

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082719\
 Data File : BN007430.D
 Acq On : 27 Aug 2019 10:48
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 05:39:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	4915	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	20044	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	10980	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	26598	0.40	ng	0.00
27) Chrysene-d12	21.03	240	27524	0.40	ng	0.00
34) Perylene-d12	23.14	264	29247	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	6065	0.35	ng	0.00
5) Phenol-d6	6.59	99	7283	0.33	ng	0.00
8) Nitrobenzene-d5	8.53	82	6559	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	12598	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	2435	0.42	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	16608	0.38	ng	0.00
25) Fluoranthene-d10	18.85	212	32969	0.38	ng	0.00
29) Terphenyl-d14	19.47	244	26843	0.37	ng	0.00

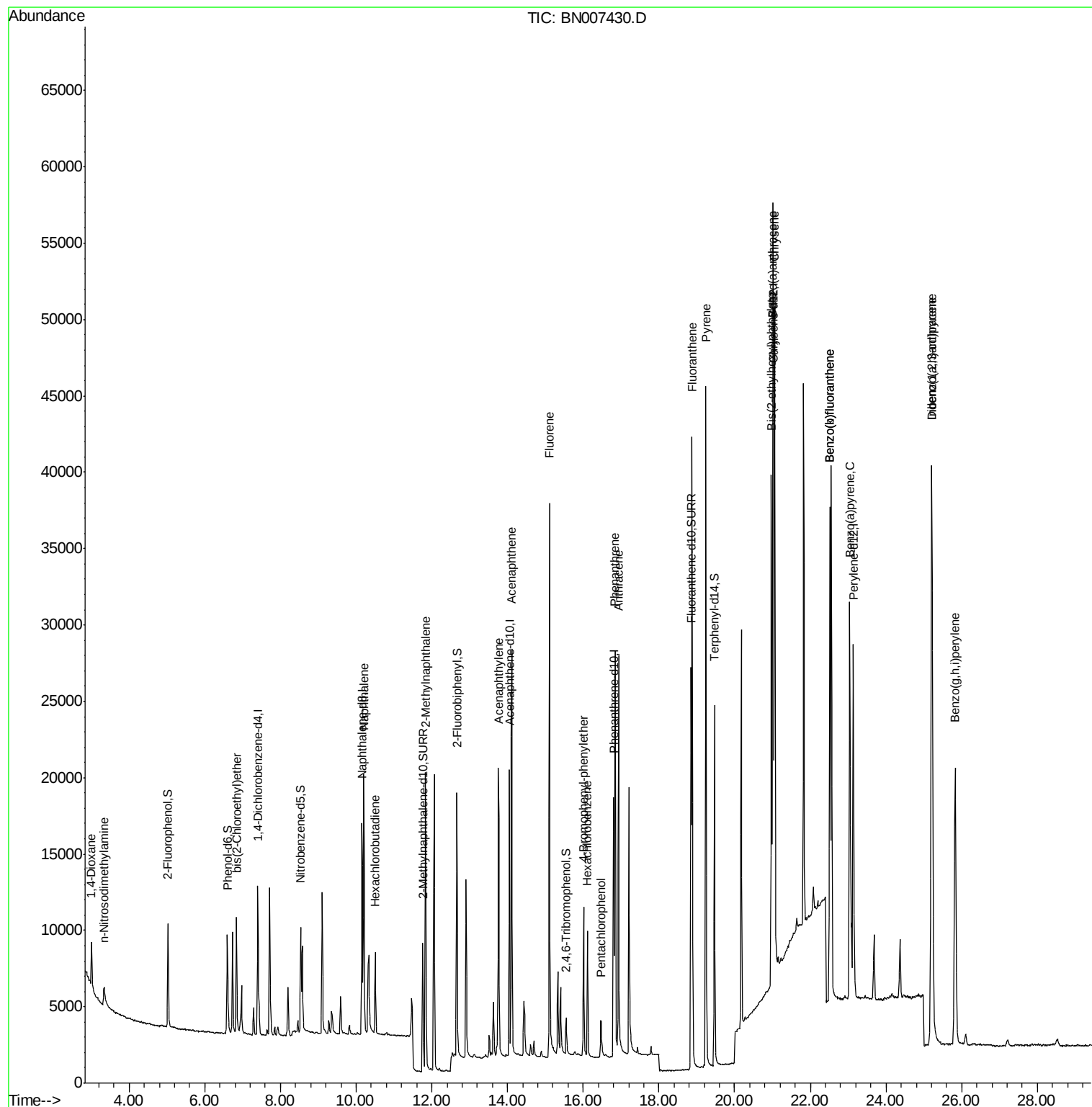
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	3094	0.379	ng	# 77
3) n-Nitrosodimethylamine	3.34	42	1104	0.291	ng	# 84
6) bis(2-Chloroethyl)ether	6.84	93	6353	0.358	ng	99
9) Naphthalene	10.20	128	21968	0.384	ng	# 90
10) Hexachlorobutadiene	10.51	225	4283	0.365	ng	# 98
12) 2-Methylnaphthalene	11.83	142	14725	0.377	ng	96
16) Acenaphthylene	13.76	152	23768	0.366	ng	99
17) Acenaphthene	14.11	154	14776	0.389	ng	97
18) Fluorene	15.11	166	18642	0.388	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	4205	0.401	ng	95
21) Hexachlorobenzene	16.11	284	7016	0.394	ng	96
22) Pentachlorophenol	16.48	266	2004	0.362	ng	# 63
23) Phenanthrene	16.84	178	31235	0.390	ng	99
24) Anthracene	16.93	178	29185	0.363	ng	99
26) Fluoranthene	18.87	202	40020	0.390	ng	99
28) Pyrene	19.24	202	42453	0.383	ng	100
30) Benzo(a)anthracene	21.00	228	39804	0.368	ng	98
31) Chrysene	21.06	228	40103	0.384	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	28132	0.383	ng	98
33) Indeno(1,2,3-cd)pyrene	25.20	276	47422	0.377	ng	97
35) Benzo(b)fluoranthene	22.52	252	41037	0.387	ng	99
36) Benzo(k)fluoranthene	22.52	252	41037	0.392	ng	97
37) Benzo(a)pyrene	23.04	252	38731	0.384	ng	99
38) Dibenzo(a,h)anthracene	25.22	278	38499	0.383	ng	98
39) Benzo(g,h,i)perylene	25.83	276	38652	0.386	ng	97

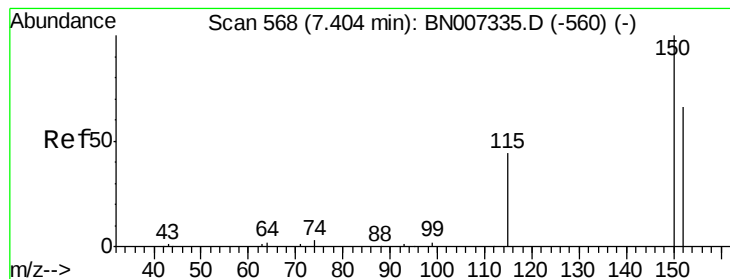
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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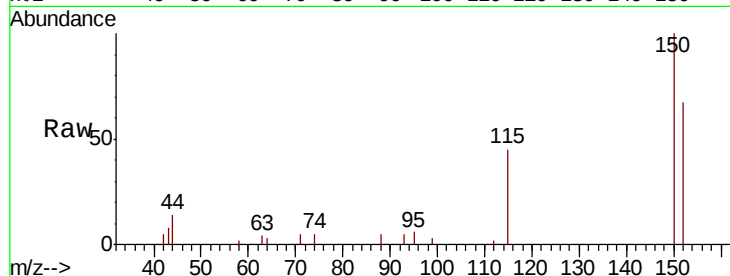


#1

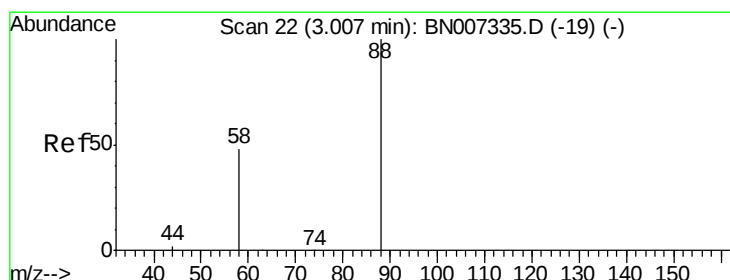
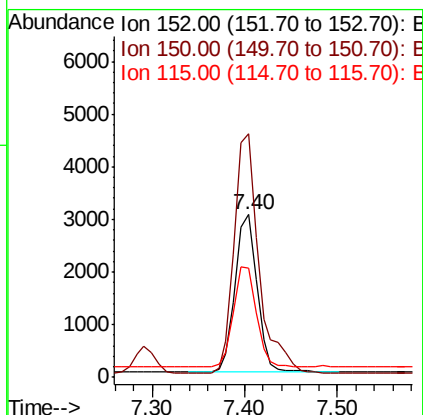
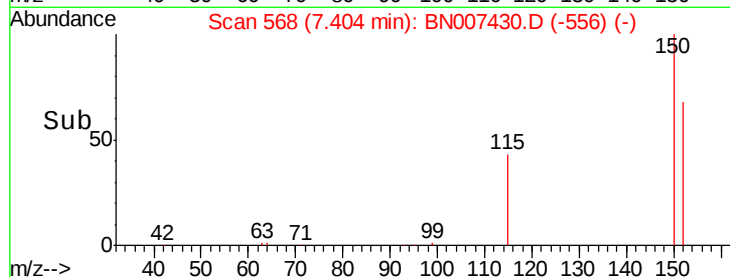
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007430.D
Acq: 27 Aug 2019 10:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 4915
Ion Ratio Lower Upper
152 100
150 149.8 109.1 163.7
115 67.5 59.6 89.4



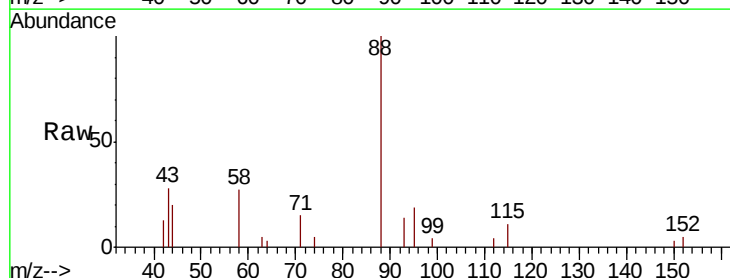
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



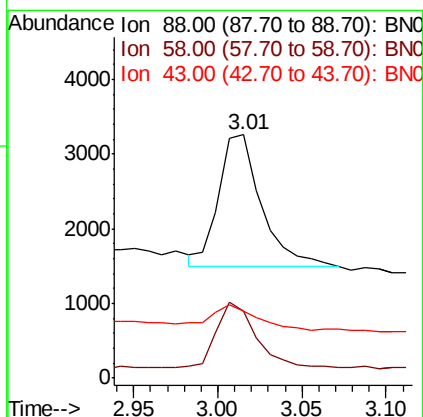
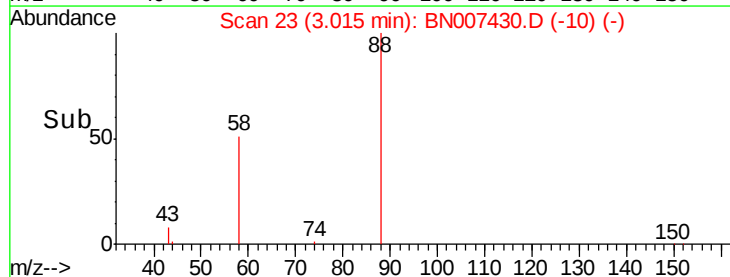
#2

1,4-Dioxane
Concen: 0.379 ng
RT: 3.01 min Scan# 23
Delta R.T. 0.01 min
Lab File: BN007430.D
Acq: 27 Aug 2019 10:48

Tgt Ion: 88 Resp: 3094
Ion Ratio Lower Upper
88 100
58 45.4 50.5 75.7#
43 20.4 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: 0.291 ng

