

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016248.D
 Acq On : 08 Aug 2018 14:00
 Operator : SJ/JU
 Sample : J4313-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 16:25:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 16:23:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	37648	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	148091	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75807	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	145613	20.00	ng	0.00
75) Chrysene-d12	21.63	240	145915	20.00	ng	0.00
86) Perylene-d12	23.97	264	151872	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	181001	79.86	ng	0.00
7) Phenol-d6	7.30	99	225021	76.03	ng	0.00
23) Nitrobenzene-d5	9.32	82	168965	53.07	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	61290	63.75	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	319386	51.26	ng	0.00
78) Terphenyl-d14	20.09	244	392502	56.31	ng	0.00

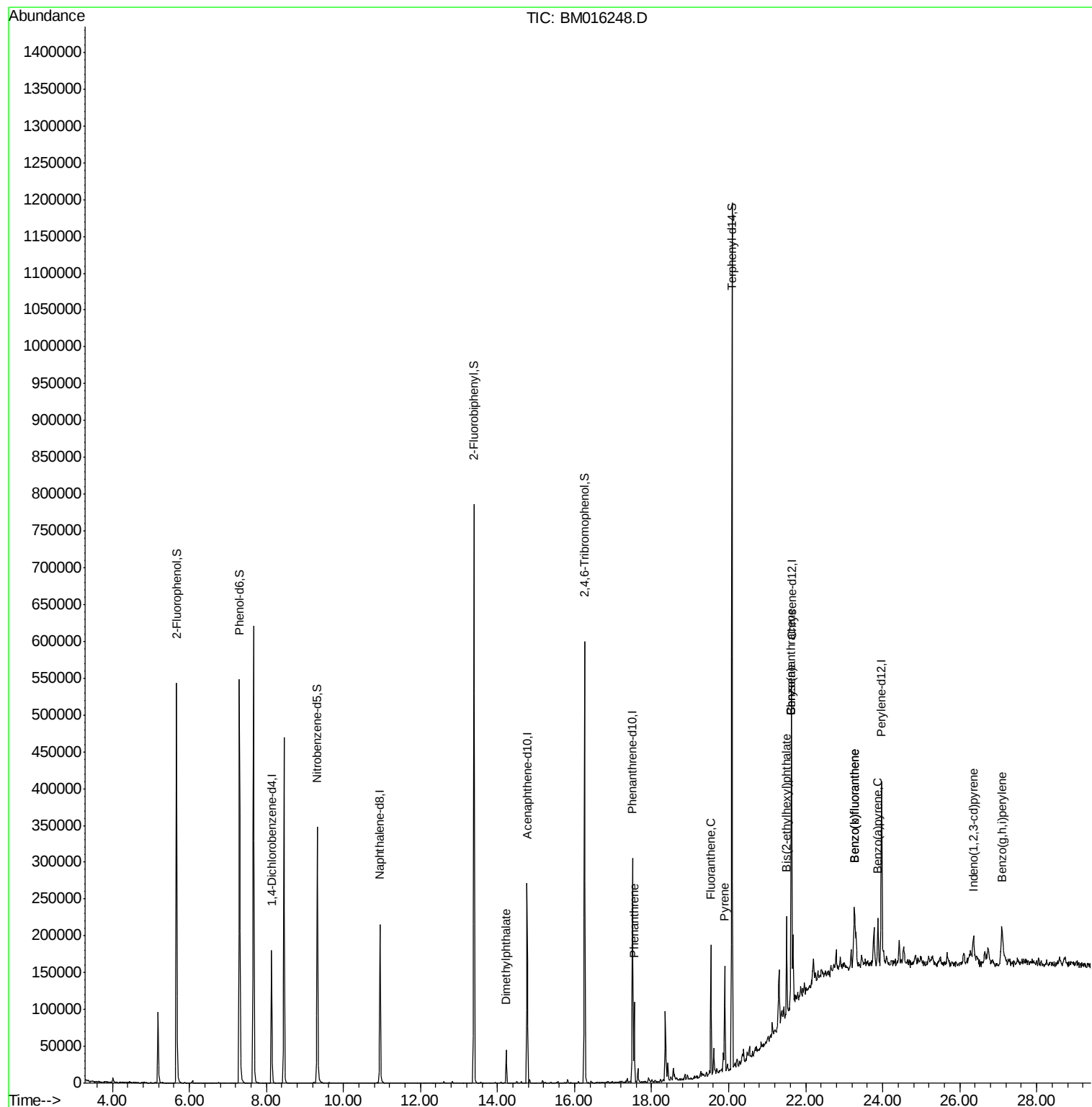
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.23	163	25781	3.886	ng	# 99
70) Phenanthrene	17.55	178	54414	6.675	ng	97
74) Fluoranthene	19.54	202	90942	10.001	ng	96
77) Pyrene	19.90	202	77298	8.840	ng	99
80) Benzo(a)anthracene	21.62	228	49958	5.559	ng	99
82) Chrysene	21.62	228	48360	5.610	ng	97
83) Bis(2-ethylhexyl)phthalate	21.51	149	36447	5.661	ng	# 90
85) Indeno(1,2,3-cd)pyrene	26.37	276	30069	2.939	ng	97
87) Benzo(b)fluoranthene	23.27	252	55345	6.189	ng	98
88) Benzo(k)fluoranthene	23.27	252	55345	6.107	ng	96
89) Benzo(a)pyrene	23.87	252	40535	4.715	ng	99
91) Benzo(a,h,i)perylene	27.10	276	27867	3.308	ng	# 83

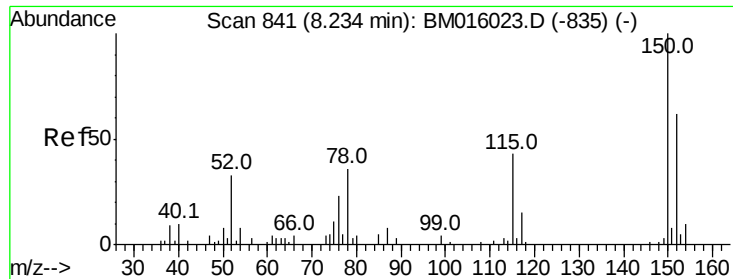
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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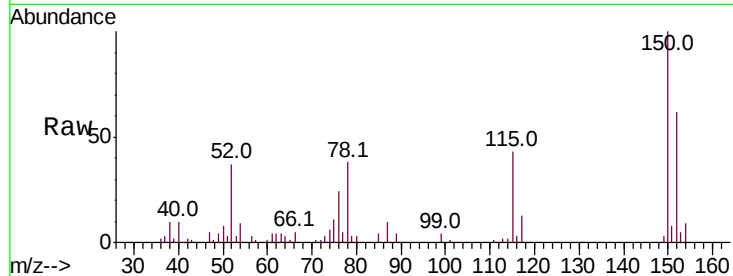


#1

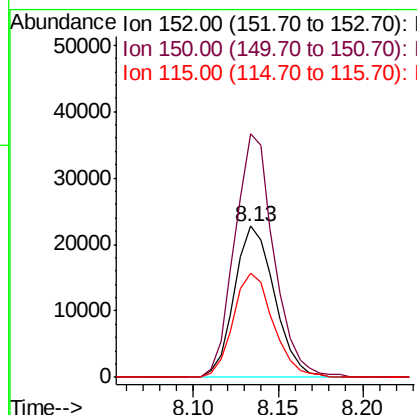
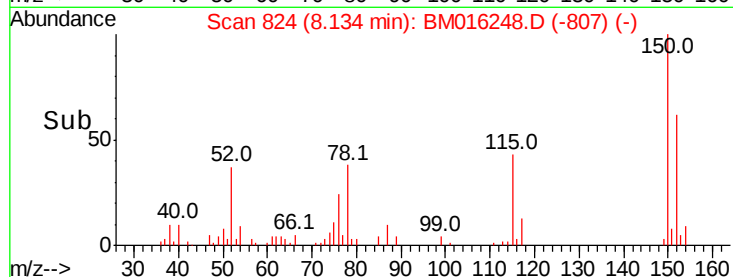
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:152 Resp: 37648
 Ion Ratio Lower Upper
 152 100
 150 161.4 119.5 179.3
 115 68.9 43.0 64.4#



