

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007409.D
 Acq On : 26 Aug 2019 14:07
 Operator : HP/JU
 Sample : K4409-11DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 26 17:26:37 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	45396	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	176807	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	102076	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	227175	0.40	ng	0.00
27) Chrysene-d12	21.02	240	284666	0.40	ng	0.00
34) Perylene-d12	23.12	264	339846	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	1073	-0.02	ng	0.00
5) Phenol-d6	6.59	99	1403	-0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	1252	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	2032	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3346	0.06	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	5131	0.01	ng	0.00
25) Fluoranthene-d10	18.84	212	3822	0.01	ng	0.00
29) Terphenyl-d14	19.47	244	565386	0.76	ng	0.00

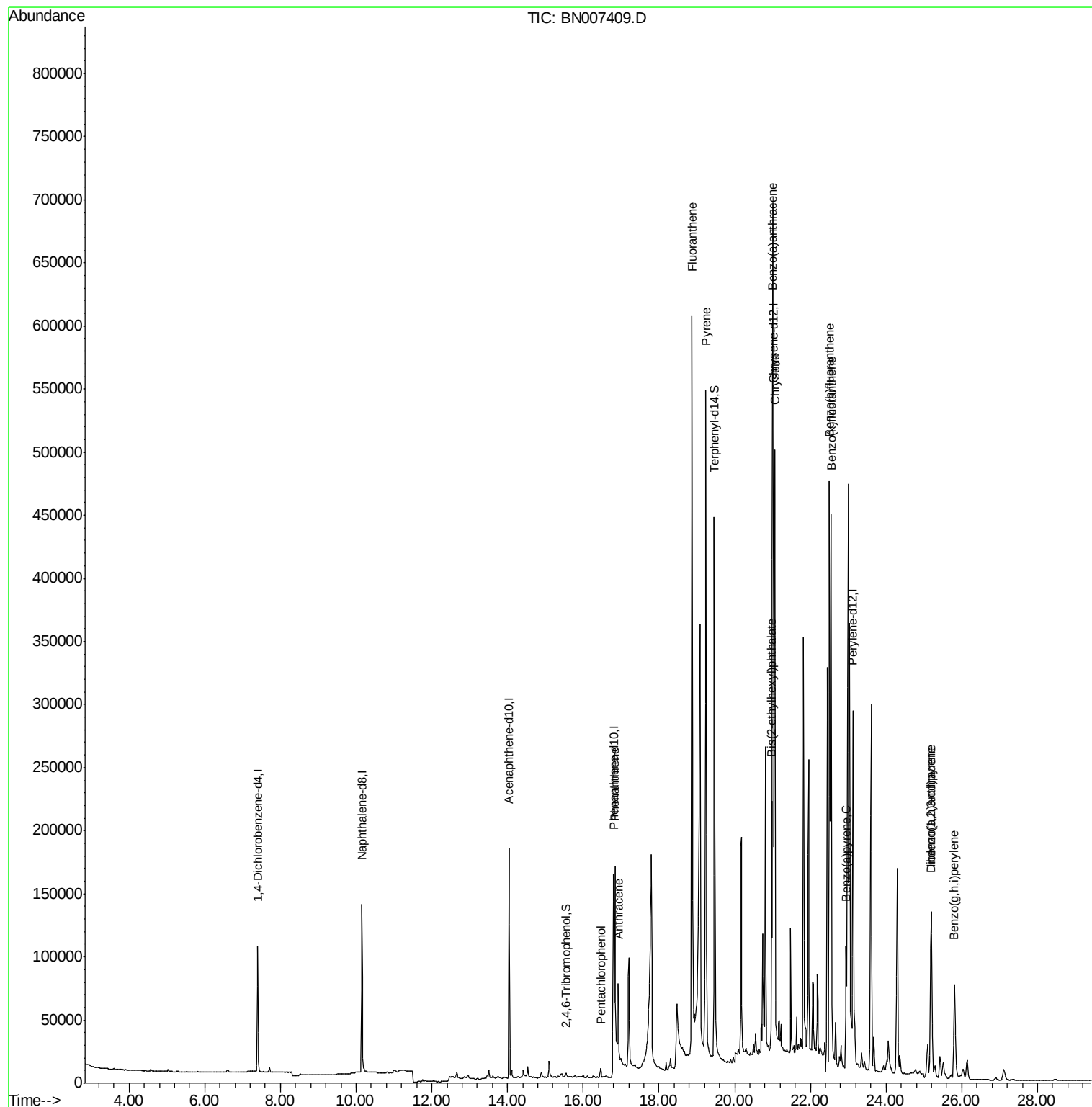
Target Compounds				Qvalue		
22) Pentachlorophenol	16.46	266	4576	0.097	ng	# 64
23) Phenanthrene	16.83	178	162893	0.238	ng	99
24) Anthracene	16.93	178	65664	0.096	ng	98
26) Fluoranthene	18.87	202	587219	0.669	ng	# 97
28) Pyrene	19.24	202	528687	0.462	ng	98
30) Benzo(a)anthracene	21.01	228	514205	0.460	ng	99
31) Chrysene	21.06	228	469325	0.435	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	197747	0.254	ng	96
33) Indeno(1,2,3-cd)pyrene	25.19	276	189632	0.146	ng	98
35) Benzo(b)fluoranthene	22.51	252	615676	0.500	ng	# 94
36) Benzo(k)fluoranthene	22.55	252	549320	0.451	ng	99
37) Benzo(a)pyrene	22.95	252	123013	0.105	ng	98
38) Dibenzo(a,h)anthracene	25.20	278	84850	0.073	ng	99
39) Benzo(g,h,i)perylene	25.81	276	154454	0.133	ng	97

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

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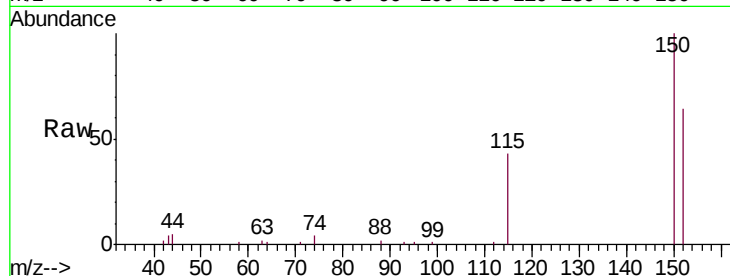


#1

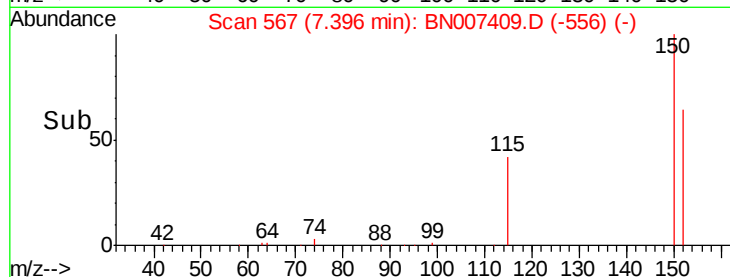
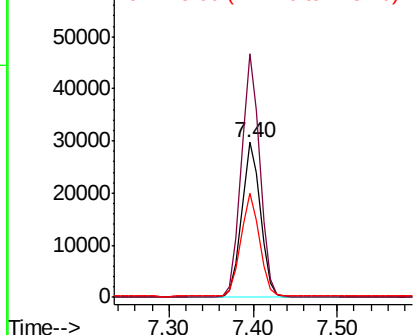
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 45396
Ion Ratio Lower Upper
152 100
150 157.0 109.1 163.7
115 67.4 59.6 89.4



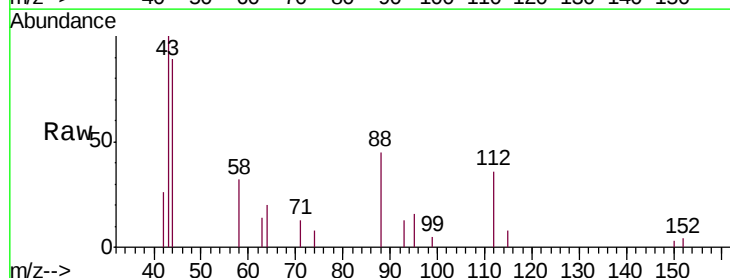
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



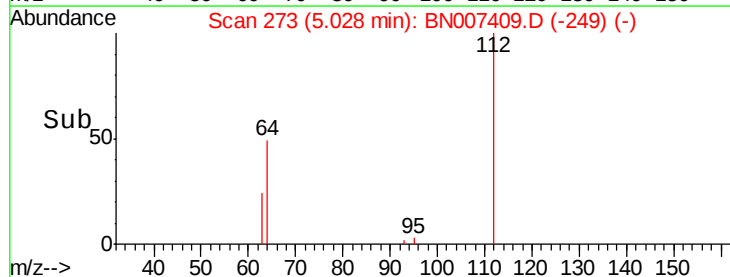
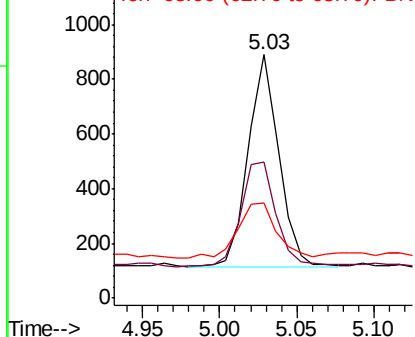
#4

