

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006745.D
 Acq On : 06 Jul 2019 08:46
 Operator : HP/JU
 Sample : K3667-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190702

Quant Time: Jul 08 00:32:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 05:30:28 2019
 Response via : Initial Calibration

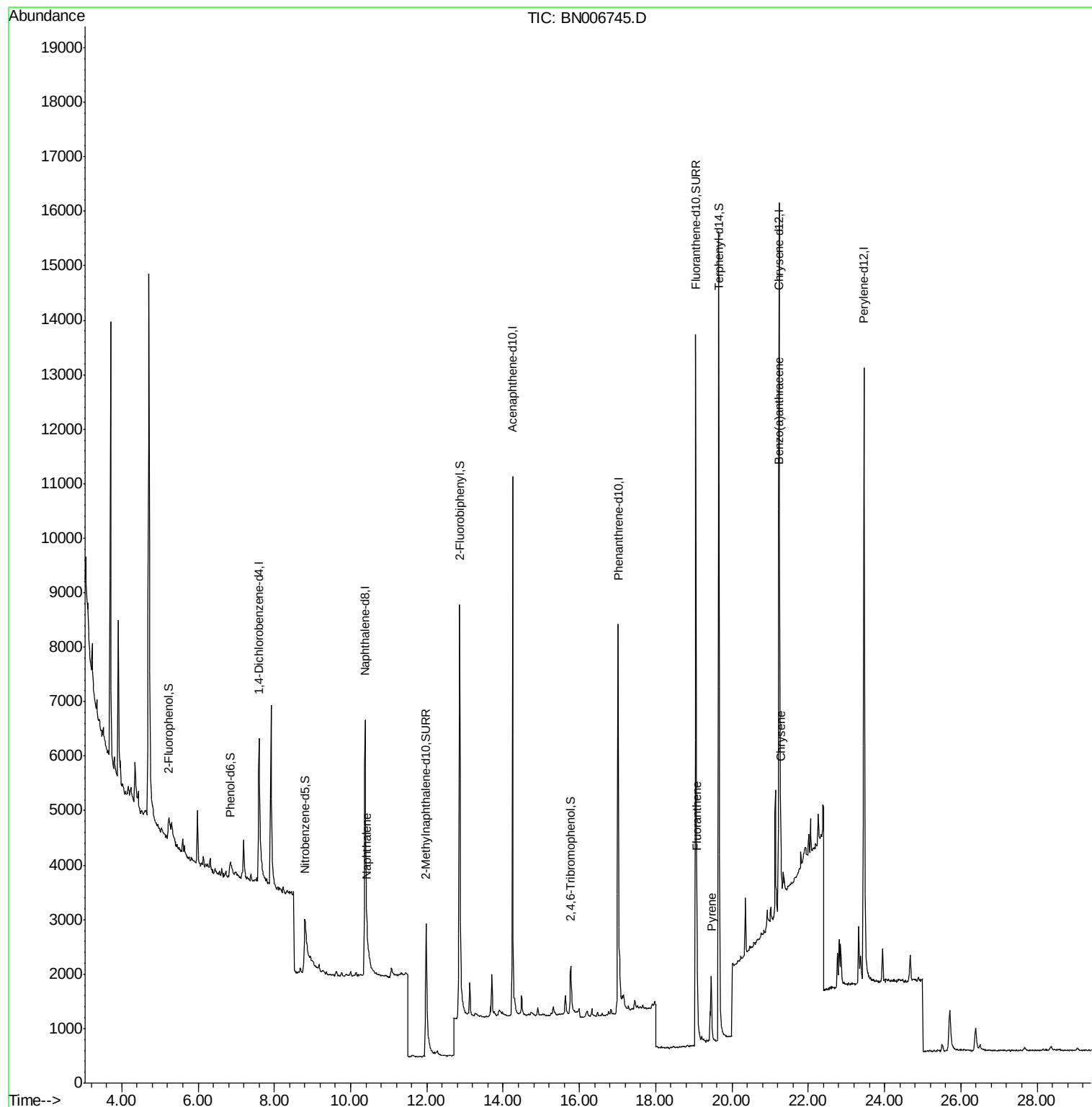
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2598	0.40	ng	-0.02
7) Naphthalene-d8	10.38	136	9874	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	6152	0.40	ng	-0.02
19) Phenanthrene-d10	17.01	188	13532	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	14207	0.40	ng	-0.02
34) Perylene-d12	23.46	264	16239	0.40	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	1068	0.15	ng	0.00
5) Phenol-d6	6.85	99	757	0.08	ng	0.02
8) Nitrobenzene-d5	8.79	82	2447	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.98	152	6065	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	1125	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	9417	0.39	ng	-0.02
25) Fluoranthene-d10	19.06	212	17957	0.46	ng	-0.02
29) Terphenyl-d14	19.66	244	17715	0.54	ng	-0.02
Target Compounds						
9) Naphthalene	10.43	128	681	0.025	ng	# 51
26) Fluoranthene	19.09	202	1405	0.031	ng	95
28) Pyrene	19.46	202	1249	0.022	ng	97
30) Benzo(a)anthracene	21.23	228	1104	0.023	ng	# 80
31) Chrysene	21.28	228	1416	0.028	ng	# 86

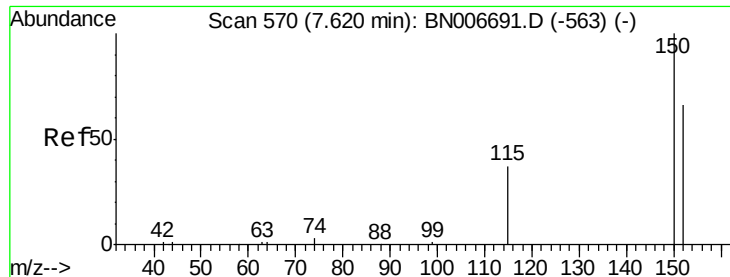
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 08 00:32:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.60 min Scan# 567

