

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\
 Data File : BN007560.D
 Acq On : 08 Sep 2019 21:01
 Operator : HP/JU
 Sample : PB122882BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 09 04:47:01 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	6033	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	24426	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	12808	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	27904	0.40	ng	0.00
27) Chrysene-d12	21.00	240	26309	0.40	ng	-0.01
34) Perylene-d12	23.11	264	28889	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	6601	0.31	ng	-0.02
5) Phenol-d6	6.58	99	8032	0.29	ng	0.00
8) Nitrobenzene-d5	8.53	82	7387	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	14840	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	1653	0.25	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	19967	0.39	ng	0.00
25) Fluoranthene-d10	18.83	212	31004	0.34	ng	-0.01
29) Terphenyl-d14	19.46	244	24453	0.36	ng	-0.01

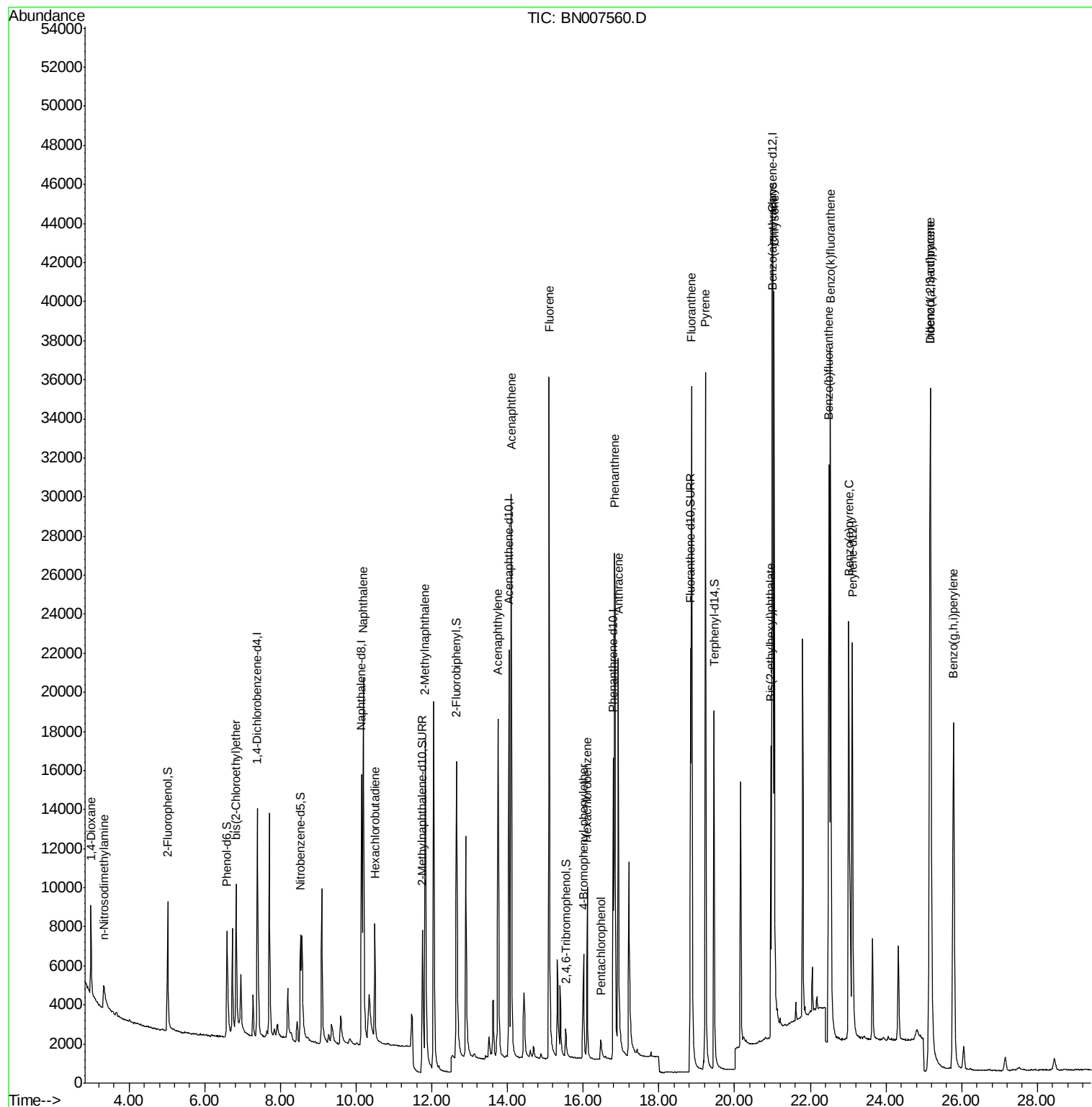
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	4271	0.426	ng	# 85
3) n-Nitrosodimethylamine	3.33	42	1257	0.270	ng	# 81
6) bis(2-Chloroethyl)ether	6.83	93	7819	0.359	ng	97
9) Naphthalene	10.19	128	27650	0.396	ng	# 90
10) Hexachlorobutadiene	10.49	225	5024	0.351	ng	# 99
12) 2-Methylnaphthalene	11.83	142	17631	0.371	ng	94
16) Acenaphthylene	13.75	152	25150	0.332	ng	99
17) Acenaphthene	14.10	154	17206	0.388	ng	98
18) Fluorene	15.09	166	20783	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2613	0.237	ng	94
21) Hexachlorobenzene	16.10	284	7380	0.395	ng	96
22) Pentachlorophenol	16.46	266	1073	0.185	ng	# 68
23) Phenanthrene	16.83	178	32673	0.389	ng	99
24) Anthracene	16.92	178	28481	0.337	ng	99
26) Fluoranthene	18.86	202	37808	0.351	ng	# 98
28) Pyrene	19.23	202	39188	0.370	ng	99
30) Benzo(a)anthracene	20.99	228	33585	0.325	ng	99
31) Chrysene	21.05	228	38764	0.389	ng	99
32) Bis(2-ethylhexyl)phthalate	20.95	149	15910	0.219	ng	98
33) Indeno(1,2,3-cd)pyrene	25.16	276	47254	0.393	ng	# 94
35) Benzo(b)fluoranthene	22.49	252	36892	0.352	ng	97
36) Benzo(k)fluoranthene	22.53	252	46196	0.447	ng	# 93
37) Benzo(a)pyrene	23.02	252	36510	0.367	ng	97
38) Dibenzo(a,h)anthracene	25.18	278	37629	0.379	ng	99
39) Benzo(g,h,i)perylene	25.78	276	38047	0.384	ng	99

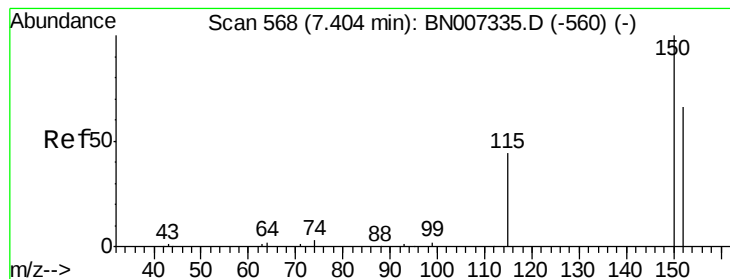
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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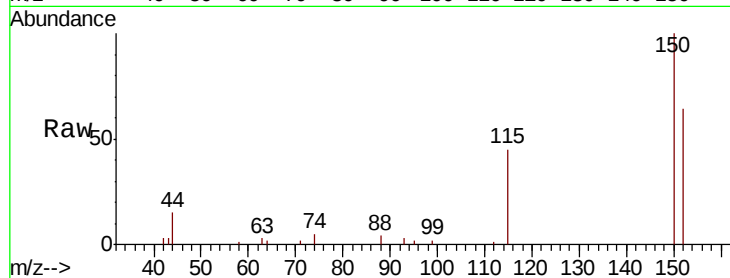


#1

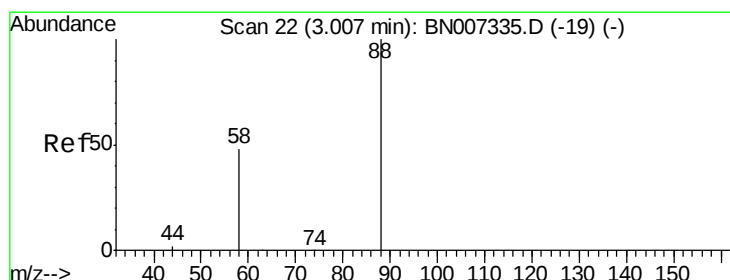
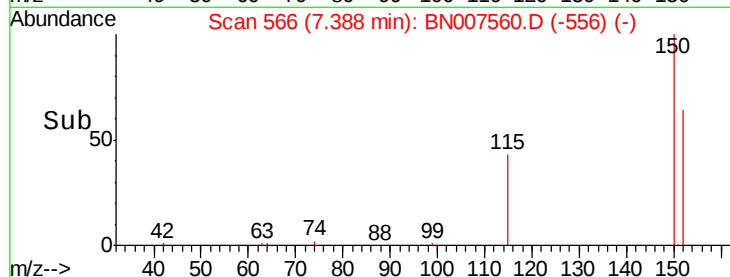
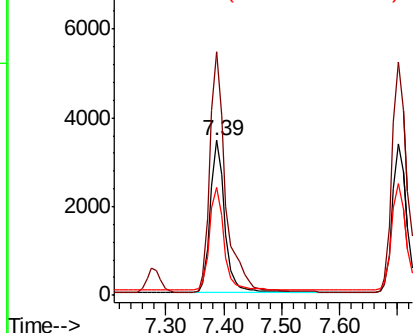
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 6033
Ion Ratio Lower Upper
152 100
150 157.1 109.1 163.7
115 70.1 59.6 89.4



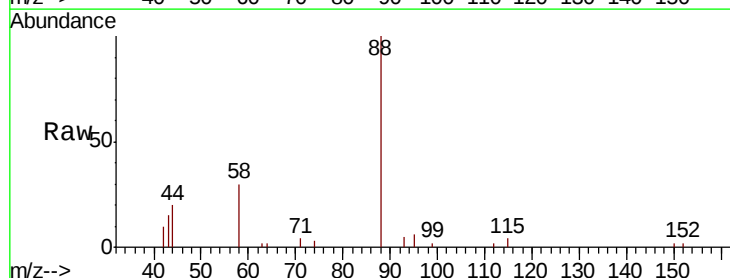
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



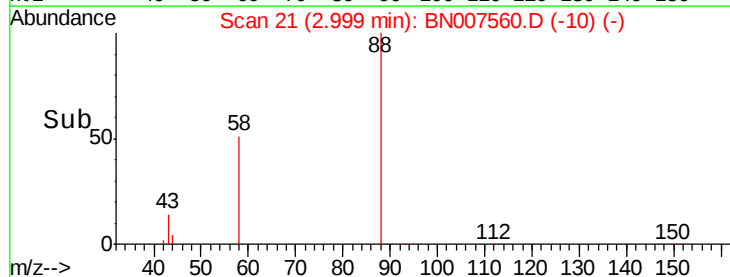
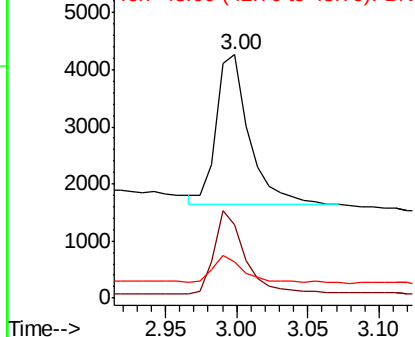
#2

1,4-Dioxane
Concen: 0.426 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

Tgt Ion: 88 Resp: 4271
Ion Ratio Lower Upper
88 100
58 51.6 50.5 75.7
43 16.6 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: 0.270 ng