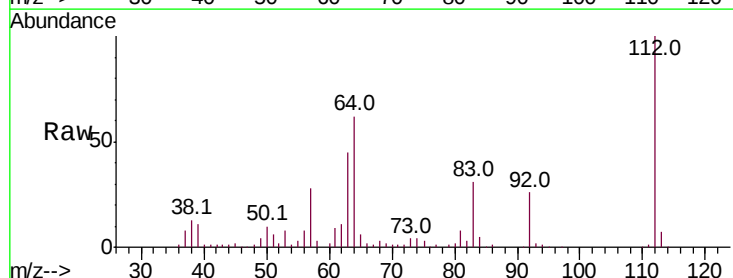
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



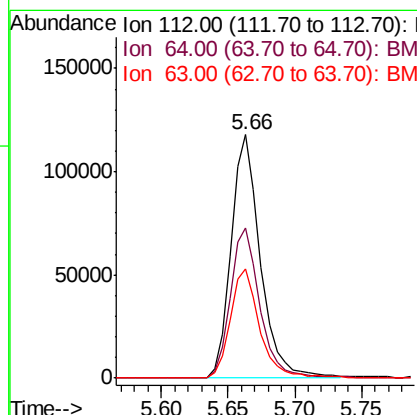
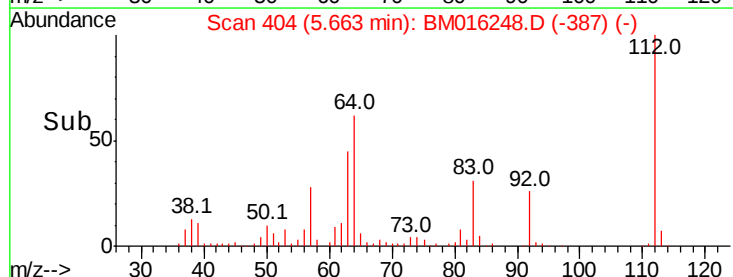
#5

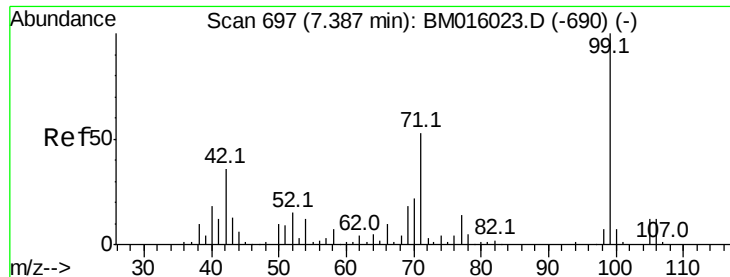
2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Tgt Ion:112 Resp: 181001
 Ion Ratio Lower Upper
 112 100
 64 61.6 38.6 57.8#
 63 44.8 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# 682

Delta R.T. -0.01 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampleId :

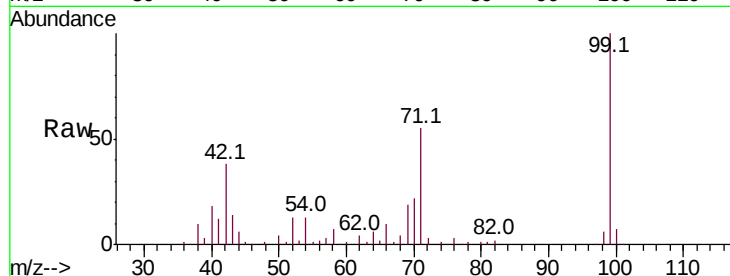
Tot Ion: 99 Resp: 225021

Ion Ratio Lower Upper

99 100

42 37.9 11.0 16.4#

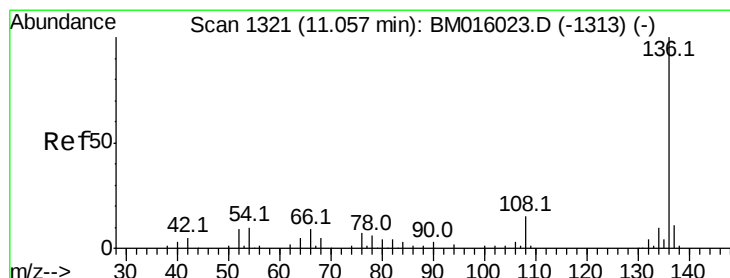
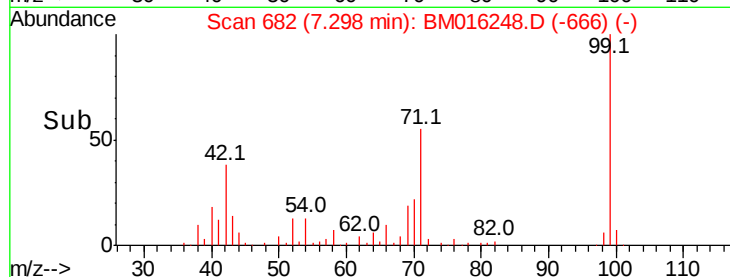
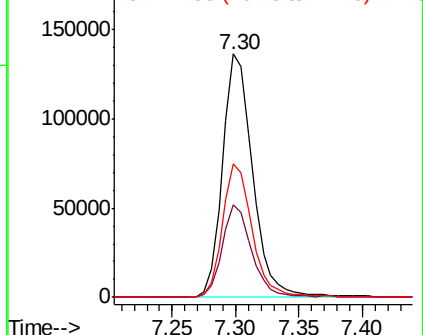
71 54.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016248.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016248.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016248.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Tgt Ion: 136 Resp: 148091

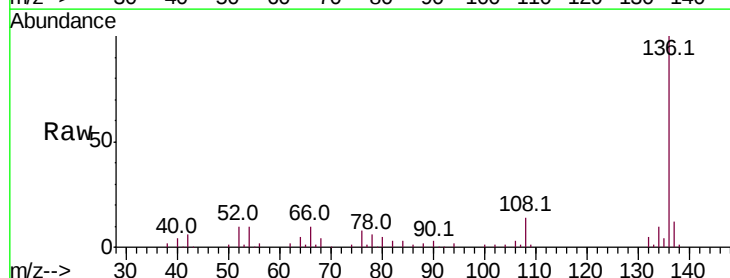
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 9.9 4.6 6.8#

68 4.2 3.7 5.5

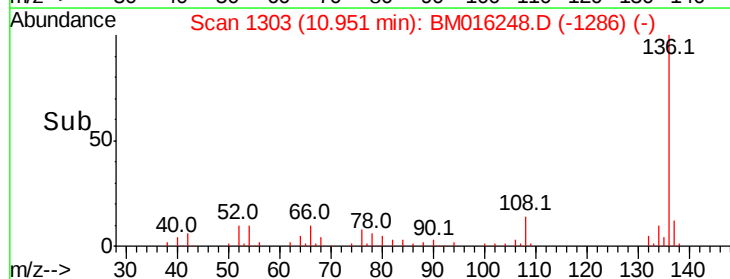
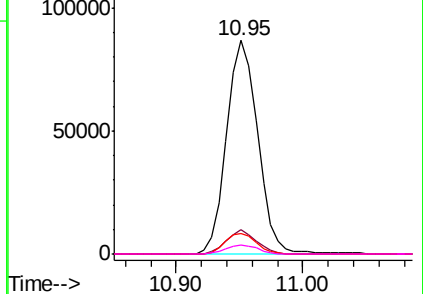


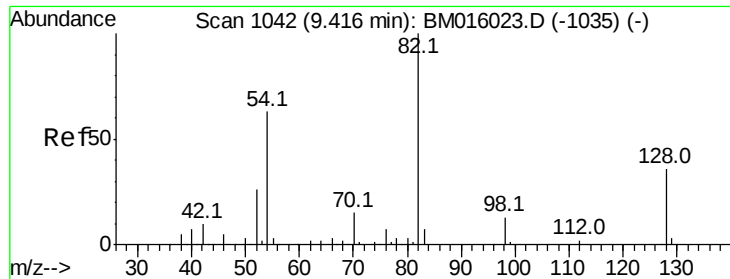
Abundance Ion 136.00 (135.70 to 136.70): BM016248.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016248.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016248.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016248.D (-1286) (-)

