

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016230.D
 Acq On : 07 Aug 2018 23:18
 Operator : SJ/JU
 Sample : J4335-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 01:40:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

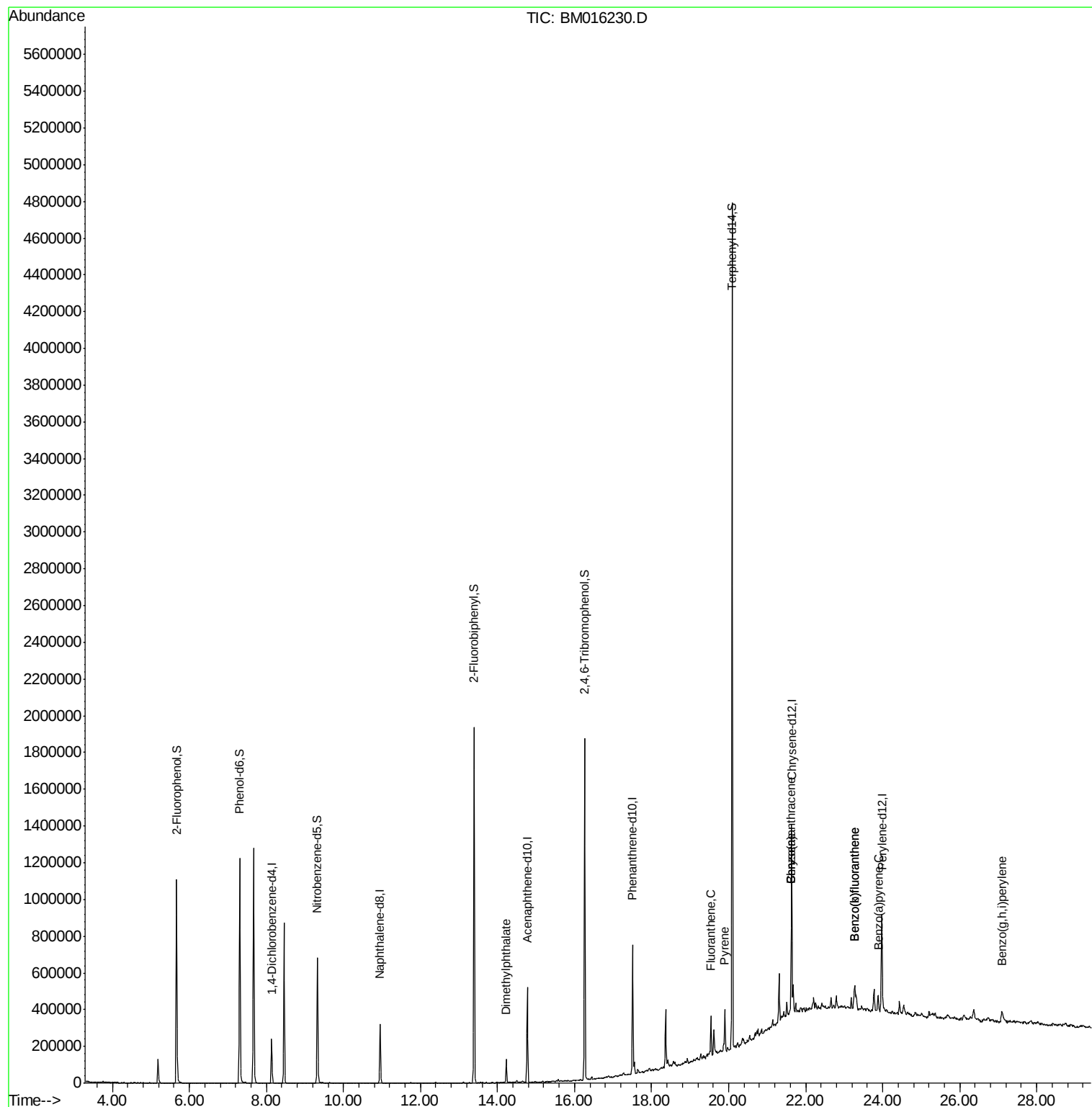
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	54133	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	227952	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	141789	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	329348	20.00	ng	0.00
75) Chrysene-d12	21.64	240	372706	20.00	ng	0.00
86) Perylene-d12	23.98	264	335629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	380080	116.63	ng	0.00
7) Phenol-d6	7.30	99	515723	121.18	ng	0.00
23) Nitrobenzene-d5	9.32	82	344709	70.33	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	208854	116.14	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	769031	65.99	ng	0.00
78) Terphenyl-d14	20.09	244	1531428	86.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.23	163	66365	5.348	ng	98
74) Fluoranthene	19.54	202	105252	5.117	ng	97
77) Pyrene	19.90	202	111983	5.014	ng	99
80) Benzo(a)anthracene	21.62	228	69242	3.016	ng	97
82) Chrysene	21.62	228	68270	3.100	ng	95
87) Benzo(b)fluoranthene	23.27	252	95831	4.849	ng	97
88) Benzo(k)fluoranthene	23.27	252	95066	4.747	ng	96
89) Benzo(a)pyrene	23.88	252	61151	3.219	ng	# 93
91) Benzo(g,h,i)perylene	27.10	276	42953	2.307	ng	95

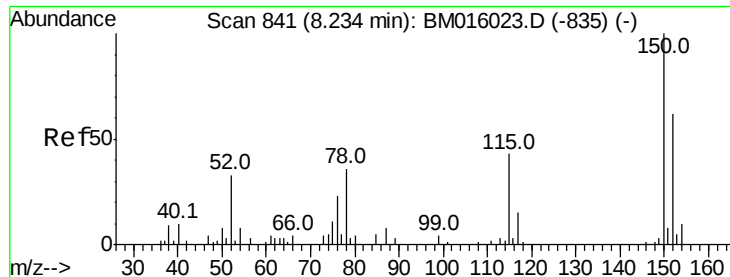
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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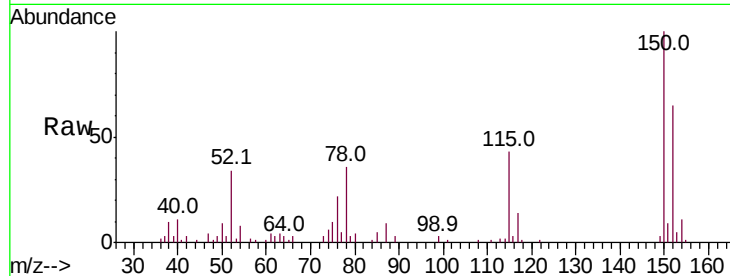


#1

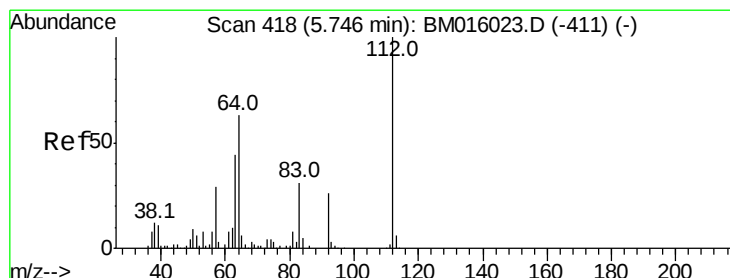
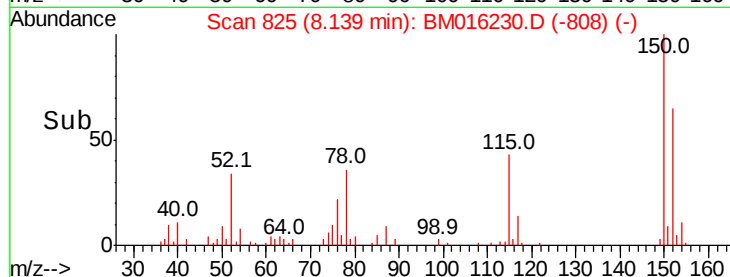
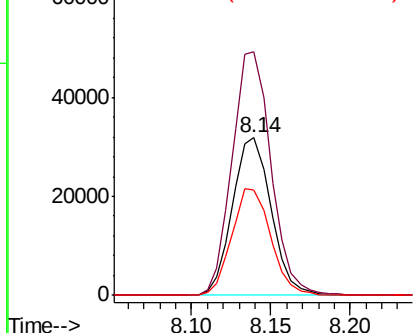
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 54133
Ion Ratio Lower Upper
152 100
150 154.5 119.5 179.3
115 66.8 43.0 64.4#



