

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
 Data File : BM018943.D
 Acq On : 26 Feb 2019 23:27
 Operator : JU/SJ
 Sample : K1597-03DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

Manual Integrations
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Quant Time: Feb 27 01:08:46 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	327275	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1236894	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	568601	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1049134	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1083427	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1221321	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	185362	9.28	ng	-0.02
7) Phenol-d6	6.87	99	253867	9.02	ng	-0.02
23) Nitrobenzene-d5	8.86	82	158454	5.92	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	54803	6.69	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	258571	6.04	ng	-0.02
79) Terphenyl-d14	19.73	244	302254	5.76	ng	-0.02
Target Compounds						
31) Naphthalene	10.53	128	169869	2.816	ng	99
49) Acenaphthylene	14.06	152	276490	4.912	ng	99
58) Fluorene	15.40	166	236456	5.448	ng	99
71) Phenanthrene	17.14	178	2552191	45.266	ng	100
72) Anthracene	17.23	178	501184	9.133	ng	100
75) Fluoranthene	19.16	202	1462432	22.455	ng	99
78) Pyrene	19.53	202	2284438	36.305	ng	100
81) Benzo(a)anthracene	21.27	228	856054	13.555	ng	96
83) Chrysene	21.33	228	771966	12.753	ng	99
86) Indeno(1,2,3-cd)pyrene	25.81	276	363126	5.196	ng	95
88) Benzo(b)fluoranthene	22.86	252	717501m	10.268	ng	
89) Benzo(k)fluoranthene	22.89	252	250518m	3.601	ng	
90) Benzo(a)pyrene	23.44	252	685108	10.350	ng	98
92) Benzo(a,h,i)perylene	26.52	276	397071	6.503	ng	99

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

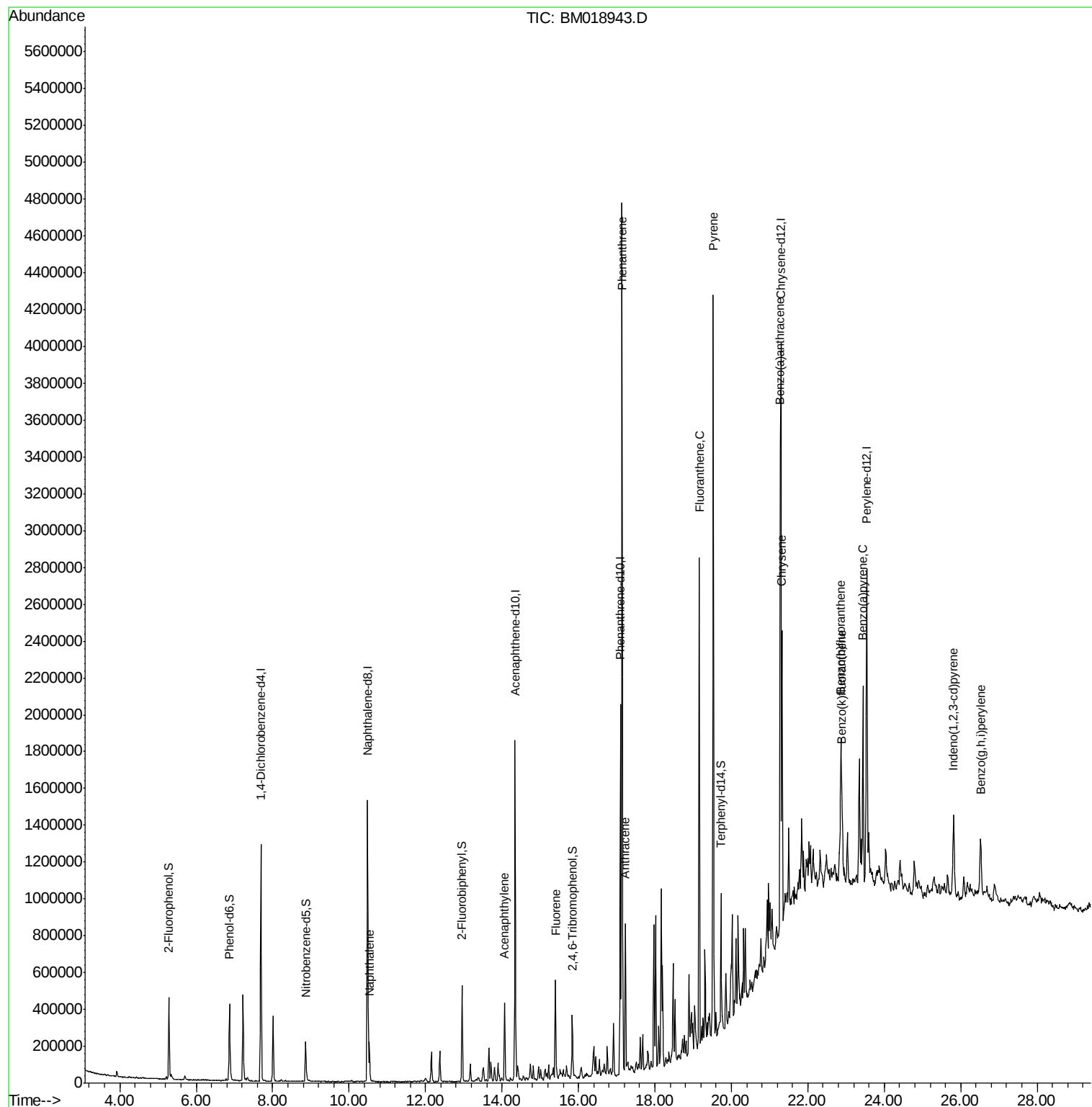
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018943.D
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ALS Vial : 17 Sample Multiplier: 1

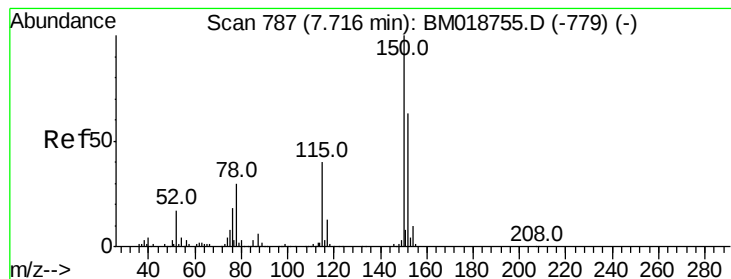
Instrument :
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ClientSampleId :
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Quant Time: Feb 27 01:08:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
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#1

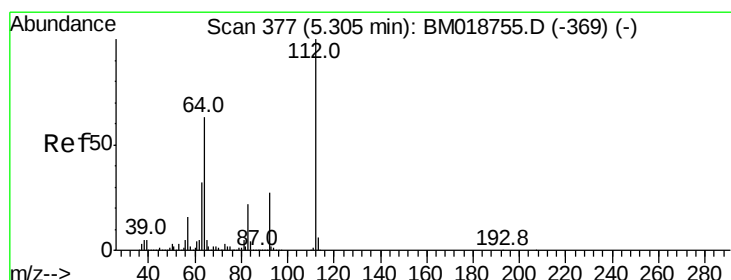
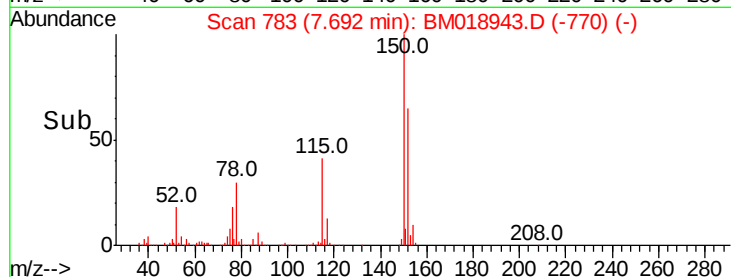
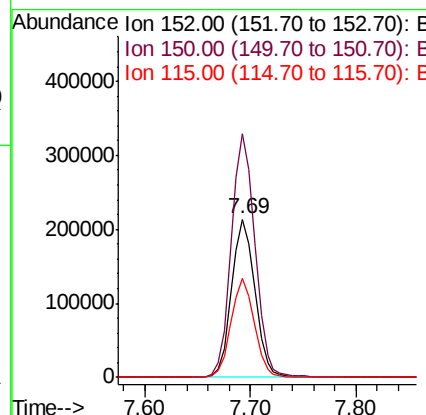
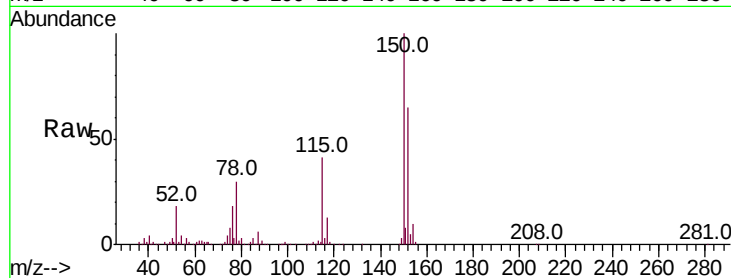
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampled :
TP-26DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	127.3	190.9
115	62.8	50.8	76.2

