

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
 Data File : BM018924.D
 Acq On : 25 Feb 2019 21:35
 Operator : JU/SJ
 Sample : K1597-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-26

Manual Integrations
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 2/26/2019 12:06:17 PM

Quant Time: Feb 26 00:20:34 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	175403	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	745096	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	427775	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	959830	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	936743	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1046170	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	199621	18.65	ng	-0.02
7) Phenol-d6	6.87	99	278117	18.44	ng	-0.02
23) Nitrobenzene-d5	8.86	82	183165	11.37	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	95844	15.54	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	344472	10.69	ng	-0.02
79) Terphenyl-d14	19.73	244	516308	11.37	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.53	128	201456	5.544	ng	99
37) 2-Methylnaphthalene	12.15	142	108379	4.236	ng	99
38) 1-Methylnaphthalene	12.37	142	107396	4.293	ng	99
49) Acenaphthylene	14.07	152	490435	11.581	ng	99
58) Fluorene	15.40	166	390083	11.947	ng	99
71) Phenanthrene	17.14	178	4645332	90.056	ng	100
72) Anthracene	17.23	178	889381	17.714	ng	100
75) Fluoranthene	19.17	202	2773383	46.545	ng	99
78) Pyrene	19.53	202	4185020	76.923	ng	99
81) Benzo(a)anthracene	21.28	228	1484848	27.193	ng	96
83) Chrysene	21.33	228	1336392	25.534	ng	98
86) Indeno(1,2,3-cd)pyrene	25.83	276	606558	10.038	ng	95
88) Benzo(b)fluoranthene	22.87	252	1274541m	21.294	ng	
89) Benzo(k)fluoranthene	22.91	252	378884m	6.358	ng	
90) Benzo(a)pyrene	23.45	252	1181715	20.841	ng	97
91) Dibenzo(a,h)anthracene	25.83	278	190853	3.397	ng	# 87
92) Benzo(a,h,i)perylene	26.53	276	664555	12.707	ng	99

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

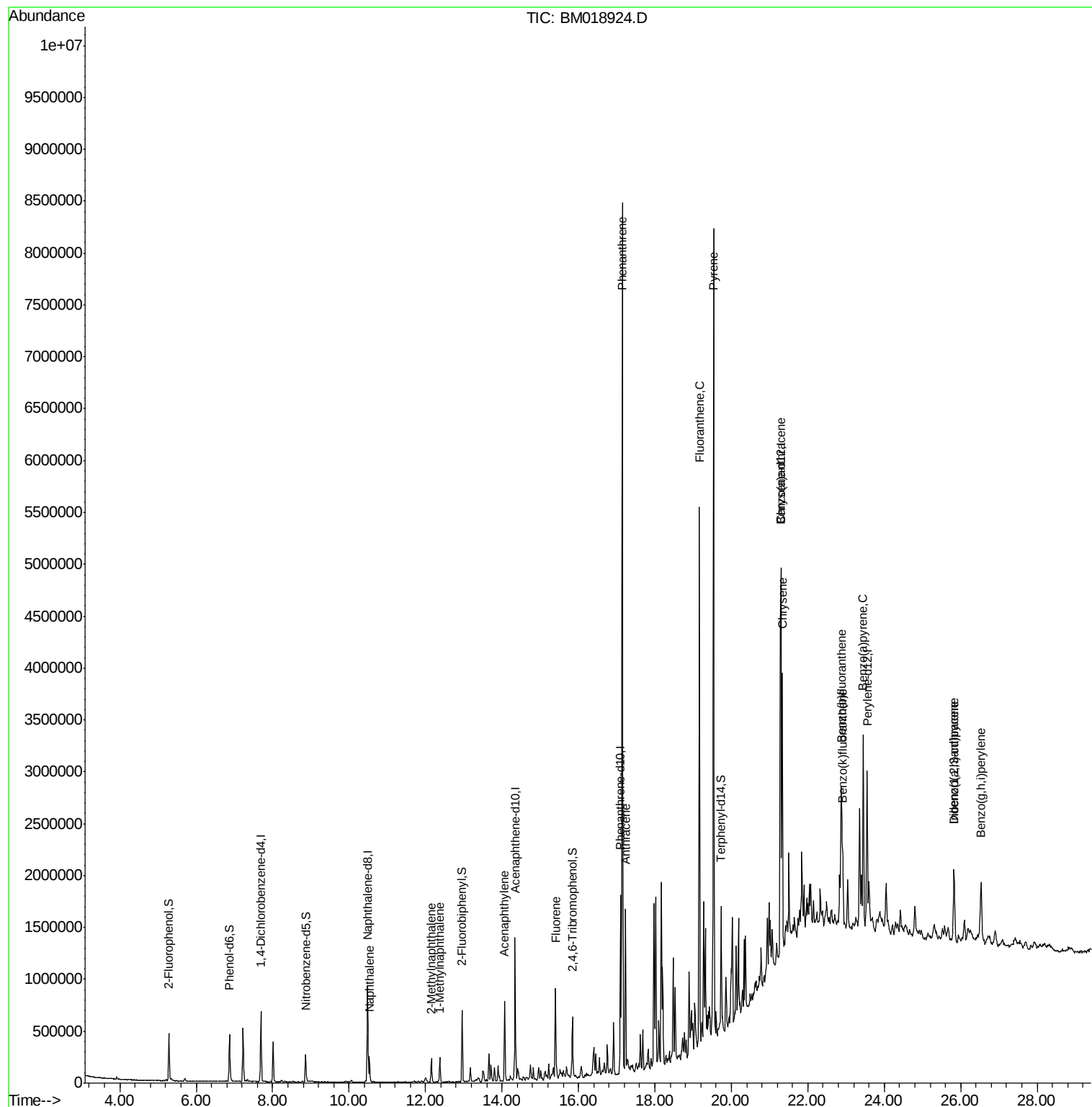
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018924.D
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ALS Vial : 16 Sample Multiplier: 1

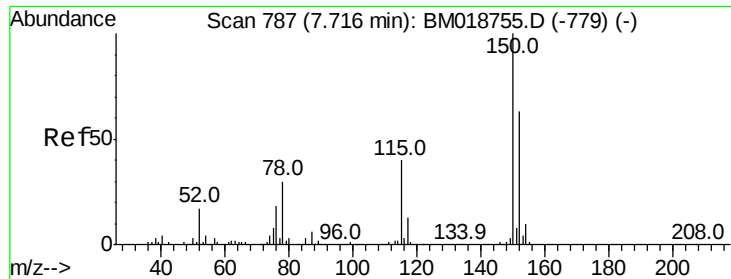
Instrument :
BNA_M
ClientSampleId :
TP-26

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Quant Time: Feb 26 00:20:34 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

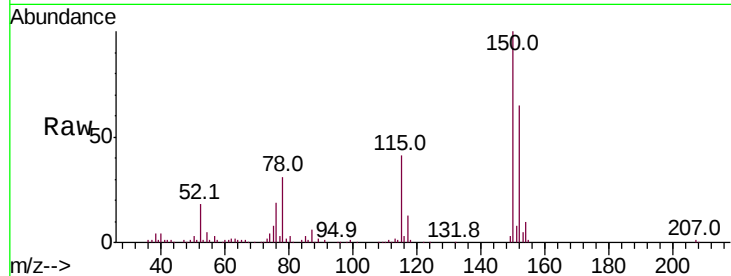
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampled :
TP-26

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.3	190.9
115	63.1	50.8	76.2

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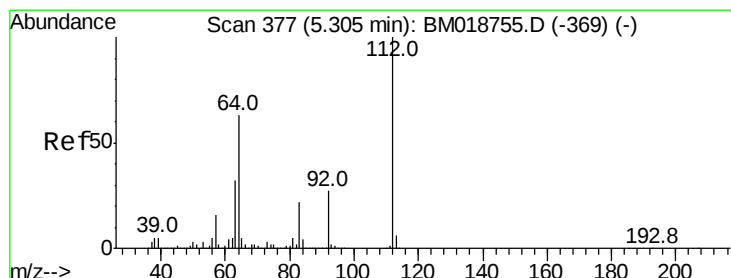
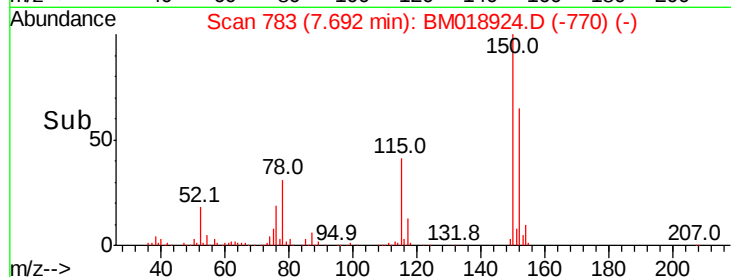
Abundance

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

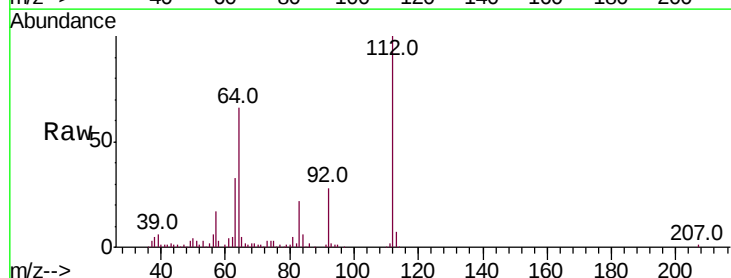
Time-->



#5

2-Fluorophenol
Concen: 18.647 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	50.6	75.8
63	33.3	25.7	38.5