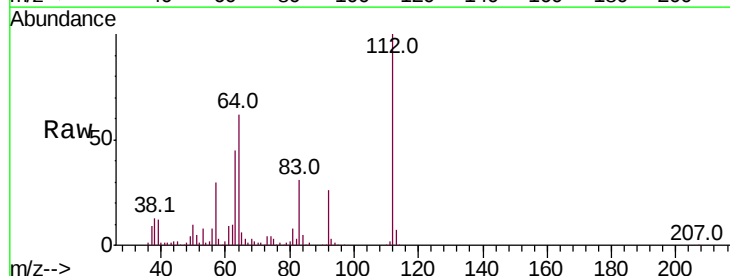
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



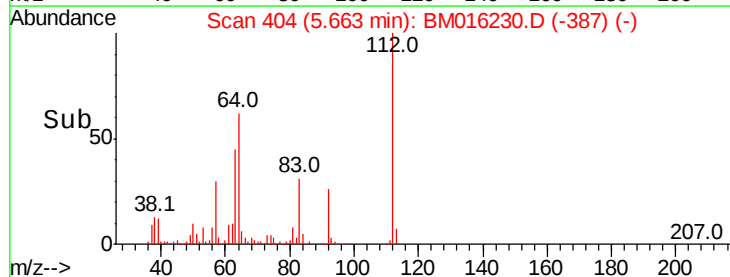
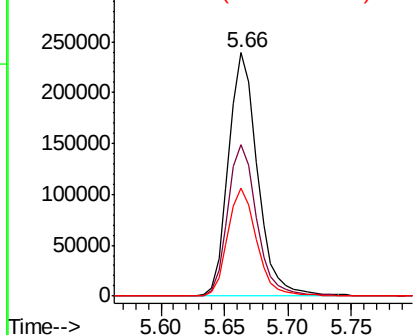
#5

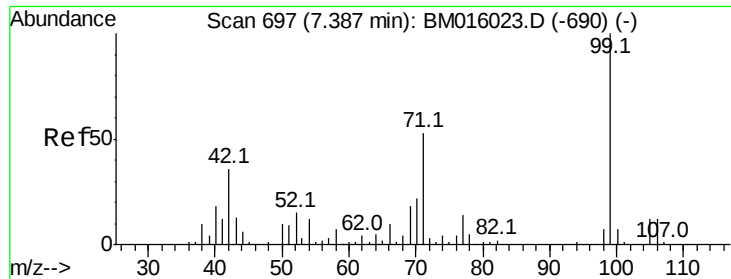
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion:112 Resp: 380080
Ion Ratio Lower Upper
112 100
64 62.2 38.6 57.8#
63 44.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampleId :

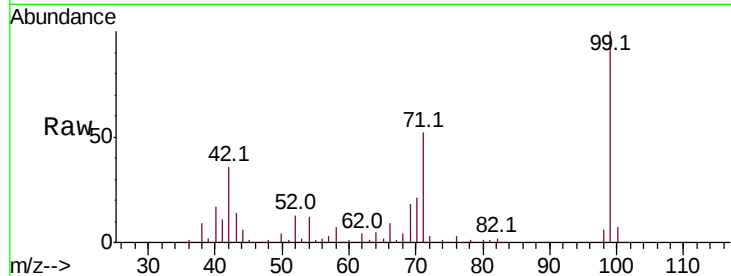
Tot Ion: 99 Resp: 515723

Ion Ratio Lower Upper

99 100

42 35.9 11.0 16.4#

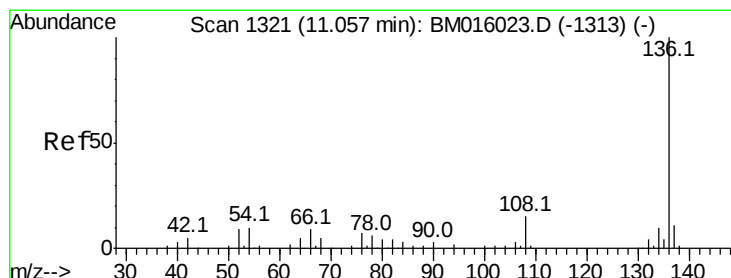
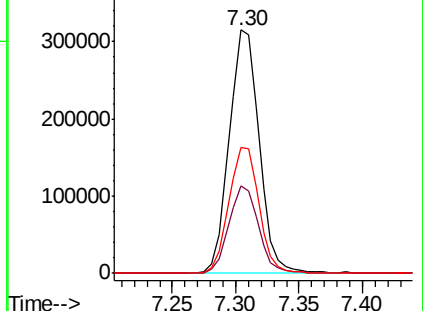
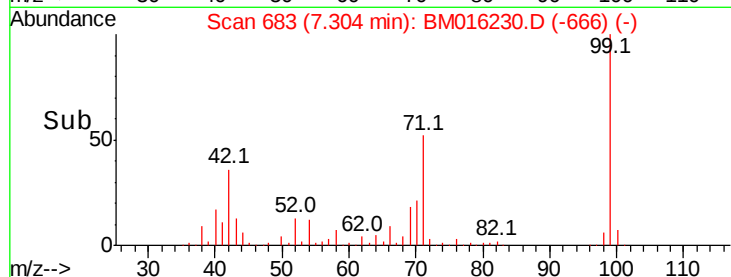
71 51.8 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016230.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016230.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016230.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Tgt Ion: 136 Resp: 227952

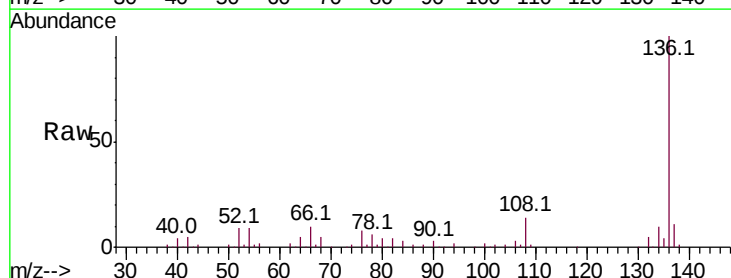
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 4.6 6.8#