RT: 3.33 min Scan# 62

Delta R.T. -0.00 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

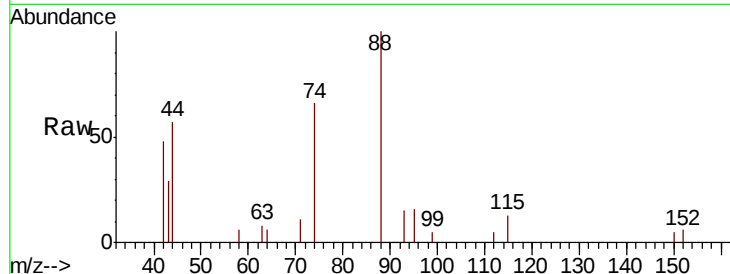
Tot Ion: 42 Resp: 1257

Ion Ratio Lower Upper

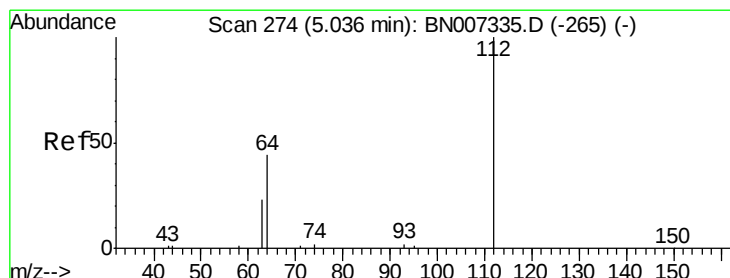
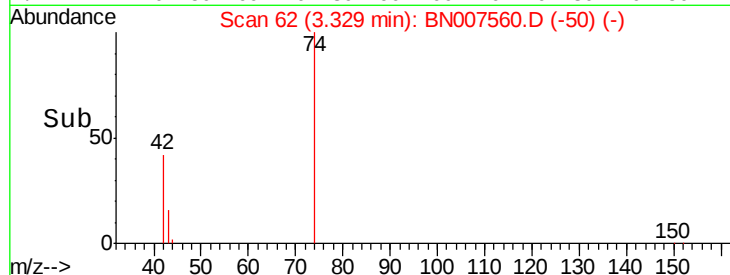
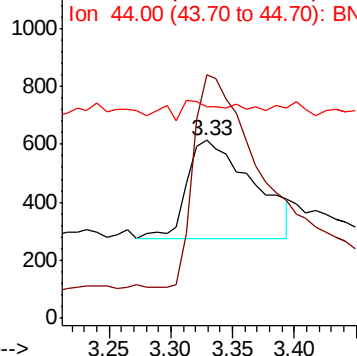
42 100

74 207.2 144.7 217.1

44 10.3 3.2 4.8#



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: 0.309 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

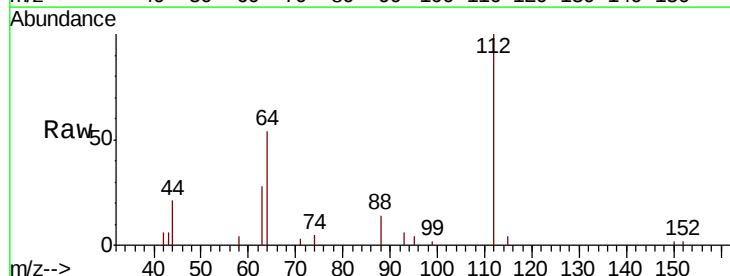
Tgt Ion: 112 Resp: 6601

Ion Ratio Lower Upper

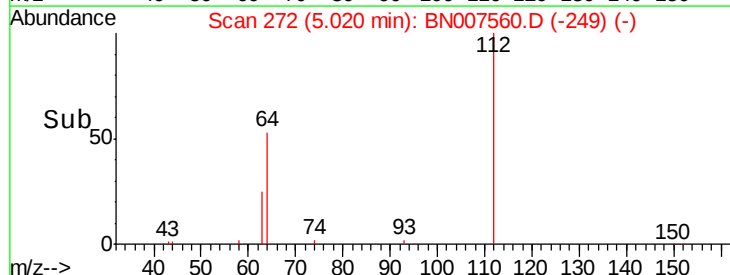
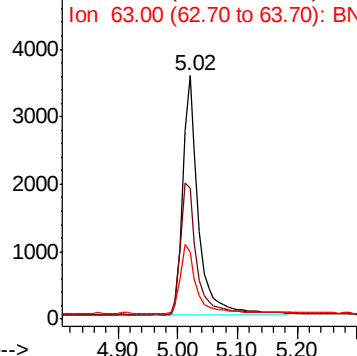
112 100

64 58.4 42.3 63.5

63 28.2 23.6 35.4



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: 0.294 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

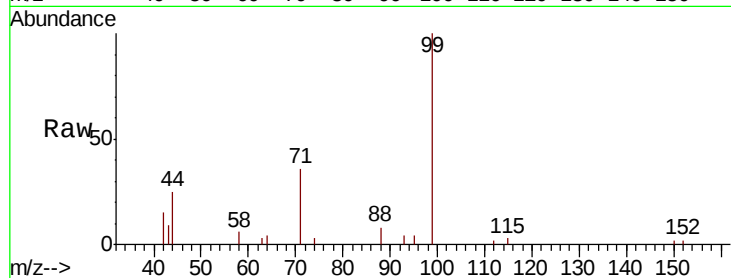
Tot Ion: 99 Resp: 8032

Ion Ratio Lower Upper

99 100

42 11.7 11.2 16.8

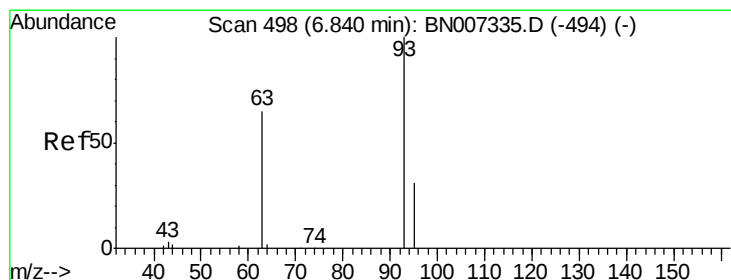
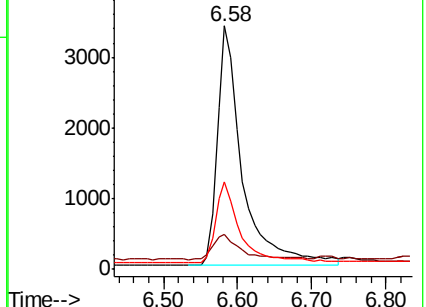
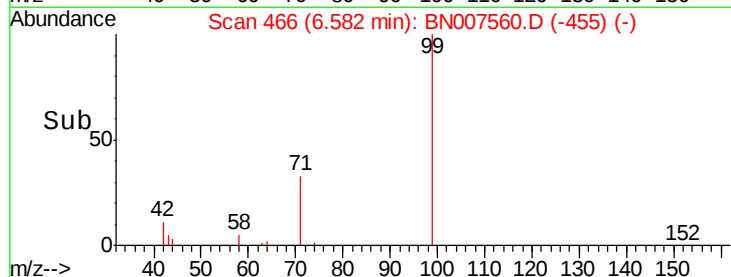
71 33.7 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007560.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN007560.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN007560.D (-466) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.359 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

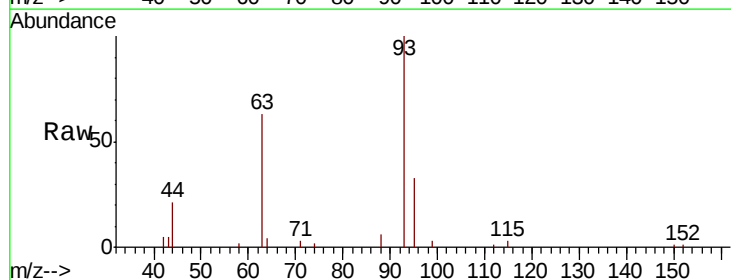
Tgt Ion: 93 Resp: 7819

Ion Ratio Lower Upper

93 100

63 66.8 51.9 77.9

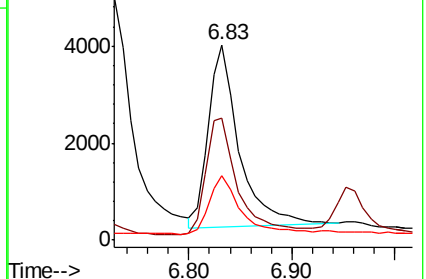
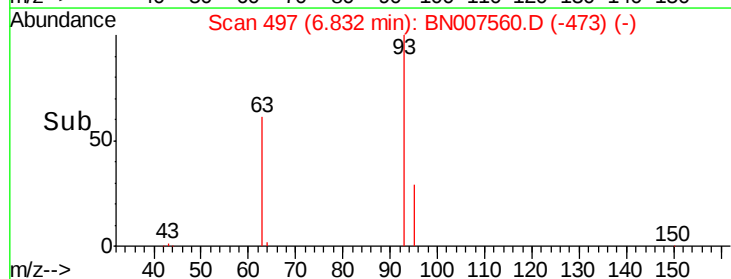
95 32.4 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007560.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN007560.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN007560.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 24426

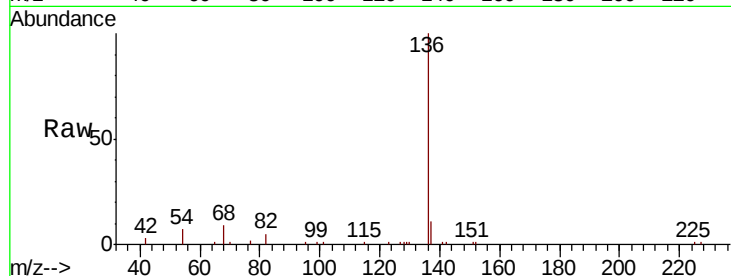
Ion Ratio Lower Upper

136 100

137 11.2 12.9 19.3#

54 6.6 8.6 12.8#

68 8.7 17.0 25.4#

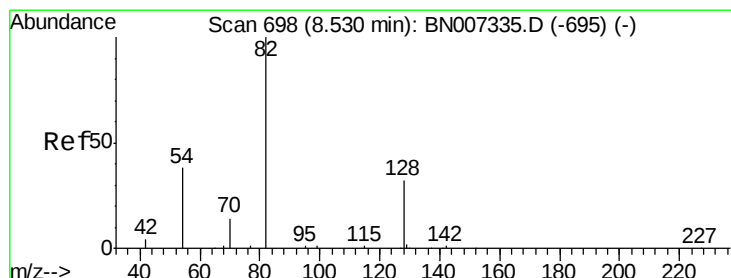
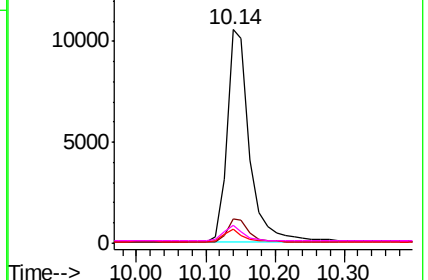
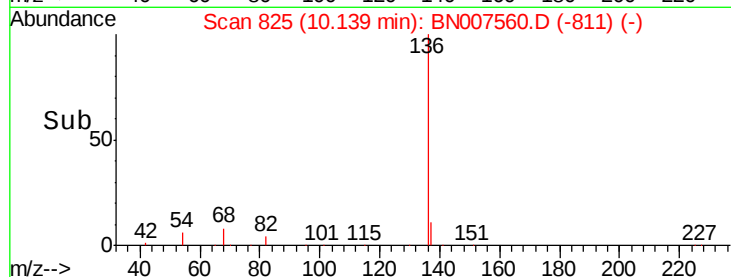


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

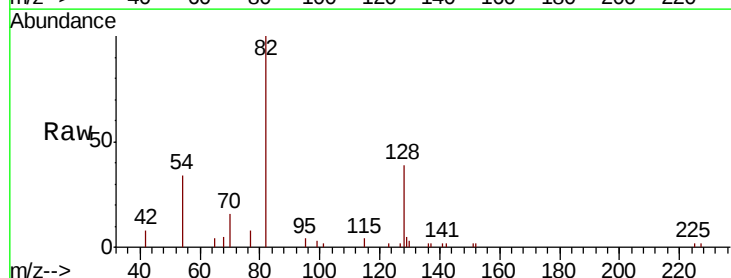
Tgt Ion: 82 Resp: 7387

Ion Ratio Lower Upper

82 100

128 38.8 19.7 29.5#

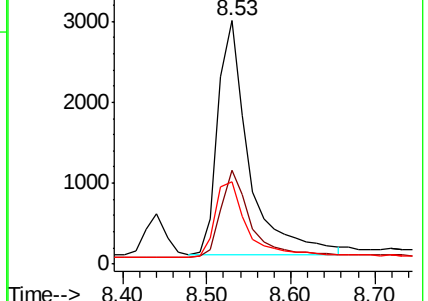
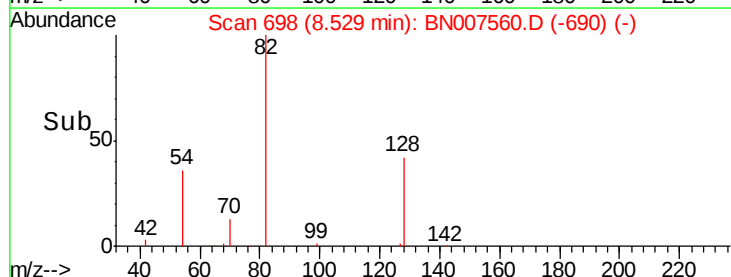
54 33.8 25.8 38.6

