

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007305.D
 Acq On : 22 Aug 2019 00:11
 Operator : HP/JU
 Sample : PB122438BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 22 05:01:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	4558	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16640	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	9076	0.40	ng	0.00
19) Phenanthrene-d10	16.82	188	21674	0.40	ng	0.00
27) Chrysene-d12	21.03	240	25186	0.40	ng	0.00
34) Perylene-d12	23.14	264	27124	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	4376	0.32	ng	0.00
5) Phenol-d6	6.61	99	5384	0.33	ng	0.00
8) Nitrobenzene-d5	8.54	82	3955	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	8953	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1641	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	11621	0.30	ng	0.00
25) Fluoranthene-d10	18.85	212	24257	0.35	ng	0.00
29) Terphenyl-d14	19.48	244	18782	0.30	ng	0.00

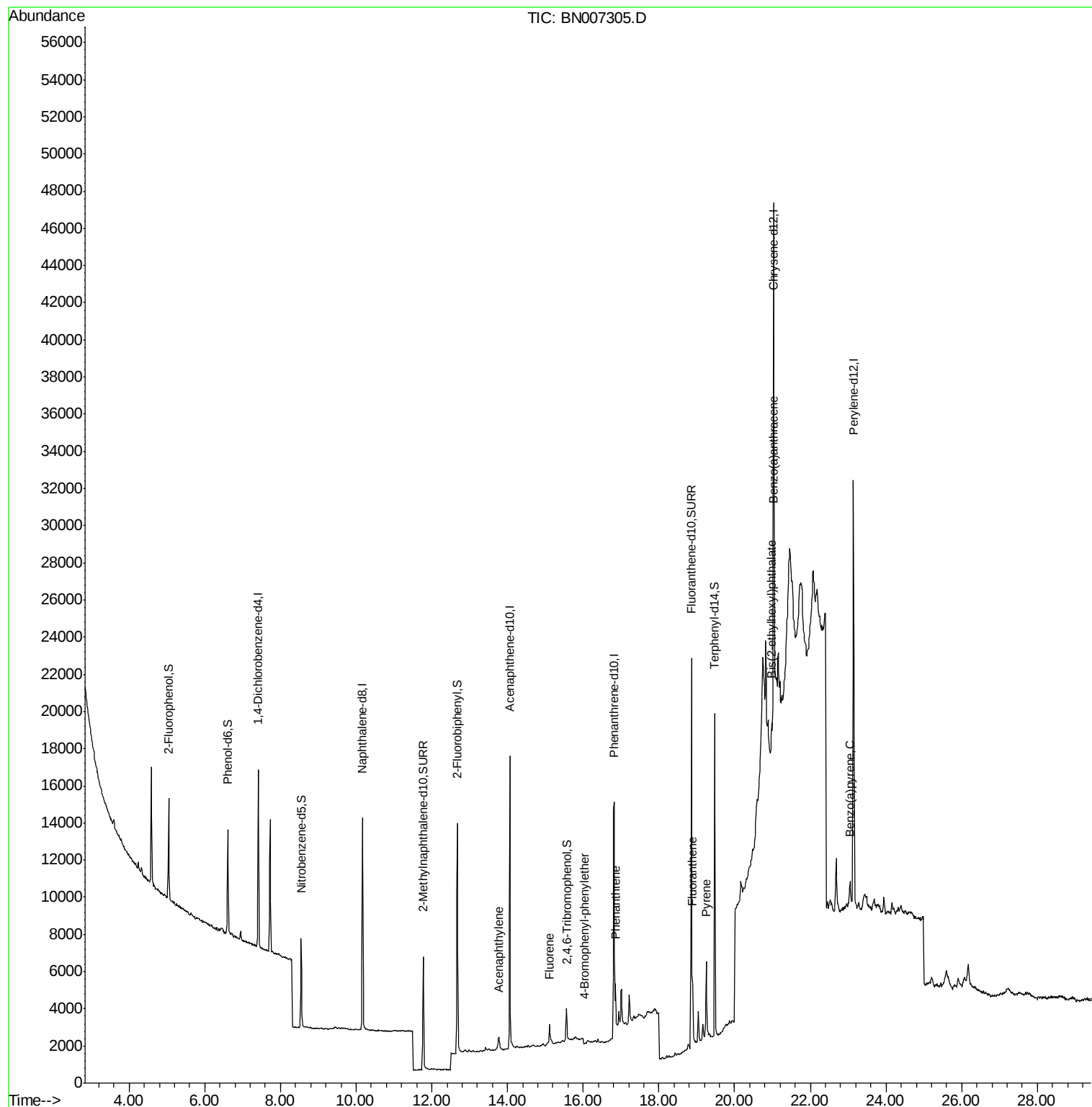
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	13.77	152	2041	0.042	ng	94
18) Fluorene	15.12	166	1450	0.036	ng	94
20) 4-Bromophenyl-phenylether	16.02	248	265	0.021	ng	# 32
23) Phenanthrene	16.85	178	3424	0.050	ng	97
26) Fluoranthene	18.88	202	6039	0.073	ng	100
28) Pyrene	19.25	202	4846	0.051	ng	# 93
30) Benzo(a)anthracene	21.02	228	2727	0.029	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.98	149	767	0.020	ng	# 52
37) Benzo(a)pyrene	23.05	252	2323	0.025	ng	# 1

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

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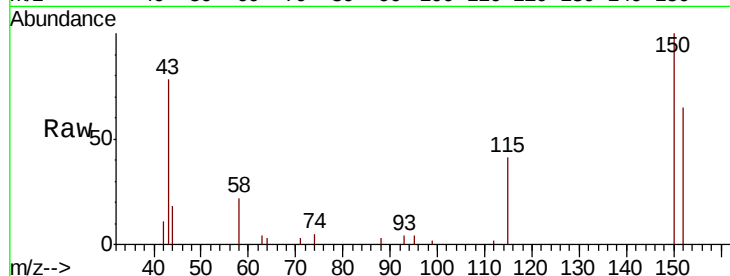


#1

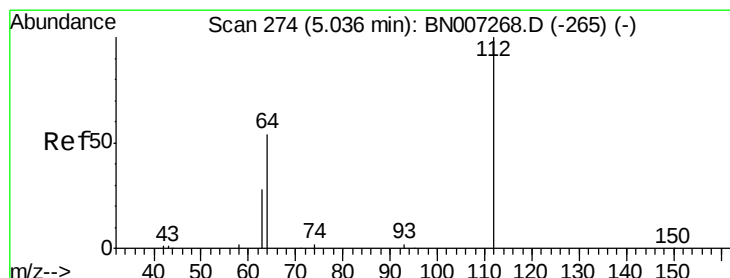
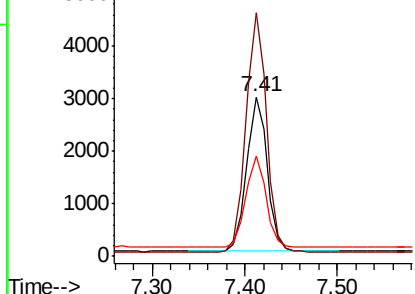
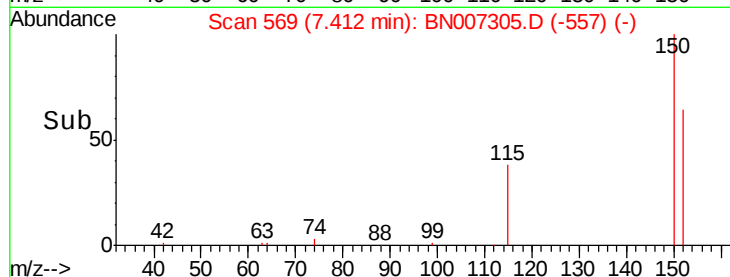
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 4558
Ion Ratio Lower Upper
152 100
150 152.7 123.8 185.8
115 62.5 47.3 70.9



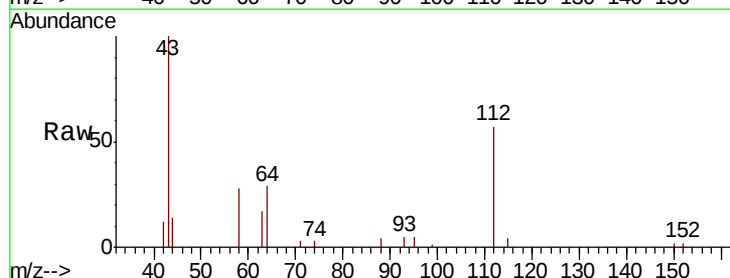
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



