

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104992.D
 Acq On : 1 May 2018 19:01
 Operator : JU/SJ
 Sample : J2590-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(0-5)

Quant Time: May 02 06:52:59 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	118441	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	495100	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	222943	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	368915	20.00	ng	0.00
75) Chrysene-d12	14.02	240	230914	20.00	ng	0.04
86) Perylene-d12	15.56	264	213443	20.00	ng	0.13

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	648643	83.74	ng	0.00
7) Phenol-d6	6.43	99	811155	85.23	ng	0.00
23) Nitrobenzene-d5	7.36	82	499710	65.91	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	195328	84.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	910881	64.54	ng	0.00
78) Terphenyl-d14	12.92	244	751871	74.23	ng	0.00

Target Compounds

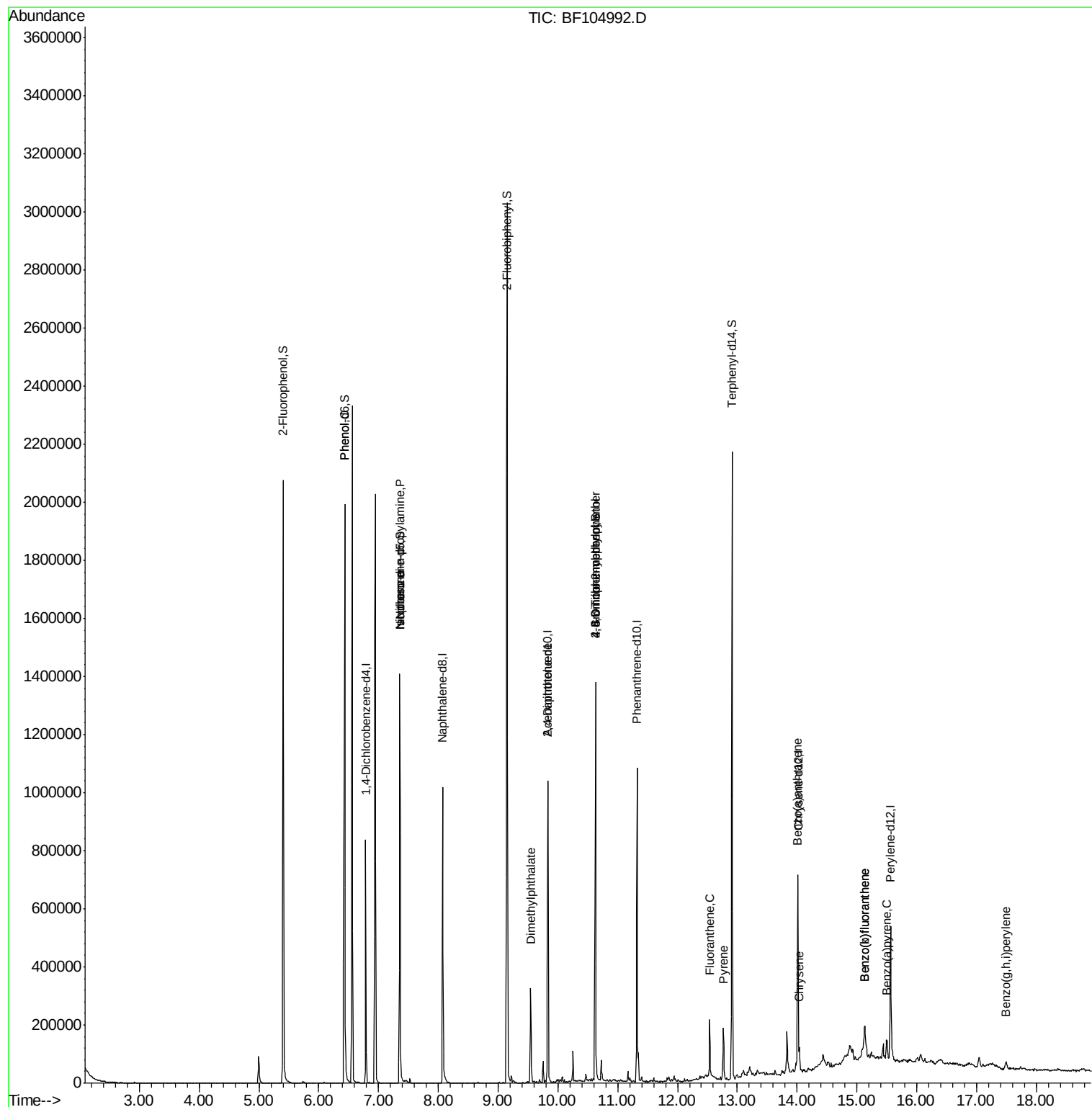
						Qvalue
10) Phenol	6.44	94	39649	3.926	ng	81
19) n-Nitroso-di-n-propylamine	7.36	70	64394	10.354	ng	# 72
25) Isophorone	7.36	82	499705	31.166	ng	# 64
49) Dimethylphthalate	9.55	163	134736	7.664	ng	100
56) 2,4-Dinitrotoluene	9.83	165	28201	6.609	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	366	7.520	ng	# 3
66) 4-Bromophenyl-phenylether	10.63	248	11922	3.038	ng	# 1
74) Fluoranthene	12.54	202	72823	3.393	ng	97
76) Benzidine	12.92	184	9996	Below Cal		96
77) Pyrene	12.77	202	72223	4.220	ng	98
80) Benzo(a)anthracene	14.00	228	34722	2.517	ng	94
82) Chrysene	14.04	228	30223	2.133	ng	97
87) Benzo(b)fluoranthene	15.13	252	60601	4.495	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	60601	4.762	ng	# 94
89) Benzo(a)pyrene	15.50	252	33764	2.799	ng	# 95
91) Benzo(g,h,i)perylene	17.49	276	19416	2.023	ng	97

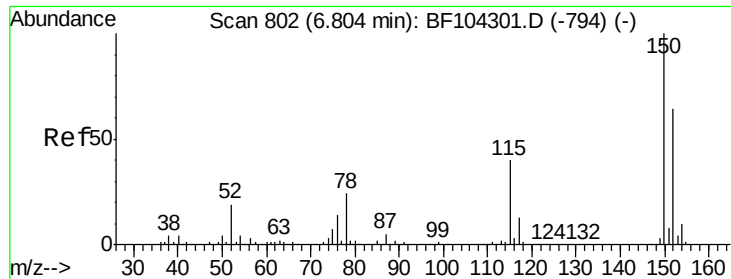
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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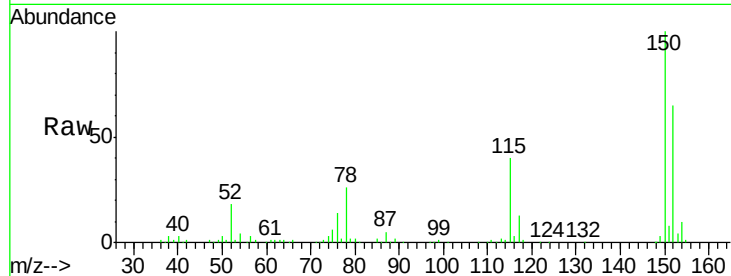


#1

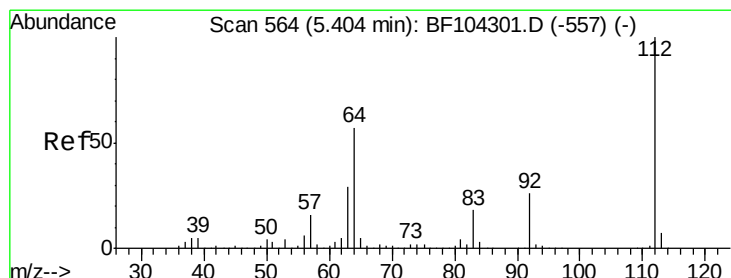
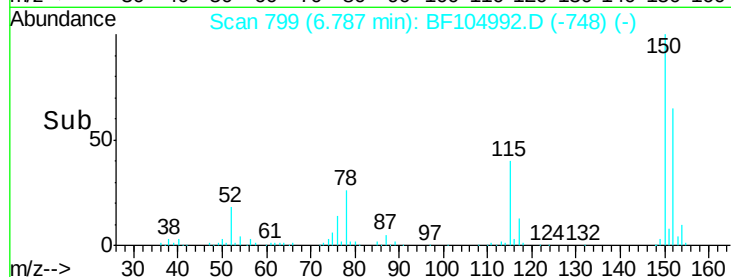
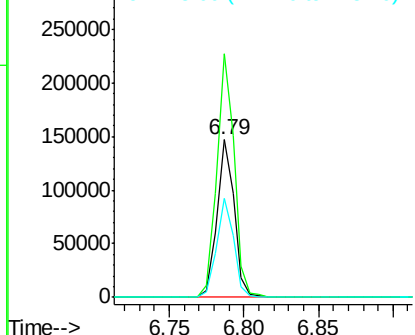
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(0-5)

Tgt Ion:152 Resp: 118441
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 62.5 50.1 75.1



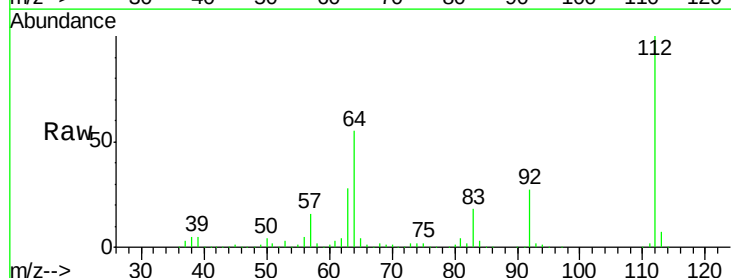
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