68 4.6 3.7 5.5

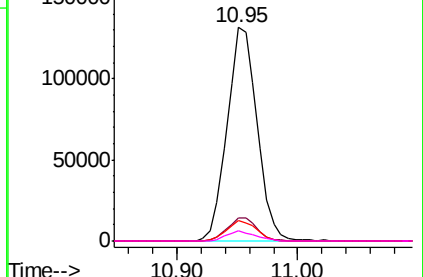
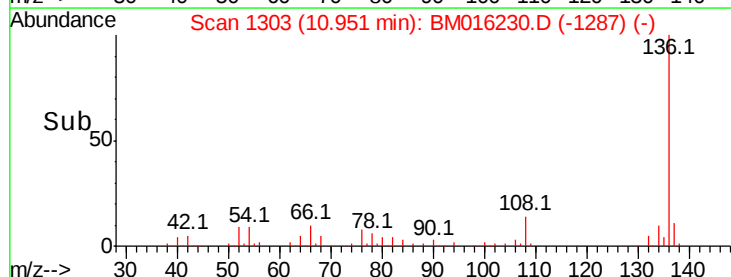


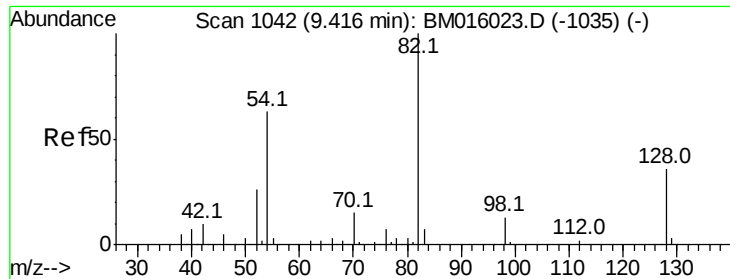
Abundance Ion 136.00 (135.70 to 136.70): BM016230.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016230.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016230.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016230.D (-1287) (-)

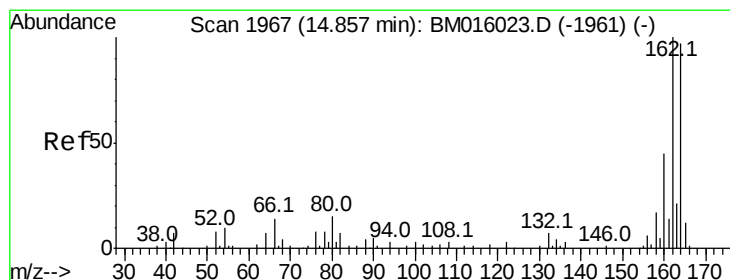
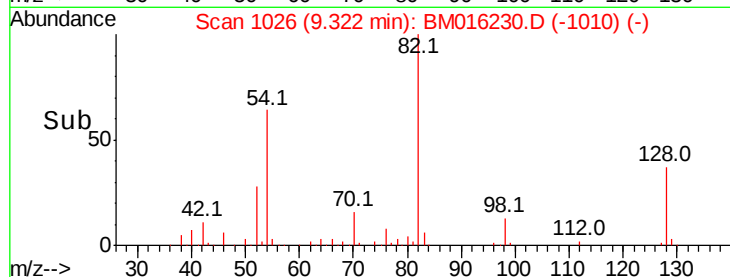
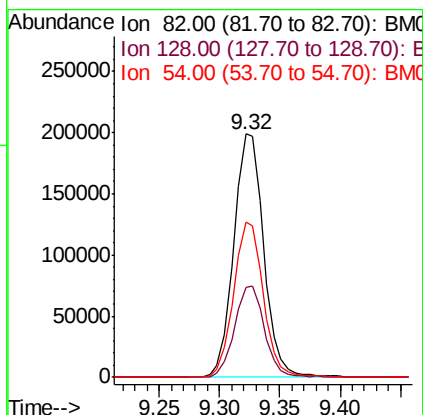
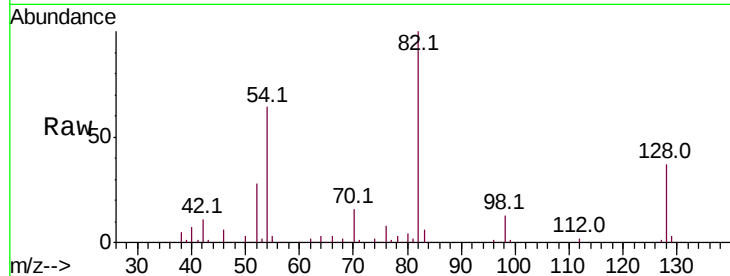




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BM016230.D
 Acq: 07 Aug 2018 23:18

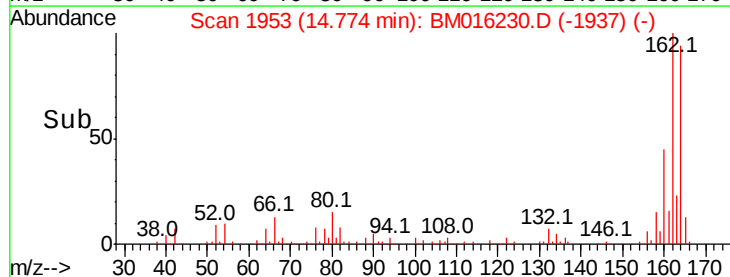
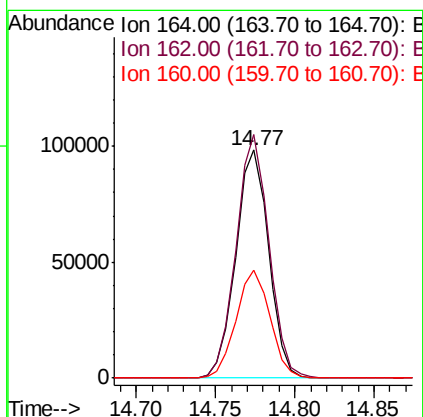
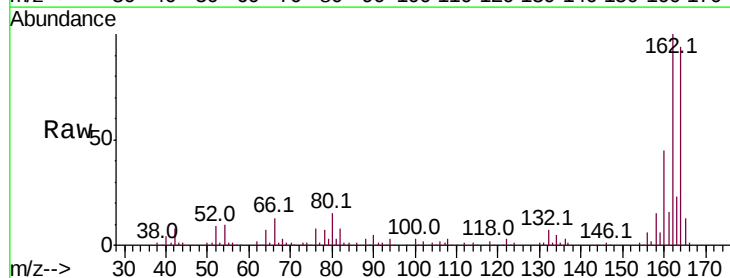
Instrument :
 BNA_M
 ClientSampled :

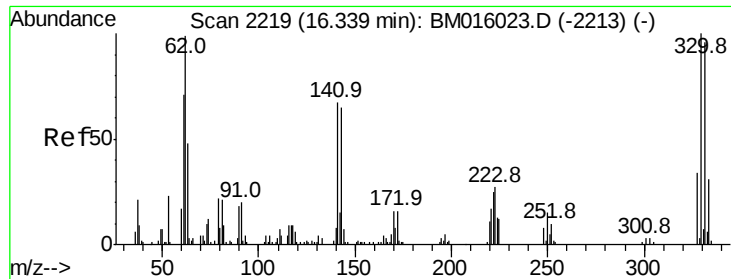
Tot Ion: 82 Resp: 344709
 Ion Ratio Lower Upper
 82 100
 128 36.7 32.8 49.2
 54 63.8 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM016230.D
 Acq: 07 Aug 2018 23:18

Tgt Ion: 164 Resp: 141789
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.4 123.6
 160 47.6 35.8 53.6

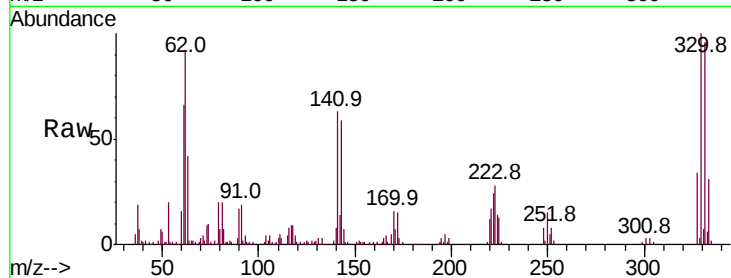




#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016230.D
 Acq: 07 Aug 2018 23:18

