

Data File : BN007387.D
Acq On : 25 Aug 2019 06:42
Operator : HP/JU
Sample : K4495-13 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Quant Time: Aug 26 04:31:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	8546	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	34901	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	17928	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	37690	0.40	ng	0.00
27) Chrysene-d12	21.02	240	38453	0.40	ng	0.00
34) Perylene-d12	23.12	264	42575	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	548	-0.01	ng	0.00
5) Phenol-d6	6.59	99	722	-0.01	ng	0.00
8) Nitrobenzene-d5	8.53	82	580	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1043	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	217	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1206	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	1770	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	1300	0.01	ng	0.00

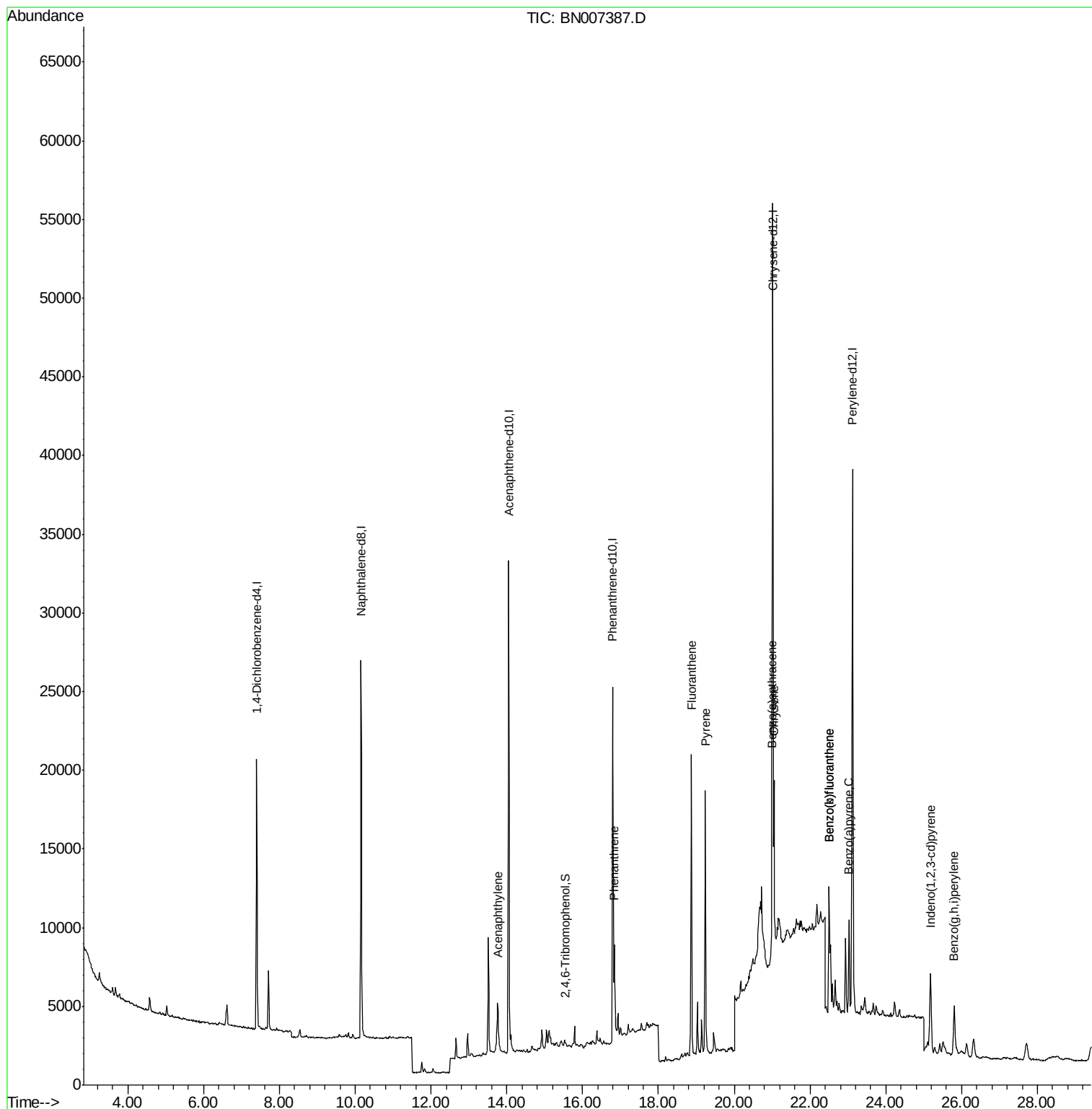
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	13.76	152	8101	0.076	ng	98
23) Phenanthrene	16.84	178	5741	0.051	ng	97
26) Fluoranthene	18.87	202	18439	0.127	ng	100
28) Pyrene	19.24	202	16151	0.104	ng	# 95
30) Benzo(a)anthracene	20.99	228	7901	0.052	ng	# 71
31) Chrysene	21.05	228	9656	0.066	ng	# 88
33) Indeno(1,2,3-cd)pyrene	25.18	276	6276	0.036	ng	# 80
35) Benzo(b)fluoranthene	22.50	252	12945	0.084	ng	# 85
36) Benzo(k)fluoranthene	22.50	252	12945	0.085	ng	# 89
37) Benzo(a)pyrene	23.03	252	8091	0.055	ng	# 81
39) Benzo(g,h,i)perylene	25.80	276	6569	0.045	ng	# 84

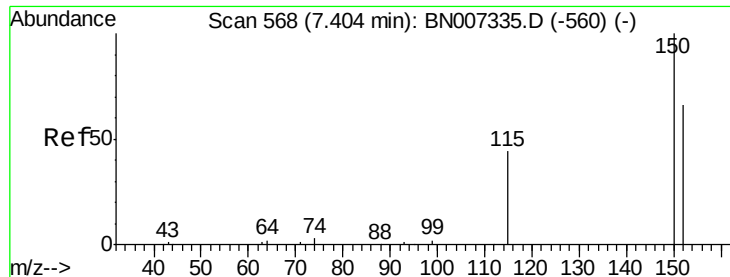
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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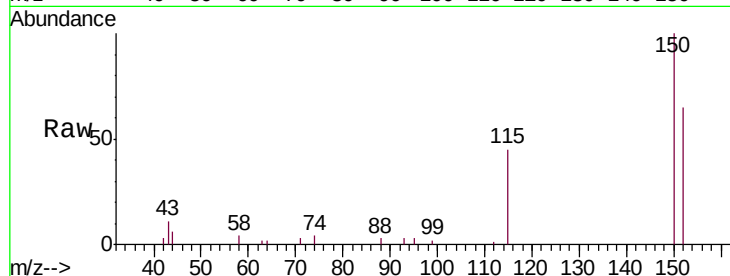


#1

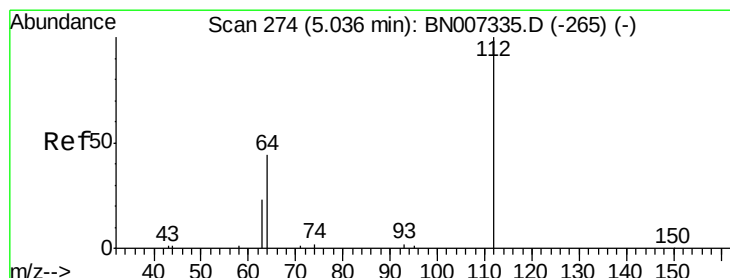
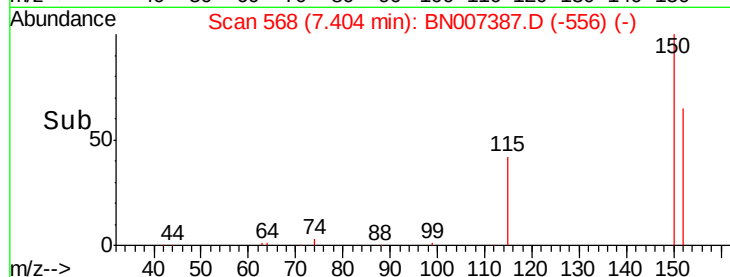
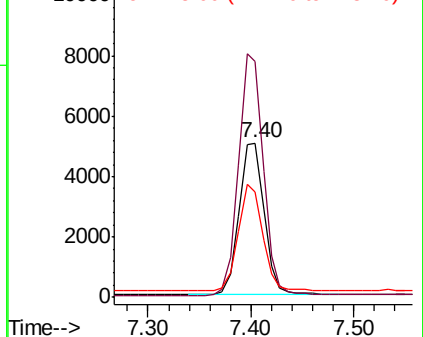
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Instrument :
BNA_N
ClientSampleId :
S705-N-0.0-0.5-082219

Tgt Ion:152 Resp: 8546
Ion Ratio Lower Upper
152 100
150 153.4 109.1 163.7
115 68.5 59.6 89.4



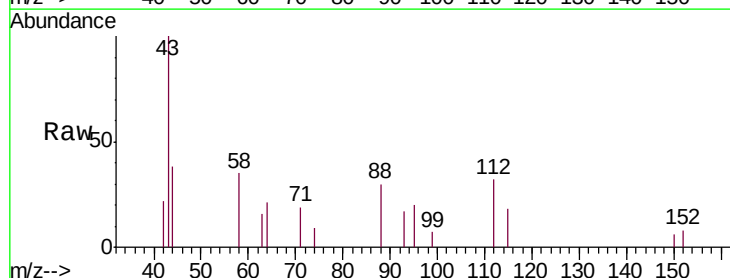
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