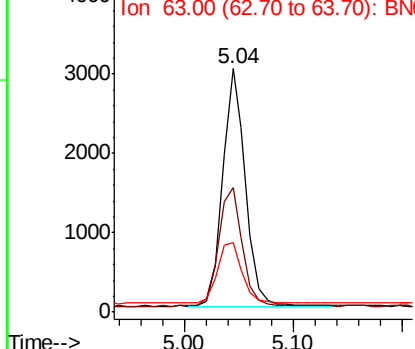
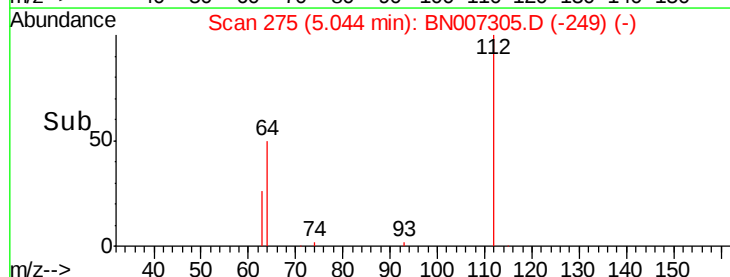
#4

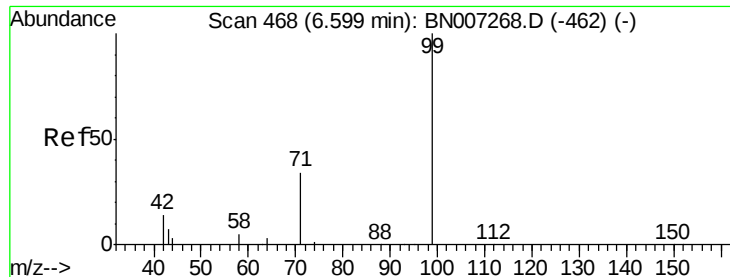
2-Fluorophenol
Concen: 0.315 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Tgt Ion:112 Resp: 4376
Ion Ratio Lower Upper
112 100
64 53.2 41.8 62.8
63 27.9 22.6 34.0



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: 0.334 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

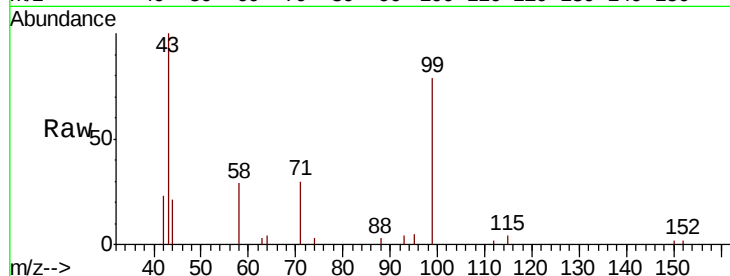
Tot Ion: 99 Resp: 5384

Ion Ratio Lower Upper

99 100

42 17.6 14.3 21.5

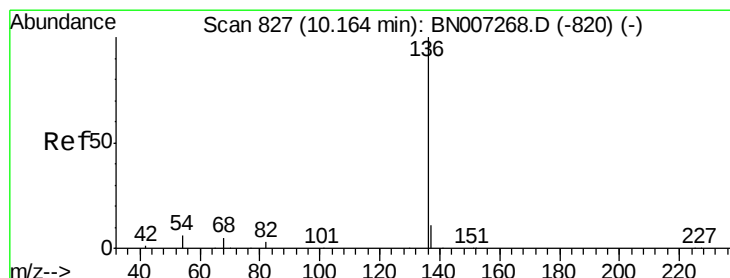
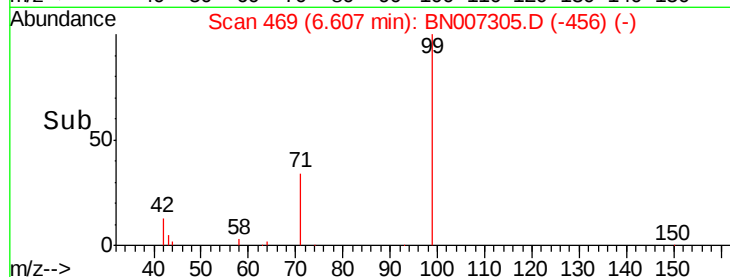
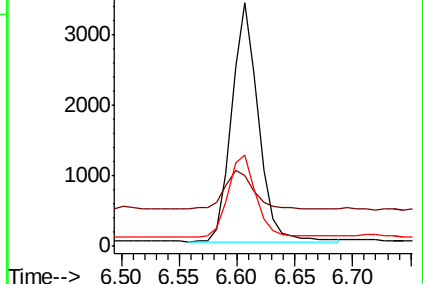
71 35.4 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN007268.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007268.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007268.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Tgt Ion: 136 Resp: 16640

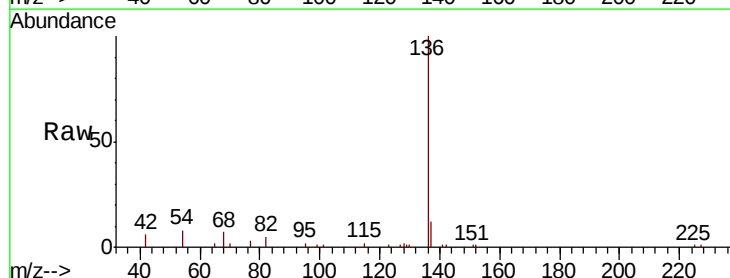
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 8.1 5.9 8.9

68 7.3 5.6 8.4

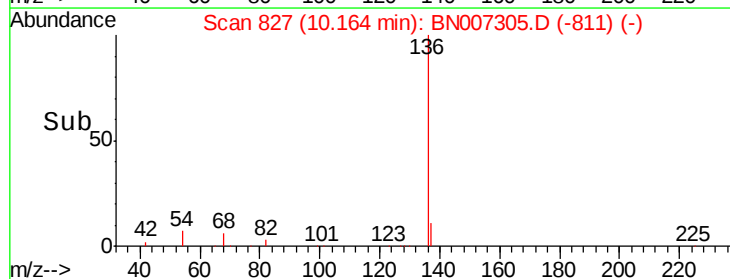
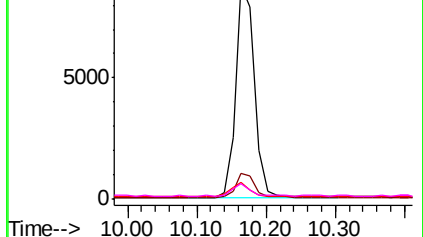


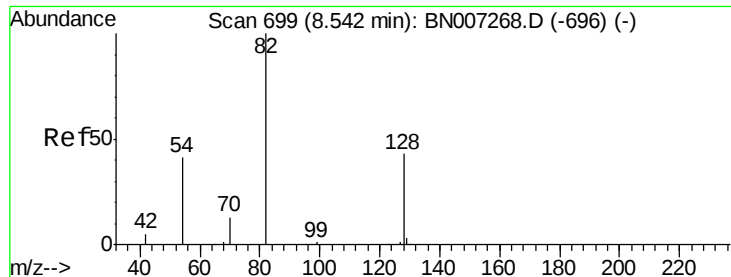
Abundance Ion 136.00 (135.70 to 136.70): BN007268.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BN007268.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN007268.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN007268.D (-820) (-)





