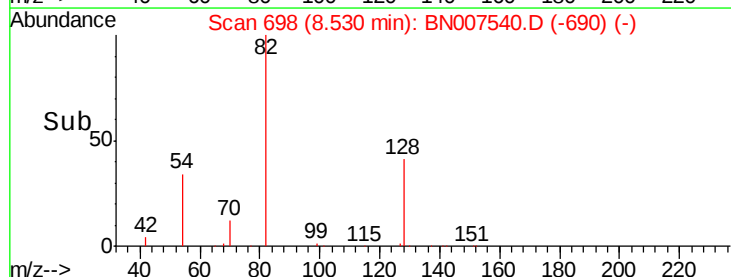
54 32.7 25.8 38.6



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: 0.393 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

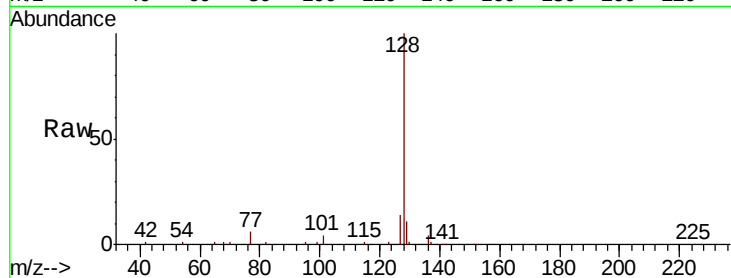
Tot Ion:128 Resp: 29050

Ion Ratio Lower Upper

128 100

129 11.2 11.1 16.7

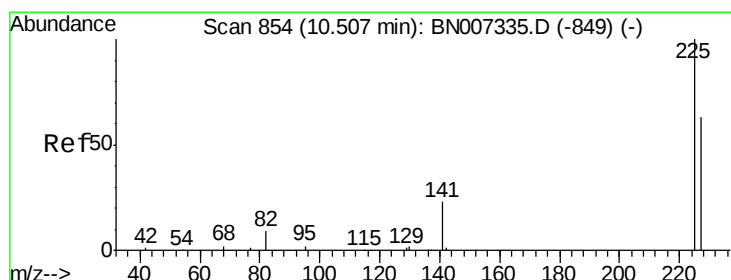
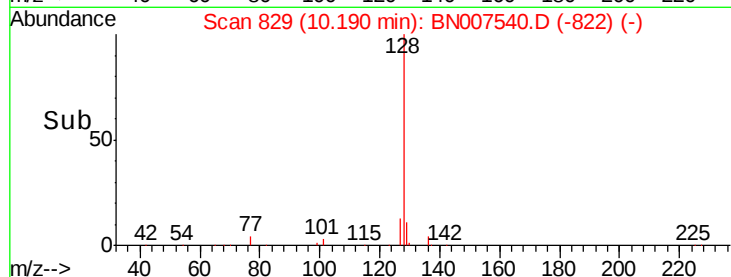
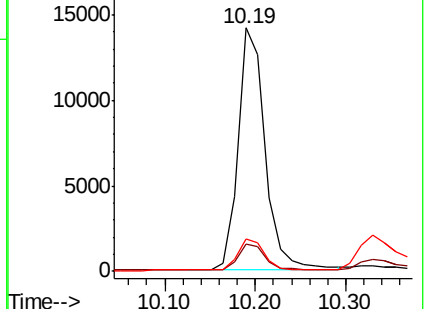
127 13.5 15.5 23.3#



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: 0.349 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

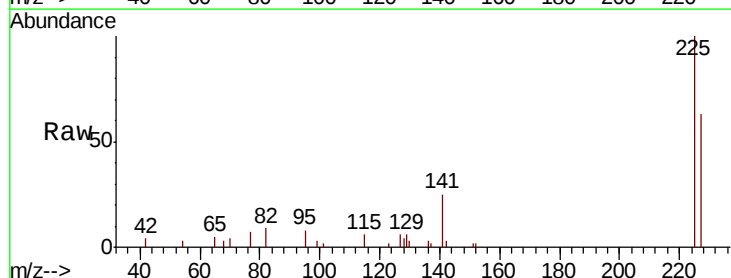
Tgt Ion:225 Resp: 5272

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

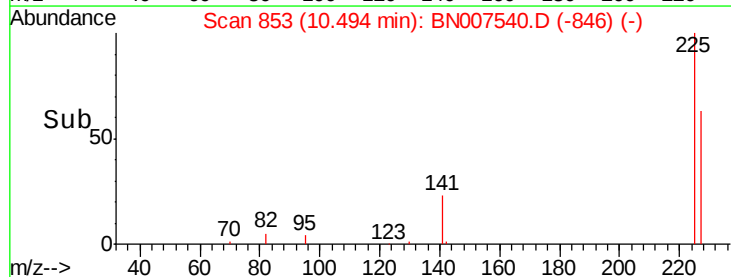
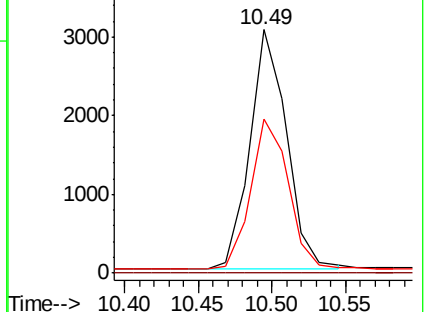
227 64.6 50.7 76.1



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: 0.403 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

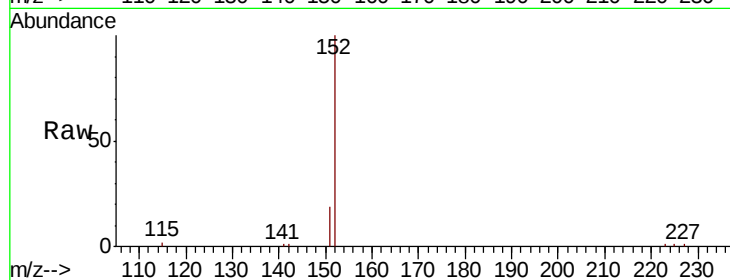
PB122506BS

Tot Ion:152 Resp: 17323

Ion Ratio Lower Upper

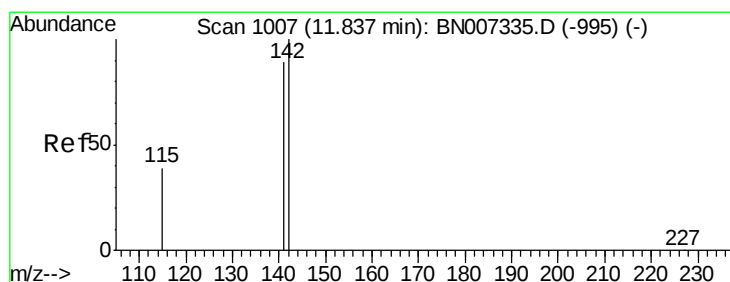
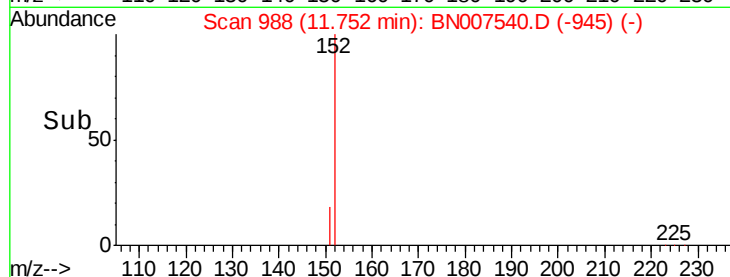
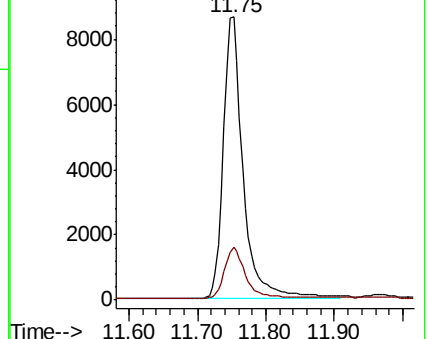
152 100

151 18.9 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

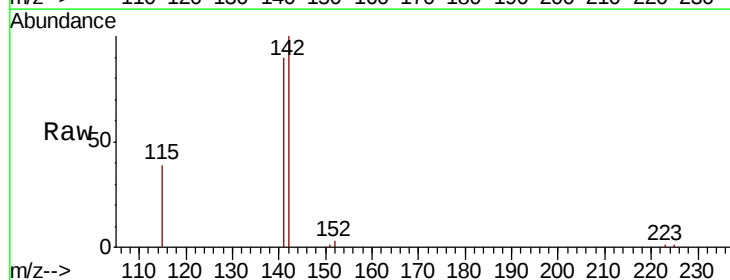
Tgt Ion:142 Resp: 20551

Ion Ratio Lower Upper

142 100

141 89.8 72.8 109.2

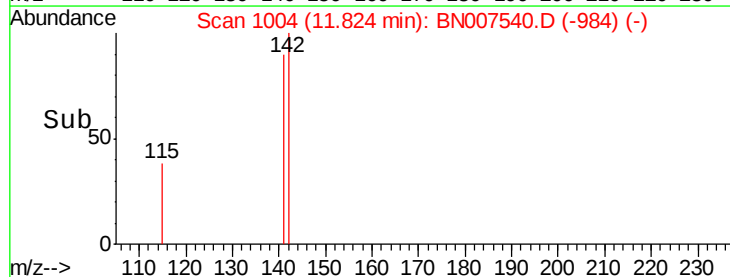
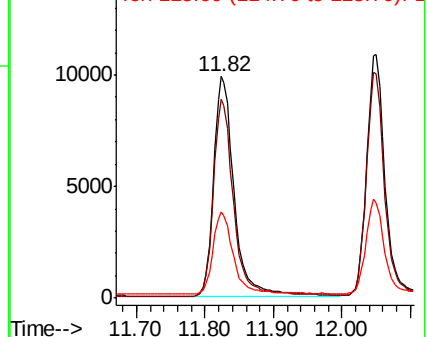
115 39.1 35.2 52.8

