

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
 Data File : BN008007.D
 Acq On : 04 Oct 2019 17:23
 Operator : JU
 Sample : PB123460BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 05 01:24:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	179	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	31	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	15	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	34	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	47	0.40	ng	-0.03
34) Perylene-d12	23.46	264	4	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	11864	19.26	ng	0.00
5) Phenol-d6	6.86	99	15627	20.67	ng	0.00
8) Nitrobenzene-d5	8.82	82	14074	519.05	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	29994	574.31	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	4285	524.50	ng	-0.02
15) 2-Fluorobiphenyl	12.92	172	39440	638.39	ng	-0.02
25) Fluoranthene-d10	19.08	212	60436	527.39	ng	-0.02
29) Terphenyl-d14	19.69	244	49570	429.38	ng	-0.02

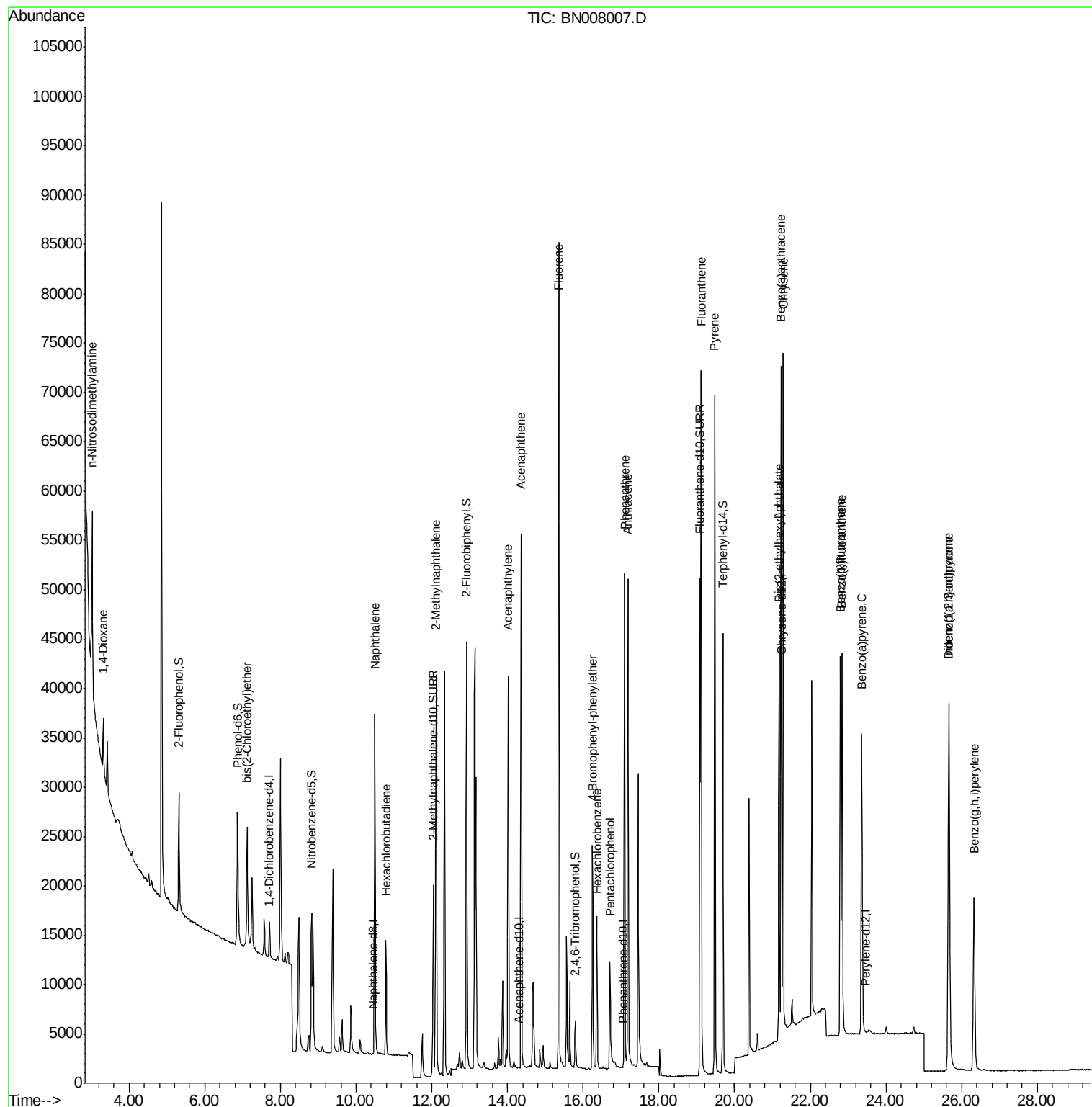
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	3679	18.440	ng	# 92
3) n-Nitrosodimethylamine	3.03	42	2517	27.544	ng	# 92
6) bis(2-Chloroethyl)ether	7.11	93	14572	28.751	ng	# 83
9) Naphthalene	10.49	128	46057	529.402	ng	99
10) Hexachlorobutadiene	10.79	225	9656	526.955	ng	# 100
12) 2-Methylnaphthalene	12.11	142	31634	537.978	ng	99
16) Acenaphthylene	14.01	152	47262	594.092	ng	100
17) Acenaphthene	14.36	154	29387	572.982	ng	98
18) Fluorene	15.35	166	37506	570.575	ng	100
20) 4-Bromophenyl-phenylether	16.24	248	11950	578.966	ng	# 80
21) Hexachlorobenzene	16.37	284	13341	591.342	ng	97
22) Pentachlorophenol	16.71	266	7852	943.874	ng	97
23) Phenanthrene	17.09	178	57868	546.359	ng	100
24) Anthracene	17.18	178	55627	581.503	ng	100
26) Fluoranthene	19.11	202	67169	510.014	ng	99
28) Pyrene	19.48	202	67198	419.210	ng	99
30) Benzo(a)anthracene	21.23	228	57386	331.560	ng	99
31) Chrysene	21.28	228	57223	339.238	ng	99
32) Bis(2-ethylhexyl)phthalate	21.17	149	25947	291.492	ng	100
33) Indeno(1,2,3-cd)pyrene	25.66	276	46154	218.541	ng	99
35) Benzo(b)fluoranthene	22.79	252	49783	3584.928	ng	99
36) Benzo(k)fluoranthene	22.84	252	52132	3796.491	ng	99
37) Benzo(a)pyrene	23.36	252	47301	3624.646	ng	97
38) Dibenzo(a,h)anthracene	25.67	278	38032	2848.208	ng	98
39) Benzo(g,h,i)perylene	26.33	276	38179	2889.612	ng	99

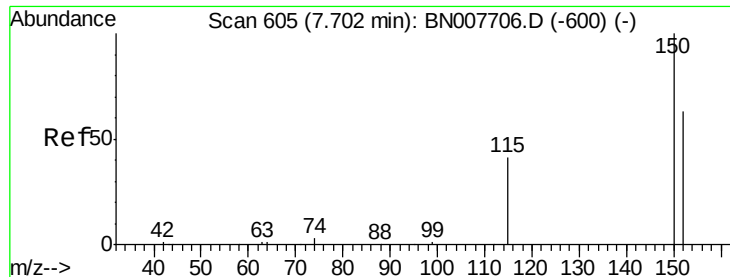
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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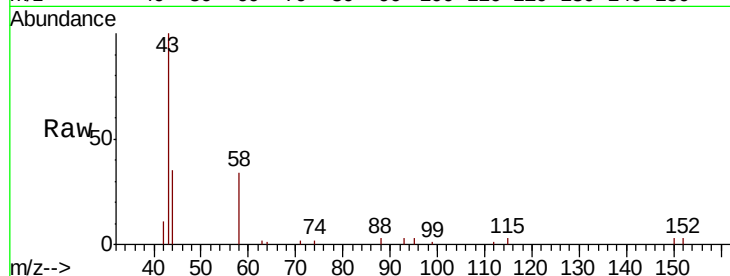


#1

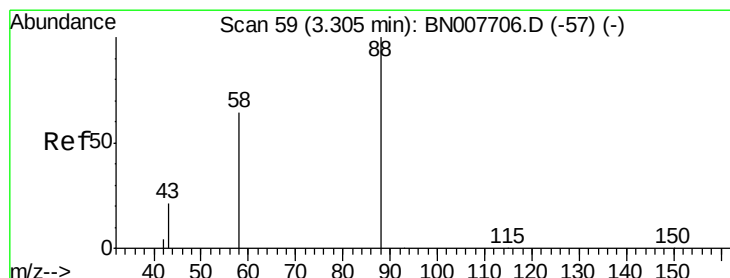
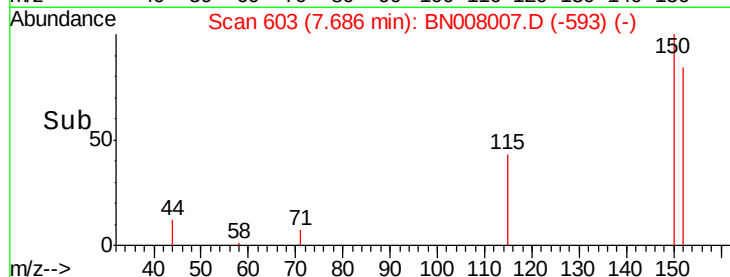
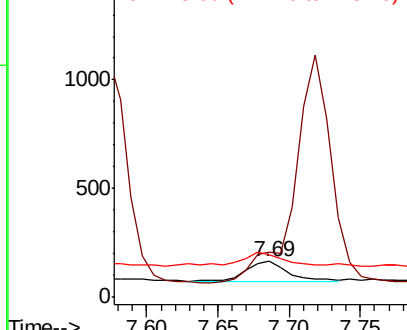
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 179
Ion Ratio Lower Upper
152 100
150 124.1 125.6 188.4#
115 116.9 53.3 79.9#



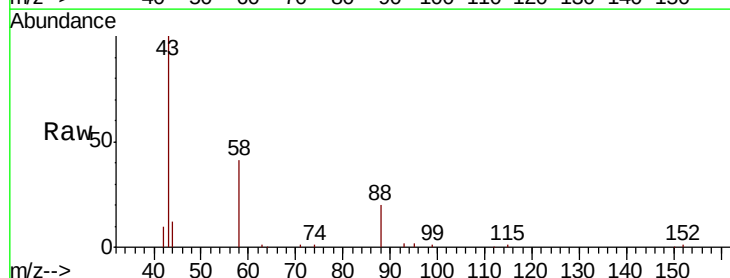
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



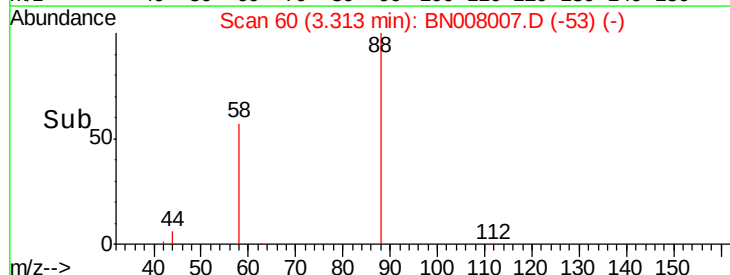
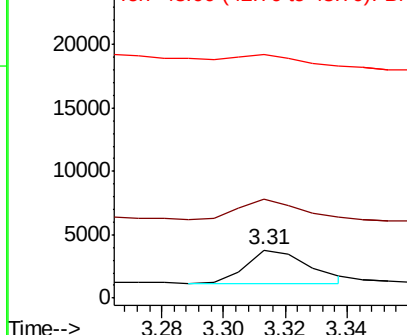
#2

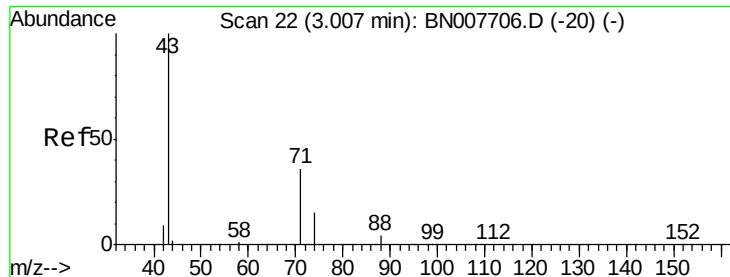
1,4-Dioxane
Concen: 18.440 ng
RT: 3.31 min Scan# 60
Delta R.T. 0.01 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion: 88 Resp: 3679
Ion Ratio Lower Upper
88 100
58 55.5 44.6 66.8
43 31.5 14.4 21.6#



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



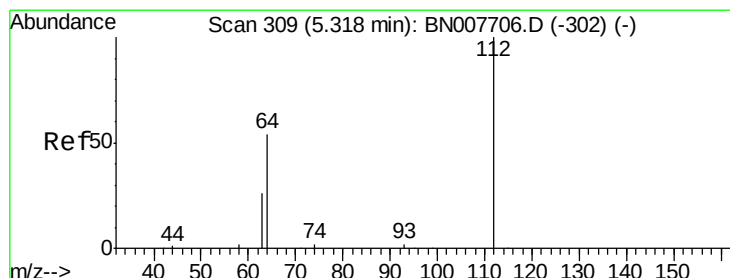
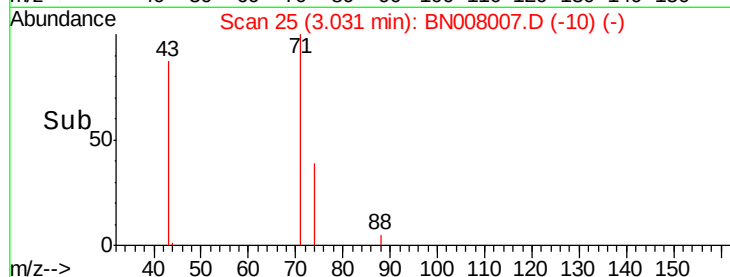
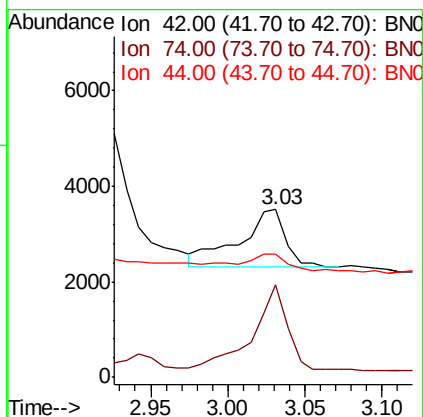
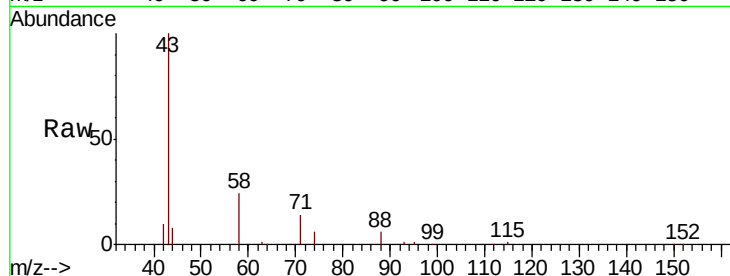


