

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018323.D
 Acq On : 20 Dec 2018 07:50
 Operator : JU/SJ
 Sample : J6196-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-121818-C

Quant Time: Dec 20 13:20:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

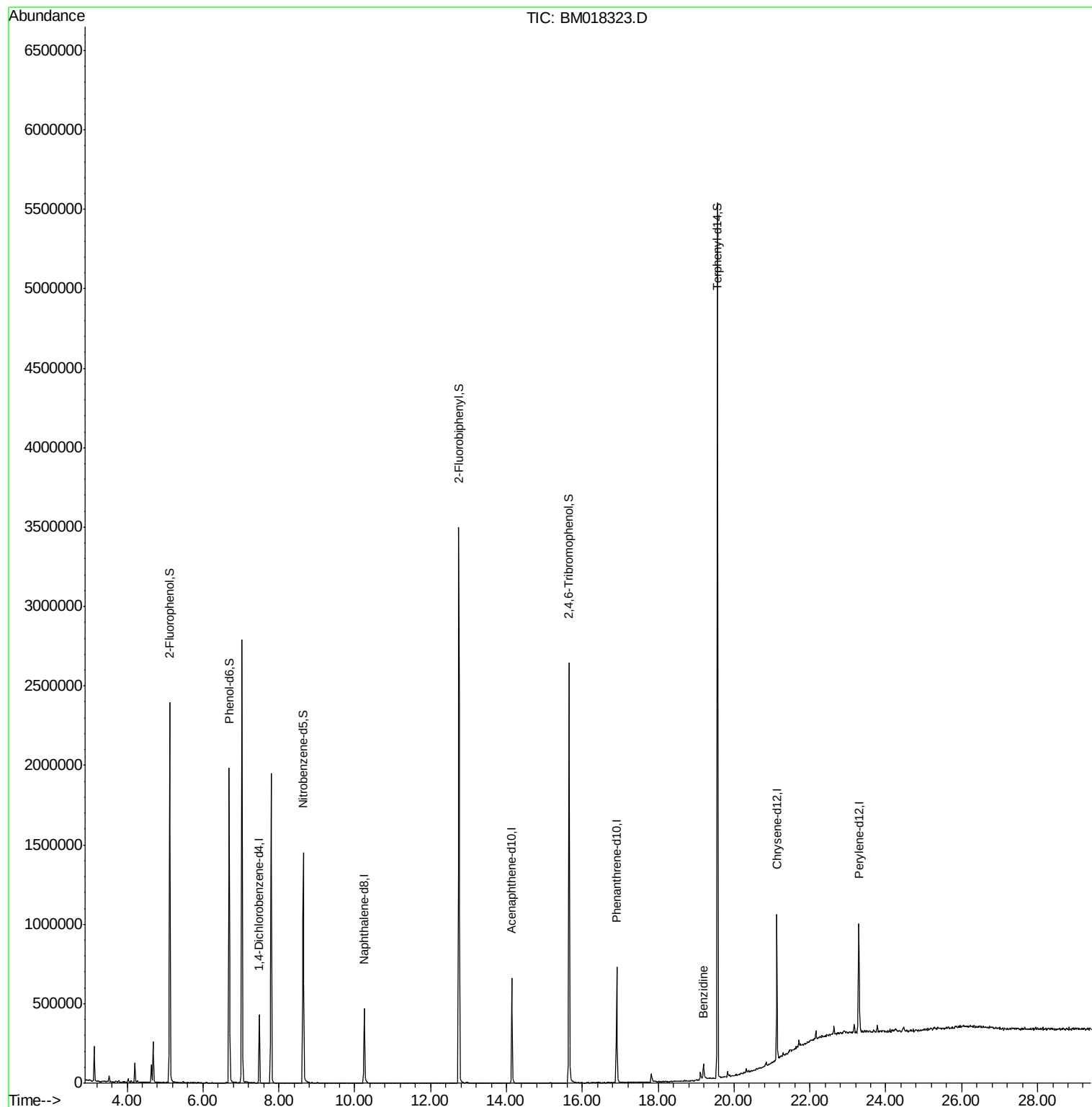
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	108484	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	397877	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	221870	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	439728	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	425579	20.00	ng	-0.02
87) Perylene-d12	23.29	264	457285	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	947904	145.96	ng	0.00
7) Phenol-d6	6.69	99	1123938	124.52	ng	-0.01
23) Nitrobenzene-d5	8.65	82	894433	115.31	ng	-0.02
42) 2,4,6-Tribromophenol	15.65	330	461314	141.66	ng	-0.02
45) 2-Fluorobiphenyl	12.75	172	1803195	105.27	ng	-0.02
79) Terphenyl-d14	19.56	244	2297917	122.12	ng	-0.01
Target Compounds						
77) Benzidine	19.19	184	73796	6.838	ng	Qvalue 97

