

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
 Data File : BN007280.D
 Acq On : 21 Aug 2019 05:27
 Operator : HP/JU
 Sample : K4282-06RX
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 21 08:24:28 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	5889	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	22018	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	13069	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	30507	0.40	ng	-0.01
27) Chrysene-d12	21.03	240	31638	0.40	ng	0.00
34) Perylene-d12	23.13	264	35714	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	6148	0.34	ng	0.00
5) Phenol-d6	6.60	99	8153	0.39	ng	0.00
8) Nitrobenzene-d5	8.54	82	6022	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	12860	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1977	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	17166	0.31	ng	0.00
25) Fluoranthene-d10	18.85	212	24547	0.25	ng	0.00
29) Terphenyl-d14	19.47	244	19344	0.24	ng	0.00

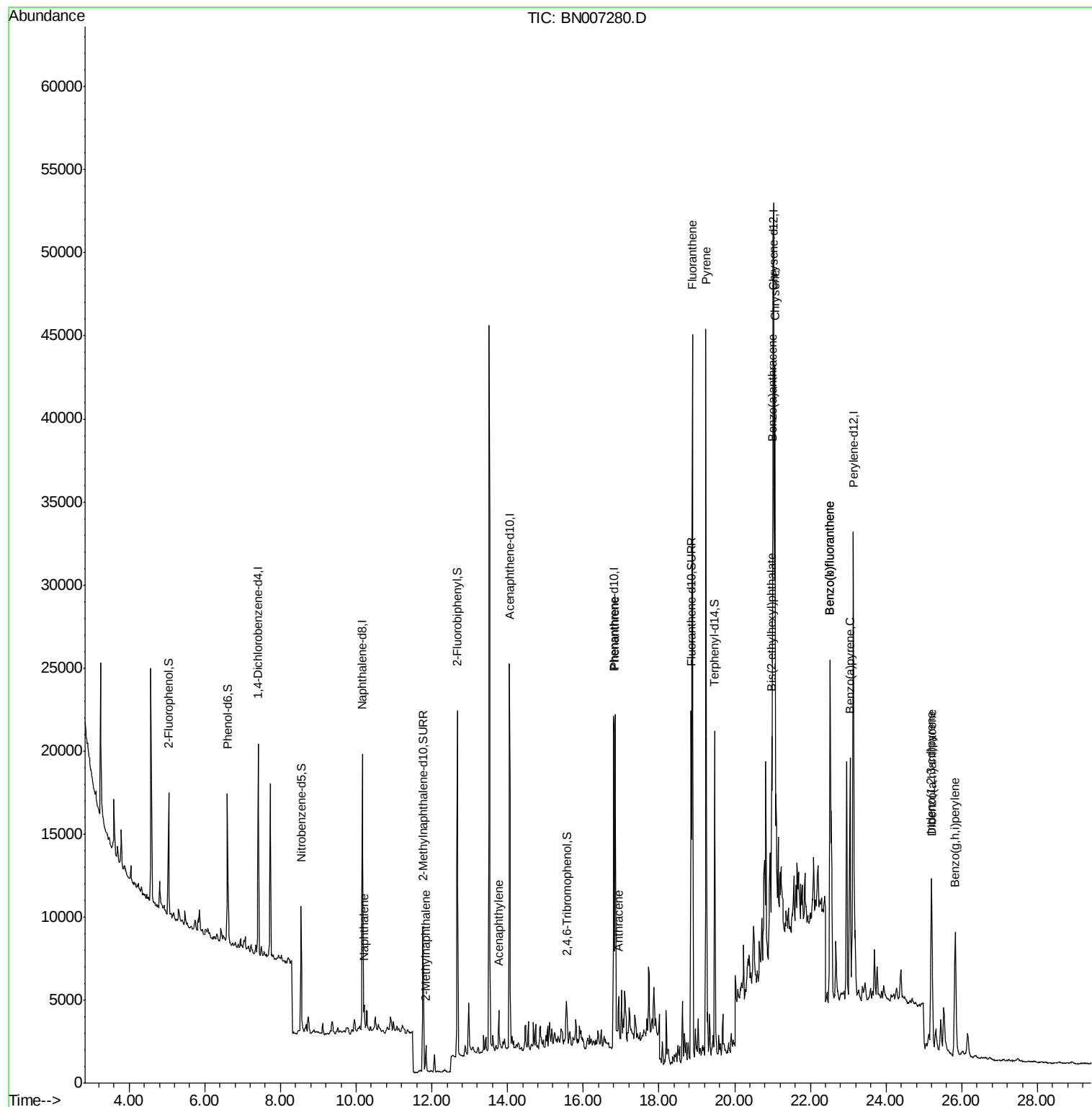
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.22	128	1882	0.030	ng	# 85
12) 2-Methylnaphthalene	11.85	142	1112	0.026	ng	# 91
16) Acenaphthylene	13.77	152	3773	0.054	ng	97
23) Phenanthrene	16.84	178	21025	0.220	ng	100
24) Anthracene	16.94	178	2333	0.027	ng	# 85
26) Fluoranthene	18.88	202	40926	0.353	ng	98
28) Pyrene	19.24	202	40460	0.342	ng	98
30) Benzo(a)anthracene	21.01	228	22029	0.187	ng	# 84
31) Chrysene	21.06	228	33746	0.281	ng	# 91
32) Bis(2-ethylhexyl)phthalate	20.97	149	7756	0.165	ng	98
33) Indeno(1,2,3-cd)pyrene	25.20	276	15122	0.105	ng	99
35) Benzo(b)fluoranthene	22.52	252	32104	0.241	ng	# 94
36) Benzo(k)fluoranthene	22.52	252	32104	0.246	ng	# 94
37) Benzo(a)pyrene	23.05	252	19146	0.160	ng	# 90
38) Dibenzo(a,h)anthracene	25.21	278	4524	0.036	ng	# 34
39) Benzo(g,h,i)perylene	25.83	276	15701	0.123	ng	93

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

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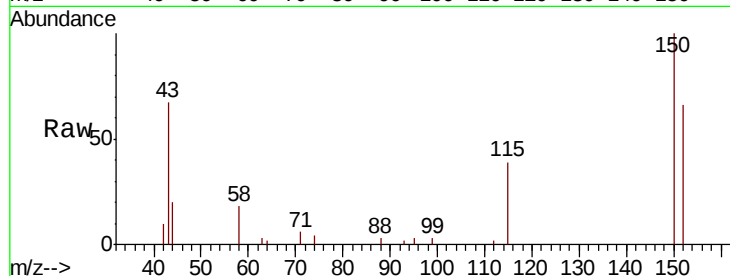


#1

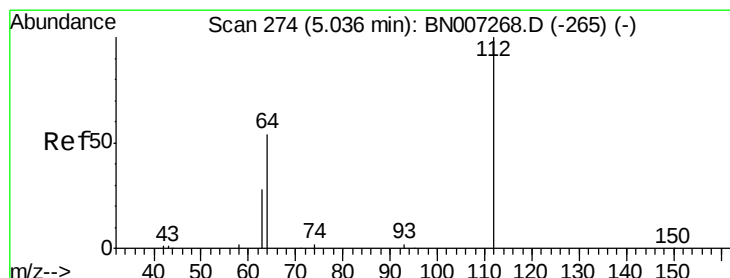
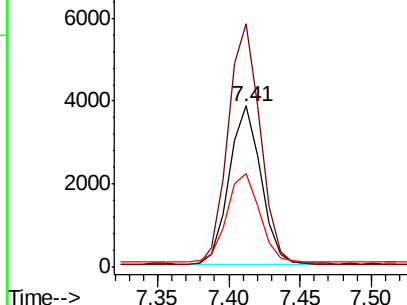
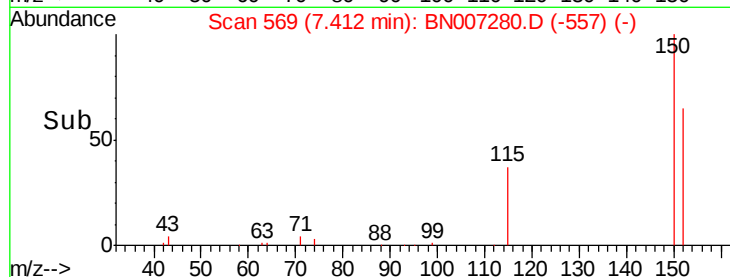
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5889
Ion Ratio Lower Upper
152 100
150 151.0 123.8 185.8
115 58.6 47.3 70.9



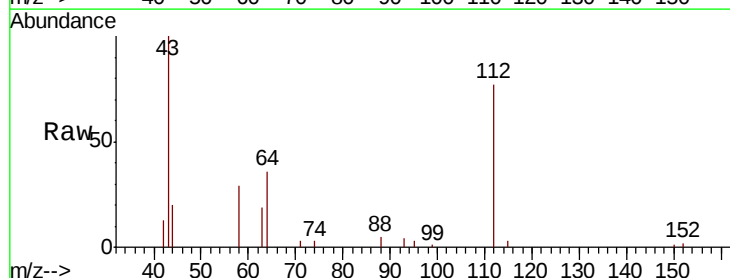
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



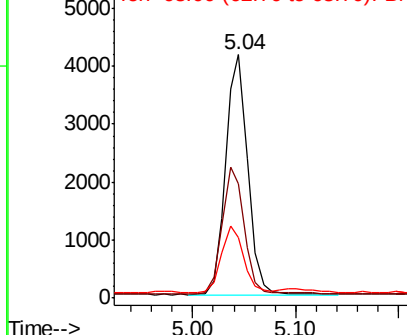
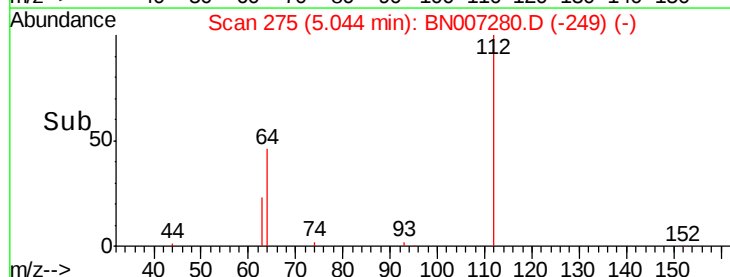
#4

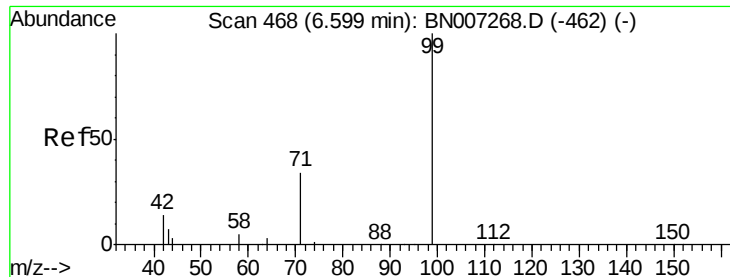
2-Fluorophenol
Concen: 0.343 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:112 Resp: 6148
Ion Ratio Lower Upper
112 100
64 51.9 41.8 62.8
63 27.7 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: 0.394 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampleId :

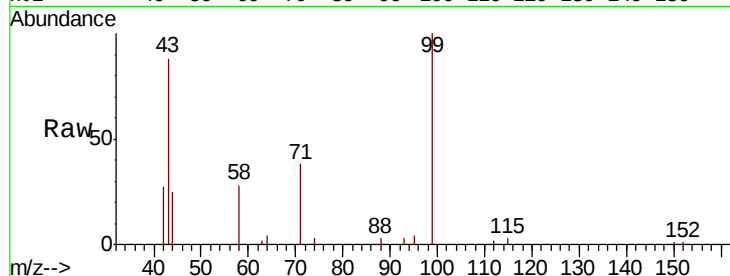
Tot Ion: 99 Resp: 8153

Ion Ratio Lower Upper

99 100

42 20.3 14.3 21.5

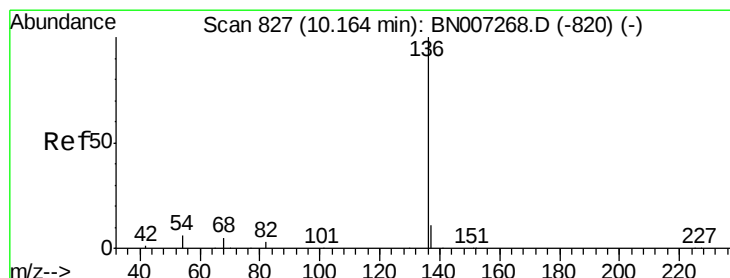
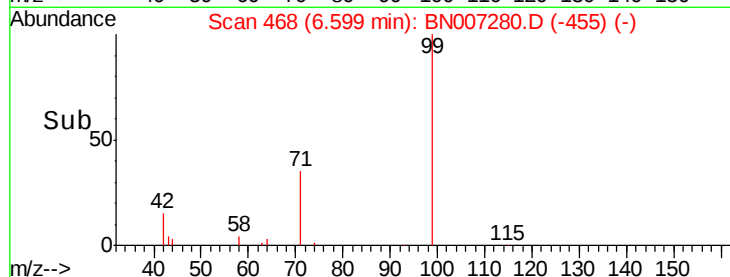
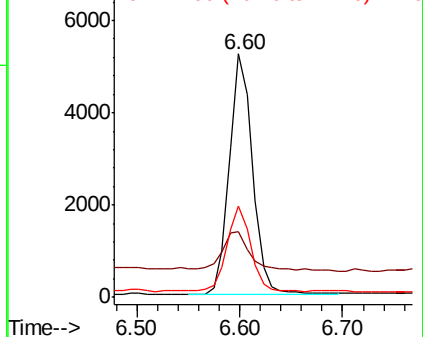
71 36.7 27.3 40.9



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: BN007280.D

Acq: 21 Aug 2019 05:27

Tgt Ion: 136 Resp: 22018

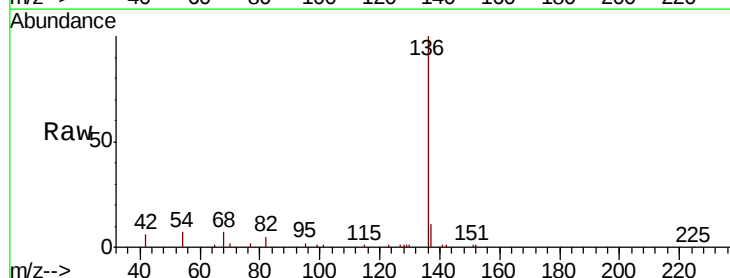
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 7.3 5.9 8.9

68 6.6 5.6 8.4

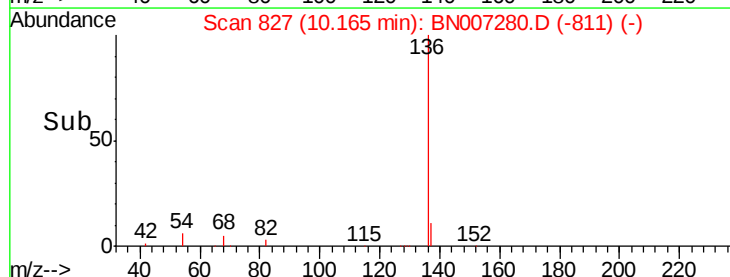
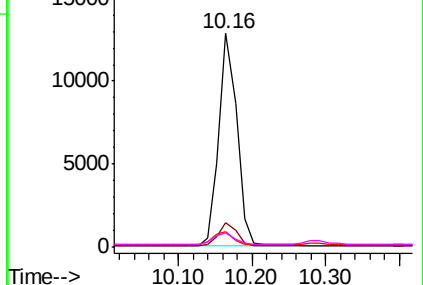


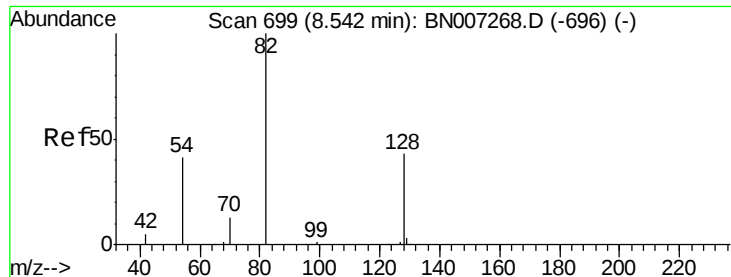
Abundance Ion 136.00 (135.70 to 136.70): BN007268.D (-820) (-)

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: 0.356 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampled :

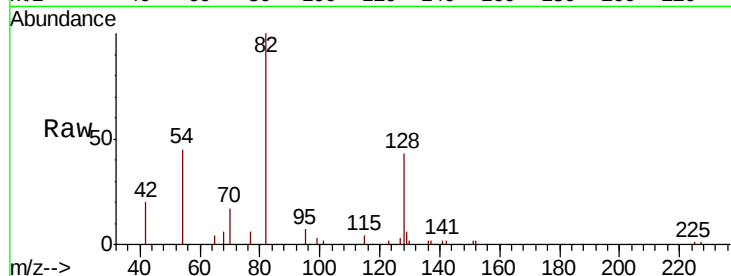
Tot Ion: 82 Resp: 6022

Ion Ratio Lower Upper

82 100

128 43.5 35.8 53.6

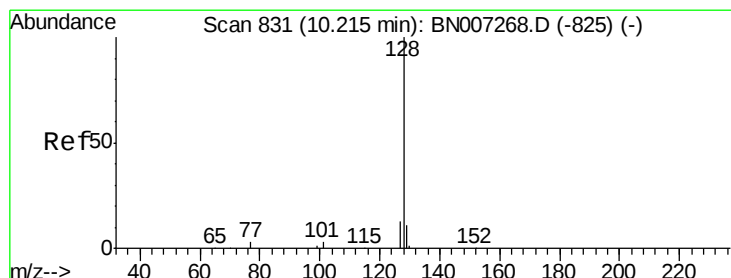
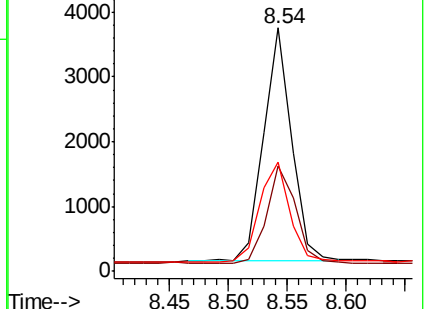
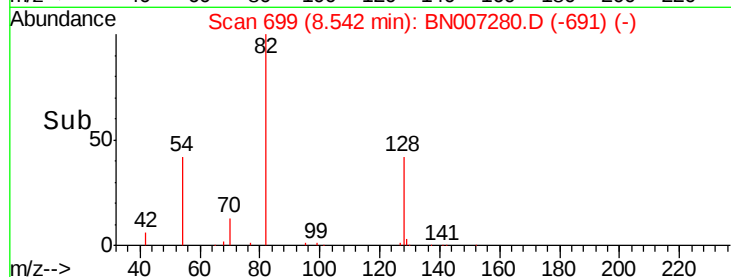
54 44.8 34.7 52.1



Abundance Ion 82.00 (81.70 to 82.70): BN007280.D (-691) (-)

Ion 128.00 (127.70 to 128.70): BN007280.D (-691) (-)

Ion 54.00 (53.70 to 54.70): BN007280.D (-691) (-)



#9

Naphthalene

Concen: 0.030 ng

RT: 10.22 min Scan# 831

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

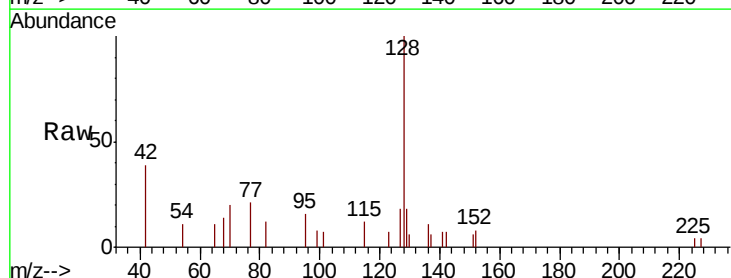
Tgt Ion: 128 Resp: 1882

Ion Ratio Lower Upper

128 100

129 18.2 9.1 13.7#

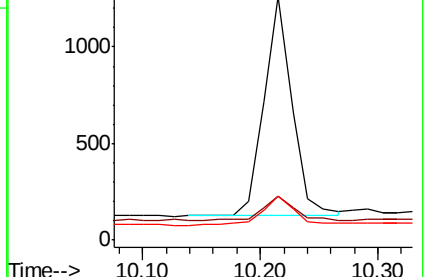
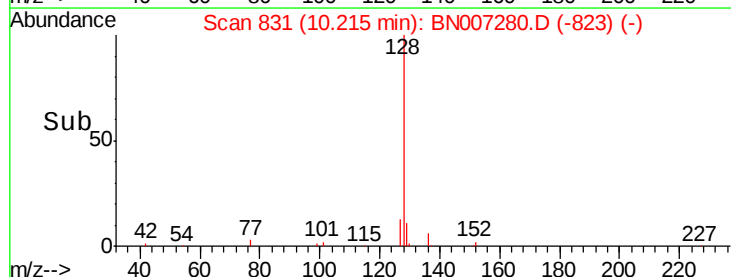
127 18.0 10.6 16.0#