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	67.0	0.0	0.0#

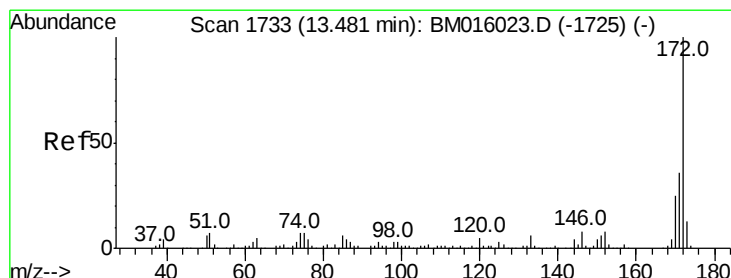
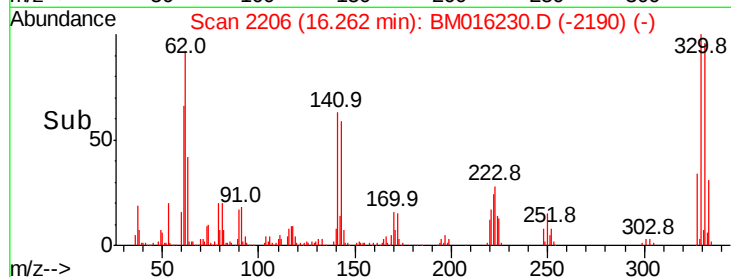
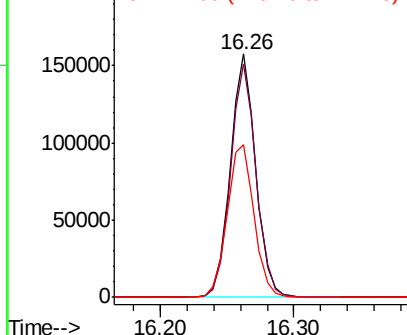


Abundance

Ion 329.80 (329.50 to 330.50): E

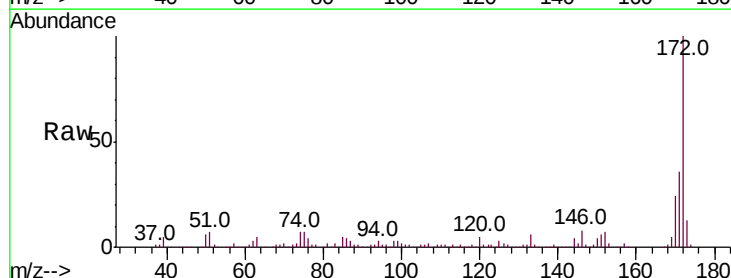
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016230.D
 Acq: 07 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.5	42.7
170	23.9	18.8	28.2

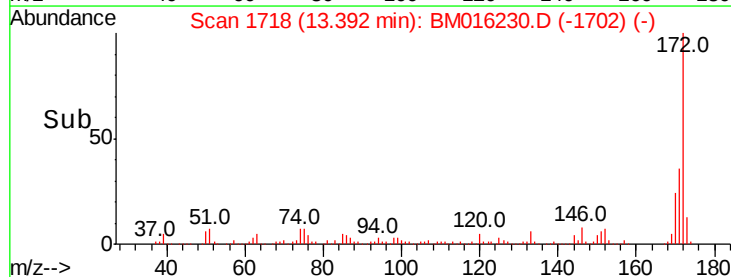
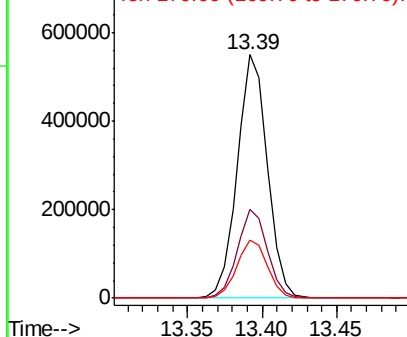


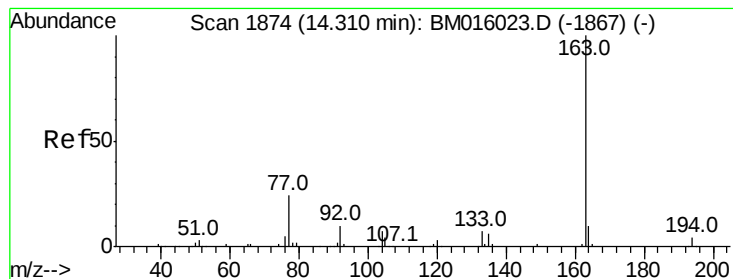
Abundance

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: 5.348 ng

RT: 14.23 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampleId :

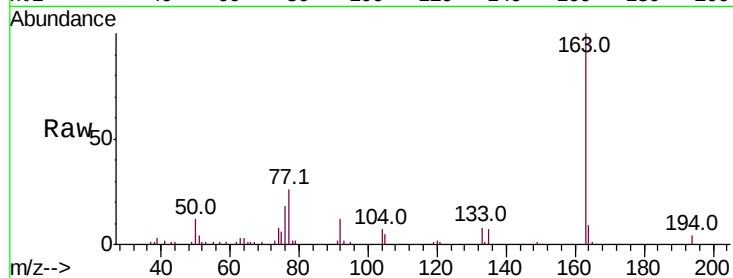
Tot Ion:163 Resp: 66365

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

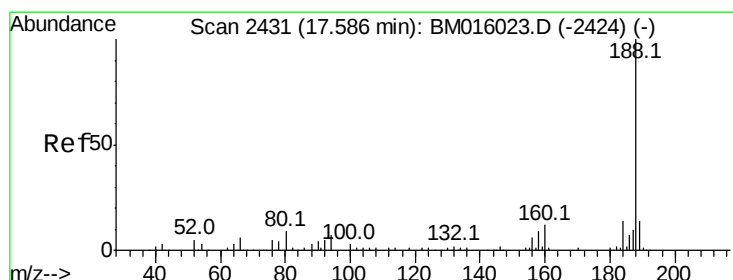
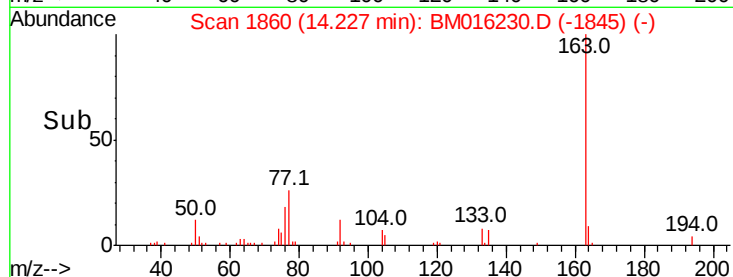
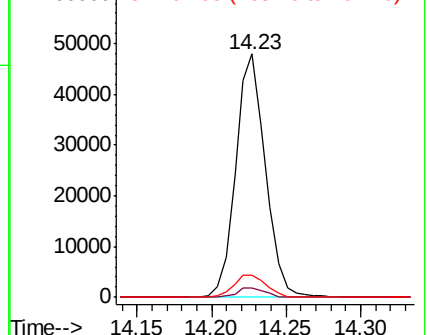
164 9.3 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