#3

n-Nitrosodimethylamine
 Concen: 27.544 ng
 RT: 3.03 min Scan# 25
 Delta R.T. 0.02 min
 Lab File: BN008007.D
 Acq: 04 Oct 2019 17:23

Instrument :
 BNA_N
 ClientSampleId :

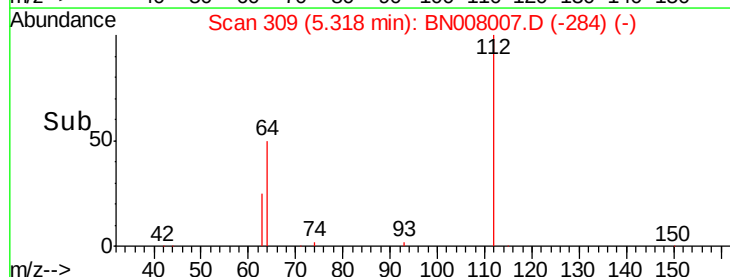
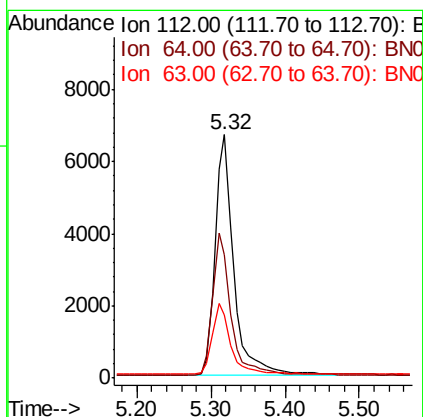
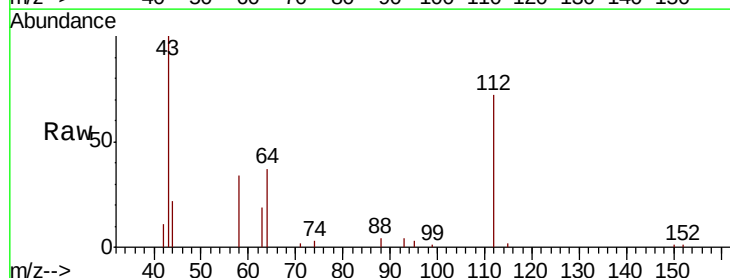
Tot Ion	42	Resp	2517
Ion Ratio	Lower	Upper	
42	100		
74	107.7	87.9	131.9
44	20.4	29.4	44.0#

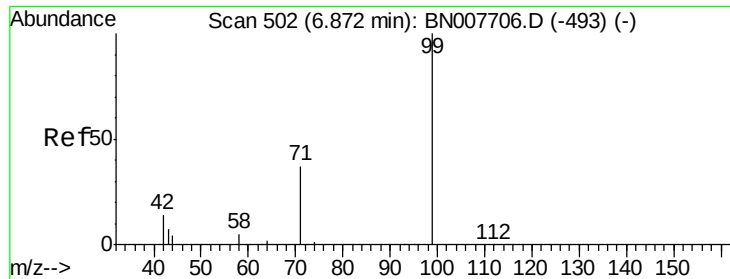


#4

2-Fluorophenol
 Concen: 19.257 ng
 RT: 5.32 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: BN008007.D
 Acq: 04 Oct 2019 17:23

Tgt Ion	112	Resp	11864
Ion Ratio	Lower	Upper	
112	100		
64	58.5	46.6	70.0
63	29.7	23.1	34.7





#5

Phenol-d6

Concen: 20.667 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampled :

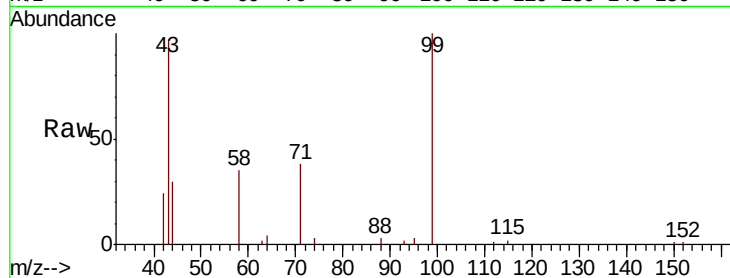
Tot Ion: 99 Resp: 15627

Ion Ratio Lower Upper

99 100

42 14.4 12.8 19.2

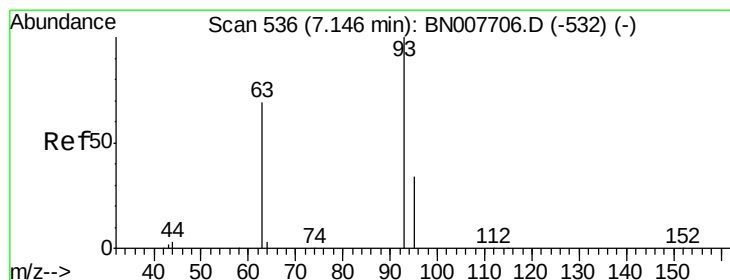
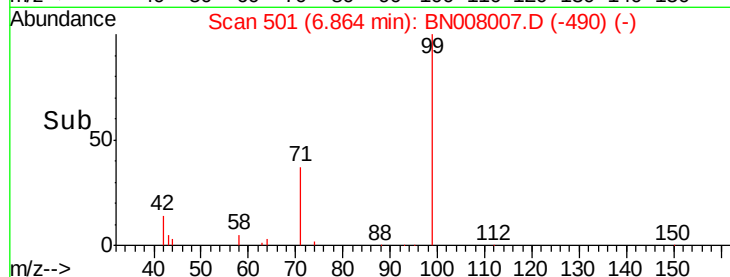
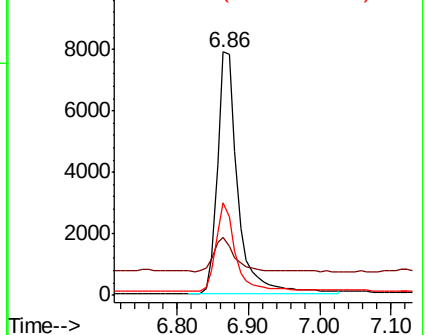
71 34.9 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#6

bis(2-Chloroethyl)ether

Concen: 28.751 ng

RT: 7.11 min Scan# 532

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

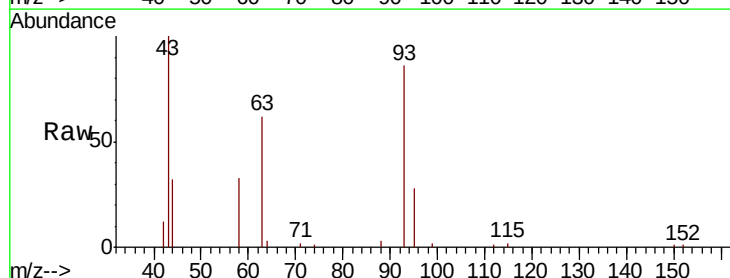
Tgt Ion: 93 Resp: 14572

Ion Ratio Lower Upper

93 100

63 60.4 59.3 88.9

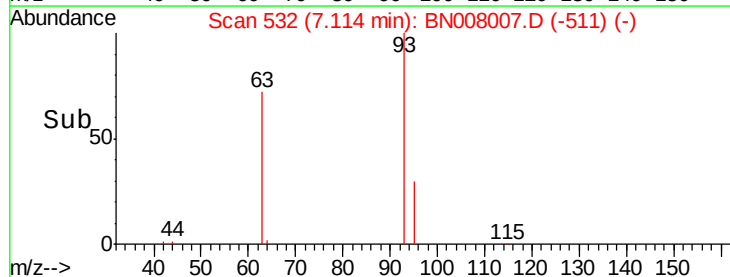
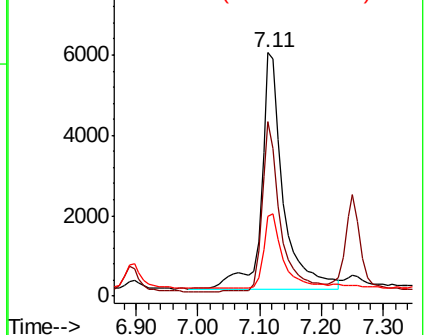
95 27.6 31.4 47.0#

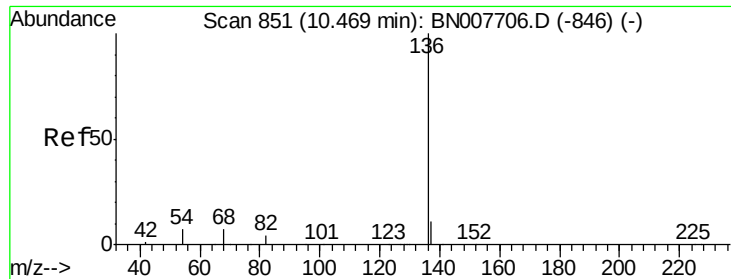


Abundance Ion 93.00 (92.70 to 93.70): BN007706.D (-532) (-)

Ion 63.00 (62.70 to 63.70): BN007706.D (-532) (-)

Ion 95.00 (94.70 to 95.70): BN007706.D (-532) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 31

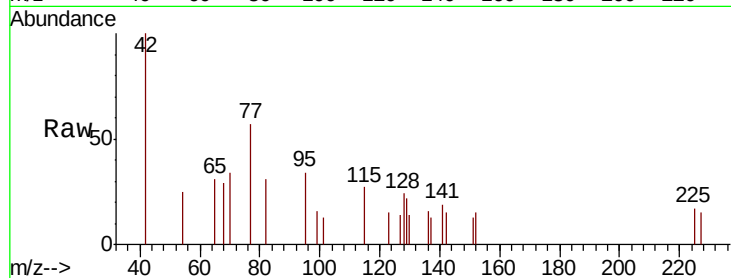
Ion Ratio Lower Upper

136 100

137 86.8 9.2 13.8#

54 163.2 5.8 8.8#

68 189.5 6.5 9.7#

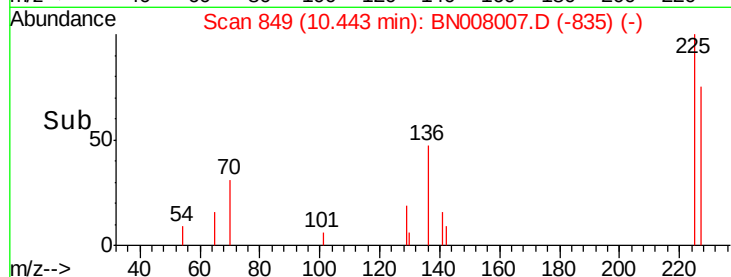


Abundance Ion 136.00 (135.70 to 136.70): E

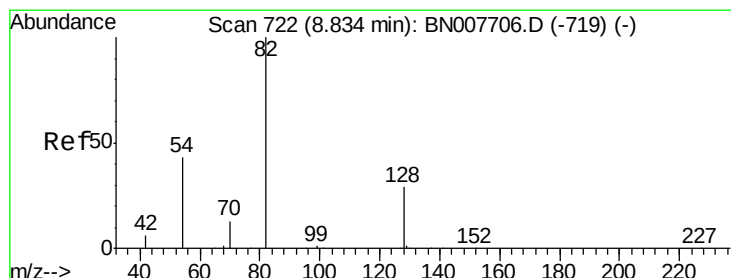
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 519.047 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

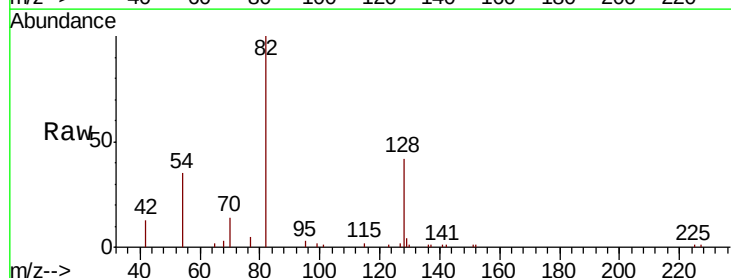
Tgt Ion: 82 Resp: 14074

Ion Ratio Lower Upper

82 100

128 42.4 24.5 36.7#

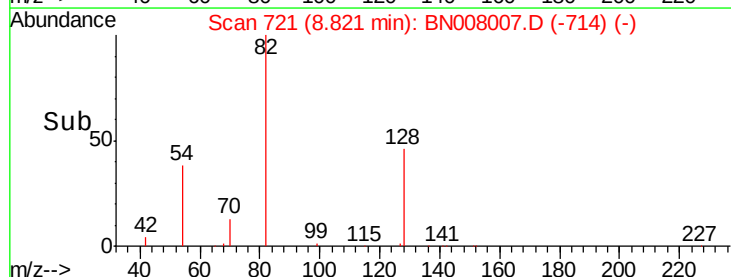
54 35.4 35.2 52.8



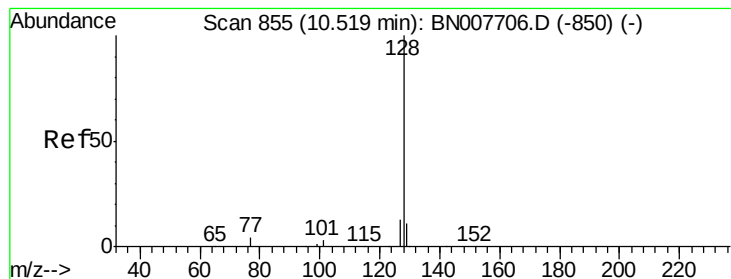
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#9