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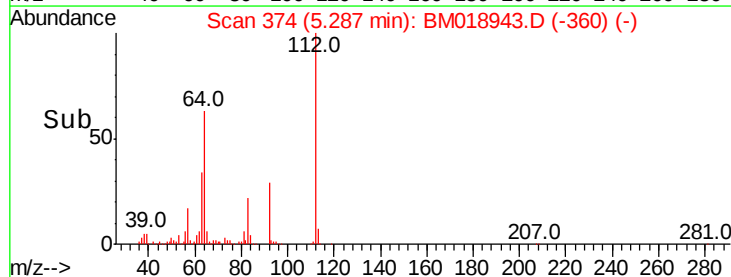
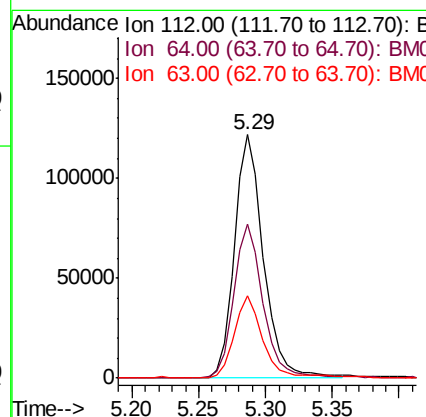
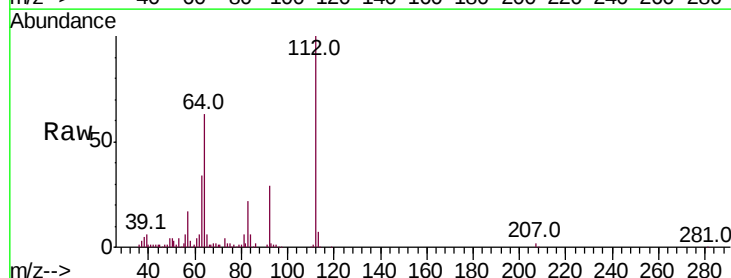
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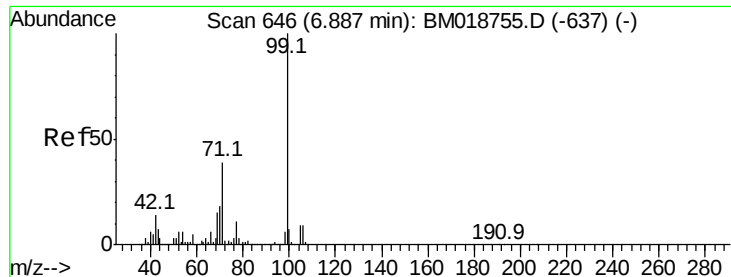


#5

2-Fluorophenol
Concen: 9.280 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	50.6	75.8
63	33.6	25.7	38.5





#7

Phenol-d6

Concen: 9.022 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

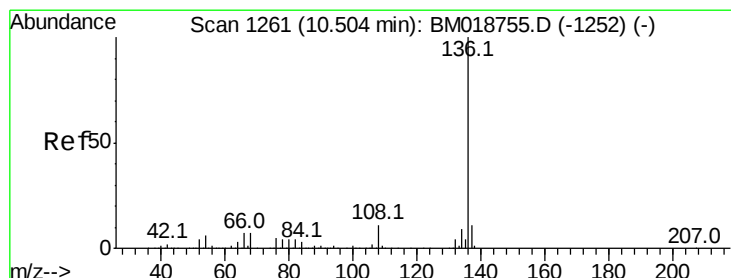
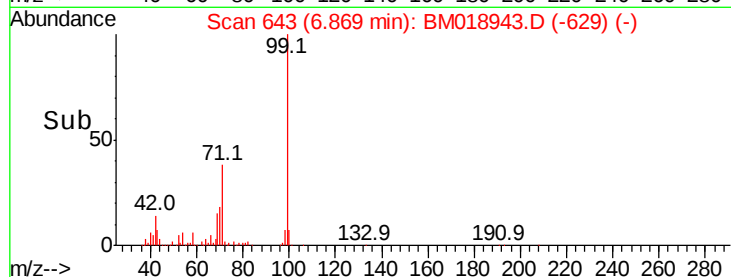
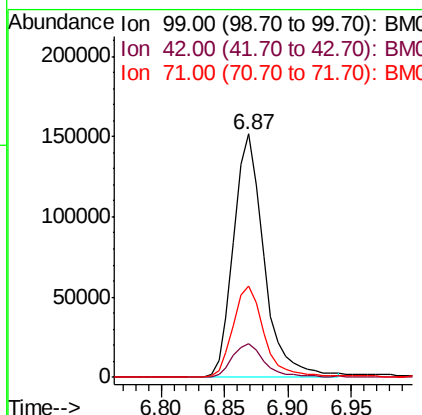
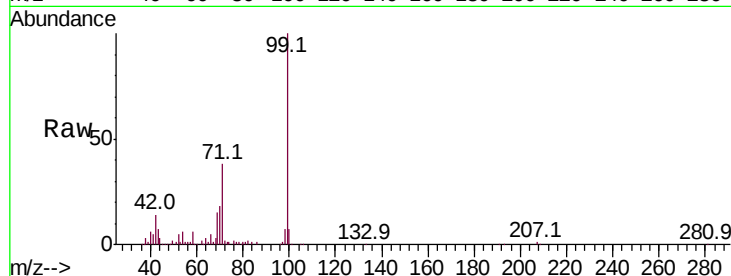
ClientSampleId :

TP-26DL

Tot Ion:	99	Resp:	253867
Ion Ratio	Lower	Upper	
99	100		
42	13.8	11.0	16.6
71	37.7	31.3	46.9

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#21

Naphthalene-d8

Concen: 20.000 ng

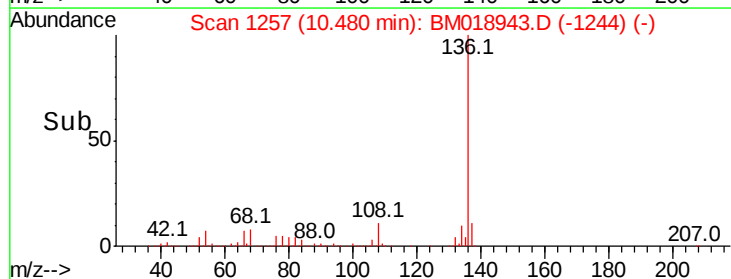
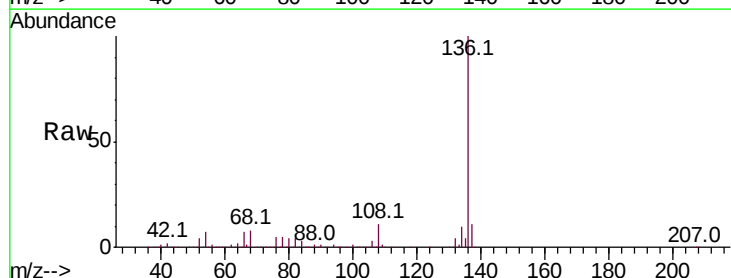
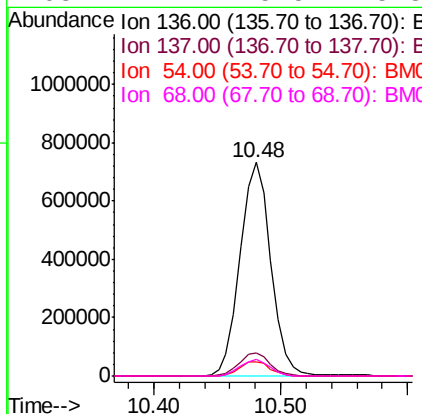
RT: 10.48 min Scan# 1257

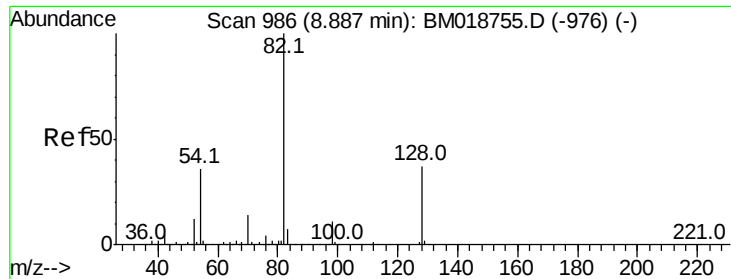
Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Tgt Ion:	136	Resp:	1236894
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	6.9	5.0	7.6
68	7.7	5.5	8.3