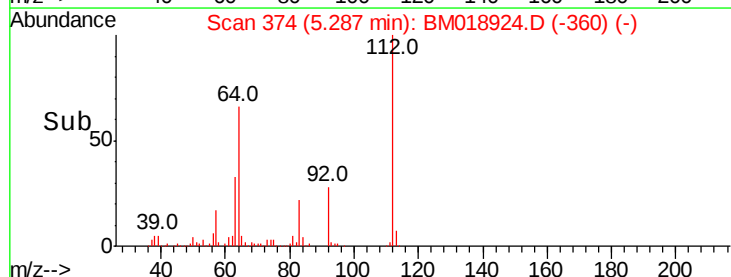
Abundance

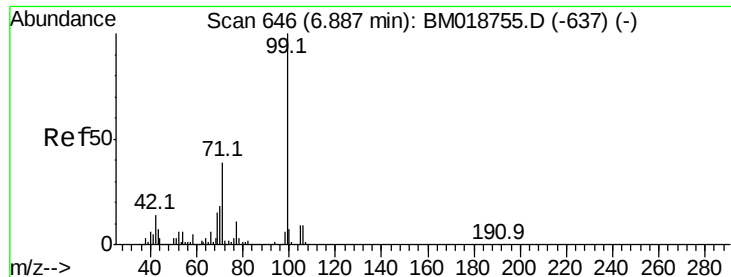
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

Time-->





#7

Phenol-d6

Concen: 18.441 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

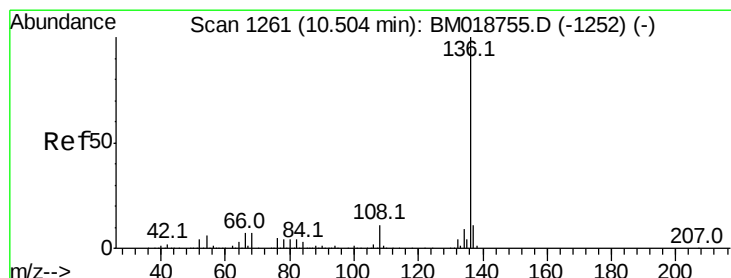
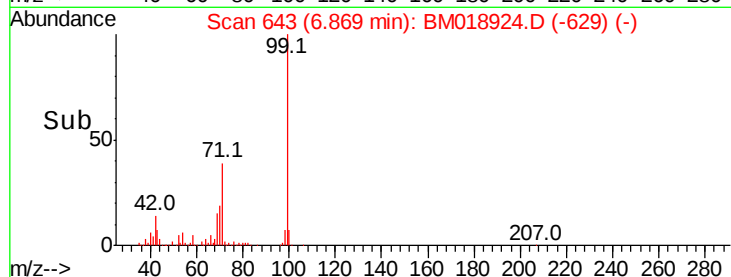
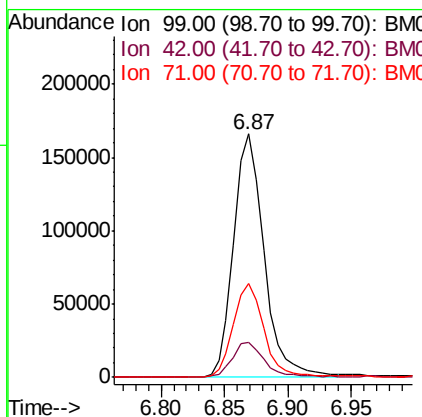
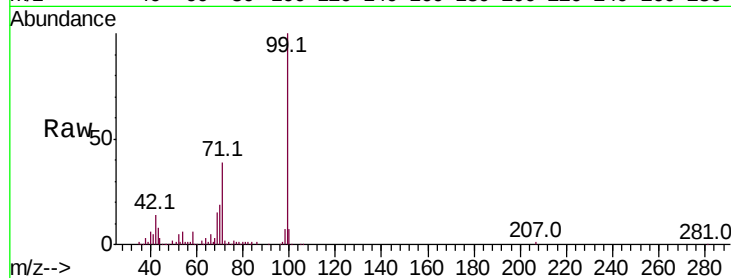
ClientSampleId :

TP-26

Tot Ion:	99	Resp:	278117
Ion Ratio	Lower	Upper	
99	100		
42	14.3	11.0	16.6
71	38.5	31.3	46.9

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#21

Naphthalene-d8

Concen: 20.000 ng

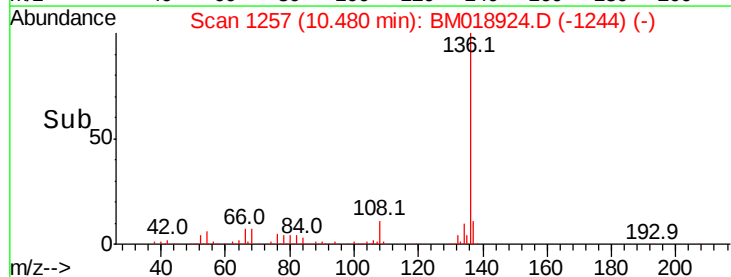
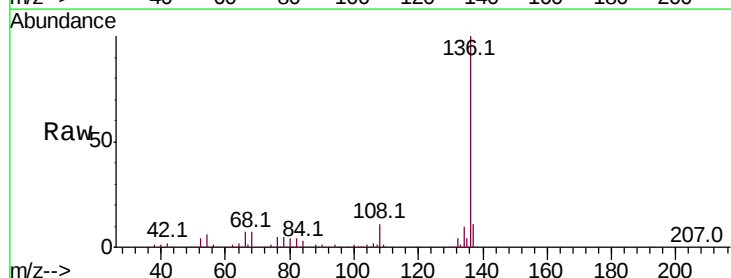
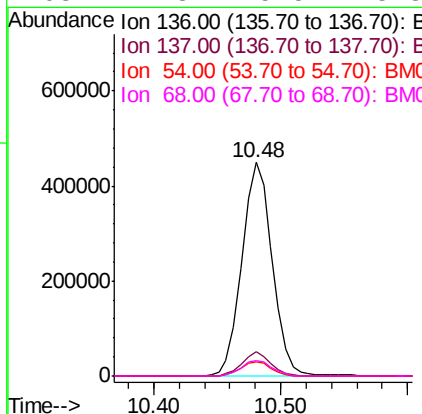
RT: 10.48 min Scan# 1257

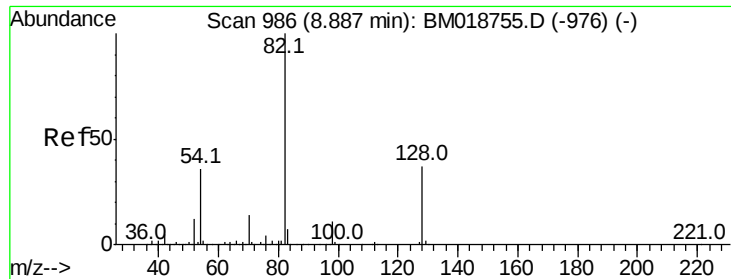
Delta R.T. -0.02 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Tgt Ion:	136	Resp:	745096
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	6.5	5.0	7.6
68	7.3	5.5	8.3





#23

Nitrobenzene-d5

Concen: 11.367 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

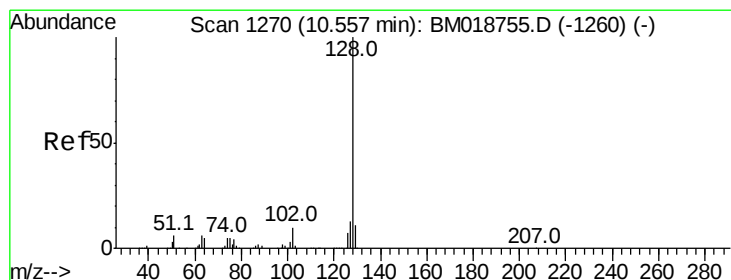
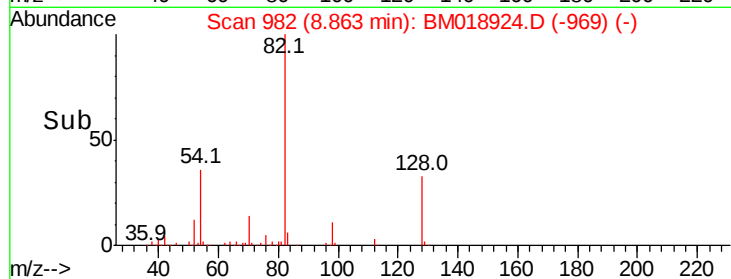
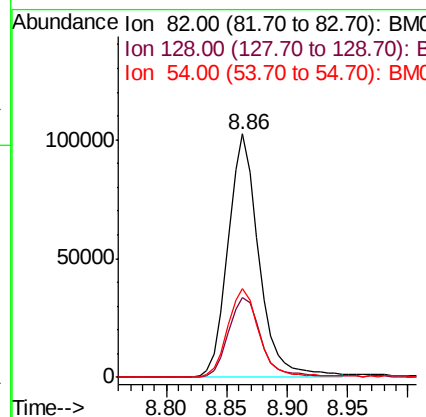
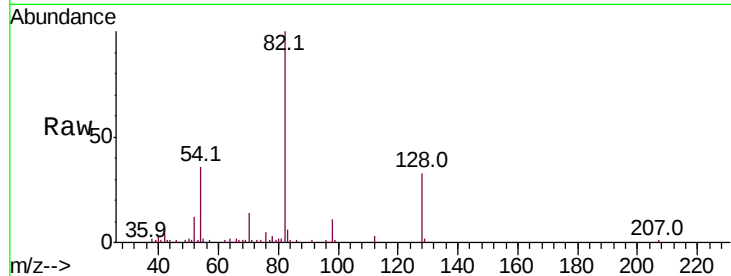
ClientSampled :