RT: 3.34 min Scan# 63

Delta R.T. 0.01 min

Lab File: BN007430.D

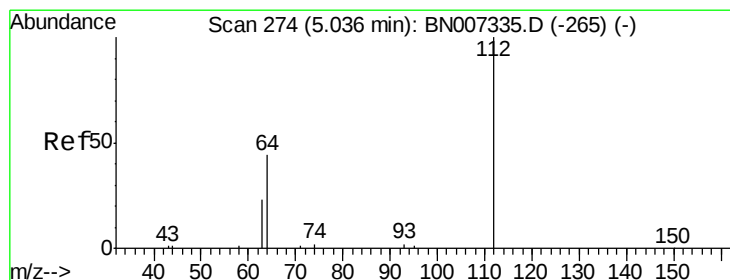
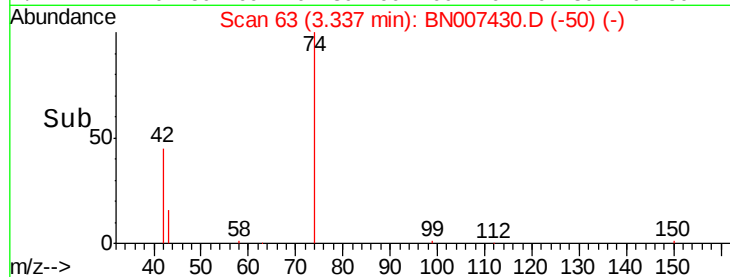
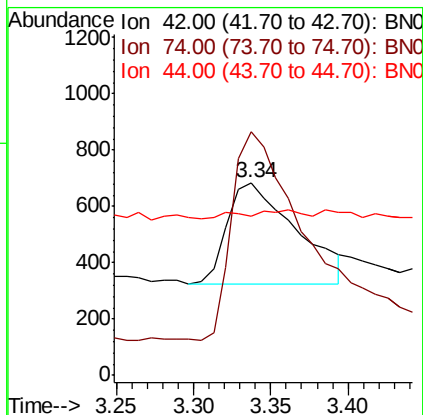
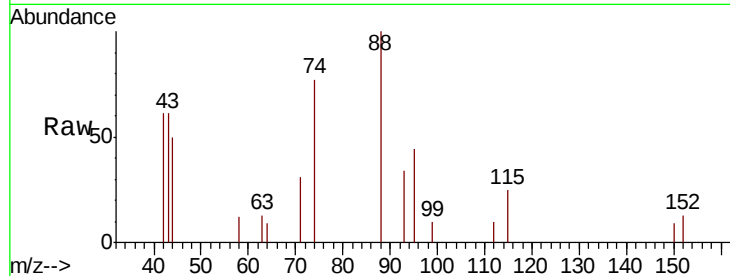
Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampled :

Tot Ion:	42	Resp:	1104
Ion	Ratio	Lower	Upper
42	100		
74	203.5	144.7	217.1
44	2.4	3.2	4.8#



#4

2-Fluorophenol

Concen: 0.352 ng

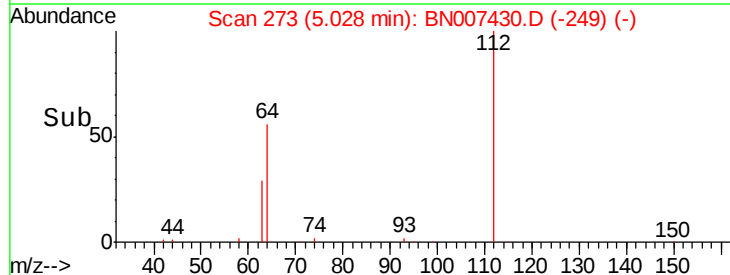
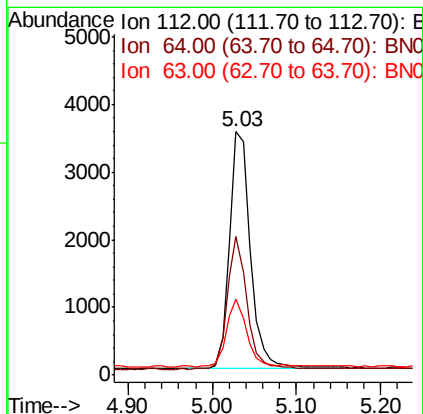
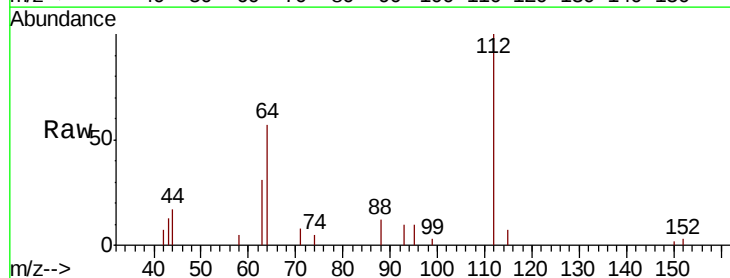
RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Tgt Ion:	112	Resp:	6065
Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.3	63.5
63	27.7	23.6	35.4





#5

Phenol-d6

Concen: 0.330 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampled :

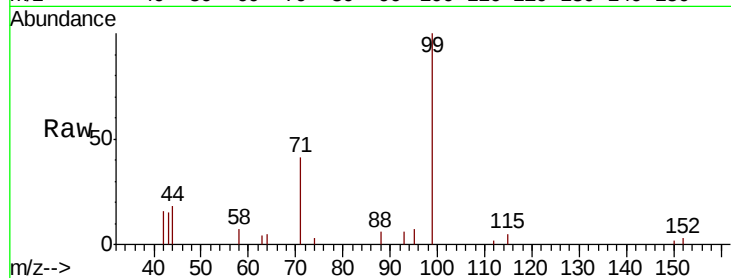
Tot Ion: 99 Resp: 7283

Ion Ratio Lower Upper

99 100

42 11.5 11.2 16.8

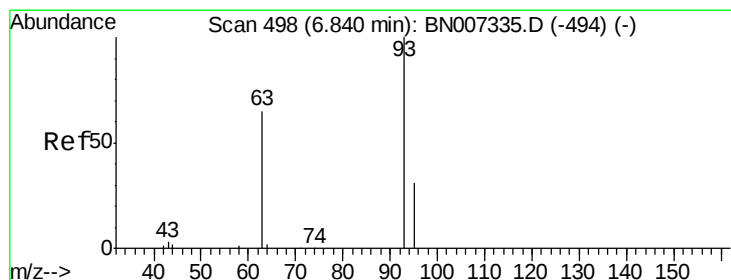
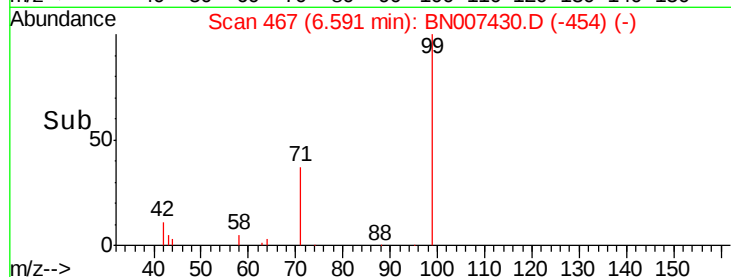
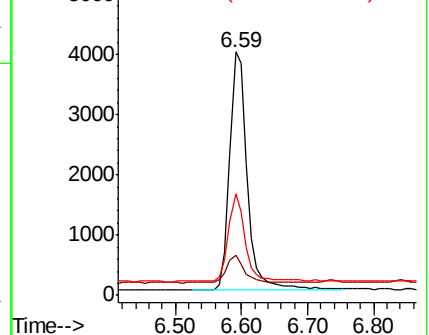
71 34.4 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007430.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007430.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007430.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.358 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

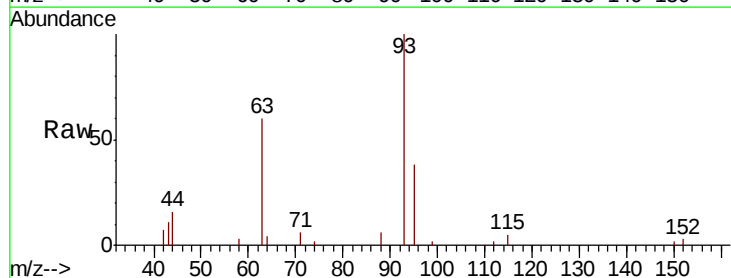
Tgt Ion: 93 Resp: 6353

Ion Ratio Lower Upper

93 100

63 64.1 51.9 77.9

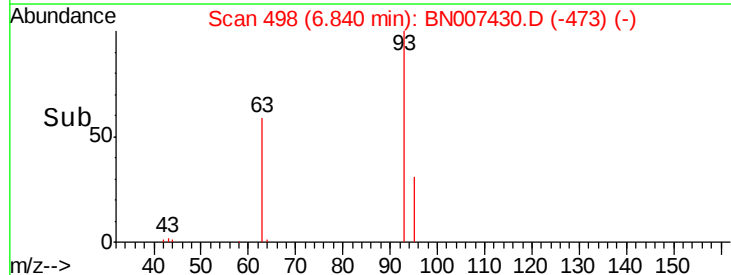
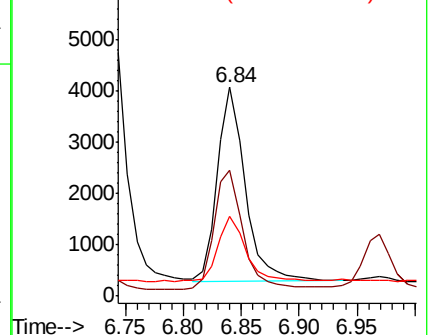
95 33.9 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007430.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007430.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007430.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 20044

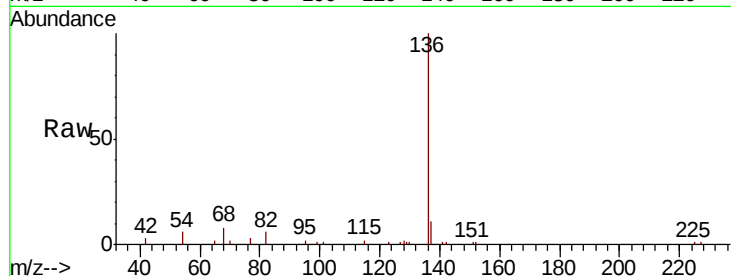
Ion Ratio Lower Upper

136 100

137 11.5 12.9 19.3#

54 6.2 8.6 12.8#

68 7.8 17.0 25.4#

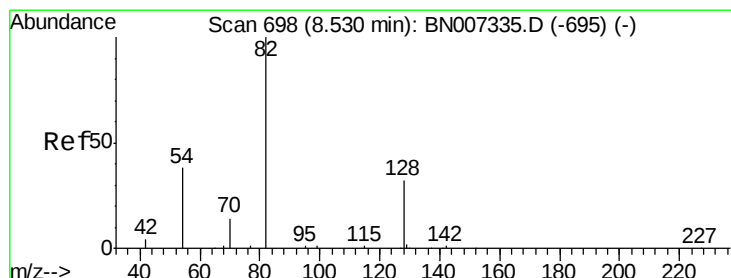
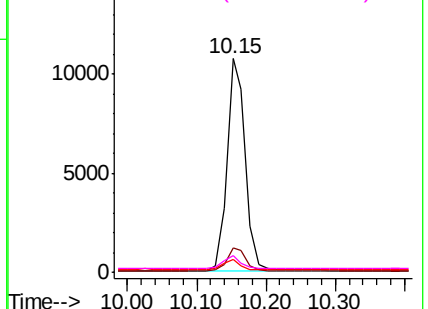
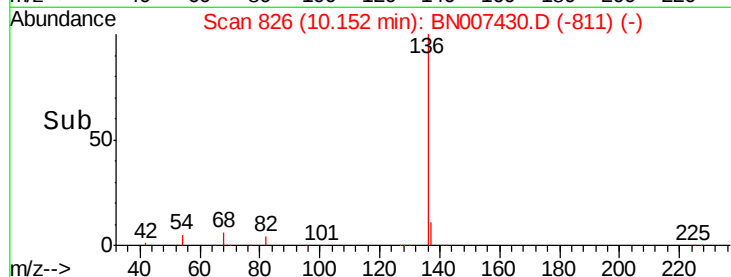


