

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
 Data File : BN010334.D
 Acq On : 24 Mar 2020 19:51
 Operator : CG/JU
 Sample : L1997-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D2-20200316

Quant Time: Mar 25 01:48:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	5152	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	18118	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	10723	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	25623	0.40	ng	0.00
27) Chrysene-d12	21.19	240	26712	0.40	ng	0.00
34) Perylene-d12	23.35	264	28209	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1395	0.14	ng	0.00
5) Phenol-d6	6.80	99	1089	0.09	ng	0.00
8) Nitrobenzene-d5	8.74	82	5625	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7410	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1099	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	22263	0.54	ng	-0.01
25) Fluoranthene-d10	19.02	212	21222	0.27	ng	0.00
29) Terphenyl-d14	19.63	244	29045	0.50	ng	0.00

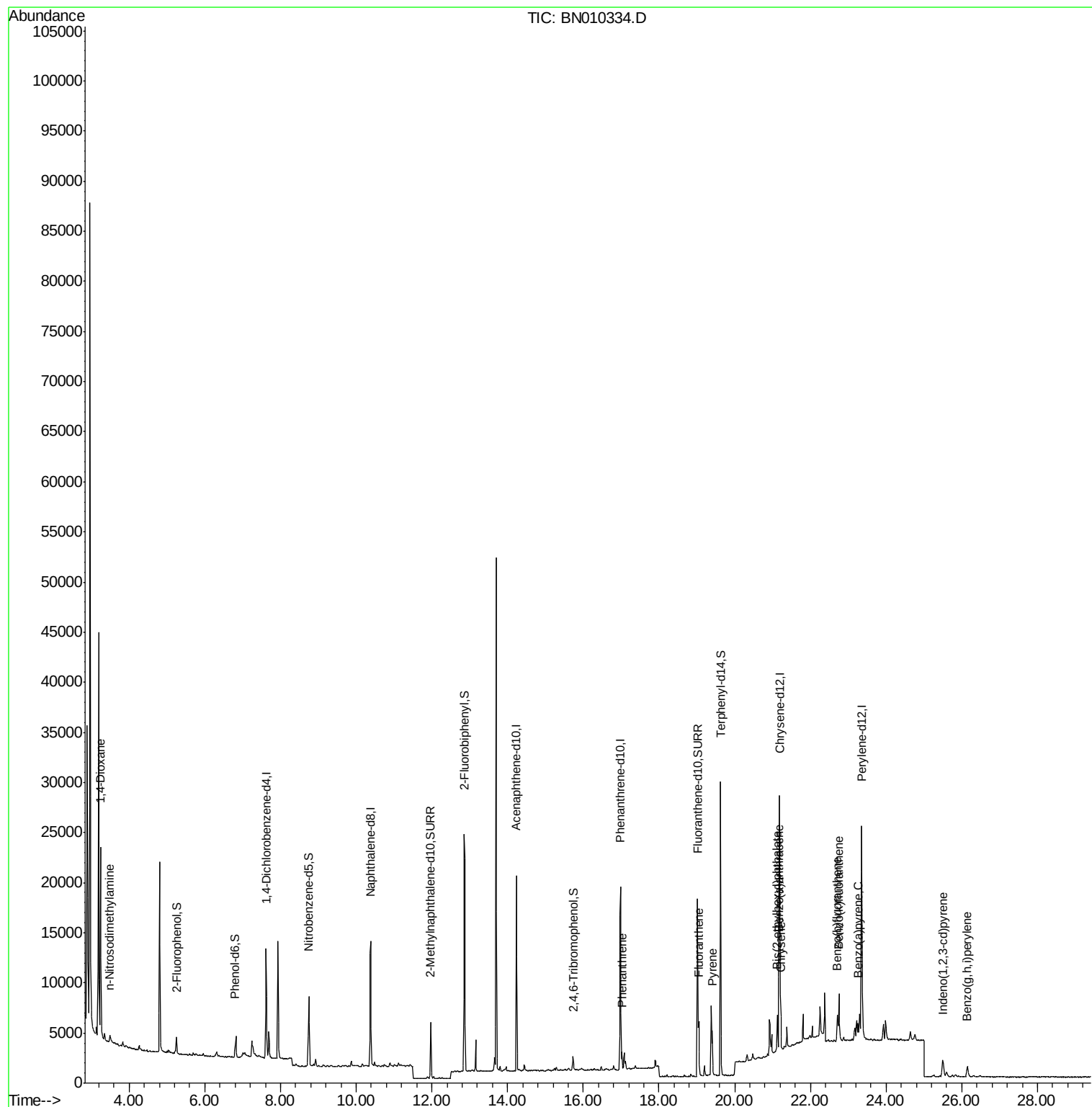
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	12866	2.659	ng	97
3) n-Nitrosodimethylamine	3.49	42	270	0.066	ng	# 1
23) Phenanthrene	17.02	178	1851	0.026	ng	# 93
26) Fluoranthene	19.05	202	4564	0.053	ng	# 97
28) Pyrene	19.41	202	4125	0.050	ng	96
30) Benzo(a)anthracene	21.16	228	2567	0.030	ng	91
31) Chrysene	21.22	228	2798	0.031	ng	96
32) Bis(2-ethylhexyl)phthalate	21.12	149	3494	0.122	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	2557	0.026	ng	98
35) Benzo(b)fluoranthene	22.71	252	3886	0.041	ng	# 60
36) Benzo(k)fluoranthene	22.75	252	2611	0.027	ng	# 1
37) Benzo(a)pyrene	23.26	252	2381	0.029	ng	# 40
39) Benzo(a,h,i)perylene	26.15	276	2233	0.025	ng	# 82

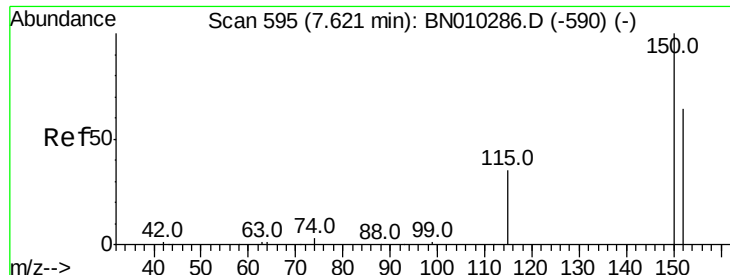
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

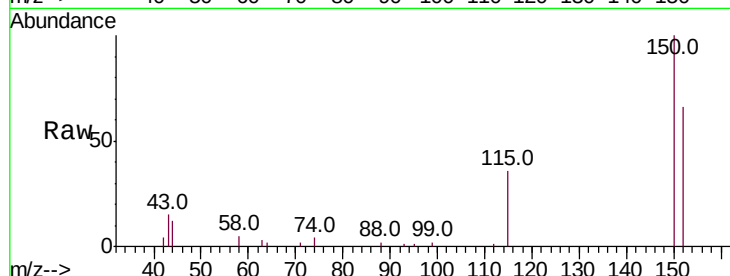
Tot Ion:152 Resp: 5152

Ion Ratio Lower Upper

152 100

150 152.2 123.1 184.7

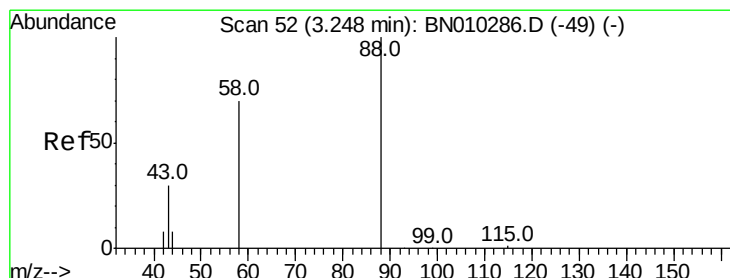
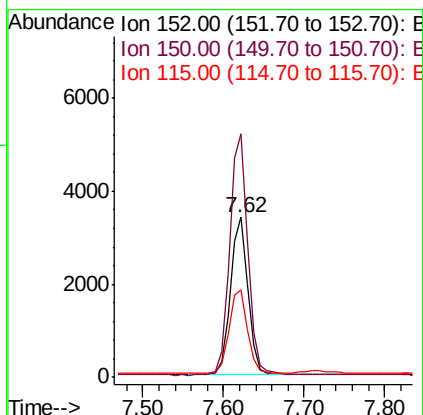
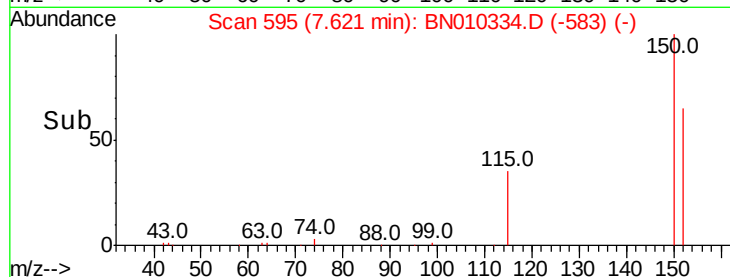
115 55.0 45.2 67.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.659 ng

