

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006636.D
 Acq On : 29 Jun 2019 04:30
 Operator : HP/JU
 Sample : K3486-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 W-4

Quant Time: Jun 29 05:33:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 01:19:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4784	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	21692	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	14396	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	33566	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	30705	0.40	ng	-0.02
34) Perylene-d12	23.48	264	28603	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1239	0.11	ng	0.00
5) Phenol-d6	6.82	99	1187	0.08	ng	0.00
8) Nitrobenzene-d5	8.79	82	4941	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	12607	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	2302	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	18623	0.35	ng	-0.01
25) Fluoranthene-d10	19.07	212	35341	0.36	ng	0.00
29) Terphenyl-d14	19.67	244	25565	0.40	ng	0.00

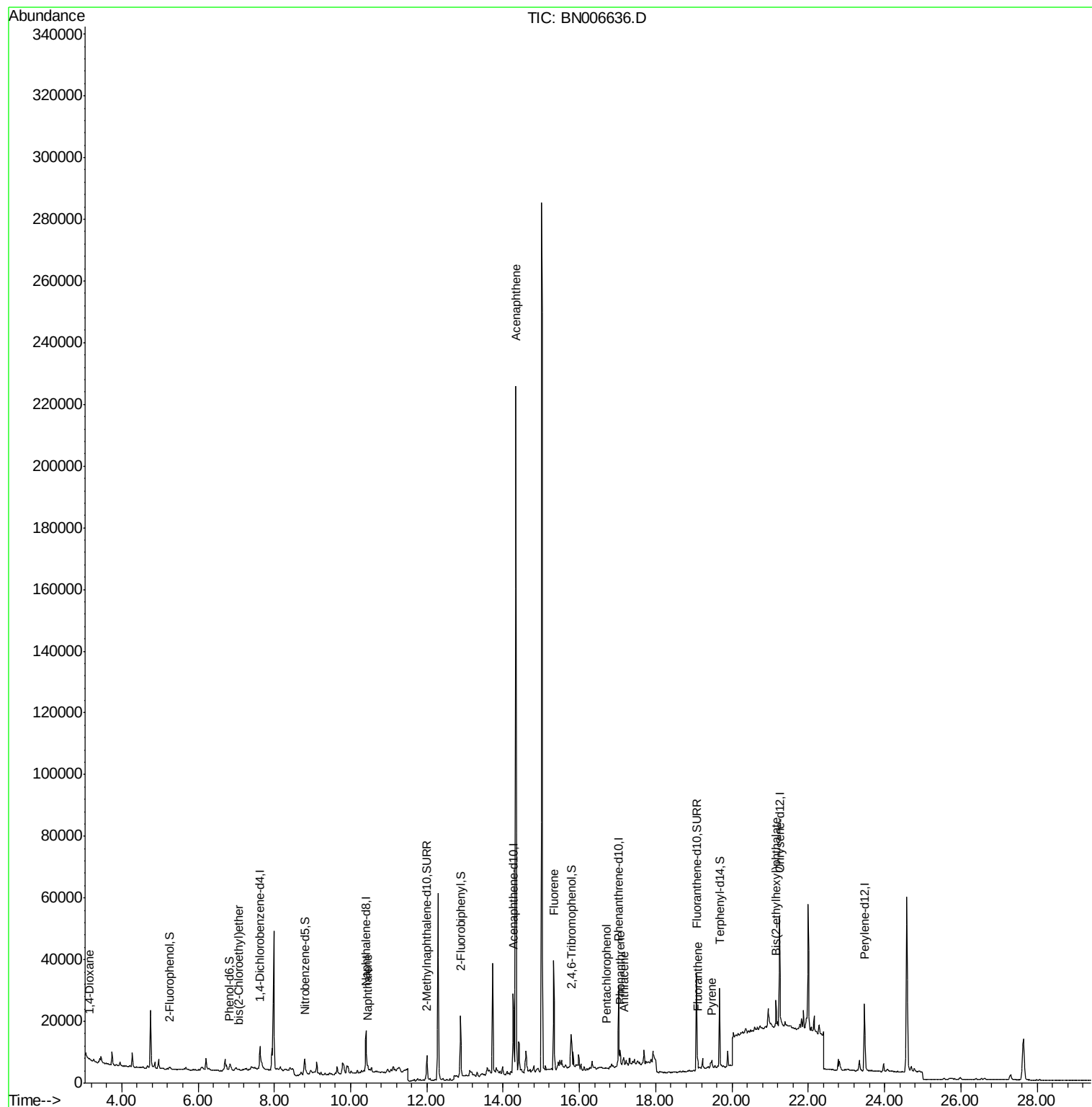
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	141	0.021	ng	# 1
6) bis(2-Chloroethyl)ether	7.05	93	333	0.024	ng	# 26
9) Naphthalene	10.45	128	2007	0.035	ng	# 72
17) Acenaphthene	14.33	154	112709	2.492	ng	98
18) Fluorene	15.32	166	22269	0.390	ng	# 94
22) Pentachlorophenol	16.71	266	45	0.200	ng	# 75
23) Phenanthrene	17.07	178	5031	0.053	ng	# 95
24) Anthracene	17.16	178	3069	0.037	ng	# 70
26) Fluoranthene	19.10	202	3244	0.028	ng	# 71
28) Pyrene	19.47	202	2349	0.022	ng	# 55
32) Bis(2-ethylhexyl)phthalate	21.15	149	7490	0.148	ng	98

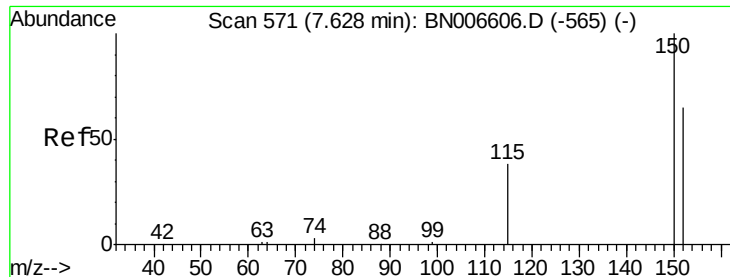
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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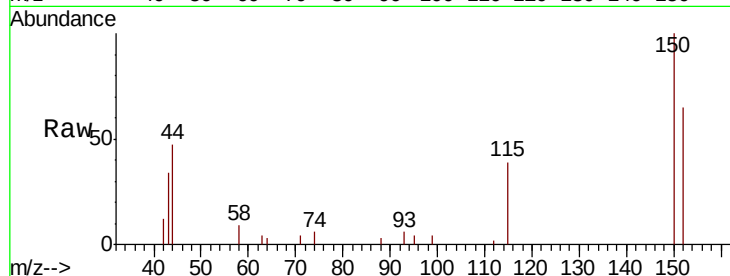


#1

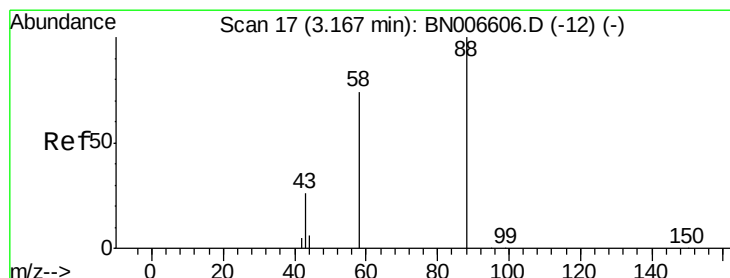
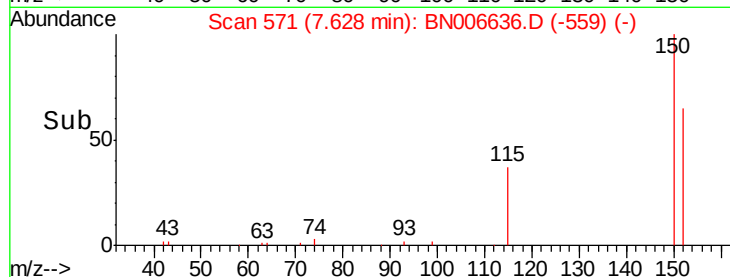
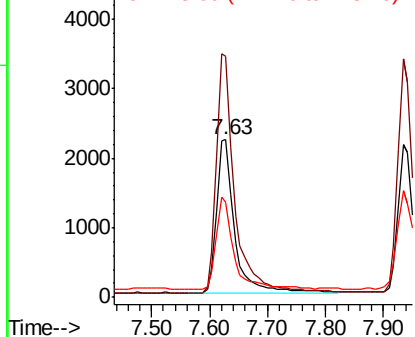
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 571
Delta R.T. 0.00 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 152 Resp: 4784
Ion Ratio Lower Upper
152 100
150 152.7 122.2 183.2
115 60.1 50.0 75.0



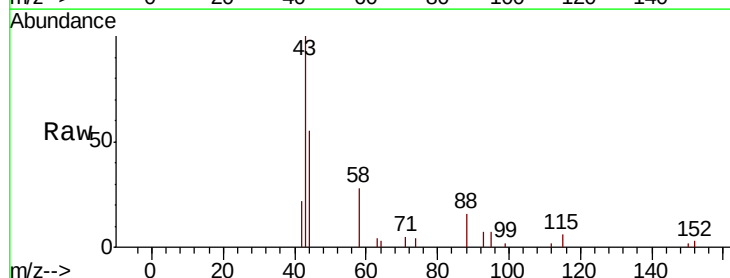
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