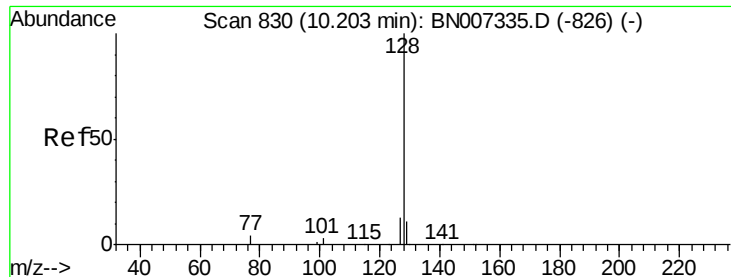


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.396 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

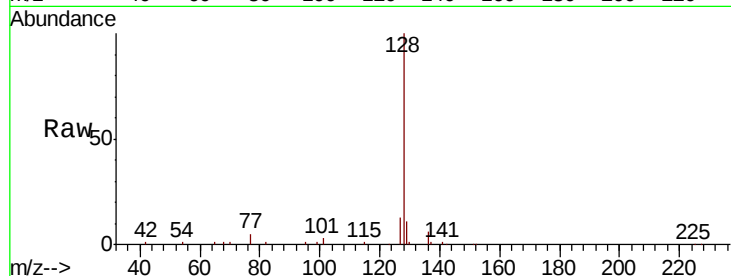
Tot Ion:128 Resp: 27650

Ion Ratio Lower Upper

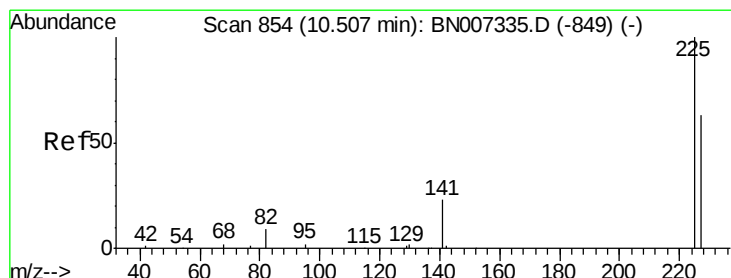
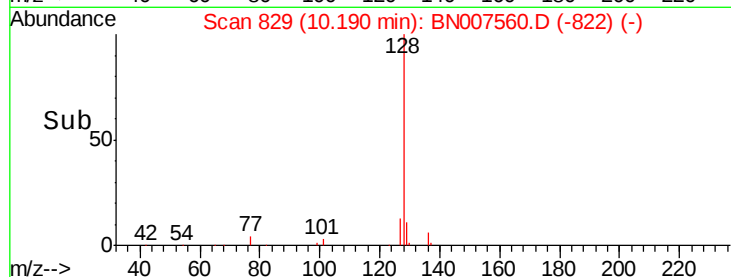
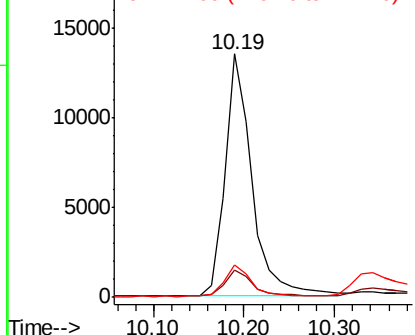
128 100

129 11.3 11.1 16.7

127 13.3 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: 0.351 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

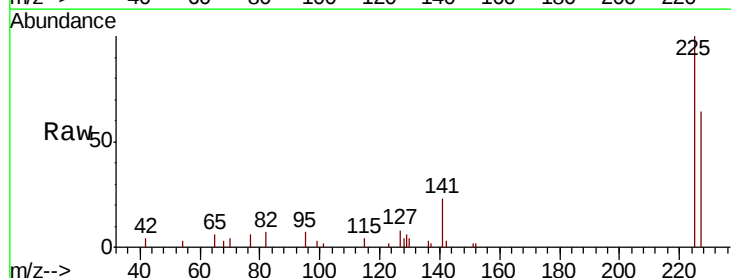
Tgt Ion:225 Resp: 5024

Ion Ratio Lower Upper

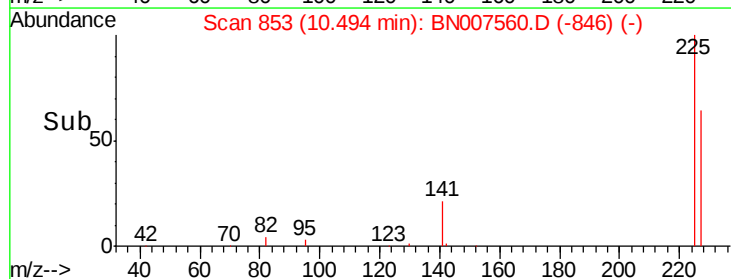
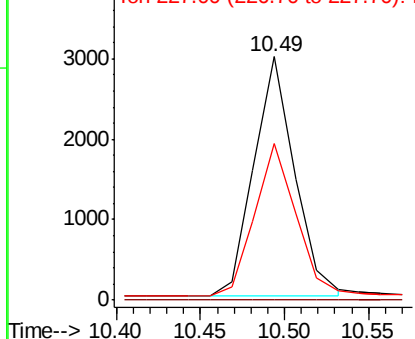
225 100

223 0.0 0.0 0.0

227 64.4 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: 0.366 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

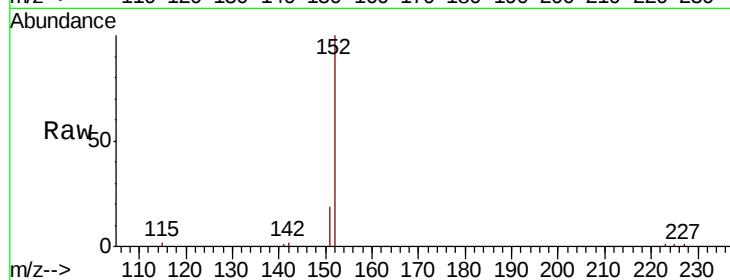
ClientSampleId :

Tot Ion:152 Resp: 14840

Ion Ratio Lower Upper

152 100

151 18.7 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

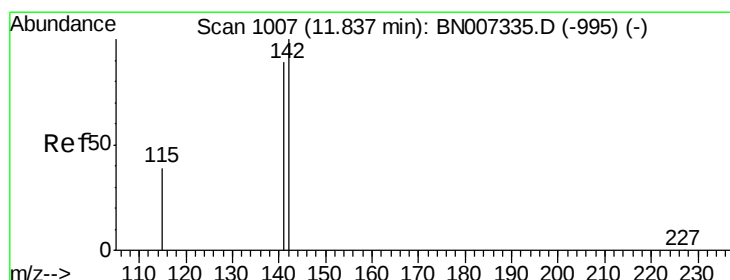
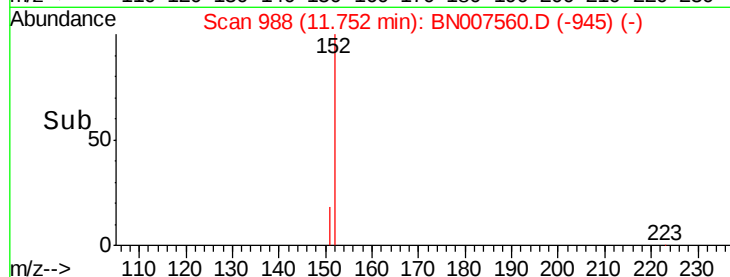
6000

4000

2000

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.371 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

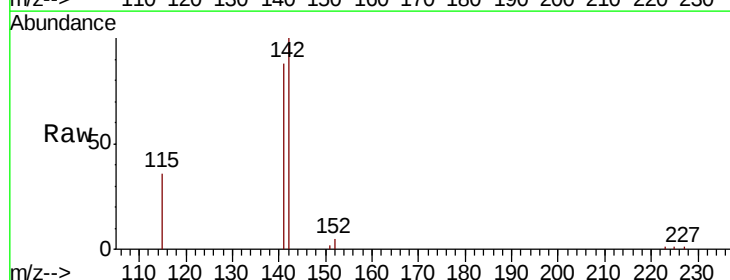
Tgt Ion:142 Resp: 17631

Ion Ratio Lower Upper

142 100

141 88.0 72.8 109.2

115 36.1 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

11.83

10000

8000

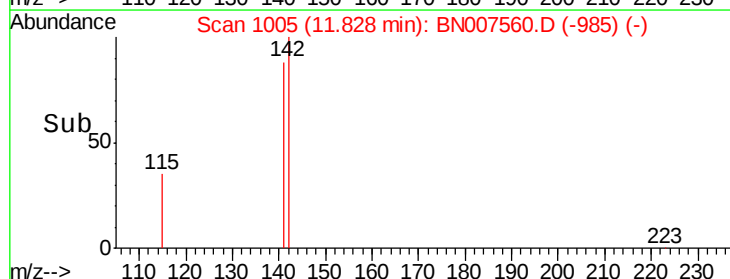
6000

4000

2000

0

Time--> 11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

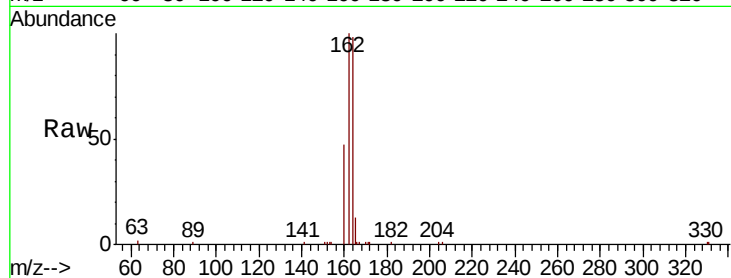
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 12808

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.5	125.3
160	48.0	38.2	57.4

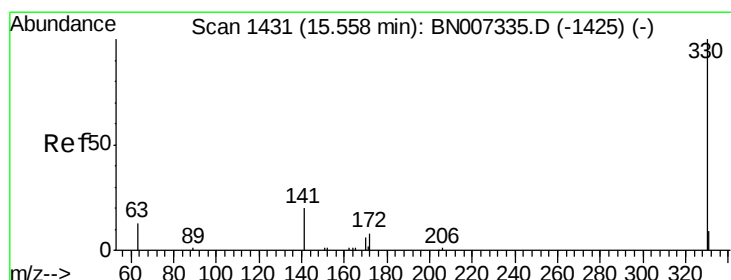
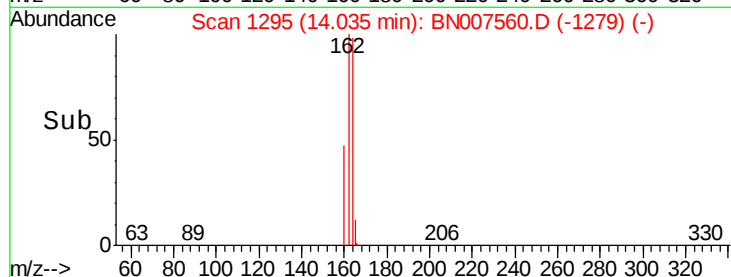
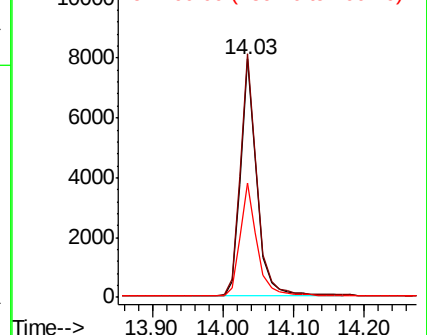


