

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104686.D
 Acq On : 20 Apr 2018 20:34
 Operator : JU/SJ
 Sample : J2460-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDP-B-2-0-6

Quant Time: Apr 21 04:15:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	122068	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	486714	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	197896	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	316253	20.00	ng	0.00
75) Chrysene-d12	13.98	240	239736	20.00	ng	0.00
86) Perylene-d12	15.44	264	189820	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	722833	90.54	ng	0.00
7) Phenol-d6	6.45	99	860042	87.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	513330	68.87	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	175327	85.41	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	836288	66.76	ng	0.00
78) Terphenyl-d14	12.92	244	672856	63.99	ng	0.00

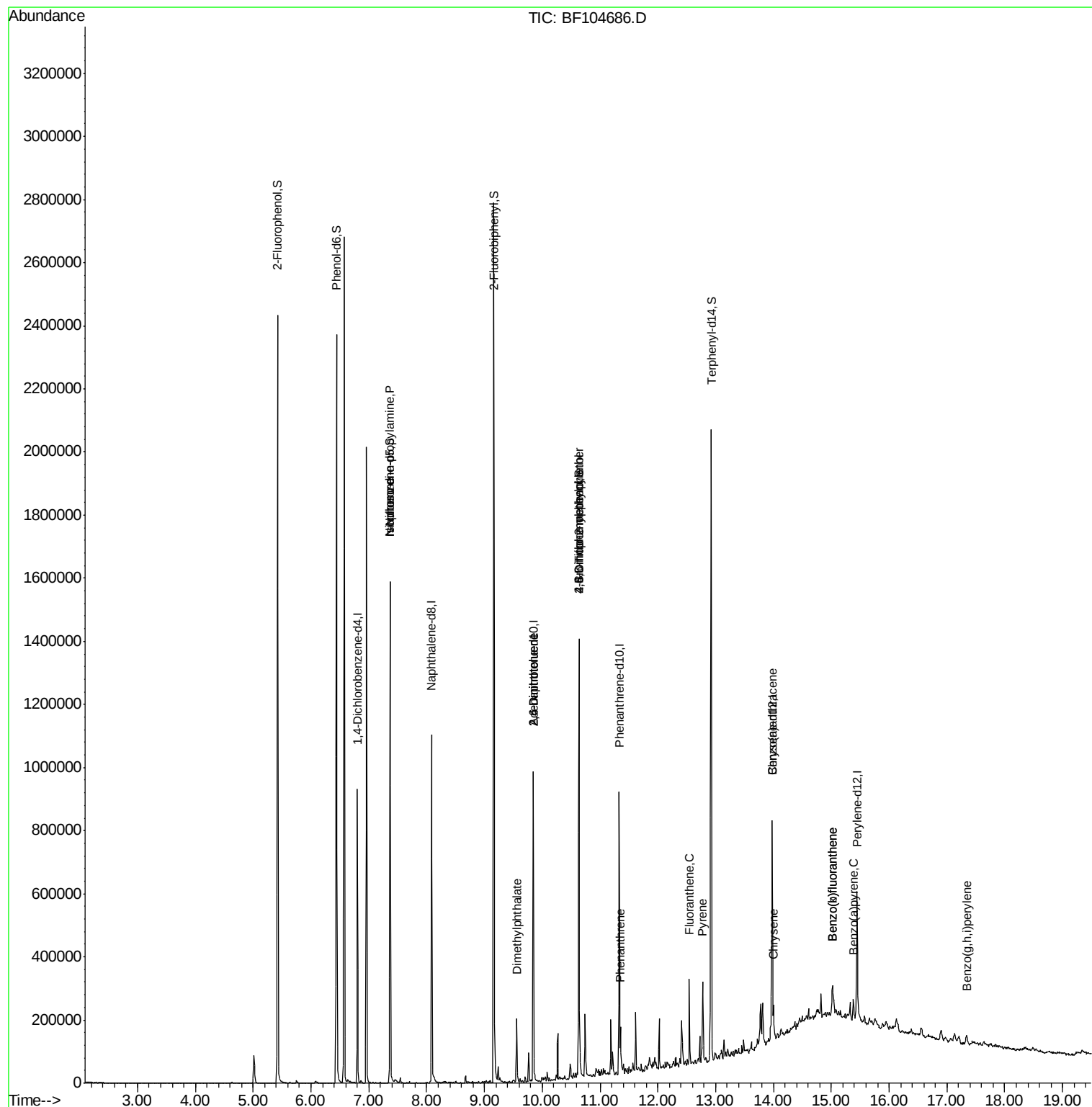
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1352	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	68009	10.610	ng	# 72
25) Isophorone	7.37	82	513322	32.567	ng	# 64
49) Dimethylphthalate	9.56	163	79938	5.122	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	25252	8.745	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	25252	6.667	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	296	7.510	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10580	3.145	ng	# 1
70) Phenanthrene	11.36	178	48196	2.737	ng	# 97
74) Fluoranthene	12.55	202	94159	5.117	ng	# 99
76) Benzidine	12.92	184	8982	Below Cal		# 95
77) Pvrene	12.77	202	93374	5.255	ng	# 98
80) Benzo(a)anthracene	13.97	228	40583	2.834	ng	# 93
82) Chrysene	14.00	228	44381	3.017	ng	# 96
87) Benzo(b)fluoranthene	15.02	252	64528	5.382	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	64528	5.701	ng	# 90
89) Benzo(a)pvrene	15.38	252	30177	2.813	ng	# 87
91) Benzo(g,h,i)perylene	17.34	276	20255	2.373	ng	# 90

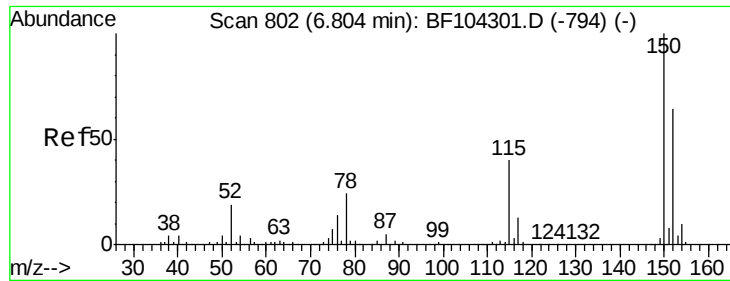
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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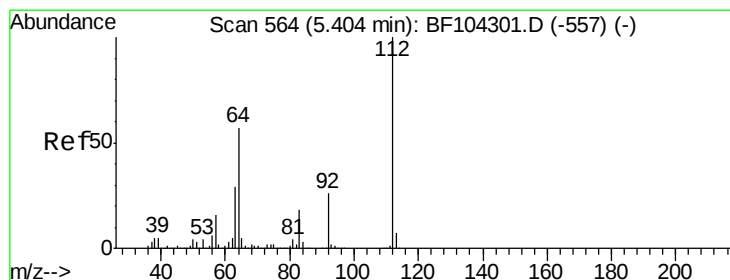
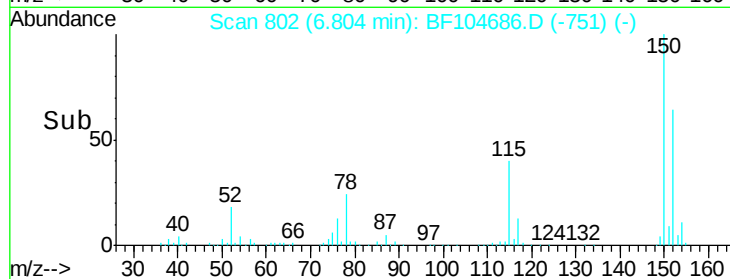
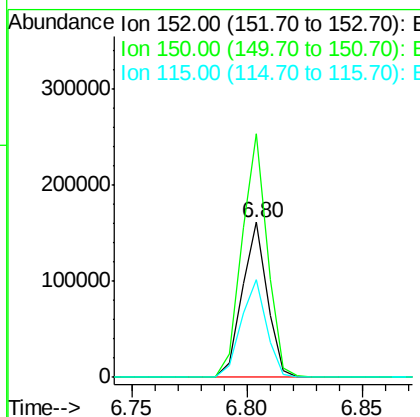
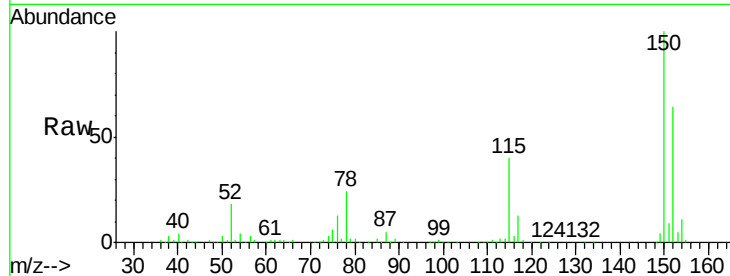