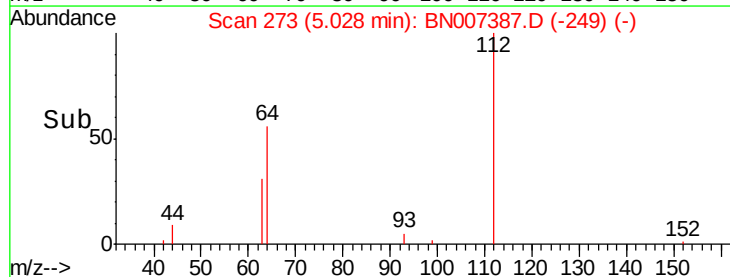
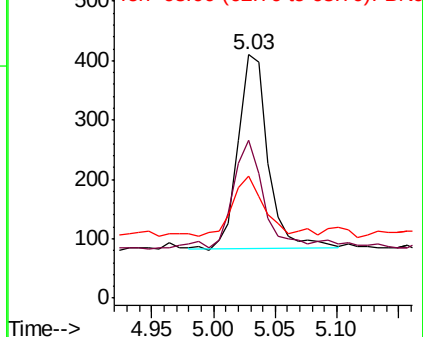
#4

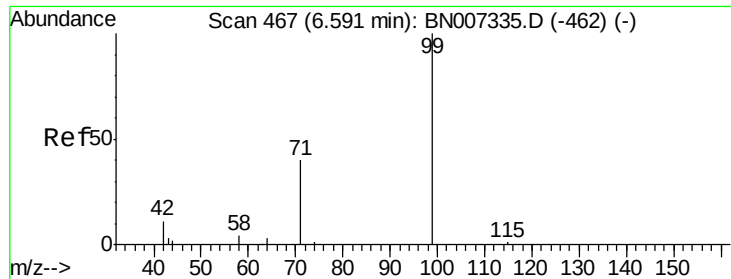
2-Fluorophenol
Concen: -0.010 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion:112 Resp: 548
Ion Ratio Lower Upper
112 100
64 60.2 42.3 63.5
63 32.8 23.6 35.4



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: -0.012 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

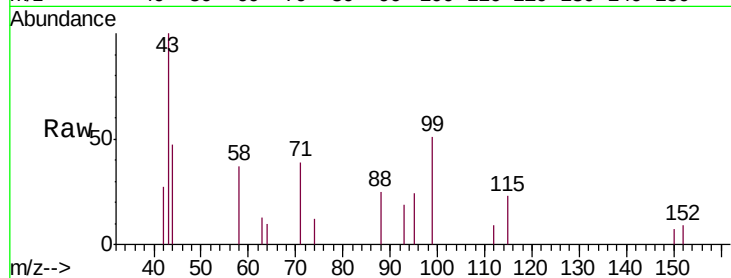
Tgt Ion: 99 Resp: 722

Ion Ratio Lower Upper

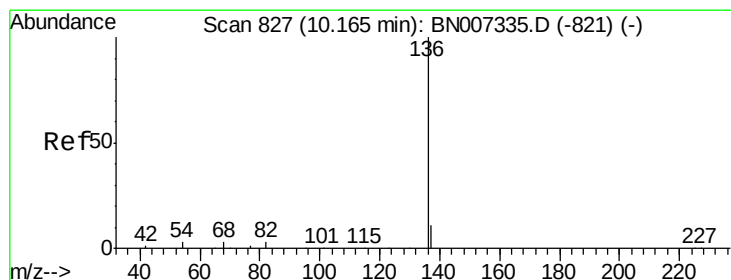
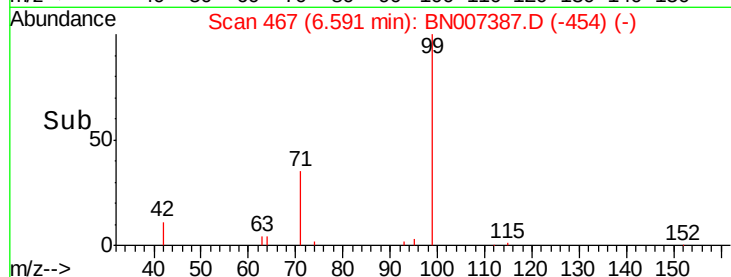
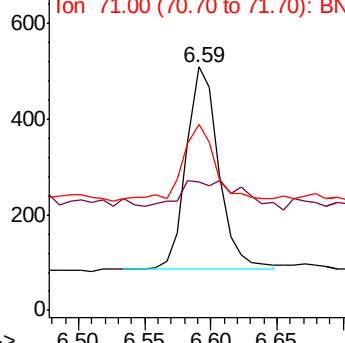
99 100

42 28.3 11.2 16.8#

71 38.6 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Tgt Ion: 136 Resp: 34901

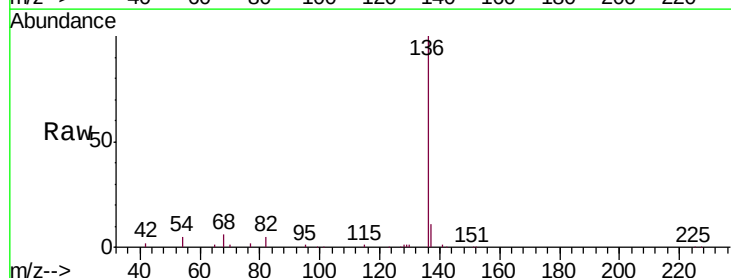
Ion Ratio Lower Upper

136 100

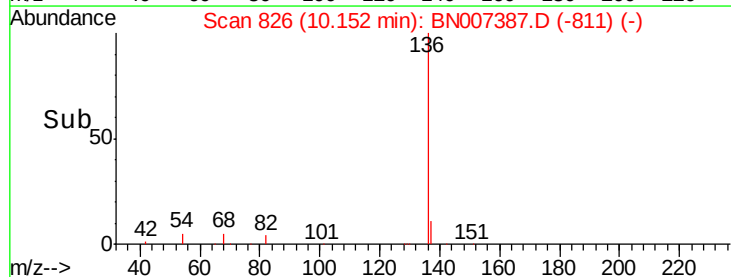
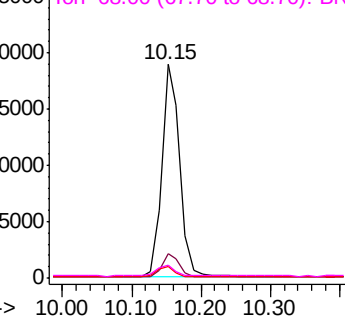
137 11.1 12.9 19.3#

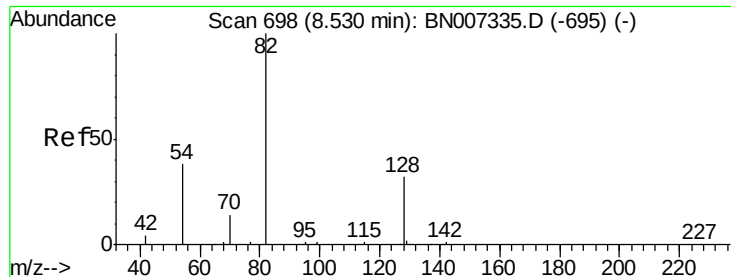
54 5.2 8.6 12.8#

68 6.3 17.0 25.4#



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): BN0
Ion 68.00 (67.70 to 68.70): BN0





#8

Nitrobenzene-d5

Concen: 0.019 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

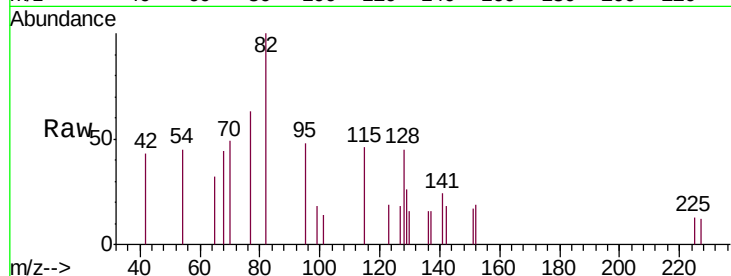
Tgt Ion: 82 Resp: 580

Ion Ratio Lower Upper

82 100

128 45.0 19.7 29.5#

54 45.3 25.8 38.6#

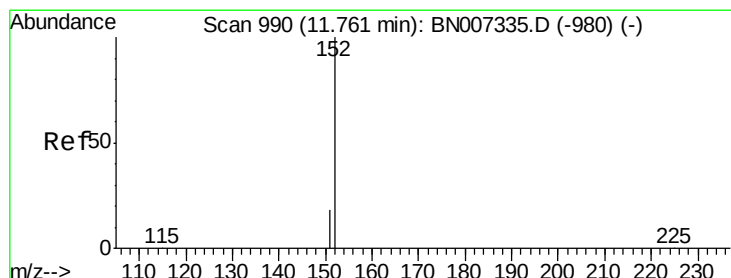
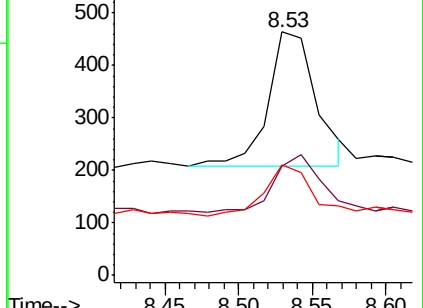
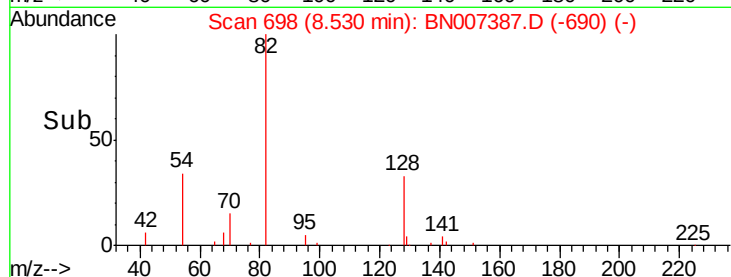


Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.018 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

Lab File: BN007387.D

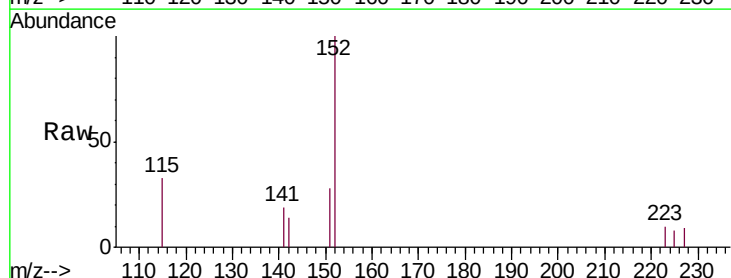
Acq: 25 Aug 2019 06:42

Tgt Ion: 152 Resp: 1043

Ion Ratio Lower Upper

152 100

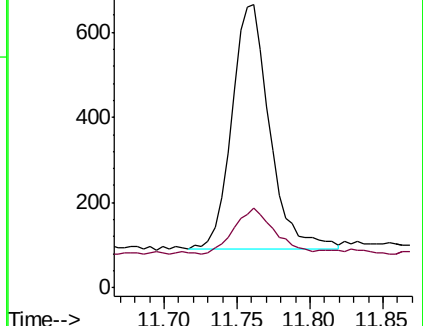
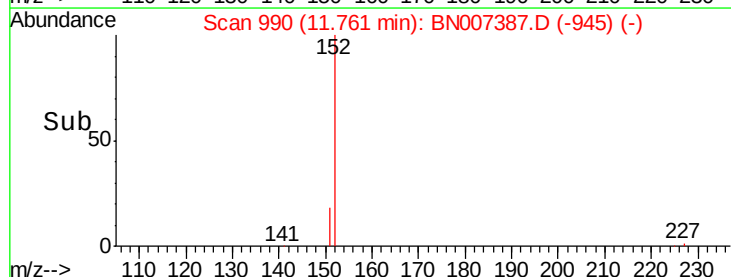
151 20.4 16.2 24.2

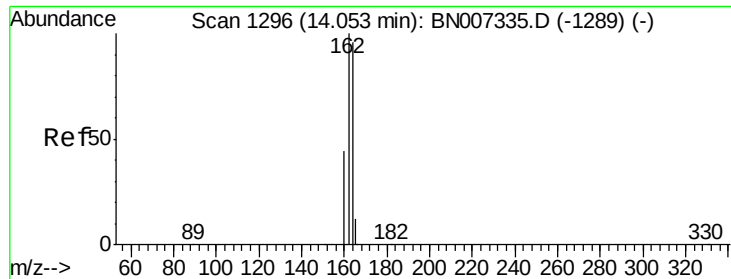


Abundance Ion 152.00 (151.70 to 152.70): BN007335.D (-980) (-)

Ion 151.00 (150.70 to 151.70): BN007335.D (-980) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

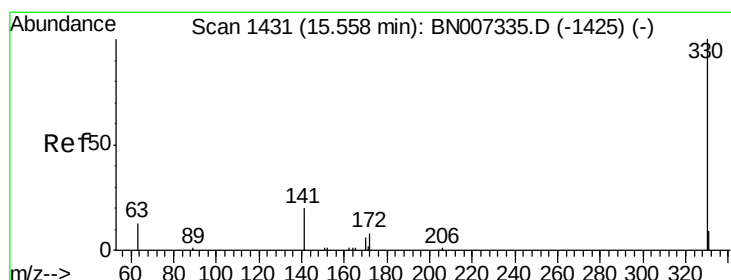
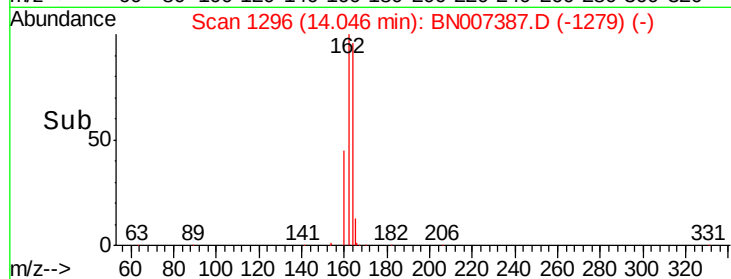
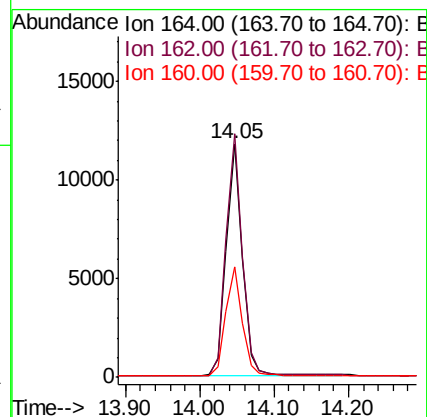
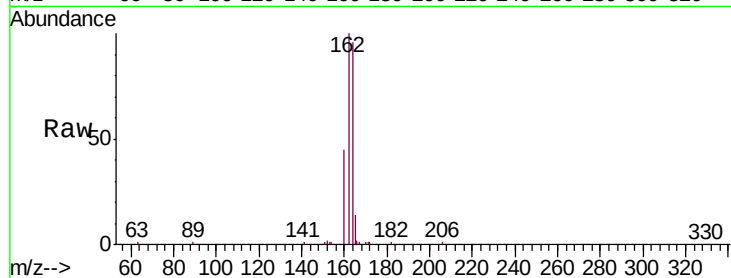
Tgt Ion:164 Resp: 17928

Ion Ratio Lower Upper

164 100

162 104.3 83.5 125.3

160 47.1 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.023 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

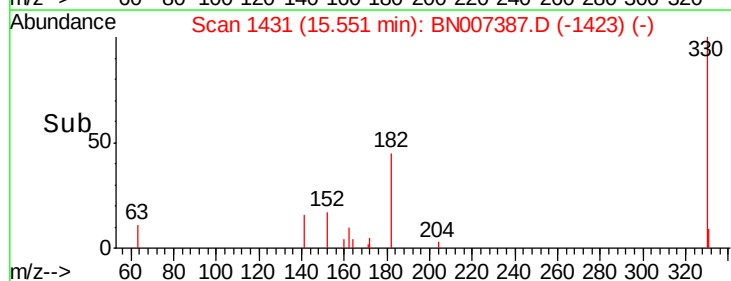
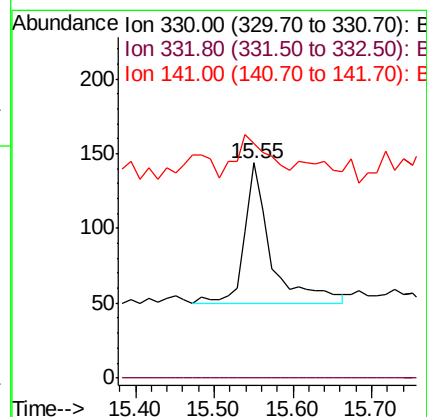
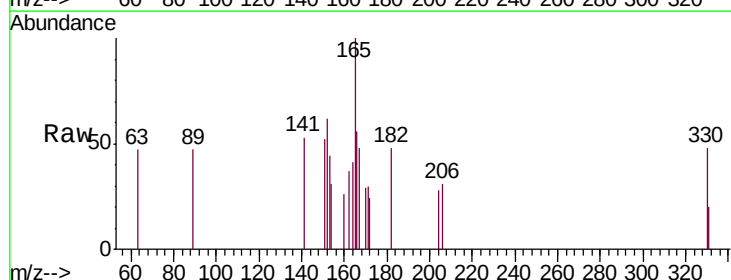
Tgt Ion:330 Resp: 217

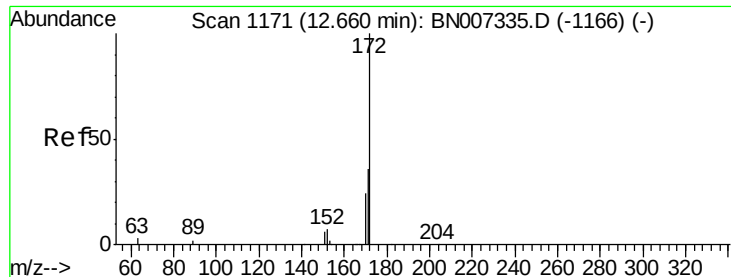
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.7 26.9 40.3