Abundance

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: 0.247 ng

RT: 15.54 min Scan# 1430

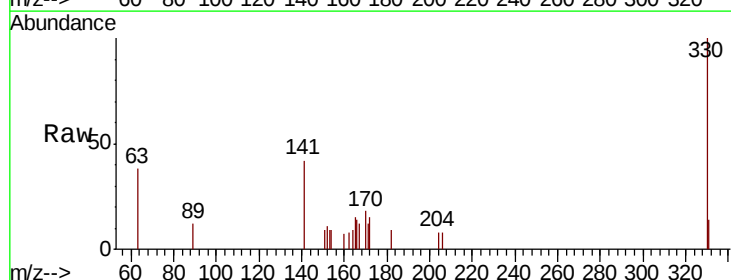
Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Tgt Ion:330 Resp: 1653

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.5	26.9	40.3

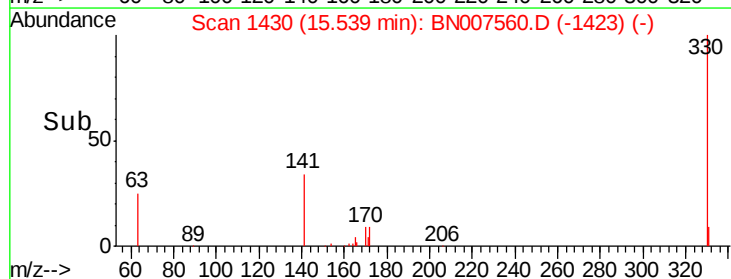
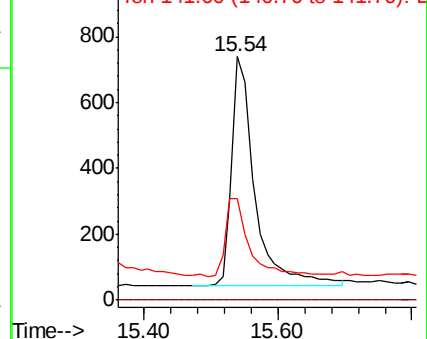


Abundance

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

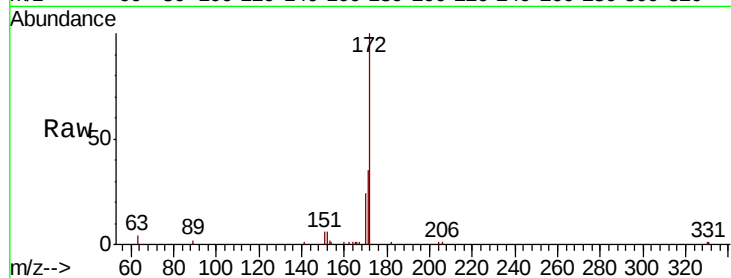




#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.3	45.5
170	23.7	20.7	31.1

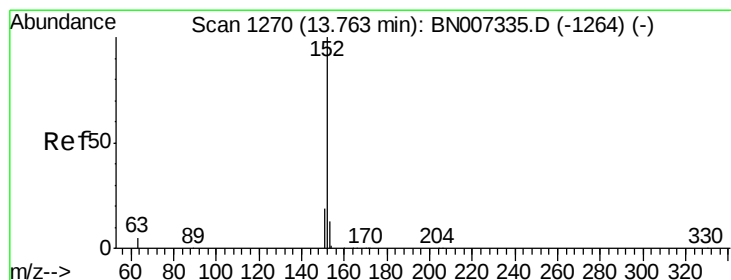
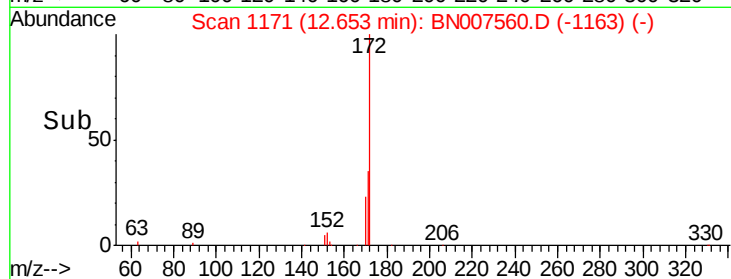
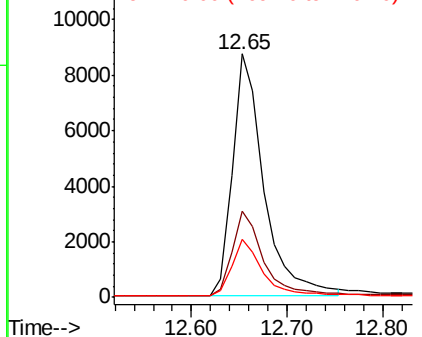


Abundance

Ion 172.00 (171.70 to 172.70): E

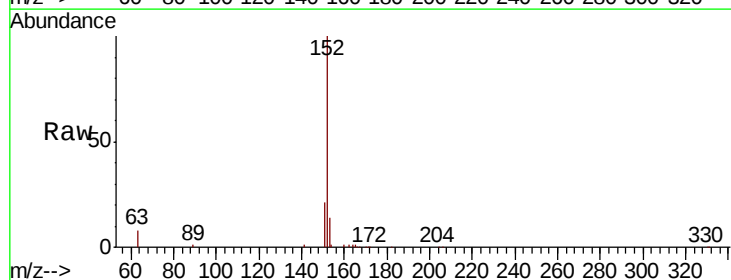
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.332 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.0	10.6	15.8

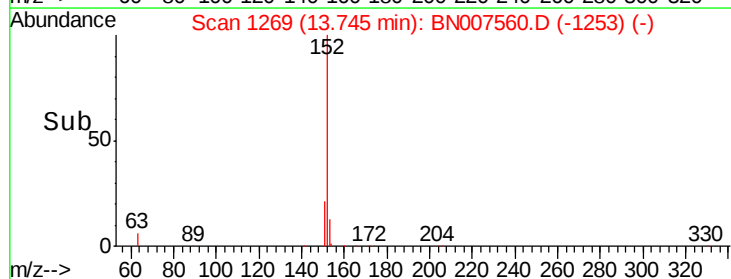
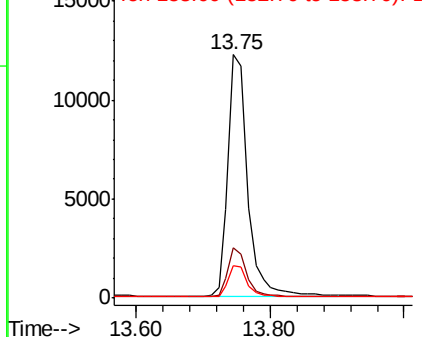


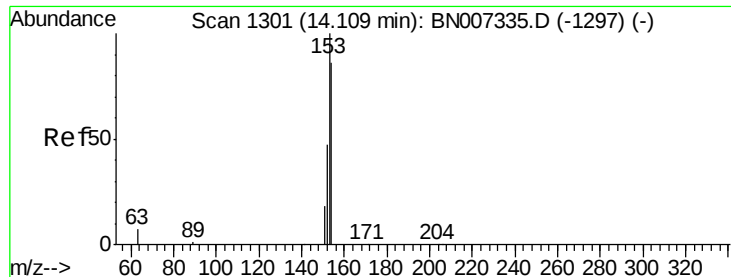
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

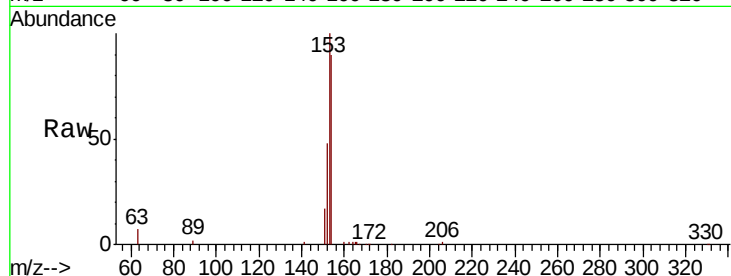
Tot Ion:154 Resp: 17206

Ion Ratio Lower Upper

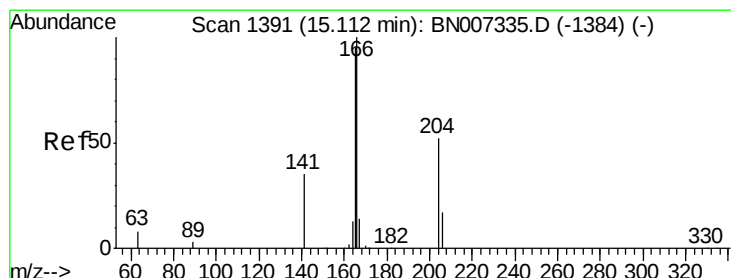
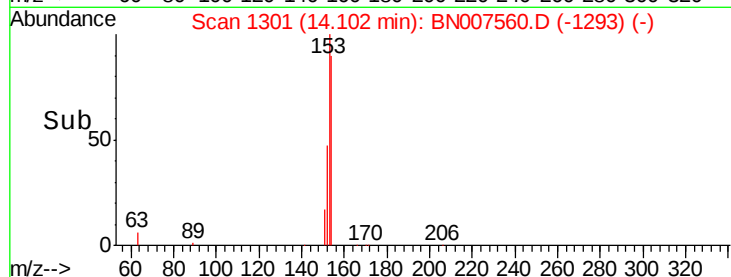
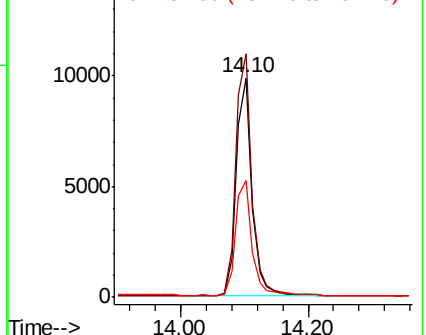
154 100

153 112.7 92.8 139.2

152 54.3 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: 0.371 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

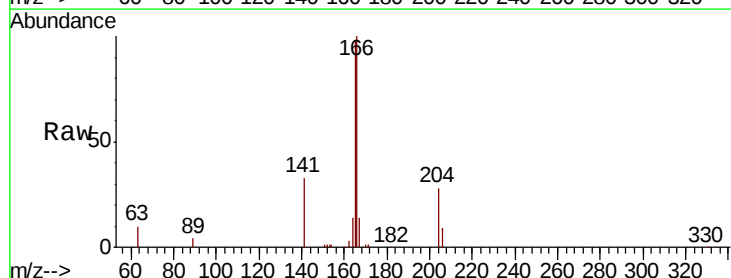
Tgt Ion:166 Resp: 20783

Ion Ratio Lower Upper

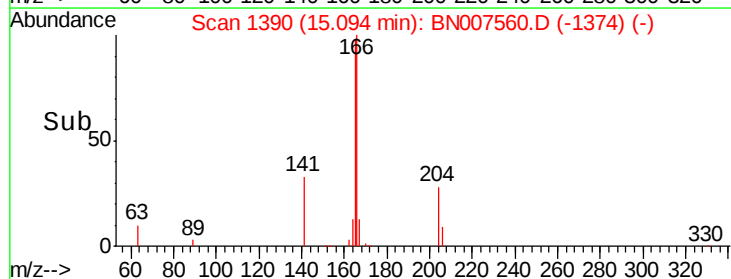
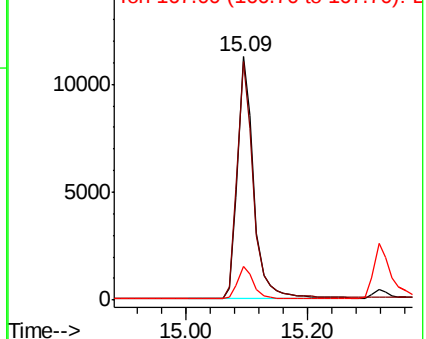
166 100

165 98.1 79.0 118.4

167 13.4 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: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