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

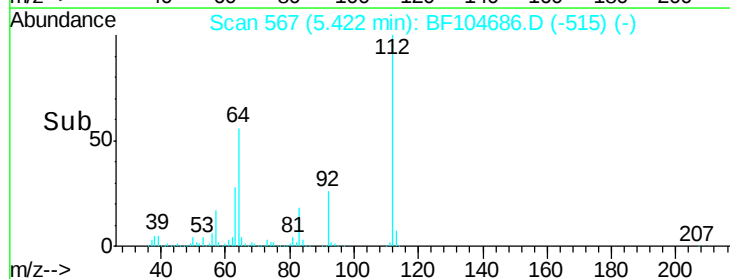
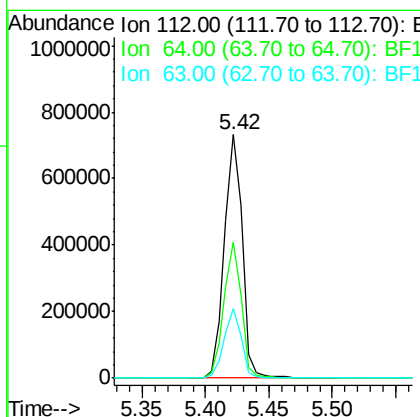
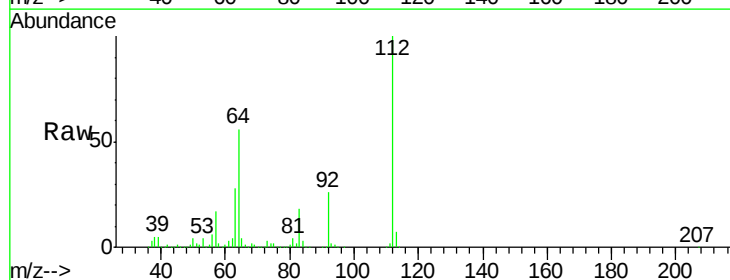
Instrument :
 BNA_F
 ClientSampleId :
 MDP-B-2-0-6

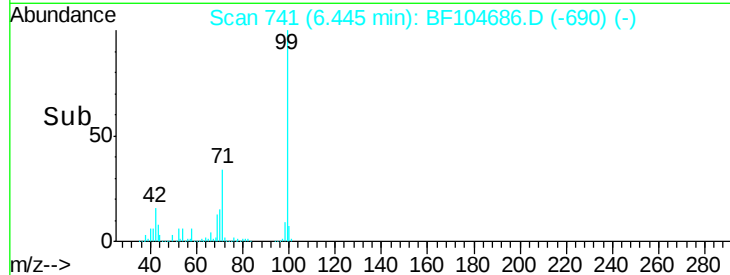
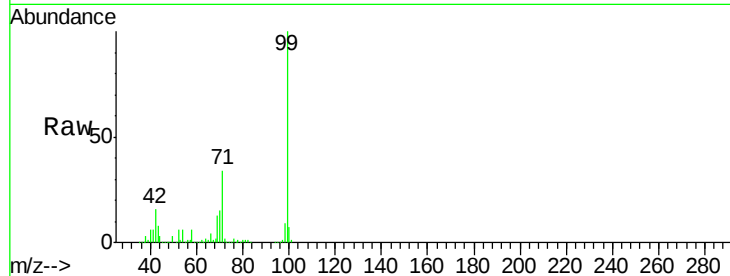
Tot Ion:152 Resp: 122068
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 62.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 90.544 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Tgt Ion:112 Resp: 722833
 Ion Ratio Lower Upper
 112 100
 64 56.0 47.9 71.9
 63 28.4 23.7 35.5





#7

Phenol-d6

Concen: 87.681 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

MDP-B-2-0-6

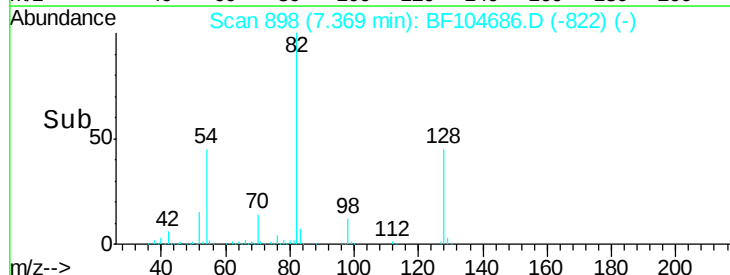
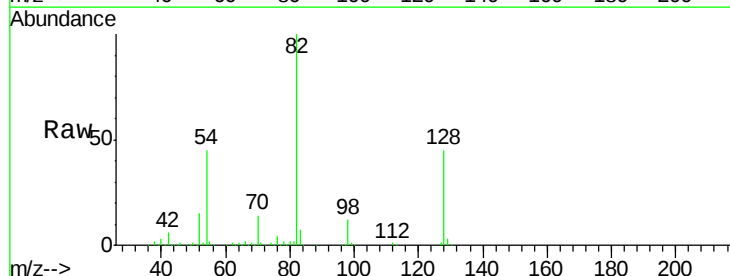
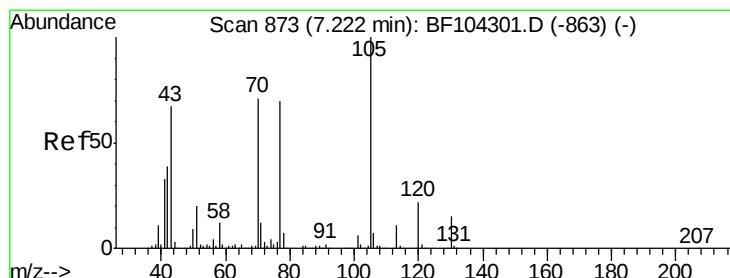
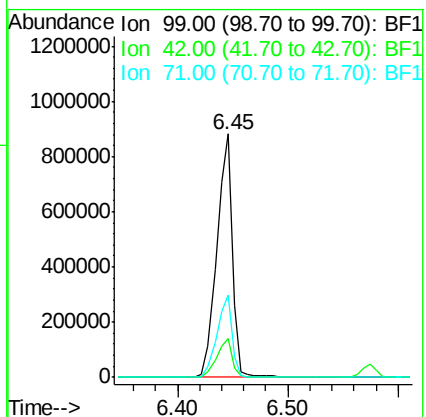
Tot Ion: 99 Resp: 860042

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.610 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

Tgt Ion: 70 Resp: 68009

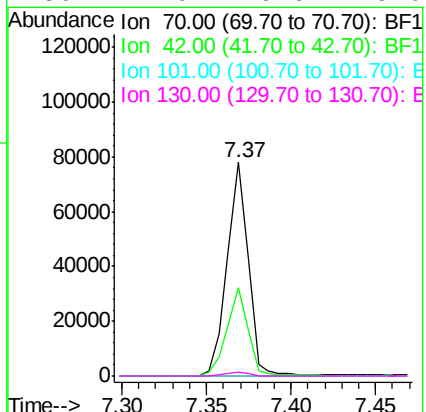
Ion Ratio Lower Upper

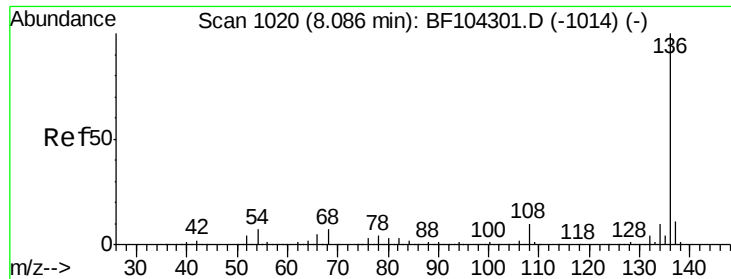
70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

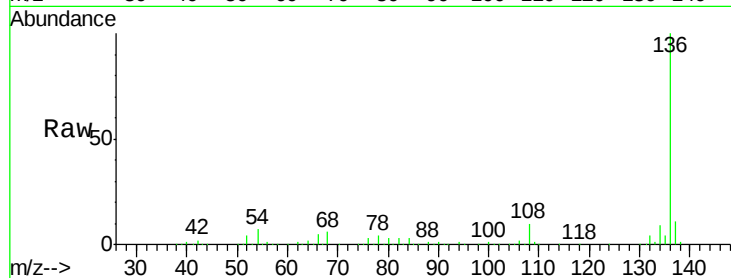




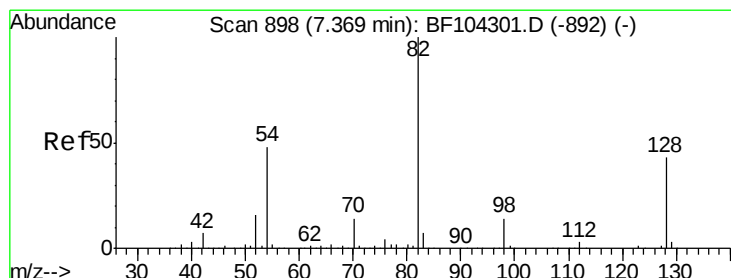
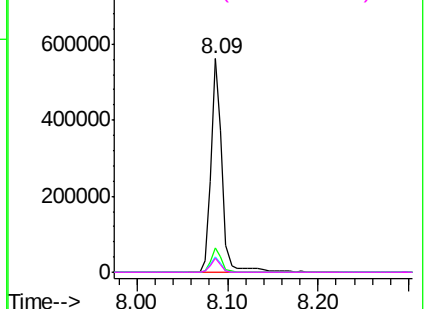
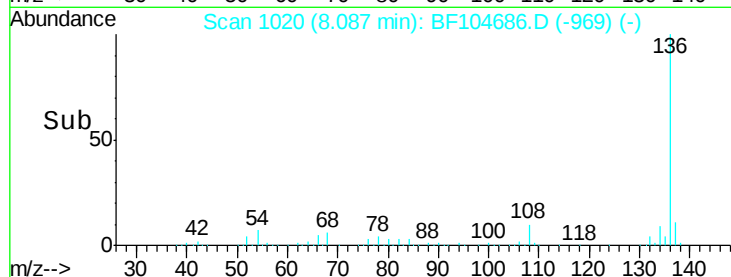
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
MDP-B-2-0-6

Tot Ion:136 Resp: 486714
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.0 6.6 9.8
68 6.3 5.0 7.4

