

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
 Data File : BM018942.D
 Acq On : 26 Feb 2019 22:50
 Operator : JU/SJ
 Sample : K1348-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-022519

Manual Integrations
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Sohil
 2/27/2019 4:20:25 PM

Quant Time: Feb 27 00:59:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	372794	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1405524	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	670054	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1314795	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1358218	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1500252	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1217161	53.50	ng	-0.02
7) Phenol-d6	6.87	99	1622769	50.63	ng	-0.02
23) Nitrobenzene-d5	8.86	82	1030856	33.91	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	409377	42.38	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1526613	30.24	ng	-0.02
79) Terphenyl-d14	19.73	244	1691100	25.68	ng	-0.02
Target Compounds						
71) Phenanthrene	17.14	178	333329	4.717	ng	Qvalue 100
75) Fluoranthene	19.16	202	661787	8.108	ng	99
78) Pyrene	19.53	202	598366	7.585	ng	99
81) Benzo(a)anthracene	21.27	228	333733	4.215	ng	96
83) Chrysene	21.33	228	301890	3.978	ng	96
84) Bis(2-ethylhexyl)phthalate	21.20	149	112589	2.140	ng	98
86) Indeno(1,2,3-cd)pyrene	25.82	276	235286	2.685	ng	96
88) Benzo(b)fluoranthene	22.86	252	443923m	5.172	ng	
89) Benzo(k)fluoranthene	22.90	252	172952m	2.024	ng	
90) Benzo(a)pyrene	23.44	252	332972	4.095	ng	# 93
92) Benzo(g,h,i)perylene	26.53	276	241708	3.223	ng	96

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

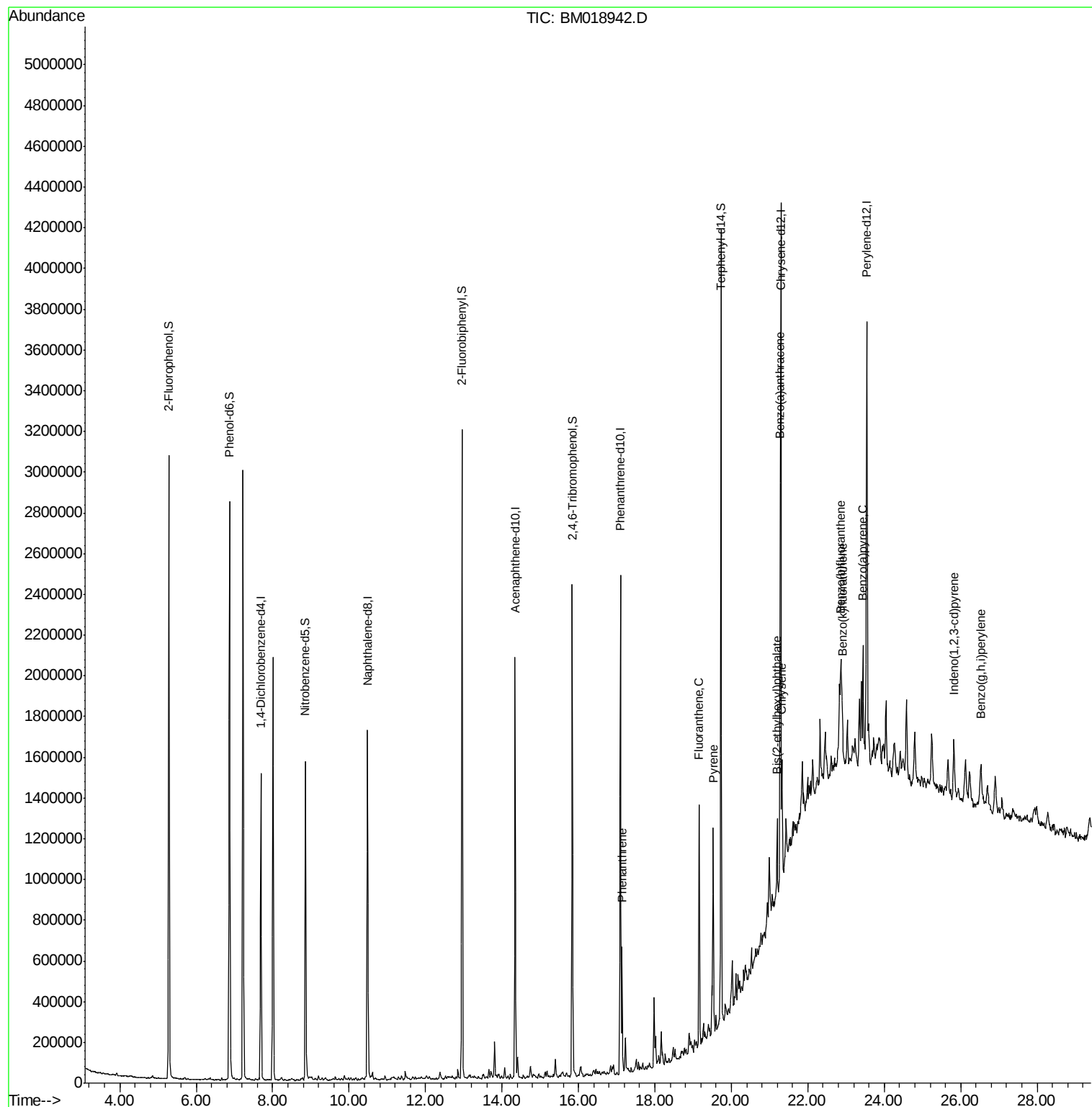
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018942.D
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Sample : K1348-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

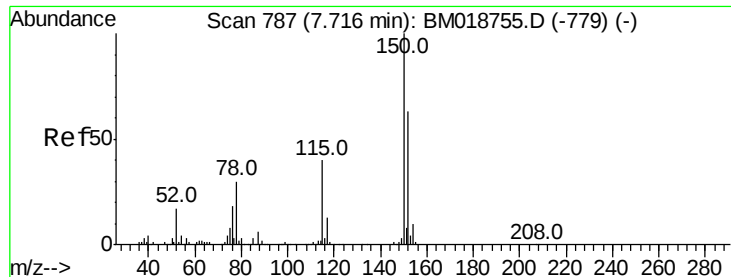
Instrument :
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ClientSampleId :
OK-02-022519

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Quant Time: Feb 27 00:59:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

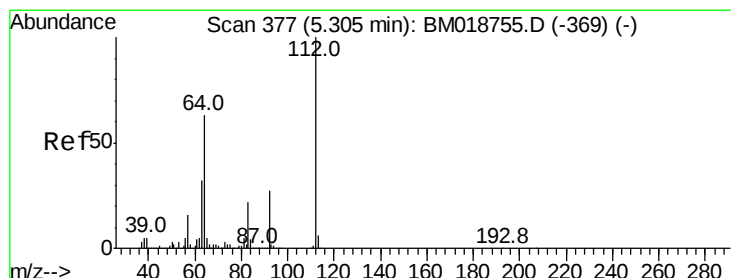
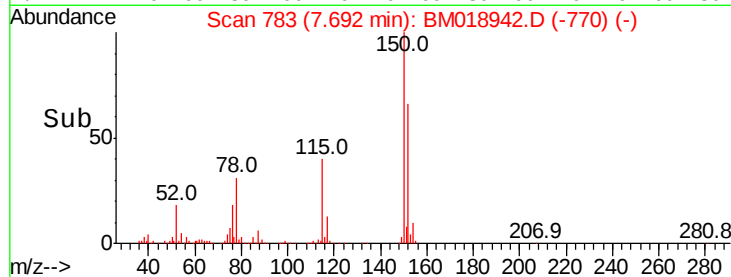
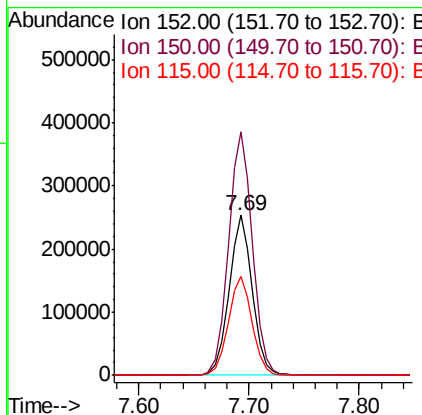
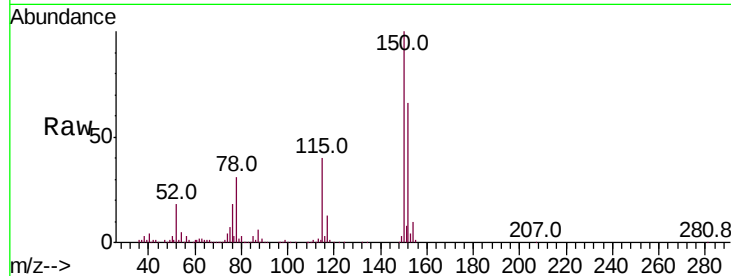
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Instrument :
BNA_M
ClientSampleId :
OK-02-022519