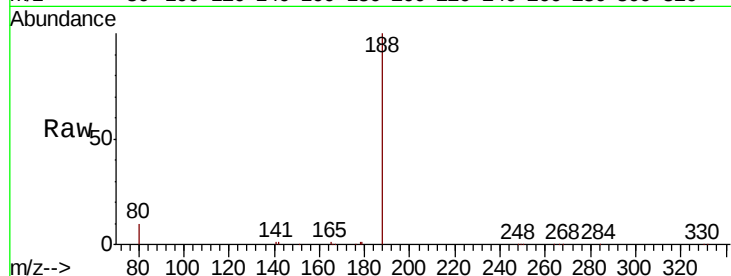
Tot Ion:188 Resp: 27904

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

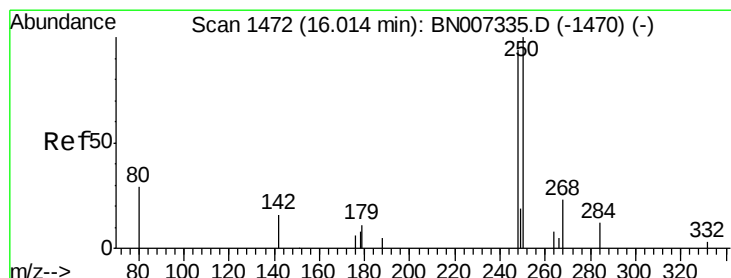
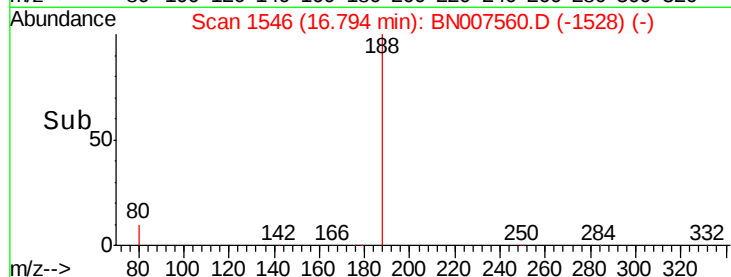
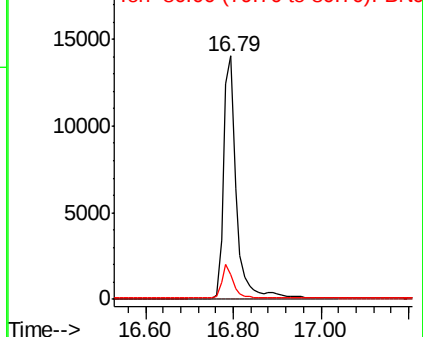
80 10.4 11.8 17.8#



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



#20

4-Bromophenyl-phenylether

Concen: 0.237 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

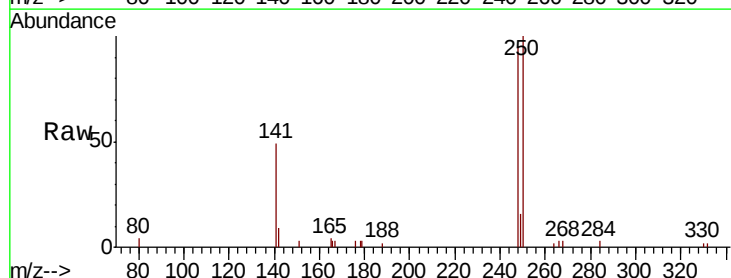
Tgt Ion:248 Resp: 2613

Ion Ratio Lower Upper

248 100

250 105.6 85.0 127.6

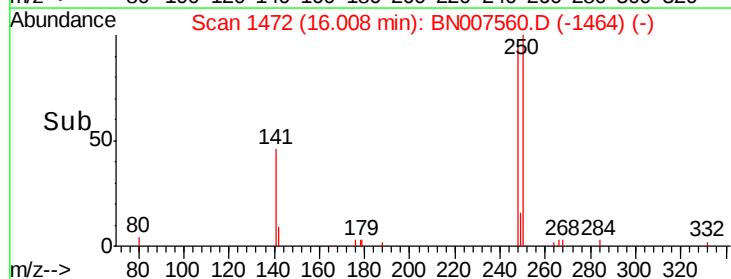
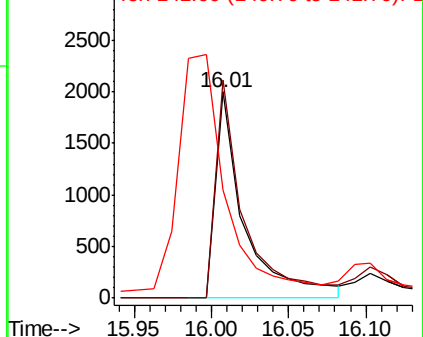
141 52.2 51.7 77.5



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





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

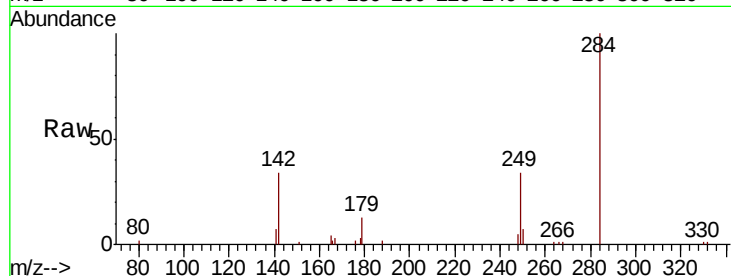
Tot Ion:284 Resp: 7380

Ion Ratio Lower Upper

284 100

142 33.1 29.0 43.6

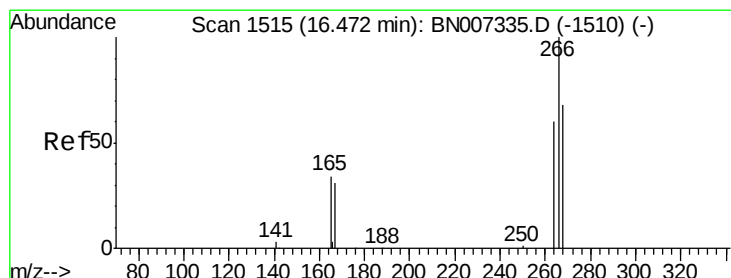
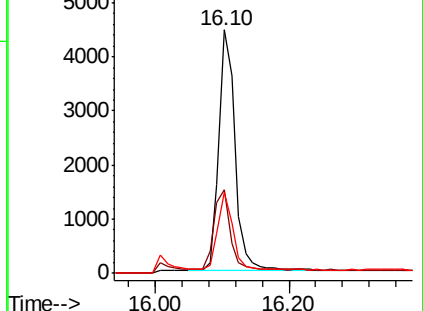
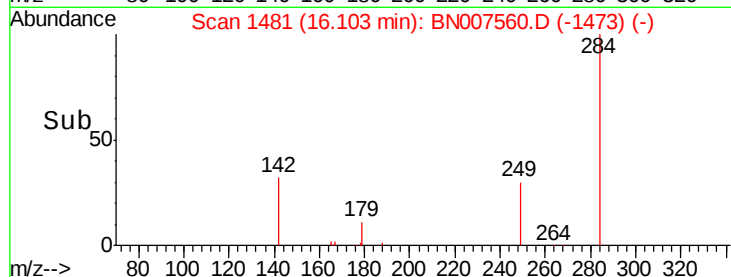
249 30.0 24.9 37.3



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: 0.185 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

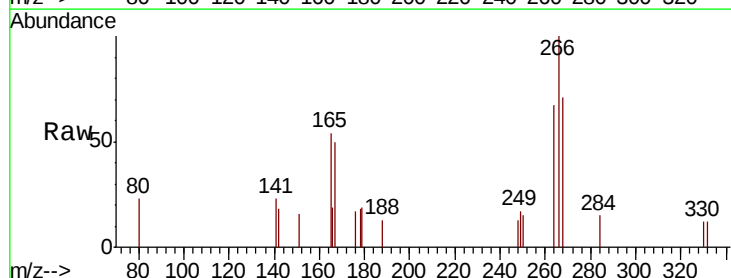
Tgt Ion:266 Resp: 1073

Ion Ratio Lower Upper

266 100

264 67.1 57.8 86.8

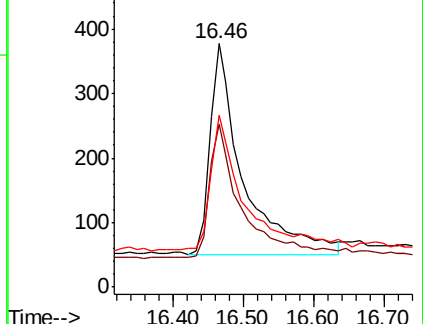
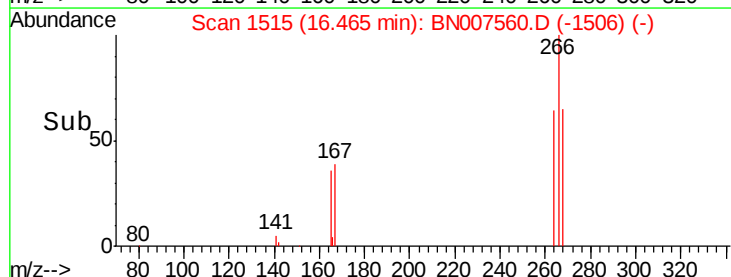
268 70.6 99.7 149.5#

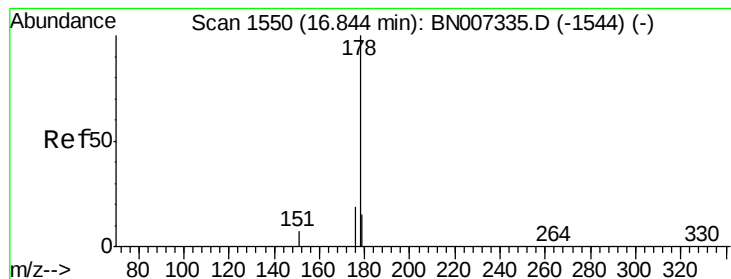


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.389 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

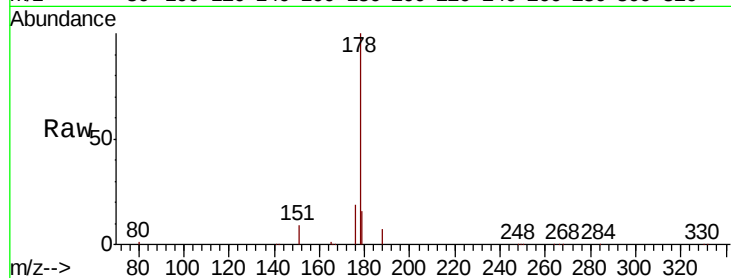
Tot Ion:178 Resp: 32673

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

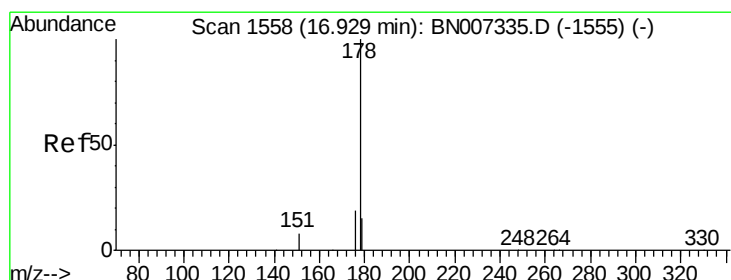
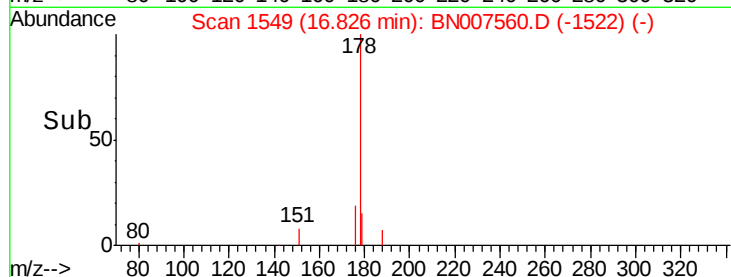
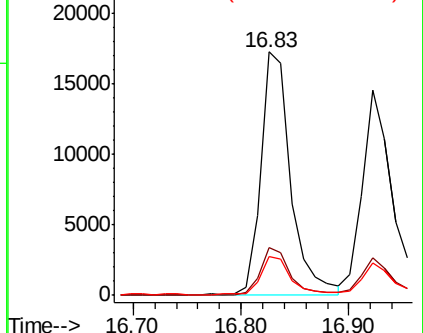
179 15.5 12.6 19.0



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: 0.337 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