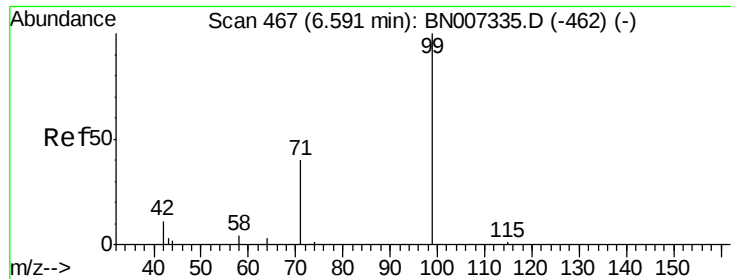
2-Fluorophenol
Concen: -0.023 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:112 Resp: 1073
Ion Ratio Lower Upper
112 100
64 57.4 42.3 63.5
63 33.5 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: -0.025 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampled :

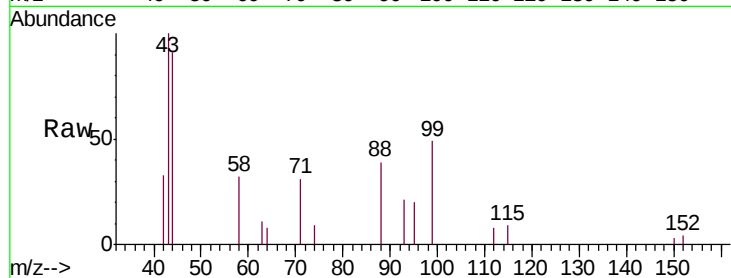
Tot Ion: 99 Resp: 1403

Ion Ratio Lower Upper

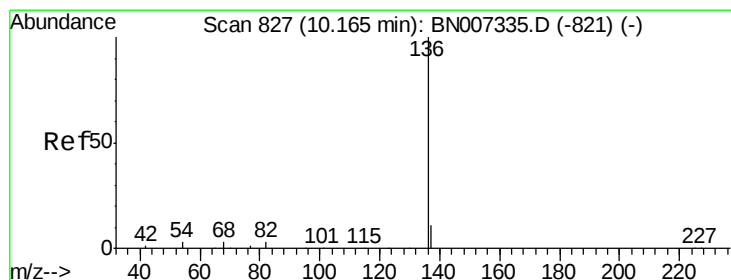
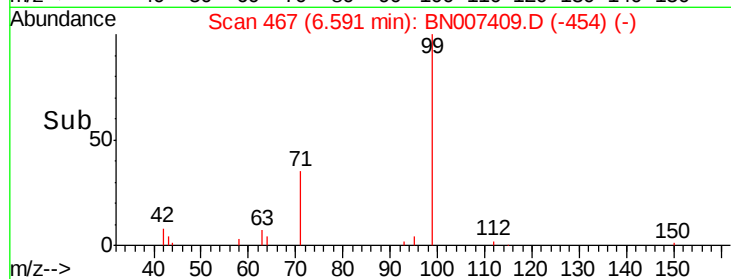
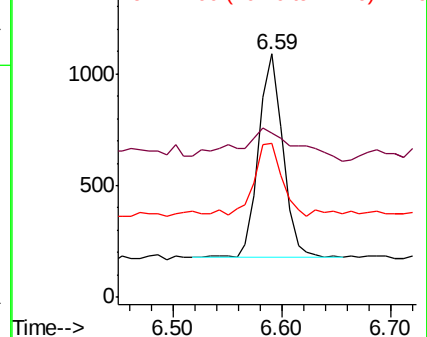
99 100

42 26.9 11.2 16.8#

71 41.3 31.8 47.8



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Tgt Ion: 136 Resp: 176807

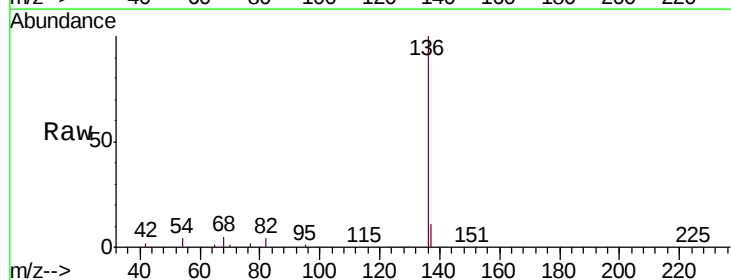
Ion Ratio Lower Upper

136 100

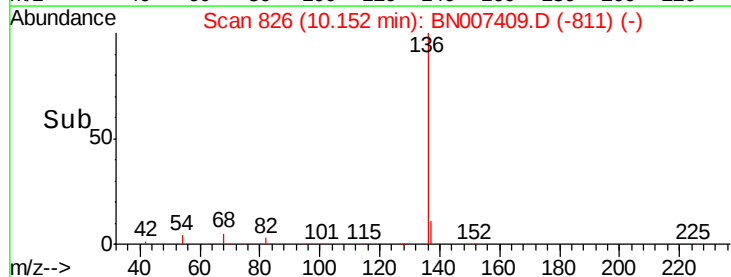
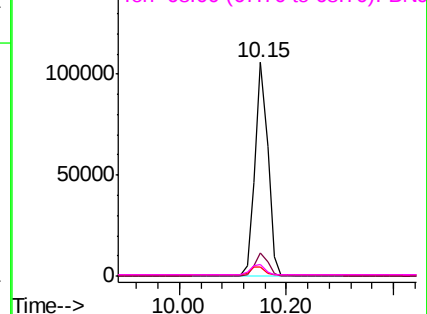
137 11.0 12.9 19.3#

54 4.5 8.6 12.8#

68 5.5 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): BNC
Ion 68.00 (67.70 to 68.70): BNC





#8

Nitrobenzene-d5

Concen: 0.008 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampleId :

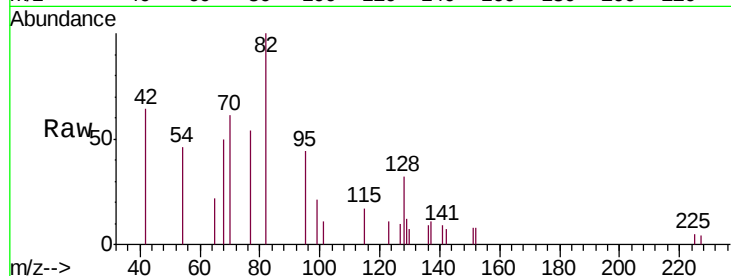
Tot Ion: 82 Resp: 1252

Ion Ratio Lower Upper

82 100

128 31.6 19.7 29.5#

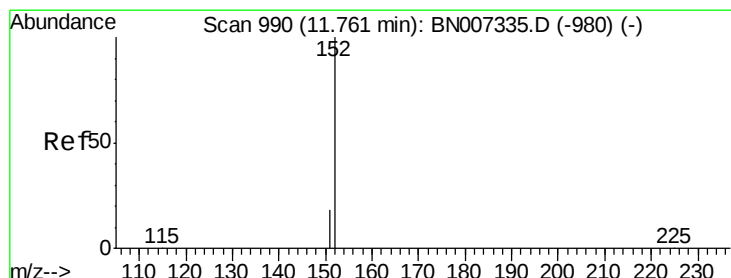
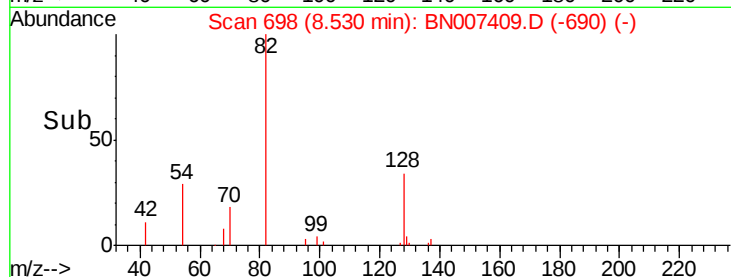
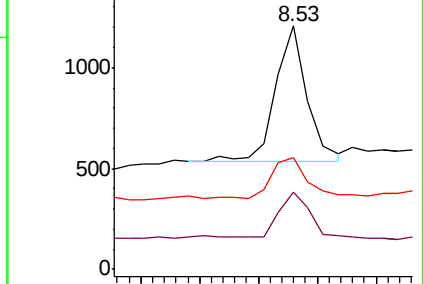
54 45.9 25.8 38.6#



Abundance Ion 82.00 (81.70 to 82.70): BN007409.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007409.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007409.D (-690) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.007 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007409.D

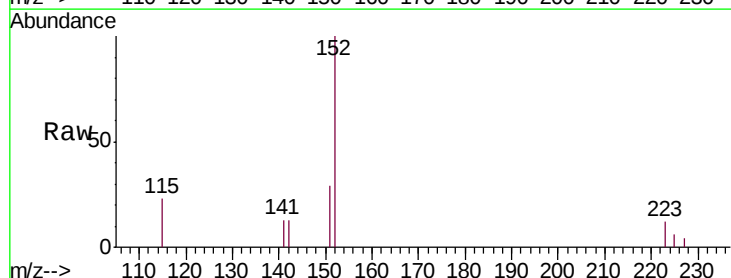
Acq: 26 Aug 2019 14:07

Tgt Ion: 152 Resp: 2032

Ion Ratio Lower Upper

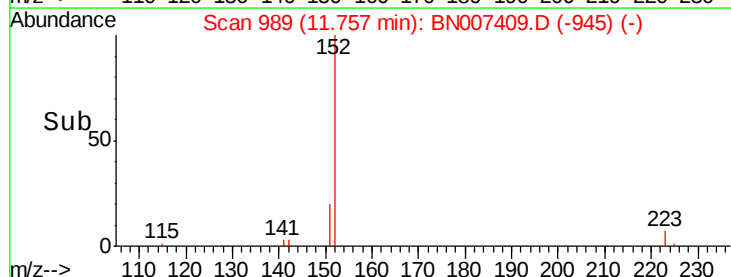
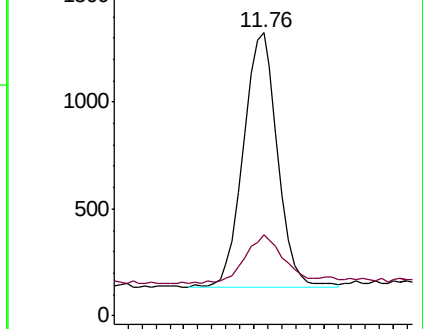
152 100