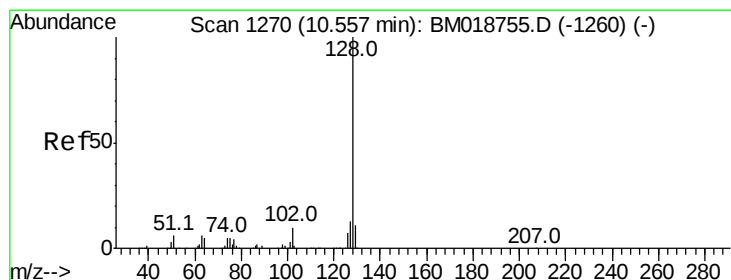
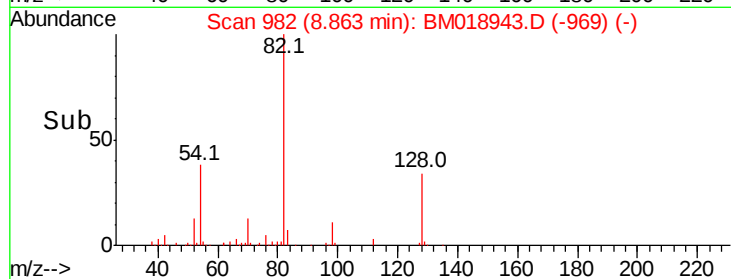
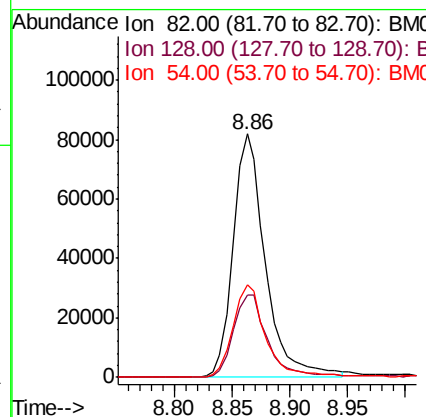
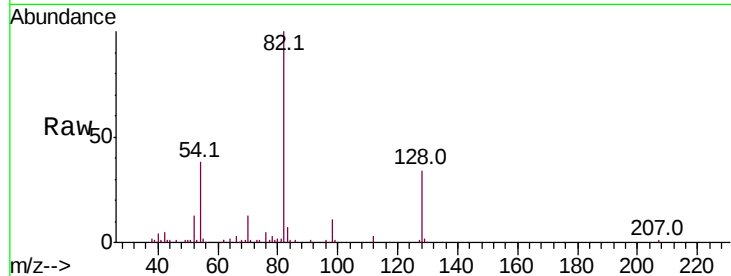
#23
Nitrobenzene-d5
Concen: 5.923 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampled :
TP-26DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.0	29.9	44.9	
54	38.3	29.1	43.7	

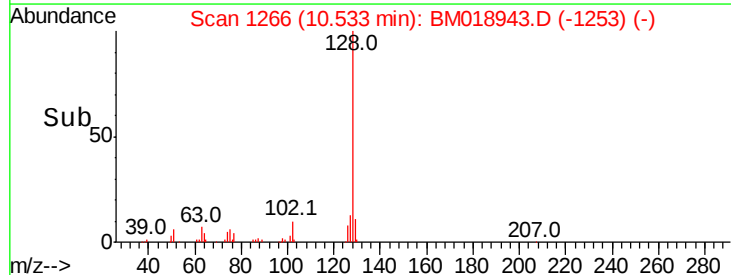
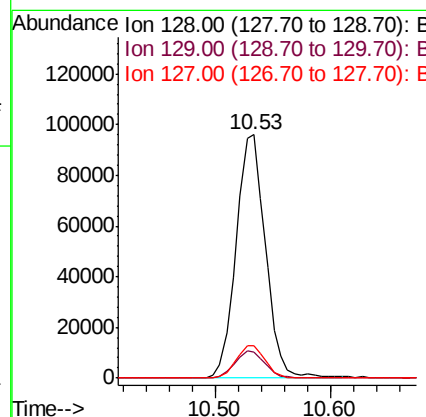
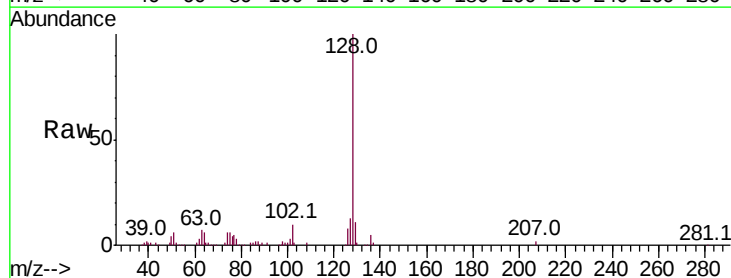
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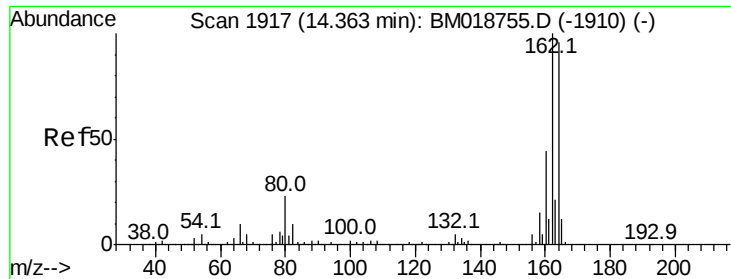
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#31
Naphthalene
Concen: 2.816 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.6	9.0	13.4	
127	13.3	10.7	16.1	





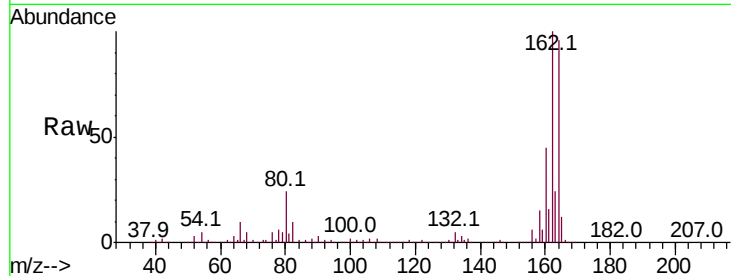
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampled :
TP-26DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	83.4	125.0	
160	46.5	36.6	55.0	

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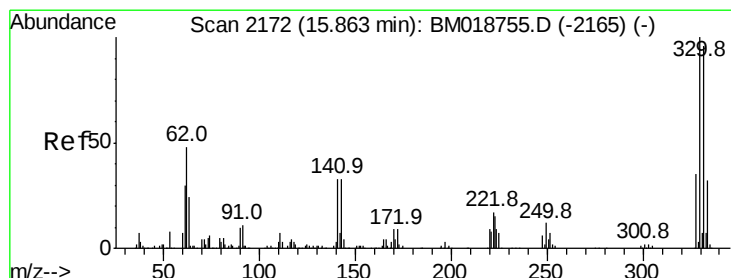
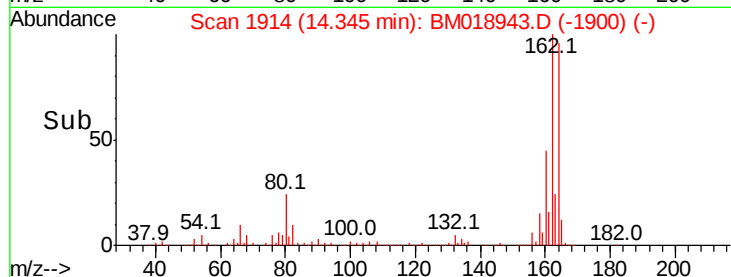
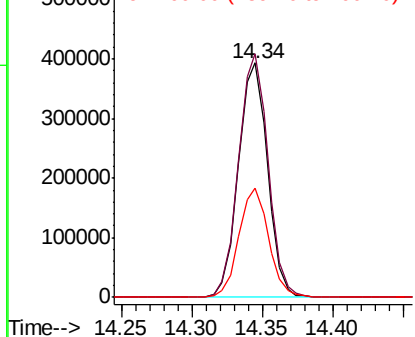


Abundance

Ion 164.00 (163.70 to 164.70): E

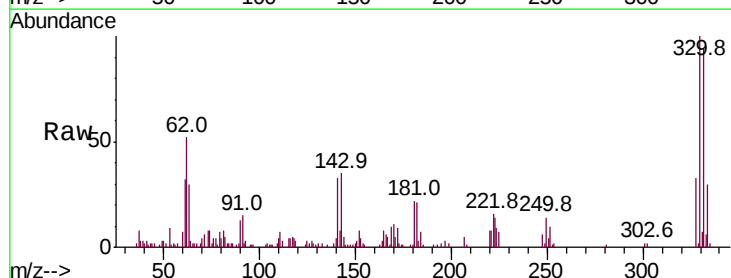
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 6.686 ng
RT: 15.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	76.9	115.3	
141	36.7	28.7	43.1	

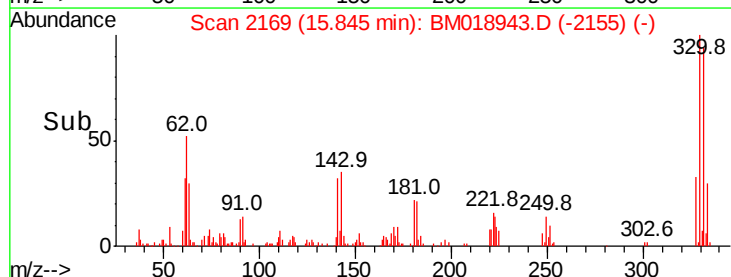
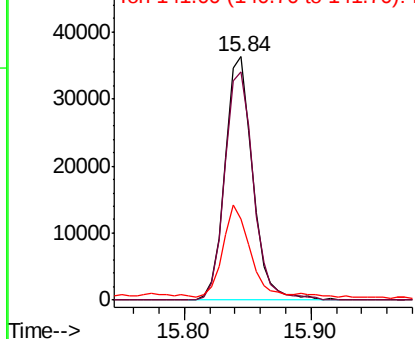