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

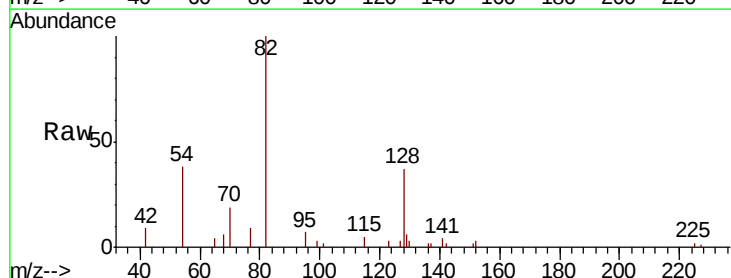
Tgt Ion: 82 Resp: 6559

Ion Ratio Lower Upper

82 100

128 37.1 19.7 29.5#

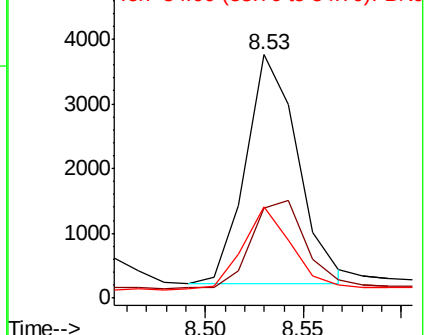
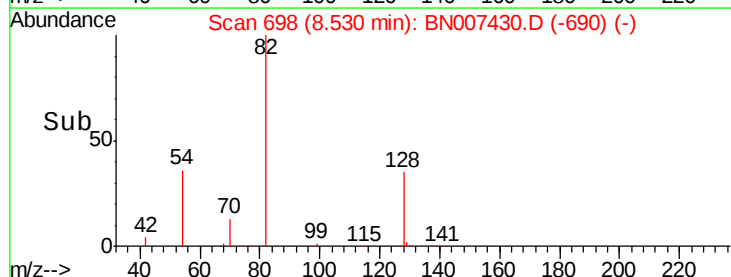
54 37.6 25.8 38.6

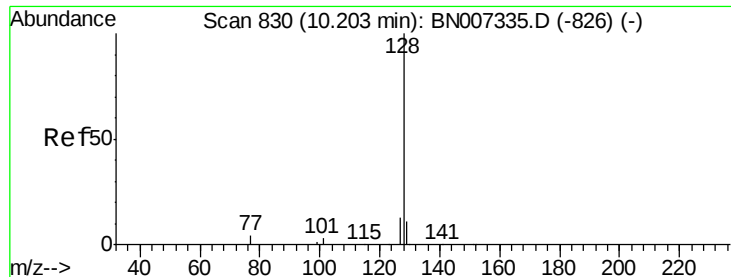


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.384 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

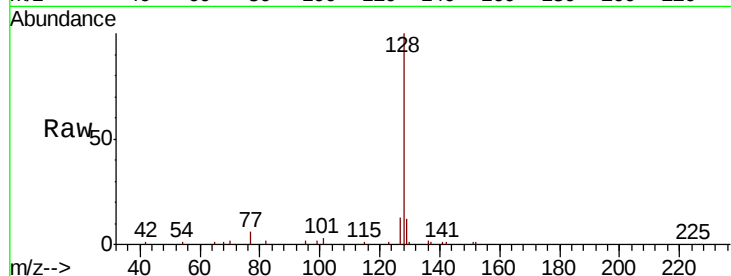
Tot Ion:128 Resp: 21968

Ion Ratio Lower Upper

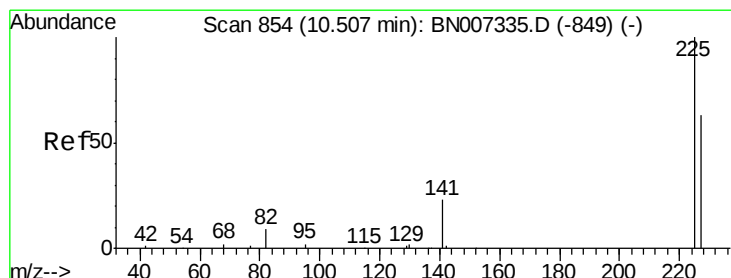
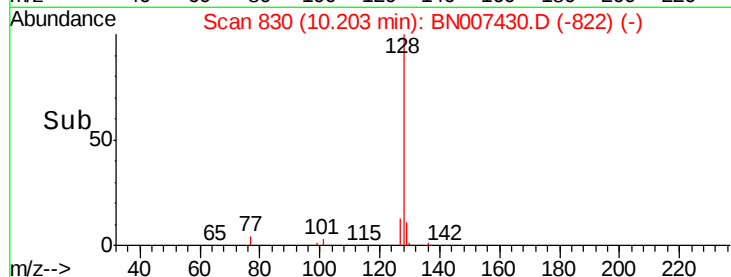
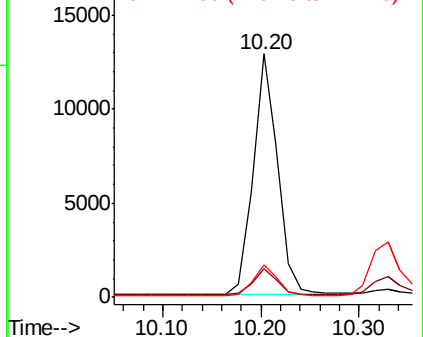
128 100

129 11.8 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: 0.365 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

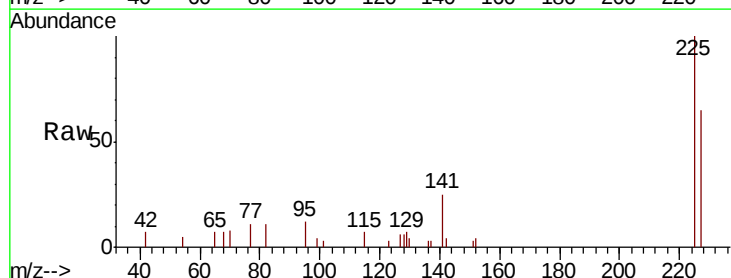
Tgt Ion:225 Resp: 4283

Ion Ratio Lower Upper

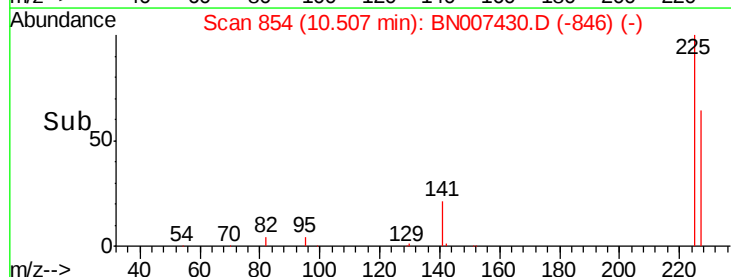
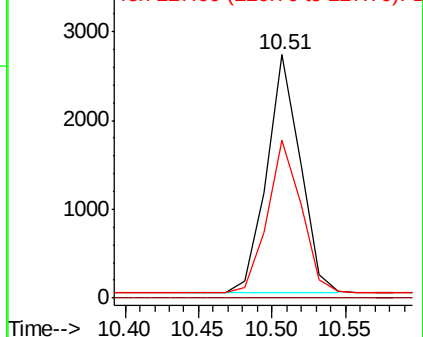
225 100

223 0.0 0.0 0.0

227 64.9 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: 0.378 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

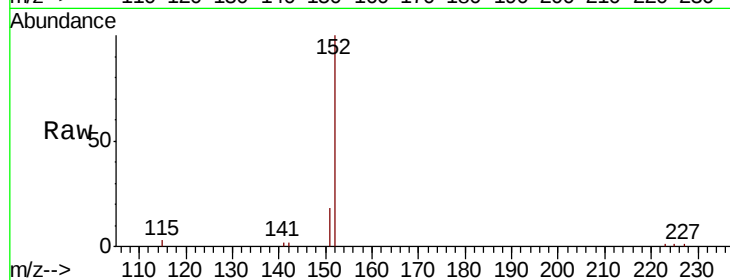
ClientSampleId :

Tot Ion:152 Resp: 12598

Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

8000

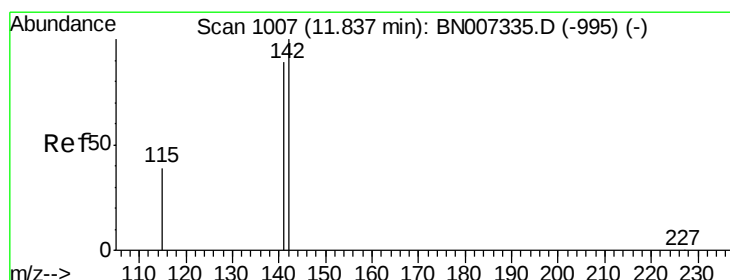
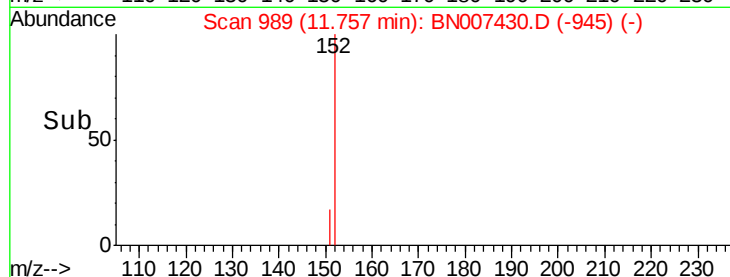
6000

4000

2000

0

Time--> 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.377 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

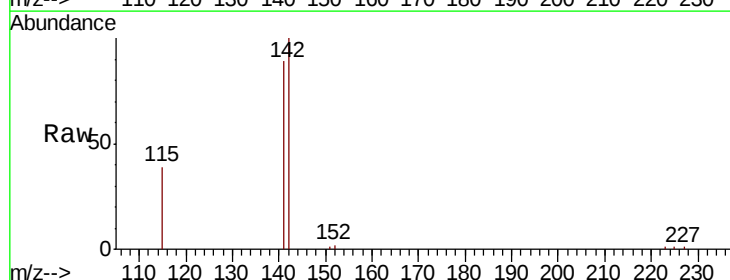
Tgt Ion:142 Resp: 14725

Ion Ratio Lower Upper

142 100

141 88.8 72.8 109.2

115 38.8 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

12000

10000

8000

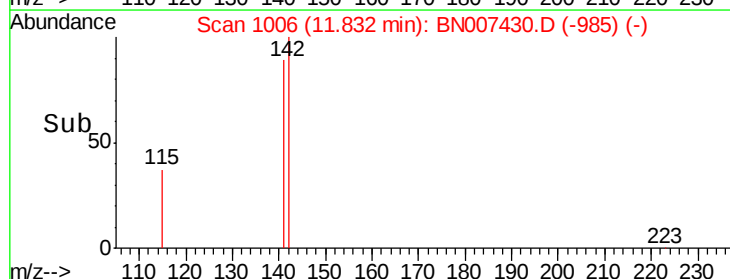
6000

4000

2000

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

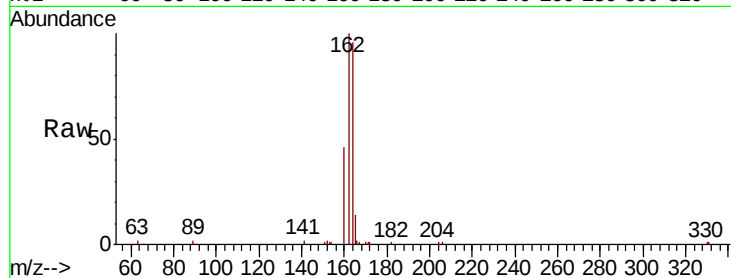
Tot Ion:164 Resp: 10980

Ion Ratio Lower Upper

164 100

162 103.8 83.5 125.3

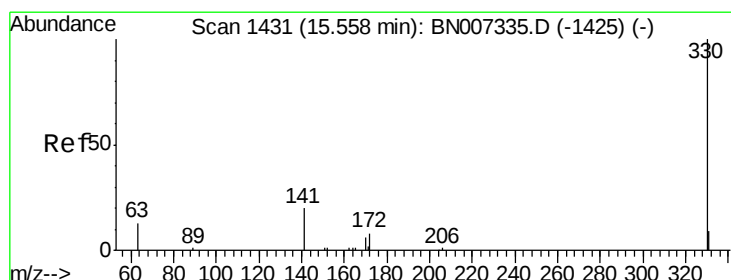
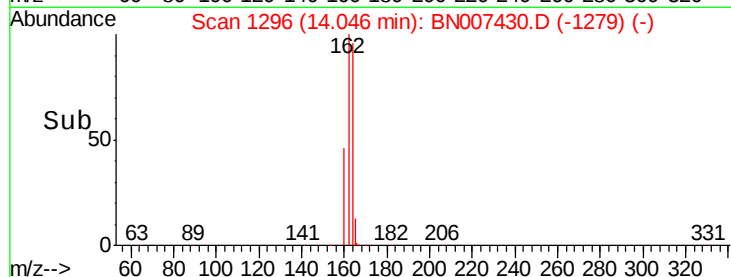
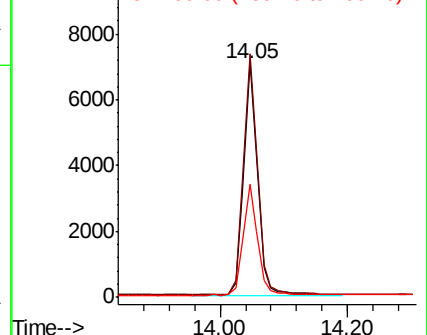
160 48.0 38.2 57.4