TP-26

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.7	29.9	44.9	
54	36.5	29.1	43.7	

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#31

Naphthalene

Concen: 5.544 ng

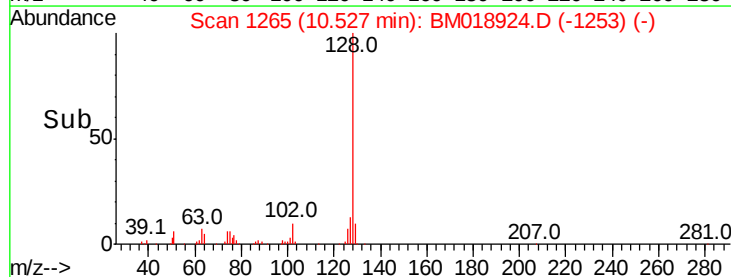
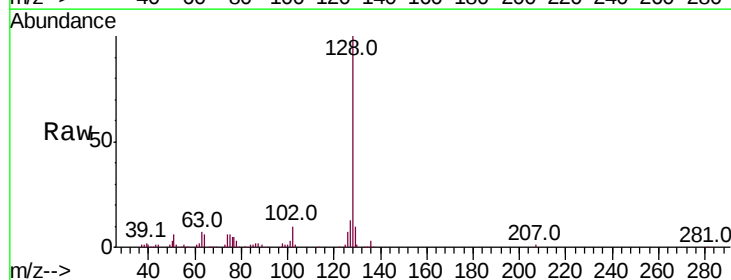
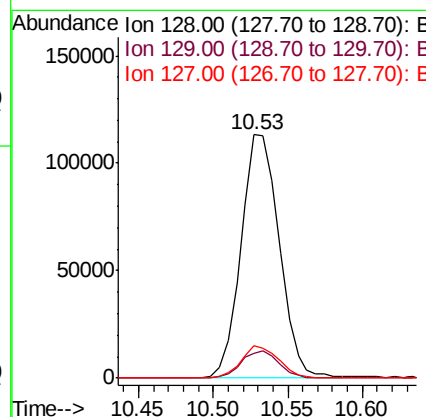
RT: 10.53 min Scan# 1265

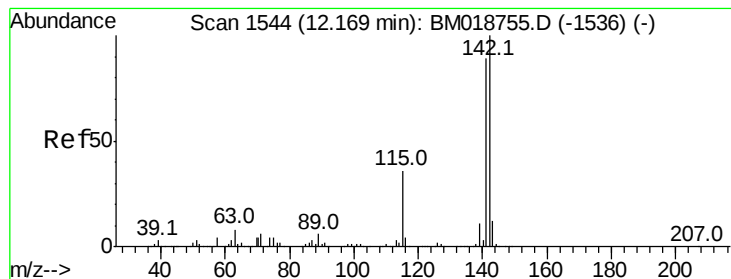
Delta R.T. -0.03 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.3	9.0	13.4	
127	13.1	10.7	16.1	





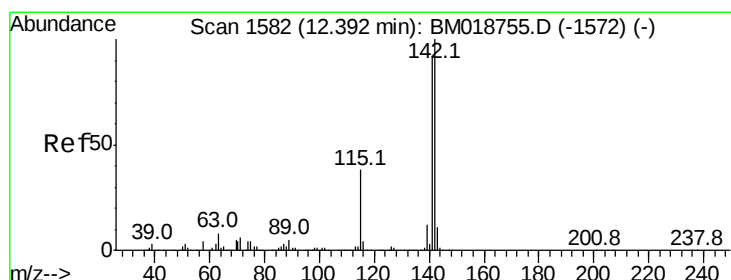
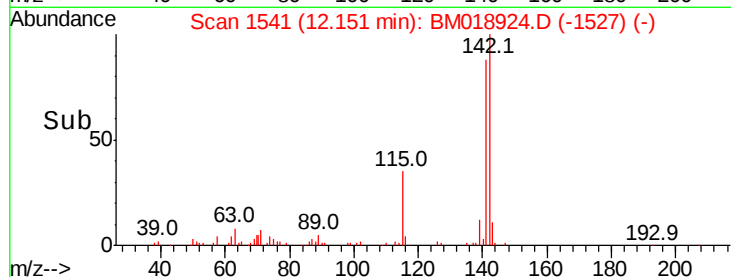
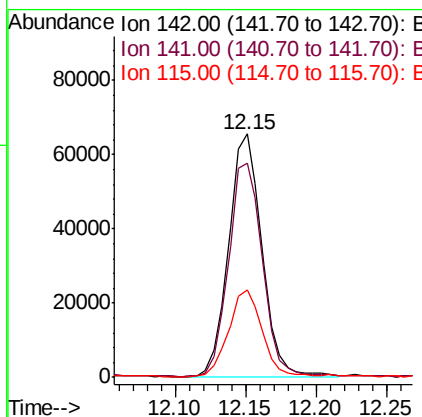
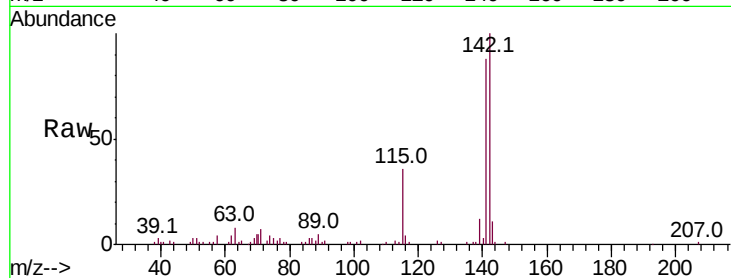
#37
2-Methylnaphthalene
Concen: 4.236 ng
RT: 12.15 min Scan# 1541
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampleId :
TP-26

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.2	106.8
115	35.9	29.1	43.7

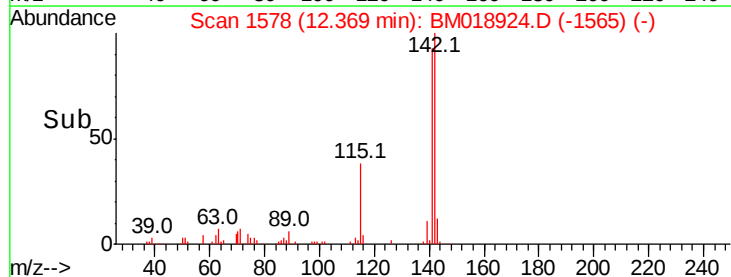
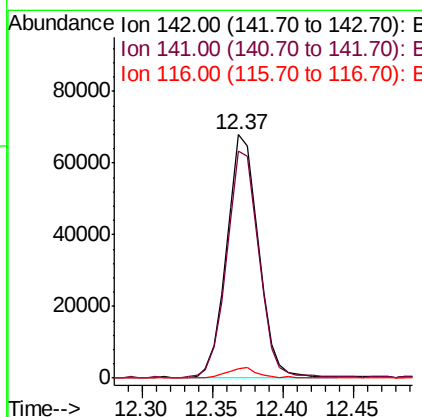
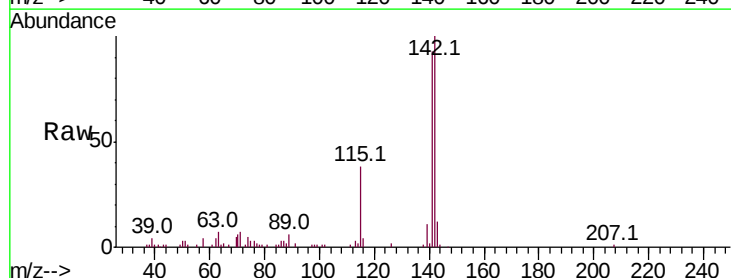
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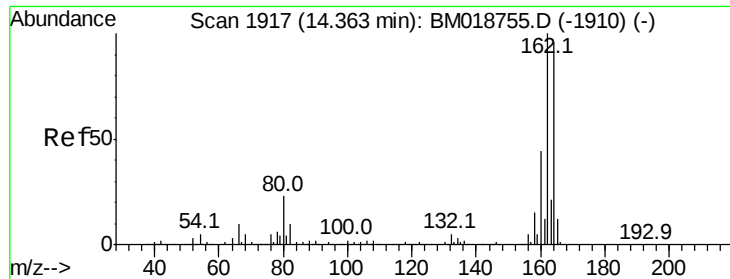
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#38
1-Methylnaphthalene
Concen: 4.293 ng
RT: 12.37 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.9	110.9
116	3.9	3.0	4.4