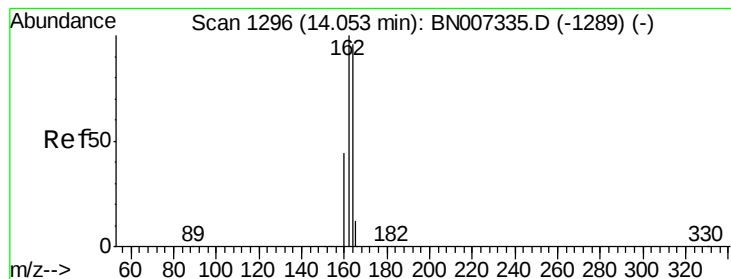


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

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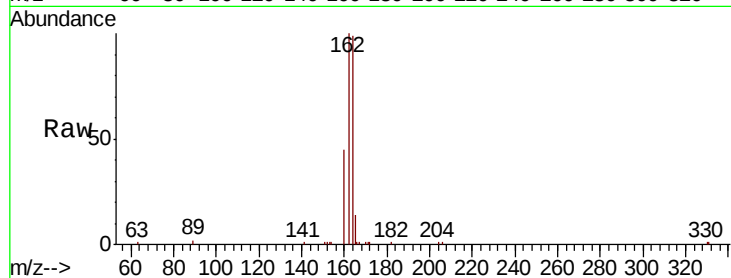
Tot Ion:164 Resp: 15882

Ion Ratio Lower Upper

164 100

162 101.3 83.5 125.3

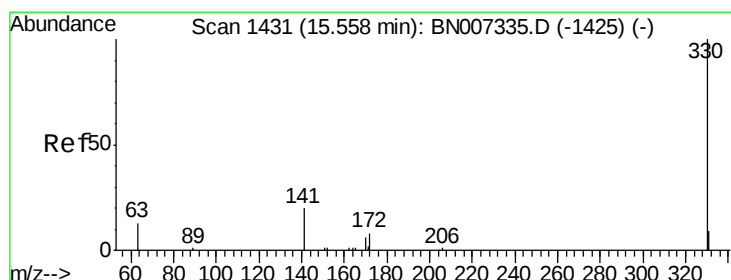
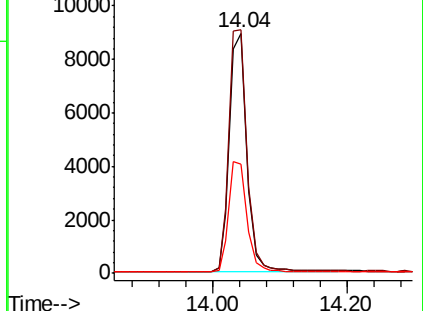
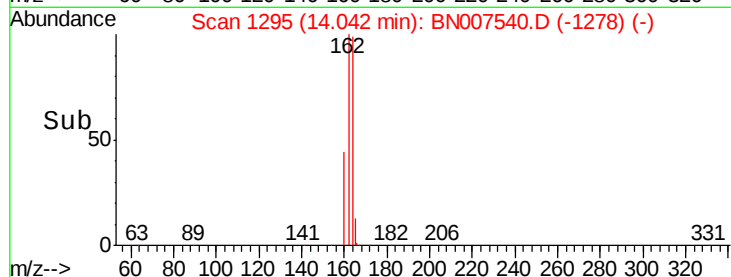
160 45.2 38.2 57.4



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: 0.274 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

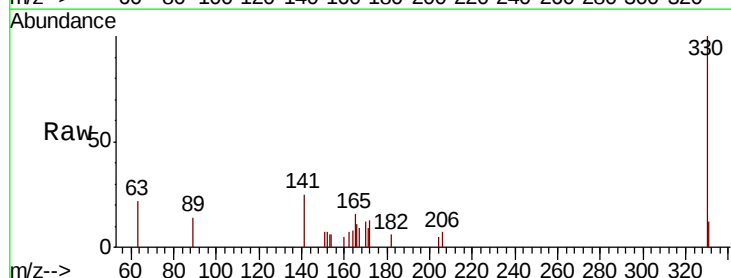
Tgt Ion:330 Resp: 2277

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

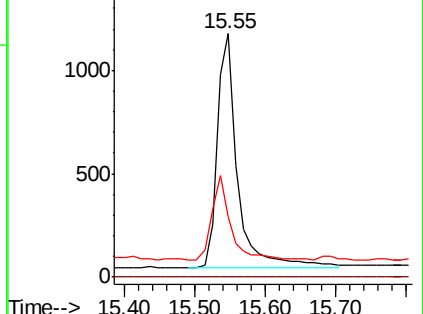
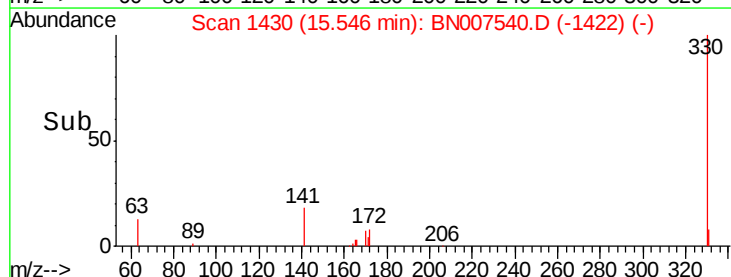
141 34.2 26.9 40.3



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

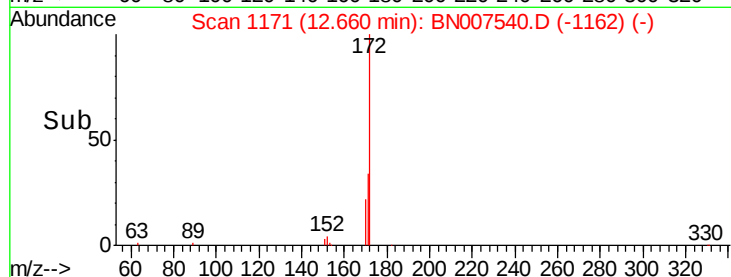
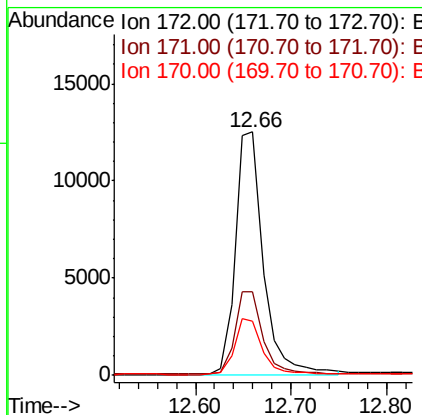
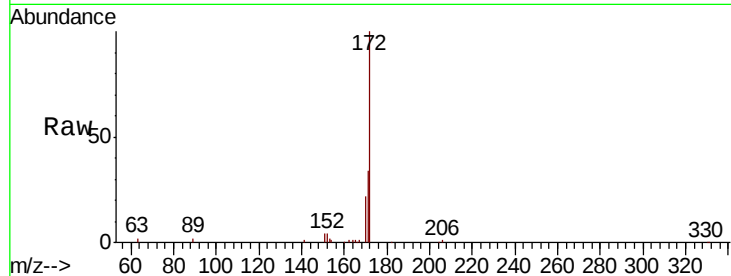




#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007540.D
Acq: 05 Sep 2019 19:28