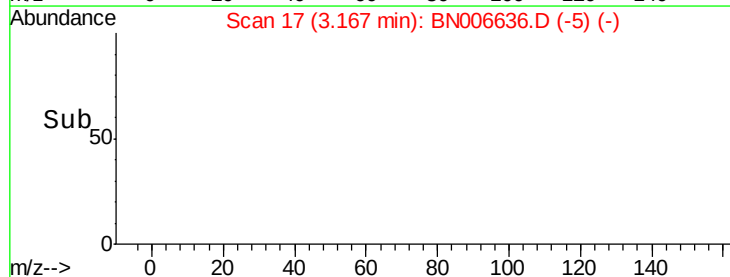
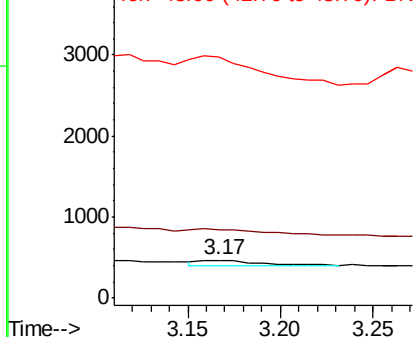
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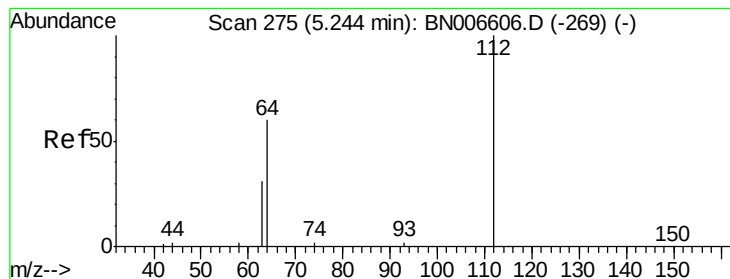
1,4-Dioxane
Concen: 0.021 ng
RT: 3.17 min Scan# 17
Delta R.T. 0.00 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

Tgt Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
58 0.0 62.5 93.7#
43 682.3 25.4 38.0#



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





#4

2-Fluorophenol

Concen: 0.106 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

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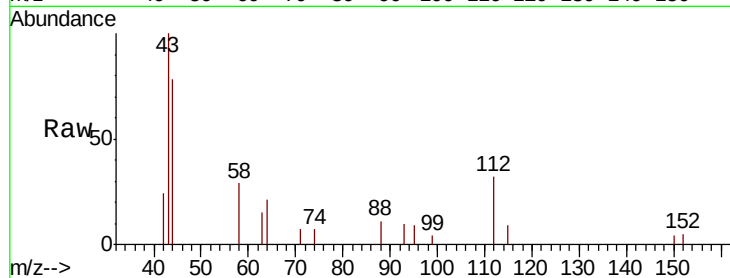
Tgt Ion: 112 Resp: 1239

Ion Ratio Lower Upper

112 100

64 68.0 48.9 73.3

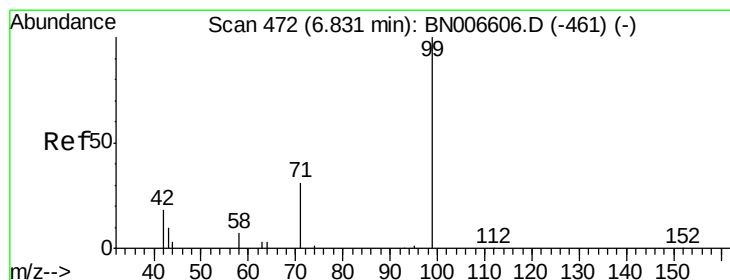
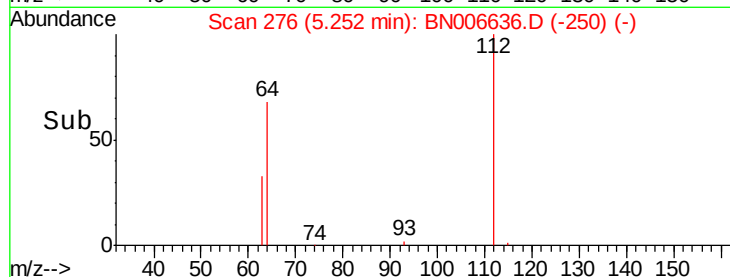
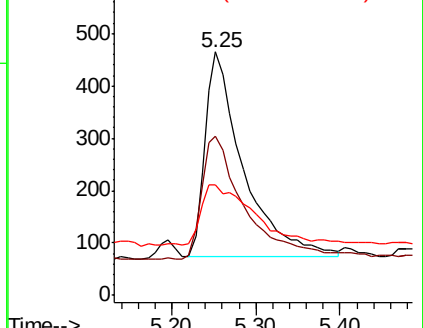
63 41.3 24.3 36.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.076 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

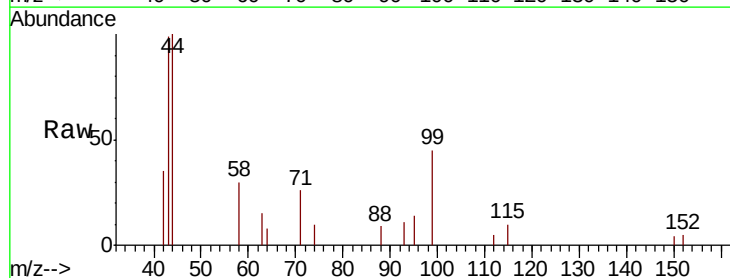
Tgt Ion: 99 Resp: 1187

Ion Ratio Lower Upper

99 100

42 43.2 16.4 24.6#

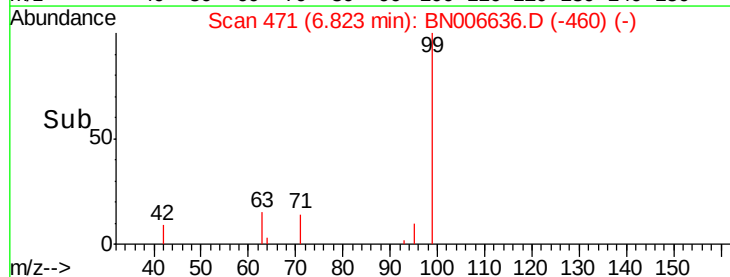
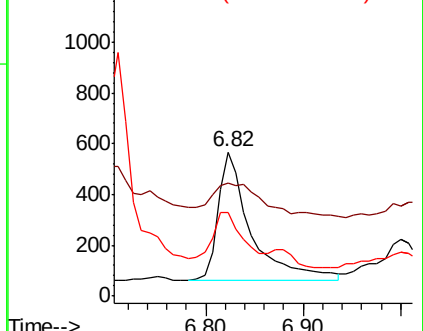
71 30.5 26.6 40.0

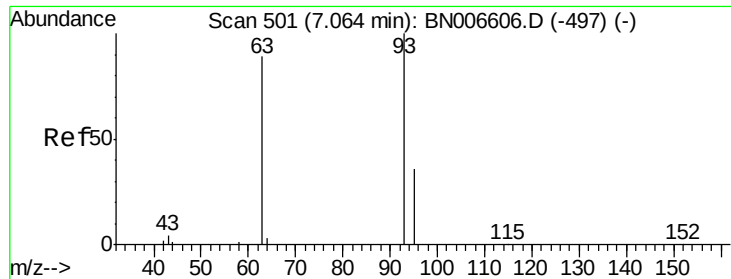


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.05 min Scan# 499

Delta R.T. -0.02 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

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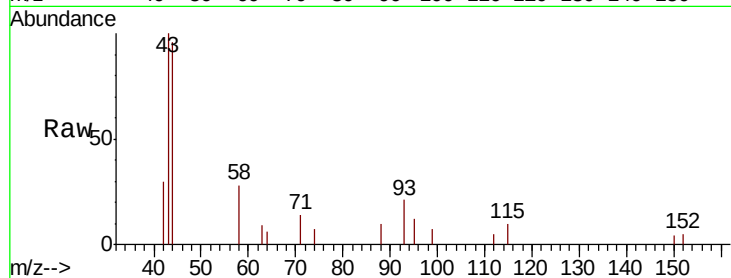
Tgt Ion: 93 Resp: 333