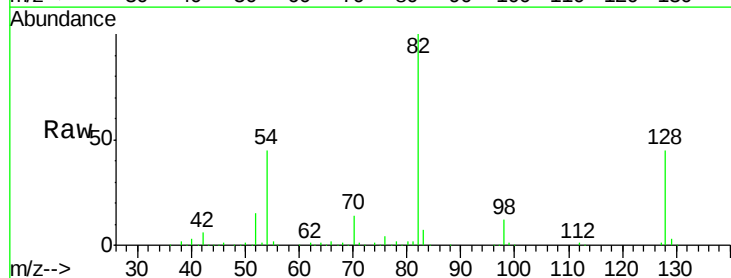


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

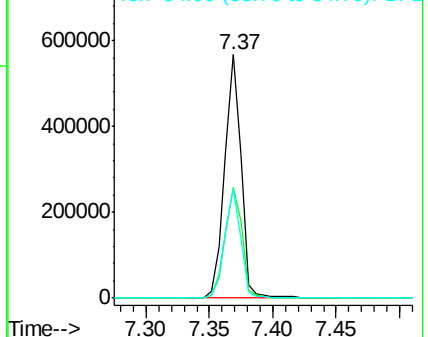
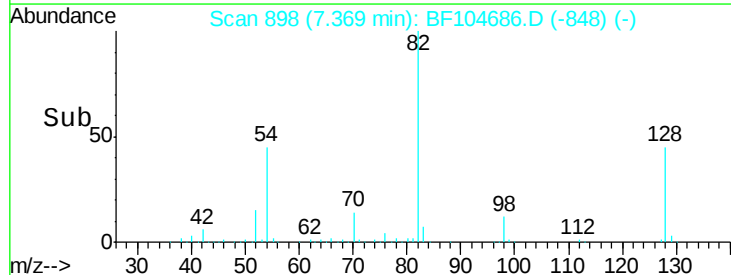


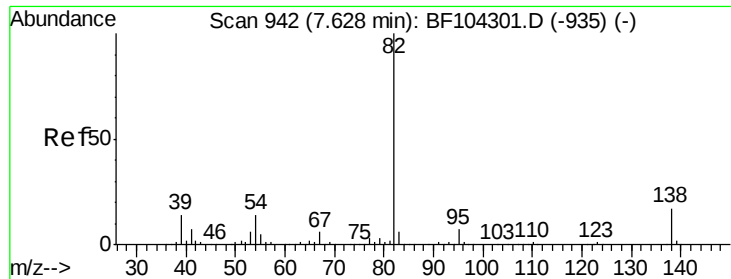
#23
Nitrobenzene-d5
Concen: 68.869 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Tgt Ion: 82 Resp: 513330
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 45.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

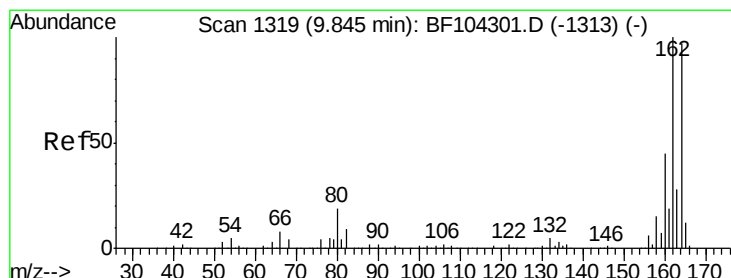
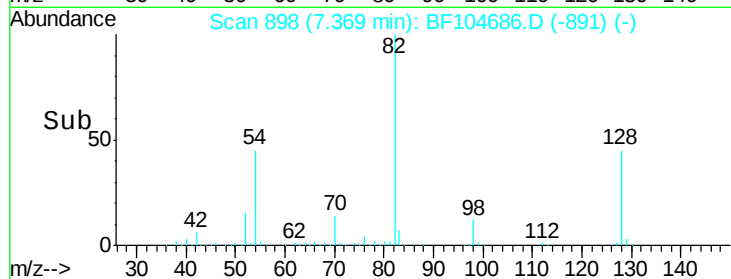
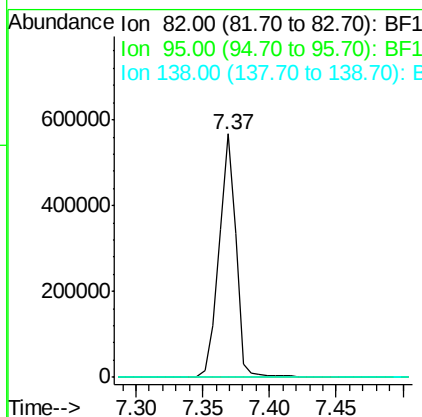
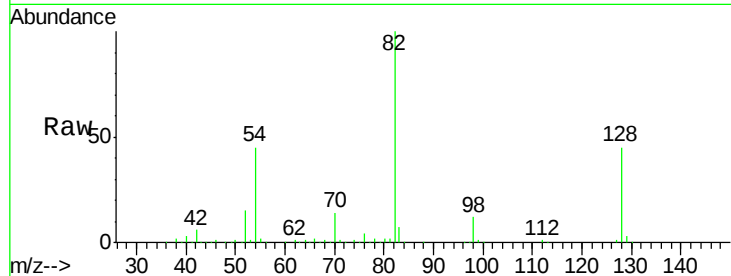




#25
Isophorone
Concen: 32.567 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

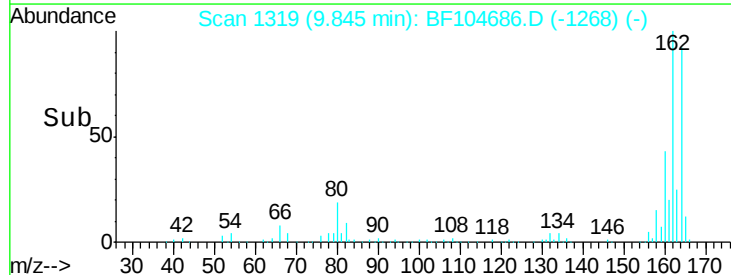
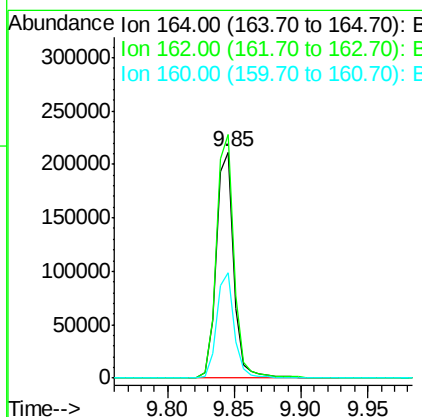
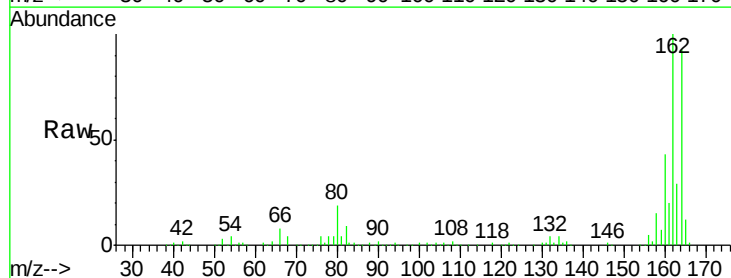
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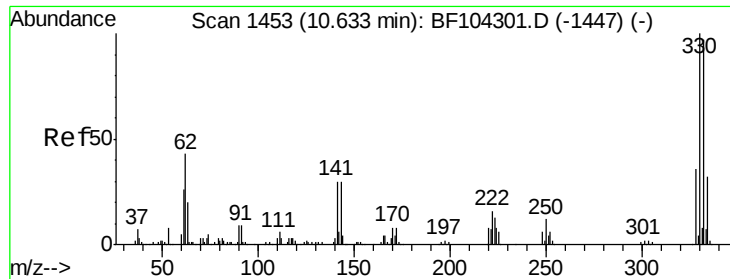
Tot Ion: 82 Resp: 513322
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Tgt Ion:164 Resp: 197896
Ion Ratio Lower Upper
164 100
162 107.6 86.1 129.1
160 46.6 38.3 57.5

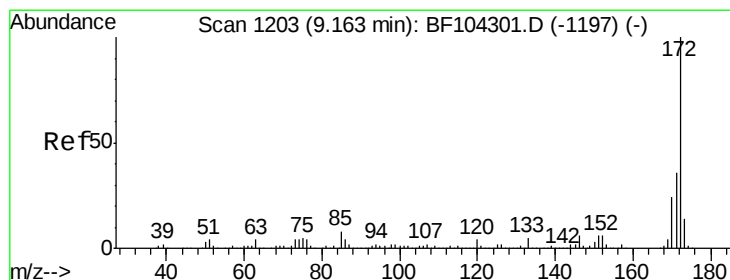
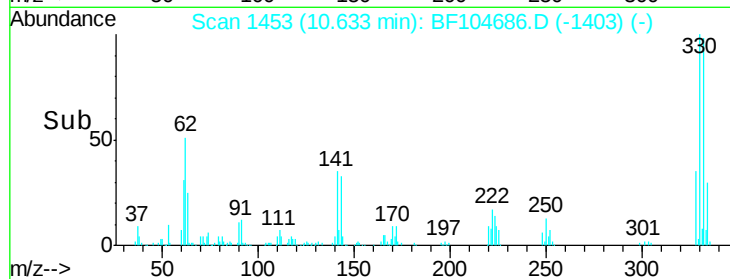
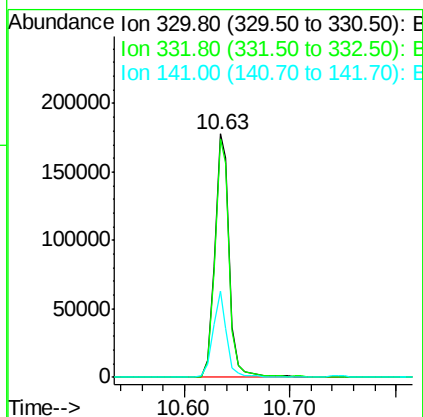
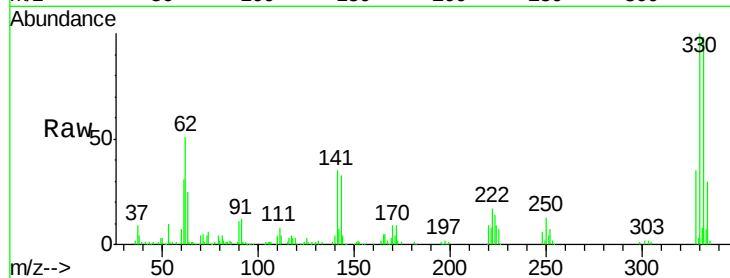