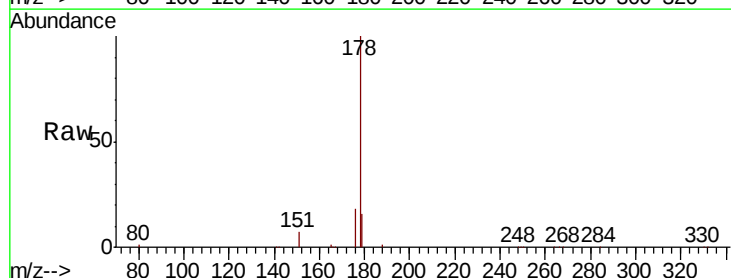
Tgt Ion:178 Resp: 28481

Ion Ratio Lower Upper

178 100

176 17.9 14.9 22.3

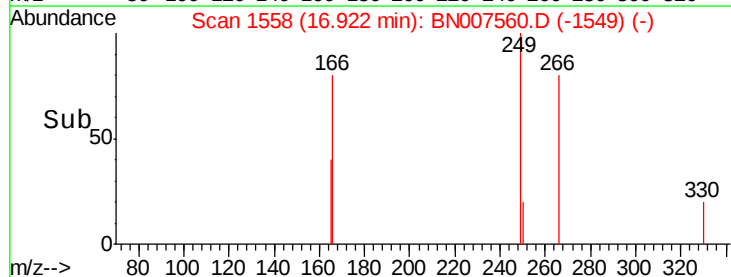
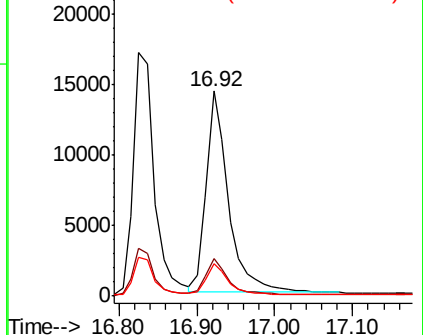
179 15.4 12.4 18.6



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

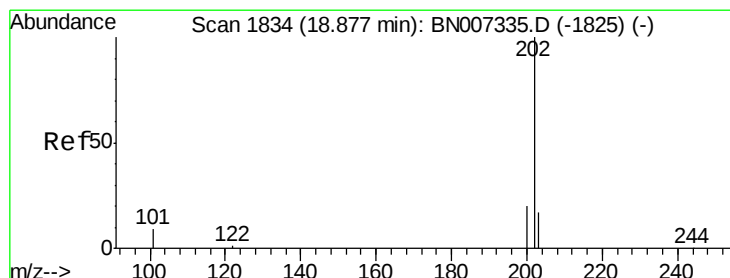
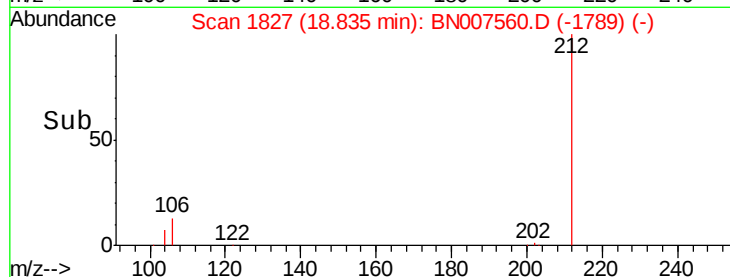
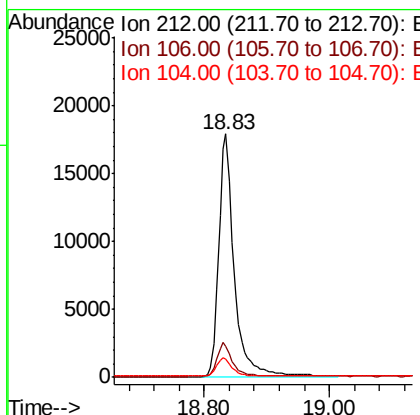
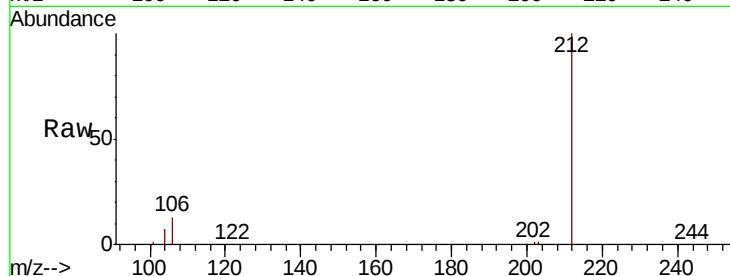




#25
 Fluoranthene-d10
 Concen: 0.345 ng
 RT: 18.83 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BN007560.D
 Acq: 08 Sep 2019 21:01

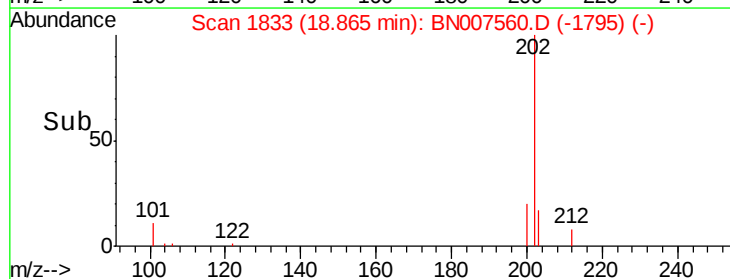
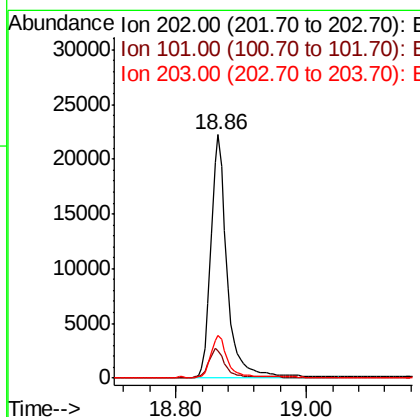
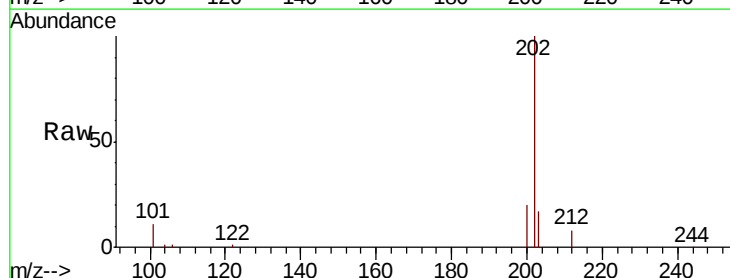
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:212 Resp: 31004
 Ion Ratio Lower Upper
 212 100
 106 13.8 9.0 13.4#
 104 7.8 5.4 8.2



#26
 Fluoranthene
 Concen: 0.351 ng
 RT: 18.86 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BN007560.D
 Acq: 08 Sep 2019 21:01

Tgt Ion:202 Resp: 37808
 Ion Ratio Lower Upper
 202 100
 101 11.8 7.7 11.5#
 203 17.0 13.7 20.5

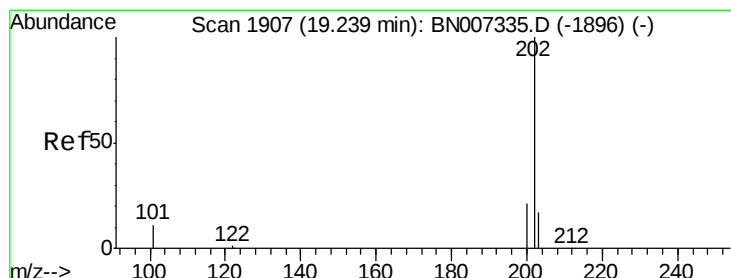
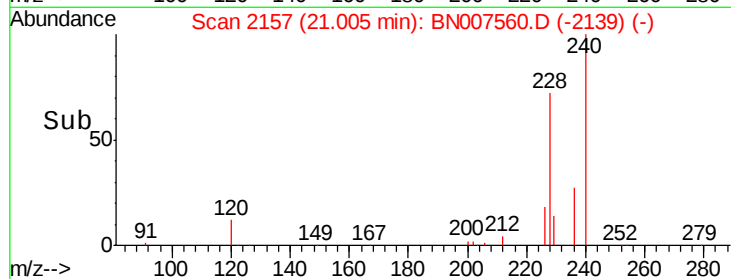
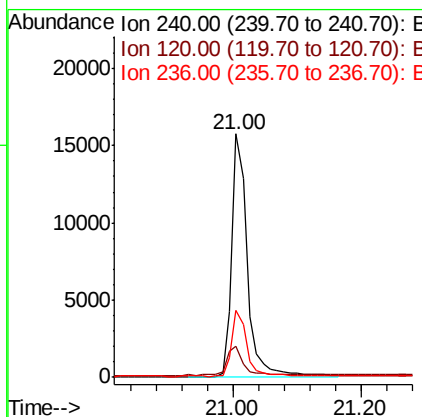
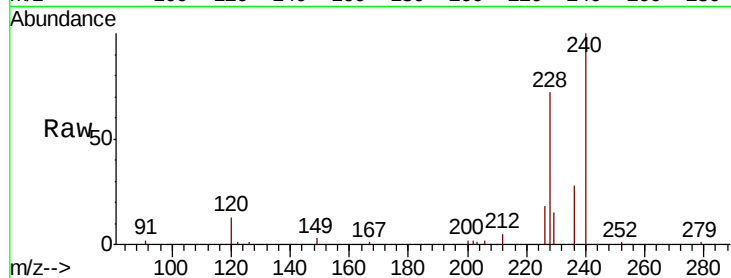




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

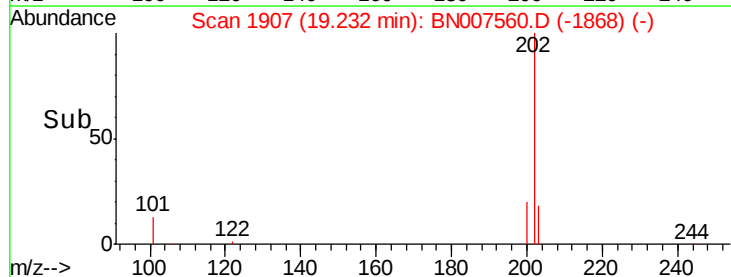
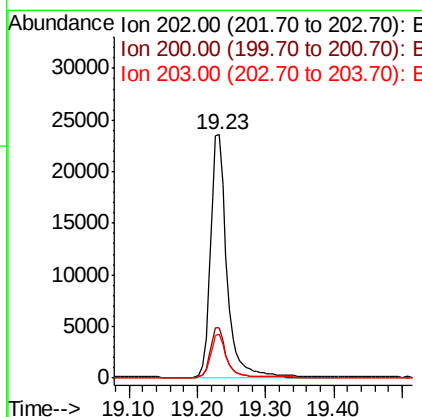
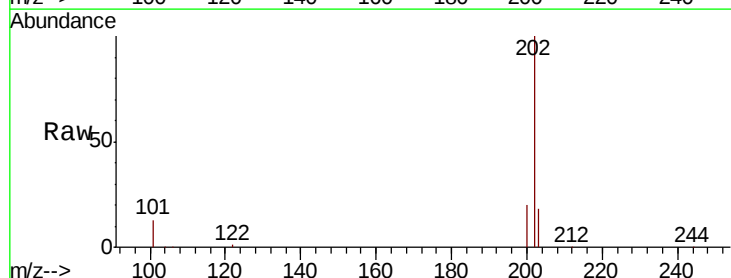
Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 26309
Ion Ratio Lower Upper
240 100
120 12.8 9.6 14.4
236 27.7 22.2 33.2



#28
Pyrene
Concen: 0.370 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007560.D
Acq: 08 Sep 2019 21:01

Tgt Ion:202 Resp: 39188
Ion Ratio Lower Upper
202 100
200 20.1 16.6 25.0
203 17.2 14.2 21.4