RT: 3.25 min Scan# 52

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

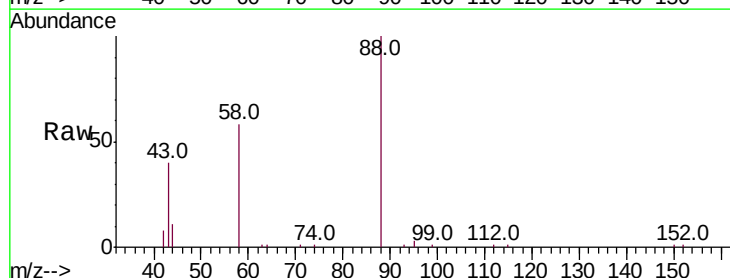
Tgt Ion: 88 Resp: 12866

Ion Ratio Lower Upper

88 100

58 62.8 51.7 77.5

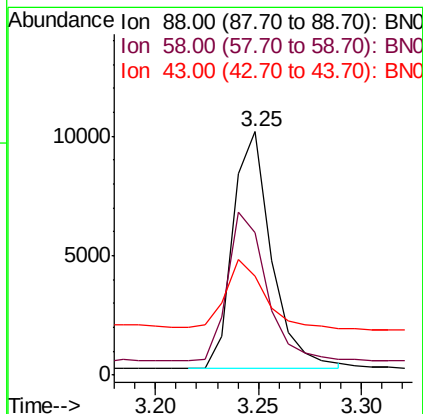
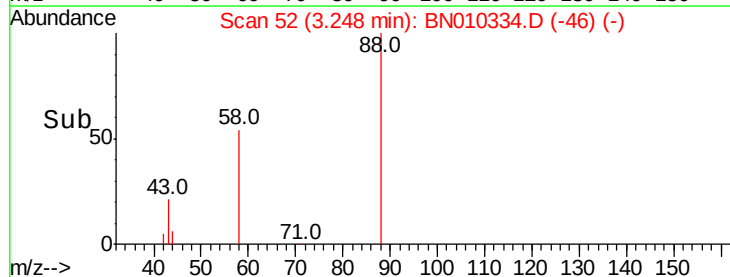
43 28.4 21.2 31.8

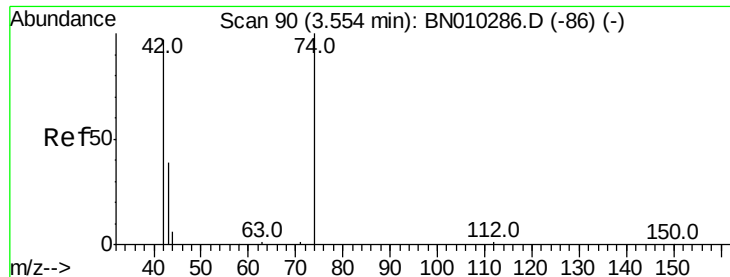


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.066 ng

RT: 3.49 min Scan# 82

Delta R.T. -0.06 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

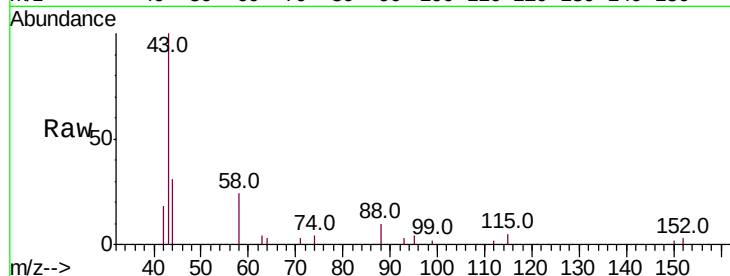
Tot Ion: 42 Resp: 270

Ion Ratio Lower Upper

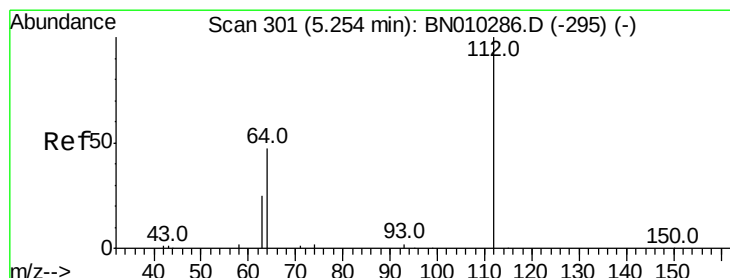
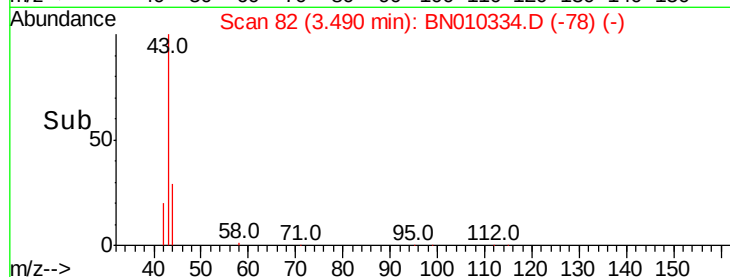
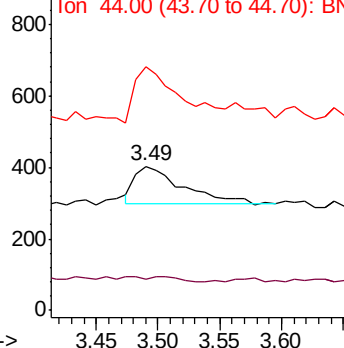
42 100

74 8.1 99.4 149.0#

44 154.1 4.8 7.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.137 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

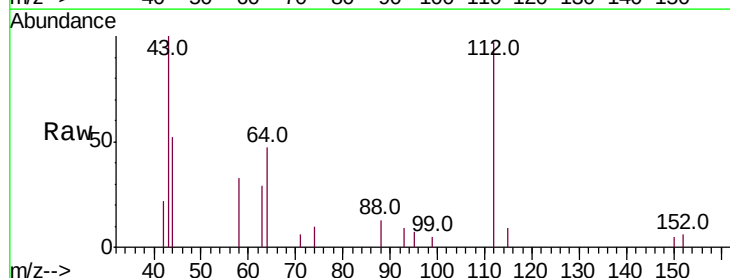
Tgt Ion: 112 Resp: 1395

Ion Ratio Lower Upper

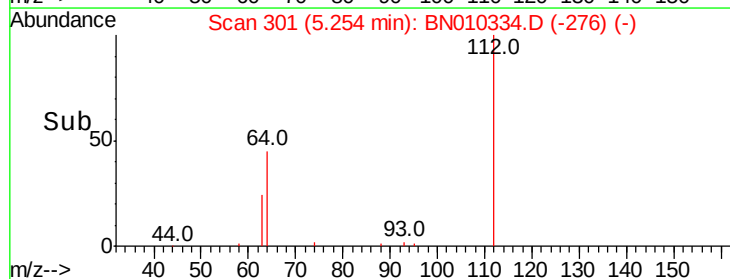
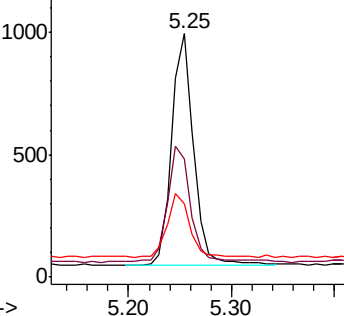
112 100

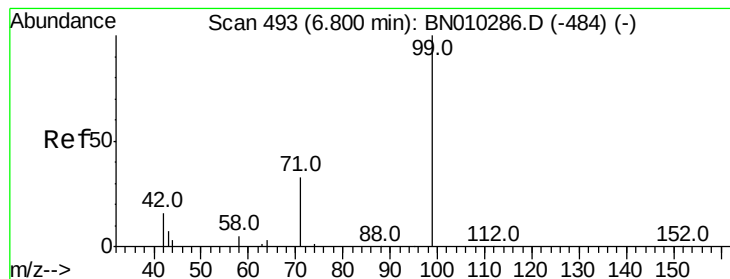
64 52.0 41.4 62.2

63 27.9 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.086 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

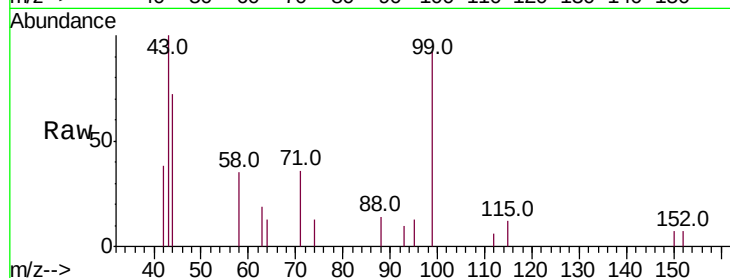
Tot Ion: 99 Resp: 1089

Ion Ratio Lower Upper

99 100

42 33.5 14.8 22.2#

71 37.3 27.3 40.9

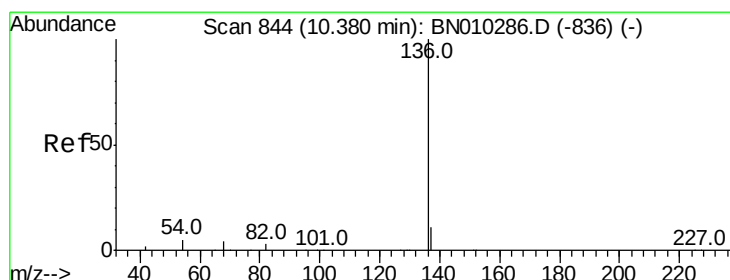
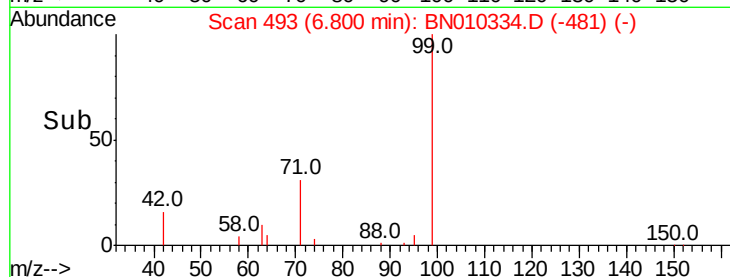


