

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007101.D
 Acq On : 12 Aug 2019 17:05
 Operator : HP/JU
 Sample : K4240-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 13 04:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7450	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	27488	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	15542	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	38381	0.40	ng	0.00
26) Chrysene-d12	21.05	240	40057	0.40	ng	-0.01
32) Perylene-d12	23.16	264	43510	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6271	0.35	ng	0.00
4) Phenol-d6	6.61	99	8577	0.39	ng	0.00
7) Nitrobenzene-d5	8.55	82	6568	0.30	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	20165	0.39	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1592	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4034	0.18	ng	0.00
24) Fluoranthene-d10	18.87	212	38775	0.28	ng	0.00
28) Terphenyl-d14	19.49	244	28584	0.26	ng	-0.01

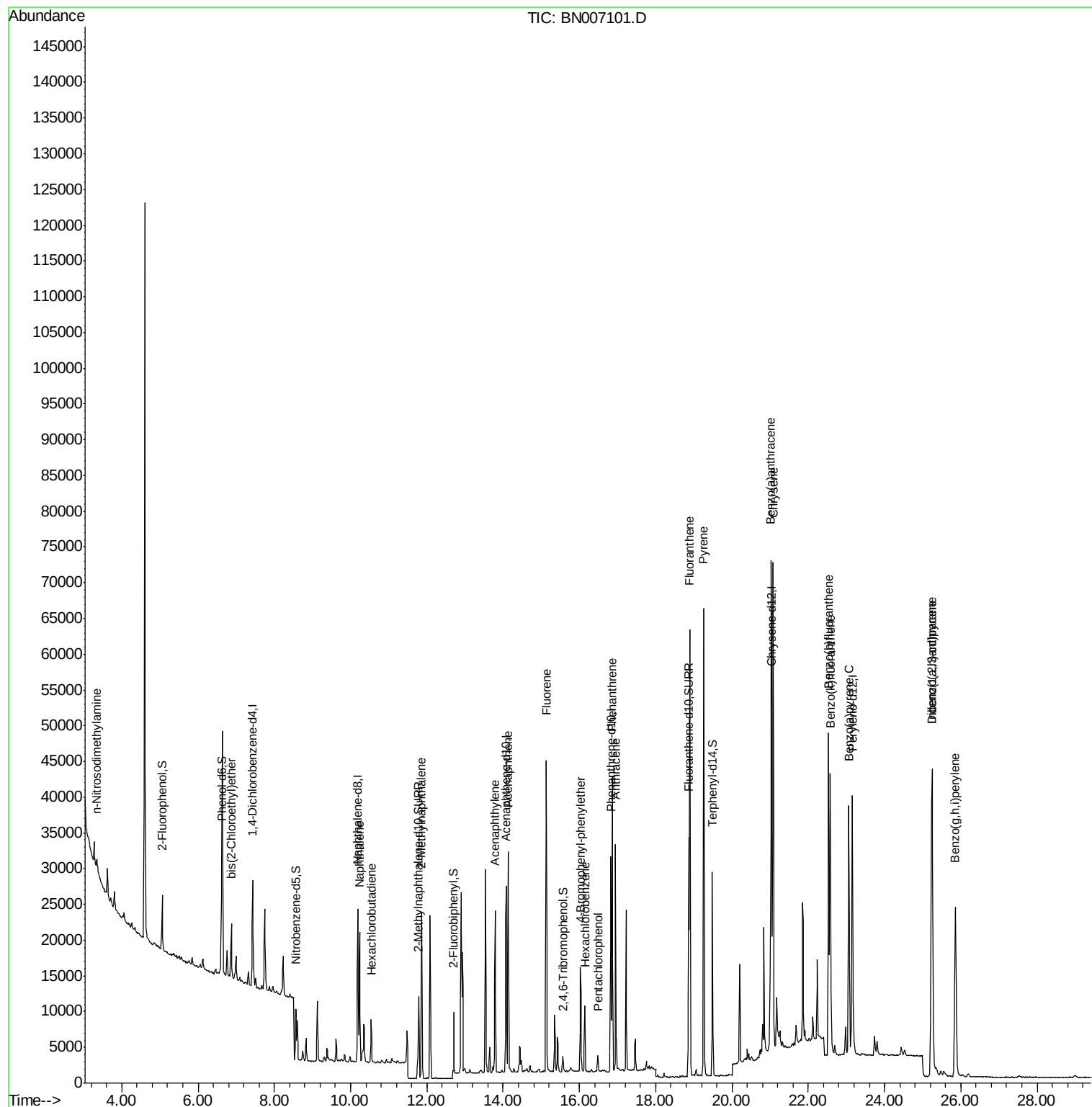
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1396	0.285	ng	# 73
5) bis(2-Chloroethyl)ether	6.87	93	6432	0.328	ng	98
8) Naphthalene	10.24	128	23788	0.309	ng	99
9) Hexachlorobutadiene	10.54	225	4766	0.290	ng	# 99
11) 2-Methylnaphthalene	11.86	142	16992	0.311	ng	99
15) Acenaphthylene	13.79	152	24676	0.304	ng	100
16) Acenaphthene	14.13	154	15976	0.307	ng	99
17) Fluorene	15.13	166	20496	0.263	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	8498	0.358	ng	# 83
20) Hexachlorobenzene	16.14	284	7240	0.317	ng	99
21) Pentachlorophenol	16.48	266	1183	0.139	ng	97
22) Phenanthrene	16.87	178	42454	0.369	ng	100
23) Anthracene	16.95	178	33301	0.317	ng	99
25) Fluoranthene	18.90	202	56966	0.387	ng	100
27) Pyrene	19.26	202	58013	0.413	ng	99
29) Benzo(a)anthracene	21.02	228	53150	0.363	ng	99
30) Chrysene	21.08	228	52699	0.370	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	56098	0.358	ng	99
33) Benzo(b)fluoranthene	22.53	252	54954	0.368	ng	100
34) Benzo(k)fluoranthene	22.58	252	52783	0.358	ng	99
35) Benzo(a)pyrene	23.07	252	48579	0.359	ng	100
36) Dibenzo(a,h)anthracene	25.25	278	43653	0.323	ng	99
37) Benzo(g,h,i)perylene	25.85	276	47951	0.345	ng	99

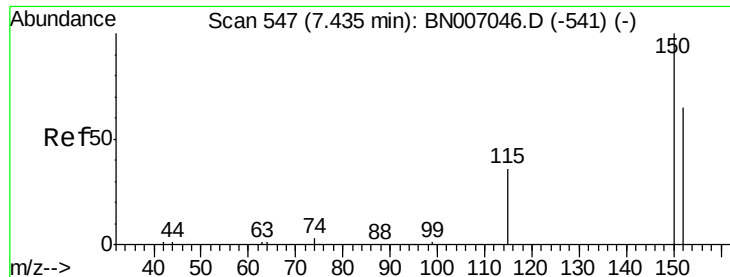
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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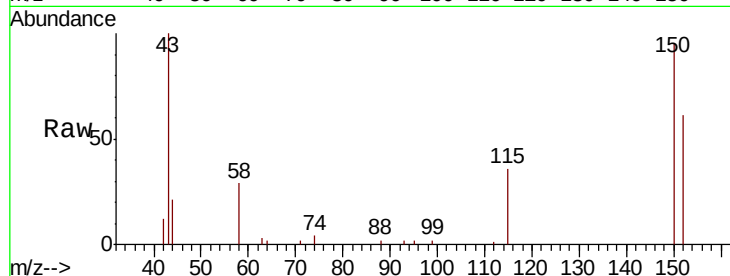


#1

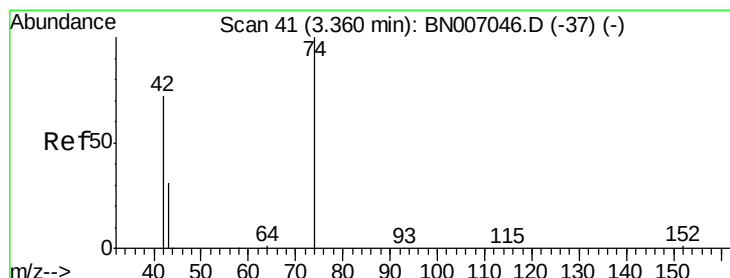
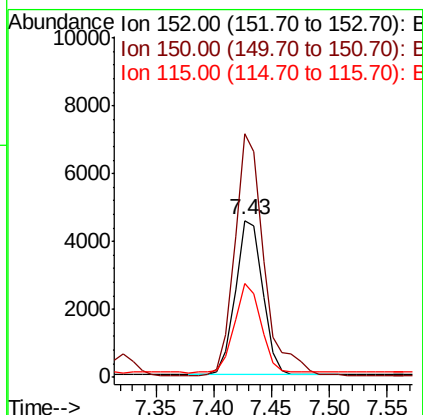
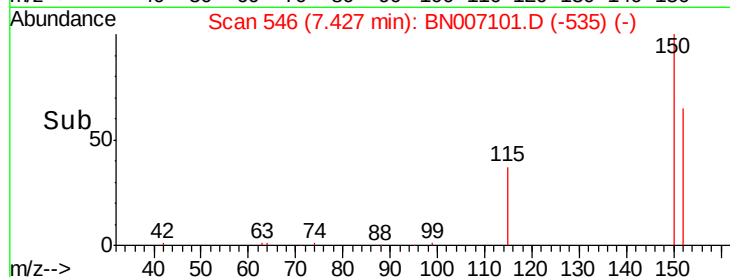
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 7450
Ion Ratio Lower Upper
152 100
150 155.1 121.7 182.5
115 59.6 46.2 69.4



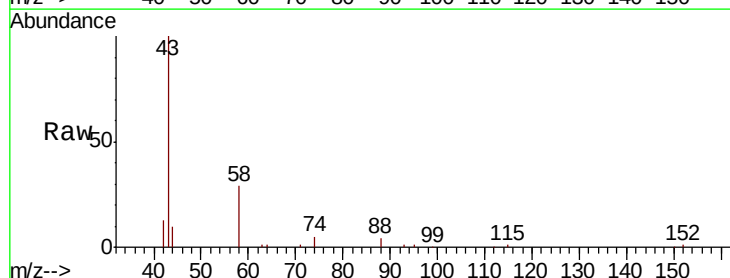
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



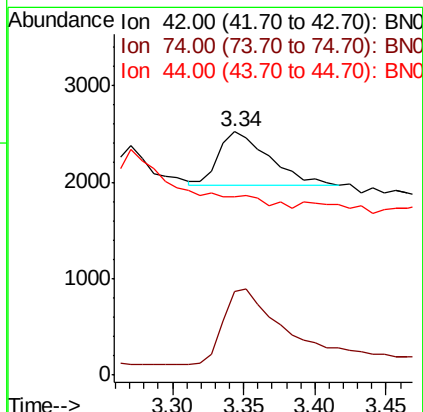
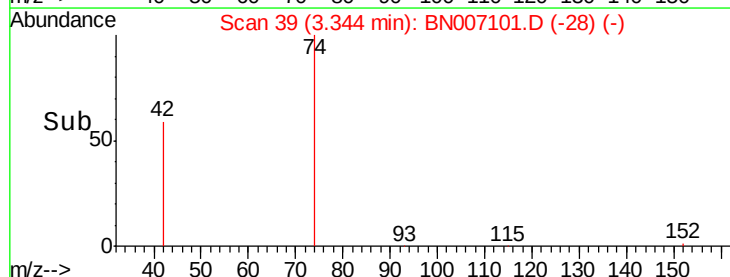
#2

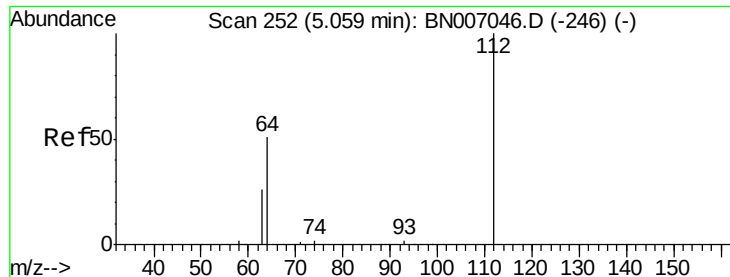
n-Nitrosodimethylamine
Concen: 0.285 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion: 42 Resp: 1396
Ion Ratio Lower Upper
42 100
74 170.8 110.6 166.0#
44 0.0 0.0 0.0