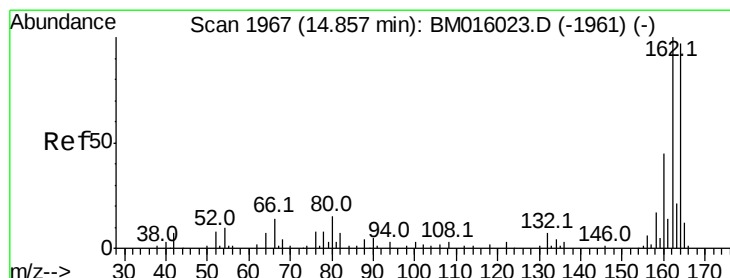
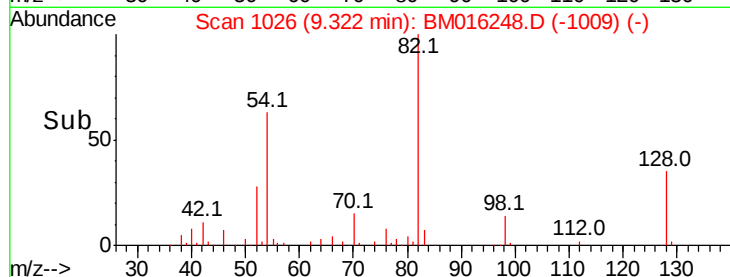
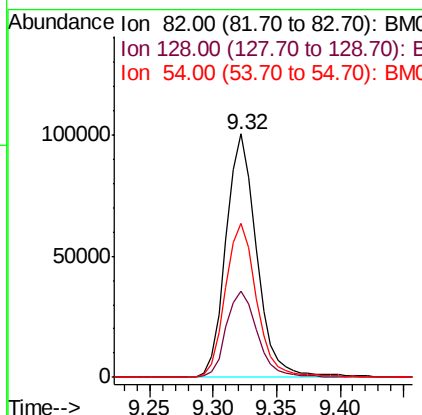
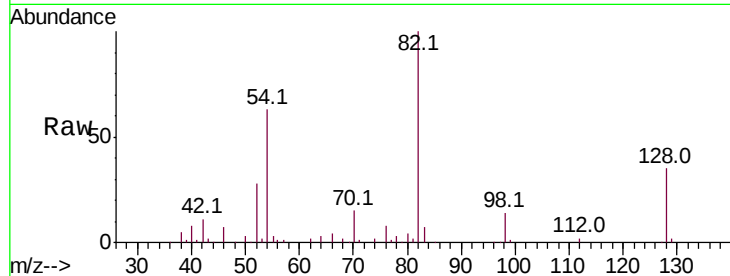




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

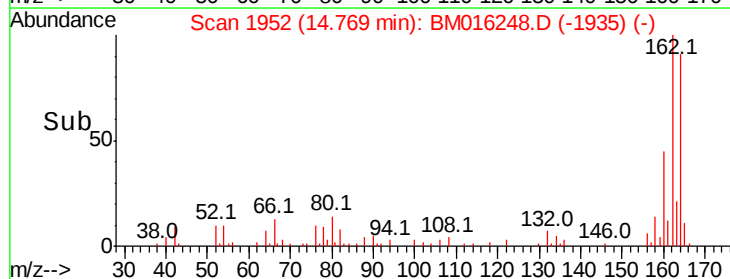
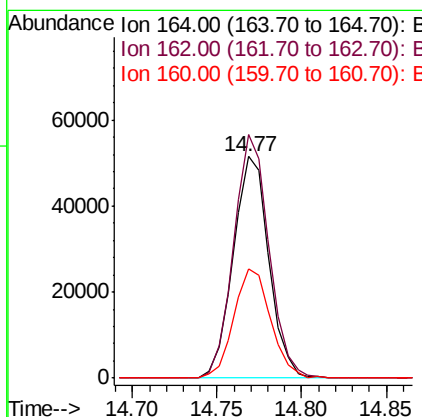
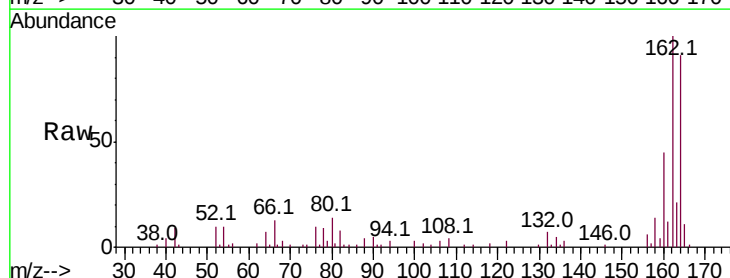
Instrument :
 BNA_M
 ClientSampled :

Tot Ion	82	Resp	168965
Ion Ratio	Lower	Upper	
82	100		
128	35.5	32.8	49.2
54	63.5	40.6	60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Tgt Ion	164	Resp	75807
Ion Ratio	Lower	Upper	
164	100		
162	109.8	82.4	123.6
160	49.4	35.8	53.6

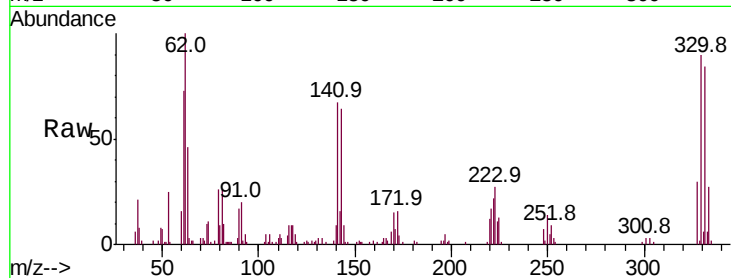




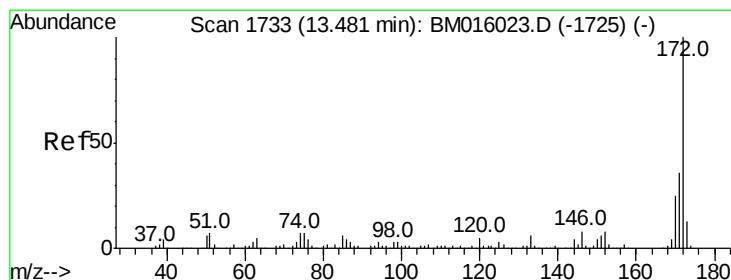
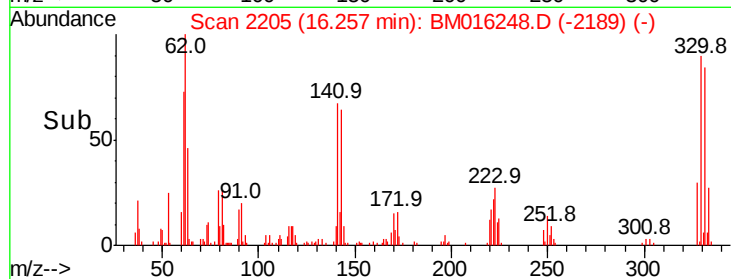
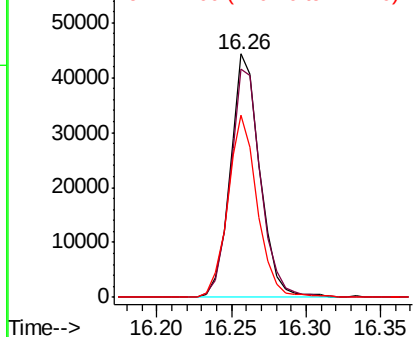
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	74.8	0.0	0.0#

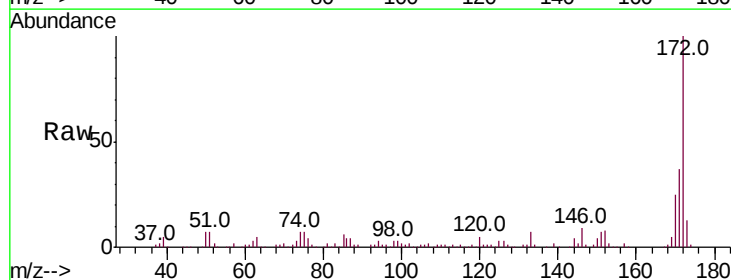


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

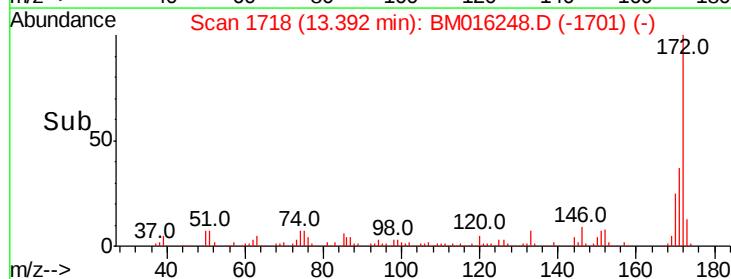
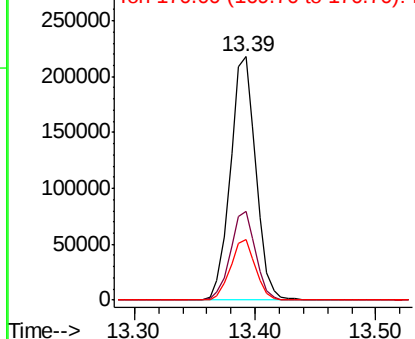