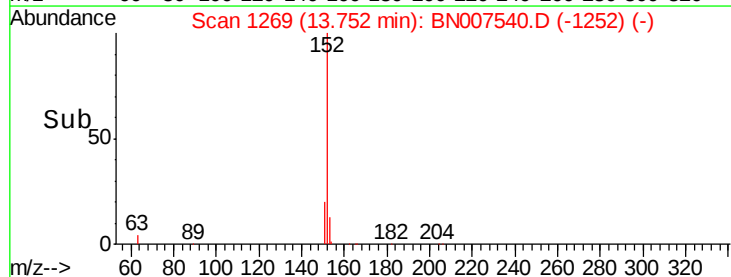
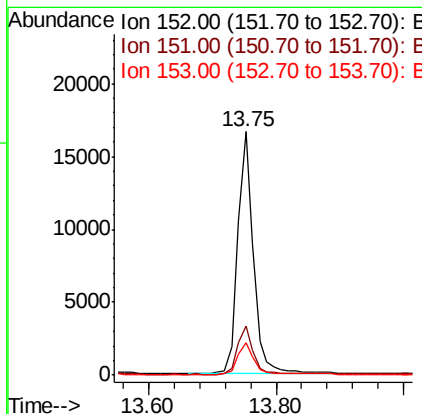
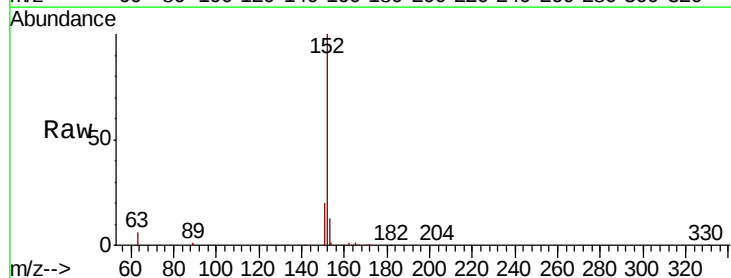
Instrument :
BNA_N
ClientSampleId :
PB122506BS

Tot Ion:172 Resp: 25343
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 22.1 20.7 31.1



#16
Acenaphthylene
Concen: 0.307 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BN007540.D
Acq: 05 Sep 2019 19:28

Tgt Ion:152 Resp: 28882
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.383 ng

RT: 14.10 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

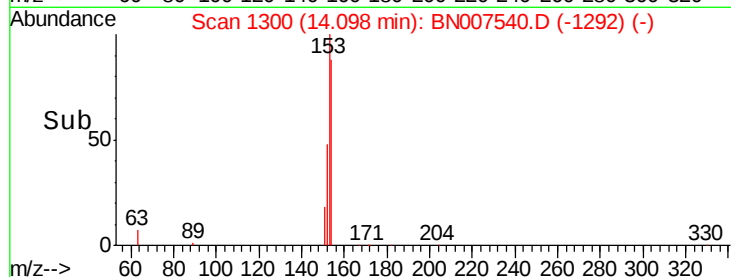
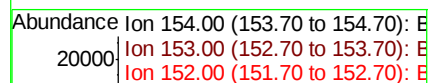
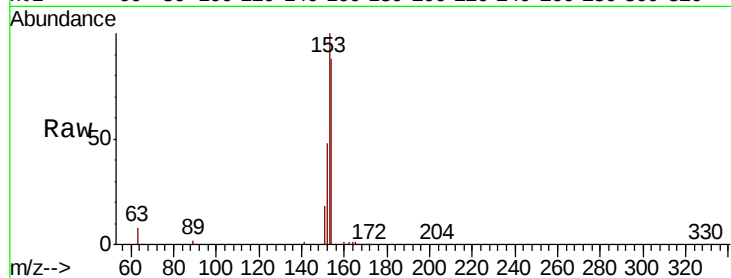
Tot Ion:154 Resp: 21074

Ion Ratio Lower Upper

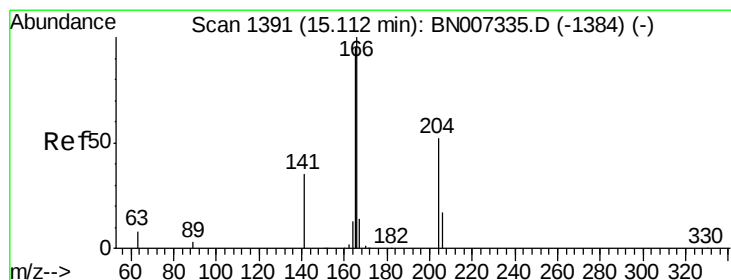
154 100

153 113.6 92.8 139.2

152 53.9 43.8 65.8



Time-->



#18

Fluorene

Concen: 0.399 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

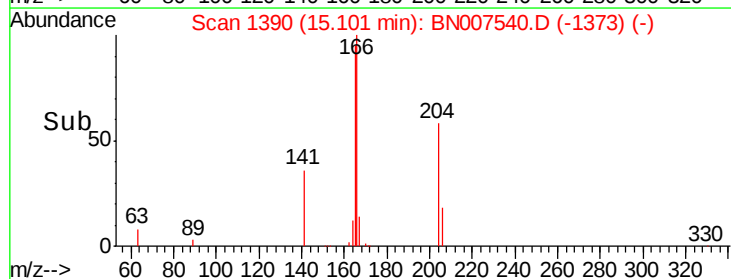
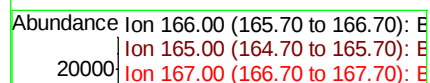
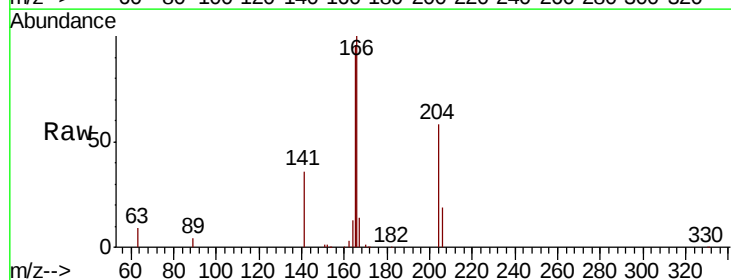
Tgt Ion:166 Resp: 27725

Ion Ratio Lower Upper

166 100

165 97.7 79.0 118.4

167 13.6 10.6 15.8



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

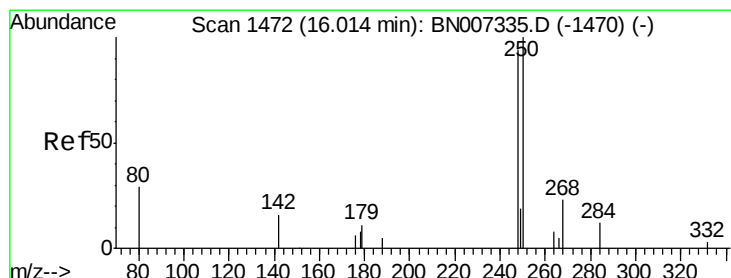
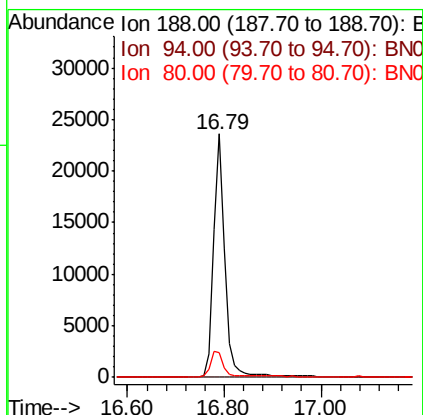
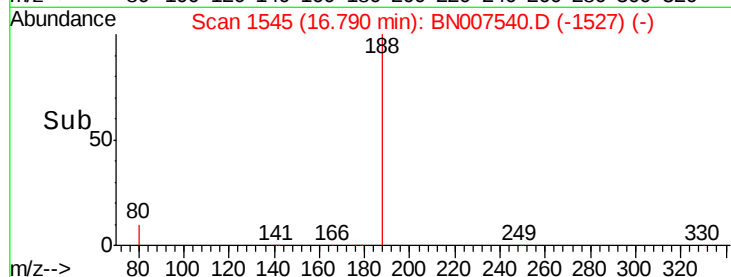
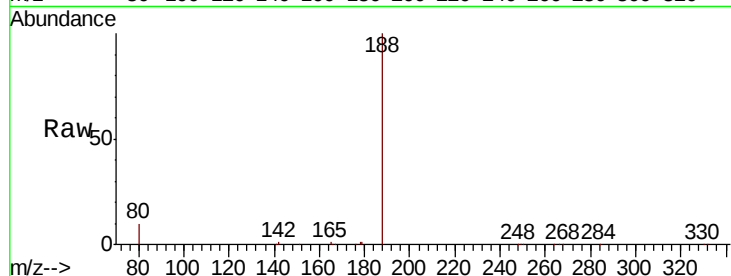
Tot Ion:188 Resp: 38063