151 22.0 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007409.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007409.D (-945) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampleId :

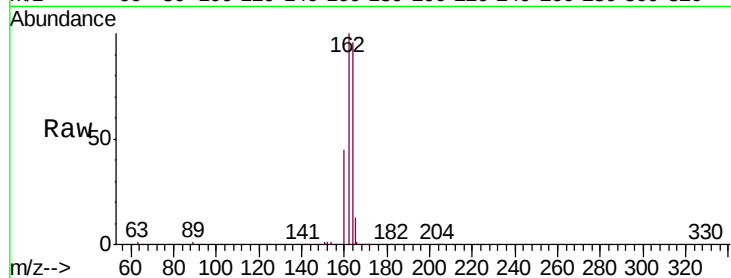
Tot Ion:164 Resp: 102076

Ion Ratio Lower Upper

164 100

162 104.6 83.5 125.3

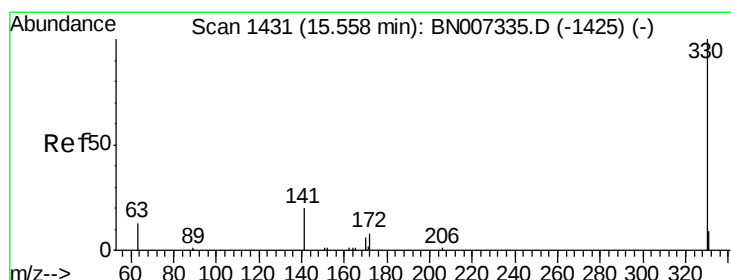
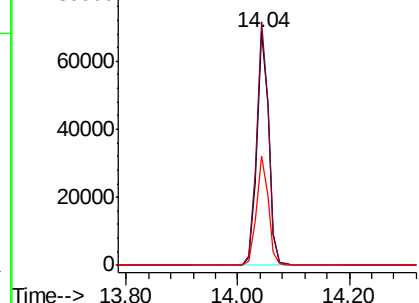
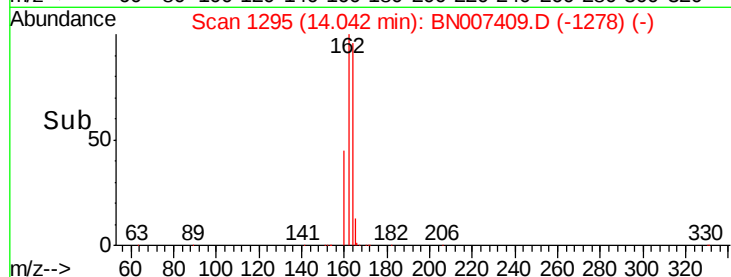
160 47.1 38.2 57.4



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: 0.063 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

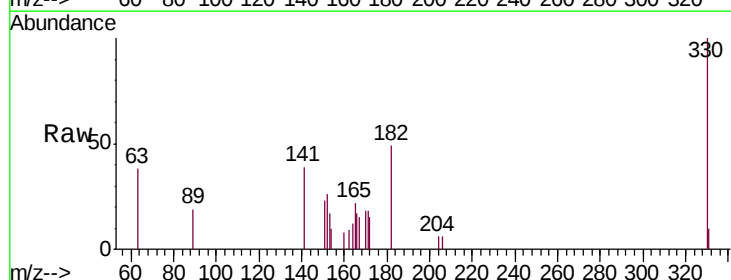
Tgt Ion:330 Resp: 3346

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

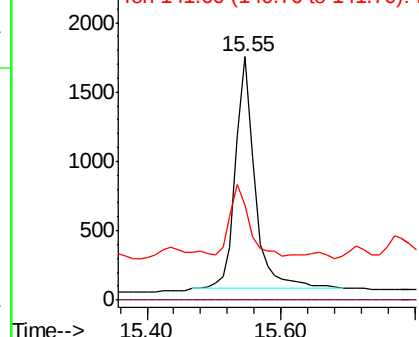
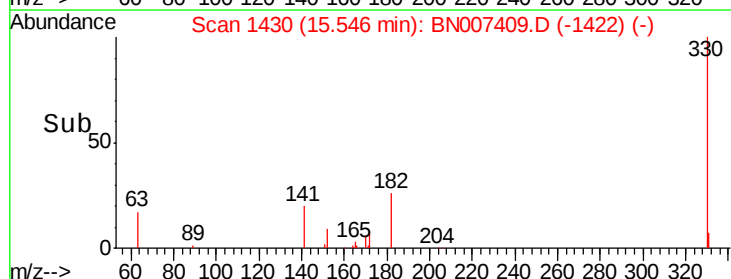
141 30.2 26.9 40.3



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

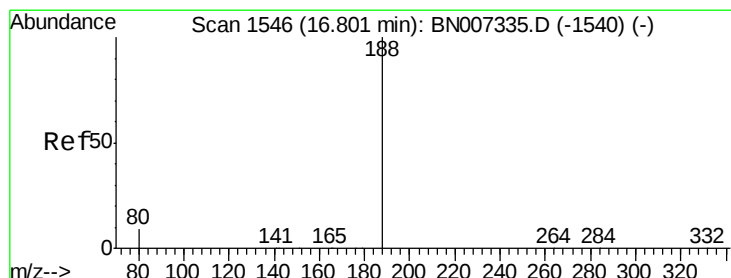
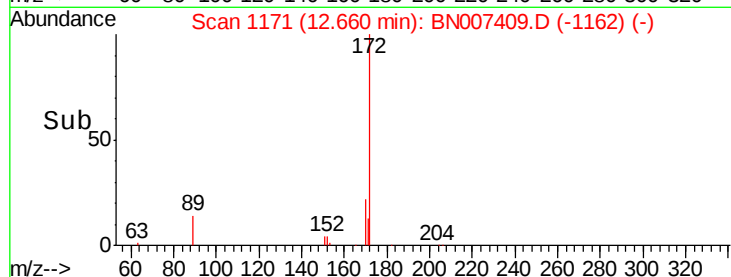
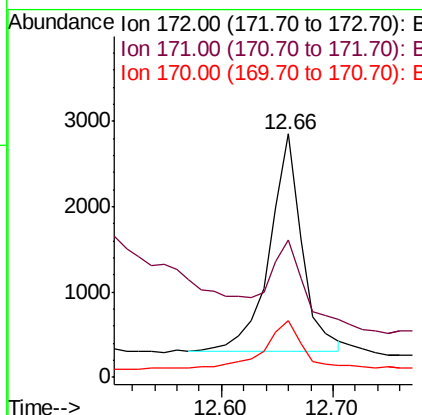
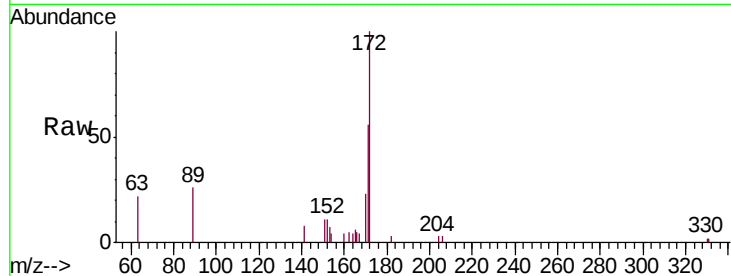




#15
2-Fluorobiphenyl
Concen: 0.012 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

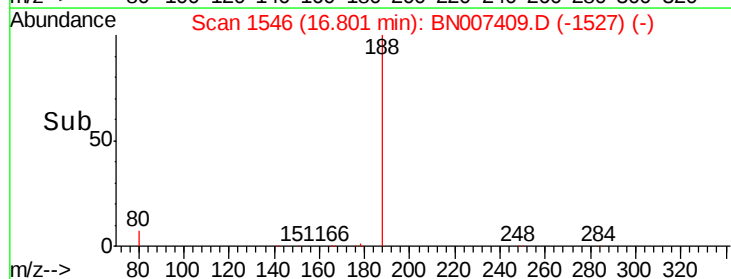
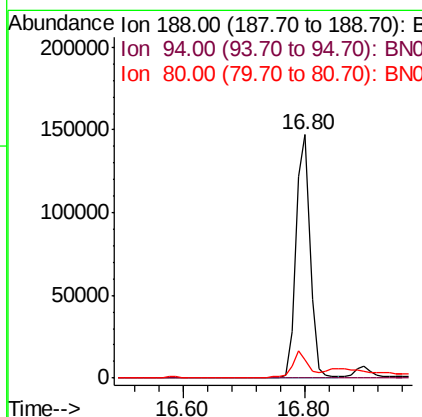
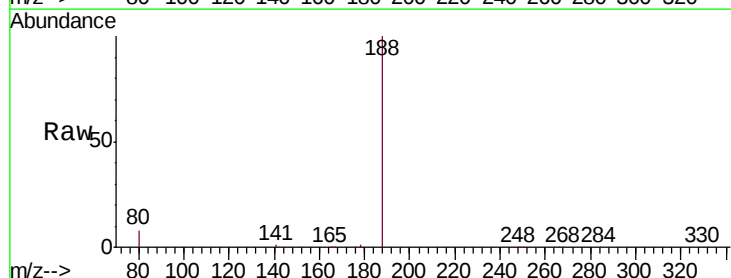
Instrument :
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ClientSampleId :