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

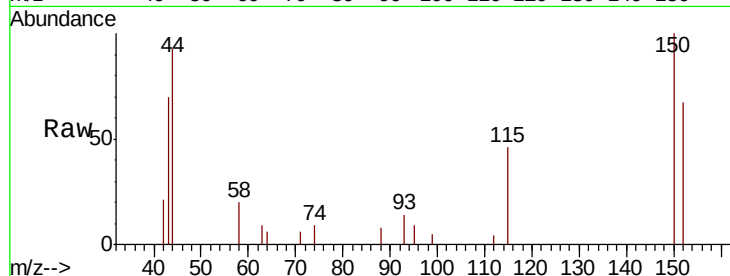
Tot Ion:152 Resp: 2598

Ion Ratio Lower Upper

152 100

150 150.0 120.6 181.0

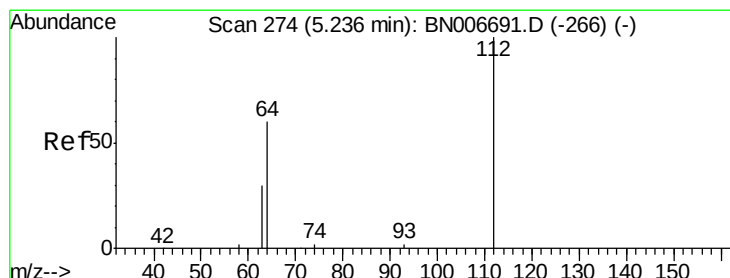
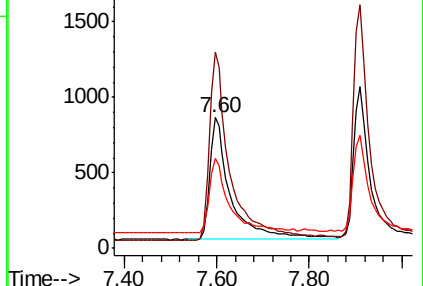
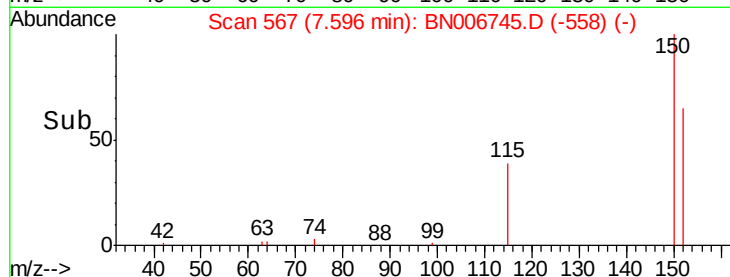
115 68.5 51.0 76.6



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: 0.151 ng

RT: 5.24 min Scan# 274

Delta R.T. -0.00 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

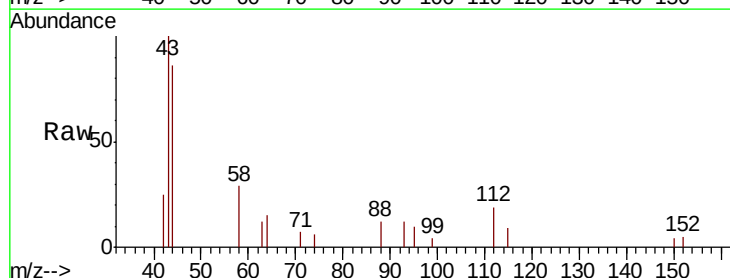
Tgt Ion:112 Resp: 1068

Ion Ratio Lower Upper

112 100

64 66.6 49.8 74.6

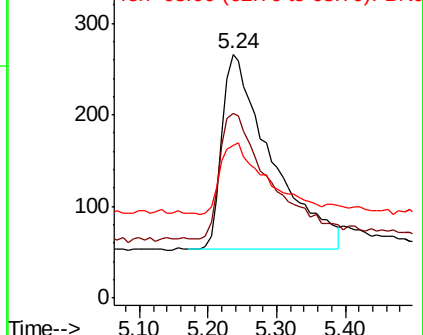
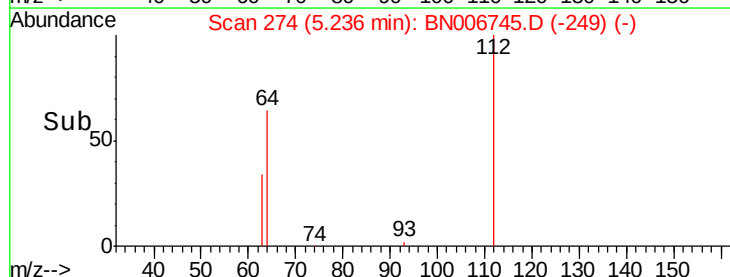
63 35.2 25.8 38.6

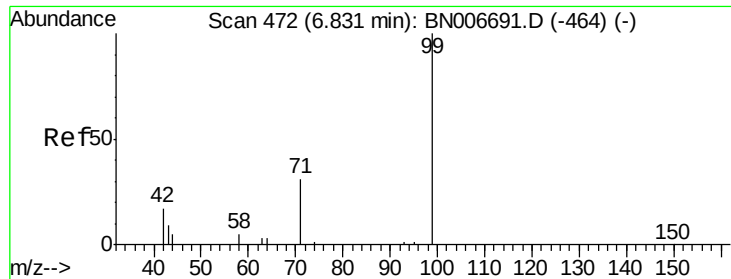


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.085 ng

RT: 6.85 min Scan# 474

Delta R.T. 0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

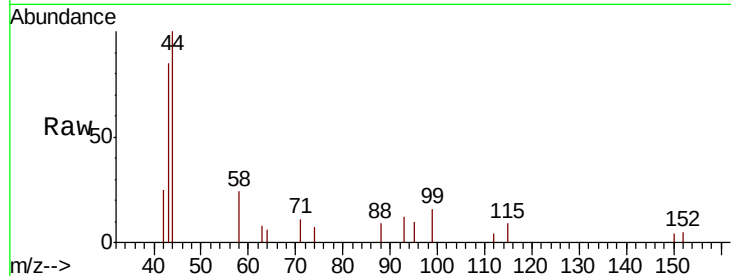
Tot Ion: 99 Resp: 757

Ion Ratio Lower Upper

99 100

42 11.4 16.6 25.0#

71 30.3 26.0 39.0

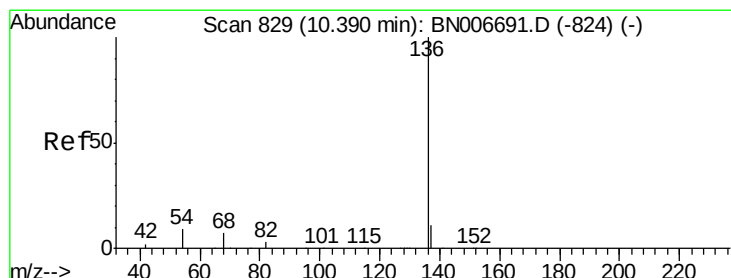
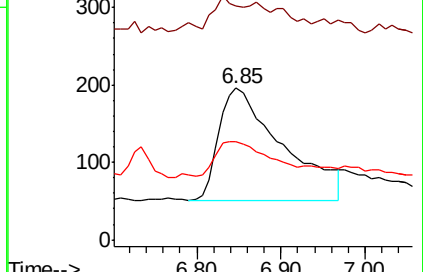
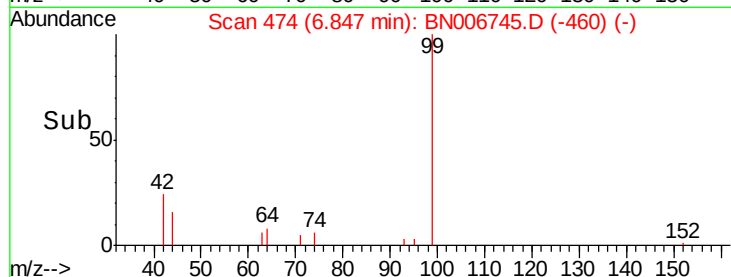


Abundance Ion 99.00 (98.70 to 99.70): BN006691.D (-464) (-)

Ion 42.00 (41.70 to 42.70): BN006691.D (-464) (-)

Ion 71.00 (70.70 to 71.70): BN006691.D (-464) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 828

Delta R.T. -0.01 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Tgt Ion: 136 Resp: 9874