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 11.8 17.8#



#20

4-Bromophenyl-phenylether

Concen: 0.091 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

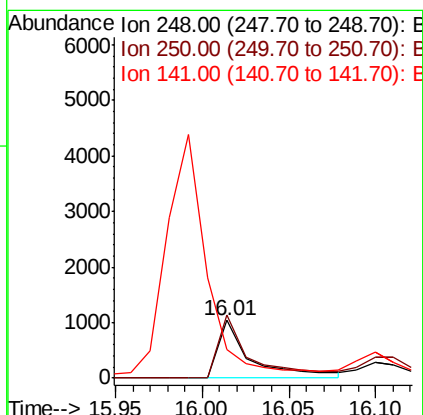
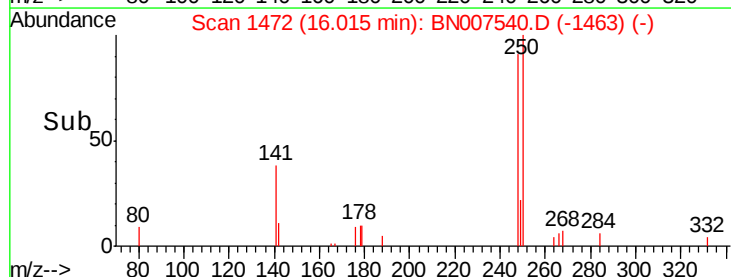
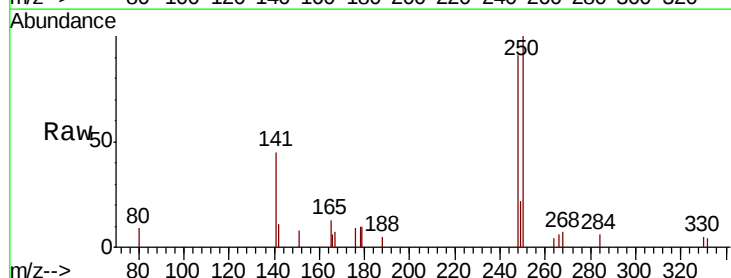
Tgt Ion:248 Resp: 1359

Ion Ratio Lower Upper

248 100

250 109.8 85.0 127.6

141 49.6 51.7 77.5#





#21

Hexachlorobenzene

Concen: 0.386 ng

RT: 16.11 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

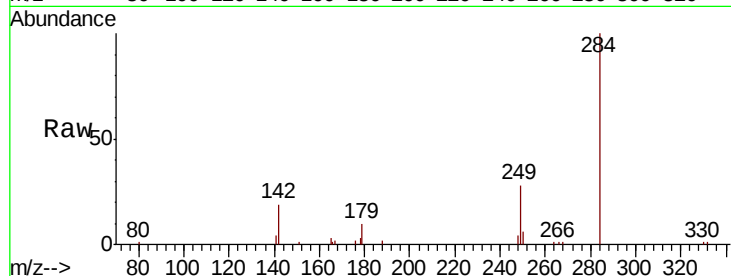
Tot Ion:284 Resp: 9850

Ion Ratio Lower Upper

284 100

142 33.9 29.0 43.6

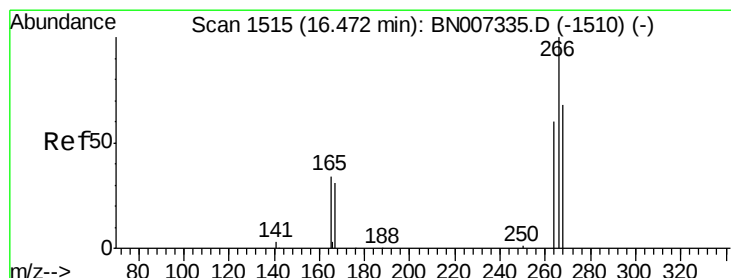
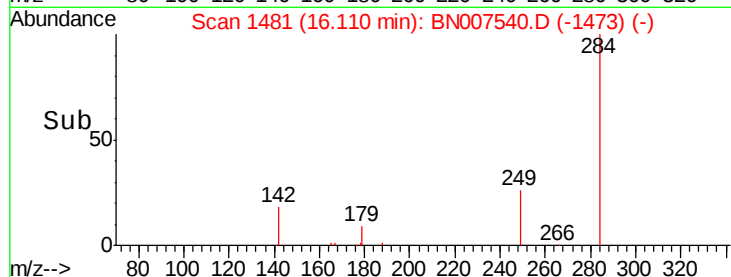
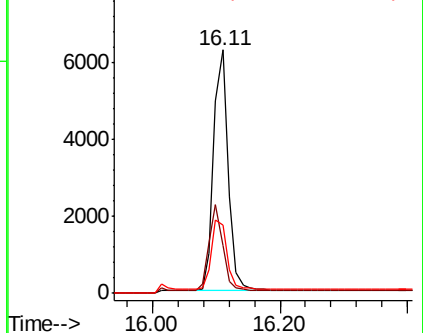
249 30.6 24.9 37.3



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: 0.199 ng

RT: 16.46 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

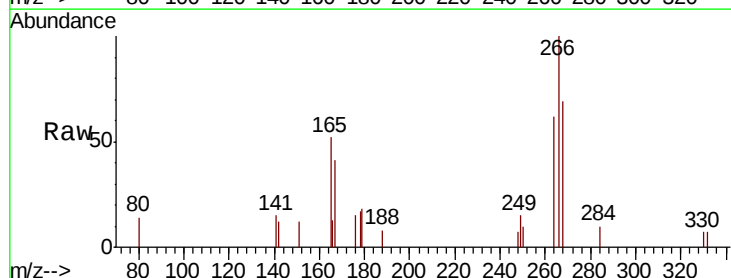
Tgt Ion:266 Resp: 1580

Ion Ratio Lower Upper

266 100

264 62.3 57.8 86.8

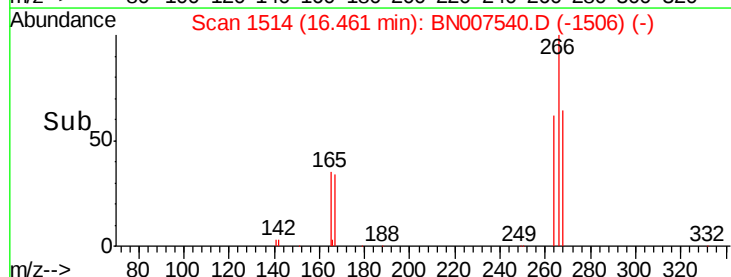
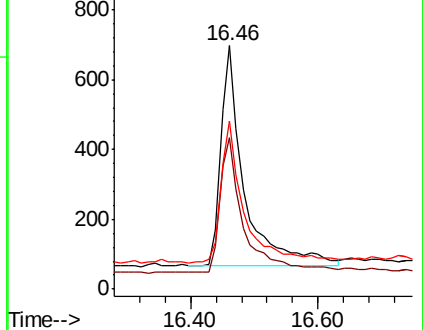
268 69.2 99.7 149.5#



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: 0.397 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

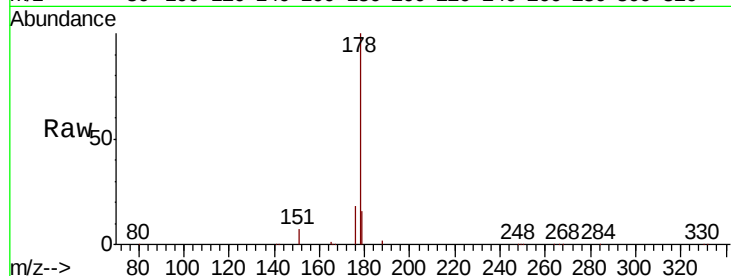
Tot Ion:178 Resp: 45506

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

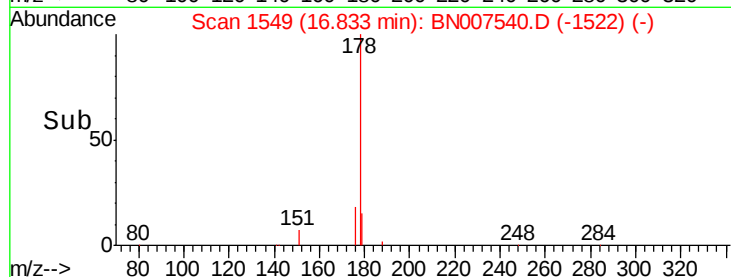
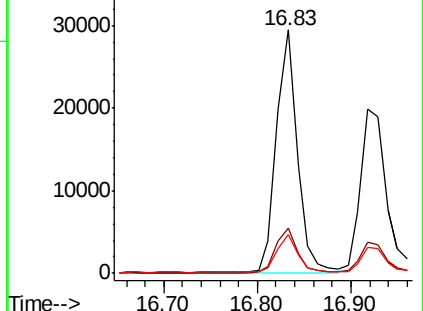
179 15.4 12.6 19.0



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: 0.334 ng

RT: 16.92 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

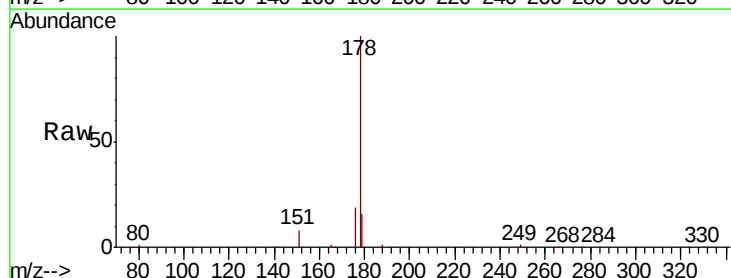
Tgt Ion:178 Resp: 38436

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

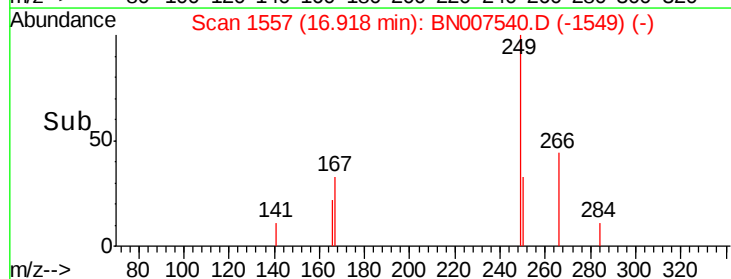
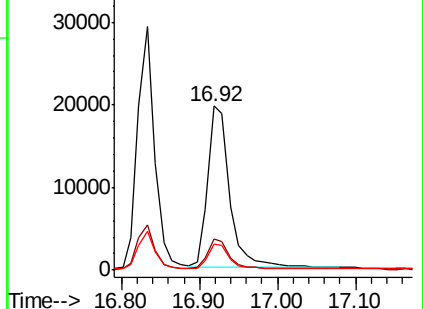
179 15.2 12.4 18.6