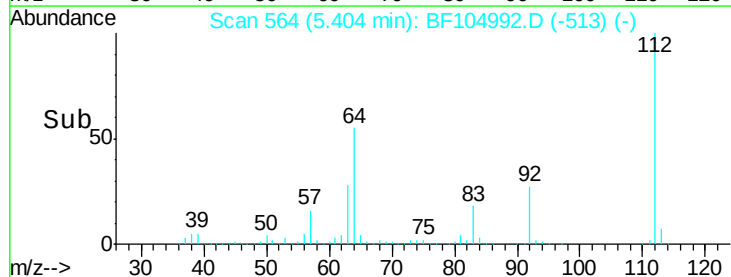
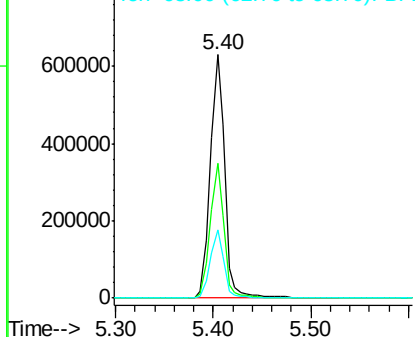
#5

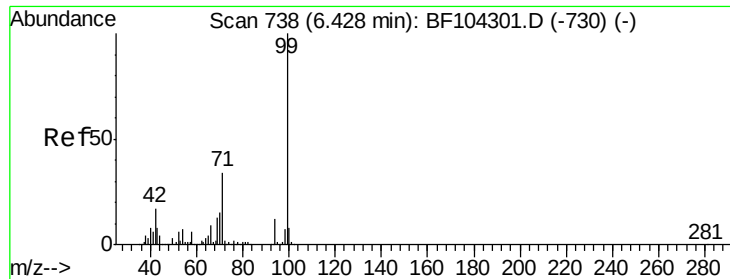
2-Fluorophenol
Concen: 83.739 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Tgt Ion:112 Resp: 648643
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.229 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(0-5)

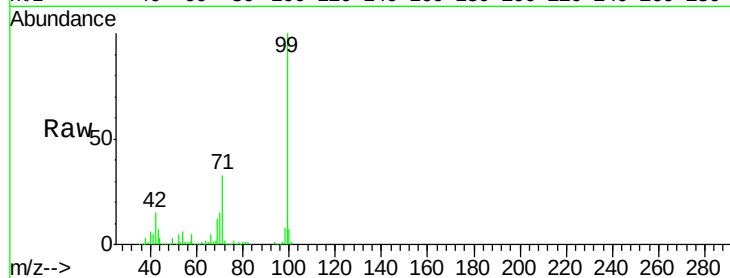
Tgt Ion: 99 Resp: 811155

Ion Ratio Lower Upper

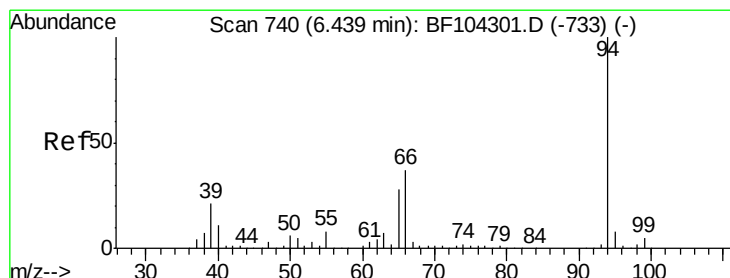
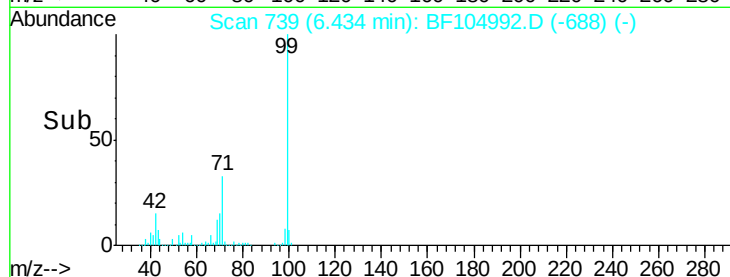
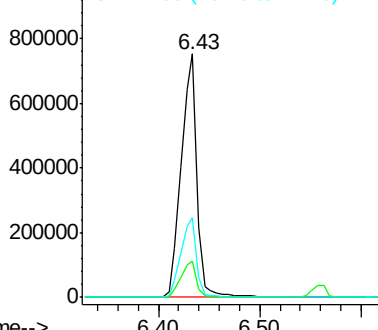
99 100

42 15.1 14.5 21.7

71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.926 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

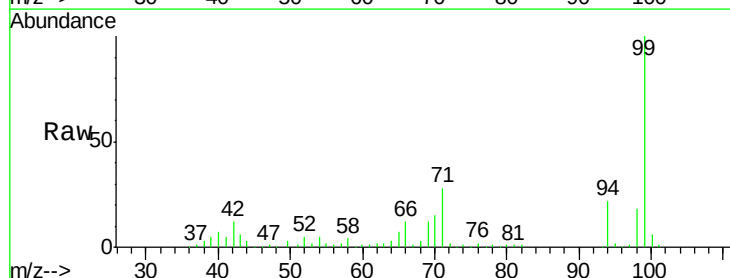
Tgt Ion: 94 Resp: 39649

Ion Ratio Lower Upper

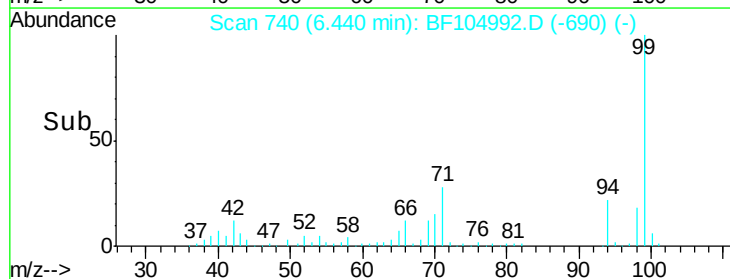
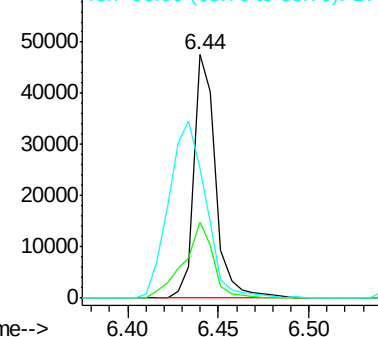
94 100

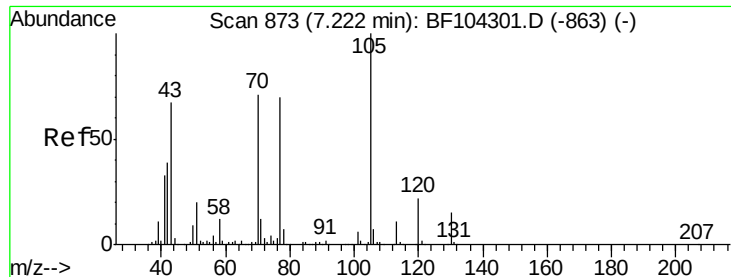
65 31.0 7.9 47.9

66 53.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

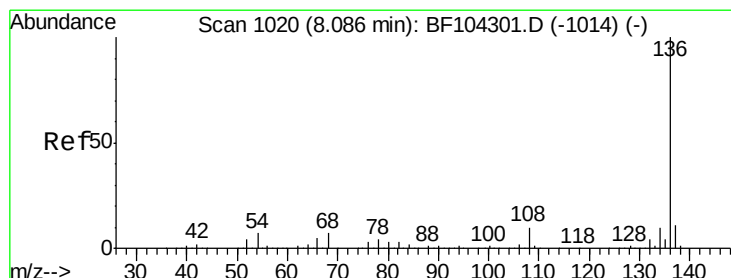
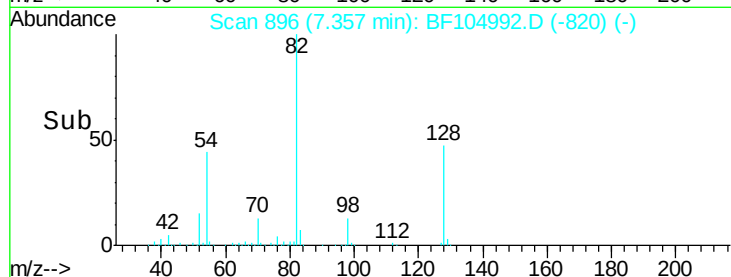
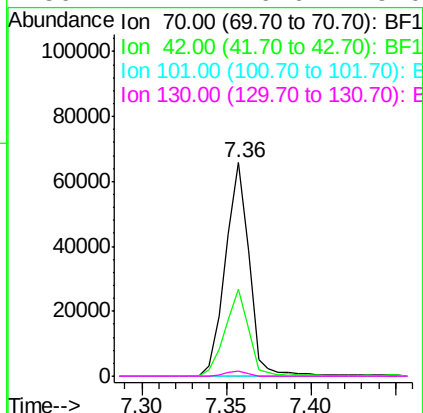
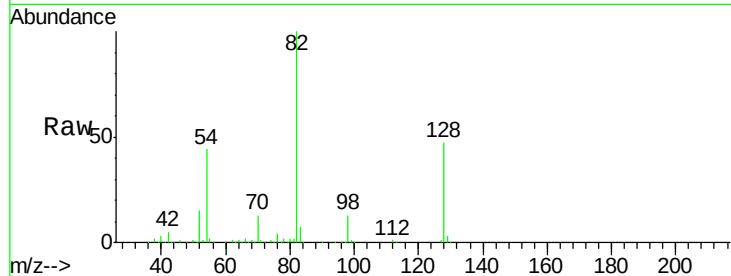