Abundance Ion 99.00 (98.70 to 99.70): BN010286.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010286.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010286.D (-484) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Tgt Ion: 136 Resp: 18118

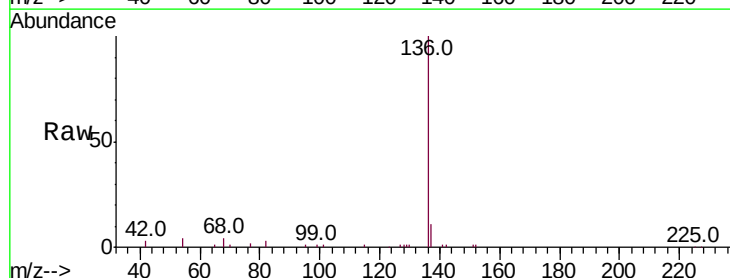
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 4.4 4.8 7.2#

68 4.0 4.1 6.1#



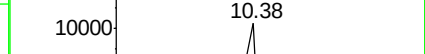
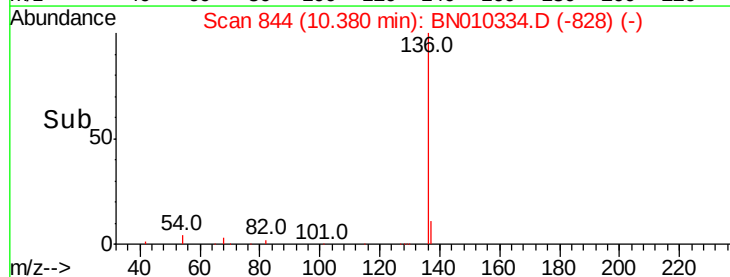
Abundance Ion 136.00 (135.70 to 136.70): BN010286.D (-836) (-)

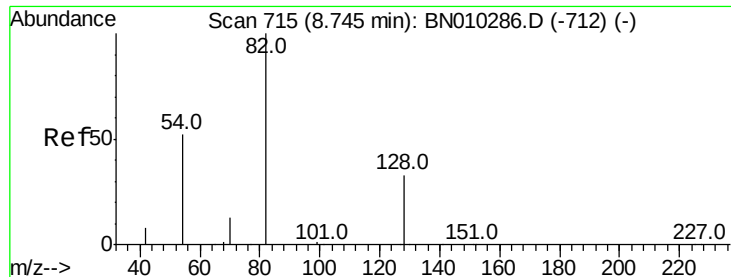
Ion 137.00 (136.70 to 137.70): BN010286.D (-836) (-)

Ion 54.00 (53.70 to 54.70): BN010286.D (-836) (-)

Ion 68.00 (67.70 to 68.70): BN010286.D (-836) (-)

Time-->

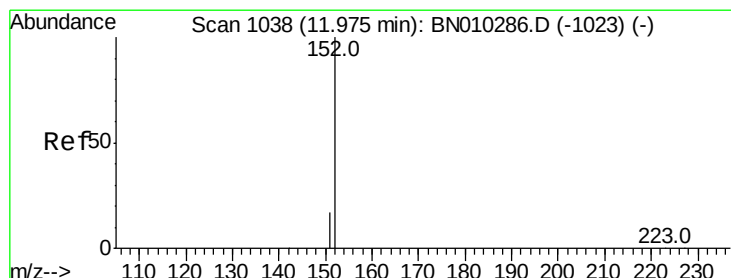
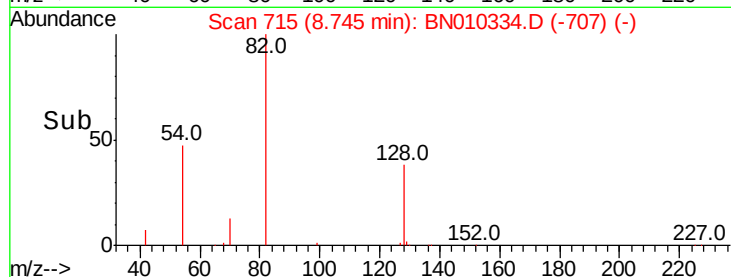
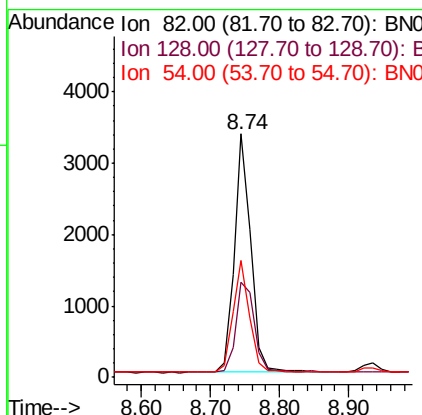
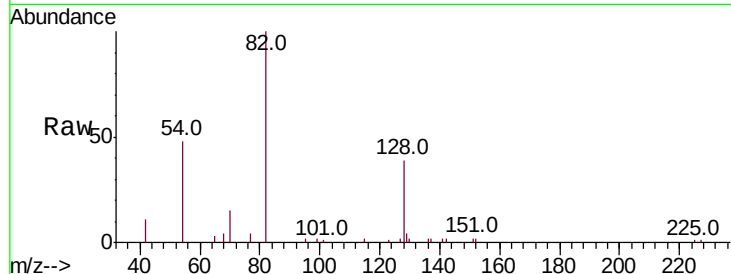




#8
 Nitrobenzene-d5
 Concen: 0.484 ng
 RT: 8.74 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: BN010334.D
 Acq: 24 Mar 2020 19:51

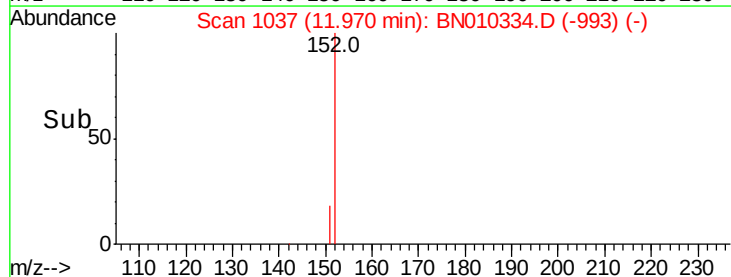
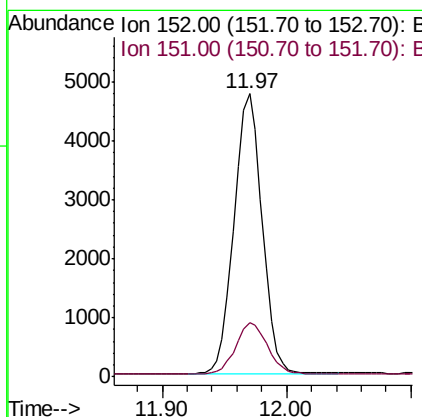
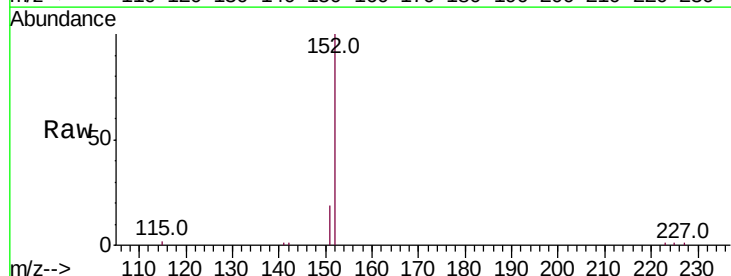
Instrument :
 BNA_N
 ClientSampleId :
 RE109D2-20200316

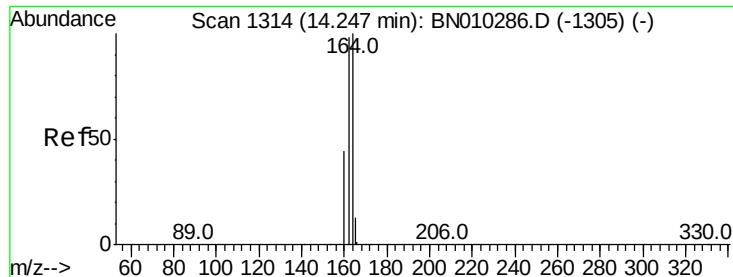
Tot Ion	82	Resp	5625
Ion Ratio	100	Lower	Upper
128	39.0	28.8	43.2
54	47.8	42.1	63.1



#11
 2-Methylnaphthalene-d10
 Concen: 0.256 ng
 RT: 11.97 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BN010334.D
 Acq: 24 Mar 2020 19:51

Tgt Ion	152	Resp	7410
Ion Ratio	100	Lower	Upper
151	20.5	15.4	23.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

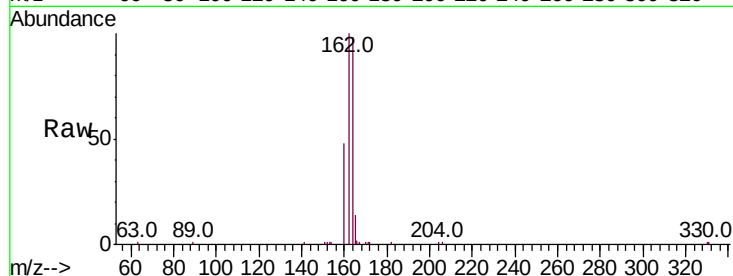
BNA_N

ClientSampleId :