#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

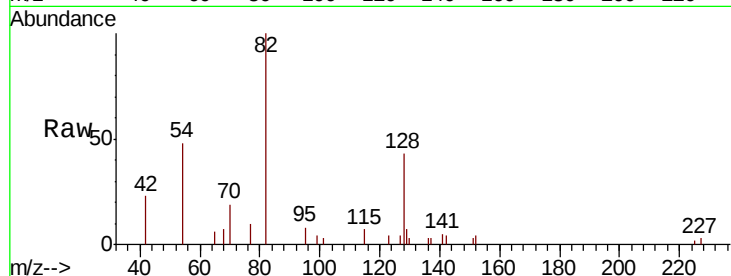
Tot Ion: 82 Resp: 3955

Ion Ratio Lower Upper

82 100

128 43.1 35.8 53.6

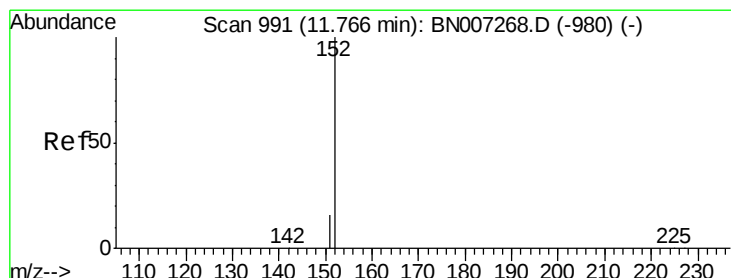
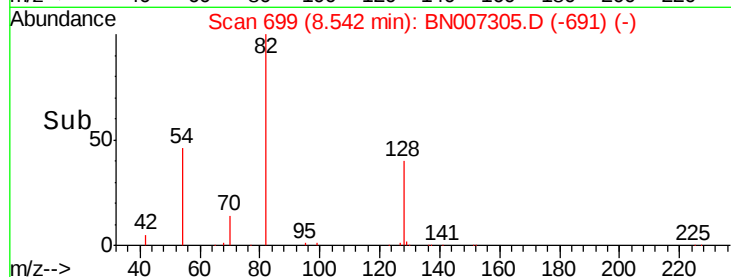
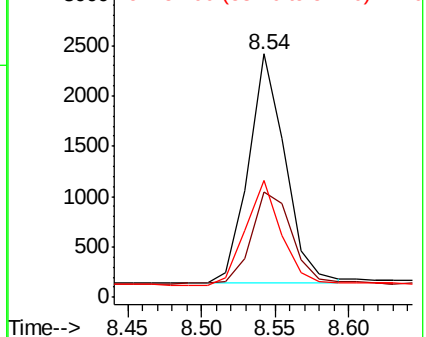
54 48.1 34.7 52.1



Abundance Ion 82.00 (81.70 to 82.70): BN007268.D (-696) (-)

Ion 128.00 (127.70 to 128.70): BN007268.D (-696) (-)

Ion 54.00 (53.70 to 54.70): BN007268.D (-696) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

RT: 11.77 min Scan# 992

Delta R.T. 0.00 min

Lab File: BN007305.D

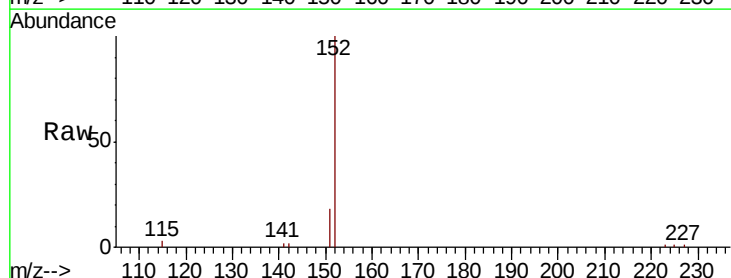
Acq: 22 Aug 2019 00:11

Tgt Ion: 152 Resp: 8953

Ion Ratio Lower Upper

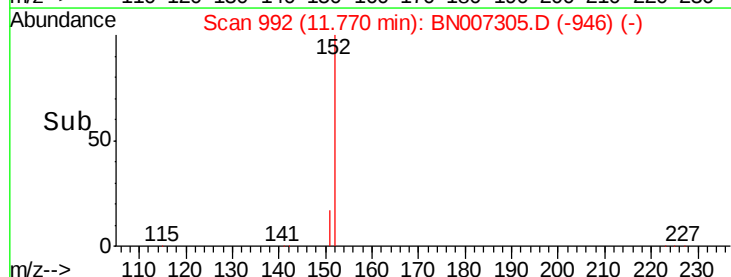
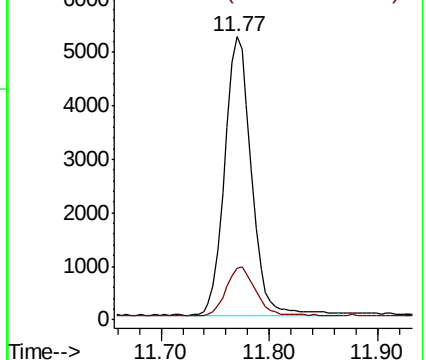
152 100

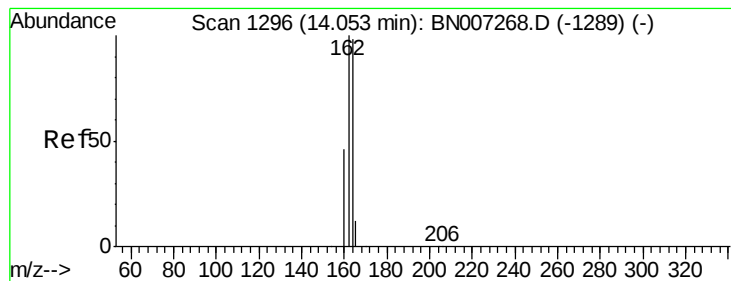
151 19.2 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): BN007268.D (-980) (-)

Ion 151.00 (150.70 to 151.70): BN007268.D (-980) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

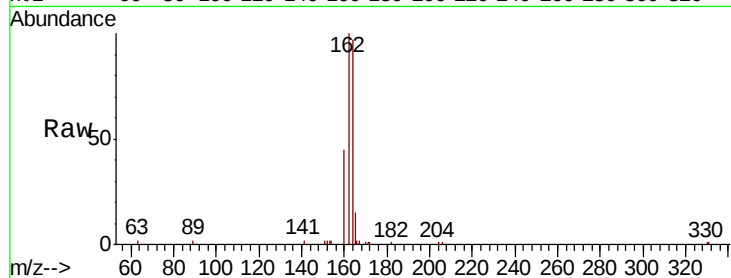
Tot Ion:164 Resp: 9076

Ion Ratio Lower Upper

164 100

162 103.2 82.0 123.0

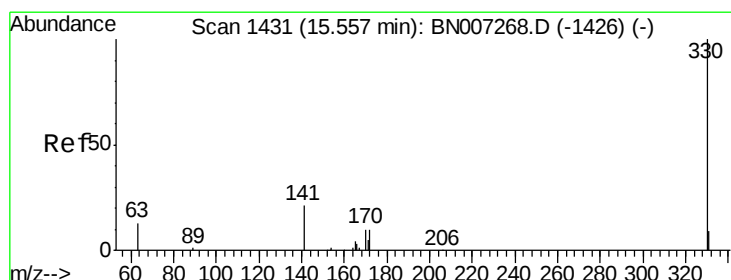
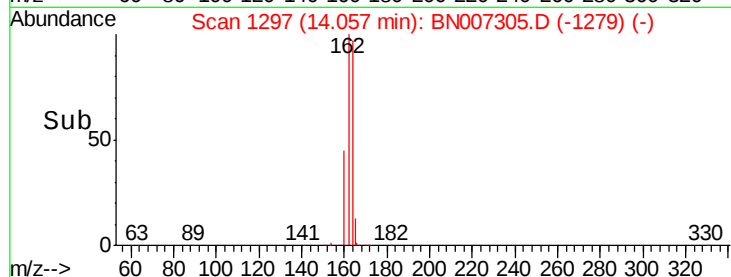
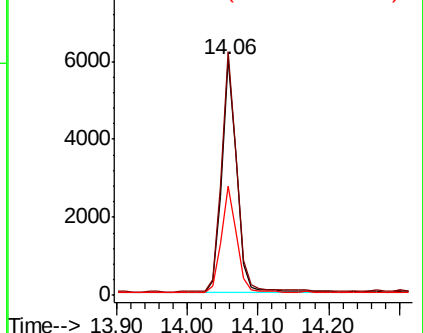
160 46.5 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.322 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