#19
n-Nitroso-di-n-propylamine
Concen: 10.354 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

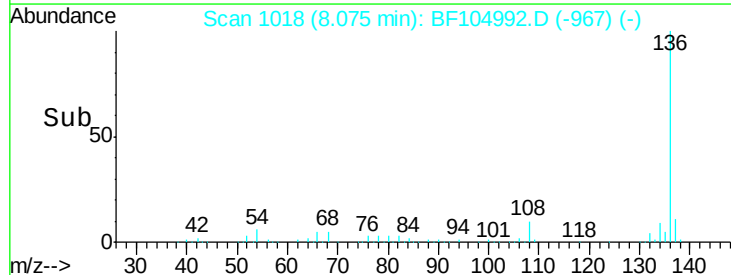
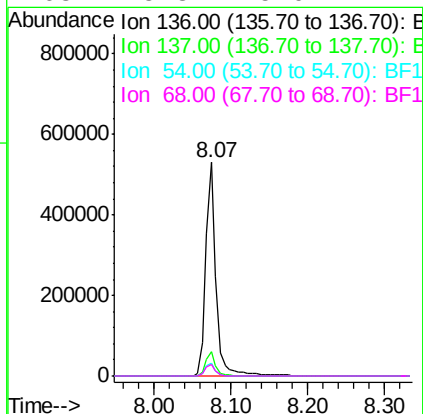
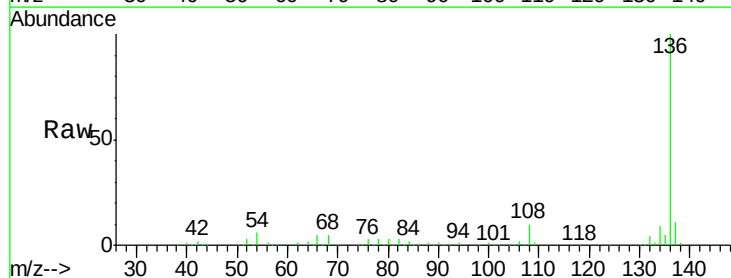
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EPE-MX-4(0-5)

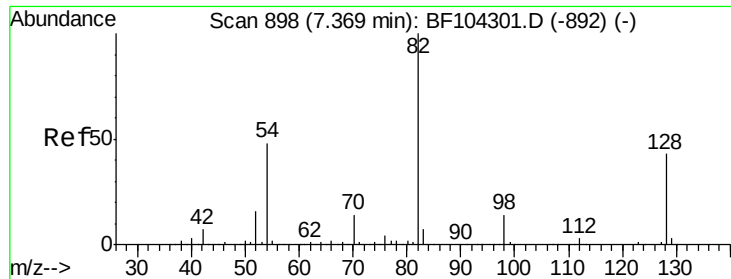
Tgt Ion: 70 Resp: 64394
Ion Ratio Lower Upper
70 100
42 41.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Tgt Ion: 136 Resp: 495100
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.0 6.6 9.8#
68 5.3 5.0 7.4

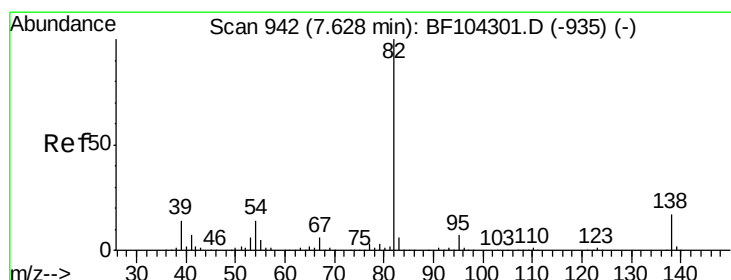
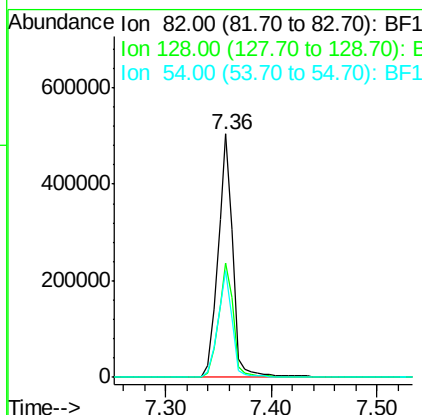
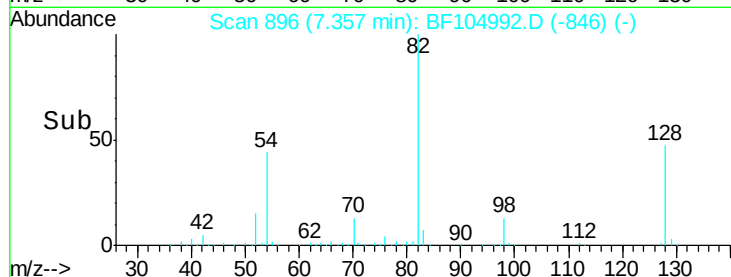
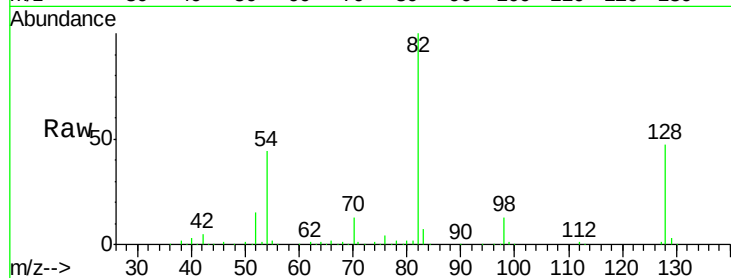




#23
 Nitrobenzene-d5
 Concen: 65.906 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

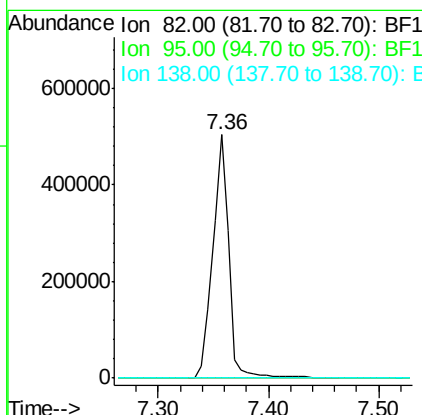
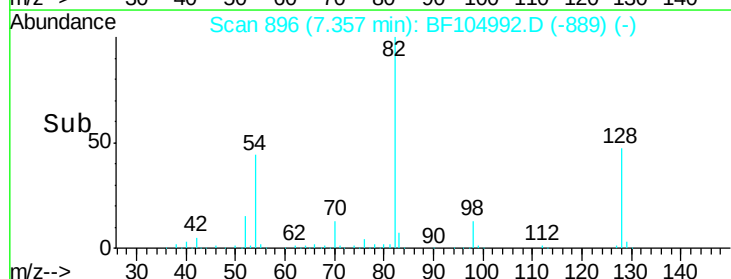
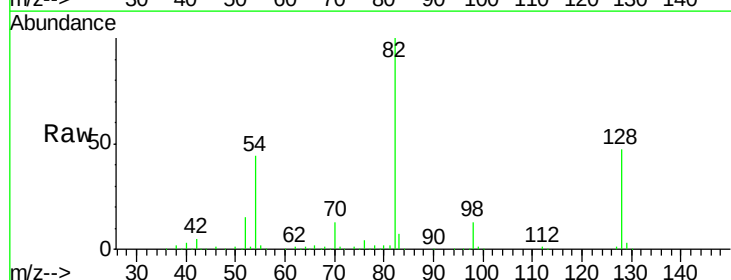
Instrument :
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 ClientSampleId :
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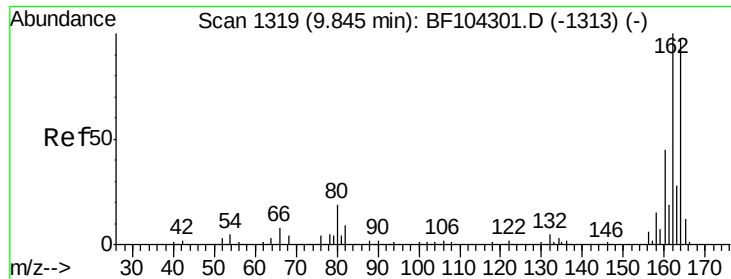
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.0	41.4	62.2



#25
 Isophorone
 Concen: 31.166 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

