

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 00:25:14 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

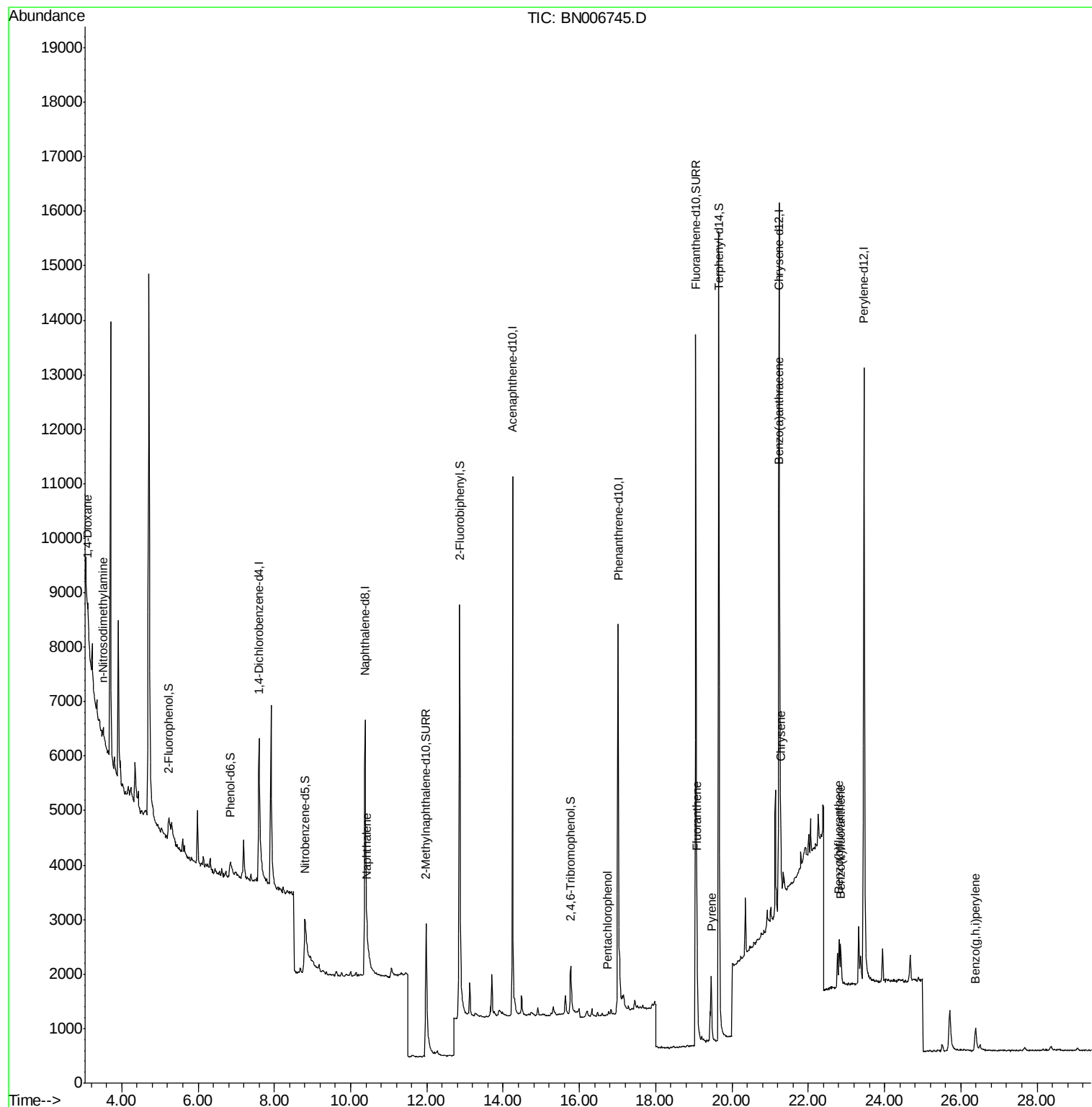
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	334	0.082	ng	# 67
3) n-Nitrosodimethylamine	3.51	42	76	0.025	ng	# 1
9) Naphthalene	10.43	128	681	0.025	ng	# 51
12) 2-Methylnaphthalene	12.06	142	75	Below Cal		# 42
22) Pentachlorophenol	16.74	266	4	0.113	ng	# 79
26) Fluoranthene	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
35) Benzo(b)fluoranthene	22.81	252	1158	0.022	ng	# 31
36) Benzo(k)fluoranthene	22.85	252	1201	0.021	ng	# 26
39) Benzo(g,h,i)perylene	26.39	276	1043	0.020	ng	# 61

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

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#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

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BNA_N

ClientSampleId :

OUTFALL001-190702

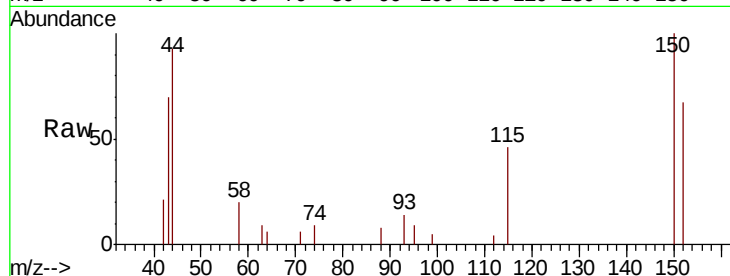
Tgt Ion: 152 Resp: 2598

Ion Ratio Lower Upper

152 100

150 150.0 120.6 181.0

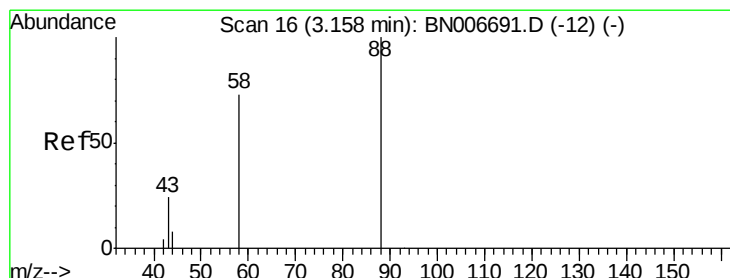
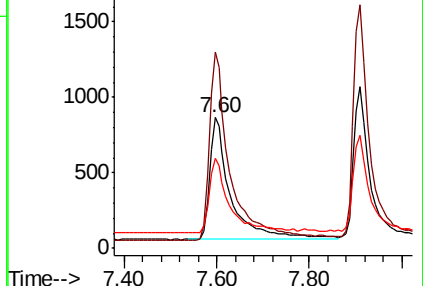
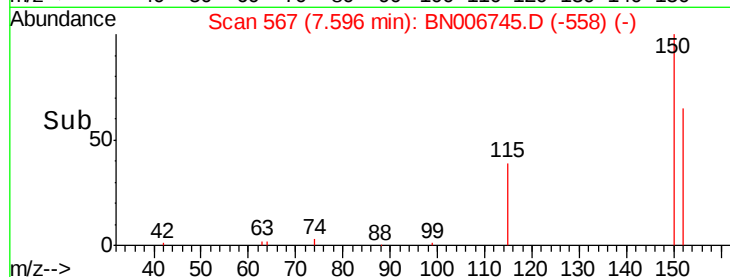
115 68.5 51.0 76.6



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



#2

1,4-Dioxane

Concen: 0.082 ng

RT: 3.12 min Scan# 11

Delta R.T. -0.04 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

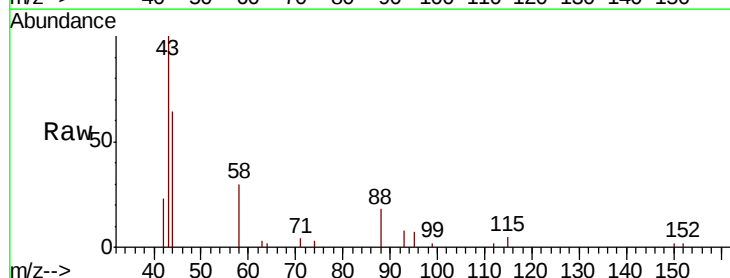
Tgt Ion: 88 Resp: 334

Ion Ratio Lower Upper

88 100

58 89.5 61.1 91.7

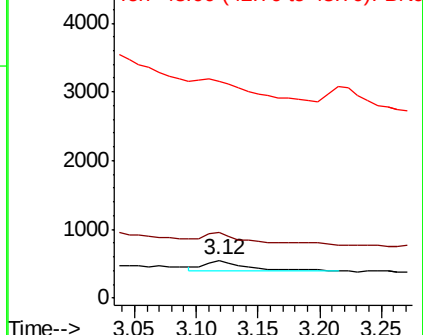
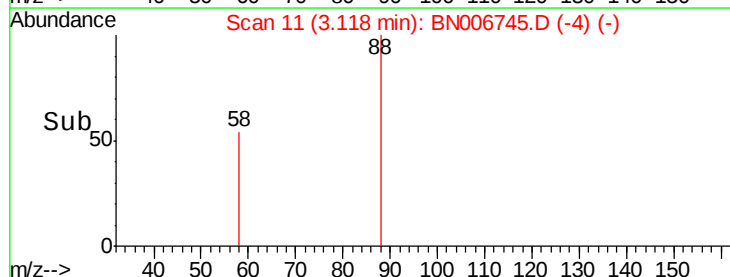
43 0.0 32.4 48.6#