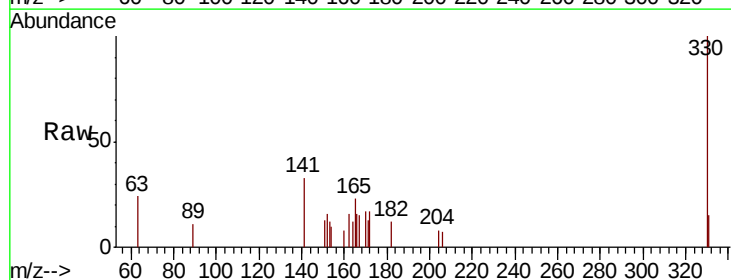
Tgt Ion:330 Resp: 1641

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

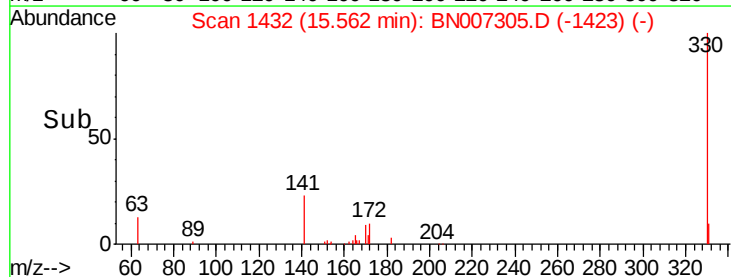
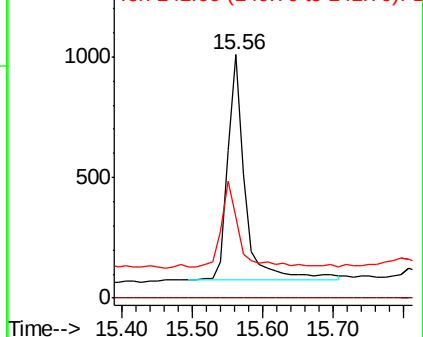
141 38.5 30.3 45.5

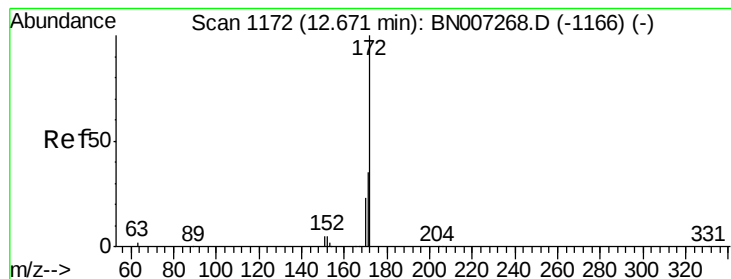


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.299 ng

RT: 12.68 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

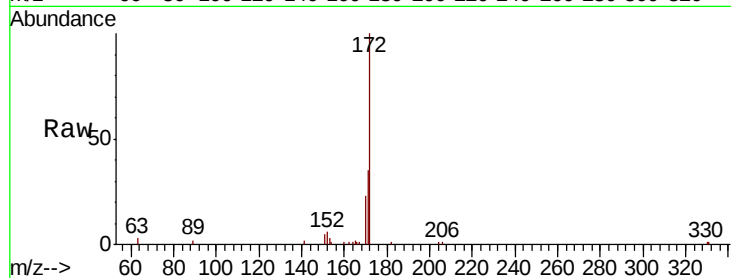
Tot Ion:172 Resp: 11621

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

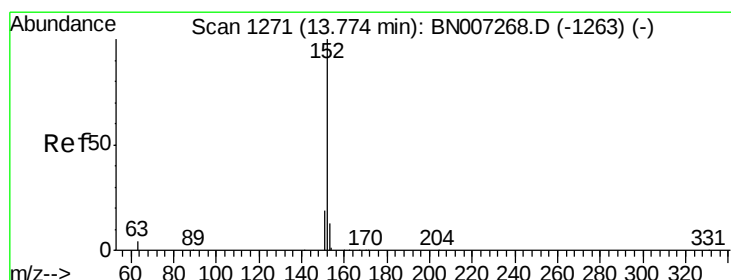
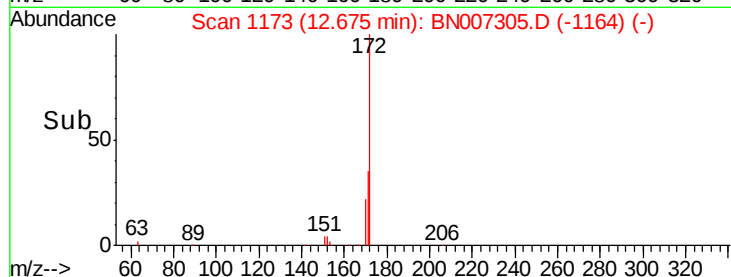
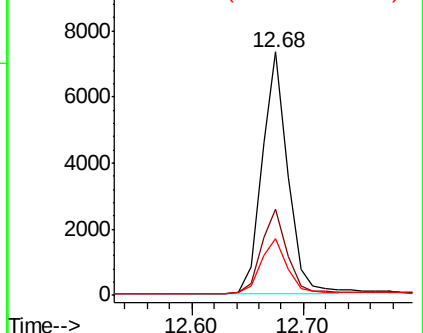
170 23.1 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.042 ng

RT: 13.77 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

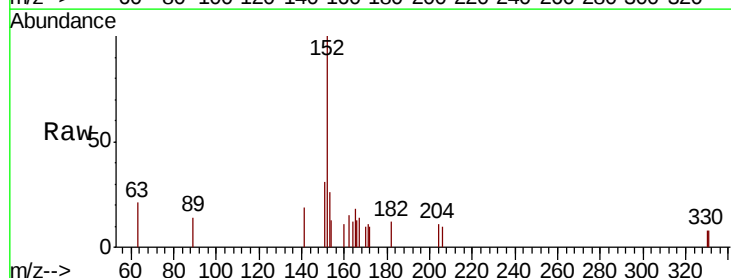
Tgt Ion:152 Resp: 2041

Ion Ratio Lower Upper

152 100

151 15.6 15.4 23.2

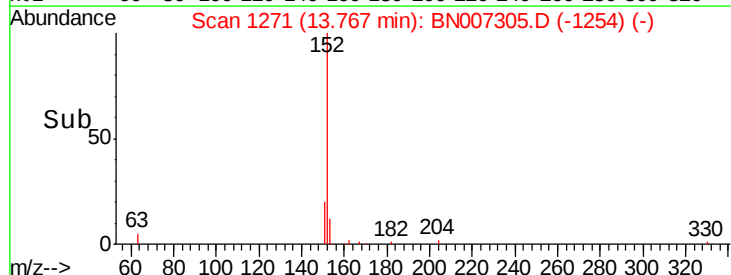
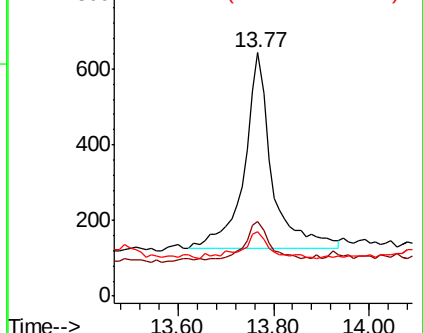
153 11.1 10.1 15.1

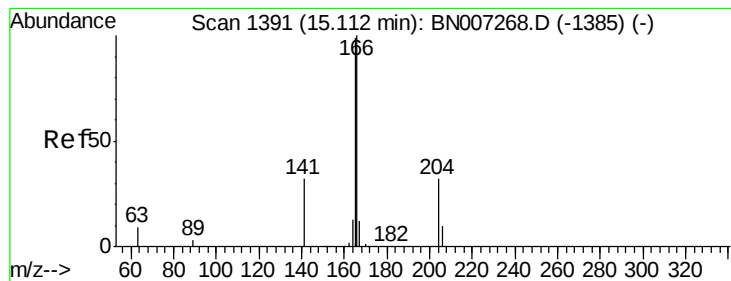


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.036 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