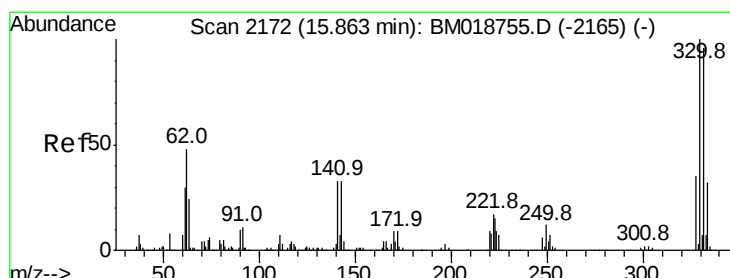
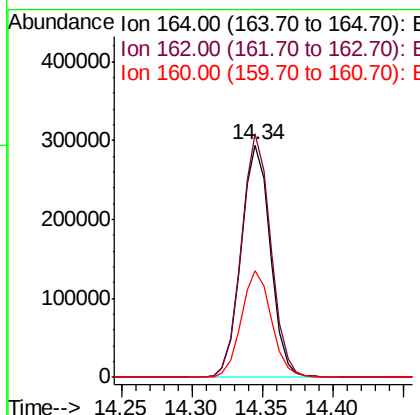
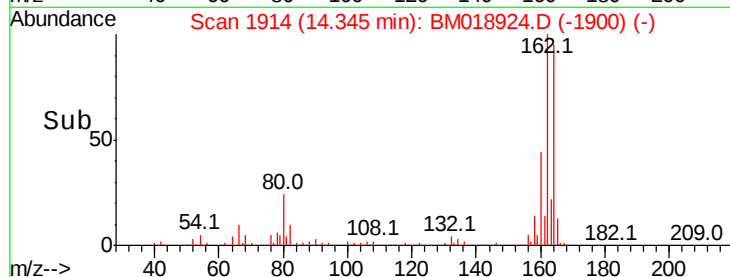
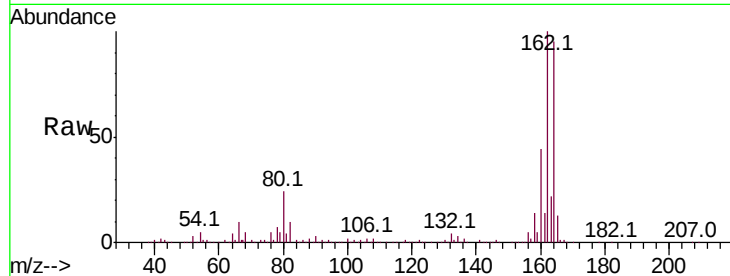
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampleId :
TP-26

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.4	125.0
160	45.7	36.6	55.0

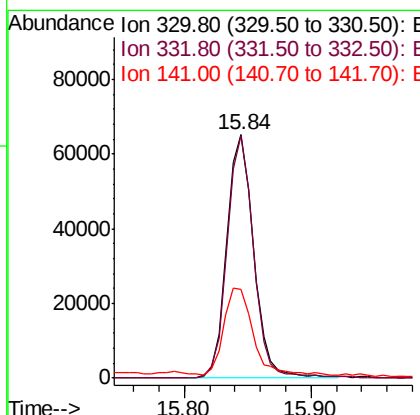
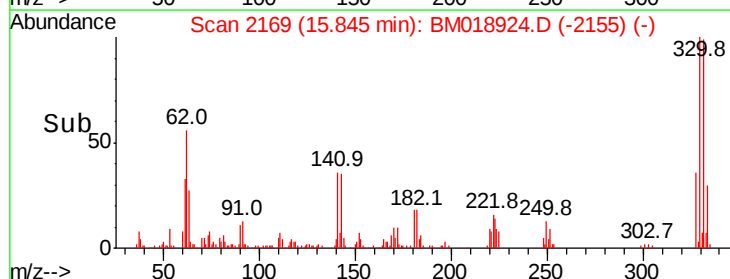
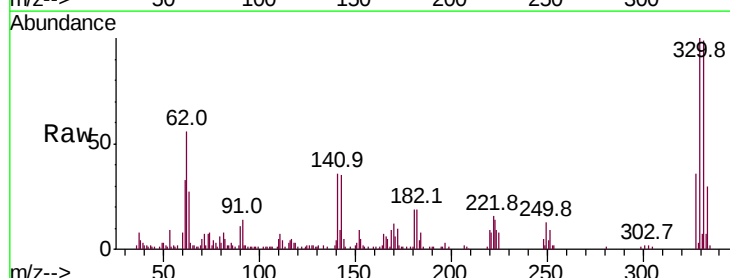
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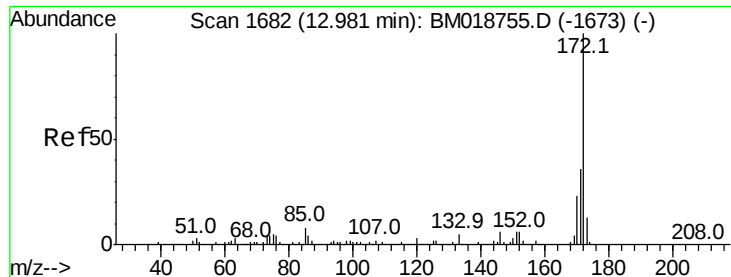
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#42
2,4,6-Tribromophenol
Concen: 15.543 ng
RT: 15.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	38.5	28.7	43.1





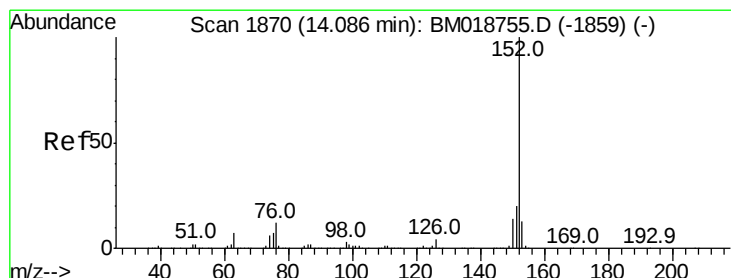
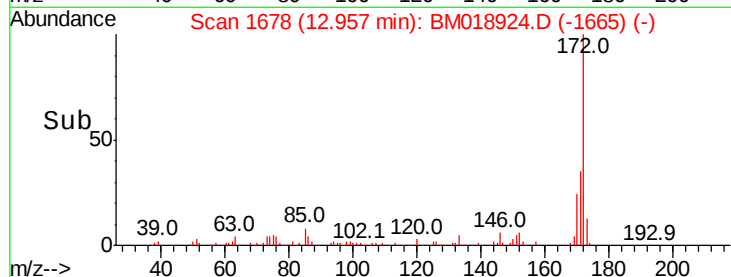
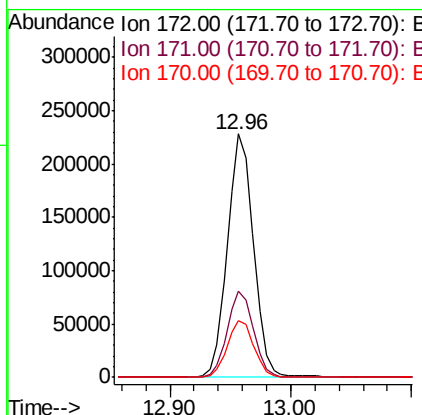
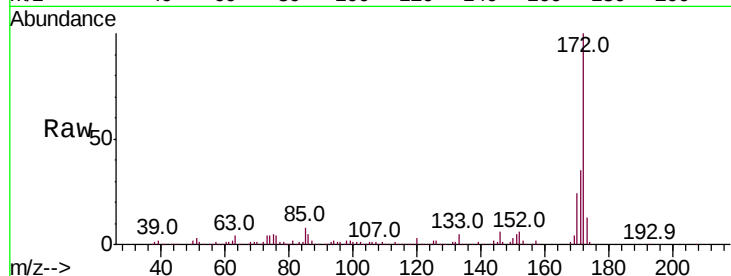
#45
2-Fluorobiphenyl
Concen: 10.690 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampleId :
TP-26

Tot Ion	Ratio	Resp	Lower	Upper
172	100	344472		
171	35.5	29.0	43.6	
170	23.5	18.6	28.0	

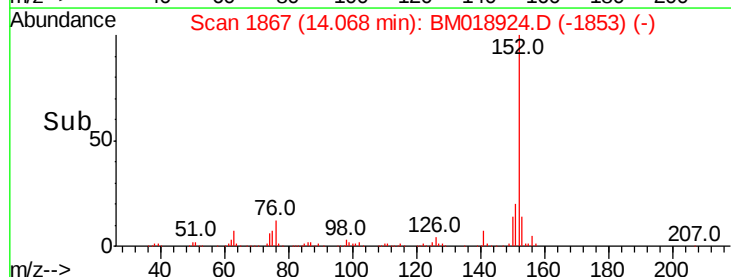
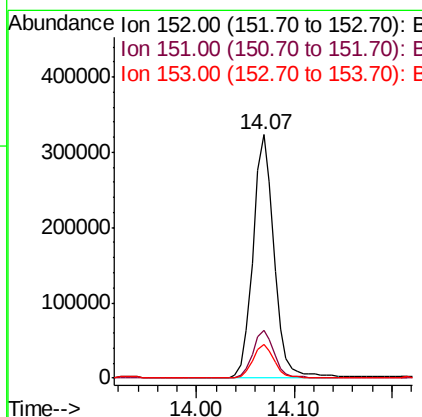
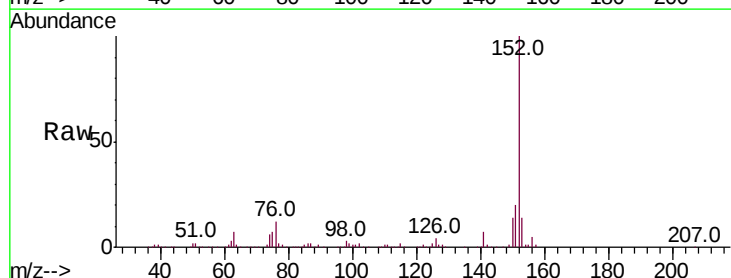
Manual Integrations
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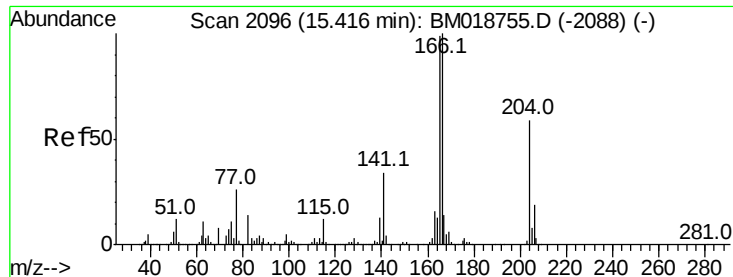
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#49
Acenaphthylene
Concen: 11.581 ng
RT: 14.07 min Scan# 1867
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	490435		
151	19.6	15.8	23.8	
153	13.9	10.5	15.7	