#29

Terphenyl-d14

Concen: 0.355 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

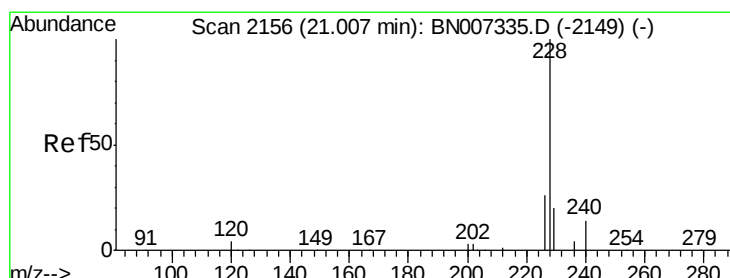
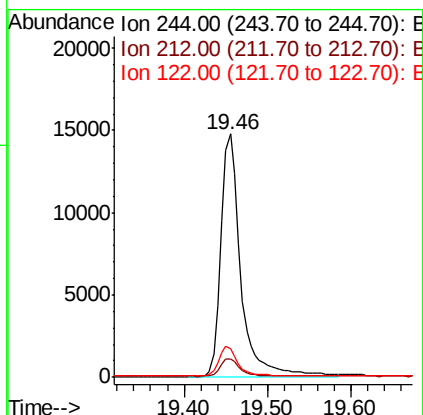
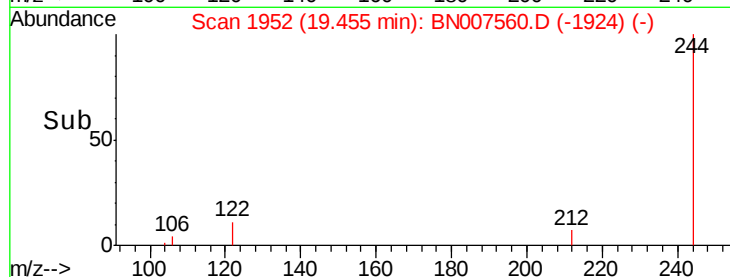
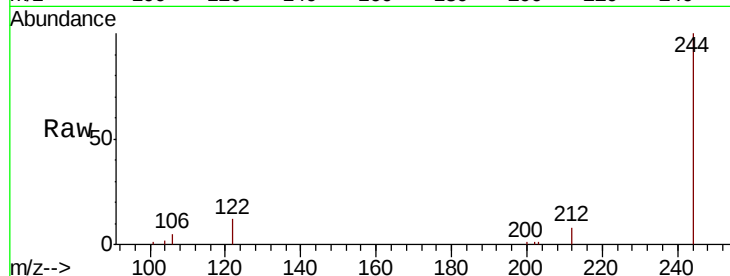
Tot Ion:244 Resp: 24453

Ion Ratio Lower Upper

244 100

212 7.7 7.0 10.6

122 11.7 9.6 14.4



#30

Benzo(a)anthracene

Concen: 0.325 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

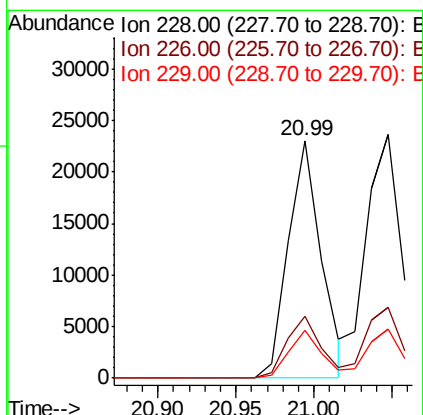
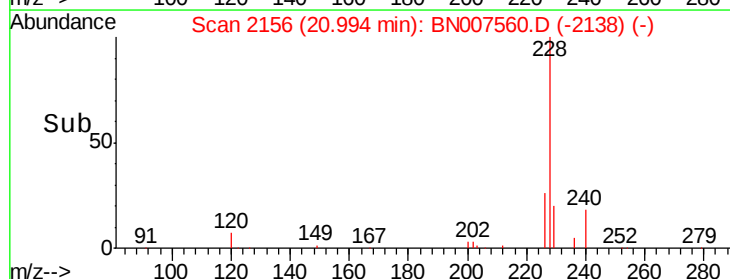
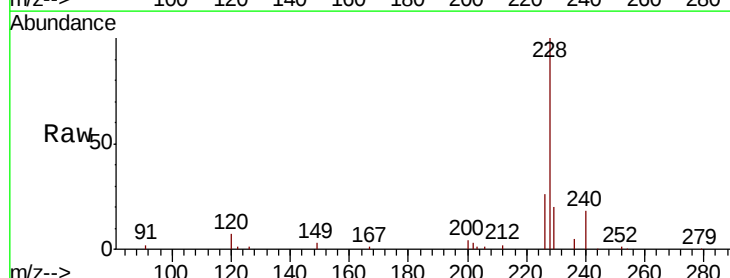
Tgt Ion:228 Resp: 33585

Ion Ratio Lower Upper

228 100

226 26.1 21.3 31.9

229 19.9 16.1 24.1





#31

Chrysene

Concen: 0.389 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

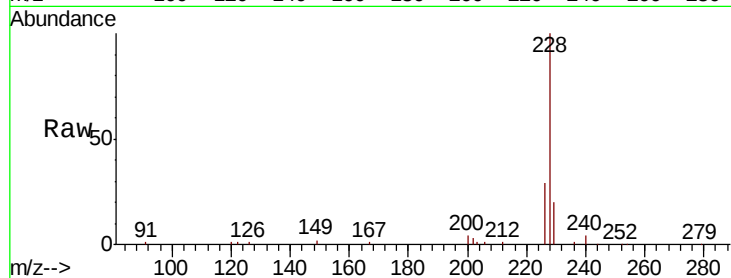
Tot Ion:228 Resp: 38764

Ion Ratio Lower Upper

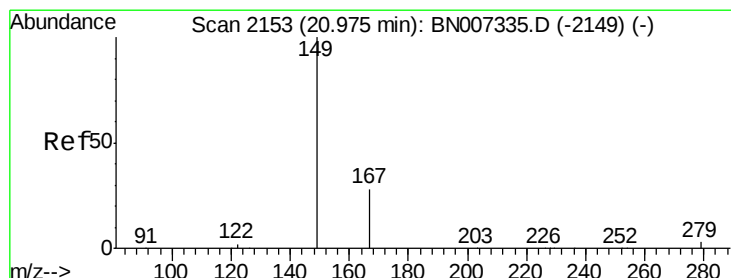
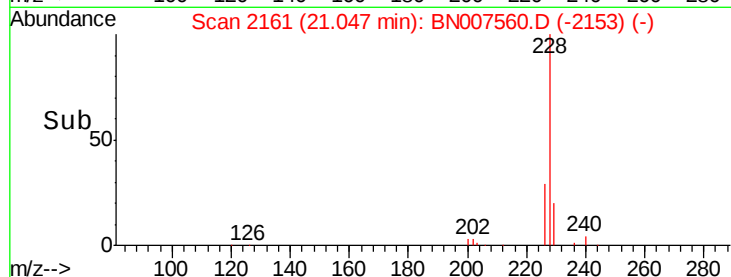
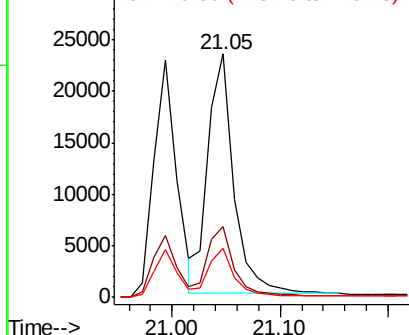
228 100

226 28.9 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: 0.219 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

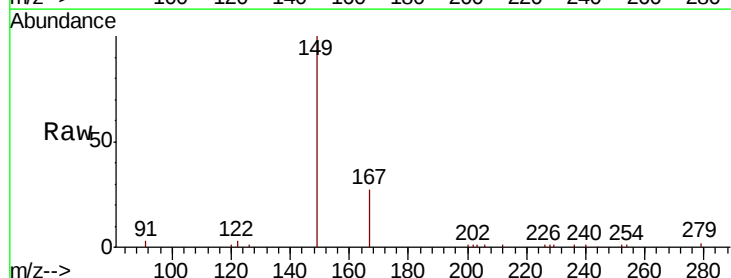
Tgt Ion:149 Resp: 15910

Ion Ratio Lower Upper

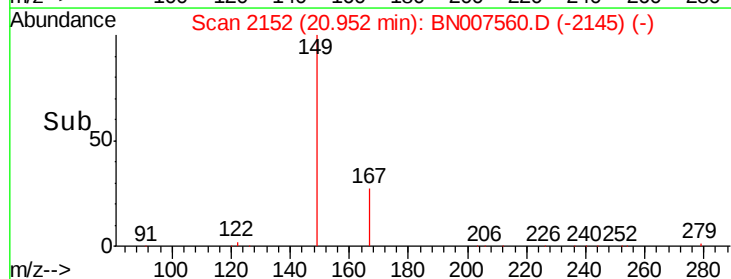
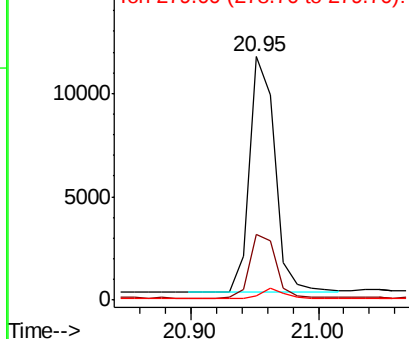
149 100

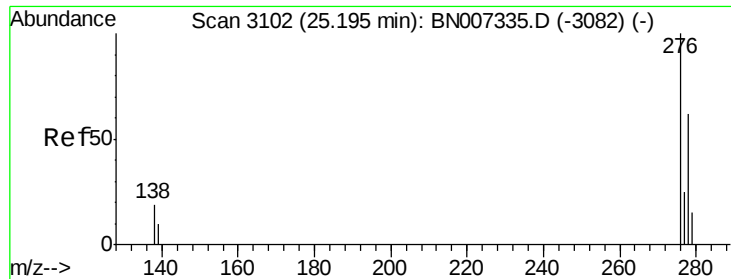
167 27.5 22.8 34.2

279 4.2 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

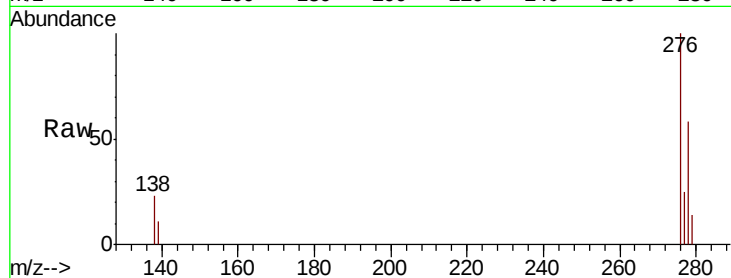




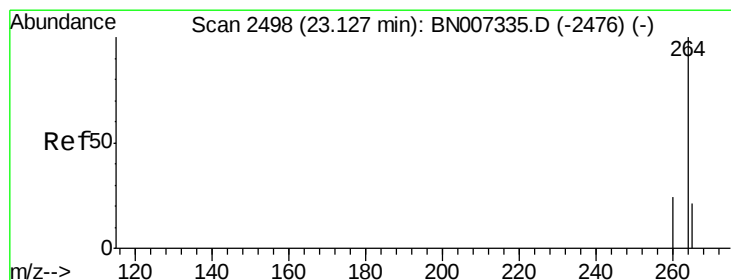
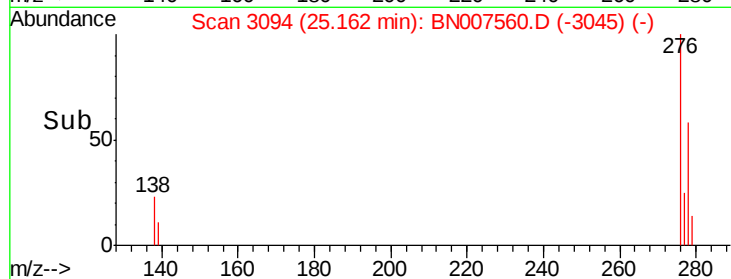
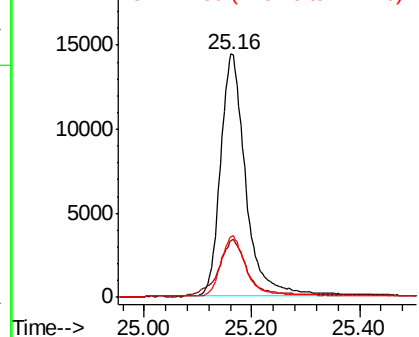
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng
 RT: 25.16 min Scan# 3094
 Delta R.T. -0.03 min
 Lab File: BN007560.D
 Acq: 08 Sep 2019 21:01

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 47254
 Ion Ratio Lower Upper
 276 100
 138 25.1 15.1 22.7#
 277 24.5 19.7 29.5