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	127.3	190.9
115	61.5	50.8	76.2

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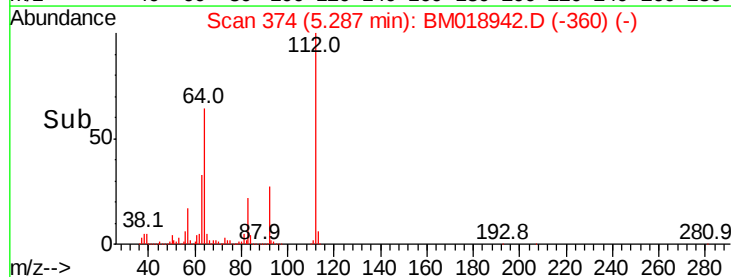
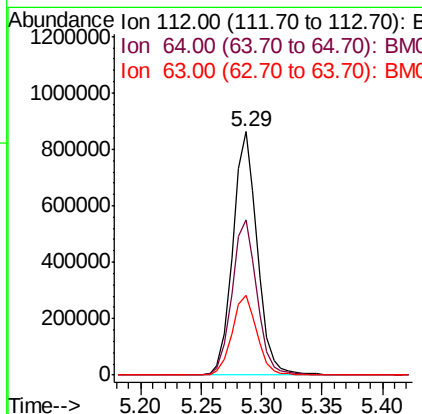
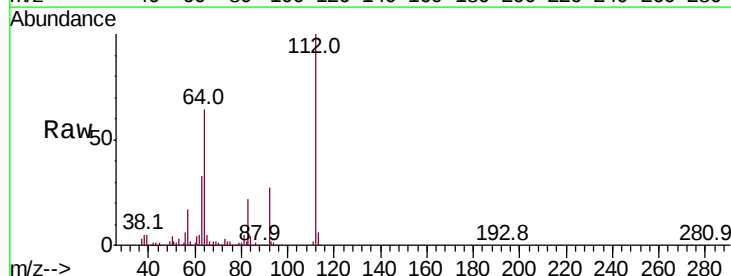
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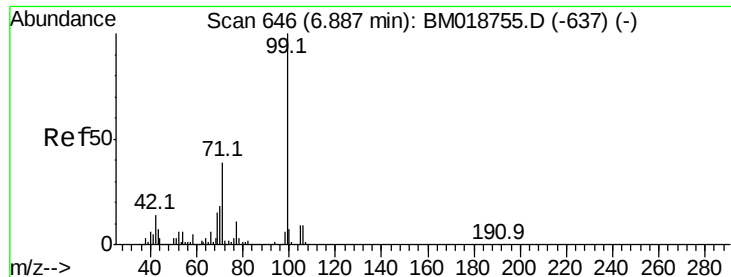


#5

2-Fluorophenol
Concen: 53.496 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	50.6	75.8
63	32.7	25.7	38.5





#7

Phenol-d6

Concen: 50.628 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

Tot Ion: 99 Resp: 1622769

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.6

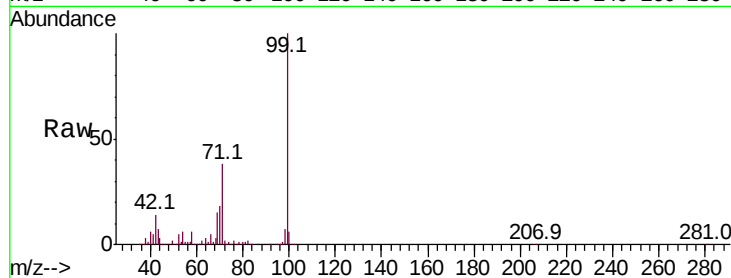
71 38.4 31.3 46.9

Manual Integrations

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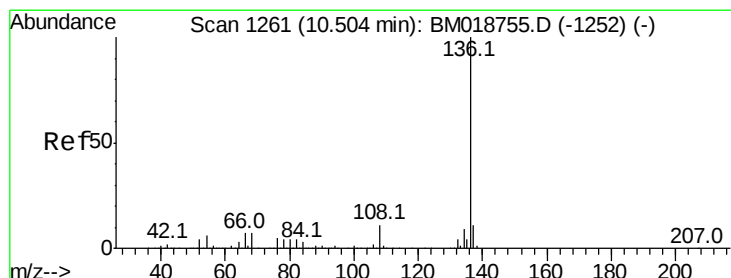
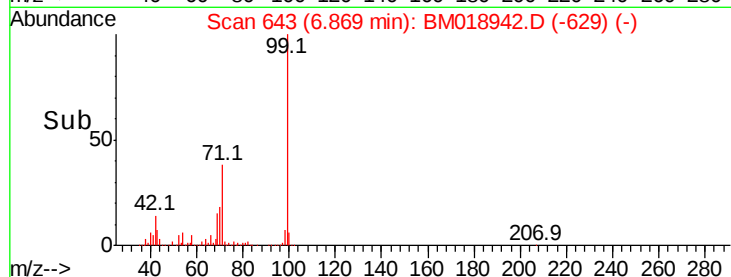
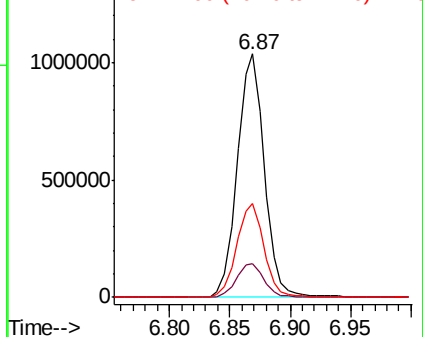
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Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Tgt Ion: 136 Resp: 1405524

Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.9 5.0 7.6

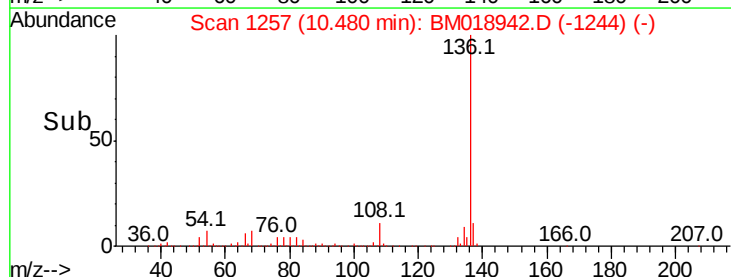
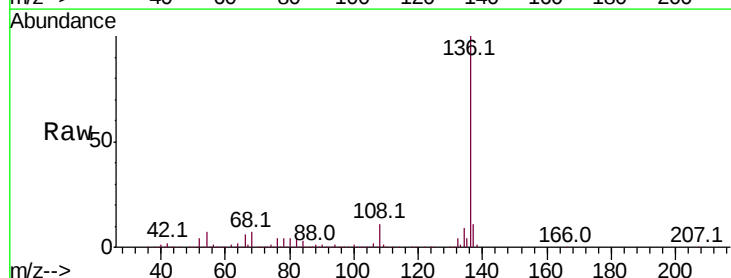
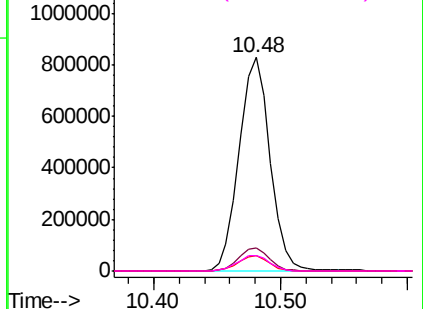
68 7.1 5.5 8.3