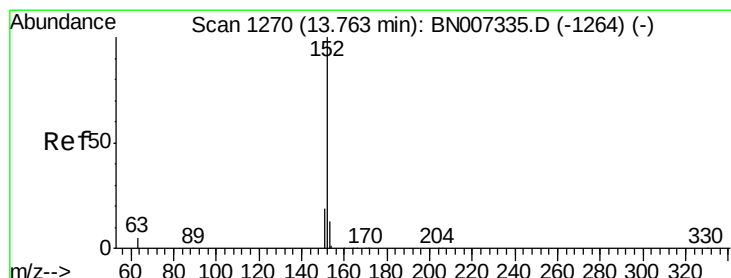
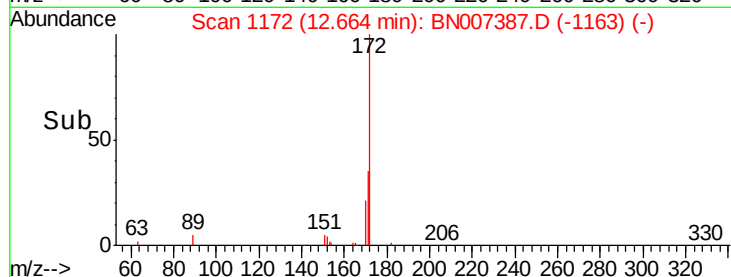
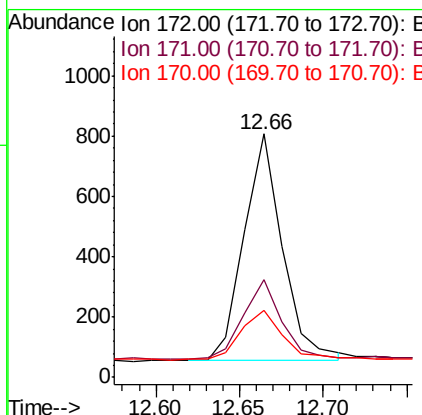
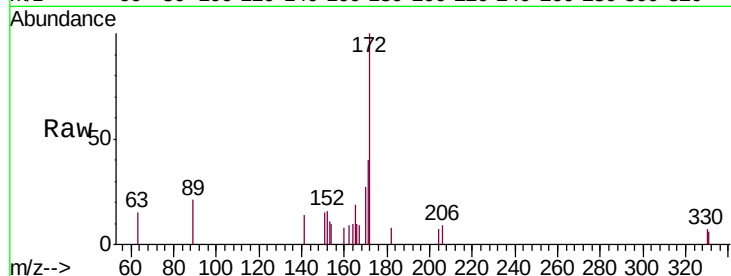




#15
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

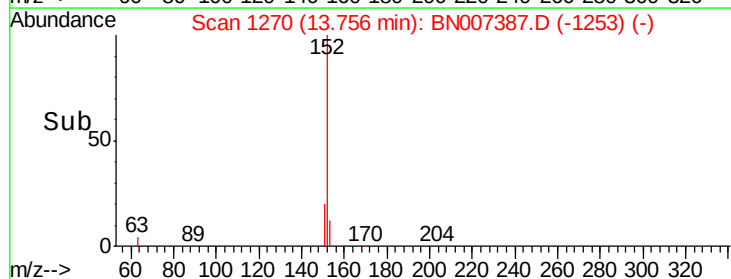
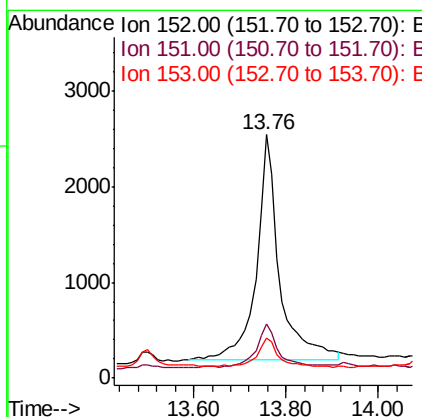
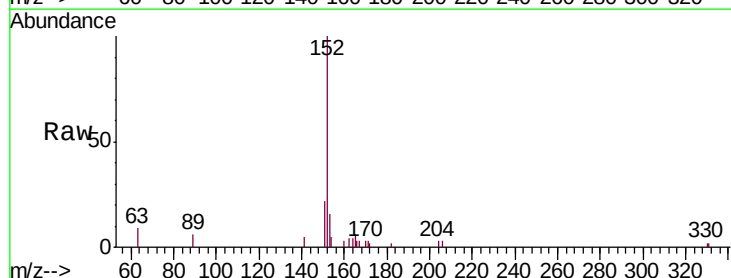
Instrument :
BNA_N
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S705-N-0.0-0.5-082219

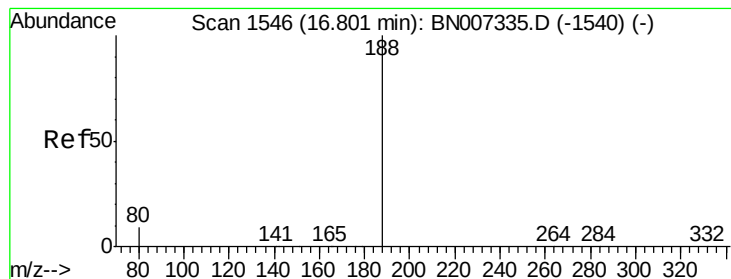
Tgt Ion:172 Resp: 1206
Ion Ratio Lower Upper
172 100
171 40.1 30.3 45.5
170 27.4 20.7 31.1



#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007387.D
Acq: 25 Aug 2019 06:42

Tgt Ion:152 Resp: 8101
Ion Ratio Lower Upper
152 100
151 20.5 16.1 24.1
153 11.5 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

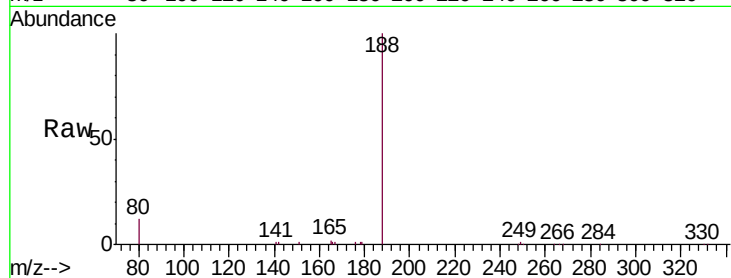
Tgt Ion:188 Resp: 37690

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

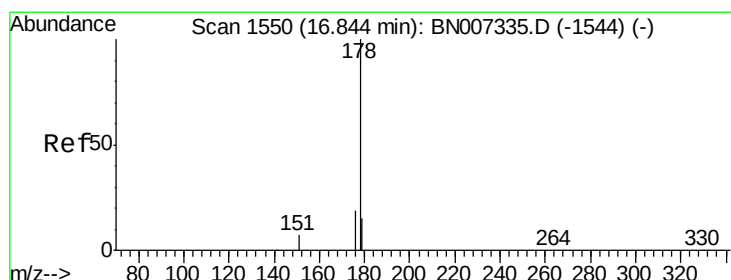
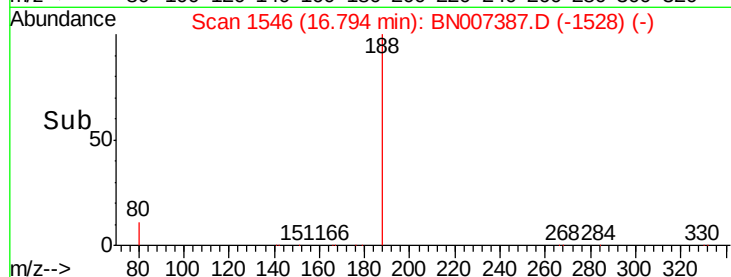
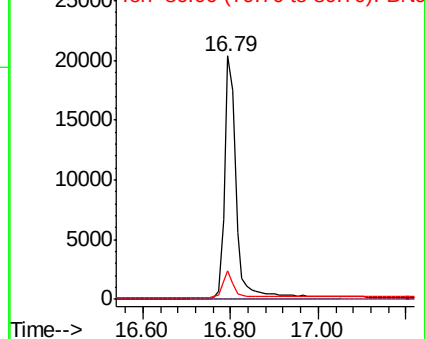
80 11.6 11.8 17.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 0.051 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