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: 0.424 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

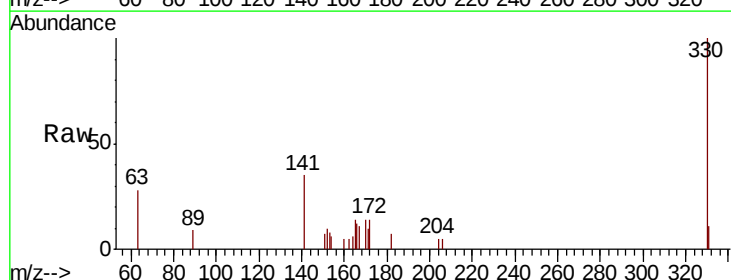
Tgt Ion:330 Resp: 2435

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

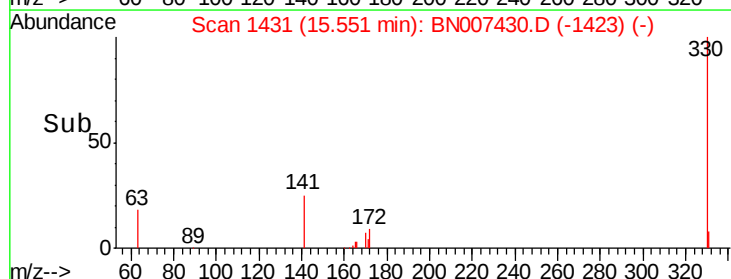
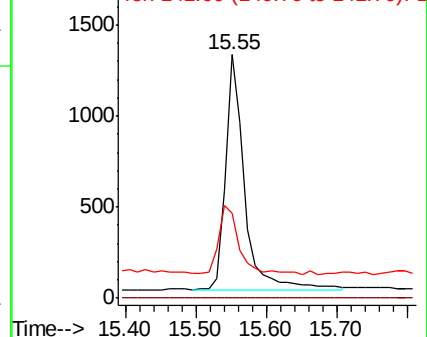
141 31.9 26.9 40.3



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: 0.375 ng

RT: 12.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

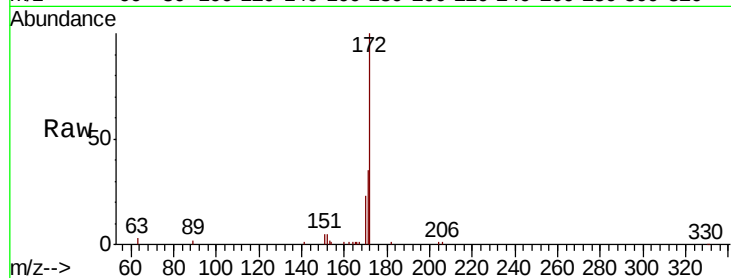
Tot Ion:172 Resp: 16608

Ion Ratio Lower Upper

172 100

171 35.2 30.3 45.5

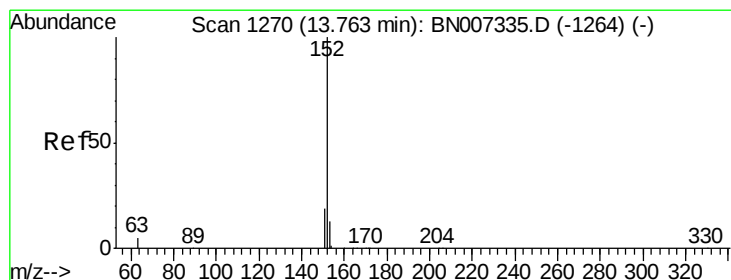
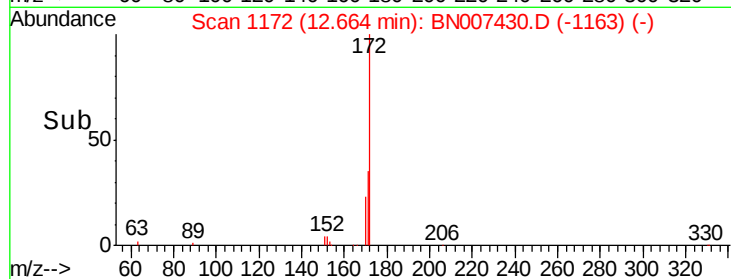
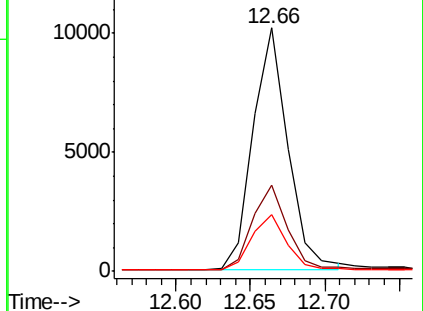
170 23.4 20.7 31.1



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: 0.366 ng

RT: 13.76 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

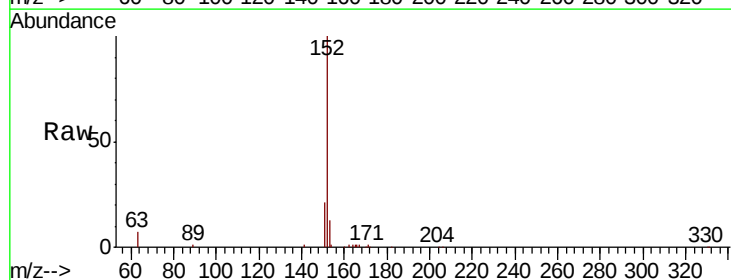
Tgt Ion:152 Resp: 23768

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

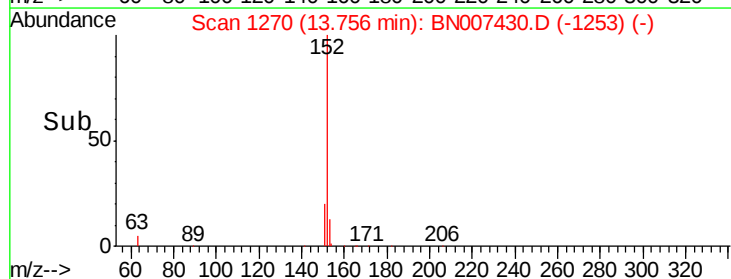
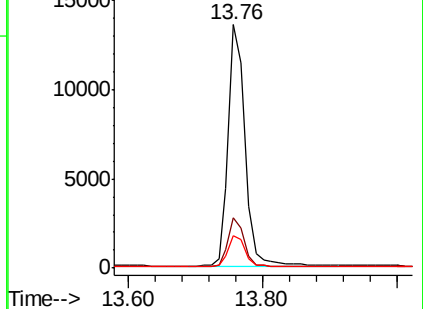
153 13.0 10.6 15.8



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: 0.389 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampled :

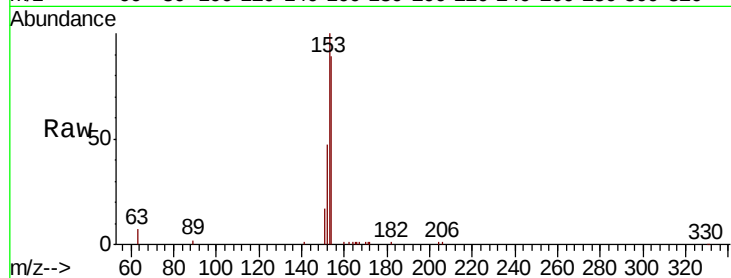
Tot Ion:154 Resp: 14776

Ion Ratio Lower Upper

154 100

153 112.1 92.8 139.2

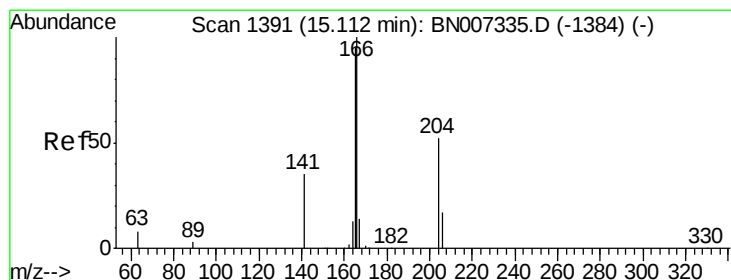
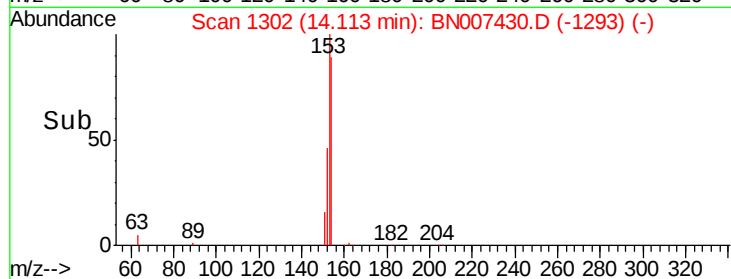
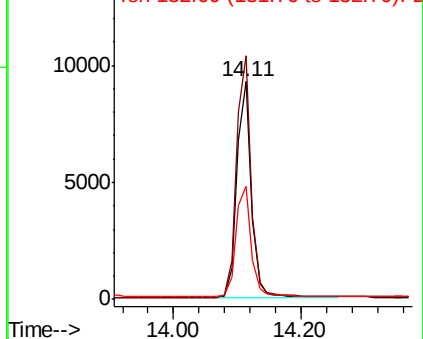
152 53.5 43.8 65.8



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: 0.388 ng

RT: 15.11 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

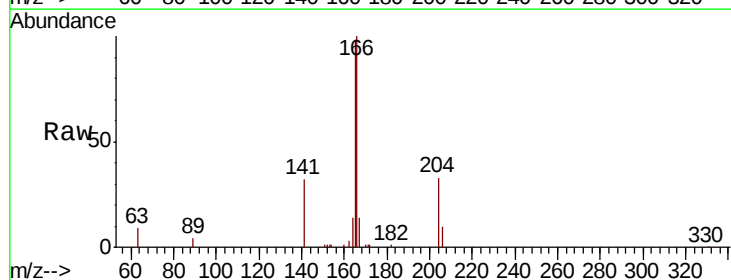
Tgt Ion:166 Resp: 18642

Ion Ratio Lower Upper

166 100

165 98.0 79.0 118.4

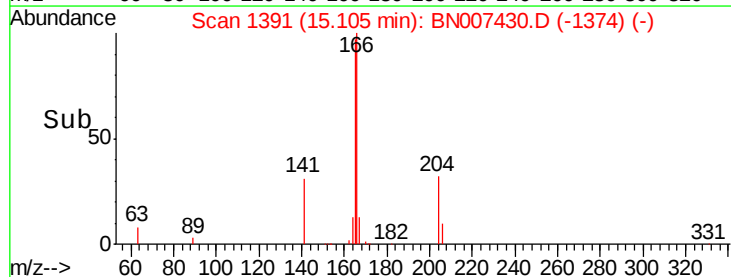
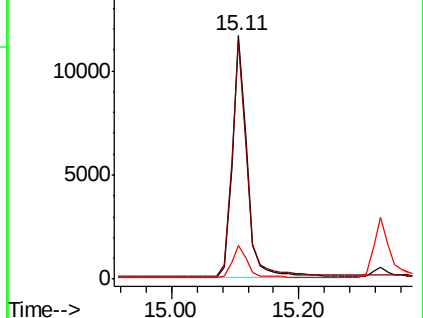
167 13.6 10.6 15.8

