

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006707.D
 Acq On : 05 Jul 2019 10:12
 Operator : HP/JU
 Sample : PB120849BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB120849BS

Quant Time: Jul 05 10:44:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 05:30:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3740	0.40	ng	-0.03
7) Naphthalene-d8	10.36	136	15256	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	9259	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	21631	0.40	ng	-0.02
27) Chrysene-d12	21.24	240	24405	0.40	ng	-0.02
34) Perylene-d12	23.46	264	26284	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	3953	0.39	ng	-0.02
5) Phenol-d6	6.80	99	5253	0.41	ng	-0.03
8) Nitrobenzene-d5	8.77	82	4572	0.39	ng	-0.03
11) 2-Methylnaphthalene-d10	11.97	152	9676	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	2118	0.47	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	14375	0.40	ng	-0.02
25) Fluoranthene-d10	19.05	212	26544	0.43	ng	-0.02
29) Terphenyl-d14	19.66	244	18618	0.33	ng	-0.02

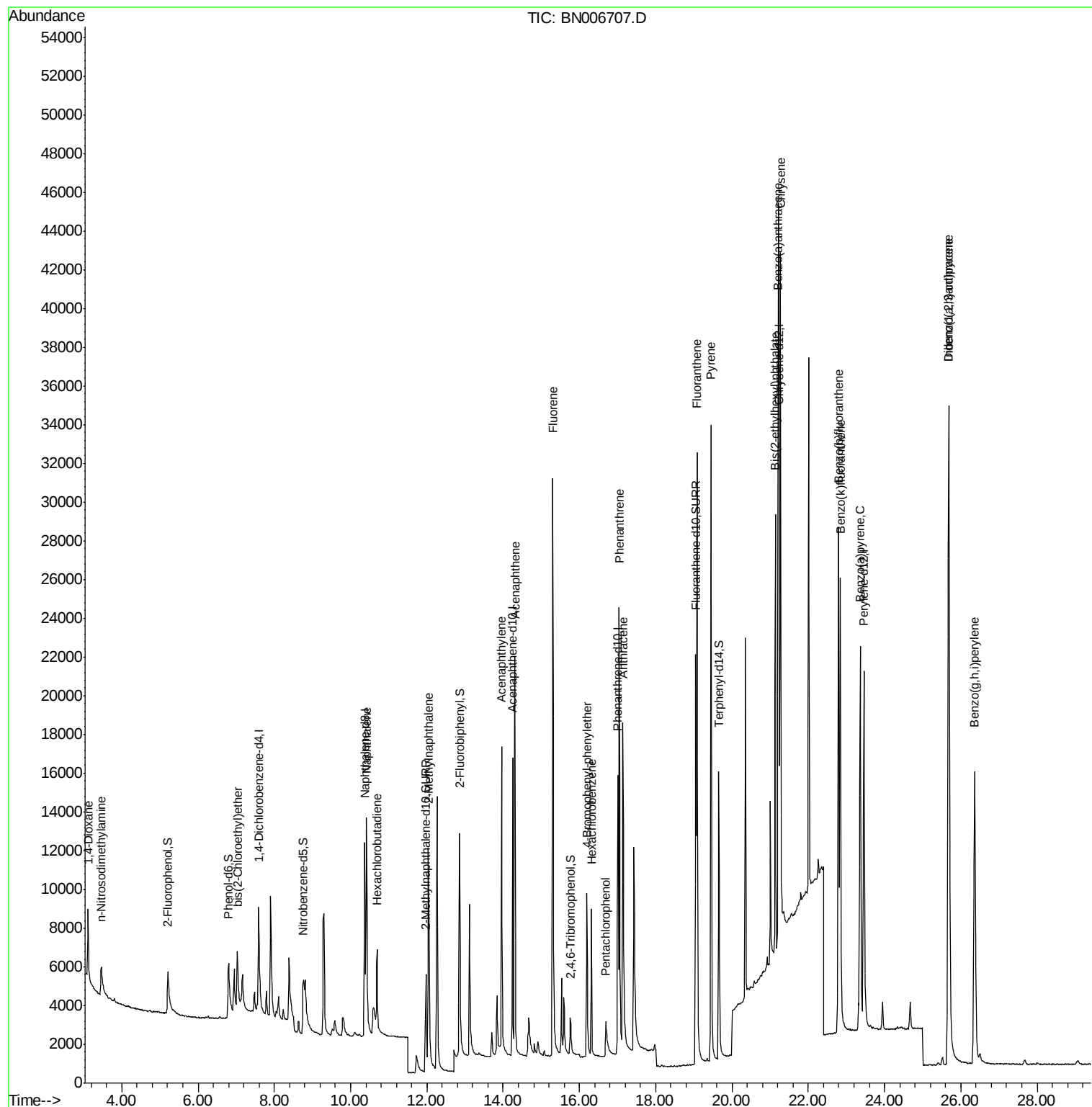
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	2376	0.407	ng	98
3) n-Nitrosodimethylamine	3.46	42	1969	0.447	ng	# 86
6) bis(2-Chloroethyl)ether	7.03	93	4350	0.400	ng	99
9) Naphthalene	10.41	128	17402	0.417	ng	100
10) Hexachlorobutadiene	10.69	225	3453	0.409	ng	# 100
12) 2-Methylnaphthalene	12.04	142	11482	0.390	ng	98
16) Acenaphthylene	13.96	152	19791	0.429	ng	100
17) Acenaphthene	14.31	154	12271	0.417	ng	98
18) Fluorene	15.30	166	15585	0.427	ng	100
20) 4-Bromophenyl-phenylether	16.20	248	5034	0.395	ng	98
21) Hexachlorobenzene	16.31	284	6196	0.409	ng	98
22) Pentachlorophenol	16.70	266	2393	1.155	ng	# 85
23) Phenanthrene	17.05	178	25378	0.407	ng	99
24) Anthracene	17.14	178	22831	0.405	ng	99
26) Fluoranthene	19.09	202	32254	0.441	ng	100
28) Pyrene	19.45	202	33846	0.347	ng	100
30) Benzo(a)anthracene	21.21	228	31139	0.370	ng	99
31) Chrysene	21.27	228	31904	0.368	ng	99
32) Bis(2-ethylhexyl)phthalate	21.14	149	19121	0.076	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	41749	0.402	ng	98
35) Benzo(b)fluoranthene	22.79	252	32982	0.391	ng	96
36) Benzo(k)fluoranthene	22.84	252	35145	0.384	ng	96
37) Benzo(a)pyrene	23.36	252	32900	0.403	ng	95
38) Dibenzo(a,h)anthracene	25.69	278	33204	0.409	ng	96
39) Benzo(g,h,i)perylene	26.36	276	34931	0.418	ng	96

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

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QLast Update : Fri Jul 05 05:30:28 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.59 min Scan# 566

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

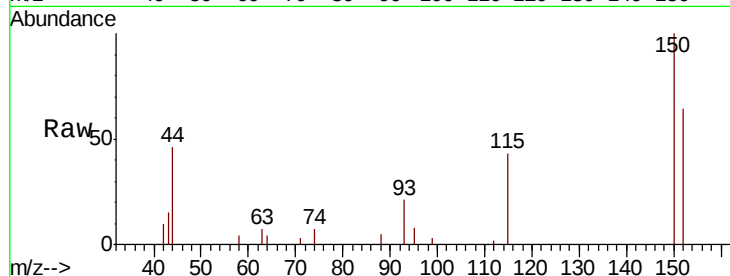
Tot Ion:152 Resp: 3740

Ion Ratio Lower Upper

152 100

150 155.7 120.6 181.0

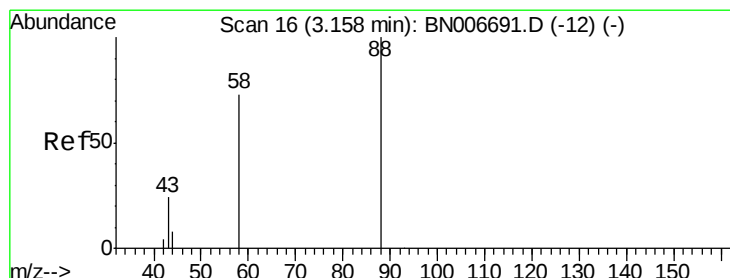
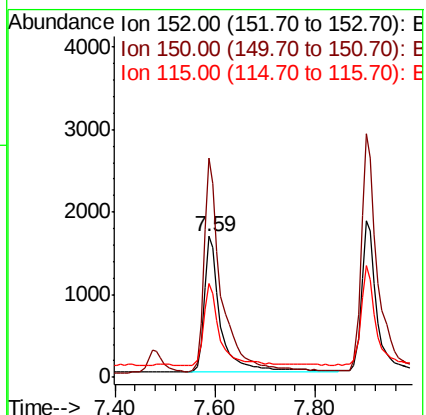
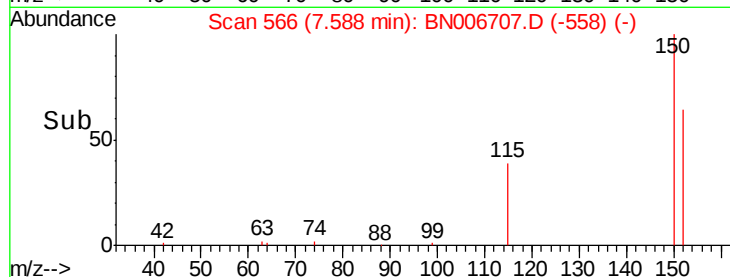
115 66.8 51.0 76.6



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: 0.407 ng

RT: 3.12 min Scan# 11

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

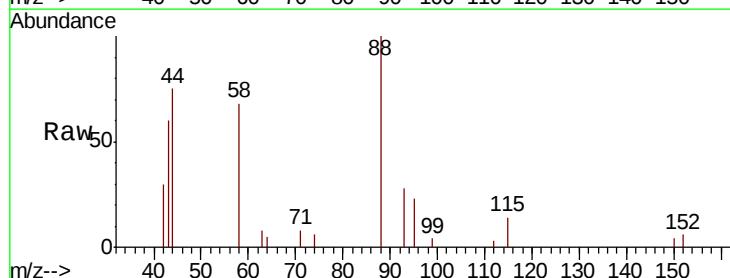
Tgt Ion: 88 Resp: 2376

Ion Ratio Lower Upper

88 100

58 78.0 61.1 91.7

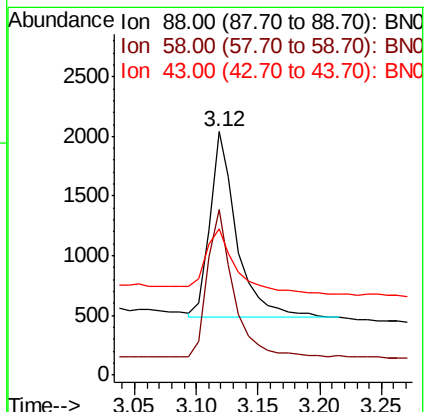
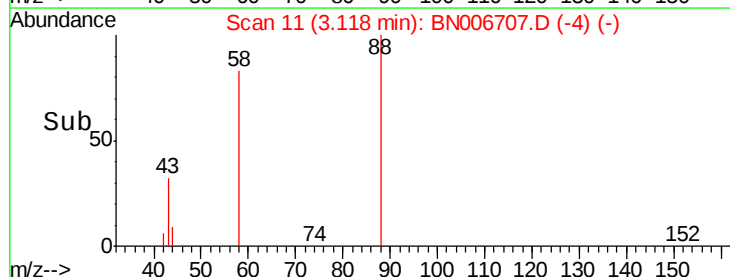
43 41.5 32.4 48.6