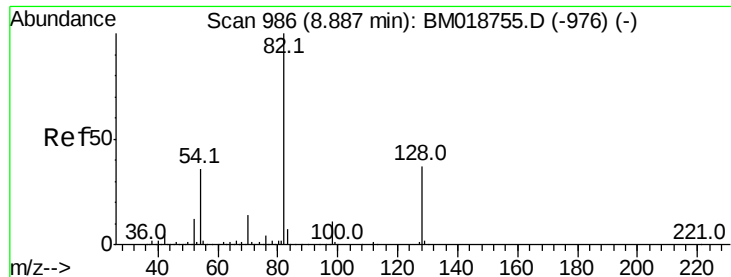
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)





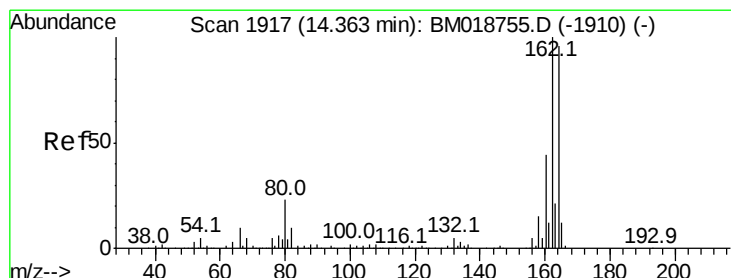
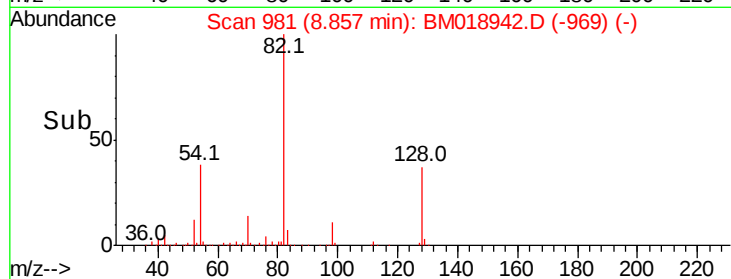
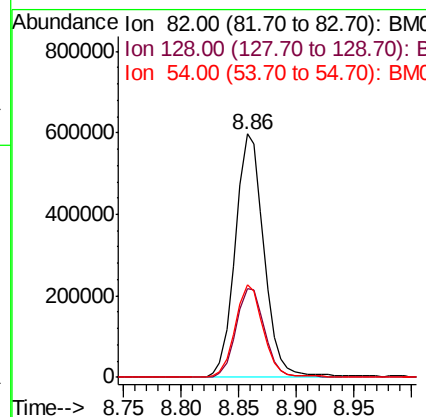
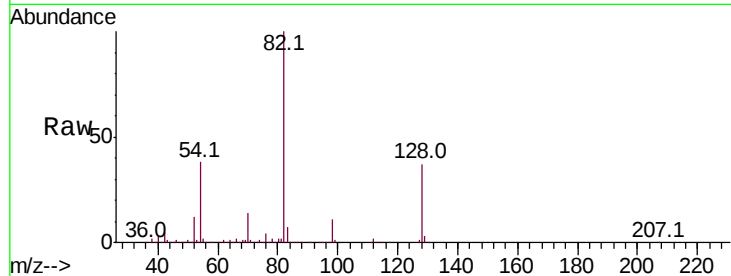
#23
 Nitrobenzene-d5
 Concen: 33.913 ng
 RT: 8.86 min Scan# 981
 Delta R.T. -0.03 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-022519

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.9	44.9
54	37.9	29.1	43.7

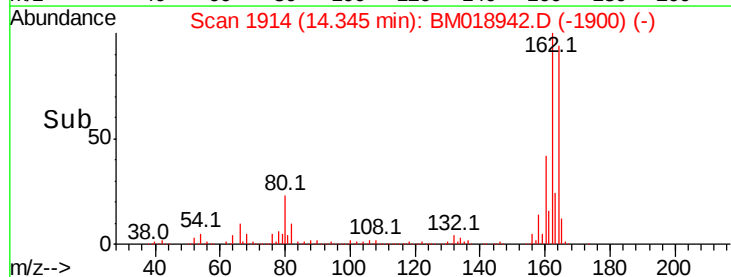
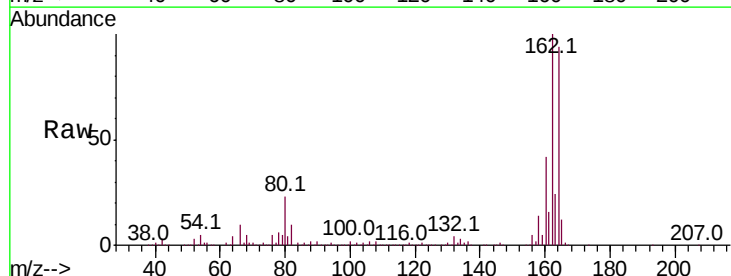
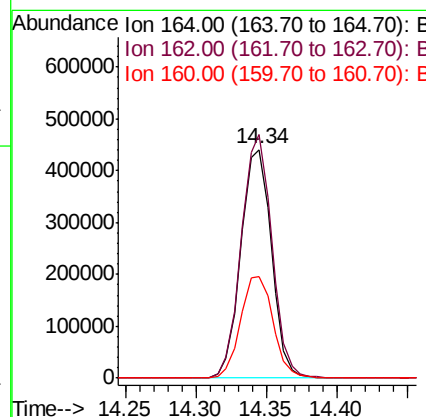
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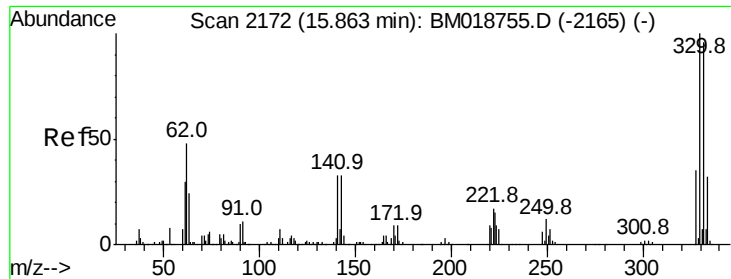
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.34 min Scan# 1914
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.4	125.0
160	44.6	36.6	55.0





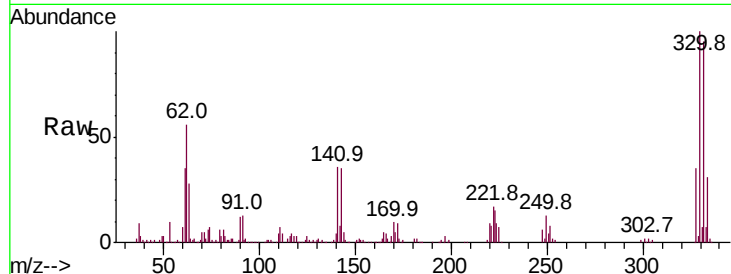
#42
 2,4,6-Tribromophenol
 Concen: 42.385 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-022519

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	36.2	28.7	43.1

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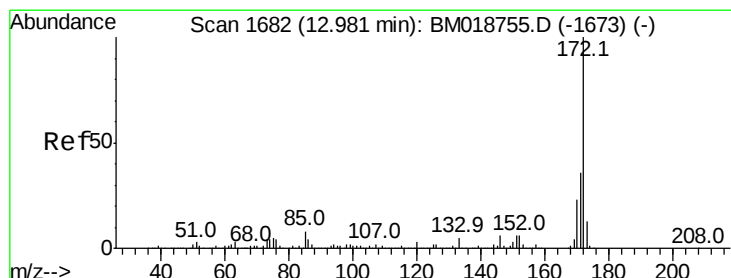
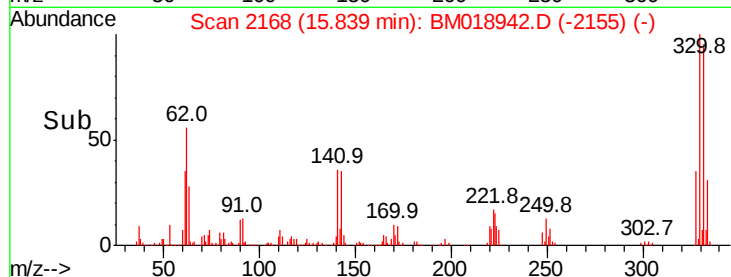
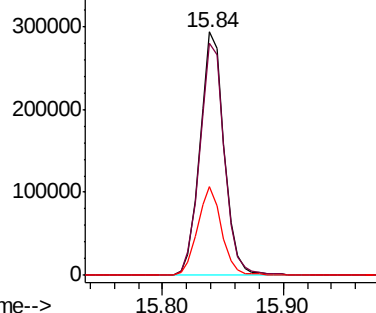