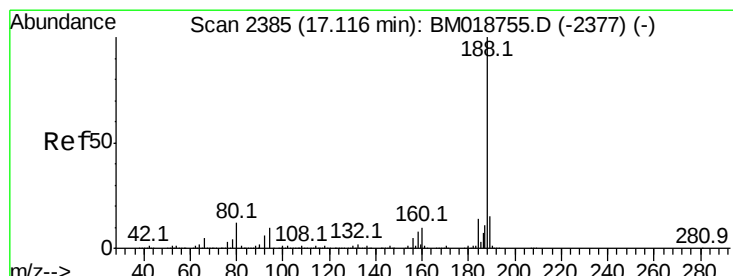
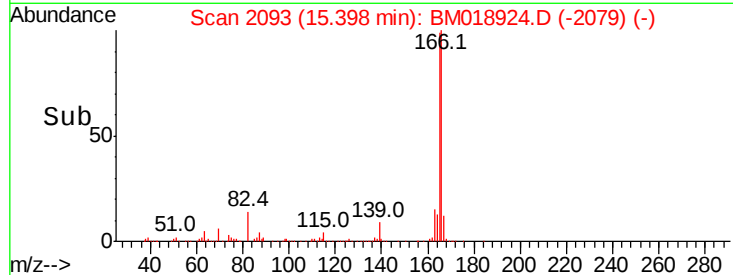
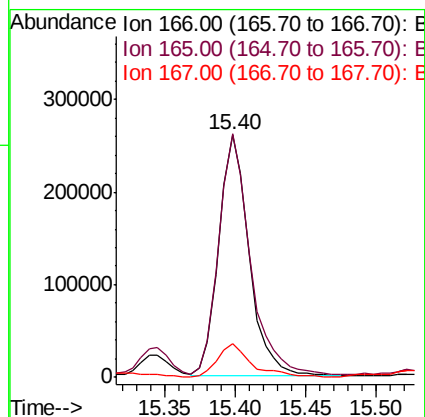
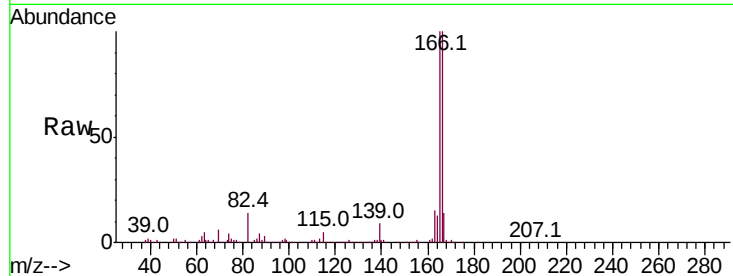
#58
 Fluorene
 Concen: 11.947 ng
 RT: 15.40 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: BM018924.D
 Acq: 25 Feb 2019 21:35

Instrument :
 BNA_M
 ClientSampleId :
 TP-26

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	79.1	118.7	
167	14.0	11.0	16.4	

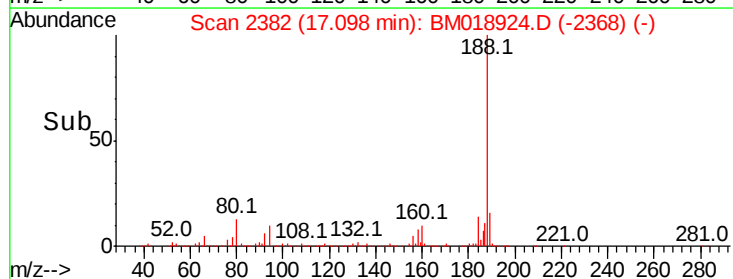
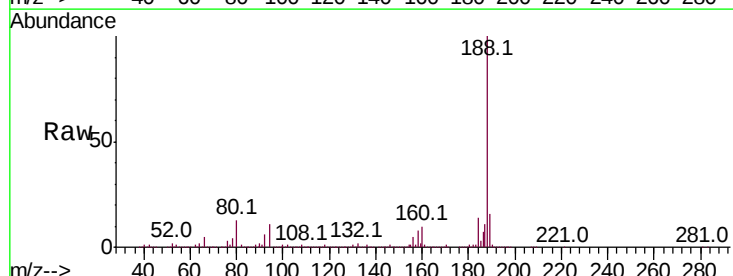
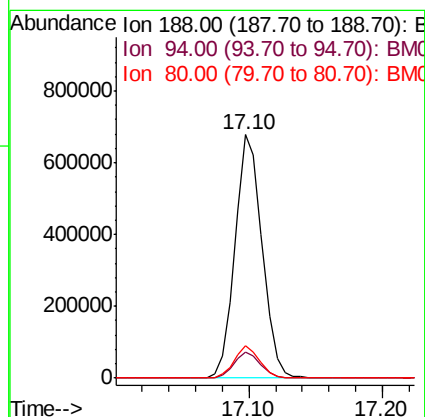
Manual Integrations
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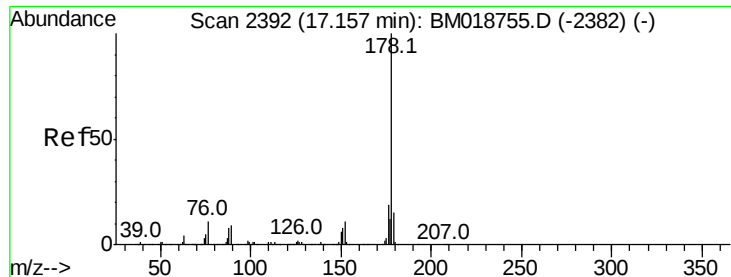
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.10 min Scan# 2382
 Delta R.T. -0.02 min
 Lab File: BM018924.D
 Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	8.2	12.2	
80	13.1	9.7	14.5	





#71

Phenanthrene

Concen: 90.056 ng

RT: 17.14 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

ClientSampleId :

TP-26

Tot Ion:178 Resp: 4645332

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

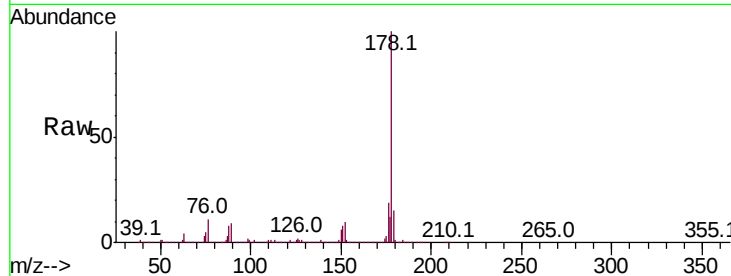
179 15.3 12.3 18.5

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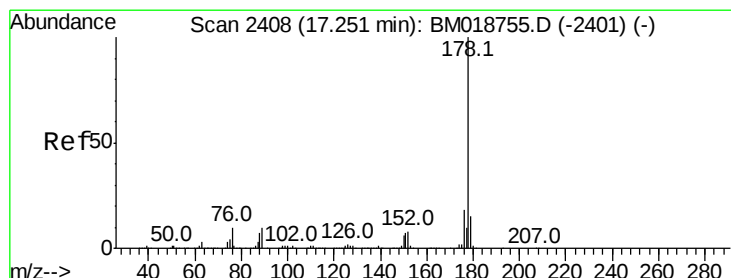
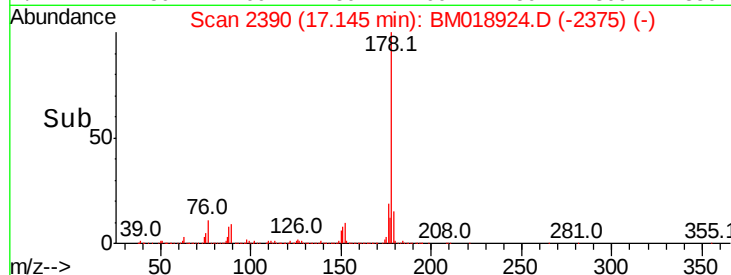
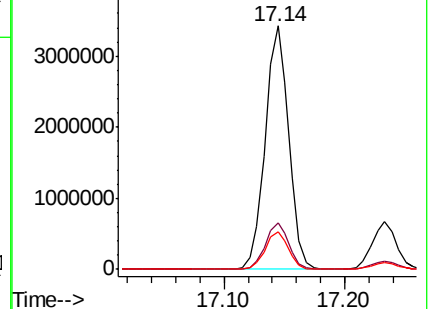
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 17.714 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

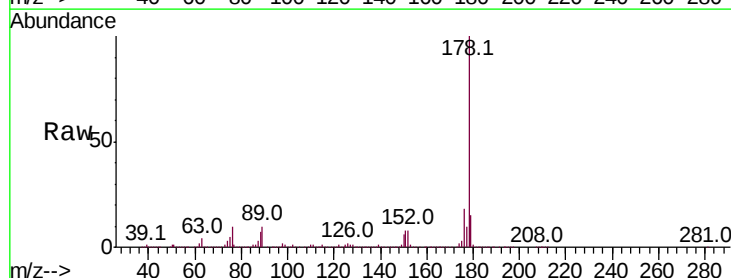
Tgt Ion:178 Resp: 889381

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

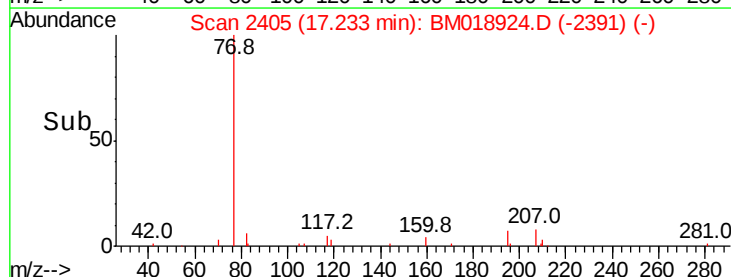
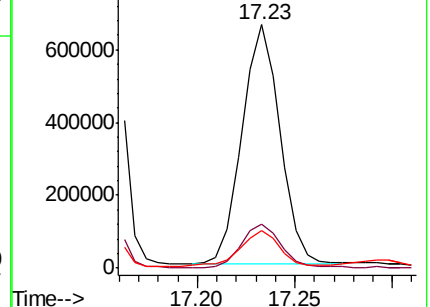
179 15.3 12.1 18.1