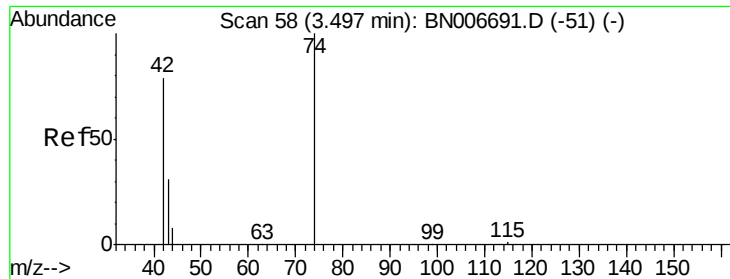


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.447 ng

RT: 3.46 min Scan# 54

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

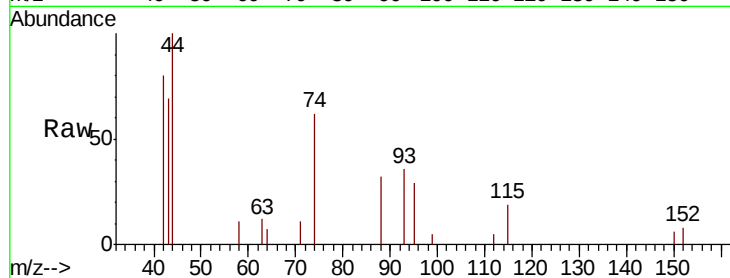
Tot Ion: 42 Resp: 1969

Ion Ratio Lower Upper

42 100

74 117.1 106.6 160.0

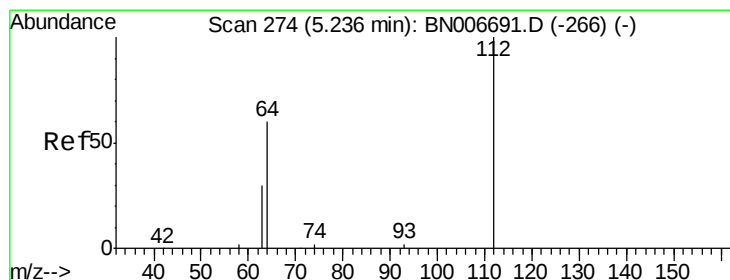
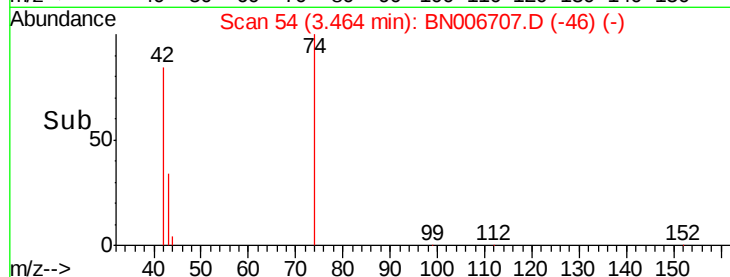
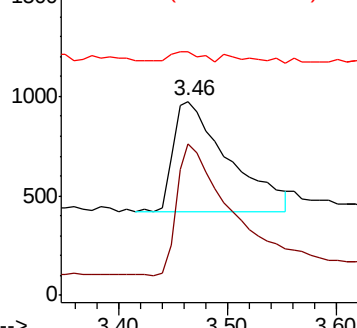
44 5.0 8.0 12.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.389 ng

RT: 5.21 min Scan# 271

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

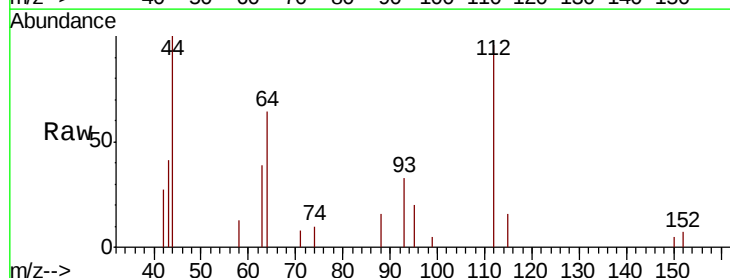
Tgt Ion: 112 Resp: 3953

Ion Ratio Lower Upper

112 100

64 64.3 49.8 74.6

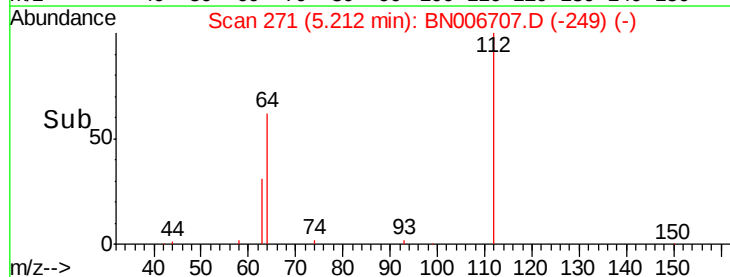
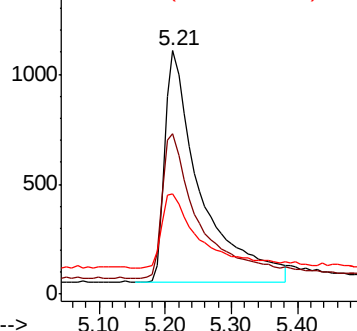
63 34.6 25.8 38.6

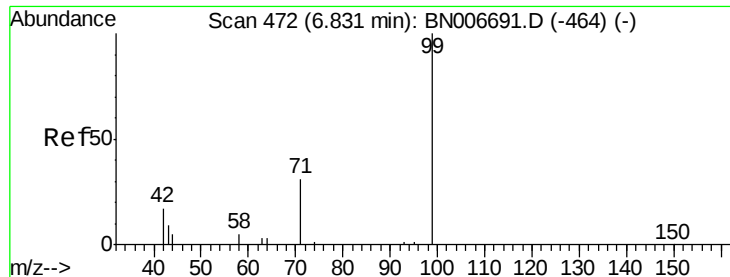


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.409 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

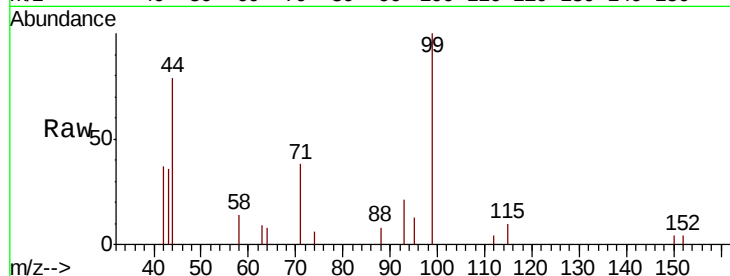
Tot Ion: 99 Resp: 5253

Ion Ratio Lower Upper

99 100

42 21.6 16.6 25.0

71 34.8 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BN006707.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006707.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006707.D (-460) (-)

6.80

1500

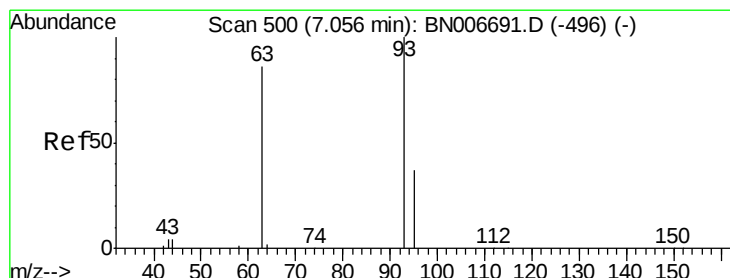
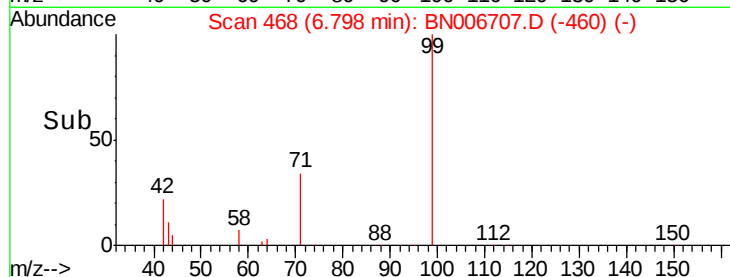
1000

500

0

6.70 6.80 6.90 7.00

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 7.03 min Scan# 497

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

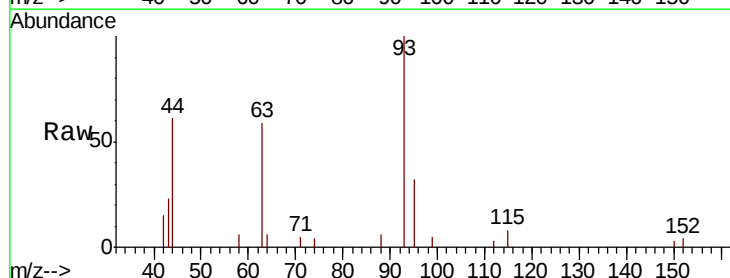
Tgt Ion: 93 Resp: 4350

Ion Ratio Lower Upper

93 100

63 72.8 58.6 87.8

95 34.6 28.3 42.5



Abundance Ion 93.00 (92.70 to 93.70): BN006707.D (-475) (-)

Ion 63.00 (62.70 to 63.70): BN006707.D (-475) (-)

Ion 95.00 (94.70 to 95.70): BN006707.D (-475) (-)

7.03

3000

2500

2000

1500

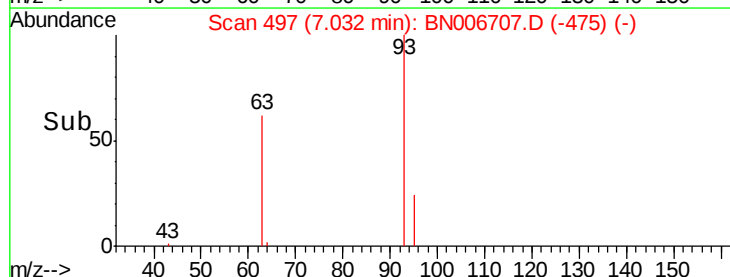
1000

500

0

7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.36 min Scan# 827

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

Tot Ion:136 Resp: 15256

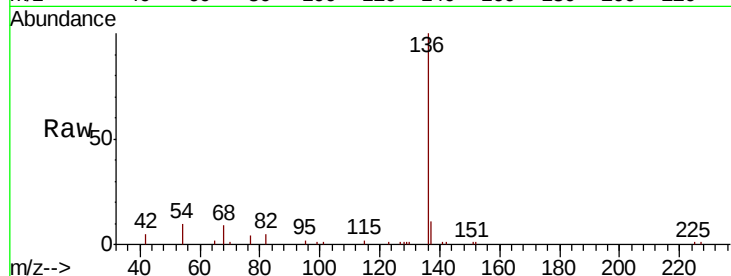
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 10.0 8.4 12.6

68 8.7 6.8 10.2

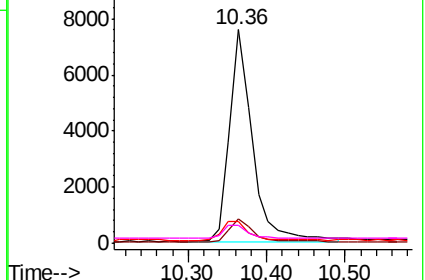
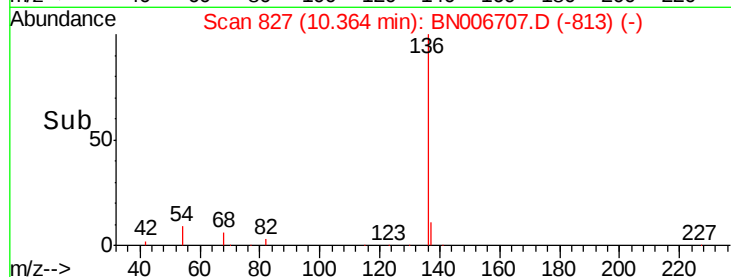


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 8.77 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

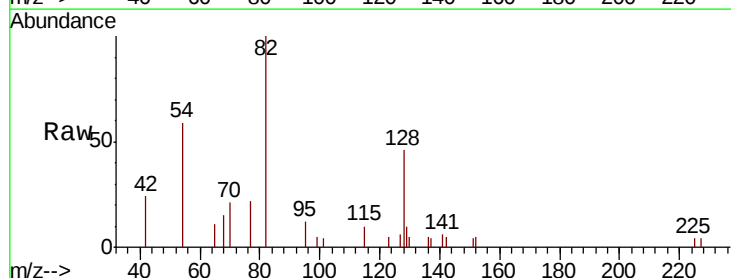
Tgt Ion: 82 Resp: 4572

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

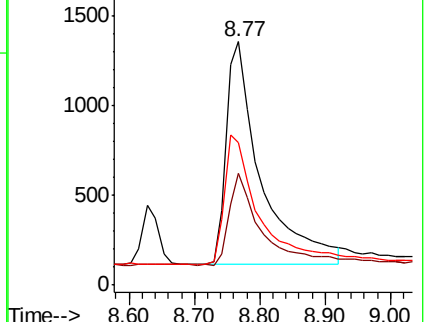
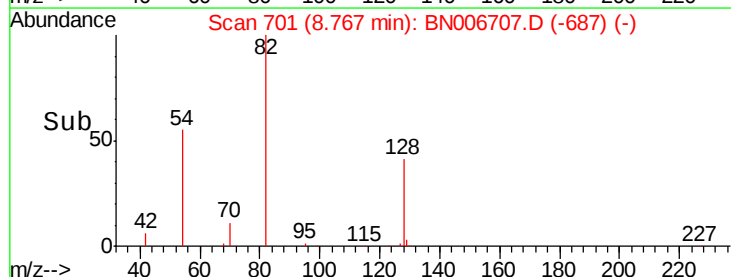
54 58.7 44.5 66.7