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





#3

2-Fluorophenol

Concen: 0.350 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

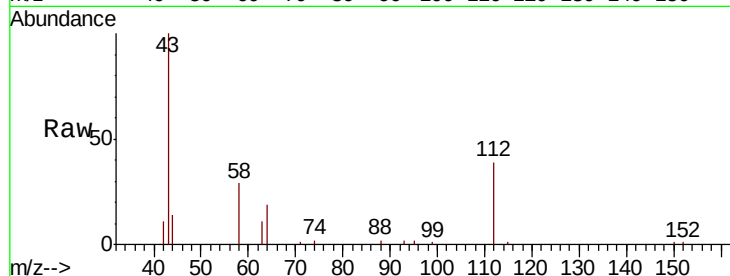
Tot Ion: 112 Resp: 6271

Ion Ratio Lower Upper

112 100

64 52.7 42.6 63.8

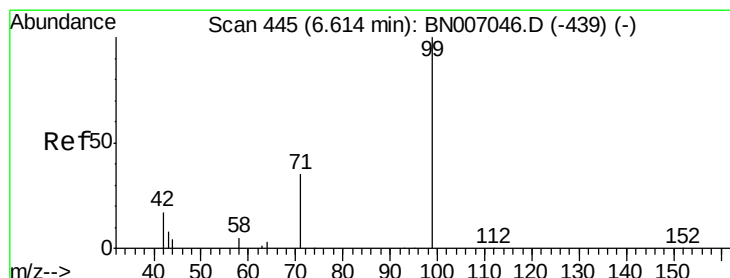
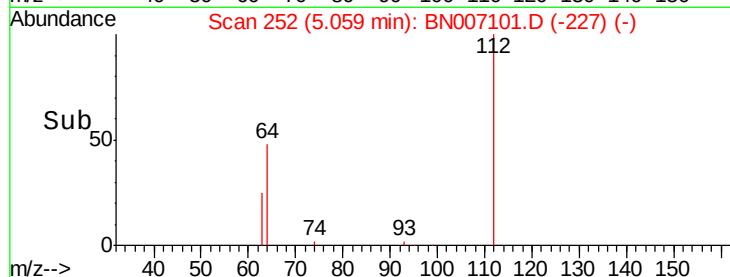
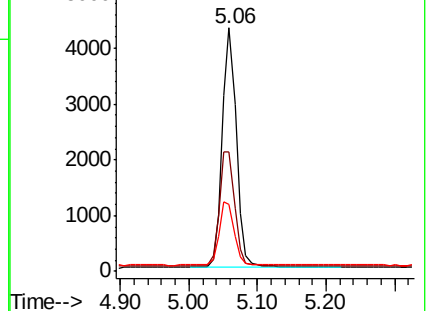
63 28.5 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.387 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

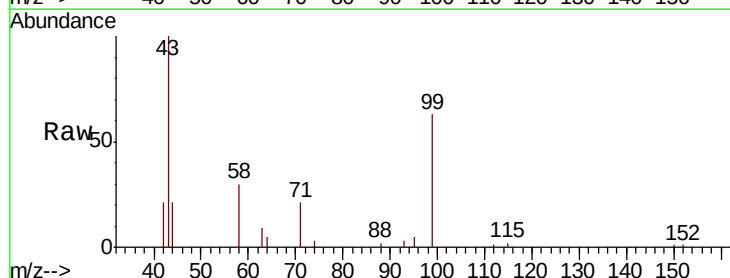
Tgt Ion: 99 Resp: 8577

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

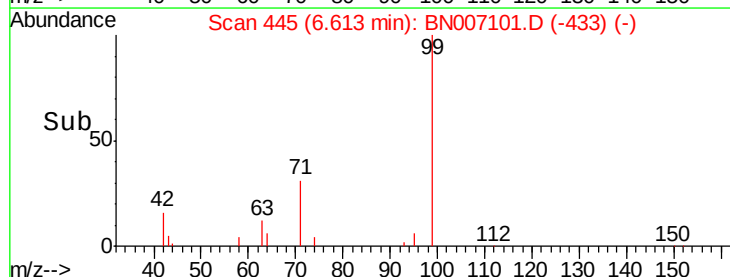
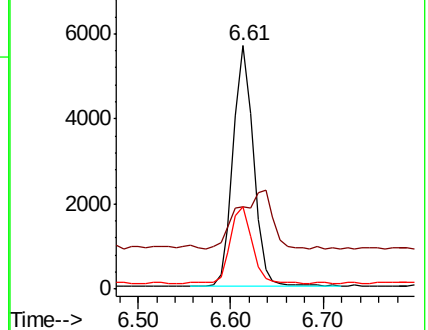
71 34.7 27.0 40.4

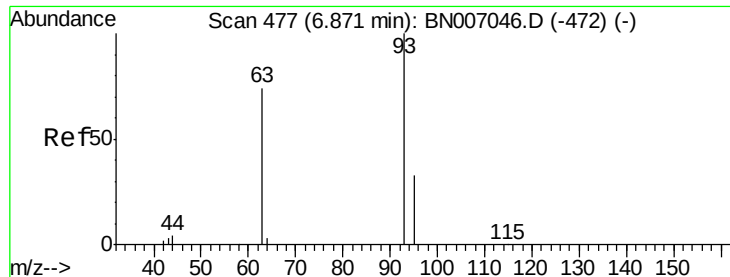


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.328 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

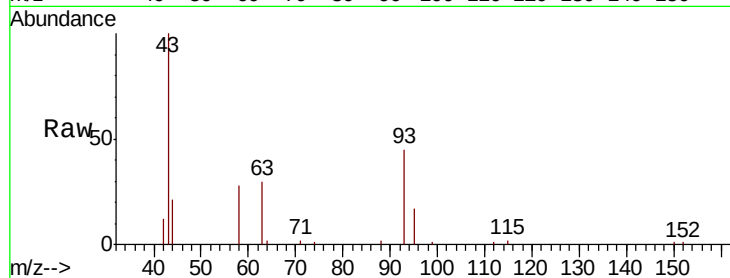
Tot Ion: 93 Resp: 6432

Ion Ratio Lower Upper

93 100

63 67.6 55.6 83.4

95 33.6 26.7 40.1

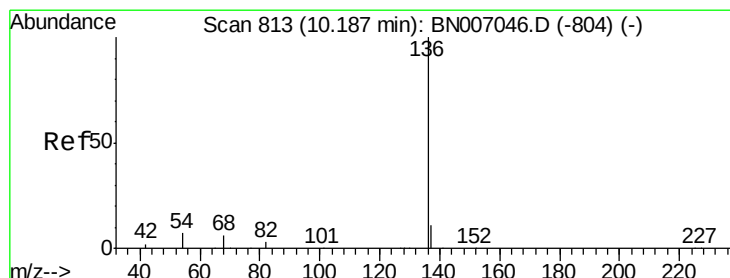
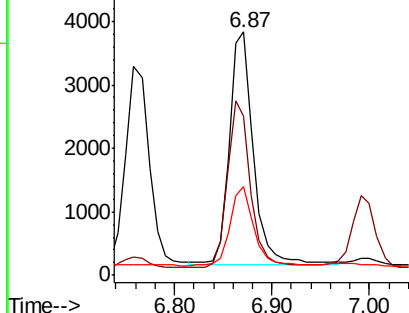
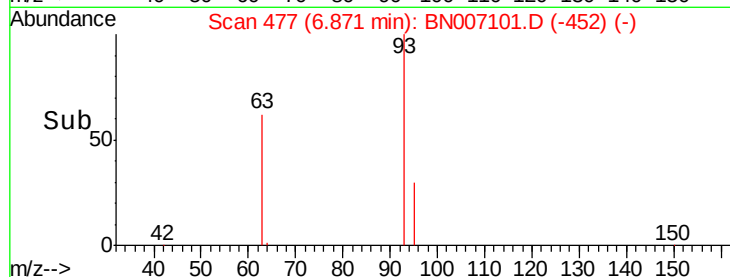


Abundance

Ion 93.00 (92.70 to 93.70): BN007101.D (-452) (-)

Ion 63.00 (62.70 to 63.70): BN007101.D (-452) (-)

Ion 95.00 (94.70 to 95.70): BN007101.D (-452) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Tgt Ion: 136 Resp: 27488

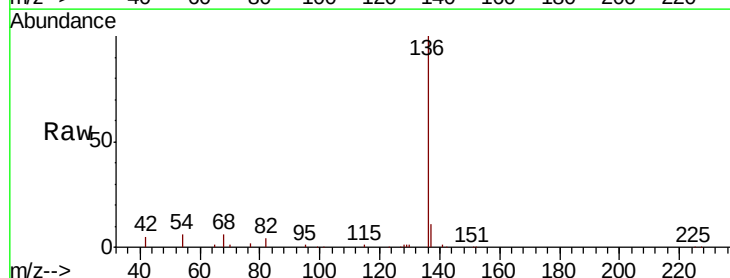
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 6.2 6.6 9.8#

68 5.5 6.0 9.0#



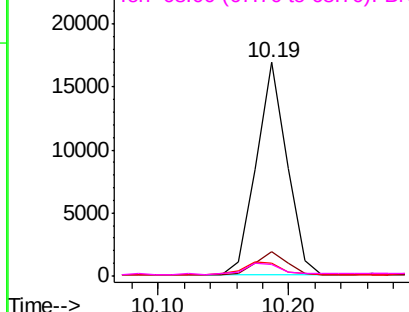
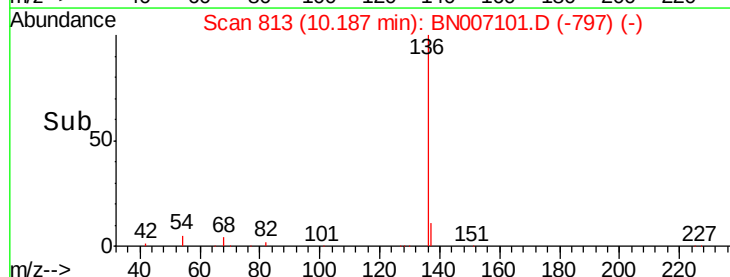
Abundance

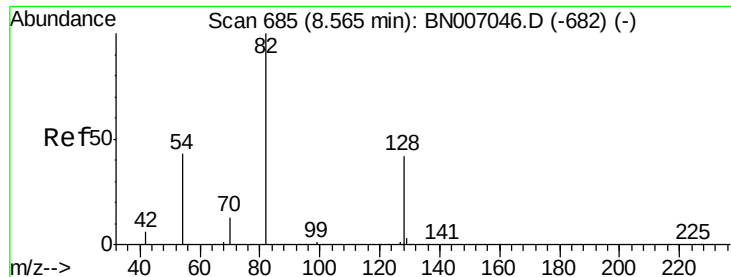
Ion 136.00 (135.70 to 136.70): BN007101.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007101.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007101.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007101.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.296 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

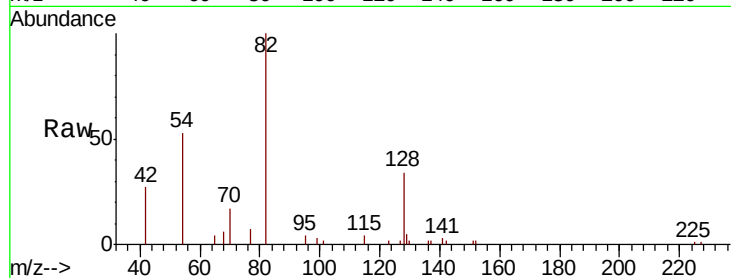
Tot Ion: 82 Resp: 6568

Ion Ratio Lower Upper

82 100

128 34.1 34.6 51.8#

54 52.6 36.2 54.4

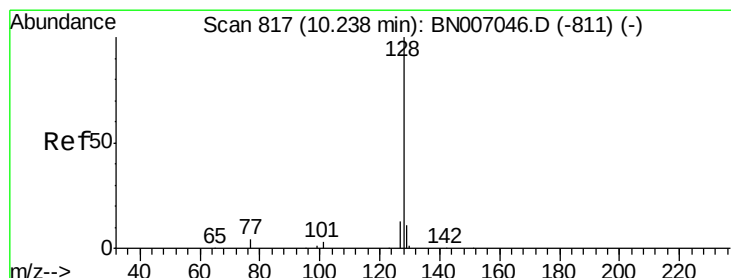
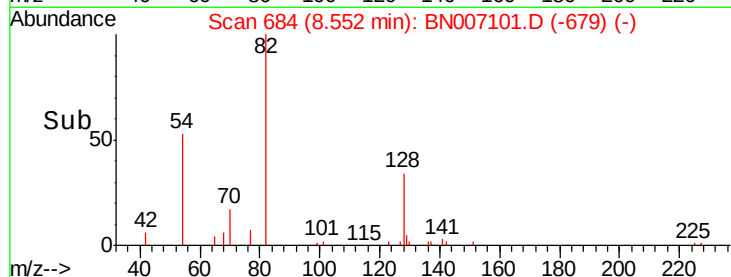
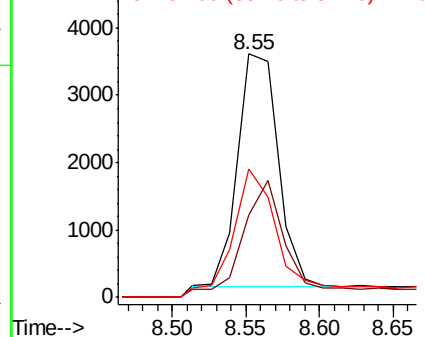


Abundance

Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)



