

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\
 Data File : BN007570.D
 Acq On : 09 Sep 2019 03:01
 Operator : HP/JU
 Sample : K4762-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 09 04:49:16 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	7.40	152	6563	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	48721	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	61914	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	30003	0.40	ng	0.00
27) Chrysene-d12	21.03	240	44384	0.40	ng	0.00
34) Perylene-d12	23.13	264	58208	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	9038	0.40	ng	0.00
5) Phenol-d6	6.59	99	12601	0.44	ng	0.00
8) Nitrobenzene-d5	8.52	82	20330	0.48	ng	-0.01
11) 2-Methylnaphthalene-d10	11.76	152	30856	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3540	0.11	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	20105	0.08	ng	0.00
25) Fluoranthene-d10	18.85	212	40145	0.42	ng	0.00
29) Terphenyl-d14	19.46	244	46678	0.40	ng	-0.01

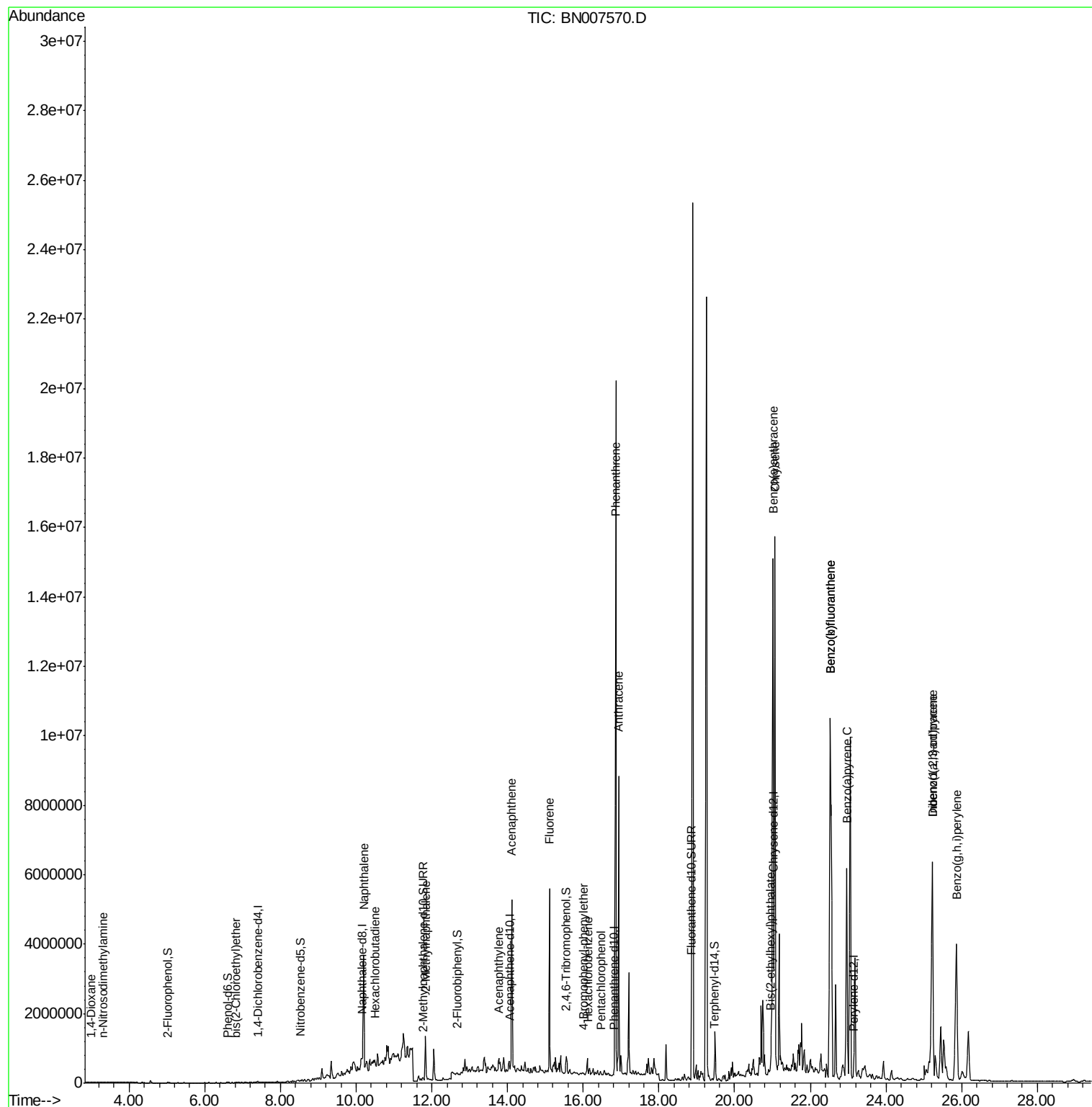
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	2979	0.273	ng	# 74
3) n-Nitrosodimethylamine	3.30	42	1941	0.383	ng	# 81
6) bis(2-Chloroethyl)ether	6.83	93	10789	0.455	ng	# 89
9) Naphthalene	10.20	128	4473115	32.129	ng	# 89
10) Hexachlorobutadiene	10.51	225	5373	0.188	ng	# 99
12) 2-Methylnaphthalene	11.83	142	923591	9.740	ng	95
16) Acenaphthylene	13.77	152	599500	1.637	ng	# 70
17) Acenaphthene	14.11	154	2553135	11.912	ng	97
18) Fluorene	15.10	166	3557782	13.124	ng	97
20) 4-Bromophenyl-phenylether	16.01	248	23213	1.962	ng	# 1
21) Hexachlorobenzene	16.12	284	9565	0.476	ng	# 73
22) Pentachlorophenol	16.48	266	8356	1.337	ng	# 49
23) Phenanthrene	16.85	178	20796410	230.438	ng	# 81
24) Anthracene	16.94	178	8786792	96.798	ng	# 95
30) Benzo(a)anthracene	21.02	228	16645597	95.496	ng	# 86
31) Chrysene	21.07	228	12826405	76.236	ng	# 86
32) Bis(2-ethylhexyl)phthalate	20.96	149	231186	2.031	ng	100
33) Indeno(1,2,3-cd)pyrene	25.23	276	9991970	49.299	ng	100
35) Benzo(b)fluoranthene	22.53	252	18985379	90.020	ng	97
36) Benzo(k)fluoranthene	22.53	252	18985379	91.084	ng	# 94
37) Benzo(a)pyrene	22.96	252	8704152	43.370	ng	99
38) Dibenzo(a,h)anthracene	25.22	278	2685957	13.413	ng	98
39) Benzo(g,h,i)perylene	25.86	276	8594255	43.074	ng	99

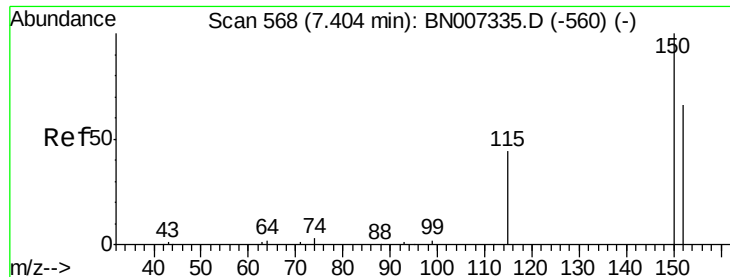
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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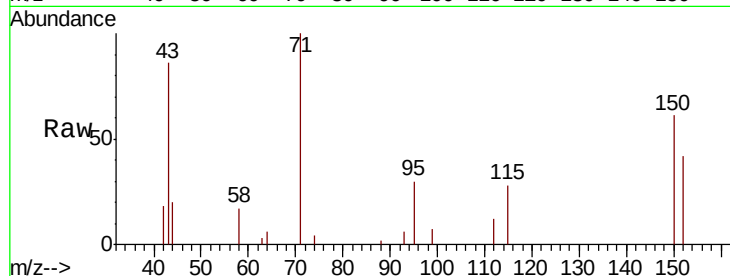


#1

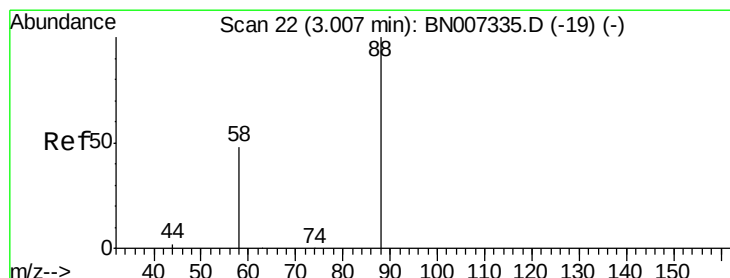
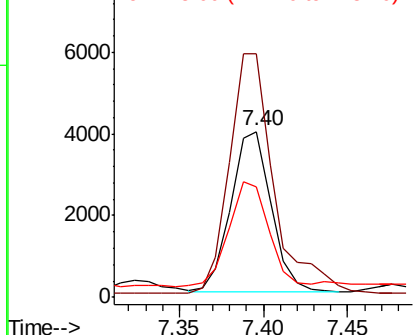
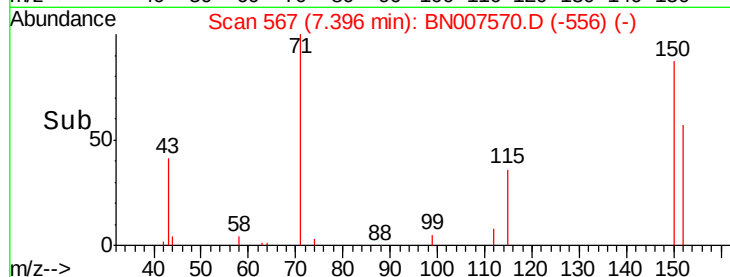
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 6563
Ion Ratio Lower Upper
152 100
150 146.5 109.1 163.7
115 66.7 59.6 89.4



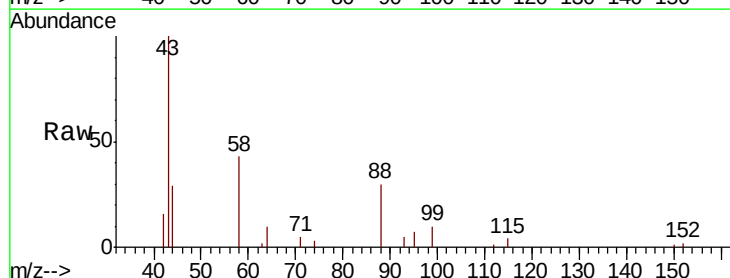
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



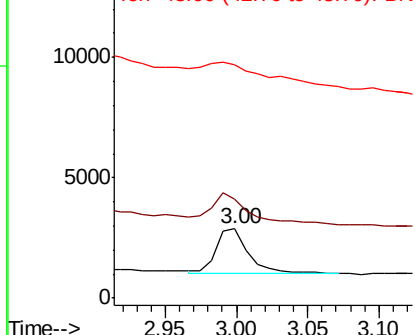
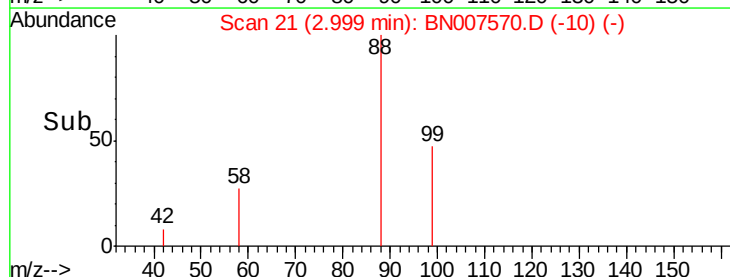
#2

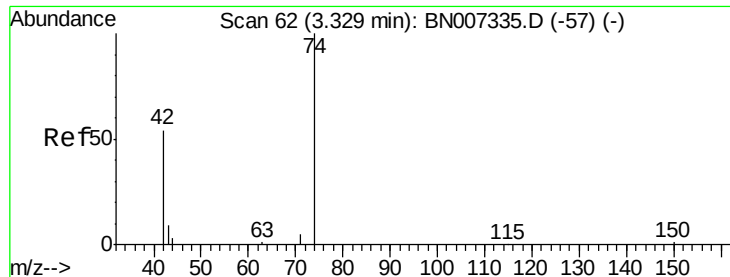
1,4-Dioxane
Concen: 0.273 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

Tgt Ion: 88 Resp: 2979
Ion Ratio Lower Upper
88 100
58 83.0 50.5 75.7#
43 89.1 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: 0.383 ng