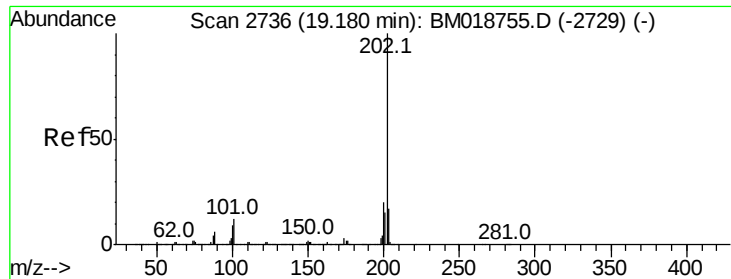


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





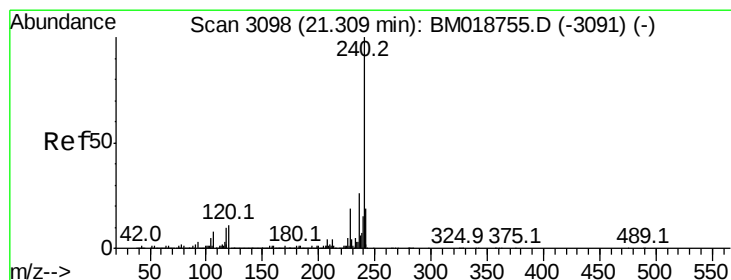
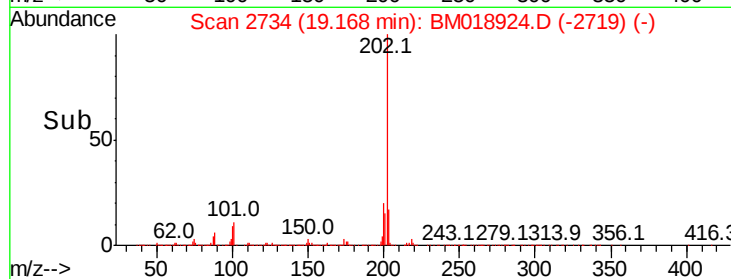
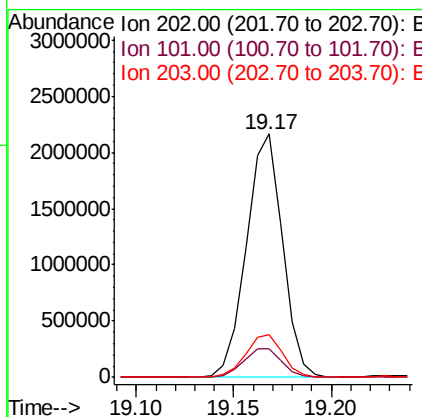
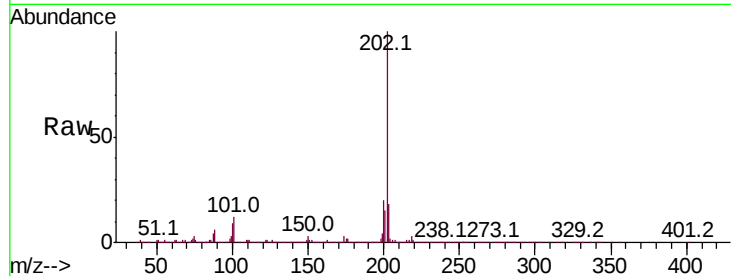
#75
 Fluoranthene
 Concen: 46.545 ng
 RT: 19.17 min Scan# 2734
 Delta R.T. -0.01 min
 Lab File: BM018924.D
 Acq: 25 Feb 2019 21:35

Instrument :
 BNA_M
 ClientSampled :
 TP-26

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.6	0.0	37.3

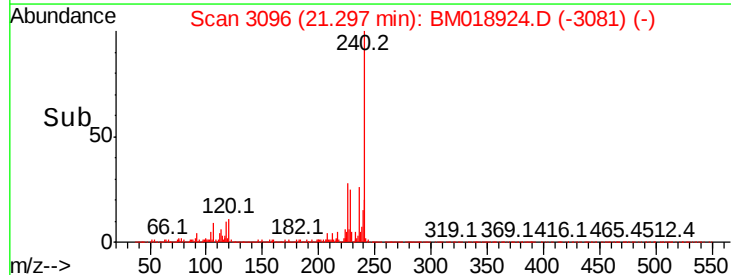
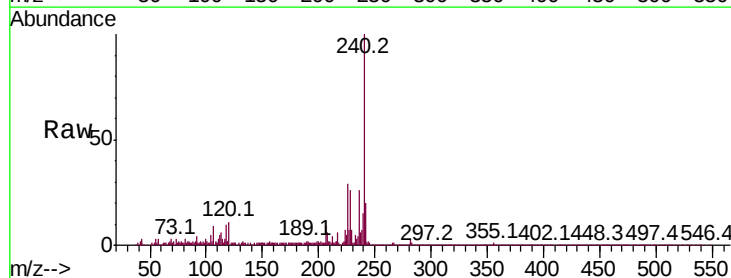
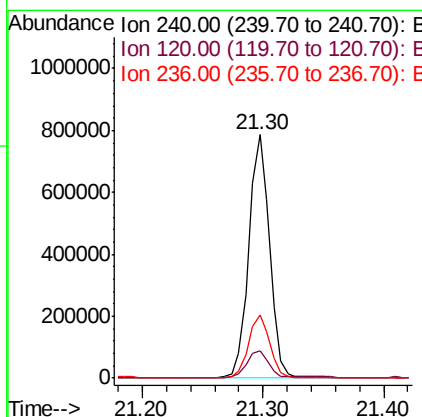
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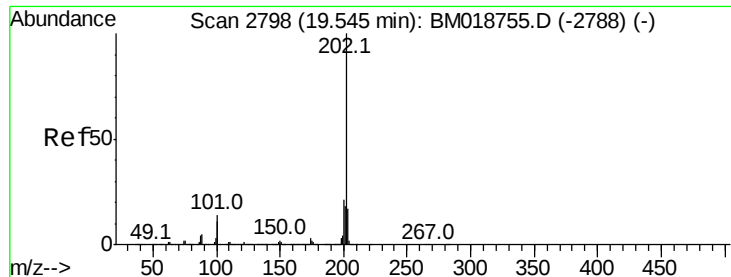
Sohil
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.30 min Scan# 3096
 Delta R.T. -0.01 min
 Lab File: BM018924.D
 Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.2	20.9	31.3





#78

Pvrene

Concen: 76.923 ng

RT: 19.53 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

ClientSampleId :

TP-26

Tot Ion:202 Resp: 4185020

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

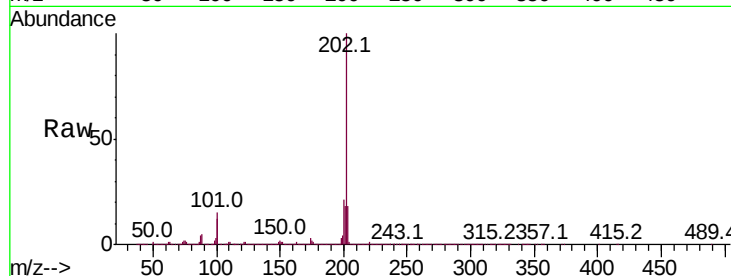
203 17.7 13.8 20.8

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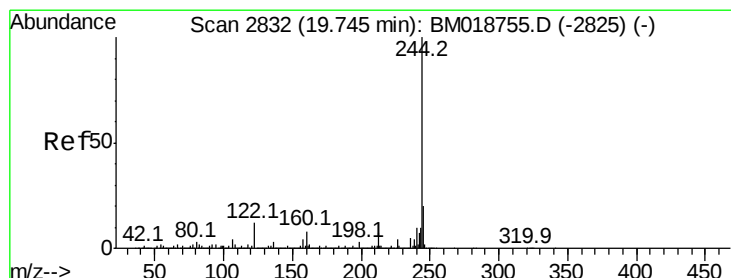
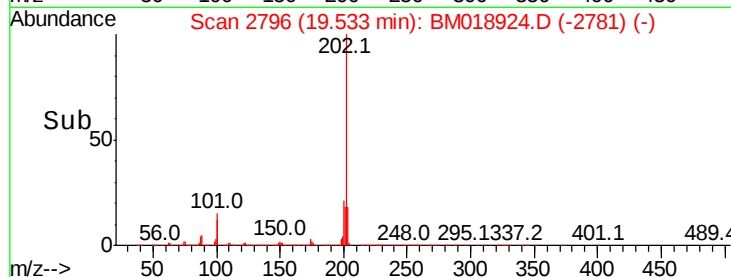
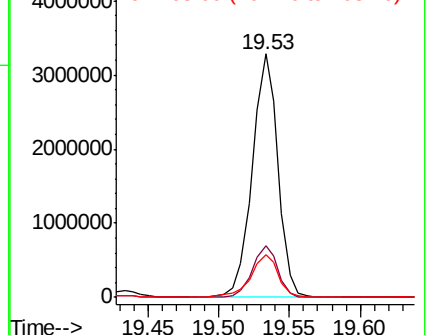