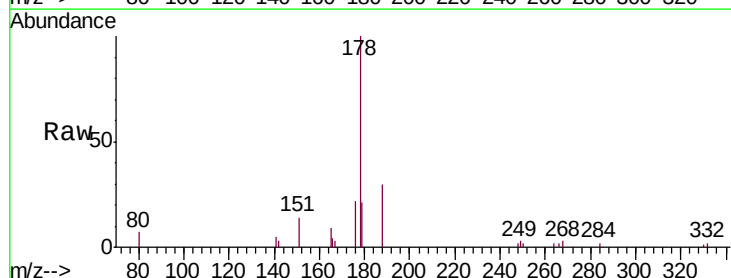
Tgt Ion:178 Resp: 5741

Ion Ratio Lower Upper

178 100

176 20.8 15.3 22.9

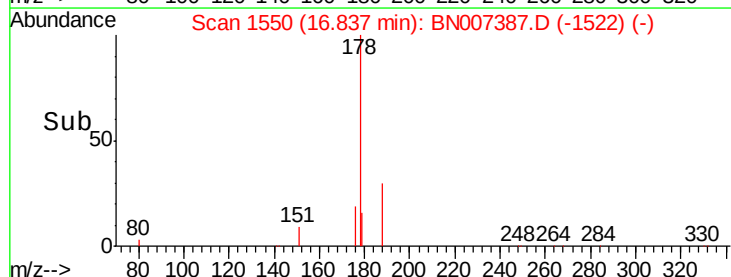
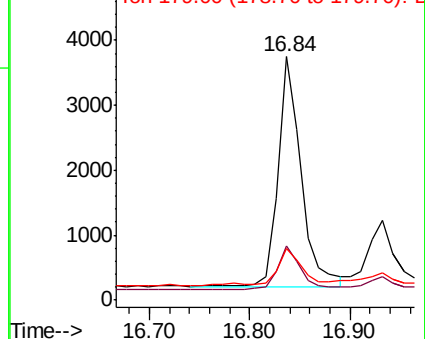
179 15.1 12.6 19.0

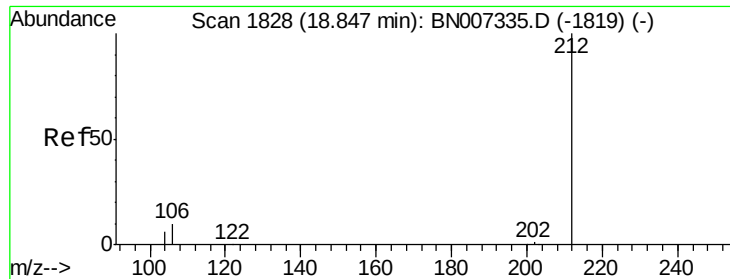


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

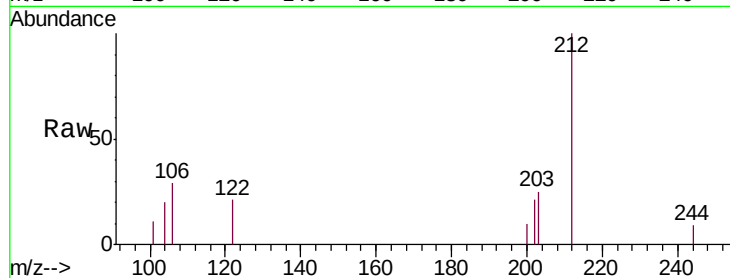




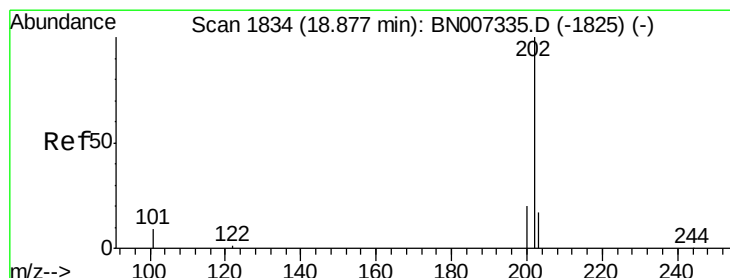
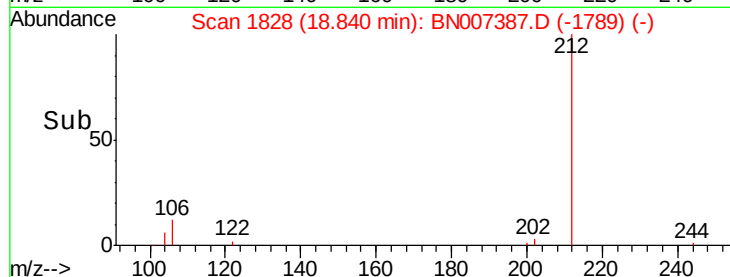
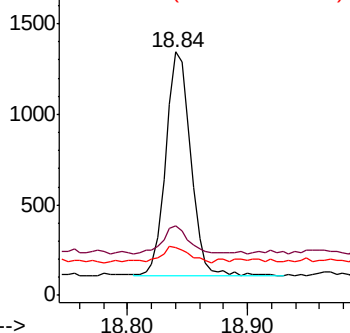
#25
 Fluoranthene-d10
 Concen: 0.015 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Instrument :
 BNA_N
 ClientSampleId :
 S705-N-0.0-0.5-082219

Tgt Ion:212 Resp: 1770
 Ion Ratio Lower Upper
 212 100
 106 12.7 9.0 13.4
 104 8.0 5.4 8.2

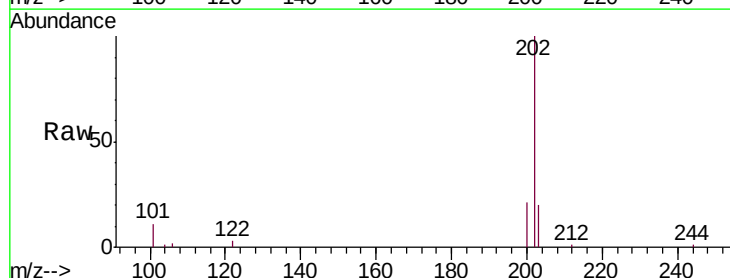


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

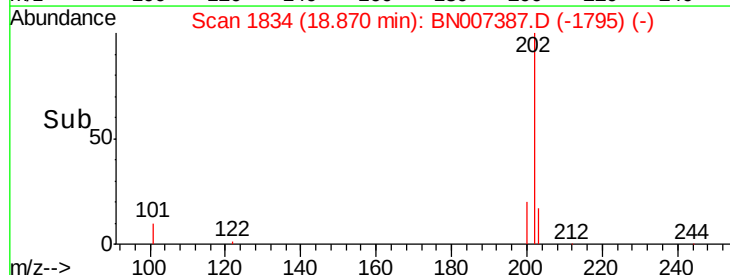
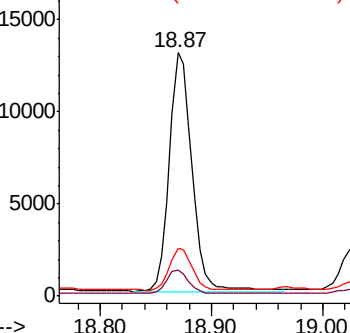


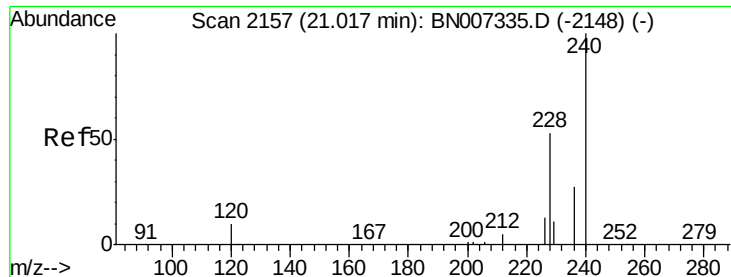
#26
 Fluoranthene
 Concen: 0.127 ng
 RT: 18.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Tgt Ion:202 Resp: 18439
 Ion Ratio Lower Upper
 202 100
 101 9.6 7.7 11.5
 203 17.0 13.7 20.5



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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

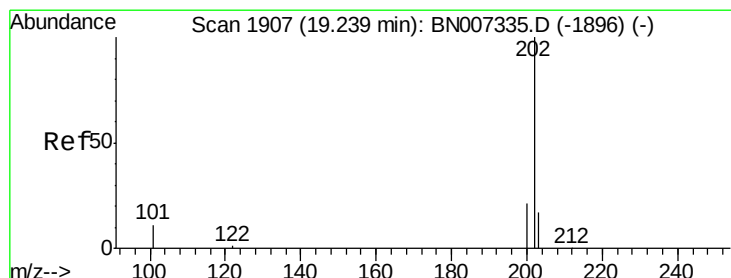
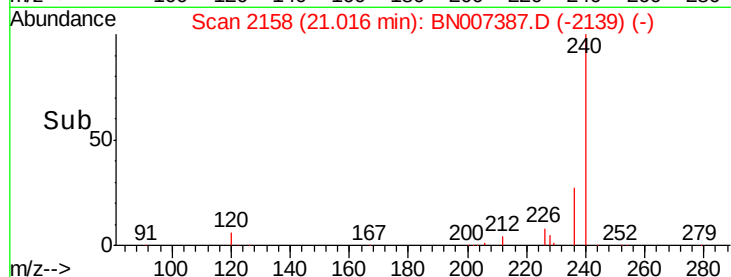
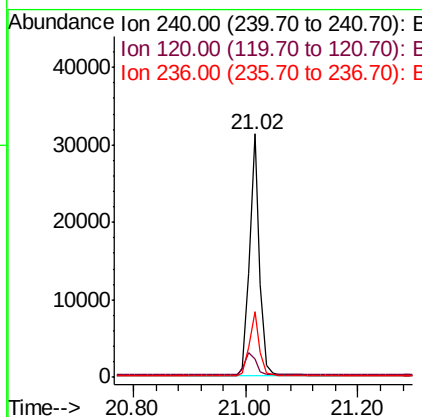
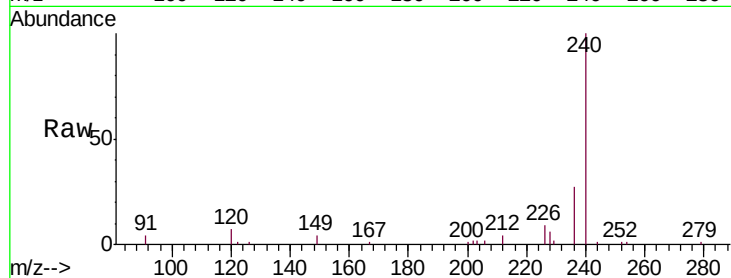
BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