RT: 3.30 min Scan# 59

Delta R.T. -0.02 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

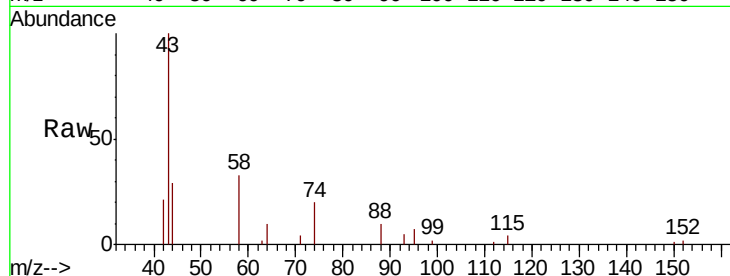
Tot Ion: 42 Resp: 1941

Ion Ratio Lower Upper

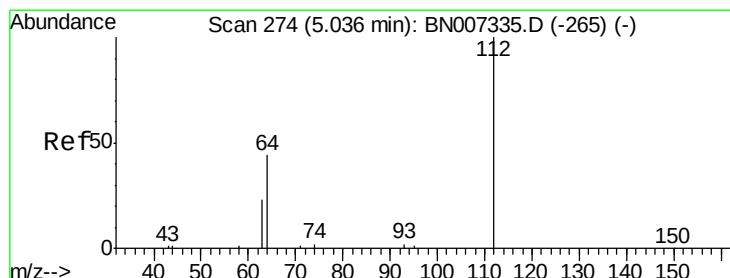
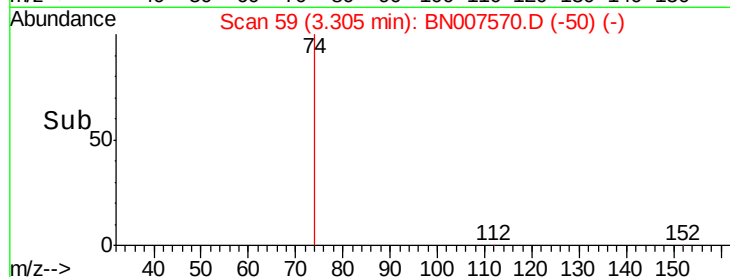
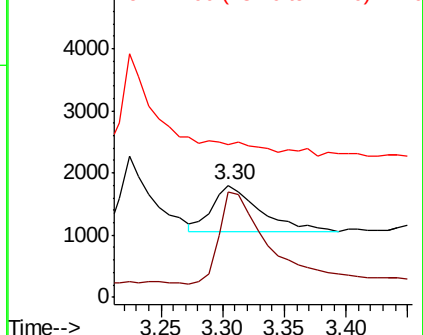
42 100

74 208.1 144.7 217.1

44 0.0 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: 0.396 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

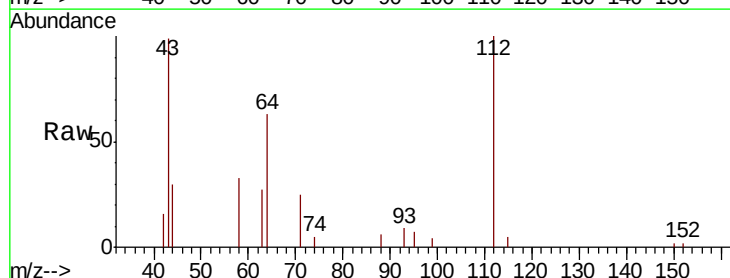
Tgt Ion: 112 Resp: 9038

Ion Ratio Lower Upper

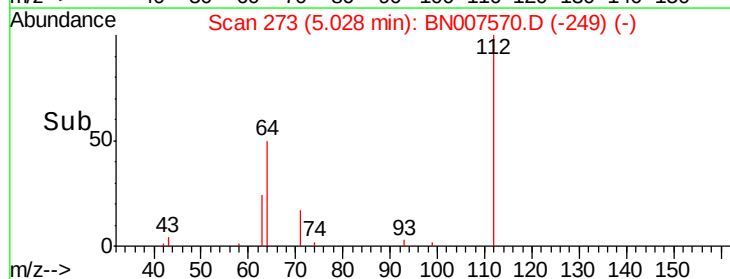
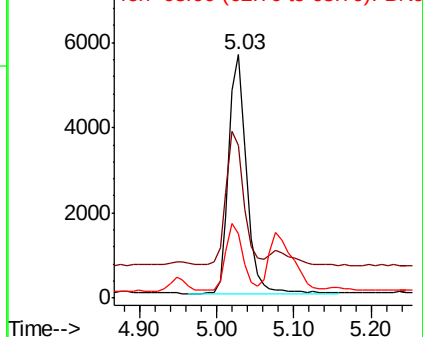
112 100

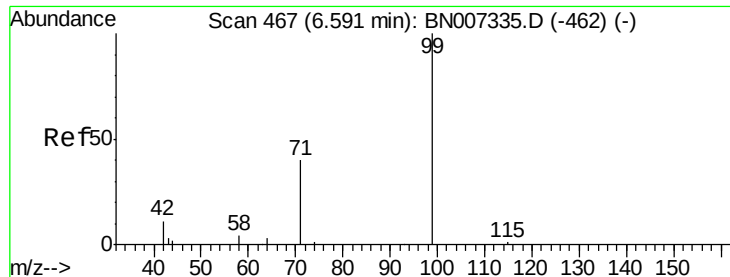
64 54.4 42.3 63.5

63 26.6 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: 0.438 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampled :

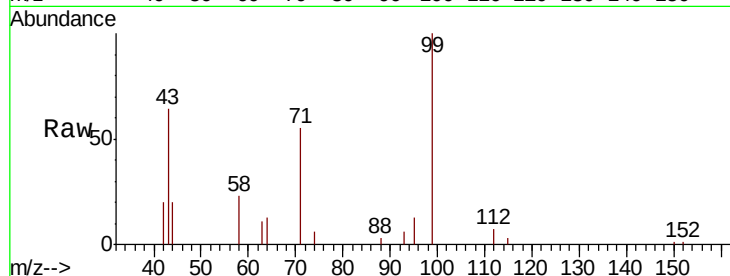
Tot Ion: 99 Resp: 12601

Ion Ratio Lower Upper

99 100

42 17.6 11.2 16.8#

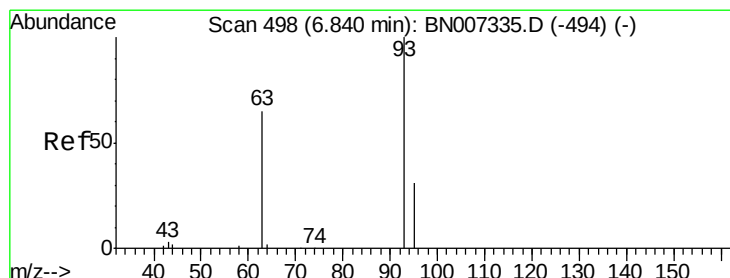
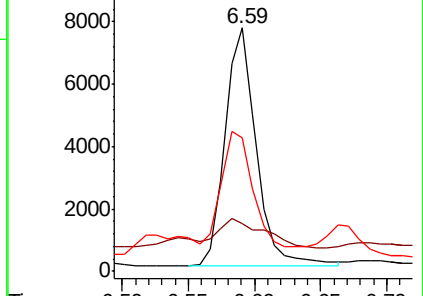
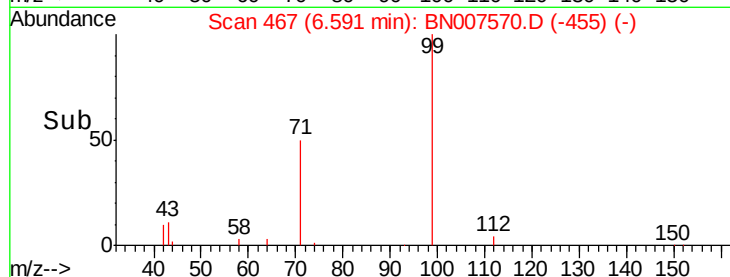
71 56.2 31.8 47.8#



Abundance Ion 99.00 (98.70 to 99.70): BN007570.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007570.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007570.D (-455) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.455 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

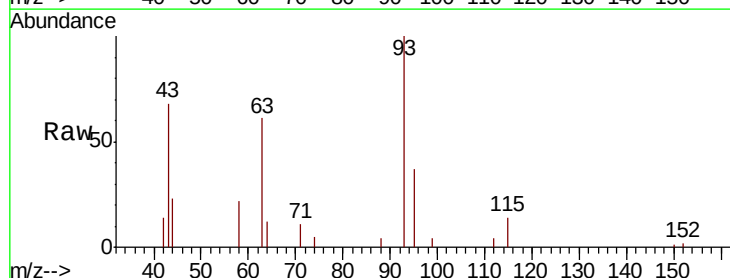
Tgt Ion: 93 Resp: 10789

Ion Ratio Lower Upper

93 100

63 64.0 51.9 77.9

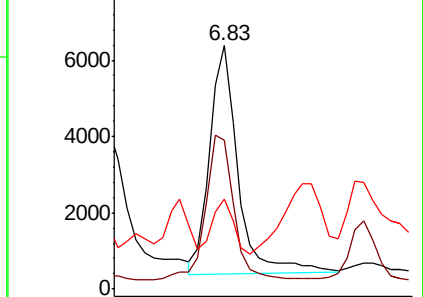
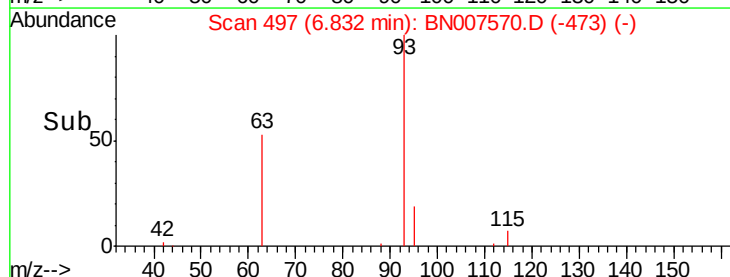
95 17.4 27.7 41.5#

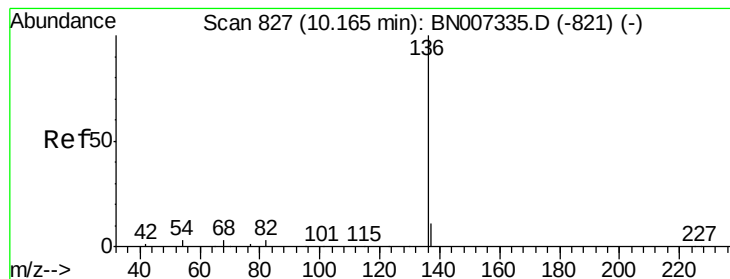


Abundance Ion 93.00 (92.70 to 93.70): BN007570.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007570.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007570.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 48721

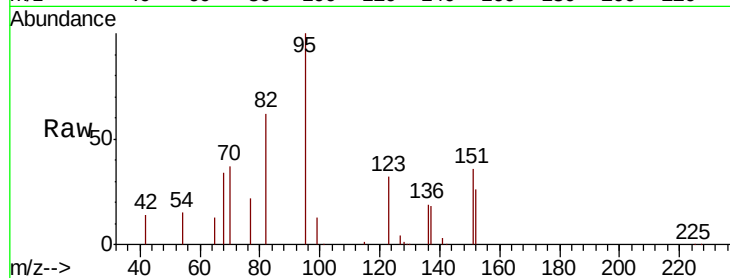
Ion Ratio Lower Upper

136 100

137 96.0 12.9 19.3#

54 78.0 8.6 12.8#

68 181.2 17.0 25.4#



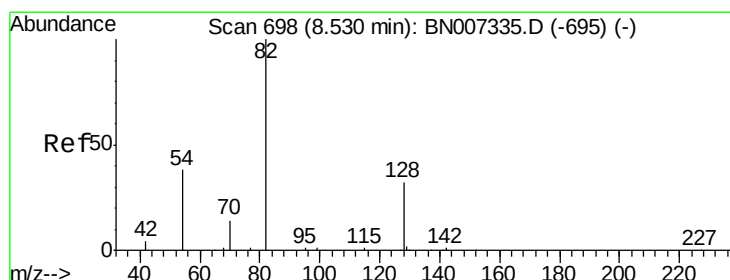
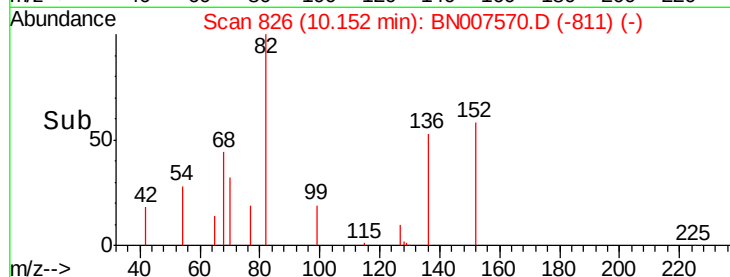
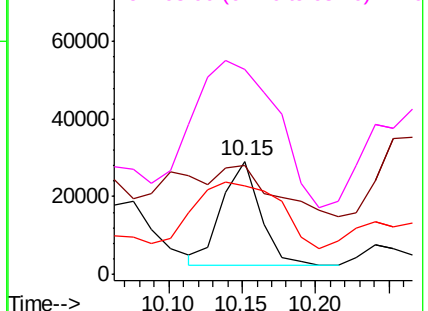
Abundance