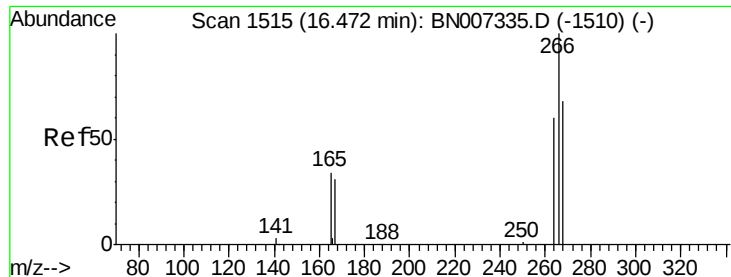
Tot Ion:172 Resp: 5131
Ion Ratio Lower Upper
172 100
171 56.3 30.3 45.5#
170 23.3 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:188 Resp: 227175
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 11.8 17.8#

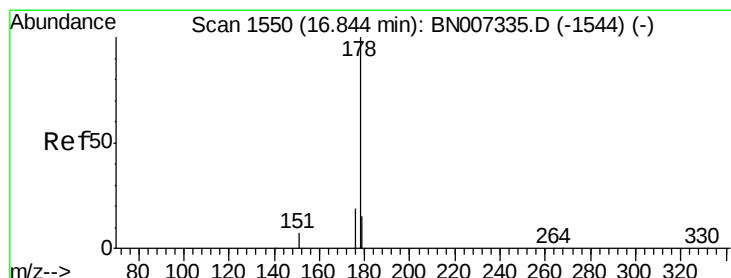
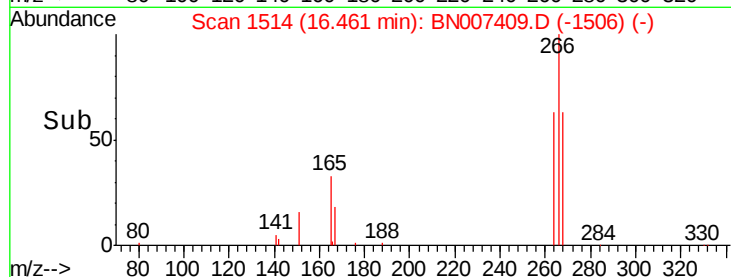
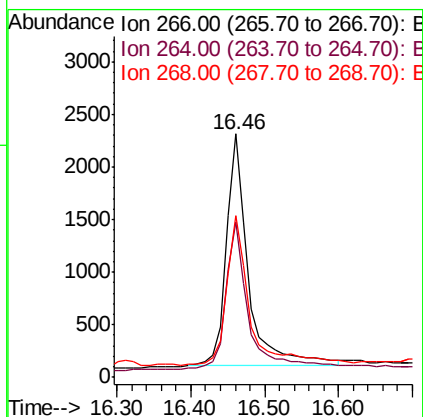
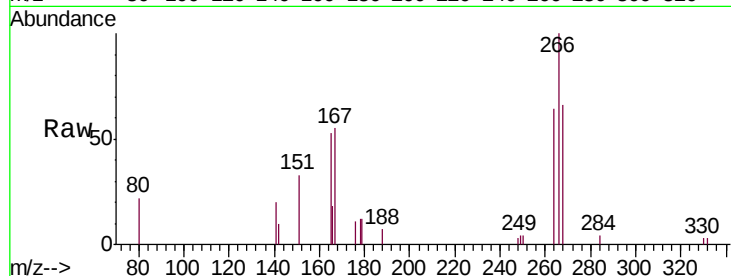




#22
 Pentachlorophenol
 Concen: 0.097 ng
 RT: 16.46 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BN007409.D
 Acq: 26 Aug 2019 14:07

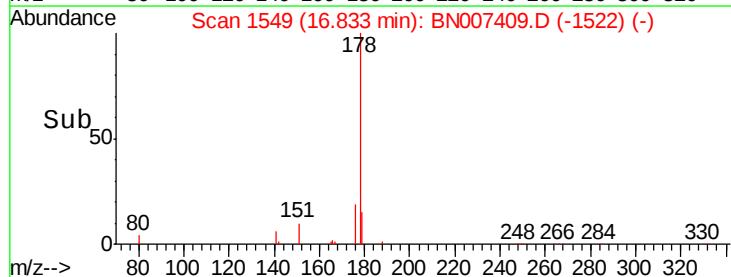
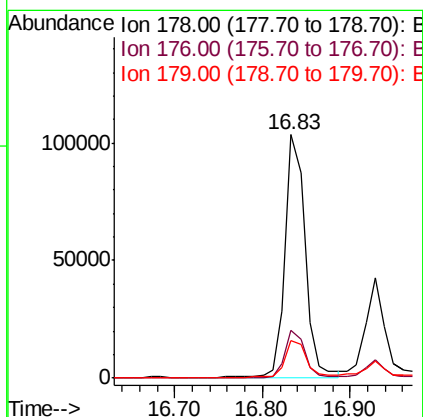
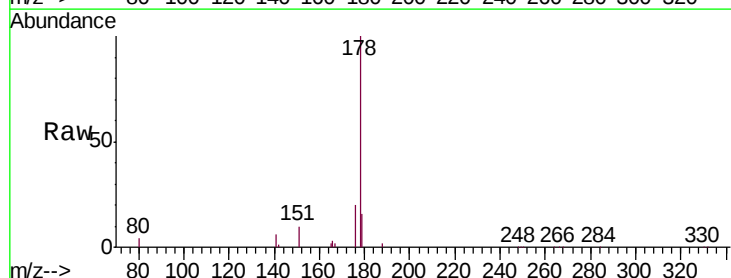
Instrument :
 BNA_N
 ClientSampleId :

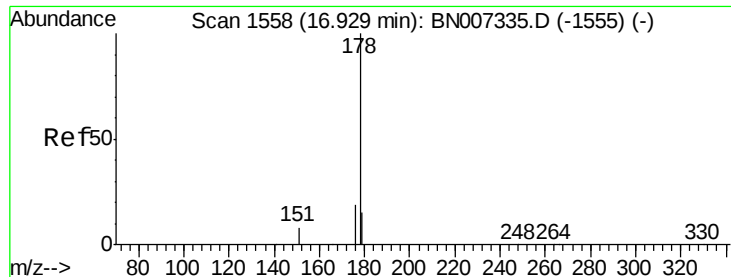
Tot Ion:266 Resp: 4576
 Ion Ratio Lower Upper
 266 100
 264 63.8 57.8 86.8
 268 66.2 99.7 149.5#



#23
 Phenanthrene
 Concen: 0.238 ng
 RT: 16.83 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BN007409.D
 Acq: 26 Aug 2019 14:07

Tgt Ion:178 Resp: 162893
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.3 22.9
 179 16.4 12.6 19.0





#24

Anthracene

Concen: 0.096 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampleId :

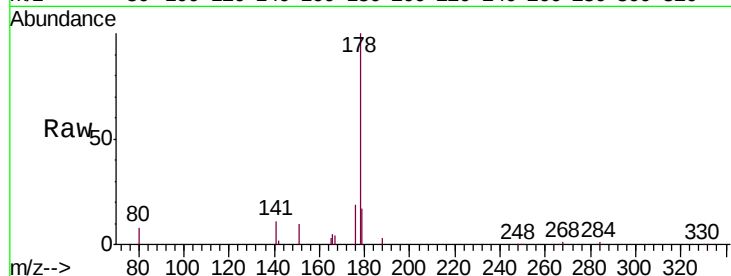
Tot Ion:178 Resp: 65664

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

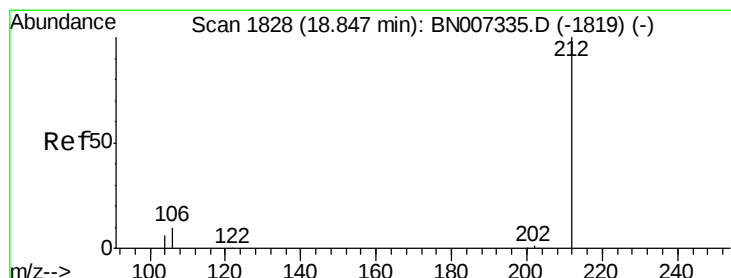
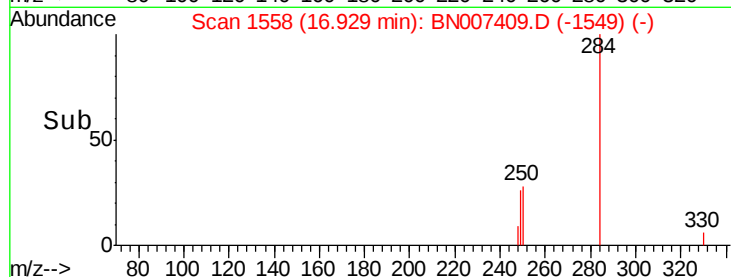
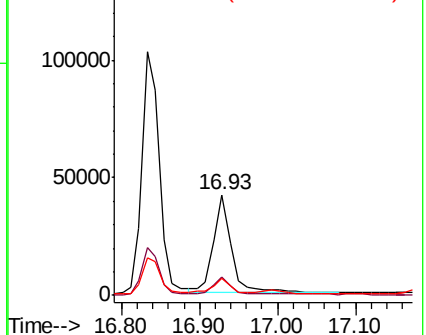
179 14.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.005 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