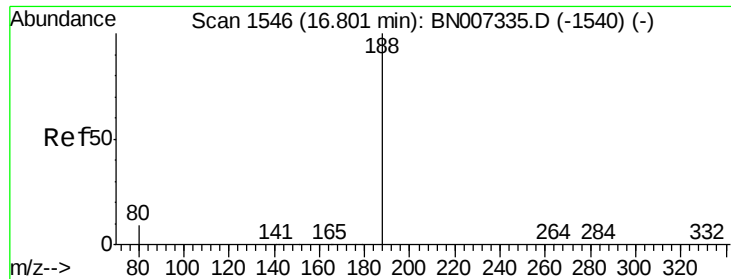


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

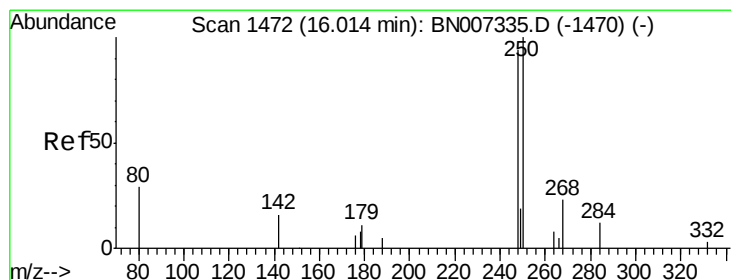
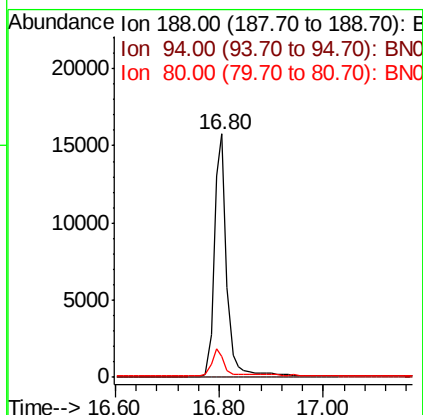
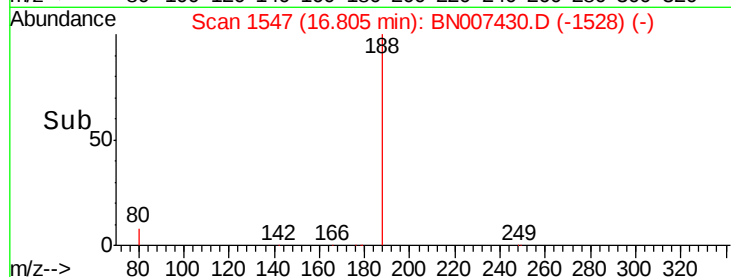
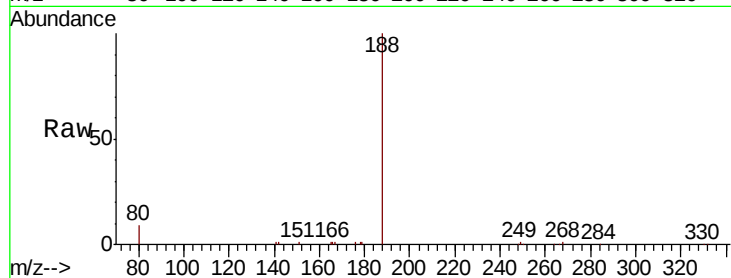
Tot Ion:188 Resp: 26598

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.6 11.8 17.8#



#20

4-Bromophenyl-phenylether

Concen: 0.401 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

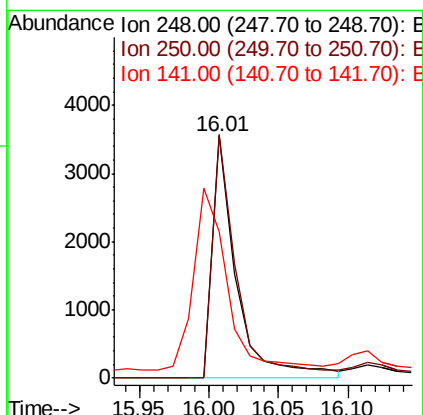
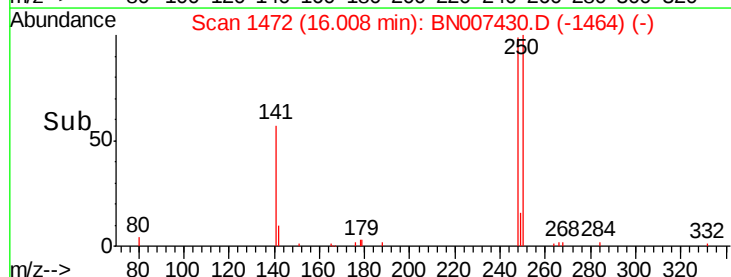
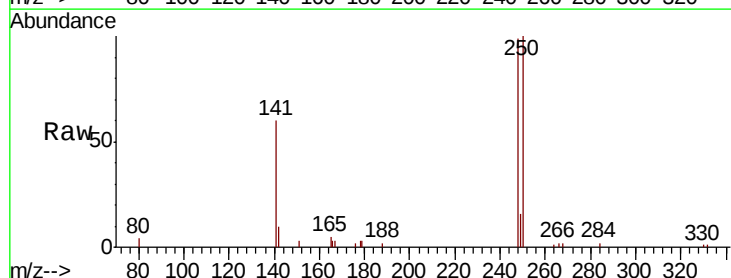
Tgt Ion:248 Resp: 4205

Ion Ratio Lower Upper

248 100

250 100.6 85.0 127.6

141 60.5 51.7 77.5





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

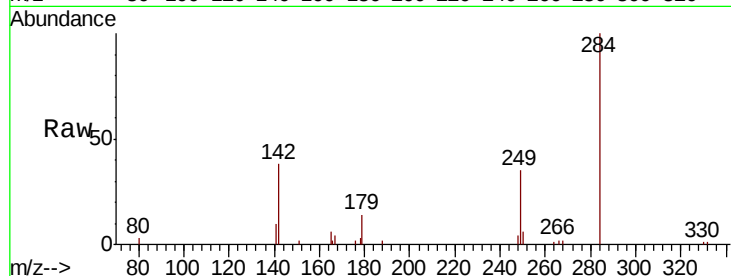
Tot Ion:284 Resp: 7016

Ion Ratio Lower Upper

284 100

142 32.6 29.0 43.6

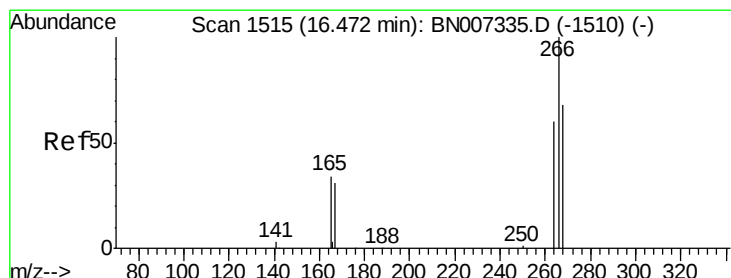
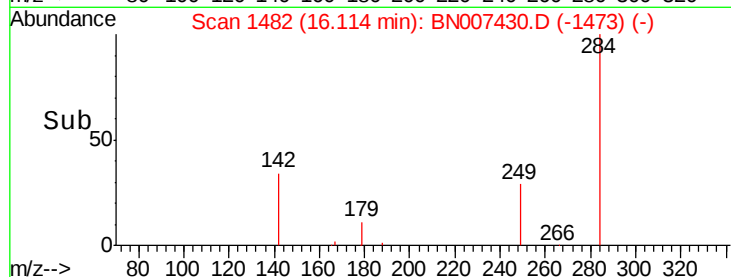
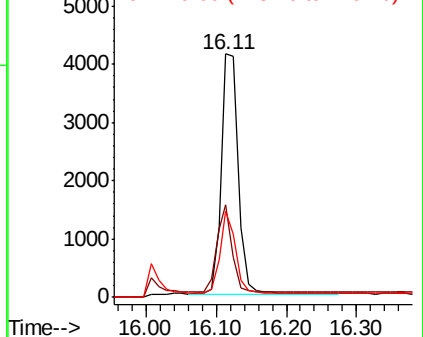
249 30.4 24.9 37.3



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: 0.362 ng

RT: 16.48 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

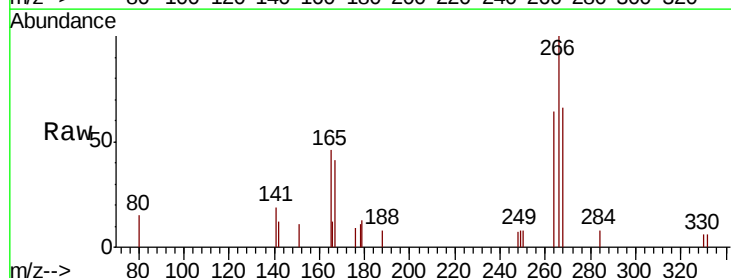
Tgt Ion:266 Resp: 2004

Ion Ratio Lower Upper

266 100

264 63.6 57.8 86.8

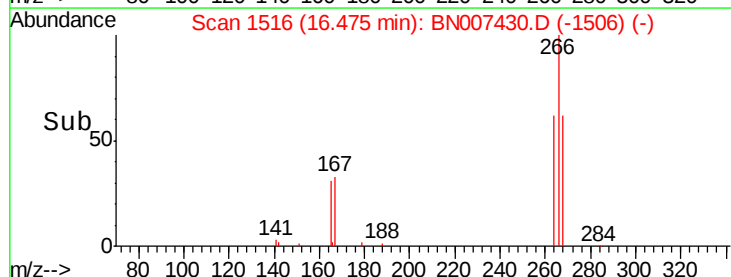
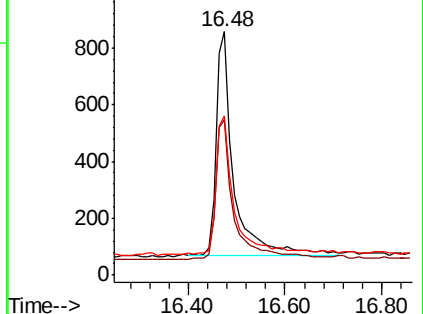
268 65.5 99.7 149.5#



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: 0.390 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

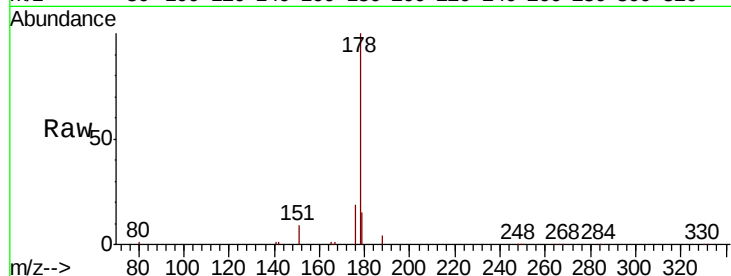
Tot Ion:178 Resp: 31235

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

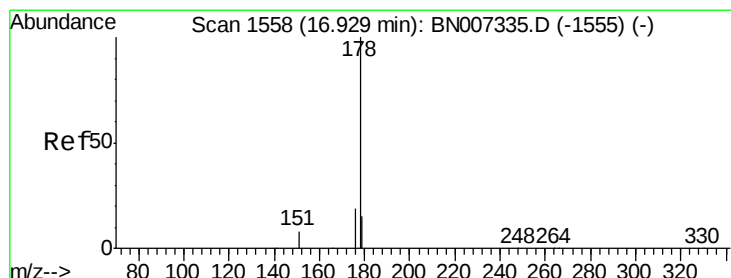
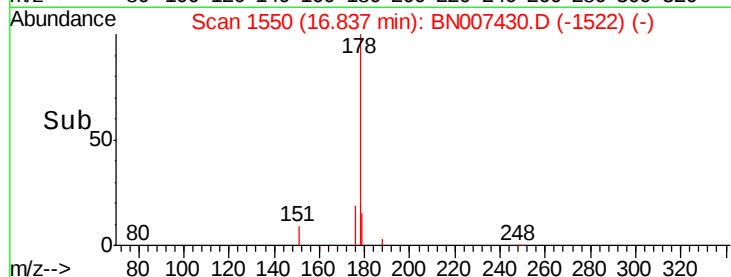
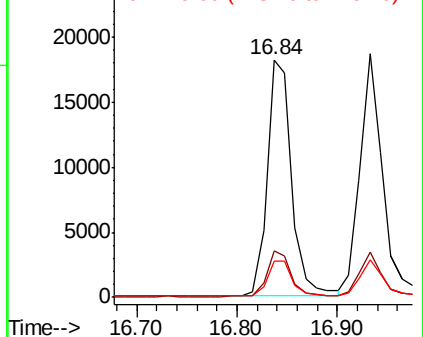
179 15.5 12.6 19.0