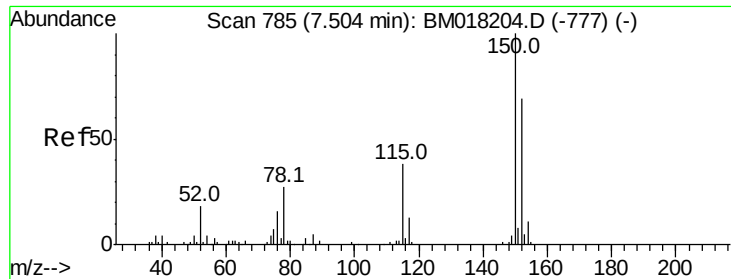
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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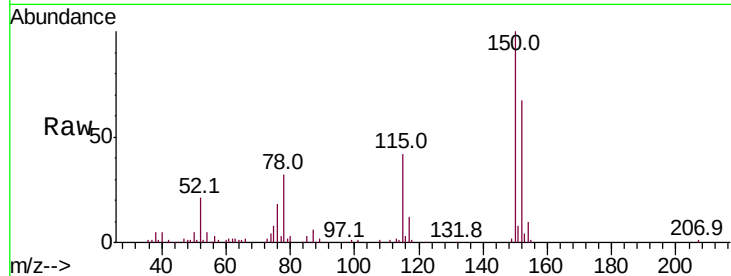


#1

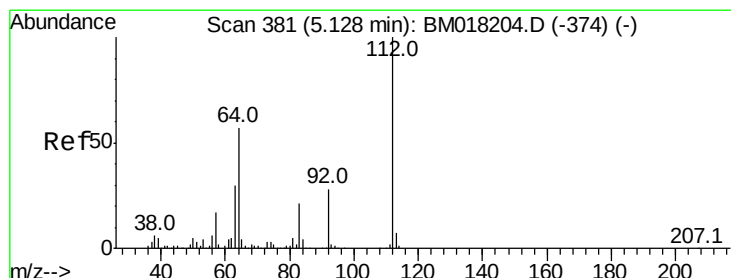
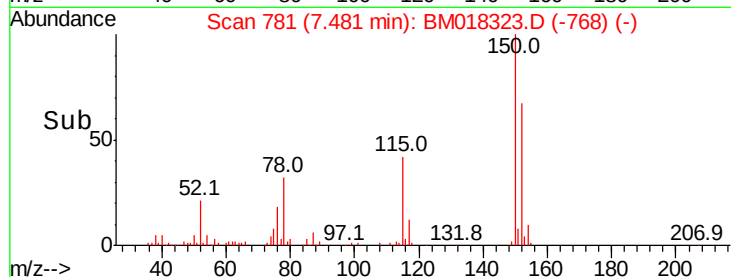
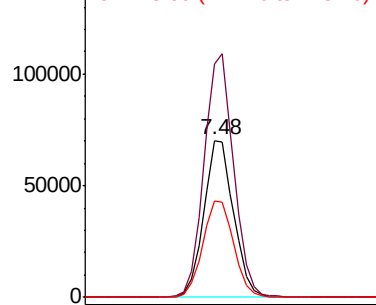
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018323.D
Acq: 20 Dec 2018 07:50

Instrument :
BNA_M
ClientSampleId :
EO-01-121818-C

Tot Ion:152 Resp: 108484
Ion Ratio Lower Upper
152 100
150 148.6 116.1 174.1
115 61.8 44.6 67.0



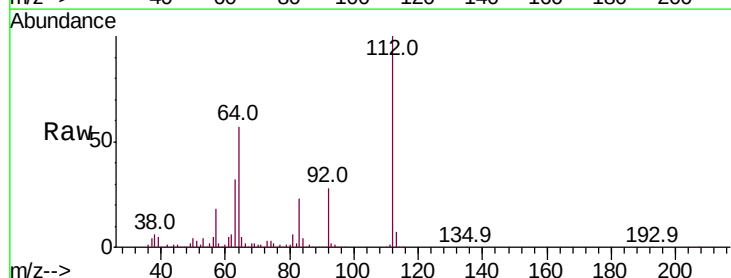
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



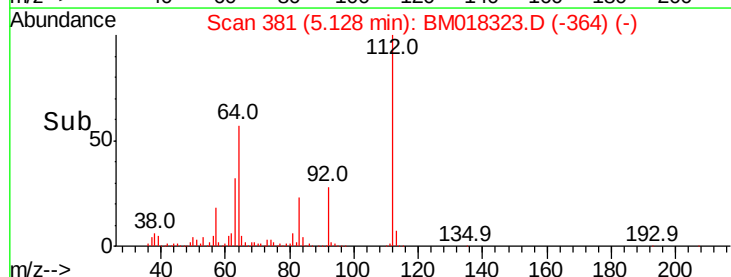
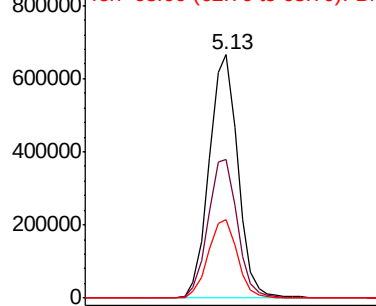
#5