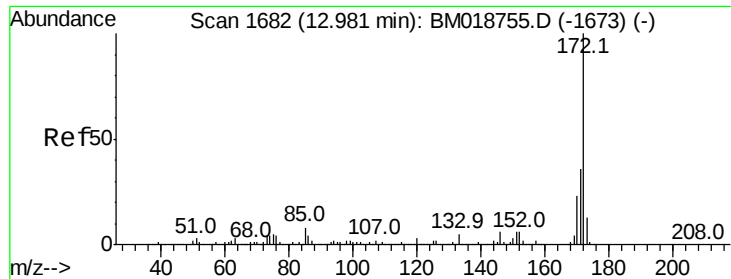
Abundance

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





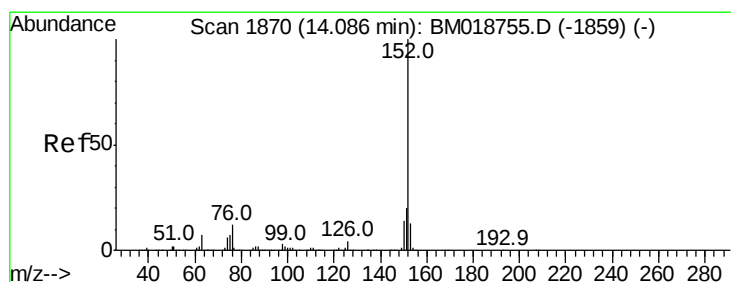
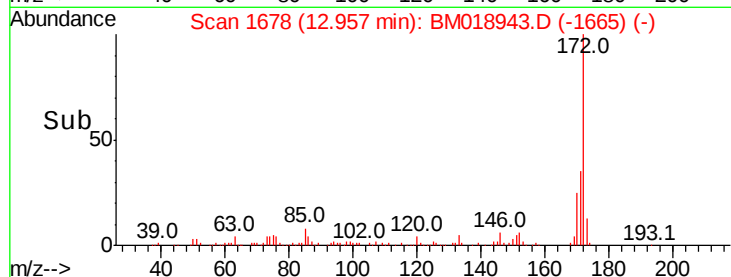
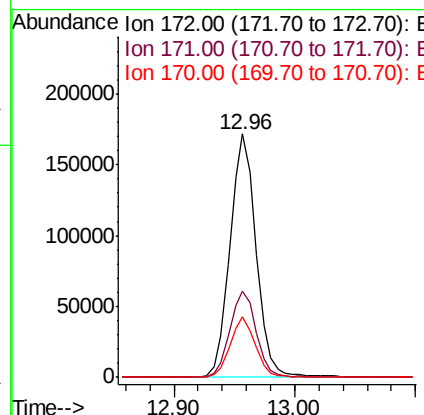
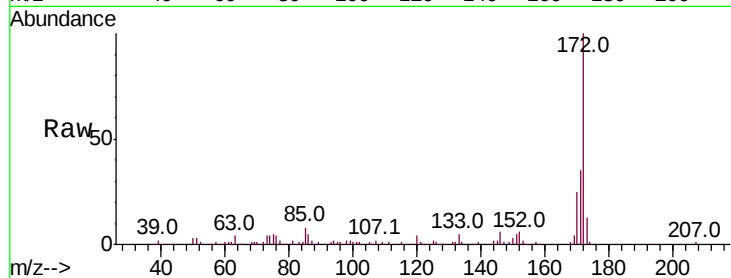
#45
2-Fluorobiphenyl
Concen: 6.037 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampleId :
TP-26DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	258571		
171	35.5		29.0	43.6
170	24.8		18.6	28.0

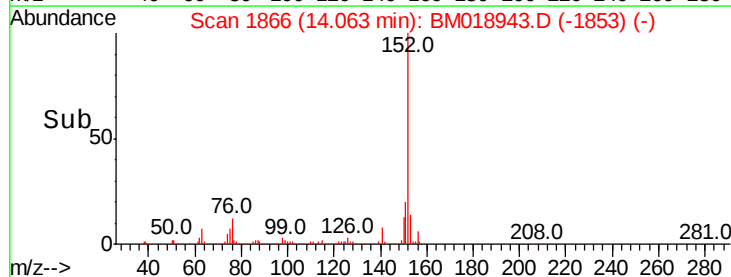
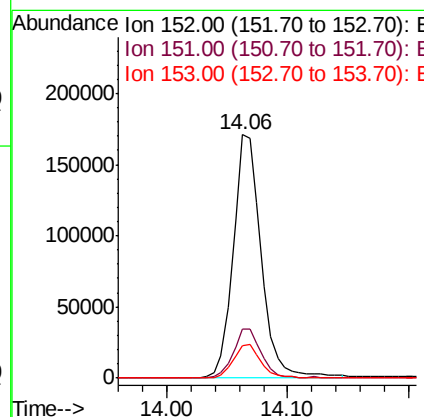
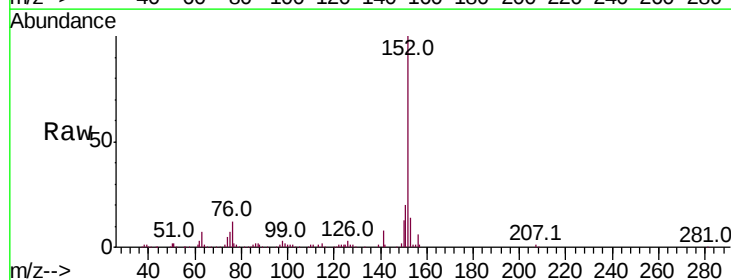
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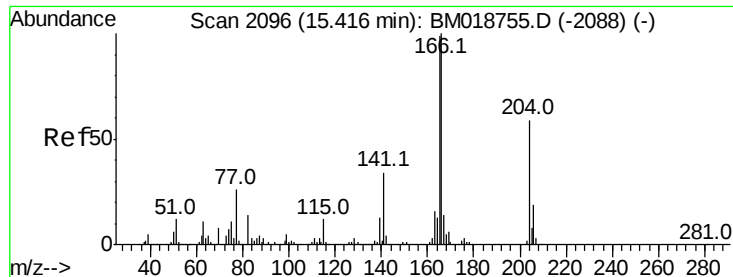
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#49
Acenaphthylene
Concen: 4.912 ng
RT: 14.06 min Scan# 1866
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	276490		
151	20.0		15.8	23.8
153	13.6		10.5	15.7





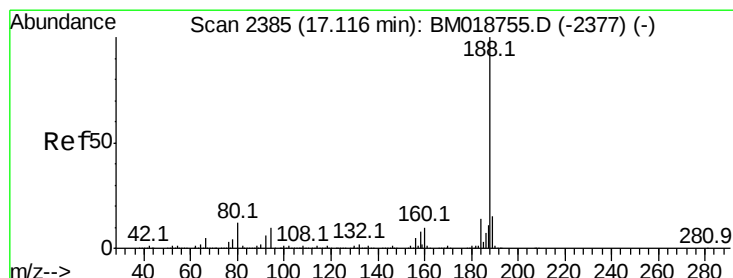
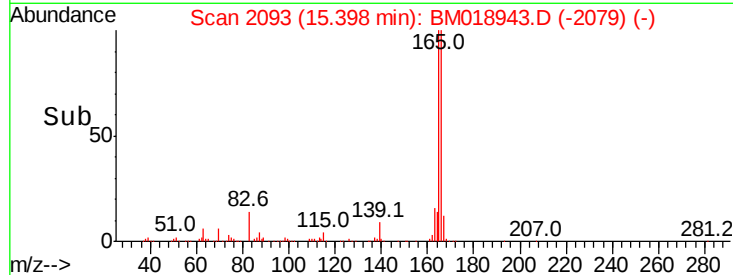
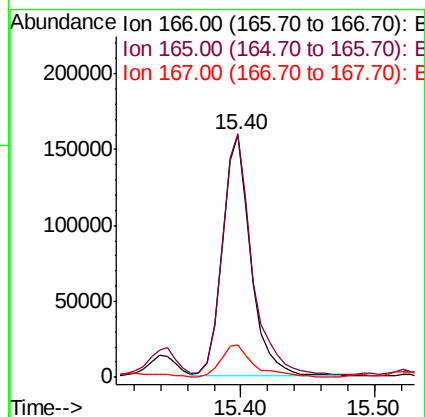
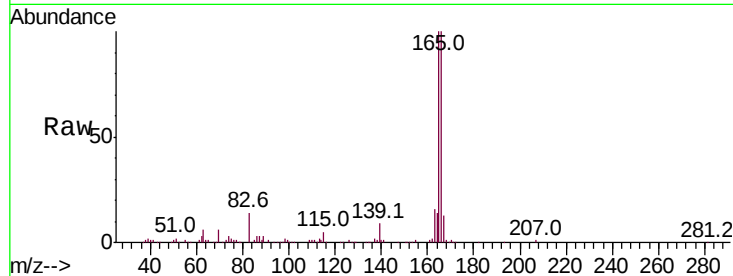
#58
 Fluorene
 Concen: 5.448 ng
 RT: 15.40 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	236456		
165	100.4	79.1	118.7	
167	13.2	11.0	16.4	