Tgt Ion:240 Resp: 38453

Ion	Ratio	Lower	Upper
240	100		
120	7.3	9.6	14.4#
236	27.1	22.2	33.2



#28

Pyrene

Concen: 0.104 ng

RT: 19.24 min Scan# 1908

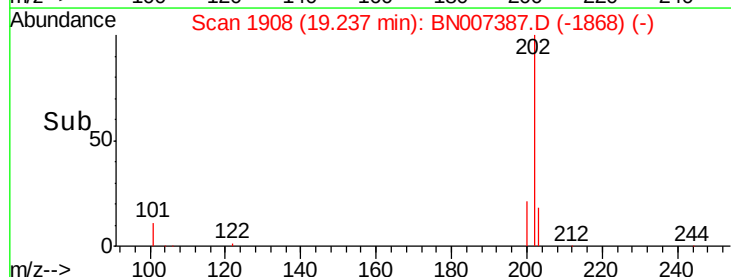
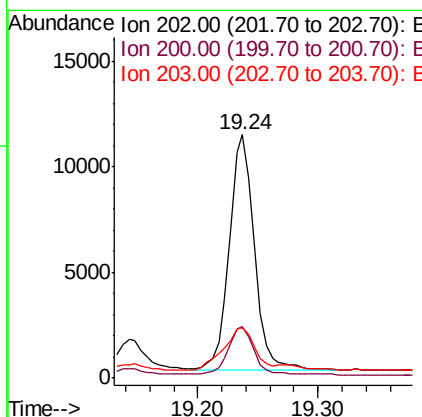
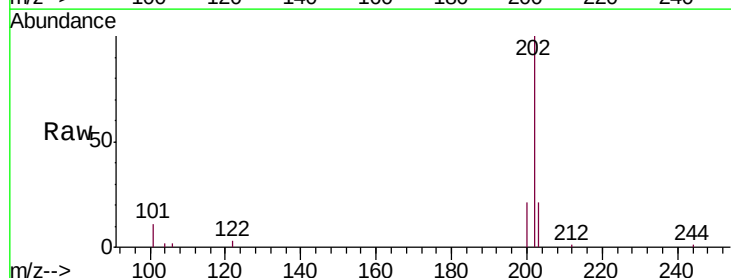
Delta R.T. -0.00 min

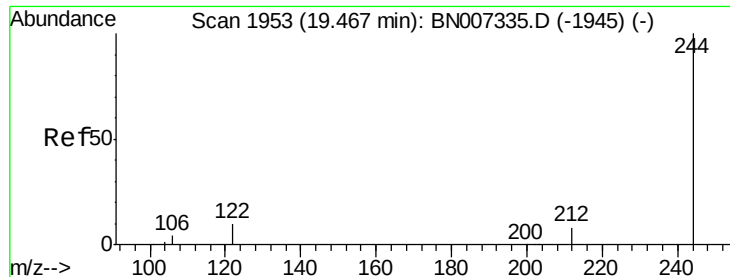
Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Tgt Ion:202 Resp: 16151

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	22.3	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.013 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

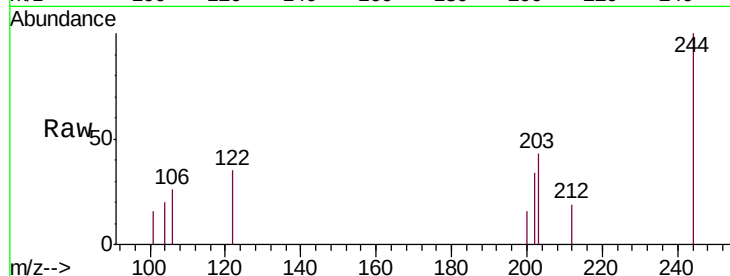
Tgt Ion:244 Resp: 1300

Ion Ratio Lower Upper

244 100

212 18.5 7.0 10.6#

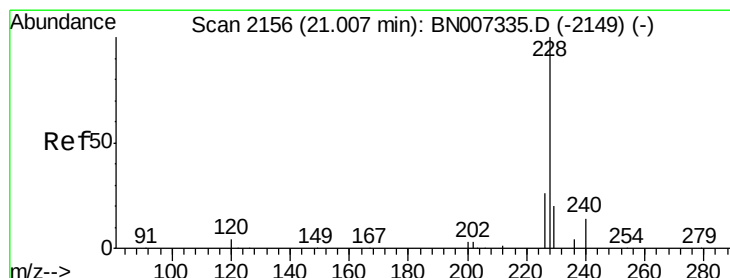
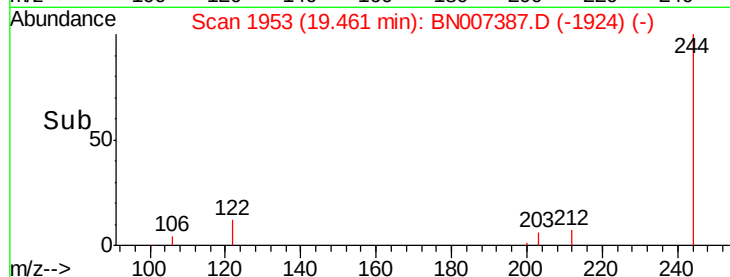
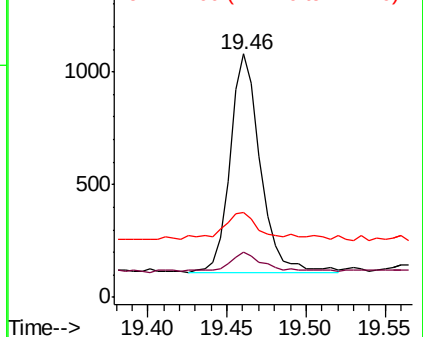
122 34.7 9.6 14.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.052 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

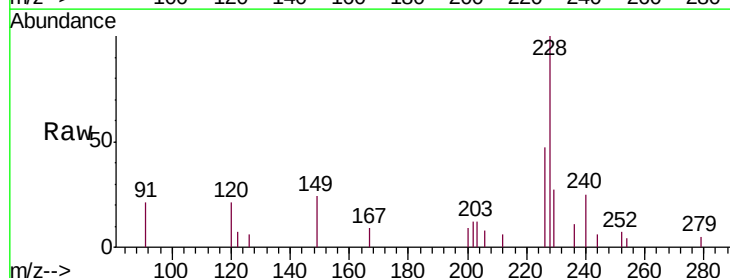
Tgt Ion:228 Resp: 7901

Ion Ratio Lower Upper

228 100

226 46.8 21.3 31.9#

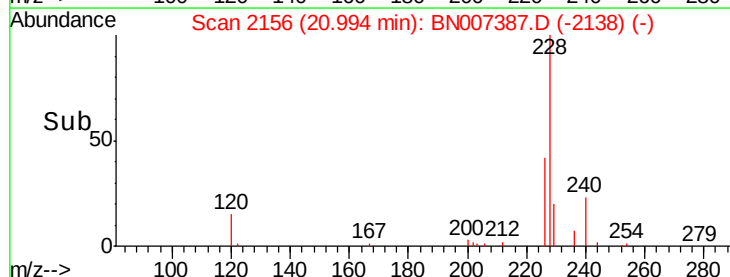
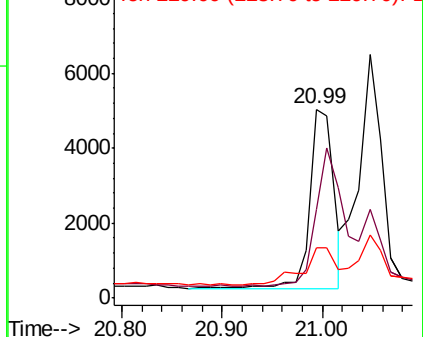
229 26.8 16.1 24.1#

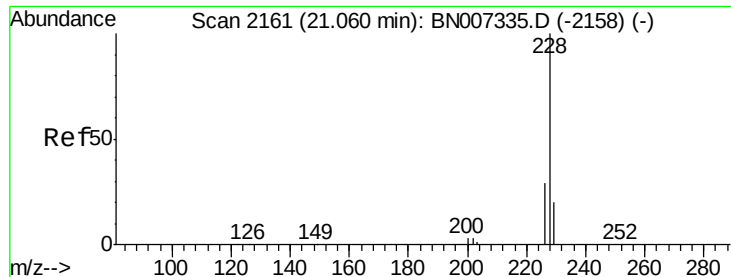


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.066 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