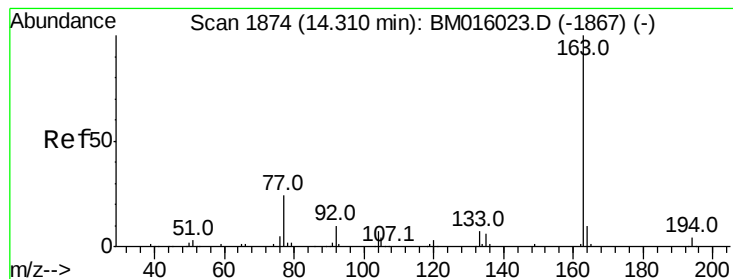
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.5	42.7
170	24.9	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: 3.886 ng

RT: 14.23 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampleId :

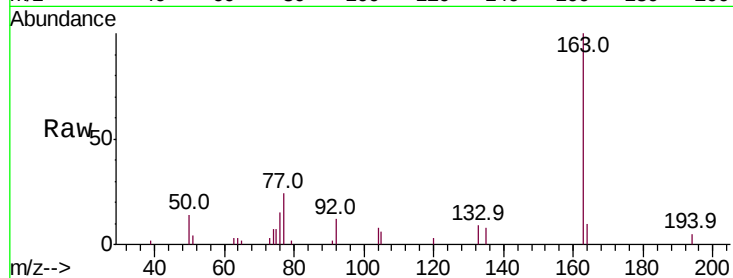
Tot Ion:163 Resp: 25781

Ion Ratio Lower Upper

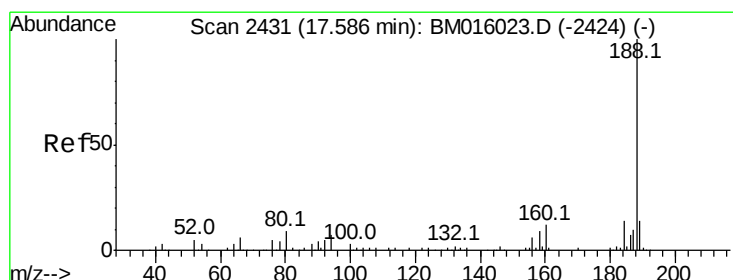
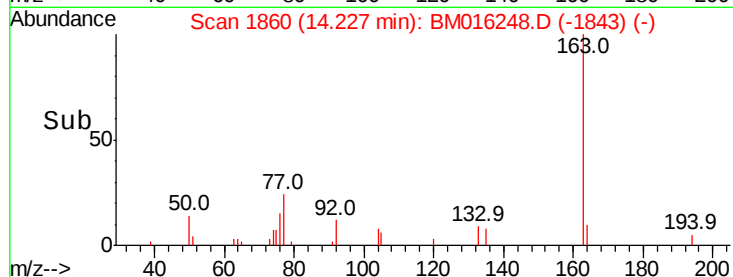
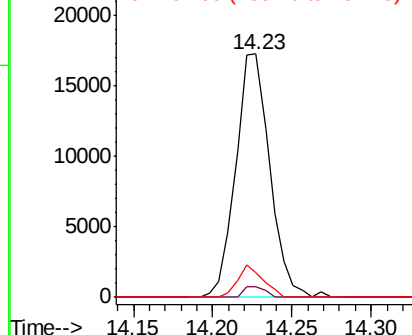
163 100

194 4.5 2.7 4.1#

164 10.3 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: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

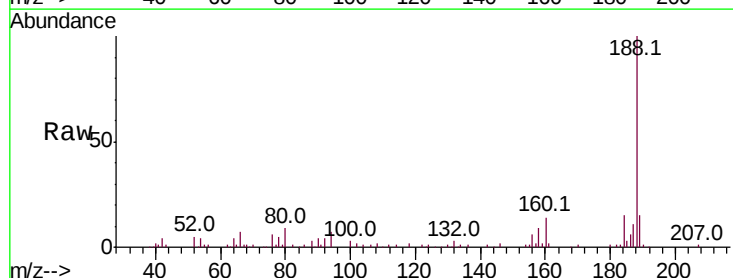
Tgt Ion:188 Resp: 145613

Ion Ratio Lower Upper

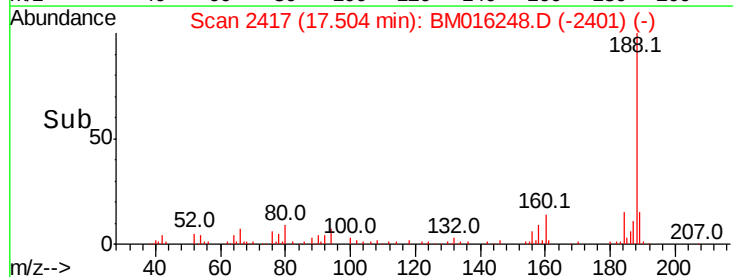
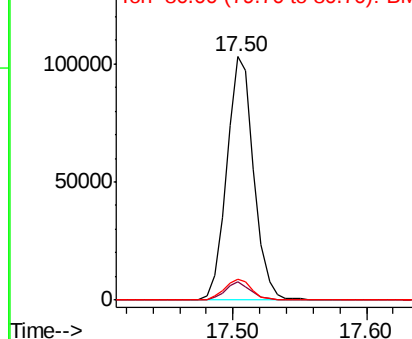
188 100

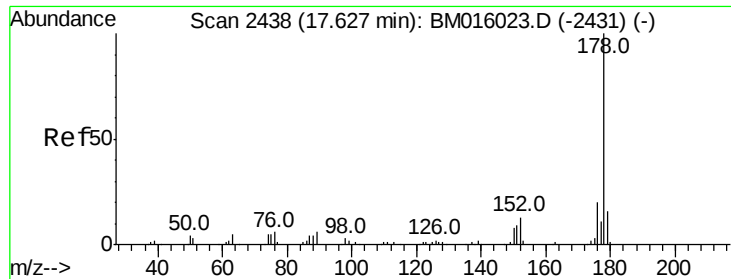
94 7.3 8.7 13.1#

80 8.7 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





#70

Phenanthrene

Concen: 6.675 ng

RT: 17.55 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampled :

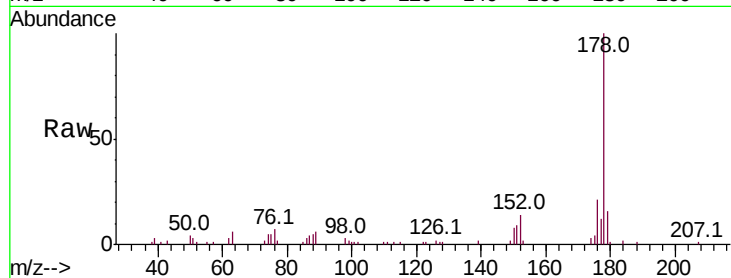
Tot Ion:178 Resp: 54414

Ion Ratio Lower Upper

178 100

176 20.6 15.2 22.8

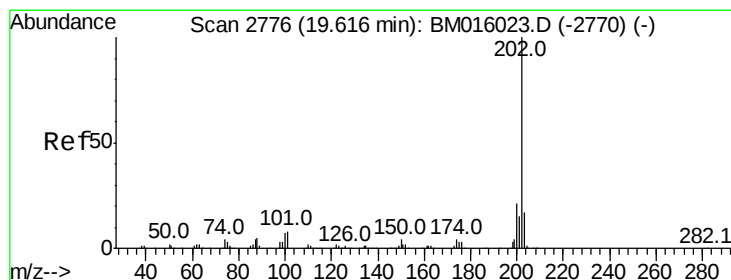
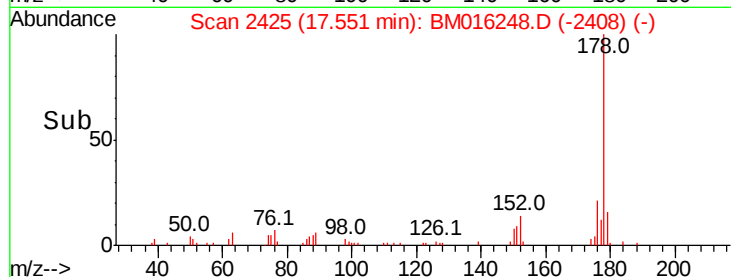
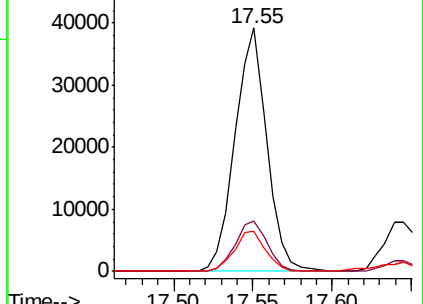
179 16.4 12.1 18.1