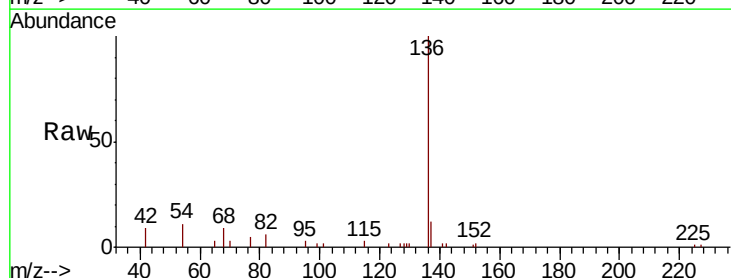
Ion Ratio Lower Upper

136 100

137 12.2 9.3 13.9

54 11.0 8.4 12.6

68 8.9 6.8 10.2



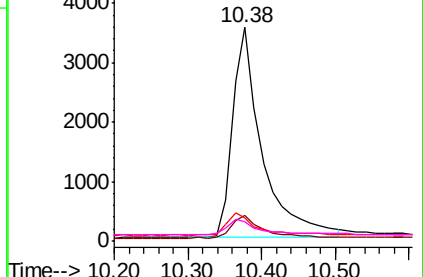
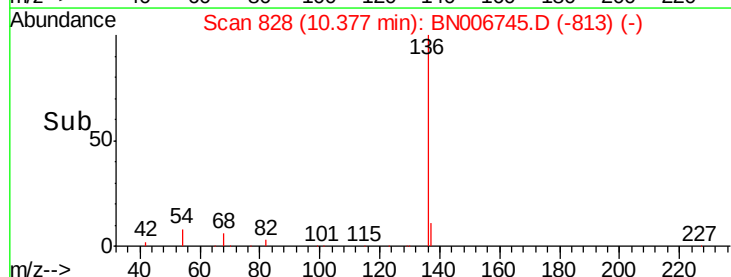
Abundance Ion 136.00 (135.70 to 136.70): BN006691.D (-824) (-)

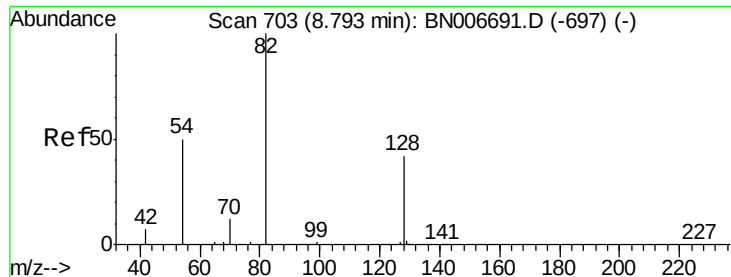
Ion 137.00 (136.70 to 137.70): BN006691.D (-824) (-)

Ion 54.00 (53.70 to 54.70): BN006691.D (-824) (-)

Ion 68.00 (67.70 to 68.70): BN006691.D (-824) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.323 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

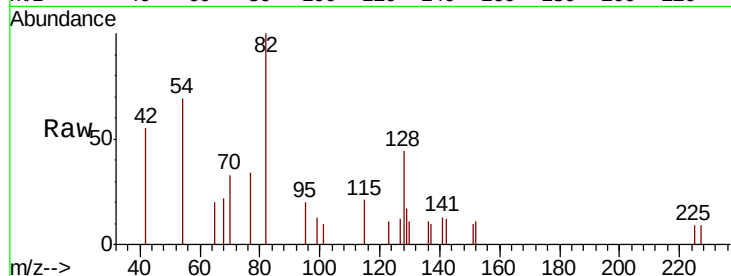
Tot Ion: 82 Resp: 2447

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

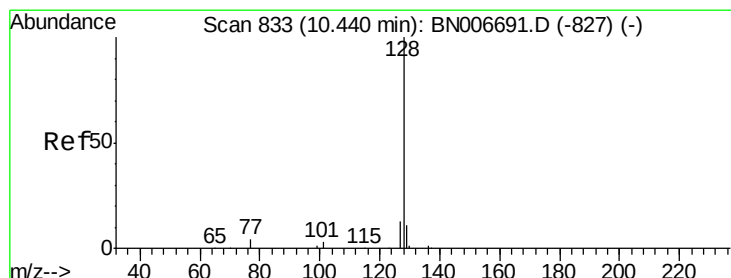
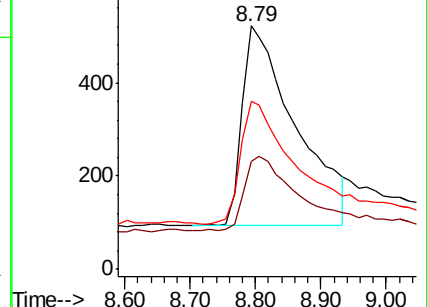
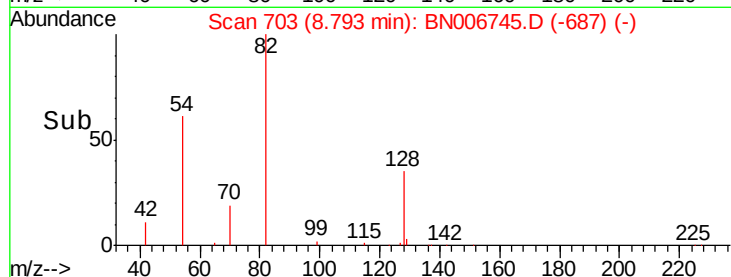
54 69.0 44.5 66.7#



Abundance Ion 82.00 (81.70 to 82.70): BN006745.D (-687) (-)

Ion 128.00 (127.70 to 128.70): BN006745.D (-687) (-)

Ion 54.00 (53.70 to 54.70): BN006745.D (-687) (-)



#9

Naphthalene

Concen: 0.025 ng

RT: 10.43 min Scan# 832

Delta R.T. -0.01 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

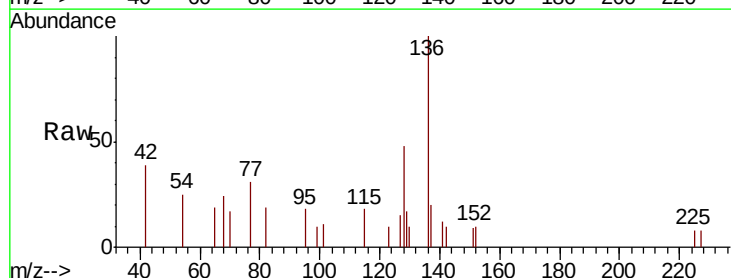
Tgt Ion: 128 Resp: 681

Ion Ratio Lower Upper

128 100

129 34.4 9.6 14.4#

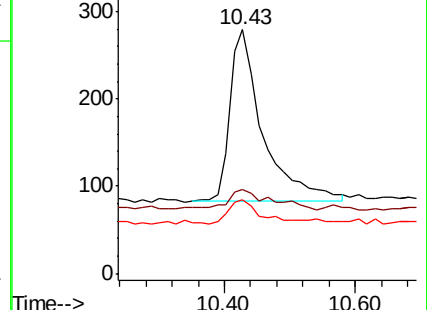
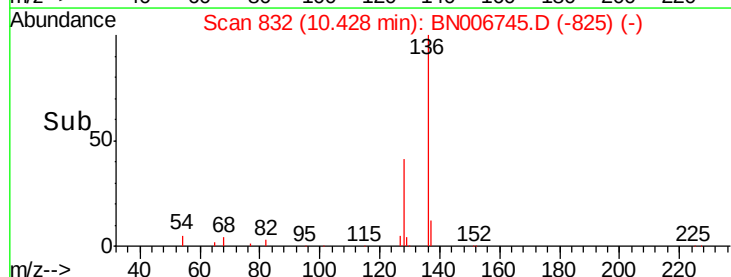
127 30.5 11.0 16.4#