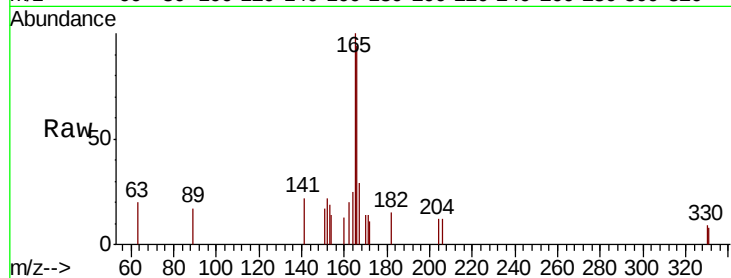
Tot Ion:166 Resp: 1450

Ion Ratio Lower Upper

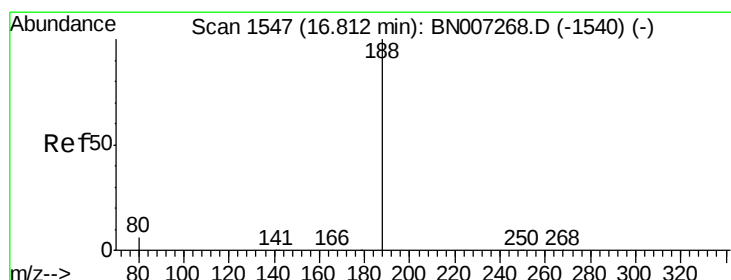
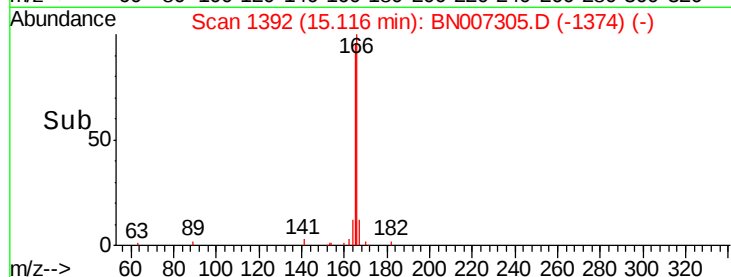
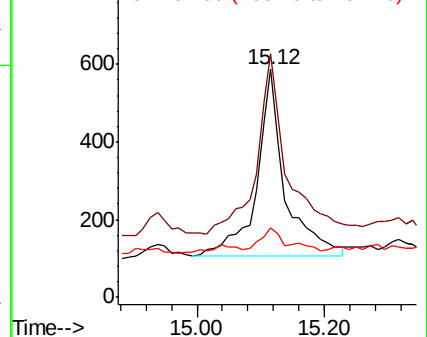
166 100

165 103.8 78.3 117.5

167 12.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

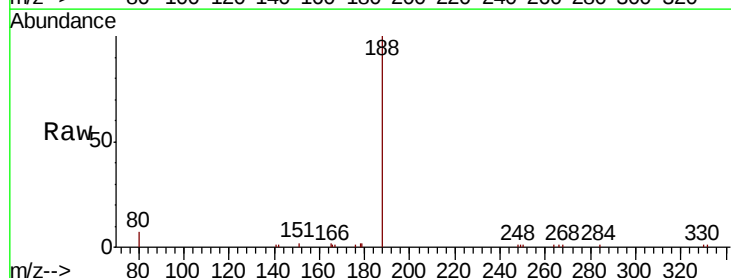
Tgt Ion:188 Resp: 21674

Ion Ratio Lower Upper

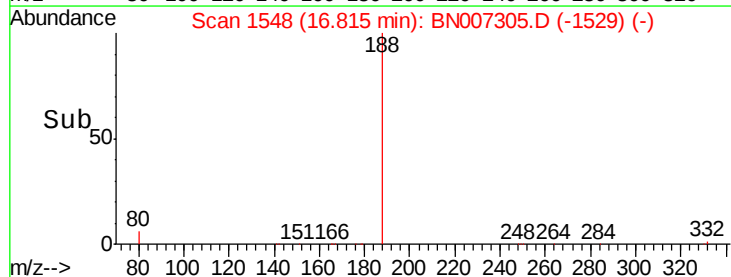
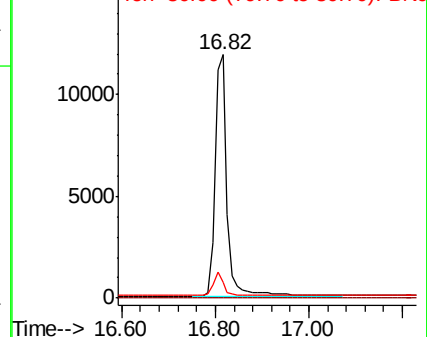
188 100

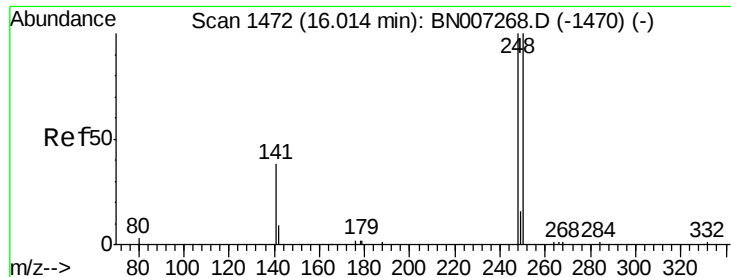
94 0.0 0.0 0.0

80 6.5 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

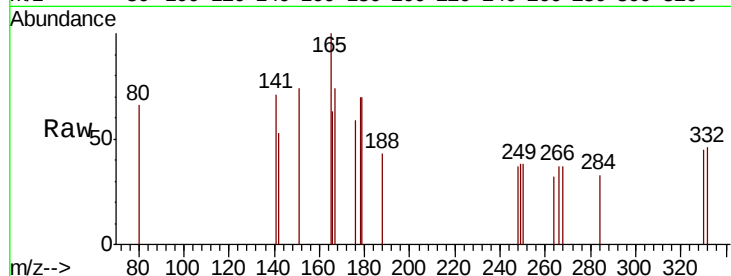




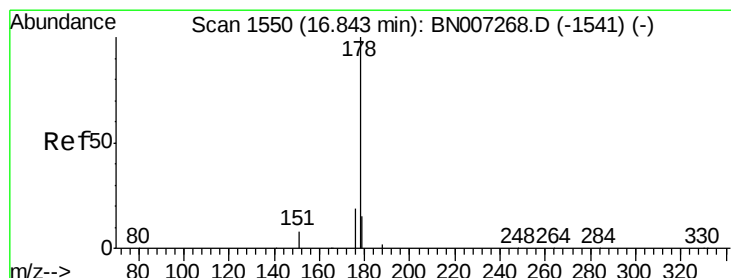
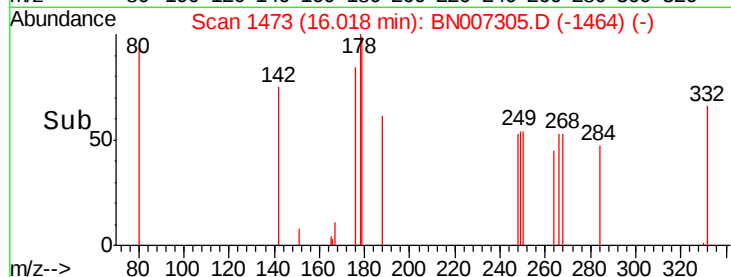
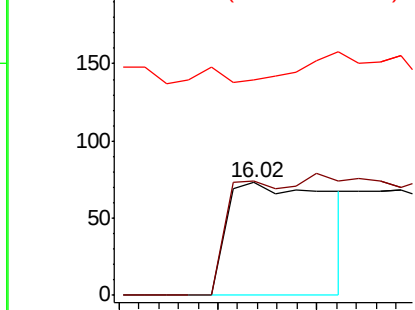
#20
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.02 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 265
Ion Ratio Lower Upper
248 100
250 101.4 79.6 119.4
141 191.8 45.1 67.7#

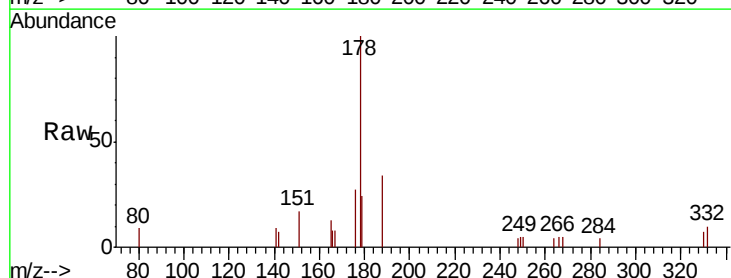


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

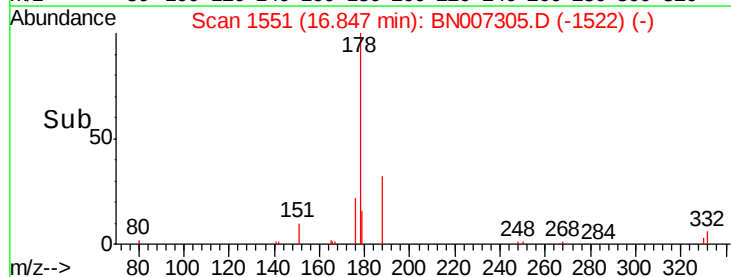
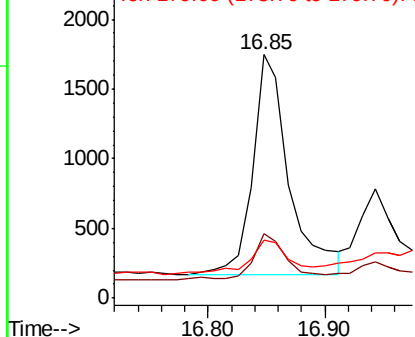