Ion Ratio Lower Upper

93 100

63 0.0 52.5 78.7#

95 0.0 24.2 36.4#

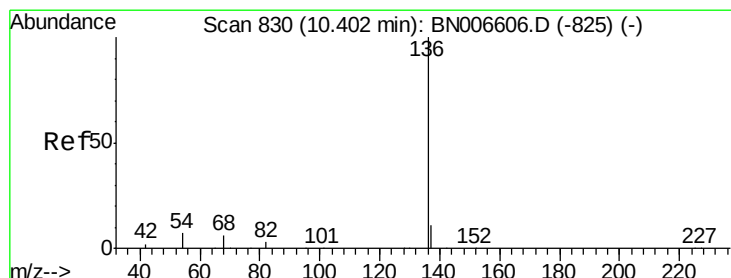
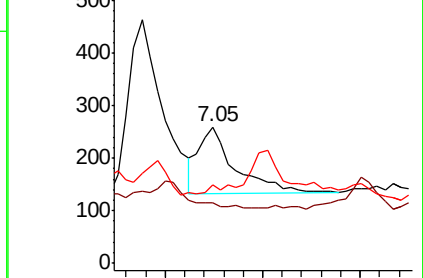
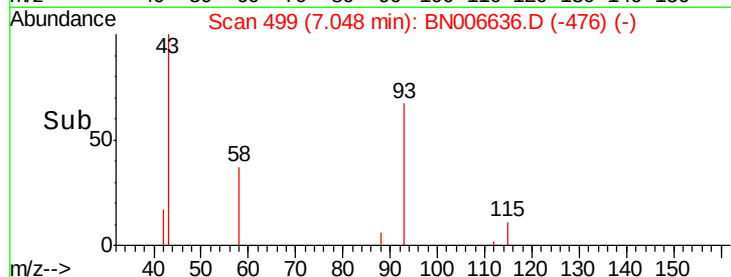


Abundance Ion 93.00 (92.70 to 93.70): BN006636.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN006636.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN006636.D (-497) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Tgt Ion: 136 Resp: 21692

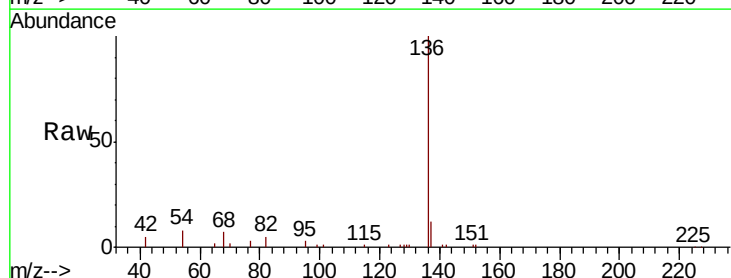
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 8.3 6.7 10.1

68 7.4 5.3 7.9



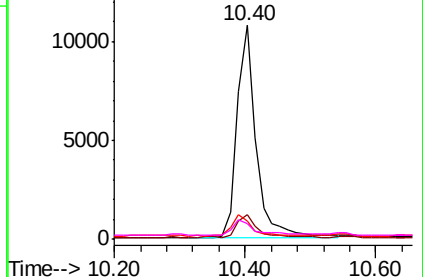
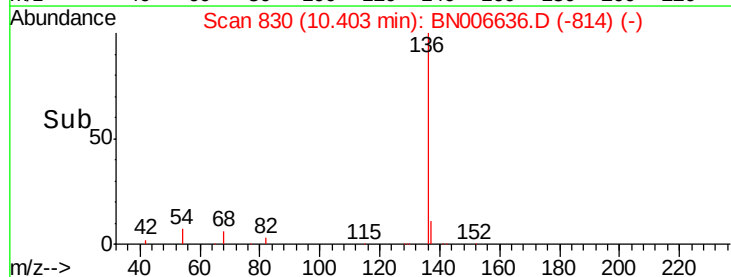
Abundance Ion 136.00 (135.70 to 136.70): BN006636.D (-825) (-)

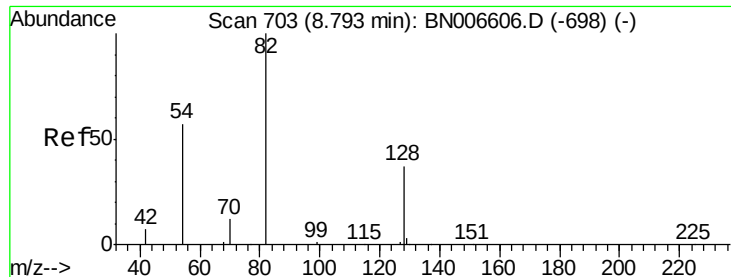
Ion 137.00 (136.70 to 137.70): BN006636.D (-825) (-)

Ion 54.00 (53.70 to 54.70): BN006636.D (-825) (-)

Ion 68.00 (67.70 to 68.70): BN006636.D (-825) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.339 ng

RT: 8.79 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

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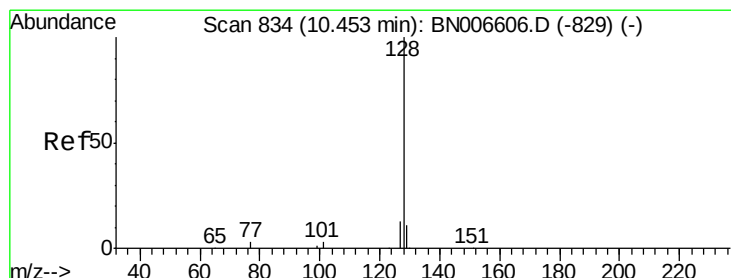
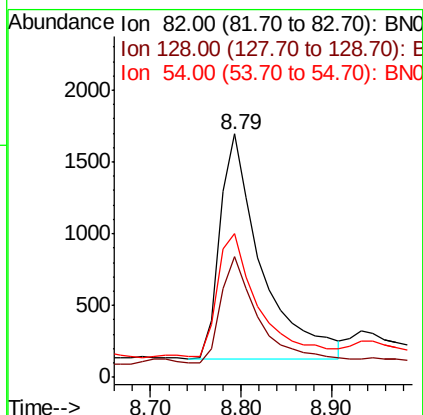
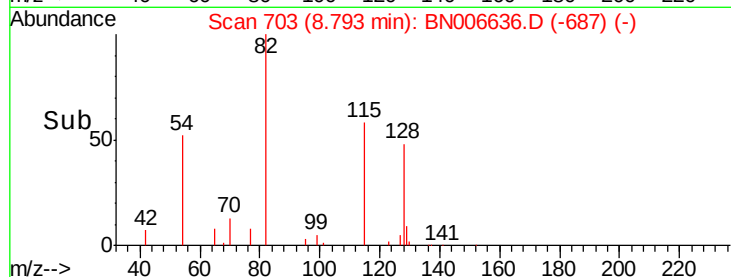
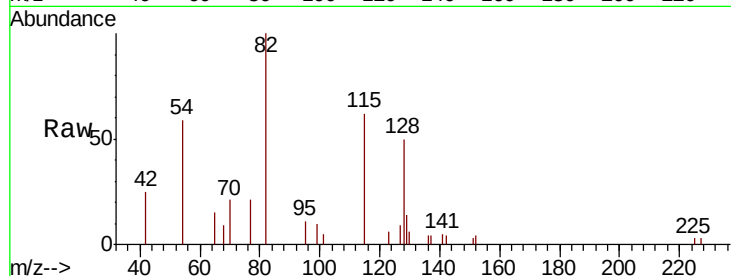
Tgt Ion: 82 Resp: 4941

Ion Ratio Lower Upper

82 100

128 49.8 32.6 49.0#

54 58.9 48.2 72.4



#9

Naphthalene

Concen: 0.035 ng

RT: 10.45 min Scan# 834

Delta R.T. 0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

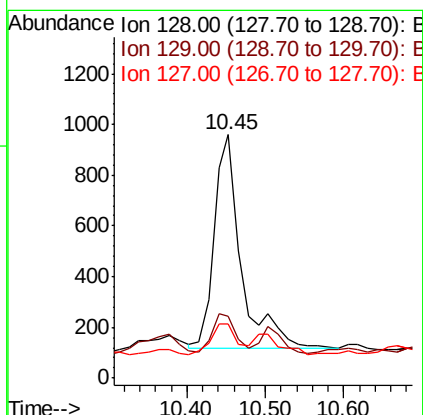
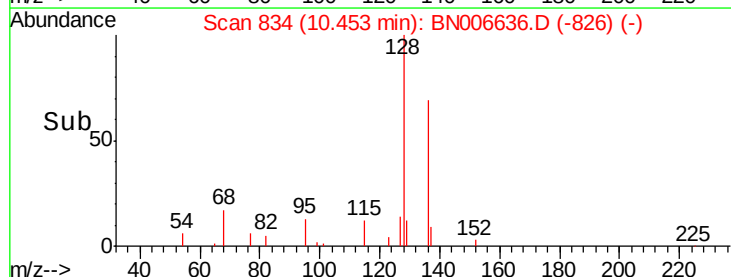
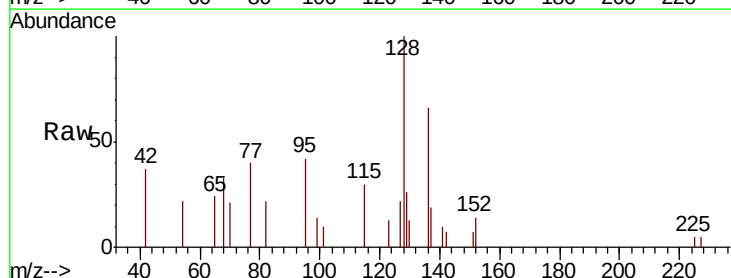
Tgt Ion: 128 Resp: 2007