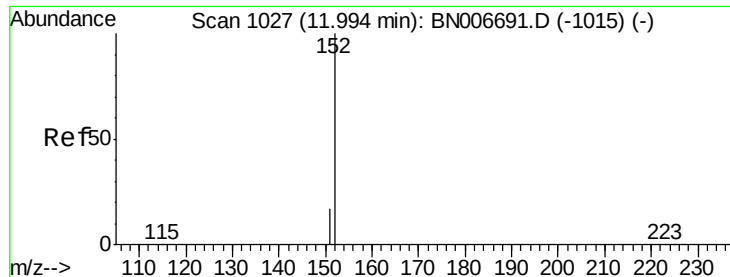


Abundance Ion 128.00 (127.70 to 128.70): BN006745.D (-825) (-)

Ion 129.00 (128.70 to 129.70): BN006745.D (-825) (-)

Ion 127.00 (126.70 to 127.70): BN006745.D (-825) (-)

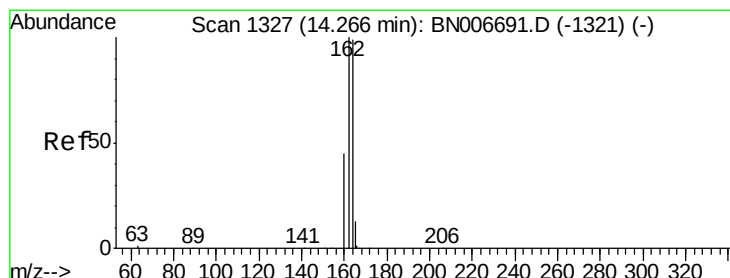
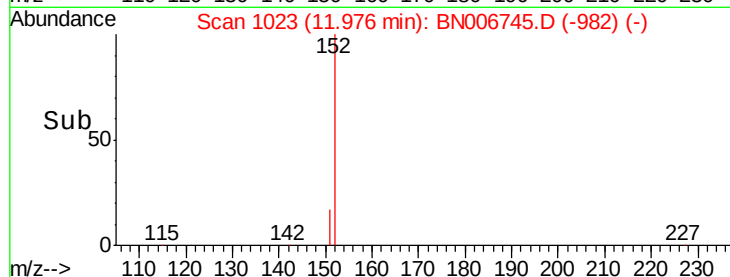
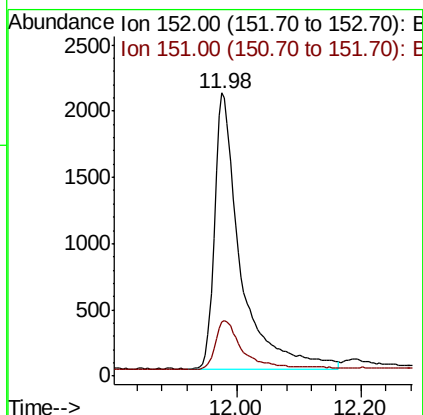
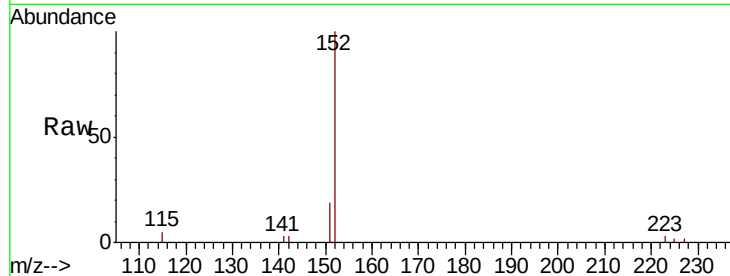




#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 11.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

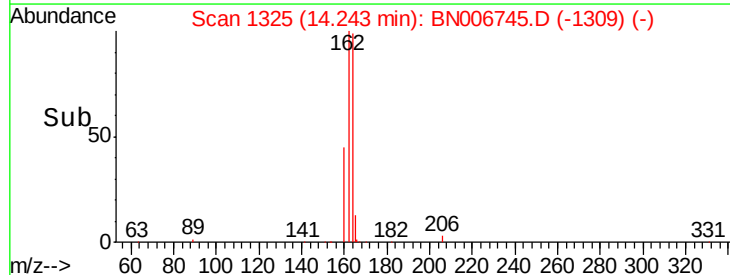
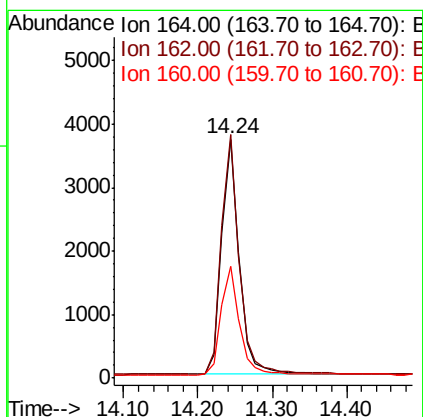
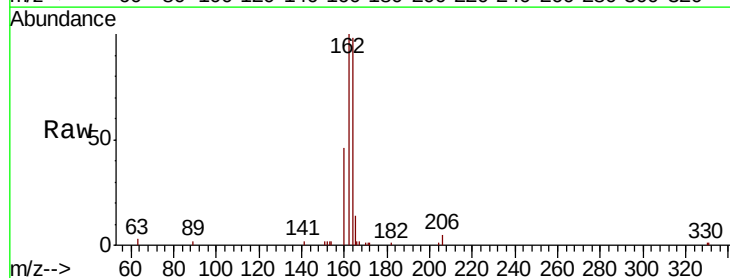
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190702

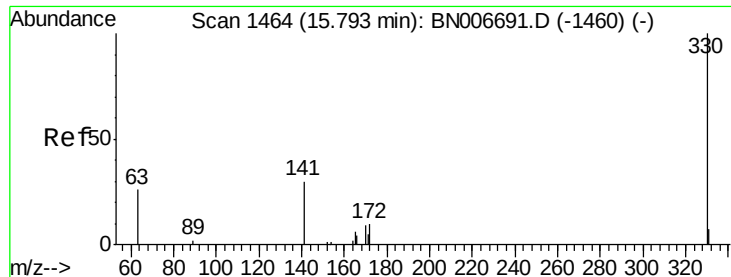
Tot Ion:152 Resp: 6065
Ion Ratio Lower Upper
152 100
151 18.8 14.9 22.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Tgt Ion:164 Resp: 6152
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 46.5 37.0 55.6