Ion 136.00 (135.70 to 136.70): B

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: 0.479 ng

RT: 8.52 min Scan# 697

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

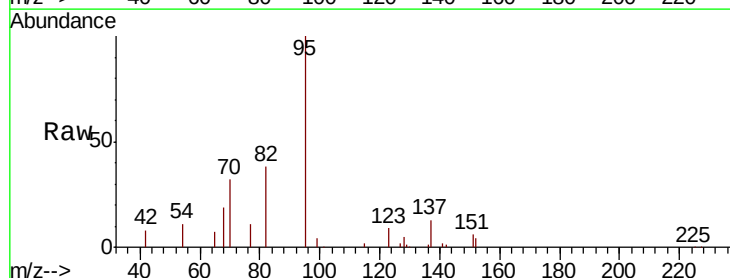
Tgt Ion: 82 Resp: 20330

Ion Ratio Lower Upper

82 100

128 12.5 19.7 29.5#

54 28.2 25.8 38.6

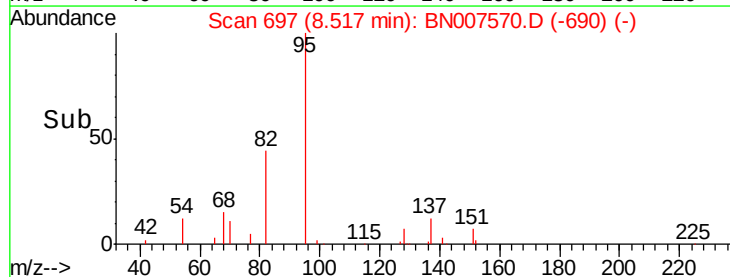
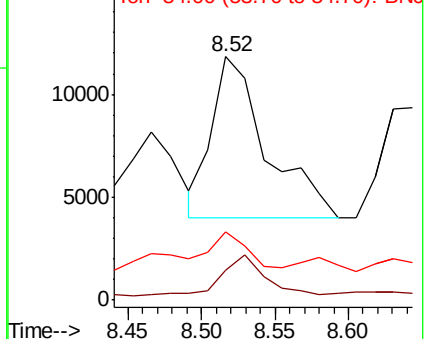


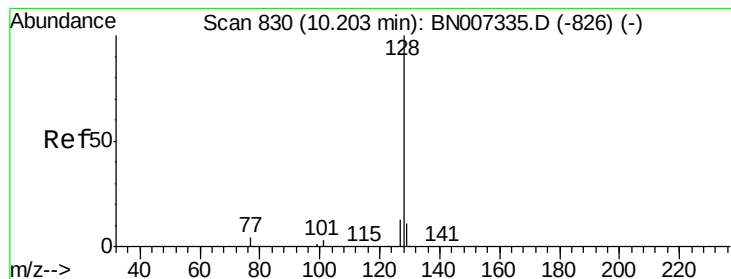
Abundance

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: 32.129 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

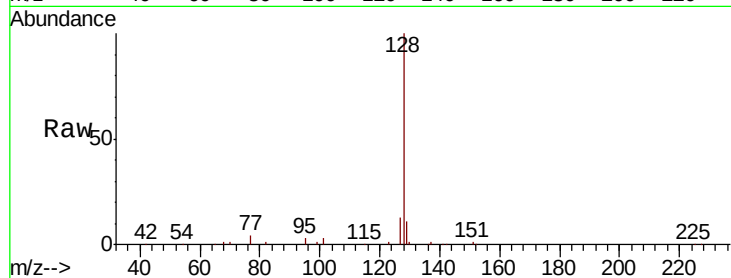
Tot Ion:128 Resp: 4473115

Ion Ratio Lower Upper

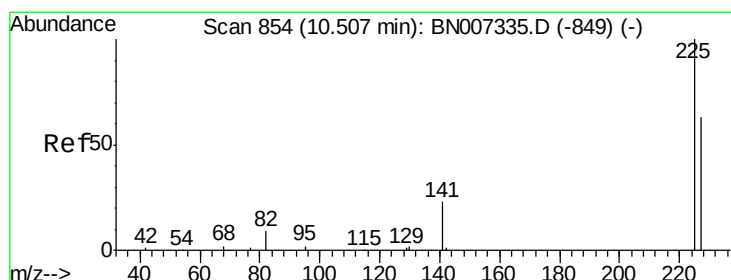
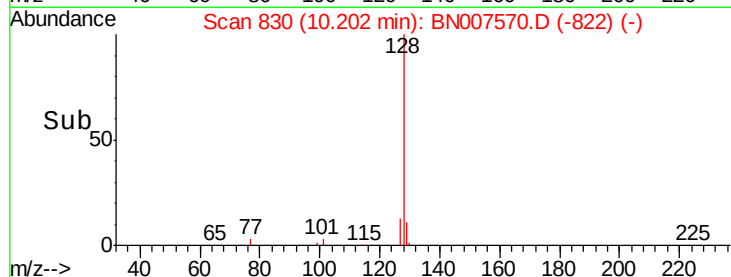
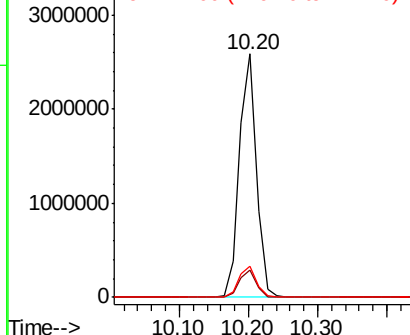
128 100

129 11.4 11.1 16.7

127 12.9 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: 0.188 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

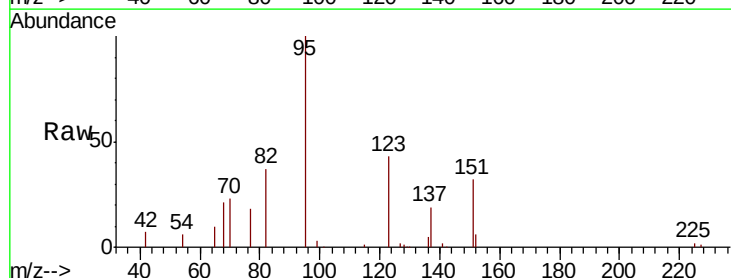
Tgt Ion:225 Resp: 5373

Ion Ratio Lower Upper

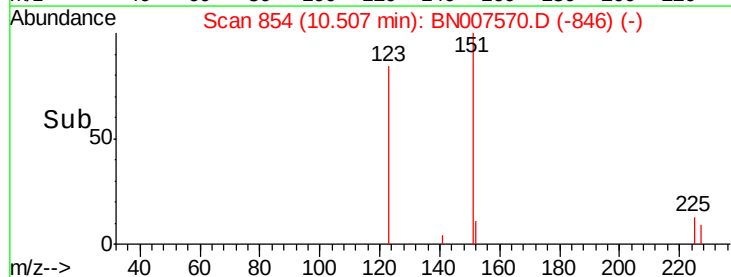
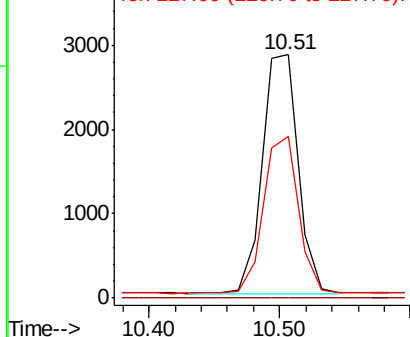
225 100

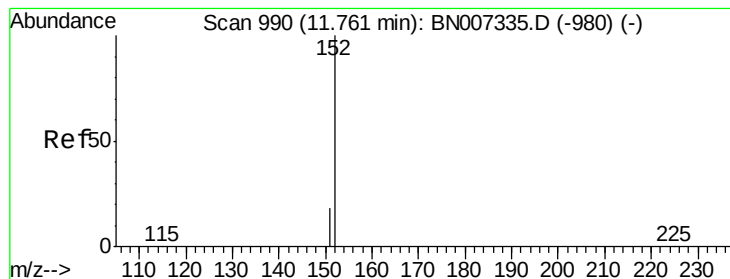
223 0.0 0.0 0.0

227 64.0 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.381 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

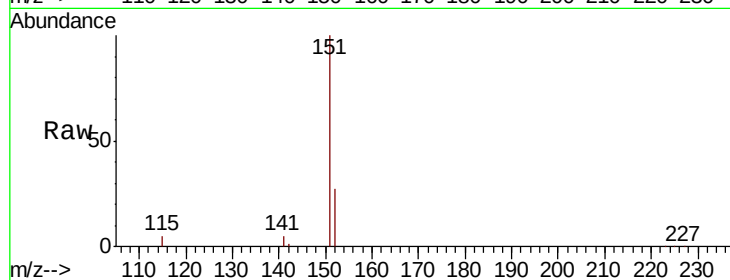
ClientSampleId :

Tot Ion:152 Resp: 30856

Ion Ratio Lower Upper

152 100

151 504.7 16.2 24.2#



Abundance Ion 152.00 (151.70 to 152.70): E

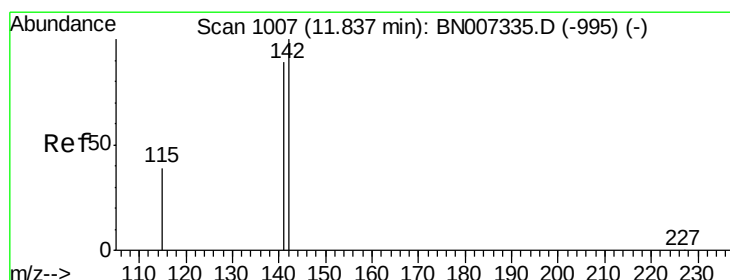
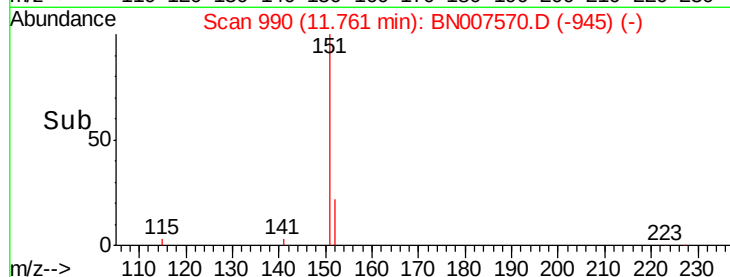
Ion 151.00 (150.70 to 151.70): E

100000

50000

11.76

Time--> 11.70 11.75 11.80



#12

2-Methylnaphthalene

Concen: 9.740 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

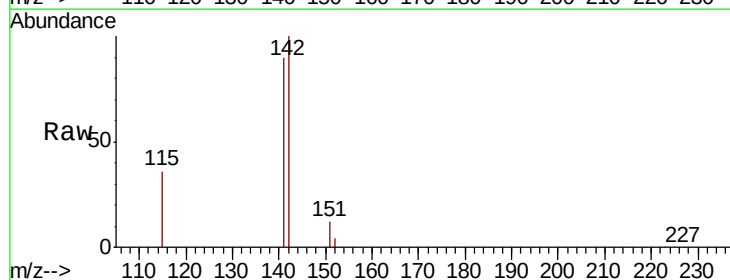
Tgt Ion:142 Resp: 923591

Ion Ratio Lower Upper

142 100

141 90.1 72.8 109.2

115 36.0 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

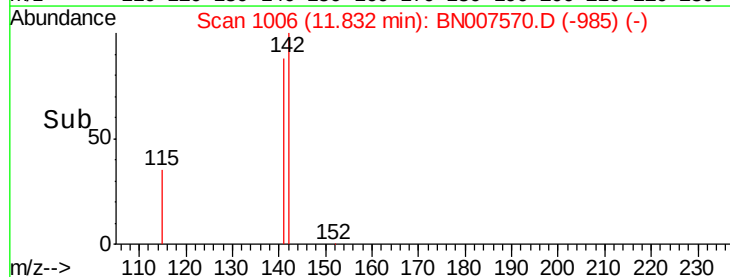
600000

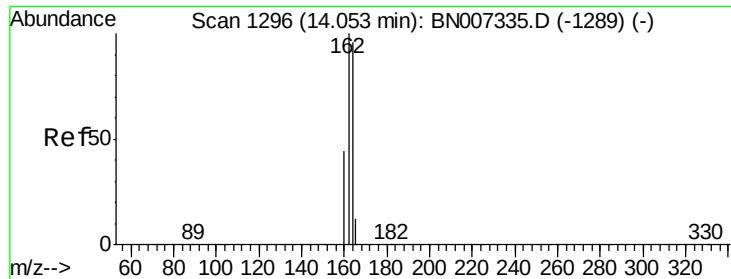
400000

200000

11.83

Time--> 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: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampled :

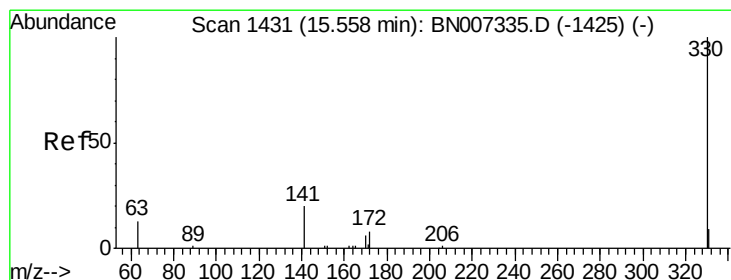
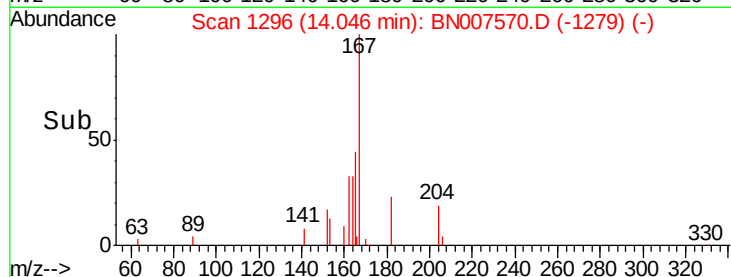
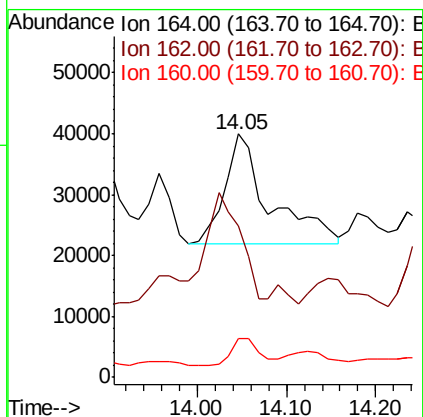
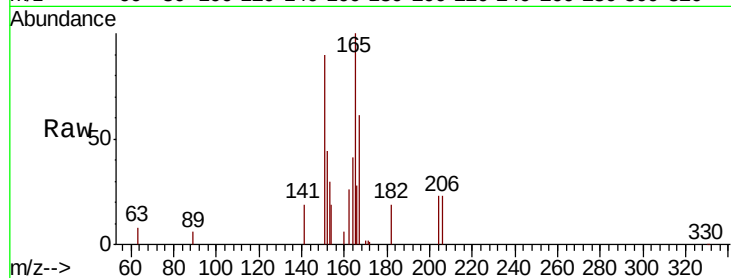
Tot Ion:164 Resp: 61914

Ion Ratio Lower Upper

164 100

162 62.0 83.5 125.3#

160 15.8 38.2 57.4#



#14

2,4,6-Tribromophenol

Concen: 0.109 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

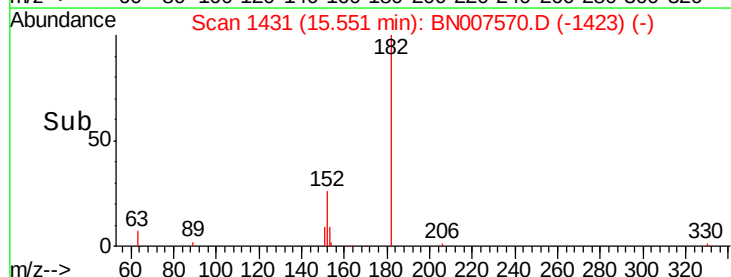
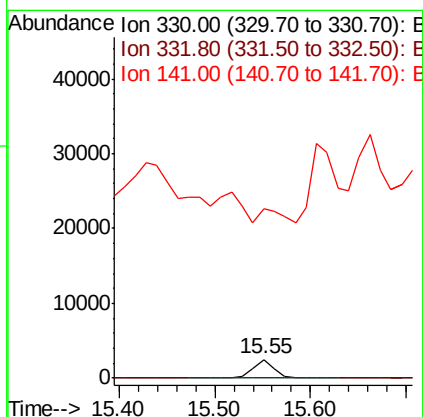
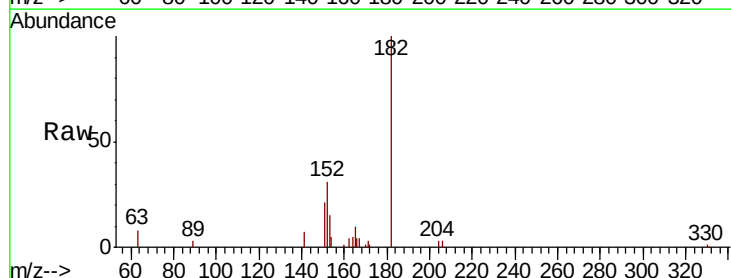
Tgt Ion:330 Resp: 3540

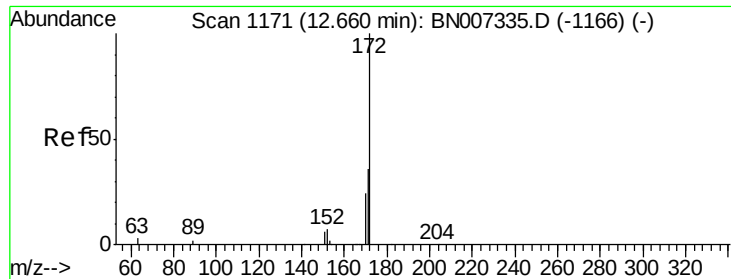
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 83.0 26.9 40.3#

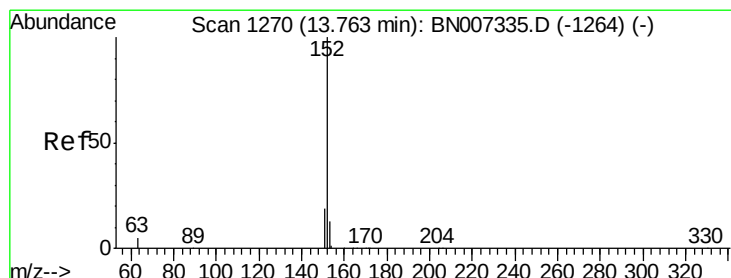
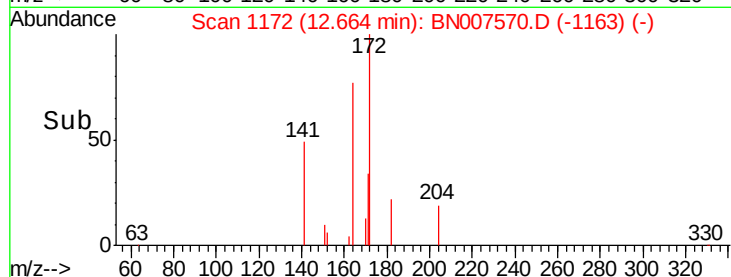
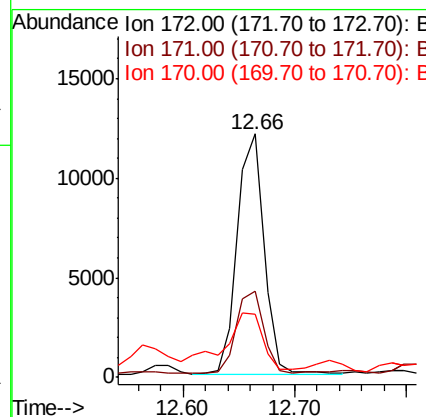
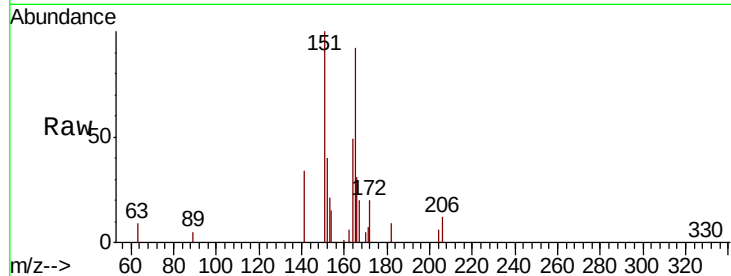




#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

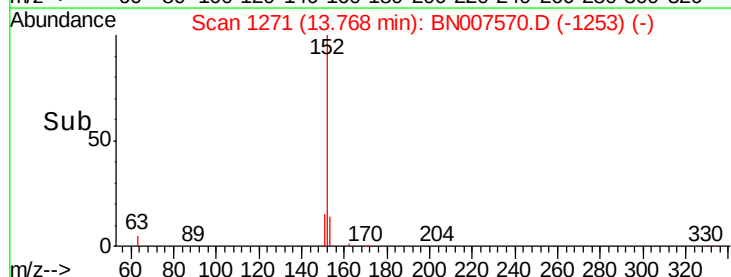
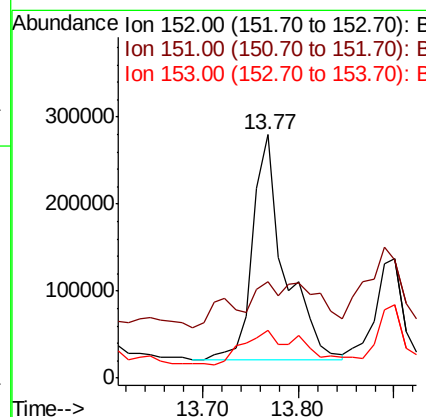
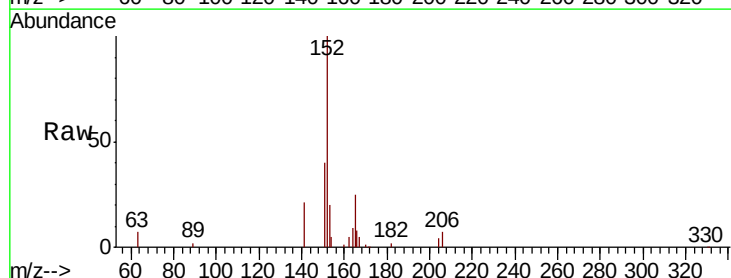
Instrument :
BNA_N
ClientSampleId :

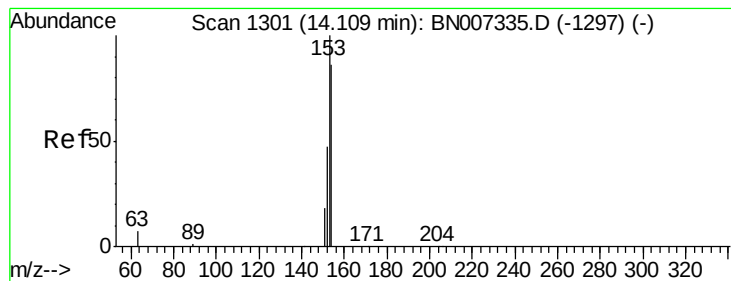
Tot Ion:172 Resp: 20105
Ion Ratio Lower Upper
172 100
171 35.4 30.3 45.5
170 26.0 20.7 31.1



#16
Acenaphthylene
Concen: 1.637 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

Tgt Ion:152 Resp: 599500
Ion Ratio Lower Upper
152 100
151 9.2 16.1 24.1#
153 29.1 10.6 15.8#





#17

Acenaphthene

Concen: 11.912 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

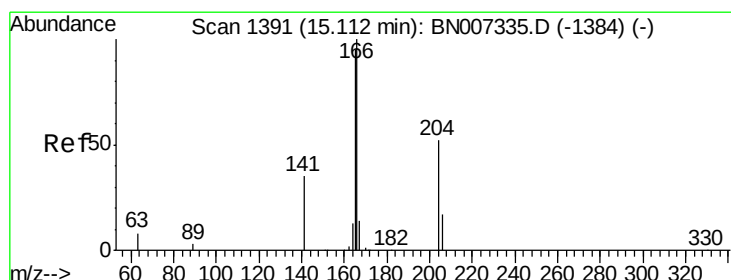
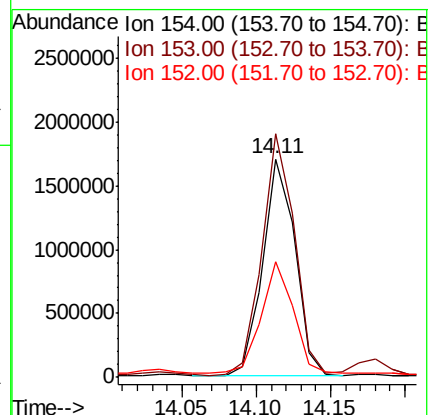
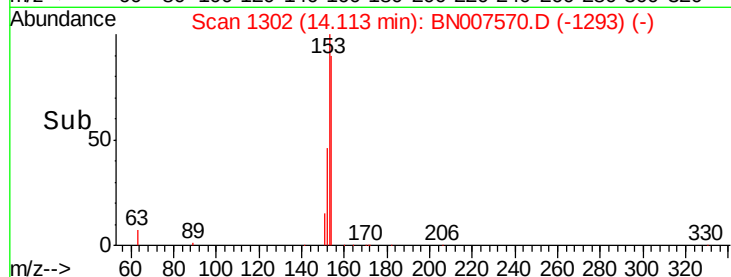
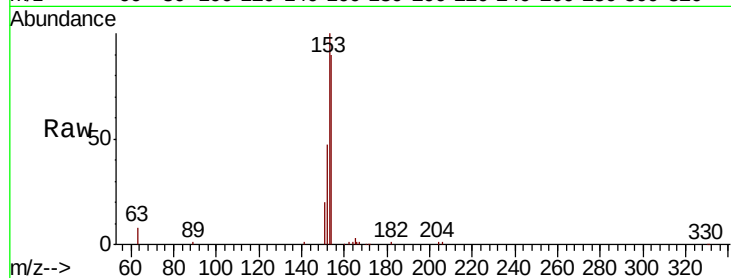
Instrument :

BNA_N

ClientSampled :