Abundance

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: 30.244 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.02 min
 Lab File: BM018942.D
 Acq: 26 Feb 2019 22:50

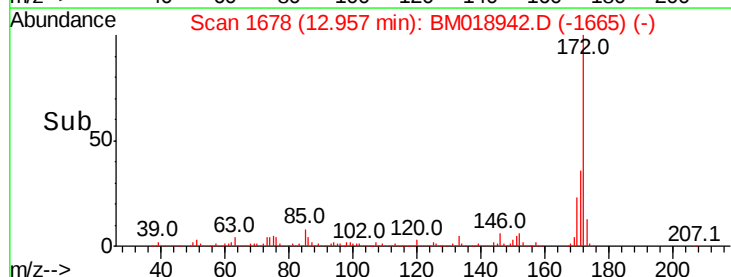
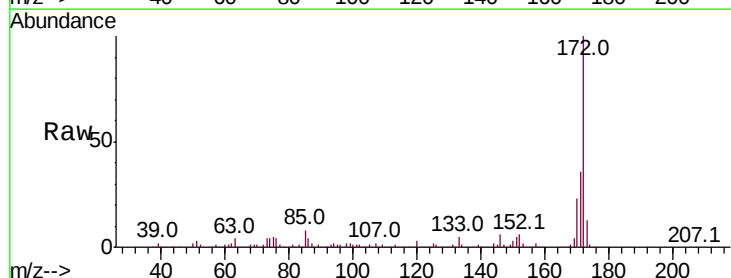
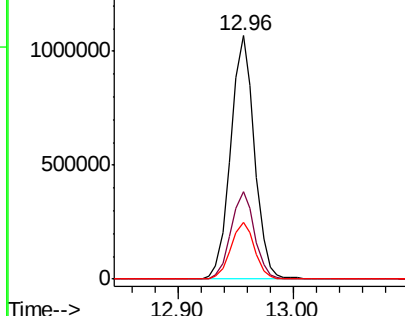
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.1	18.6	28.0

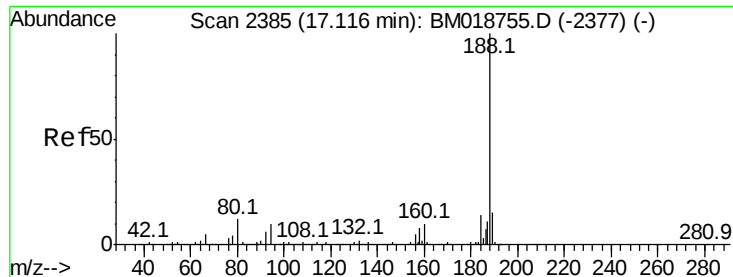
Abundance

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: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

Tot Ion:188 Resp: 1314795

Ion Ratio Lower Upper

188 100

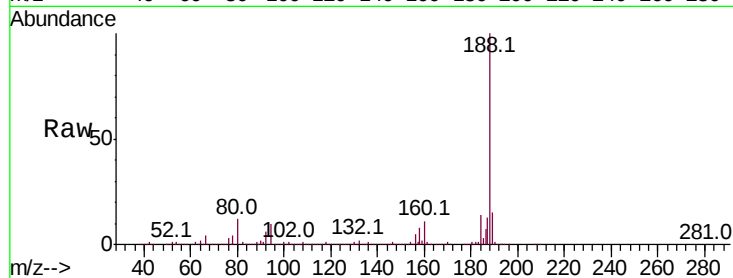
94 9.8 8.2 12.2

80 12.2 9.7 14.5

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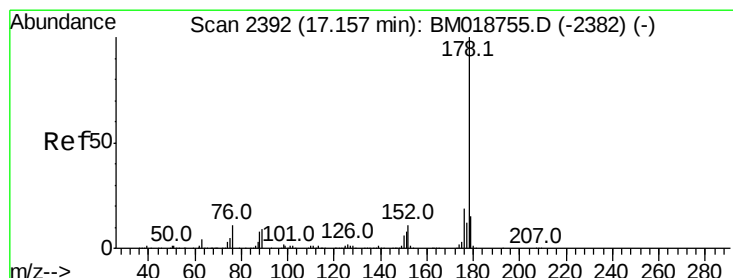
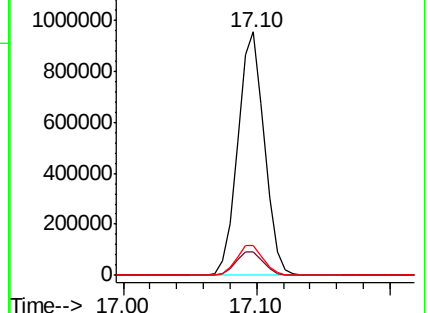
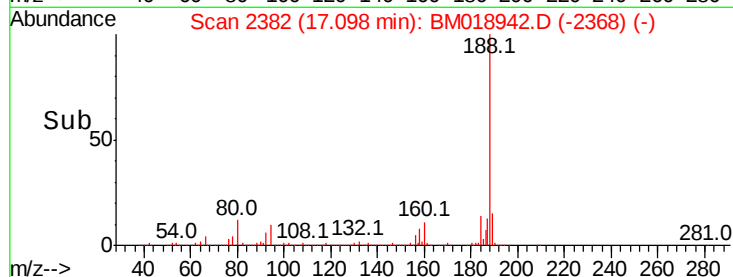
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 4.717 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

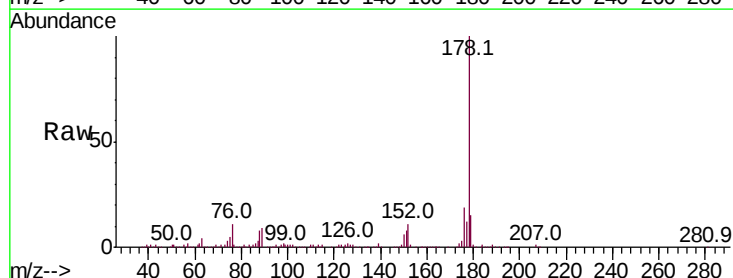
Tgt Ion:178 Resp: 333329

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

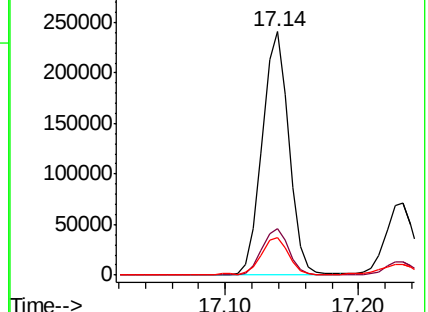
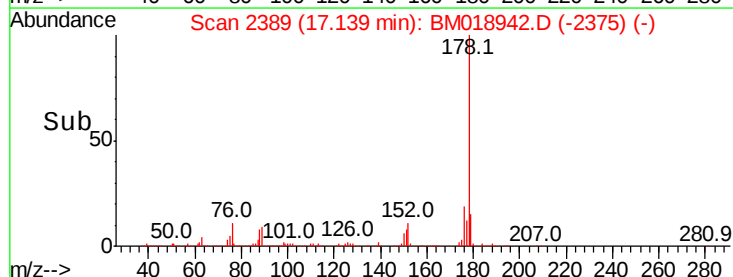
179 15.2 12.3 18.5

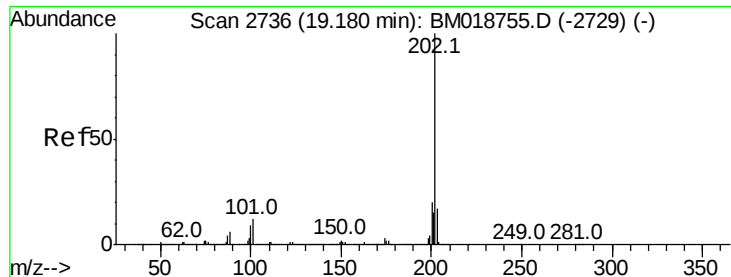


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.108 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