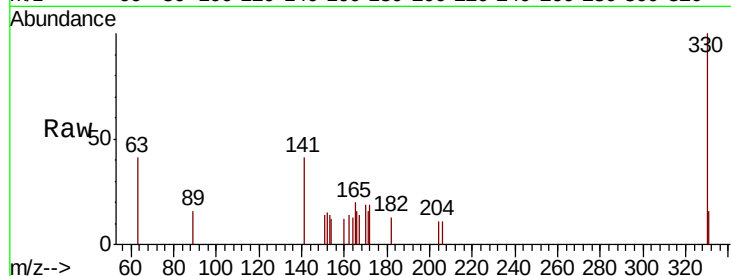




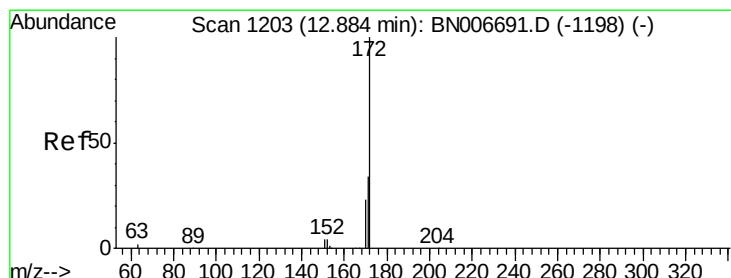
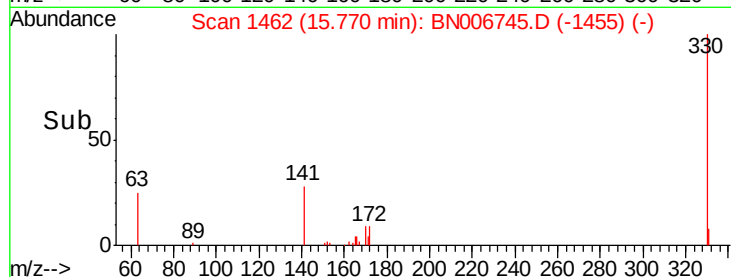
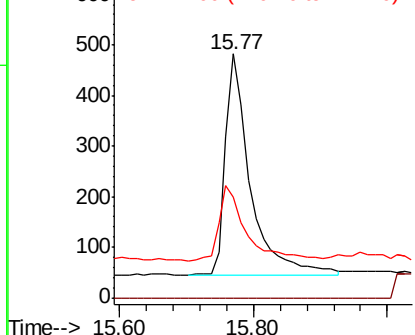
#14
 2,4,6-Tribromophenol
 Concen: 0.372 ng
 RT: 15.77 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190702

Tot Ion:330 Resp: 1125
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 38.0 24.8 37.2#

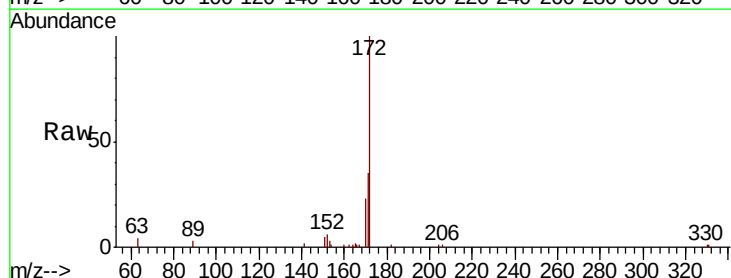


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

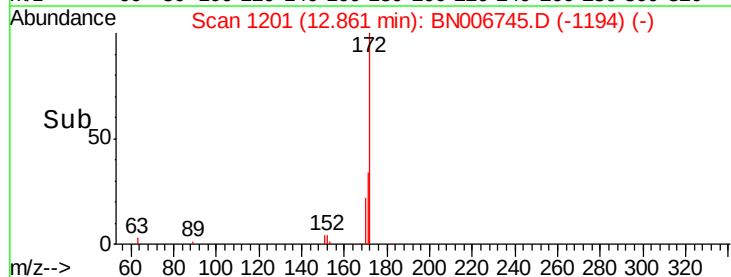
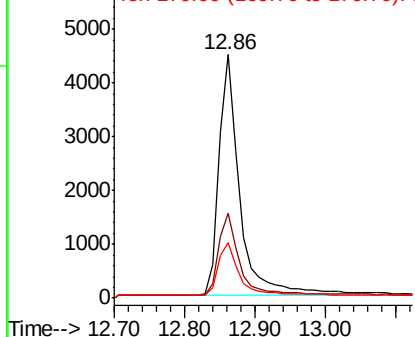


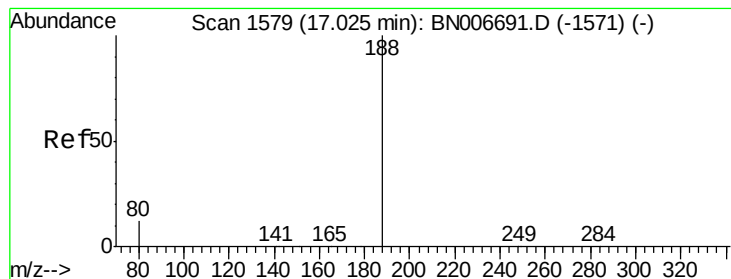
#15
 2-Fluorobiphenyl
 Concen: 0.391 ng
 RT: 12.86 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

Tgt Ion:172 Resp: 9417
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.6
 170 22.6 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.01 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

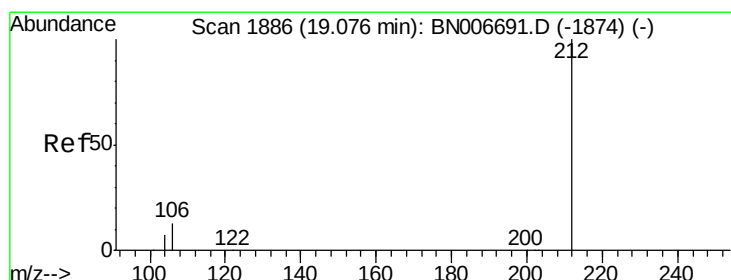
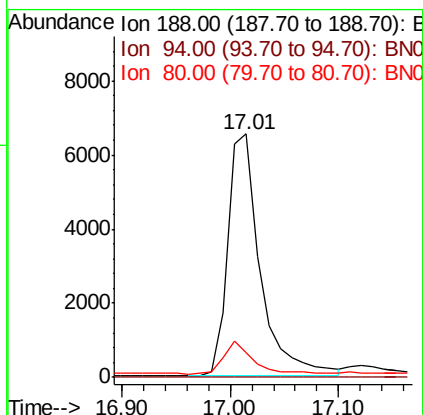
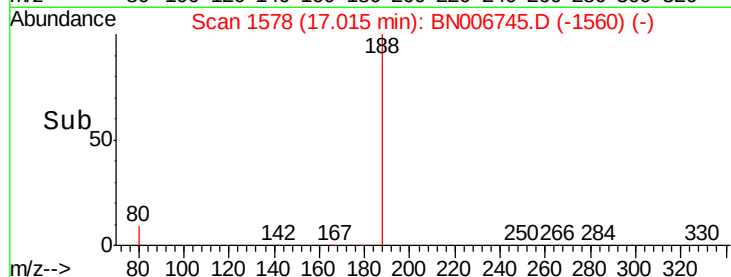
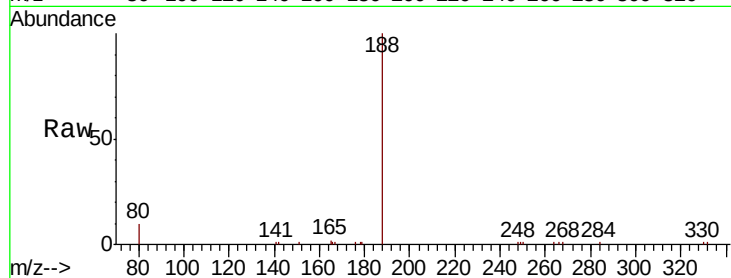
Tot Ion:188 Resp: 13532