Tot Ion:154 Resp: 2553135

Ion	Ratio	Lower	Upper
154	100		
153	112.1	92.8	139.2
152	54.2	43.8	65.8



#18

Fluorene

Concen: 13.124 ng

RT: 15.10 min Scan# 1391

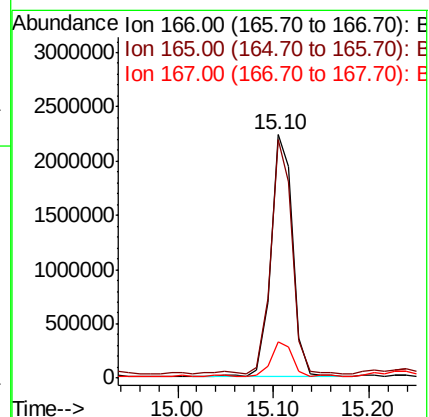
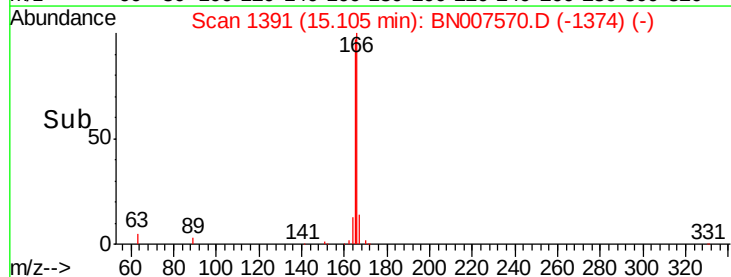
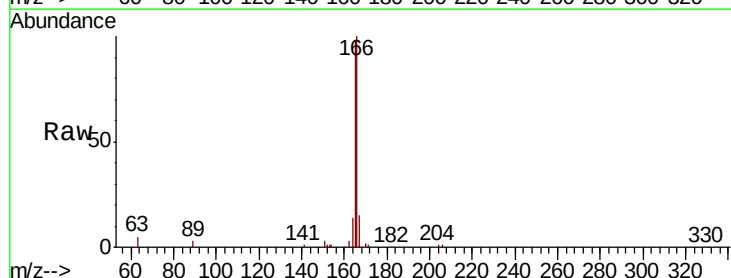
Delta R.T. -0.01 min

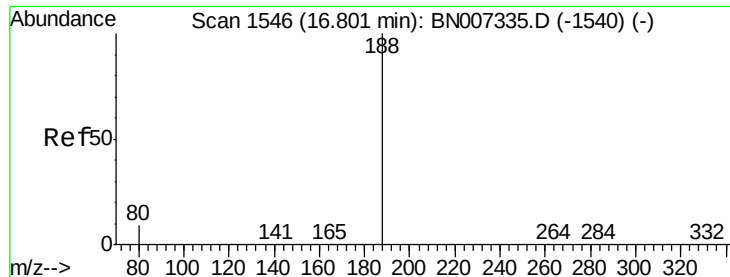
Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Tgt Ion:166 Resp: 3557782

Ion	Ratio	Lower	Upper
166	100		
165	95.4	79.0	118.4
167	14.3	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

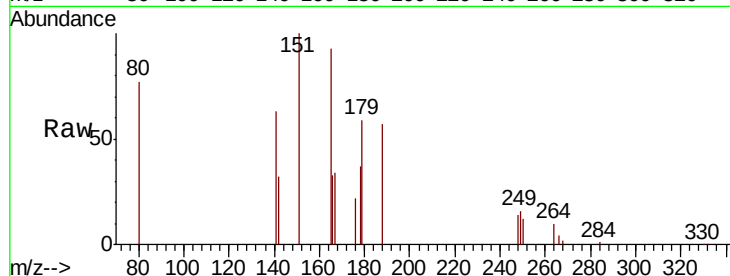
Tot Ion:188 Resp: 30003

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

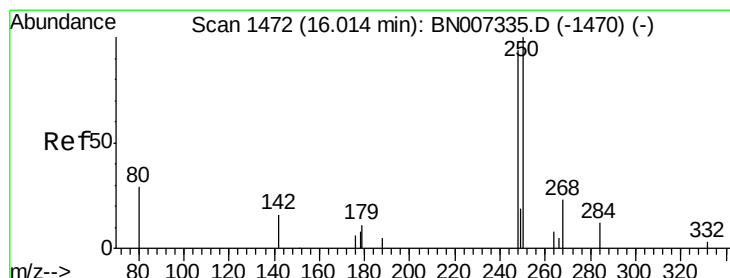
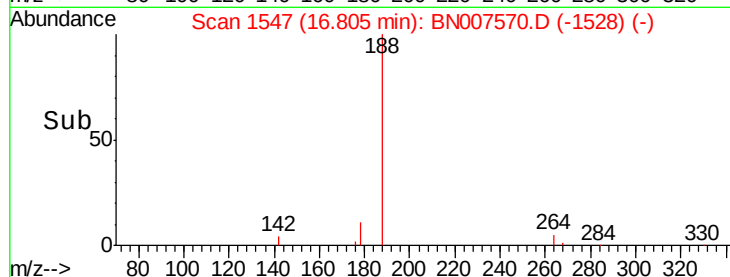
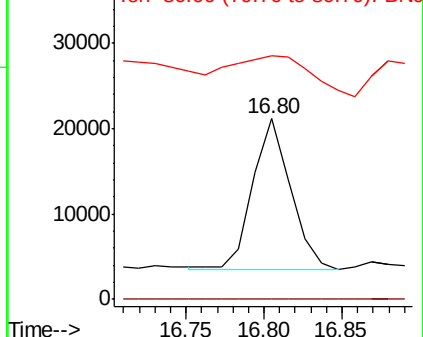
80 134.9 11.8 17.8#



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: 1.962 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

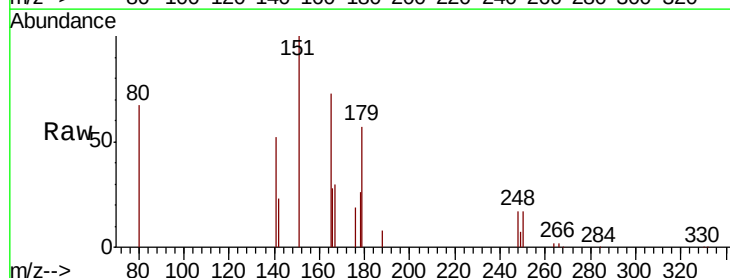
Tgt Ion:248 Resp: 23213

Ion Ratio Lower Upper

248 100

250 102.6 85.0 127.6

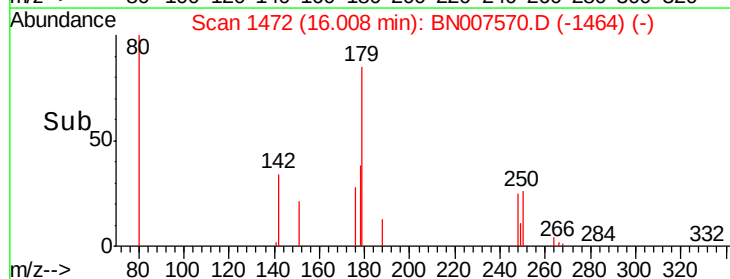
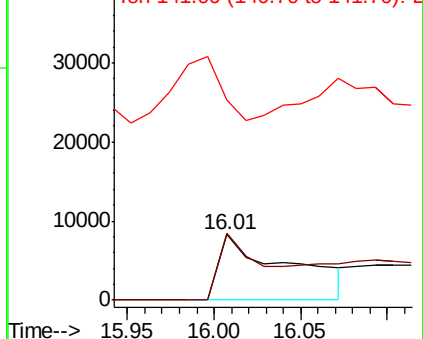
141 305.7 51.7 77.5#

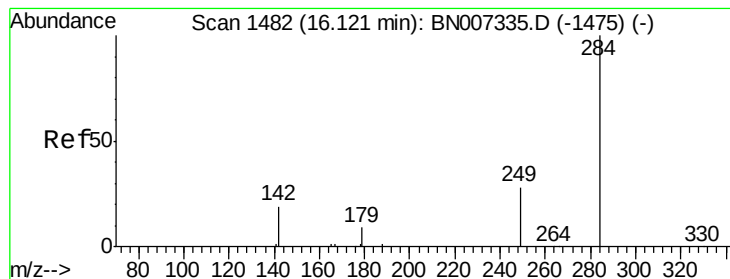


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.476 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

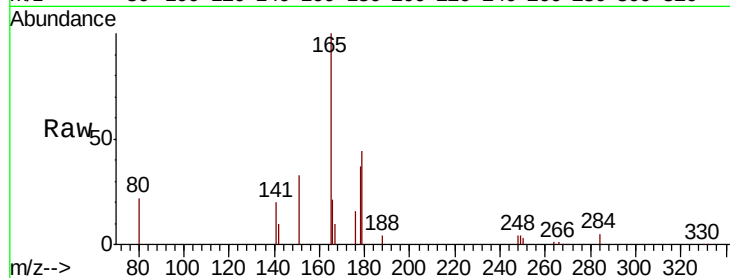
Tot Ion:284 Resp: 9565

Ion Ratio Lower Upper

284 100

142 58.9 29.0 43.6#

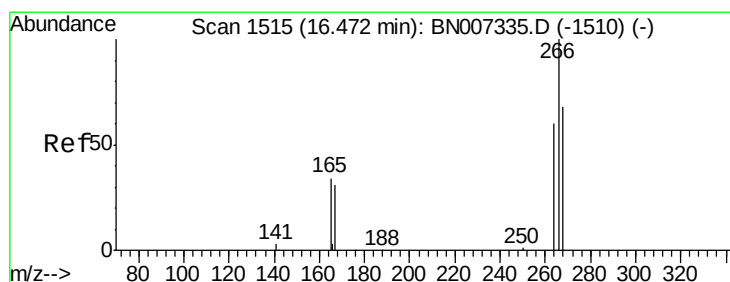
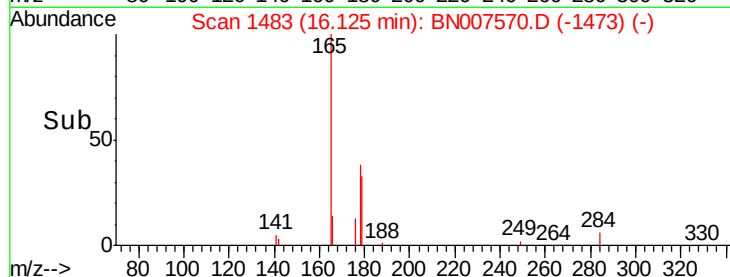
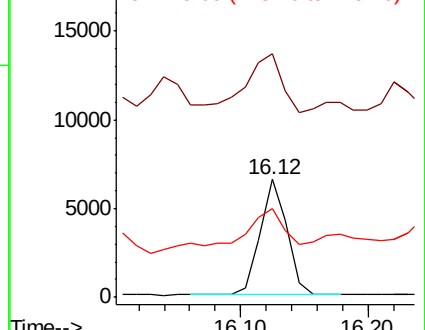
249 38.1 24.9 37.3#



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: 1.337 ng

RT: 16.48 min Scan# 1516

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

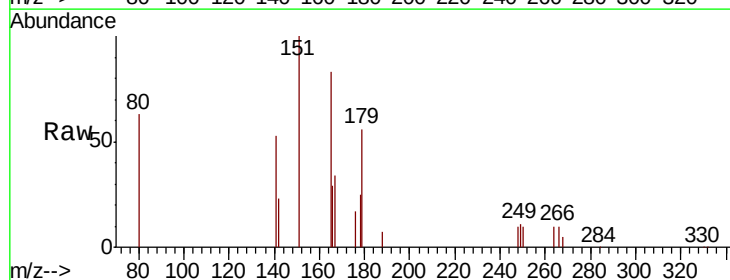
Tgt Ion:266 Resp: 8356

Ion Ratio Lower Upper

266 100

264 98.5 57.8 86.8#

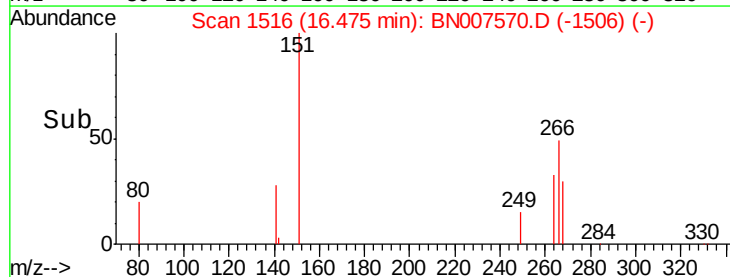
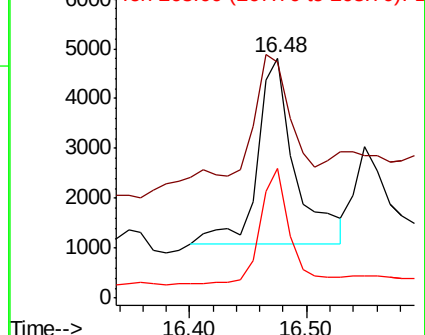
268 54.3 99.7 149.5#

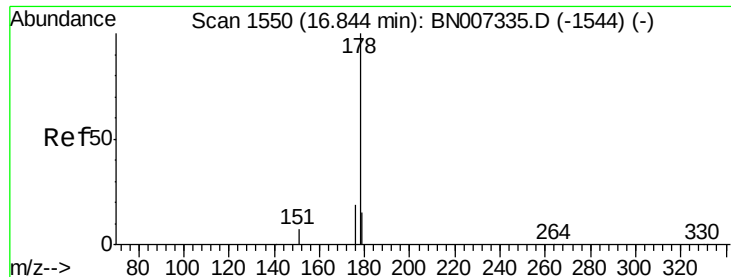


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 230.438 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