#41
 2,4,6-Tribromophenol
 Concen: 85.408 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

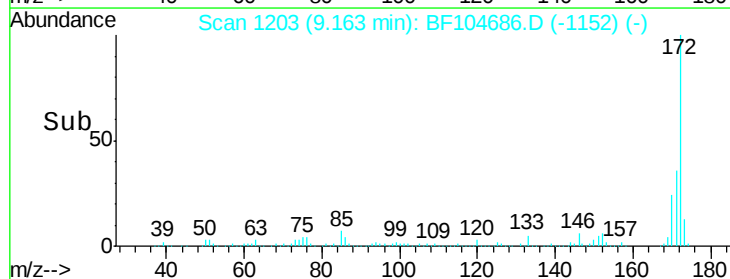
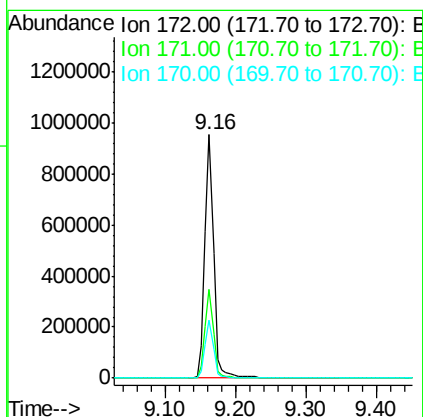
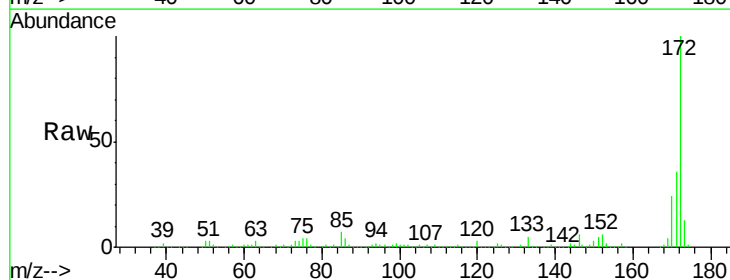
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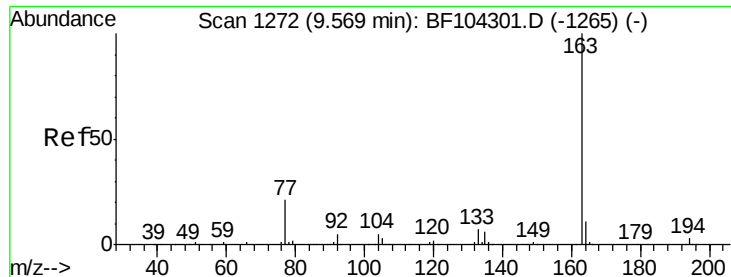
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 66.759 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4

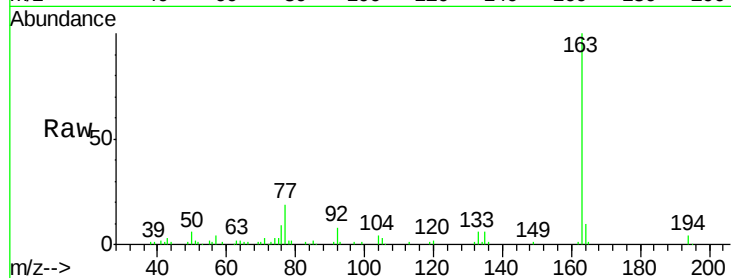




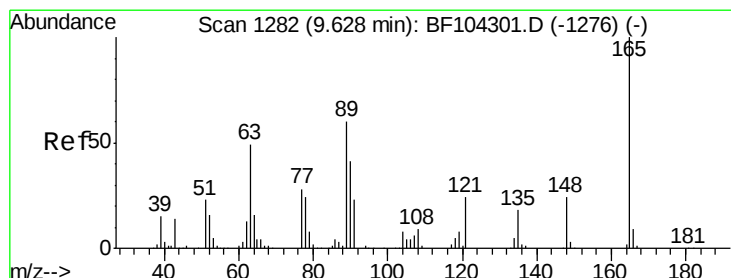
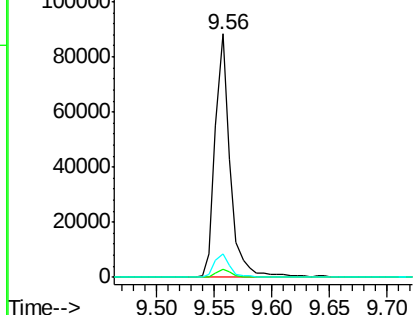
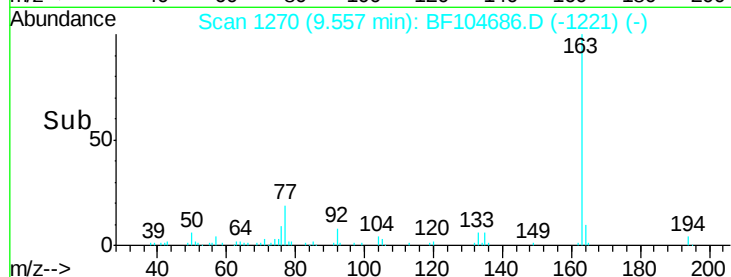
#49
Dimethylphthalate
Concen: 5.122 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
MDP-B-2-0-6

Tot Ion:163 Resp: 79938
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 8.2 12.2

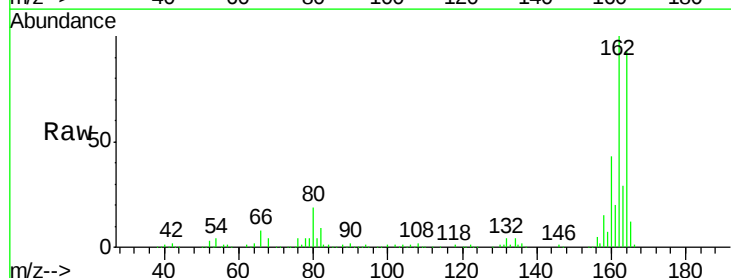


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

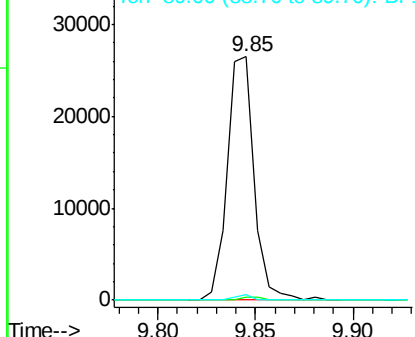
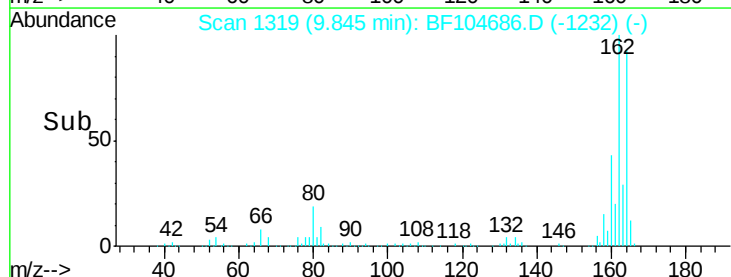


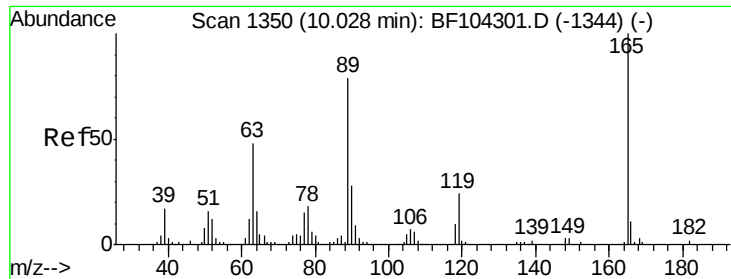
#50
2,6-Dinitrotoluene
Concen: 8.745 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Tgt Ion:165 Resp: 25252
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 2.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

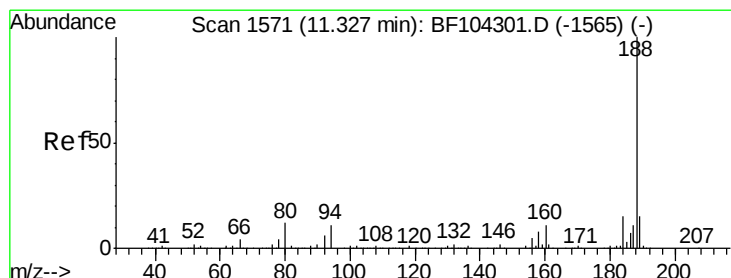
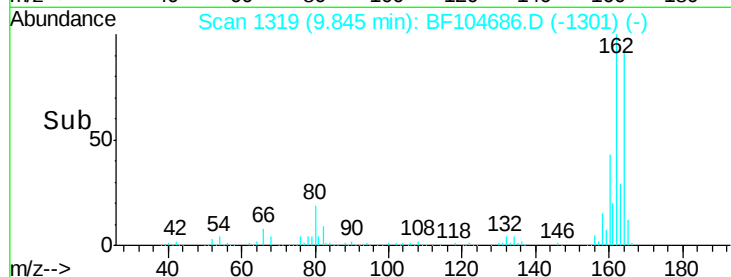
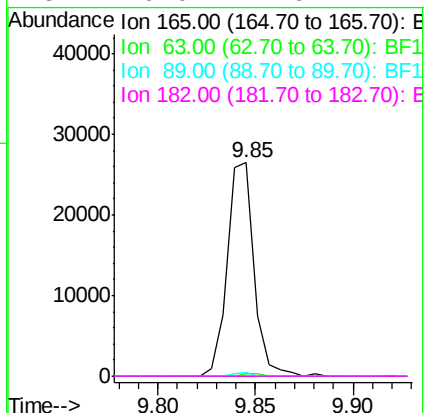
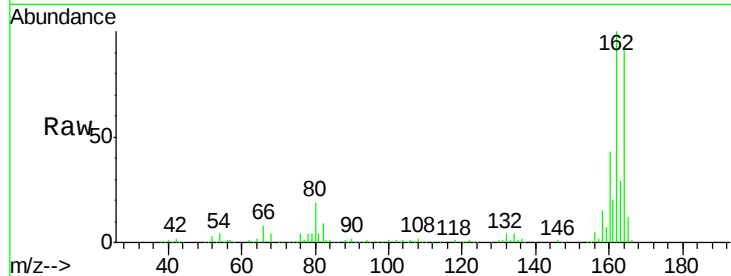