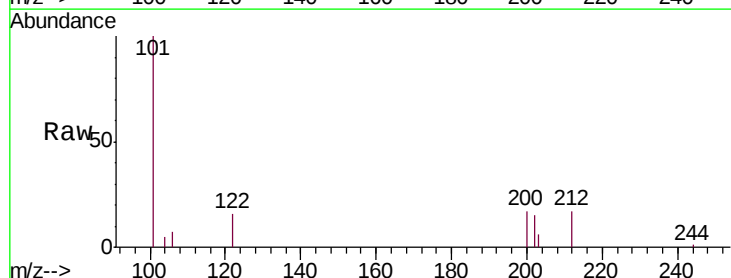
Tgt Ion:212 Resp: 3822

Ion Ratio Lower Upper

212 100

106 15.5 9.0 13.4#

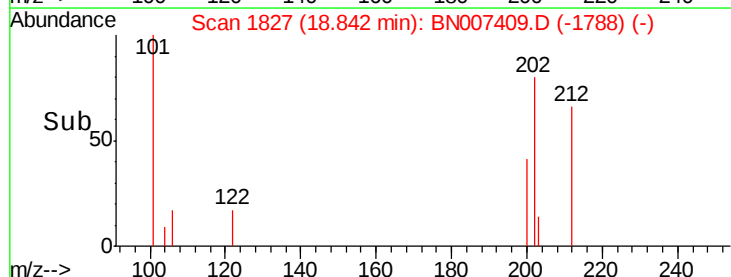
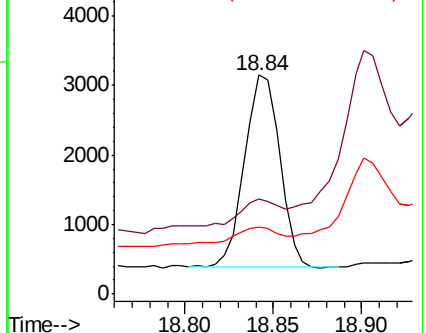
104 14.5 5.4 8.2#

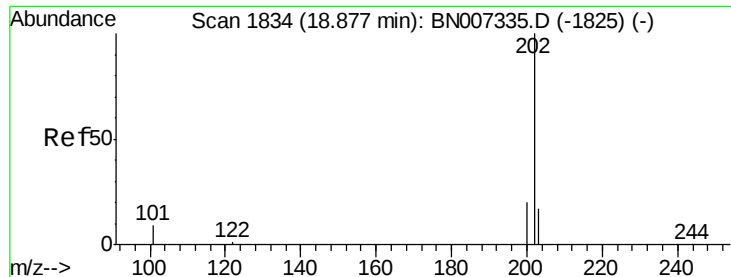


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

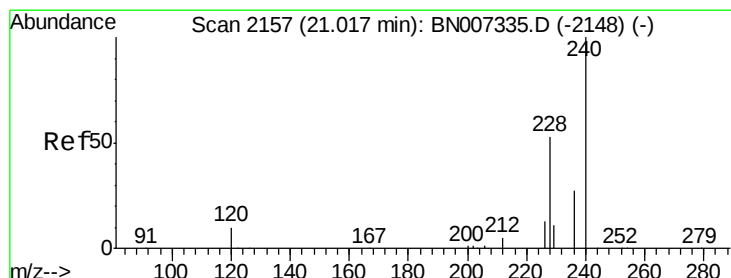
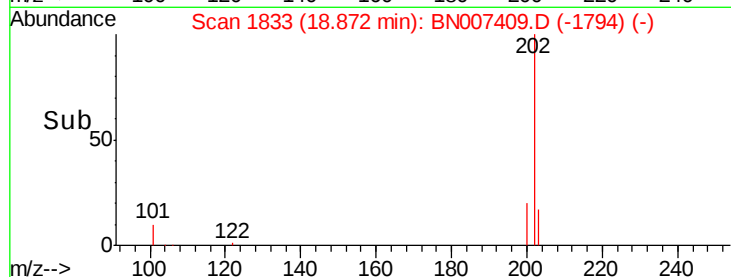
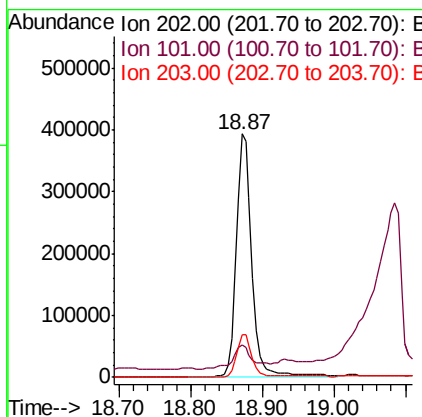
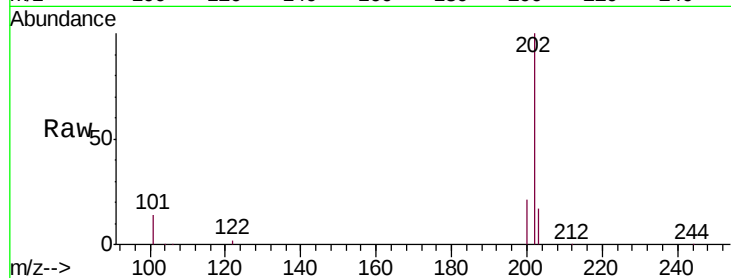




#26
 Fluoranthene
 Concen: 0.669 ng
 RT: 18.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BN007409.D
 Acq: 26 Aug 2019 14:07

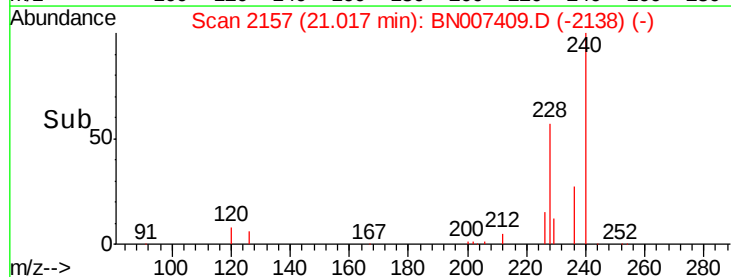
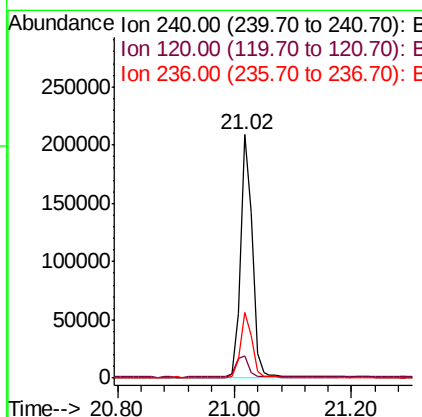
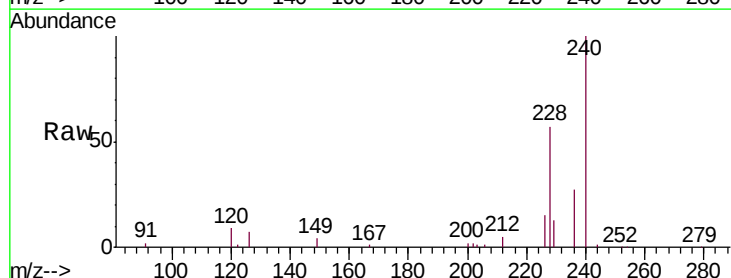
Instrument :
 BNA_N
 ClientSampled :

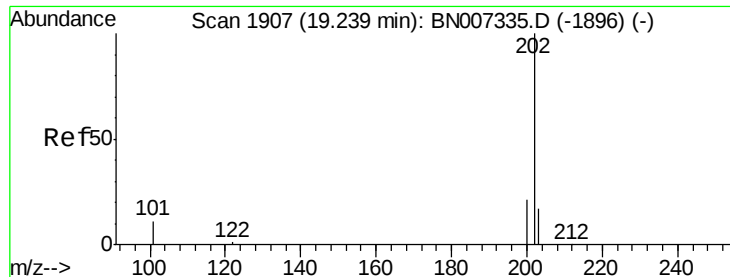
Tot Ion:202 Resp: 587219
 Ion Ratio Lower Upper
 202 100
 101 12.5 7.7 11.5#
 203 16.8 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: BN007409.D
 Acq: 26 Aug 2019 14:07

Tgt Ion:240 Resp: 284666
 Ion Ratio Lower Upper
 240 100
 120 9.2 9.6 14.4#
 236 27.1 22.2 33.2

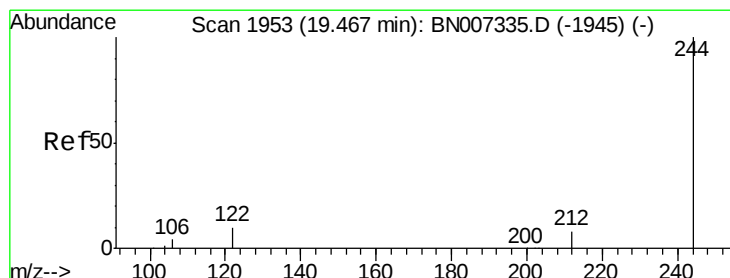
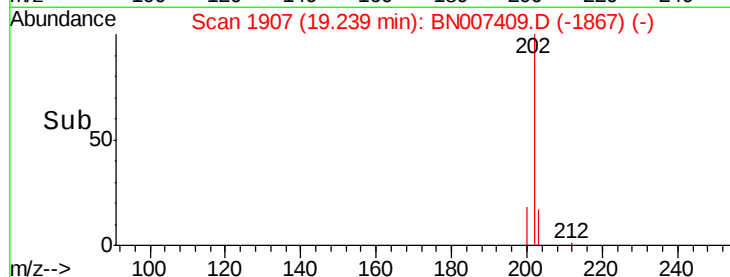
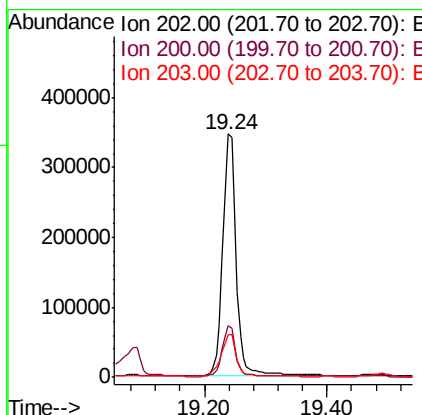
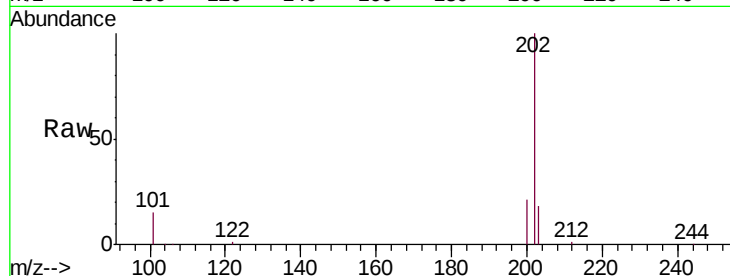