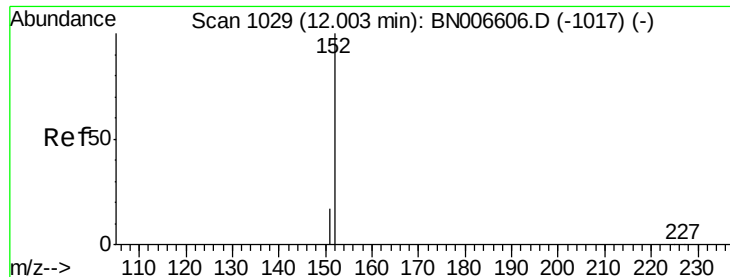
Ion Ratio Lower Upper

128 100

129 25.5 9.3 13.9#

127 22.3 10.8 16.2#

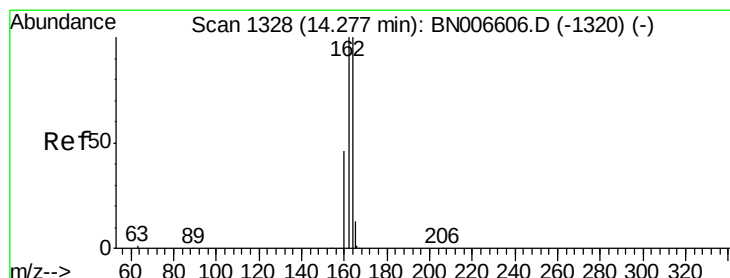
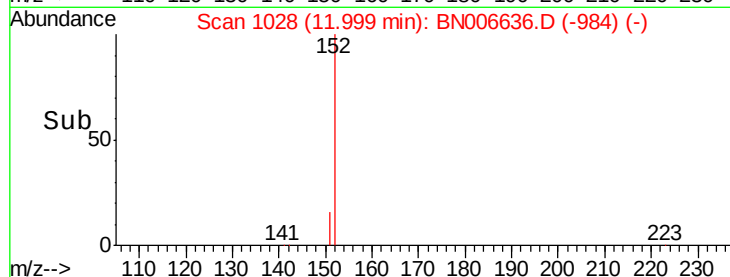
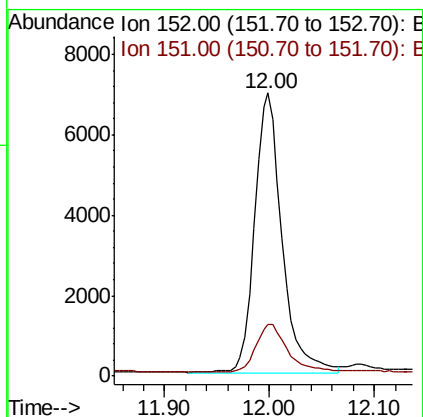
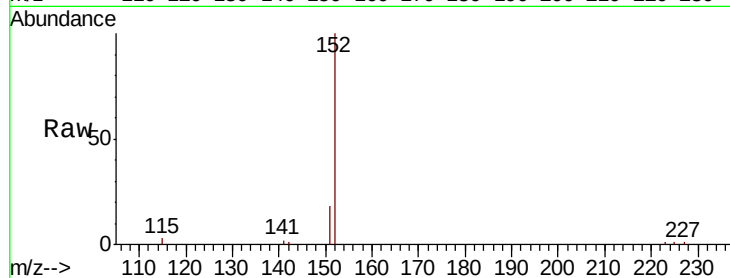




#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 12.00 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

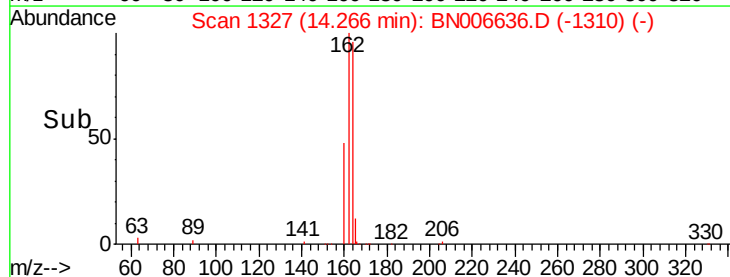
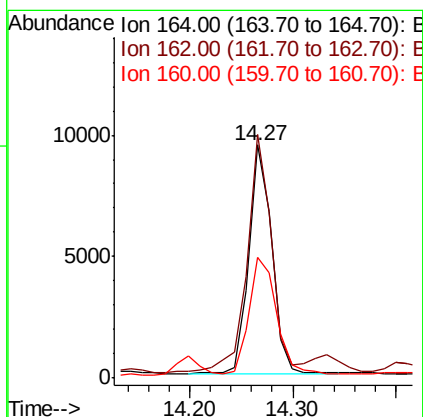
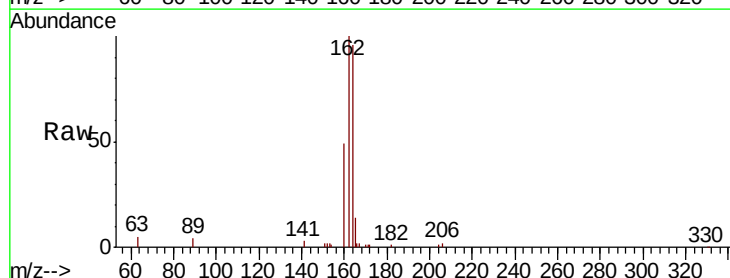
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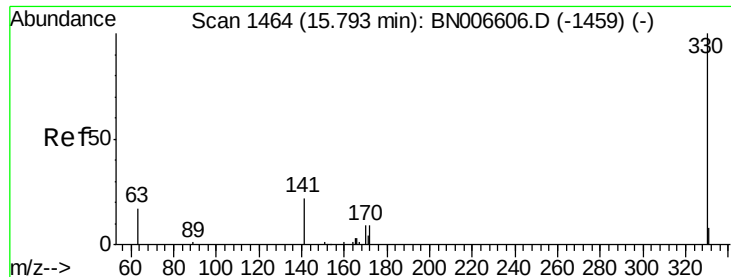
Tgt Ion:152 Resp: 12607
Ion Ratio Lower Upper
152 100
151 20.3 15.0 22.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

Tgt Ion:164 Resp: 14396
Ion Ratio Lower Upper
164 100
162 104.4 80.0 120.0
160 51.5 37.0 55.4

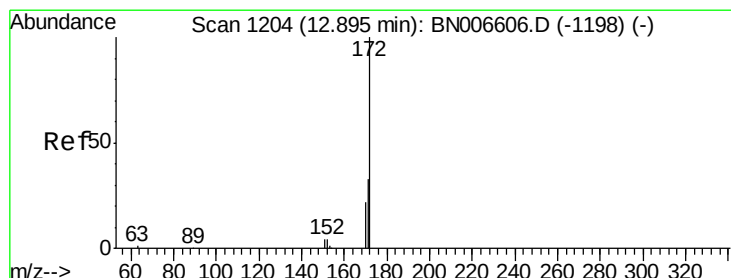
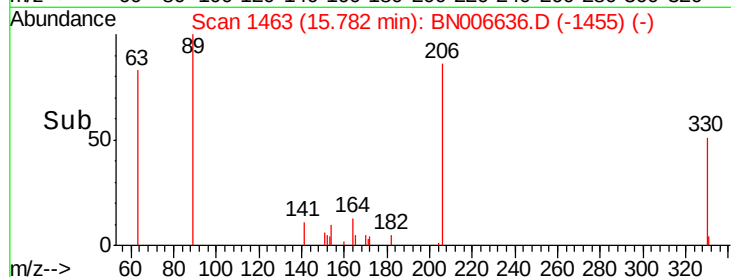
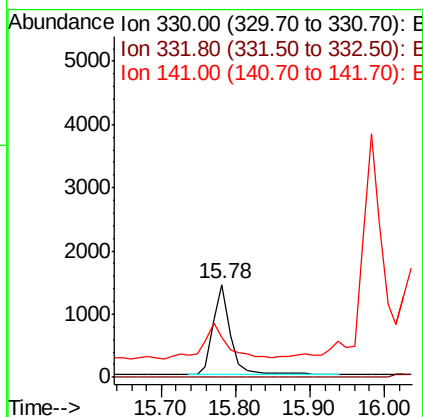
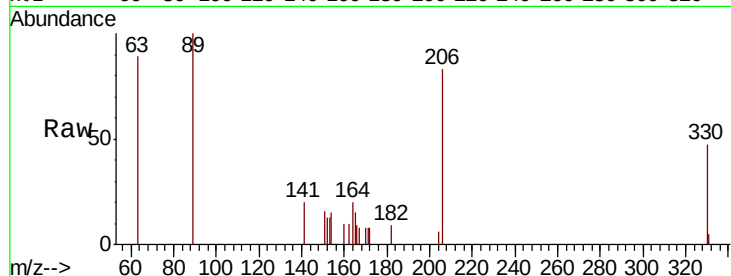




#14
 2,4,6-Tribromophenol
 Concen: 0.340 ng
 RT: 15.78 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BN006636.D
 Acq: 29 Jun 2019 04:30