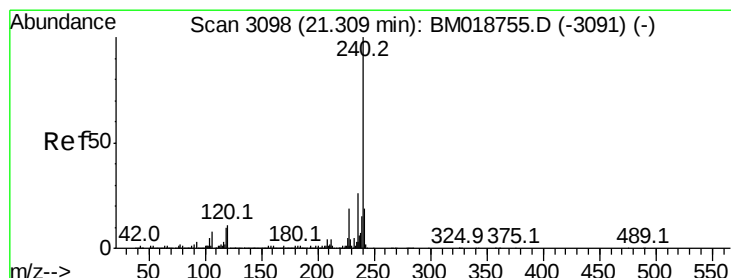
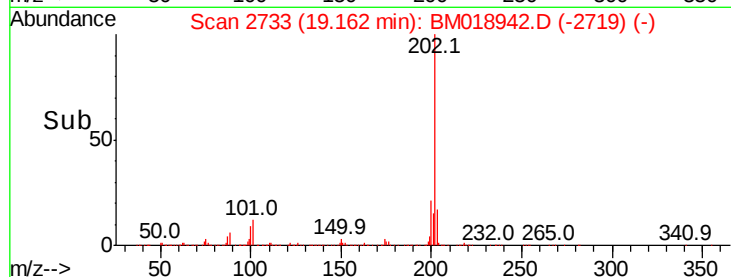
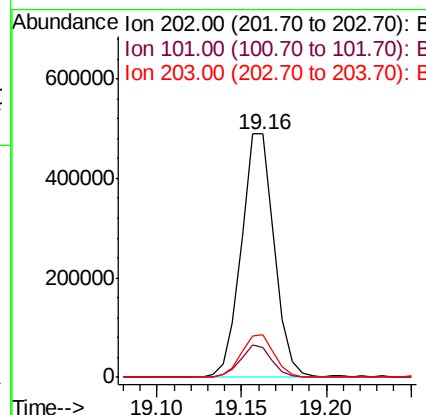
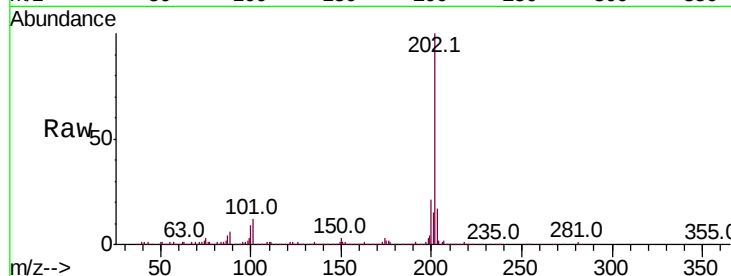
ClientSampleId :

OK-02-022519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	661787		
101	12.3	0.0	31.5	
203	17.5	0.0	37.3	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

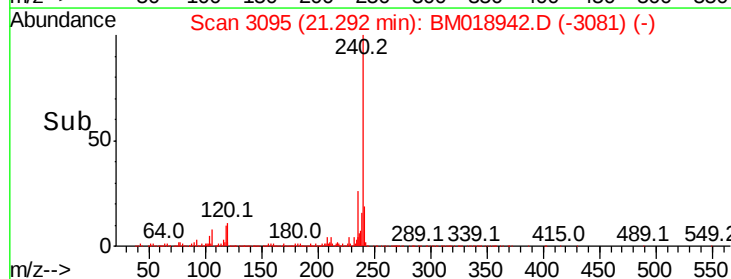
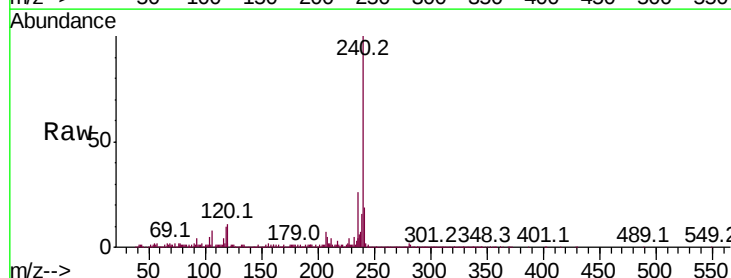
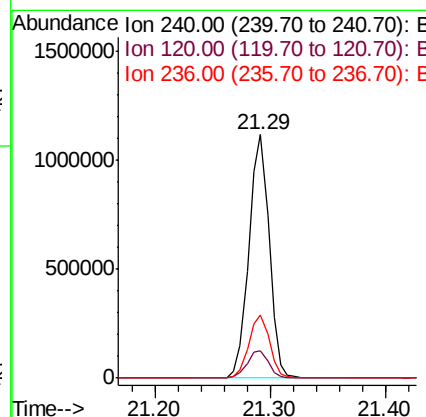
RT: 21.29 min Scan# 3095

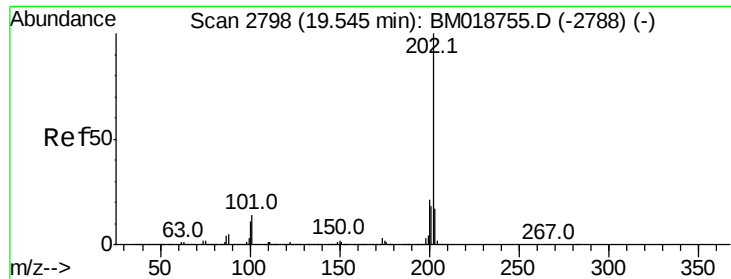
Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1358218		
120	11.1	8.9	13.3	
236	26.0	20.9	31.3	





#78

Pvrene

Concen: 7.585 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

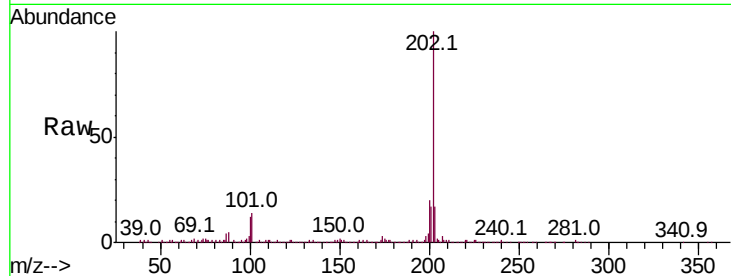
ClientSampleId :

OK-02-022519

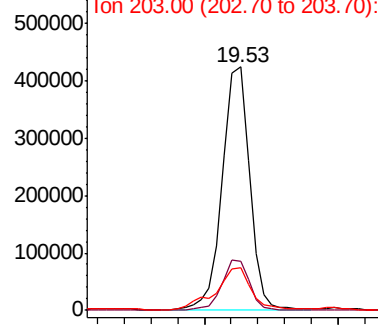
Tot Ion:	202	Resp:	598366
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.9	25.3
203	17.3	13.8	20.8

Manual Integrations
APPROVED

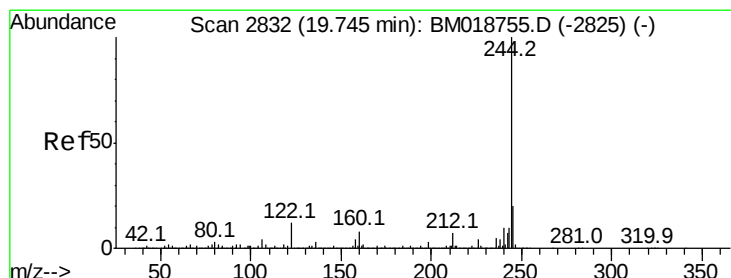
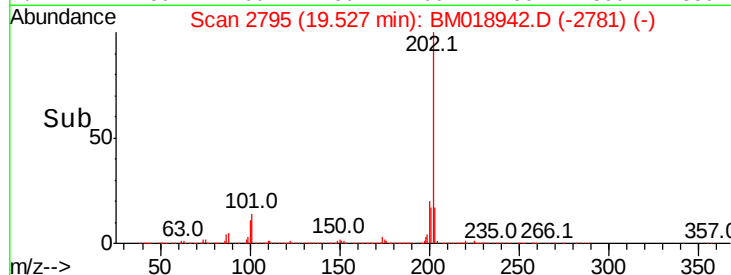
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 25.685 ng