#8

Naphthalene

Concen: 0.309 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

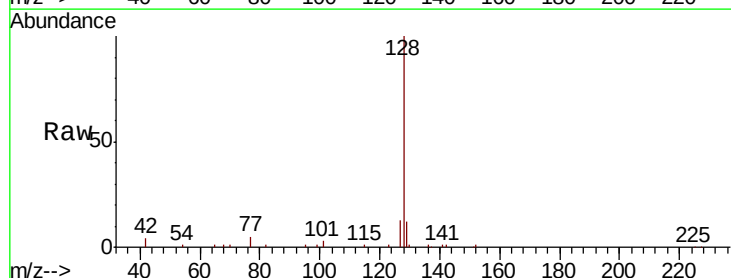
Tgt Ion: 128 Resp: 23788

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

127 13.3 11.0 16.6

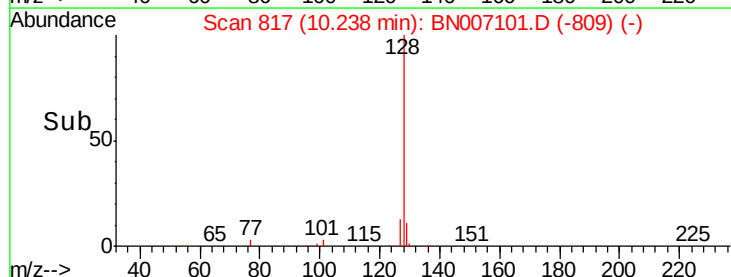
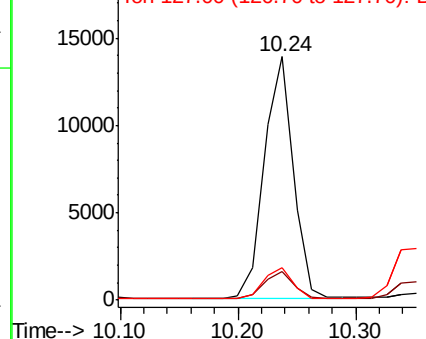


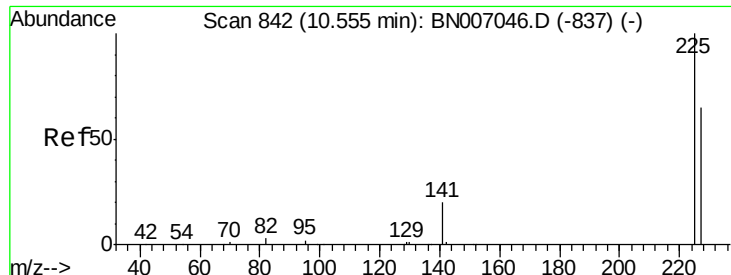
Abundance

Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

Ion 129.00 (128.70 to 129.70): BN007046.D (-811) (-)

Ion 127.00 (126.70 to 127.70): BN007046.D (-811) (-)





#9

Hexachlorobutadiene

Concen: 0.290 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

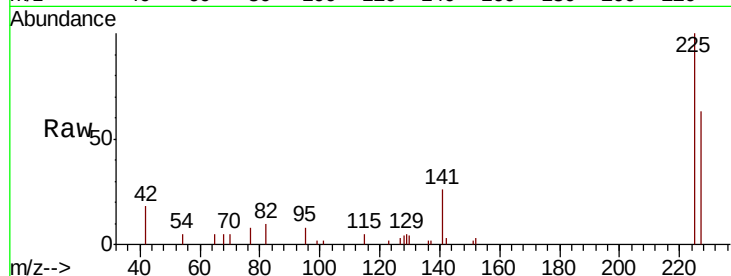
Tot Ion:225 Resp: 4766

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

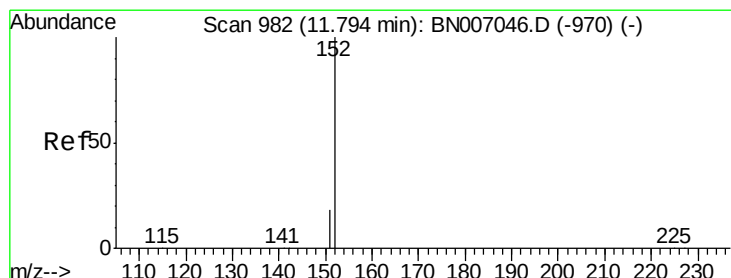
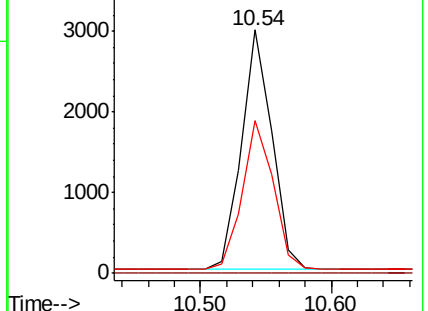
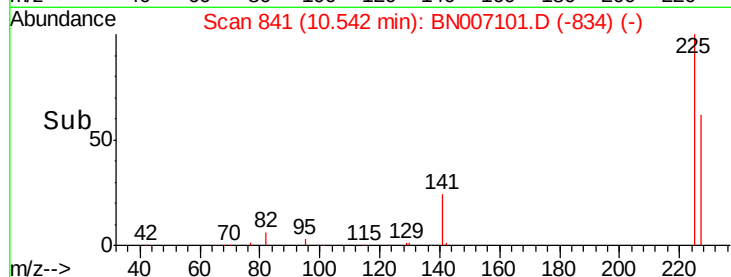
227 63.1 51.1 76.7



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



#10

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007101.D

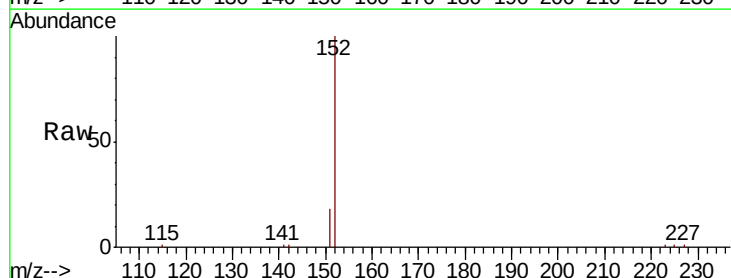
Acq: 12 Aug 2019 17:05

Tgt Ion:152 Resp: 20165

Ion Ratio Lower Upper

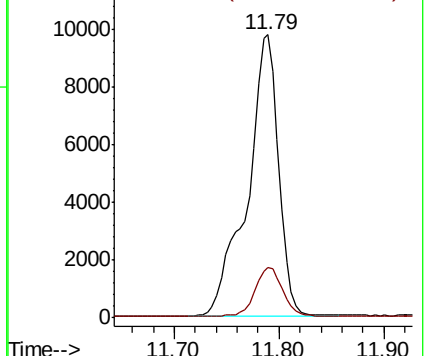
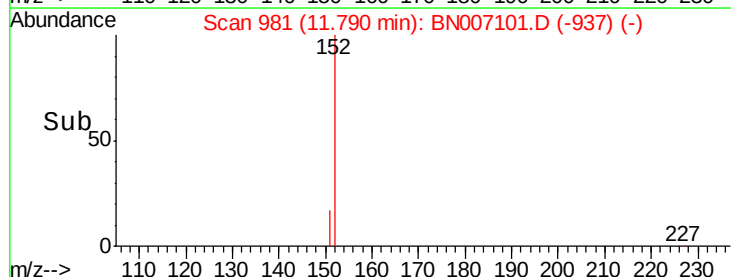
152 100

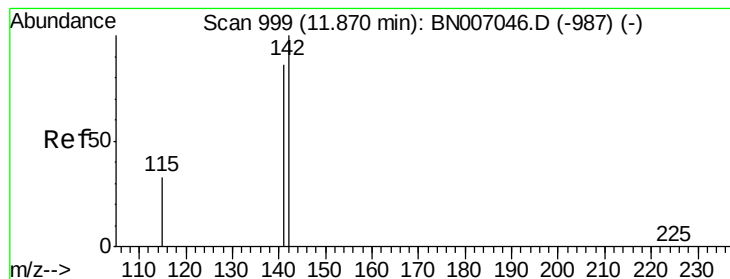
151 15.2 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.311 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampled :

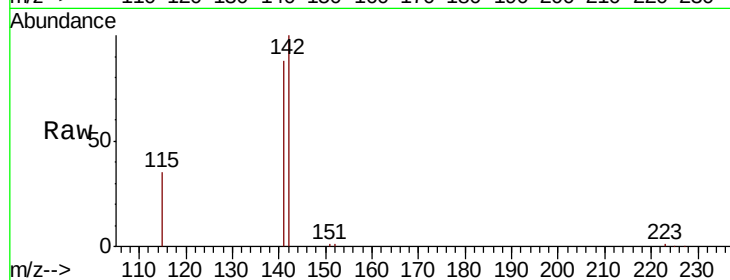
Tot Ion:142 Resp: 16992

Ion Ratio Lower Upper

142 100

141 87.5 69.0 103.6

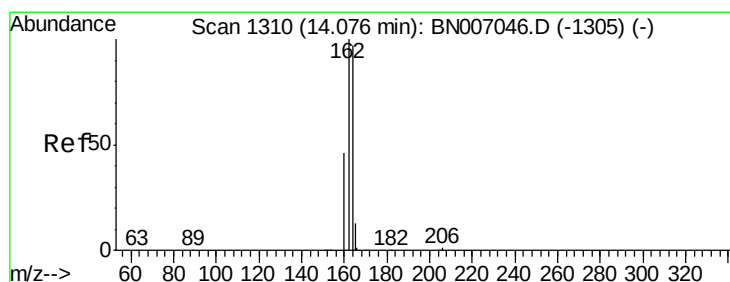
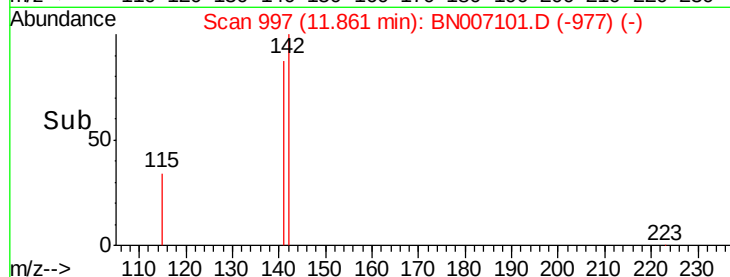
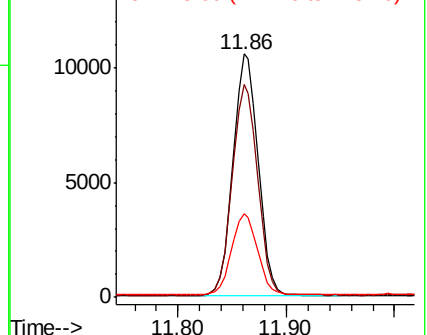
115 34.6 27.1 40.7



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



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

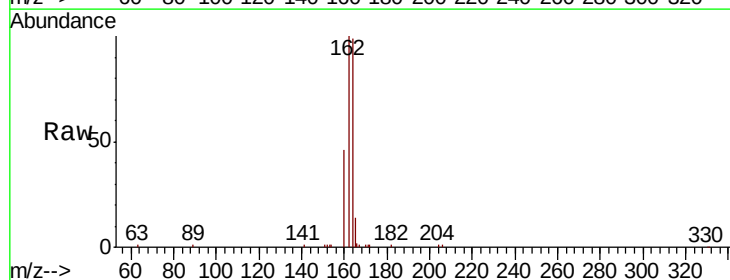
Tgt Ion:164 Resp: 15542

Ion Ratio Lower Upper

164 100

162 100.8 82.2 123.4

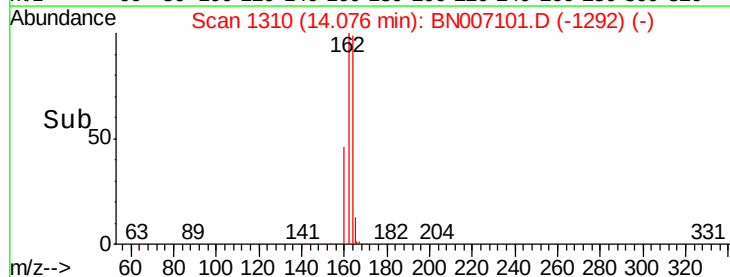
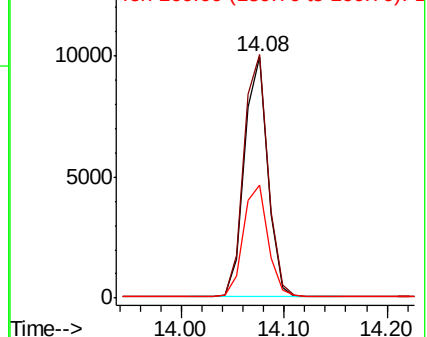
160 46.7 38.3 57.5