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 10.3 15.5#



#25

Fluoranthene-d10

Concen: 0.464 ng

RT: 19.06 min Scan# 1882

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

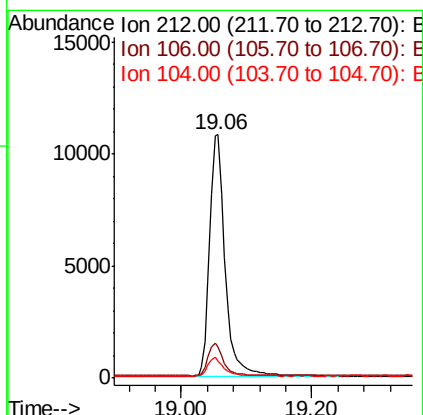
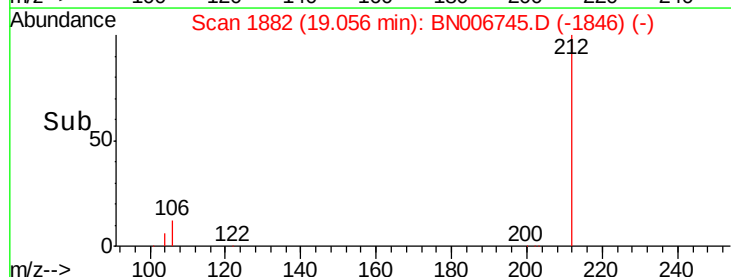
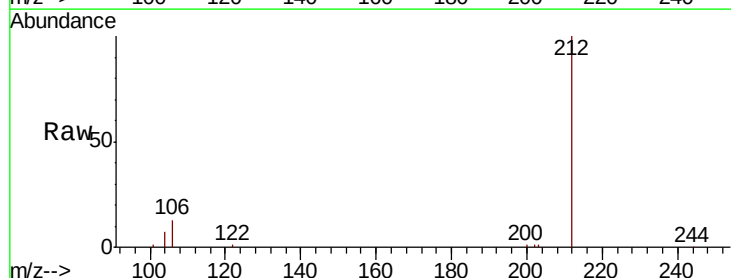
Tgt Ion:212 Resp: 17957

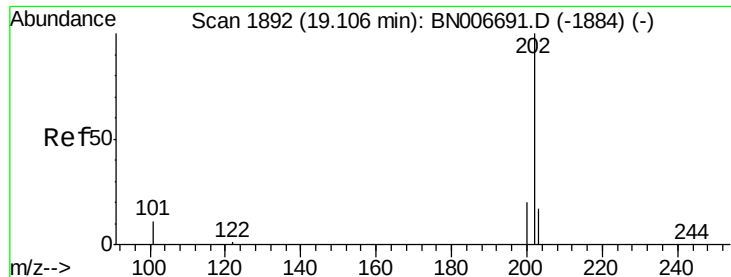
Ion Ratio Lower Upper

212 100

106 13.3 11.0 16.6

104 7.5 6.1 9.1

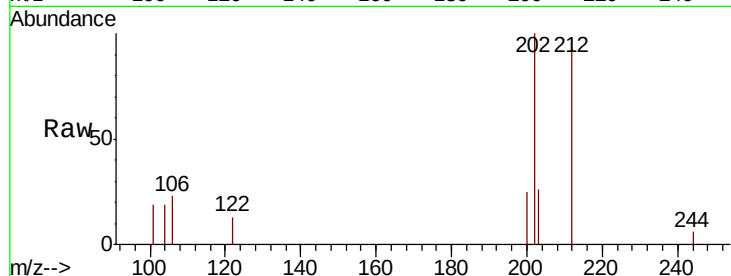




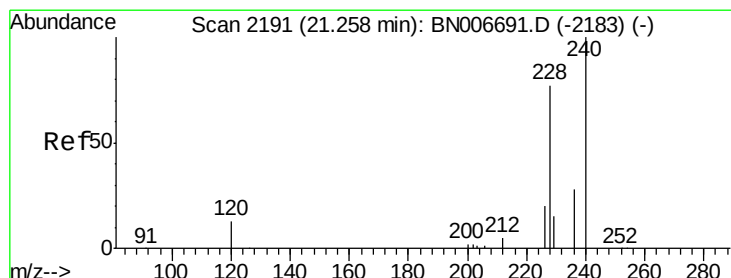
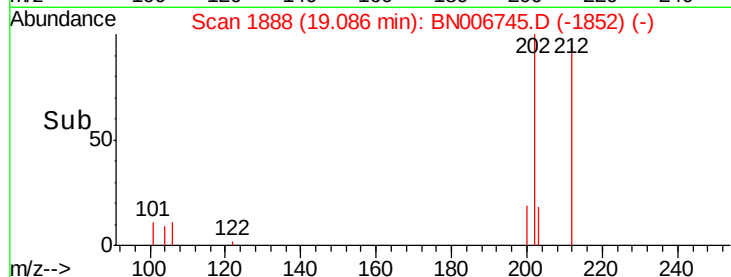
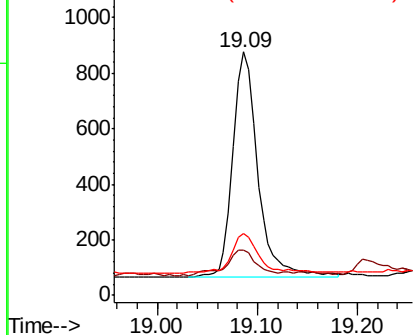
#26
Fluoranthene
Concen: 0.031 ng
RT: 19.09 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190702

Tot Ion:202 Resp: 1405
Ion Ratio Lower Upper
202 100
101 12.9 8.7 13.1
203 19.1 13.8 20.6

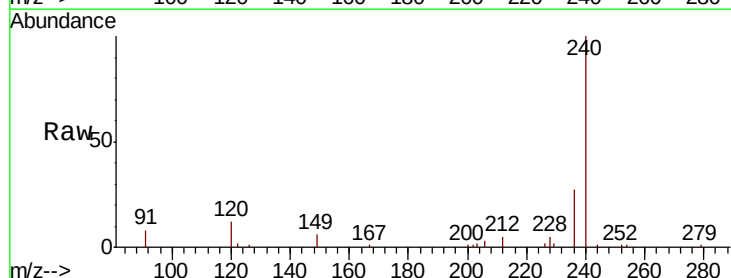


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

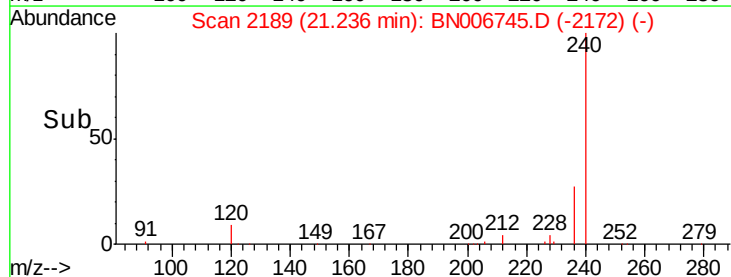
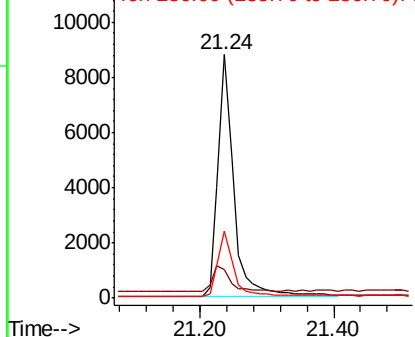