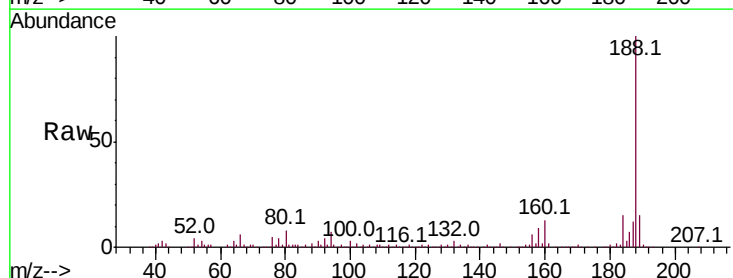
Tgt Ion:188 Resp: 329348

Ion Ratio Lower Upper

188 100

94 6.8 8.7 13.1#

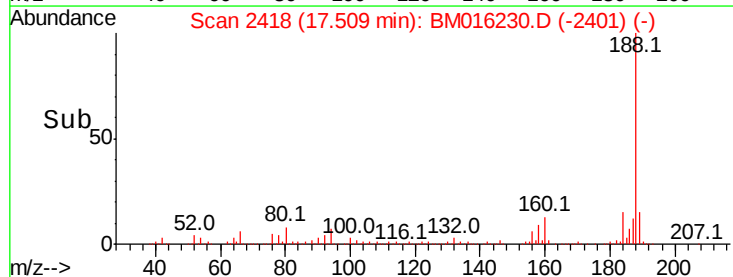
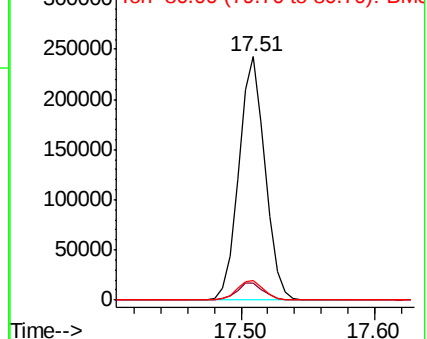
80 7.9 9.3 13.9#

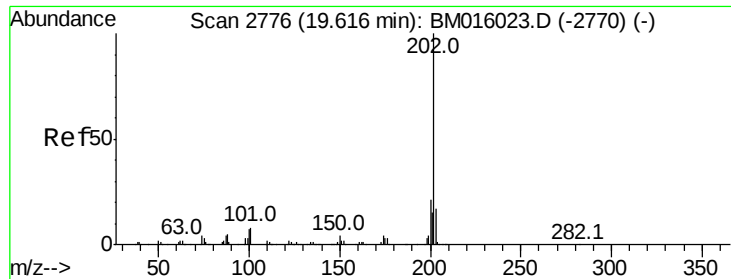


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#74

Fluoranthene

Concen: 5.117 ng

RT: 19.54 min Scan# 2764

Delta R.T. -0.00 min

Lab File: BM016230.D

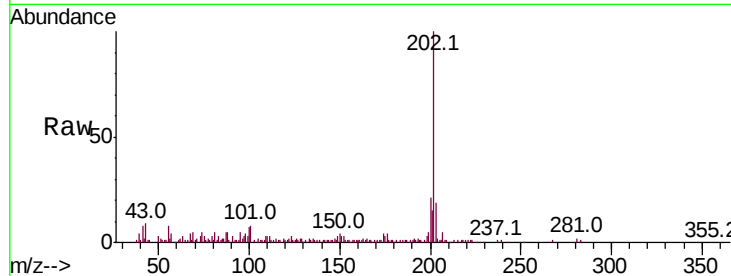
Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampleId :

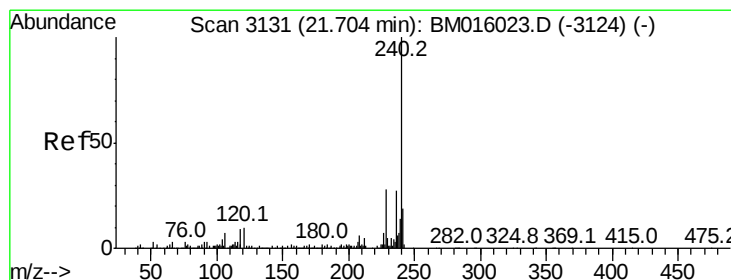
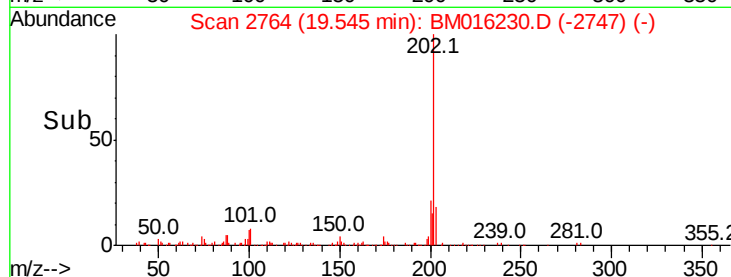
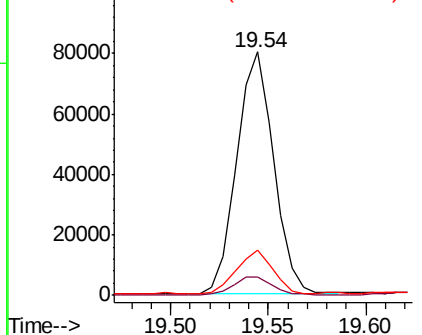
Tot Ion:	202	Resp:	105252
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.7
203	18.6	0.0	37.2



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

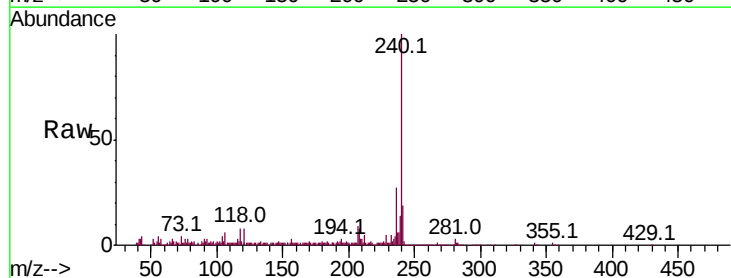
RT: 21.64 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

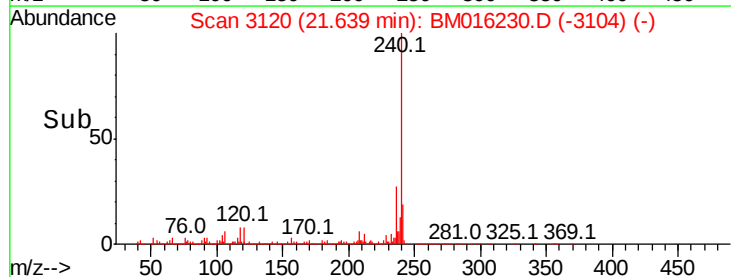
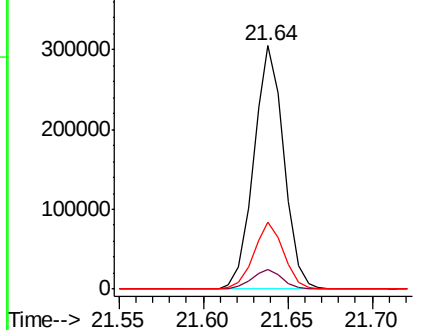
Tgt Ion:	240	Resp:	372706
Ion	Ratio	Lower	Upper
240	100		
120	7.8	8.2	12.2#
236	27.4	20.0	30.0