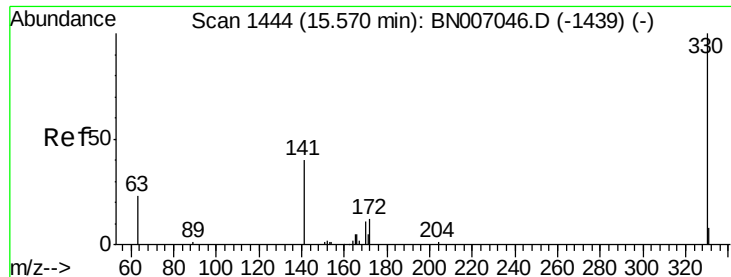


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

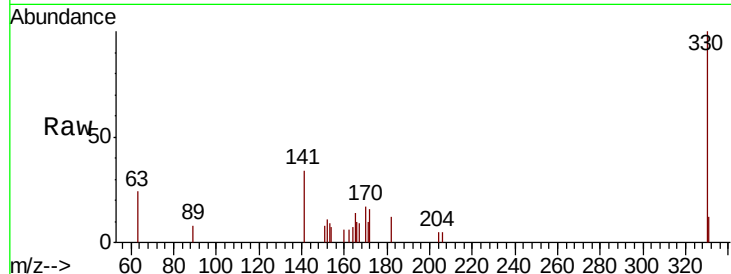




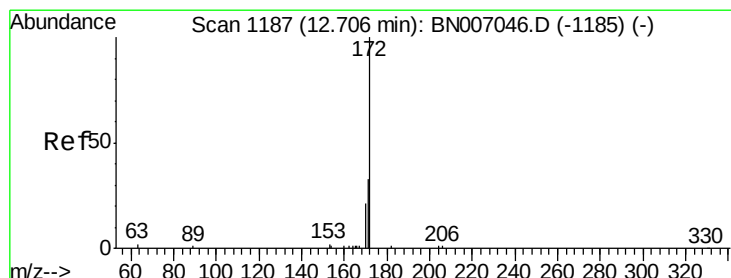
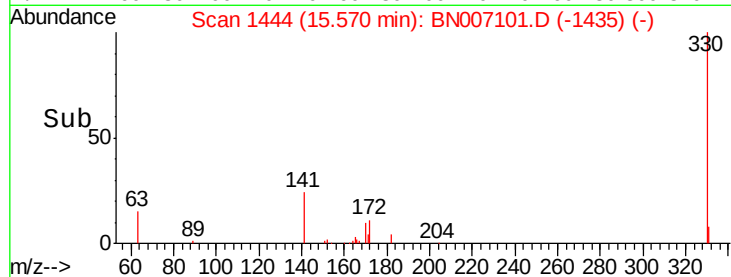
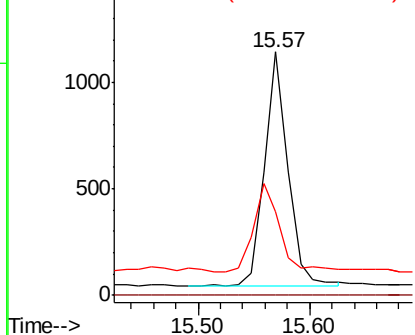
#13
 2,4,6-Tribromophenol
 Concen: 0.190 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1592
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.2 33.6 50.4

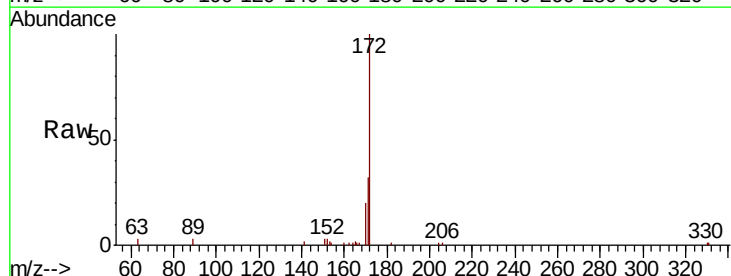


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

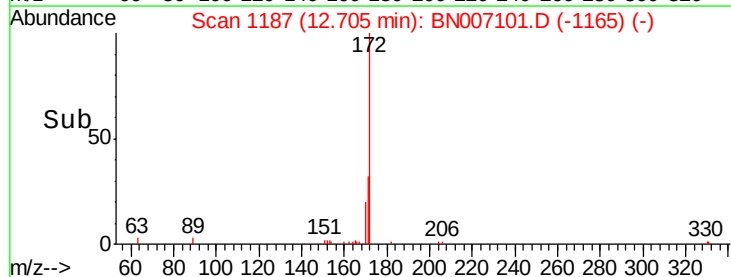
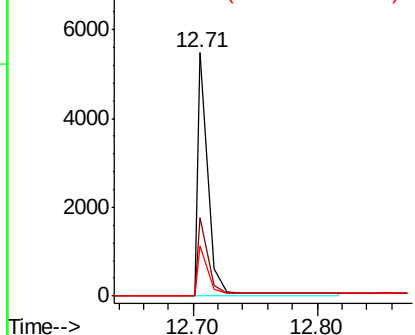


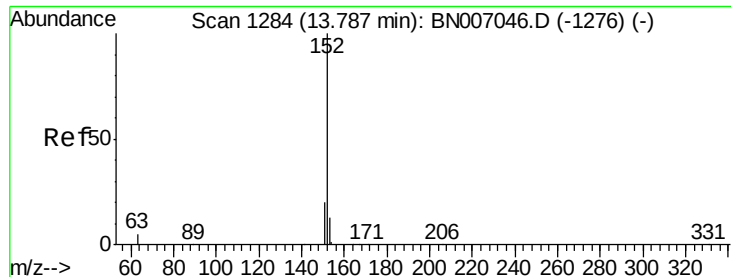
#14
 2-Fluorobiphenyl
 Concen: 0.179 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Tgt Ion:172 Resp: 4034
 Ion Ratio Lower Upper
 172 100
 171 32.4 26.3 39.5
 170 20.5 17.0 25.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 0.304 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

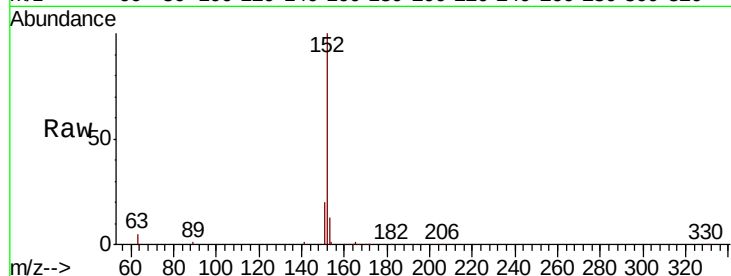
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 24676

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

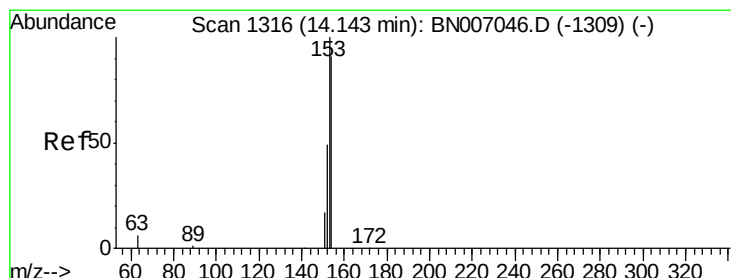
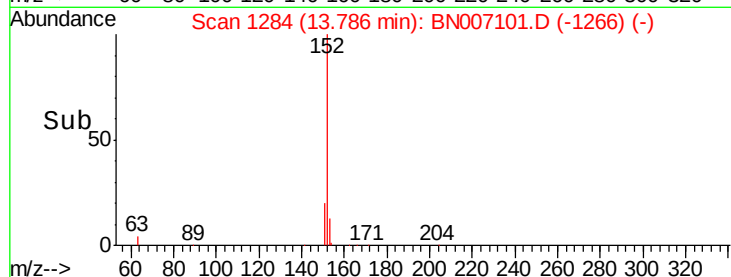
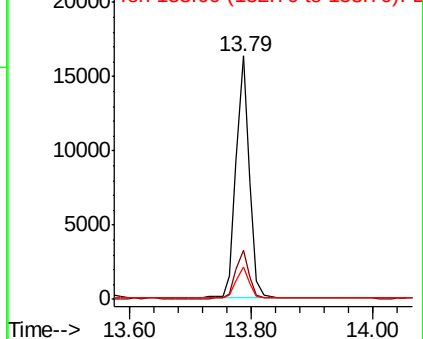


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.307 ng

RT: 14.13 min Scan# 1315

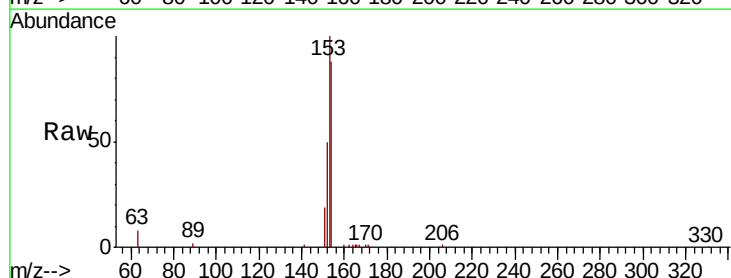
Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Tgt Ion:154 Resp: 15976

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.5	134.3
152	55.0	44.8	67.2

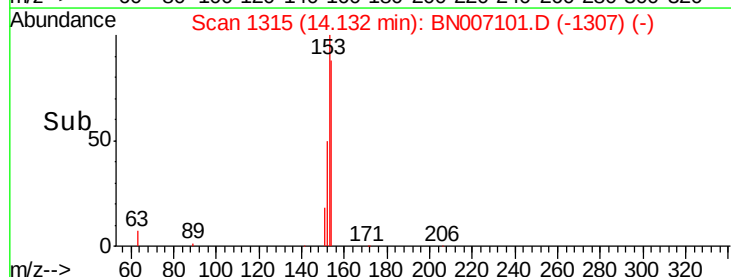
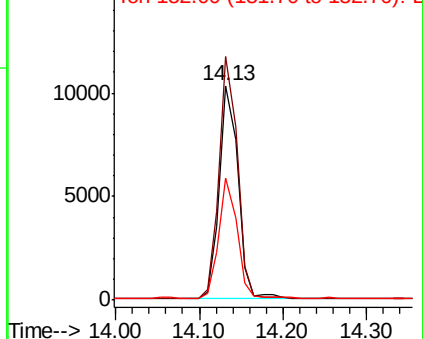


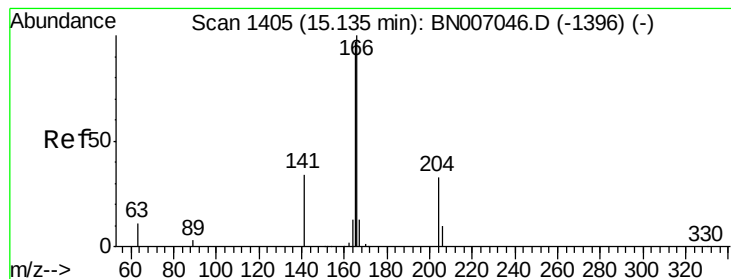
Abundance

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





#17

Fluorene

Concen: 0.263 ng

RT: 15.13 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

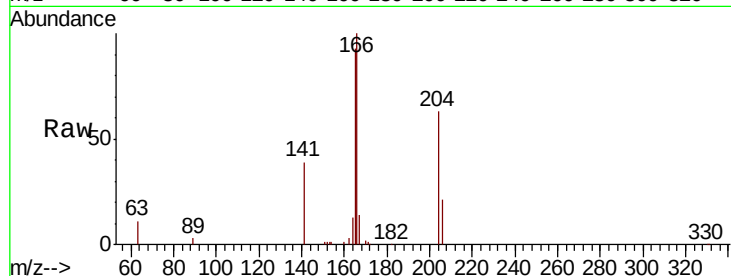
Tot Ion:166 Resp: 20496

Ion Ratio Lower Upper

166 100

165 98.1 77.9 116.9

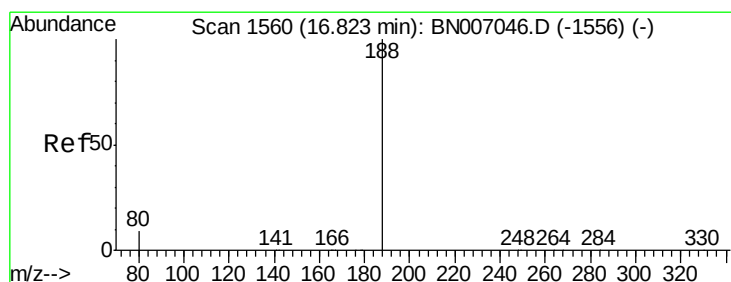
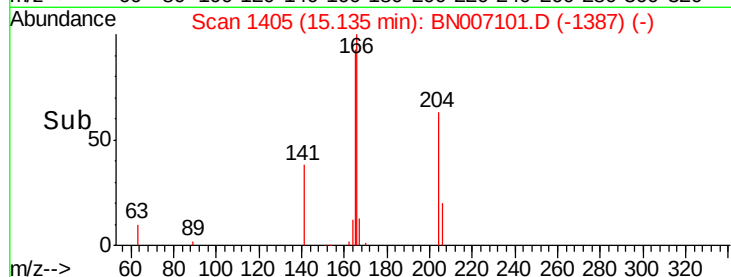
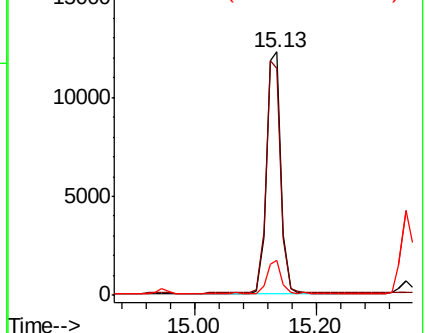
167 13.4 10.9 16.3