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: 0.025 ng

RT: 3.51 min Scan# 60

Delta R.T. 0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

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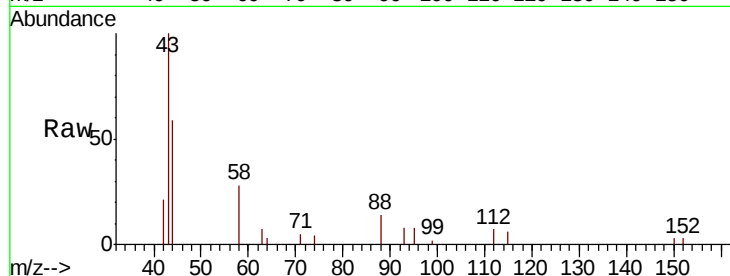
Tgt Ion: 42 Resp: 76

Ion Ratio Lower Upper

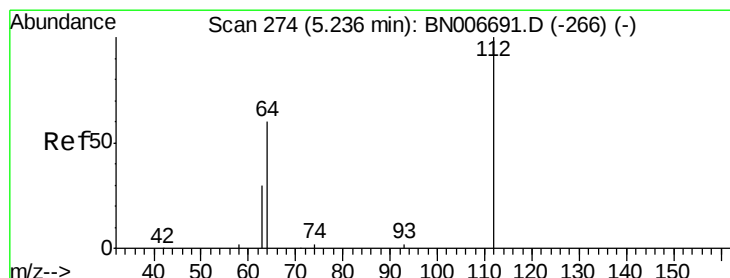
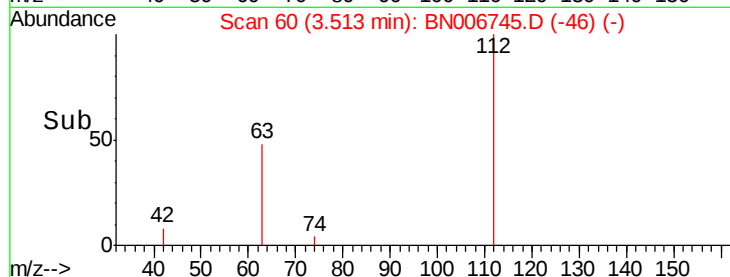
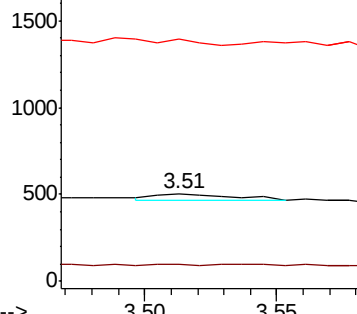
42 100

74 0.0 106.6 160.0#

44 0.0 8.0 12.0#



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: 0.151 ng

RT: 5.24 min Scan# 274

Delta R.T. -0.00 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

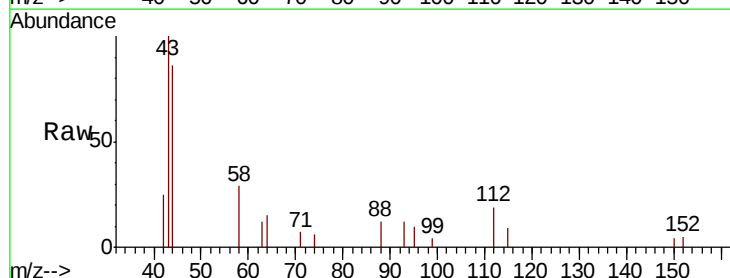
Tgt Ion: 112 Resp: 1068

Ion Ratio Lower Upper

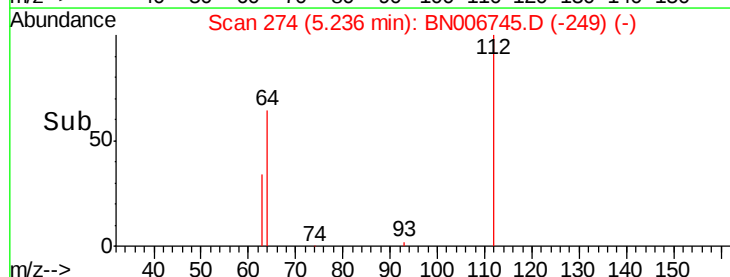
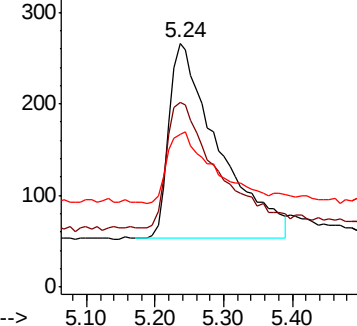
112 100

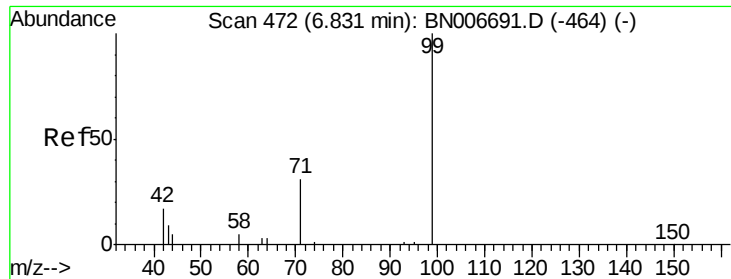
64 66.6 49.8 74.6

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): BN0
Ion 63.00 (62.70 to 63.70): BN0





#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 :

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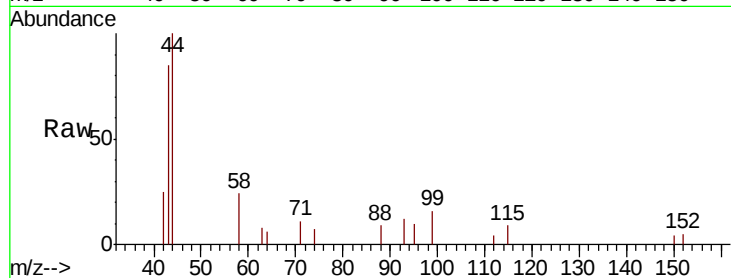
Tgt Ion: 99 Resp: 757

Ion Ratio Lower Upper

99 100

42 11.4 16.6 25.0#

71 30.3 26.0 39.0

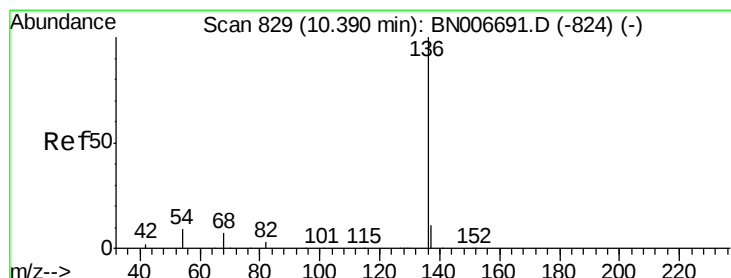
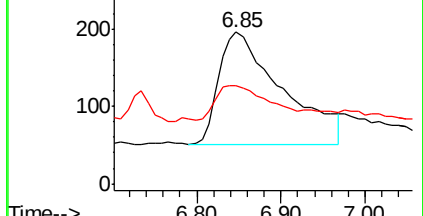
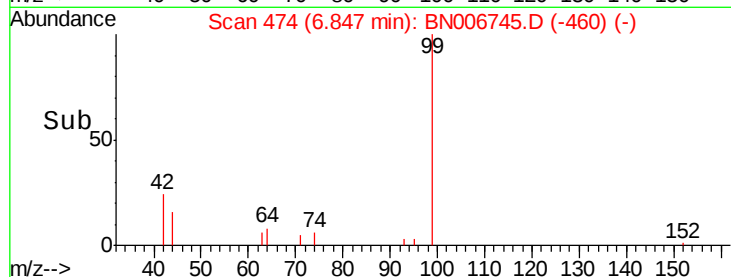


Abundance Ion 99.00 (98.70 to 99.70): BN006691.D (-464) (-)