#56
 2,4-Dinitrotoluene
 Concen: 6.667 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

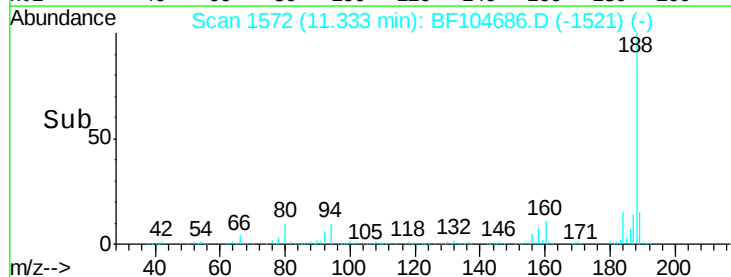
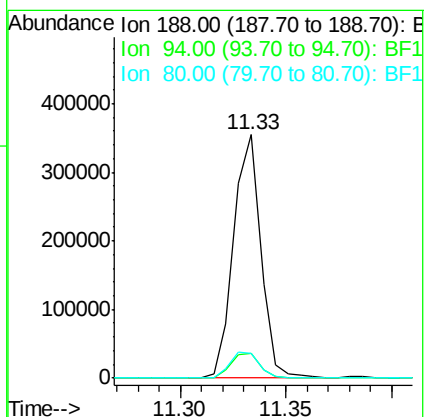
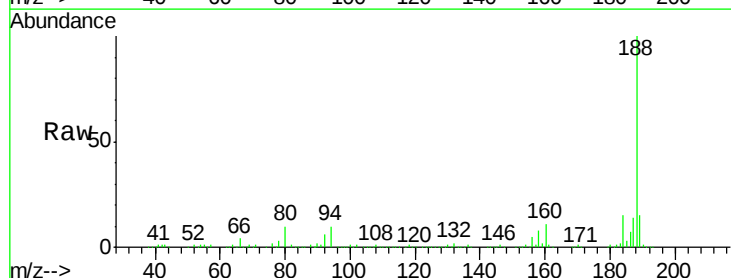
Instrument :
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 ClientSampleId :
 MDP-B-2-0-6

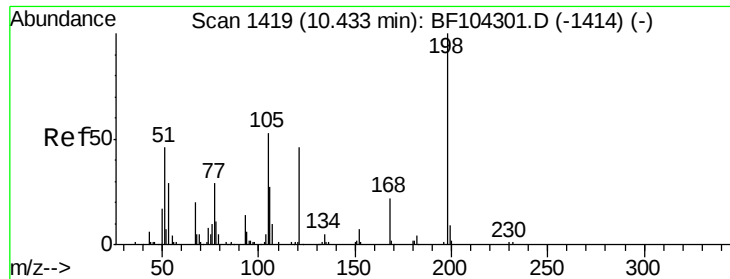
Tot Ion:165	Resp:	25252
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	2.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Tgt Ion:188	Resp:	316253
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.5 12.7
80	10.3	9.2 13.8

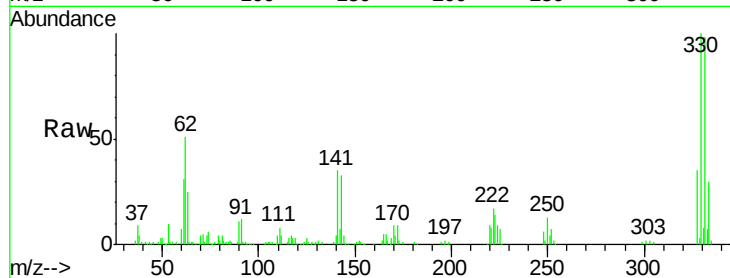




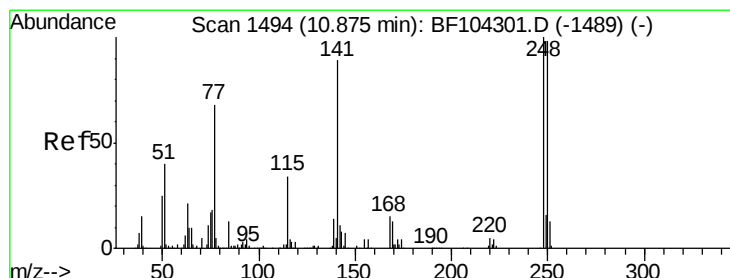
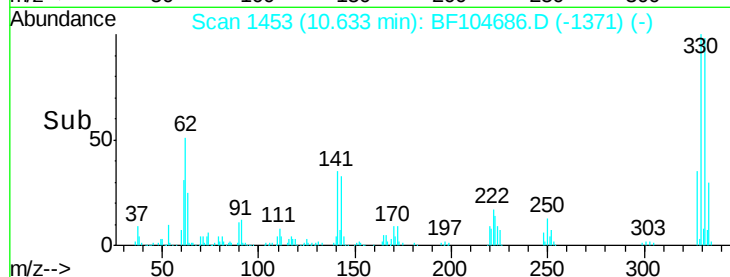
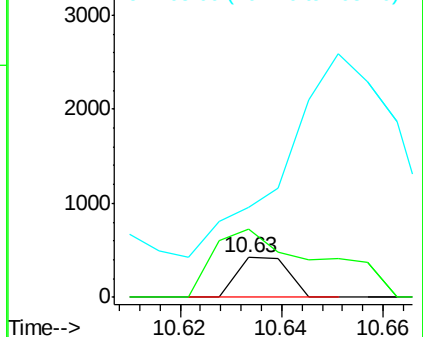
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.510 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Instrument :
 BNA_F
 ClientSampleId :
 MDP-B-2-0-6

Tot Ion:198 Resp: 296
 Ion Ratio Lower Upper
 198 100
 51 173.0 37.7 77.7#
 105 227.7 36.3 76.3#

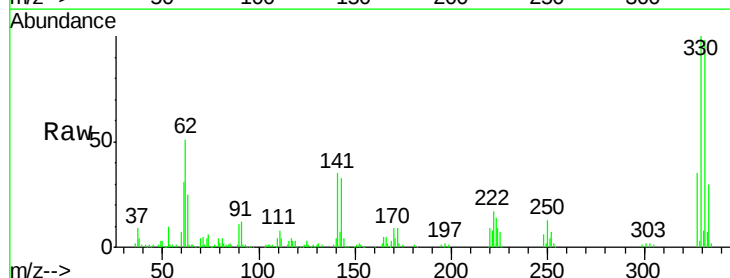


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

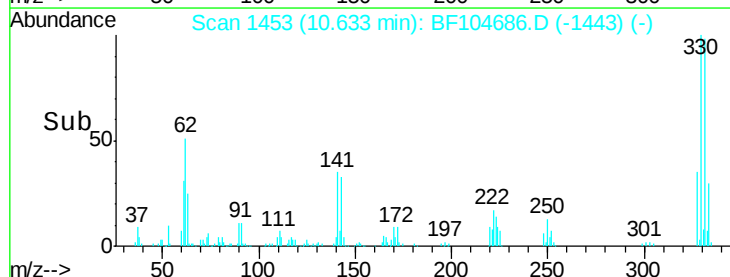
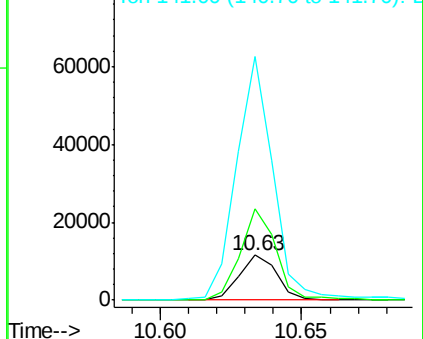


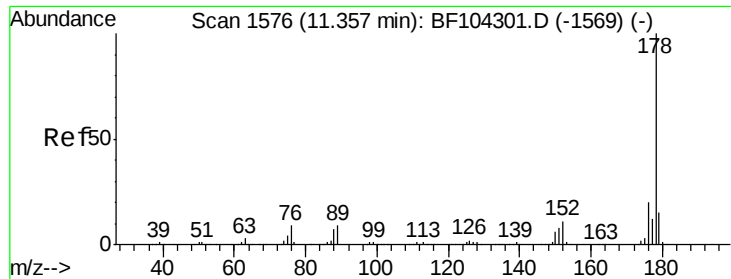
#66
 4-Bromophenyl-phenylether
 Concen: 3.145 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Tgt Ion:248 Resp: 10580
 Ion Ratio Lower Upper
 248 100
 250 202.9 76.9 115.3#
 141 542.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