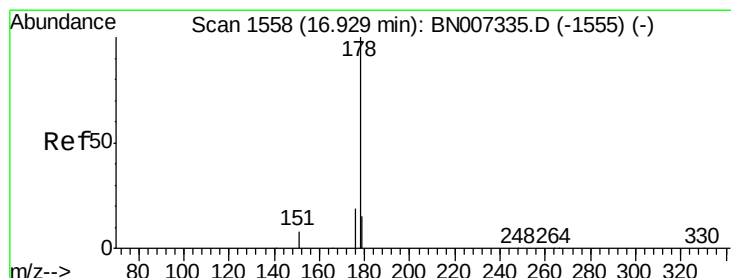
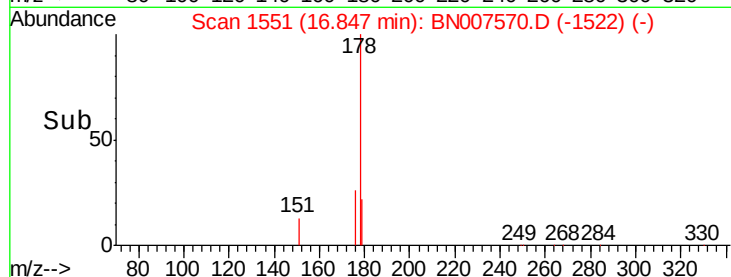
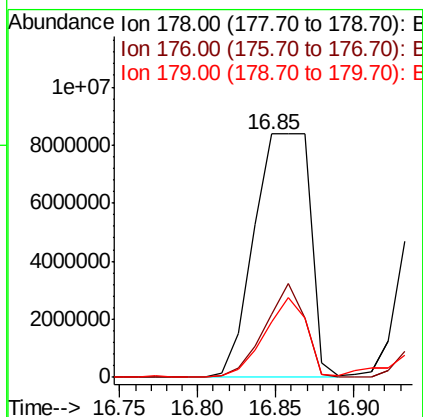
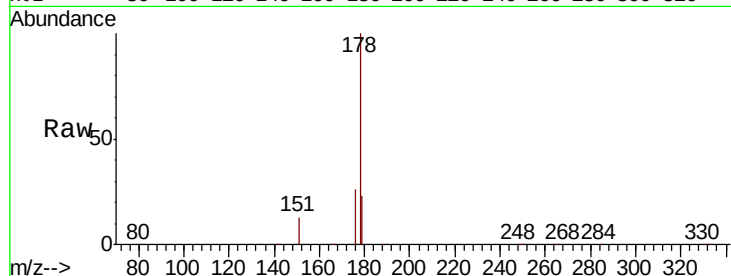
Tot Ion:178 Resp:20796410

Ion Ratio Lower Upper

178 100

176 27.4 15.3 22.9#

179 24.3 12.6 19.0#



#24

Anthracene

Concen: 96.798 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

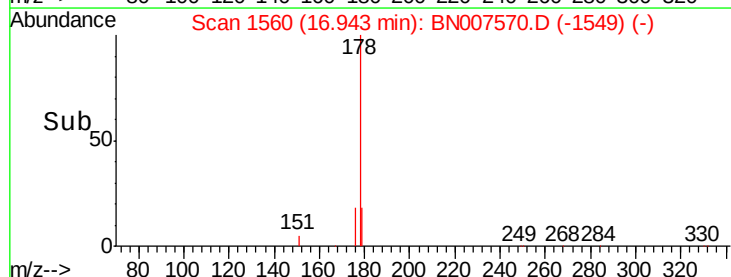
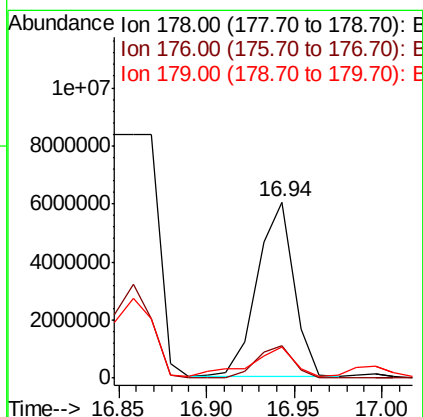
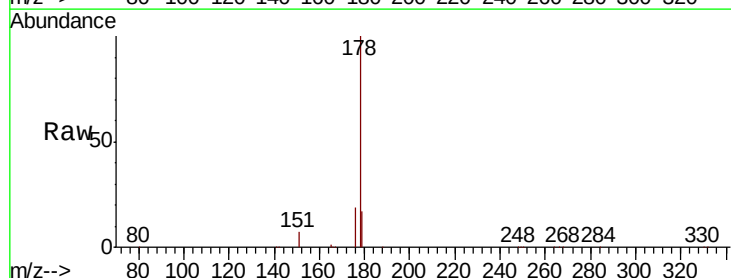
Tgt Ion:178 Resp: 8786792

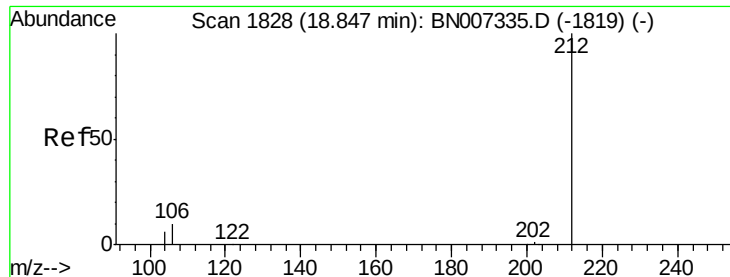
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 20.0 12.4 18.6#





#25

Fluoranthene-d10

Concen: 0.415 ng

RT: 18.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

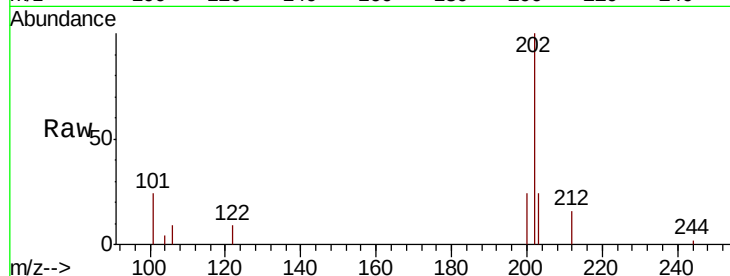
Tot Ion:212 Resp: 40145

Ion Ratio Lower Upper

212 100

106 13.1 9.0 13.4

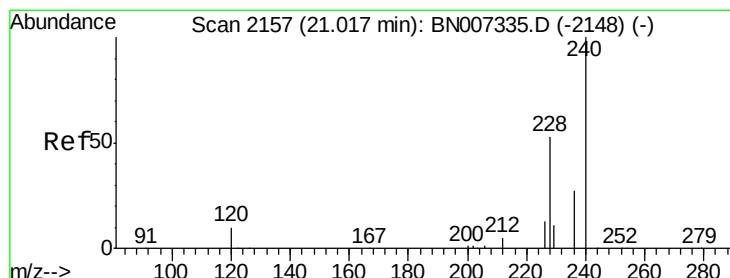
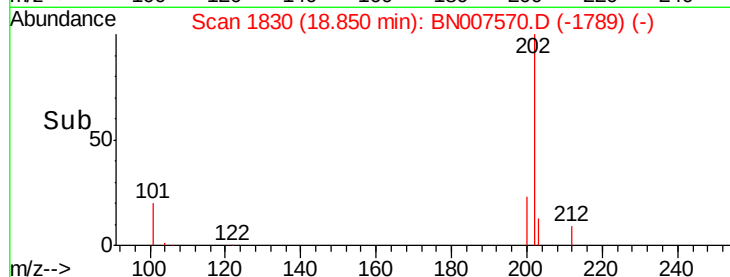
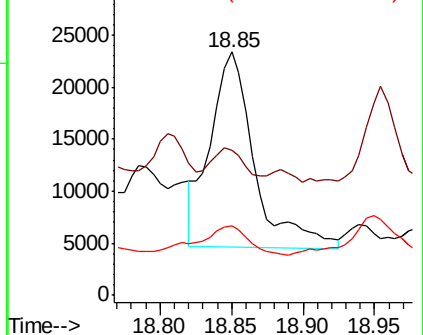
104 17.5 5.4 8.2#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

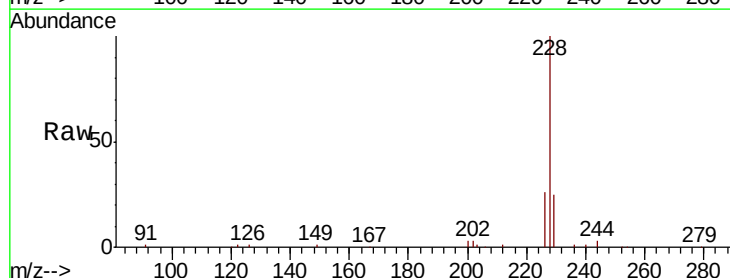
Tgt Ion:240 Resp: 44384

Ion Ratio Lower Upper

240 100

120 44.1 9.6 14.4#

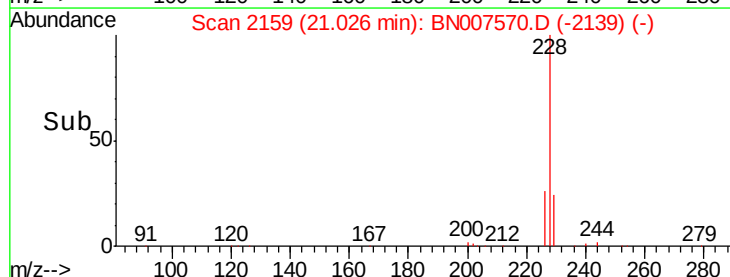
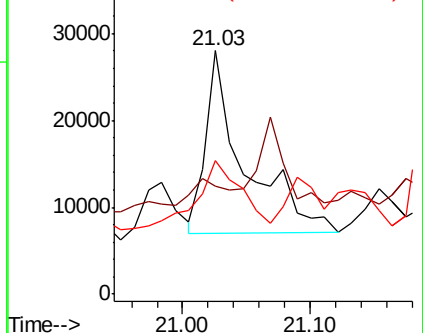
236 55.1 22.2 33.2#

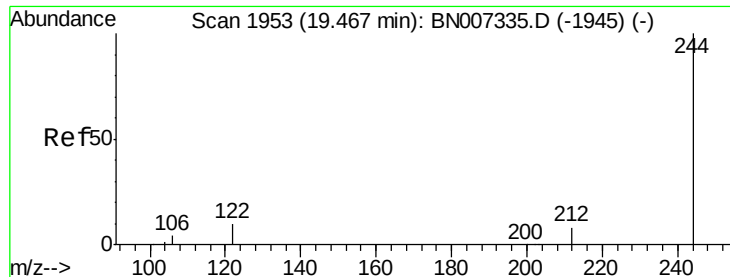


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

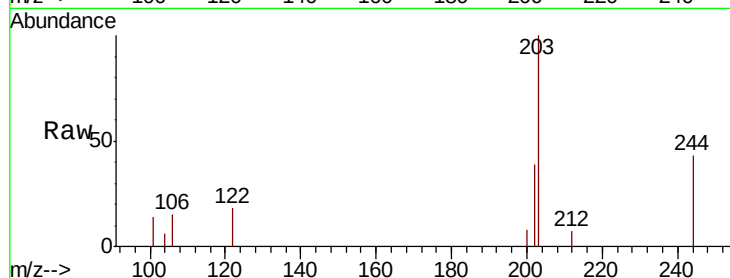
Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampled :



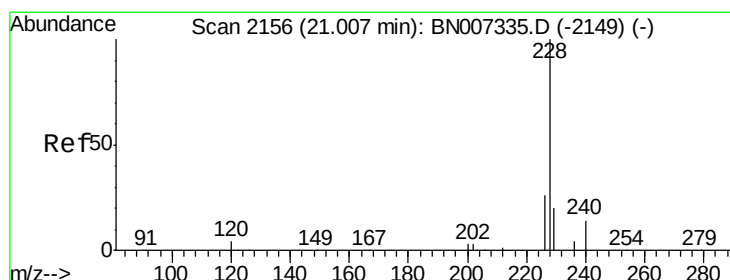
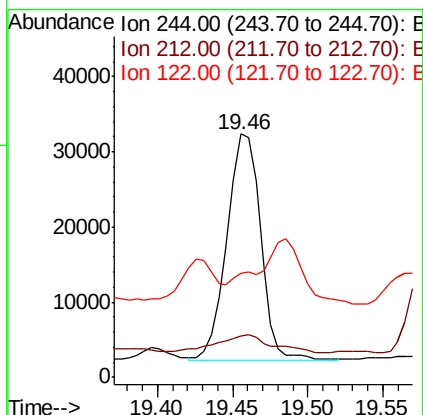
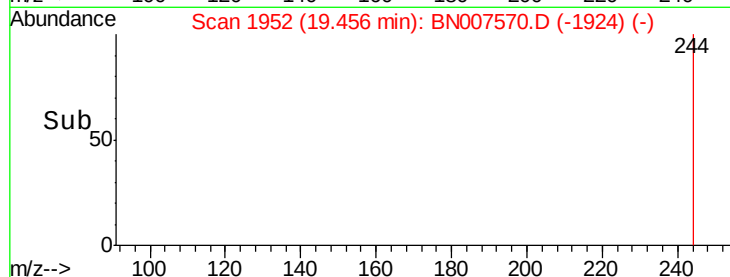
Tot Ion:244 Resp: 46678