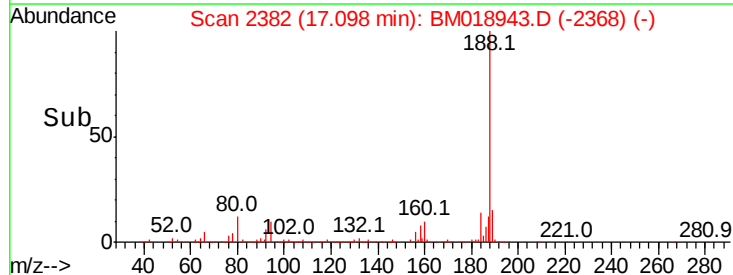
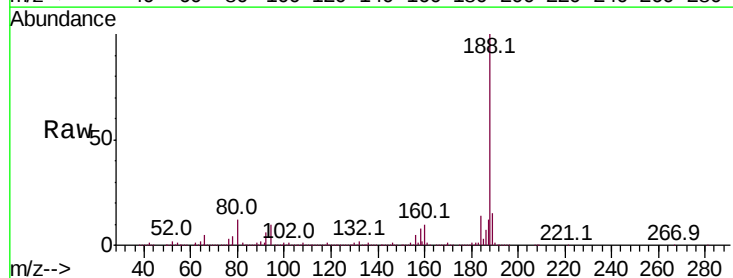
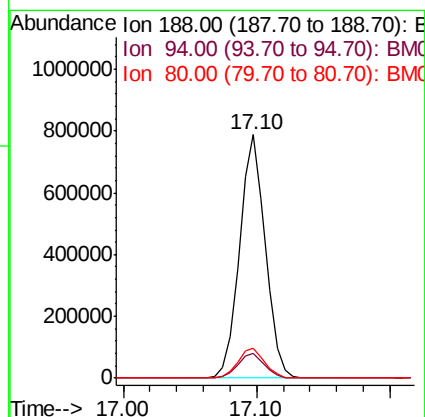
Manual Integrations
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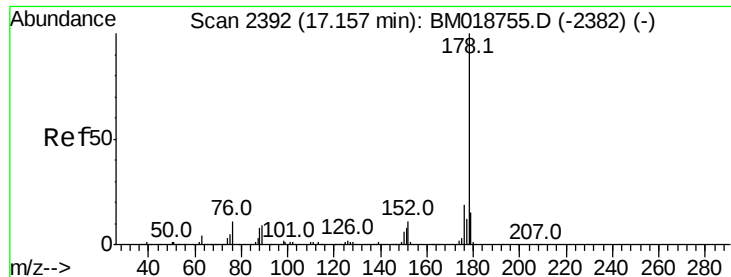
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.10 min Scan# 2382
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1049134		
94	10.1	8.2	12.2	
80	12.3	9.7	14.5	





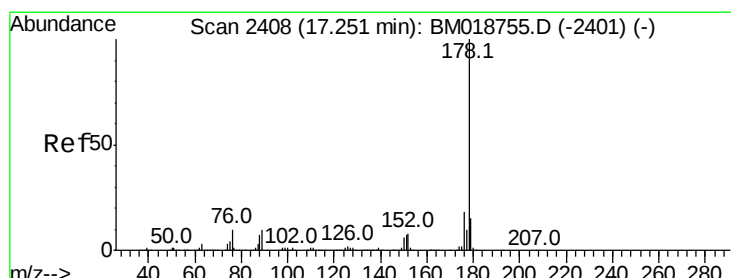
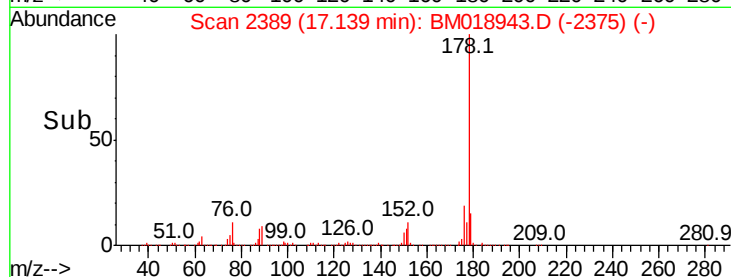
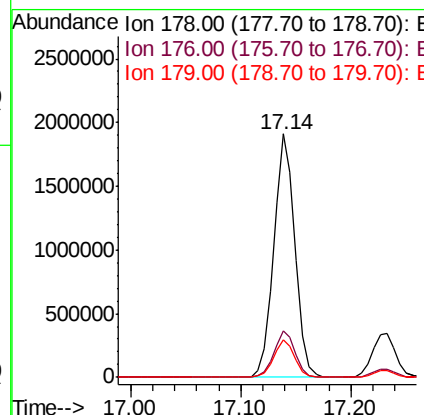
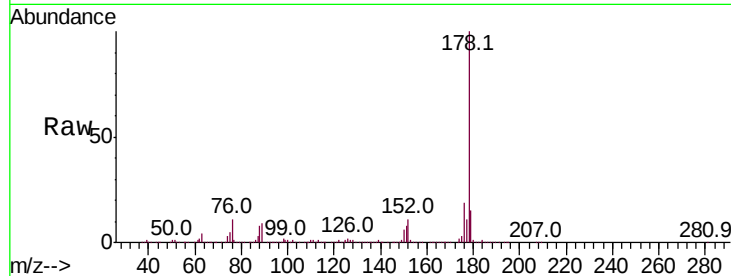
#71
Phenanthrene
Concen: 45.266 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampled :
TP-26DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.3	18.5

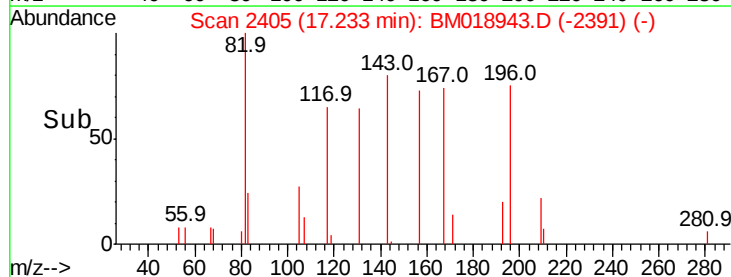
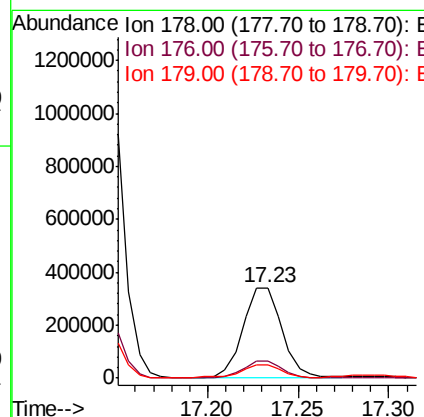
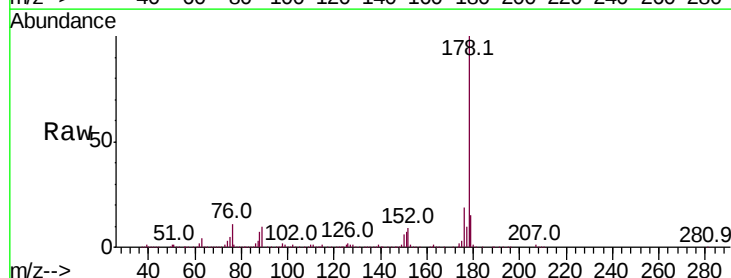
Manual Integrations
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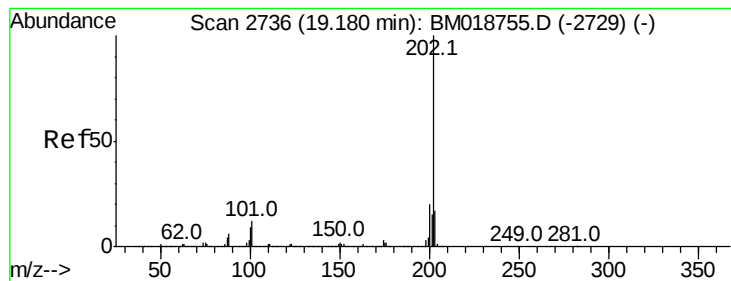
Sohil
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#72
Anthracene
Concen: 9.133 ng
RT: 17.23 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.1	12.1	18.1





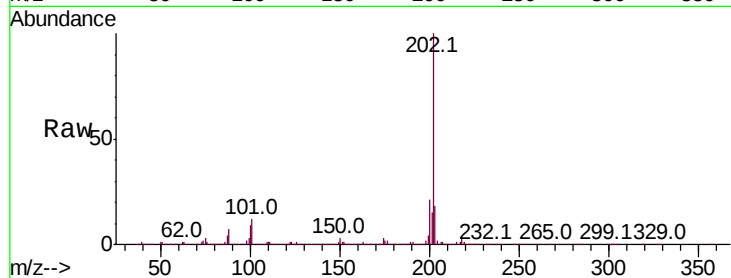
#75
 Fluoranthene
 Concen: 22.455 ng
 RT: 19.16 min Scan# 2733
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Instrument :
 BNA_M
 ClientSampled :
 TP-26DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1462432		
101	12.4	0.0	31.5	
203	17.6	0.0	37.3	

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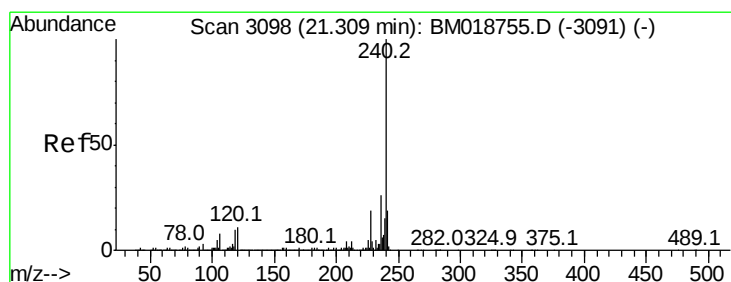
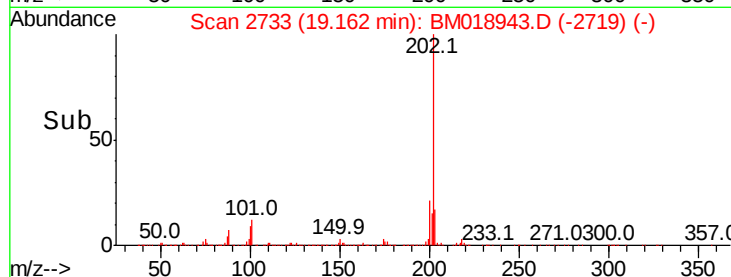
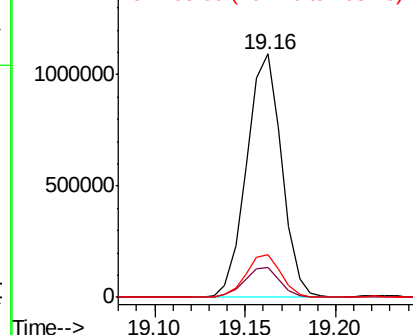