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: 10.001 ng

RT: 19.54 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

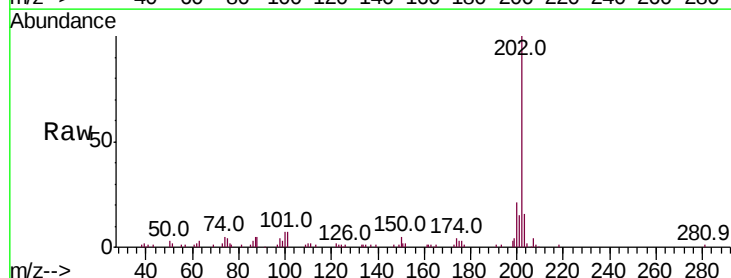
Tgt Ion:202 Resp: 90942

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.7

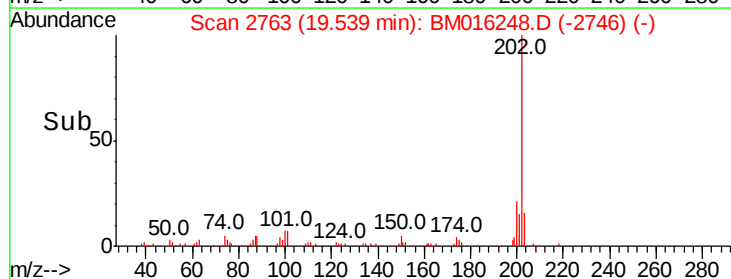
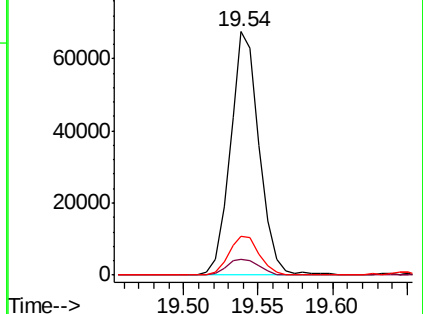
203 15.9 0.0 37.2

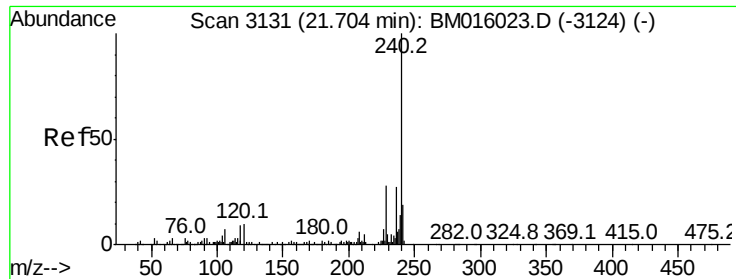


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.63 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampleId :

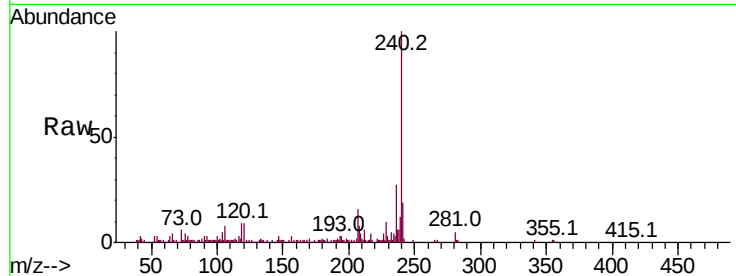
Tot Ion:240 Resp: 145915

Ion Ratio Lower Upper

240 100

120 8.8 8.2 12.2

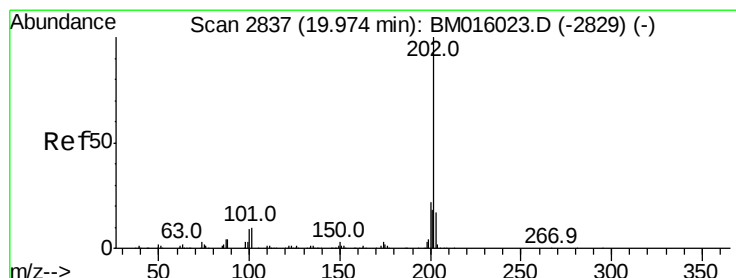
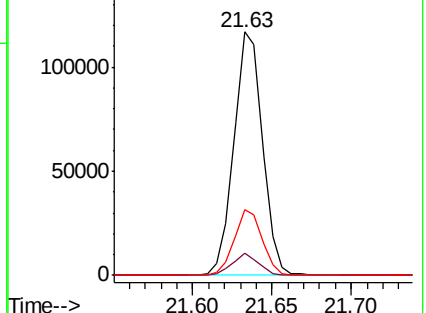
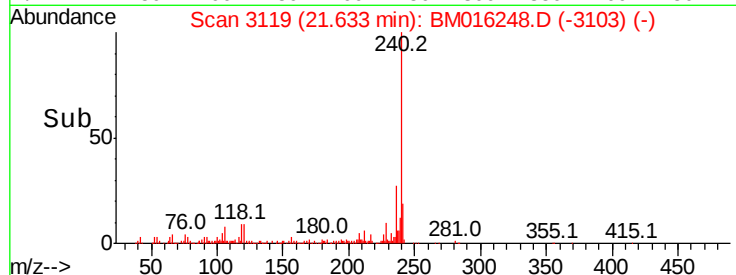
236 26.9 20.0 30.0



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

Pyrene

Concen: 8.840 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

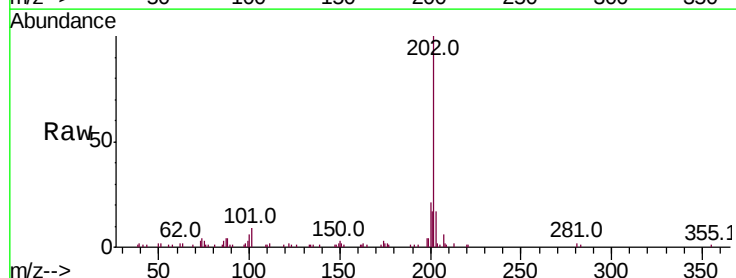
Tgt Ion:202 Resp: 77298

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

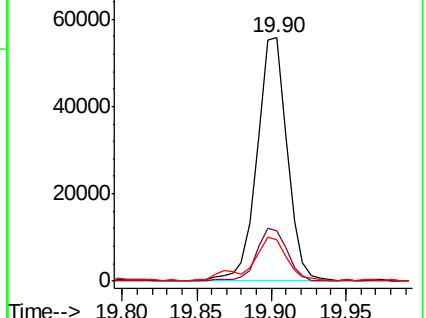
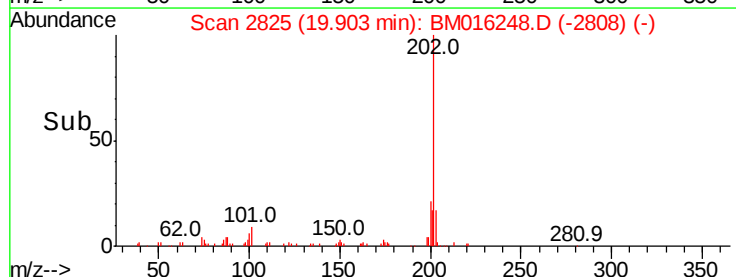
203 17.2 14.1 21.1