RE109D2-20200316

Tot Ion:164 Resp: 10723

Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.2	117.2
160	48.6	35.8	53.6

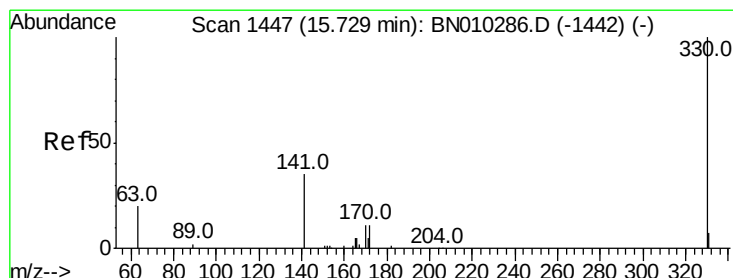
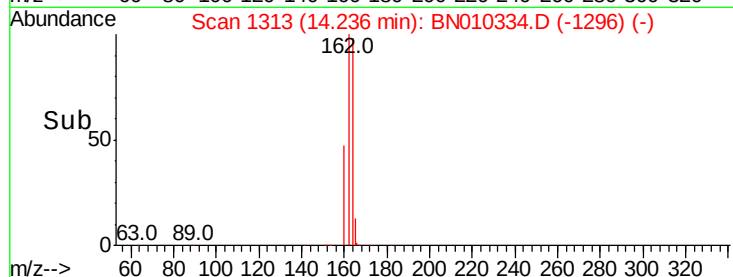
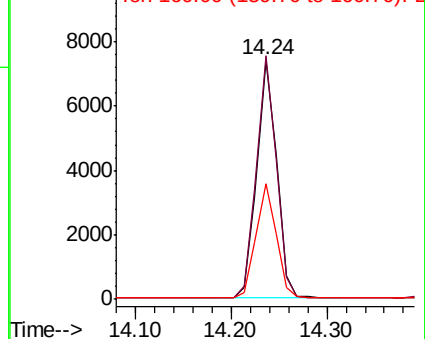


Abundance

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: 0.267 ng

RT: 15.73 min Scan# 1447

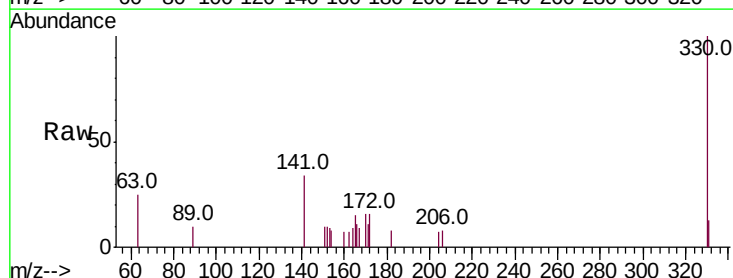
Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Tgt Ion:330 Resp: 1099

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.6	29.3	43.9

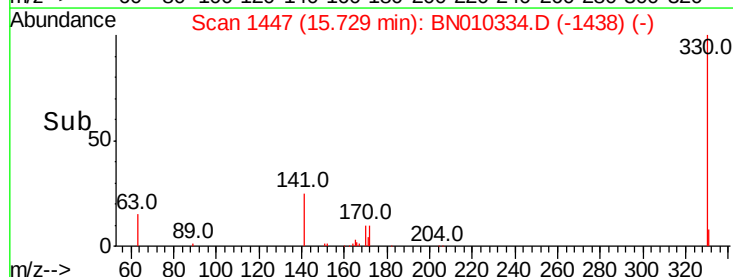
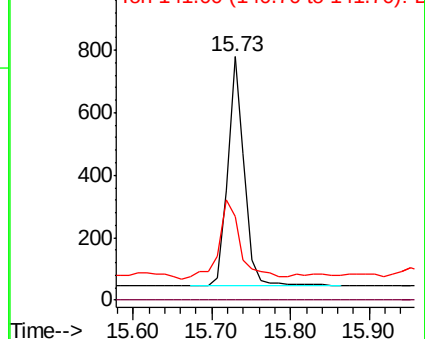


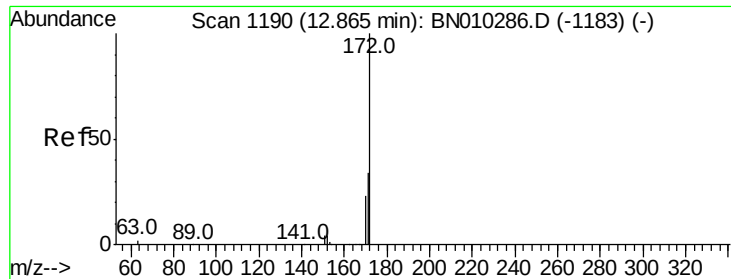
Abundance

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

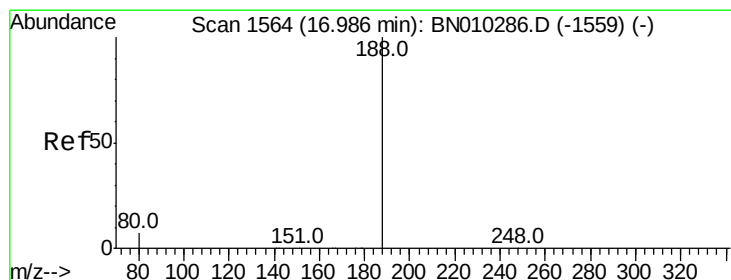
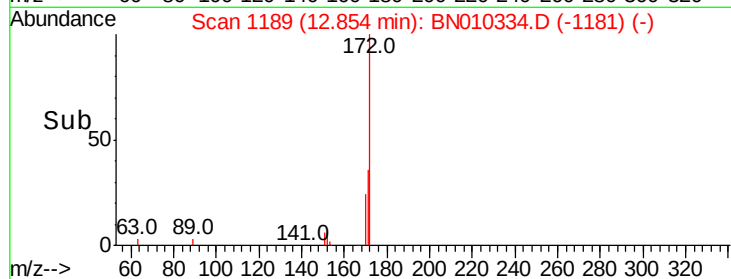
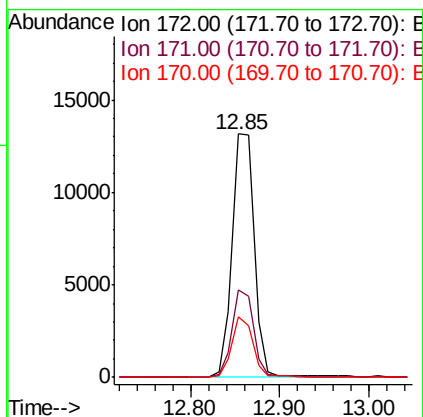
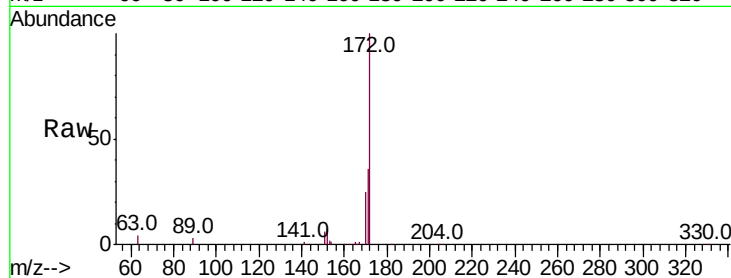




#15
2-Fluorobiphenyl
Concen: 0.543 ng
RT: 12.85 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

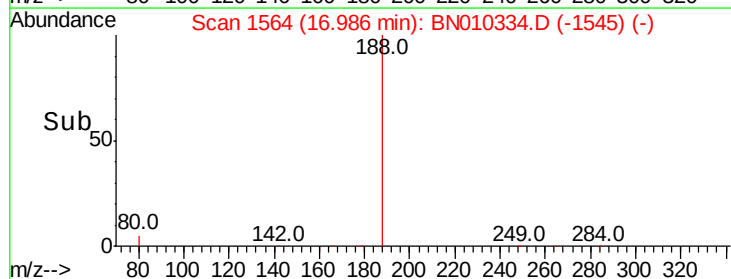
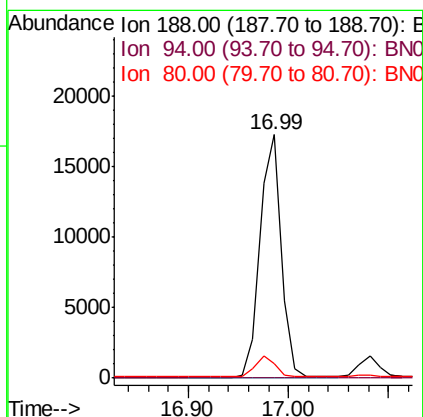
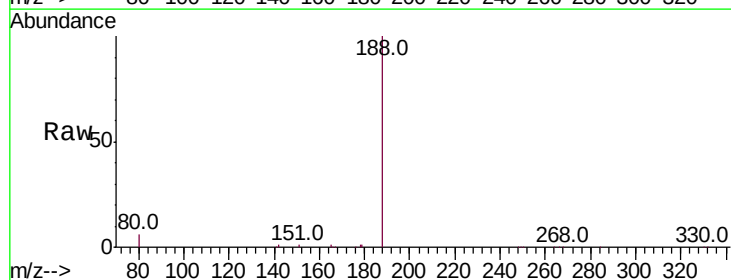
Instrument :
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RE109D2-20200316

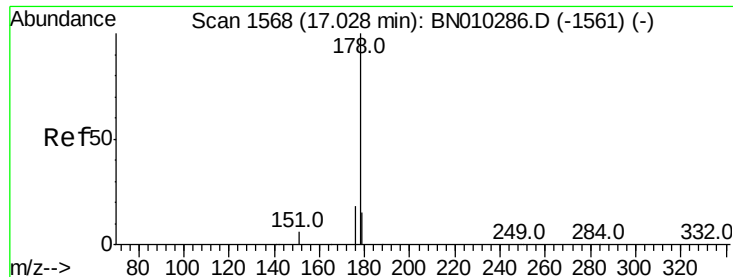
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.6	41.4
170	24.7	18.5	27.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.8	6.0	9.0#