Naphthalene

Concen: 529.402 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

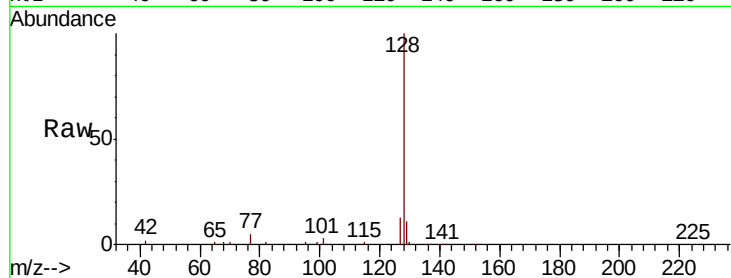
Tot Ion:128 Resp: 46057

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

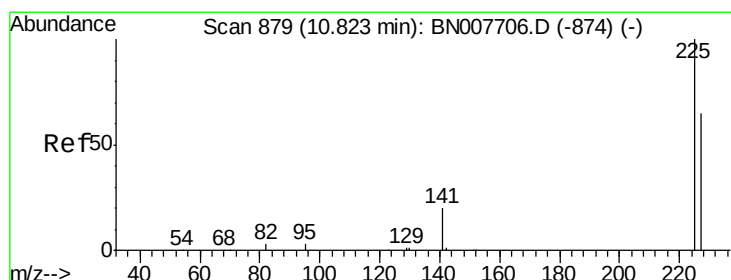
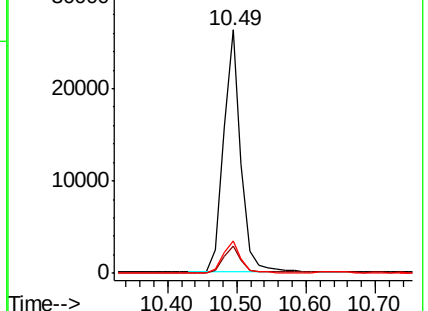
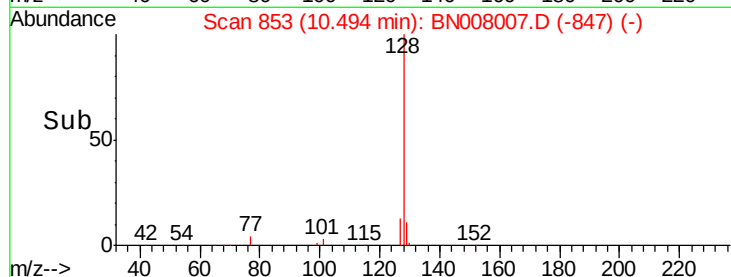
127 13.1 10.6 15.8



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: 526.955 ng

RT: 10.79 min Scan# 876

Delta R.T. -0.04 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

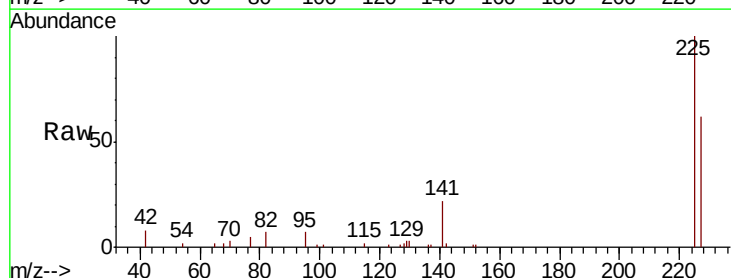
Tgt Ion:225 Resp: 9656

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

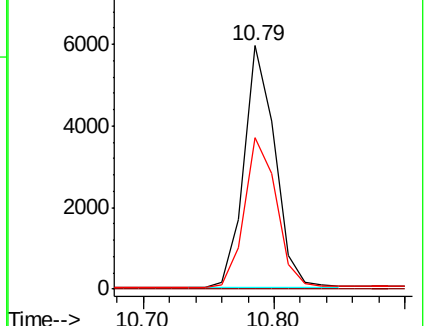
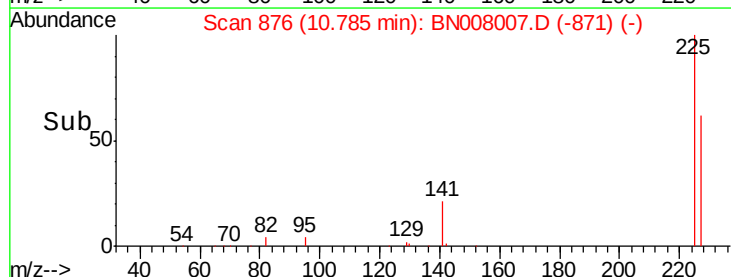
227 64.3 51.2 76.8

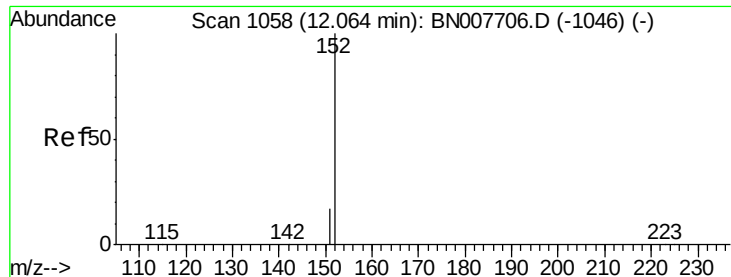


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

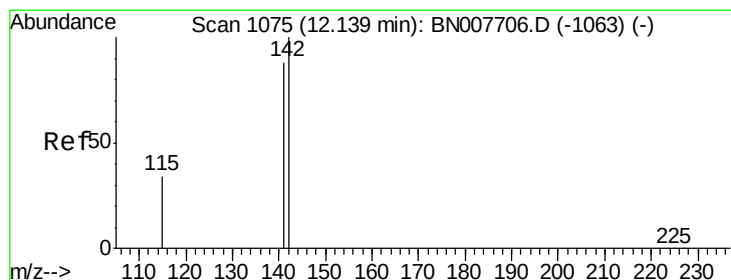
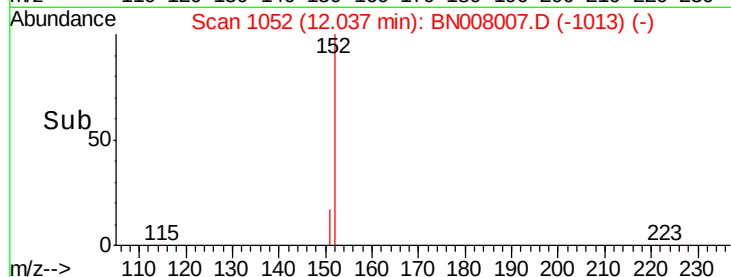
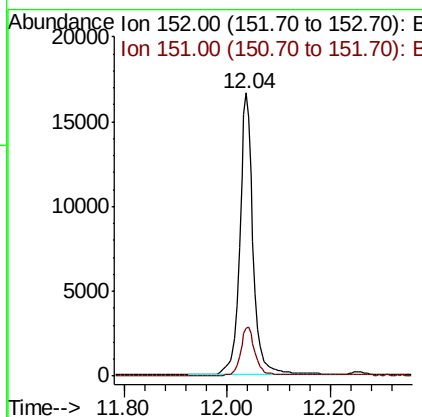
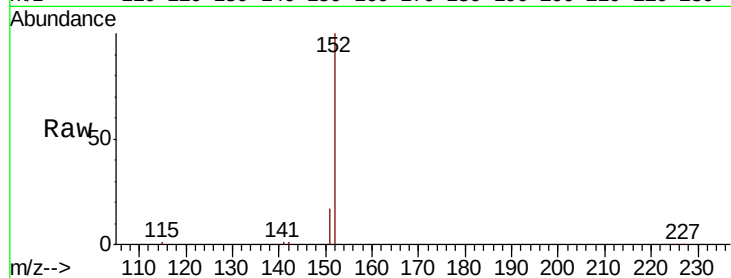




#11
 2-Methylnaphthalene-d10
 Concen: 574.307 ng
 RT: 12.04 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: BN008007.D
 Acq: 04 Oct 2019 17:23

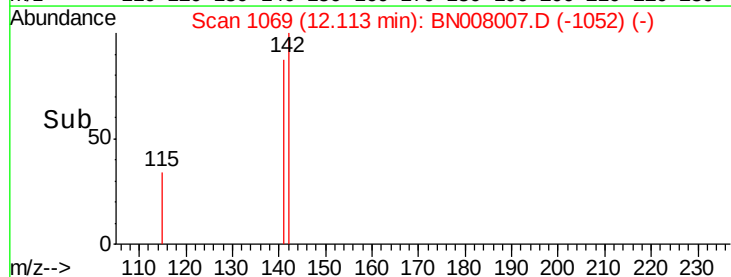
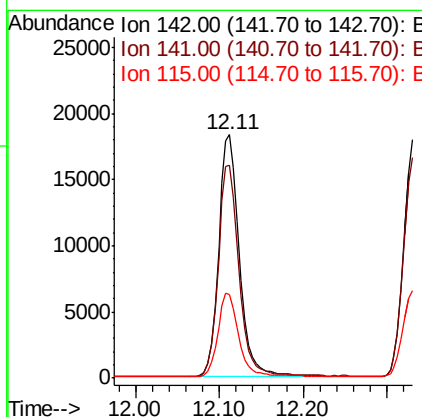
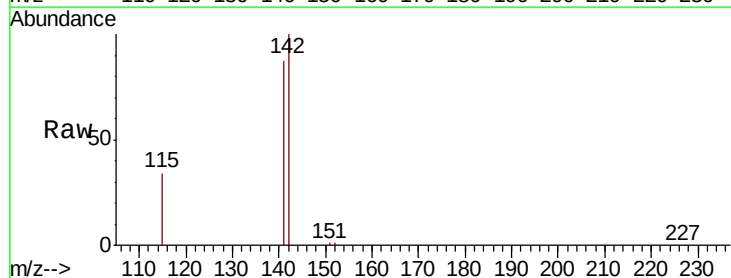
Instrument :
 BNA_N
 ClientSampleId :

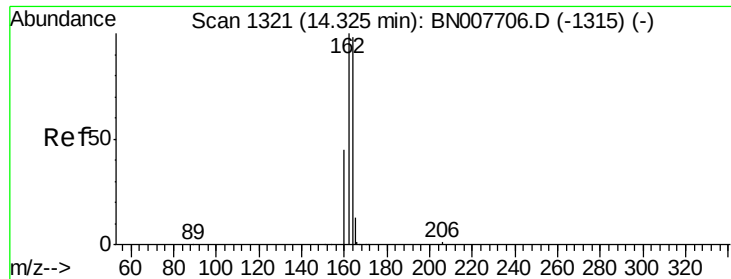
Tot Ion:152 Resp: 29994
 Ion Ratio Lower Upper
 152 100
 151 18.0 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 537.978 ng
 RT: 12.11 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BN008007.D
 Acq: 04 Oct 2019 17:23

Tgt Ion:142 Resp: 31634
 Ion Ratio Lower Upper
 142 100
 141 87.3 70.6 106.0
 115 34.4 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampled :

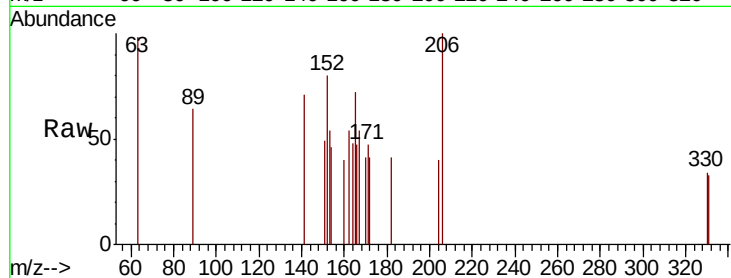
Tot Ion:164 Resp: 15

Ion Ratio Lower Upper

164 100

162 112.1 81.7 122.5

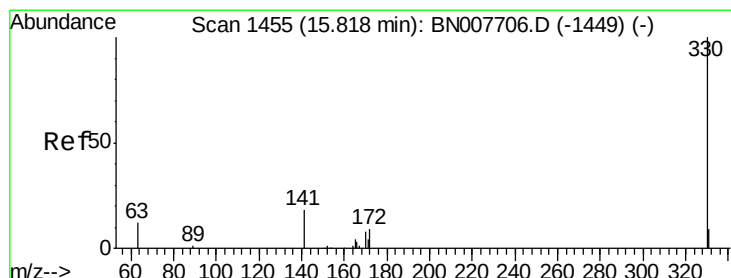
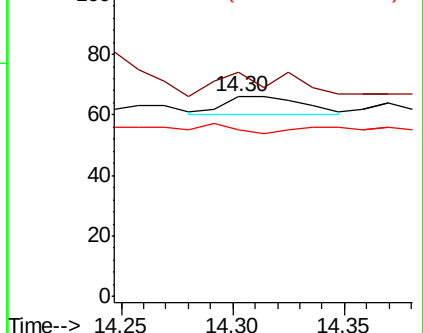
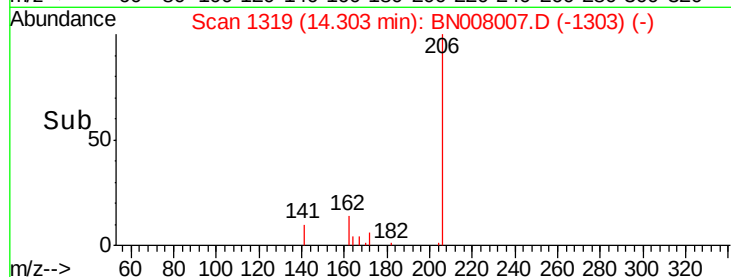
160 83.3 37.0 55.4#