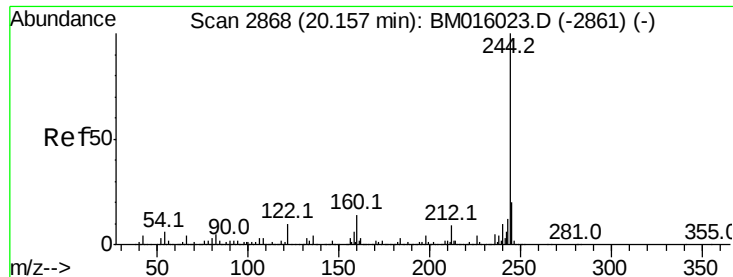


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.840 ng

RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampled :

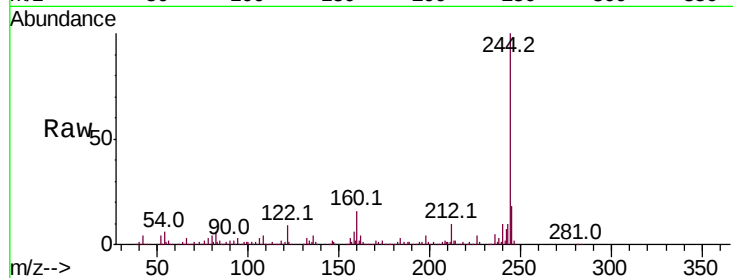
Tot Ion:244 Resp: 392502

Ion Ratio Lower Upper

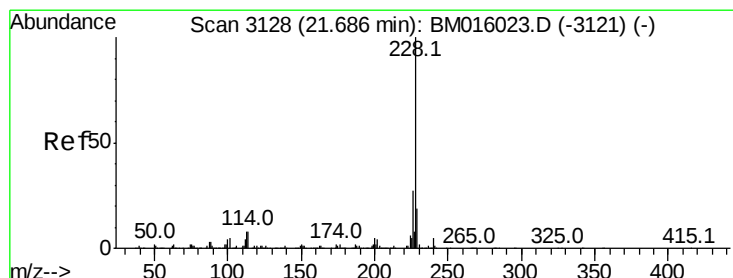
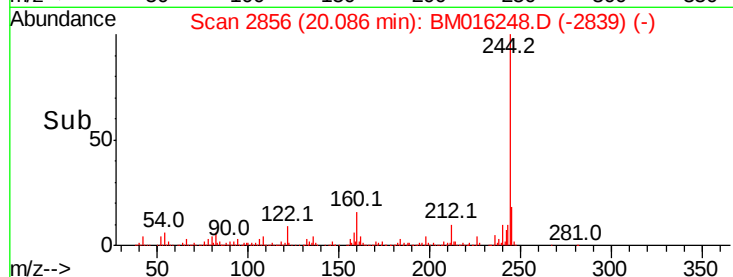
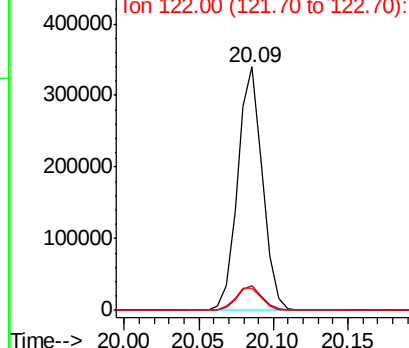
244 100

212 9.9 4.9 7.3#

122 9.4 6.2 9.4#



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: 5.559 ng

RT: 21.62 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

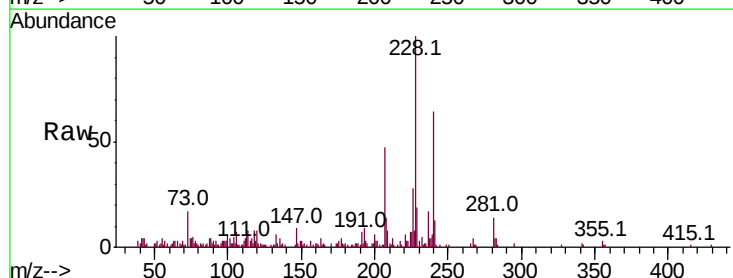
Tgt Ion:228 Resp: 49958

Ion Ratio Lower Upper

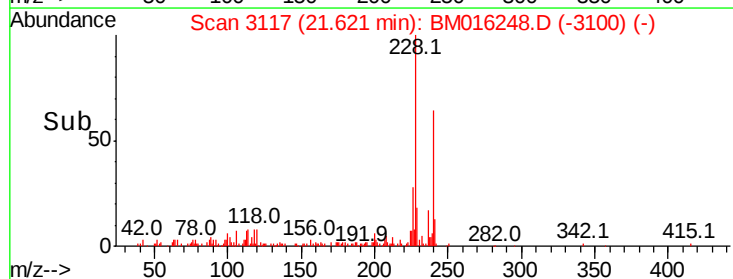
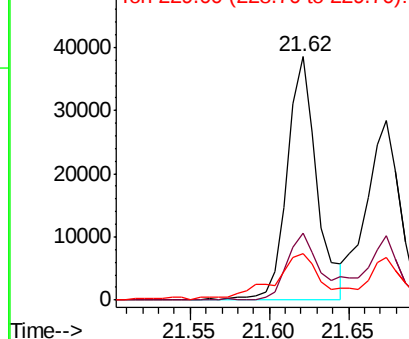
228 100

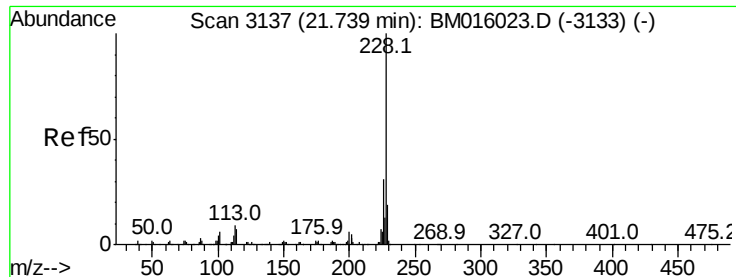
226 27.5 21.7 32.5

229 19.3 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: 5.610 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.05 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampled :

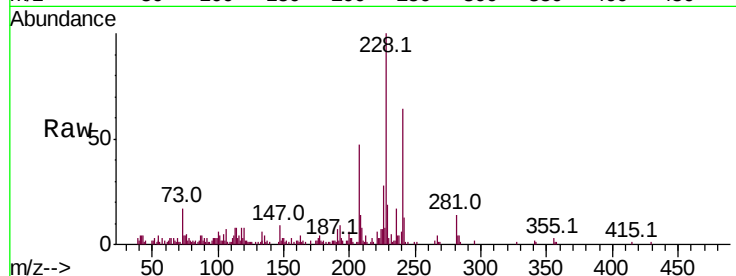
Tot Ion:228 Resp: 48360

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.1	36.1
229	19.3	15.5	23.3

228 100

226 27.5 24.1 36.1

229 19.3 15.5 23.3

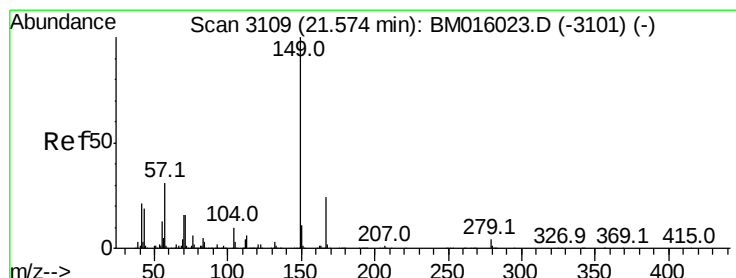
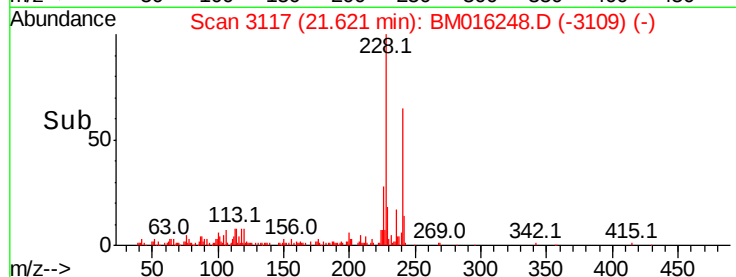
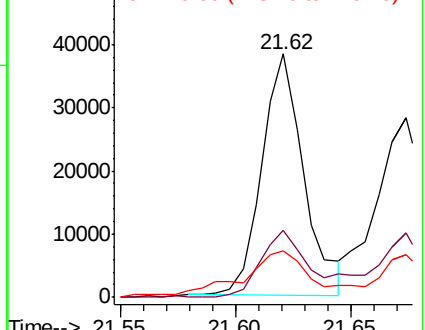