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: 0.417 ng

RT: 10.41 min Scan# 831

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

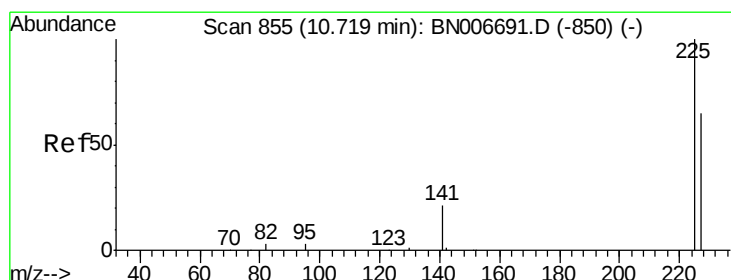
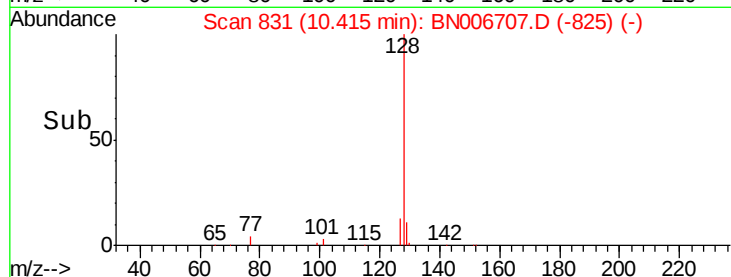
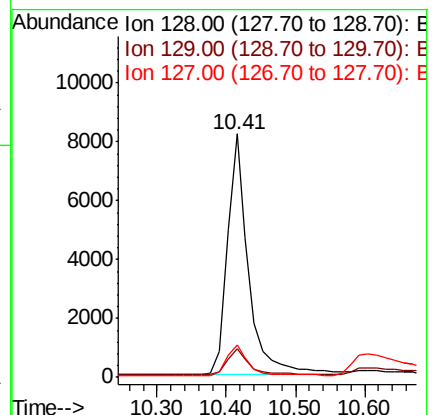
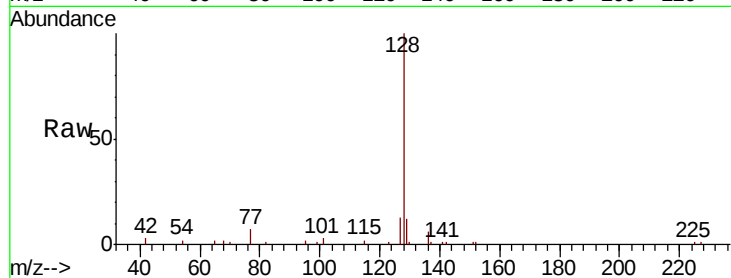
Tot Ion:128 Resp: 17402

Ion Ratio Lower Upper

128 100

129 11.9 9.6 14.4

127 13.5 11.0 16.4



#10

Hexachlorobutadiene

Concen: 0.409 ng

RT: 10.69 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

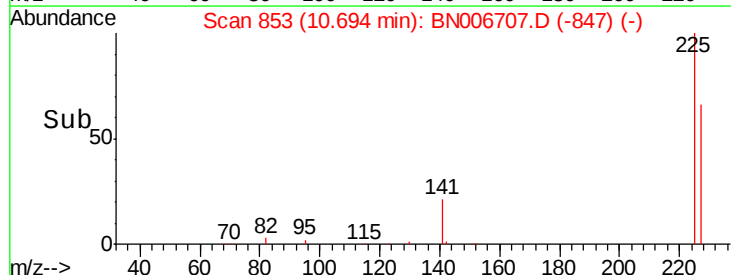
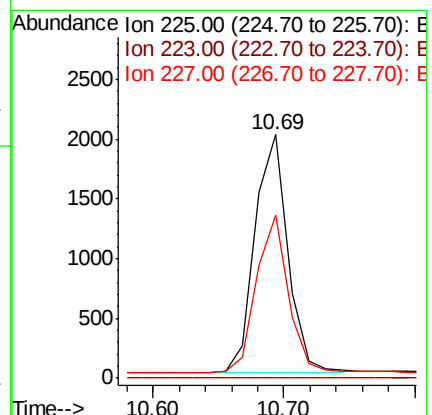
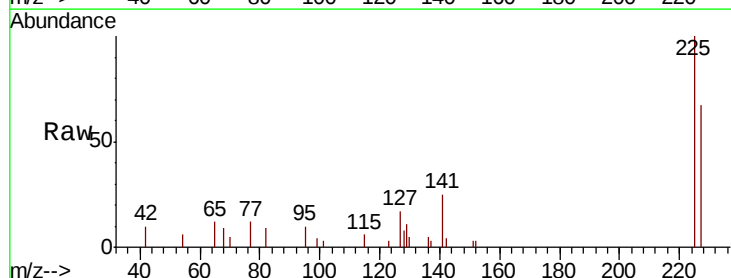
Tgt Ion:225 Resp: 3453

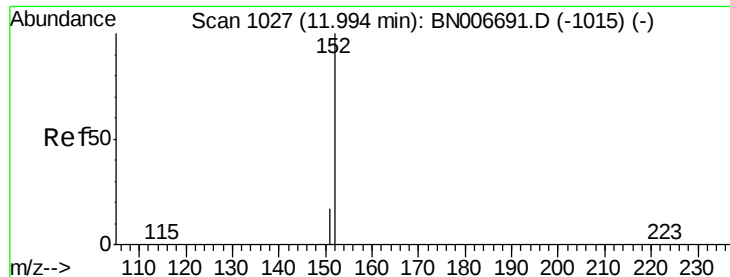
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.7 50.9 76.3

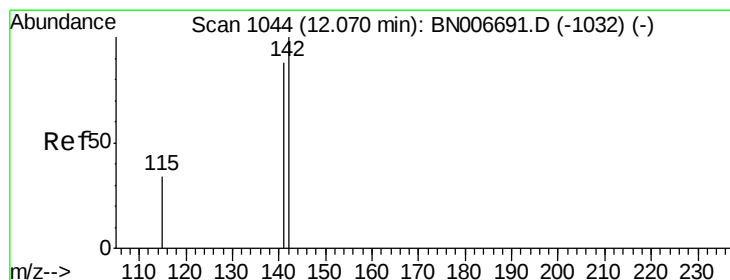
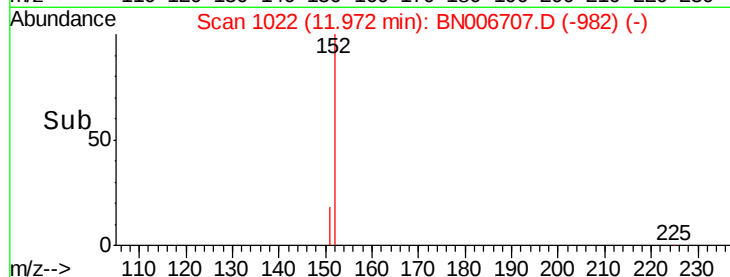
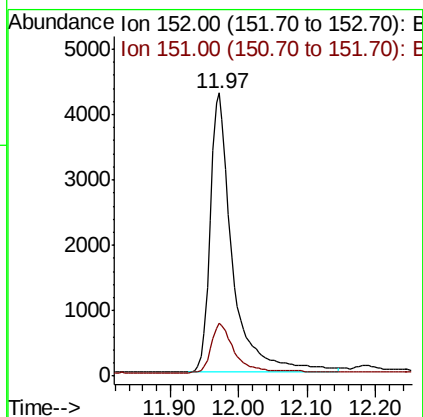
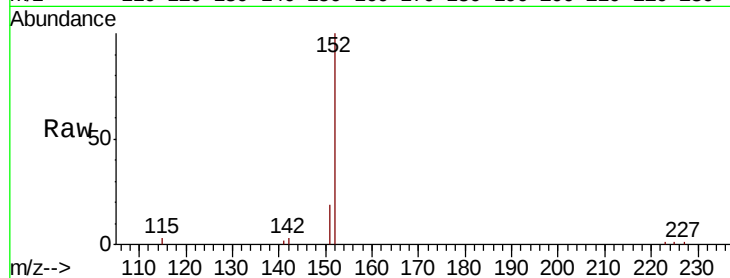




#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 11.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

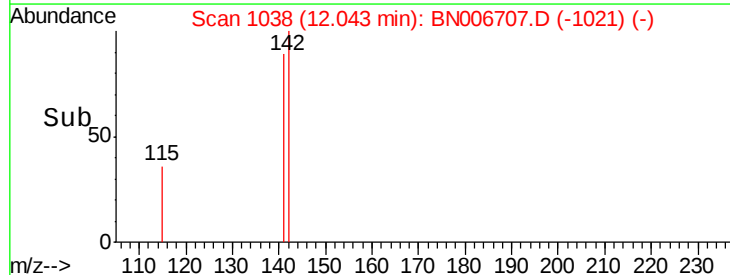
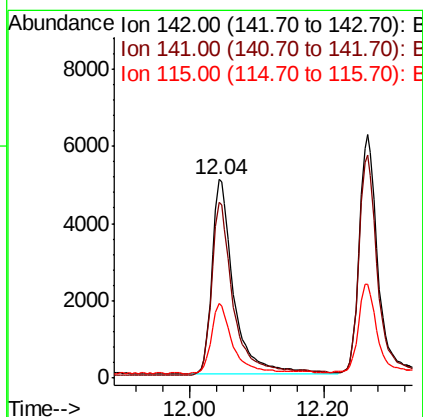
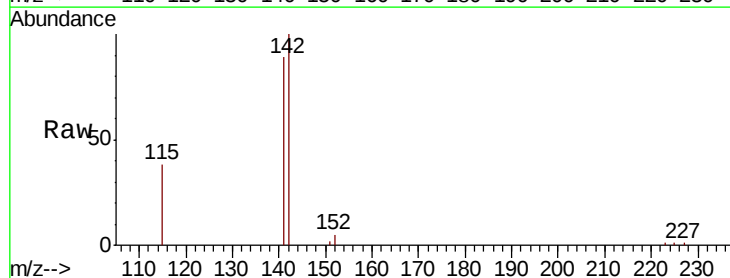
Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tot Ion:152 Resp: 9676
Ion Ratio Lower Upper
152 100
151 18.8 14.9 22.3



#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.04 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:142 Resp: 11482
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5
115 37.8 28.9 43.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

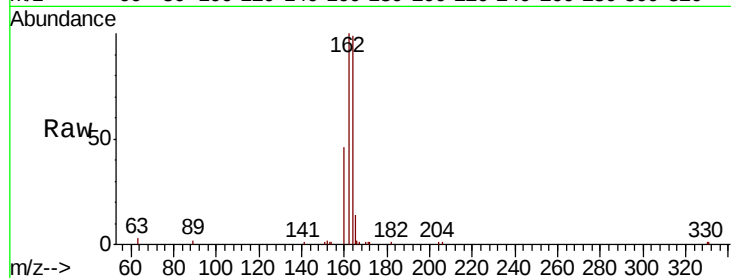
BNA_N

ClientSampleId :

PB120849BS

Tot Ion:164 Resp: 9259

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.8	121.2
160	46.9	37.0	55.6

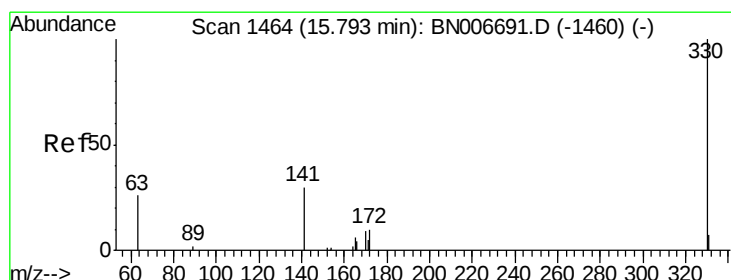
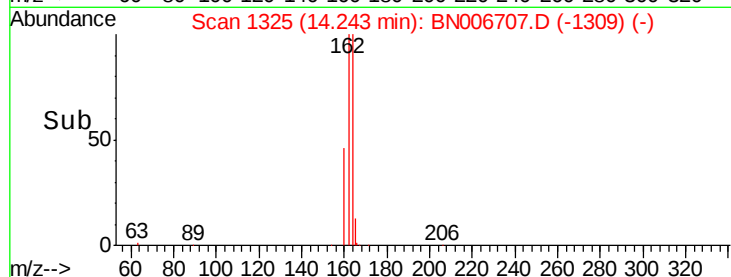
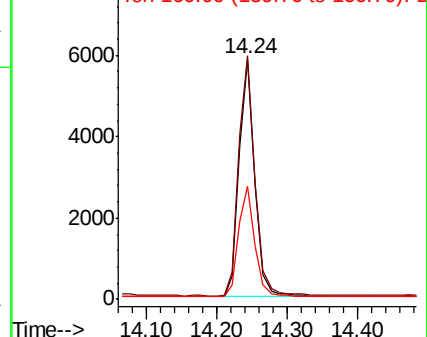