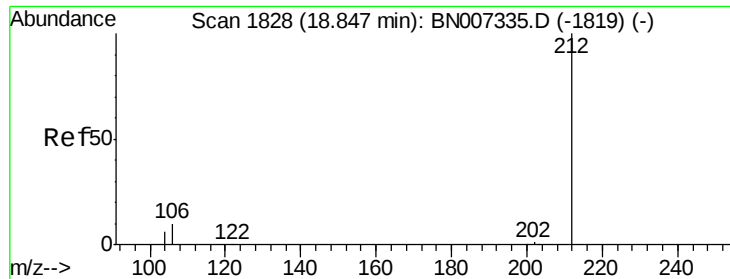


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

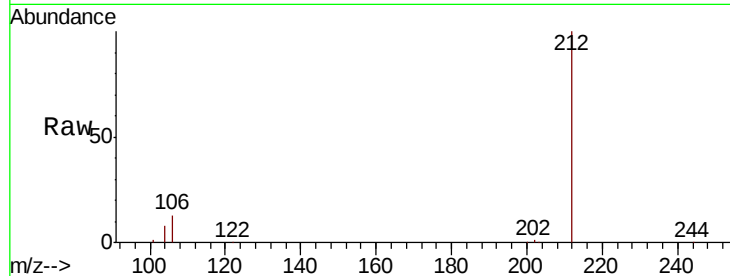




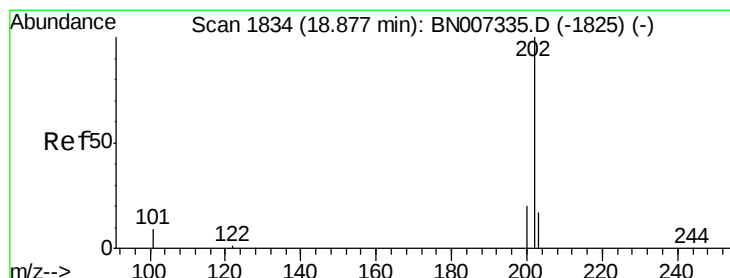
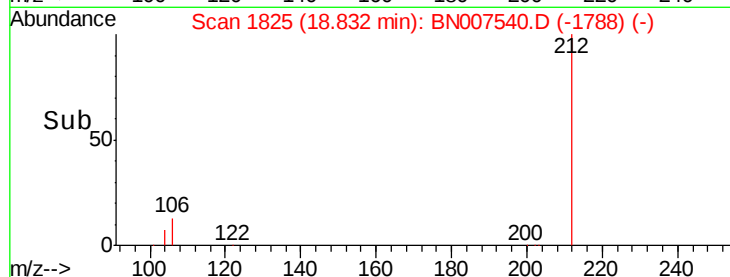
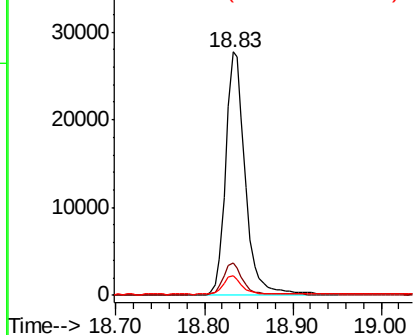
#25
 Fluoranthene-d10
 Concen: 0.349 ng
 RT: 18.83 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BN007540.D
 Acq: 05 Sep 2019 19:28

Instrument :
 BNA_N
 ClientSampleId :
 PB122506BS

Tot Ion:212 Resp: 42806
 Ion Ratio Lower Upper
 212 100
 106 13.0 9.0 13.4
 104 7.2 5.4 8.2

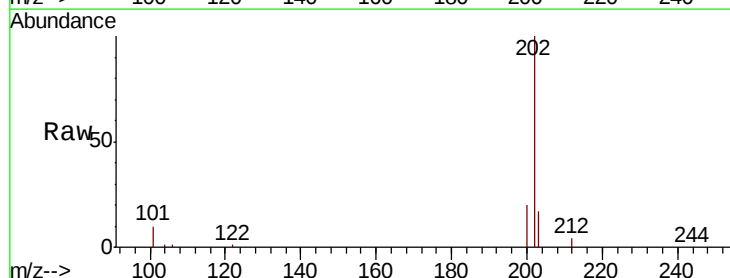


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

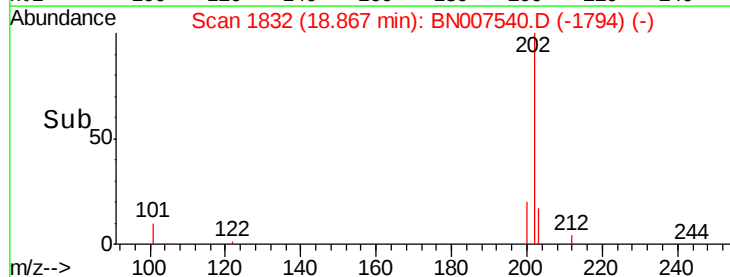
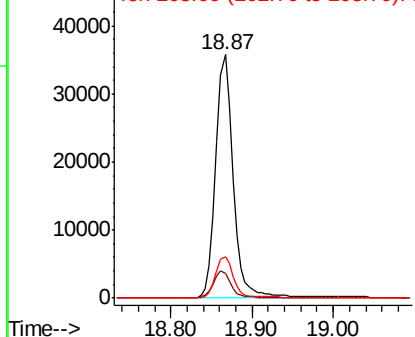


#26
 Fluoranthene
 Concen: 0.363 ng
 RT: 18.87 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: BN007540.D
 Acq: 05 Sep 2019 19:28

Tgt Ion:202 Resp: 53290
 Ion Ratio Lower Upper
 202 100
 101 11.3 7.7 11.5
 203 17.1 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: 21.01 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

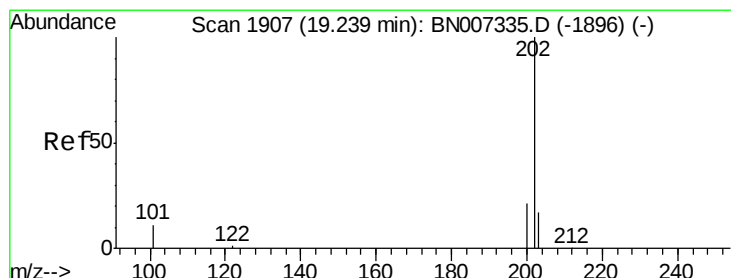
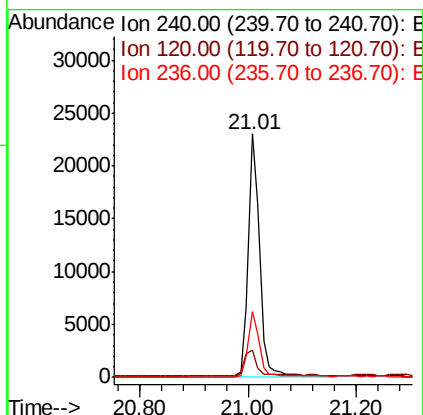
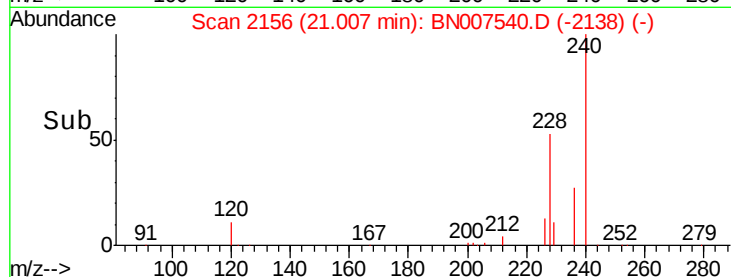
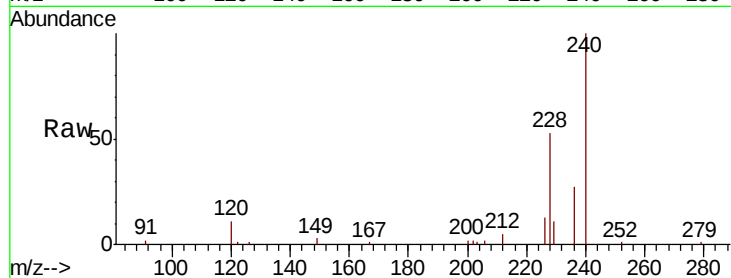
Tot Ion:240 Resp: 33784