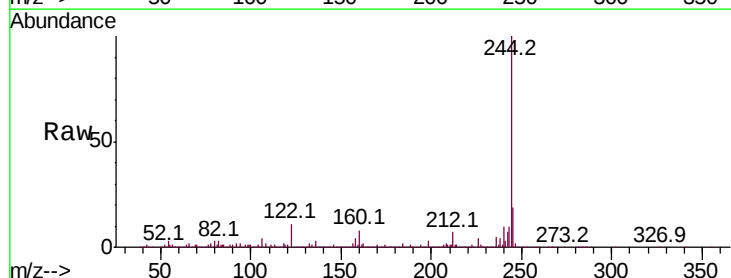
RT: 19.73 min Scan# 2829

Delta R.T. -0.02 min

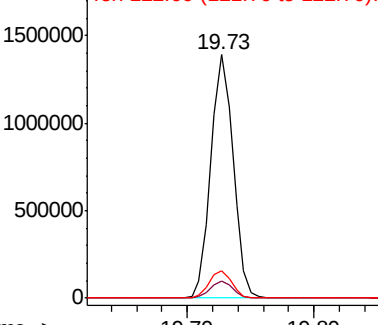
Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

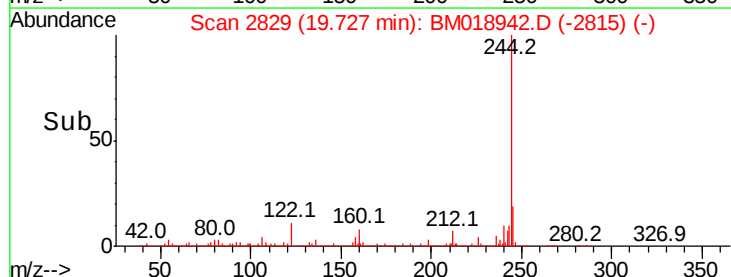
Tgt Ion:	244	Resp:	1691100
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	11.3	9.3	13.9

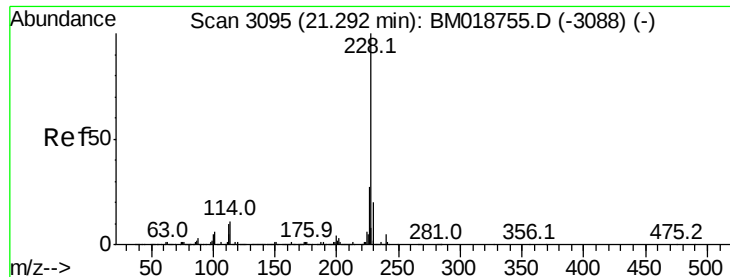


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 4.215 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

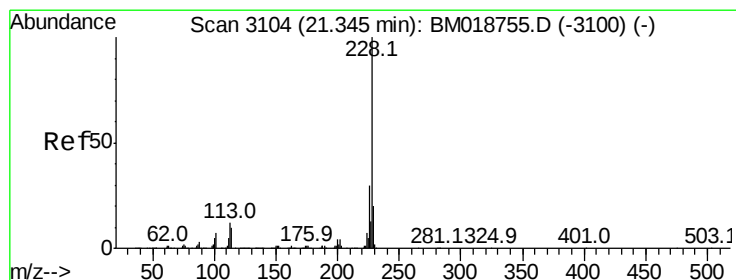
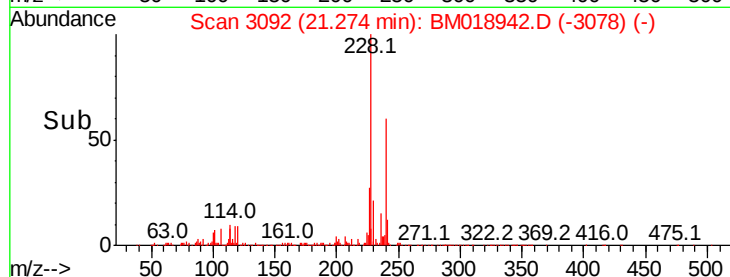
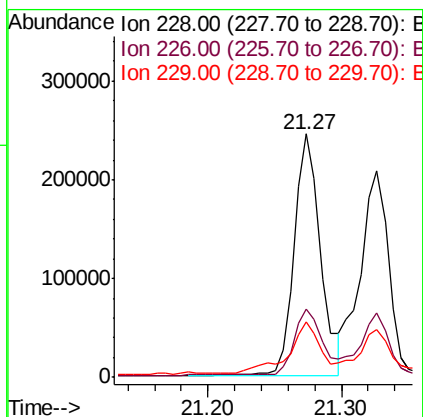
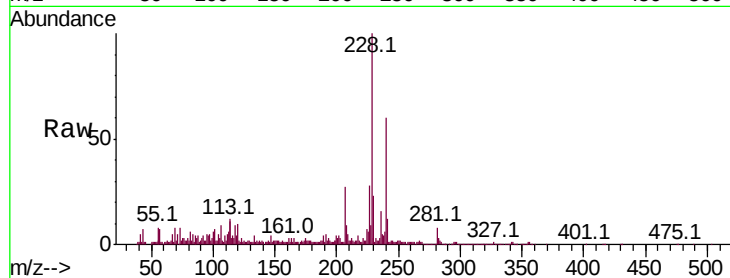
ClientSampleId :

OK-02-022519

Tot Ion:	228	Resp:	333733
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.9	32.9
229	22.8	15.9	23.9

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#83

Chrysene

Concen: 3.978 ng

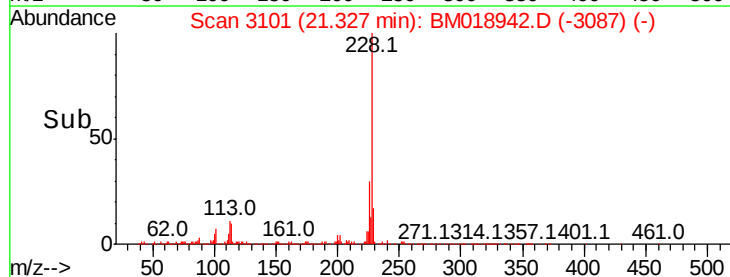
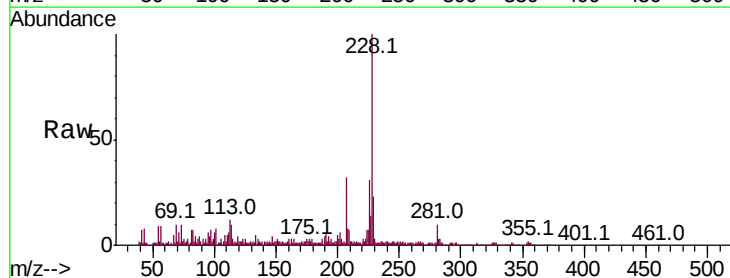
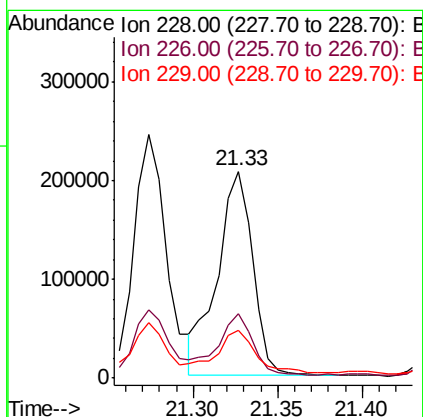
RT: 21.33 min Scan# 3101

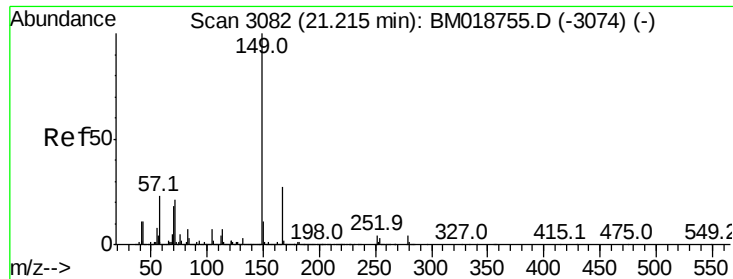
Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Tgt Ion:	228	Resp:	301890
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.1	36.1
229	23.2	16.0	24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.140 ng