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



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

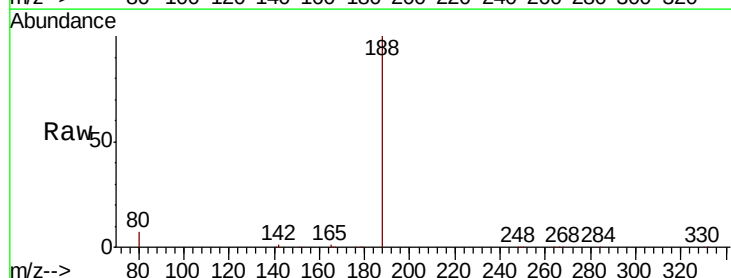
Tgt Ion:188 Resp: 38381

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

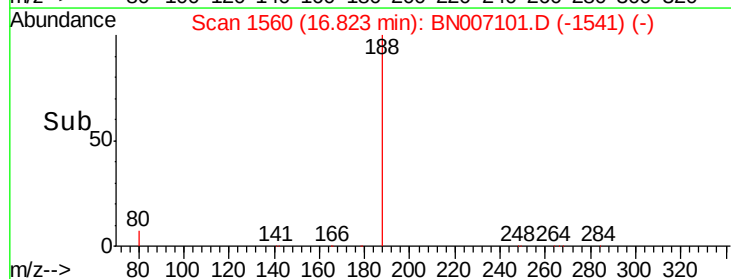
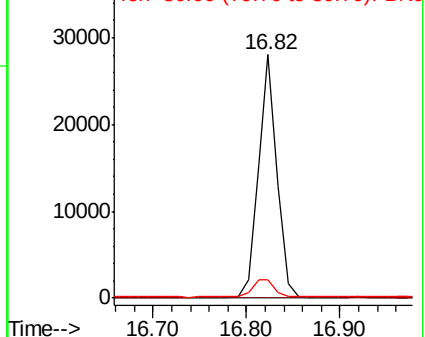
80 7.4 7.8 11.6#

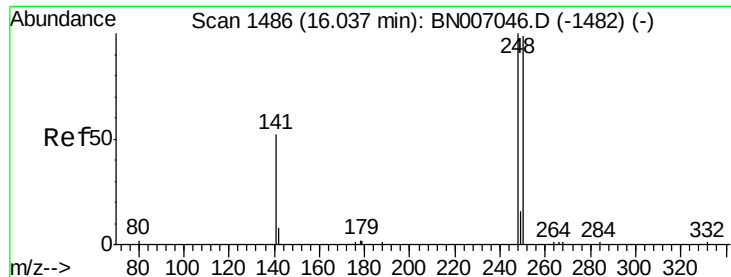


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#19

4-Bromophenyl-phenylether

Concen: 0.358 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

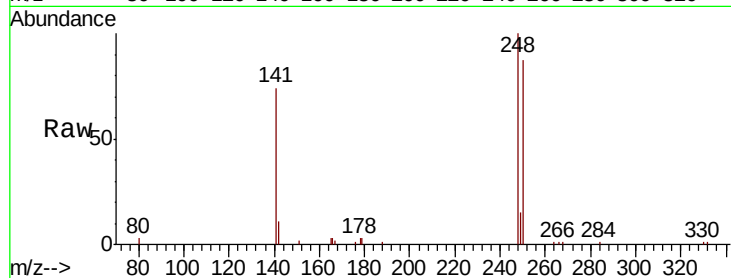
Tot Ion:248 Resp: 8498

Ion Ratio Lower Upper

248 100

250 87.3 78.9 118.3

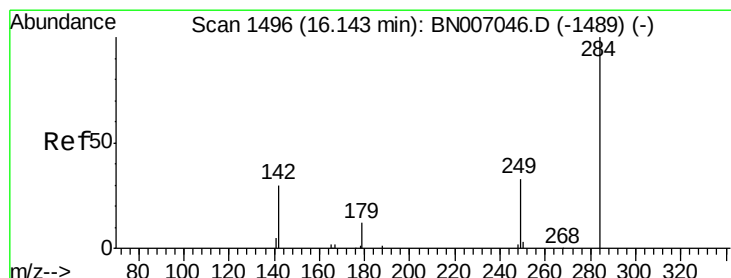
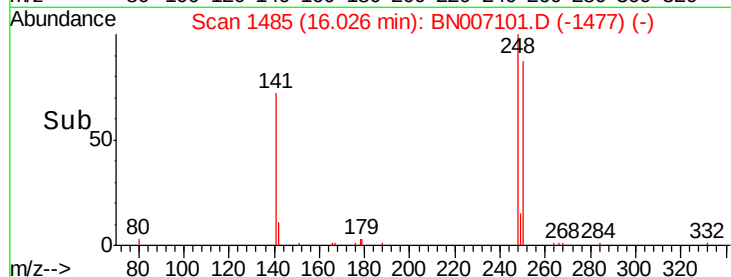
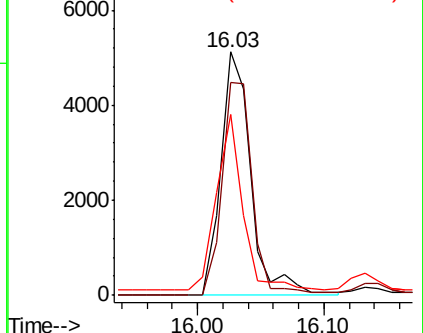
141 74.3 43.3 64.9#



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



#20

Hexachlorobenzene

Concen: 0.317 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

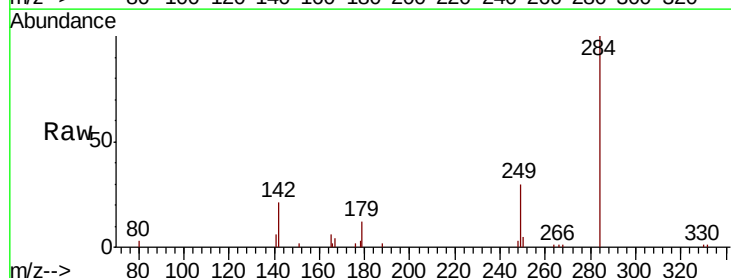
Tgt Ion:284 Resp: 7240

Ion Ratio Lower Upper

284 100

142 37.7 30.5 45.7

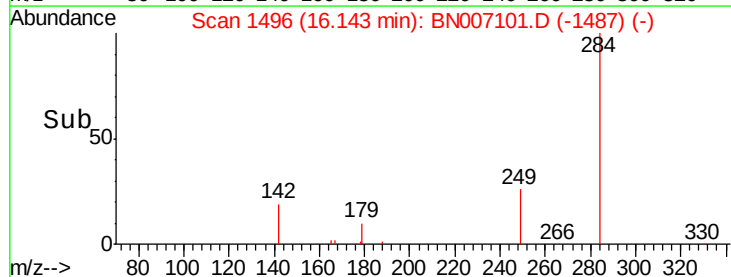
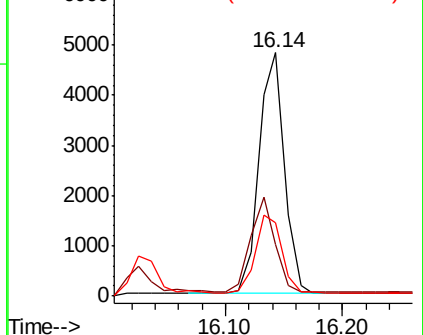
249 33.6 26.7 40.1

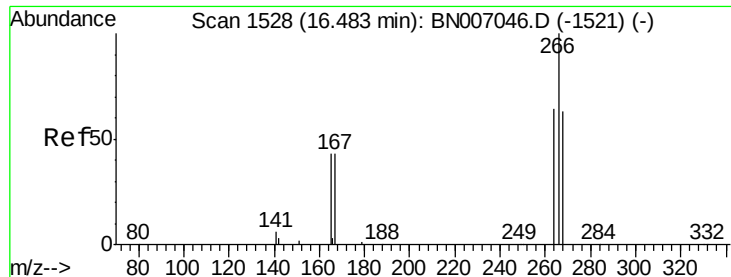


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

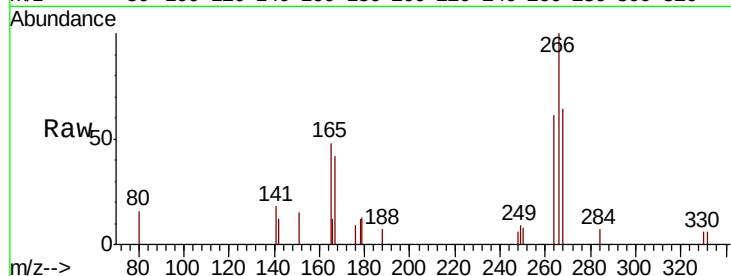




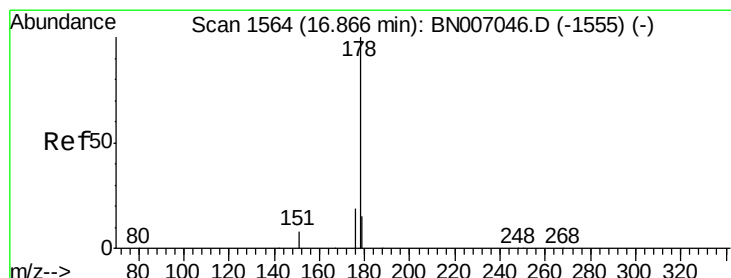
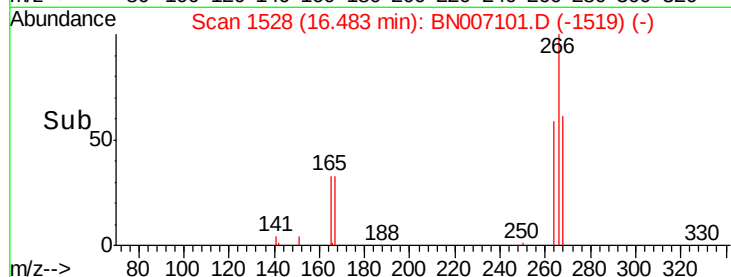
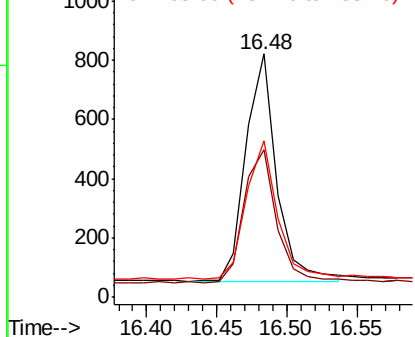
#21
 Pentachlorophenol
 Concen: 0.139 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 1183
 Ion Ratio Lower Upper
 266 100
 264 60.6 52.3 78.5
 268 64.2 51.5 77.3

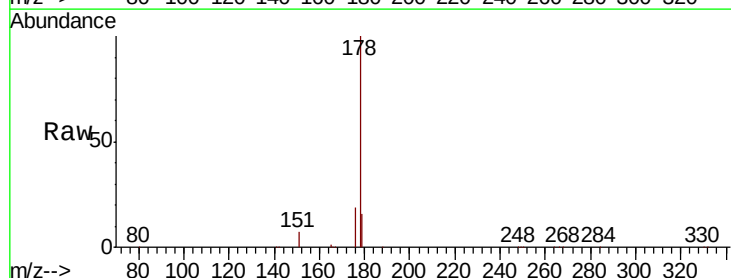


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

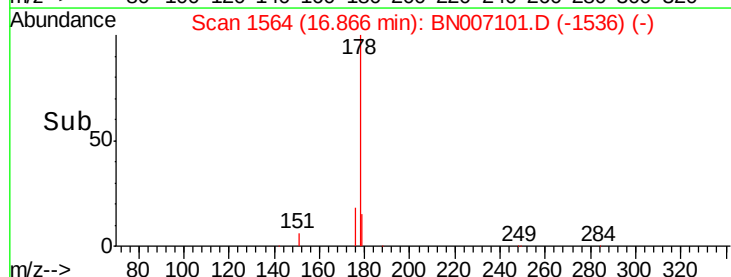
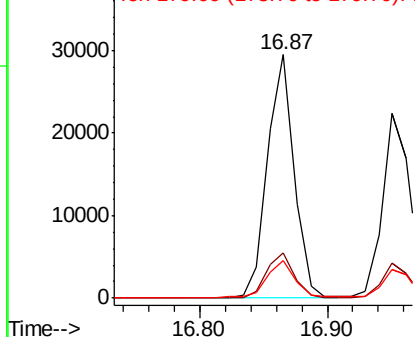