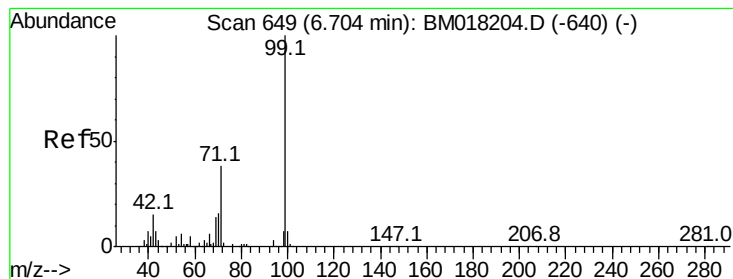
2-Fluorophenol
Concen: 145.962 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018323.D
Acq: 20 Dec 2018 07:50

Tgt Ion:112 Resp: 947904
Ion Ratio Lower Upper
112 100
64 57.0 45.4 68.2
63 32.3 24.0 36.0



Abundance Ion 112.00 (111.70 to 112.70): E
800000 Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 124.517 ng

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

Instrument :

BNA_M

ClientSampleId :

EO-01-121818-C

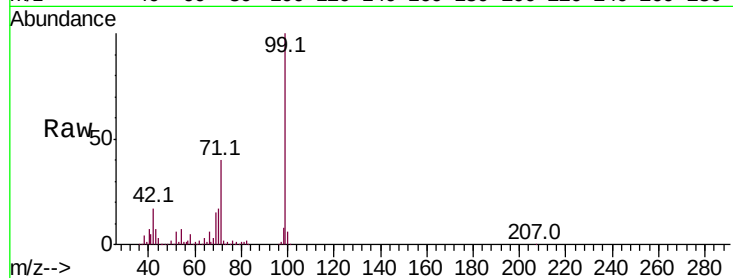
Tot Ion: 99 Resp: 1123938

Ion Ratio Lower Upper

99 100

42 16.5 12.3 18.5

71 39.9 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)

6.69

800000

600000

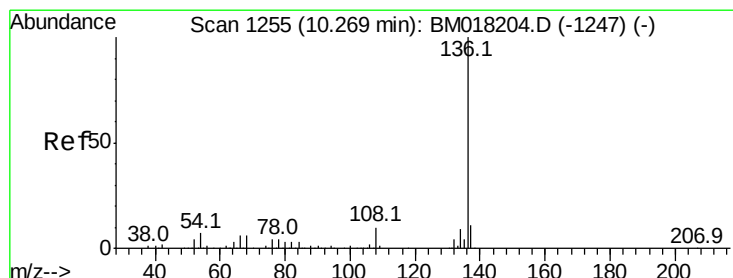
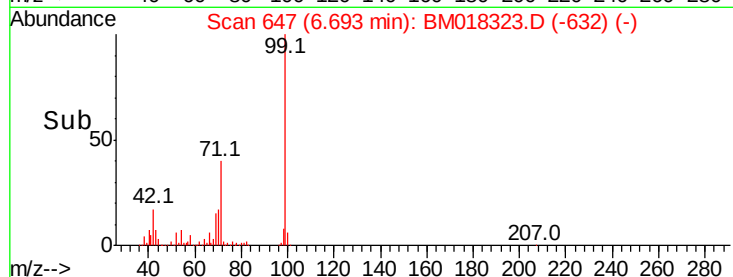
400000

200000

0

6.60 6.65 6.70 6.75

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

Tgt Ion:136 Resp: 397877

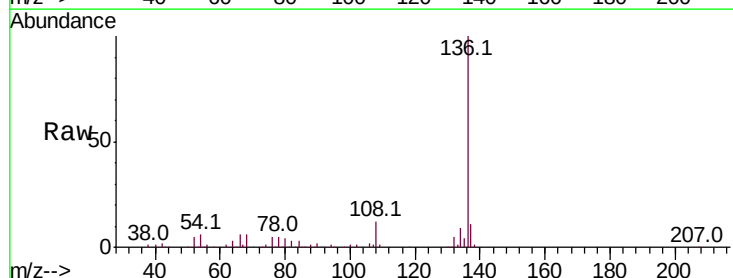
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 5.7 5.2 7.8

68 6.0 5.0 7.6



Abundance Ion 136.00 (135.70 to 136.70): BM018204.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM018204.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM018204.D (-1247) (-)