Abundance

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



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.29 min Scan# 3095
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

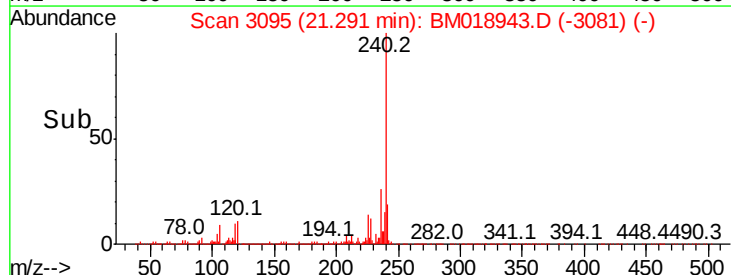
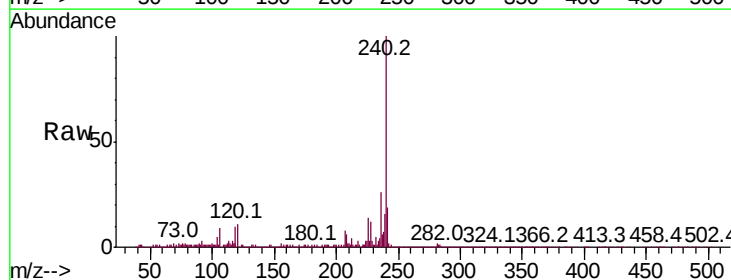
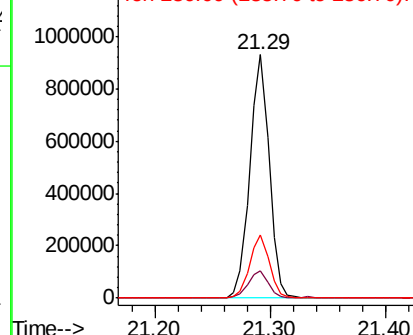
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1083427		
120	11.2	8.9	13.3	
236	26.2	20.9	31.3	

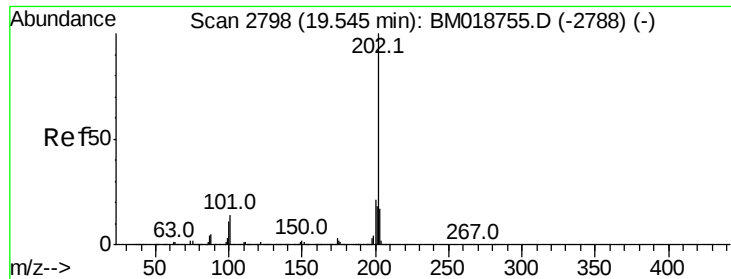
Abundance

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





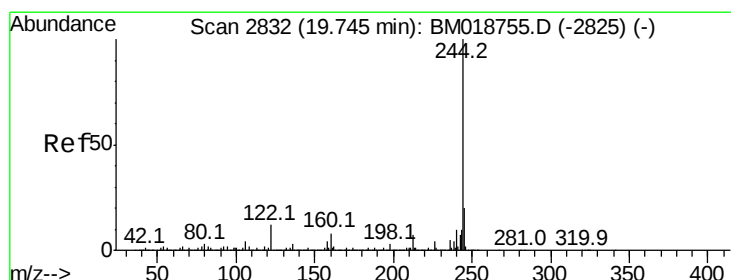
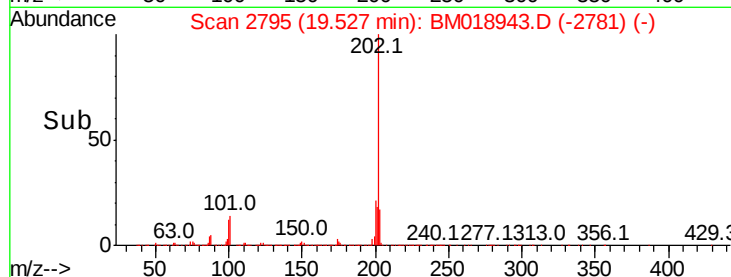
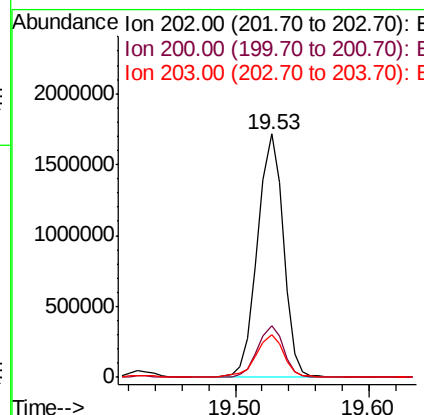
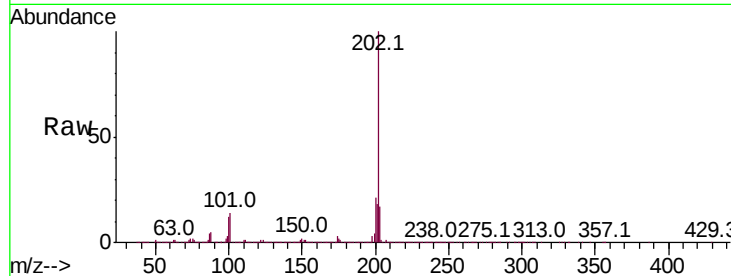
#78
Pvrene
Concen: 36.305 ng
RT: 19.53 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampleId :
TP-26DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.4	13.8	20.8

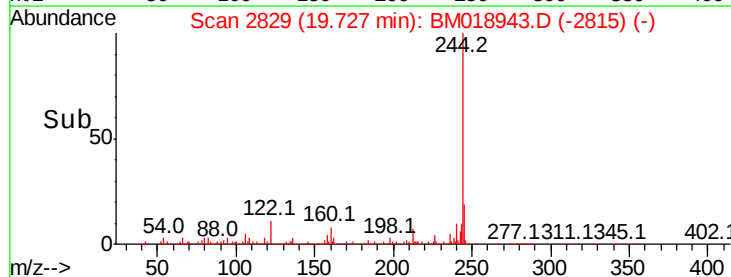
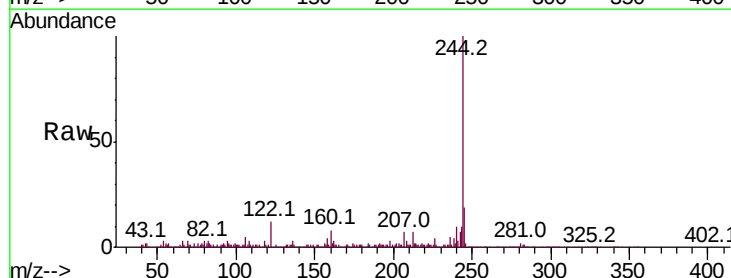
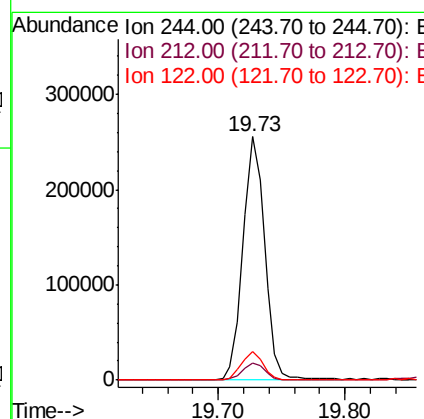
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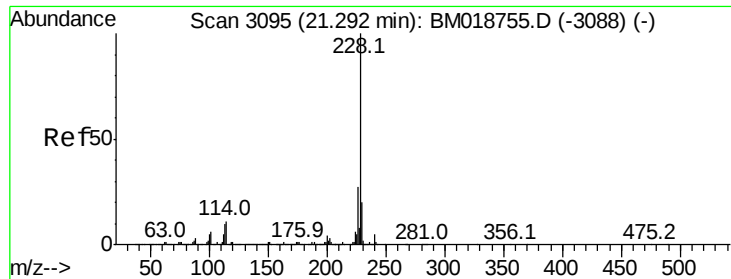
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#79
Terphenyl-d14
Concen: 5.755 ng
RT: 19.73 min Scan# 2829
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.5	9.3	13.9