Abundance

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: 0.465 ng

RT: 15.77 min Scan# 1462

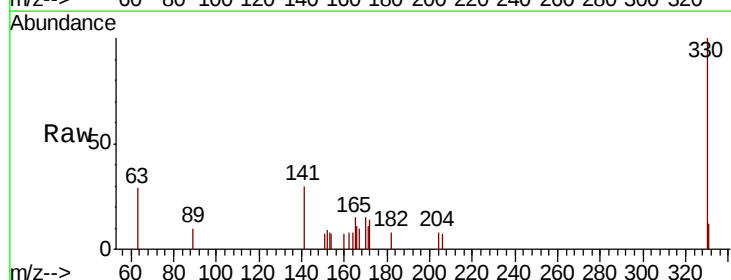
Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Tgt Ion:330 Resp: 2118

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.5	24.8	37.2

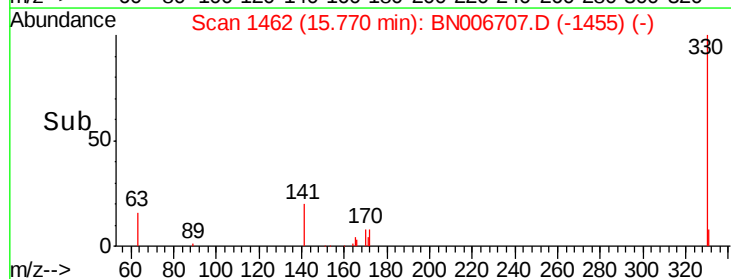
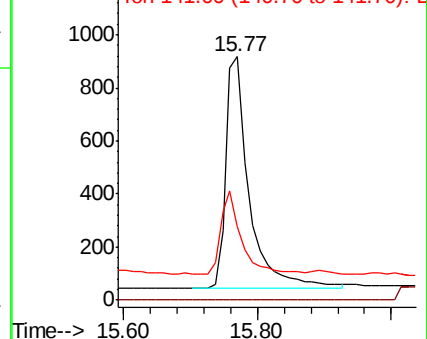


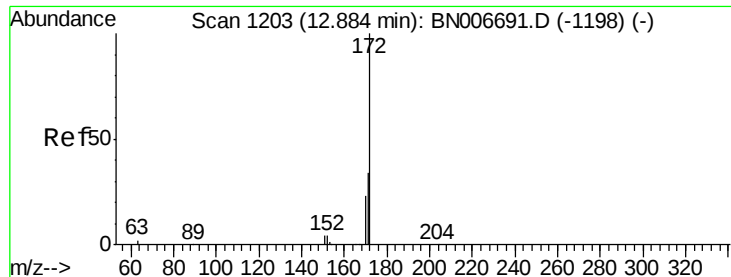
Abundance

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

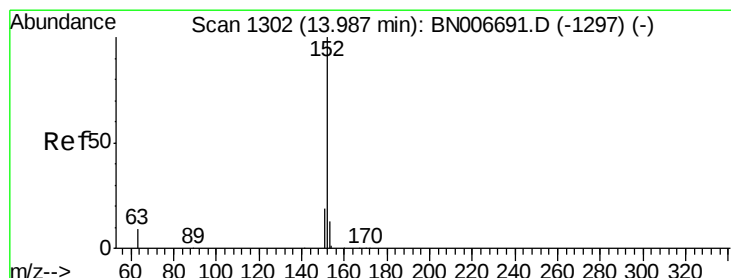
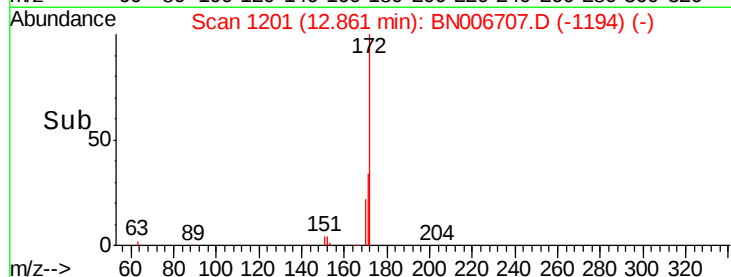
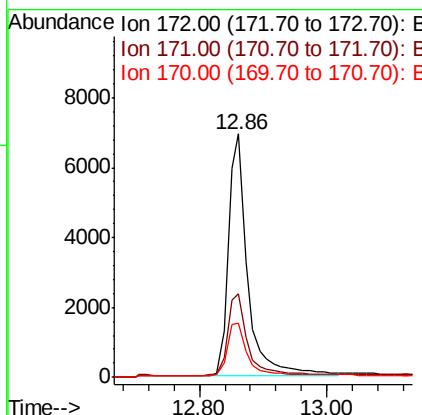
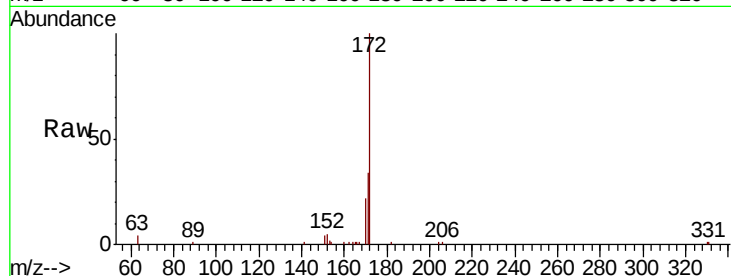




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

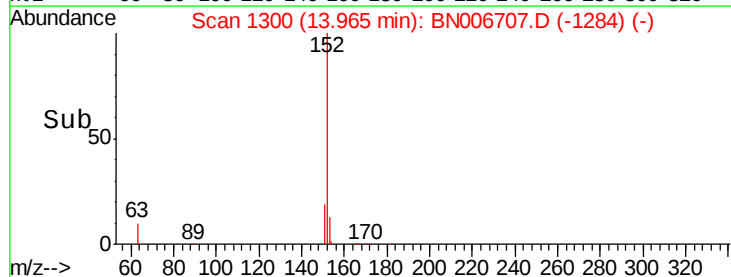
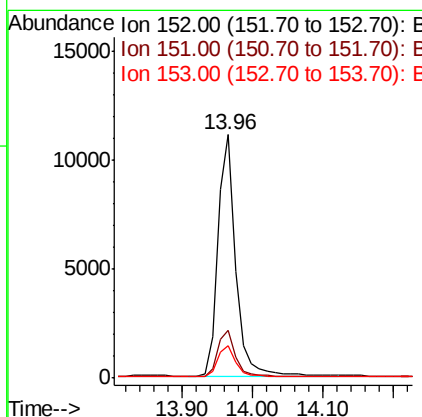
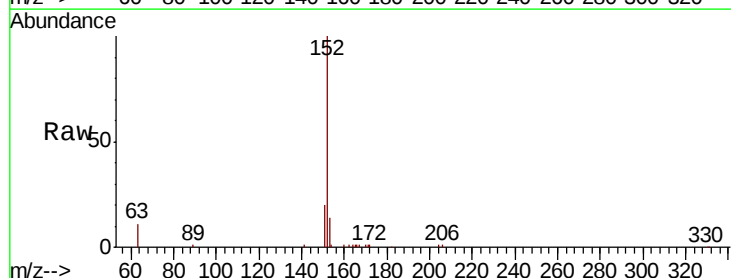
Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tot Ion:172 Resp: 14375
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.5 18.9 28.3



#16
Acenaphthylene
Concen: 0.429 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:152 Resp: 19791
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.31 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

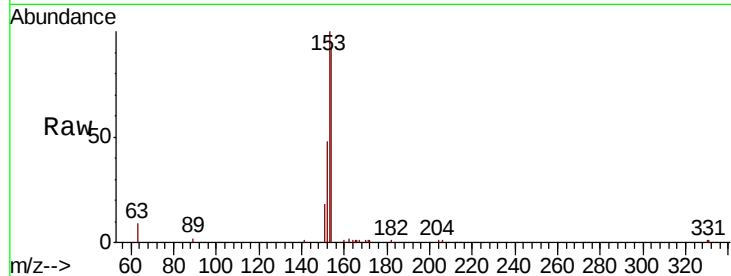
Tot Ion:154 Resp: 12271

Ion Ratio Lower Upper

154 100

153 112.8 88.9 133.3

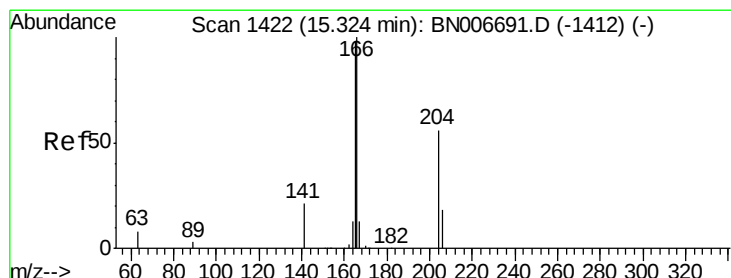
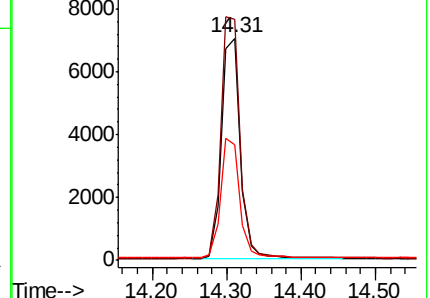
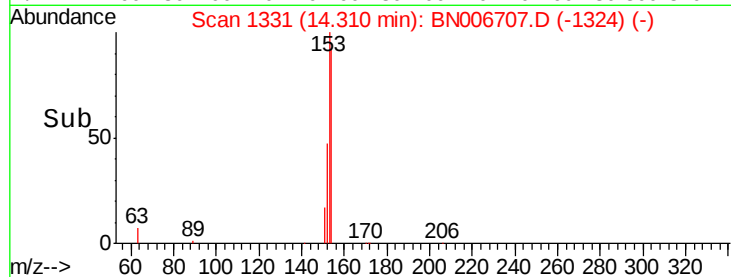
152 54.8 42.8 64.2



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: 0.427 ng

RT: 15.30 min Scan# 1420

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

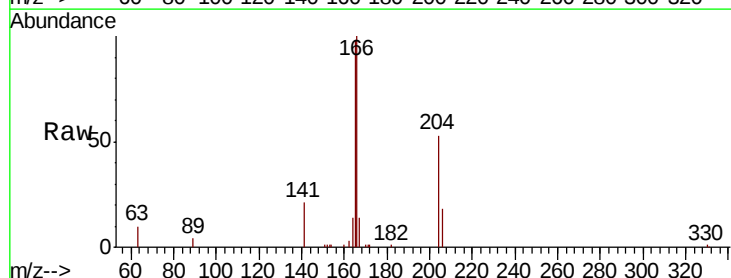
Tgt Ion:166 Resp: 15585

Ion Ratio Lower Upper

166 100

165 97.5 78.0 117.0

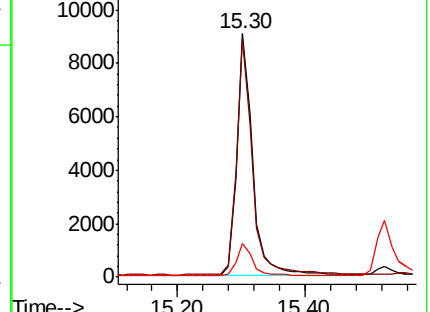
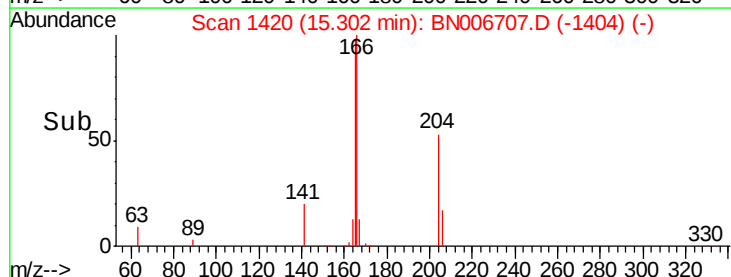
167 13.6 10.7 16.1