Ion Ratio Lower Upper

244 100

212 17.2 7.0 10.6#

122 42.7 9.6 14.4#



#30

Benzo(a)anthracene

Concen: 95.496 ng

RT: 21.02 min Scan# 2158

Delta R.T. 0.01 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

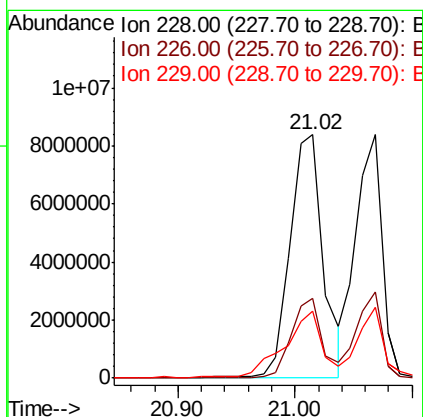
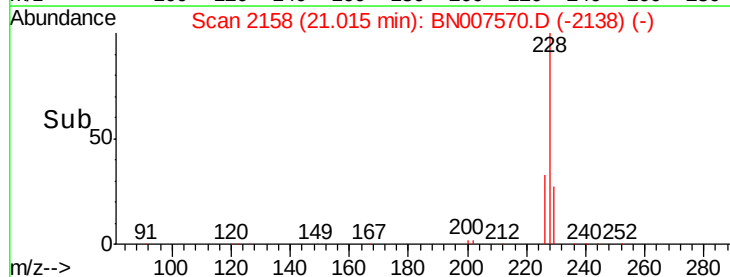
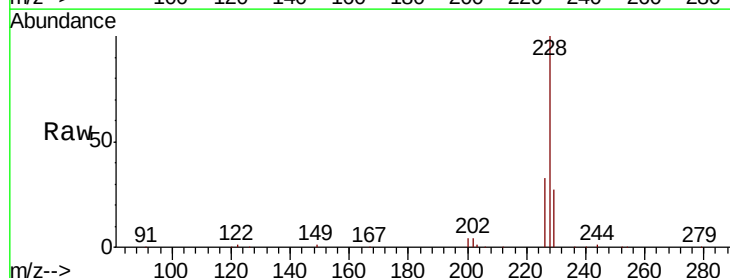
Tgt Ion:228 Resp:16645597

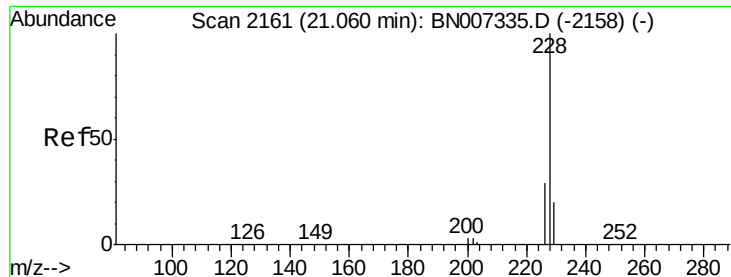
Ion Ratio Lower Upper

228 100

226 33.0 21.3 31.9#

229 27.3 16.1 24.1#

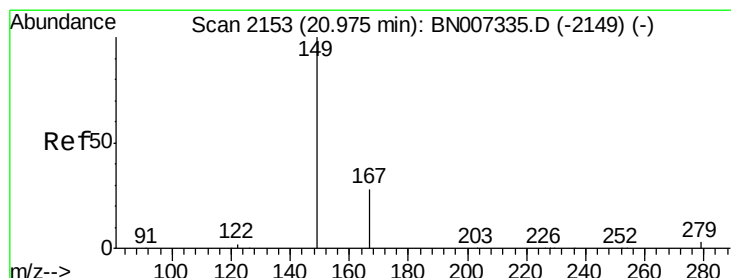
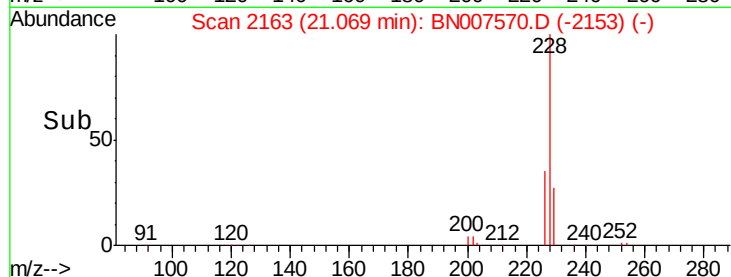
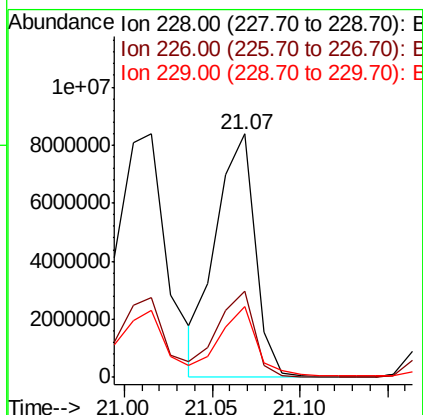
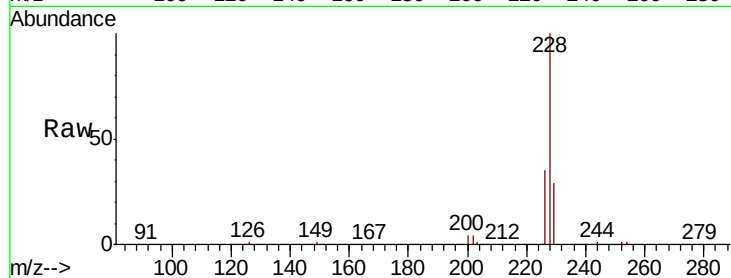




#31
Chrysene
Concen: 76.236 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

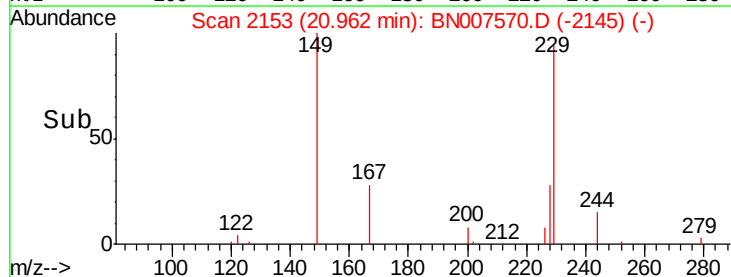
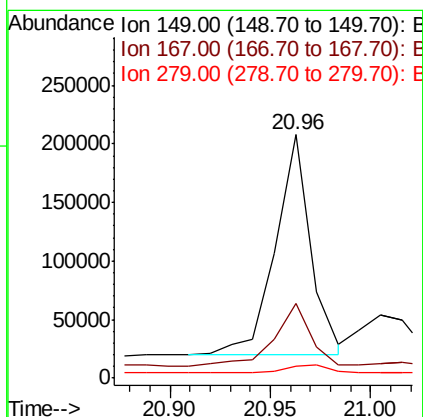
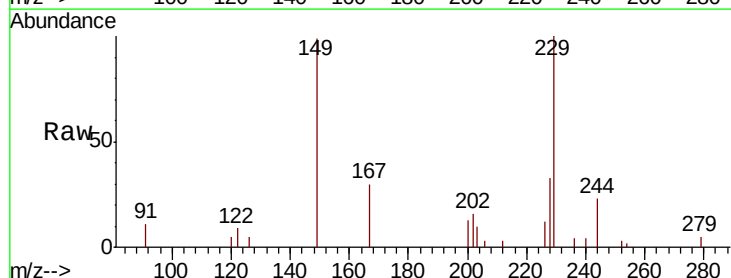
Instrument :
BNA_N
ClientSampleId :

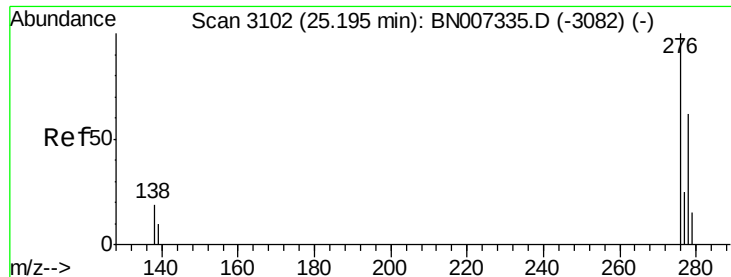
Tot Ion:228 Resp:12826405
Ion Ratio Lower Upper
228 100
226 35.4 23.5 35.3#
229 29.2 16.6 24.8#



#32
Bis(2-ethylhexyl)phthalate
Concen: 2.031 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007570.D
Acq: 09 Sep 2019 03:01

Tgt Ion:149 Resp: 231186
Ion Ratio Lower Upper
149 100
167 28.7 22.8 34.2
279 4.7 3.5 5.3

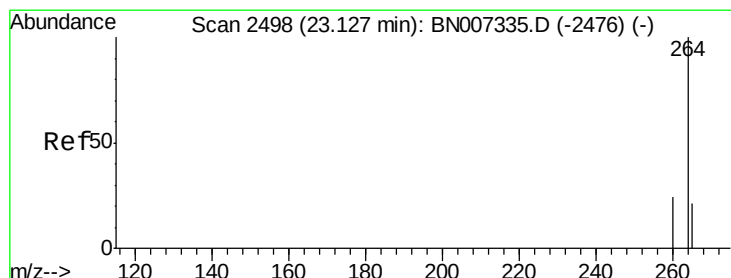
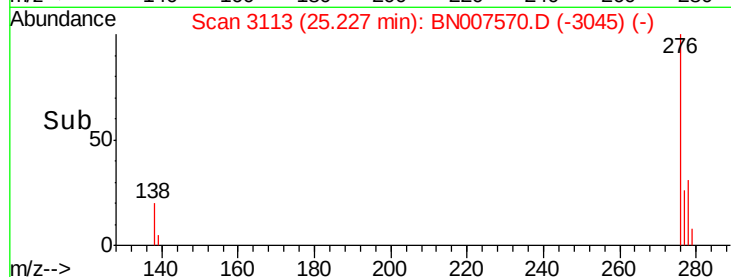
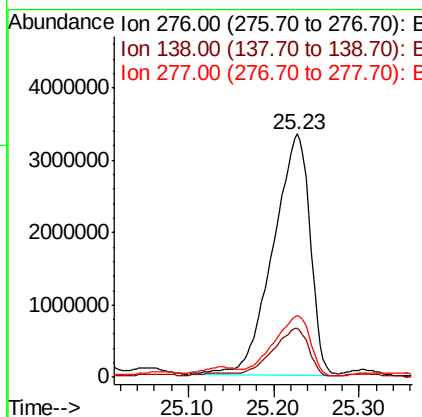
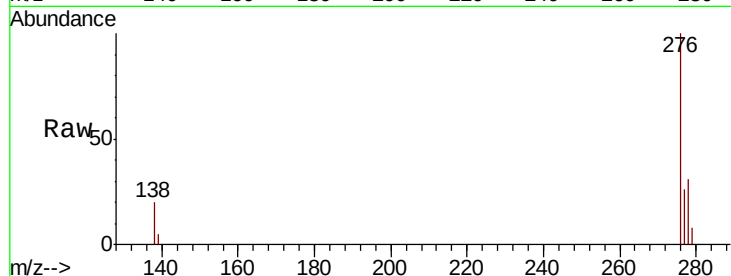




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 49.299 ng
 RT: 25.23 min Scan# 3113
 Delta R.T. 0.03 min
 Lab File: BN007570.D
 Acq: 09 Sep 2019 03:01

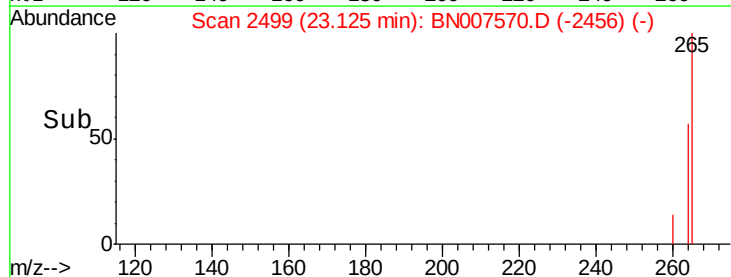
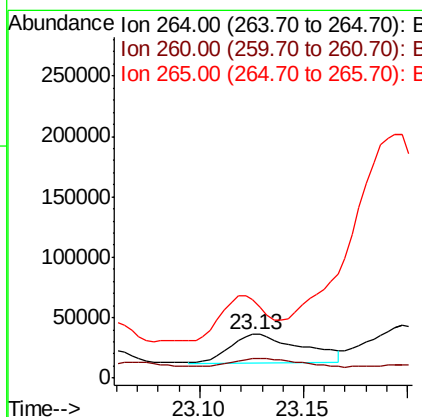
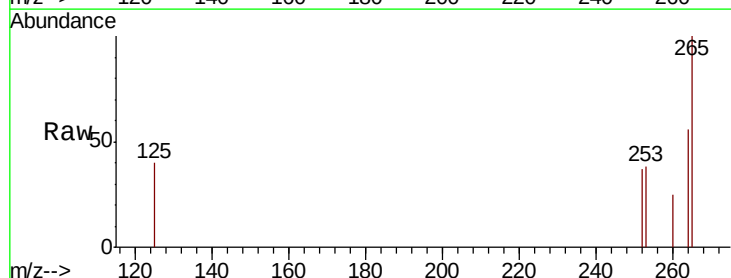
Instrument :
 BNA_N
 ClientSampleId :