#28
Pvrene
Concen: 0.462 ng
RT: 19.24 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

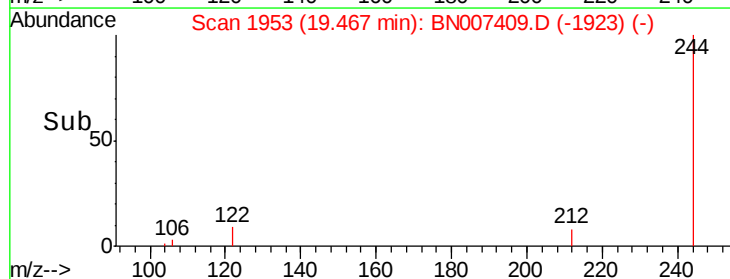
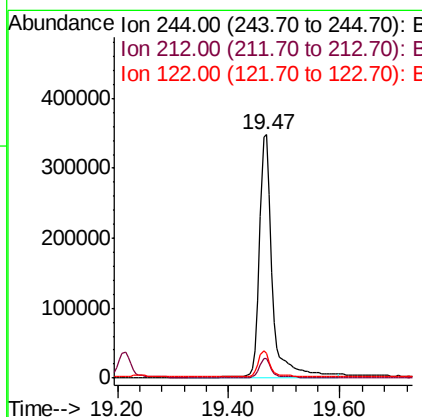
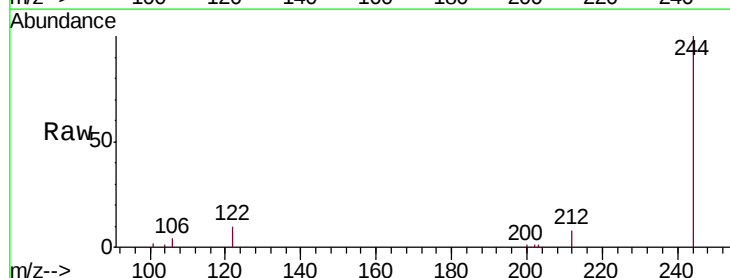
Instrument :
BNA_N
ClientSampleId :

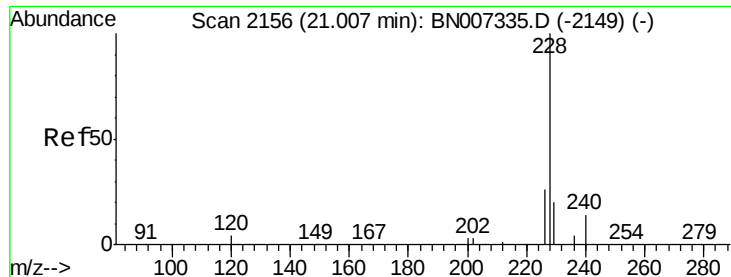
Tot Ion:202 Resp: 528687
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 19.7 14.2 21.4



#29
Terphenyl-d14
Concen: 0.759 ng
RT: 19.47 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:244 Resp: 565386
Ion Ratio Lower Upper
244 100
212 8.0 7.0 10.6
122 10.1 9.6 14.4





#30

Benzo(a)anthracene

Concen: 0.460 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampleId :

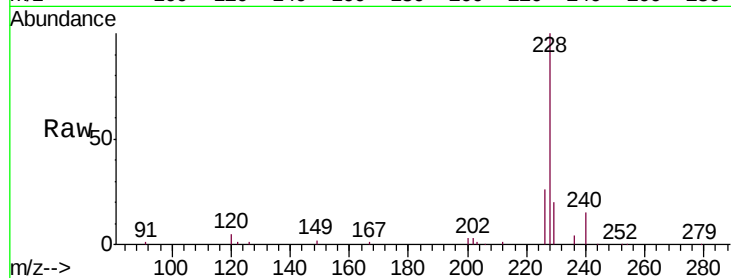
Tot Ion:228 Resp: 514205

Ion Ratio Lower Upper

228 100

226 26.2 21.3 31.9

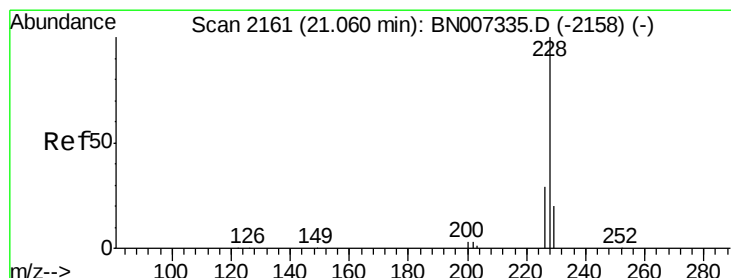
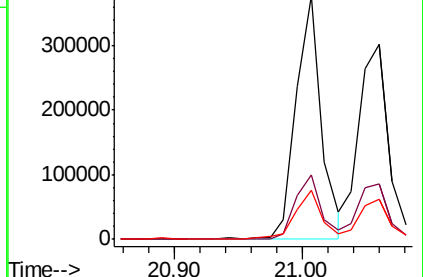
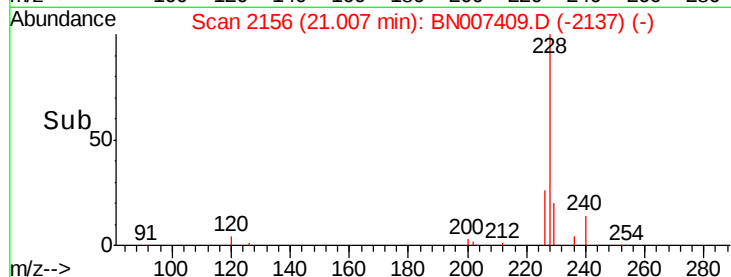
229 20.0 16.1 24.1



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: 0.435 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

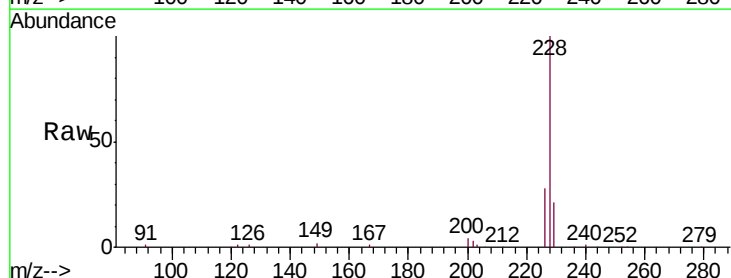
Tgt Ion:228 Resp: 469325

Ion Ratio Lower Upper

228 100

226 28.4 23.5 35.3

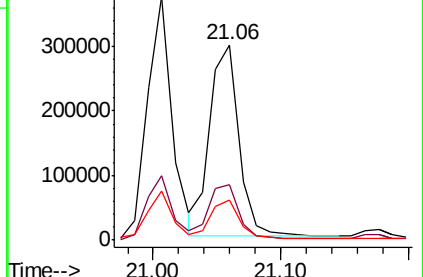
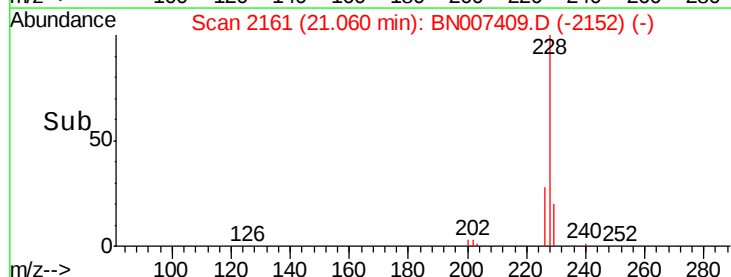
229 20.8 16.6 24.8

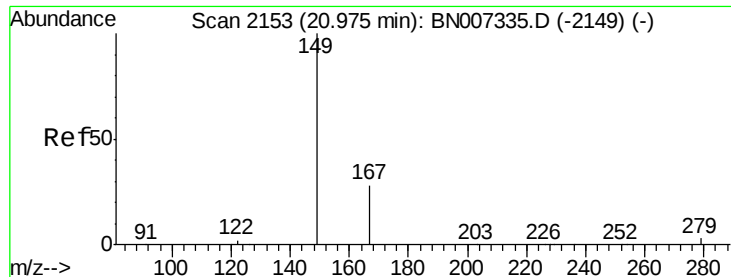


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.254 ng

RT: 20.97 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

Instrument :

BNA_N

ClientSampleId :