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

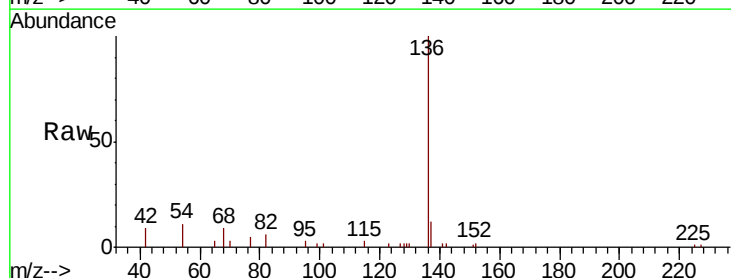
Ion Ratio Lower Upper

136 100

137 12.2 9.3 13.9

54 11.0 8.4 12.6

68 8.9 6.8 10.2



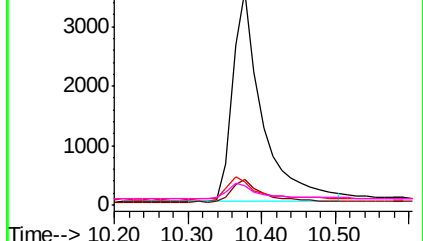
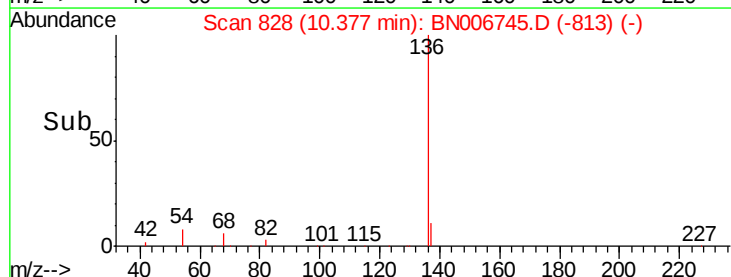
Abundance Ion 136.00 (135.70 to 136.70): BN006691.D (-824) (-)

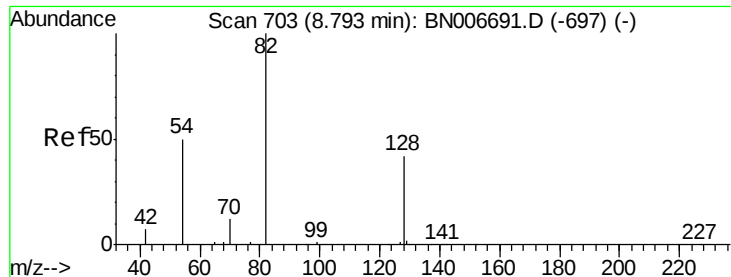
Ion 137.00 (136.70 to 137.70): BN006691.D (-824) (-)

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

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

Time-->

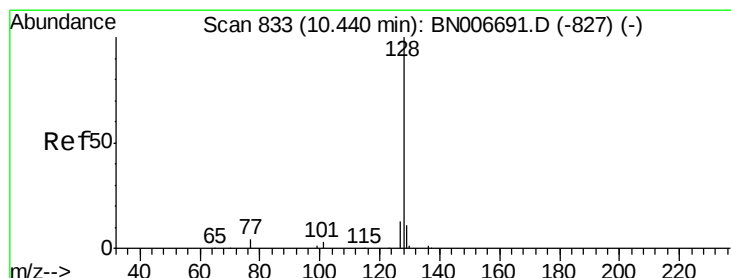
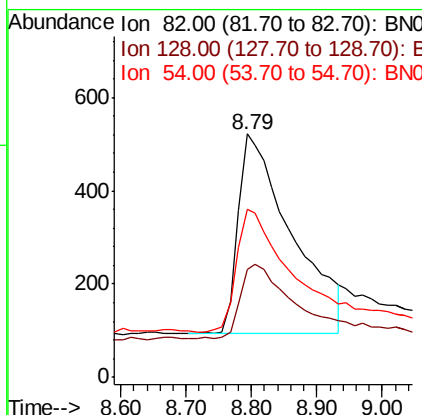
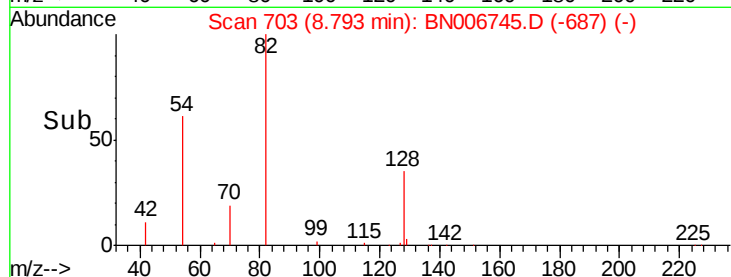
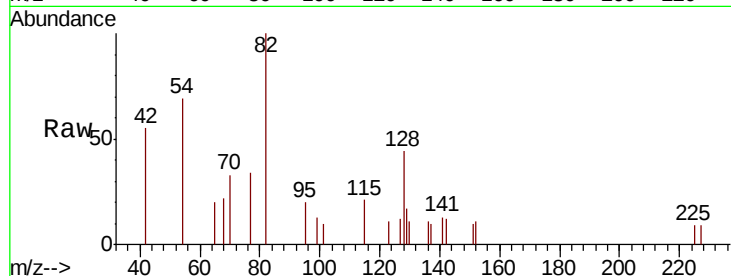




#8
 Nitrobenzene-d5
 Concen: 0.323 ng
 RT: 8.79 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

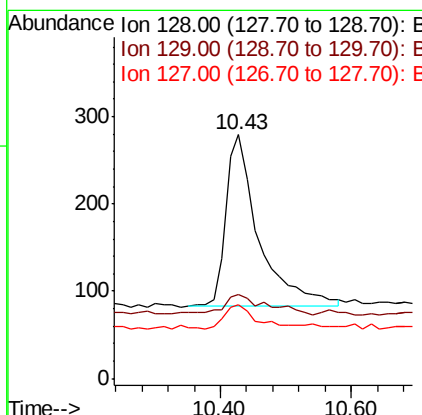
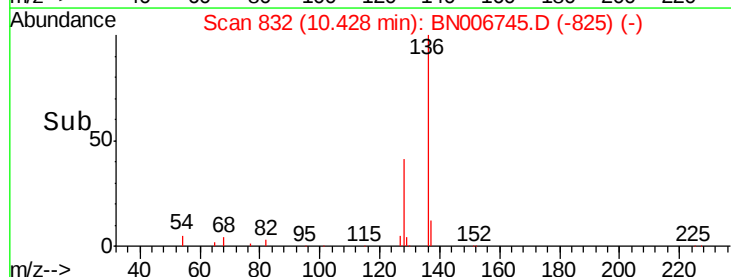
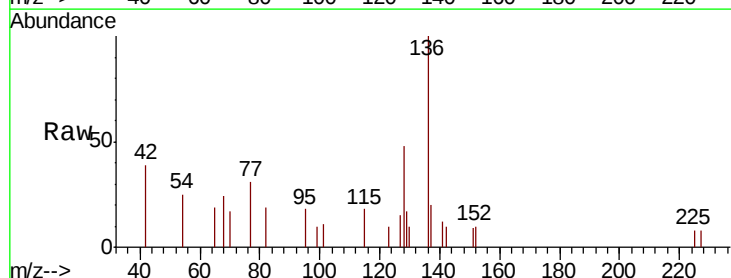
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 OUTFALL001-190702

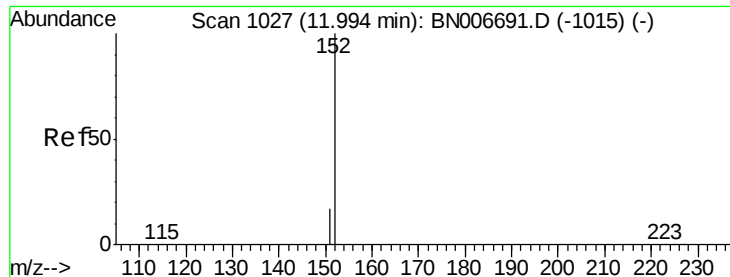
Tgt Ion: 82 Resp: 2447
 Ion Ratio Lower Upper
 82 100
 128 44.3 36.1 54.1
 54 69.0 44.5 66.7#



#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#

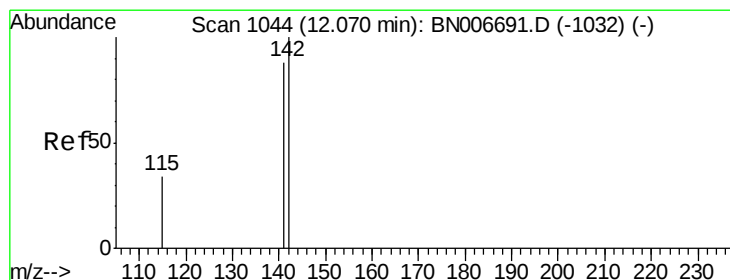
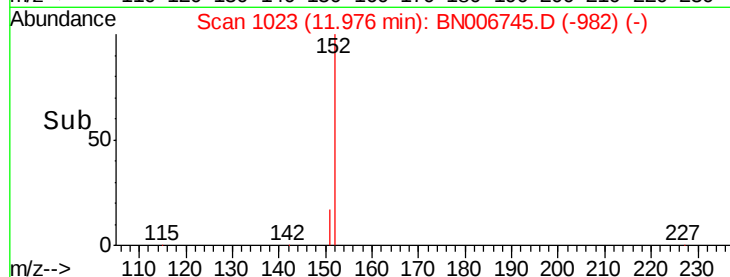
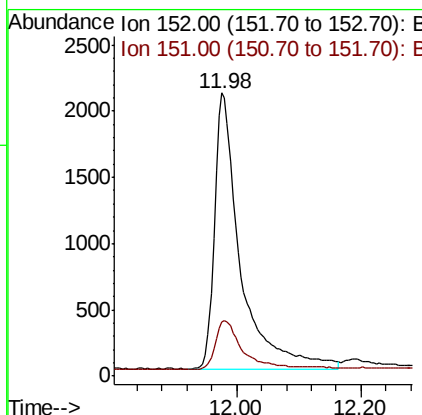
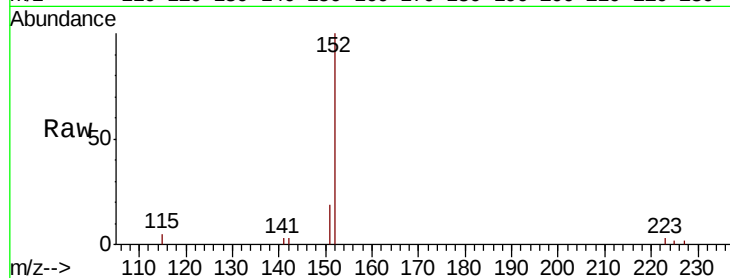