10.25

300000

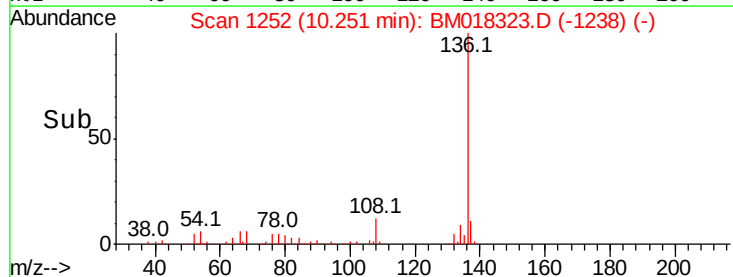
200000

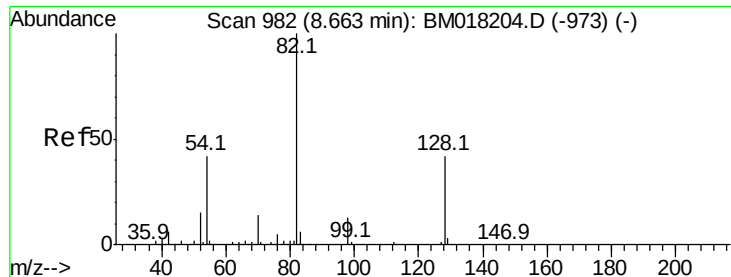
100000

0

10.20 10.25 10.30

Time-->

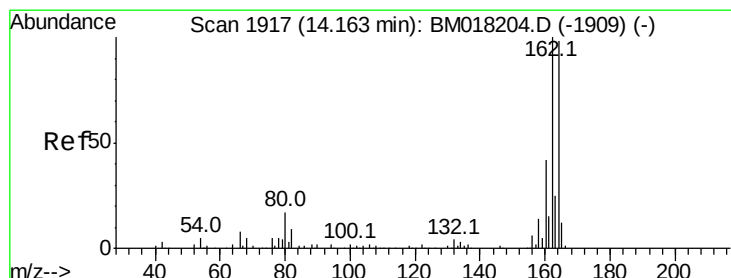
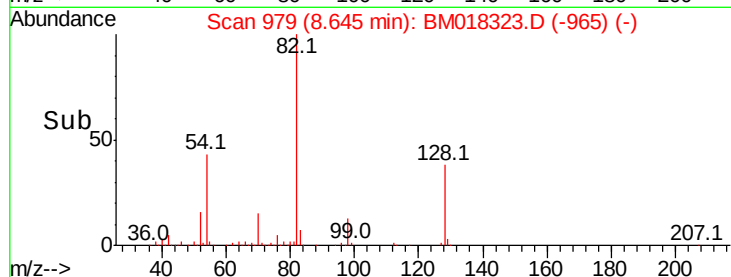
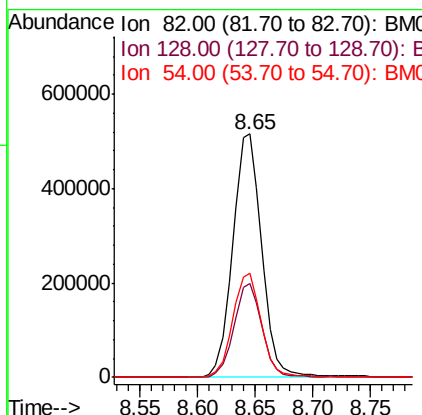
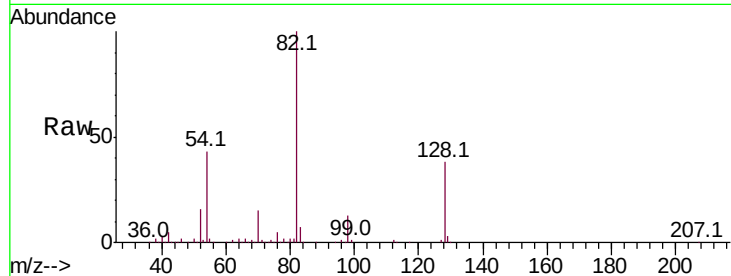




#23
 Nitrobenzene-d5
 Concen: 115.309 ng
 RT: 8.65 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BM018323.D
 Acq: 20 Dec 2018 07:50

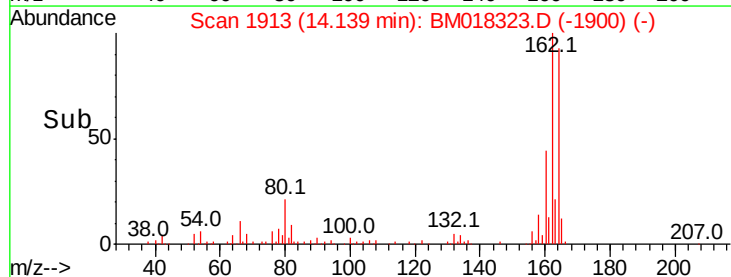
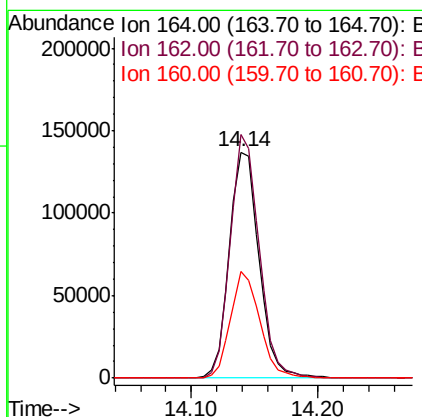
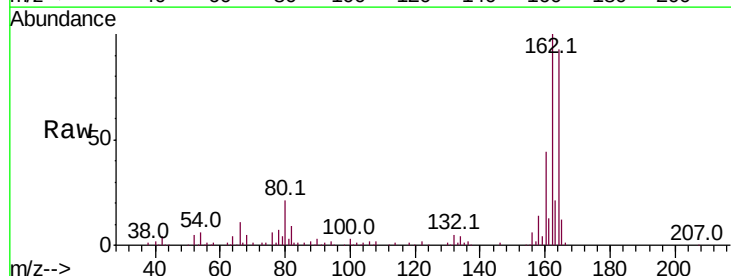
Instrument :
 BNA_M
 ClientSampleId :
 EO-01-121818-C