#81

Benzo(a)anthracene

Concen: 13.555 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

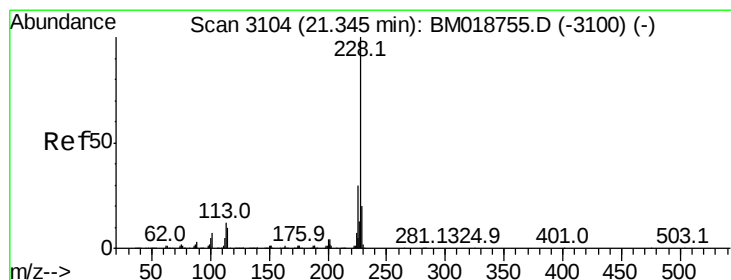
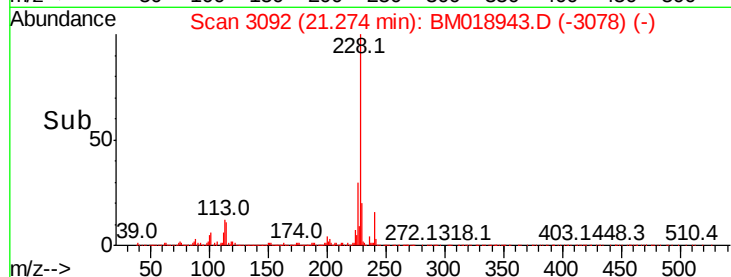
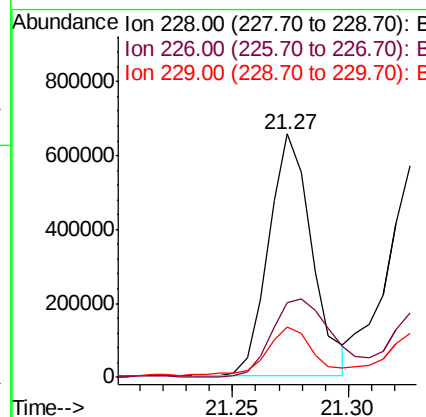
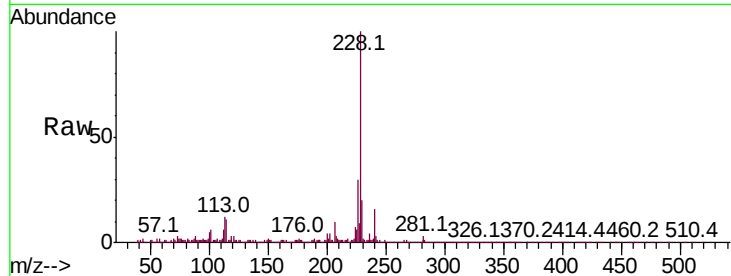
ClientSampled :

TP-26DL

Tot Ion:	228	Resp:	856054
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.9	32.9
229	20.5	15.9	23.9

Manual Integrations
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#83

Chrysene

Concen: 12.753 ng

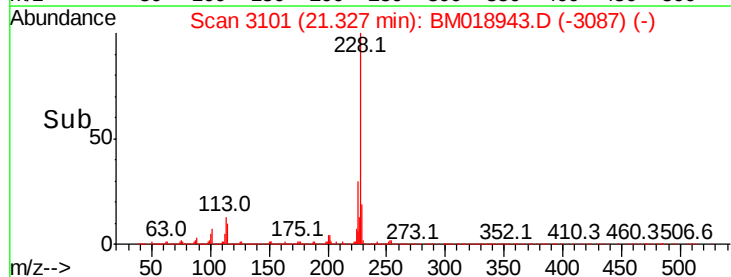
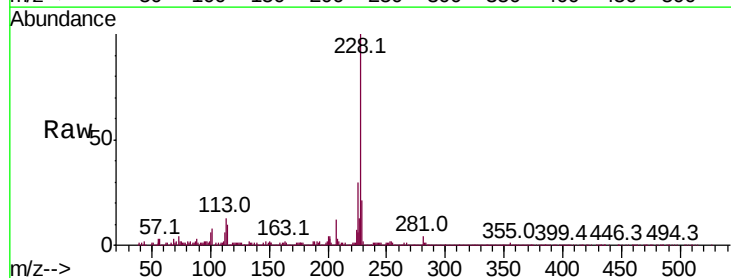
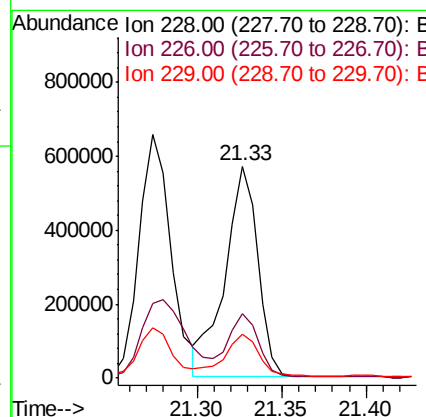
RT: 21.33 min Scan# 3101

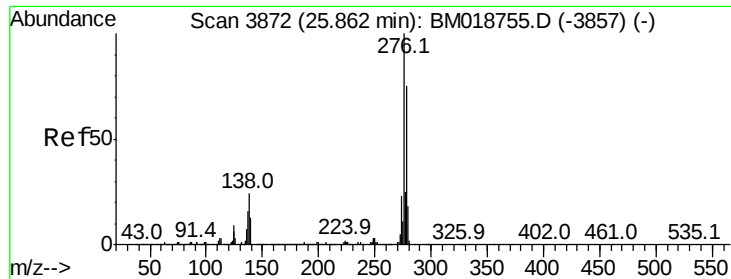
Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Tgt Ion:	228	Resp:	771966
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.1	36.1
229	21.0	16.0	24.0





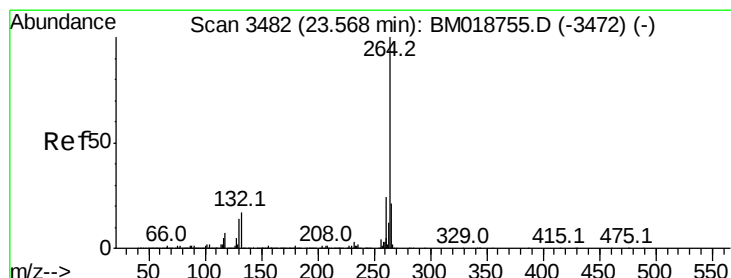
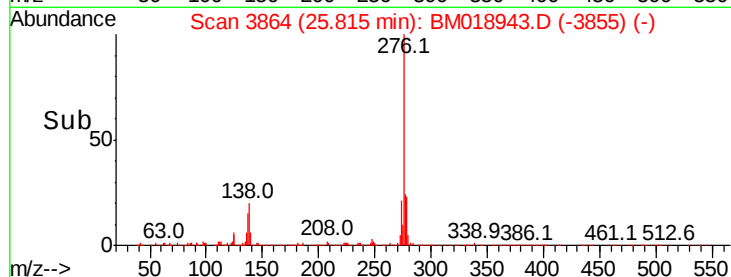
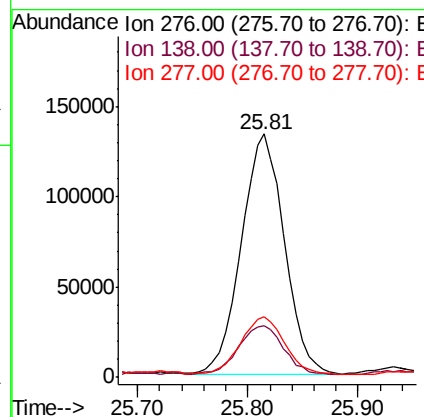
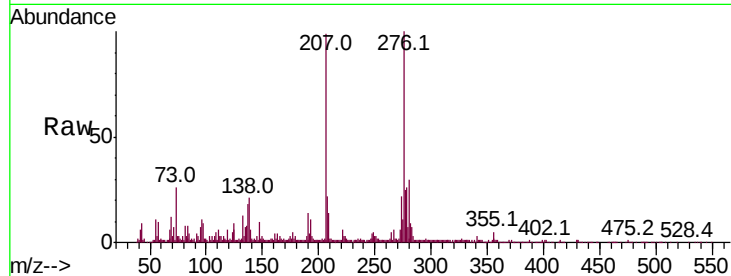
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.196 ng
RT: 25.81 min Scan# 3864
Delta R.T. -0.05 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampleId :
TP-26DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.2	30.4
277	24.2	20.3	30.5

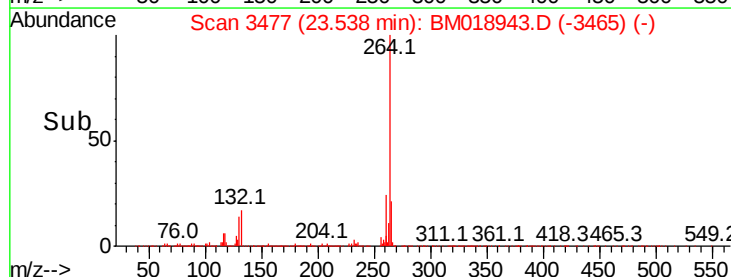
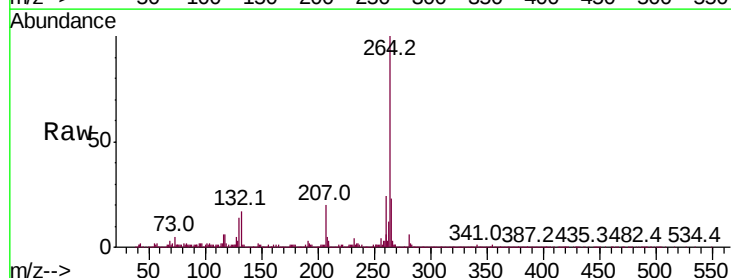
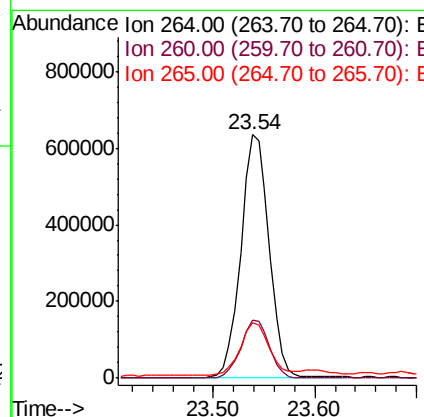
Manual Integrations
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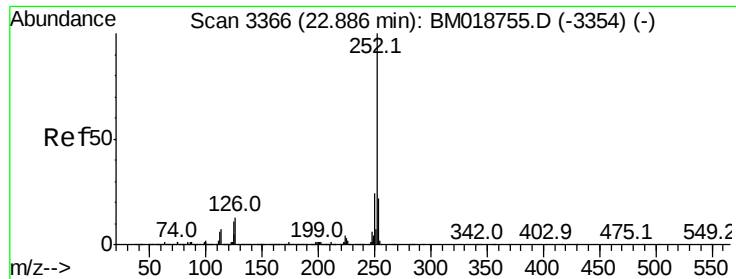
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3477
Delta R.T. -0.03 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.6	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 10.268 ng m