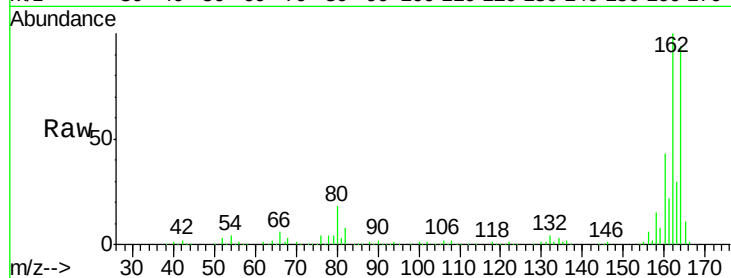




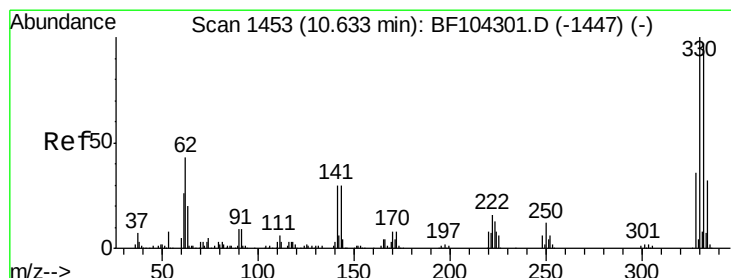
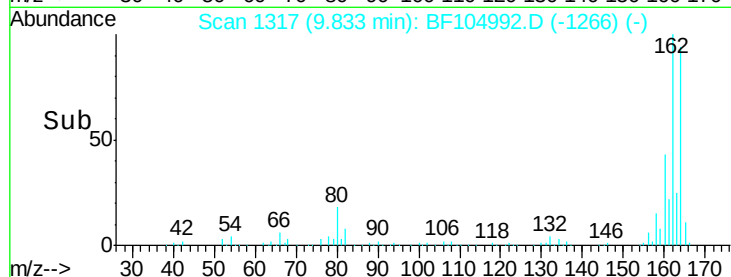
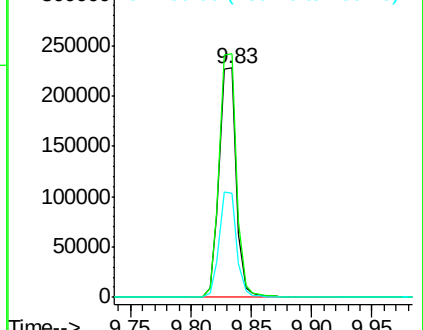
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(0-5)

Tgt Ion:164 Resp: 222943
 Ion Ratio Lower Upper
 164 100
 162 106.2 86.1 129.1
 160 45.5 38.3 57.5

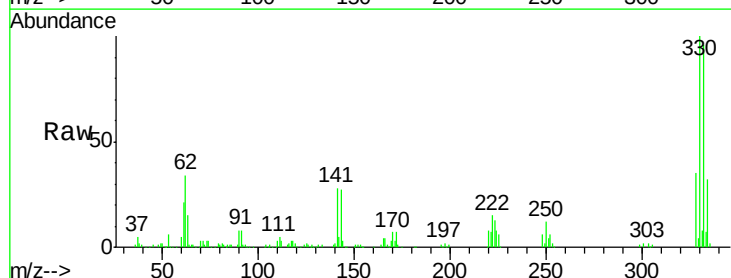


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

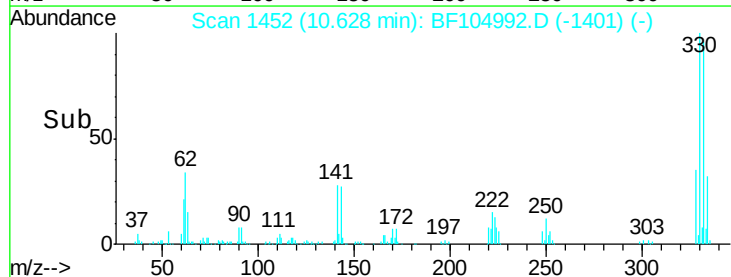
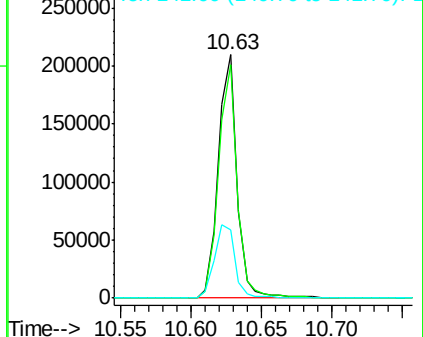


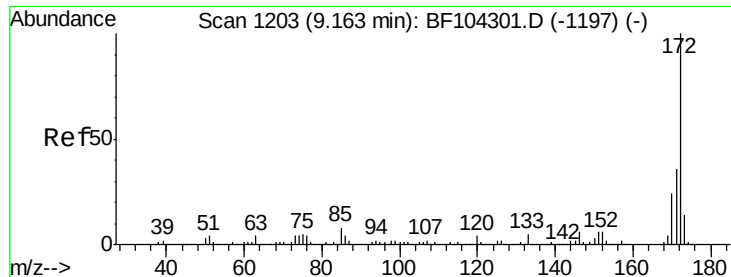
#41
 2,4,6-Tribromophenol
 Concen: 84.461 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Tgt Ion:330 Resp: 195328
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.6 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

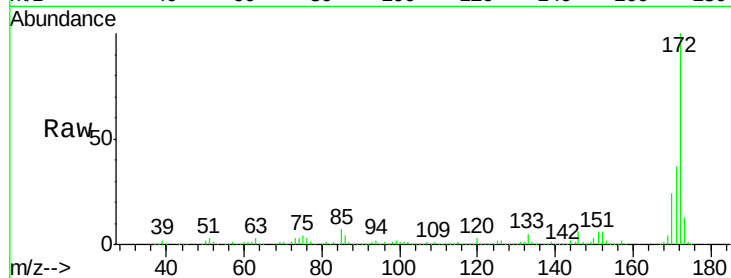




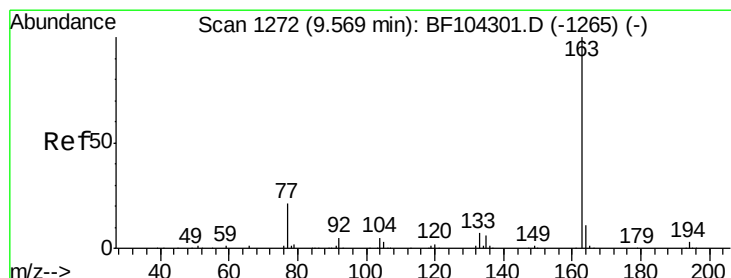
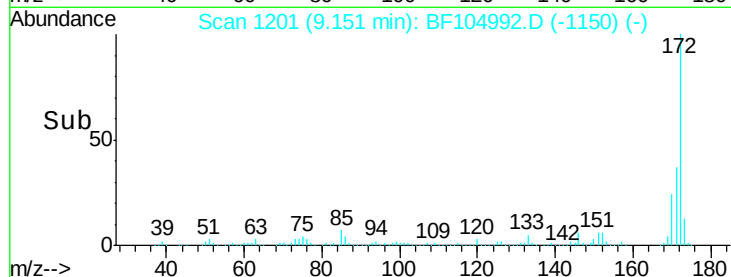
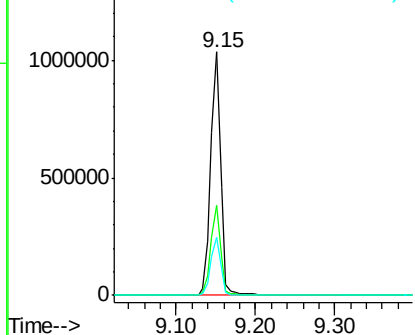
#44
 2-Fluorobiphenyl
 Concen: 64.544 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Instrument :
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 EPE-MX-4(0-5)

Tgt Ion:172 Resp: 910881
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.0 19.6 29.4

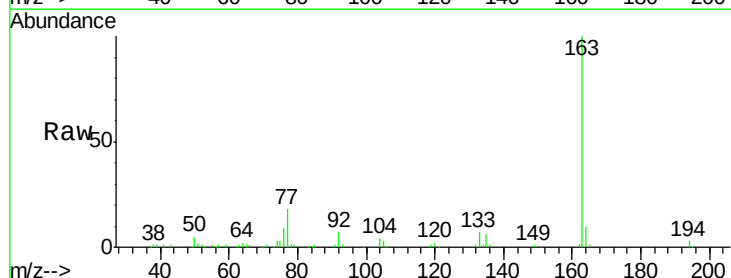


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

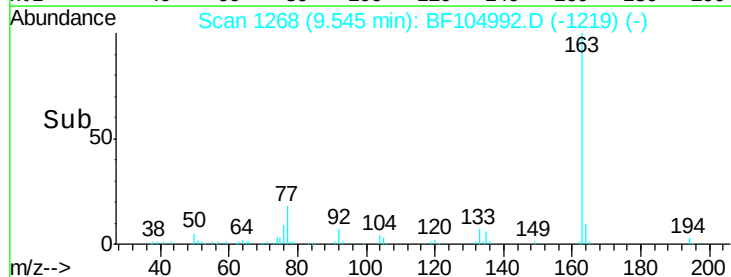
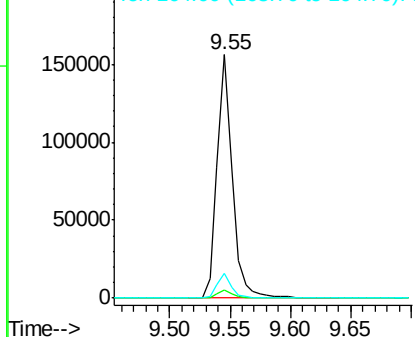


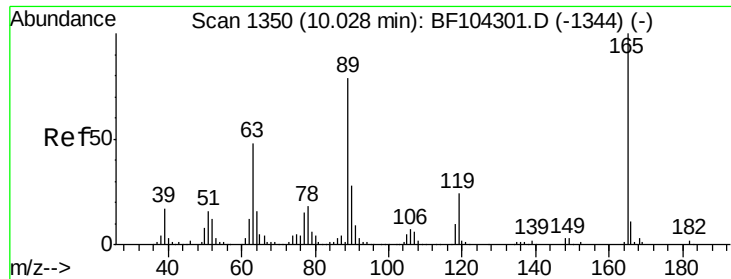
#49
 Dimethylphthalate
 Concen: 7.664 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Tgt Ion:163 Resp: 134736
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 10.1 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