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: 0.363 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

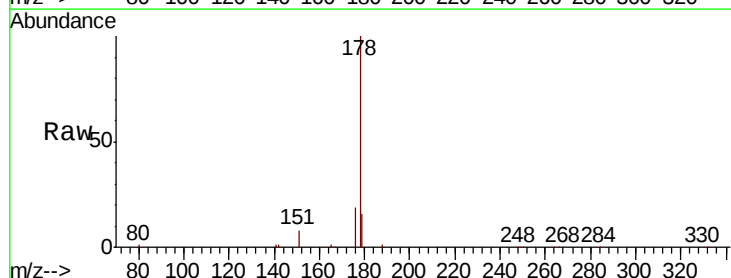
Tgt Ion:178 Resp: 29185

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

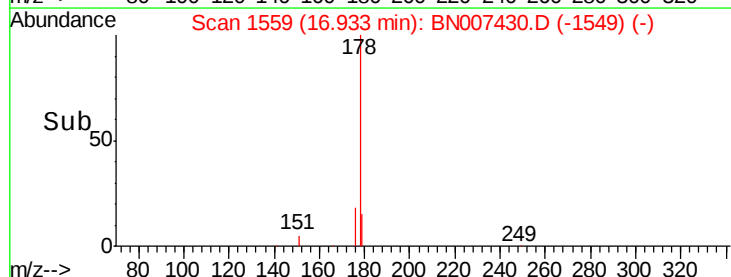
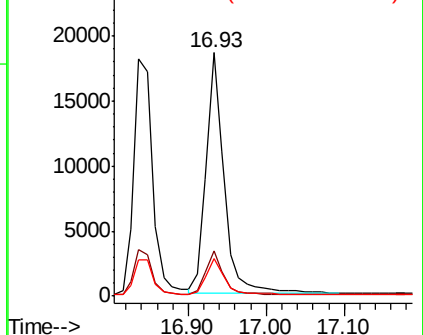
179 15.3 12.4 18.6



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: 0.385 ng

RT: 18.85 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

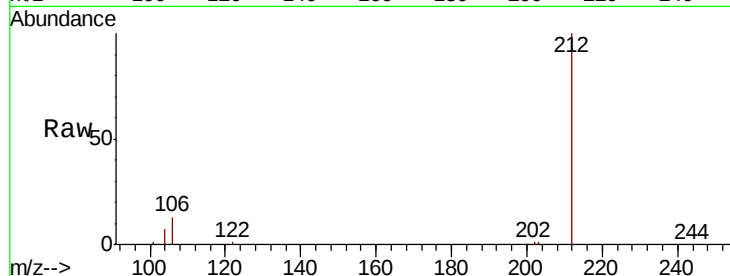
Tot Ion:212 Resp: 32969

Ion Ratio Lower Upper

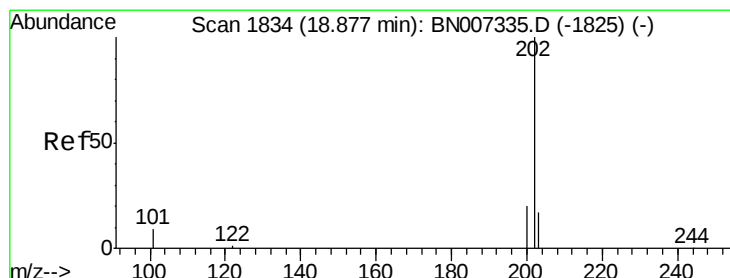
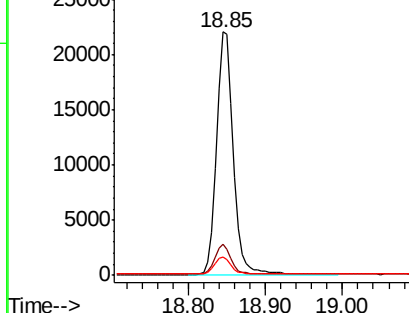
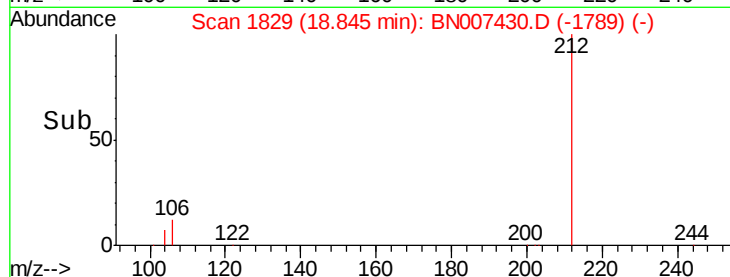
212 100

106 11.8 9.0 13.4

104 6.7 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: 0.390 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

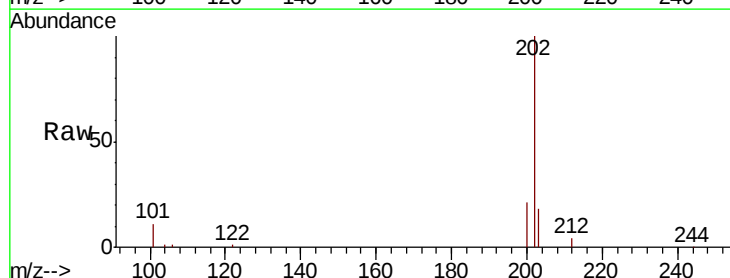
Tgt Ion:202 Resp: 40020

Ion Ratio Lower Upper

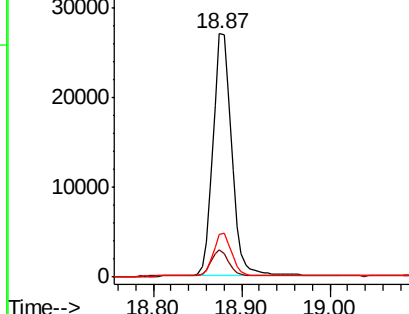
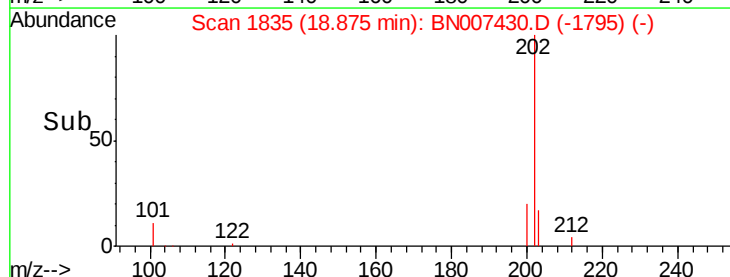
202 100

101 10.3 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: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampled :

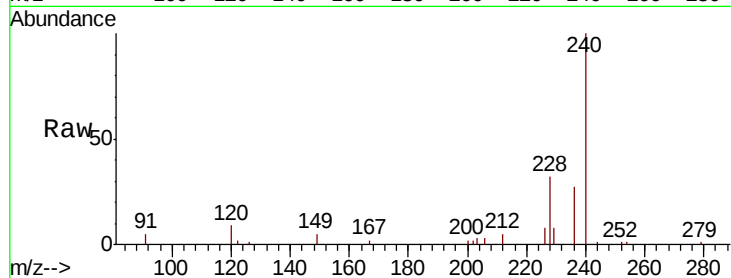
Tot Ion:240 Resp: 27524

Ion Ratio Lower Upper

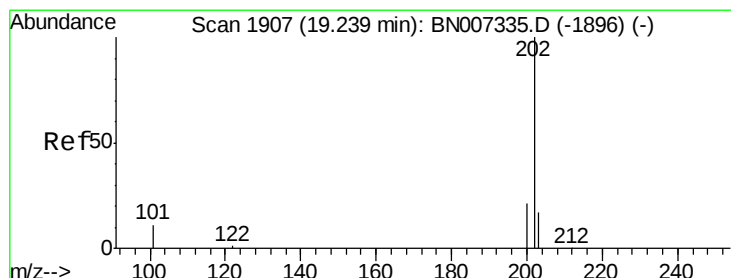
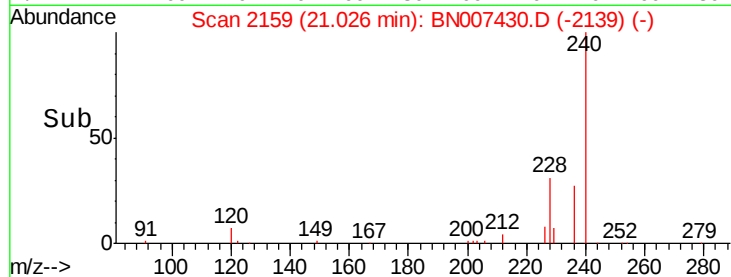
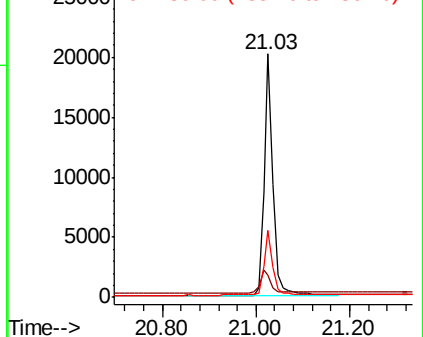
240 100

120 9.1 9.6 14.4#

236 27.3 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: 0.383 ng

RT: 19.24 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

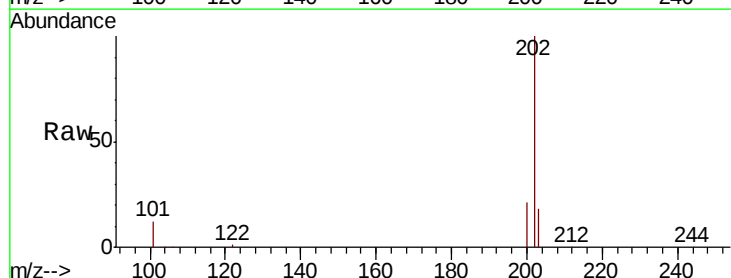
Tgt Ion:202 Resp: 42453

Ion Ratio Lower Upper

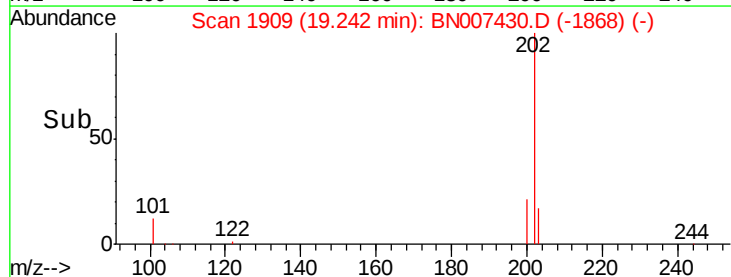
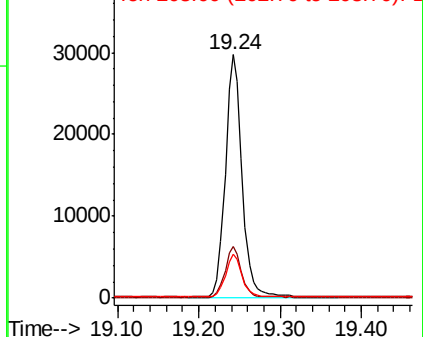
202 100

200 20.7 16.6 25.0

203 17.5 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: 0.373 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