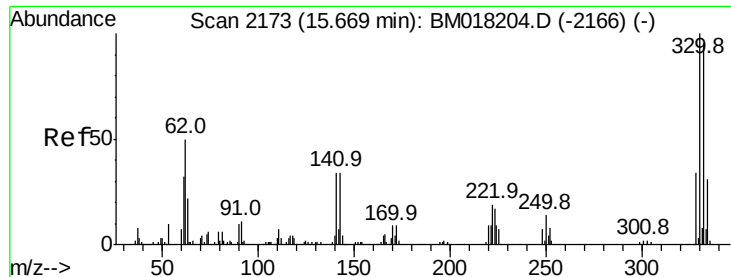
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.4	50.2
54	42.9	33.4	50.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.14 min Scan# 1913
 Delta R.T. -0.02 min
 Lab File: BM018323.D
 Acq: 20 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	81.8	122.6
160	47.3	34.6	51.8

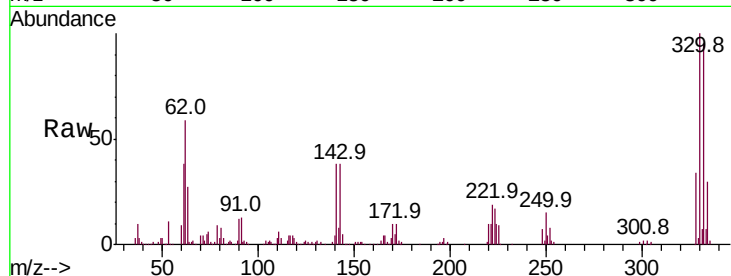




#42
 2,4,6-Tribromophenol
 Concen: 141.662 ng
 RT: 15.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BM018323.D
 Acq: 20 Dec 2018 07:50

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-121818-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.6	118.0
141	38.3	27.1	40.7

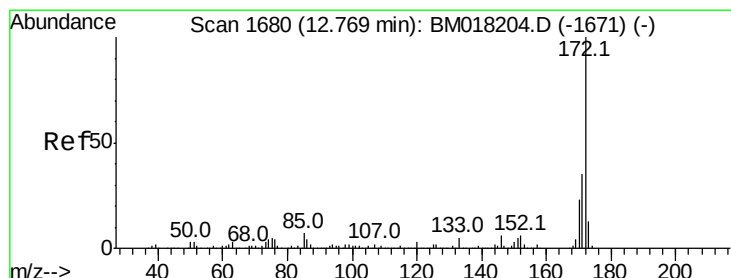
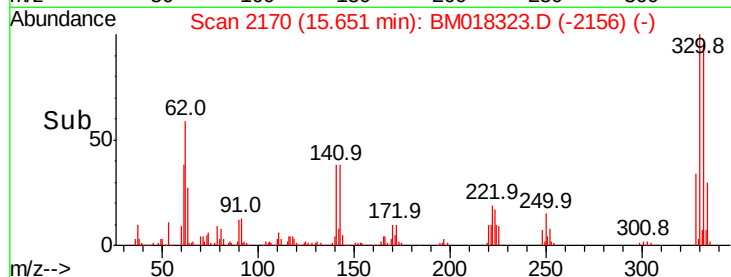
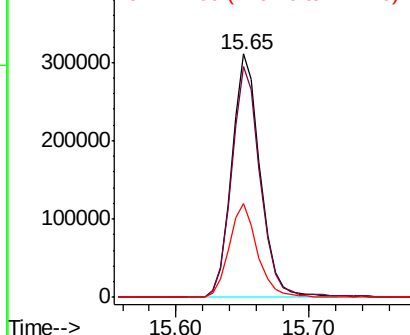


Abundance

Ion 329.80 (329.50 to 330.50): E

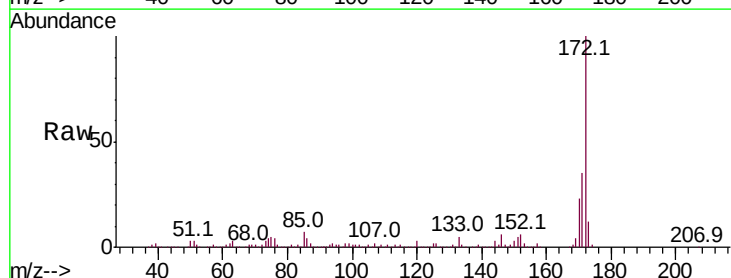
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 105.267 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018323.D
 Acq: 20 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	22.9	18.1	27.1