Abundance

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



#79

Terphenyl-d14

Concen: 11.370 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

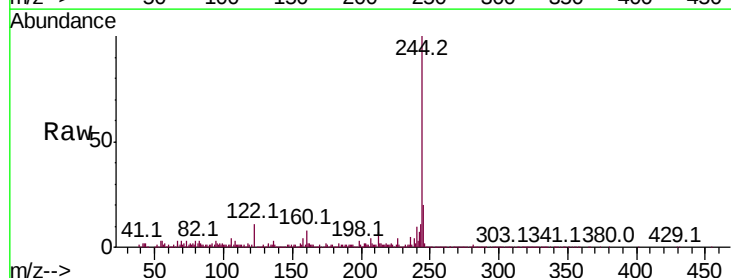
Tgt Ion:244 Resp: 516308

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.6 9.3 13.9

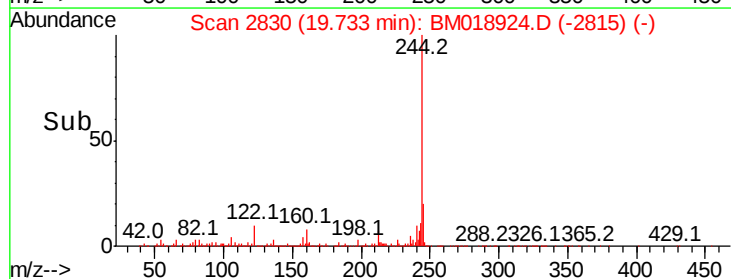
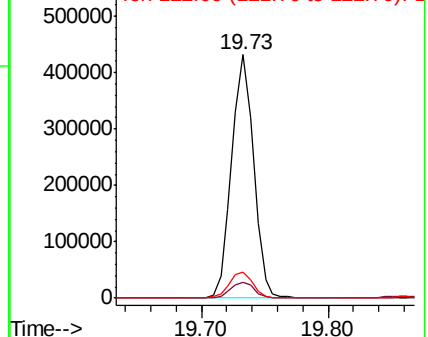


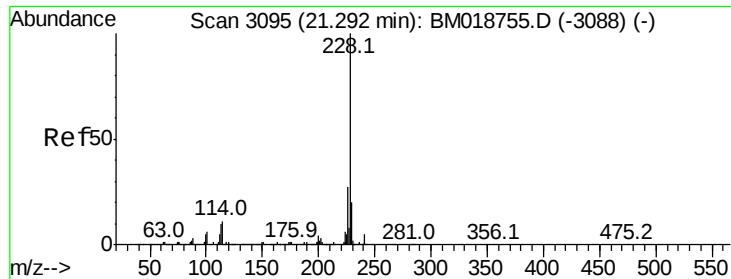
Abundance

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





#81

Benzo(a)anthracene

Concen: 27.193 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

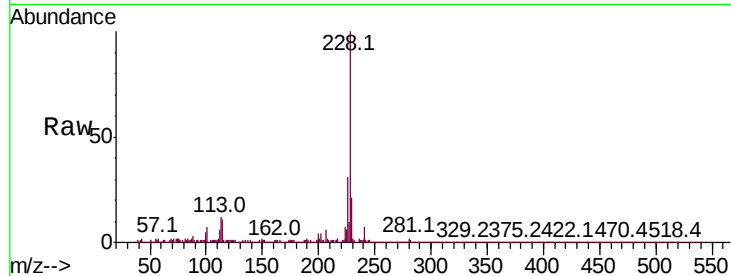
ClientSampled :

TP-26

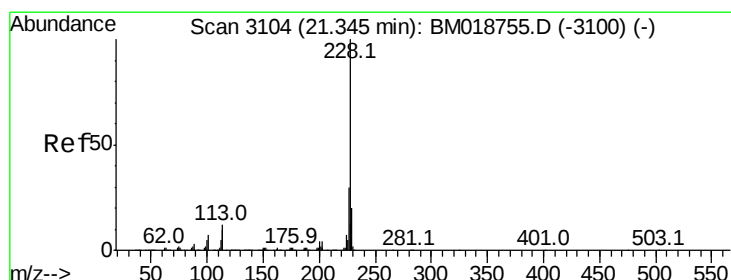
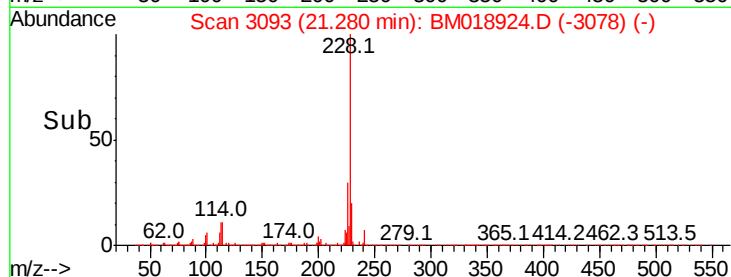
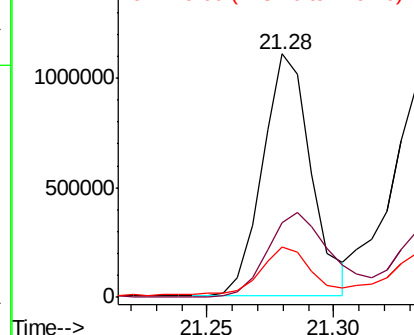
Tot Ion:	228	Resp:	1484848
Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.9	32.9
229	20.7	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 25.534 ng

RT: 21.33 min Scan# 3102

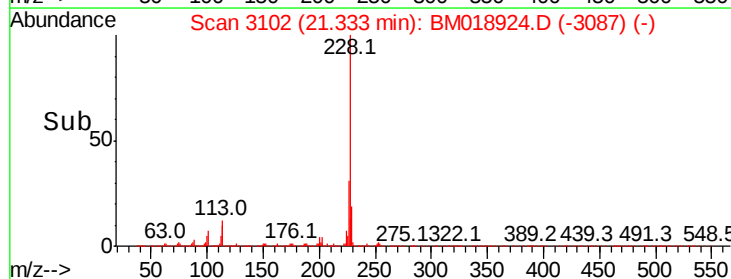
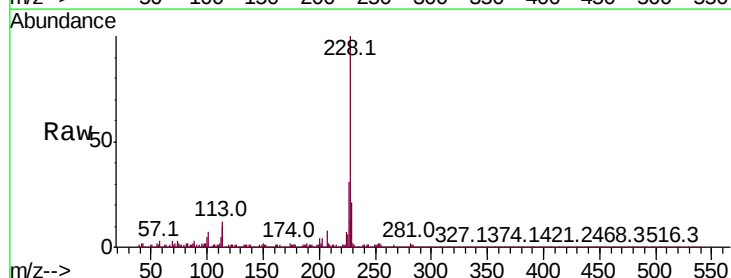
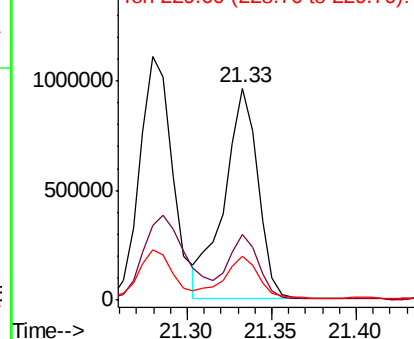
Delta R.T. -0.01 min

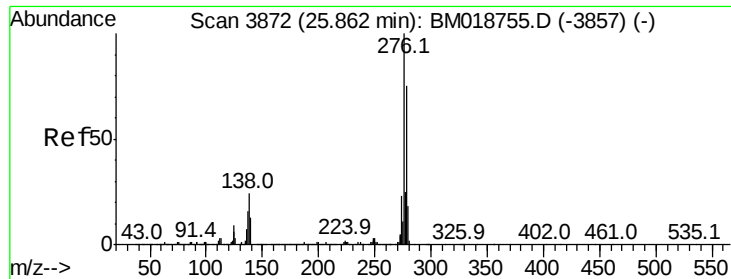
Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Tgt Ion:	228	Resp:	1336392
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	21.0	16.0	24.0

Abundance Ion 228.00 (227.70 to 228.70): E
1500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