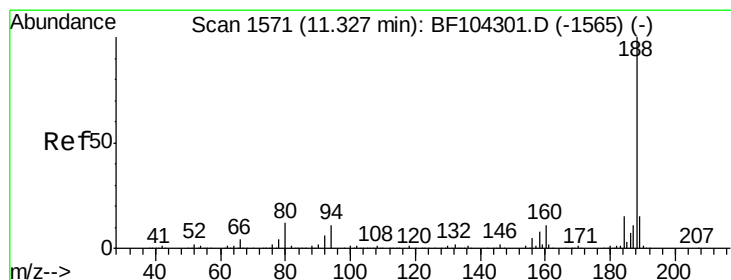
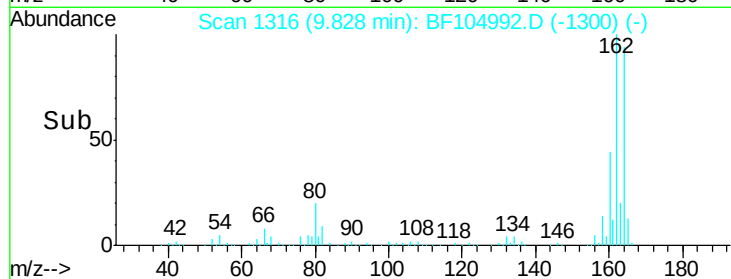
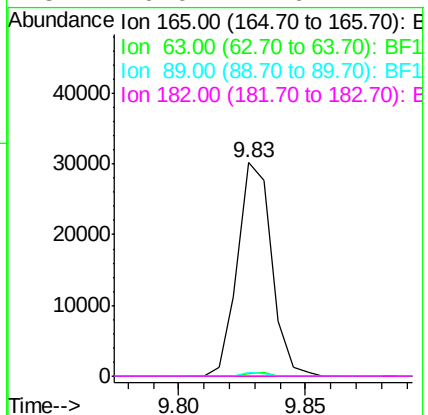
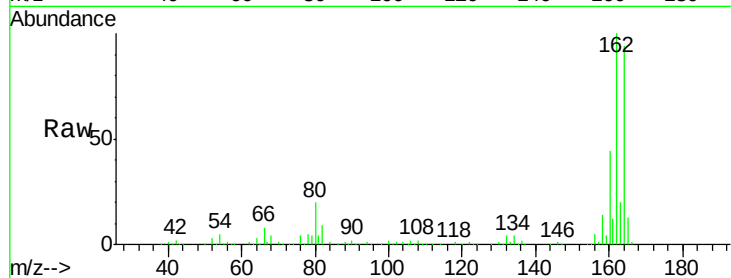




#56
 2,4-Dinitrotoluene
 Concen: 6.609 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

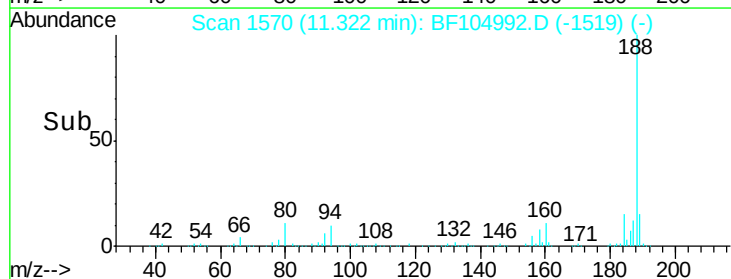
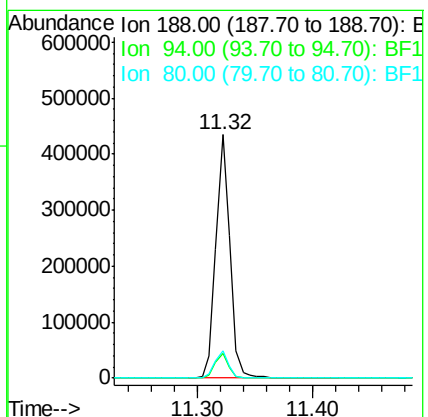
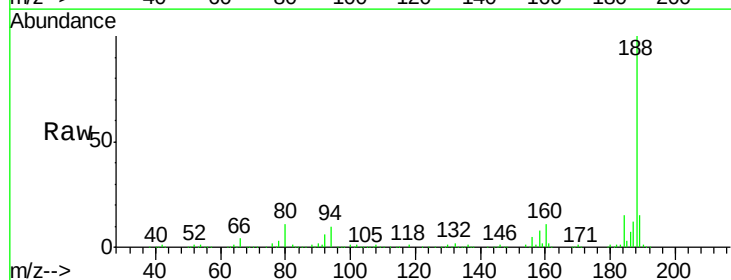
Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(0-5)

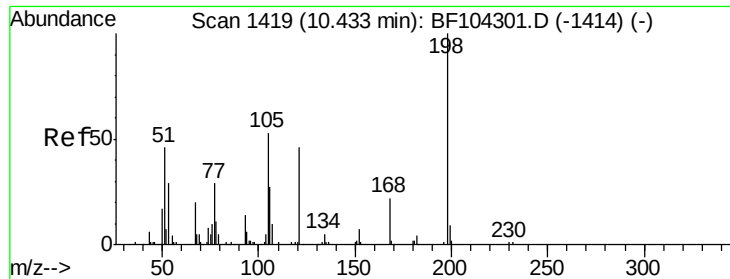
Tgt Ion:	165	Resp:	28201
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Tgt Ion:	188	Resp:	368915
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.0	9.2	13.8

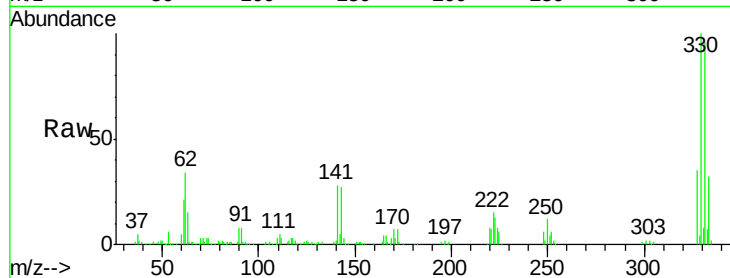




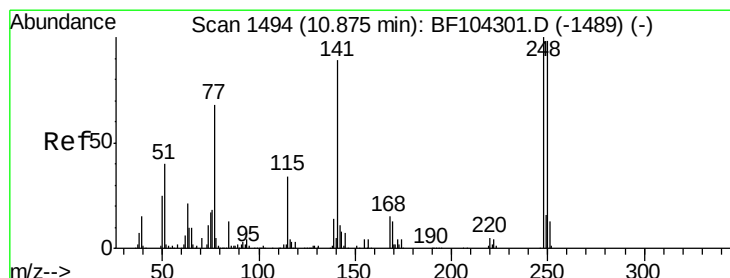
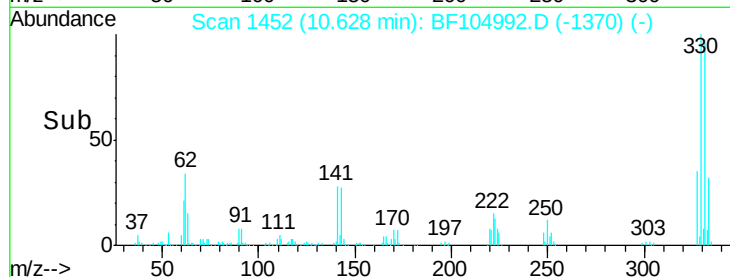
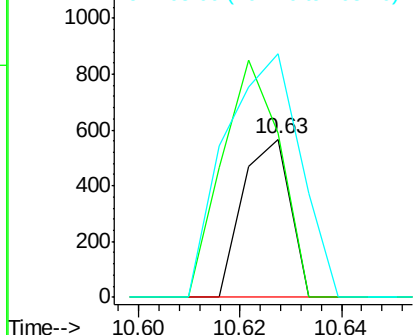
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.520 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.18 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(0-5)

Tgt Ion:198 Resp: 366
 Ion Ratio Lower Upper
 198 100
 51 103.5 37.7 77.7#
 105 153.7 36.3 76.3#

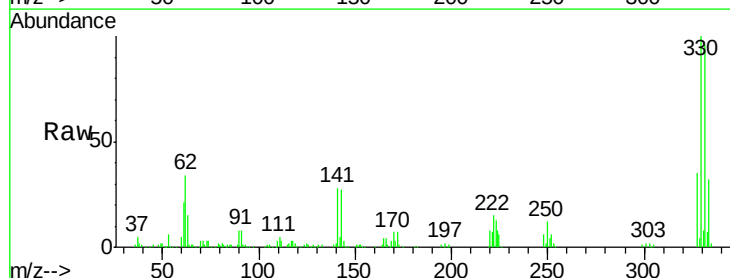


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

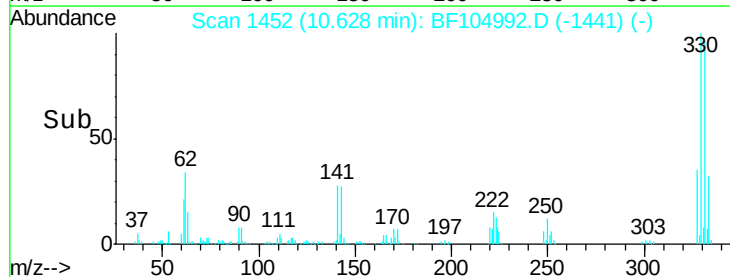
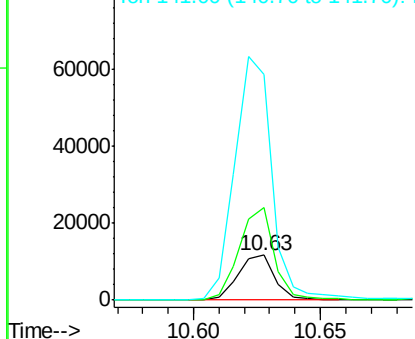