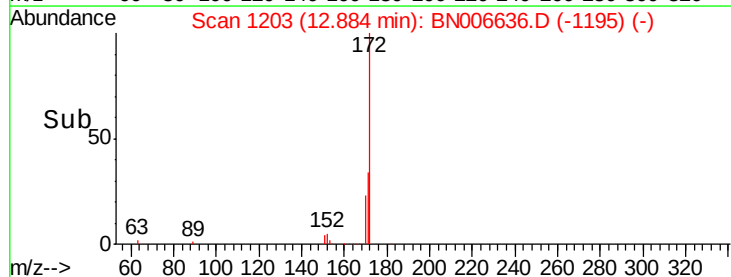
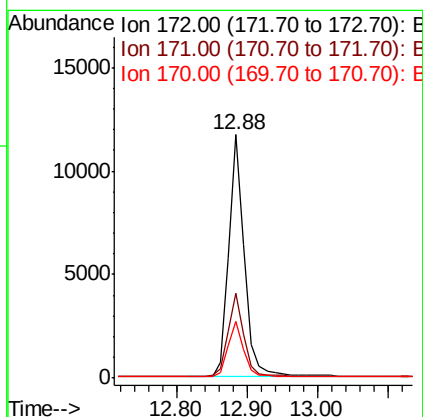
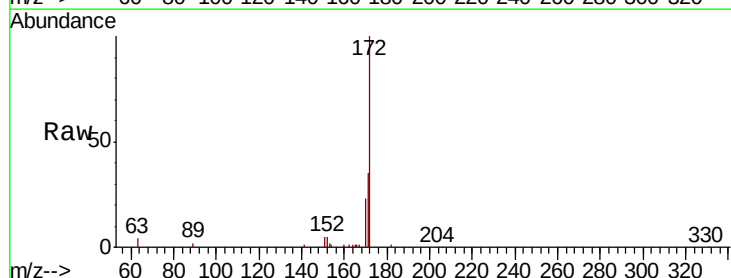
Instrument :
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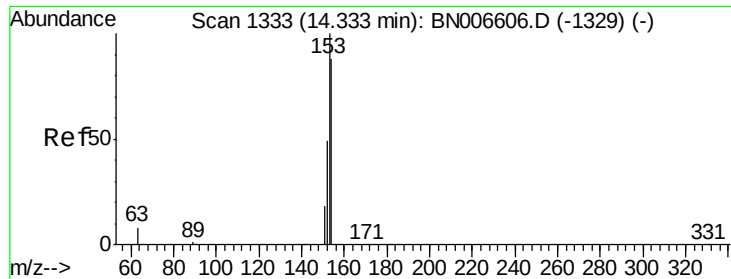
Tgt Ion:330 Resp: 2302
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 52.6 26.5 39.7#



#15
 2-Fluorobiphenyl
 Concen: 0.349 ng
 RT: 12.88 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BN006636.D
 Acq: 29 Jun 2019 04:30

Tgt Ion:172 Resp: 18623
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.0 40.4
 170 23.3 17.7 26.5

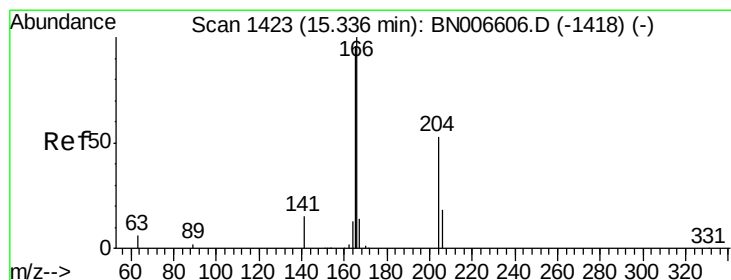
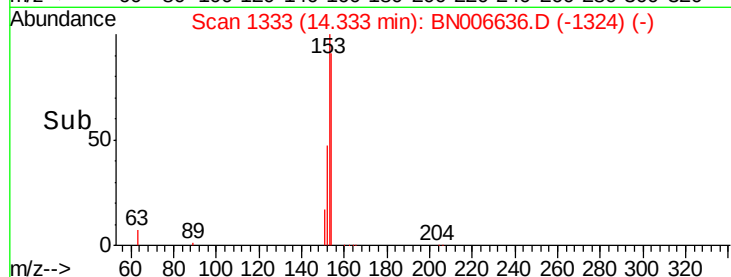
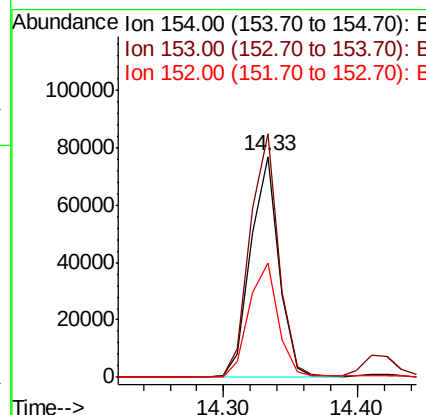
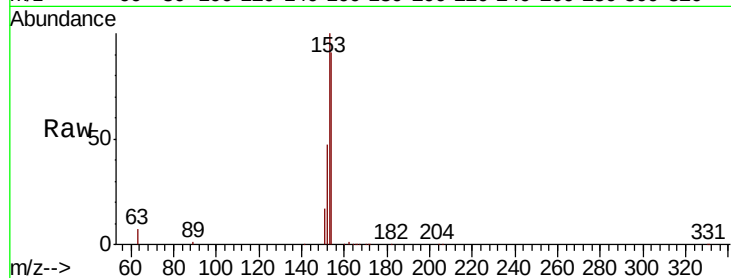




#17
Acenaphthene
Concen: 2.492 ng
RT: 14.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

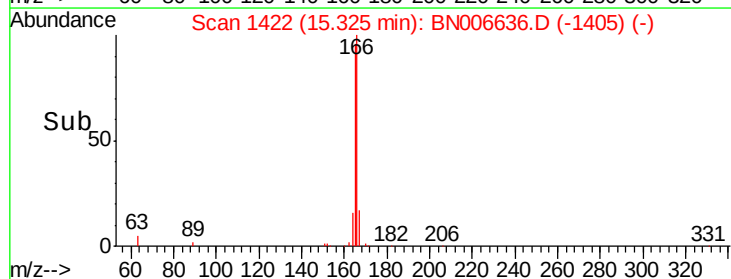
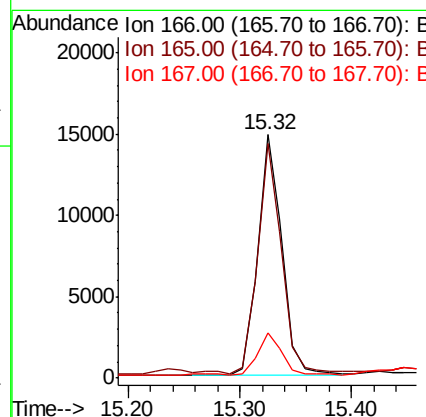
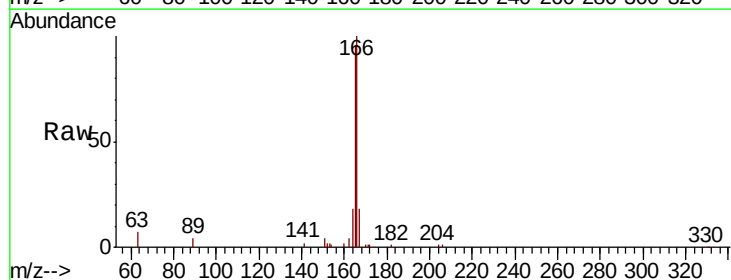
Instrument :
BNA_N
ClientSampled :
W-4

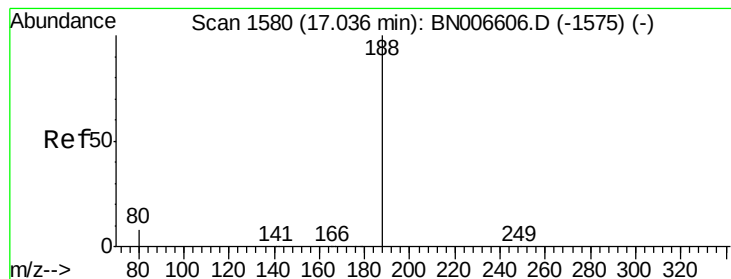
Tgt Ion:154 Resp: 112709
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.4
152 53.4 44.2 66.4



#18
Fluorene
Concen: 0.390 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006636.D
Acq: 29 Jun 2019 04:30

Tgt Ion:166 Resp: 22269
Ion Ratio Lower Upper
166 100
165 92.5 78.4 117.6
167 17.1 10.8 16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