#23

Phenanthrene

Concen: 0.026 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

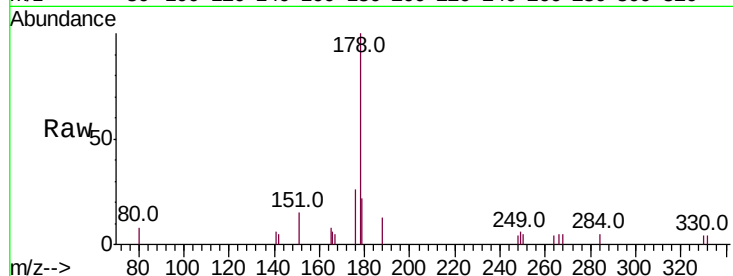
Tot Ion:178 Resp: 1851

Ion Ratio Lower Upper

178 100

176 20.2 15.0 22.4

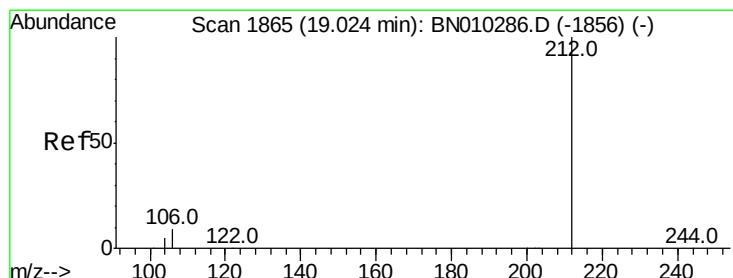
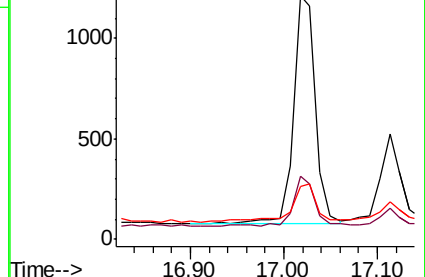
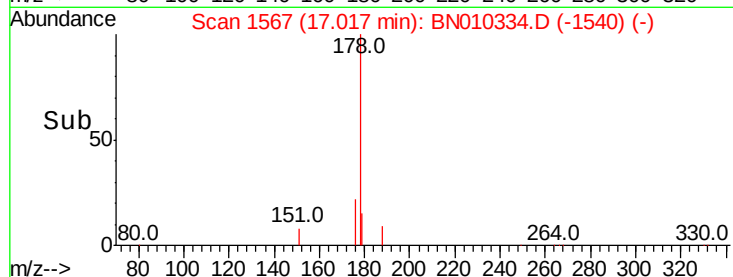
179 20.1 12.4 18.6#



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: 0.275 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

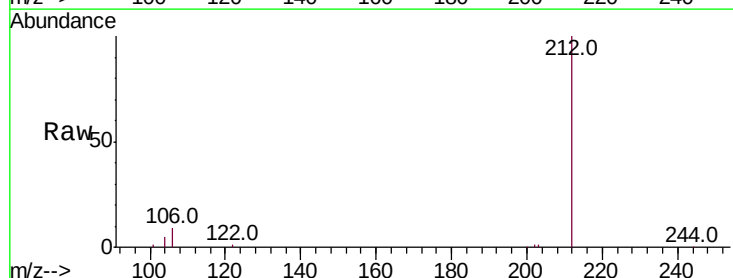
Tgt Ion:212 Resp: 21222

Ion Ratio Lower Upper

212 100

106 9.8 7.4 11.2

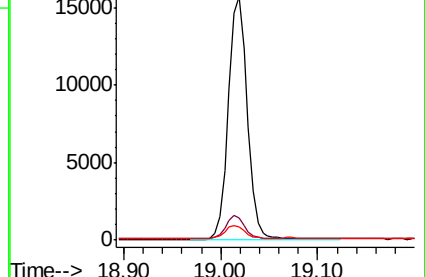
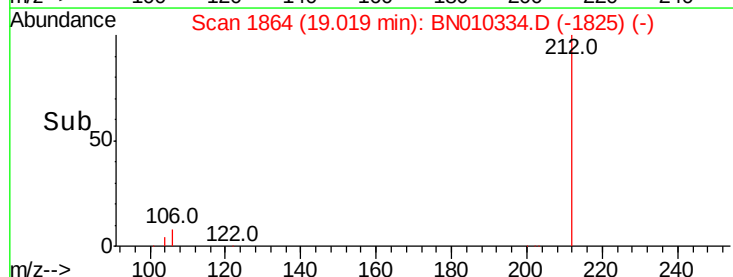
104 5.5 4.2 6.4

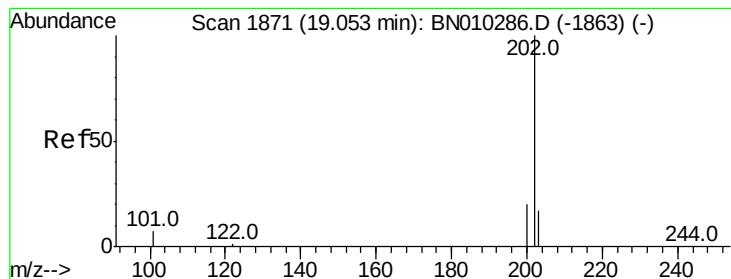


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.053 ng

RT: 19.05 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

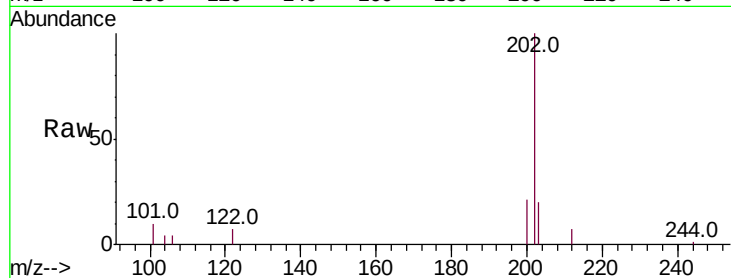
Tot Ion:202 Resp: 4564

Ion Ratio Lower Upper

202 100

101 11.9 6.6 9.8#

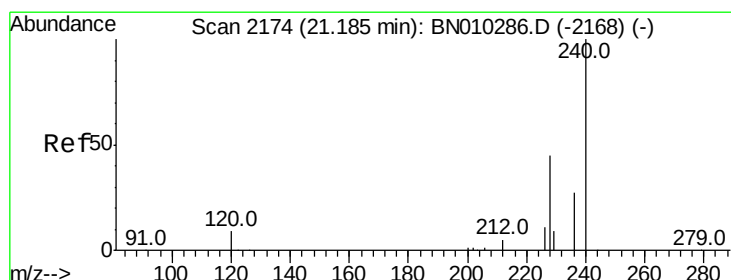
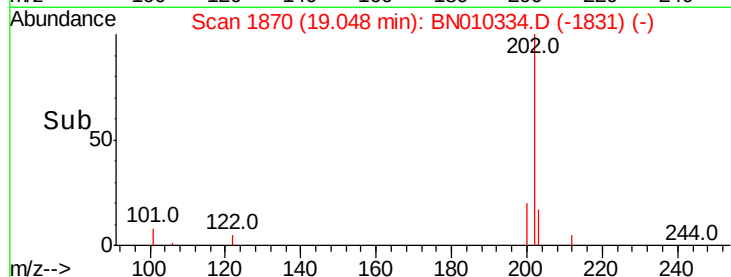
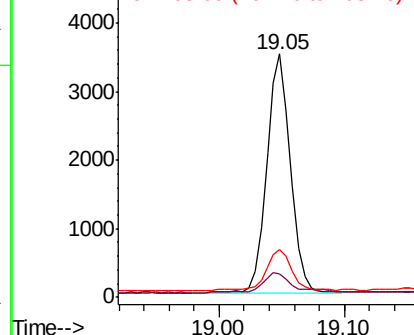
203 17.3 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

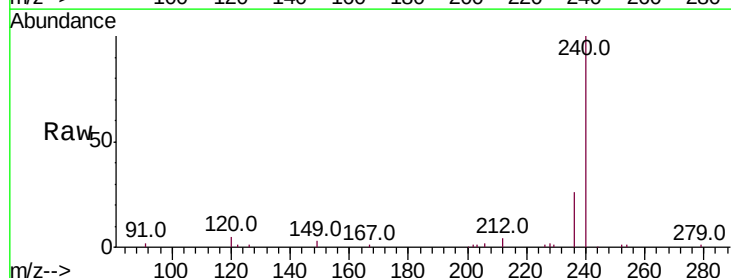
Tgt Ion:240 Resp: 26712

Ion Ratio Lower Upper

240 100

120 4.6 7.9 11.9#

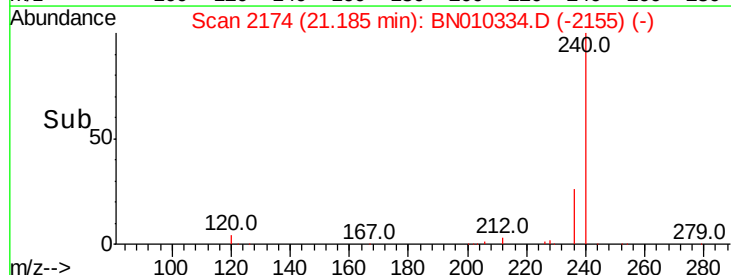
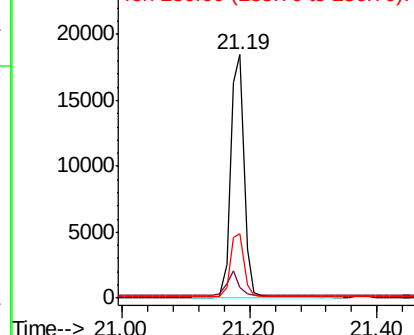
236 26.5 22.2 33.4