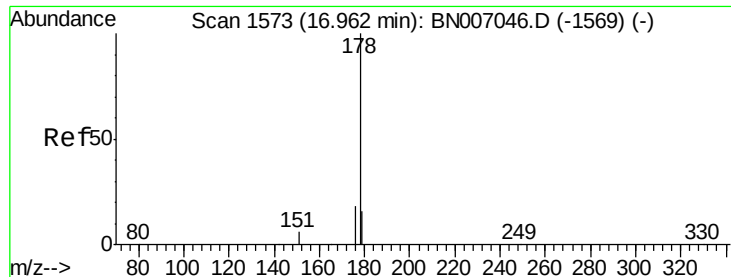
#22
 Phenanthrene
 Concen: 0.369 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Tgt Ion:178 Resp: 42454
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.5 12.3 18.5



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





#23

Anthracene

Concen: 0.317 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

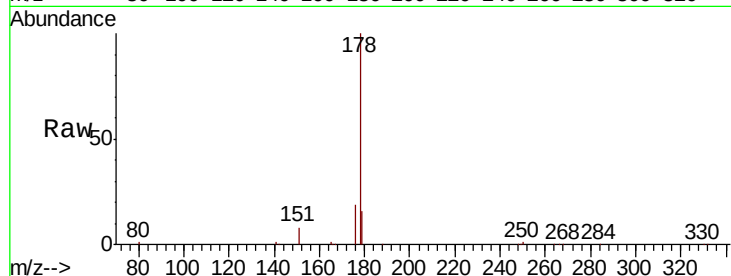
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 33301

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.2	12.5	18.7

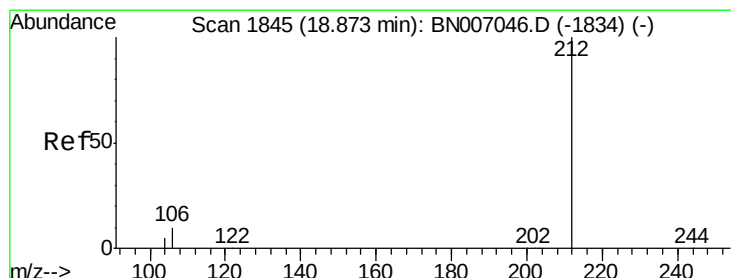
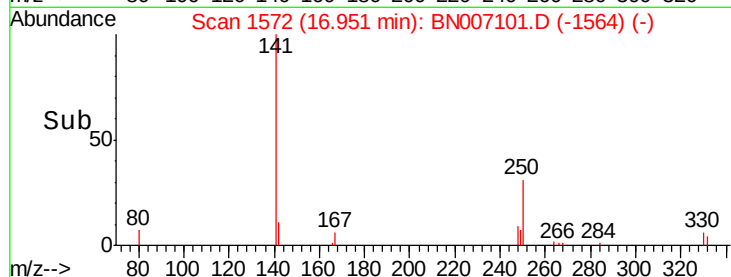
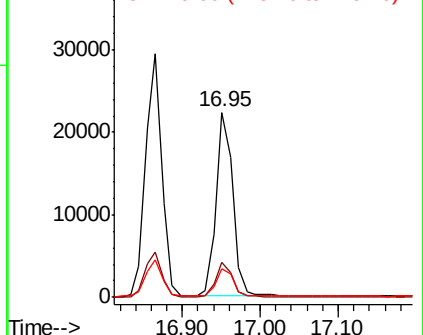


Abundance

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

Fluoranthene-d10

Concen: 0.285 ng

RT: 18.87 min Scan# 1844

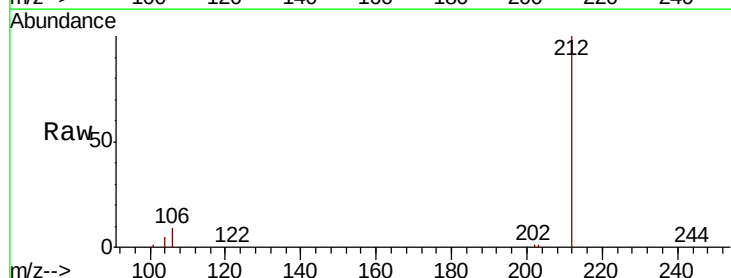
Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Tgt Ion:212 Resp: 38775

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.5	4.5	6.7

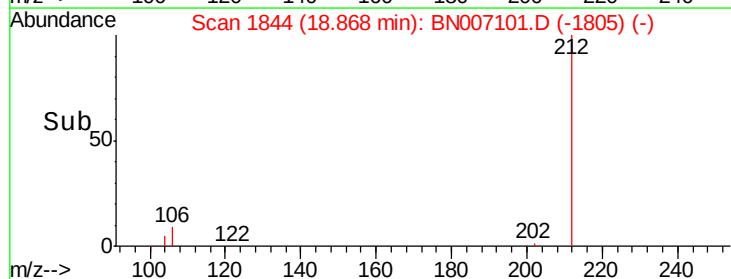
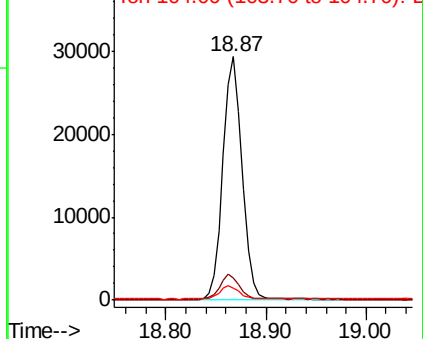


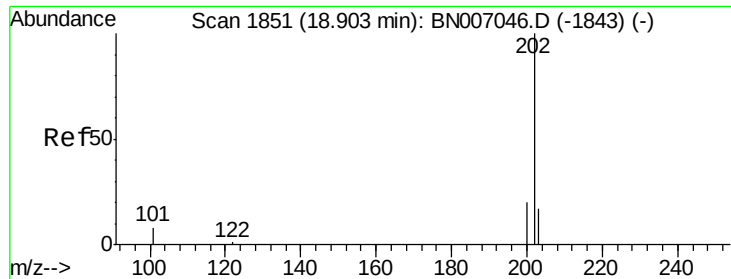
Abundance

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





#25

Fluoranthene

Concen: 0.387 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampled :

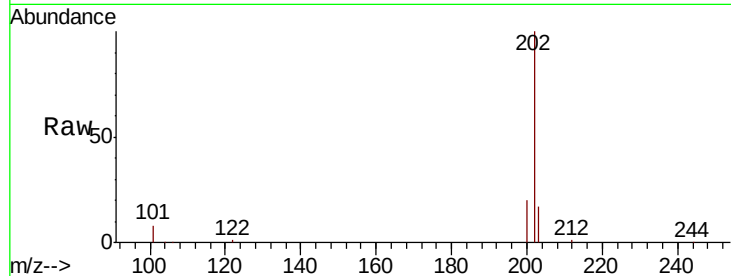
Tot Ion:202 Resp: 56966

Ion Ratio Lower Upper

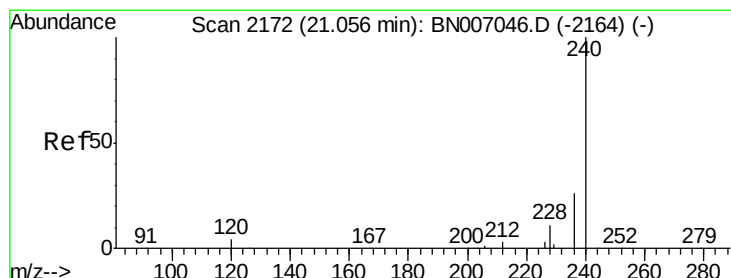
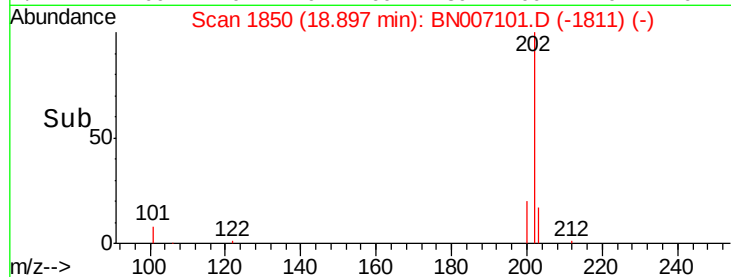
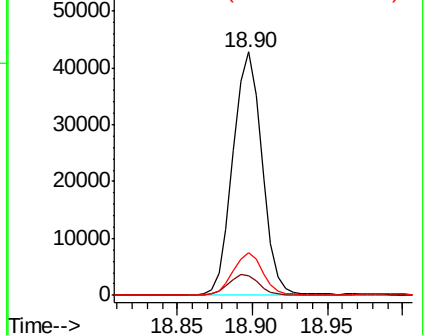
202 100

101 8.7 7.0 10.4

203 17.3 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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

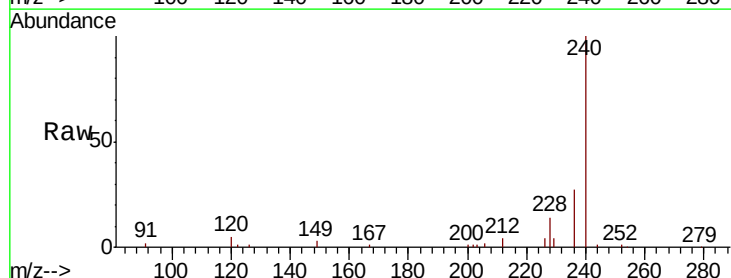
Tgt Ion:240 Resp: 40057

Ion Ratio Lower Upper

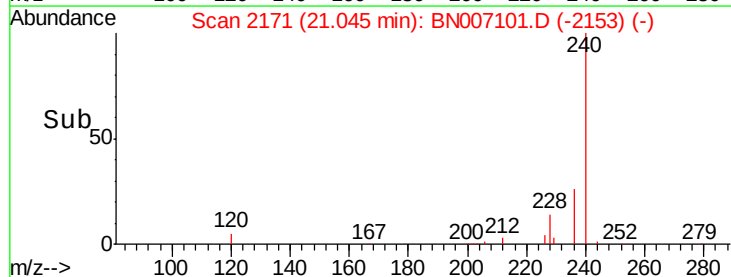
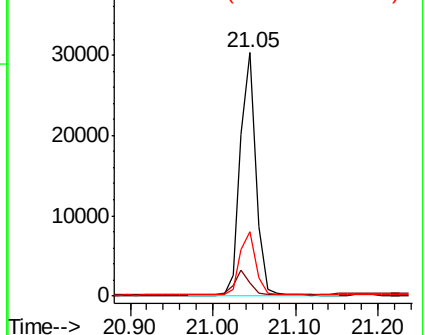
240 100

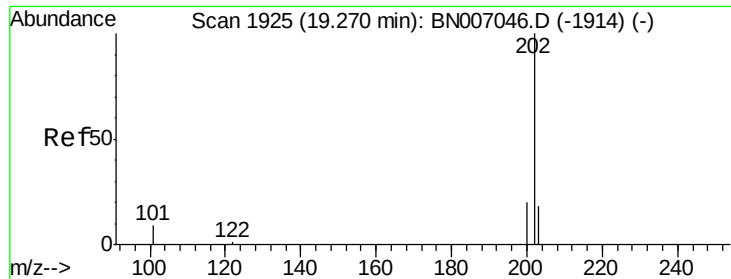
120 5.5 4.0 6.0

236 26.5 21.3 31.9



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

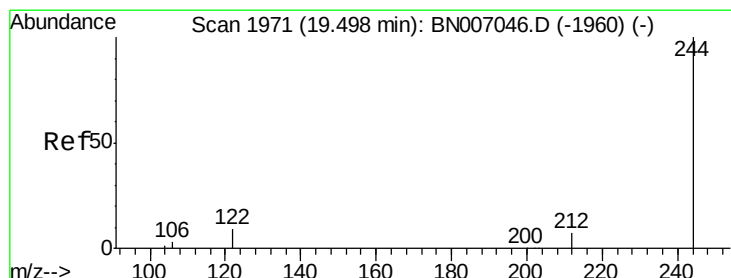
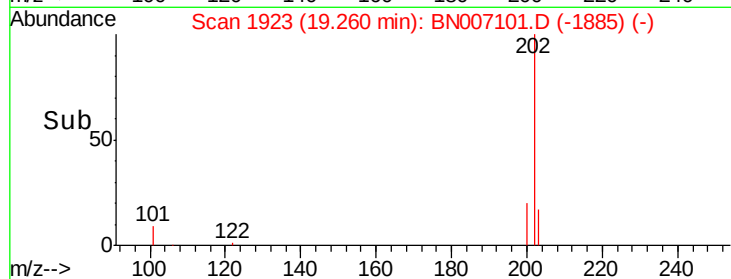
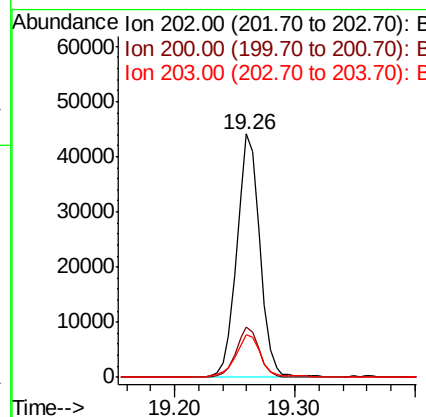
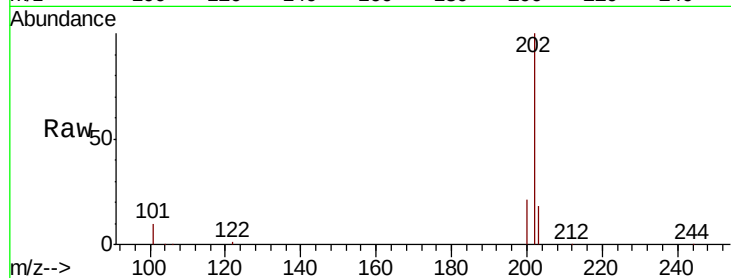