W-4

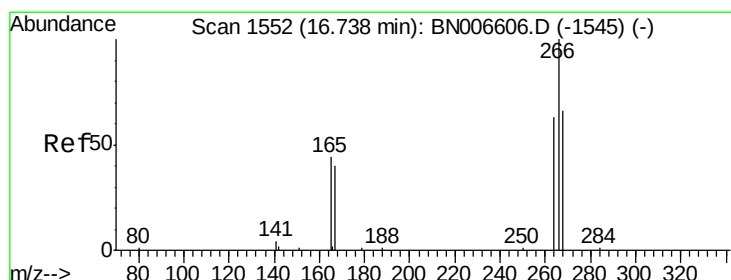
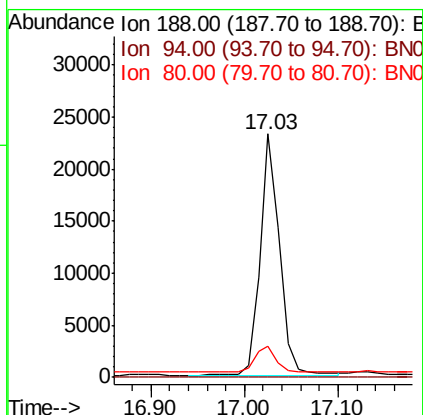
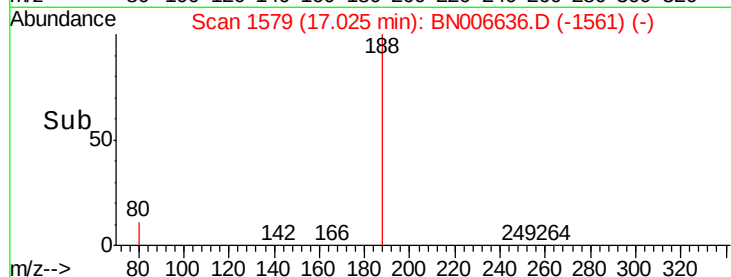
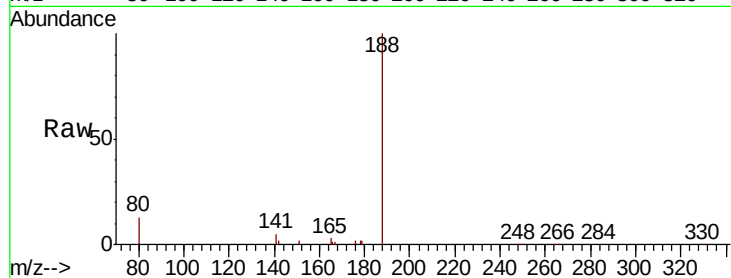
Tgt Ion:188 Resp: 33566

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.7 7.1 10.7#



#22

Pentachlorophenol

Concen: 0.200 ng

RT: 16.71 min Scan# 1549

Delta R.T. -0.03 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

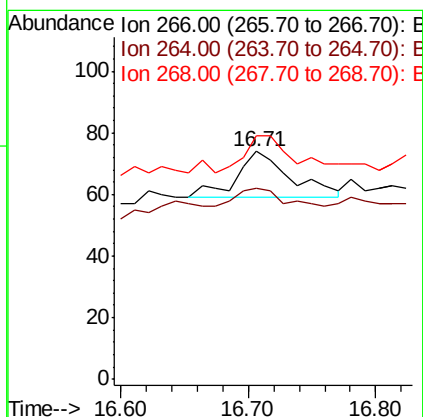
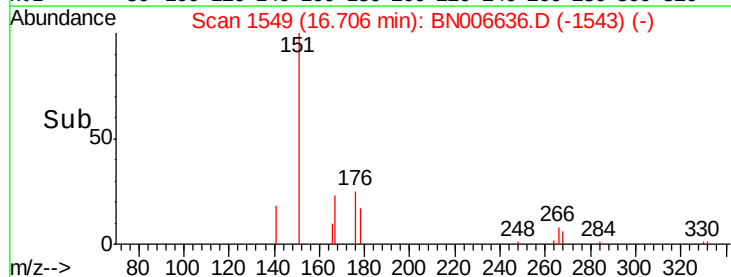
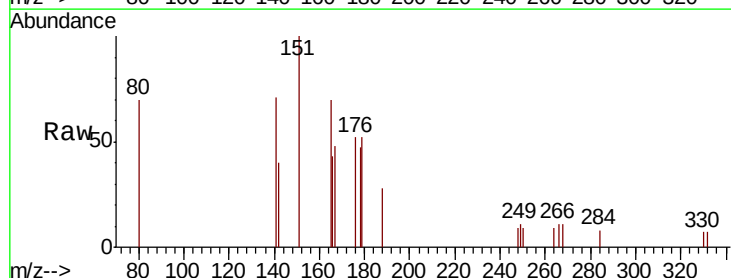
Tgt Ion:266 Resp: 45

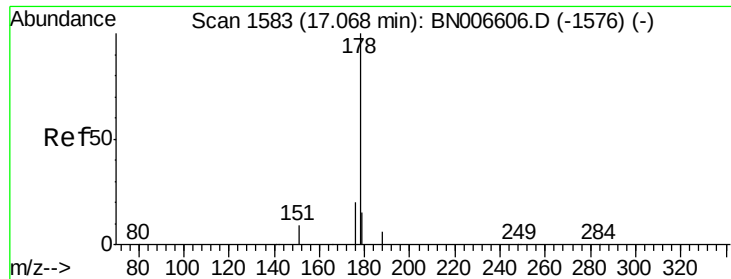
Ion Ratio Lower Upper

266 100

264 83.8 56.2 84.4

268 106.8 63.0 94.4#





#23

Phenanthrene

Concen: 0.053 ng

RT: 17.07 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampled :

W-4

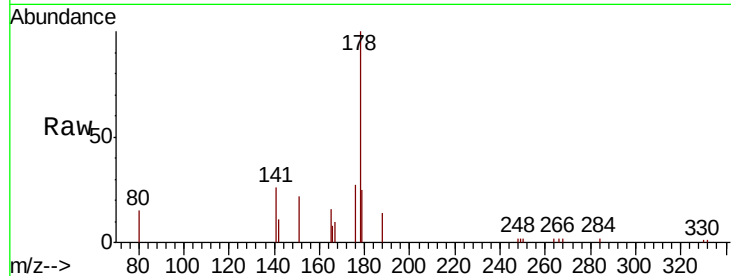
Tgt Ion:178 Resp: 5031

Ion Ratio Lower Upper

178 100

176 22.4 15.3 22.9

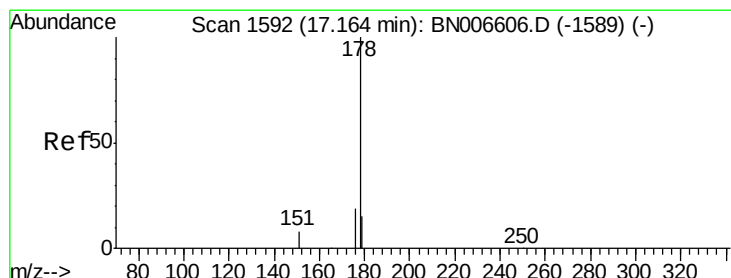
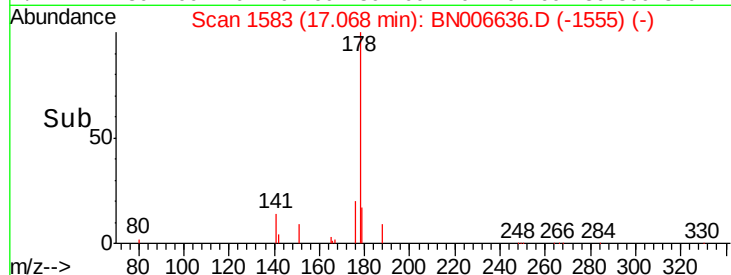
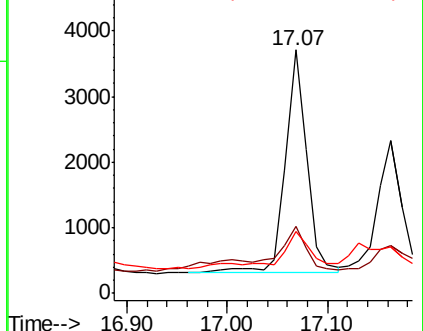
179 16.0 12.2 18.4



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: 0.037 ng

RT: 17.16 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

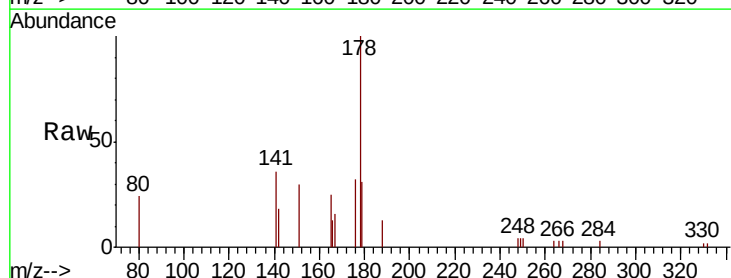
Tgt Ion:178 Resp: 3069

Ion Ratio Lower Upper

178 100

176 30.1 15.0 22.4#

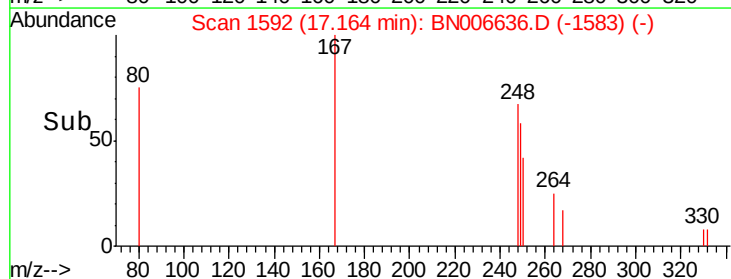
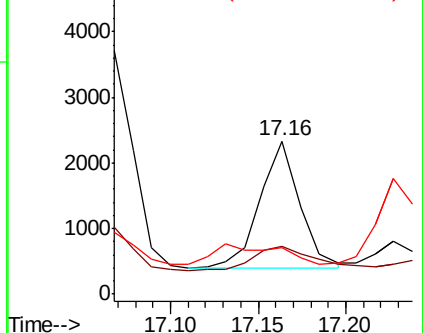
179 0.0 12.2 18.2#