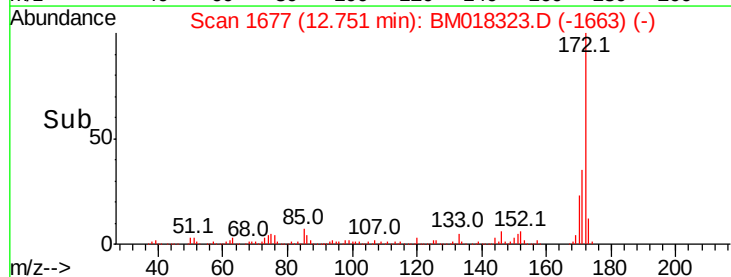
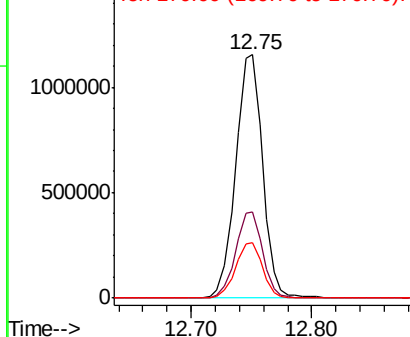


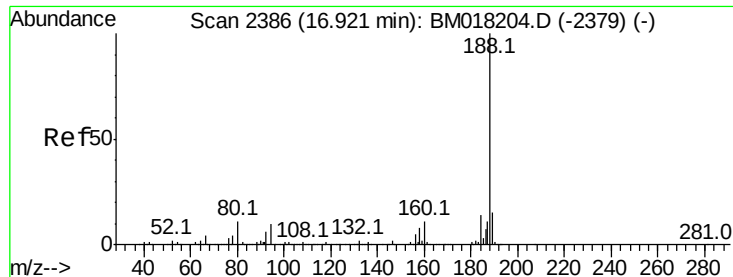
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

Instrument :

BNA_M

ClientSampleId :

EO-01-121818-C

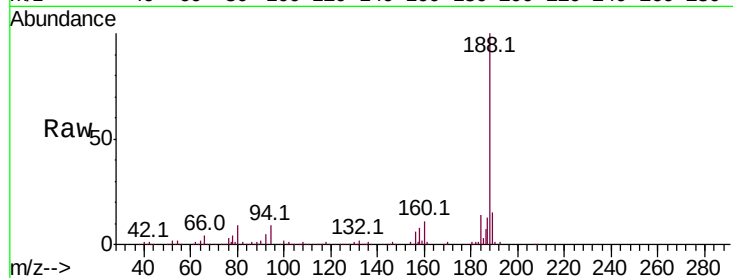
Tot Ion:188 Resp: 439728

Ion Ratio Lower Upper

188 100

94 8.9 8.0 12.0

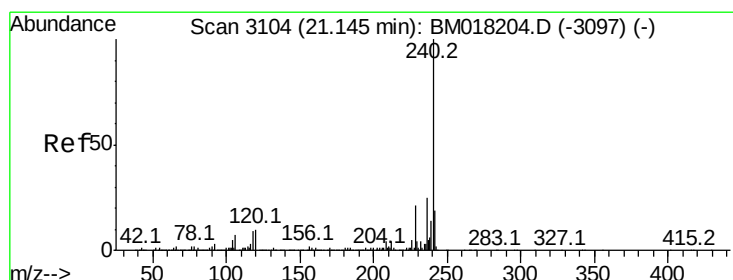
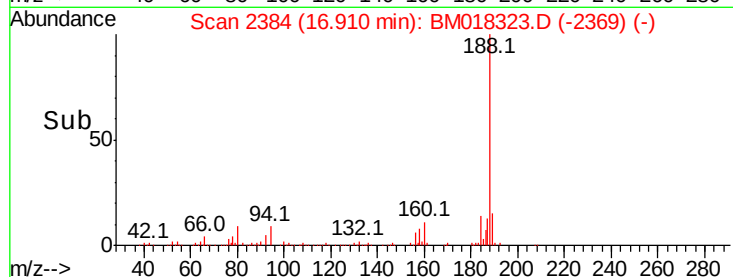
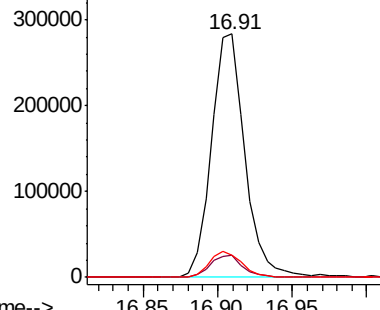
80 9.3 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