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.661 ng

RT: 21.51 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

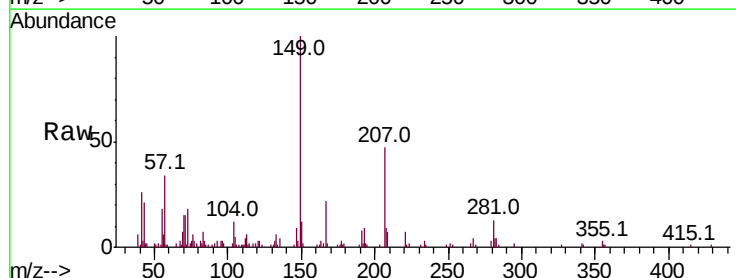
Tgt Ion:149 Resp: 36447

Ion	Ratio	Lower	Upper
149	100		
167	22.0	22.4	33.6#
279	2.9	3.4	5.0#

149 100

167 22.0 22.4 33.6#

279 2.9 3.4 5.0#

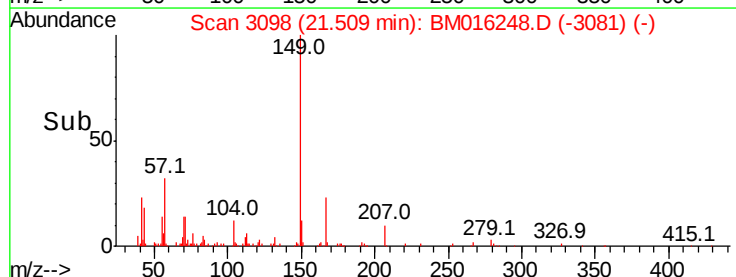
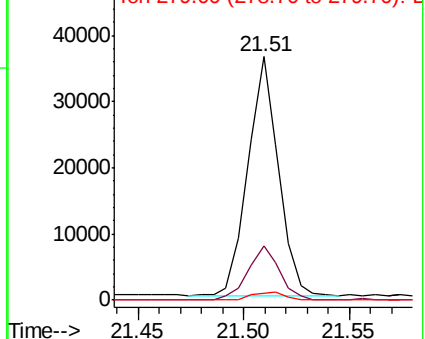


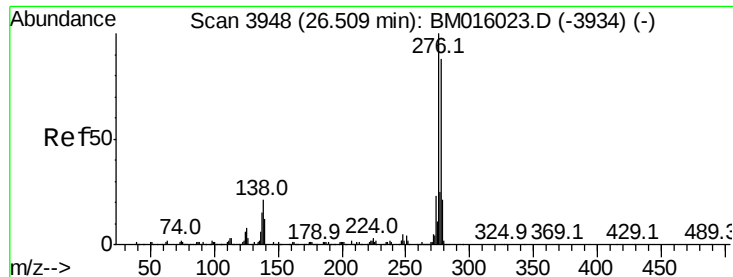
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

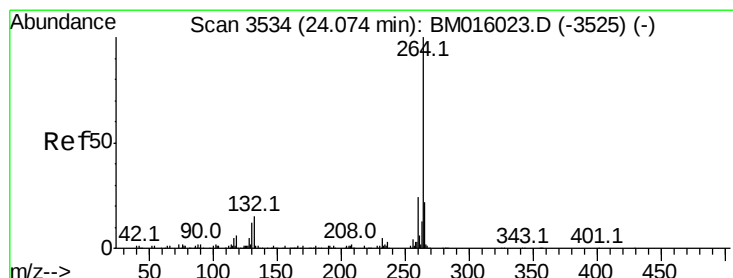
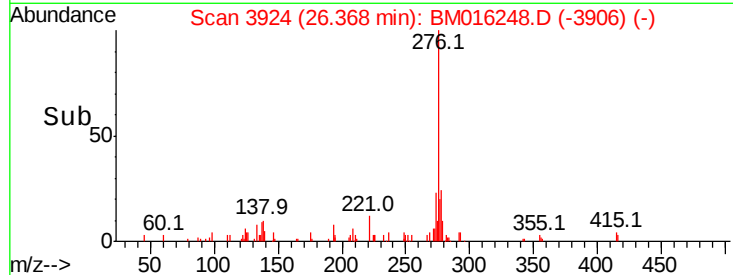
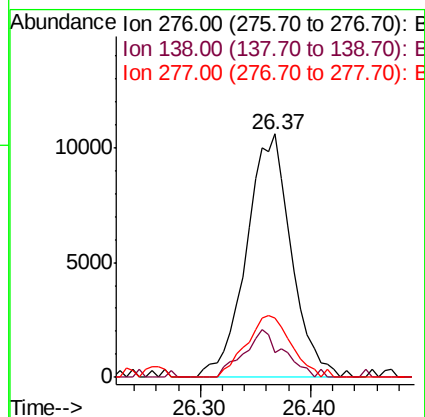
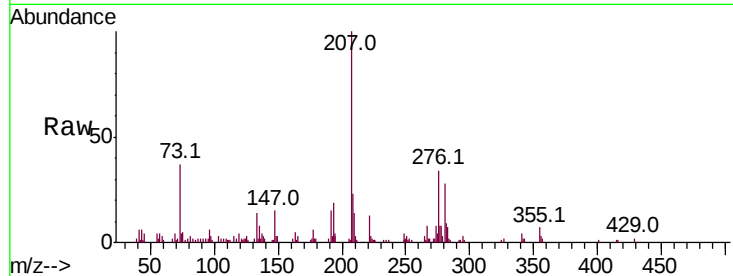




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.939 ng
 RT: 26.37 min Scan# 3924
 Delta R.T. 0.01 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

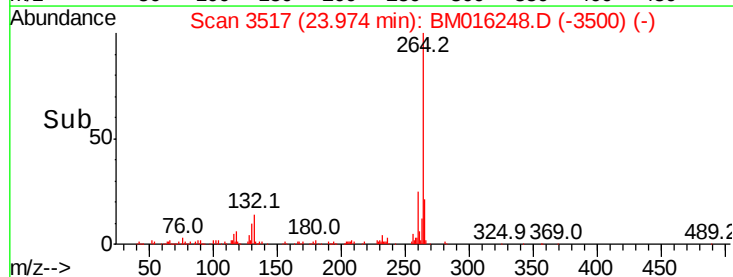
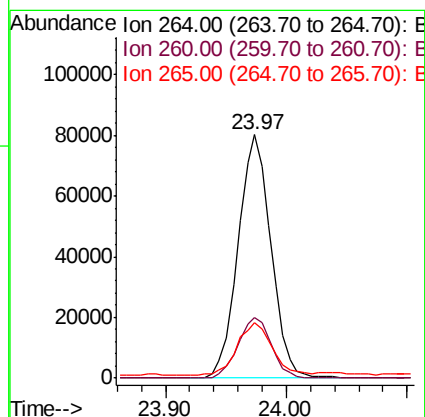
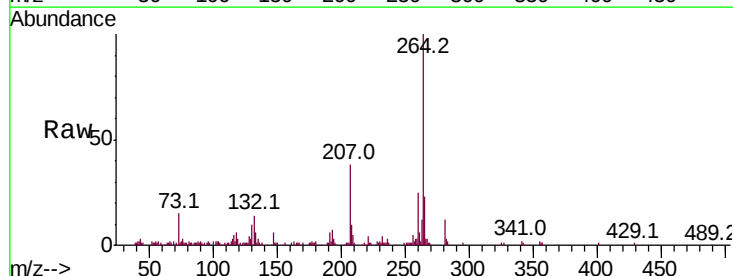
Instrument :
 BNA_M
 ClientSampleId :

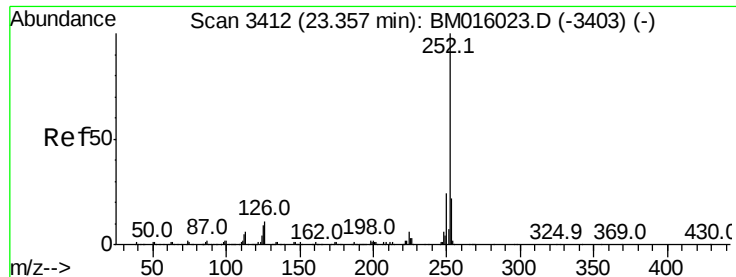
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.0	18.0
277	25.5	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.97 min Scan# 3517
 Delta R.T. 0.00 min
 Lab File: BM016248.D
 Acq: 08 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.6	27.8
265	22.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 6.189 ng