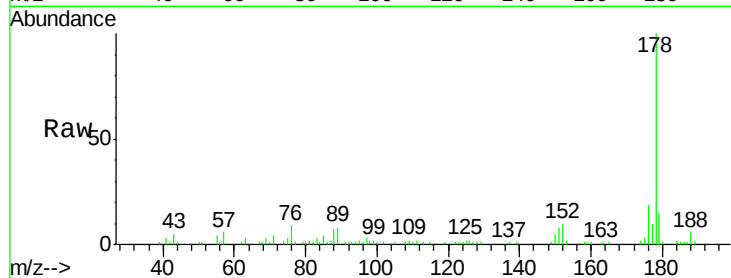




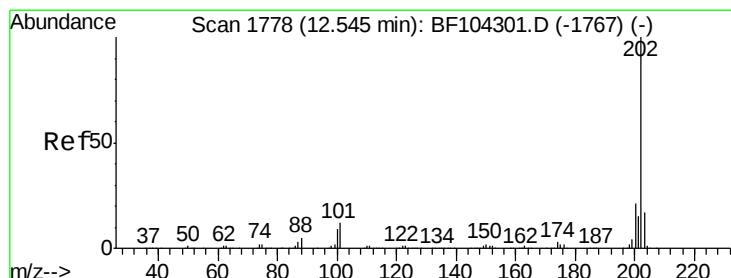
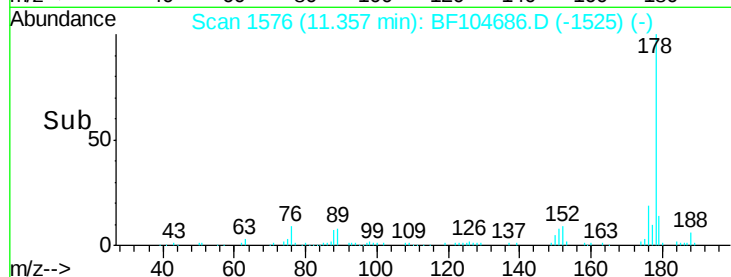
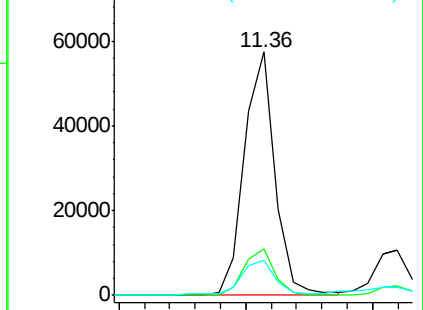
#70
Phenanthrene
Concen: 2.737 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
MDP-B-2-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.5	13.0	19.6

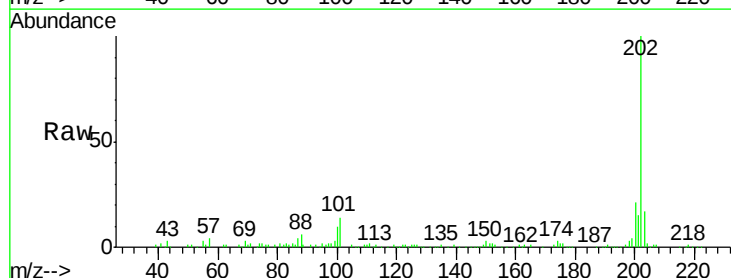


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

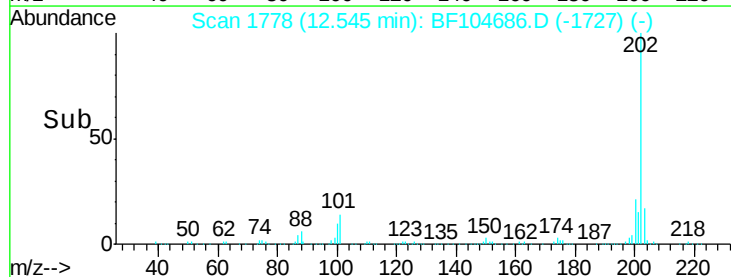
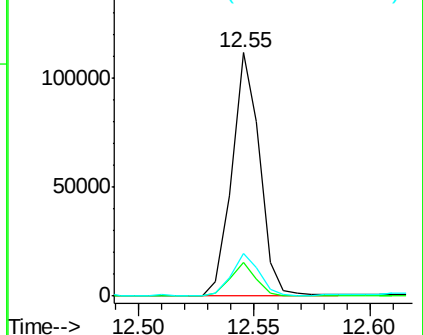


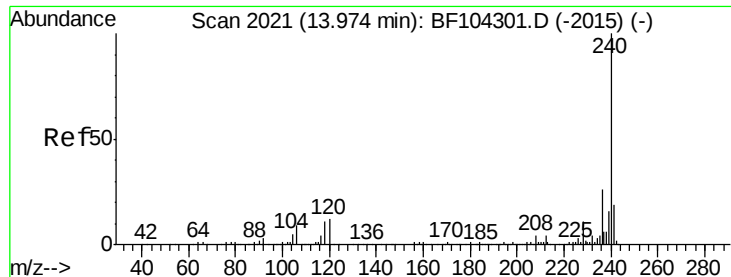
#74
Fluoranthene
Concen: 5.117 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.4	0.0	38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

MDP-B-2-0-6

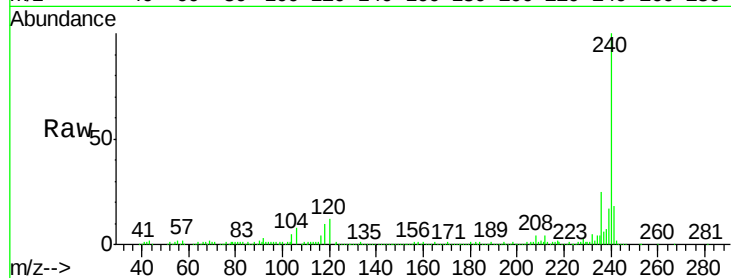
Tot Ion:240 Resp: 239736

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

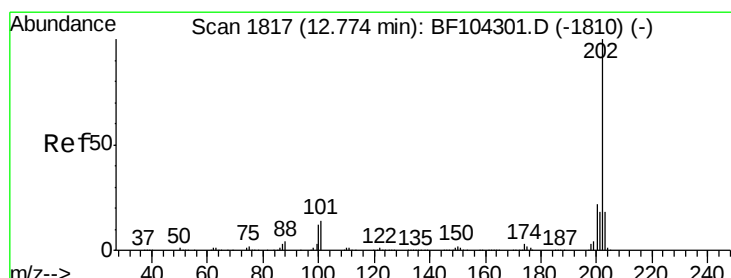
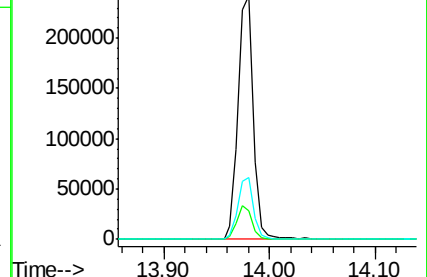
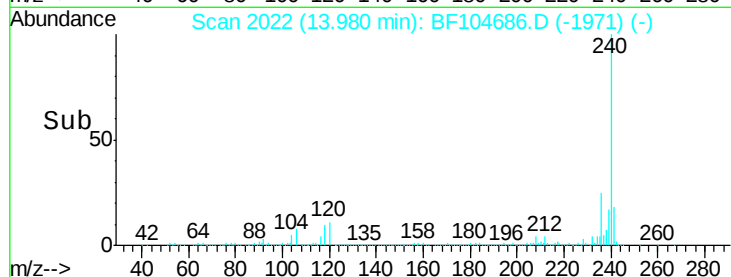
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 5.255 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

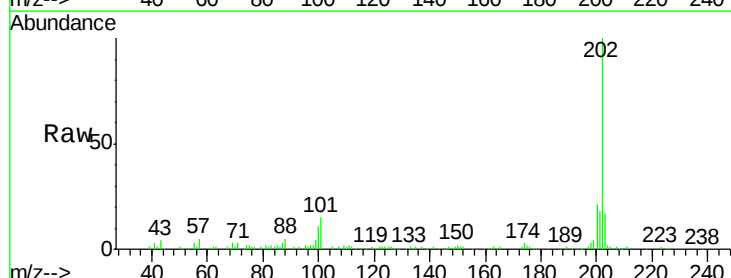
Tgt Ion:202 Resp: 93374

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

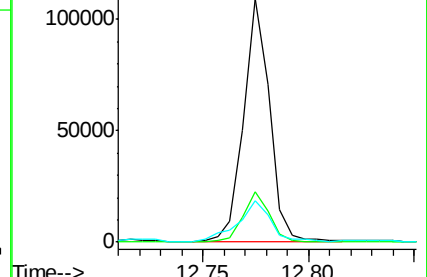
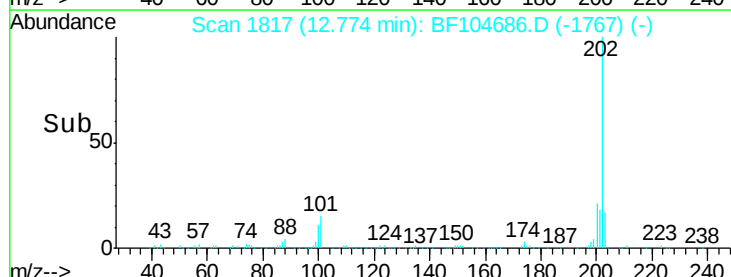
203 17.2 14.3 21.5