#11
 2-Methylnaphthalene-d10
 Concen: 0.409 ng
 RT: 11.98 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

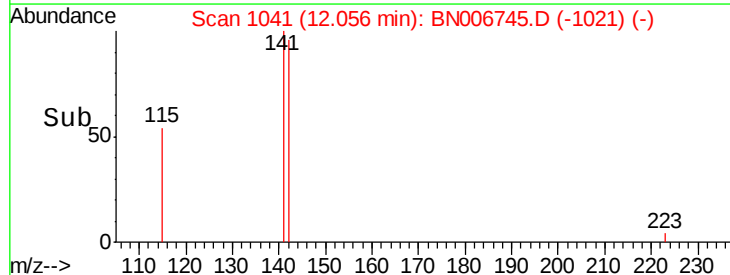
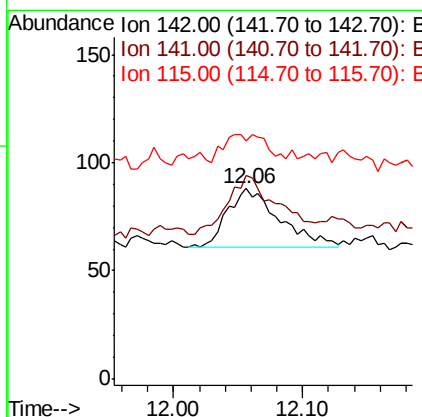
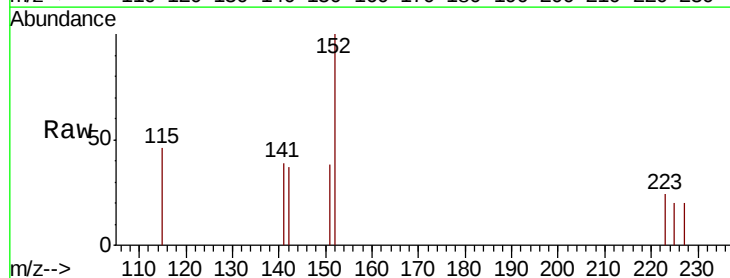
Instrument :
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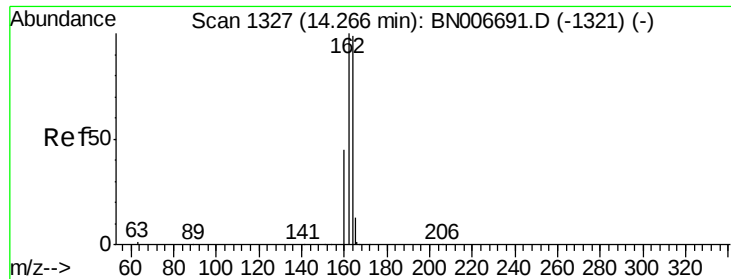
Tgt Ion:152 Resp: 6065
 Ion Ratio Lower Upper
 152 100
 151 18.8 14.9 22.3



#12
 2-Methylnaphthalene
 Concen: Below Cal
 RT: 12.06 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

Tgt Ion:142 Resp: 75
 Ion Ratio Lower Upper
 142 100
 141 106.8 70.3 105.5#
 115 125.0 28.9 43.3#





#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

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

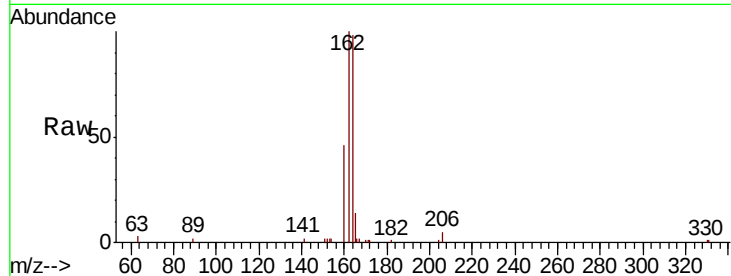
Tgt Ion:164 Resp: 6152

Ion Ratio Lower Upper

164 100

162 101.8 80.8 121.2

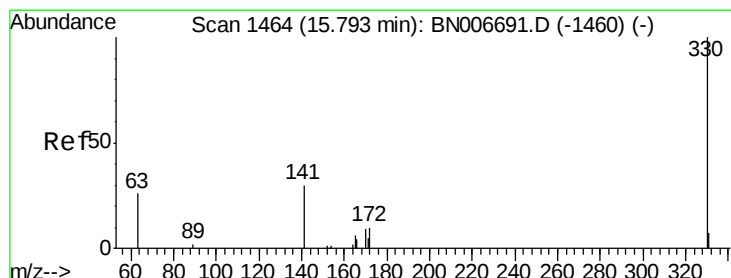
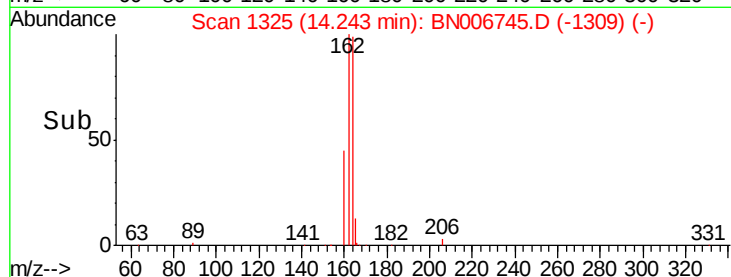
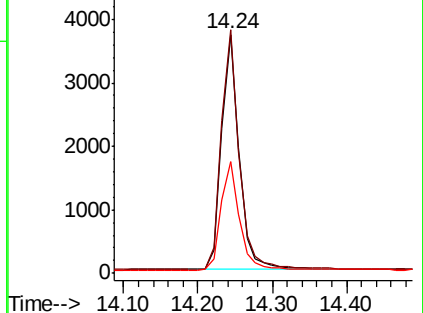
160 46.5 37.0 55.6



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: 0.372 ng

RT: 15.77 min Scan# 1462

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

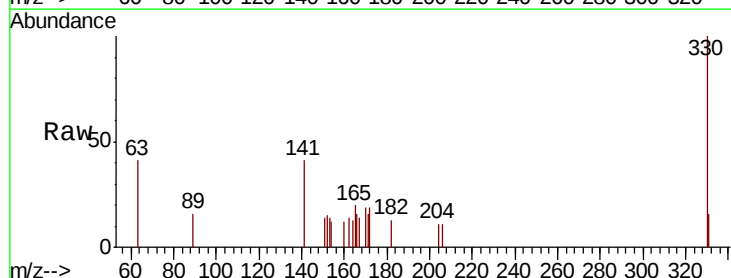
Tgt Ion:330 Resp: 1125

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

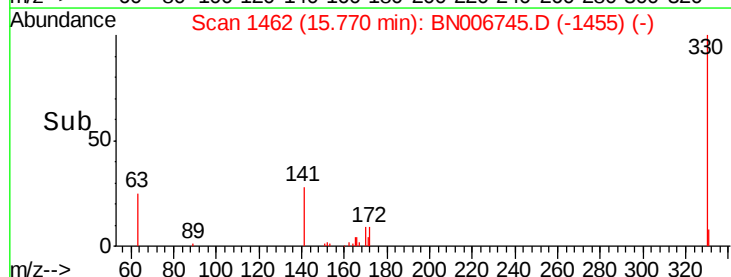
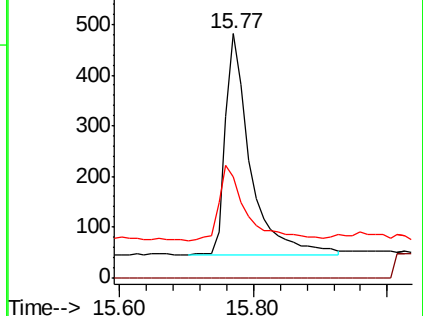
141 38.0 24.8 37.2#