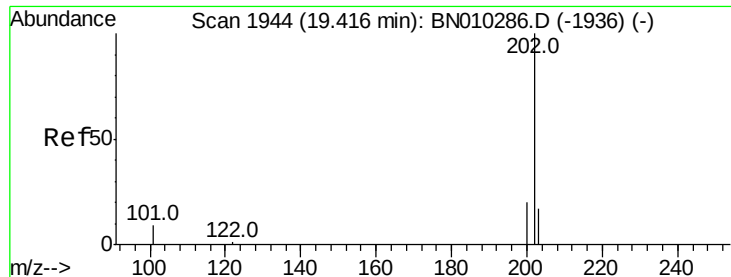


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

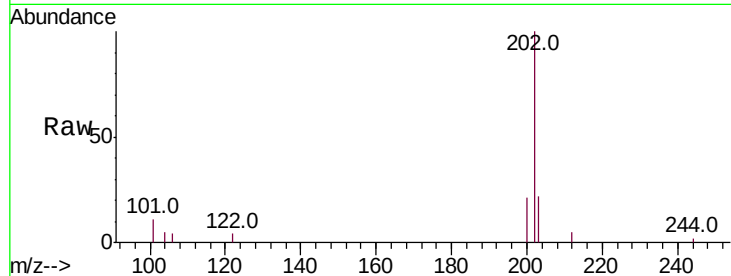




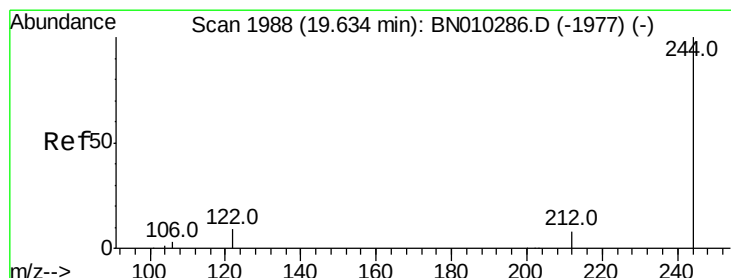
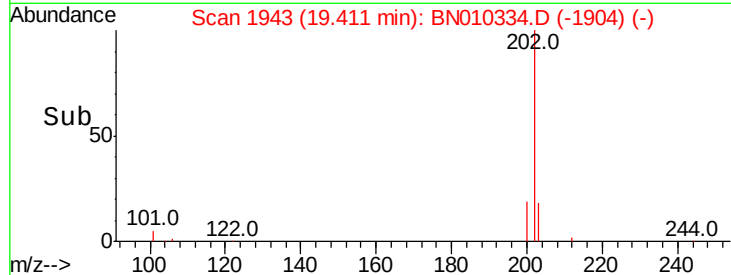
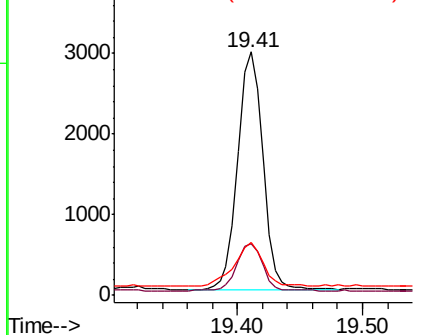
#28
Pvrene
Concen: 0.050 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

Tot Ion:202 Resp: 4125
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.4
203 21.0 14.2 21.2

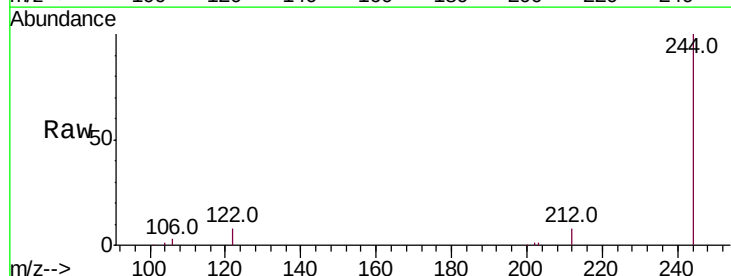


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

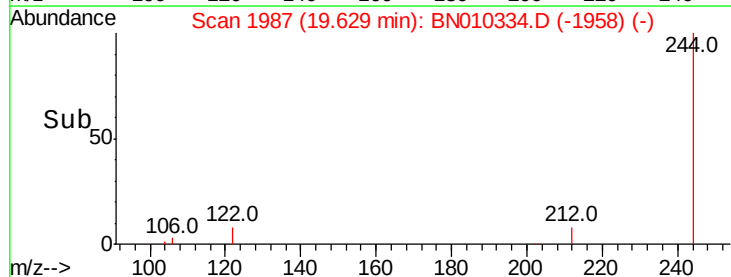
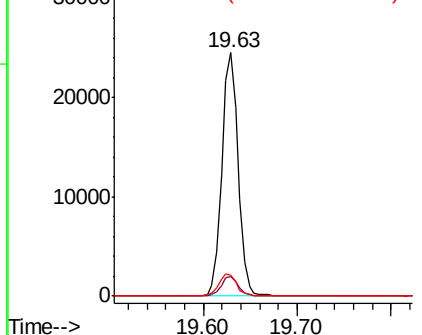


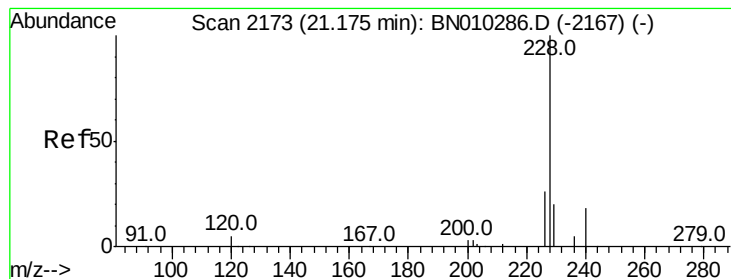
#29
Terphenyl-d14
Concen: 0.503 ng
RT: 19.63 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:244 Resp: 29045
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 8.4 7.6 11.4



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: 0.030 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

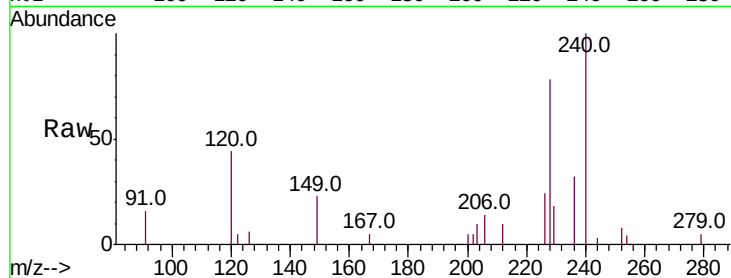
Tot Ion:228 Resp: 2567

Ion Ratio Lower Upper

228 100

226 31.0 21.0 31.4

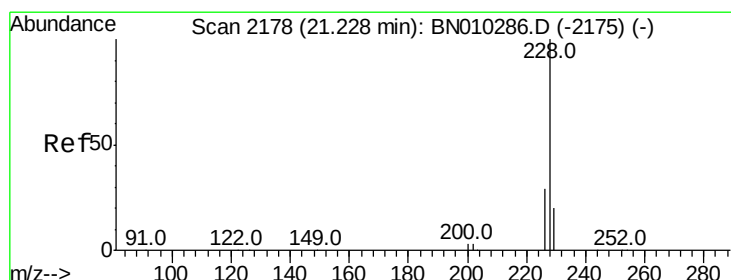
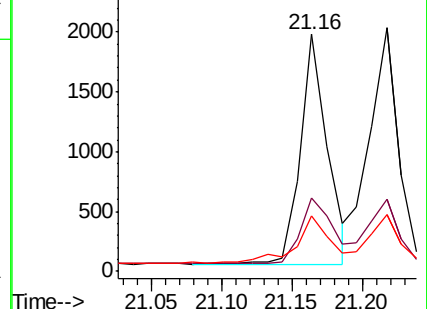
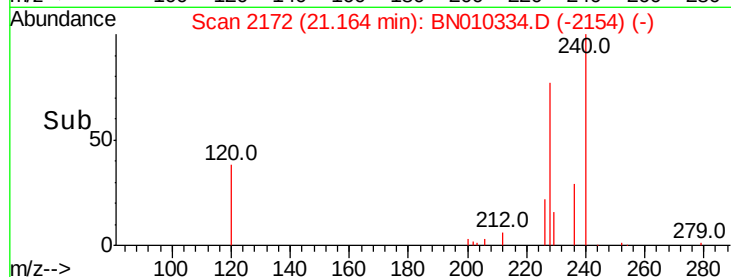
229 23.7 16.0 24.0



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: 0.031 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