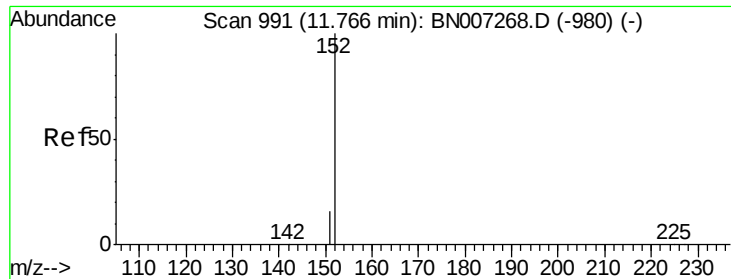


Abundance Ion 128.00 (127.70 to 128.70): BN007280.D (-823) (-)

Ion 129.00 (128.70 to 129.70): BN007280.D (-823) (-)

Ion 127.00 (126.70 to 127.70): BN007280.D (-823) (-)

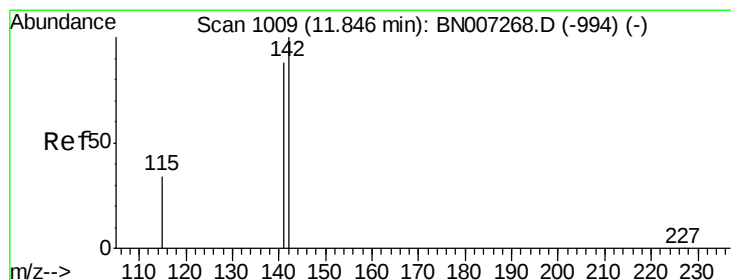
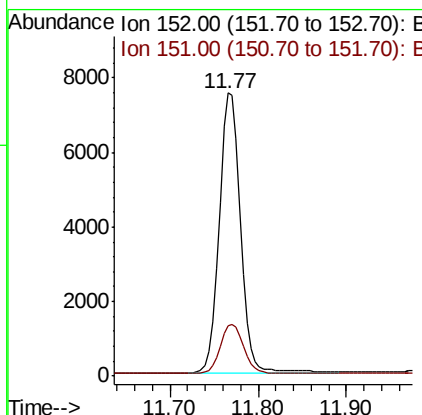
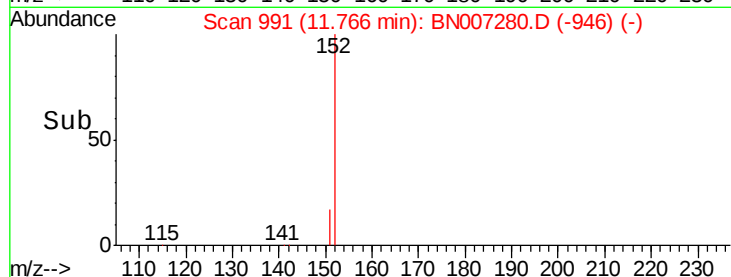
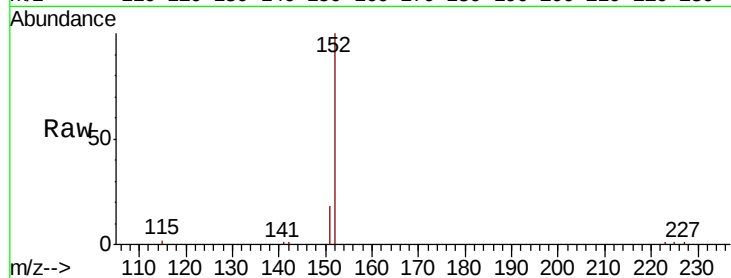




#11
 2-Methylnaphthalene-d10
 Concen: 0.338 ng
 RT: 11.77 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

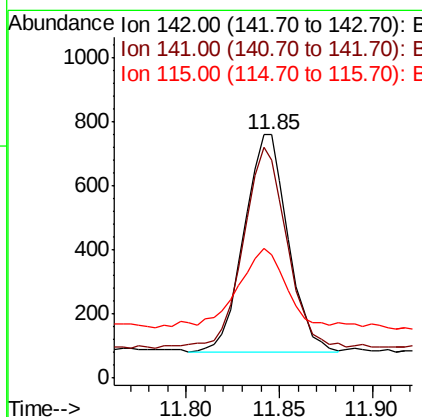
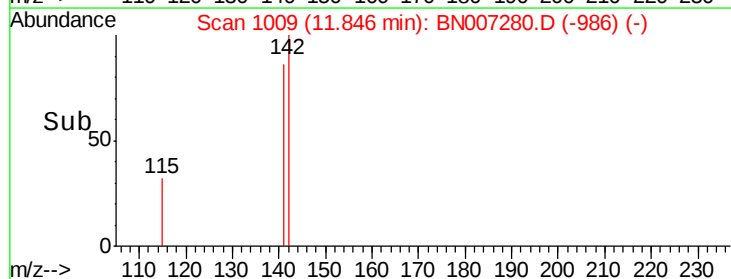
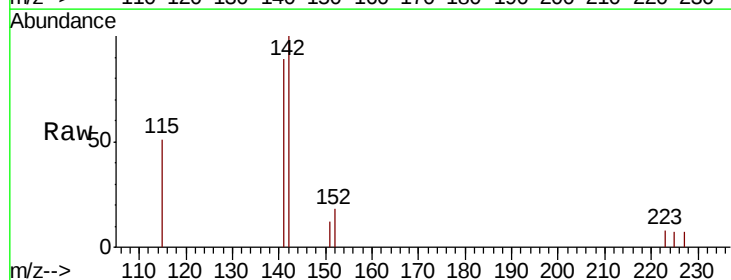
Instrument :
 BNA_N
 ClientSampleId :

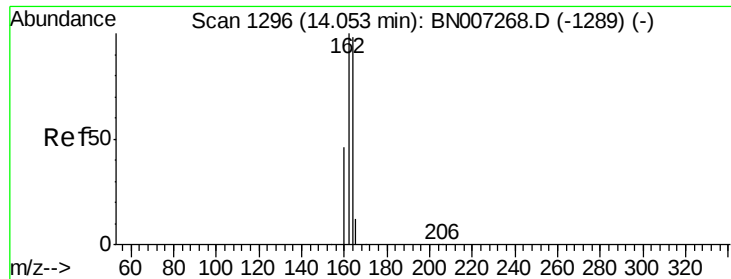
Tot Ion:152 Resp: 12860
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.026 ng
 RT: 11.85 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Tgt Ion:142 Resp: 1112
 Ion Ratio Lower Upper
 142 100
 141 89.5 70.7 106.1
 115 50.9 28.1 42.1#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampleId :

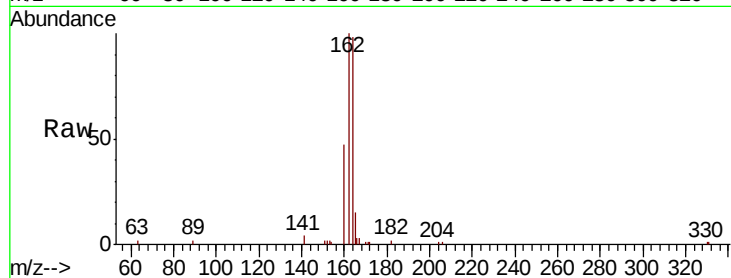
Tot Ion:164 Resp: 13069

Ion Ratio Lower Upper

164 100

162 102.4 82.0 123.0

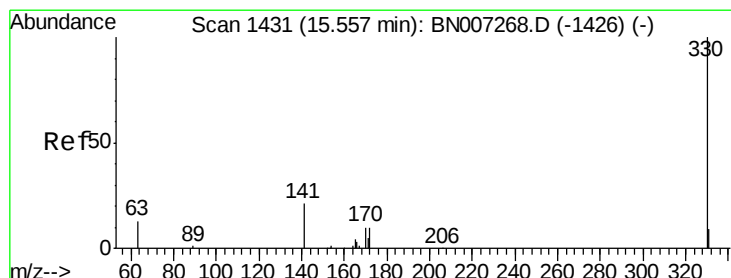
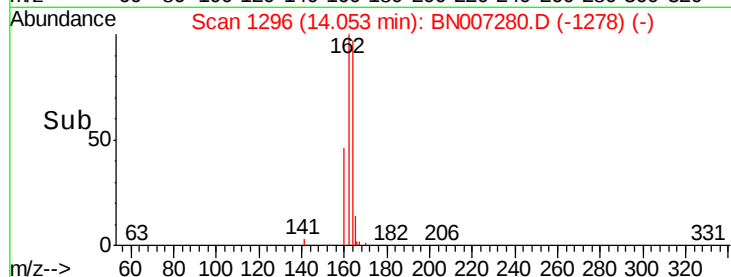
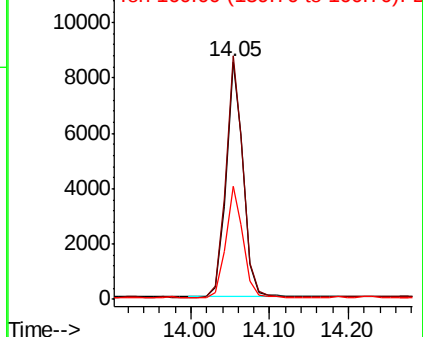
160 47.6 38.2 57.4



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: 0.269 ng

RT: 15.56 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

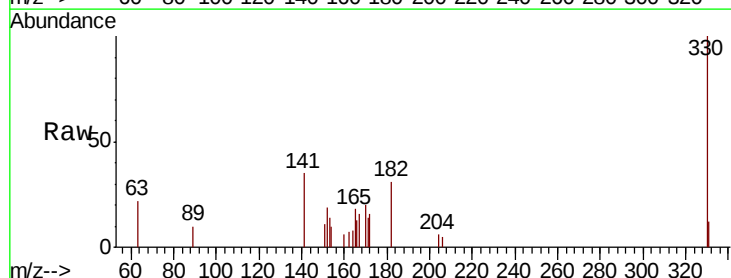
Tgt Ion:330 Resp: 1977

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

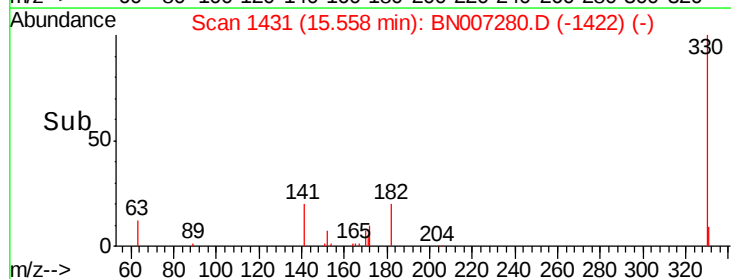
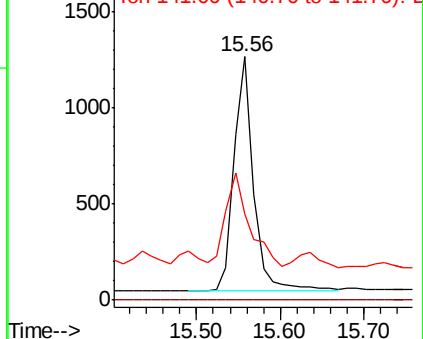
141 46.7 30.3 45.5#