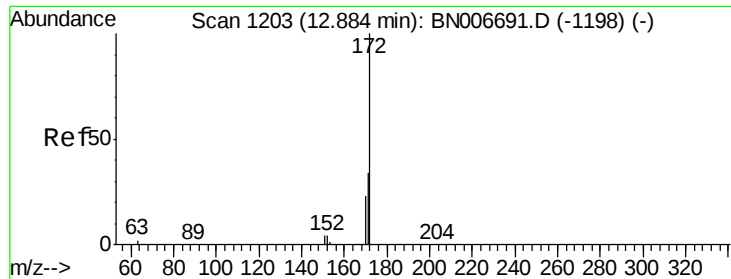


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

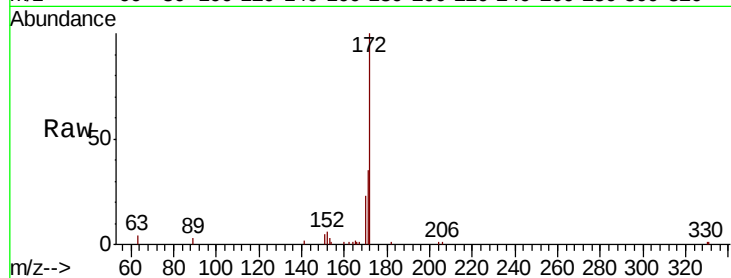




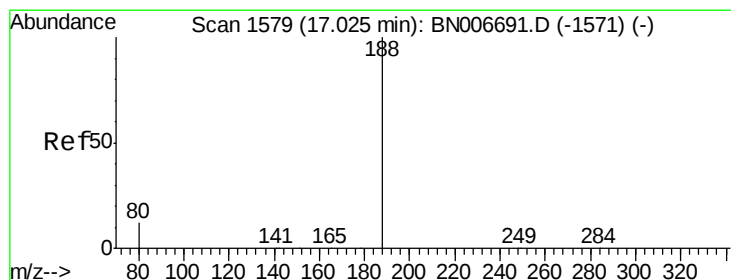
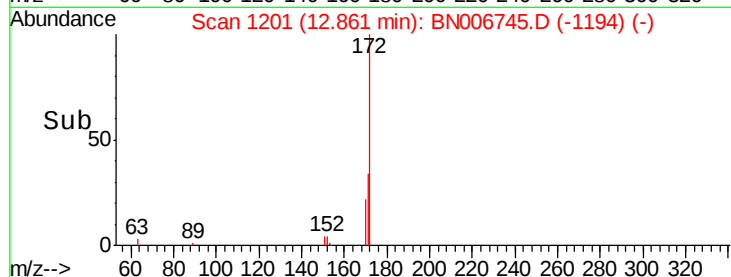
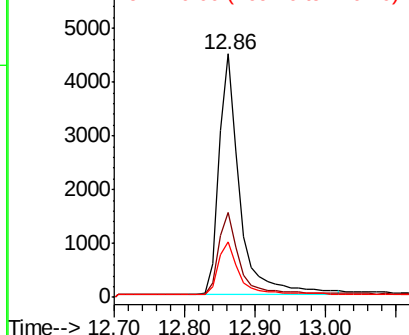
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006745.D
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Instrument :
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Tgt Ion:172 Resp: 9417
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 22.6 18.9 28.3

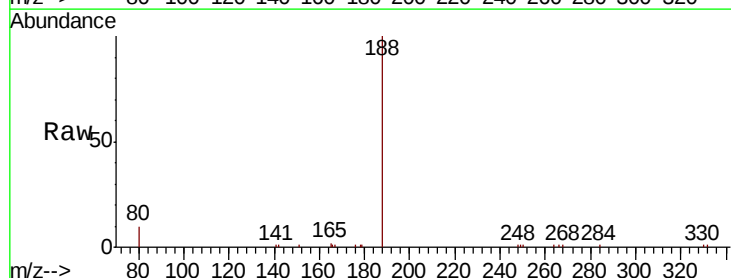


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

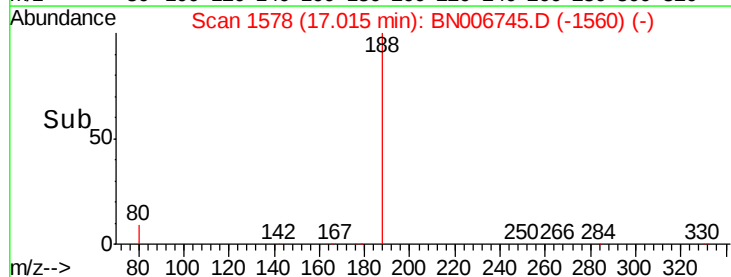
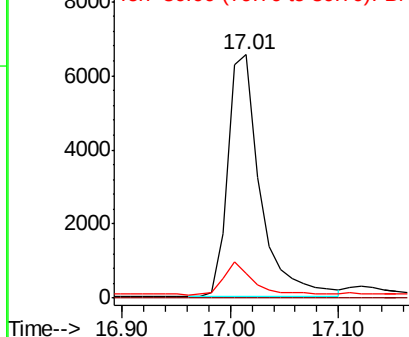


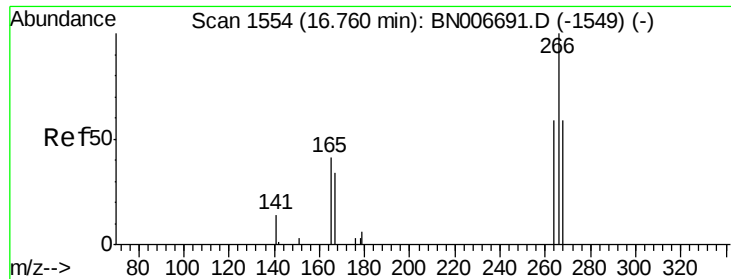
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.01 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Tgt Ion:188 Resp: 13532
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 10.3 15.5#



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





#22

Pentachlorophenol

Concen: 0.113 ng

RT: 16.74 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

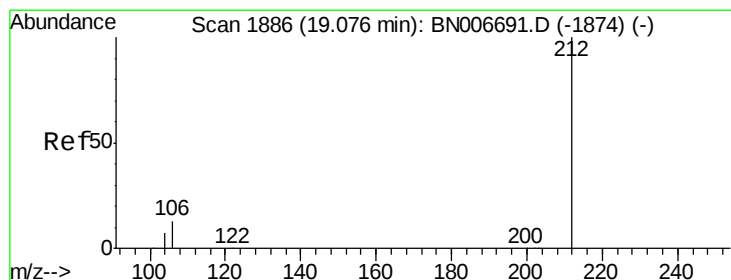
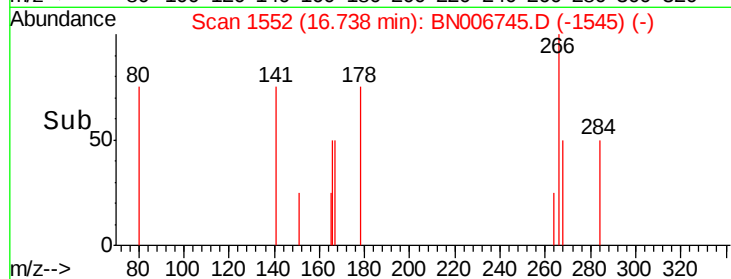
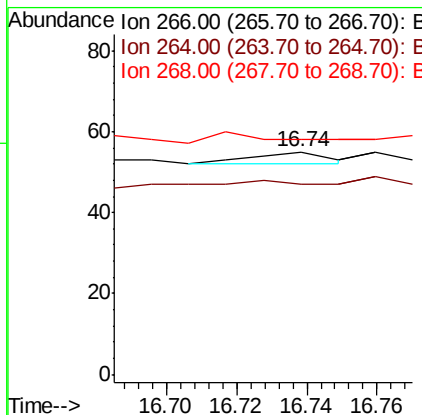
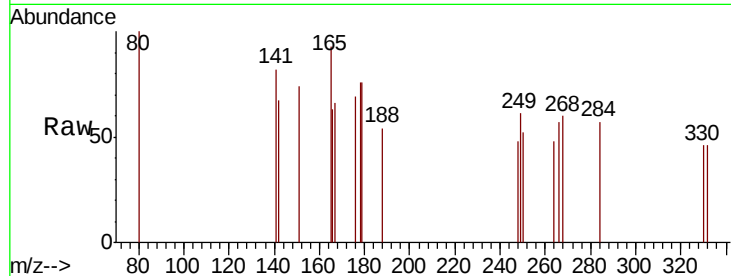
Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	85.5	57.6	86.4
268	105.5	66.6	99.8#