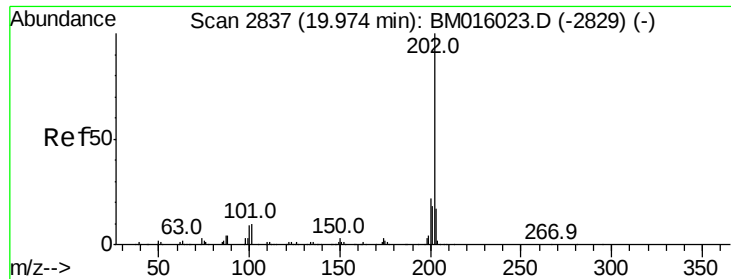


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

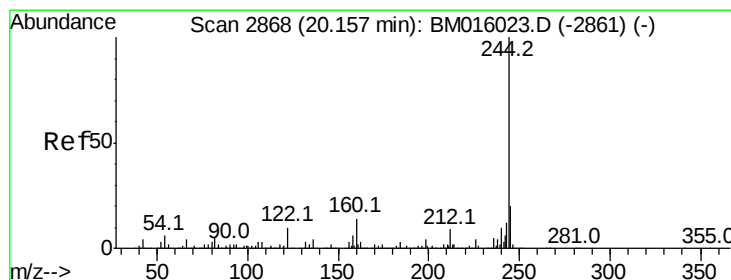
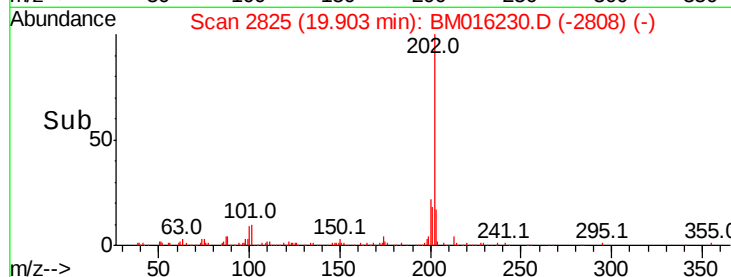
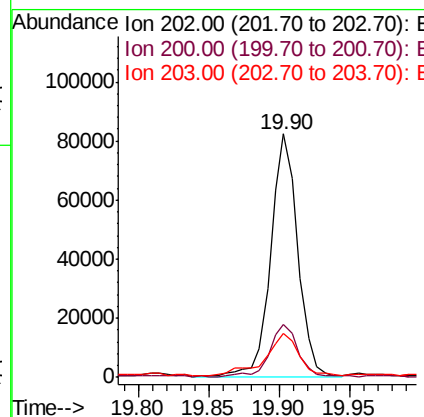
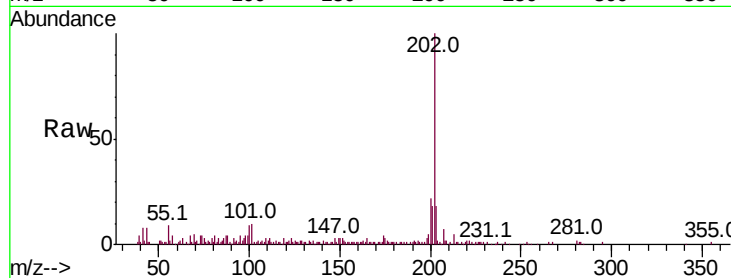




#77
Pvrene
Concen: 5.014 ng
RT: 19.90 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

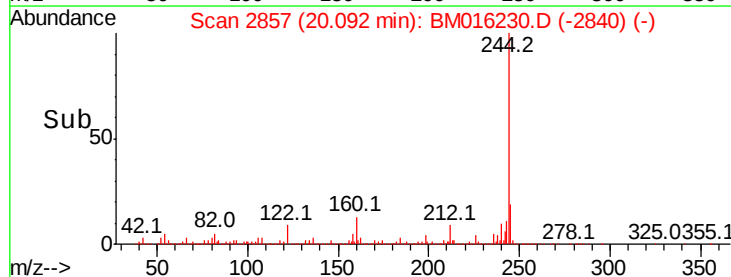
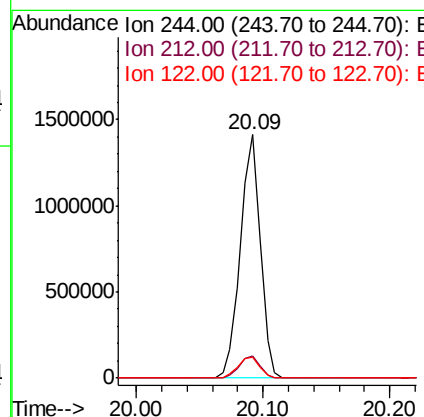
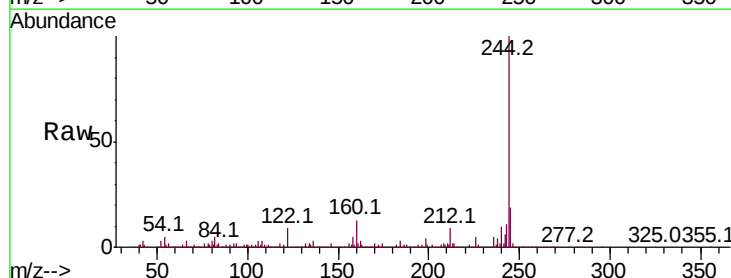
Instrument :
BNA_M
ClientSampleId :

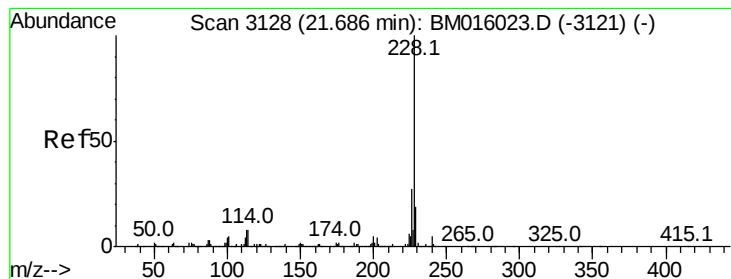
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.1	14.1	21.1



#78
Terphenyl-d14
Concen: 5.014 ng
RT: 20.09 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM016230.D
Acq: 07 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	4.9	7.3#
122	8.8	6.2	9.4





#80

Benzo(a)anthracene

Concen: 3.016 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampleId :

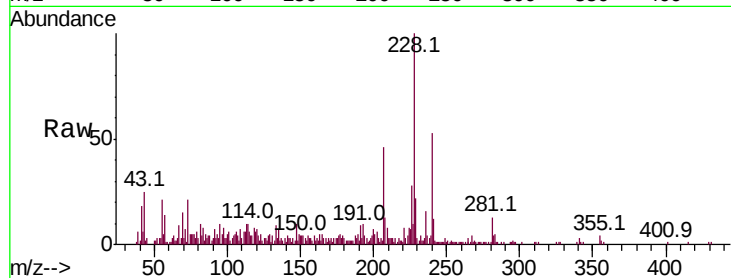
Tot Ion:228 Resp: 69242

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

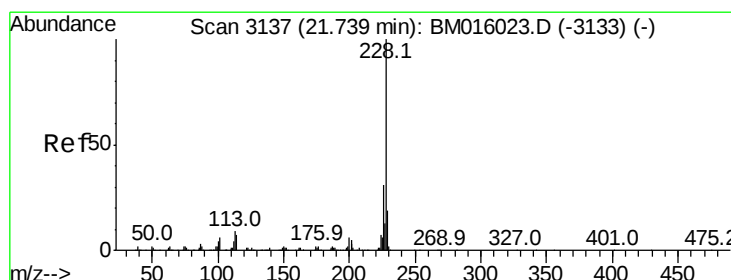
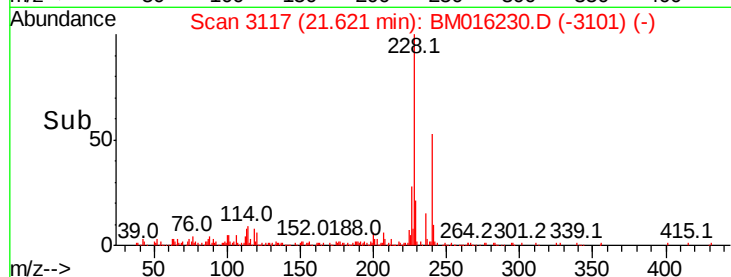
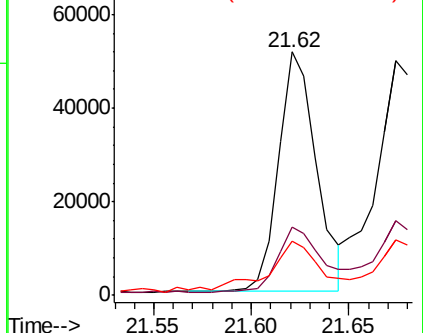
229 22.4 16.0 24.0



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



#82

Chrysene

Concen: 3.100 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.06 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

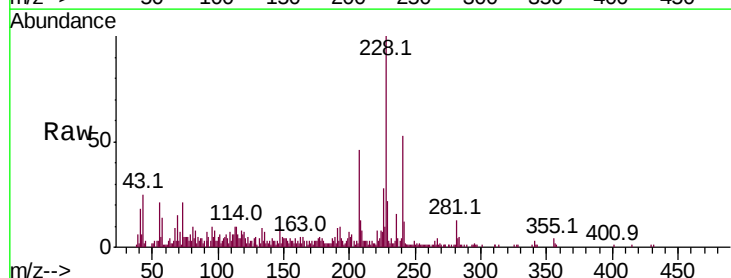
Tgt Ion:228 Resp: 68270

Ion Ratio Lower Upper

228 100

226 28.2 24.1 36.1

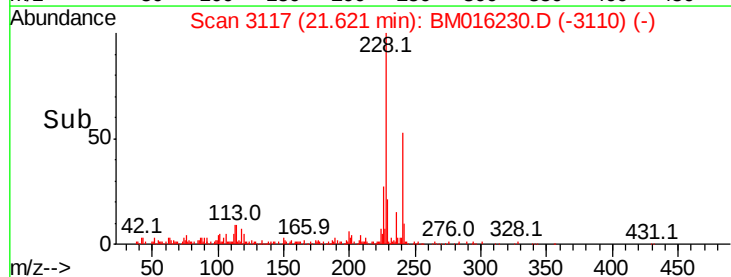
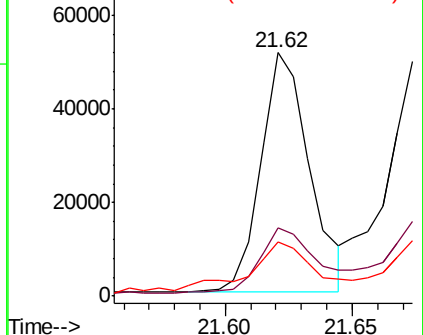
229 22.4 15.5 23.3

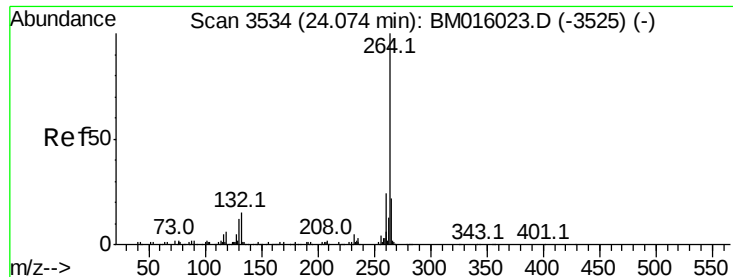


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.98 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampled :

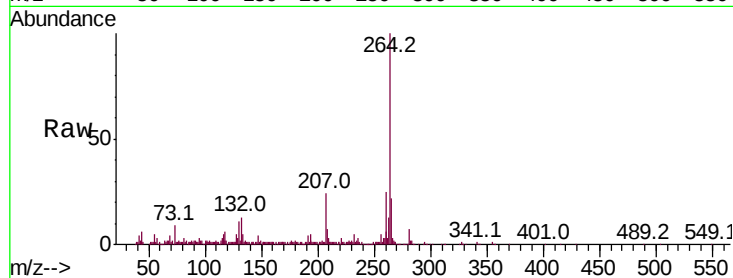
Tot Ion:264 Resp: 335629

Ion Ratio Lower Upper

264 100

260 25.0 18.6 27.8

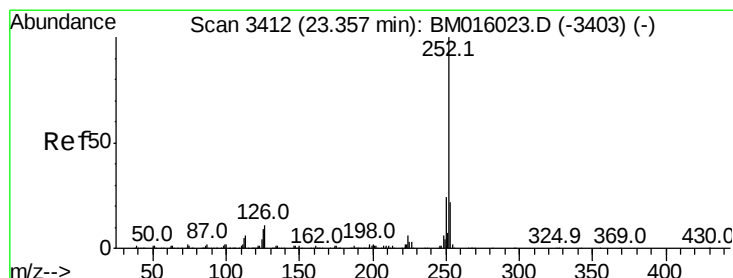
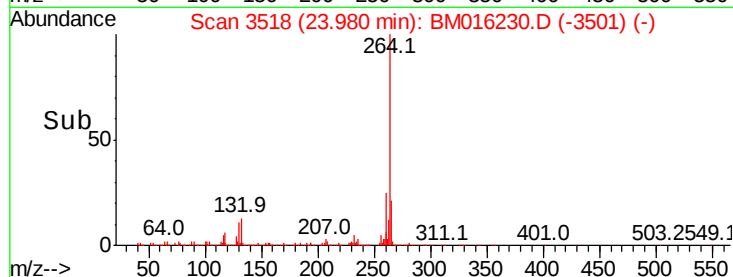
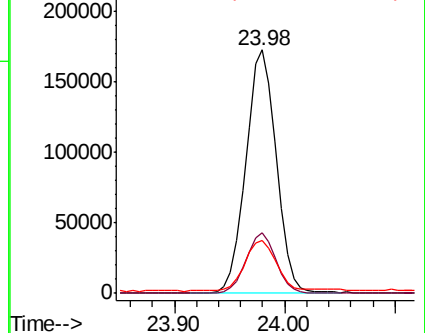
265 22.0 17.3 25.9



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: 4.849 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.00 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