RT: 22.86 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

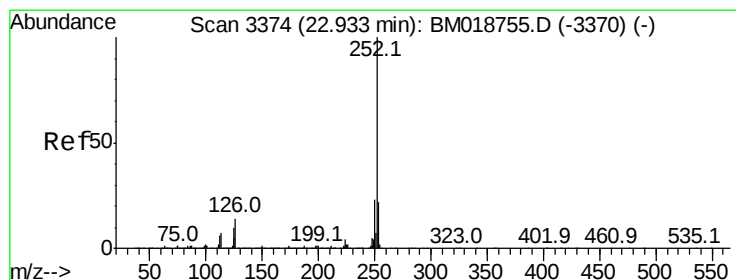
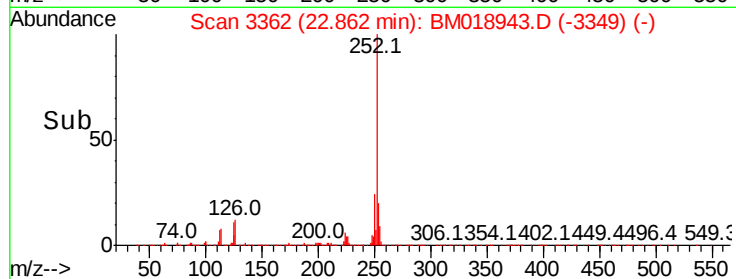
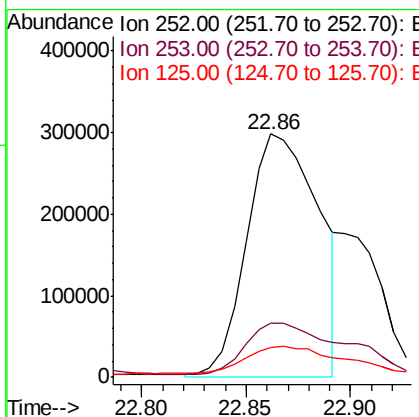
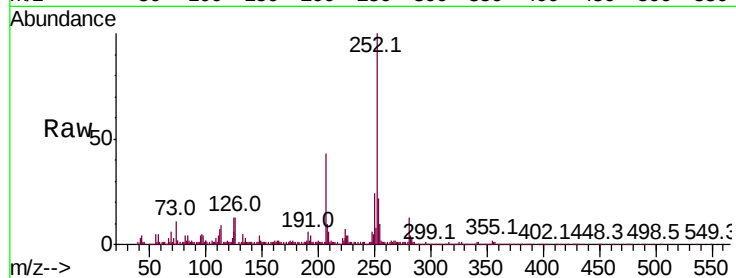
ClientSampleId :

TP-26DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.5	8.6	12.8

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 3.601 ng m

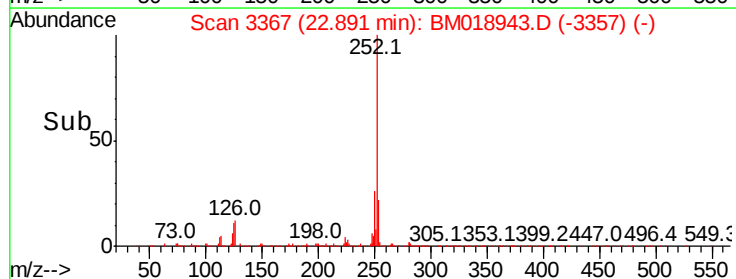
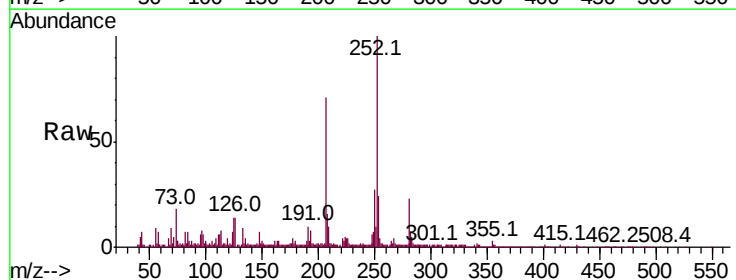
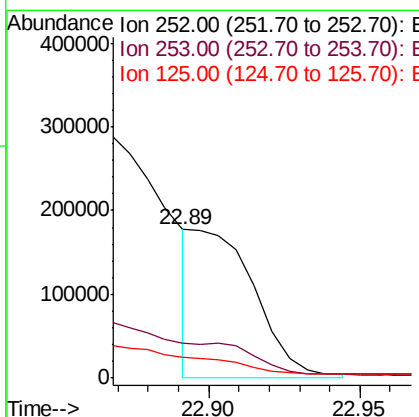
RT: 22.89 min Scan# 3367

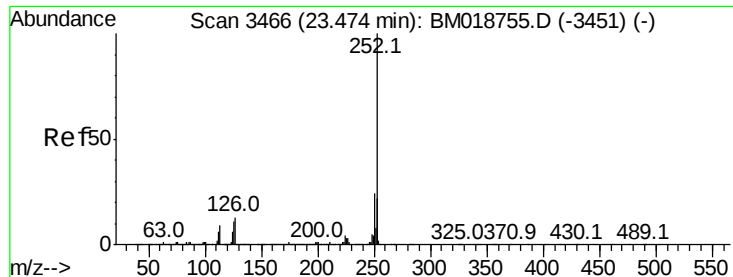
Delta R.T. -0.04 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.9	8.2	12.4#





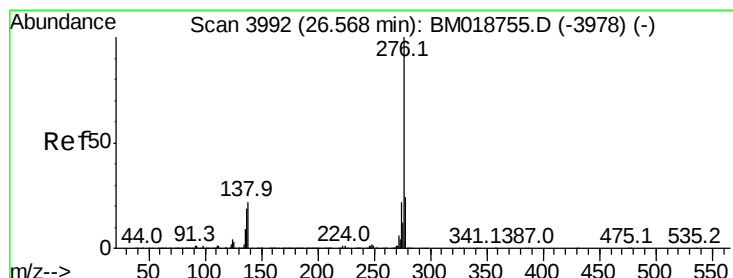
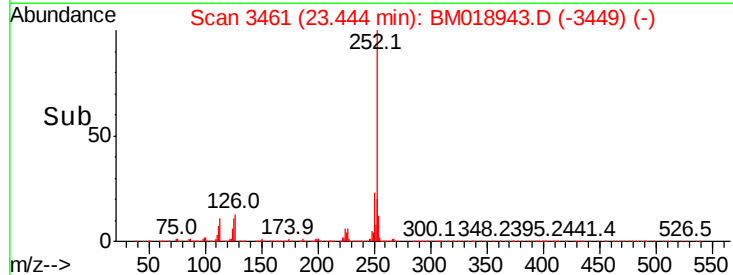
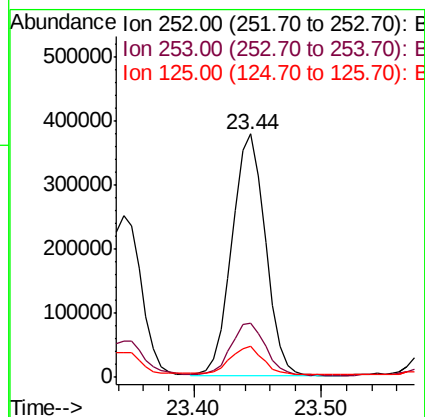
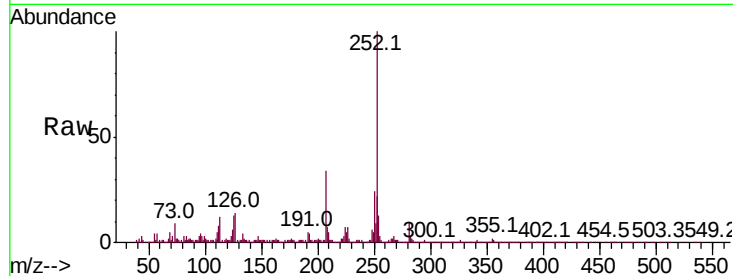
#90
Benzo(a)pyrene
Concen: 10.350 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
Client Sampled :
TP-26DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	12.6	8.6	13.0

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#92
Benzo(g,h,i)perylene
Concen: 6.503 ng
RT: 26.52 min Scan# 3984
Delta R.T. -0.05 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	20.9	17.3	25.9