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: 524.496 ng

RT: 15.80 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

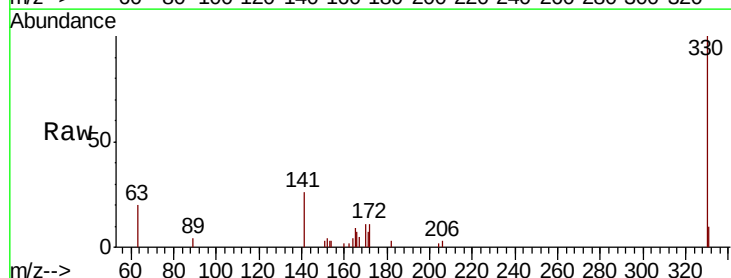
Tgt Ion:330 Resp: 4285

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

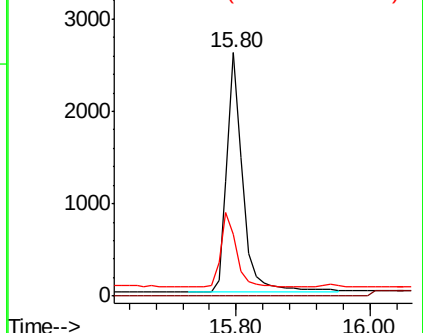
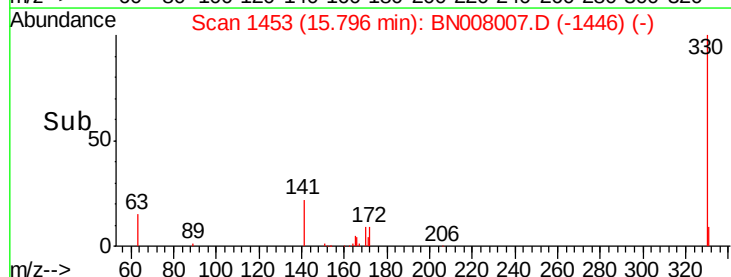
141 31.1 28.7 43.1

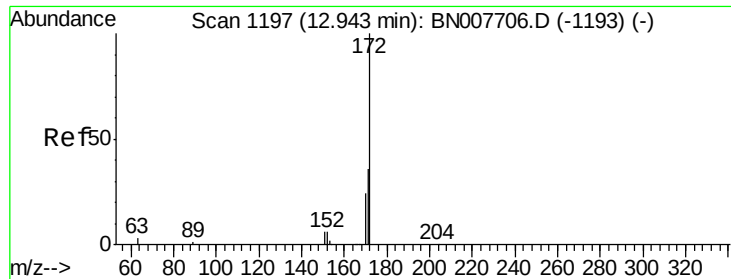


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

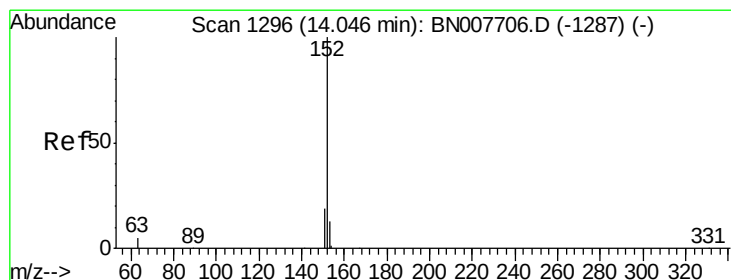
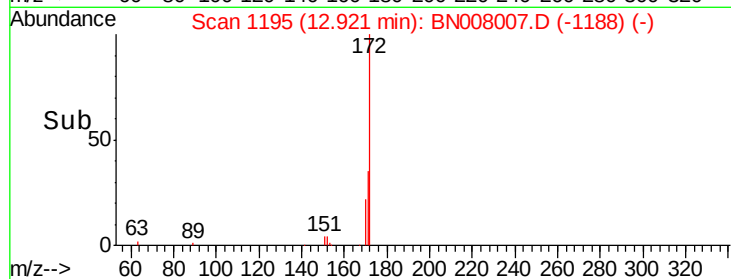
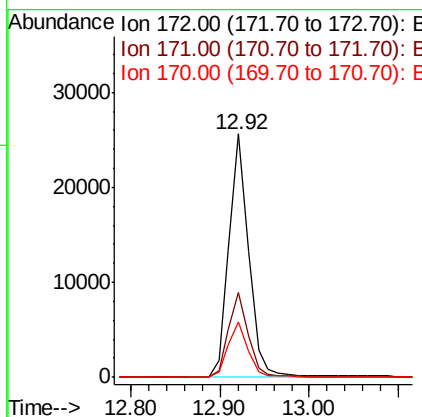
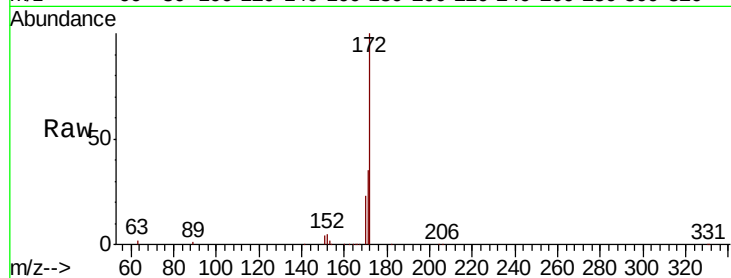




#15
2-Fluorobiphenyl
Concen: 638.387 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

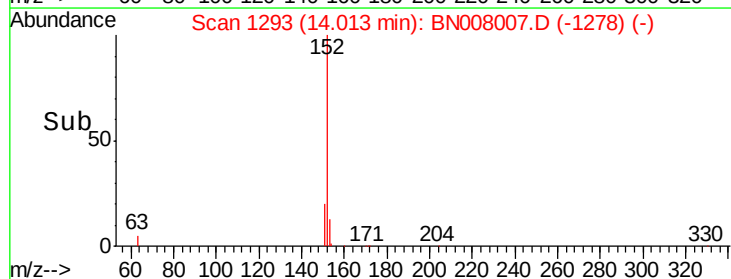
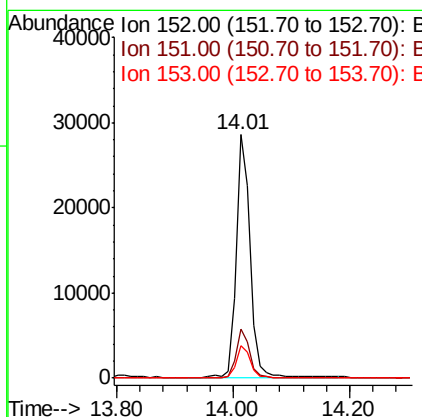
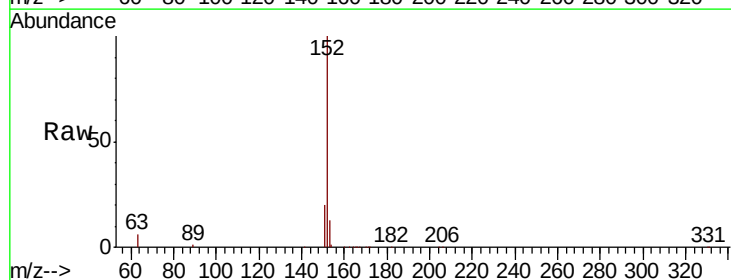
Instrument :
BNA_N
ClientSampleId :

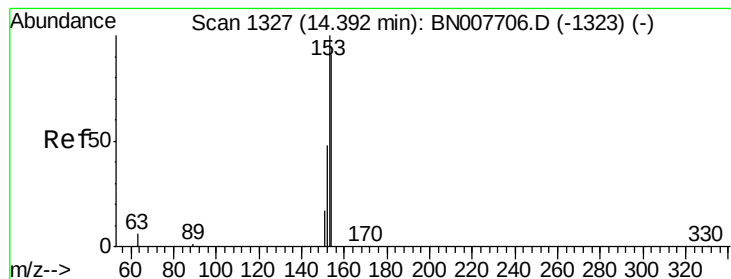
Tot Ion:172 Resp: 39440
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 22.5 19.5 29.3



#16
Acenaphthylene
Concen: 594.092 ng
RT: 14.01 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:152 Resp: 47262
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 572.982 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

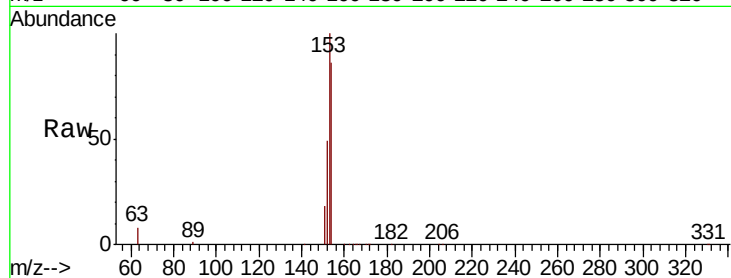
Tot Ion:154 Resp: 29387

Ion Ratio Lower Upper

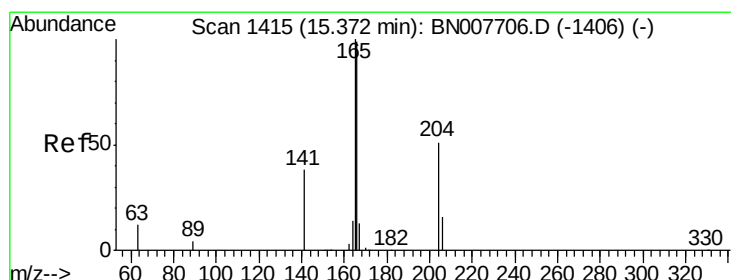
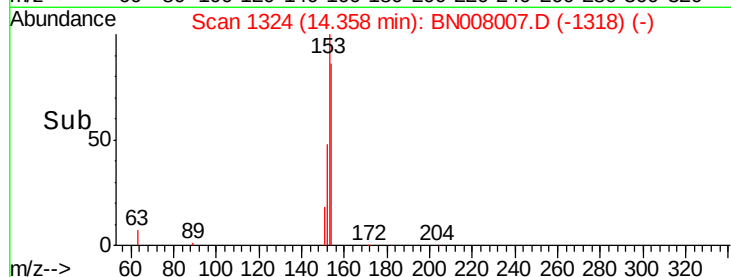
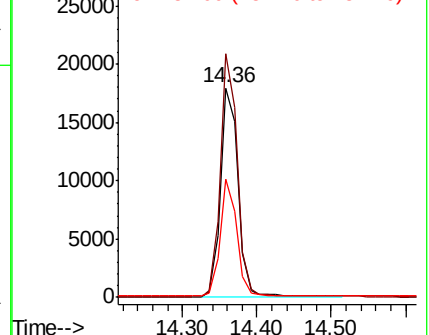
154 100

153 111.8 87.0 130.4

152 53.1 42.7 64.1



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: 570.575 ng

RT: 15.35 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

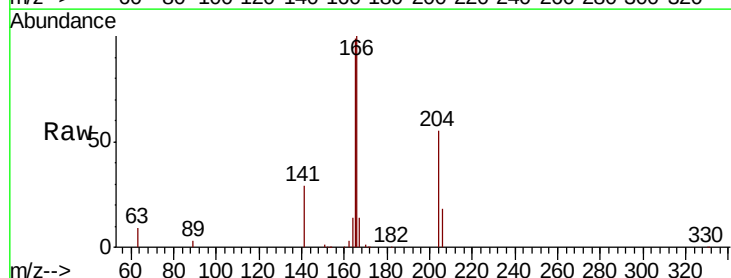
Tgt Ion:166 Resp: 37506

Ion Ratio Lower Upper

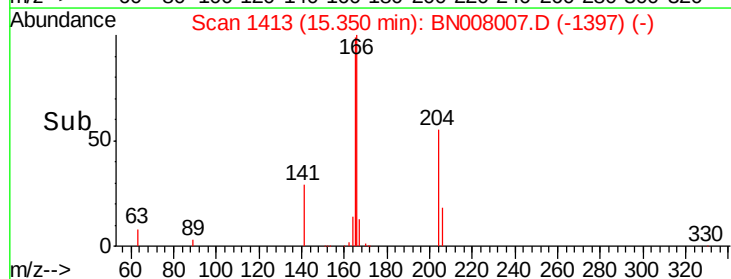
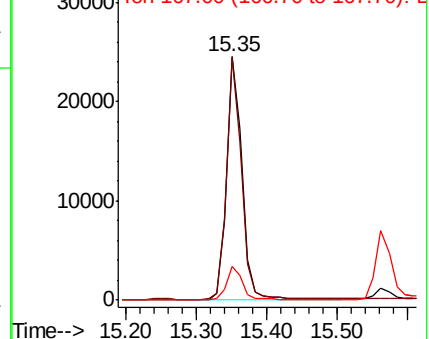
166 100

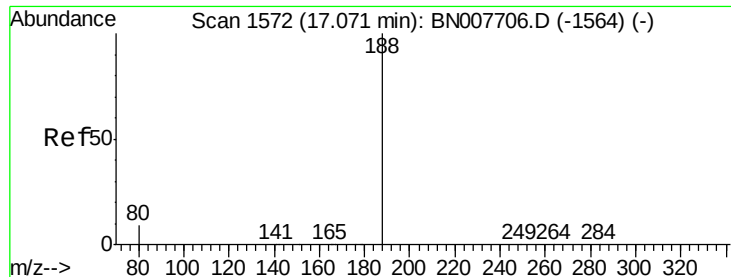
165 97.2 78.0 117.0

167 13.5 10.9 16.3



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: 17.05 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