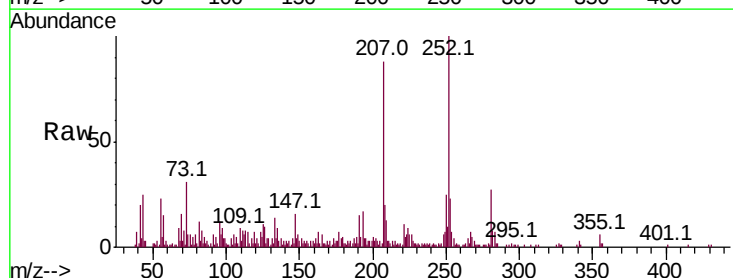
Tgt Ion:252 Resp: 95831

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

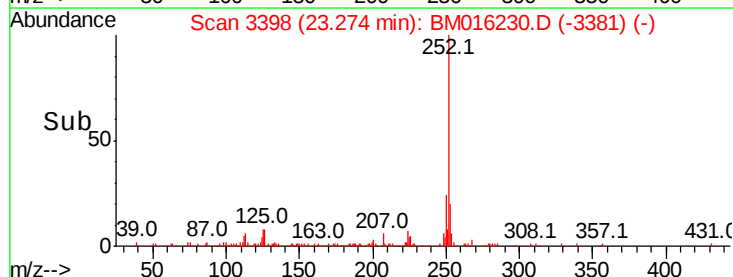
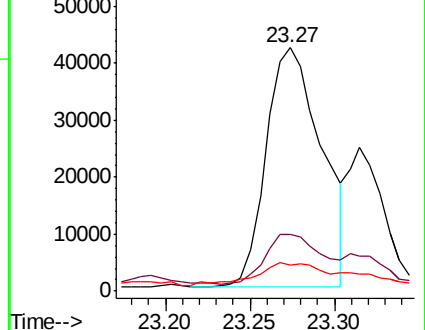
125 10.8 9.9 14.9

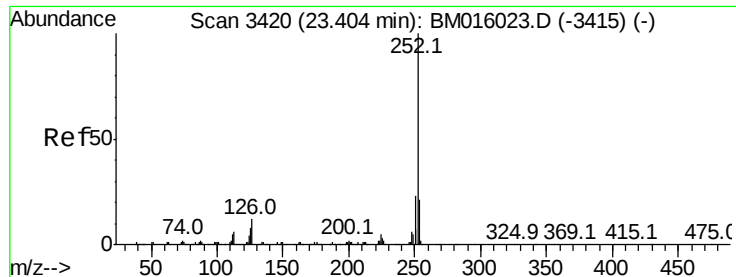


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.747 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.05 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

Instrument :

BNA_M

ClientSampled :

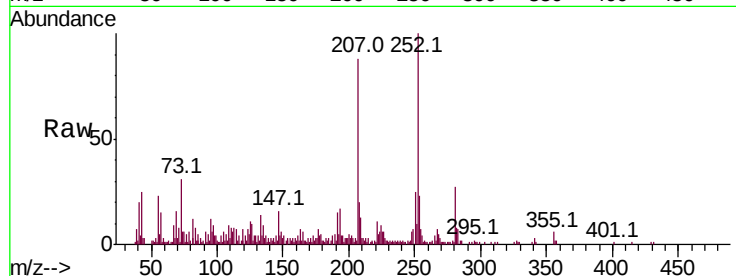
Tot Ion:252 Resp: 95066

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

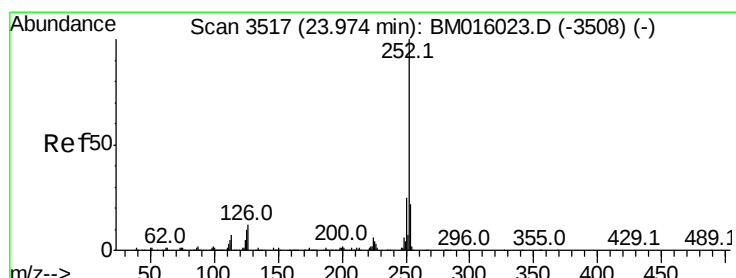
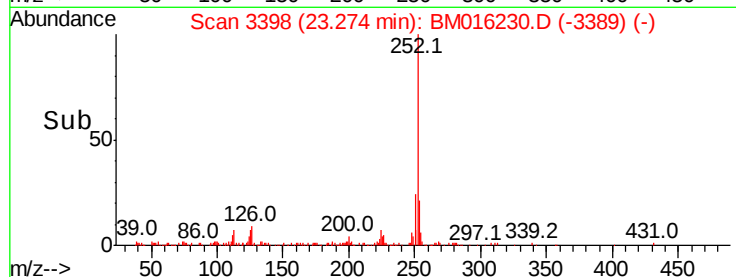
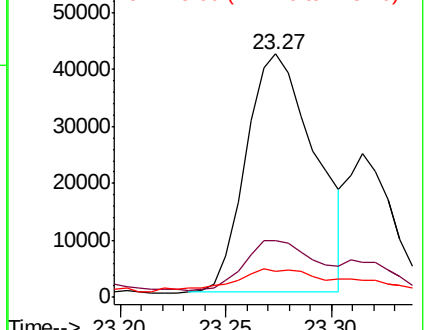
125 10.8 8.1 12.1



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: 3.219 ng

RT: 23.88 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BM016230.D

Acq: 07 Aug 2018 23:18

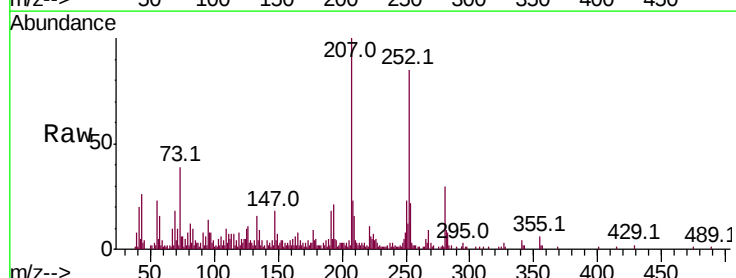
Tgt Ion:252 Resp: 61151

Ion Ratio Lower Upper

252 100

253 25.4 17.6 26.4

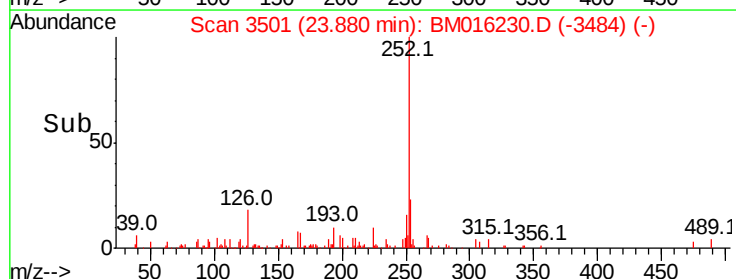
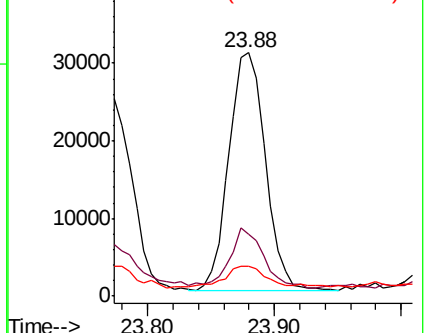
125 12.3 7.4 11.2#

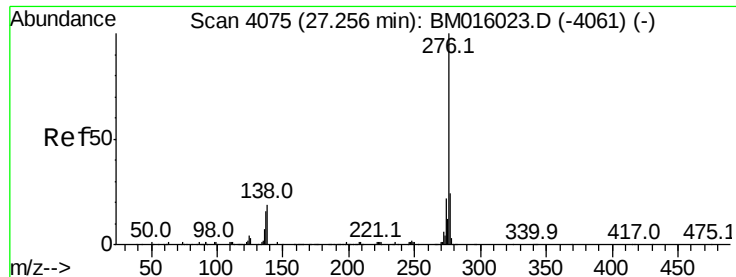


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.307 ng
 RT: 27.10 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: BM016230.D
 Acq: 07 Aug 2018 23:18

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	26.2	19.0	28.6