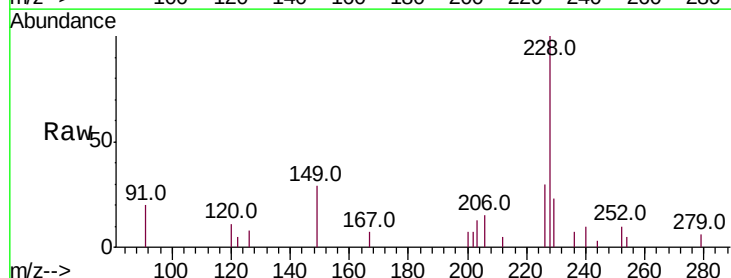
Tgt Ion:228 Resp: 2798

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.6

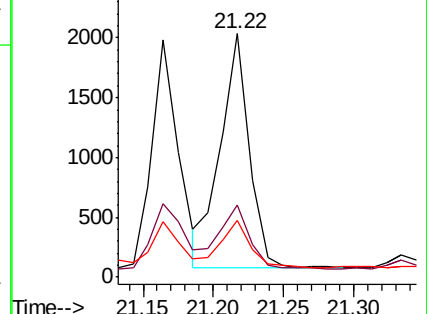
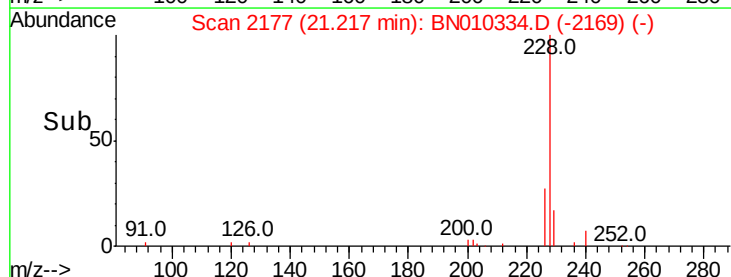
229 23.5 16.0 24.0

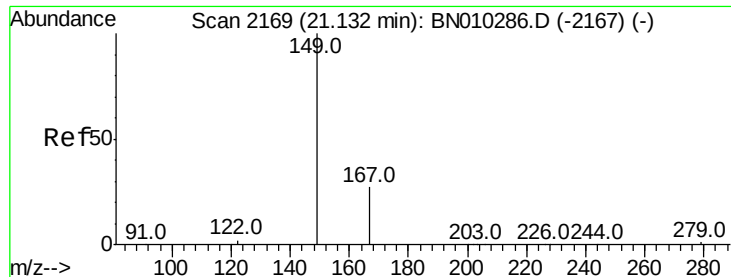


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

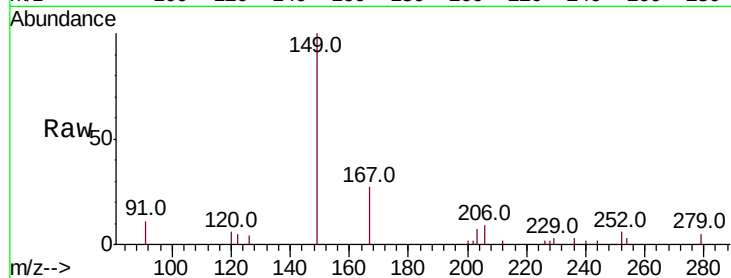
Tot Ion:149 Resp: 3494

Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.6

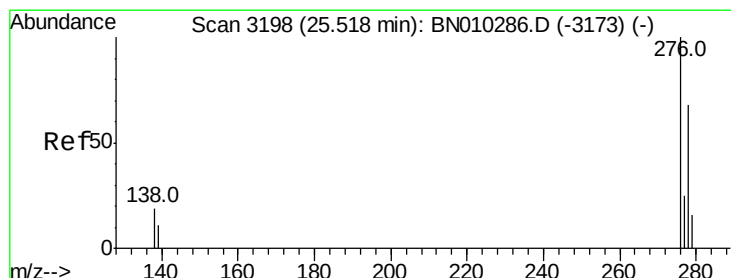
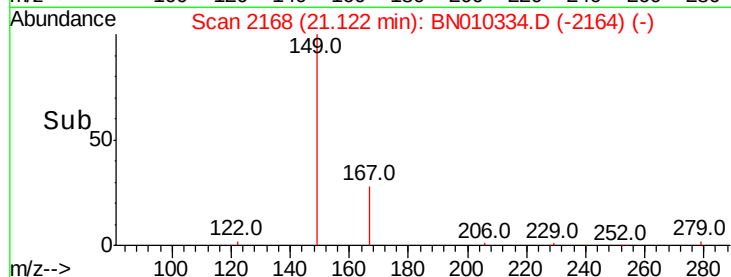
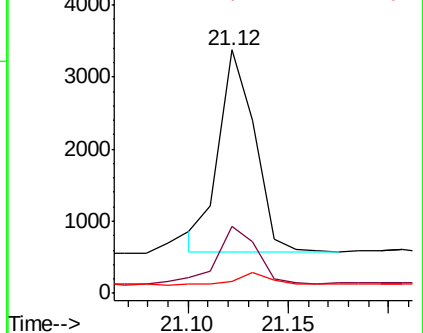
279 4.9 3.8 5.8



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: 0.026 ng

RT: 25.50 min Scan# 3192

Delta R.T. -0.02 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

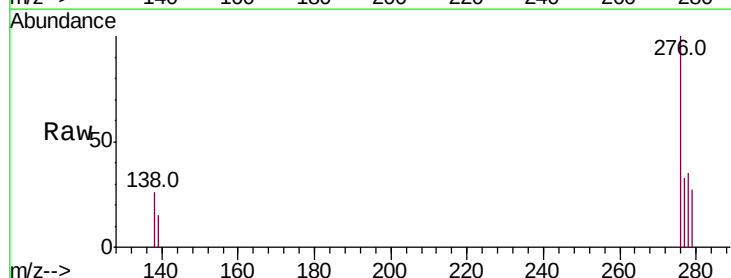
Tgt Ion:276 Resp: 2557

Ion Ratio Lower Upper

276 100

138 19.5 15.6 23.4

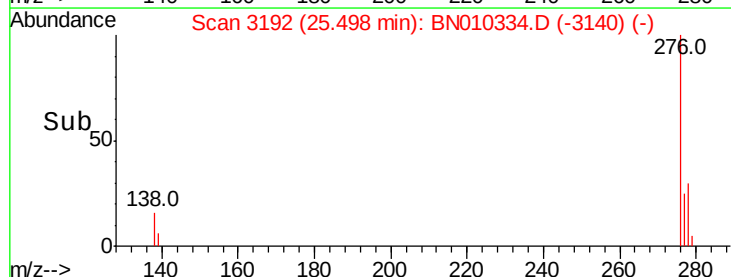
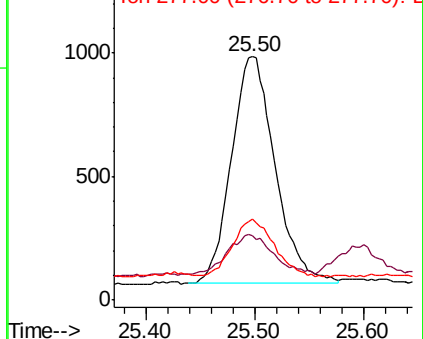
277 23.7 20.1 30.1

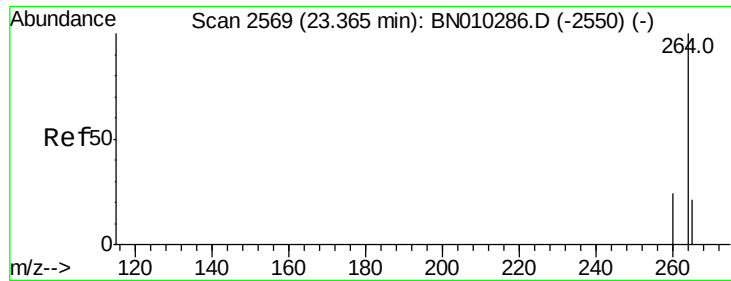


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

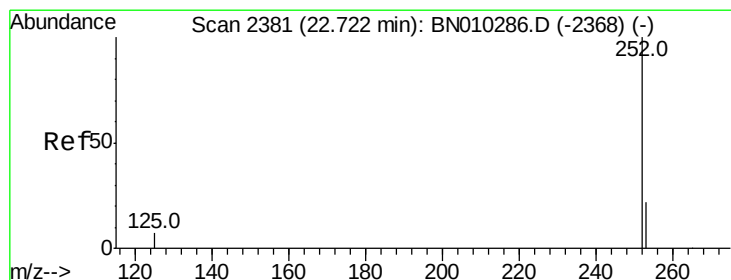
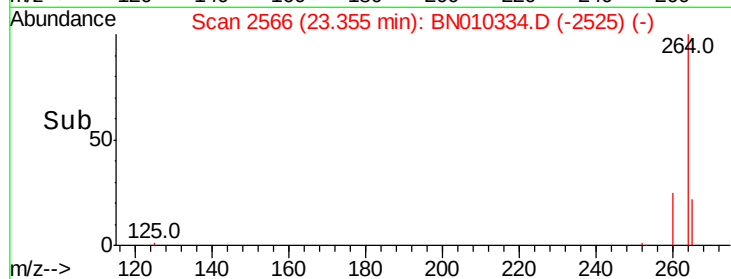
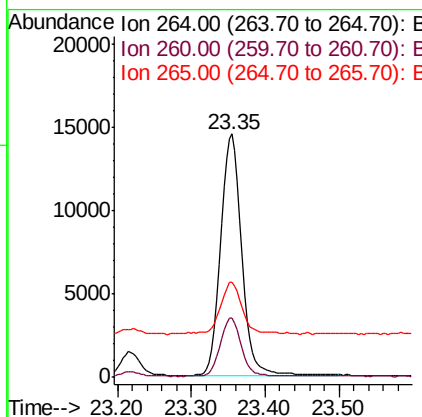
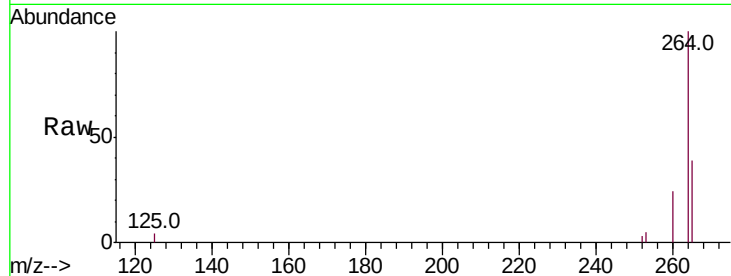