Ion Ratio Lower Upper

240 100

120 11.3 9.6 14.4

236 26.8 22.2 33.2



#28

Pyrene

Concen: 0.395 ng

RT: 19.23 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

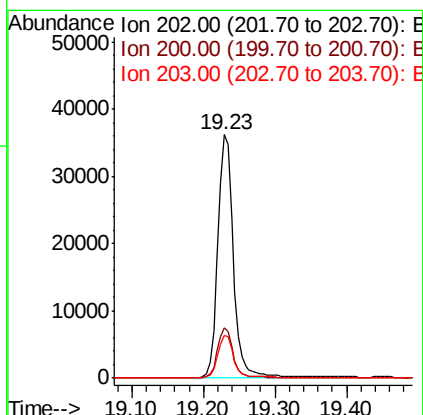
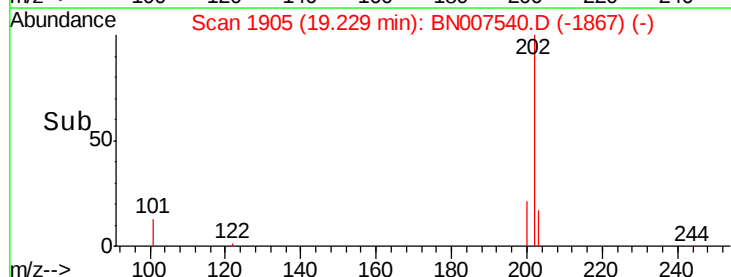
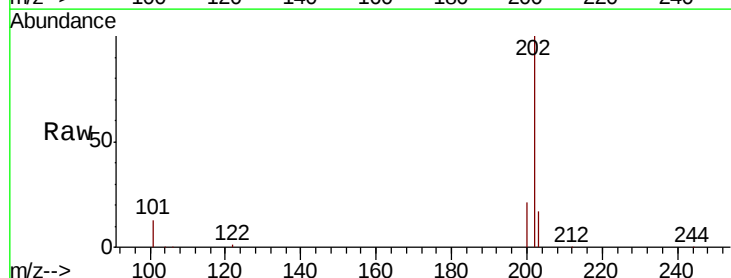
Tgt Ion:202 Resp: 53696

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

203 17.4 14.2 21.4





#29

Terphenyl-d14

Concen: 0.411 ng

RT: 19.45 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

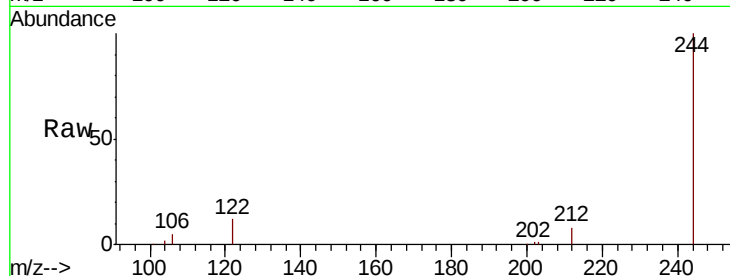
Tot Ion:244 Resp: 36308

Ion Ratio Lower Upper

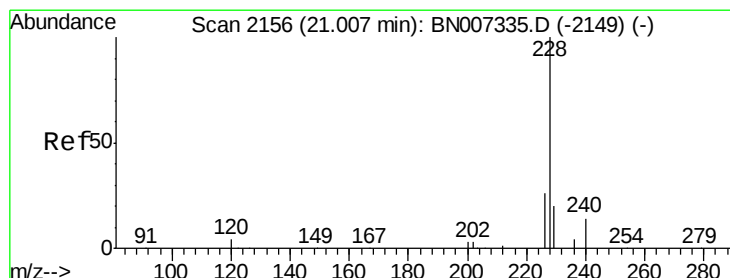
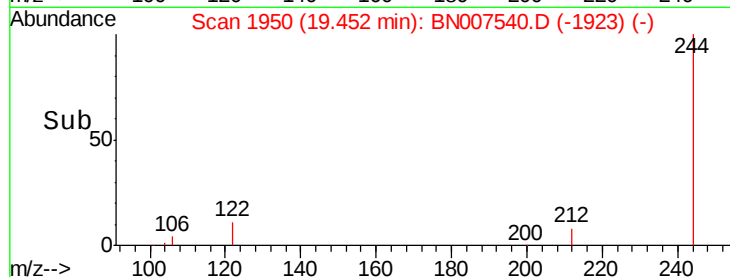
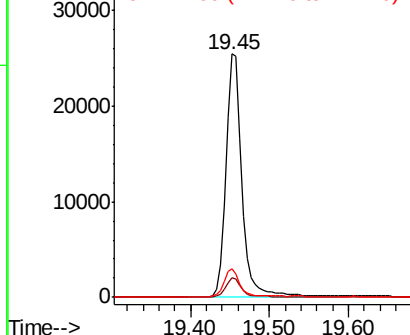
244 100

212 8.0 7.0 10.6

122 11.8 9.6 14.4



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: 0.337 ng

RT: 21.00 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

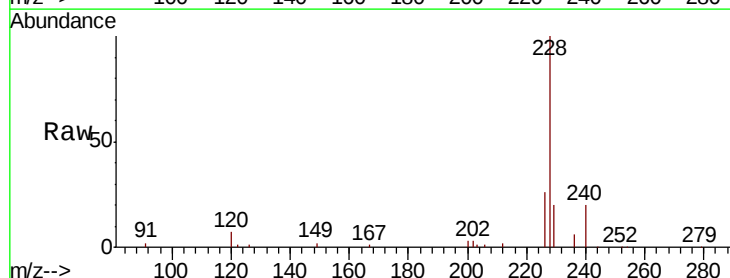
Tgt Ion:228 Resp: 44740

Ion Ratio Lower Upper

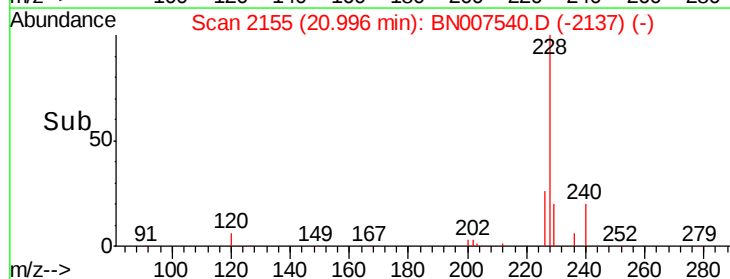
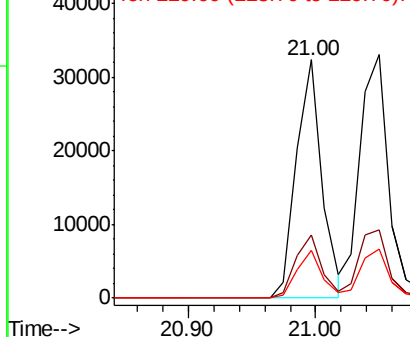
228 100

226 26.4 21.3 31.9

229 20.0 16.1 24.1



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





#31

Chrysene

Concen: 0.398 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

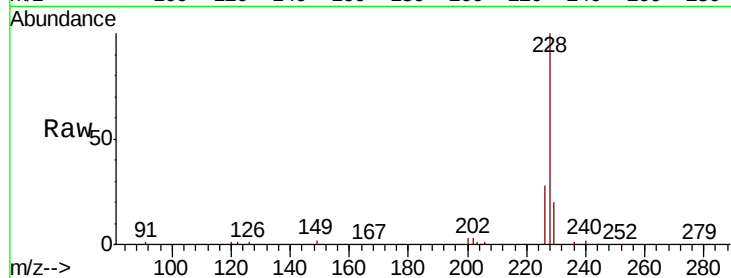
BNA_N

ClientSampleId :

PB122506BS

Tot Ion:228 Resp: 50975

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.5	35.3
229	20.1	16.6	24.8

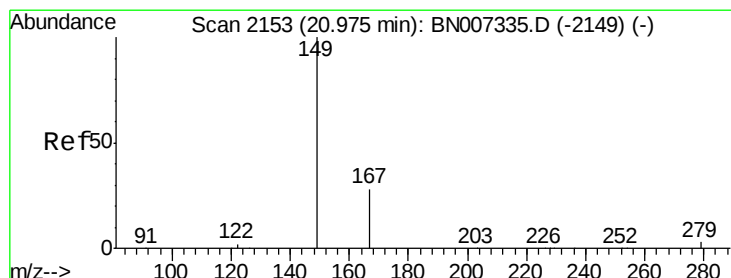
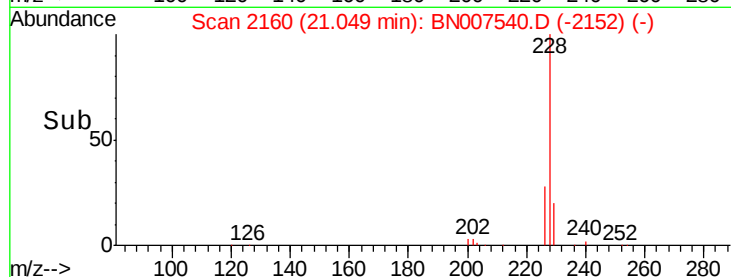
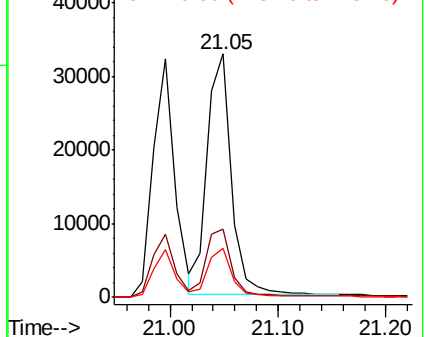