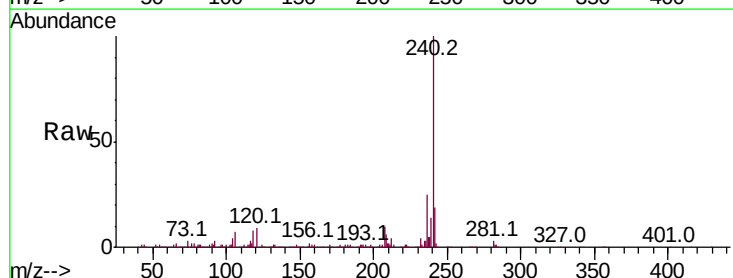
Tgt Ion:240 Resp: 425579

Ion Ratio Lower Upper

240 100

120 8.5 8.2 12.2

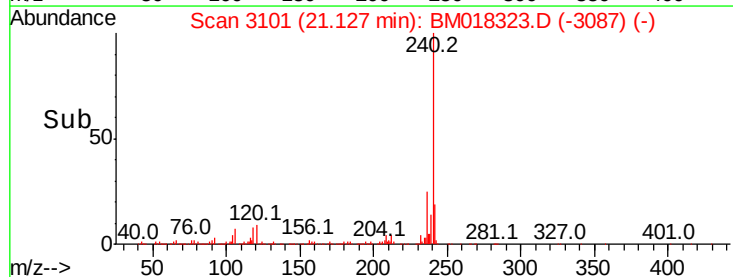
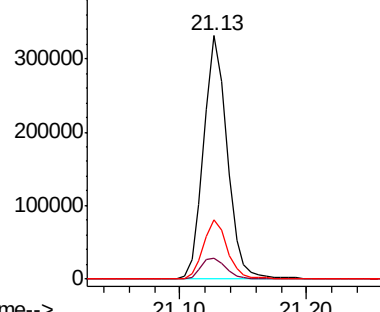
236 24.6 20.3 30.5

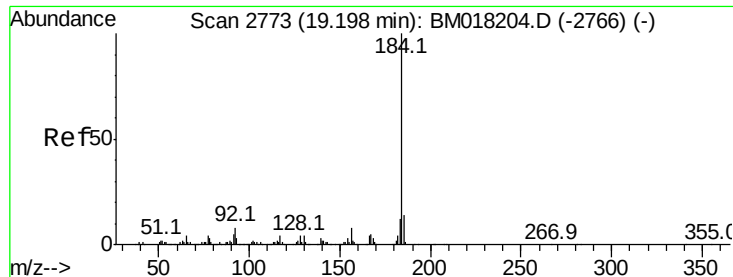


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.838 ng

RT: 19.19 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

Instrument :

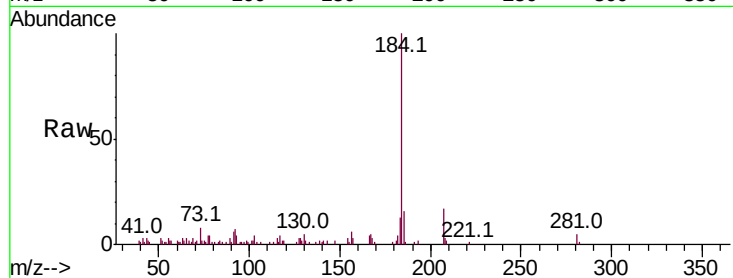
BNA_M

ClientSampleId :

EO-01-121818-C

Tot Ion:184 Resp: 73796

Ion	Ratio	Lower	Upper
184	100		
185	16.2	11.4	17.2
183	12.7	9.7	14.5

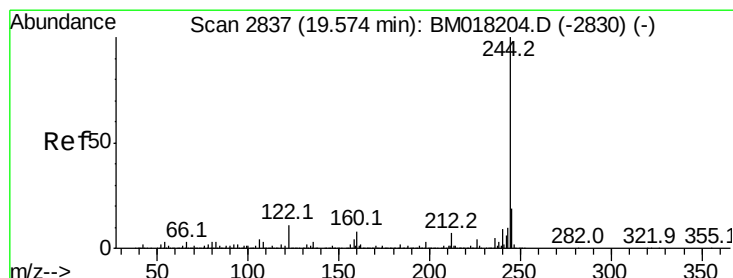
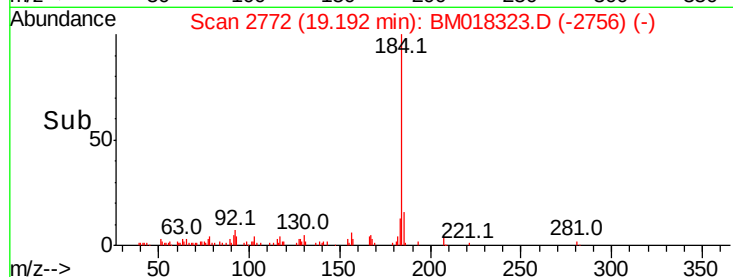
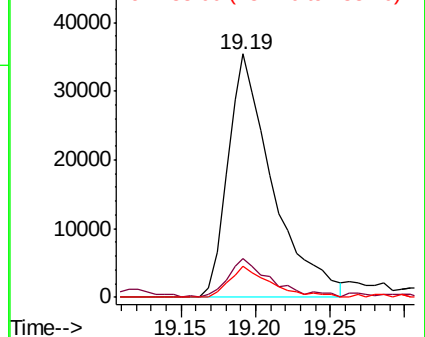