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: 17.00 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

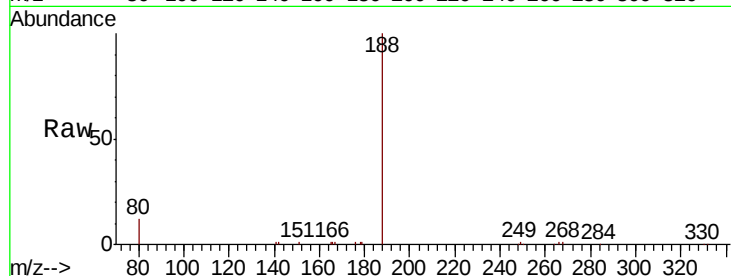
Tot Ion:188 Resp: 21631

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

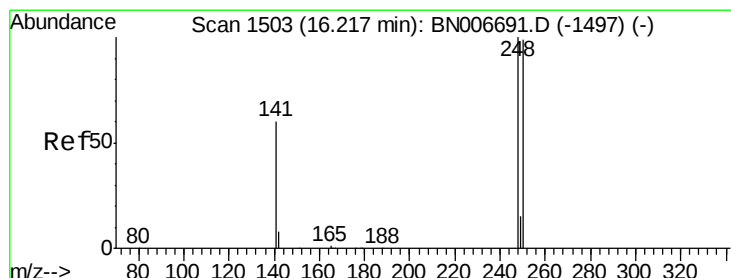
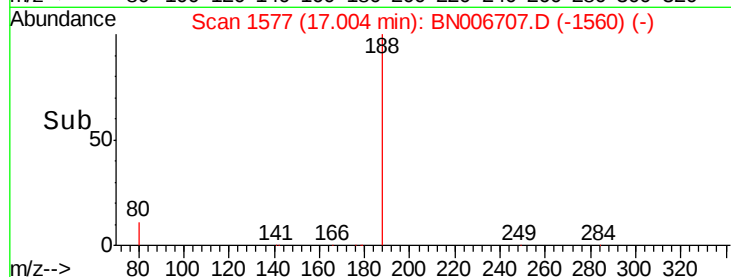
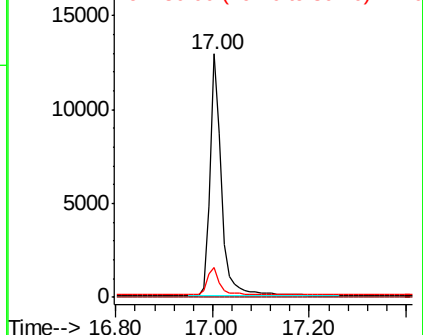
80 12.2 10.3 15.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.395 ng

RT: 16.20 min Scan# 1501

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

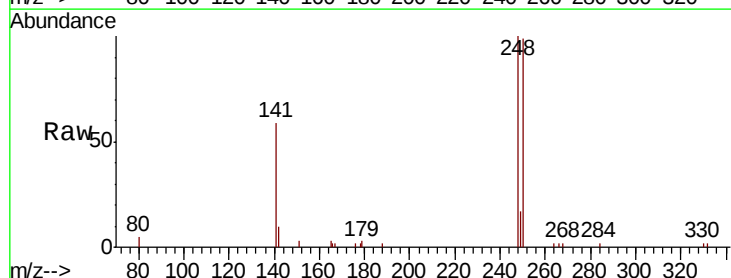
Tgt Ion:248 Resp: 5034

Ion Ratio Lower Upper

248 100

250 98.7 79.0 118.6

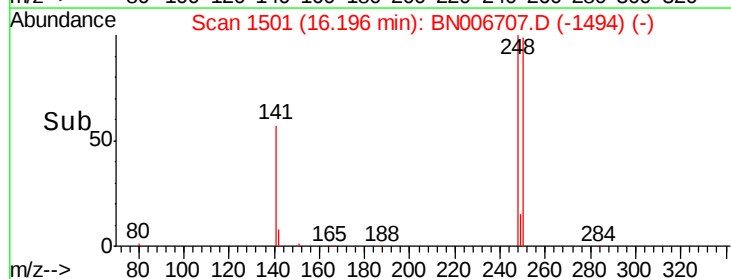
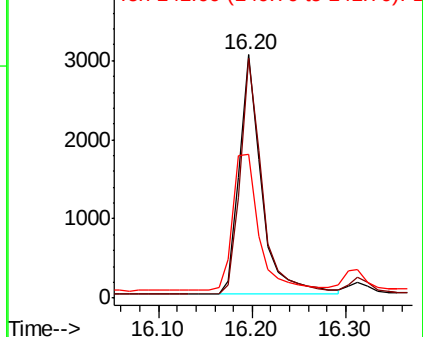
141 59.2 50.2 75.4



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

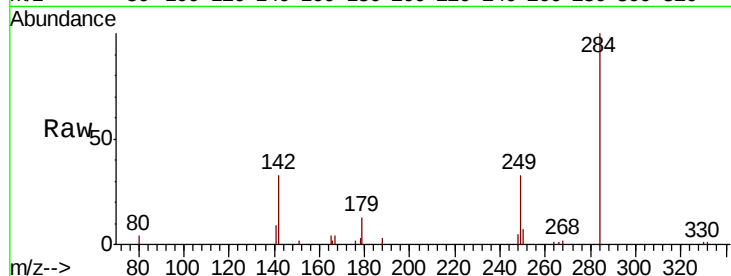




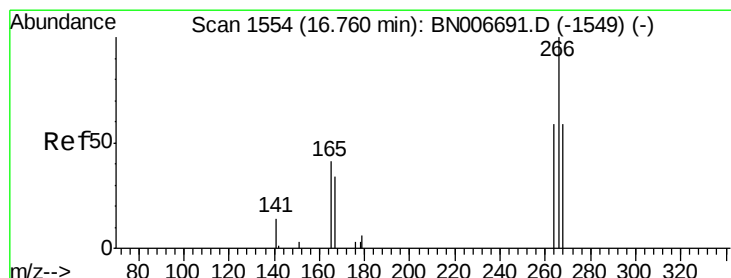
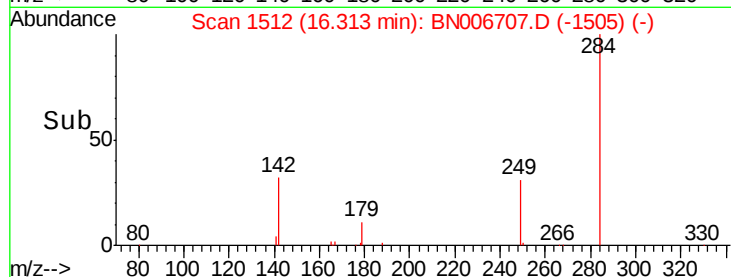
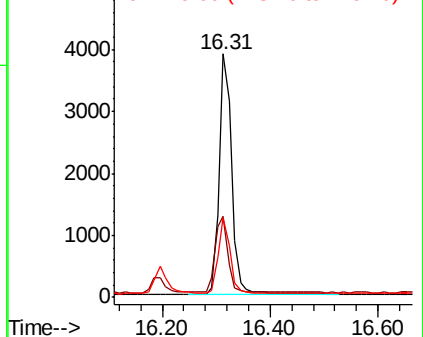
#21
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.31 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tot Ion:284 Resp: 6196
Ion Ratio Lower Upper
284 100
142 32.8 26.9 40.3
249 29.6 24.4 36.6

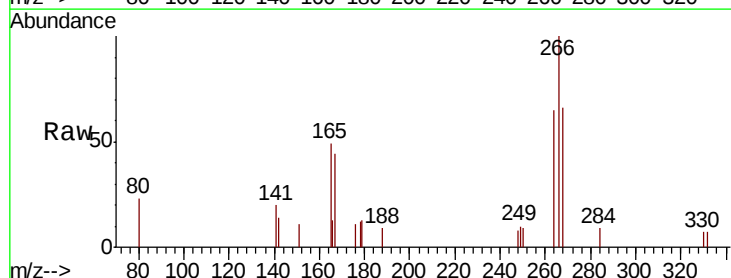


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

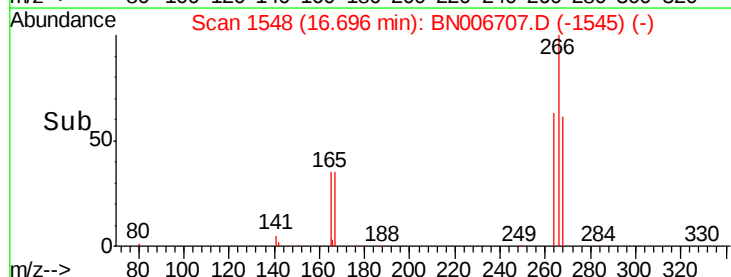
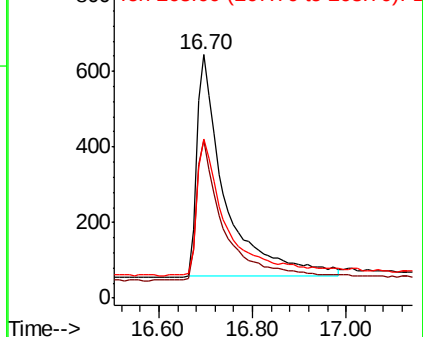


#22
Pentachlorophenol
Concen: 1.155 ng
RT: 16.70 min Scan# 1548
Delta R.T. -0.06 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:266 Resp: 2393
Ion Ratio Lower Upper
266 100
264 64.8 57.6 86.4
268 65.5 66.6 99.8#



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: 0.407 ng

RT: 17.05 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

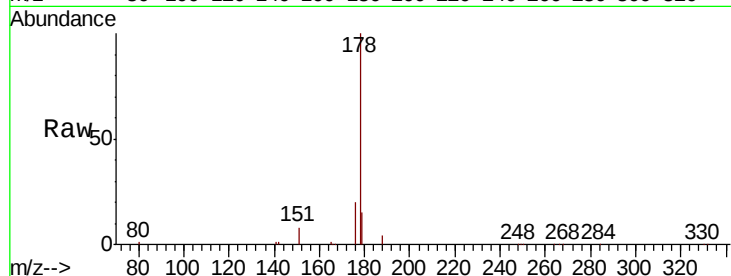
Tot Ion:178 Resp: 25378

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

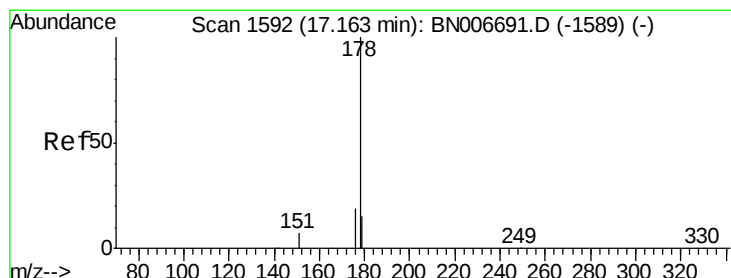
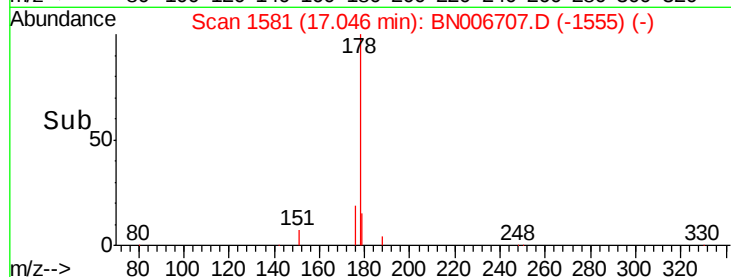
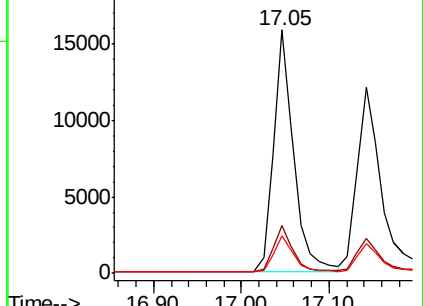
179 15.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.405 ng