#25

Fluoranthene-d10

Concen: 0.464 ng

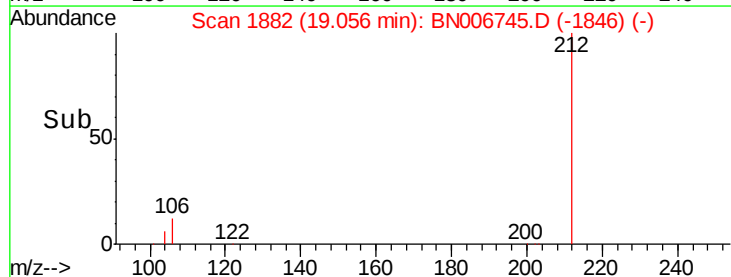
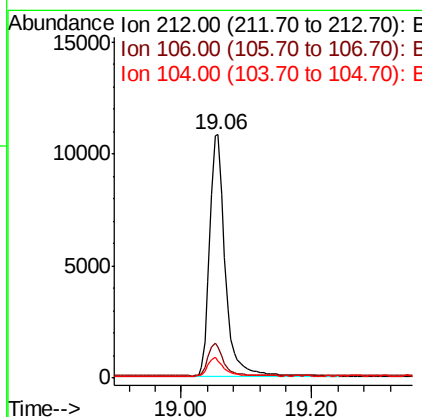
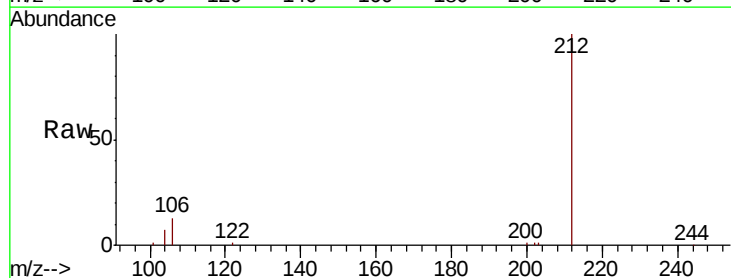
RT: 19.06 min Scan# 1882

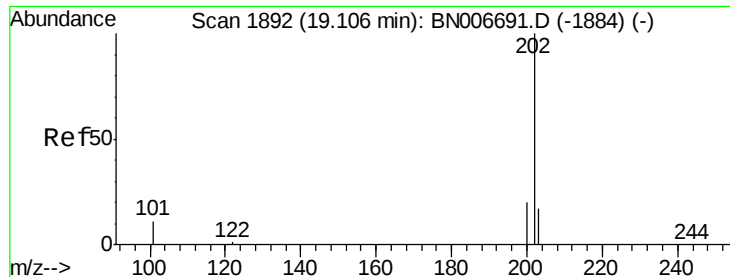
Delta R.T. -0.02 min

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

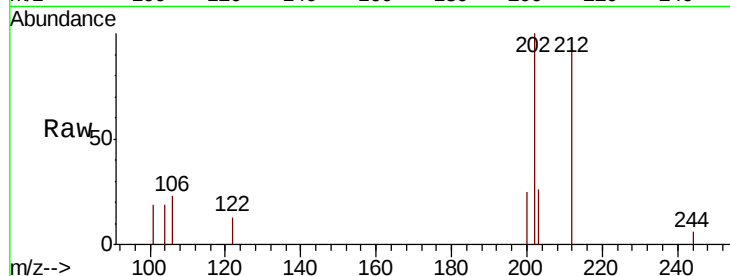
Instrument :

BNA_N

ClientSampleId :

OUTFALL001-190702

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

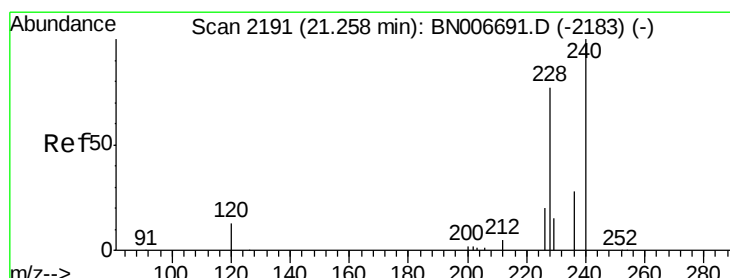
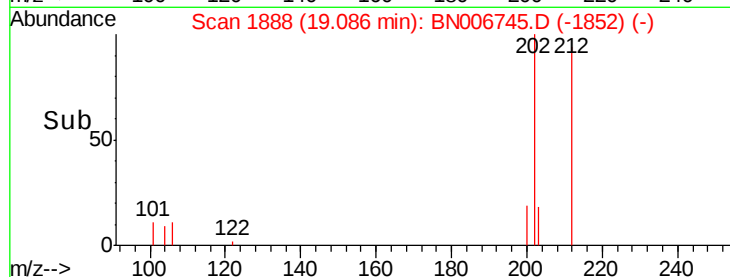
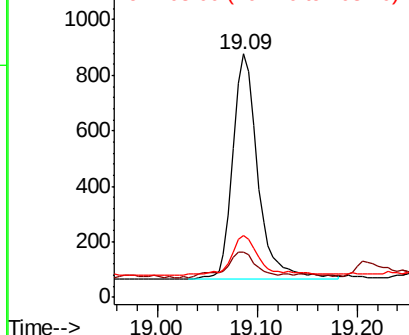


Abundance

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

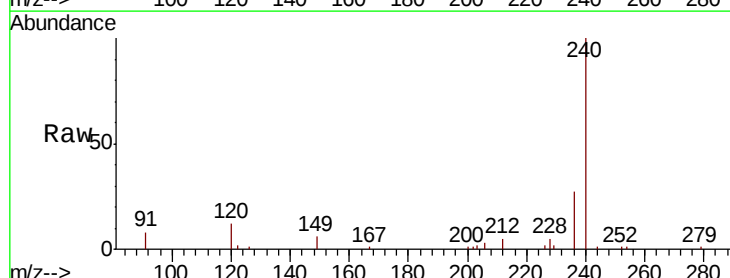
RT: 21.24 min Scan# 2189

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

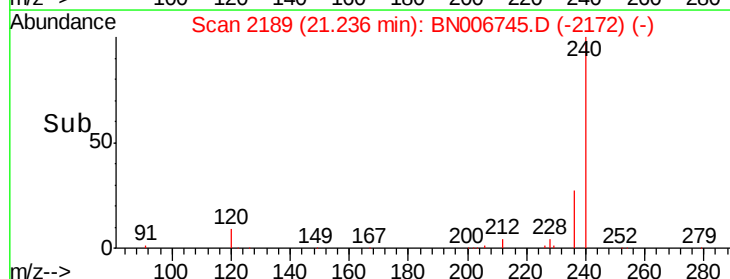
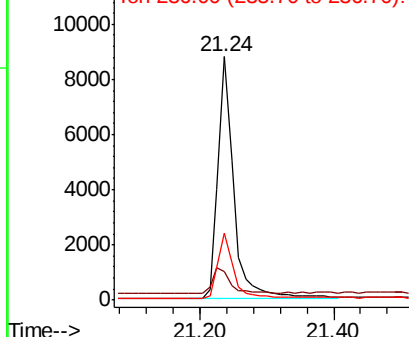


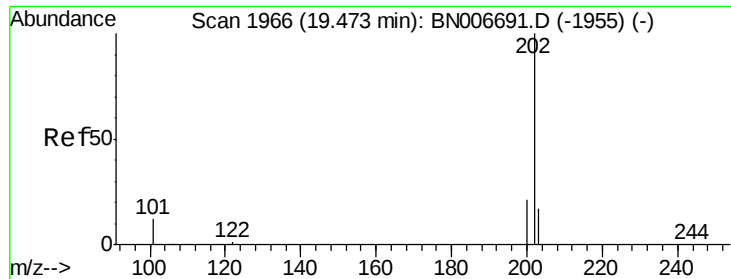
Abundance

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

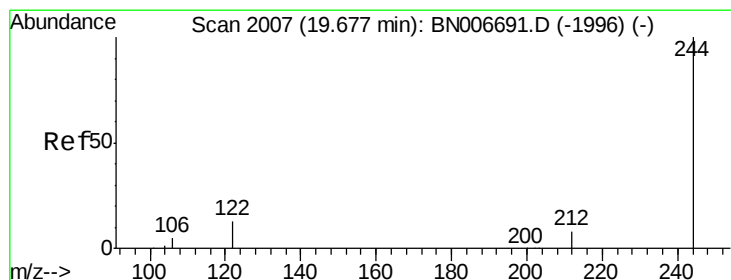
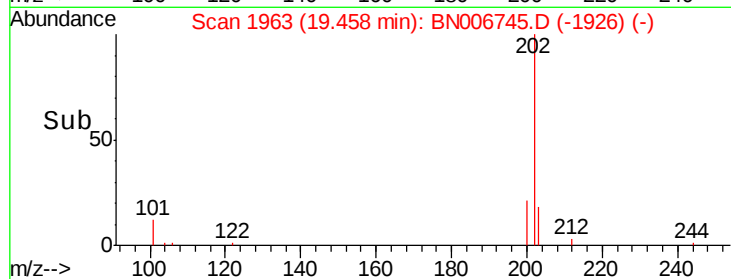
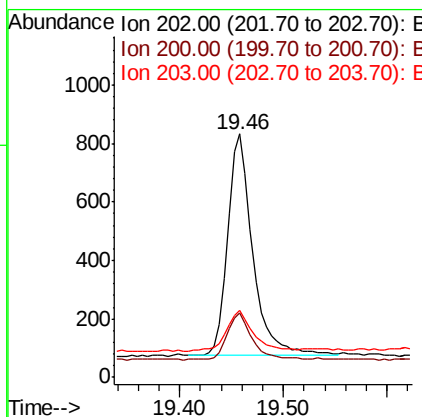
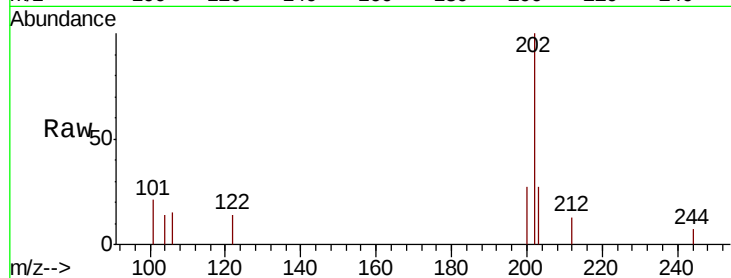