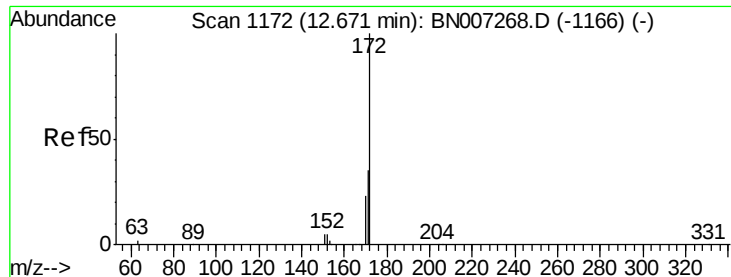


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

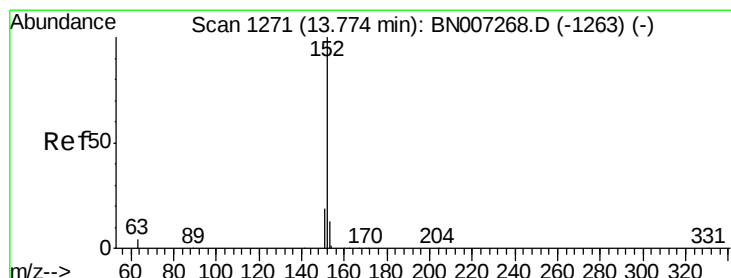
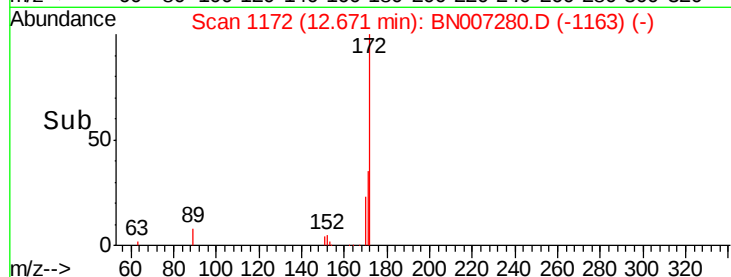
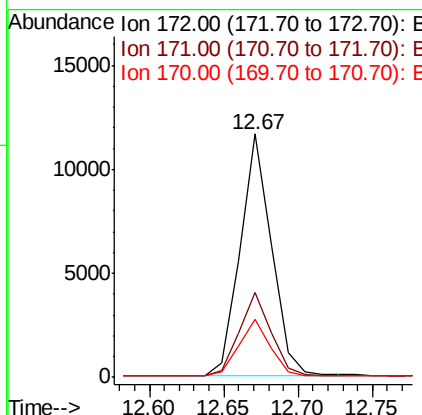
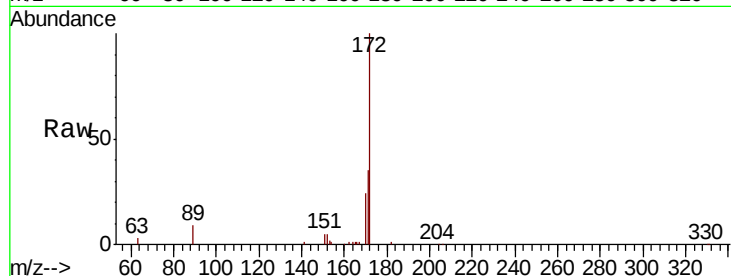




#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

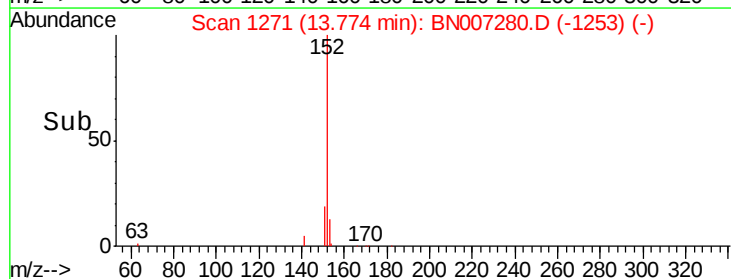
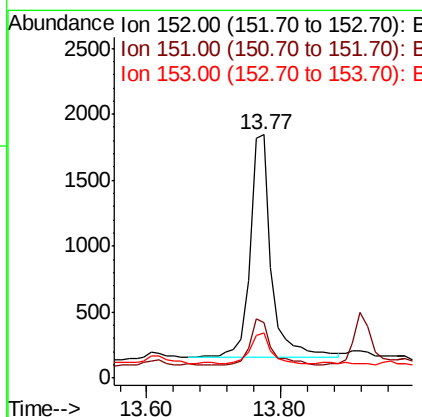
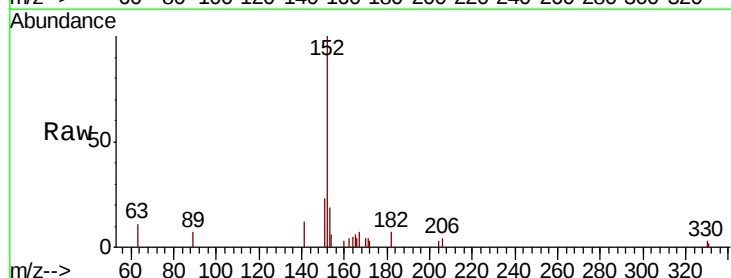
Instrument :
BNA_N
ClientSampleId :

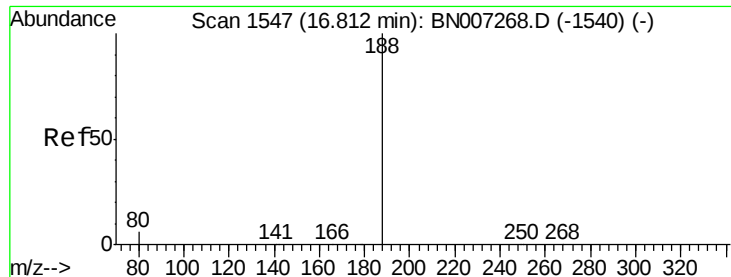
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.6	18.7	28.1



#16
Acenaphthylene
Concen: 0.054 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.4	23.2
153	13.8	10.1	15.1

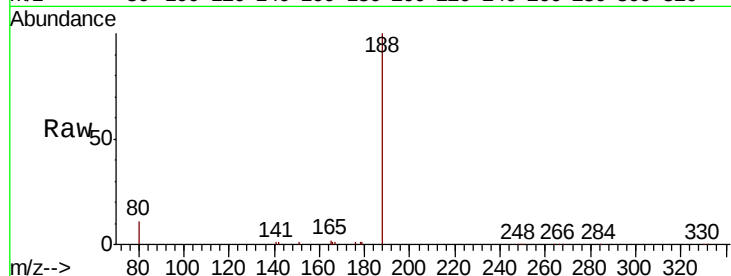




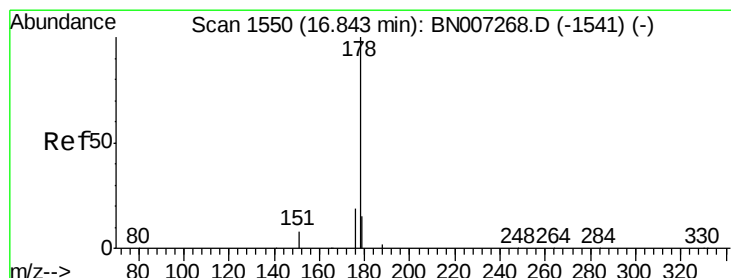
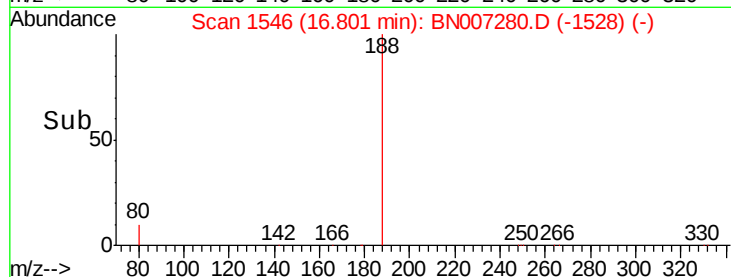
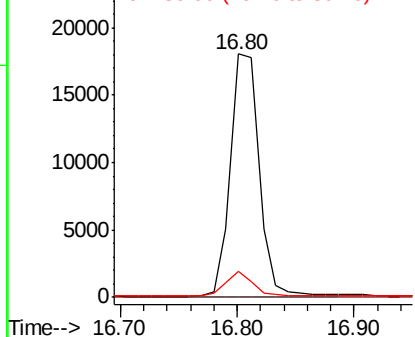
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:188 Resp: 30507
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 5.2 7.8#

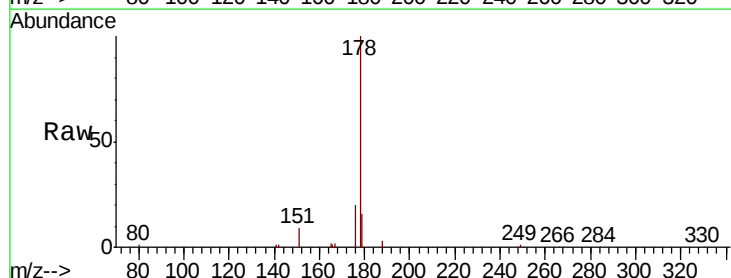


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

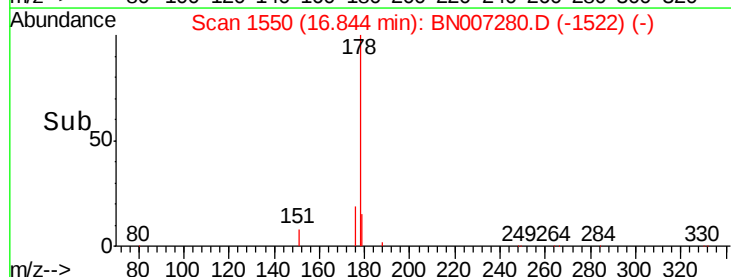
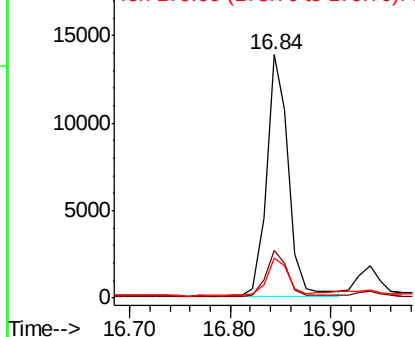