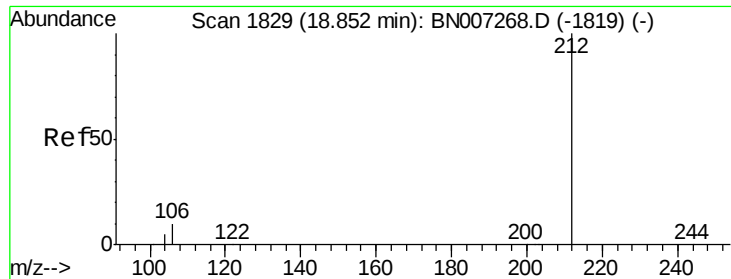
#23
Phenanthrene
Concen: 0.050 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Tgt Ion:178 Resp: 3424
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 17.2 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

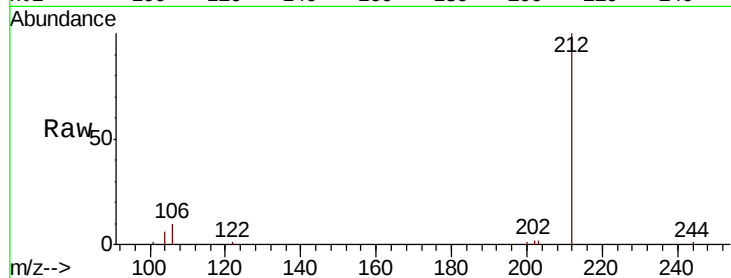




#25
 Fluoranthene-d10
 Concen: 0.353 ng
 RT: 18.85 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BN007305.D
 Acq: 22 Aug 2019 00:11

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.4
104	5.6	4.7	7.1

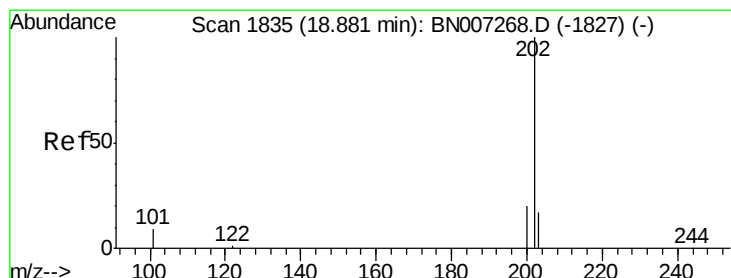
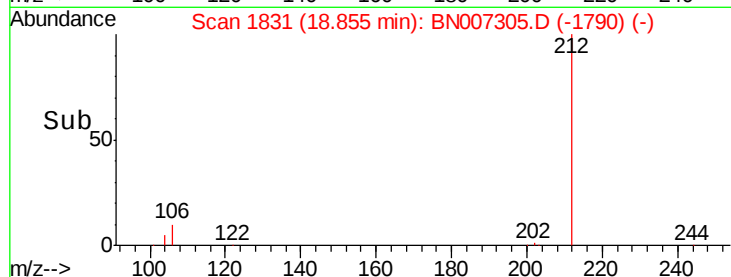
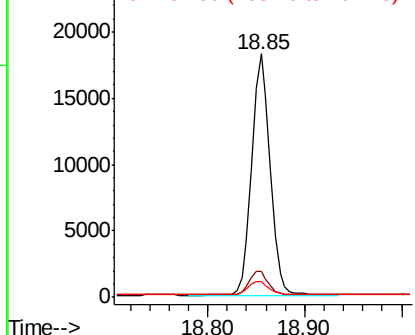


Abundance

Ion 212.00 (211.70 to 212.70): E

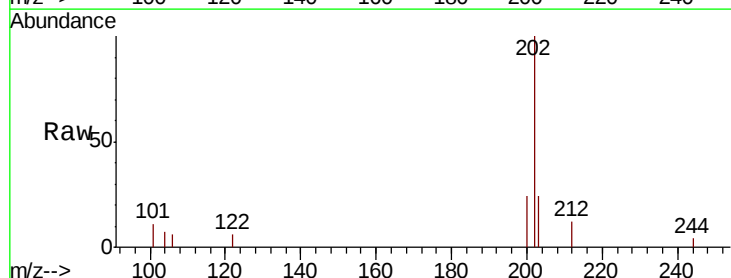
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26
 Fluoranthene
 Concen: 0.073 ng
 RT: 18.88 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BN007305.D
 Acq: 22 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.2	10.8
203	17.2	13.8	20.6

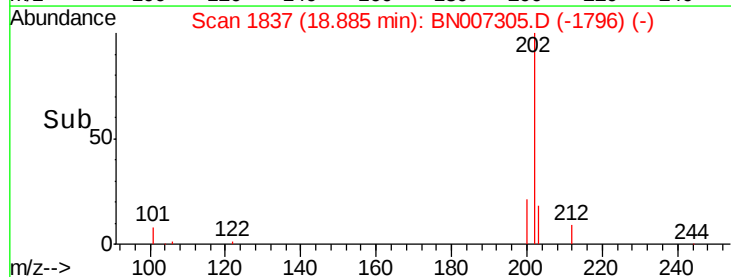
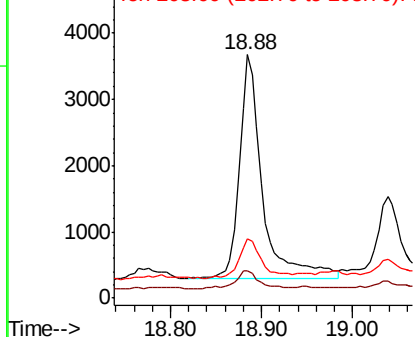


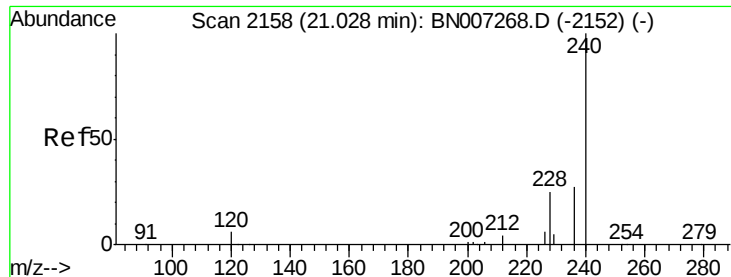
Abundance

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: 21.03 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