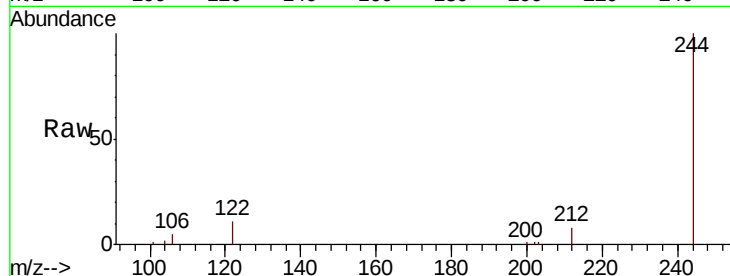
Tot Ion:244 Resp: 26843

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.6

122 11.5 9.6 14.4

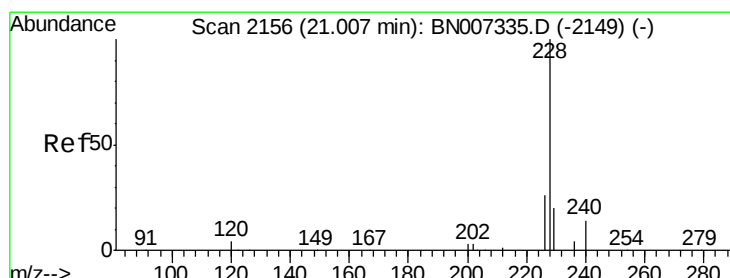
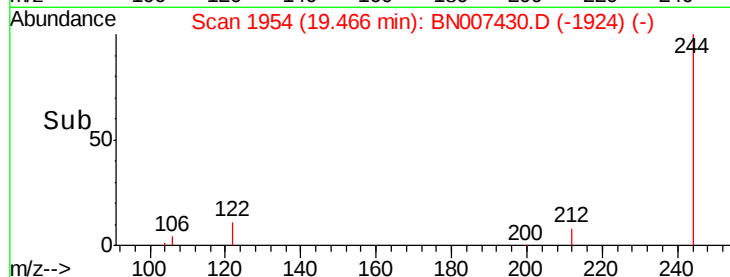
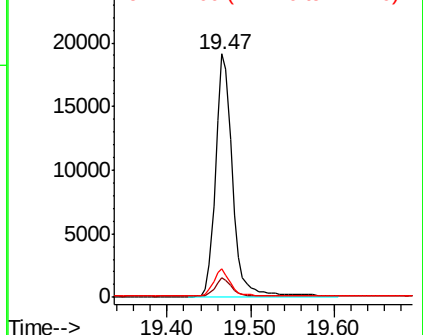


Abundance

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: 0.368 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

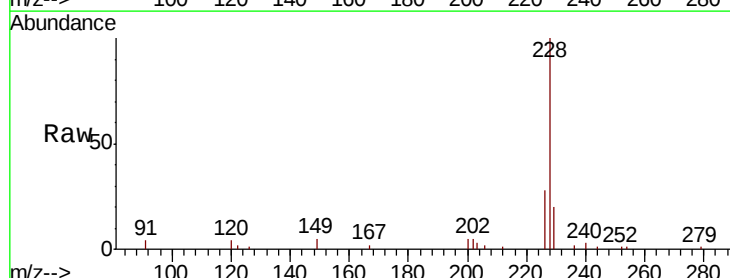
Tgt Ion:228 Resp: 39804

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

229 19.8 16.1 24.1

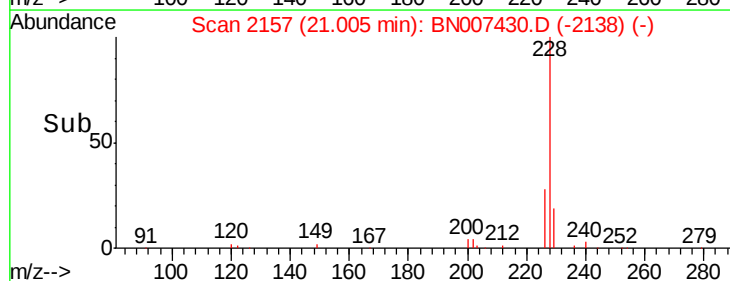
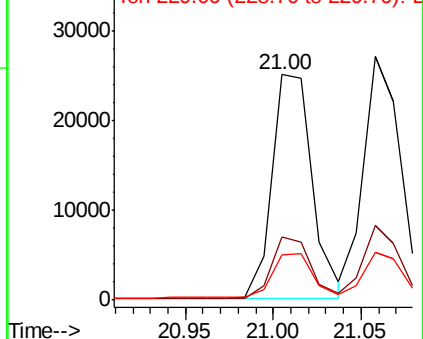


Abundance

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: 0.384 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

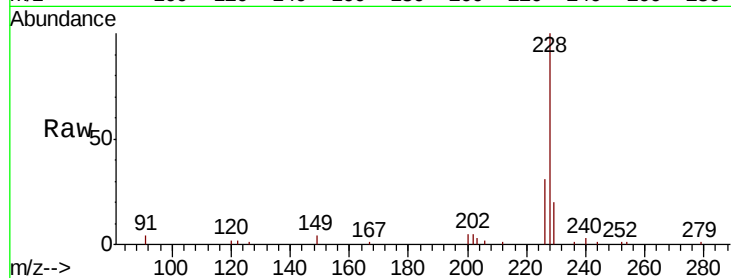
Tot Ion:228 Resp: 40103

Ion Ratio Lower Upper

228 100

226 30.9 23.5 35.3

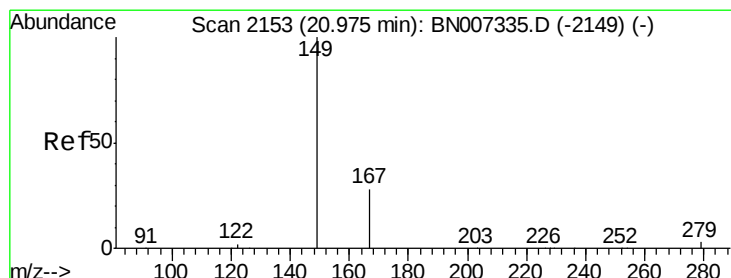
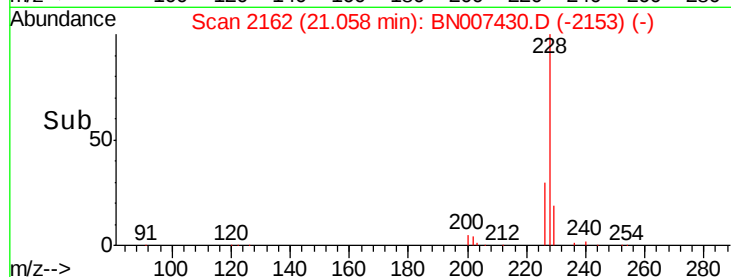
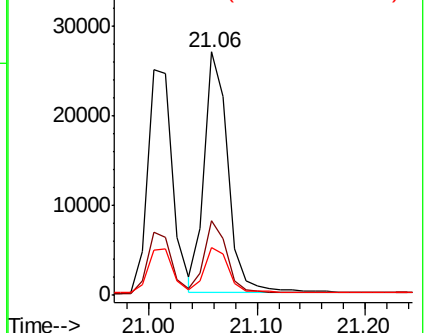
229 19.9 16.6 24.8



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: 0.383 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

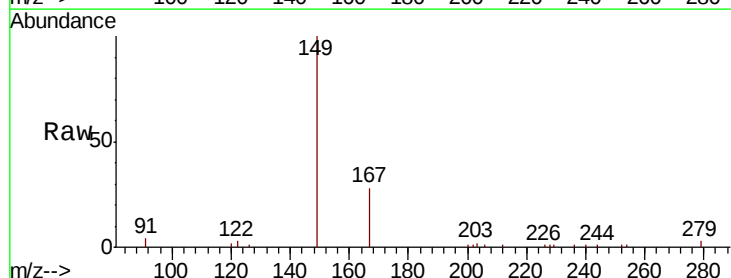
Tgt Ion:149 Resp: 28132

Ion Ratio Lower Upper

149 100

167 27.6 22.8 34.2

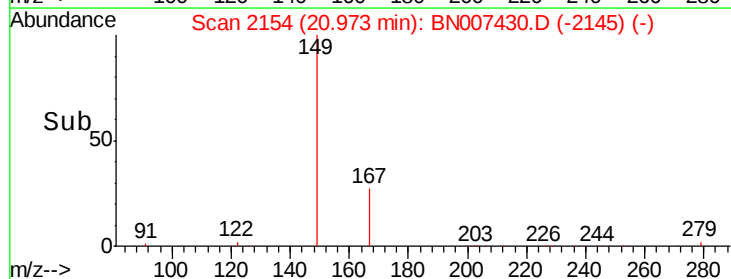
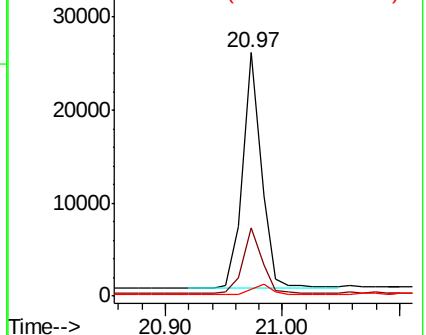
279 4.6 3.5 5.3



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

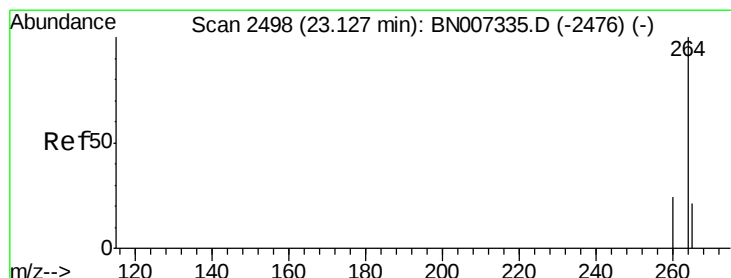
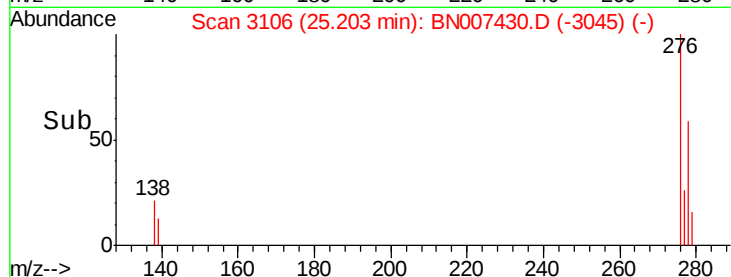
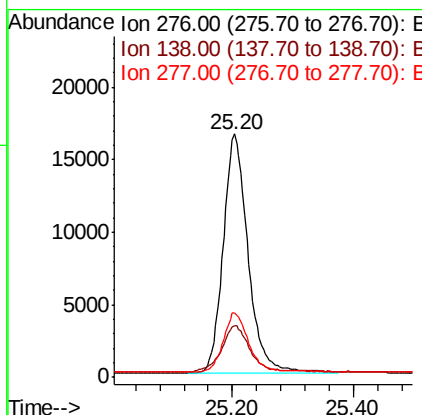
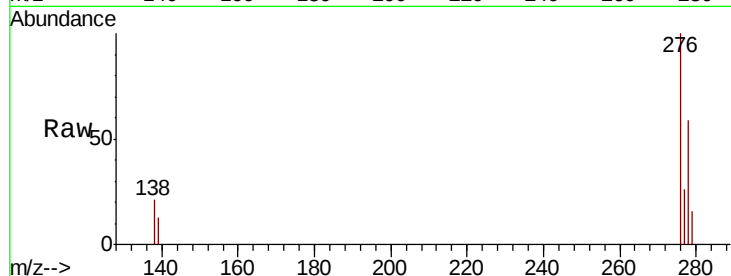




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.377 ng
RT: 25.20 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN007430.D
Acq: 27 Aug 2019 10:48

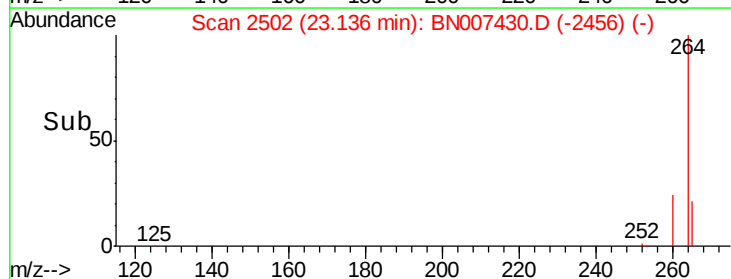
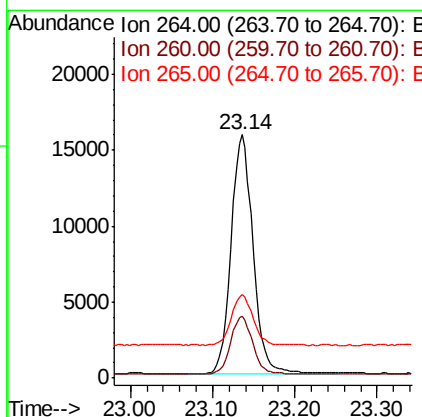
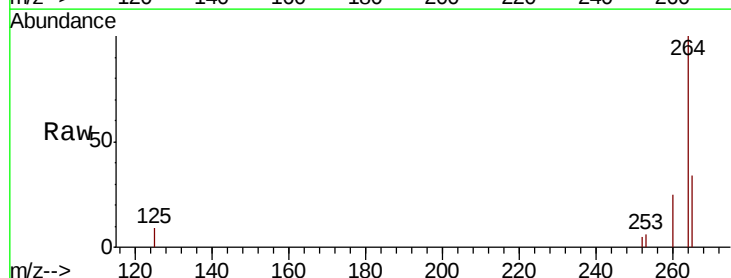
Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 47422
Ion Ratio Lower Upper
276 100
138 21.1 15.1 22.7
277 25.0 19.7 29.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BN007430.D
Acq: 27 Aug 2019 10:48