#28
 Pyrene
 Concen: 0.022 ng
 RT: 19.46 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

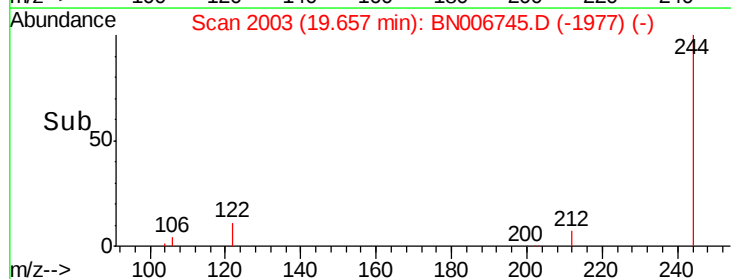
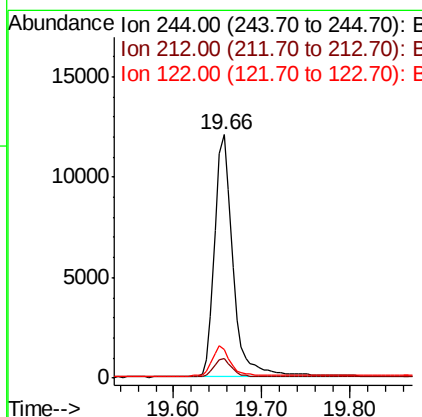
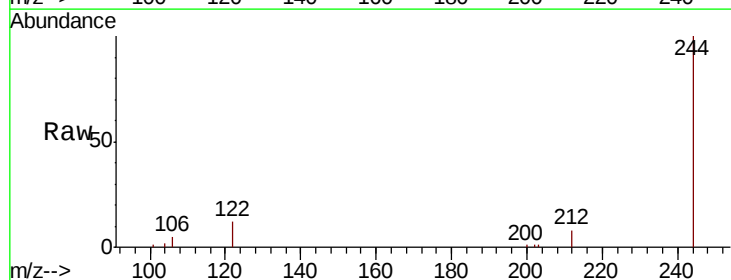
Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190702

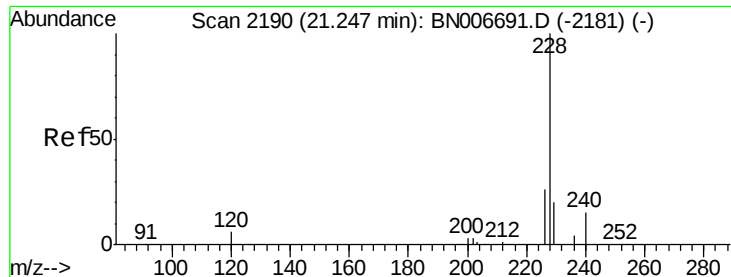
Tgt Ion: 202 Resp: 1249
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.8 25.2
 203 19.9 14.2 21.2



#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

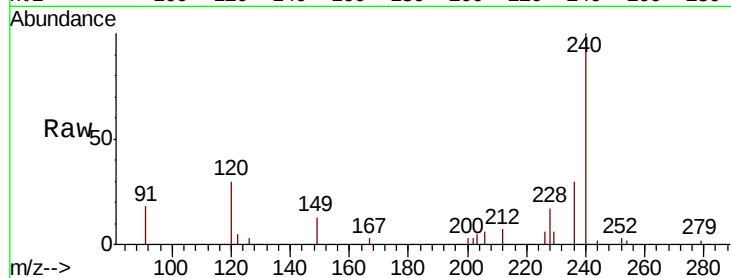
Tgt Ion:228 Resp: 1104

Ion Ratio Lower Upper

228 100

226 35.0 21.5 32.3#

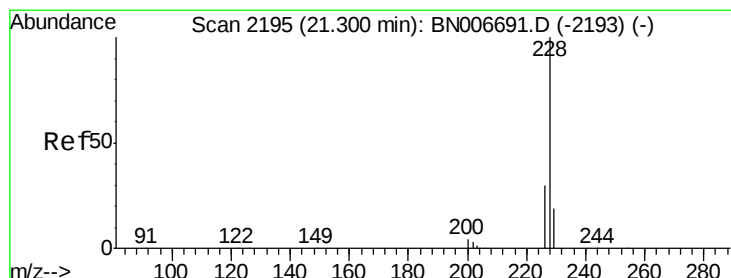
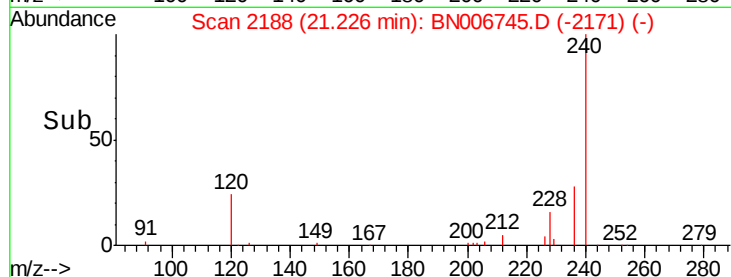
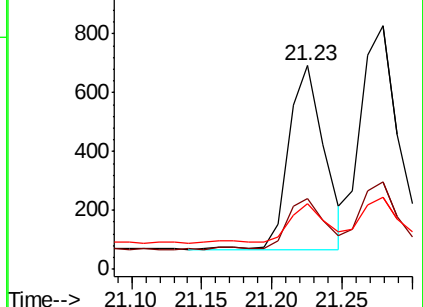
229 32.4 16.2 24.4#



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: 0.028 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BN006745.D

Acq: 06 Jul 2019 08:46

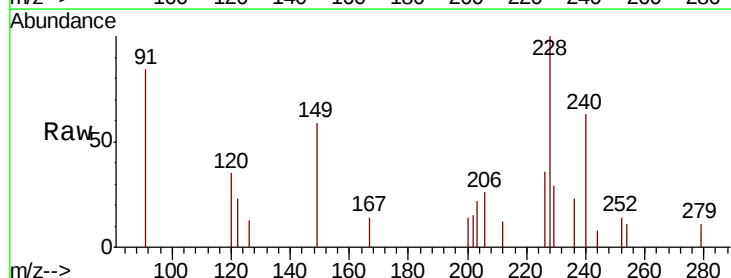
Tgt Ion:228 Resp: 1416

Ion Ratio Lower Upper

228 100

226 35.7 24.2 36.2

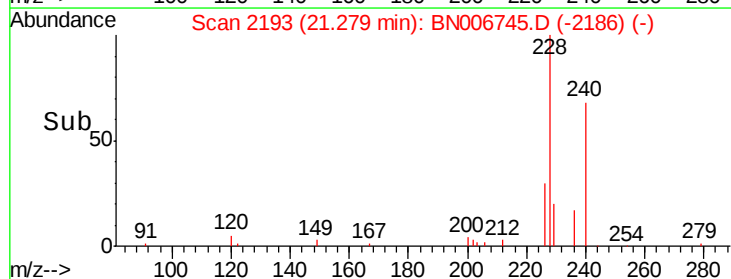
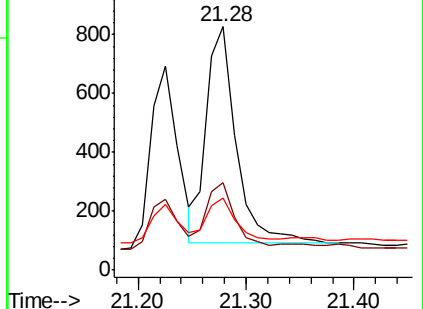
229 29.4 15.8 23.6#