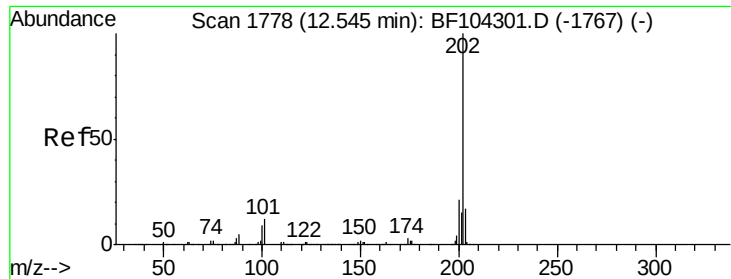
#66
 4-Bromophenyl-phenylether
 Concen: 3.038 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Tgt Ion:248 Resp: 11922
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.9 115.3#
 141 499.8 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





#74

Fluoranthene

Concen: 3.393 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(0-5)

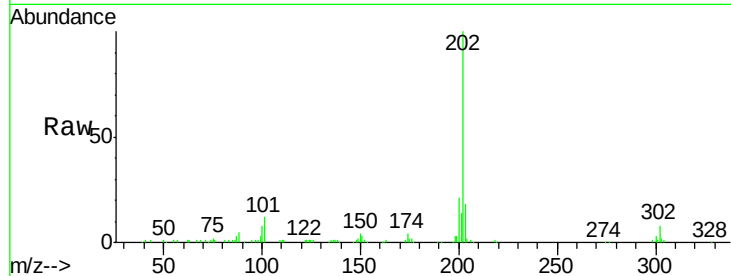
Tgt Ion:202 Resp: 72823

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

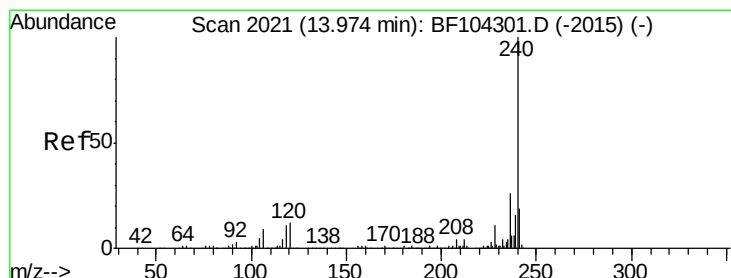
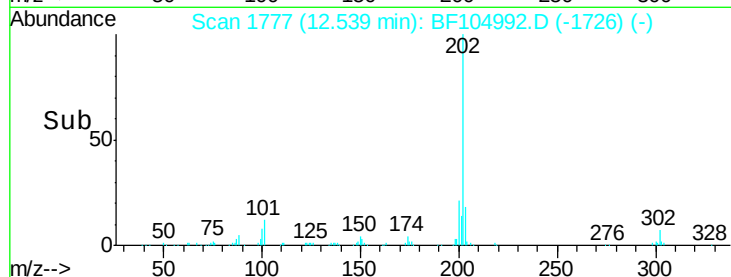
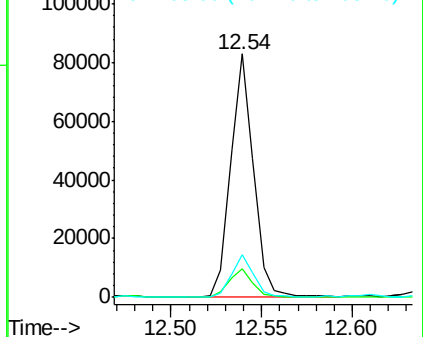
203 17.6 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

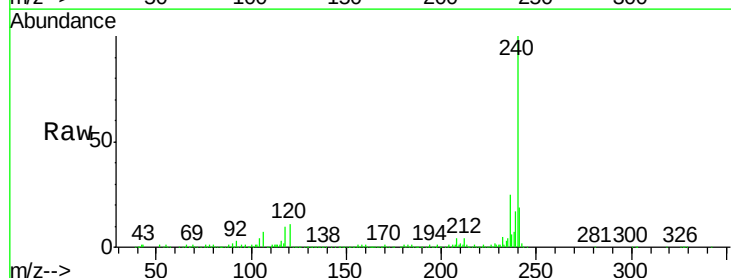
Tgt Ion:240 Resp: 230914

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

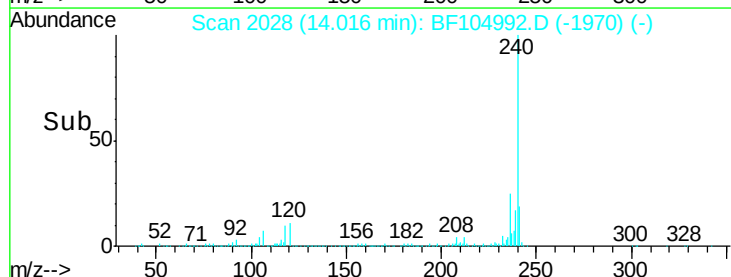
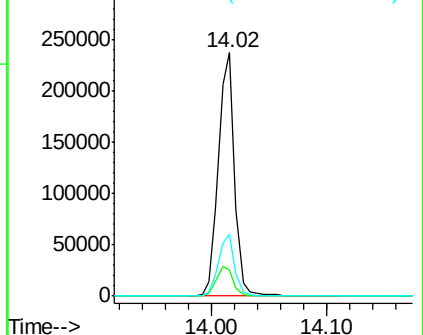
236 25.3 20.7 31.1

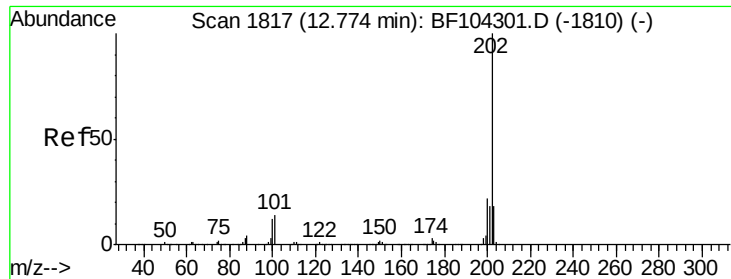


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.220 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(0-5)

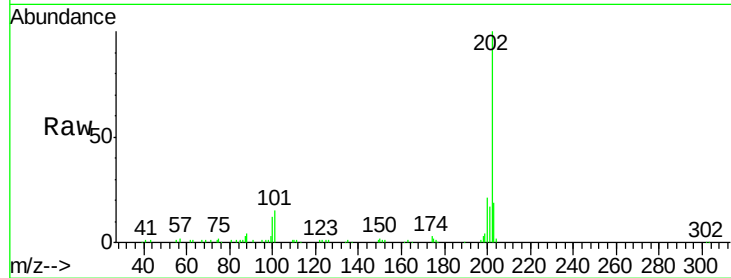
Tgt Ion:202 Resp: 72223

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

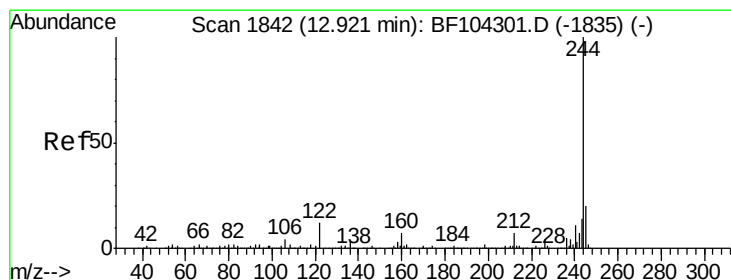
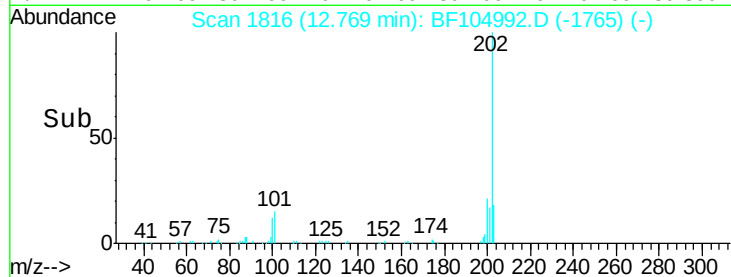
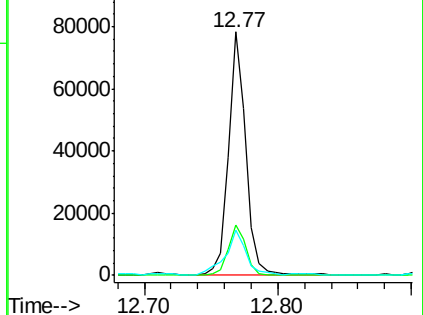
203 18.5 14.3 21.5



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: 74.233 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF104992.D