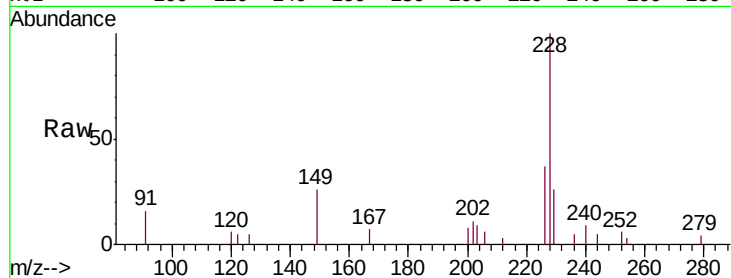
Tgt Ion:228 Resp: 9656

Ion Ratio Lower Upper

228 100

226 36.6 23.5 35.3#

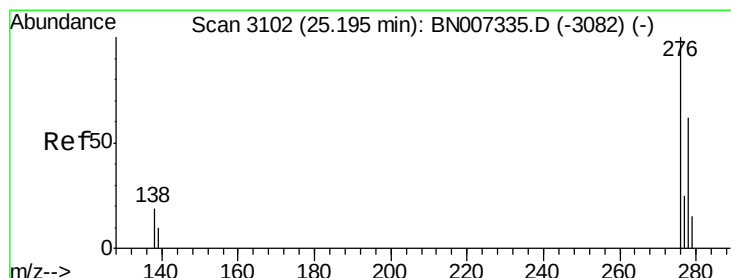
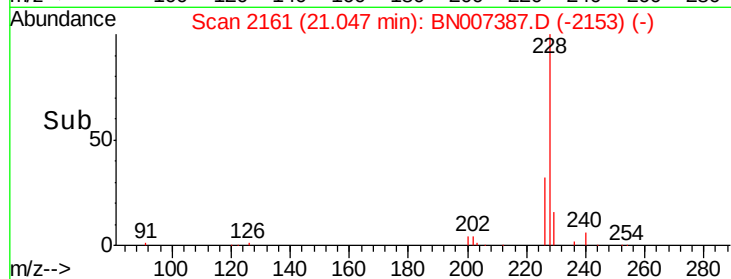
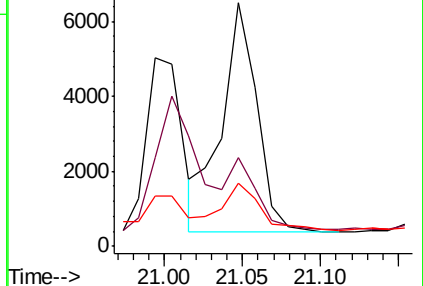
229 25.7 16.6 24.8#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.036 ng

RT: 25.18 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

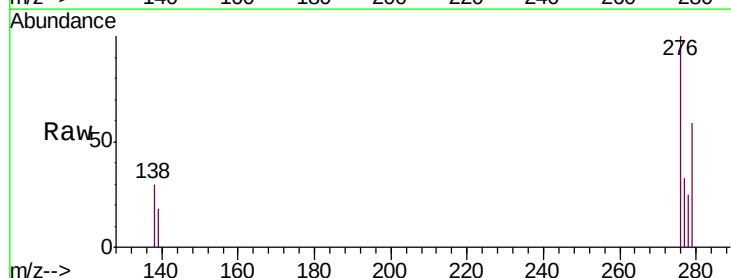
Tgt Ion:276 Resp: 6276

Ion Ratio Lower Upper

276 100

138 0.0 15.1 22.7#

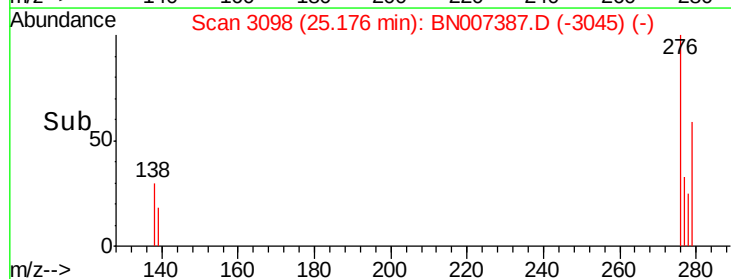
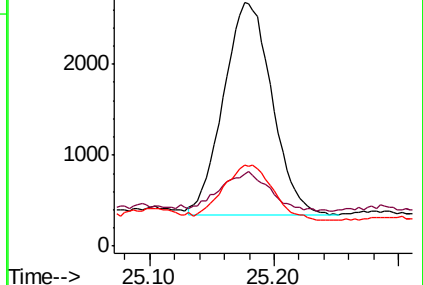
277 26.4 19.7 29.5

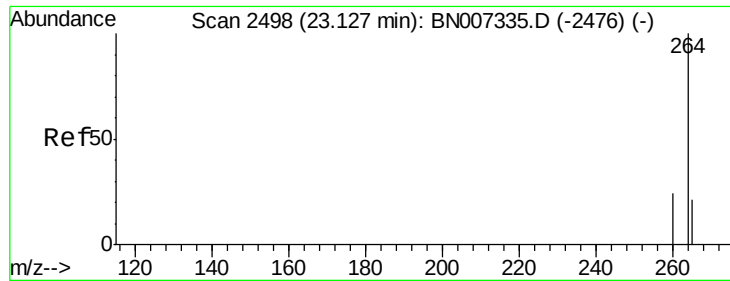


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

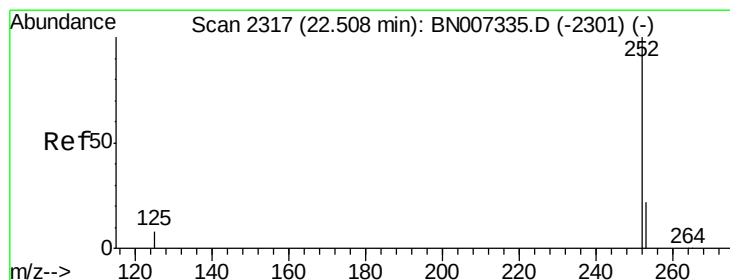
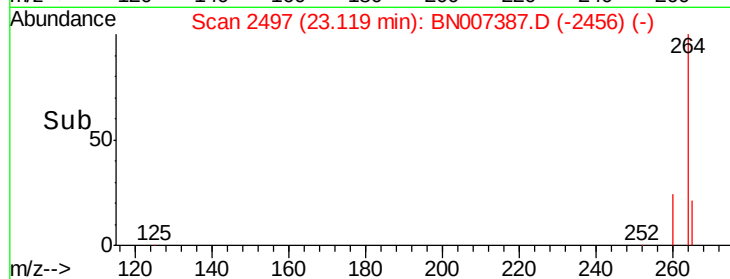
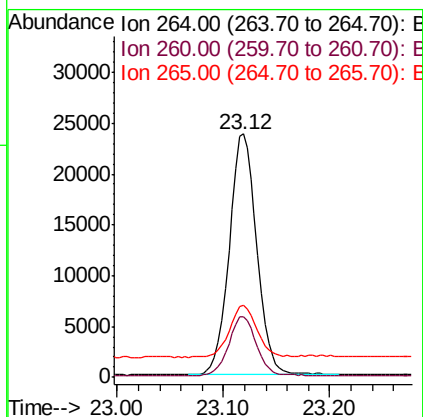
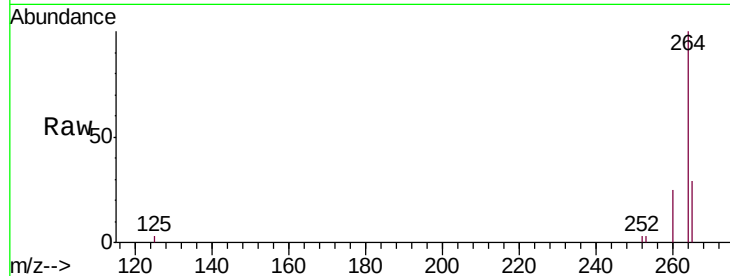




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

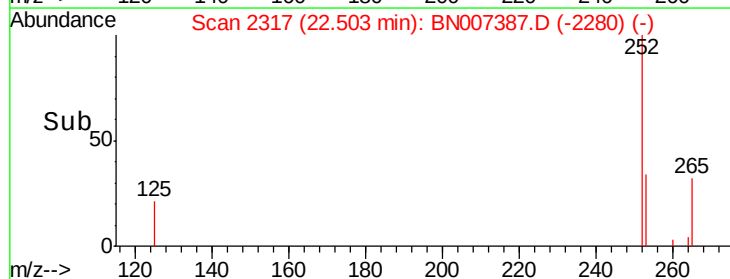
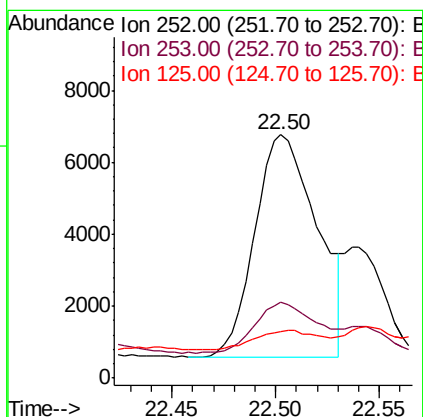
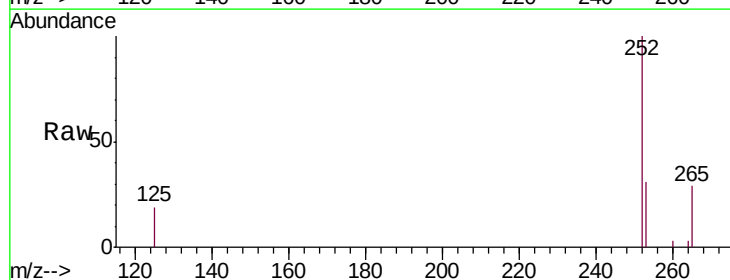
Instrument :
 BNA_N
 ClientSampleId :
 S705-N-0.0-0.5-082219