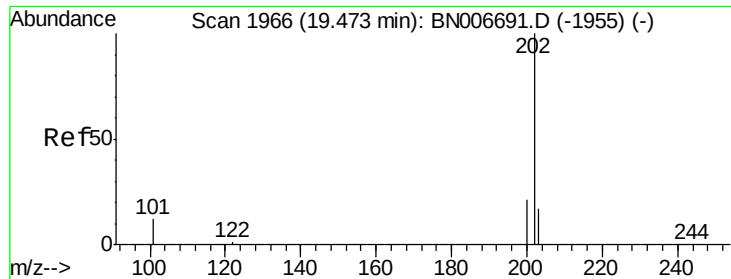
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Tgt Ion:240 Resp: 14207
Ion Ratio Lower Upper
240 100
120 11.8 12.9 19.3#
236 27.4 23.2 34.8



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

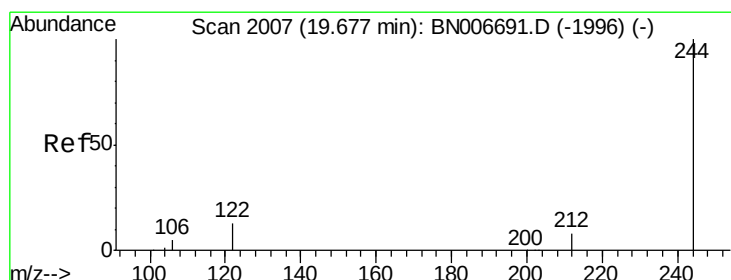
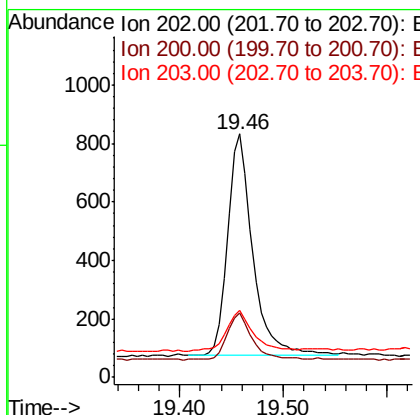
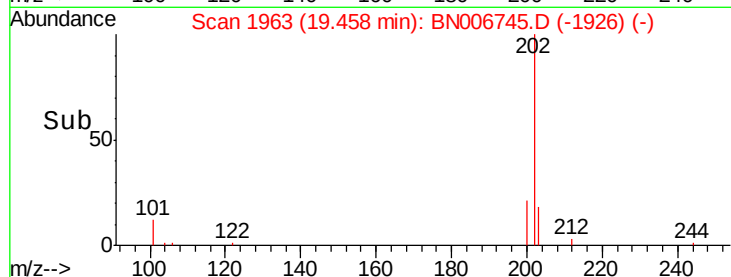
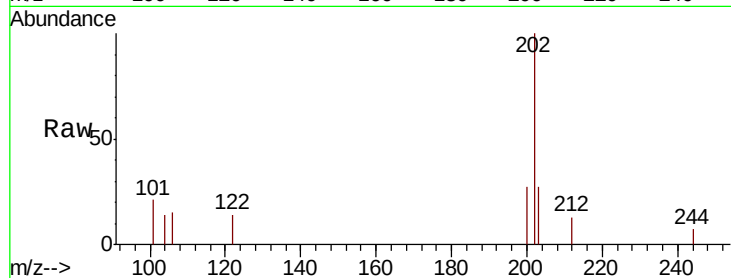




#28
Pvrene
Concen: 0.022 ng
RT: 19.46 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

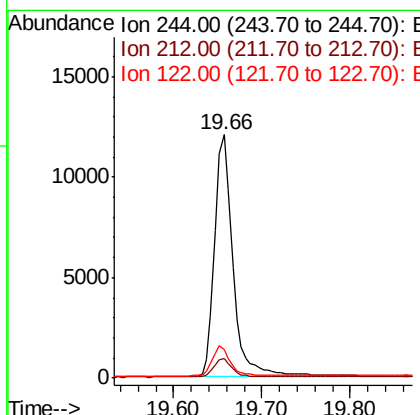
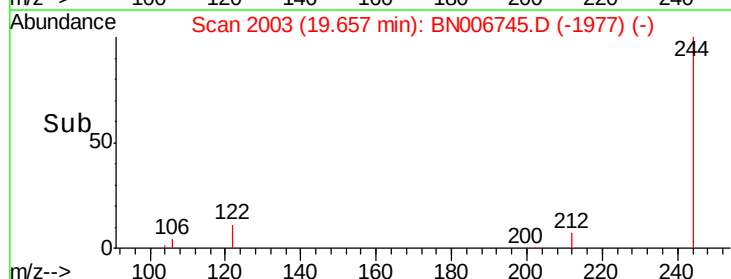
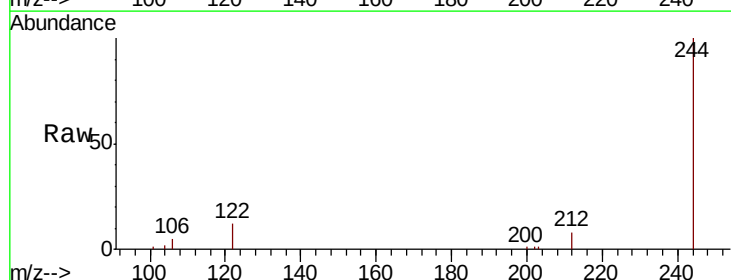
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190702

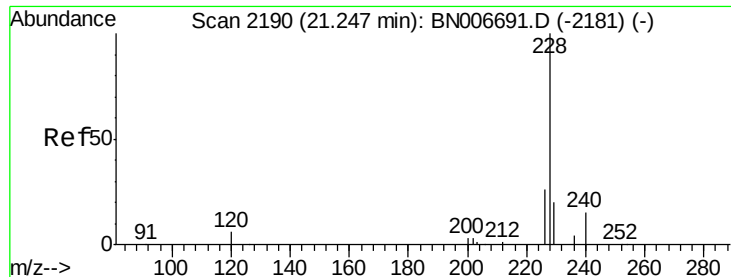
Tot Ion:202 Resp: 1249
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 19.9 14.2 21.2



#29
Terphenyl-d14
Concen: 0.542 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Tgt Ion:244 Resp: 17715
Ion Ratio Lower Upper
244 100
212 7.8 7.0 10.4
122 11.7 11.5 17.3