Acq: 1 May 2018 19:01

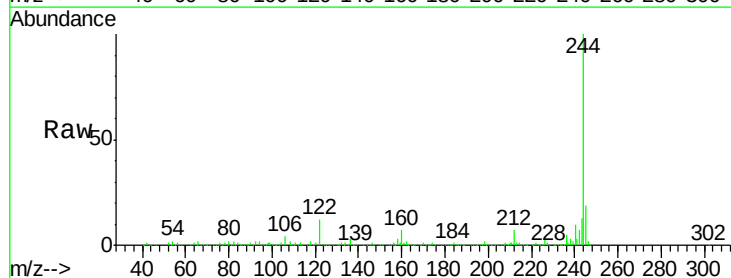
Tgt Ion:244 Resp: 751871

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

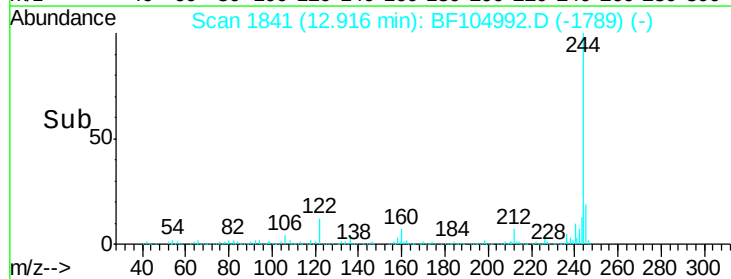
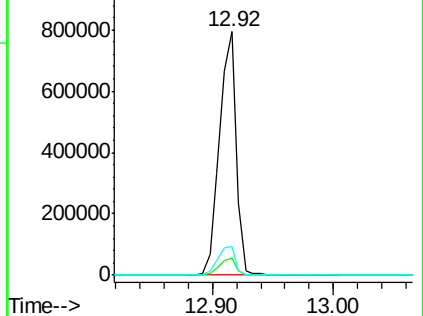
122 11.6 11.0 16.4

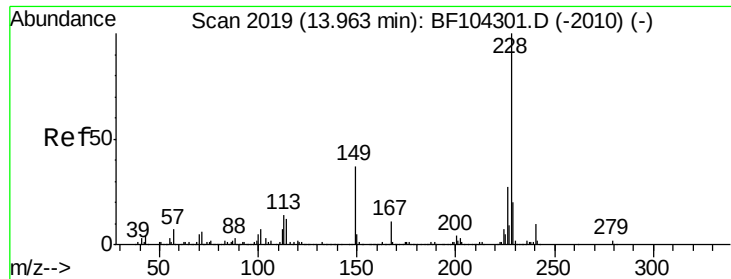


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

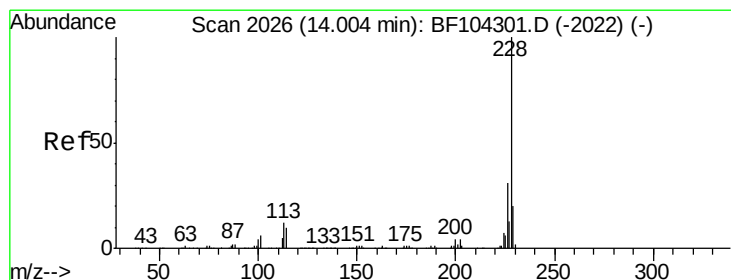
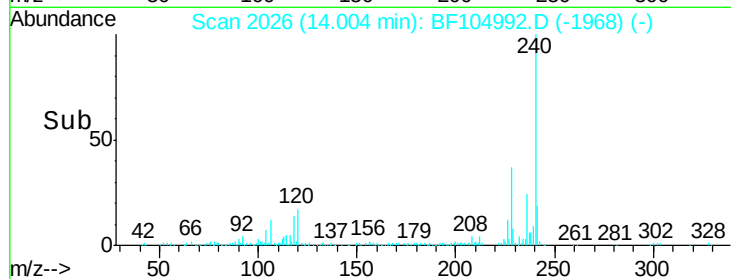
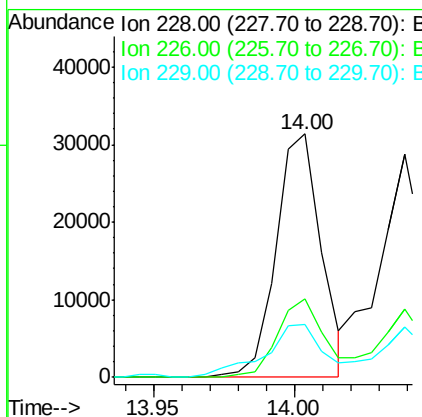
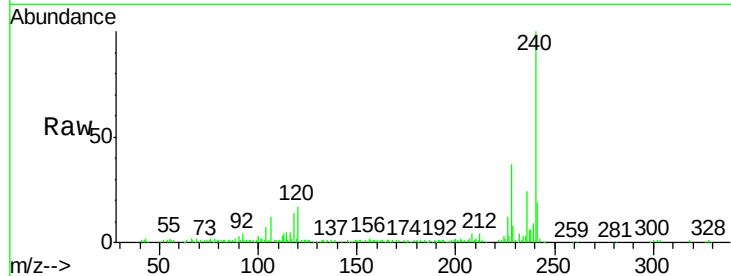




#80
Benzo(a)anthracene
Concen: 2.517 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

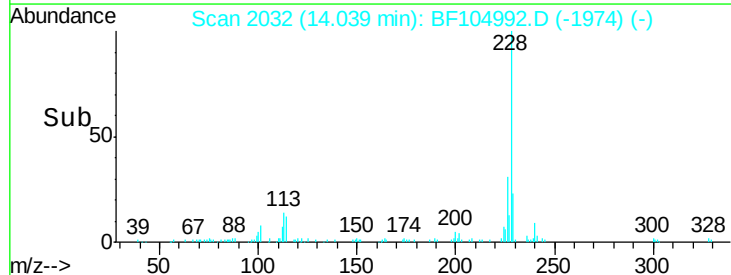
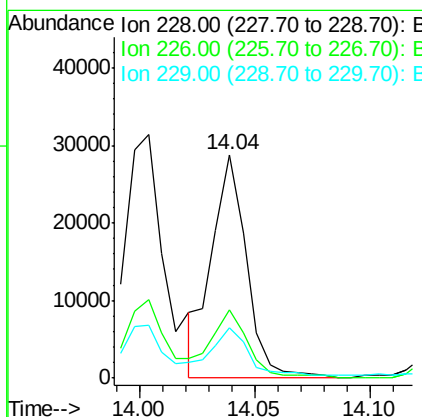
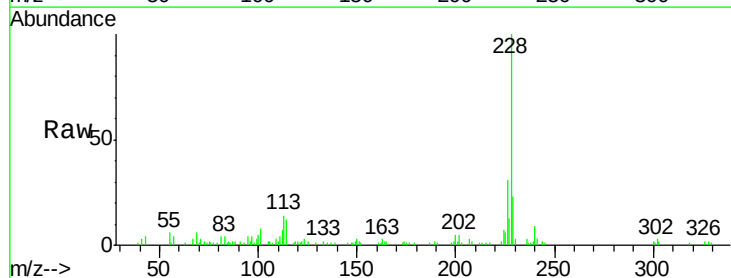
Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(0-5)

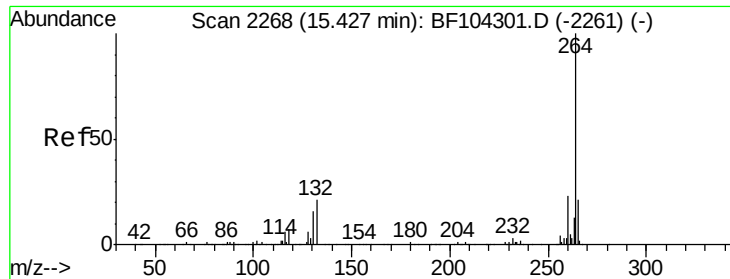
Tgt Ion:228 Resp: 34722
Ion Ratio Lower Upper
228 100
226 32.3 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 2.133 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.04 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Tgt Ion:228 Resp: 30223
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.8 16.2 24.4

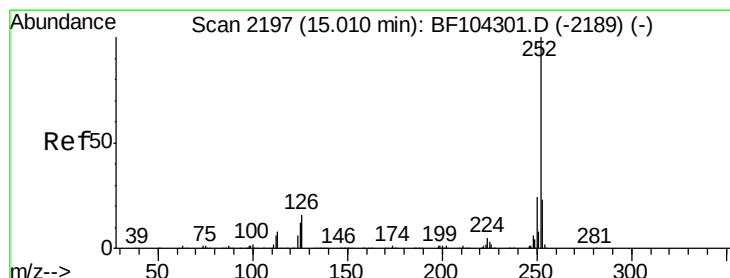
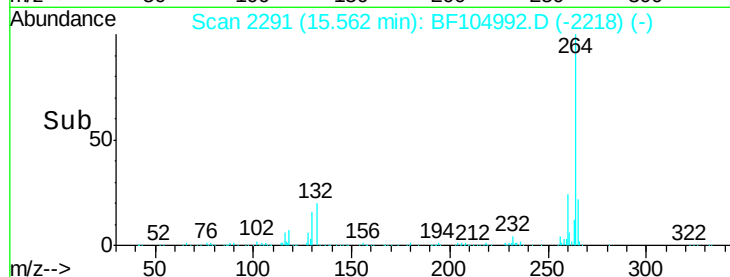
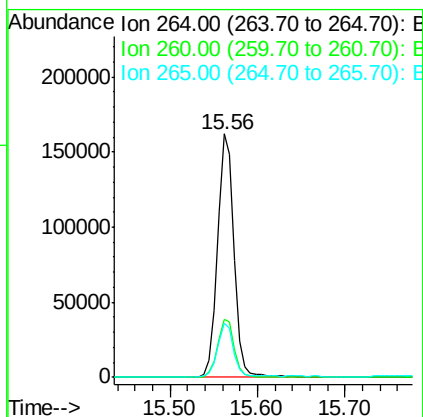
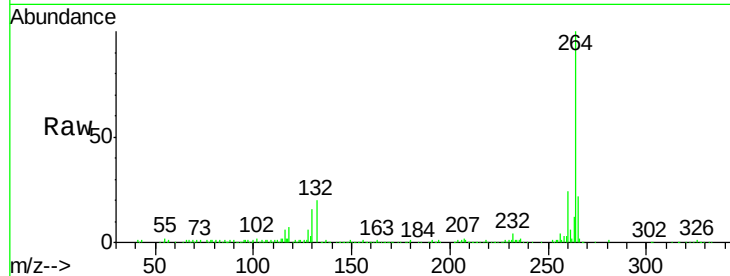