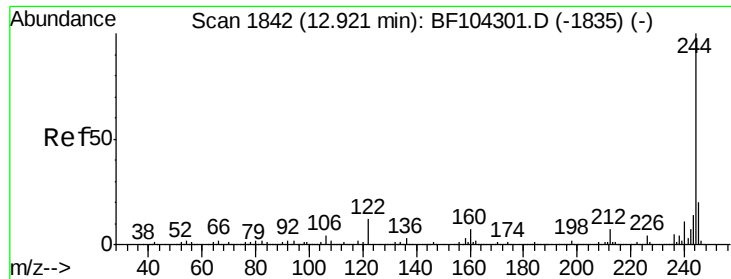


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

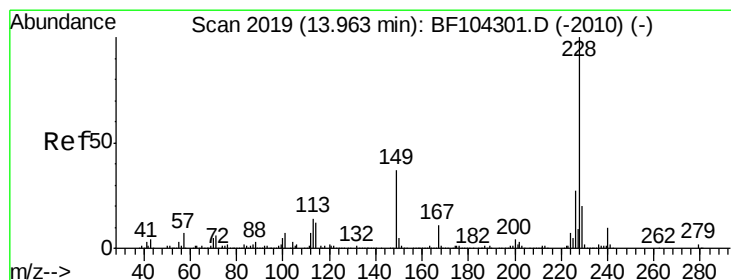
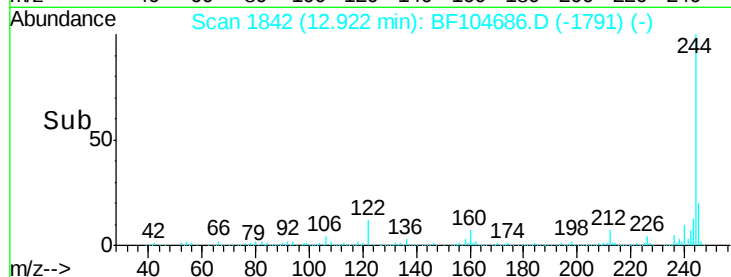
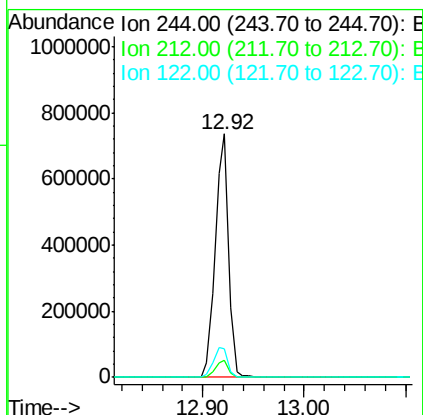
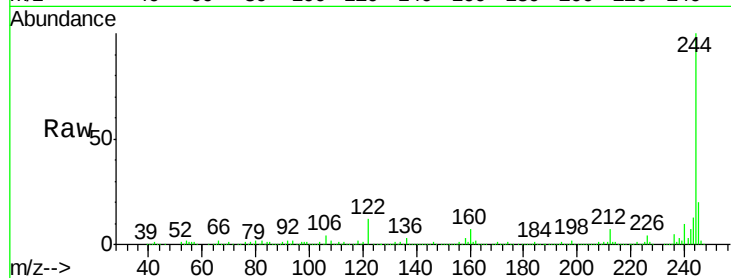




#78
 Terphenyl-d14
 Concen: 63.987 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

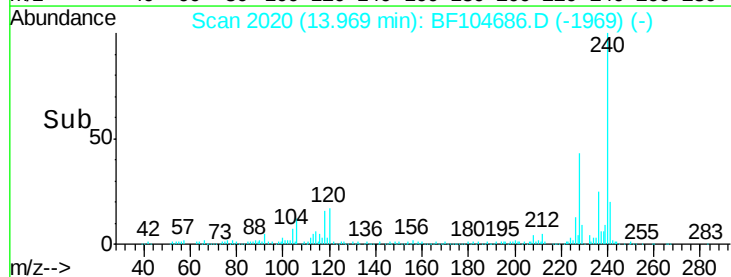
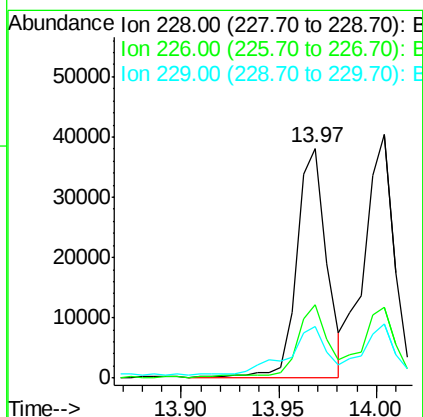
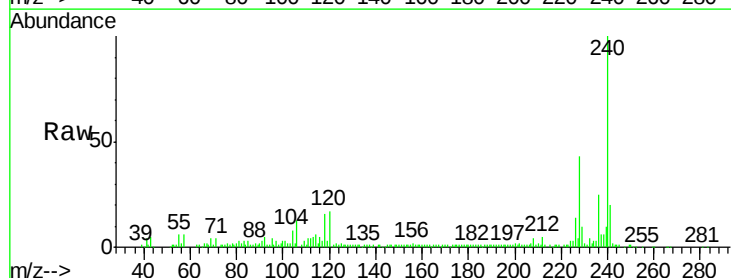
Instrument :
 BNA_F
 ClientSampleId :
 MDP-B-2-0-6

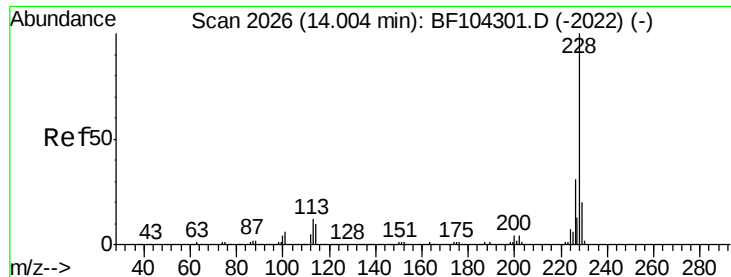
Tot Ion:244 Resp: 672856
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.834 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BF104686.D
 Acq: 20 Apr 2018 20:34

Tgt Ion:228 Resp: 40583
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 33.8
 229 22.3 15.8 23.6





#82

Chrysene

Concen: 3.017 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

MDP-B-2-0-6

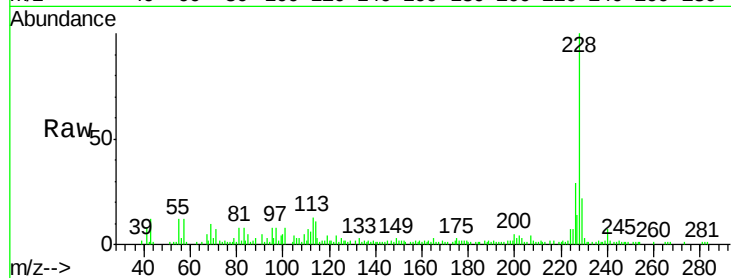
Tot Ion:228 Resp: 44381

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

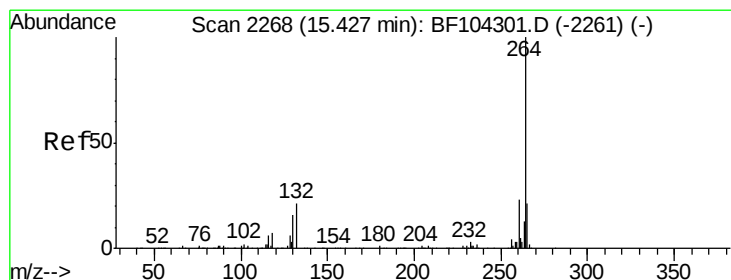
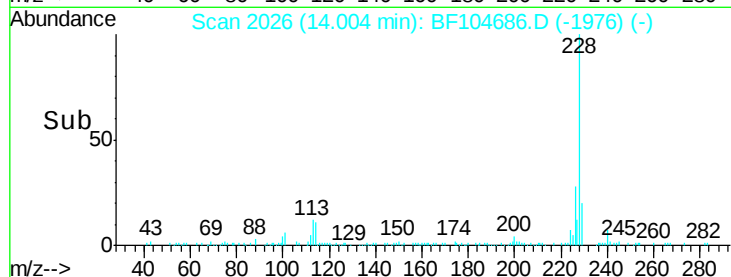
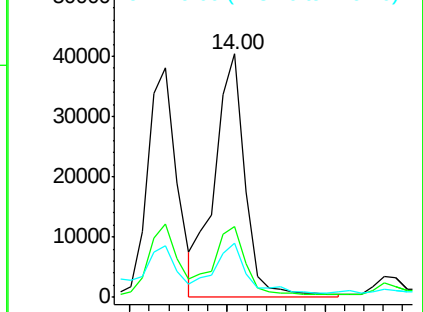
229 22.0 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

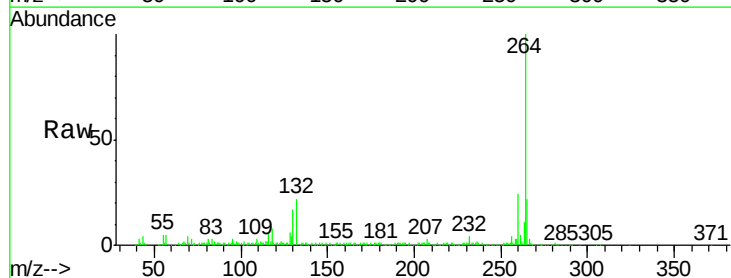
Tgt Ion:264 Resp: 189820

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

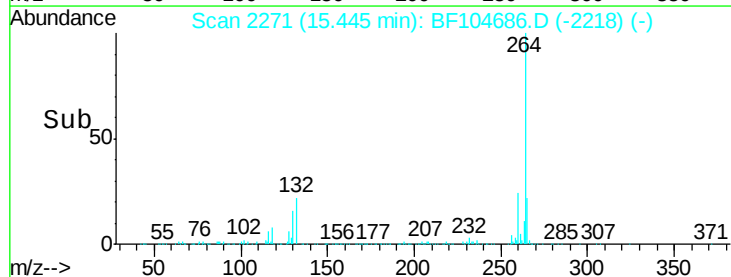
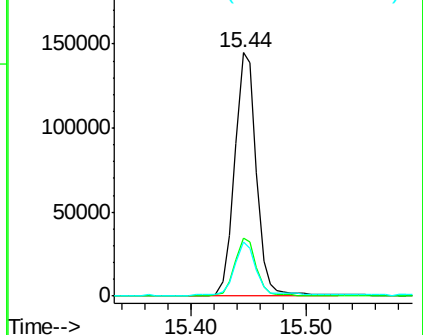
265 22.2 17.5 26.3