RT: 17.14 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

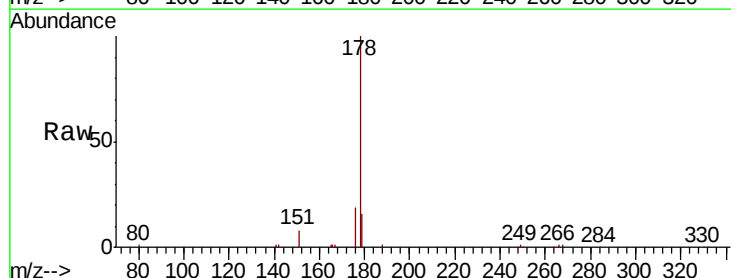
Tgt Ion:178 Resp: 22831

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

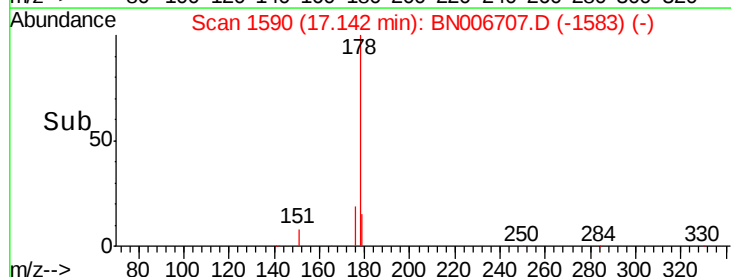
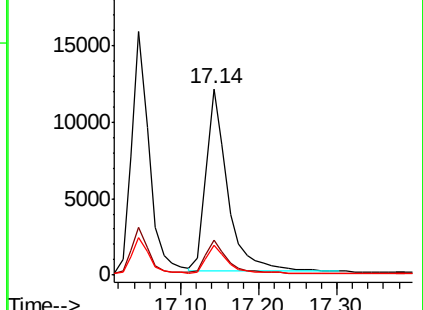
179 15.1 11.9 17.9

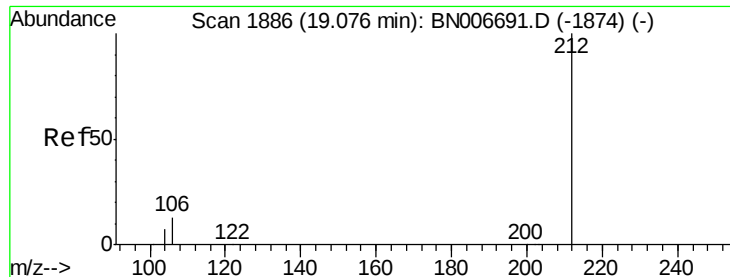


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

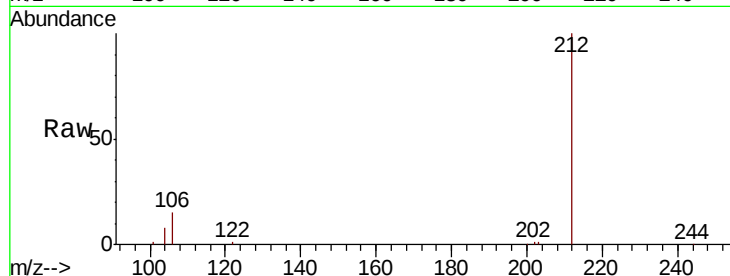




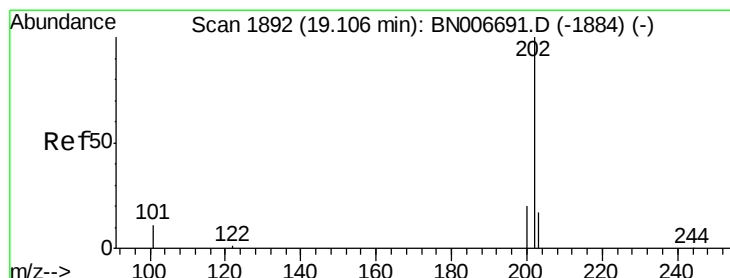
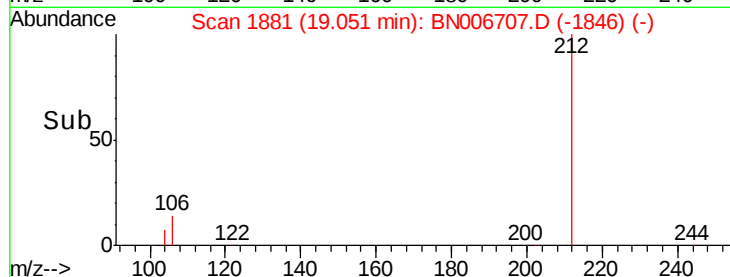
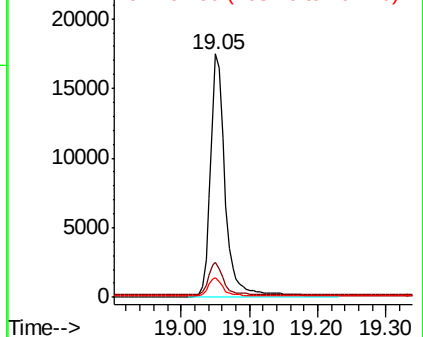
#25
 Fluoranthene-d10
 Concen: 0.429 ng
 RT: 19.05 min Scan# 1881
 Delta R.T. -0.02 min
 Lab File: BN006707.D
 Acq: 05 Jul 2019 10:12

Instrument :
 BNA_N
 ClientSampleId :
 PB120849BS

Tot Ion:212 Resp: 26544
 Ion Ratio Lower Upper
 212 100
 106 13.6 11.0 16.6
 104 7.2 6.1 9.1

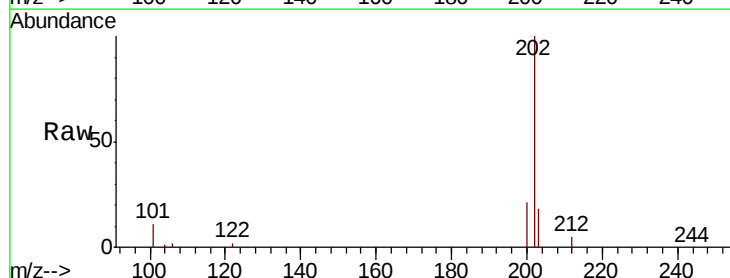


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

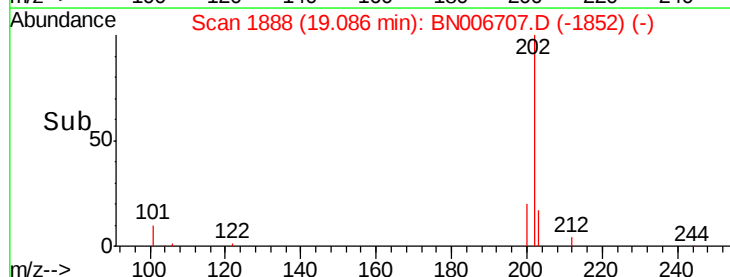
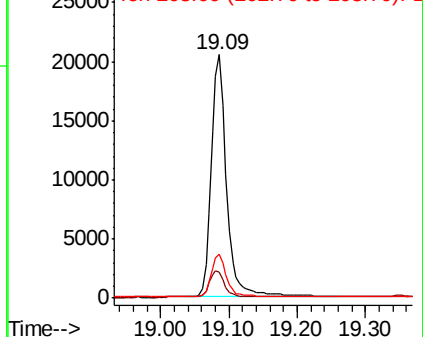


#26
 Fluoranthene
 Concen: 0.441 ng
 RT: 19.09 min Scan# 1888
 Delta R.T. -0.02 min
 Lab File: BN006707.D
 Acq: 05 Jul 2019 10:12

Tgt Ion:202 Resp: 32254
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.7 13.1
 203 17.2 13.8 20.6



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# 2189

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

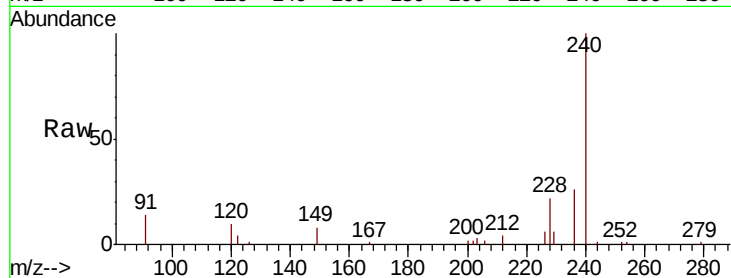
Tot Ion:240 Resp: 24405

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

236 25.8 23.2 34.8

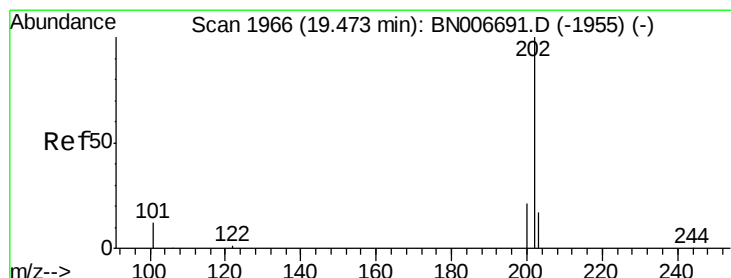
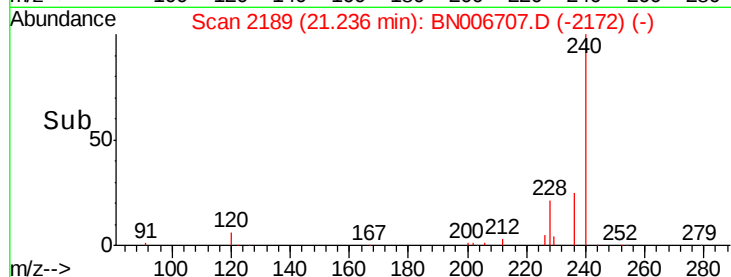
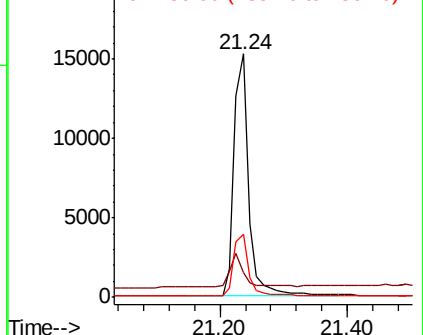


Abundance

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: 0.347 ng

RT: 19.45 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

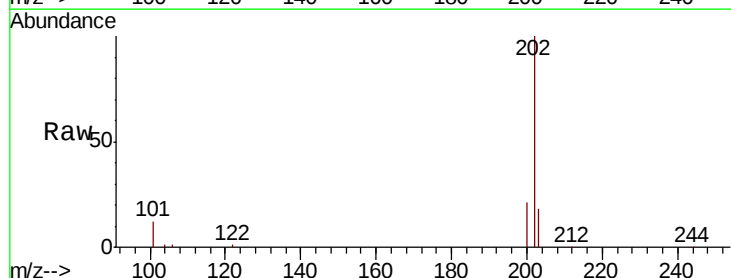
Tgt Ion:202 Resp: 33846

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 17.7 14.2 21.2

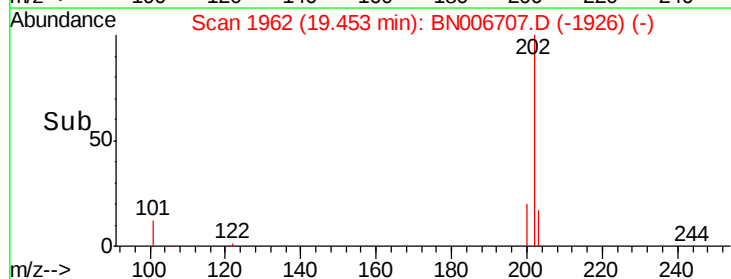
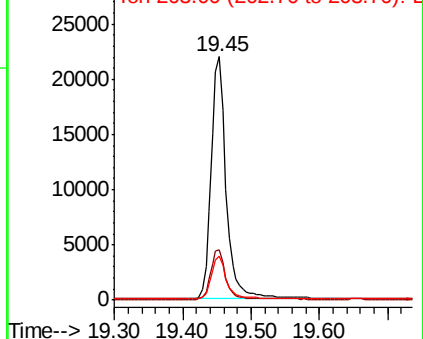


Abundance

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: 0.331 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