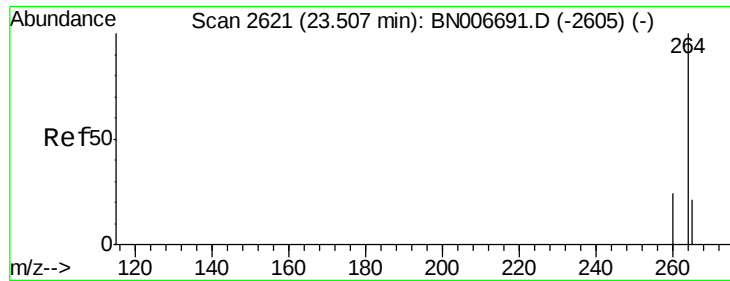


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

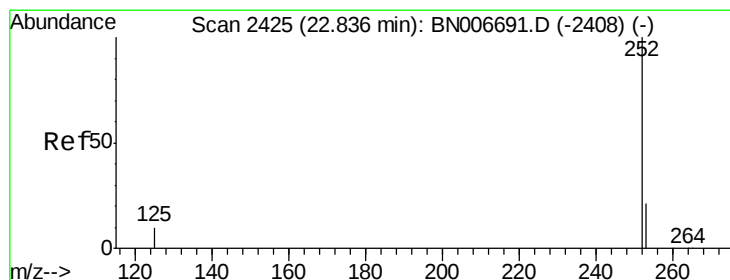
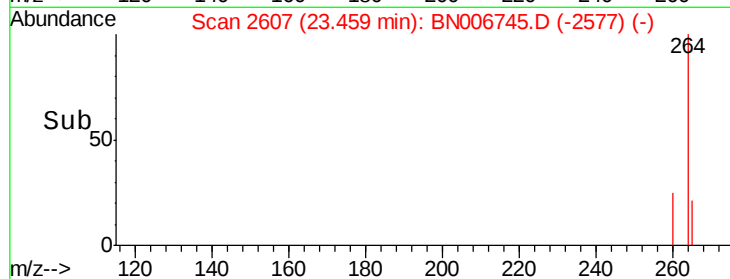
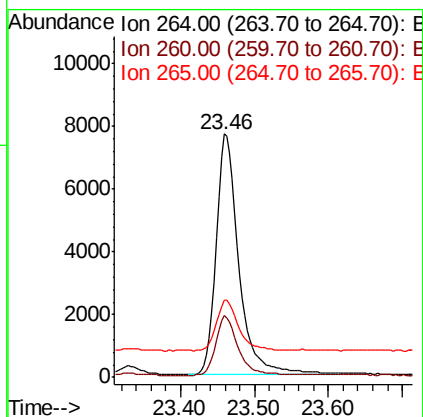
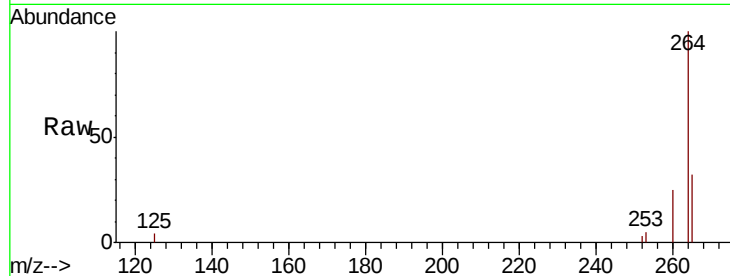




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2607
 Delta R.T. -0.05 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

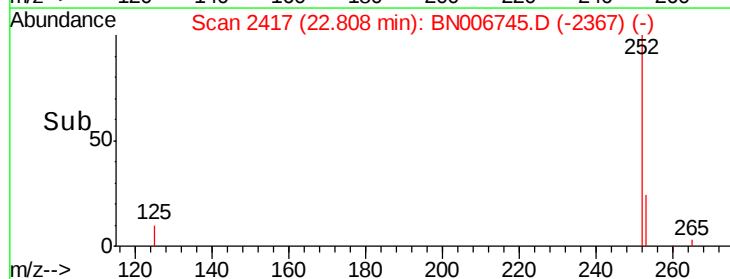
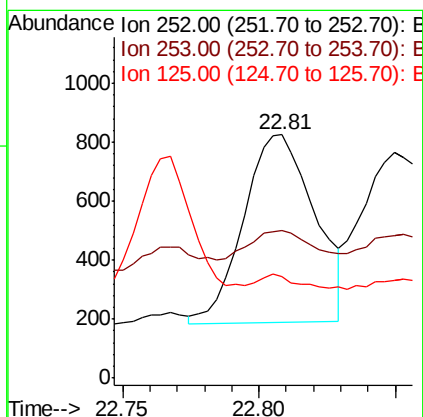
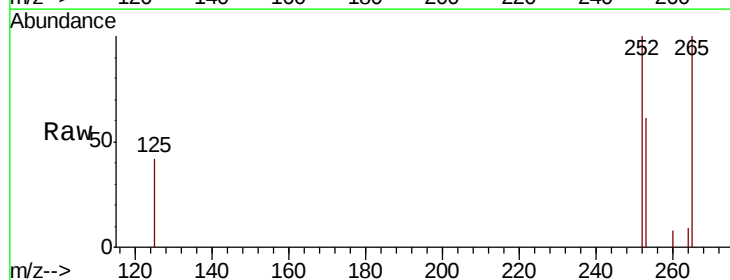
Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190702

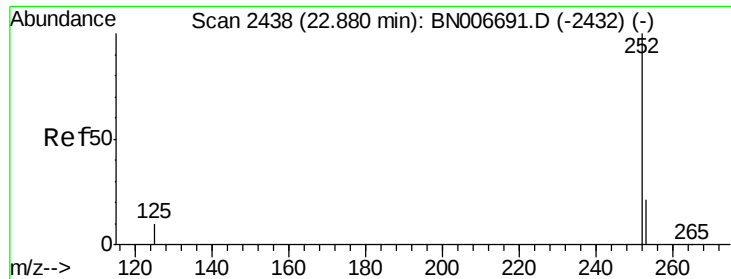
Tgt Ion: 264 Resp: 16239
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.2
 265 31.9 33.7 50.5#



#35
 Benzo(b)fluoranthene
 Concen: 0.022 ng
 RT: 22.81 min Scan# 2417
 Delta R.T. -0.03 min
 Lab File: BN006745.D
 Acq: 06 Jul 2019 08:46

Tgt Ion: 252 Resp: 1158
 Ion Ratio Lower Upper
 252 100
 253 60.8 20.2 30.2#
 125 41.6 11.5 17.3#

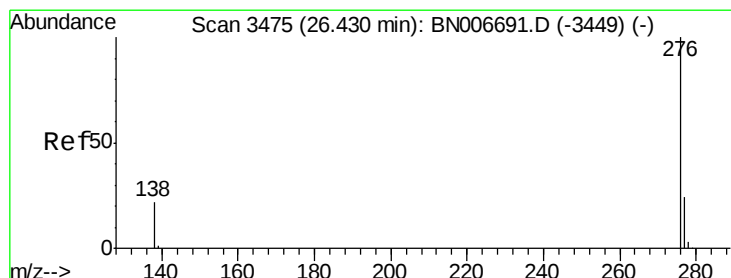
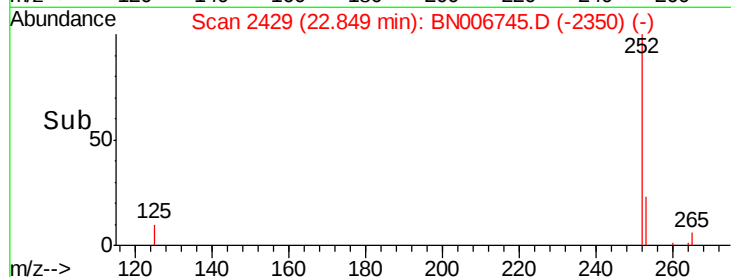
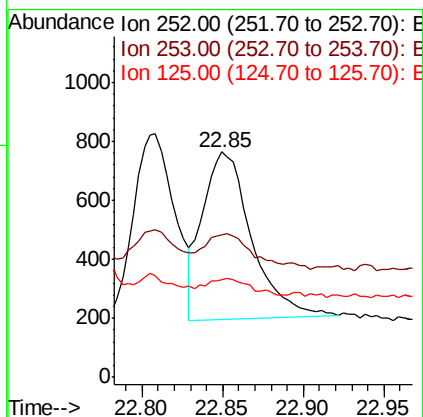
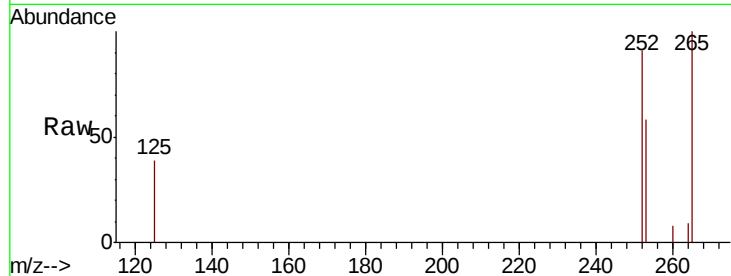




#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.03 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190702

Tgt Ion: 252 Resp: 1201
Ion Ratio Lower Upper
252 100
253 63.1 20.1 30.1#
125 43.3 11.4 17.0#



#39
Benzo(g,h,i)perylene
Concen: 0.020 ng
RT: 26.39 min Scan# 3463
Delta R.T. -0.04 min
Lab File: BN006745.D
Acq: 06 Jul 2019 08:46

Tgt Ion: 276 Resp: 1043
Ion Ratio Lower Upper
276 100
277 42.0 20.6 30.8#
138 47.7 19.7 29.5#