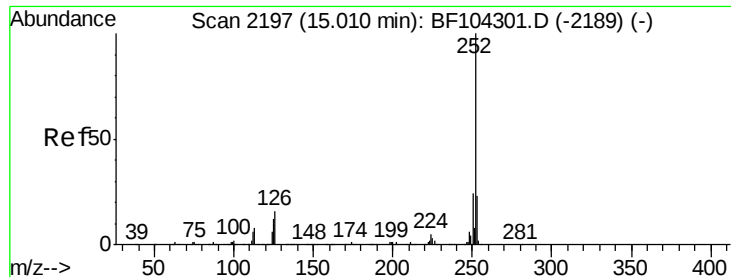


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.382 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

Instrument :

BNA_F

ClientSampleId :

MDP-B-2-0-6

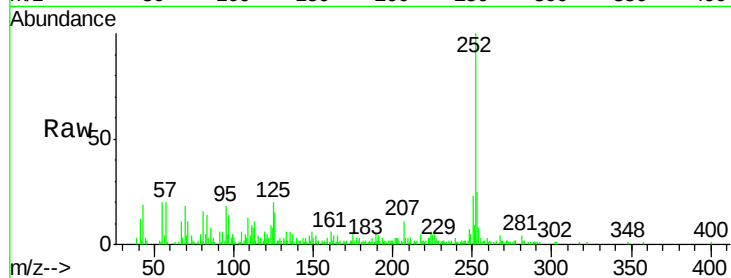
Tot Ion:252 Resp: 64528

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.6

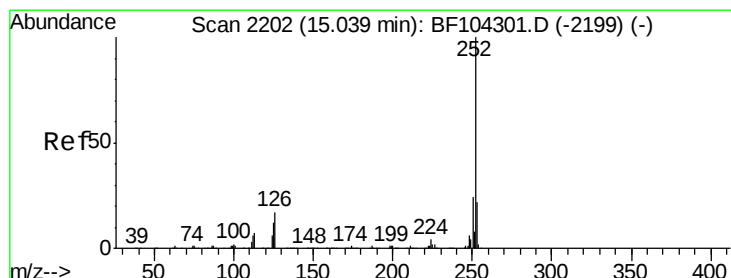
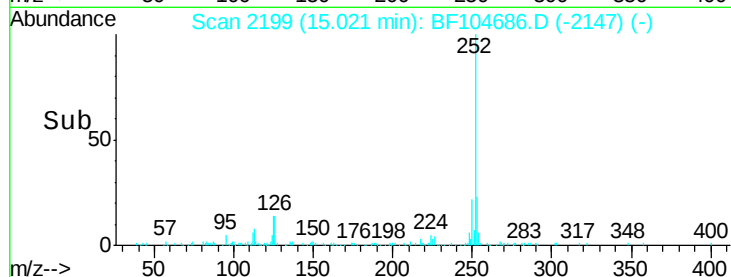
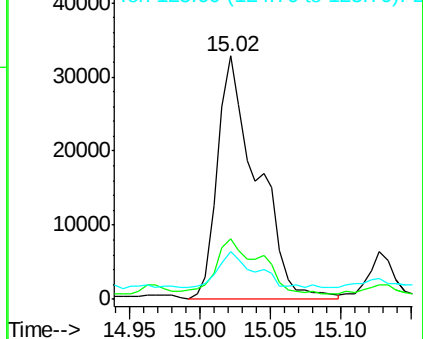
125 19.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 5.701 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF104686.D

Acq: 20 Apr 2018 20:34

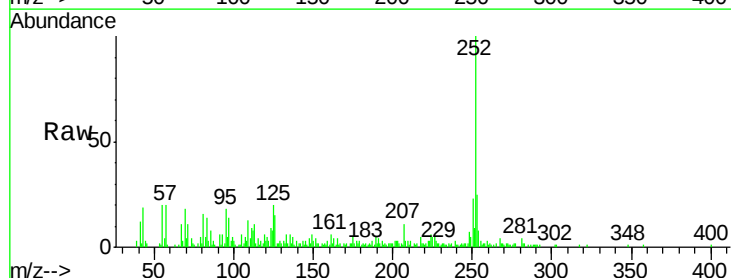
Tgt Ion:252 Resp: 64528

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

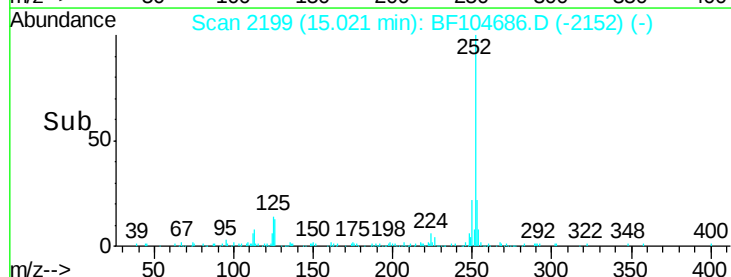
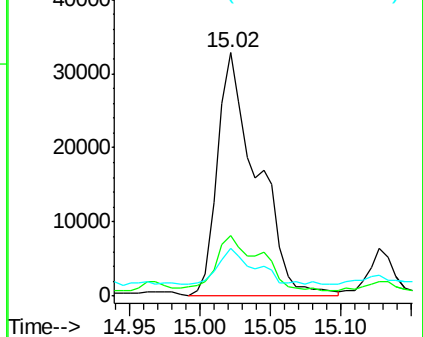
125 19.5 10.2 15.2#

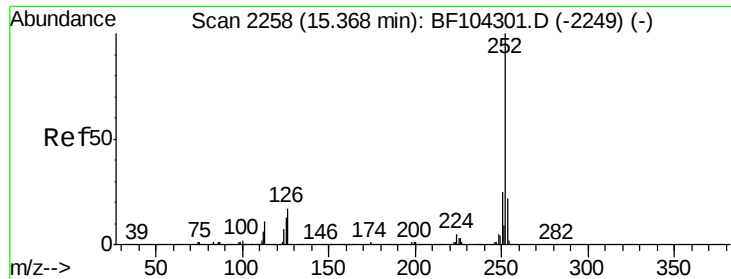


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

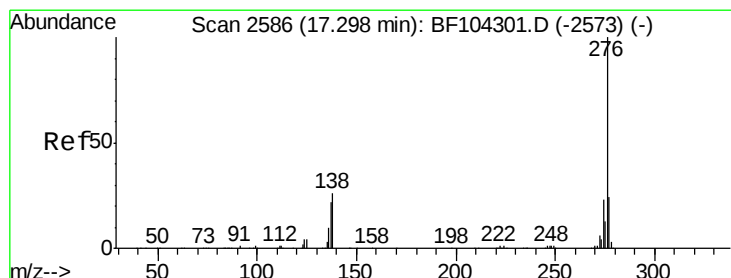
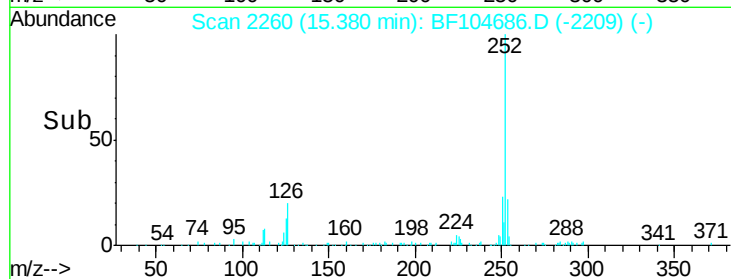
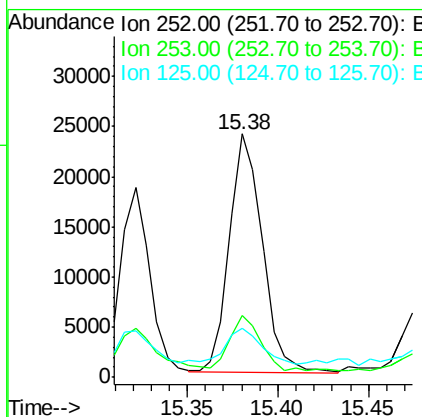
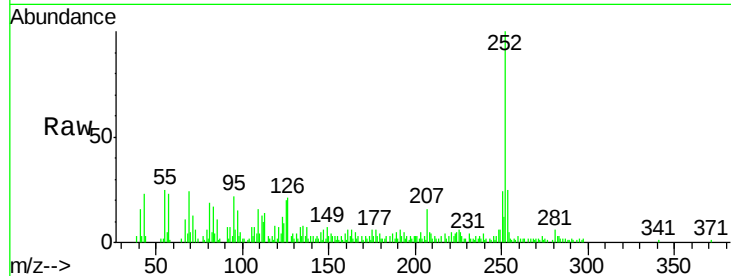




#89
Benzo(a)pyrene
Concen: 2.813 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
MDP-B-2-0-6

Tot Ion:252 Resp: 30177
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 20.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.373 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF104686.D
Acq: 20 Apr 2018 20:34

Tgt Ion:276 Resp: 20255
Ion Ratio Lower Upper
276 100
277 25.8 17.9 26.9
138 33.8 21.8 32.8#