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.13 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

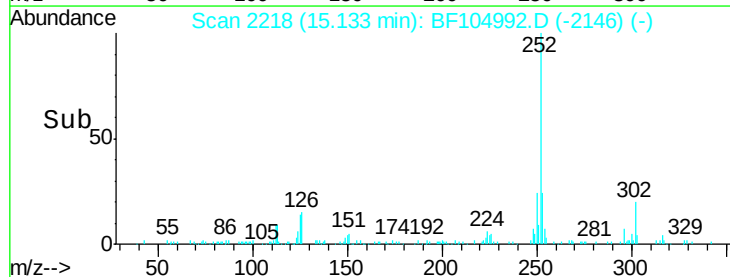
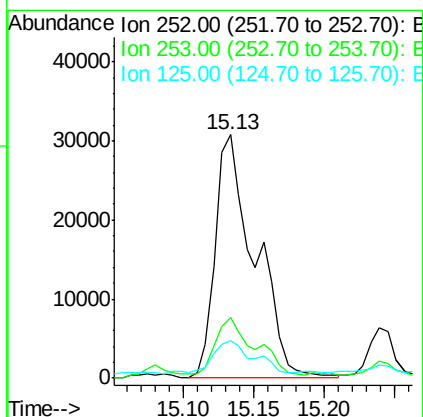
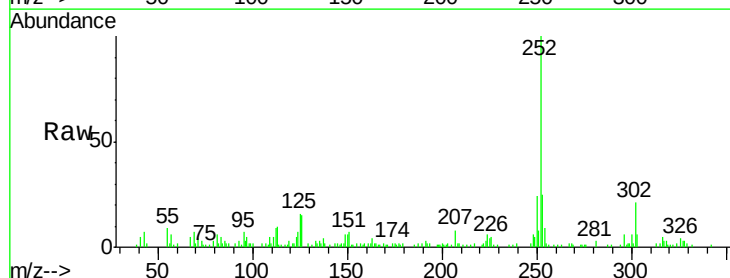
Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(0-5)

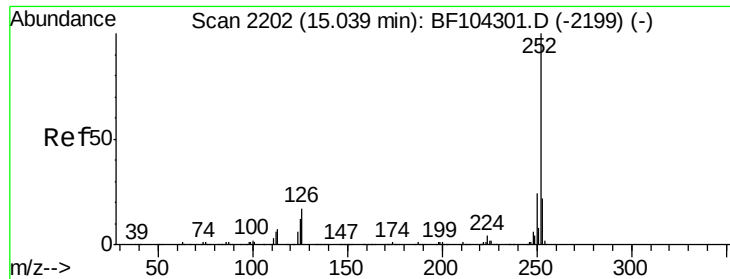
Tgt Ion:264 Resp: 213443
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.495 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.12 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Tgt Ion:252 Resp: 60601
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 15.7 9.0 13.6#

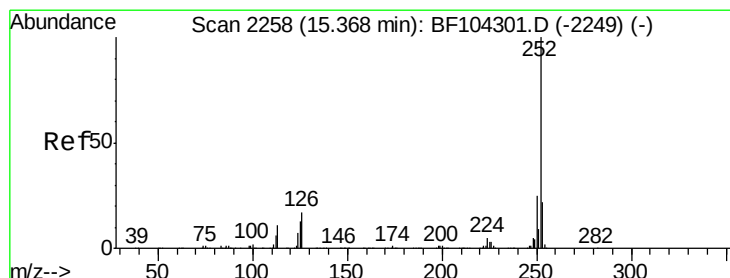
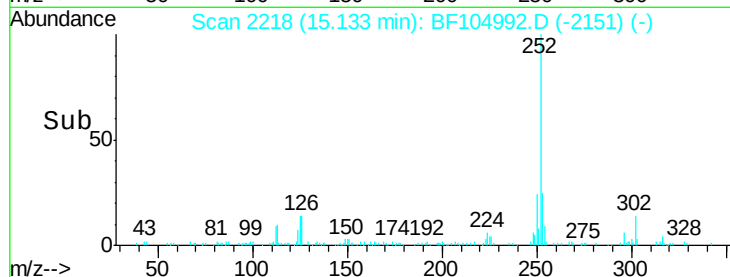
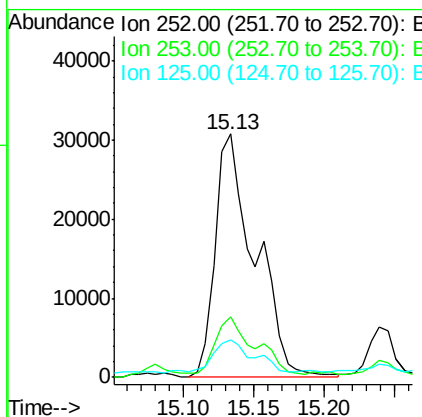
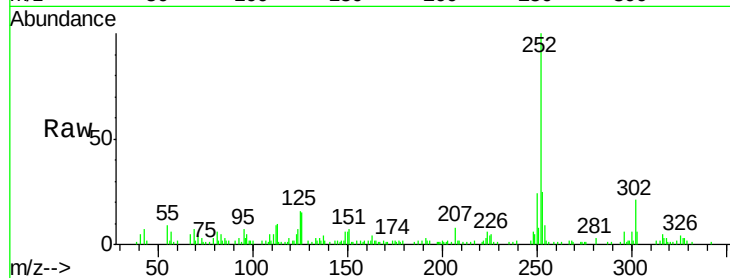




#88
Benzo(k)fluoranthene
Concen: 4.762 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.09 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

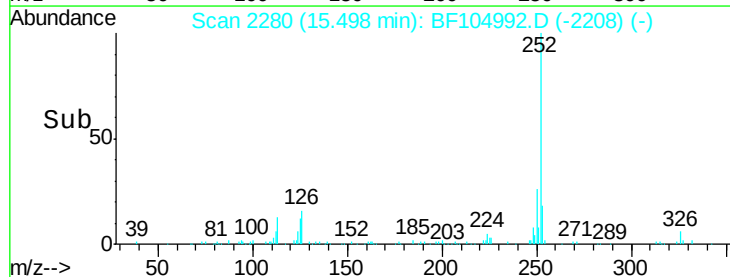
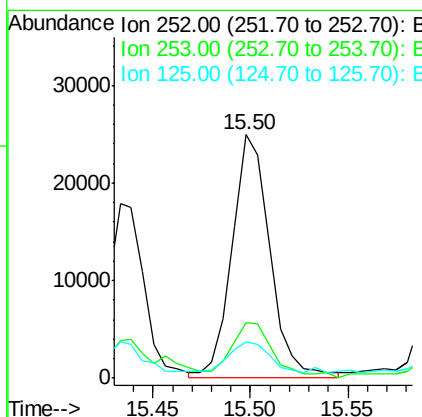
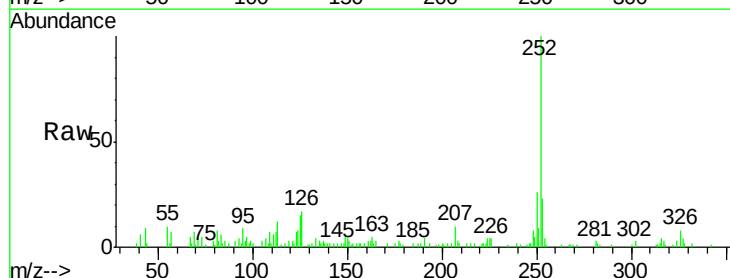
Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(0-5)

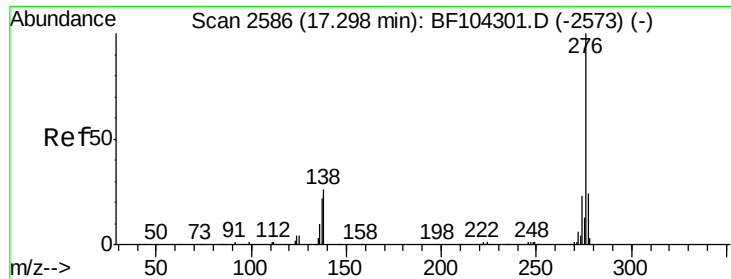
Tgt Ion:252 Resp: 60601
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 15.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.799 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.12 min
Lab File: BF104992.D
Acq: 1 May 2018 19:01

Tgt Ion:252 Resp: 33764
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 14.7 9.8 14.6#





#91
 Benzo(g,h,i)perylene
 Concen: 2.023 ng
 RT: 17.49 min Scan# 2619
 Delta R.T. 0.15 min
 Lab File: BF104992.D
 Acq: 1 May 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(0-5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	27.3	21.8	32.8