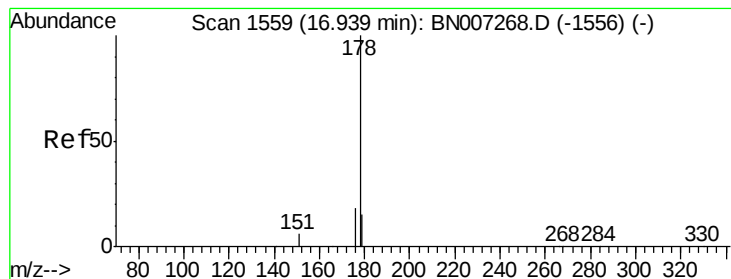
#23
Phenanthrene
Concen: 0.220 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:178 Resp: 21025
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.6 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





#24

Anthracene

Concen: 0.027 ng

RT: 16.94 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampled :

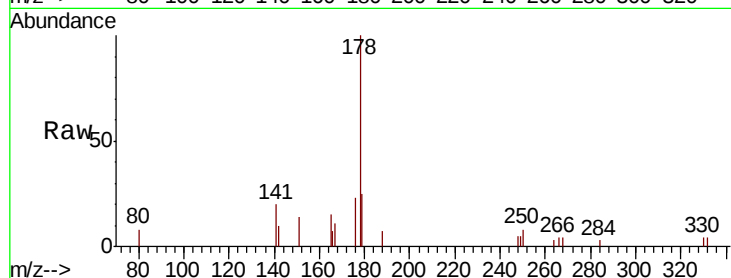
Tot Ion:178 Resp: 2333

Ion Ratio Lower Upper

178 100

176 19.1 14.3 21.5

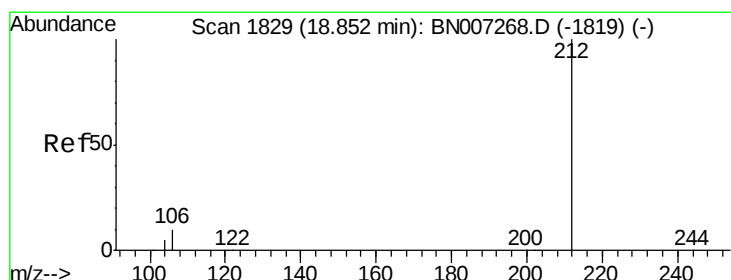
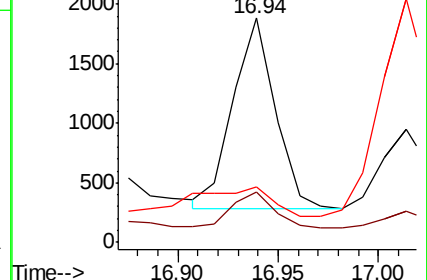
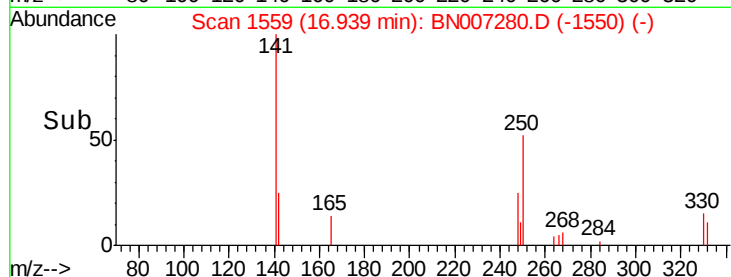
179 28.0 12.3 18.5#



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: 0.254 ng

RT: 18.85 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

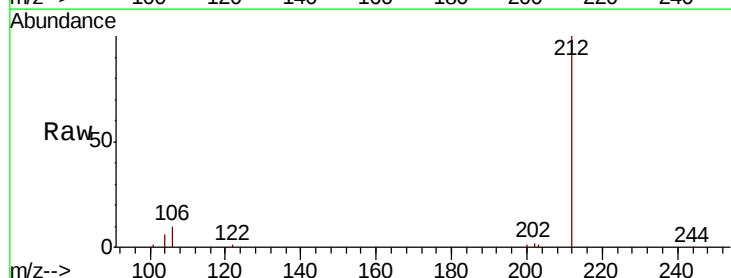
Tgt Ion:212 Resp: 24547

Ion Ratio Lower Upper

212 100

106 10.6 8.2 12.4

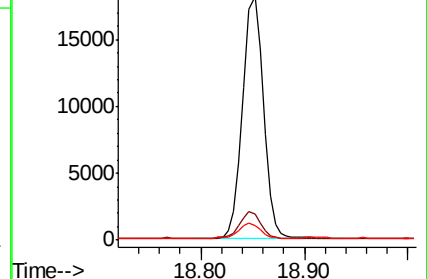
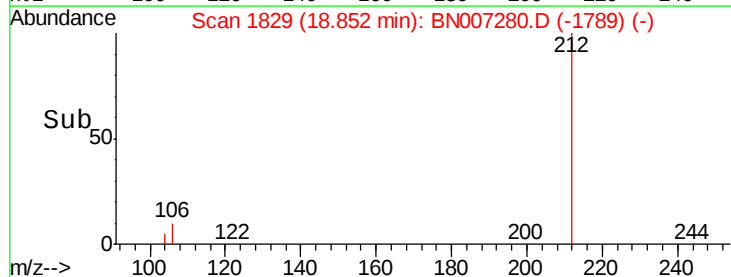
104 6.2 4.7 7.1

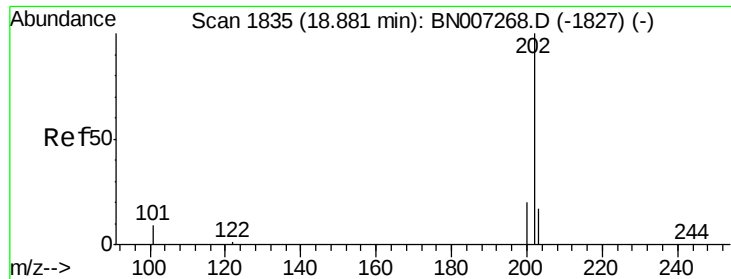


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.353 ng

RT: 18.88 min Scan# 1835

Delta R.T. 0.00 min

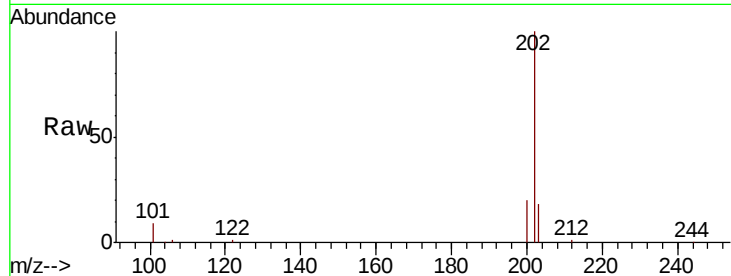
Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampleId :



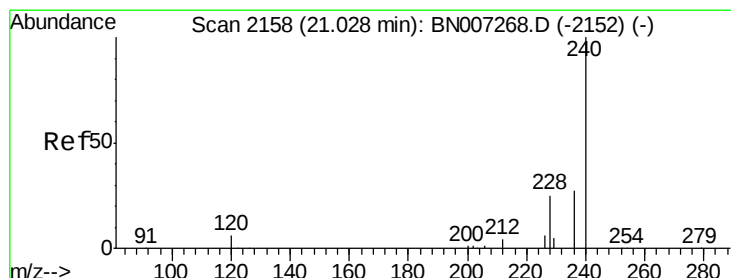
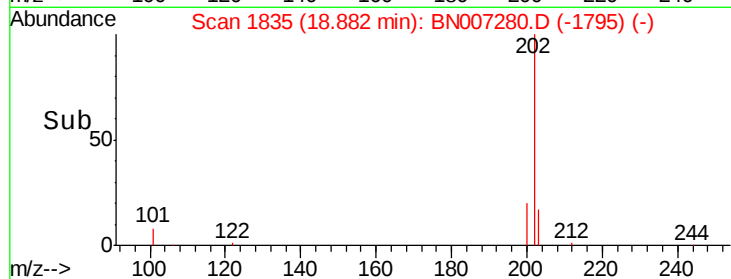
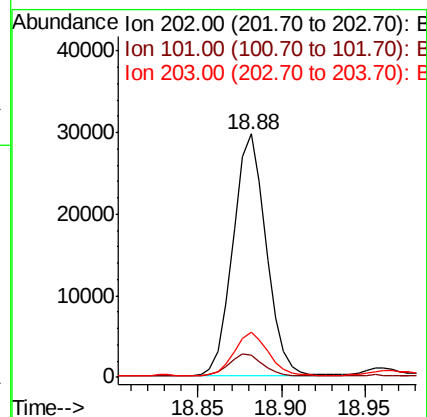
Tot Ion:202 Resp: 40926

Ion Ratio Lower Upper

202 100

101 9.3 7.2 10.8

203 18.2 13.8 20.6



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

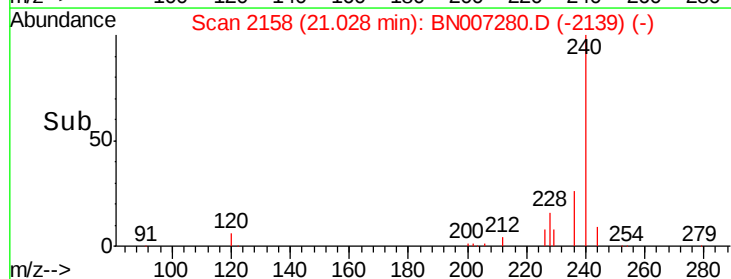
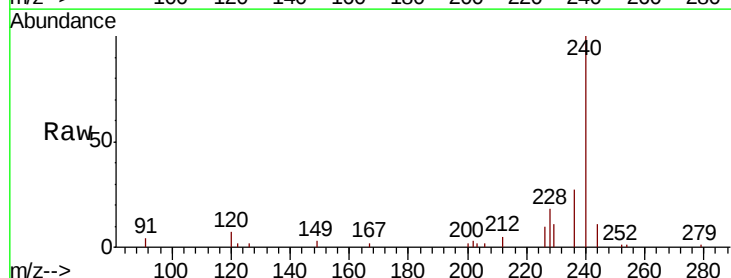
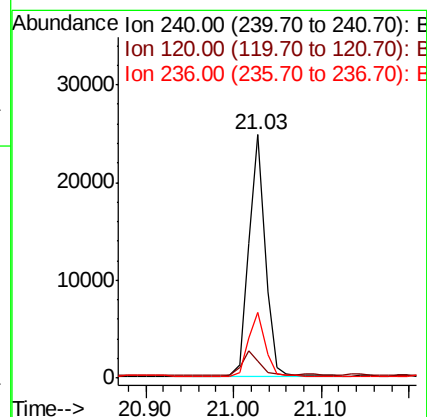
Tgt Ion:240 Resp: 31638