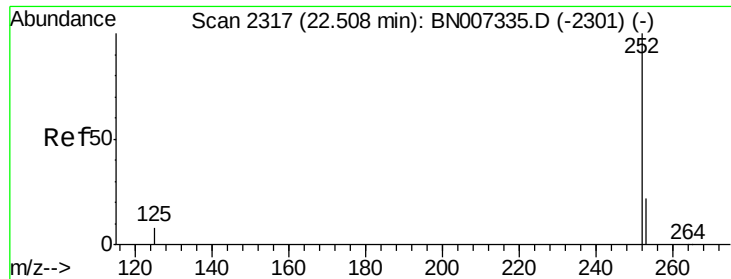
Tot Ion:276 Resp: 9991970
 Ion Ratio Lower Upper
 276 100
 138 19.2 15.1 22.7
 277 24.6 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BN007570.D
 Acq: 09 Sep 2019 03:01

Tgt Ion:264 Resp: 58208
 Ion Ratio Lower Upper
 264 100
 260 44.6 19.7 29.5#
 265 180.1 29.9 44.9#





#35

Benzo(b)fluoranthene

Concen: 90.020 ng

RT: 22.53 min Scan# 2324

Delta R.T. 0.02 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

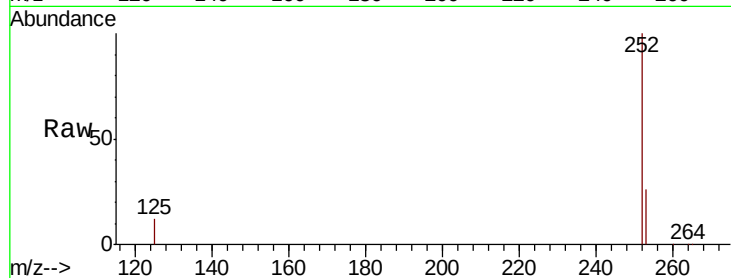
Tot Ion:252 Resp:18985379

Ion Ratio Lower Upper

252 100

253 25.6 19.2 28.8

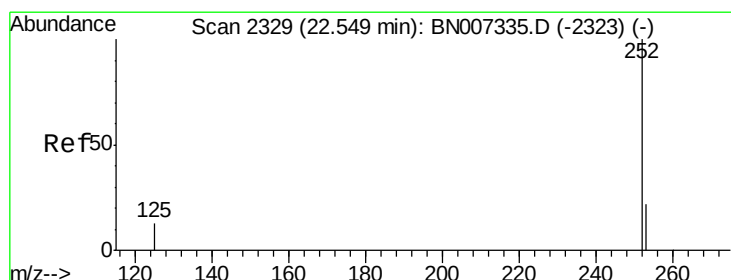
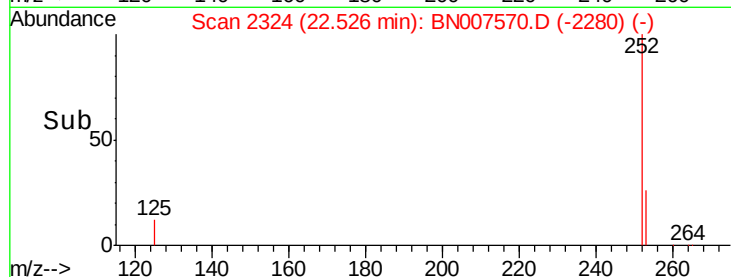
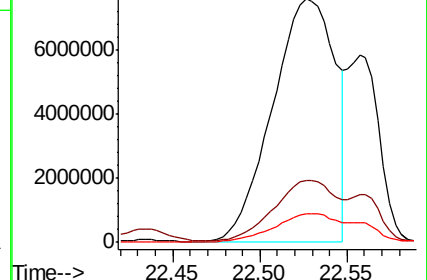
125 11.9 10.6 16.0



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: 91.084 ng

RT: 22.53 min Scan# 2324

Delta R.T. -0.02 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

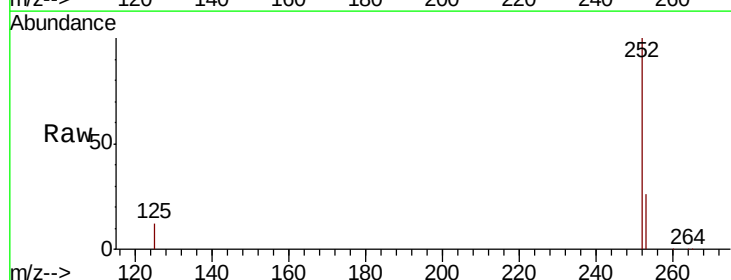
Tgt Ion:252 Resp:18985379

Ion Ratio Lower Upper

252 100

253 25.6 19.4 29.2

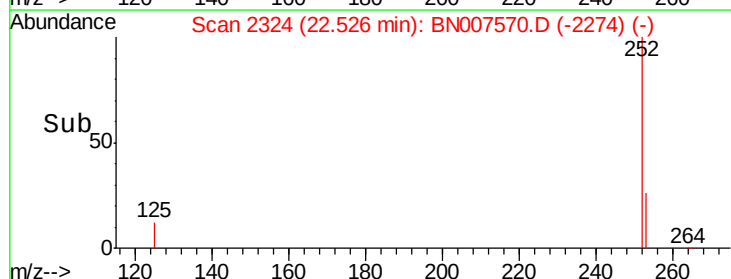
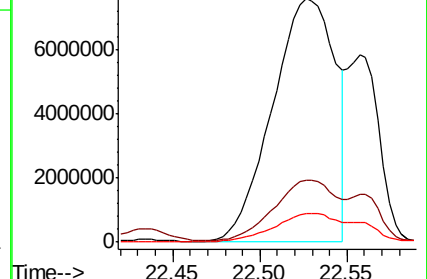
125 11.9 13.1 19.7#

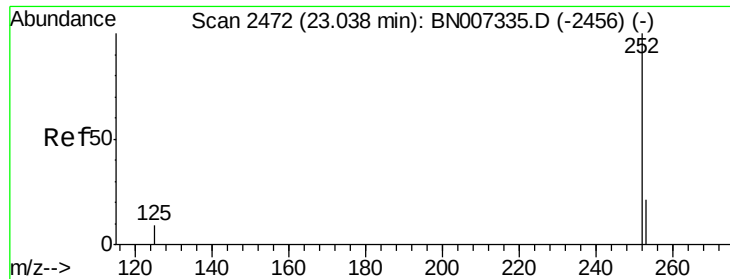


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 43.370 ng

RT: 22.96 min Scan# 2451

Delta R.T. -0.08 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

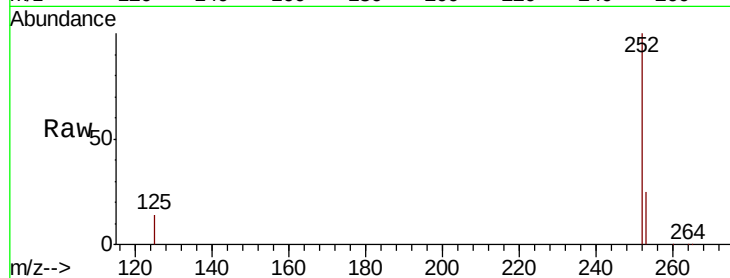
Tot Ion:252 Resp: 8704152

Ion Ratio Lower Upper

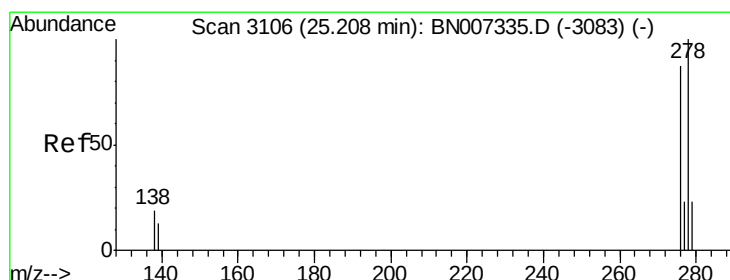
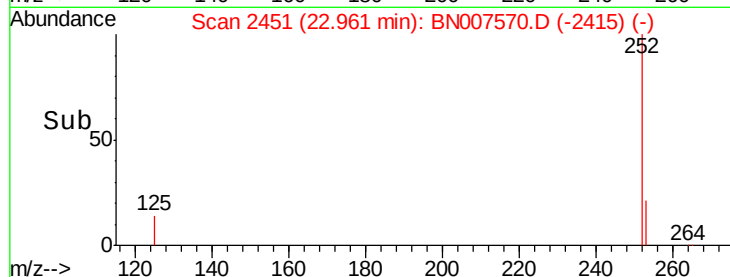
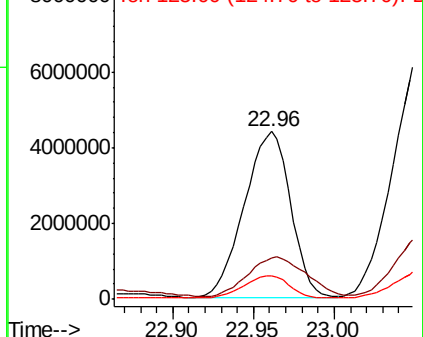
252 100

253 25.0 19.5 29.3

125 14.3 12.1 18.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 13.413 ng

RT: 25.22 min Scan# 3112

Delta R.T. 0.02 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

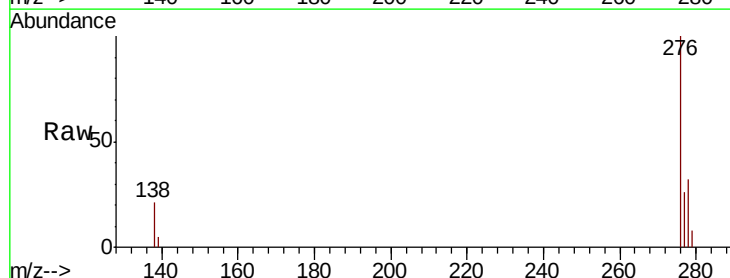
Tgt Ion:278 Resp: 2685957

Ion Ratio Lower Upper

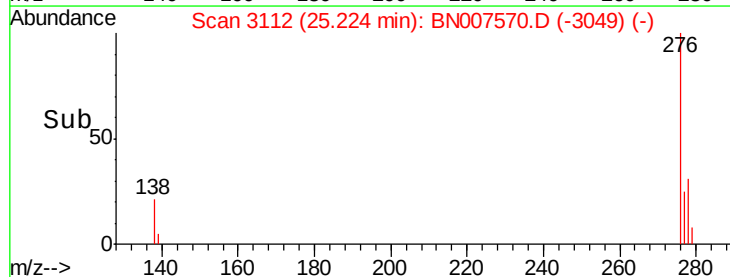
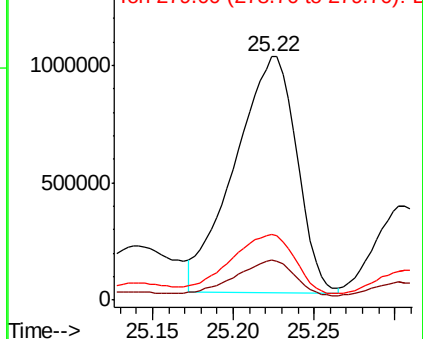
278 100

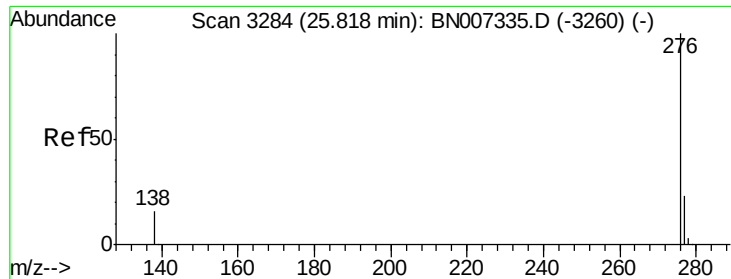
139 16.3 13.7 20.5

279 26.8 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: 43.074 ng

RT: 25.86 min Scan# 3298

Delta R.T. 0.04 min

Lab File: BN007570.D

Acq: 09 Sep 2019 03:01

Instrument :

BNA_N

ClientSampleId :

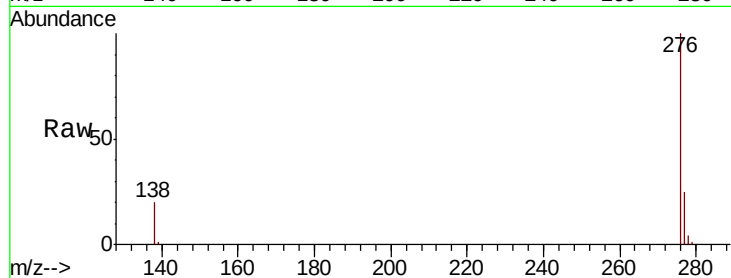
Tot Ion:276 Resp: 8594255

Ion Ratio Lower Upper

276 100

277 25.4 19.6 29.4

138 20.2 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