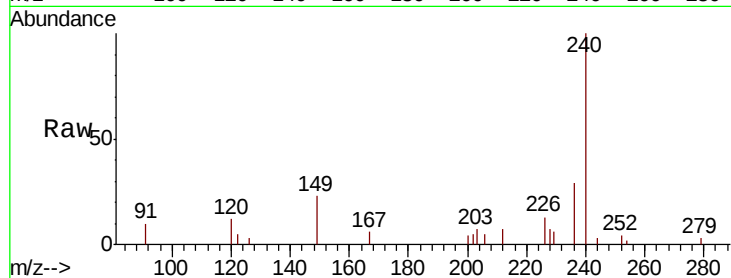
Tot Ion:240 Resp: 25186

Ion Ratio Lower Upper

240 100

120 11.9 5.6 8.4#

236 29.2 21.6 32.4

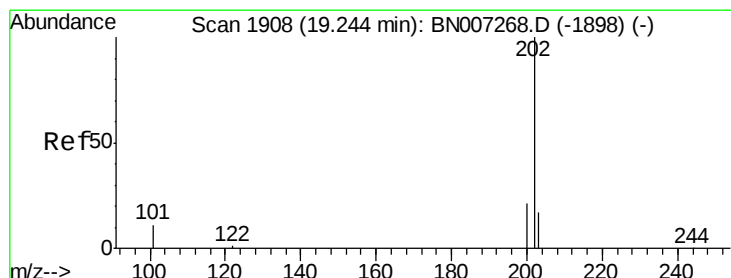
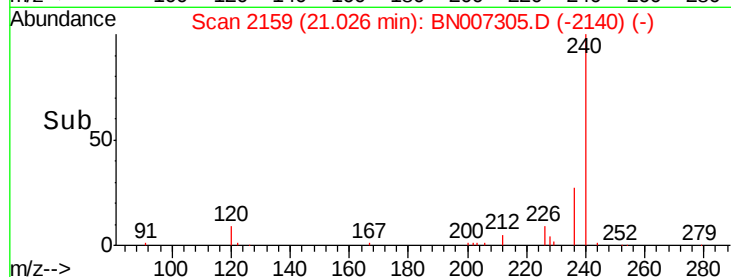
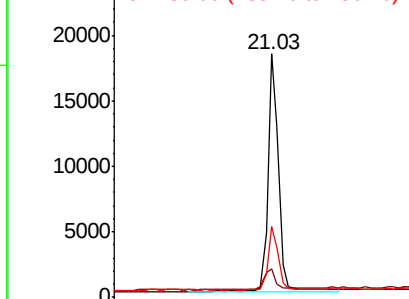


Abundance

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: 0.051 ng

RT: 19.25 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

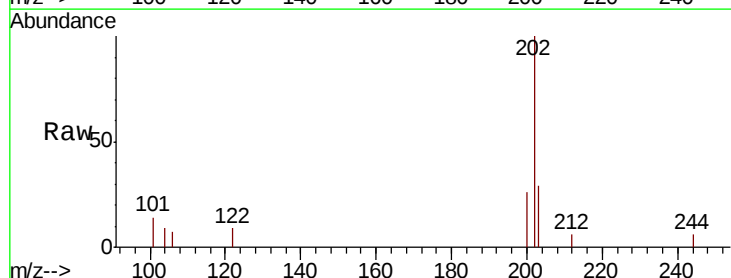
Tgt Ion:202 Resp: 4846

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 23.4 13.9 20.9#

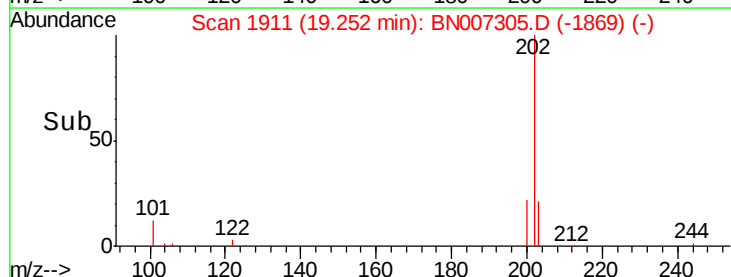
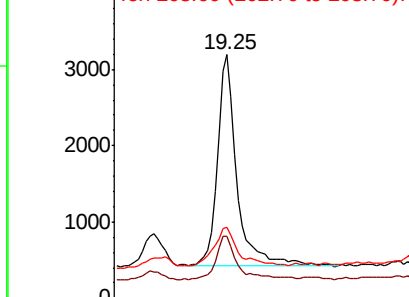


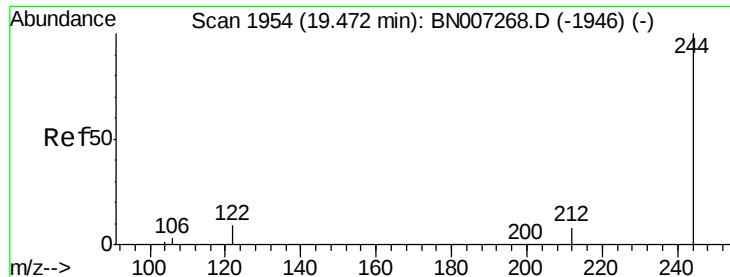
Abundance

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: 0.298 ng

RT: 19.48 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

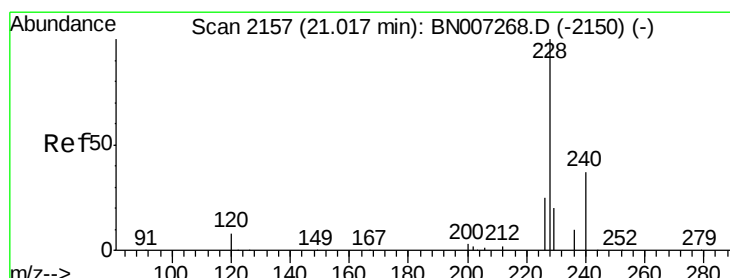
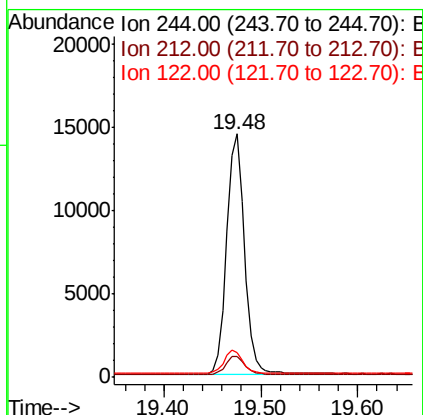
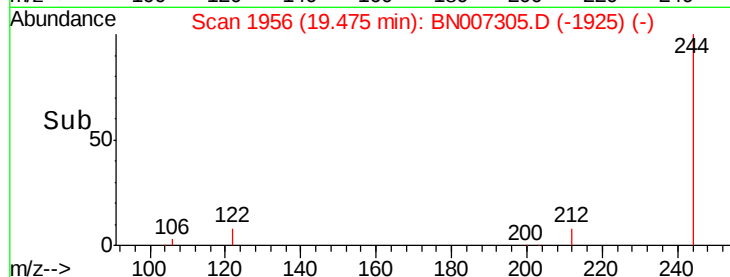
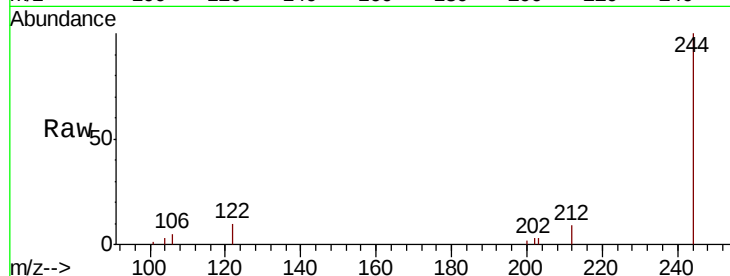
Tot Ion:244 Resp: 18782

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

122 10.2 7.9 11.9



#30

Benzo(a)anthracene

Concen: 0.029 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

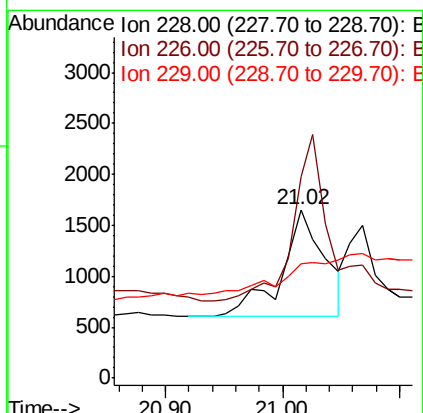
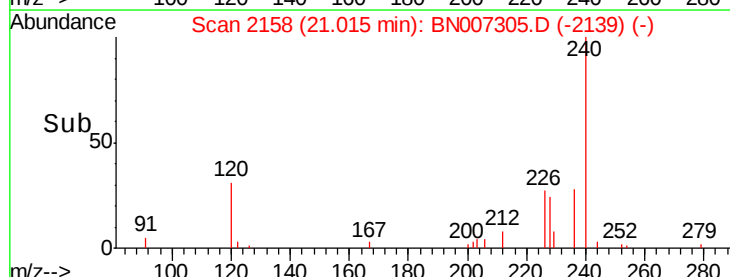
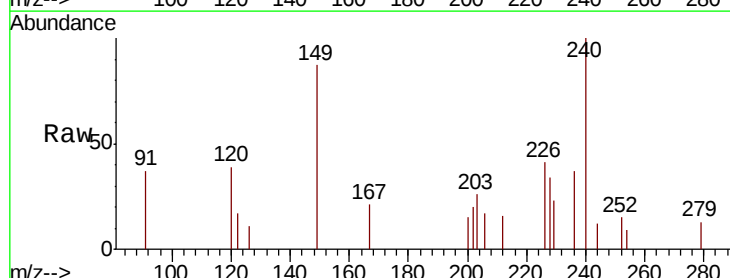
Tgt Ion:228 Resp: 2727