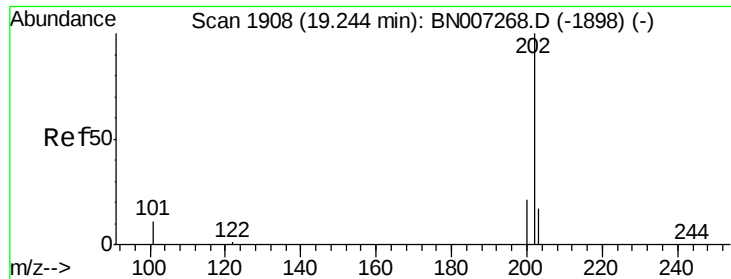
Ion Ratio Lower Upper

240 100

120 7.1 5.6 8.4

236 26.8 21.6 32.4

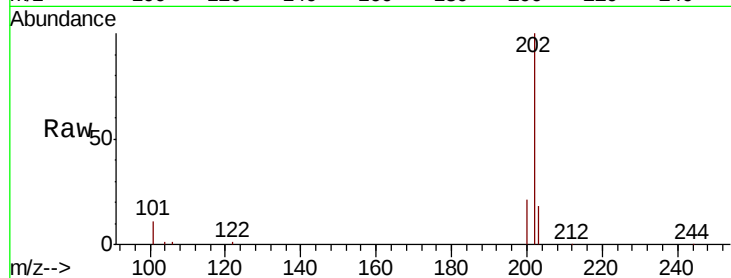




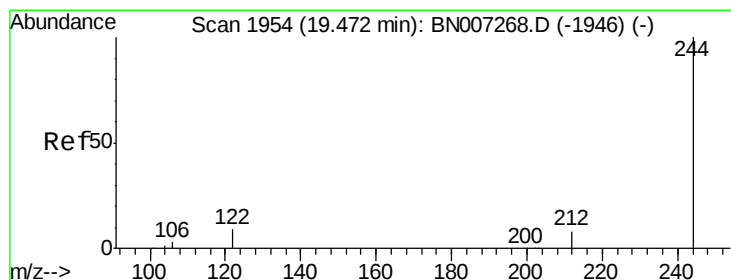
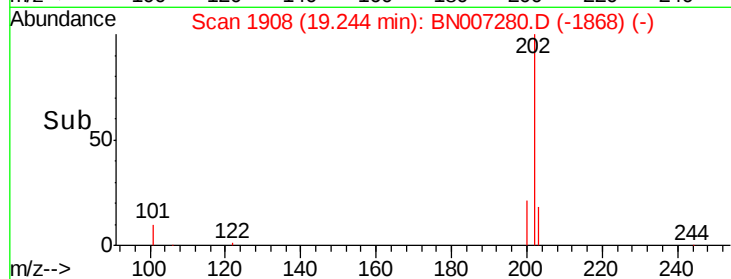
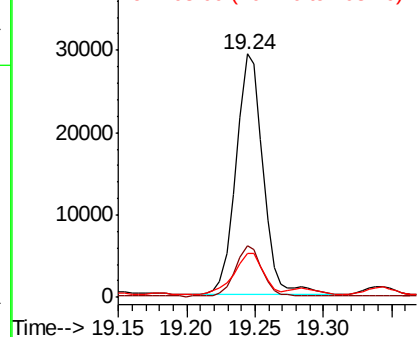
#28
Pvrene
Concen: 0.342 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 40460
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 19.0 13.9 20.9

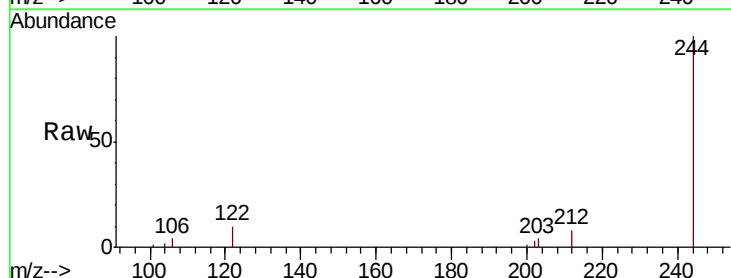


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

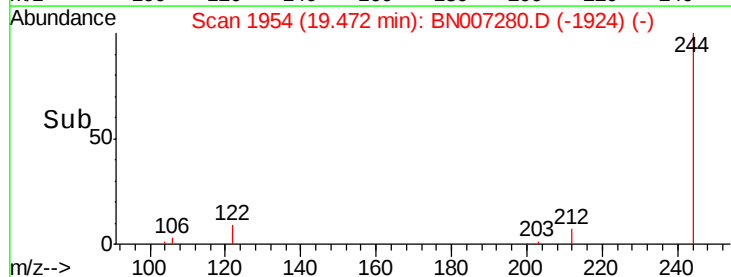
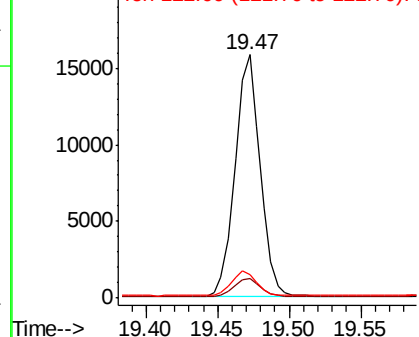


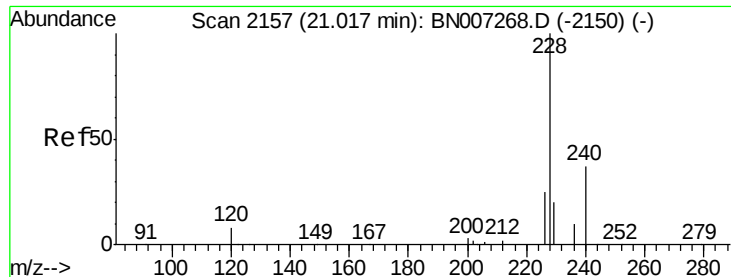
#29
Terphenyl-d14
Concen: 0.244 ng
RT: 19.47 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:244 Resp: 19344
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 9.7 7.9 11.9



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

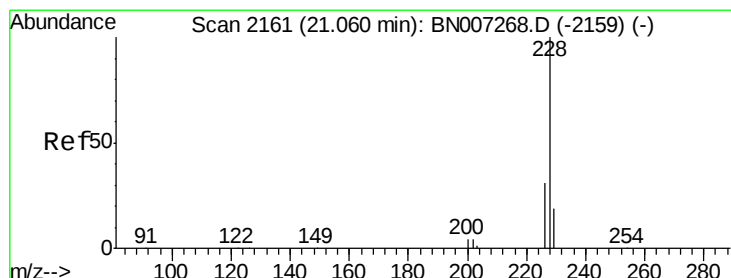
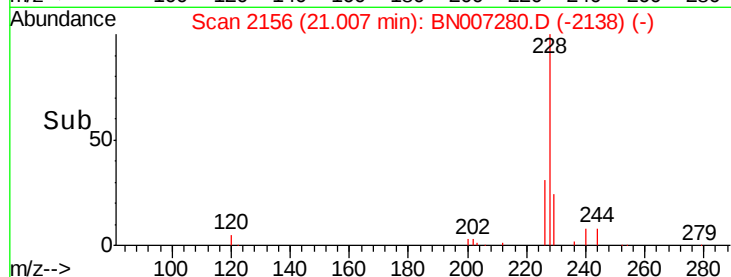
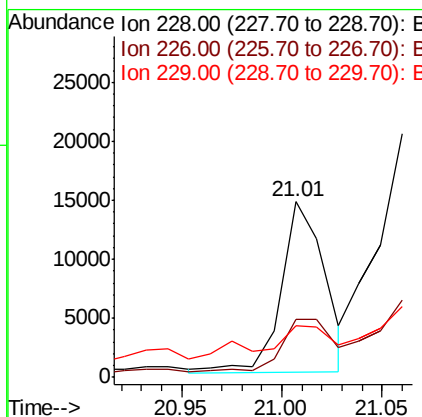
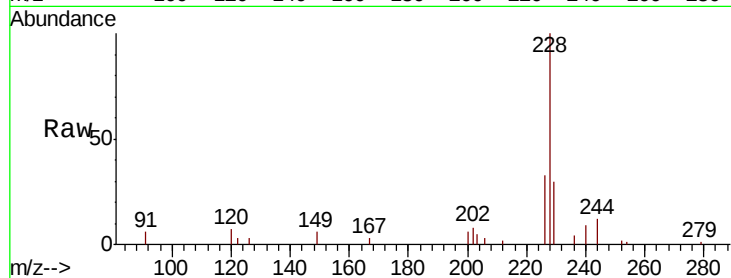




#30
Benzo(a)anthracene
Concen: 0.187 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

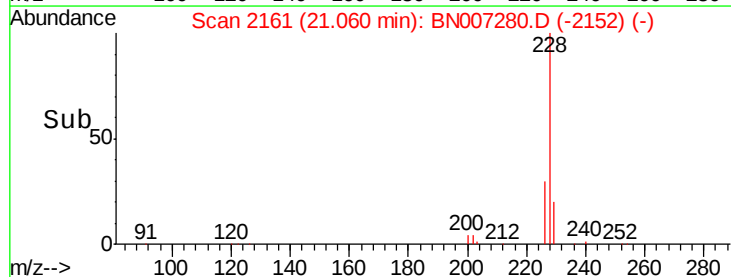
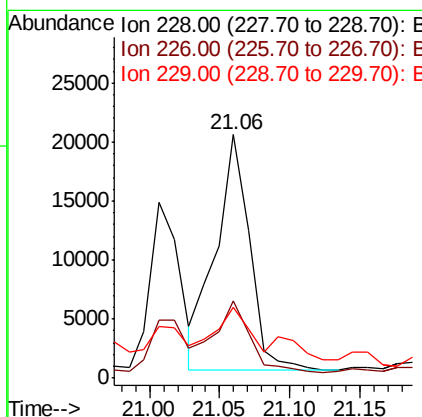
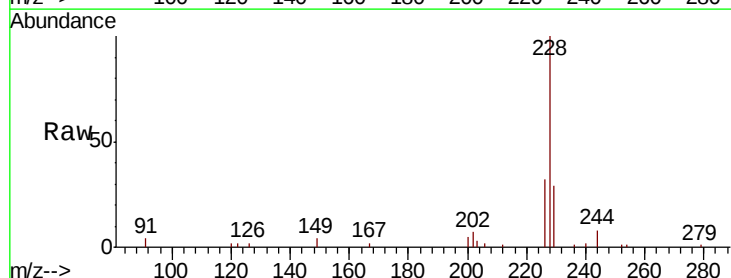
Instrument :
BNA_N
ClientSampleId :