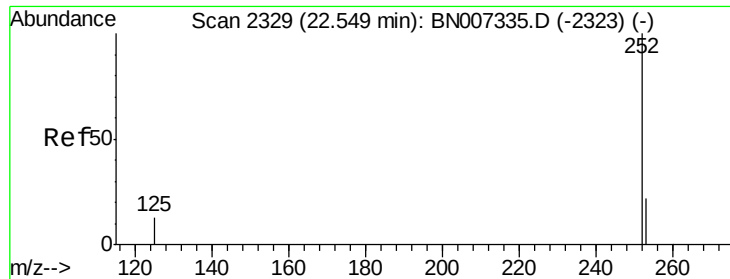
Tgt Ion: 264 Resp: 42575
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 29.4 29.9 44.9#



#35
Benzo(b)fluoranthene
 Concen: 0.084 ng
 RT: 22.50 min Scan# 2317
 Delta R.T. -0.01 min
 Lab File: BN007387.D
 Acq: 25 Aug 2019 06:42

Tgt Ion: 252 Resp: 12945
 Ion Ratio Lower Upper
 252 100
 253 31.2 19.2 28.8#
 125 19.1 10.6 16.0#





#36

Benzo(k)fluoranthene

Concen: 0.085 ng

RT: 22.50 min Scan# 2317

Delta R.T. -0.05 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219

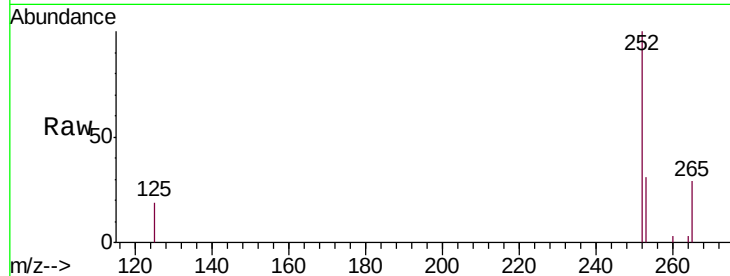
Tgt Ion:252 Resp: 12945

Ion Ratio Lower Upper

252 100

253 31.2 19.4 29.2#

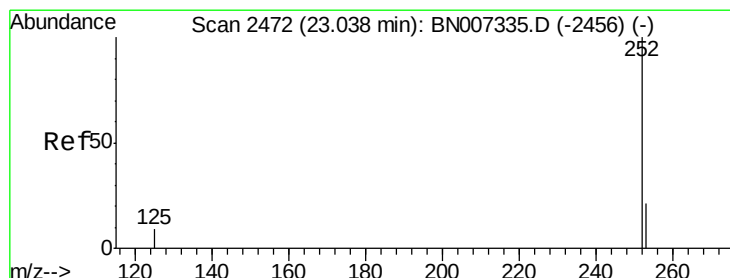
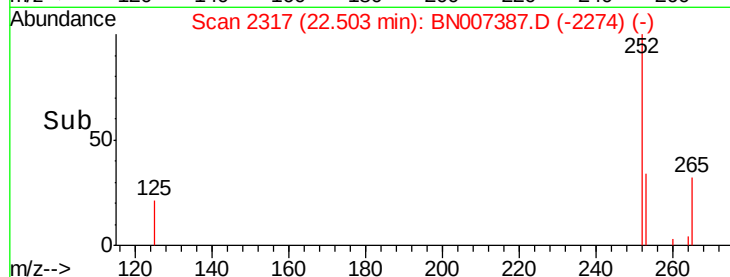
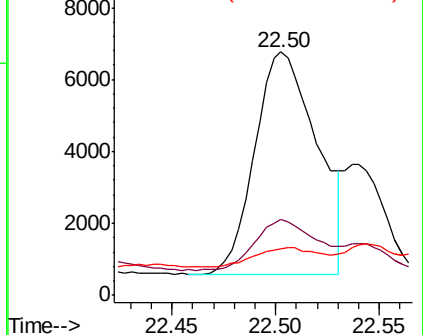
125 19.1 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.055 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007387.D

Acq: 25 Aug 2019 06:42

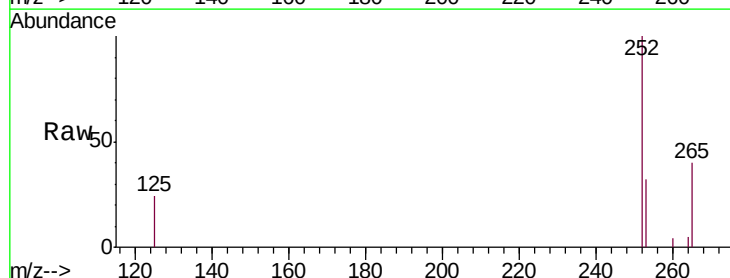
Tgt Ion:252 Resp: 8091

Ion Ratio Lower Upper

252 100

253 32.5 19.5 29.3#

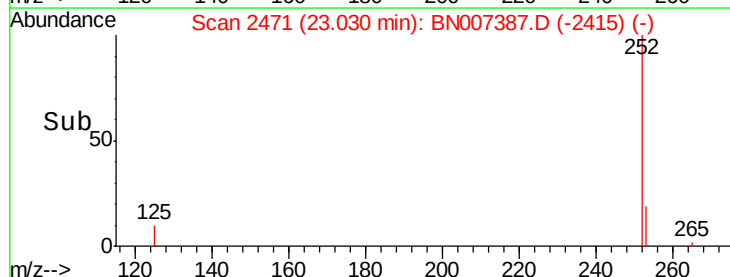
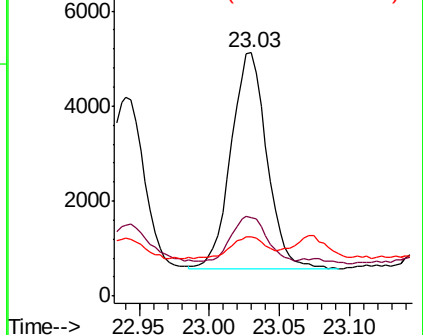
125 24.5 12.1 18.1#

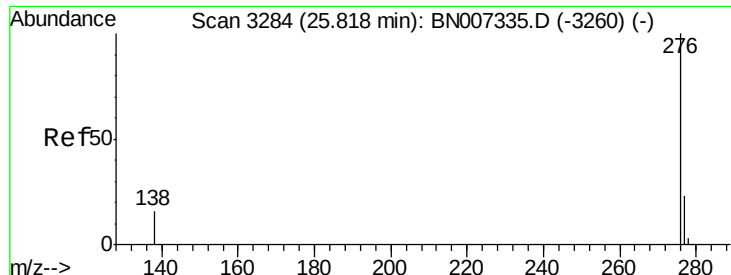


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.045 ng

RT: 25.80 min Scan# 3281

Delta R.T. -0.02 min

Lab File: BN007387.D

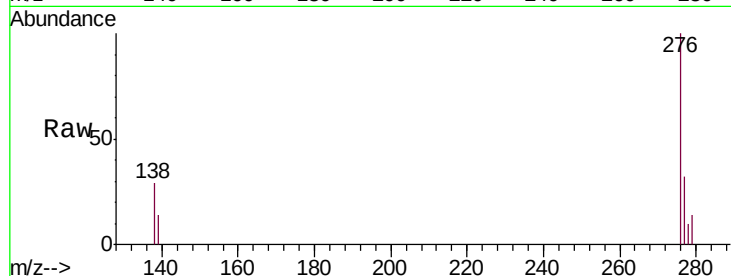
Acq: 25 Aug 2019 06:42

Instrument :

BNA_N

ClientSampleId :

S705-N-0.0-0.5-082219



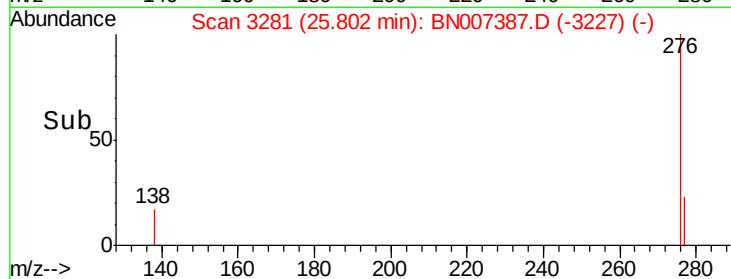
Tgt Ion: 276 Resp: 6569

Ion Ratio Lower Upper

276 100

277 31.5 19.6 29.4#

138 29.0 16.3 24.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