#27
Pvrene
Concen: 0.413 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

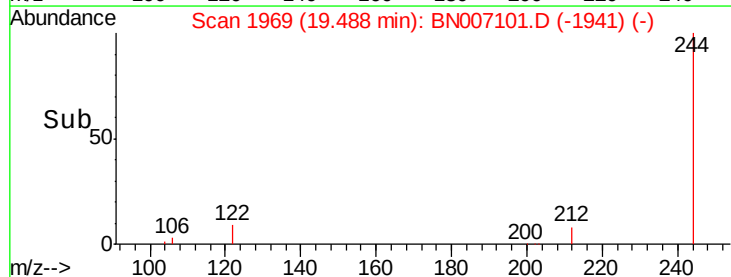
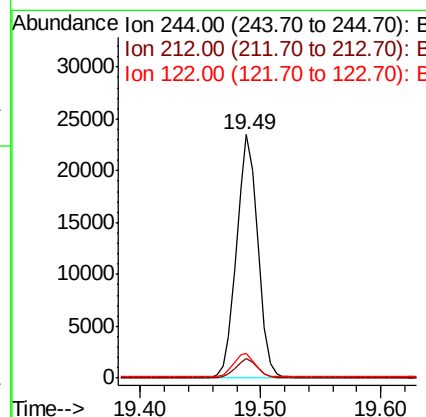
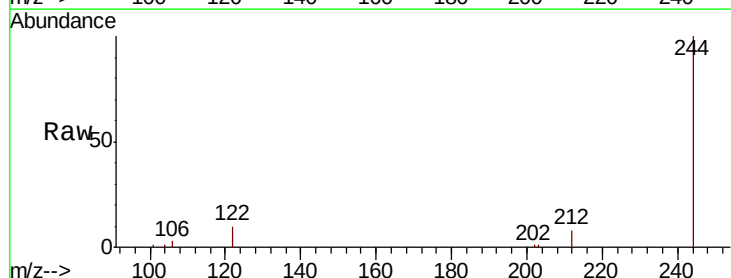
Instrument :
BNA_N
ClientSampleId :

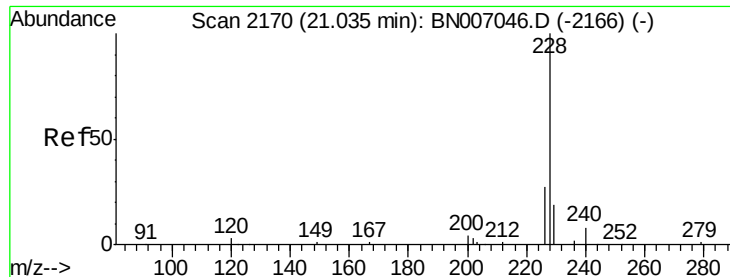
Tot Ion:202 Resp: 58013
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 18.6 14.0 21.0



#28
Terphenyl-d14
Concen: 0.262 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:244 Resp: 28584
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 10.0 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.363 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampled :

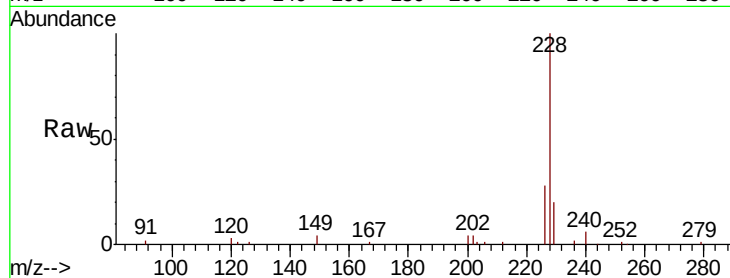
Tot Ion:228 Resp: 53150

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.6

229 19.8 15.6 23.4

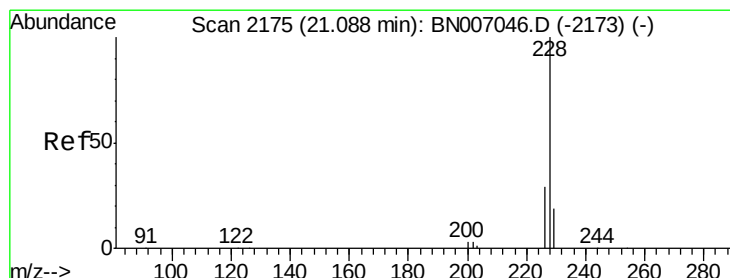
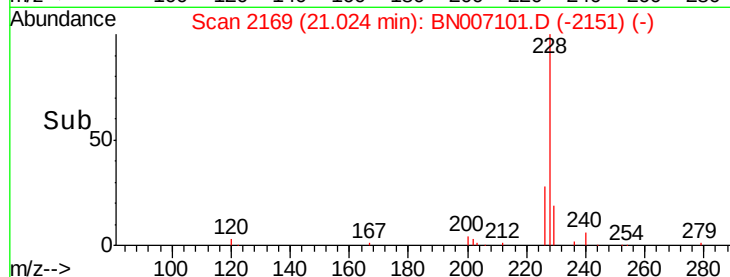
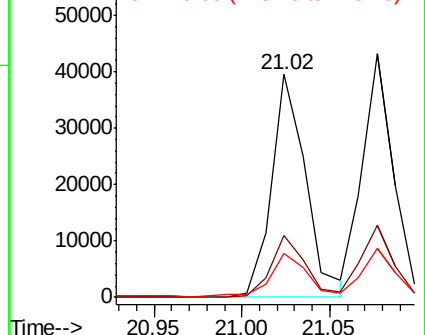


Abundance

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



#30

Chrysene

Concen: 0.370 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

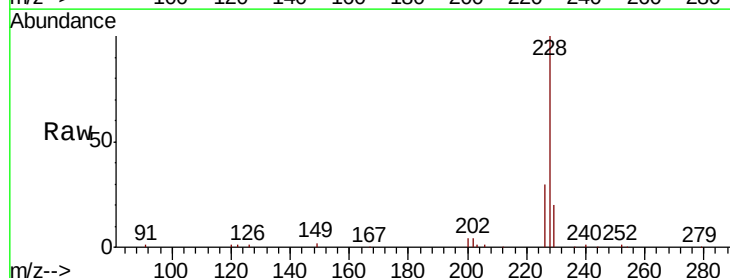
Tgt Ion:228 Resp: 52699

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 20.4 15.7 23.5

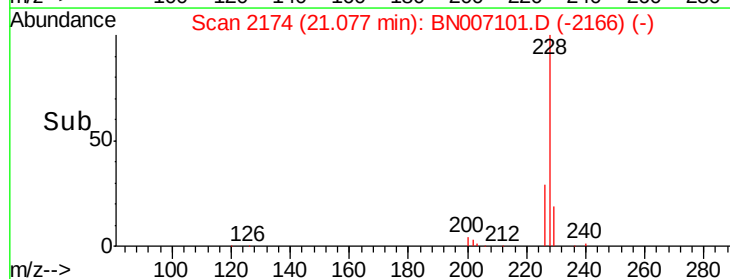
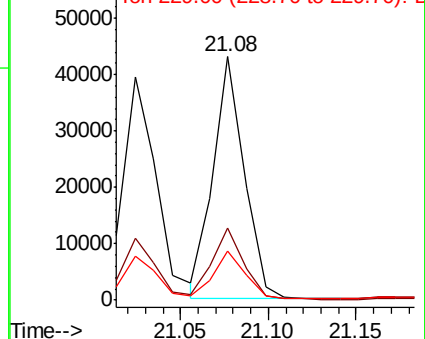


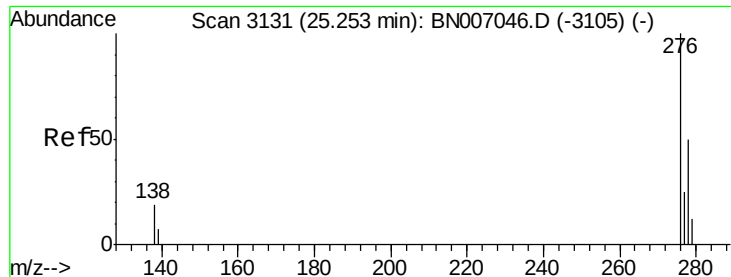
Abundance

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

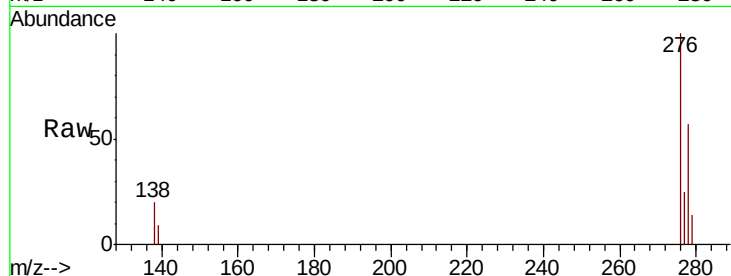




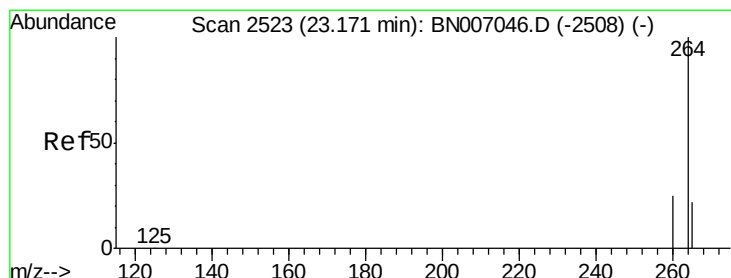
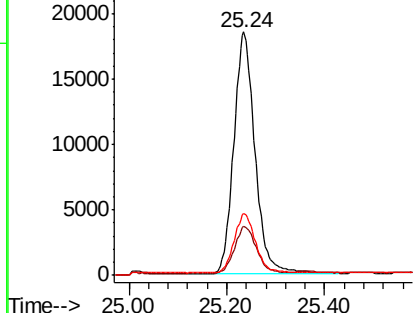
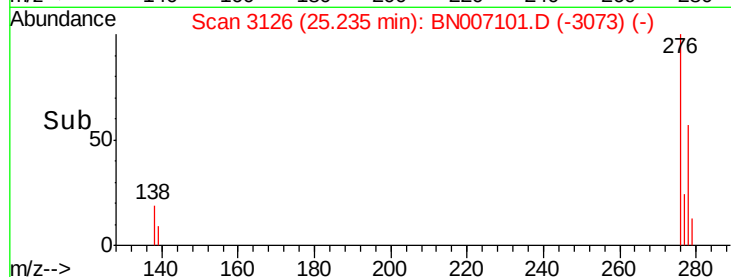
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.358 ng
 RT: 25.24 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 56098
 Ion Ratio Lower Upper
 276 100
 138 19.8 16.0 24.0
 277 24.2 19.9 29.9

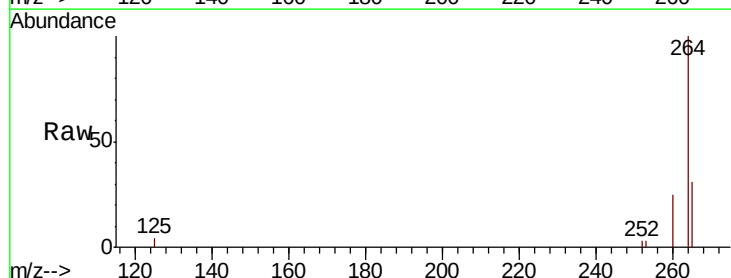


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

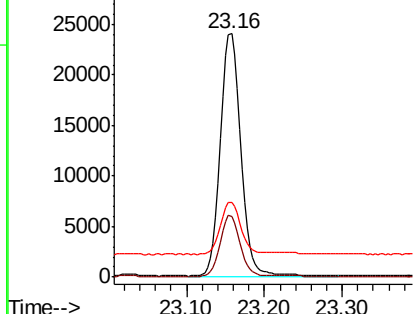
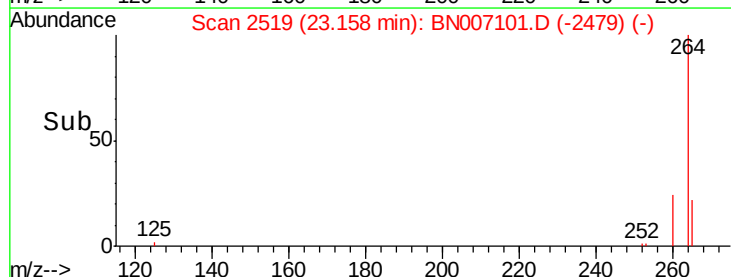