RT: 21.20 min Scan# 3079

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

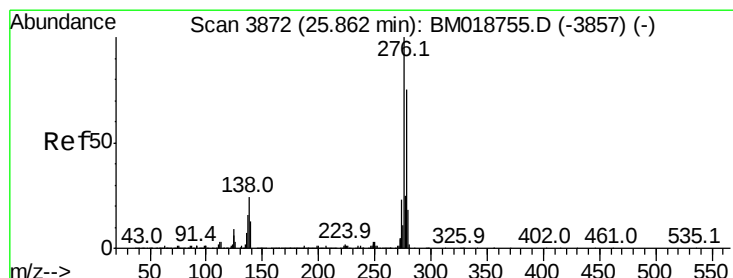
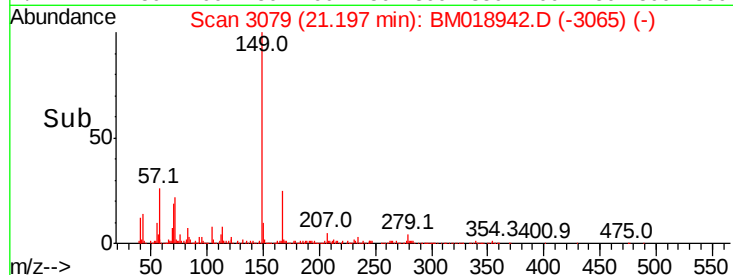
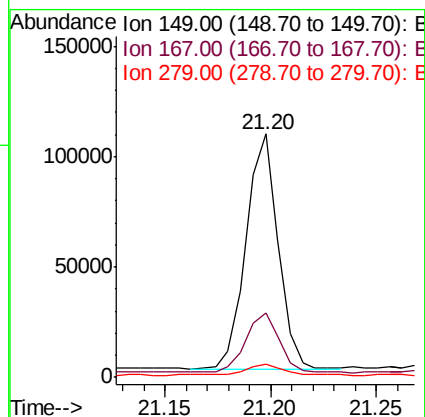
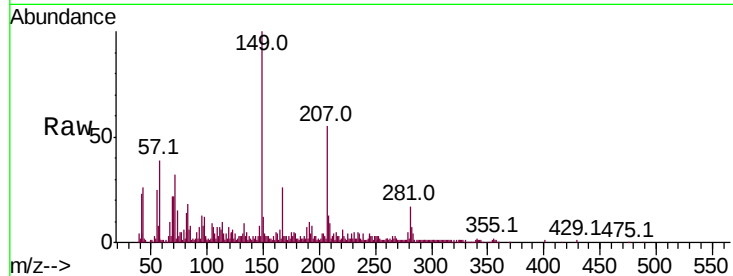
ClientSampled :

OK-02-022519

Tot Ion:	149	Resp:	112589
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.8	32.6
279	5.3	3.6	5.4

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.685 ng

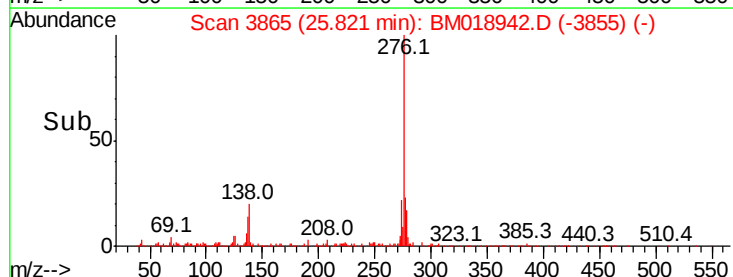
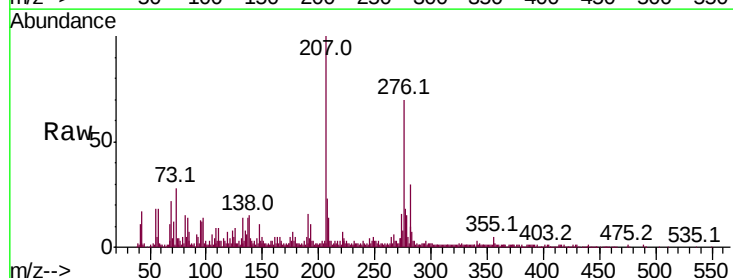
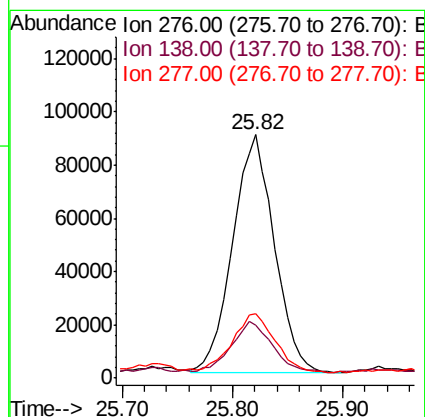
RT: 25.82 min Scan# 3865

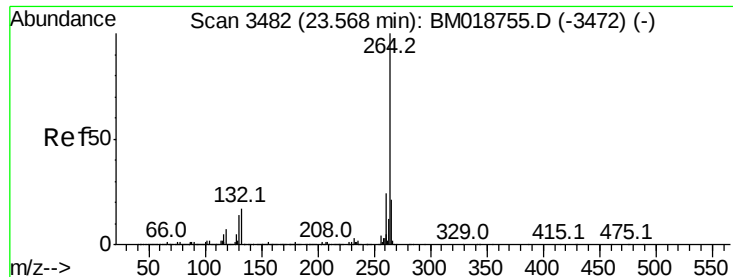
Delta R.T. -0.04 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Tgt Ion:	276	Resp:	235286
Ion Ratio	Lower	Upper	
276	100		
138	21.2	20.2	30.4
277	25.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampled :

OK-02-022519

Tot Ion:264 Resp: 1500252

Ion Ratio Lower Upper

264 100

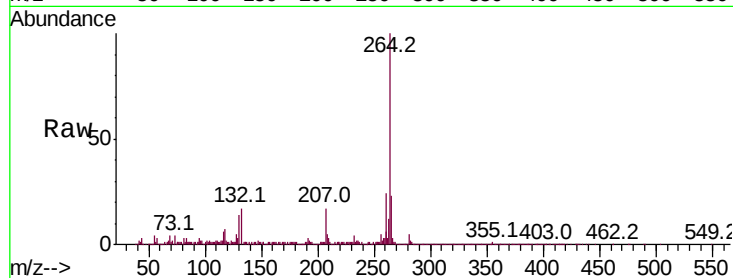
260 23.7 18.9 28.3

265 22.5 17.3 25.9

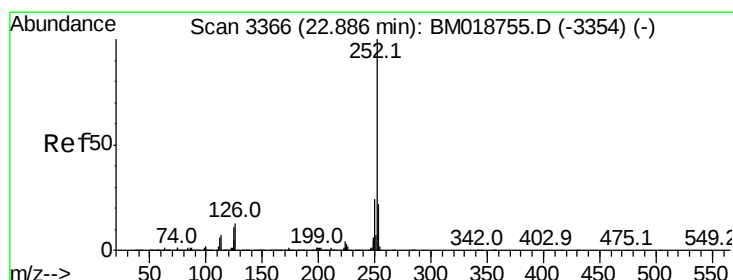
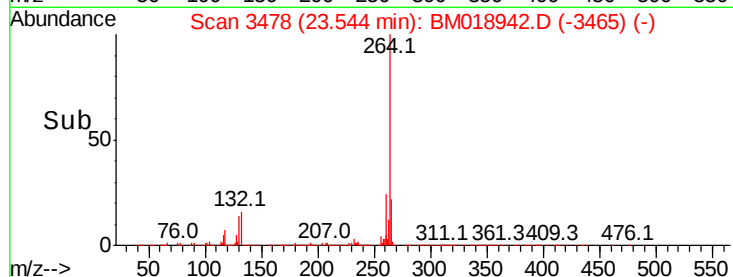
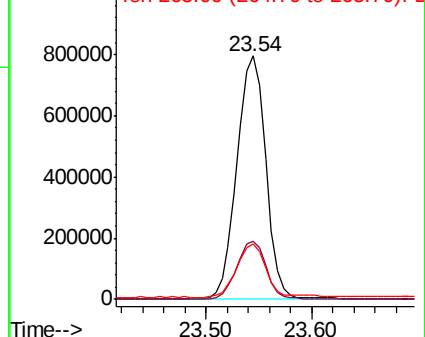
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.172 ng m