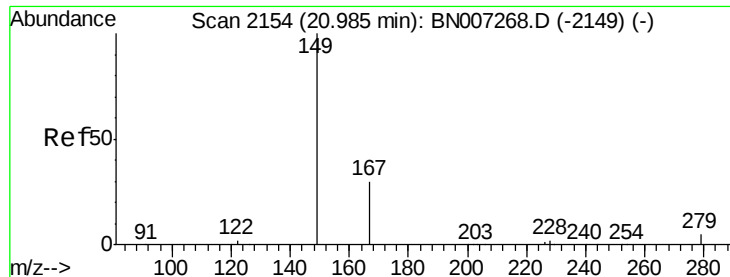
Ion Ratio Lower Upper

228 100

226 119.8 20.6 30.8#

229 67.9 16.9 25.3#

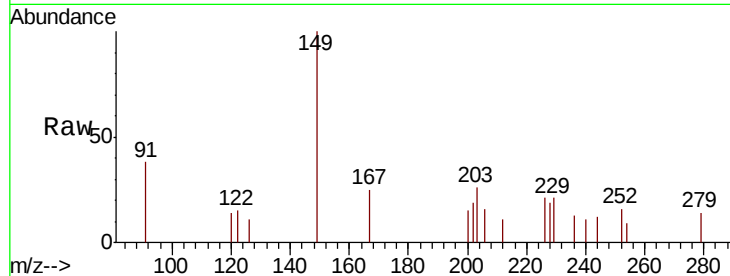




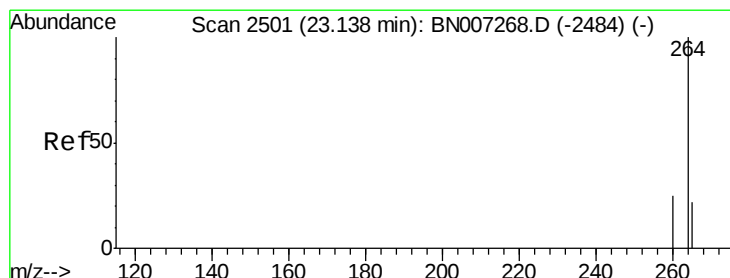
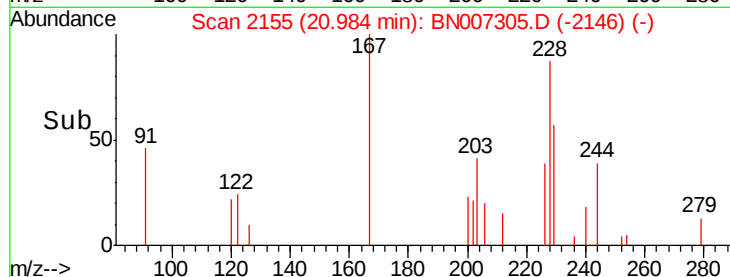
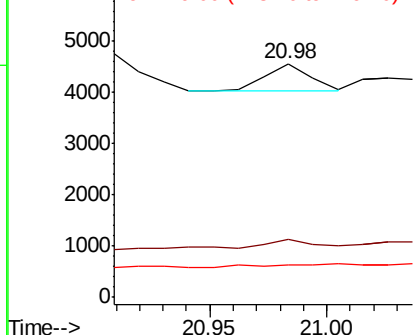
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.020 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:149 Resp: 767
Ion Ratio Lower Upper
149 100
167 58.5 23.8 35.6#
279 0.0 3.8 5.8#

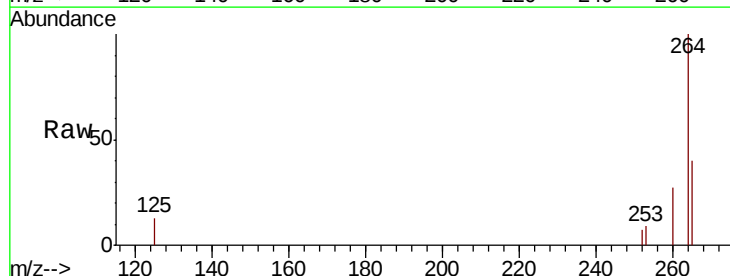


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

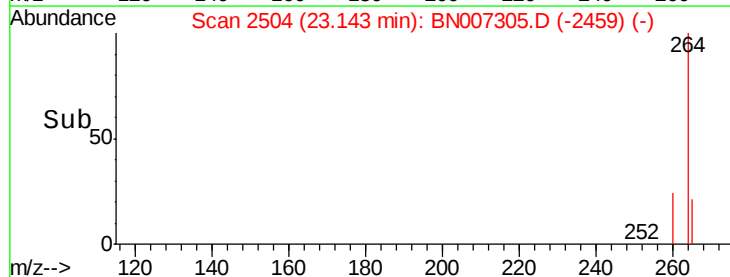
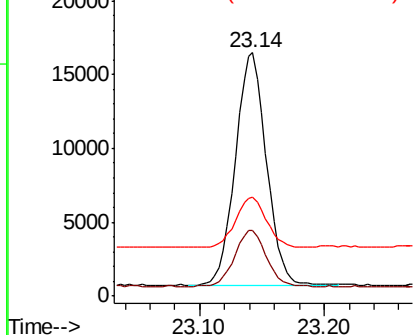


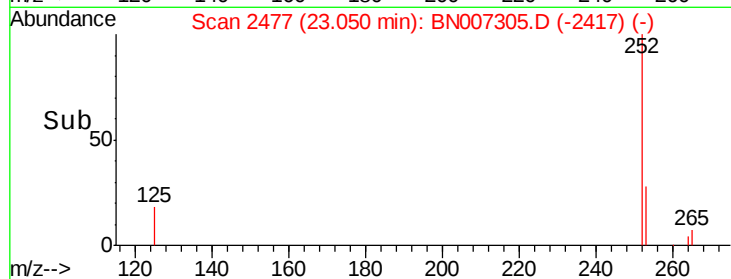
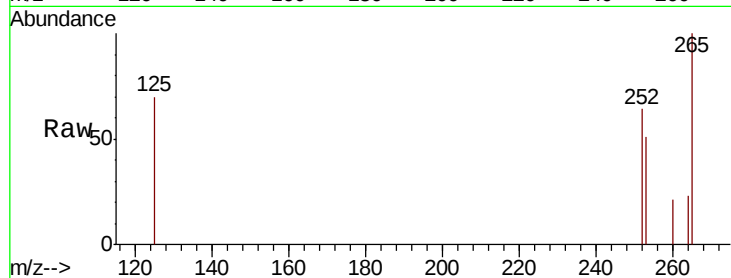
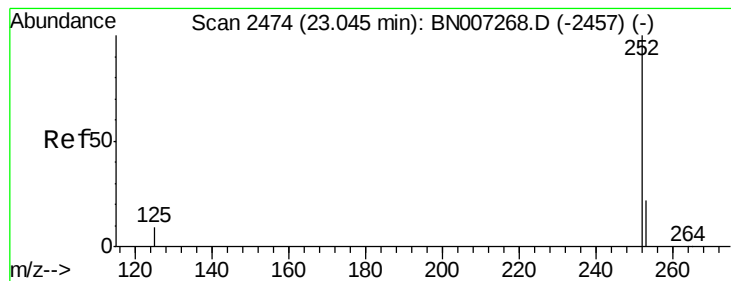
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BN007305.D
Acq: 22 Aug 2019 00:11

Tgt Ion:264 Resp: 27124
Ion Ratio Lower Upper
264 100
260 27.2 20.1 30.1
265 40.4 29.0 43.6



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





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BN007305.D

Acq: 22 Aug 2019 00:11

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 252 Resp: 2323

Ion Ratio Lower Upper

252 100

253 78.6 18.7 28.1#

125 108.7 8.7 13.1#