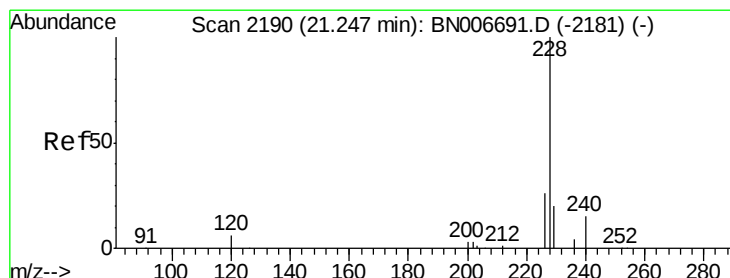
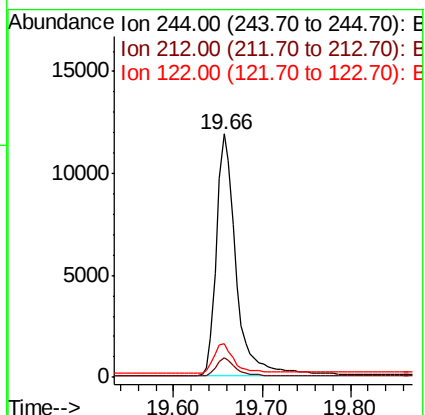
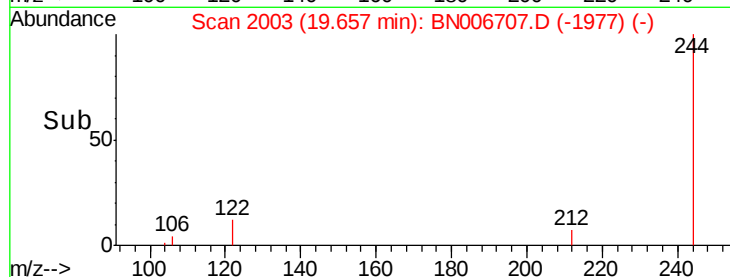
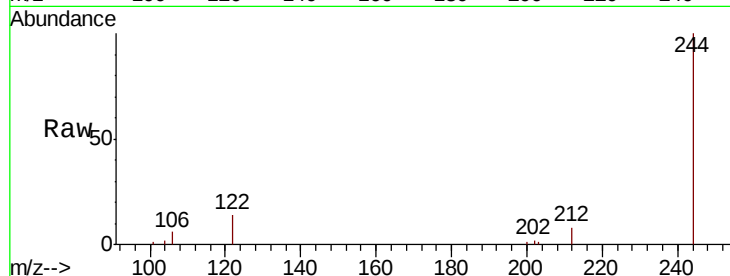
Tot Ion:244 Resp: 18618

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.4

122 13.6 11.5 17.3



#30

Benzo(a)anthracene

Concen: 0.370 ng

RT: 21.21 min Scan# 2187

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

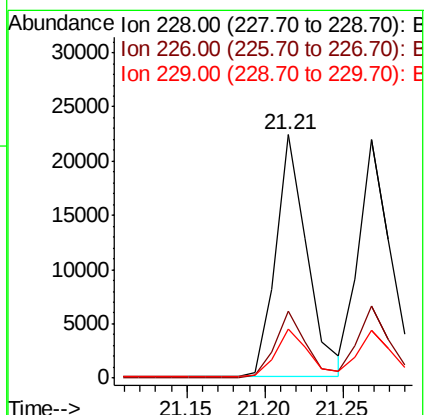
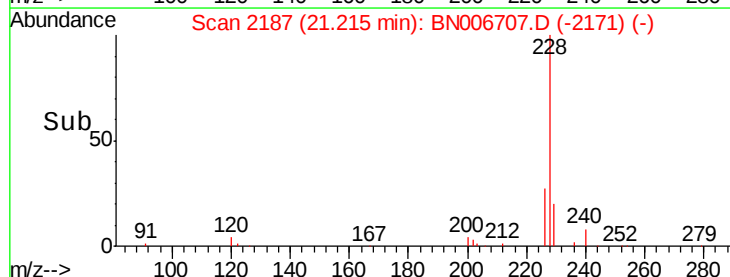
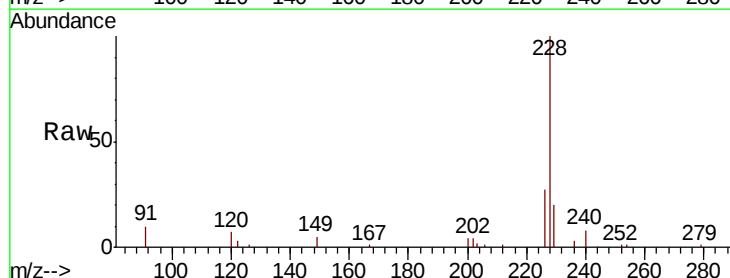
Tgt Ion:228 Resp: 31139

Ion Ratio Lower Upper

228 100

226 27.5 21.5 32.3

229 20.3 16.2 24.4

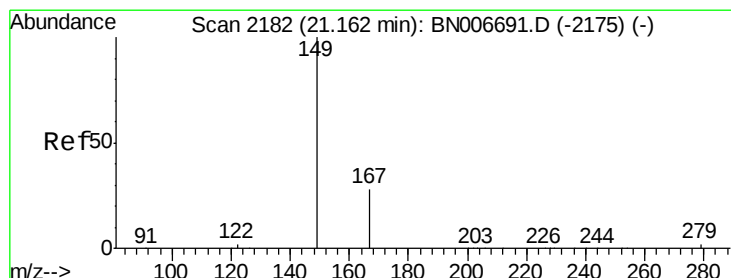
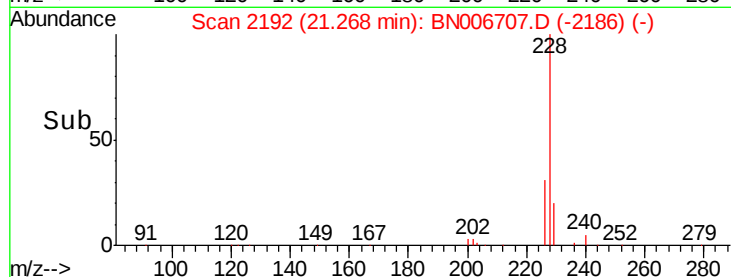
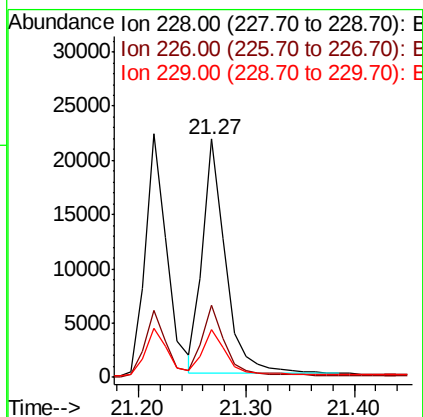
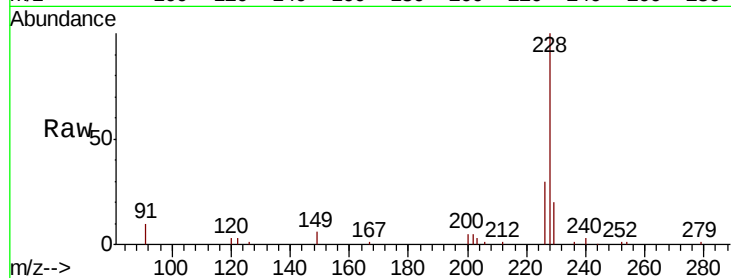




#31
Chrysene
Concen: 0.368 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

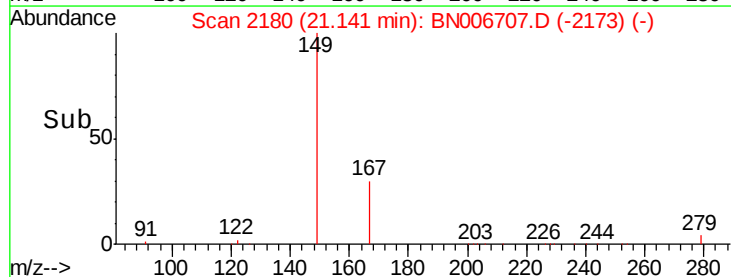
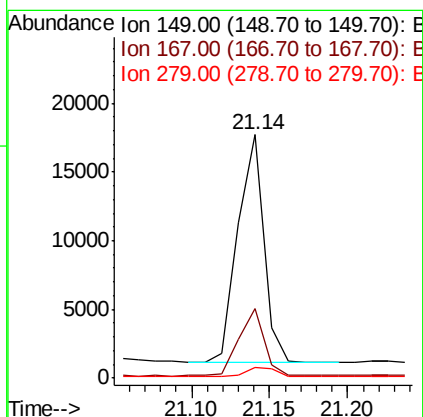
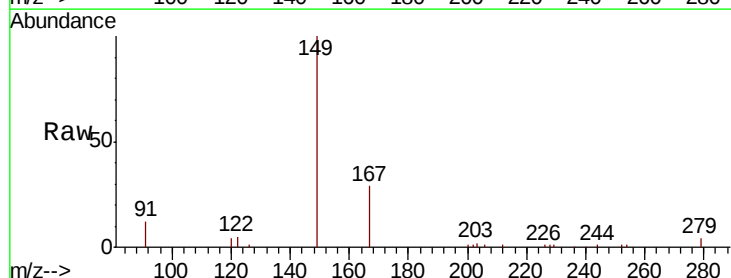
Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tot Ion:228 Resp: 31904
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 20.3 15.8 23.6



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.14 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:149 Resp: 19121
Ion Ratio Lower Upper
149 100
167 29.1 22.9 34.3
279 4.6 3.2 4.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng

RT: 25.68 min Scan# 3256

Delta R.T. -0.07 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

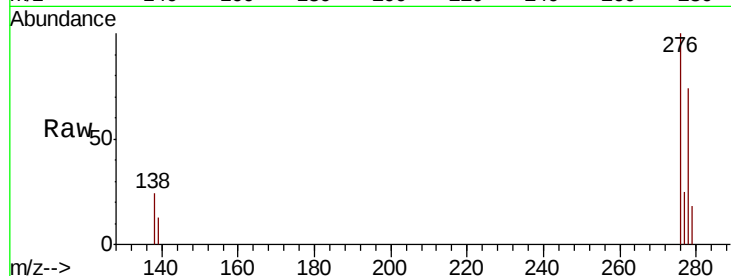
Tot Ion:276 Resp: 41749

Ion Ratio Lower Upper

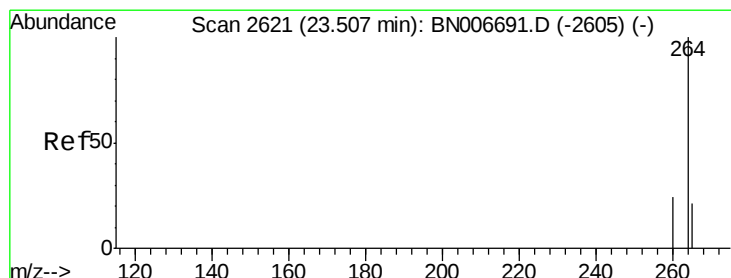
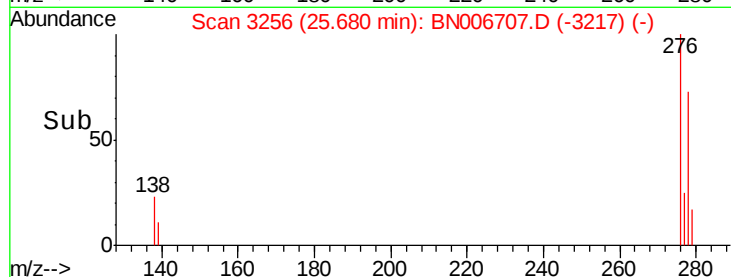
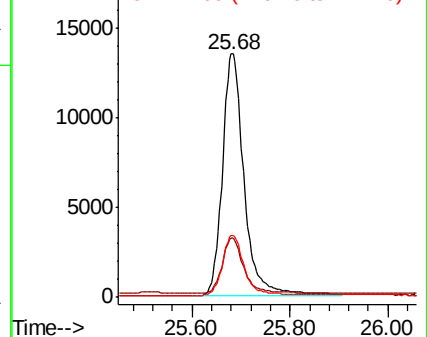
276 100

138 22.3 19.5 29.3

277 24.5 19.7 29.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.46 min Scan# 2606