RT: 23.27 min Scan# 3397

Delta R.T. 0.00 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

Instrument :

BNA_M

ClientSampleId :

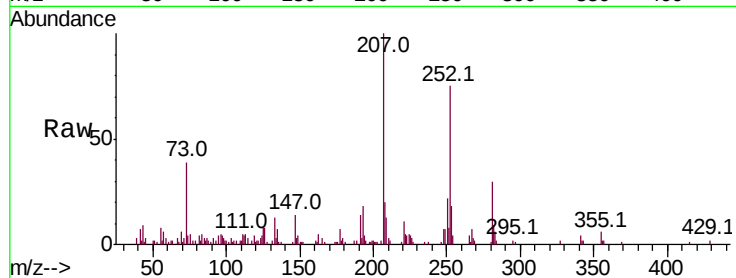
Tot Ion:252 Resp: 55345

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

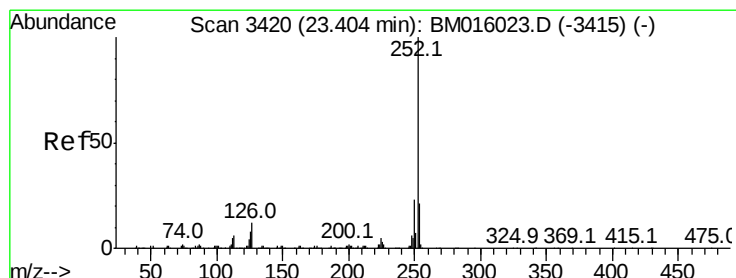
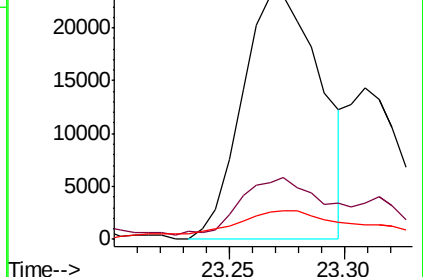
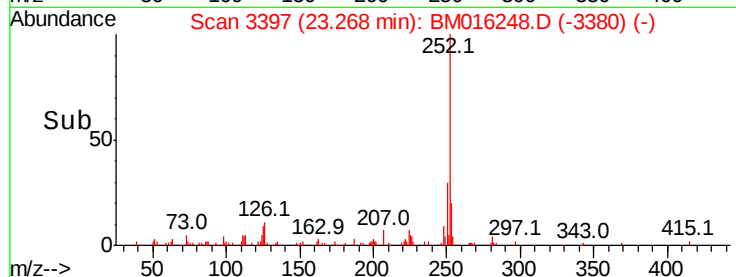
125 11.3 9.9 14.9



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: 6.107 ng

RT: 23.27 min Scan# 3397

Delta R.T. -0.05 min

Lab File: BM016248.D

Acq: 08 Aug 2018 14:00

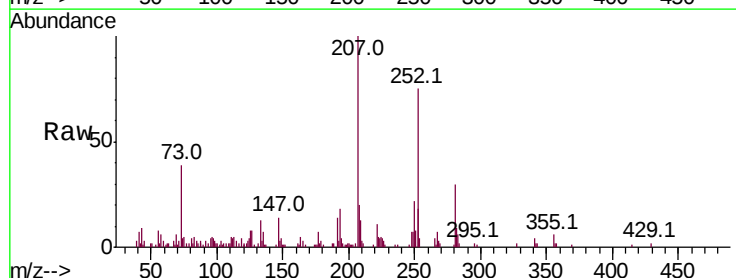
Tgt Ion:252 Resp: 55345

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

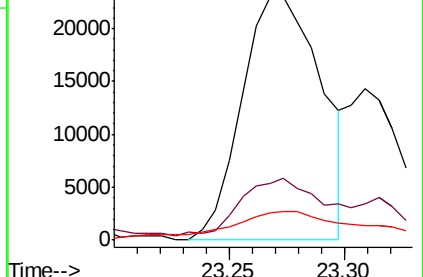
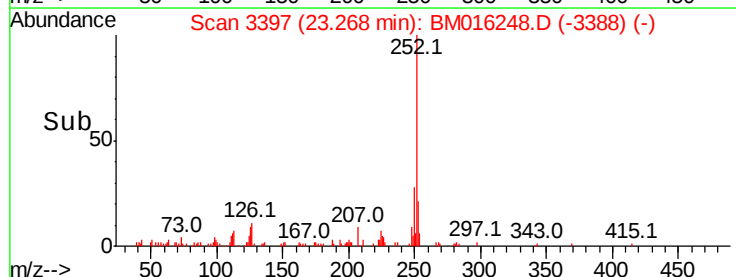
125 11.3 8.1 12.1

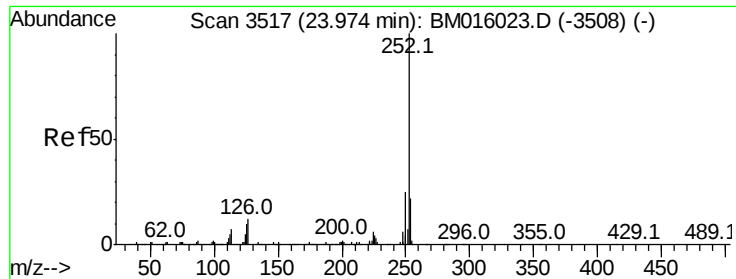


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

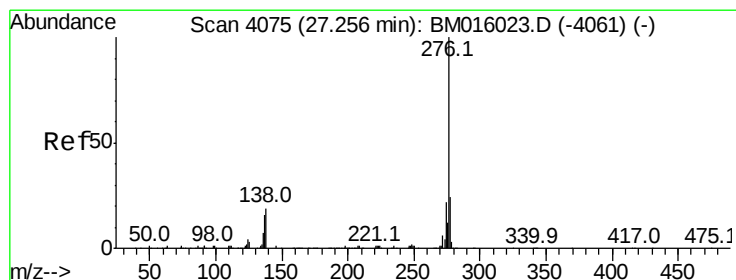
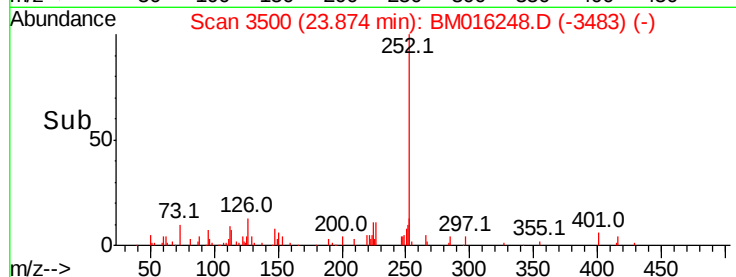
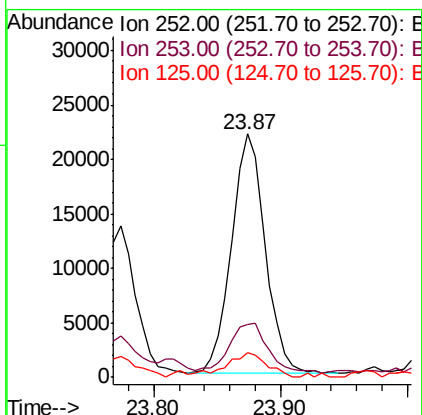
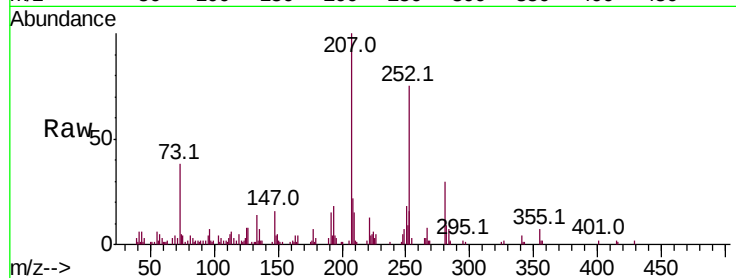




#89
Benzo(a)pyrene
Concen: 4.715 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016248.D
Acq: 08 Aug 2018 14:00

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.3	7.4	11.2



#91
Benzo(g,h,i)perylene
Concen: 3.308 ng
RT: 27.10 min Scan# 4048
Delta R.T. 0.00 min
Lab File: BM016248.D
Acq: 08 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.5	27.7
138	10.2	19.0	28.6