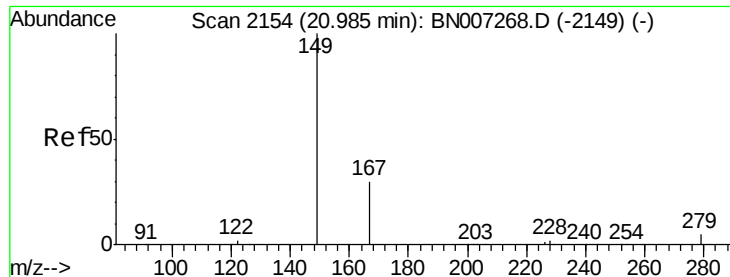
Tot Ion:228 Resp: 22029
Ion Ratio Lower Upper
228 100
226 33.1 20.6 30.8#
229 29.5 16.9 25.3#



#31
Chrysene
Concen: 0.281 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:228 Resp: 33746
Ion Ratio Lower Upper
228 100
226 31.7 24.6 36.8
229 29.0 15.6 23.4#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.165 ng

RT: 20.97 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampleId :

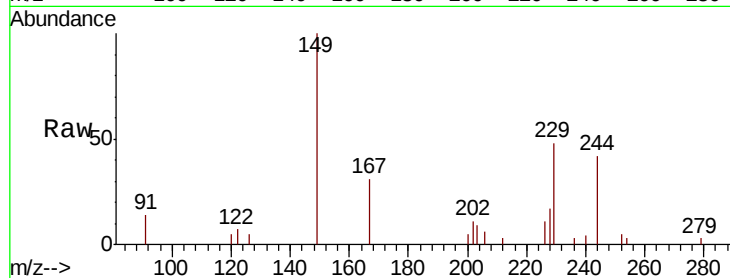
Tot Ion:149 Resp: 7756

Ion Ratio Lower Upper

149 100

167 31.1 23.8 35.6

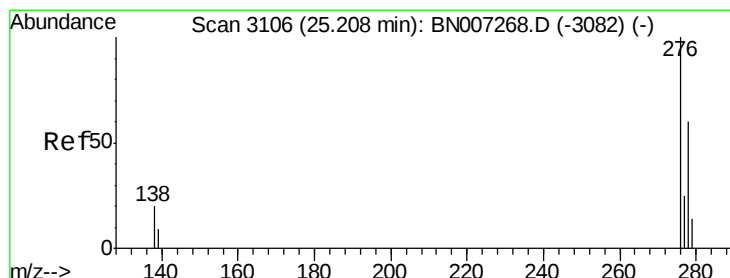
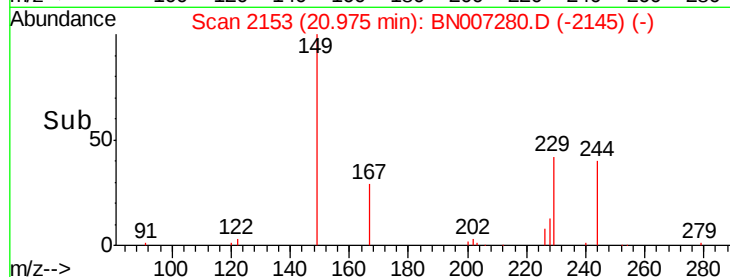
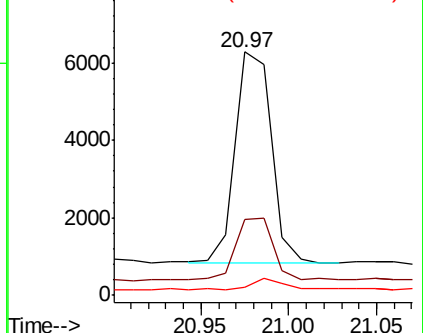
279 4.5 3.8 5.8



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.105 ng

RT: 25.20 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

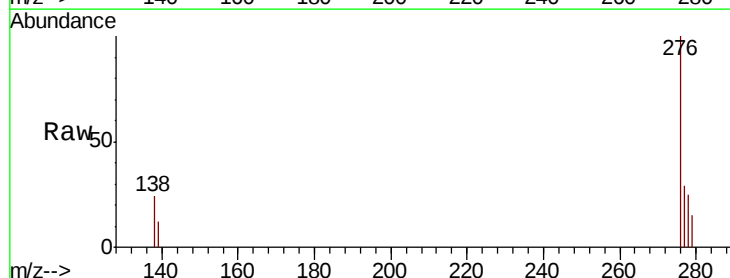
Tgt Ion:276 Resp: 15122

Ion Ratio Lower Upper

276 100

138 20.7 17.1 25.7

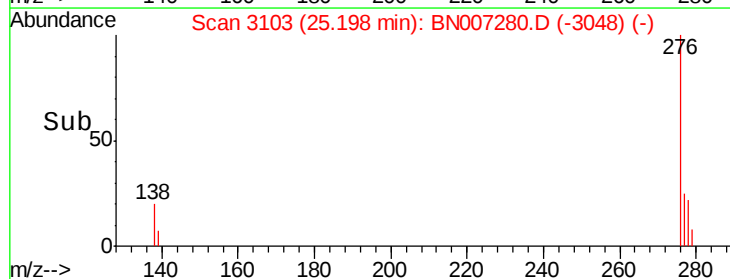
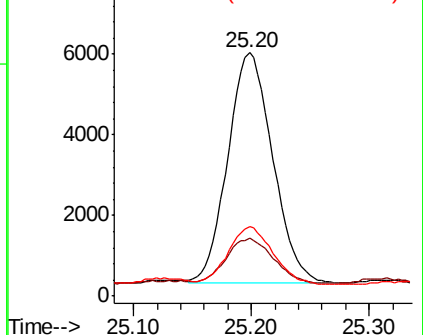
277 25.3 20.1 30.1

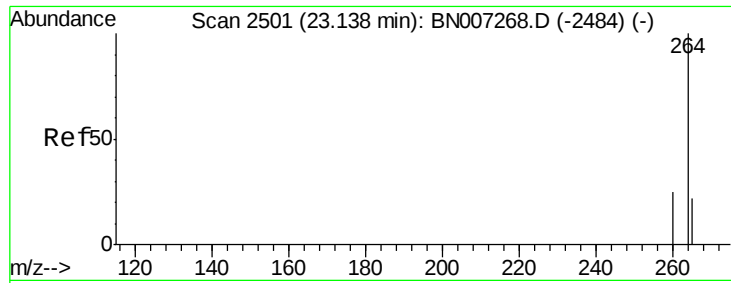


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

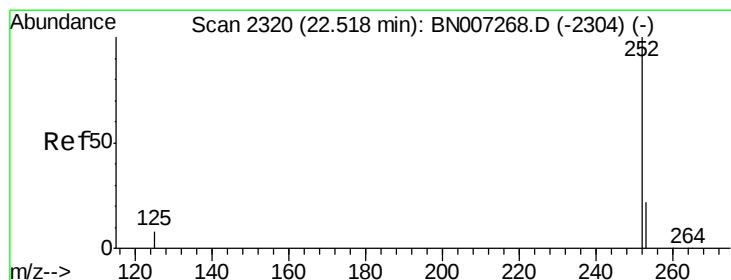
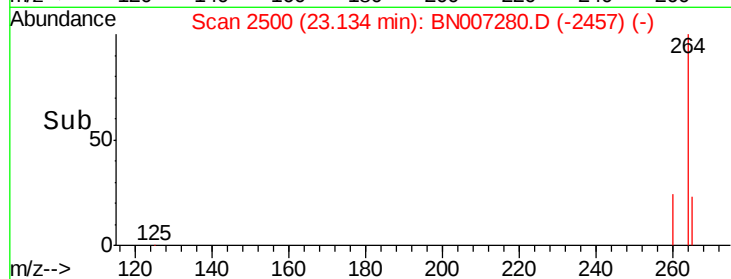
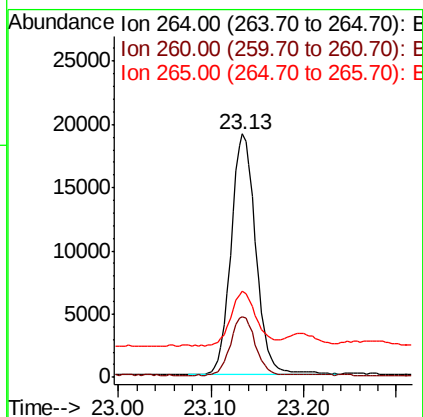
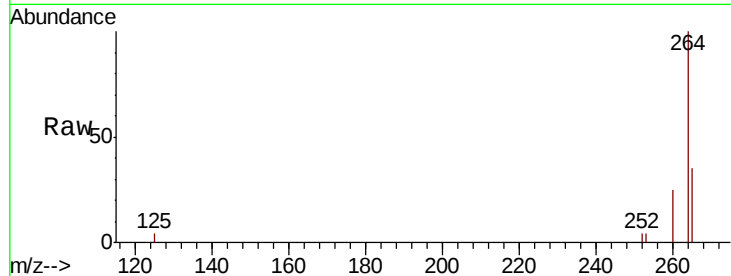




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

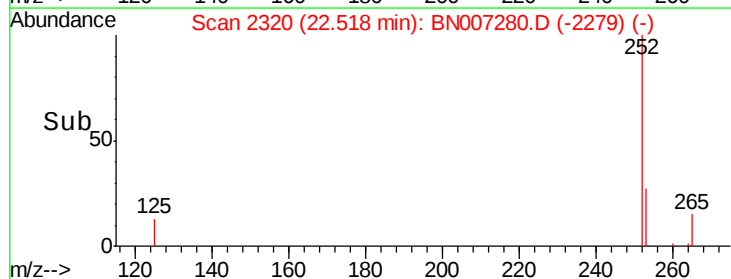
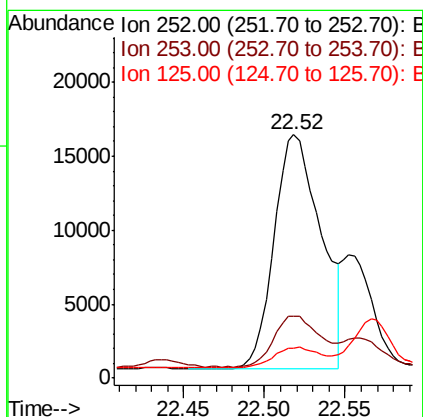
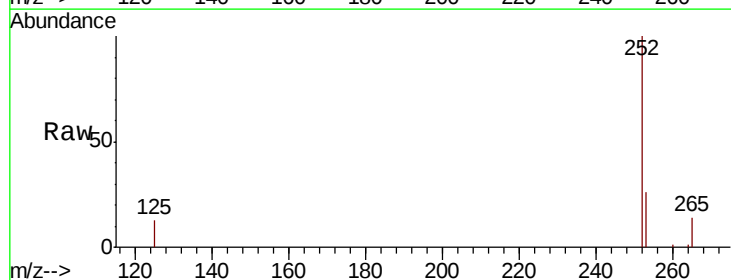
Instrument :
BNA_N
ClientSampleId :