Abundance

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: 0.214 ng

RT: 20.95 min Scan# 2151

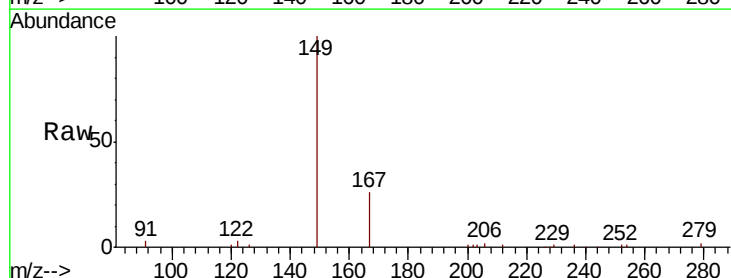
Delta R.T. -0.02 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Tgt Ion:149 Resp: 19988

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.8	34.2
279	4.3	3.5	5.3

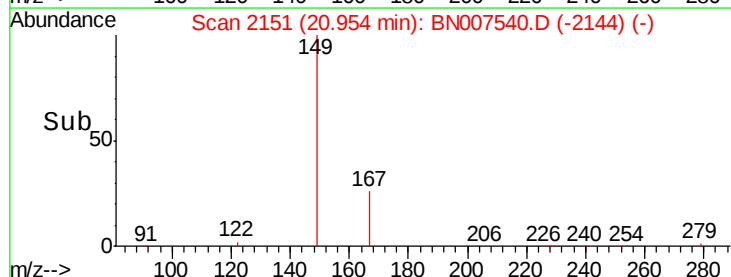
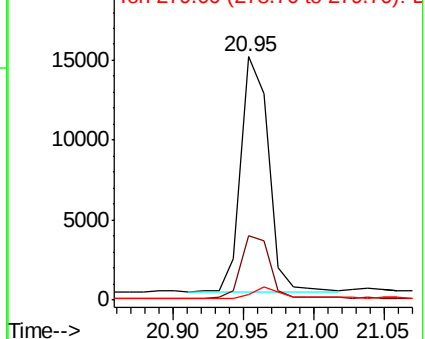


Abundance

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: 0.330 ng

RT: 25.17 min Scan# 3094

Delta R.T. -0.03 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

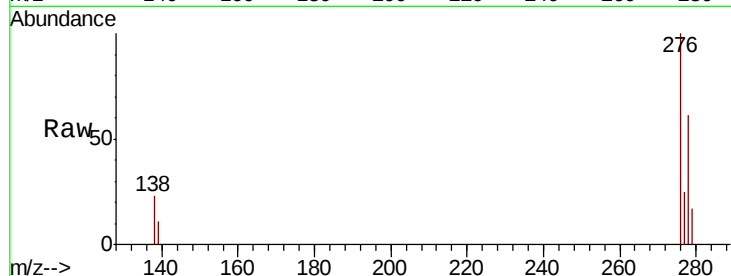
Tot Ion:276 Resp: 50874

Ion Ratio Lower Upper

276 100

138 23.6 15.1 22.7#

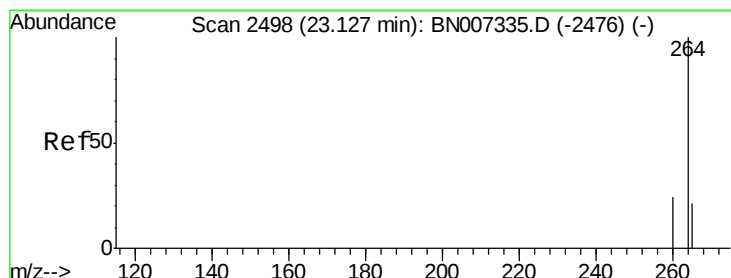
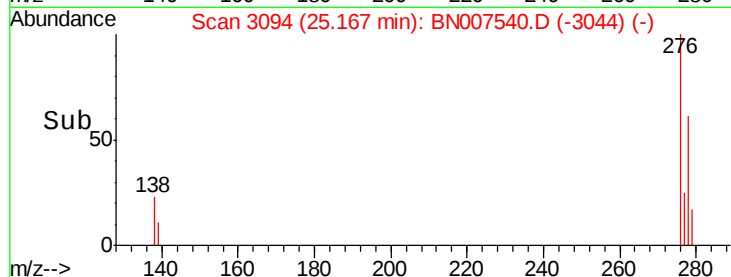
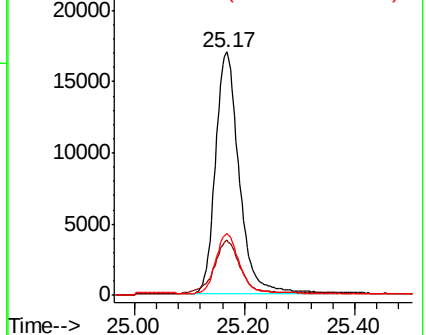
277 24.0 19.7 29.5



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: 23.11 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

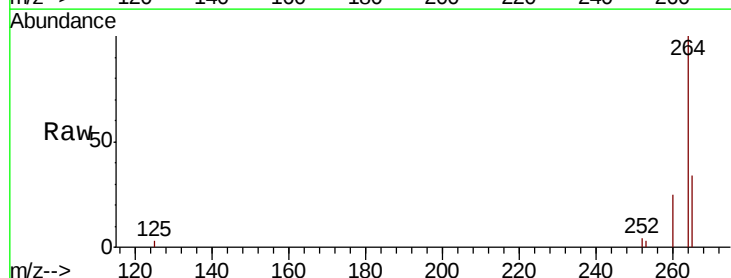
Tgt Ion:264 Resp: 33278

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

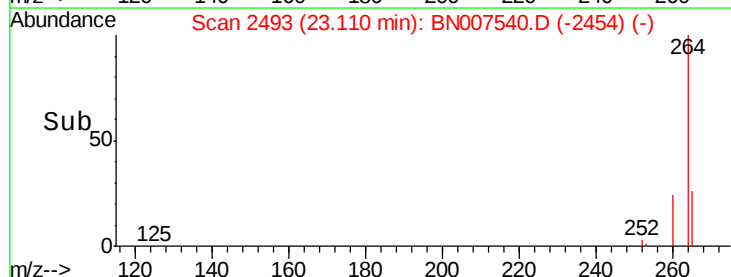
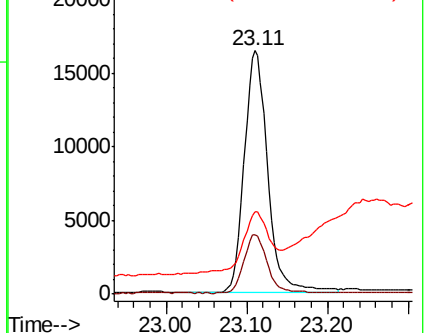
265 33.9 29.9 44.9



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: 0.398 ng

RT: 22.49 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

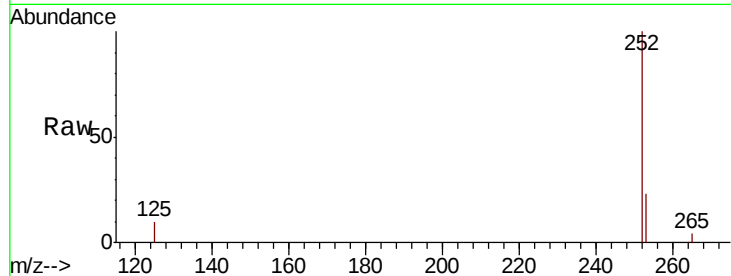
Tot Ion:252 Resp: 47956

Ion Ratio Lower Upper

252 100

253 22.9 19.2 28.8

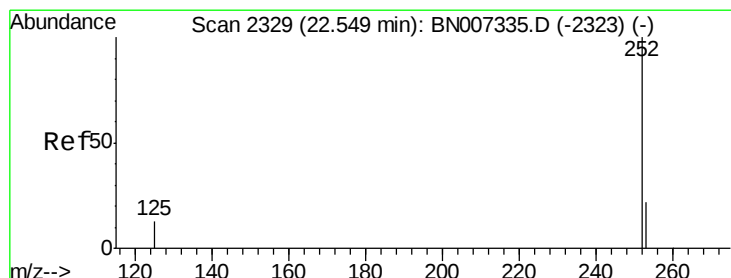
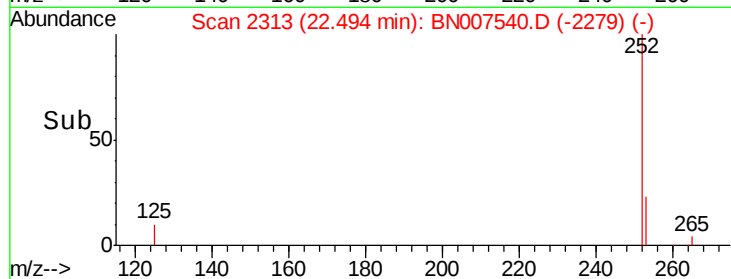
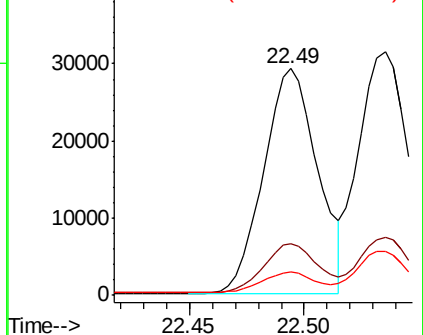
125 10.1 10.6 16.0#