Tgt Ion:264 Resp: 29247
Ion Ratio Lower Upper
264 100
260 25.4 19.7 29.5
265 34.3 29.9 44.9





#35

Benzo(b)fluoranthene

Concen: 0.387 ng

RT: 22.52 min Scan# 2321

Delta R.T. 0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :

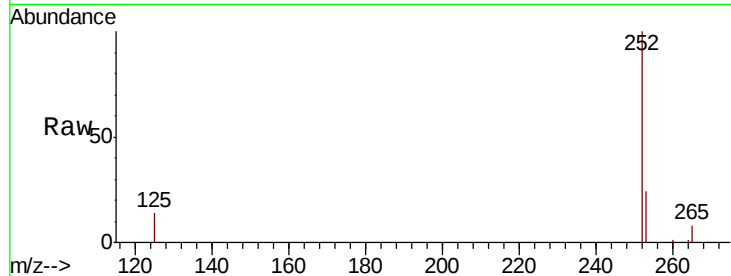
Tot Ion:252 Resp: 41037

Ion Ratio Lower Upper

252 100

253 24.4 19.2 28.8

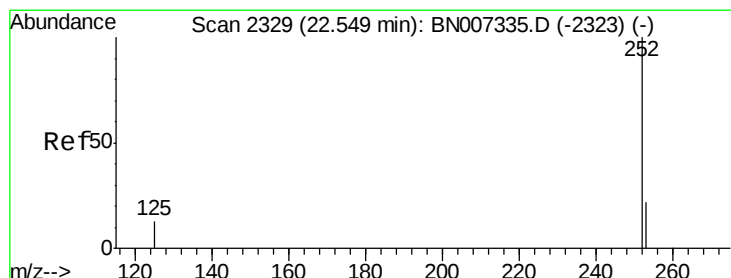
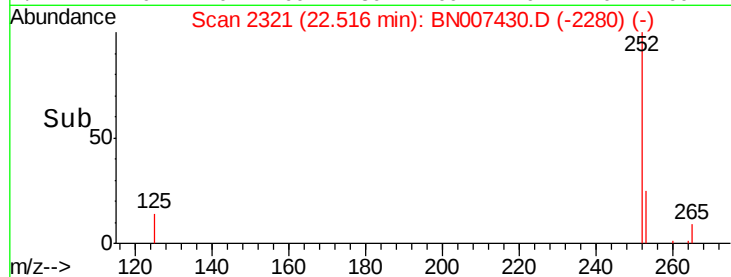
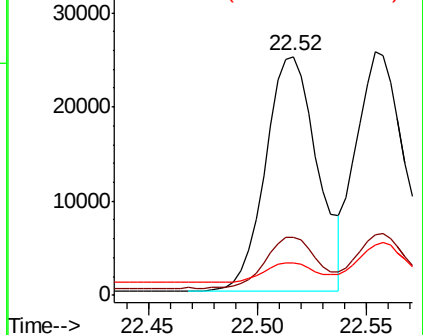
125 13.6 10.6 16.0



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: 0.392 ng

RT: 22.52 min Scan# 2321

Delta R.T. -0.03 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

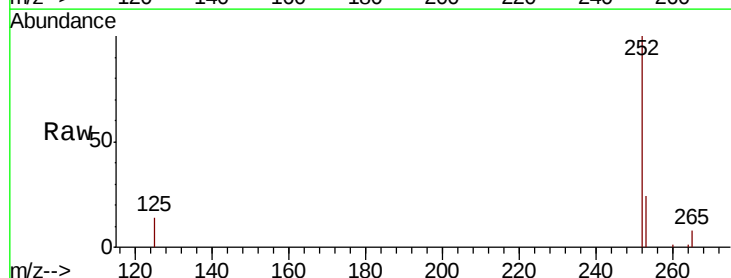
Tgt Ion:252 Resp: 41037

Ion Ratio Lower Upper

252 100

253 24.4 19.4 29.2

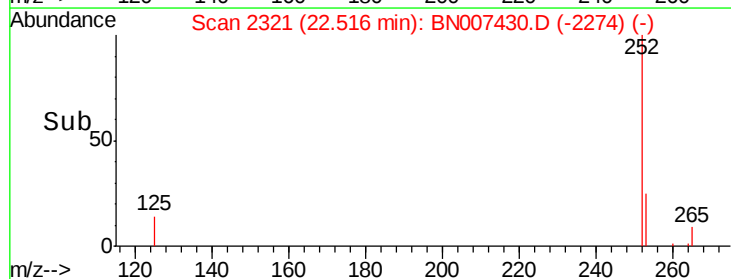
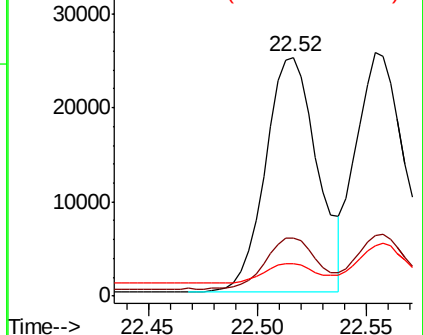
125 13.6 13.1 19.7



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: 0.384 ng

RT: 23.04 min Scan# 2475

Delta R.T. 0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampled :

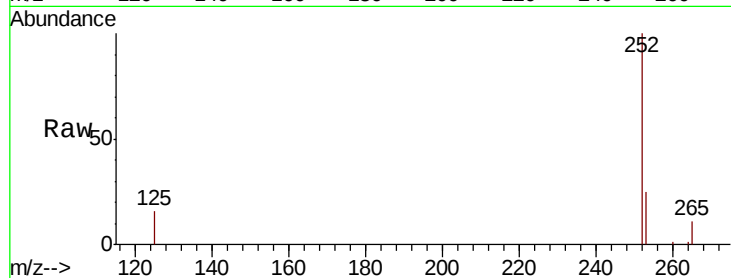
Tot Ion:252 Resp: 38731

Ion Ratio Lower Upper

252 100

253 25.2 19.5 29.3

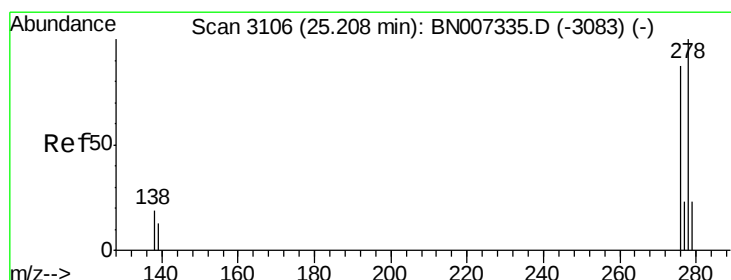
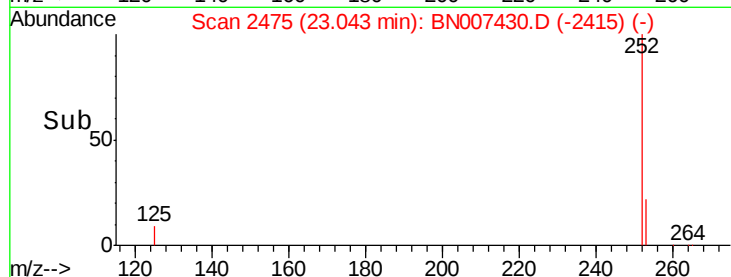
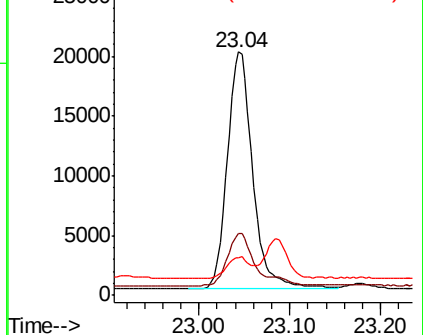
125 15.6 12.1 18.1



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: 0.383 ng

RT: 25.22 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

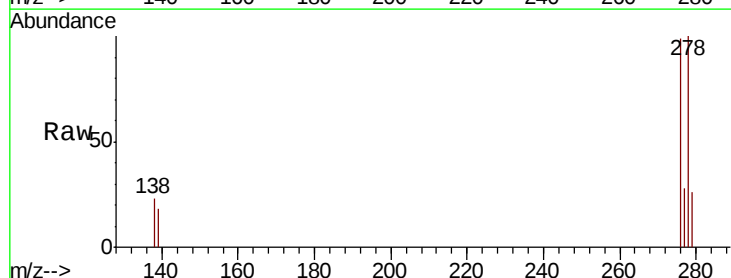
Tgt Ion:278 Resp: 38499

Ion Ratio Lower Upper

278 100

139 18.2 13.7 20.5

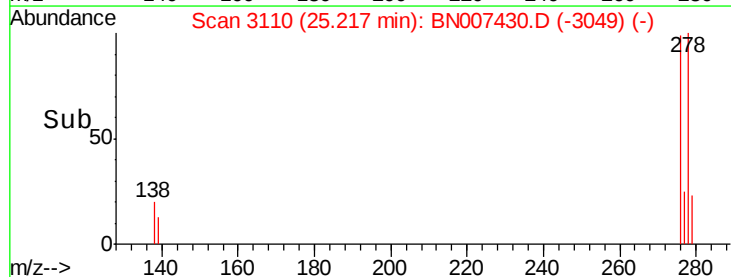
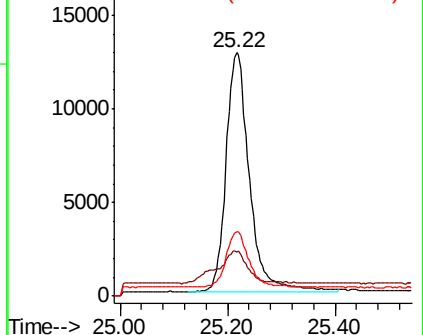
279 26.4 20.2 30.4



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: 0.386 ng

RT: 25.83 min Scan# 3289

Delta R.T. 0.01 min

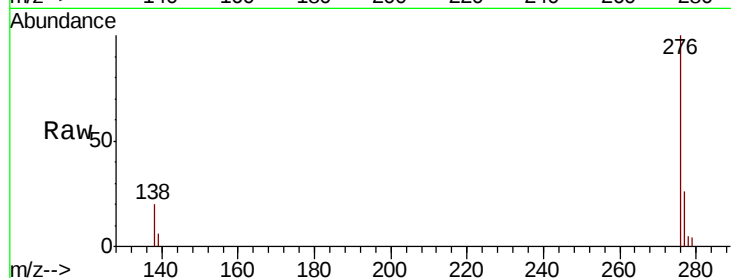
Lab File: BN007430.D

Acq: 27 Aug 2019 10:48

Instrument :

BNA_N

ClientSampleId :



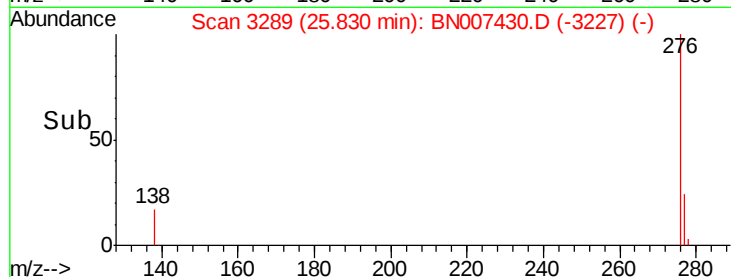
Tot Ion: 276 Resp: 38652

Ion Ratio Lower Upper

276 100

277 26.3 19.6 29.4

138 19.6 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