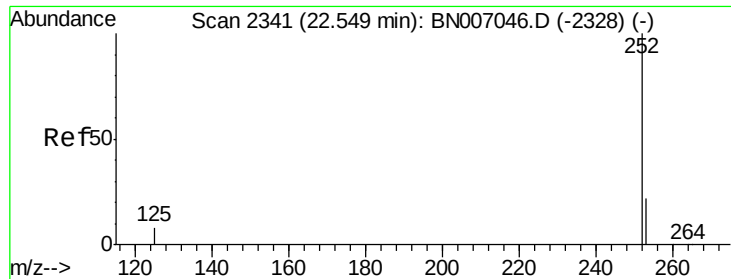
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007101.D
 Acq: 12 Aug 2019 17:05

Tgt Ion:264 Resp: 43510
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.8 29.8
 265 30.9 26.2 39.4



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





#33

Benzo(b)fluoranthene

Concen: 0.368 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

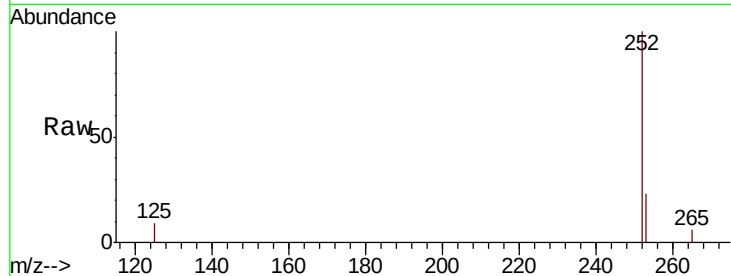
Tot Ion:252 Resp: 54954

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

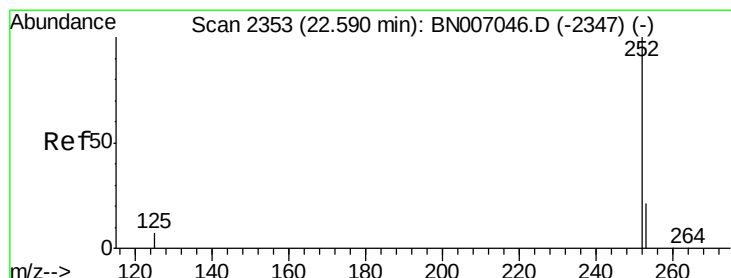
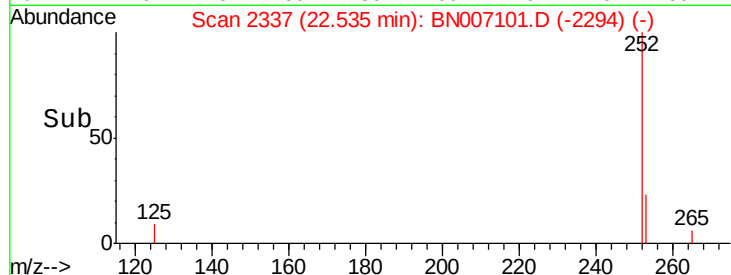
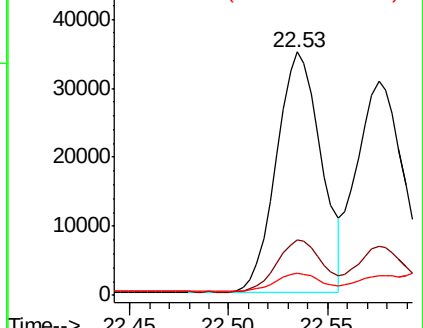
125 9.2 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.358 ng

RT: 22.58 min Scan# 2349

Delta R.T. -0.01 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

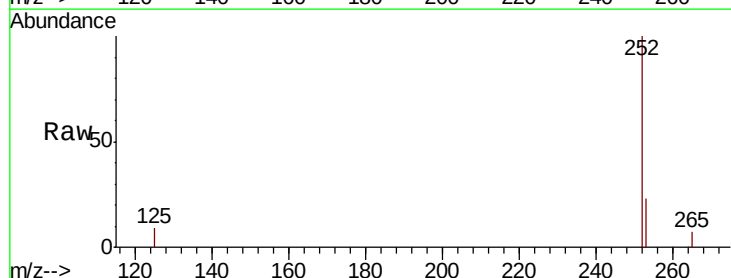
Tgt Ion:252 Resp: 52783

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

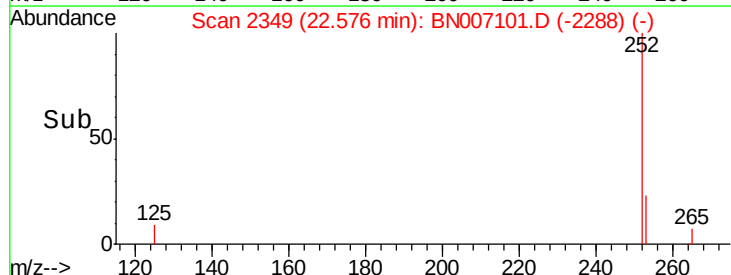
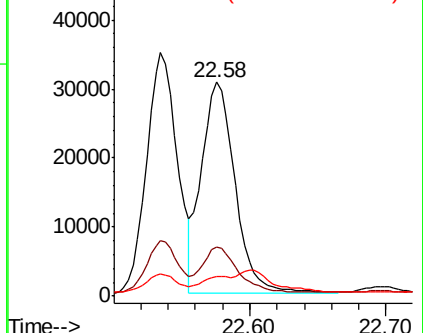
125 9.4 7.4 11.0

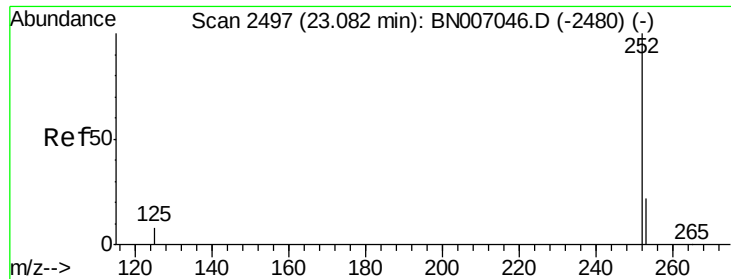


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.359 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :

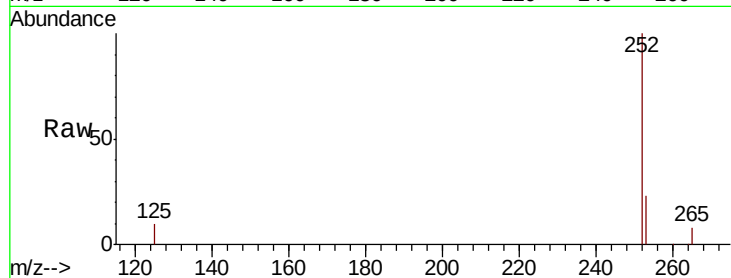
Tot Ion:252 Resp: 48579

Ion Ratio Lower Upper

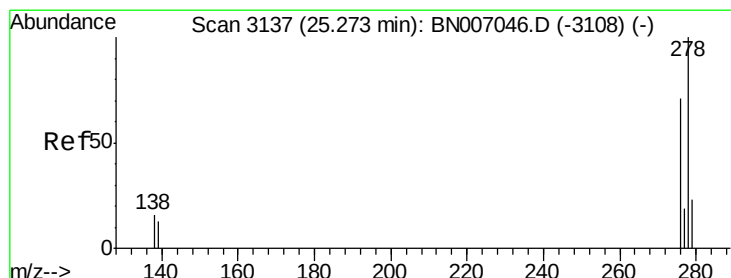
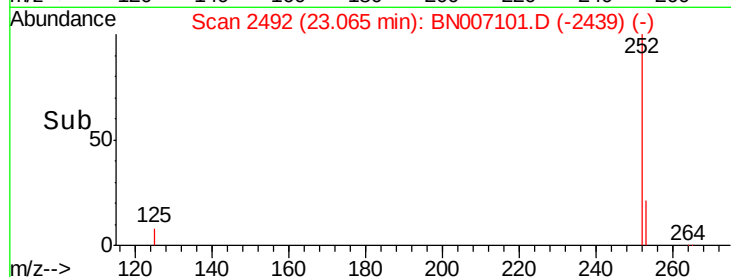
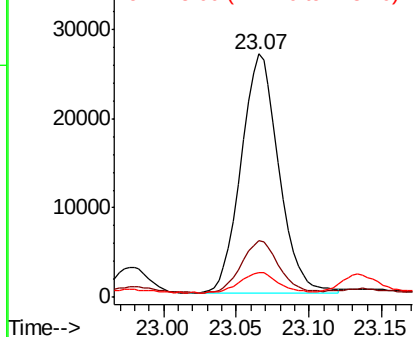
252 100

253 23.2 18.5 27.7

125 10.2 8.2 12.4



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

Dibenzo(a,h)anthracene

Concen: 0.323 ng

RT: 25.25 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

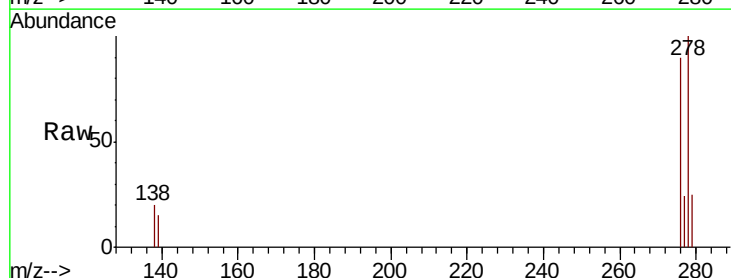
Tgt Ion:278 Resp: 43653

Ion Ratio Lower Upper

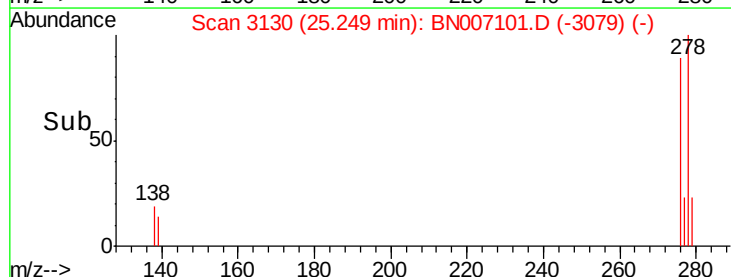
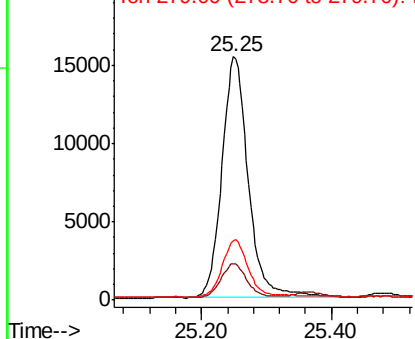
278 100

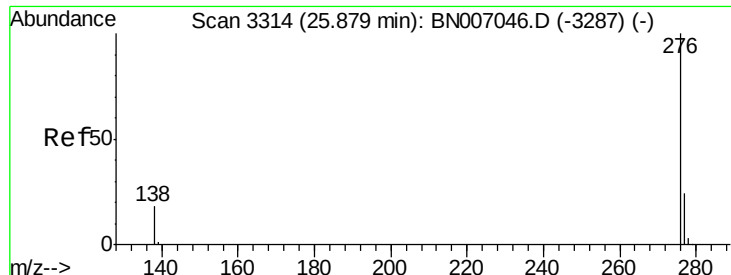
139 14.8 11.3 16.9

279 24.6 19.3 28.9



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





#37

Benzo(a,h,i)perylene

Concen: 0.345 ng

RT: 25.85 min Scan# 3307

Delta R.T. -0.02 min

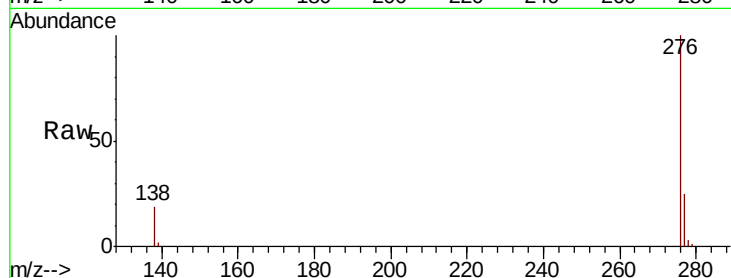
Lab File: BN007101.D

Acq: 12 Aug 2019 17:05

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 47951

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 18.6 14.6 22.0

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