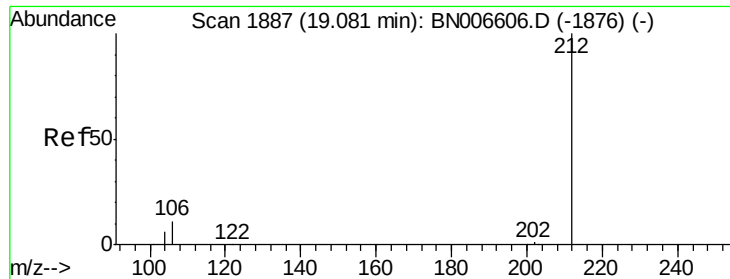


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.07 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

W-4

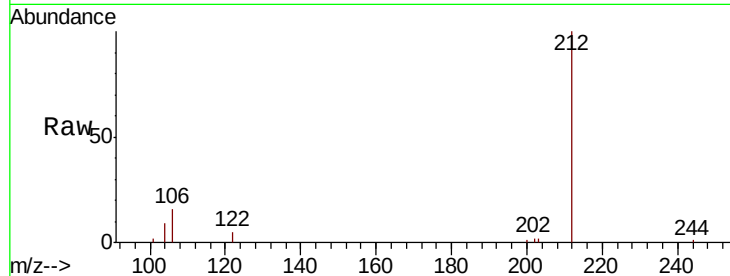
Tgt Ion:212 Resp: 35341

Ion Ratio Lower Upper

212 100

106 14.8 10.6 15.8

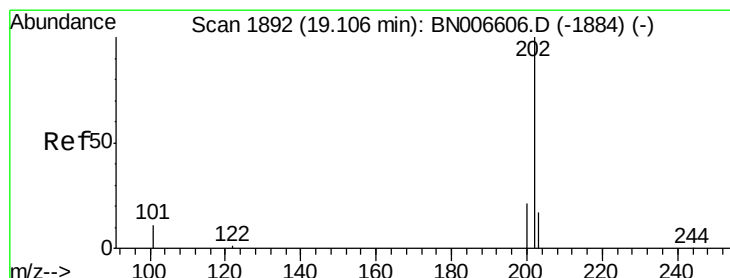
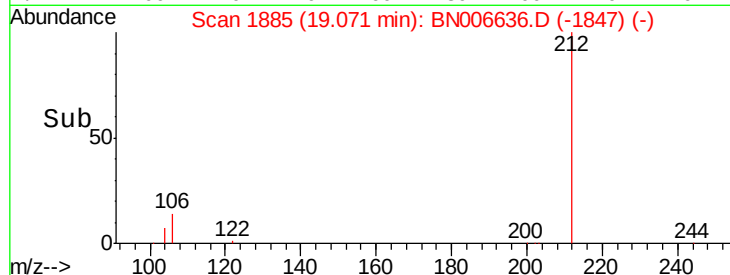
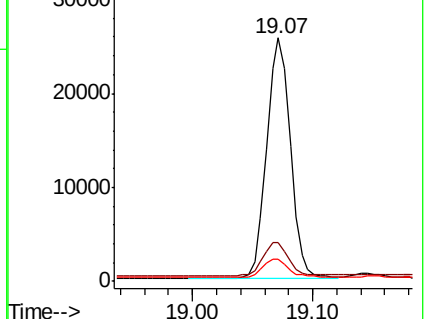
104 8.4 5.8 8.6



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: 0.028 ng

RT: 19.10 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

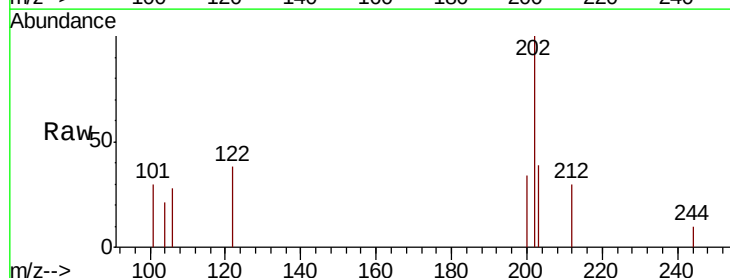
Tgt Ion:202 Resp: 3244

Ion Ratio Lower Upper

202 100

101 30.2 8.9 13.3#

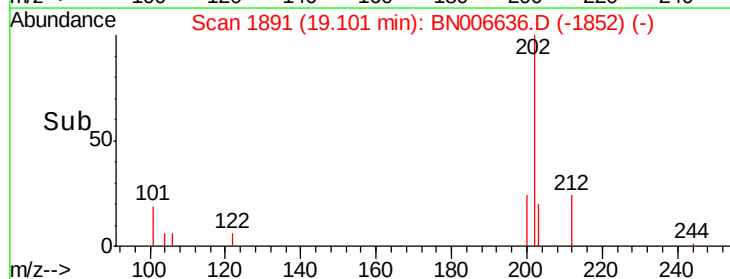
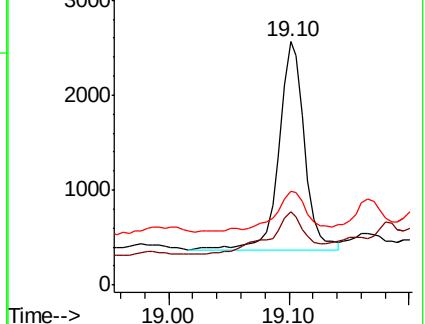
203 23.8 13.6 20.4#

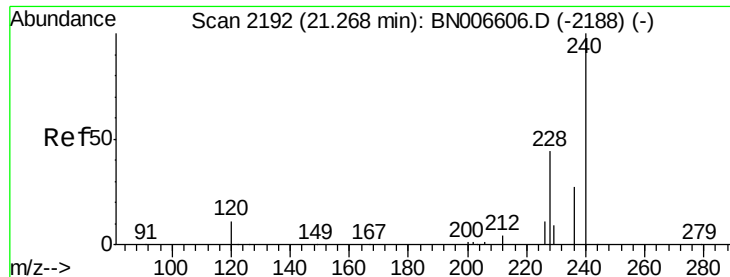


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2190

Delta R.T. -0.02 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

W-4

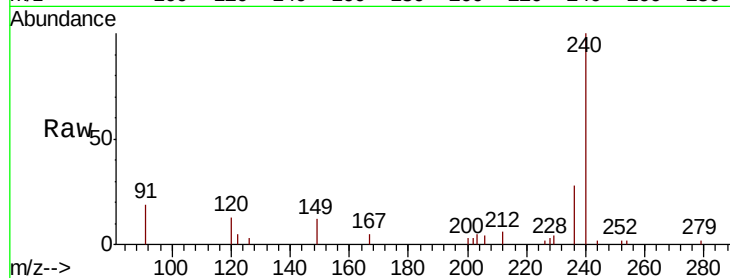
Tgt Ion:240 Resp: 30705

Ion Ratio Lower Upper

240 100

120 13.4 9.9 14.9

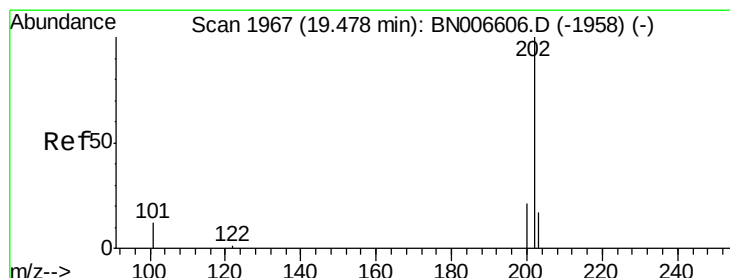
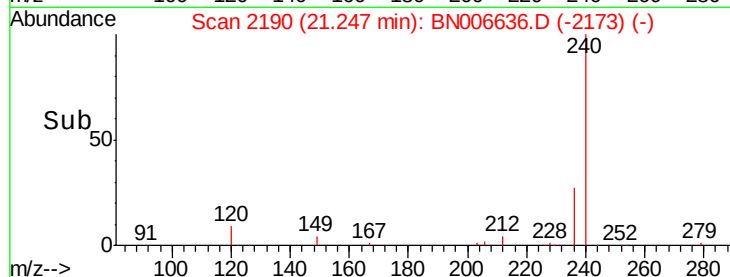
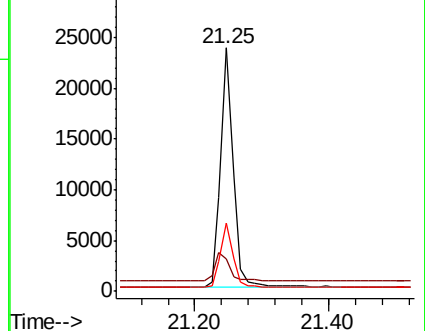
236 28.2 22.2 33.4