RT: 22.86 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

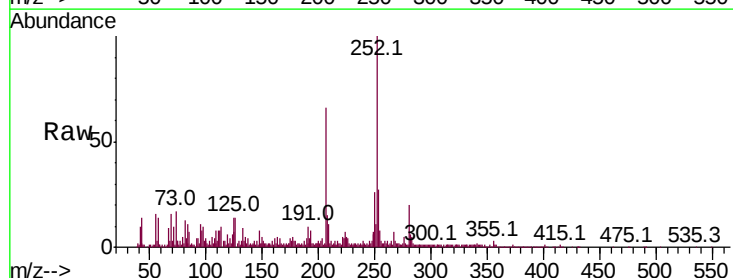
Tgt Ion:252 Resp: 443923

Ion Ratio Lower Upper

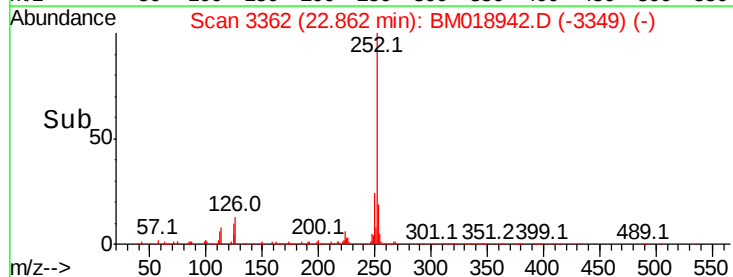
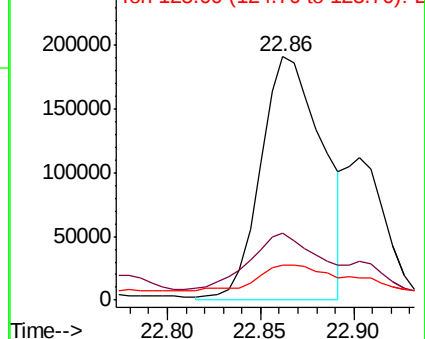
252 100

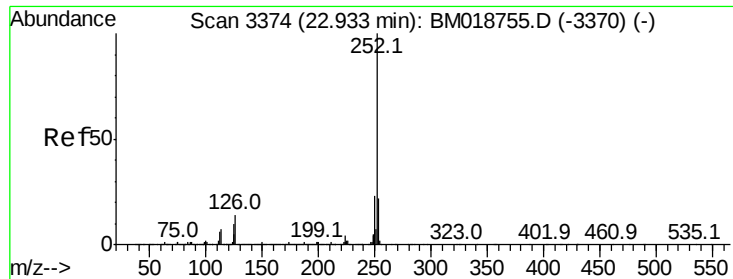
253 27.3 17.8 26.6#

125 14.1 8.6 12.8#



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





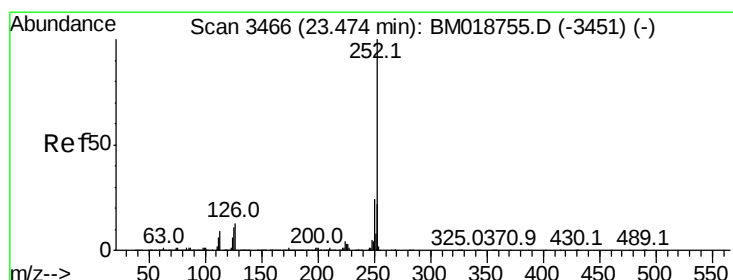
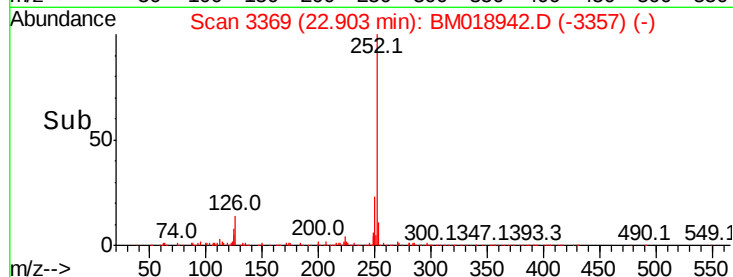
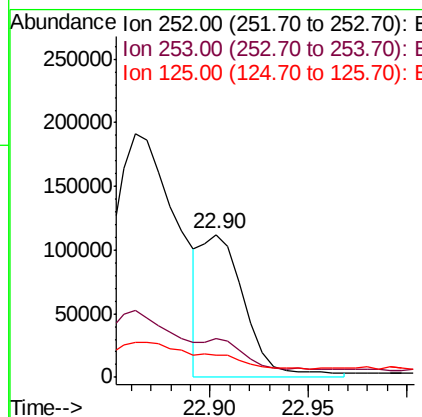
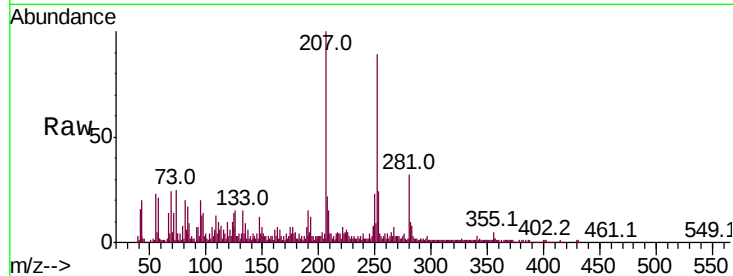
#89
Benzo(k)fluoranthene
Concen: 2.024 ng m
RT: 22.90 min Scan# 3369
Delta R.T. -0.03 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Instrument :
BNA_M
ClientSampleId :
OK-02-022519

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.7	26.5#
125	15.6	8.2	12.4#

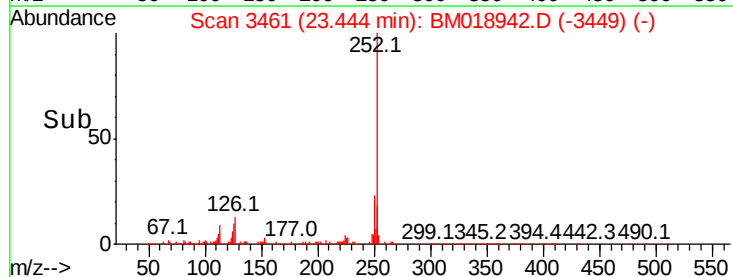
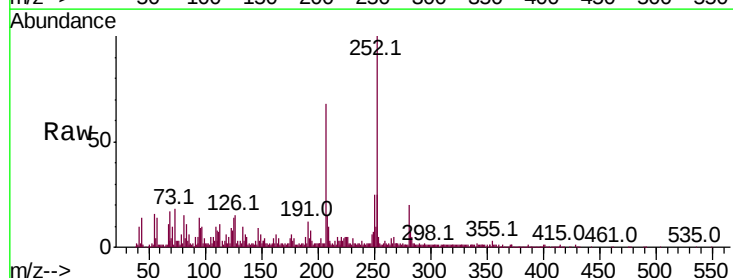
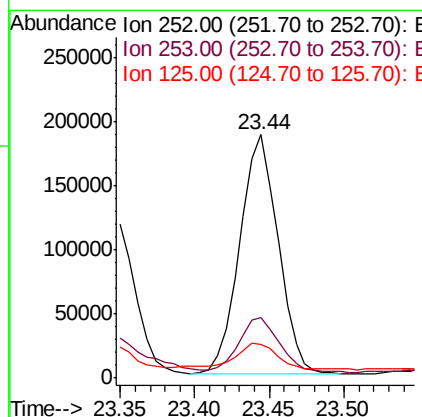
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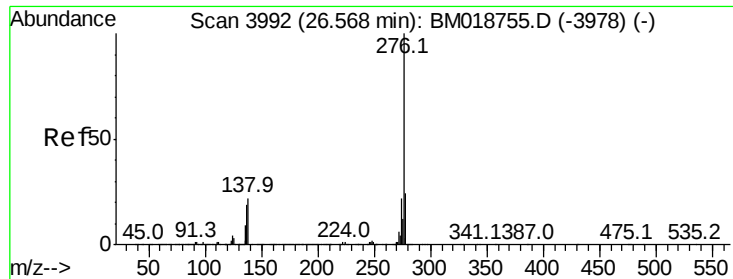
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#90
Benzo(a)pyrene
Concen: 4.095 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018942.D
Acq: 26 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	13.8	8.6	13.0#





#92

Benzo(a,h,i)perylene

Concen: 3.223 ng

RT: 26.53 min Scan# 3985

Delta R.T. -0.04 min

Lab File: BM018942.D

Acq: 26 Feb 2019 22:50

Instrument :

BNA_M

ClientSampleId :

OK-02-022519

Tot Ion:	276	Resp:	241708
Ion Ratio	Lower	Upper	
276	100		
277	26.3	19.2	28.8
138	23.4	17.3	25.9

Manual Integrations
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