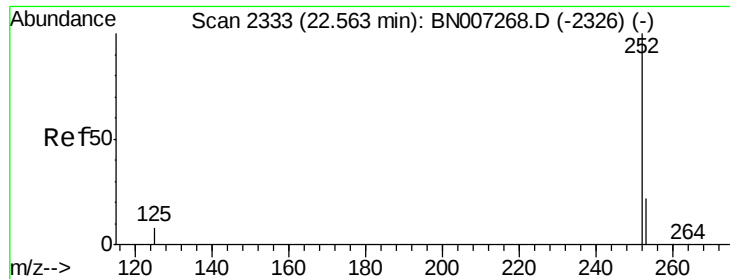
Tot Ion:264 Resp: 35714
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 35.2 29.0 43.6



#35
Benzo(b)fluoranthene
Concen: 0.241 ng
RT: 22.52 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:252 Resp: 32104
Ion Ratio Lower Upper
252 100
253 25.6 18.5 27.7
125 12.5 7.8 11.6#





#36

Benzo(k)fluoranthene

Concen: 0.246 ng

RT: 22.52 min Scan# 2320

Delta R.T. -0.04 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

ClientSampleId :

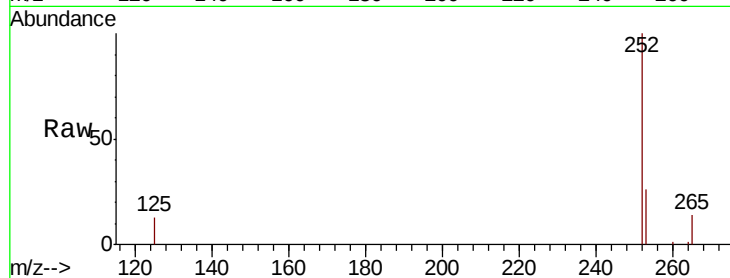
Tot Ion:252 Resp: 32104

Ion Ratio Lower Upper

252 100

253 25.6 18.4 27.6

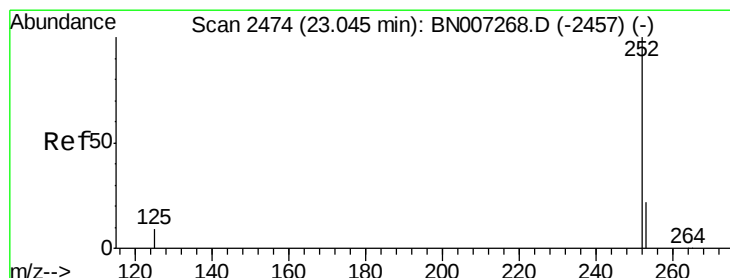
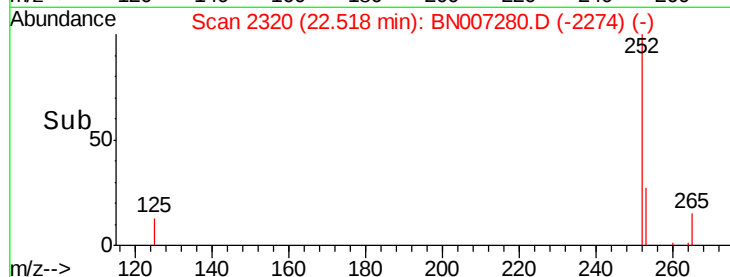
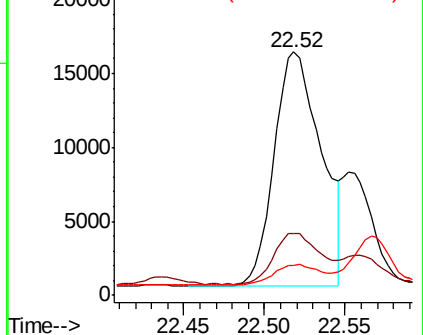
125 12.5 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.160 ng

RT: 23.05 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

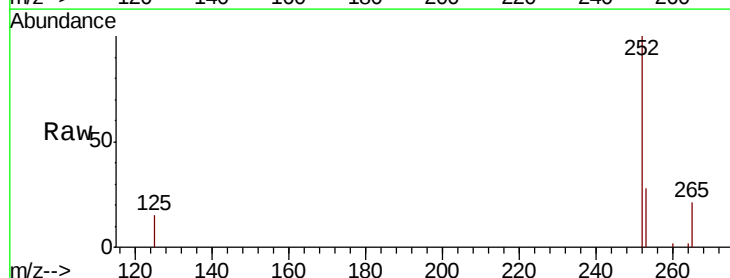
Tgt Ion:252 Resp: 19146

Ion Ratio Lower Upper

252 100

253 28.1 18.7 28.1#

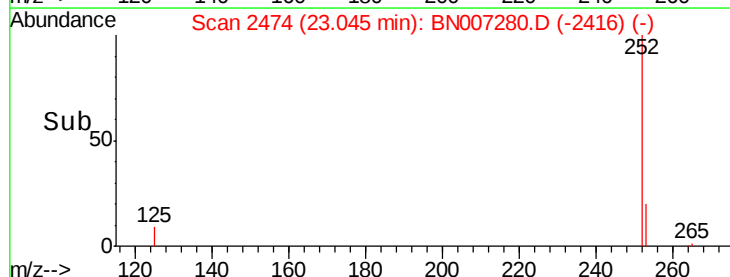
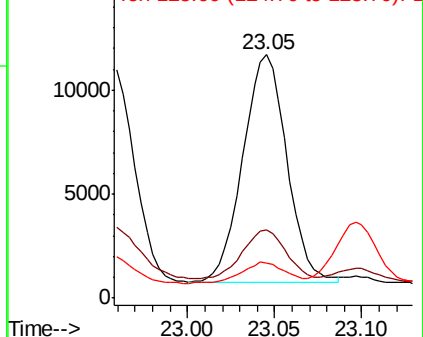
125 14.6 8.7 13.1#

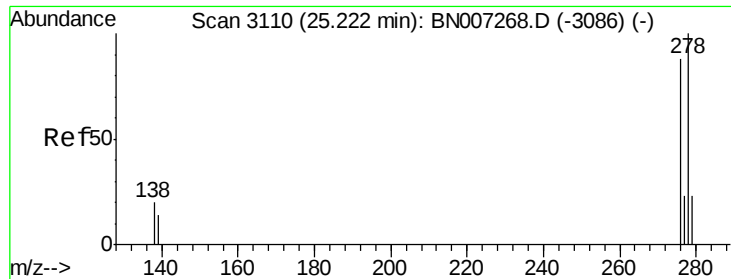


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

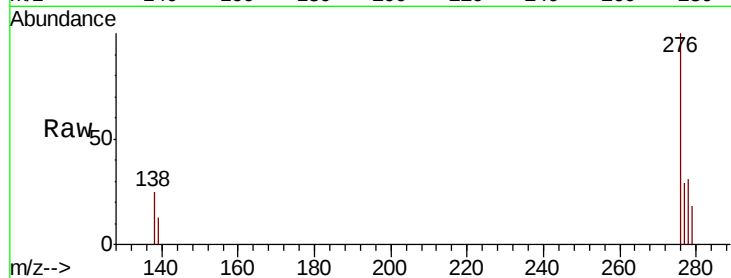




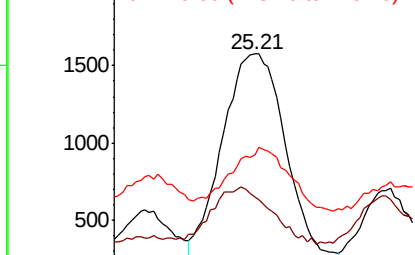
#38
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 25.21 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :

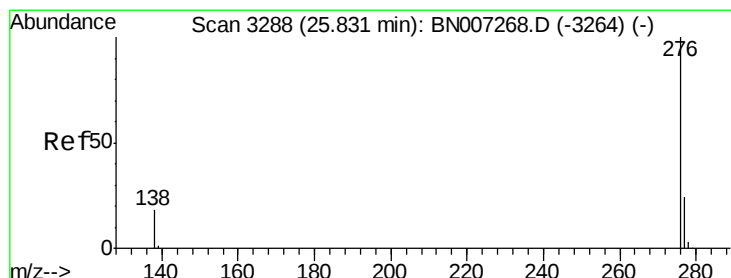
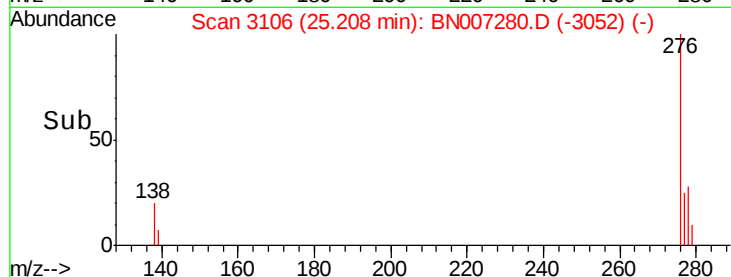
Tot Ion:278 Resp: 4524
Ion Ratio Lower Upper
278 100
139 41.3 11.8 17.8#
279 58.6 19.8 29.6#



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

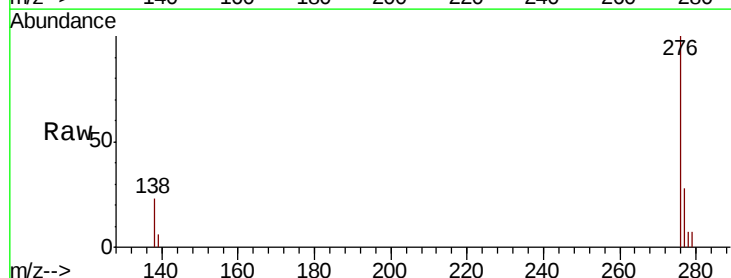


Time--> 25.10 25.20 25.30

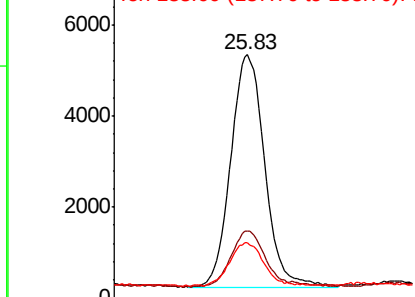


#39
Benzo(g,h,i)perylene
Concen: 0.123 ng
RT: 25.83 min Scan# 3287
Delta R.T. -0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion:276 Resp: 15701
Ion Ratio Lower Upper
276 100
277 27.6 19.5 29.3
138 22.6 15.3 22.9



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



Time--> 25.70 25.80 25.90 26.00