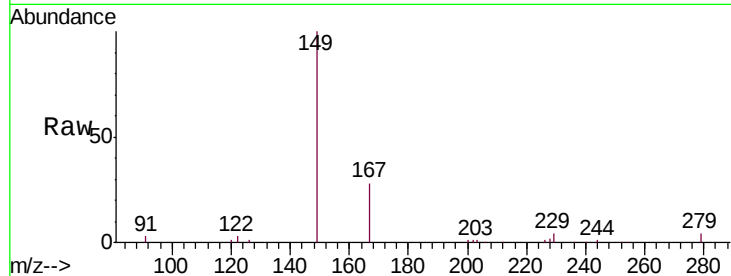
Tot Ion:149 Resp: 197747

Ion Ratio Lower Upper

149 100

167 26.3 22.8 34.2

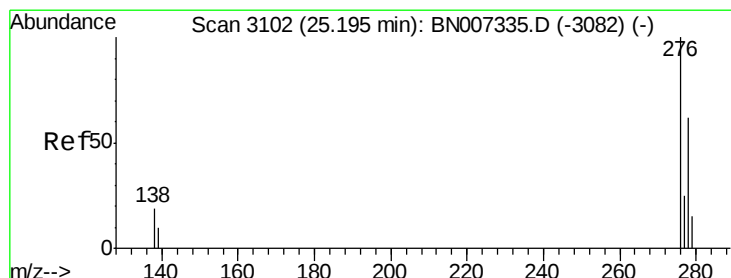
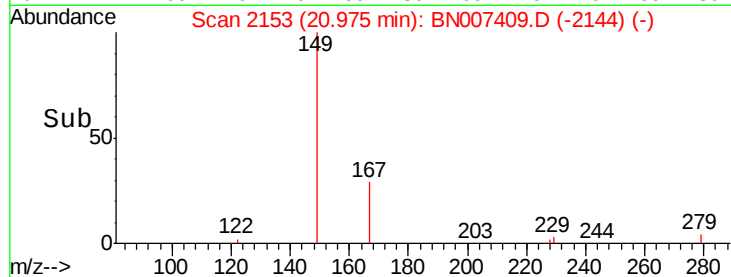
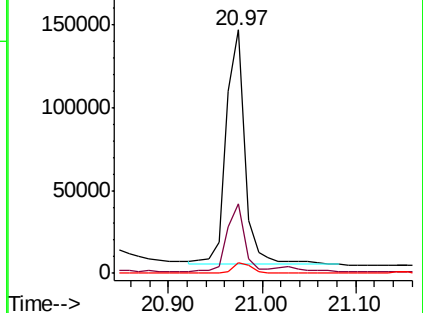
279 4.1 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.146 ng

RT: 25.19 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BN007409.D

Acq: 26 Aug 2019 14:07

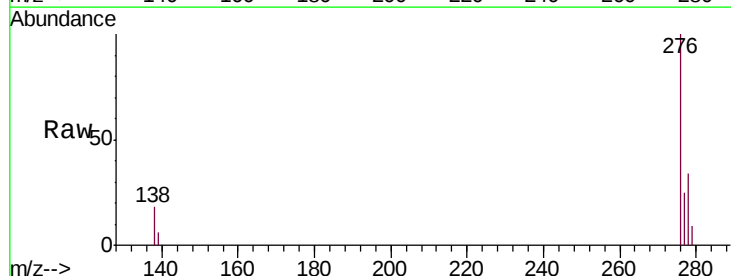
Tgt Ion:276 Resp: 189632

Ion Ratio Lower Upper

276 100

138 17.6 15.1 22.7

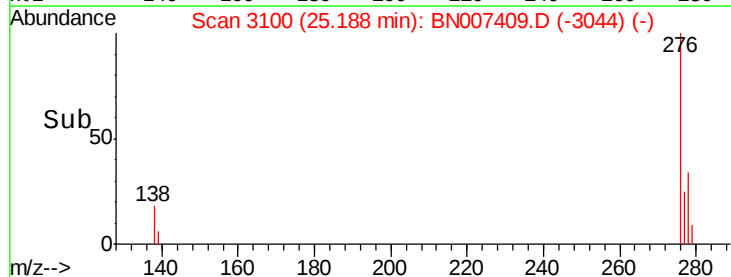
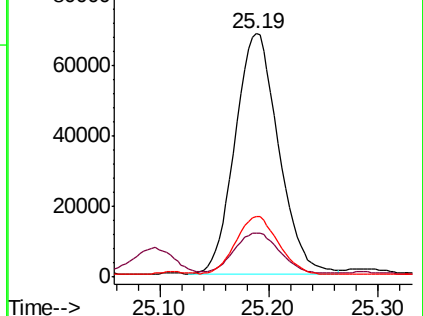
277 23.6 19.7 29.5

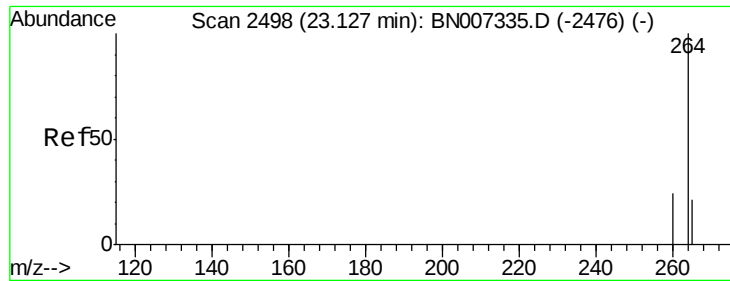


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

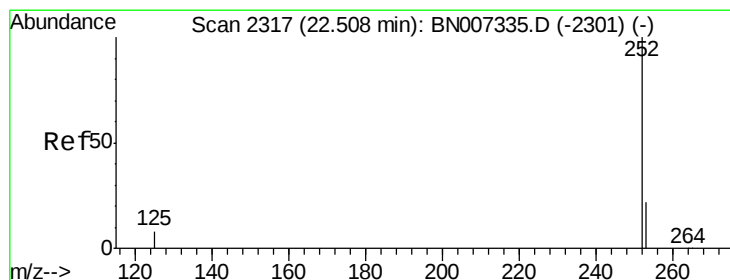
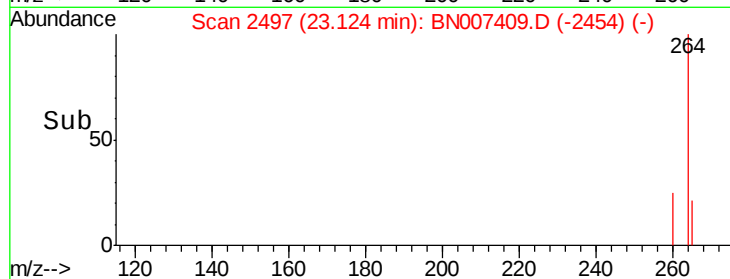
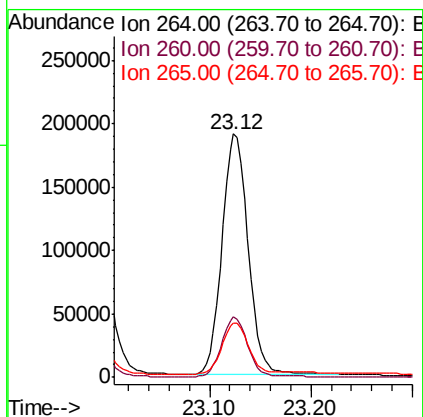
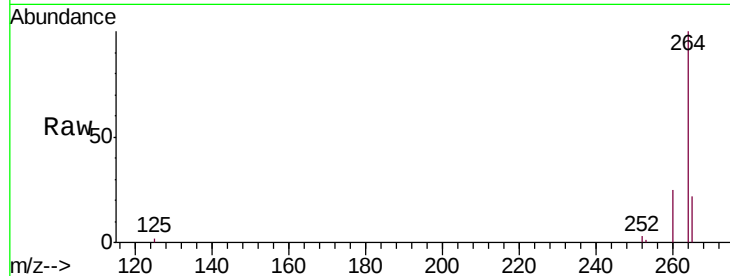




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

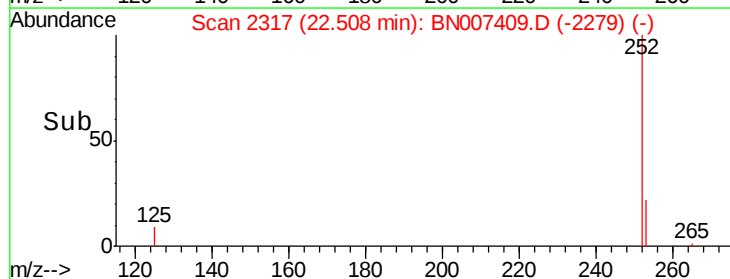
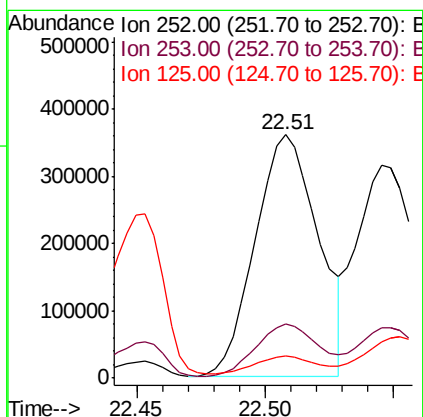
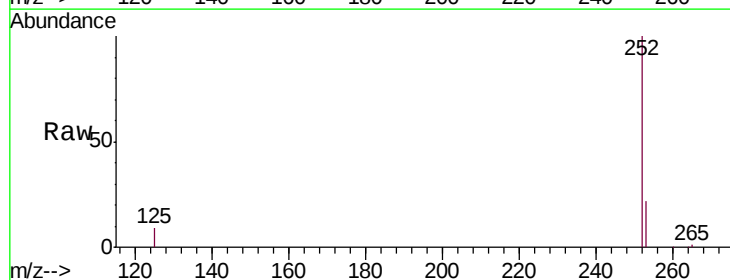
Instrument :
BNA_N
ClientSampleId :

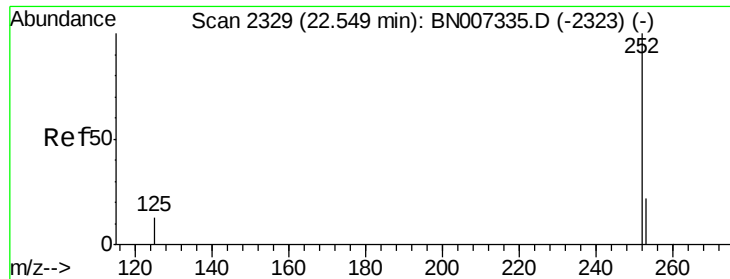
Tot Ion:264 Resp: 339846
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.4 29.9 44.9#