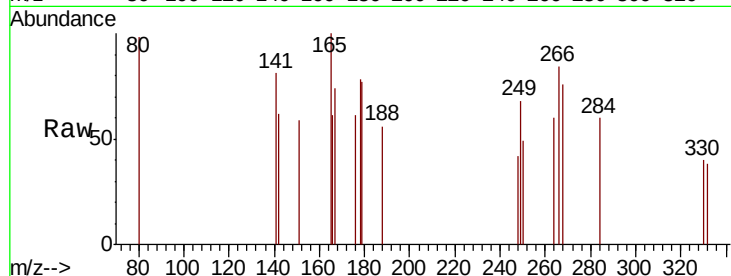
Tot Ion:188 Resp: 34

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

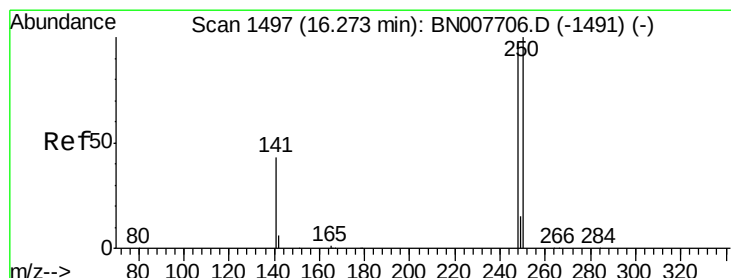
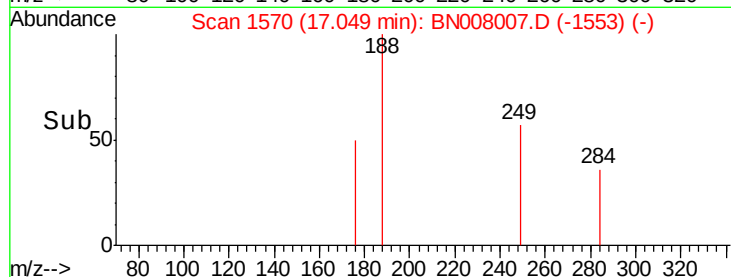
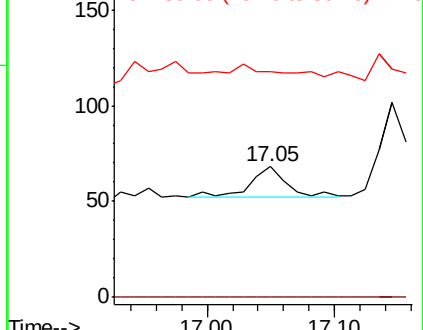
80 173.5 7.4 11.2#



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: 578.966 ng

RT: 16.24 min Scan# 1494

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

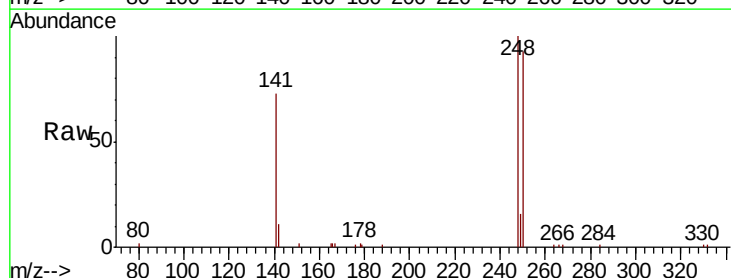
Tgt Ion:248 Resp: 11950

Ion Ratio Lower Upper

248 100

250 92.6 82.2 123.4

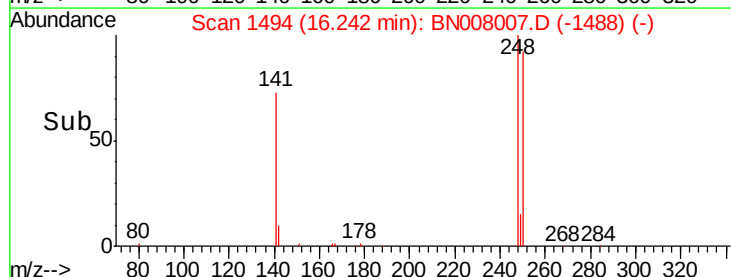
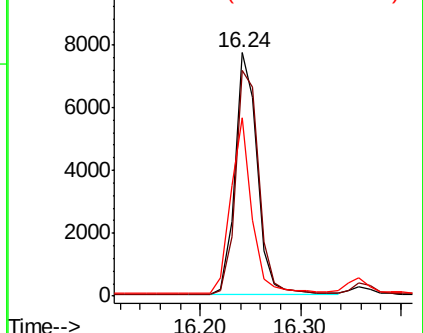
141 73.5 36.3 54.5#

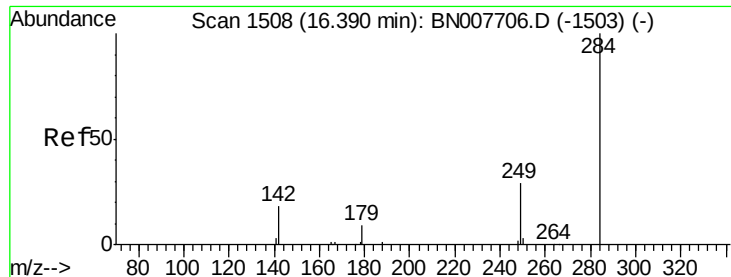


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

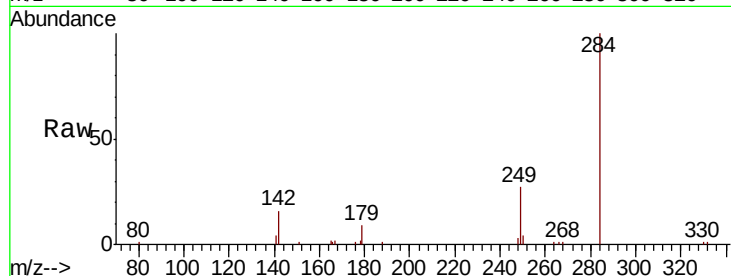




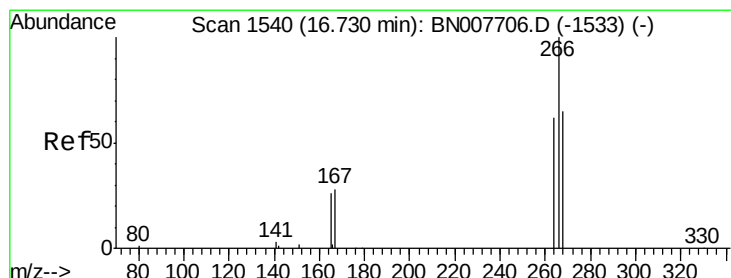
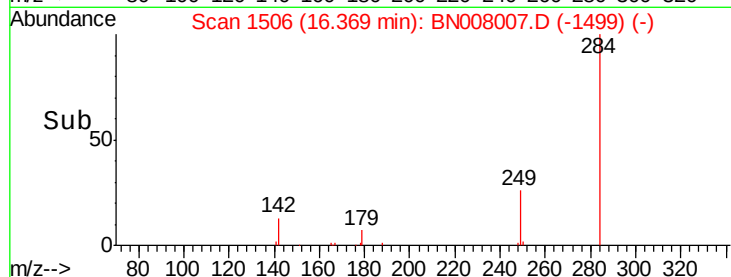
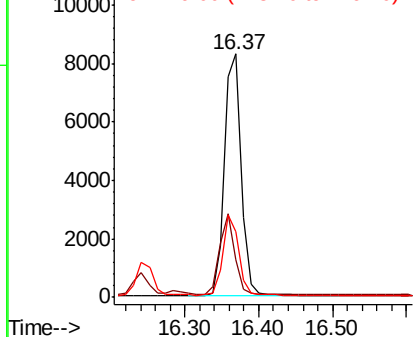
#21
Hexachlorobenzene
Concen: 591.342 ng
RT: 16.37 min Scan# 1506
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Instrument :
BNA_N
ClientSampled :

Tot Ion:284 Resp: 13341
Ion Ratio Lower Upper
284 100
142 30.6 25.8 38.6
249 30.8 25.9 38.9

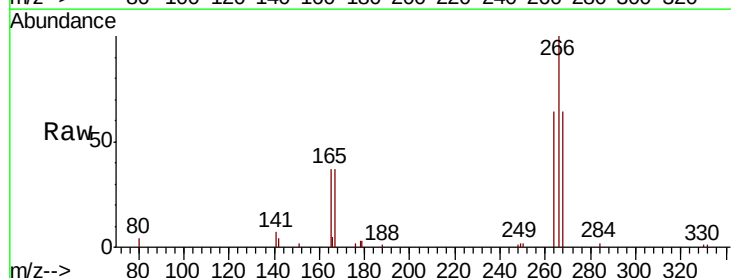


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

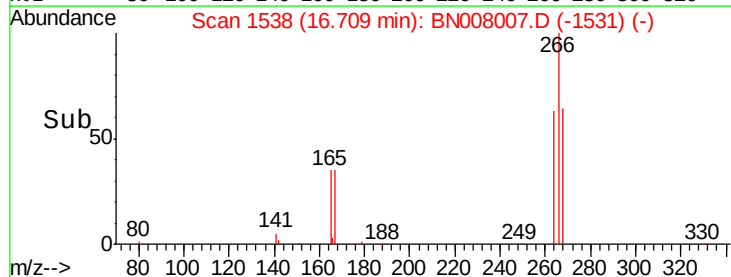
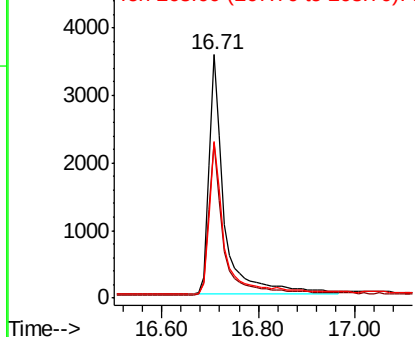


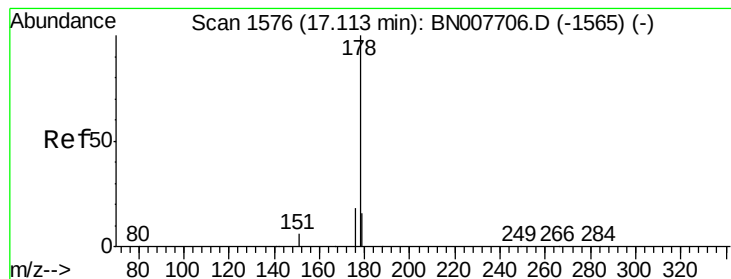
#22
Pentachlorophenol
Concen: 943.874 ng
RT: 16.71 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:266 Resp: 7852
Ion Ratio Lower Upper
266 100
264 63.5 50.0 75.0
268 64.3 54.2 81.4



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: 546.359 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

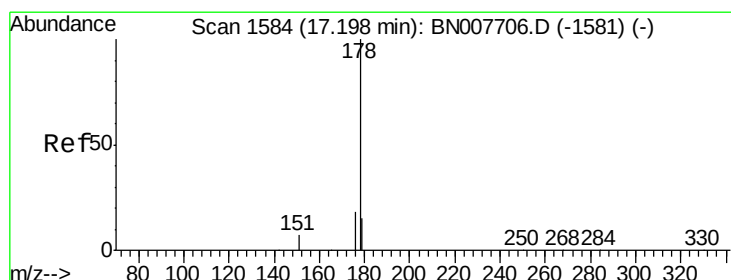
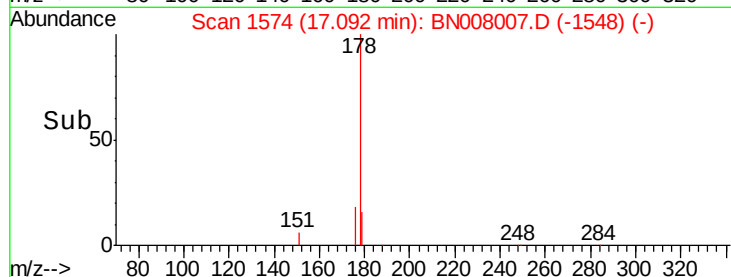
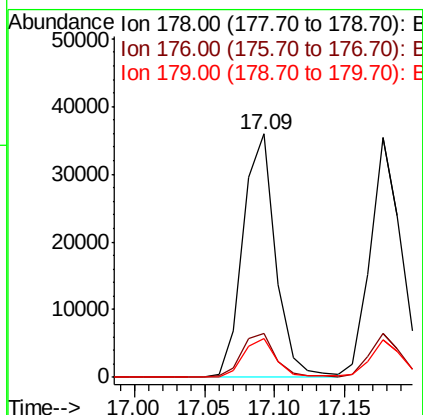
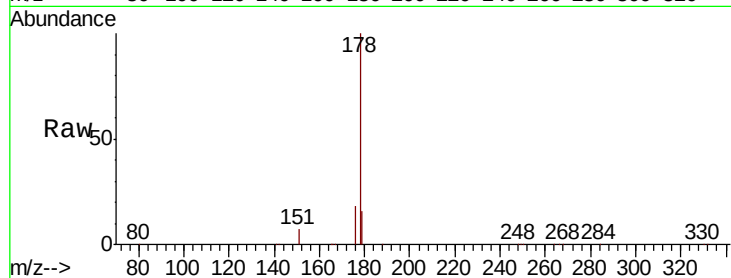
Tot Ion:178 Resp: 57868