#30

Benzo(a)anthracene

Concen: 0.023 ng

RT: 21.23 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

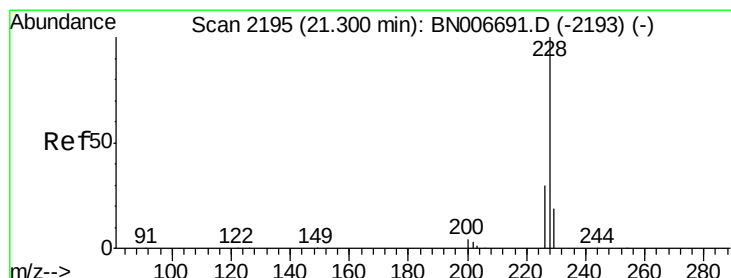
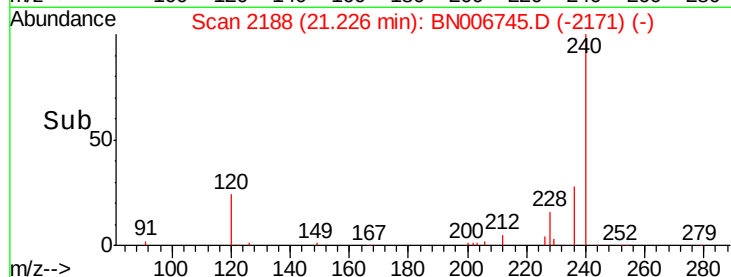
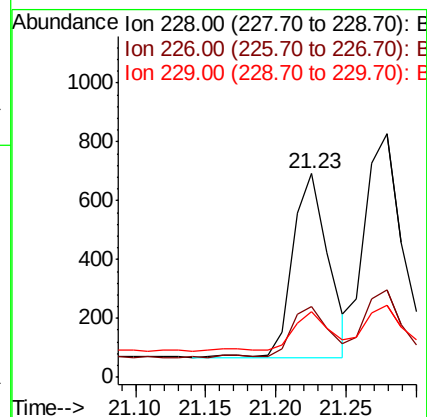
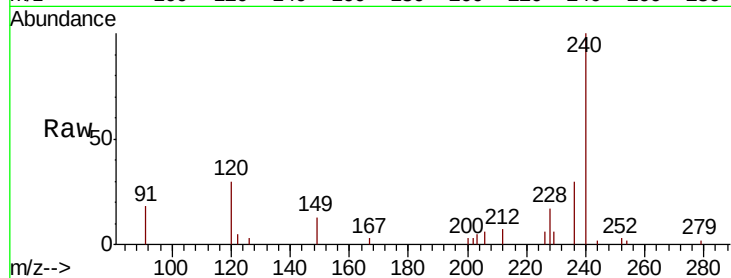
Tot Ion:228 Resp: 1104

Ion Ratio Lower Upper

228 100

226 35.0 21.5 32.3#

229 32.4 16.2 24.4#



#31

Chrysene

Concen: 0.028 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

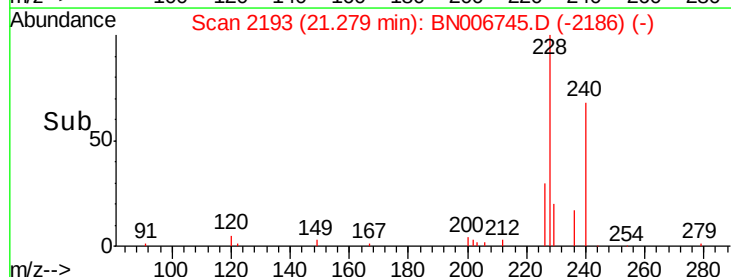
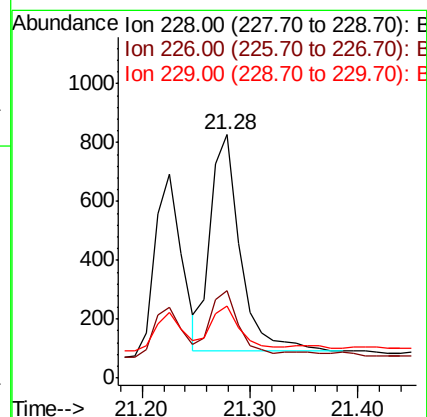
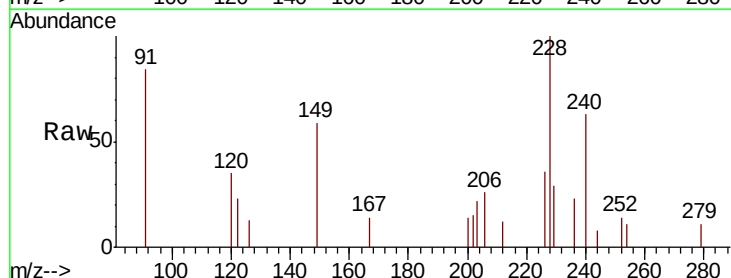
Tgt Ion:228 Resp: 1416

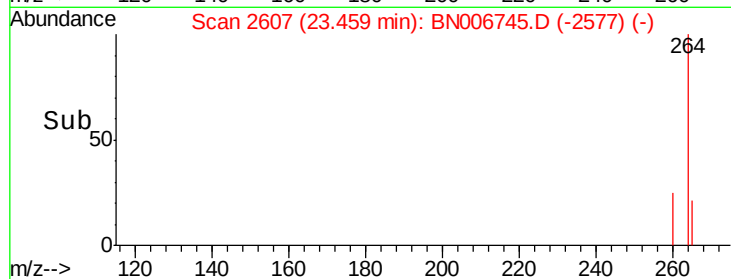
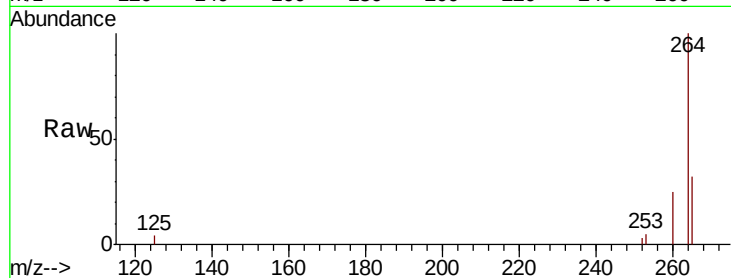
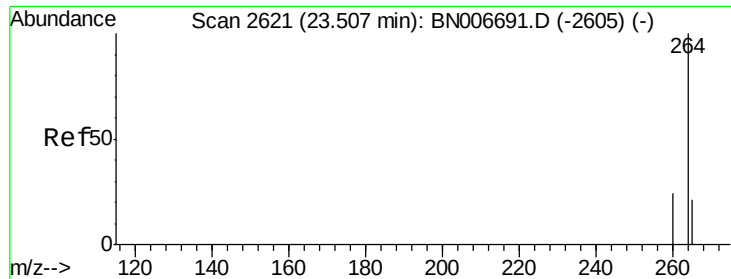
Ion Ratio Lower Upper

228 100

226 35.7 24.2 36.2

229 29.4 15.8 23.6#





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2607
 Delta R.T. -0.05 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190702

Tot Ion: 264 Resp: 16239
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.2
 265 31.9 33.7 50.5#