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: 0.428 ng

RT: 22.54 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

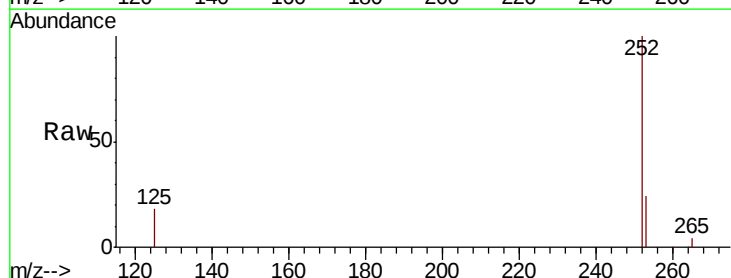
Tgt Ion:252 Resp: 51020

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

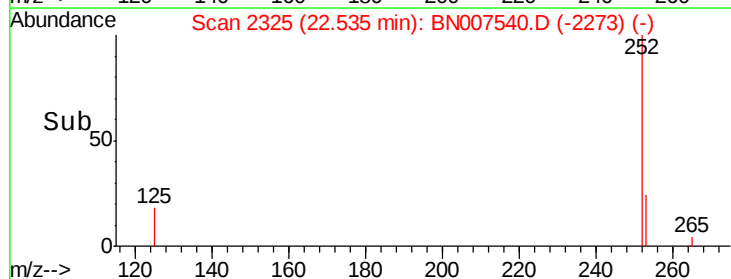
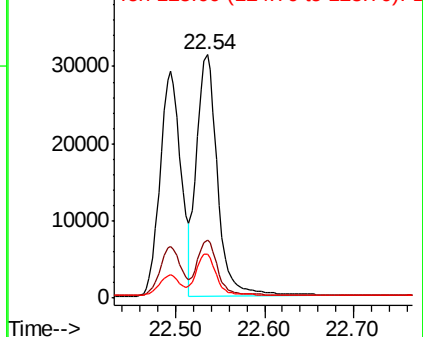
125 18.2 13.1 19.7



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: 0.359 ng

RT: 23.02 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

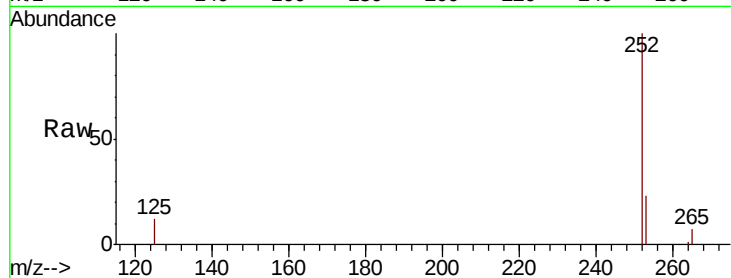
Tot Ion:252 Resp: 41191

Ion Ratio Lower Upper

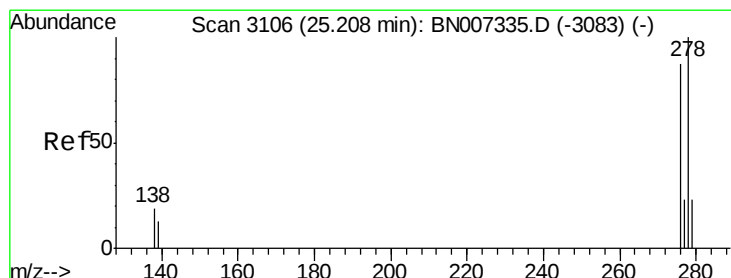
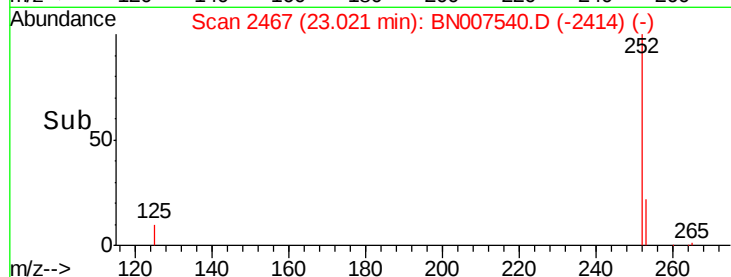
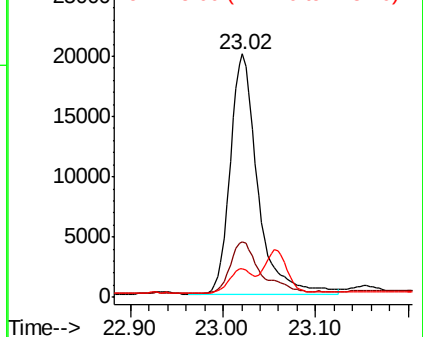
252 100

253 23.0 19.5 29.3

125 12.0 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: 0.355 ng

RT: 25.18 min Scan# 3097

Delta R.T. -0.03 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

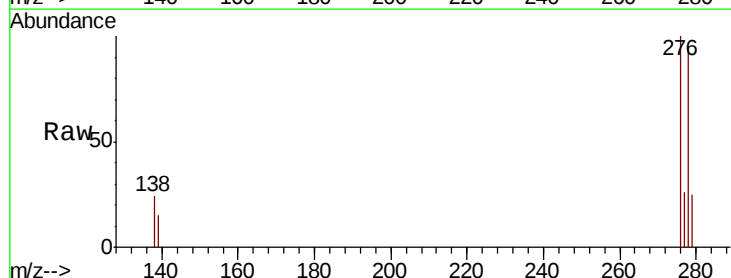
Tgt Ion:278 Resp: 40660

Ion Ratio Lower Upper

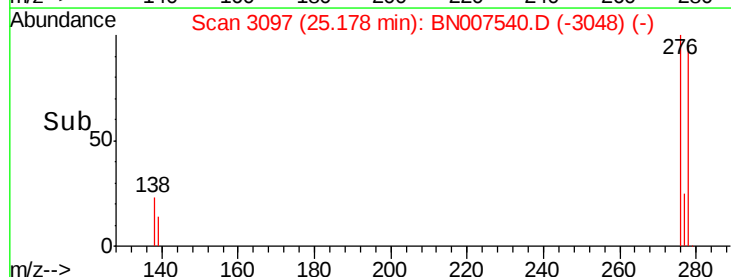
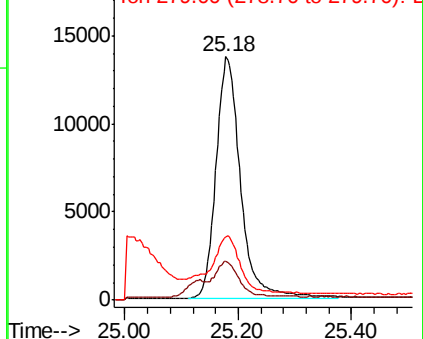
278 100

139 15.8 13.7 20.5

279 26.2 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(a,h,i)perylene

Concen: 0.360 ng

RT: 25.79 min Scan# 3275

Delta R.T. -0.03 min

Lab File: BN007540.D

Acq: 05 Sep 2019 19:28

Instrument :

BNA_N

ClientSampleId :

PB122506BS

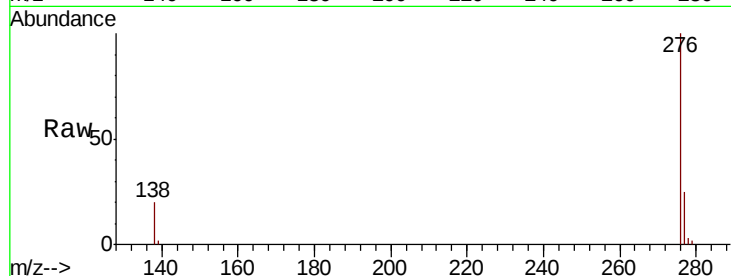
Tot Ion: 276 Resp: 41063

Ion Ratio Lower Upper

276 100

277 24.5 19.6 29.4

138 20.5 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