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.4 12.5 18.7



#24

Anthracene

Concen: 581.503 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

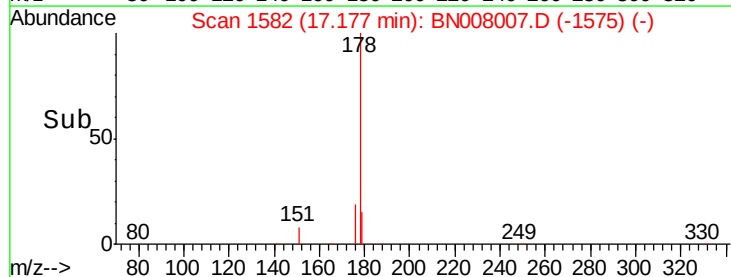
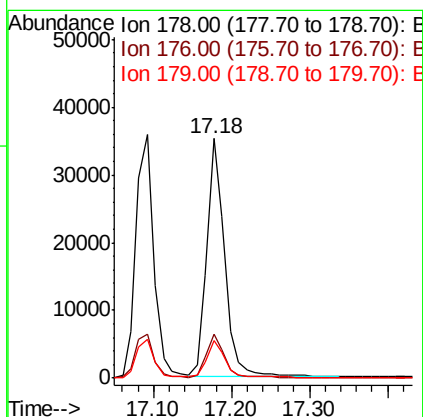
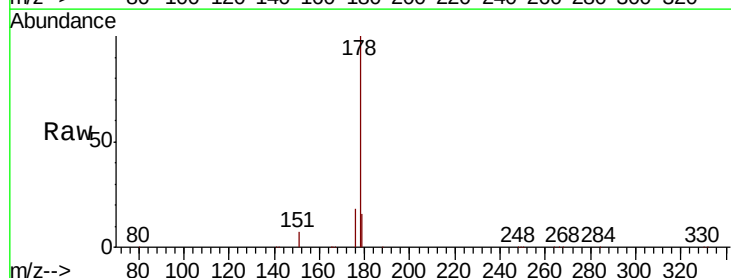
Tgt Ion:178 Resp: 55627

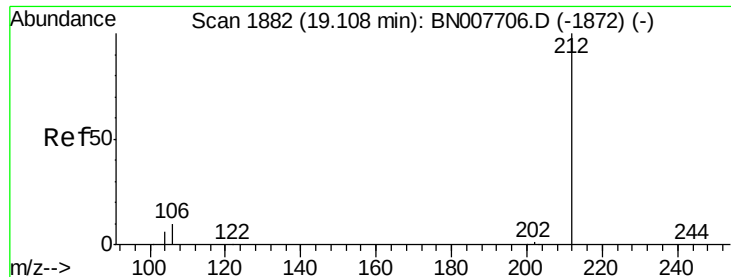
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.2 12.2 18.4





#25

Fluoranthene-d10

Concen: 527.394 ng

RT: 19.08 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

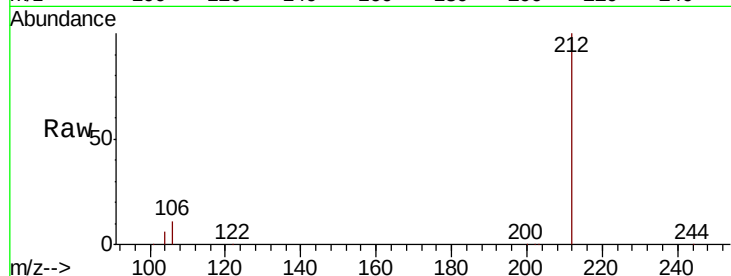
Tot Ion:212 Resp: 60436

Ion Ratio Lower Upper

212 100

106 11.4 9.4 14.0

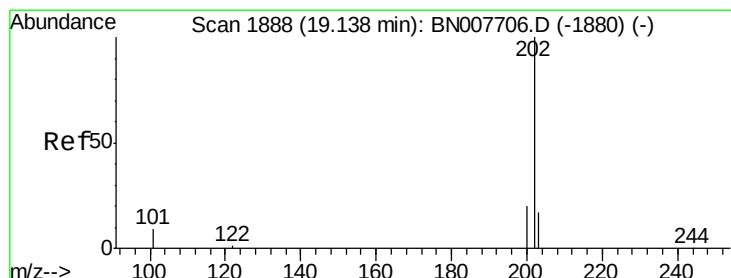
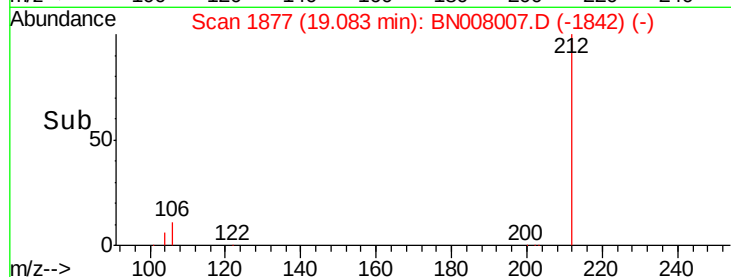
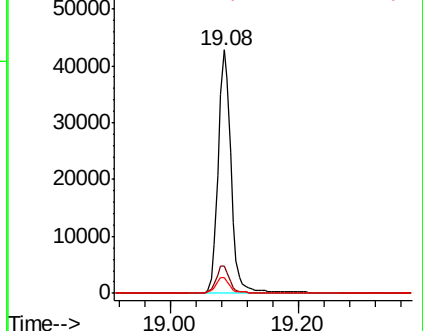
104 6.4 5.3 7.9



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: 510.014 ng

RT: 19.11 min Scan# 1883

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

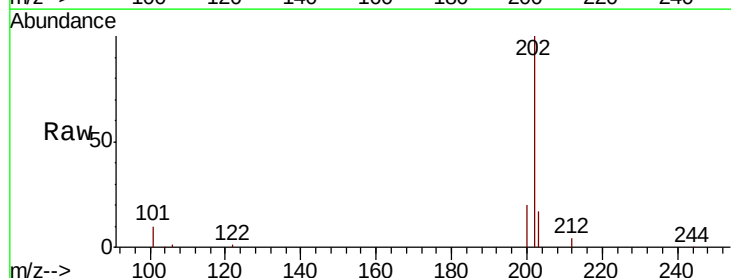
Tgt Ion:202 Resp: 67169

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

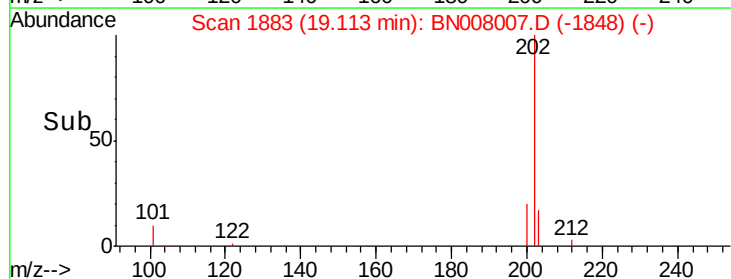
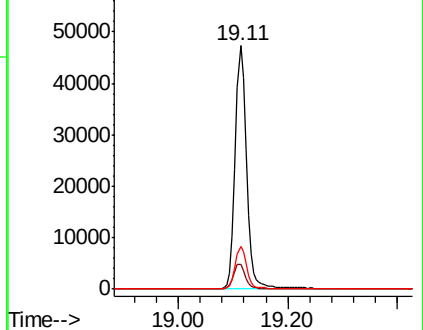
203 17.0 13.8 20.8

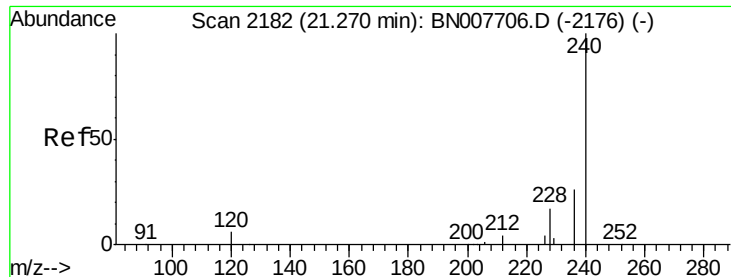


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

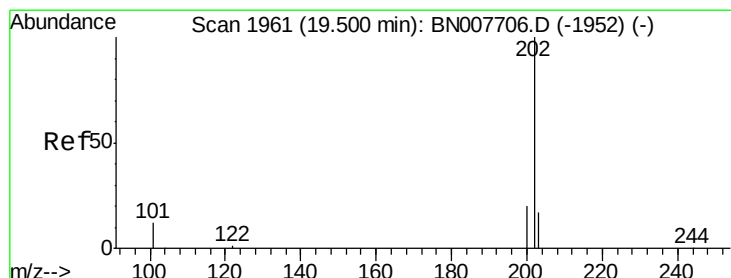
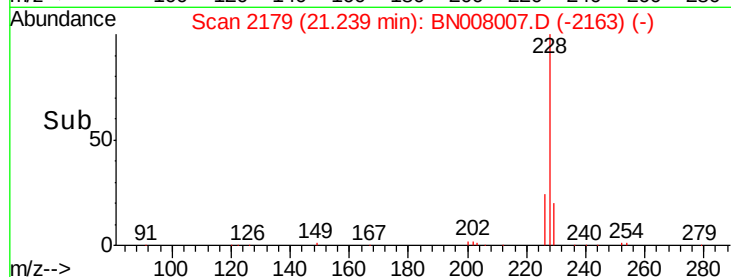
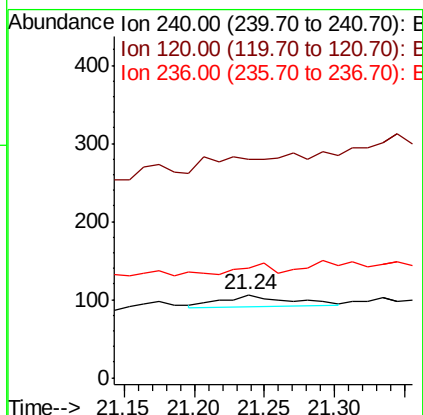
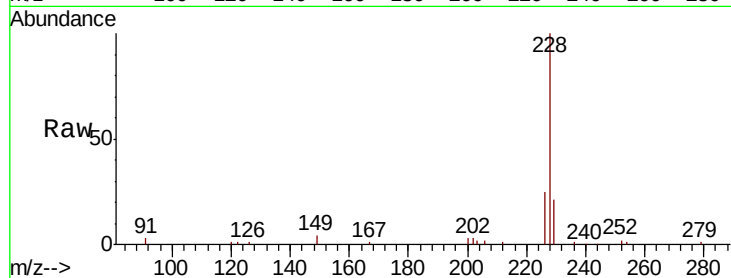




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

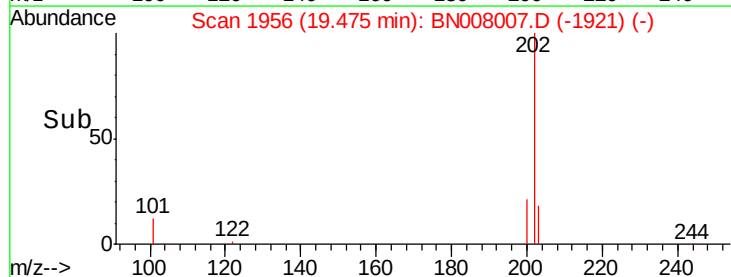
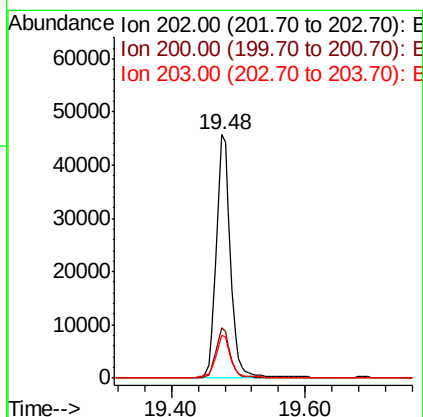
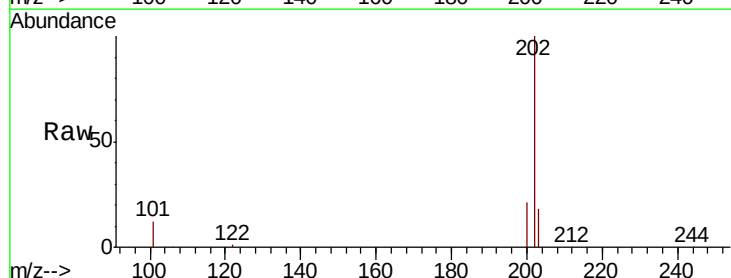
Instrument :
BNA_N
ClientSampled :

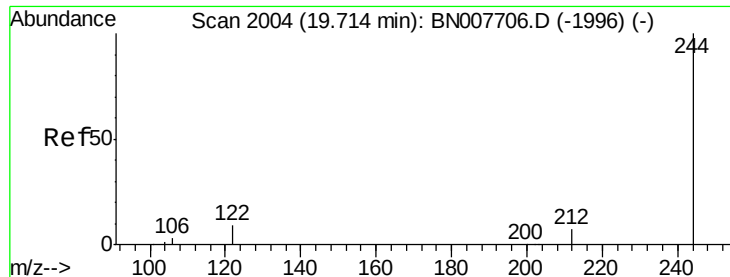
Tot Ion:240 Resp: 47
Ion Ratio Lower Upper
240 100
120 264.2 5.4 8.2#
236 132.1 21.0 31.4#



#28
Pyrene
Concen: 419.210 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:202 Resp: 67198
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 18.1 14.1 21.1





#29

Terphenyl-d14

Concen: 429.380 ng

RT: 19.69 min Scan# 1999

Delta R.T. -0.02 min

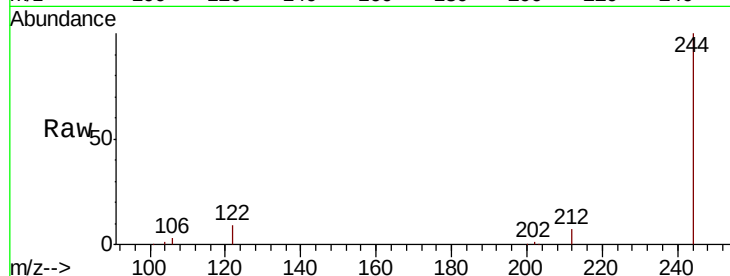
Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampled :



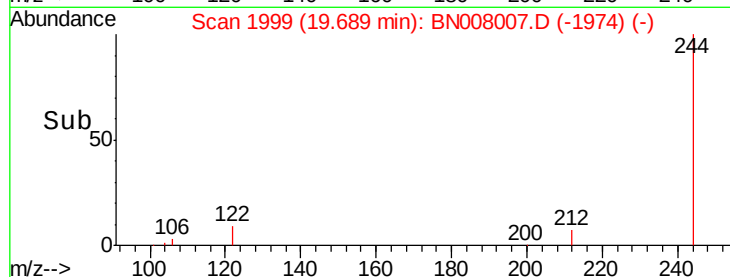
Tot Ion:244 Resp: 49570

Ion Ratio Lower Upper

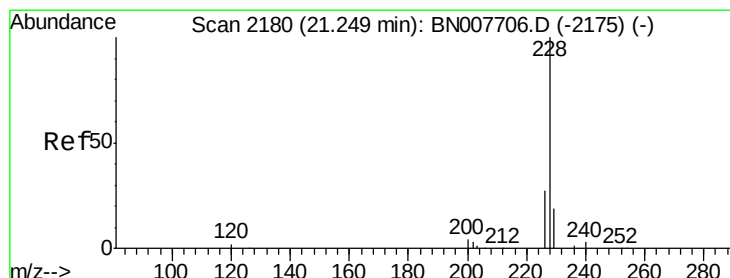
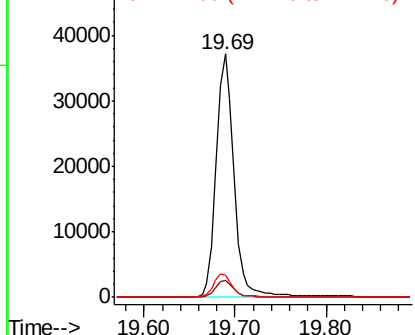
244 100

212 7.1 5.9 8.9

122 9.2 7.4 11.2



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: 331.560 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

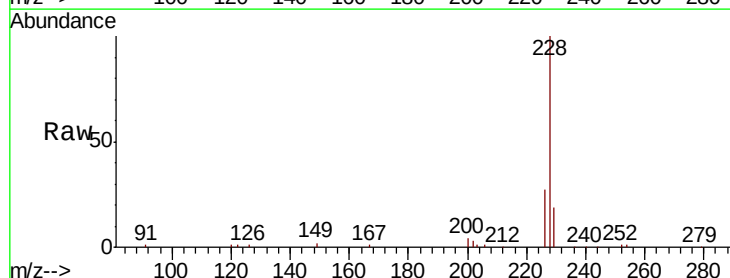
Tgt Ion:228 Resp: 57386

Ion Ratio Lower Upper

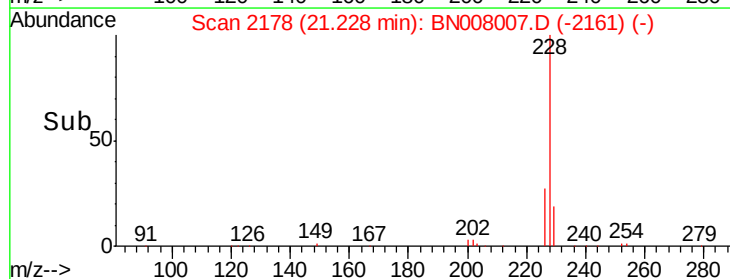
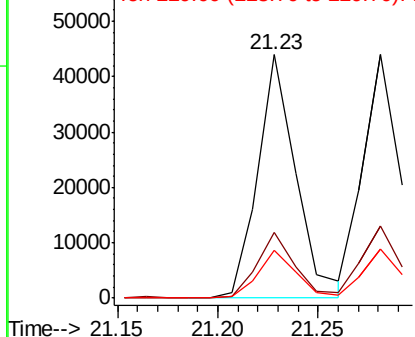
228 100

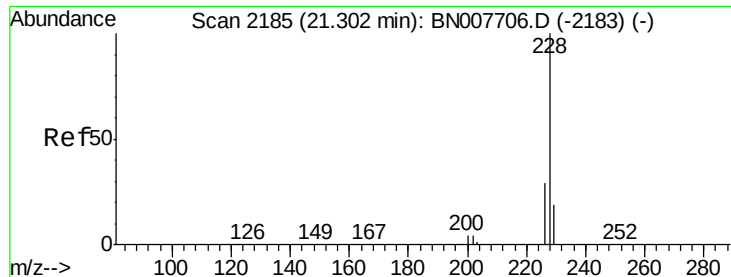
226 26.9 22.1 33.1

229 19.5 15.8 23.6



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: 339.238 ng

RT: 21.28 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampled :

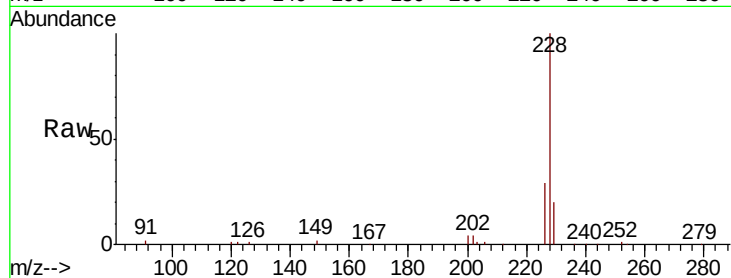
Tot Ion:228 Resp: 57223

Ion Ratio Lower Upper

228 100

226 29.4 23.9 35.9

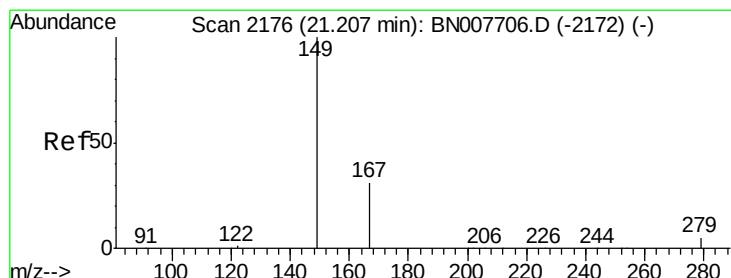
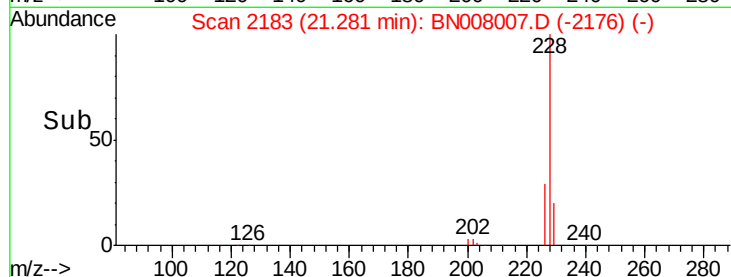
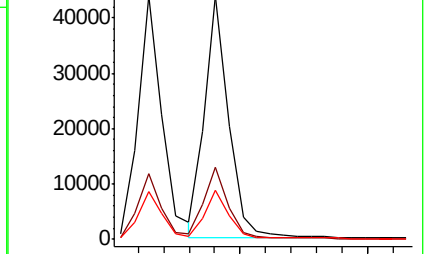
229 19.9 15.8 23.6



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: 291.492 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

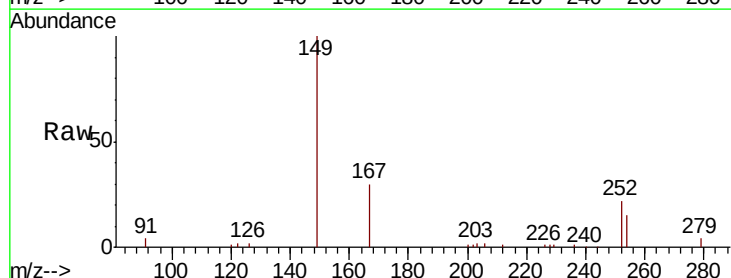
Tgt Ion:149 Resp: 25947

Ion Ratio Lower Upper

149 100

167 29.5 23.7 35.5

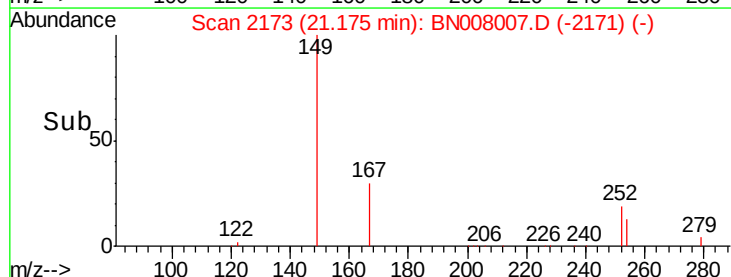
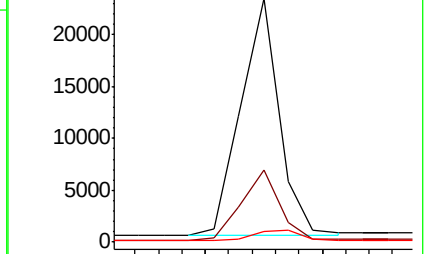
279 5.3 4.2 6.2

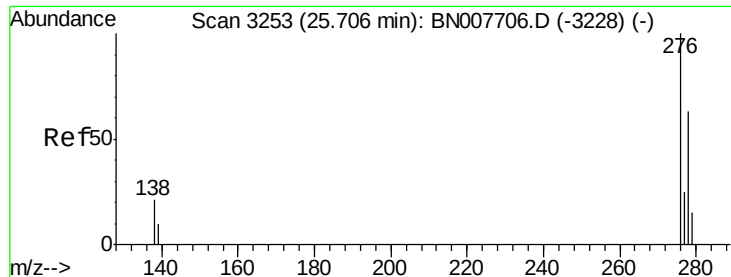


Abundance Ion 149.00 (148.70 to 149.70): E

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: 218.541 ng

RT: 25.66 min Scan# 3238

Delta R.T. -0.05 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

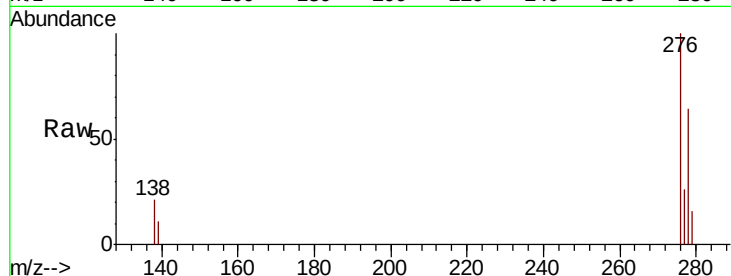
Tot Ion:276 Resp: 46154

Ion Ratio Lower Upper

276 100

138 19.9 17.1 25.7

277 25.0 20.0 30.0

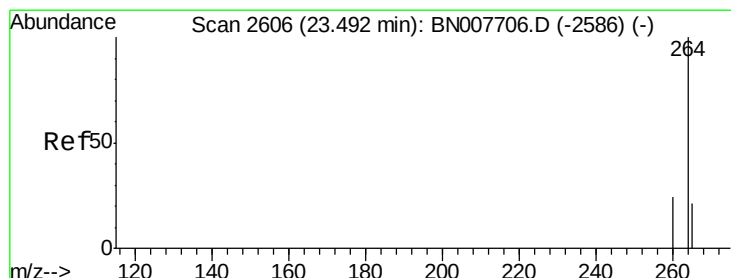
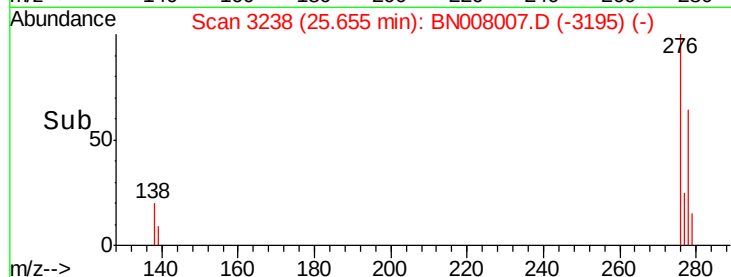
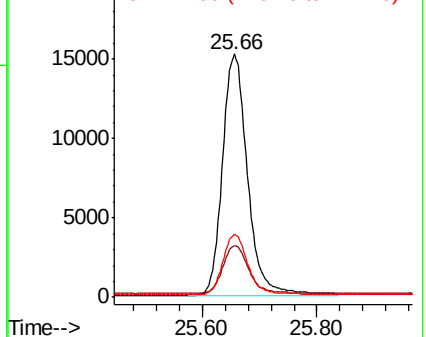