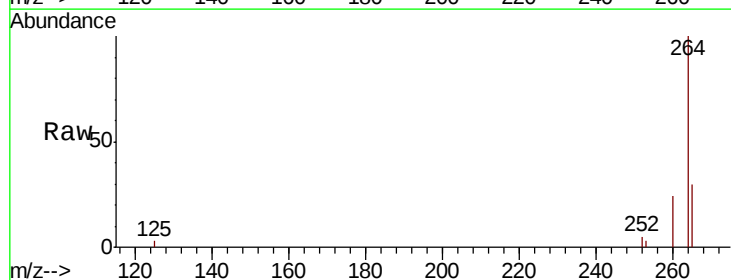


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

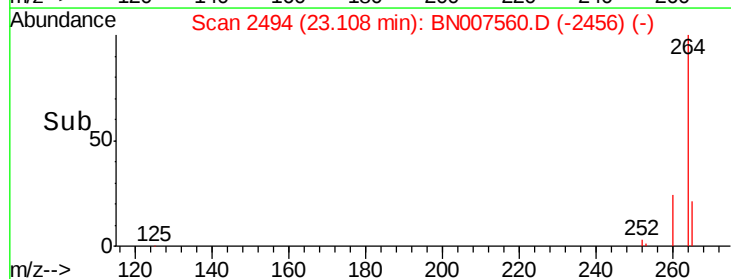
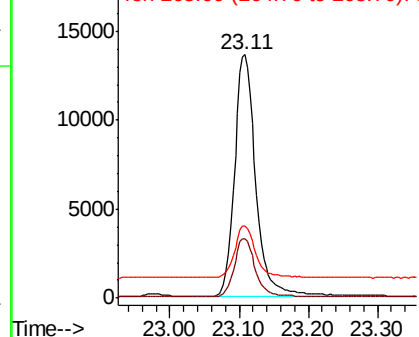


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2494
 Delta R.T. -0.02 min
 Lab File: BN007560.D
 Acq: 08 Sep 2019 21:01

Tgt Ion:264 Resp: 28889
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.7 29.5
 265 29.5 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: 0.352 ng

RT: 22.49 min Scan# 2313

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

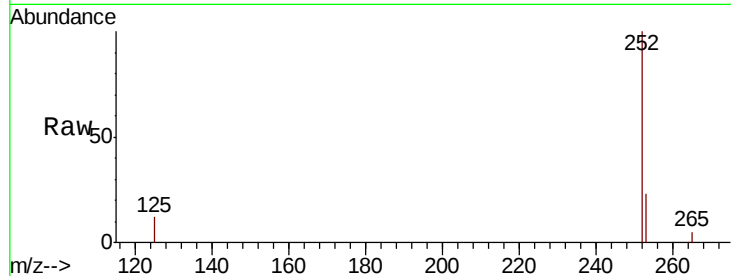
Tot Ion:252 Resp: 36892

Ion Ratio Lower Upper

252 100

253 22.9 19.2 28.8

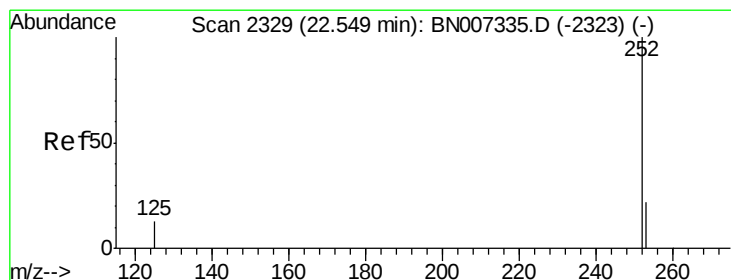
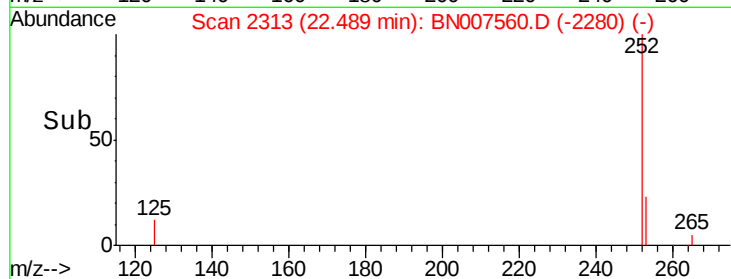
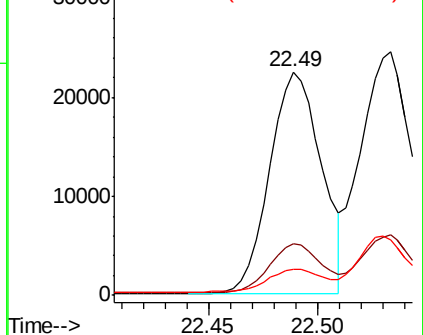
125 11.8 10.6 16.0



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: 0.447 ng

RT: 22.53 min Scan# 2326

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

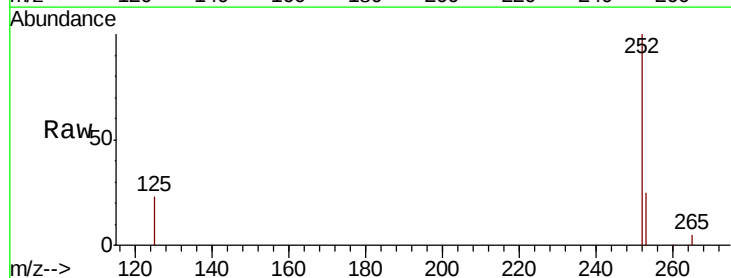
Tgt Ion:252 Resp: 46196

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.2

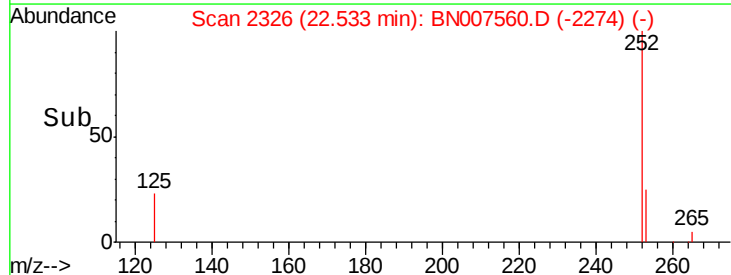
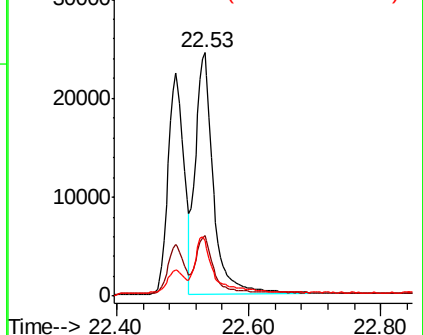
125 22.8 13.1 19.7#



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: 0.367 ng

RT: 23.02 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :

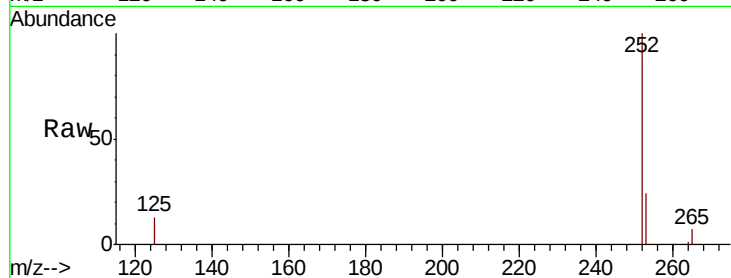
Tot Ion:252 Resp: 36510

Ion Ratio Lower Upper

252 100

253 23.6 19.5 29.3

125 13.1 12.1 18.1

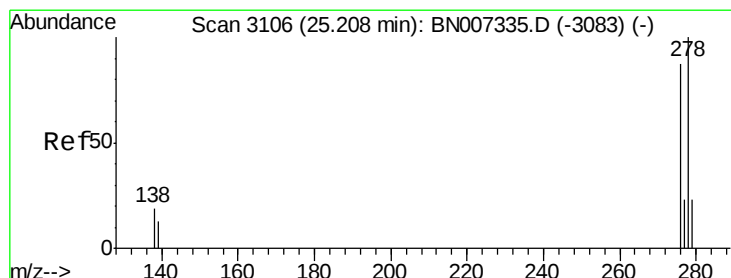
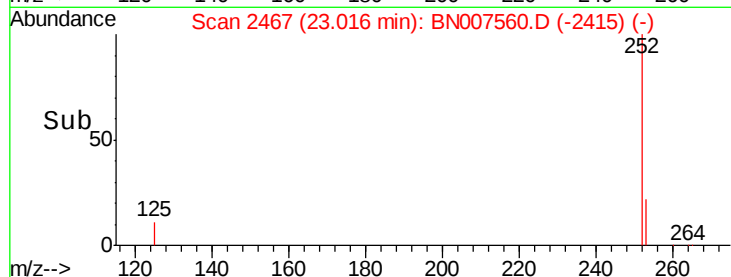
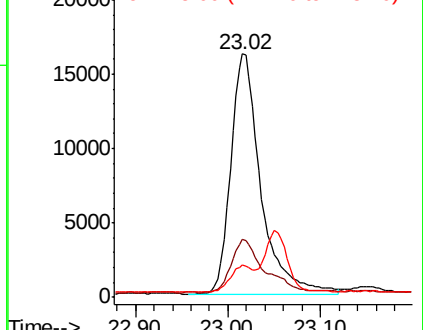


Abundance

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: 0.379 ng

RT: 25.18 min Scan# 3098

Delta R.T. -0.03 min

Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

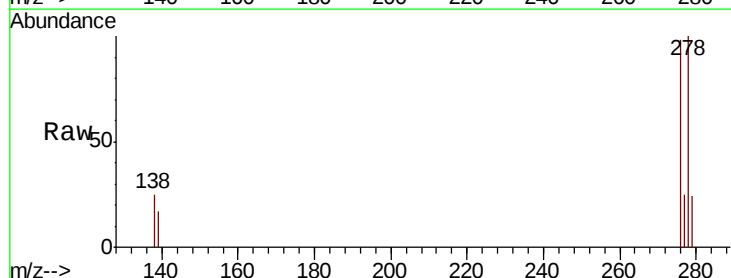
Tgt Ion:278 Resp: 37629

Ion Ratio Lower Upper

278 100

139 16.9 13.7 20.5

279 24.4 20.2 30.4

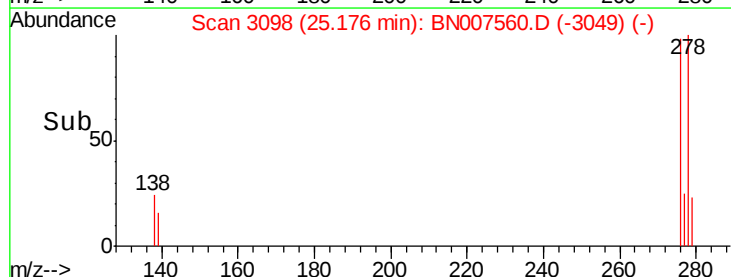
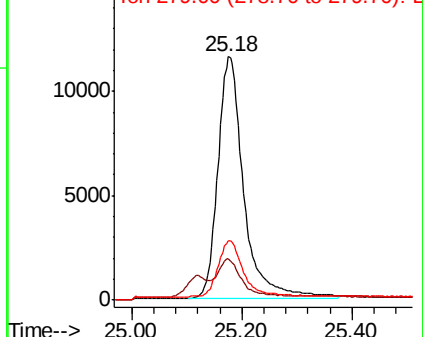


Abundance

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: 0.384 ng

RT: 25.78 min Scan# 3275

Delta R.T. -0.04 min

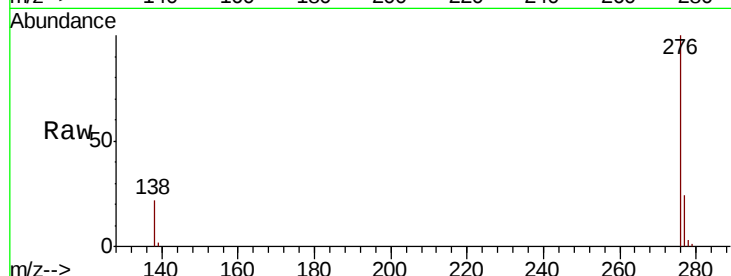
Lab File: BN007560.D

Acq: 08 Sep 2019 21:01

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 38047

Ion Ratio Lower Upper

276 100

277 24.3 19.6 29.4

138 21.5 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