Delta R.T. -0.05 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

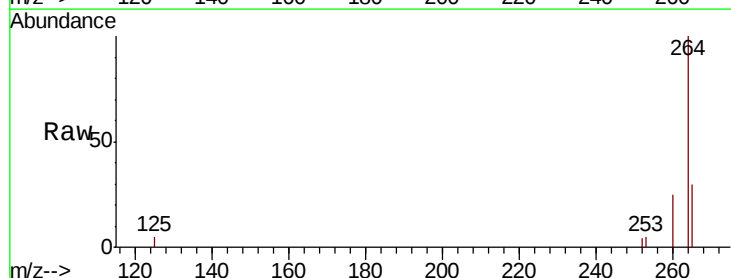
Tgt Ion:264 Resp: 26284

Ion Ratio Lower Upper

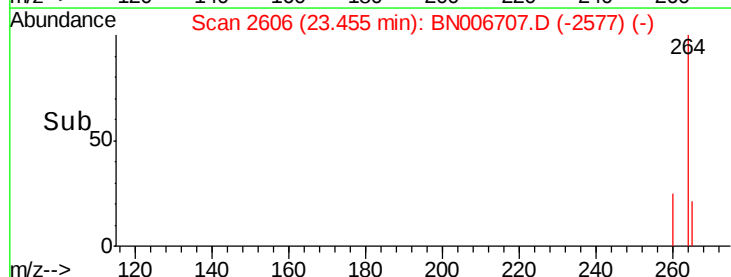
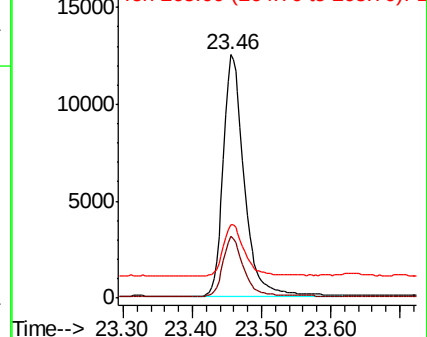
264 100

260 25.2 20.2 30.2

265 30.2 33.7 50.5#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.391 ng

RT: 22.79 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

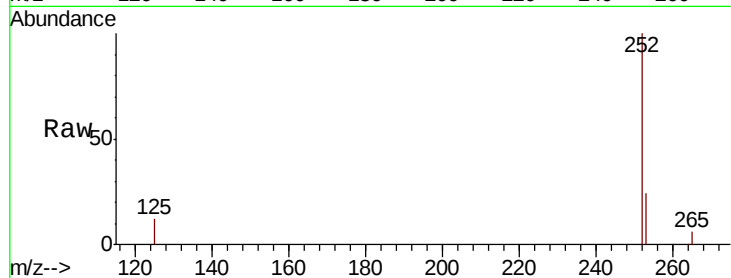
Tot Ion:252 Resp: 32982

Ion Ratio Lower Upper

252 100

253 23.9 20.2 30.2

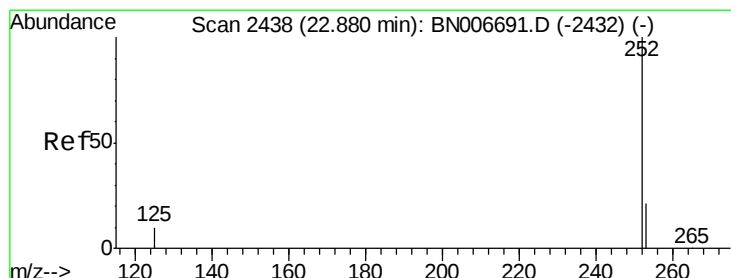
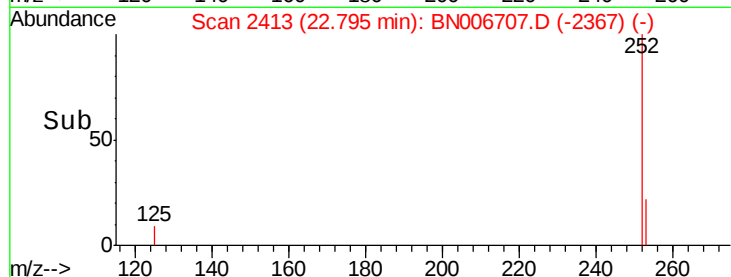
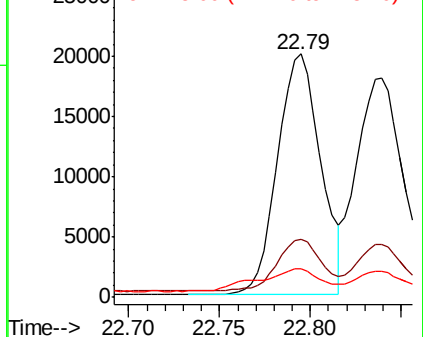
125 11.7 11.5 17.3



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: 0.384 ng

RT: 22.84 min Scan# 2426

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

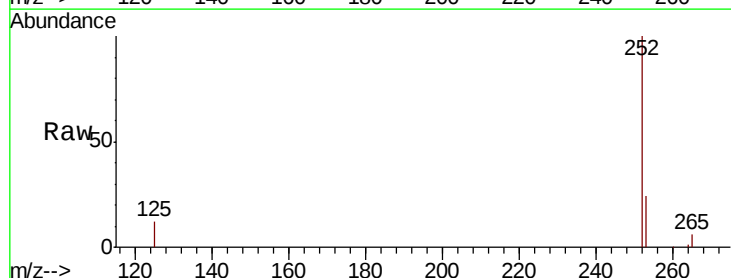
Tgt Ion:252 Resp: 35145

Ion Ratio Lower Upper

252 100

253 24.1 20.1 30.1

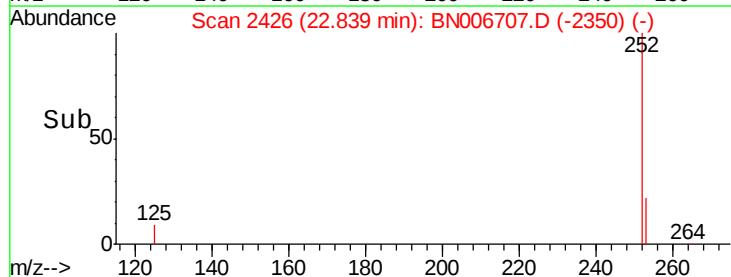
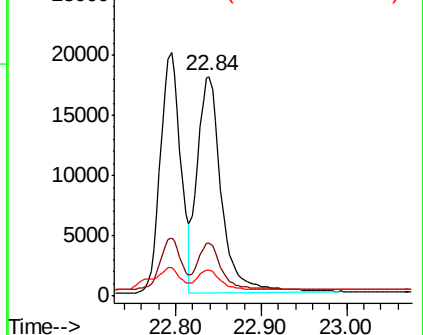
125 11.6 11.4 17.0



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





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.36 min Scan# 2579

Delta R.T. -0.05 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

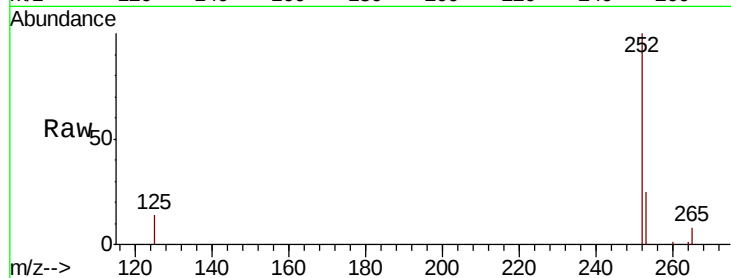
Tot Ion:252 Resp: 32900

Ion Ratio Lower Upper

252 100

253 24.8 21.4 32.2

125 13.6 13.3 19.9

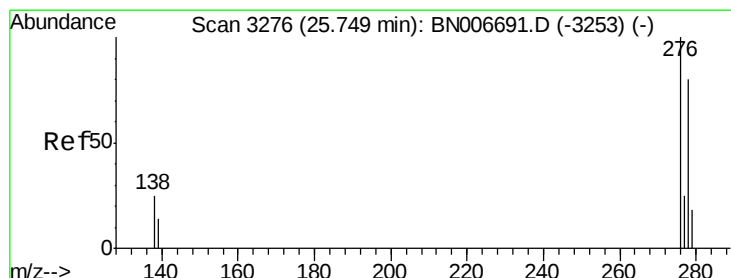
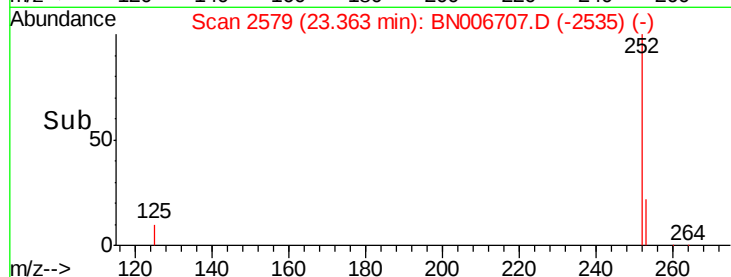
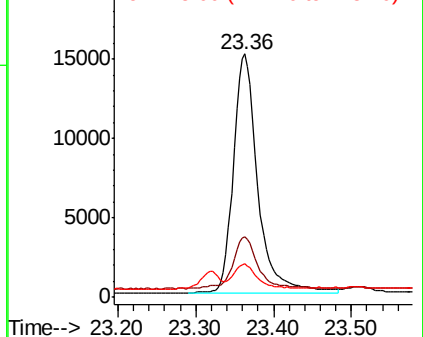


Abundance

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: 0.409 ng

RT: 25.69 min Scan# 3258

Delta R.T. -0.06 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

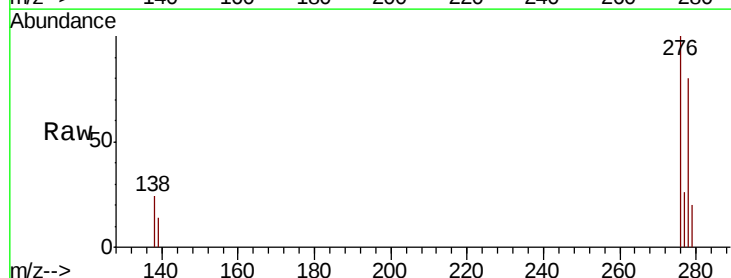
Tgt Ion:278 Resp: 33204

Ion Ratio Lower Upper

278 100

139 17.0 16.2 24.4

279 25.0 20.7 31.1

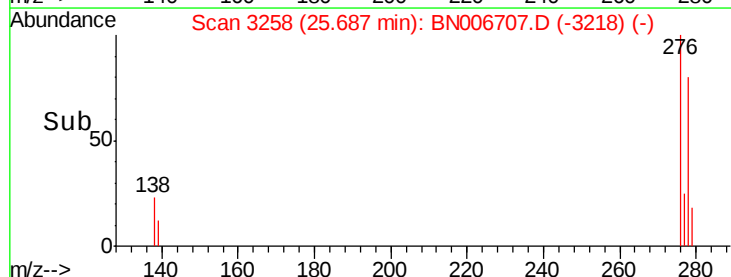
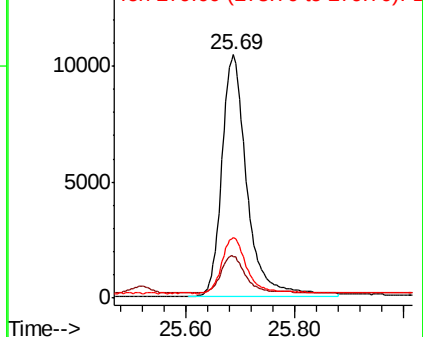


Abundance

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: 0.418 ng

RT: 26.36 min Scan# 3455

Delta R.T. -0.07 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA_N

ClientSampleId :

PB120849BS

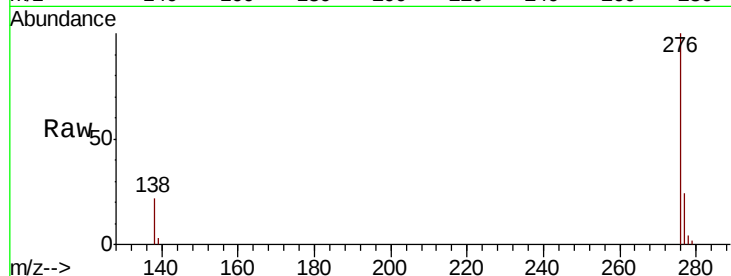
Tot Ion:276 Resp: 34931

Ion Ratio Lower Upper

276 100

277 24.5 20.6 30.8

138 22.1 19.7 29.5



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