Abundance

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: 23.46 min Scan# 2596

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

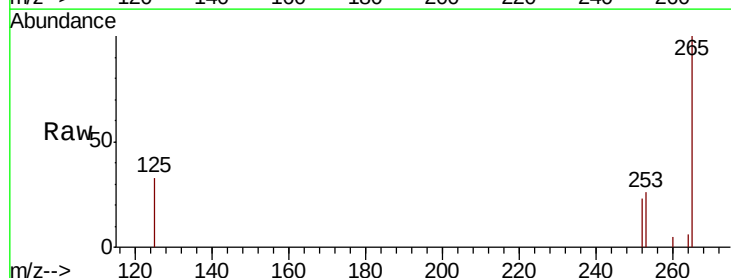
Tgt Ion:264 Resp: 4

Ion Ratio Lower Upper

264 100

260 72.4 19.3 28.9#

265 1589.4 26.9 40.3#

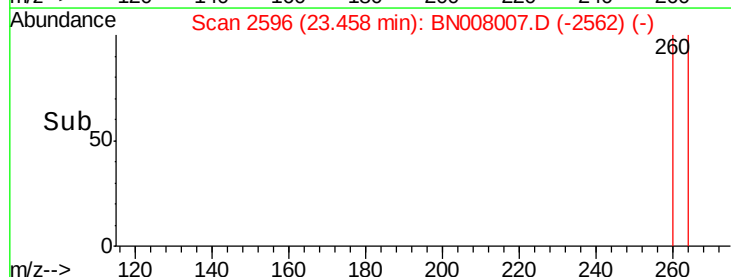
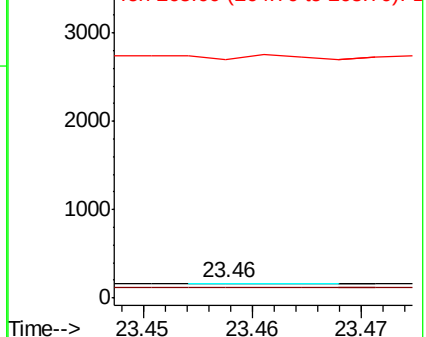


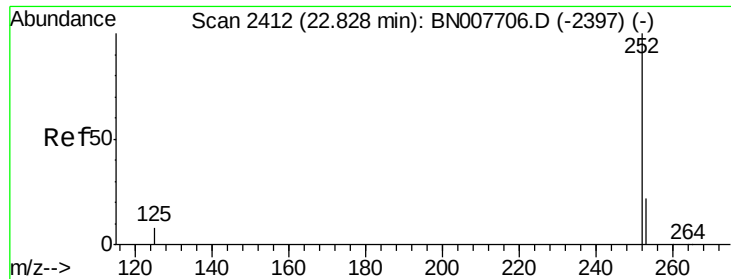
Abundance

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

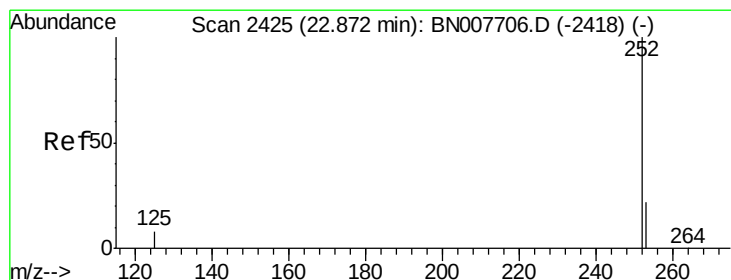
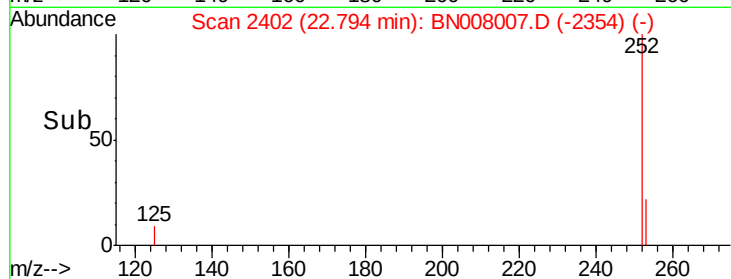
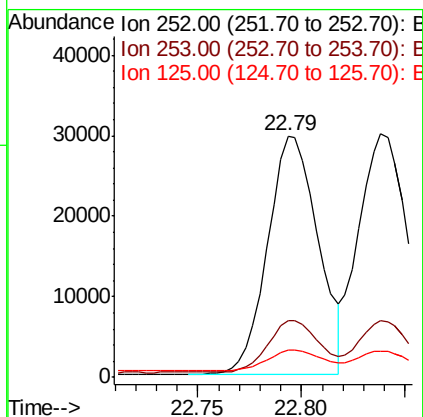
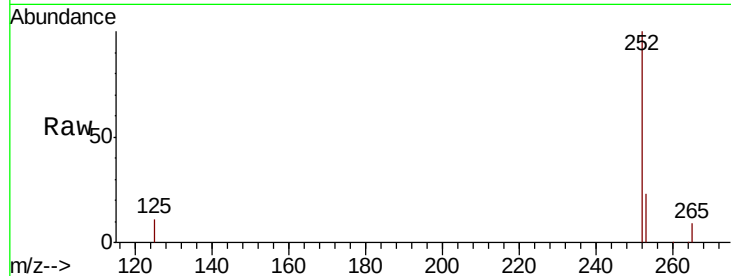




#35
Benzo(b)fluoranthene
Concen: 3584.928 ng
RT: 22.79 min Scan# 2402
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

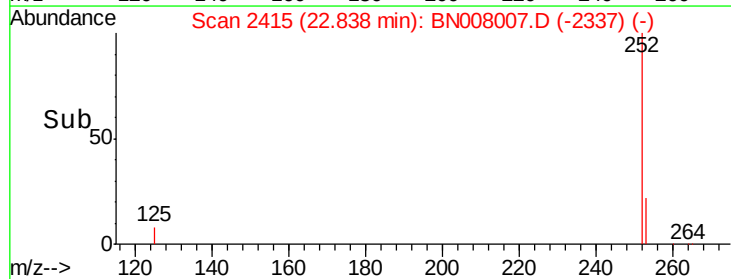
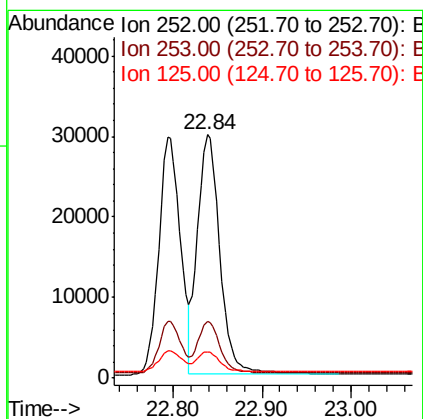
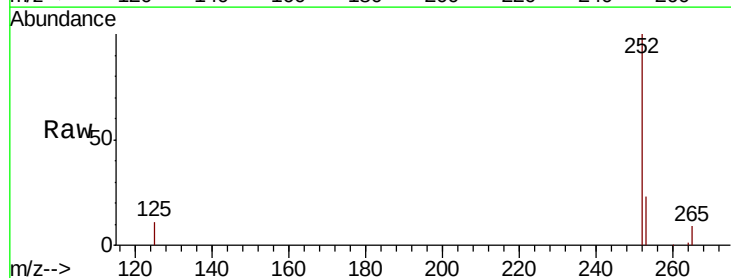
Instrument :
BNA_N
ClientSampleId :

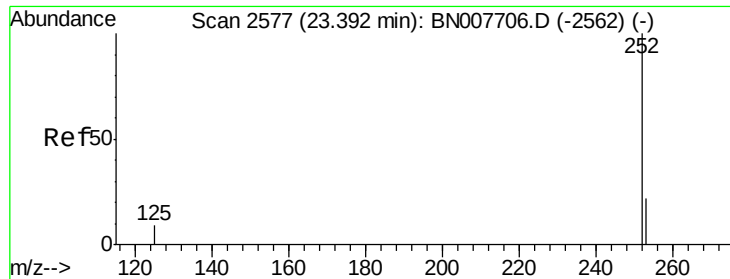
Tot Ion:252 Resp: 49783
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 11.1 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 3796.491 ng
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008007.D
Acq: 04 Oct 2019 17:23

Tgt Ion:252 Resp: 52132
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 10.9 8.4 12.6





#37

Benzo(a)pyrene

Concen: 3624.646 ng

RT: 23.36 min Scan# 2567

Delta R.T. -0.03 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :

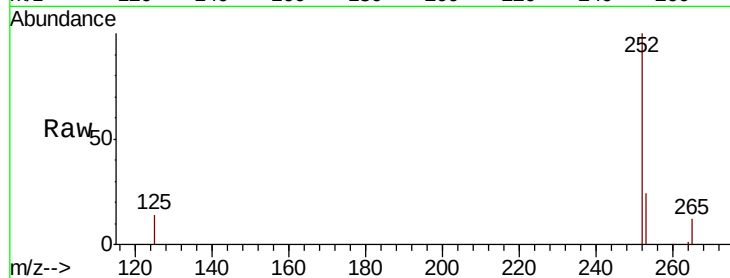
Tot Ion:252 Resp: 47301

Ion Ratio Lower Upper

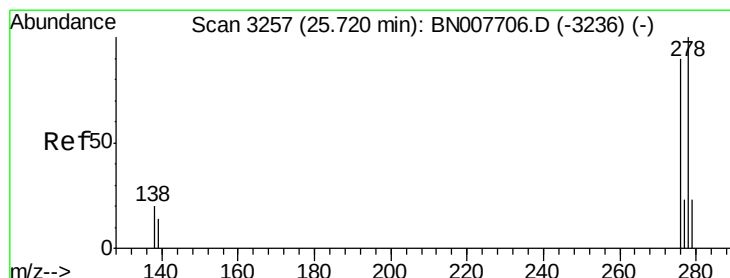
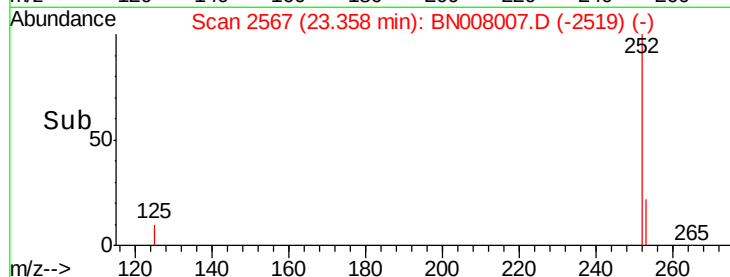
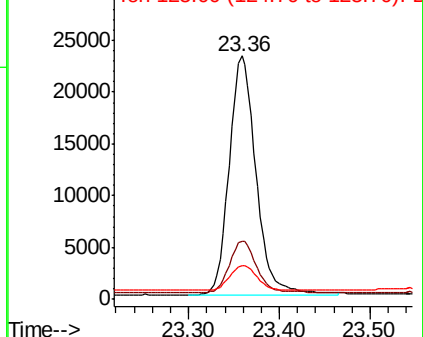
252 100

253 24.1 18.6 27.8

125 13.8 9.4 14.0



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



#38

Dibenzo(a,h)anthracene

Concen: 2848.208 ng

RT: 25.67 min Scan# 3241

Delta R.T. -0.05 min

Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

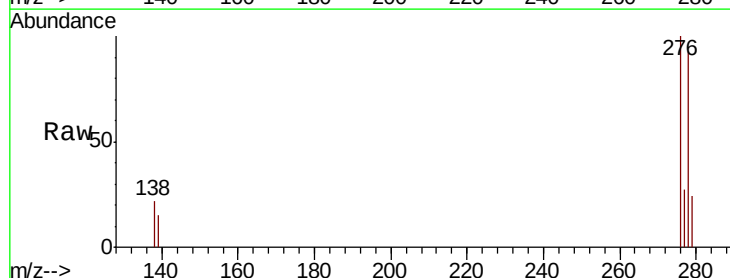
Tgt Ion:278 Resp: 38032

Ion Ratio Lower Upper

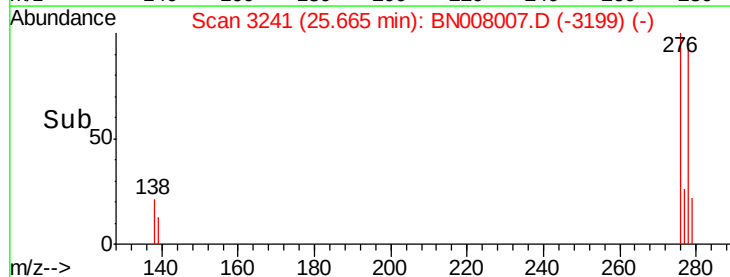
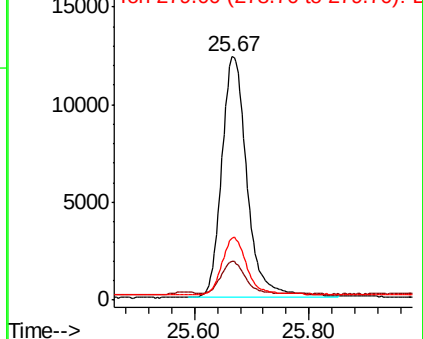
278 100

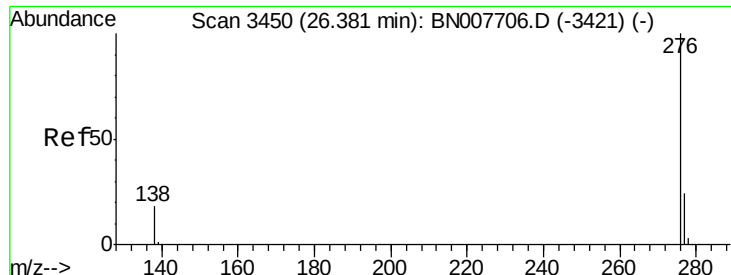
139 15.9 11.8 17.6

279 25.3 19.4 29.2



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: 2889.612 ng

RT: 26.33 min Scan# 3434

Delta R.T. -0.05 min

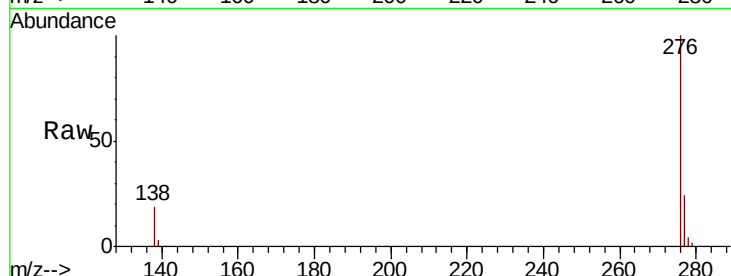
Lab File: BN008007.D

Acq: 04 Oct 2019 17:23

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 38179

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 19.4 15.1 22.7

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