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 122.118 ng

RT: 19.56 min Scan# 2835

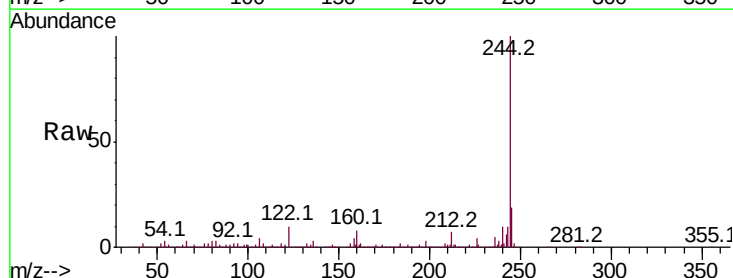
Delta R.T. -0.01 min

Lab File: BM018323.D

Acq: 20 Dec 2018 07:50

Tgt Ion:244 Resp: 2297917

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.1	9.0	13.6

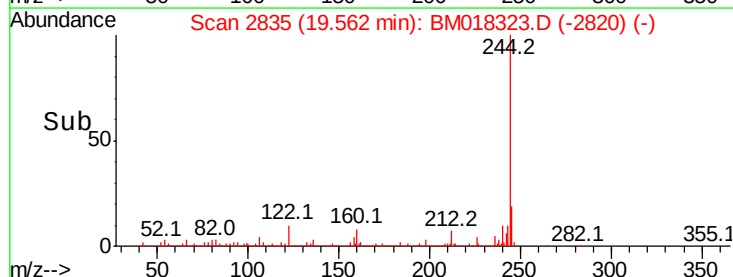
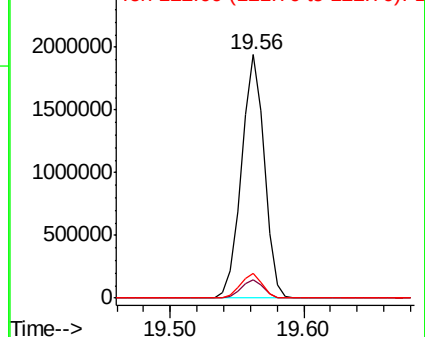


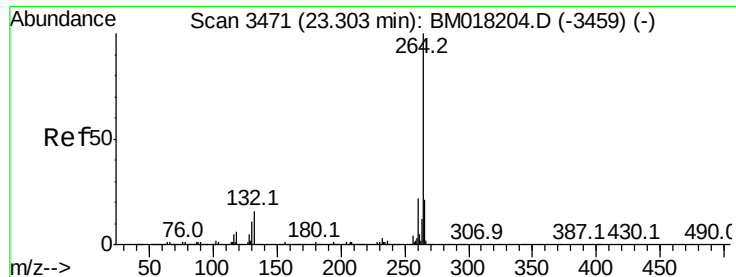
Abundance

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

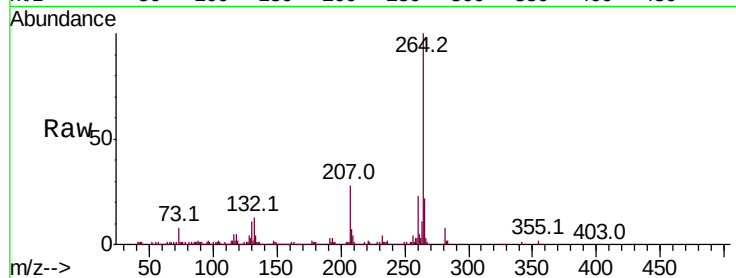




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BM018323.D
Acq: 20 Dec 2018 07:50

Instrument :
BNA_M
ClientSampleId :
EO-01-121818-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.5	26.3
265	21.5	17.3	25.9

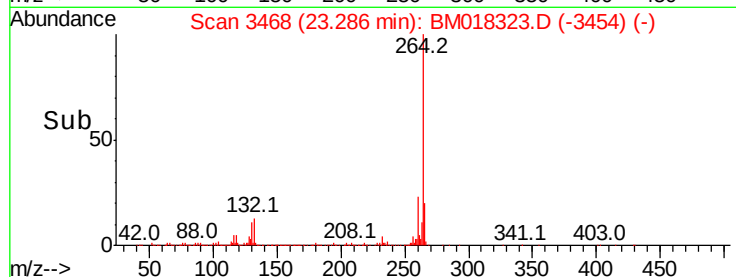
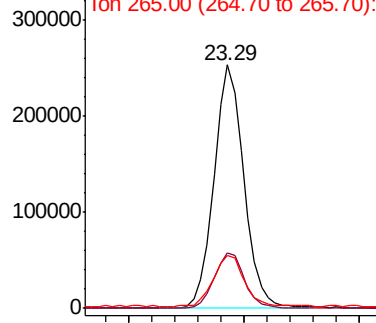


Abundance

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



Time-->