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

Pyrene

Concen: 0.022 ng

RT: 19.47 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

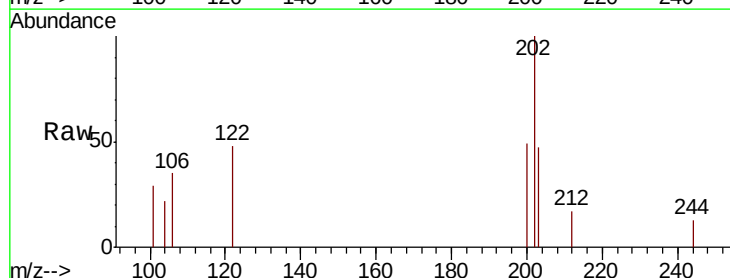
Tgt Ion:202 Resp: 2349

Ion Ratio Lower Upper

202 100

200 43.4 16.7 25.1#

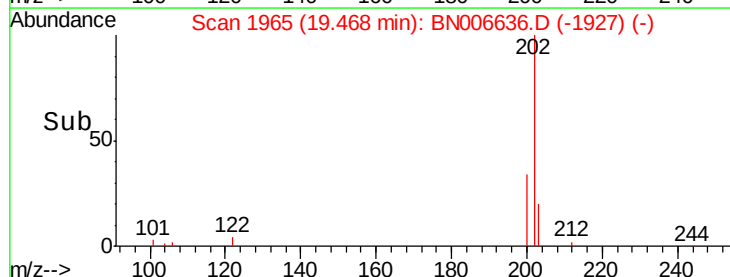
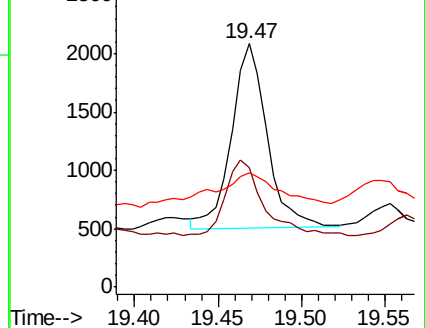
203 35.8 14.1 21.1#

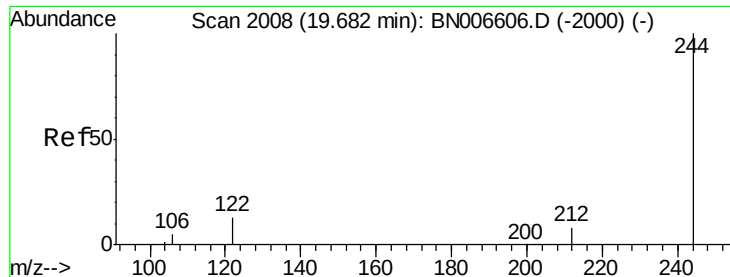


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.67 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

W-4

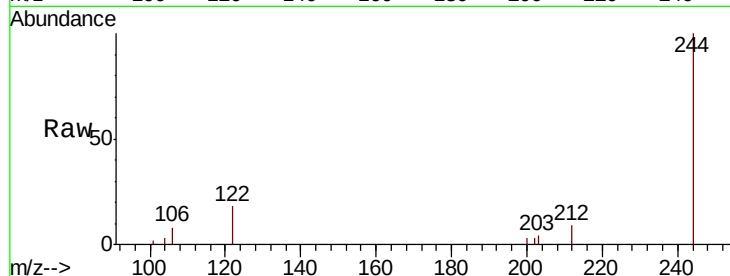
Tgt Ion:244 Resp: 25565

Ion Ratio Lower Upper

244 100

212 9.3 6.7 10.1

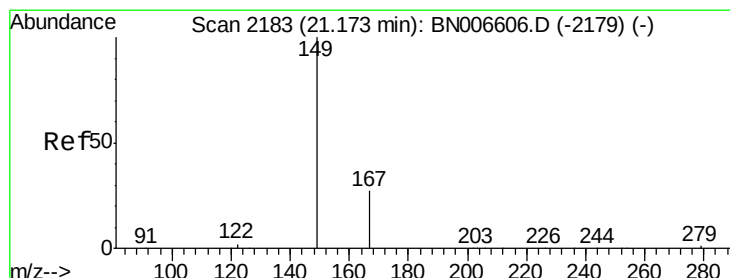
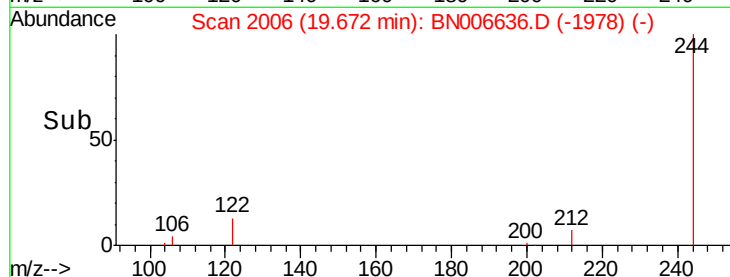
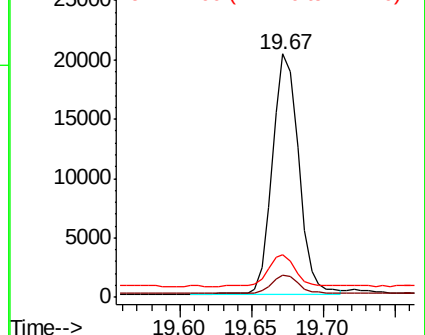
122 17.7 11.0 16.6#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.148 ng

RT: 21.15 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

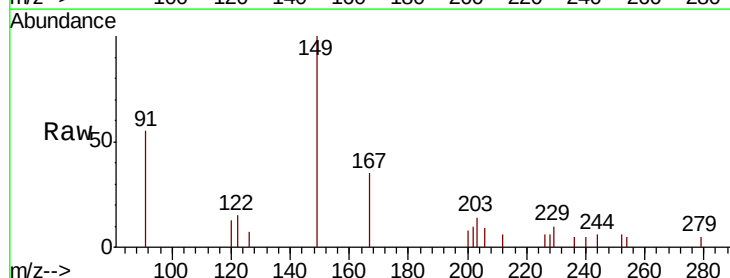
Tgt Ion:149 Resp: 7490

Ion Ratio Lower Upper

149 100

167 30.0 22.9 34.3

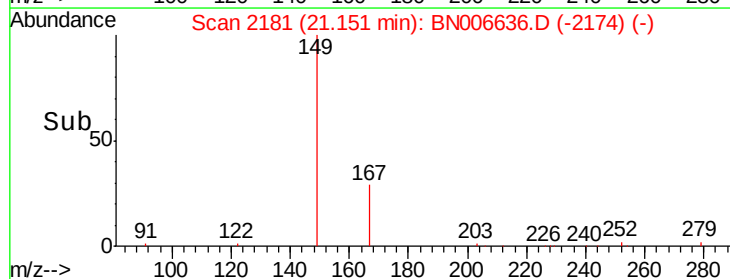
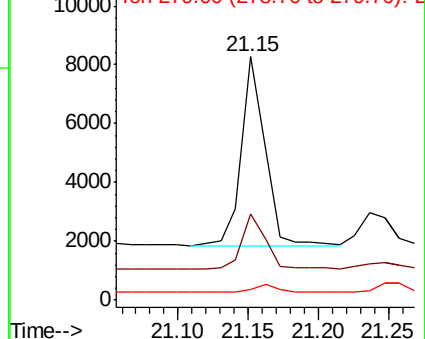
279 4.4 3.3 4.9

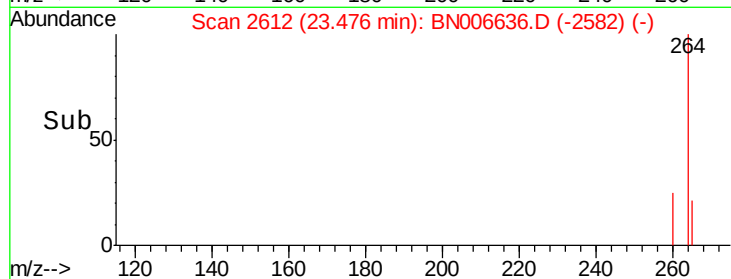
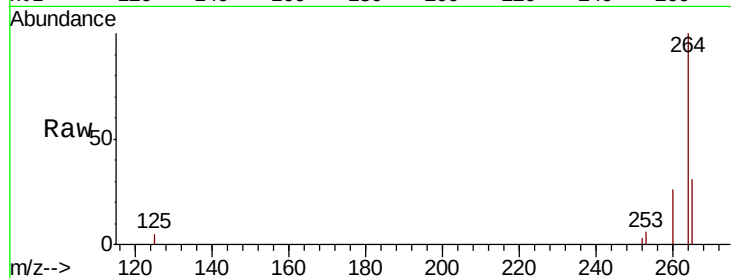
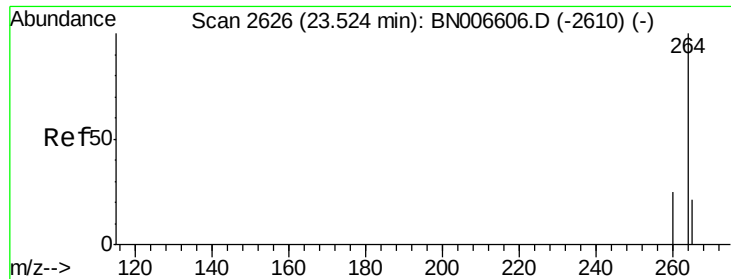


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.48 min Scan# 2612

Delta R.T. -0.05 min

Lab File: BN006636.D

Acq: 29 Jun 2019 04:30

Instrument :

BNA_N

ClientSampleId :

W-4

Tgt Ion:264 Resp: 28603

Ion Ratio Lower Upper

264 100

260 26.0 20.2 30.2

265 31.0 23.3 34.9