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

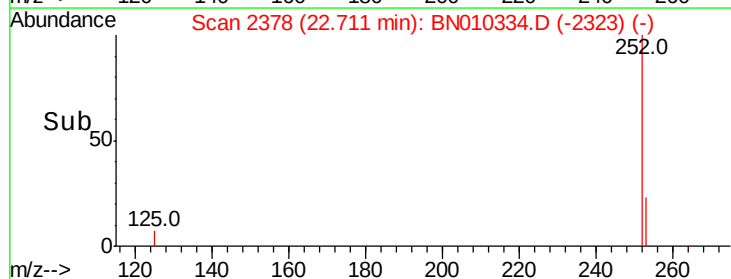
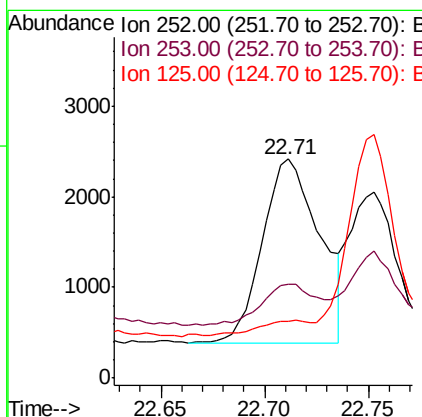
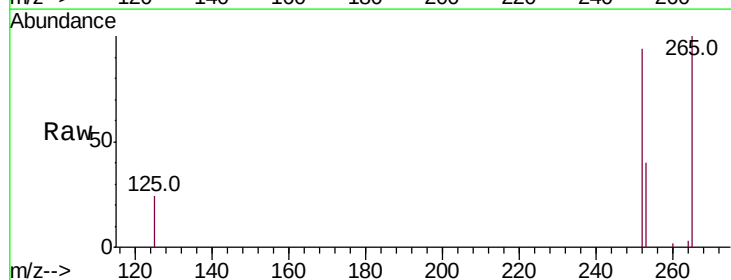
Instrument :
BNA_N
ClientSampleId :
RE109D2-20200316

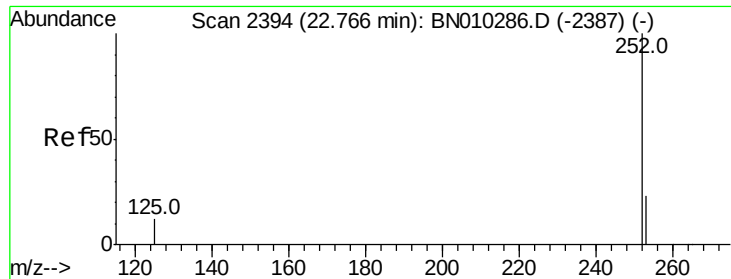
Tot Ion:264 Resp: 28209
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 39.0 32.4 48.6



#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:252 Resp: 3886
Ion Ratio Lower Upper
252 100
253 43.0 19.2 28.8#
125 25.7 7.4 11.0#





#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.75 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

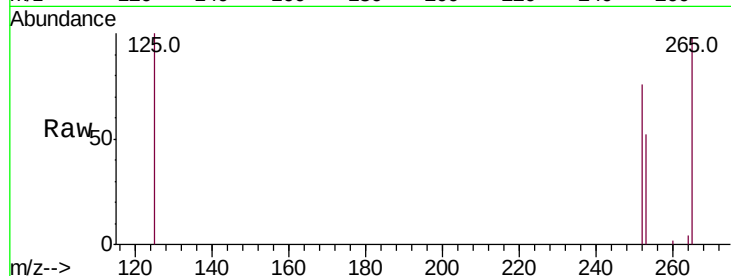
Tot Ion:252 Resp: 2611

Ion Ratio Lower Upper

252 100

253 68.3 19.4 29.0#

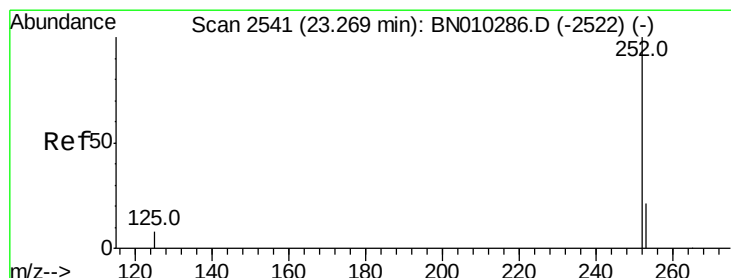
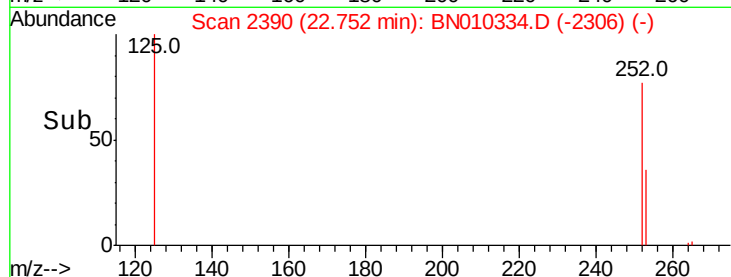
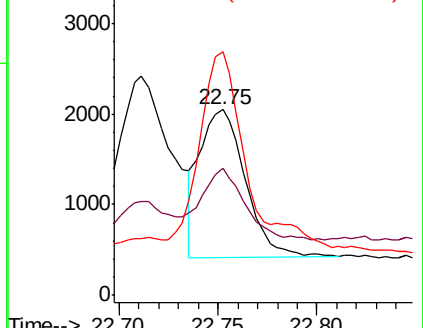
125 131.3 10.2 15.2#



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: 0.029 ng

RT: 23.26 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

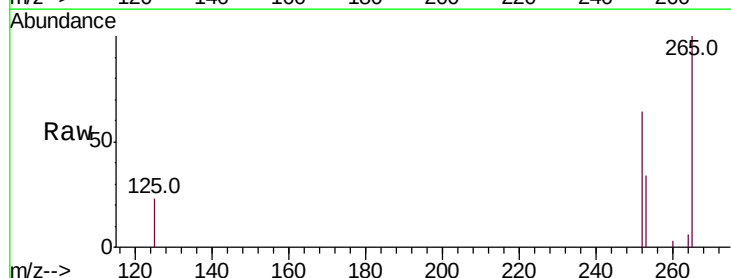
Tgt Ion:252 Resp: 2381

Ion Ratio Lower Upper

252 100

253 53.9 19.9 29.9#

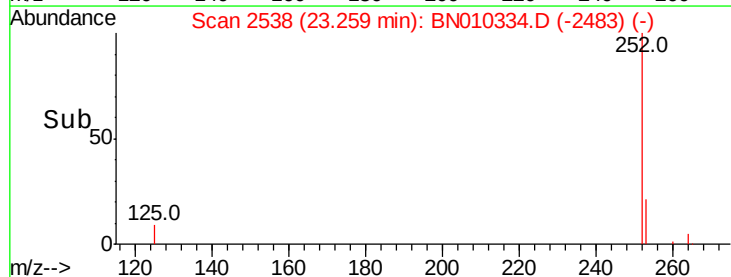
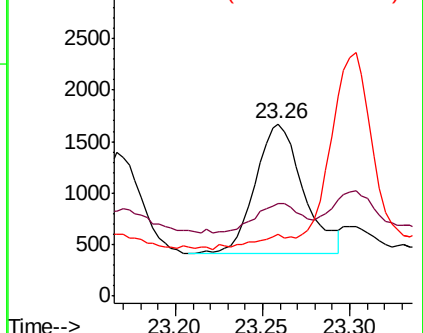
125 35.6 8.9 13.3#

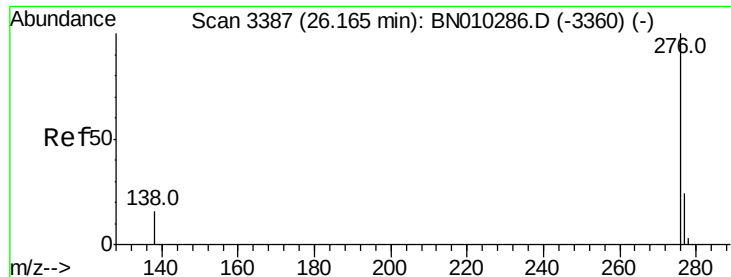


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.025 ng

RT: 26.15 min Scan# 3382

Delta R.T. -0.02 min

Lab File: BN010334.D

Acq: 24 Mar 2020 19:51

Instrument :

BNA_N

ClientSampleId :

RE109D2-20200316

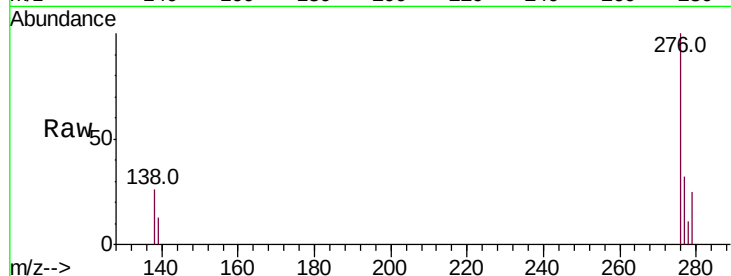
Tot Ion:276 Resp: 2233

Ion Ratio Lower Upper

276 100

277 32.1 19.6 29.4#

138 26.5 13.3 19.9#



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