#35
Benzo(b)fluoranthene
Concen: 0.500 ng
RT: 22.51 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:252 Resp: 615676
Ion Ratio Lower Upper
252 100
253 22.1 19.2 28.8
125 8.9 10.6 16.0#

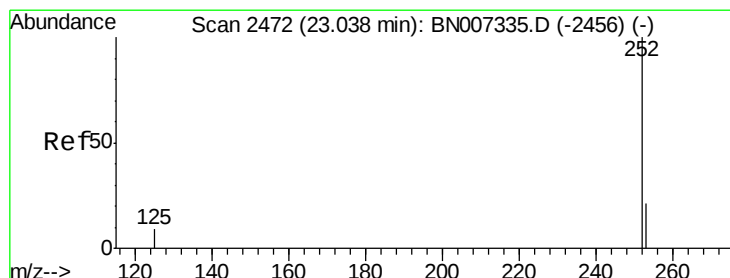
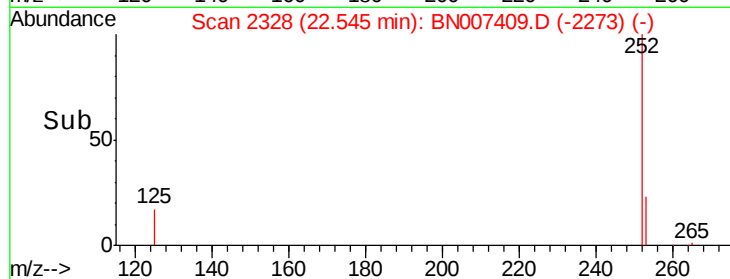
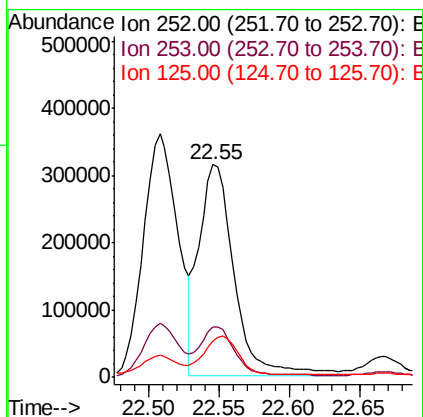
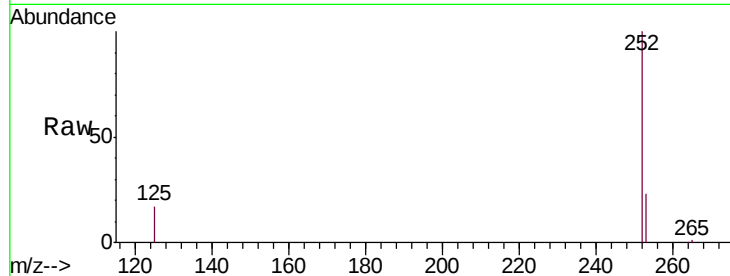




#36
Benzo(k)fluoranthene
Concen: 0.451 ng
RT: 22.55 min Scan# 2328
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

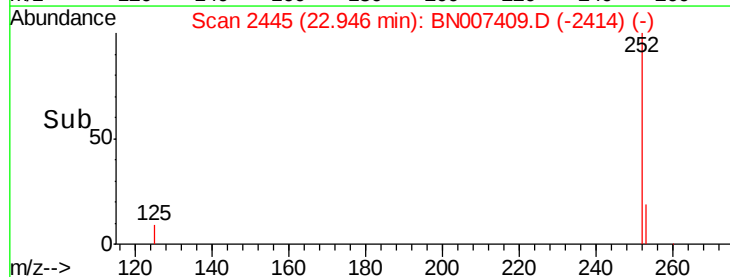
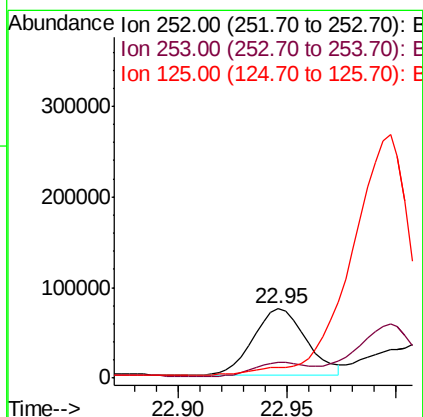
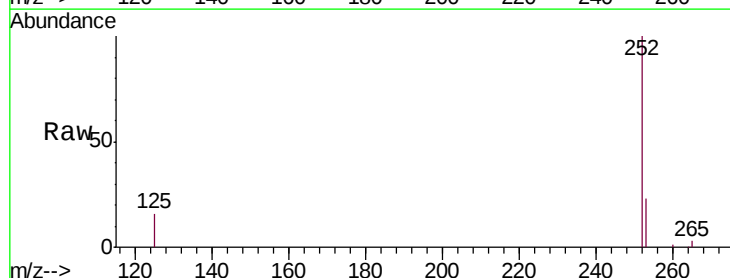
Instrument :
BNA_N
ClientSampled :

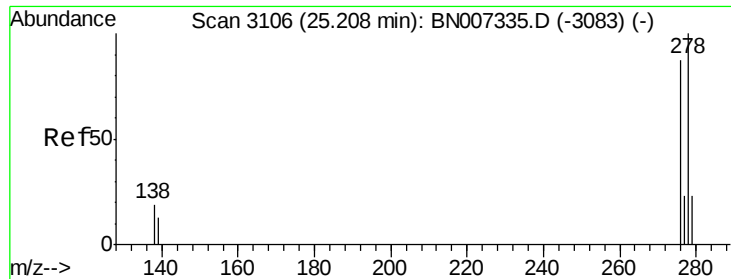
Tot Ion:252 Resp: 549320
Ion Ratio Lower Upper
252 100
253 23.4 19.4 29.2
125 16.8 13.1 19.7



#37
Benzo(a)pyrene
Concen: 0.105 ng
RT: 22.95 min Scan# 2445
Delta R.T. -0.09 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:252 Resp: 123013
Ion Ratio Lower Upper
252 100
253 23.1 19.5 29.3
125 15.8 12.1 18.1

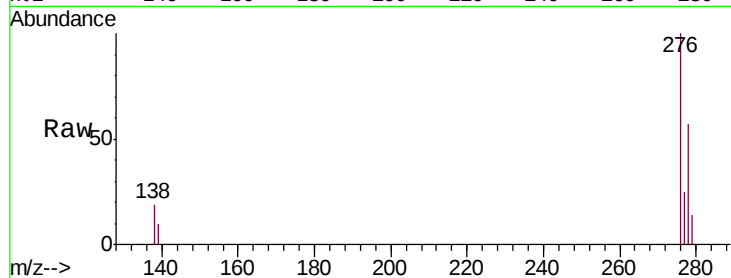




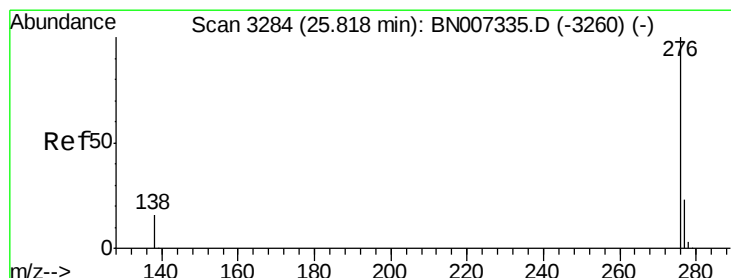
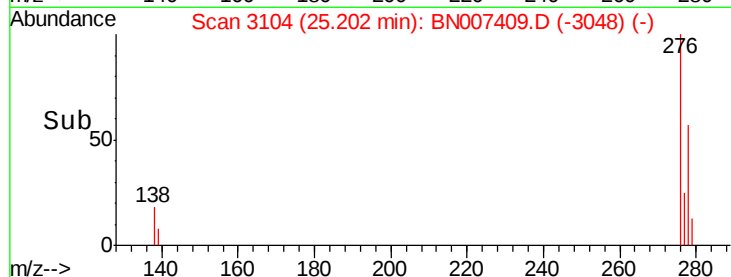
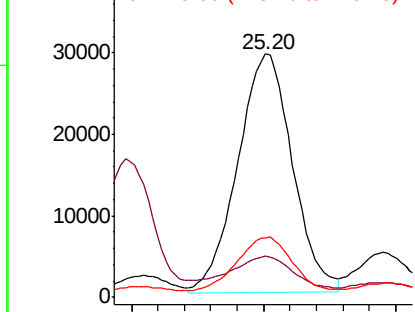
#38
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 84850
Ion Ratio Lower Upper
278 100
139 17.0 13.7 20.5
279 24.6 20.2 30.4

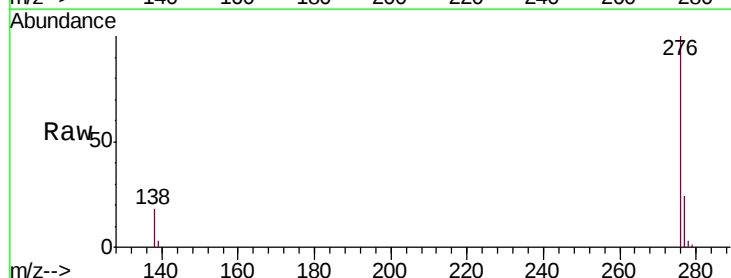


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 0.133 ng
RT: 25.81 min Scan# 3281
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:276 Resp: 154454
Ion Ratio Lower Upper
276 100
277 23.9 19.6 29.4
138 18.4 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