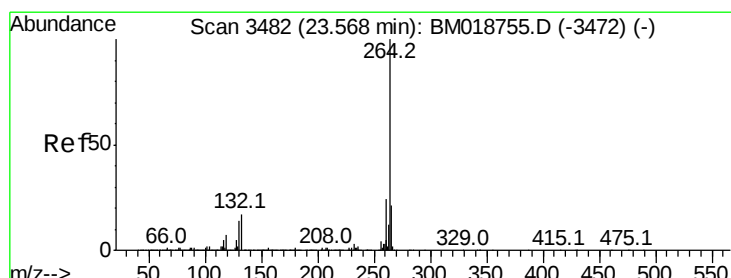
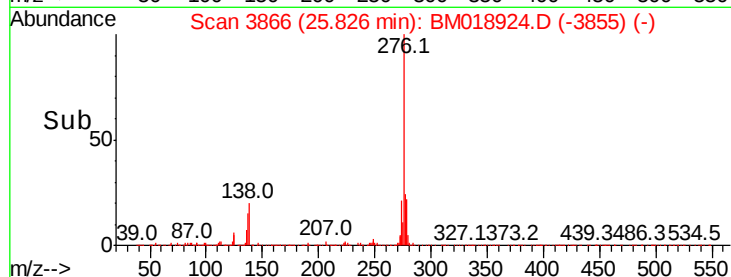
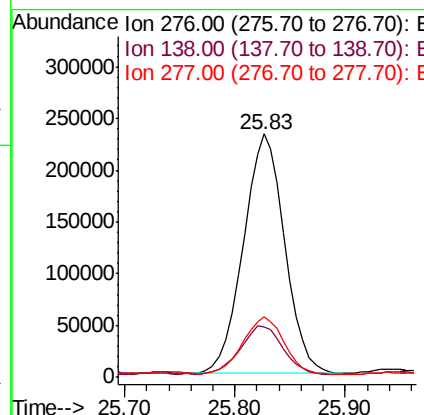
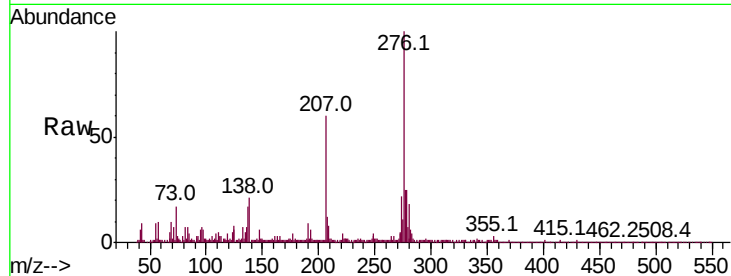
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.038 ng
RT: 25.83 min Scan# 3866
Delta R.T. -0.04 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampleId :
TP-26

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.2	30.4
277	24.6	20.3	30.5

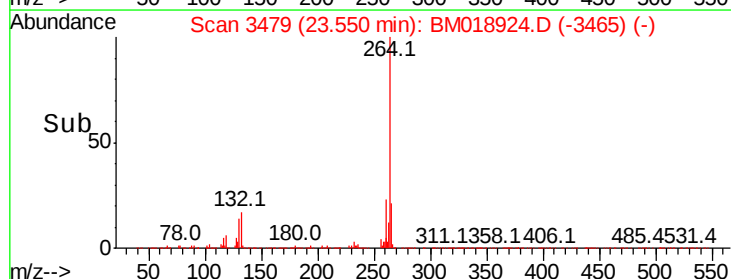
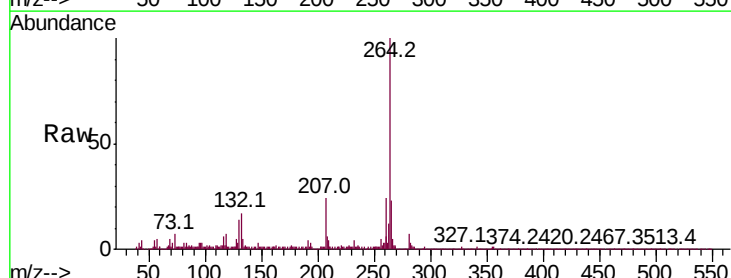
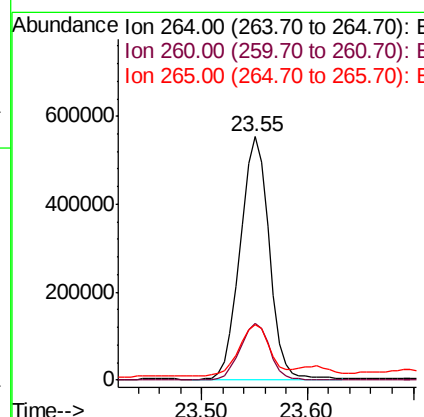
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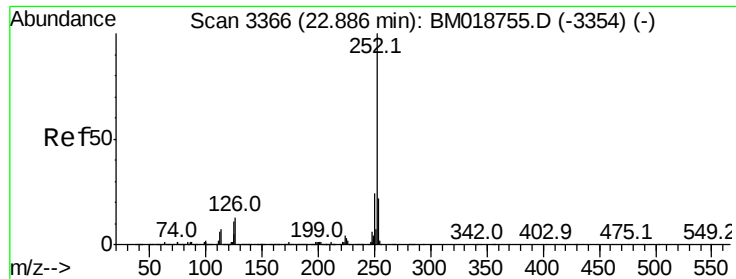
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.55 min Scan# 3479
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.9	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 21.294 ng m

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Instrument :

BNA_M

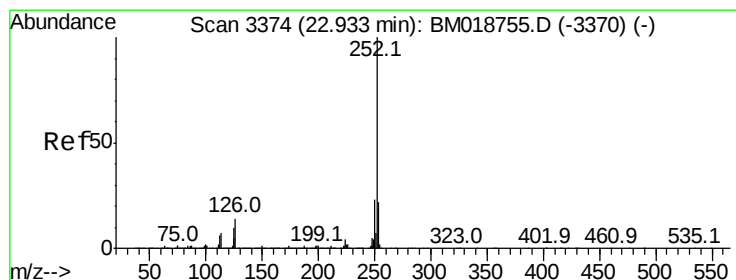
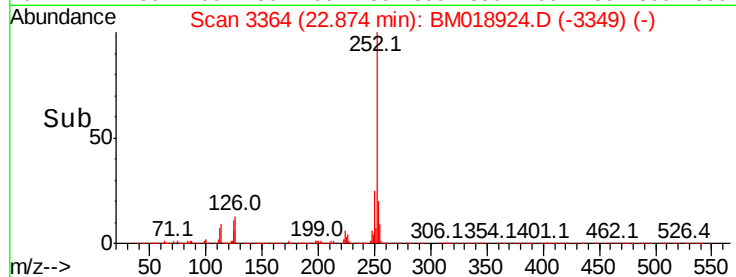
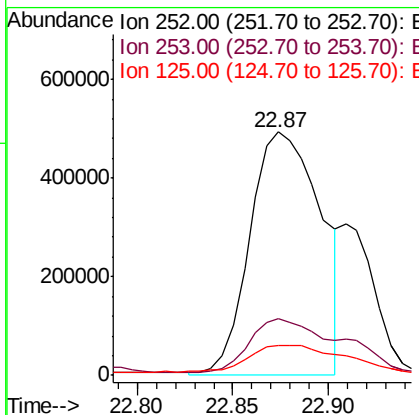
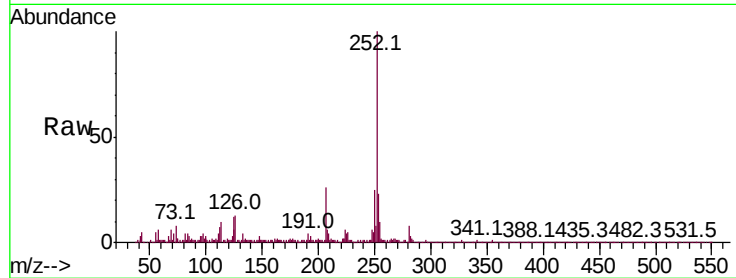
ClientSampled :

TP-26

Tot Ion:	252	Resp:	1274541
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	12.3	8.6	12.8

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#89

Benzo(k)fluoranthene

Concen: 6.358 ng m

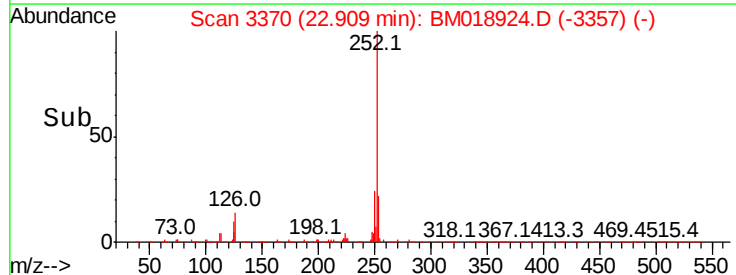
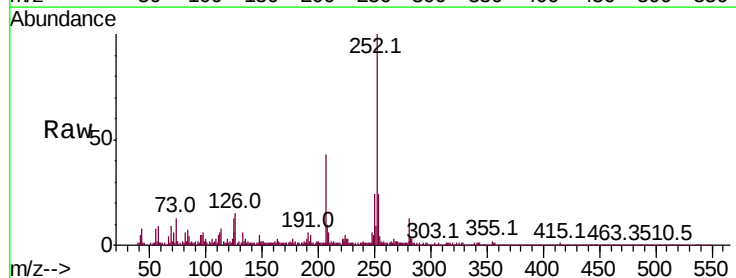
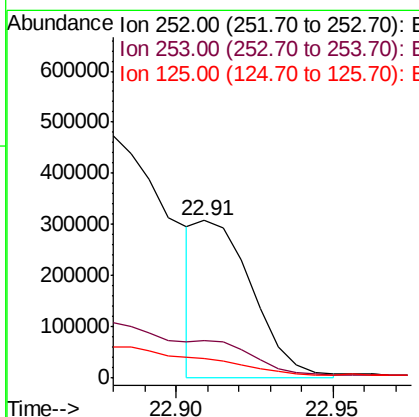
RT: 22.91 min Scan# 3370

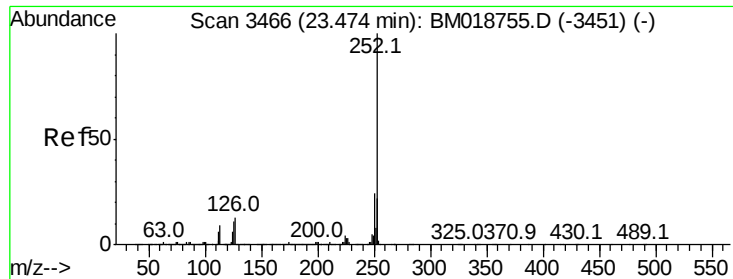
Delta R.T. -0.02 min

Lab File: BM018924.D

Acq: 25 Feb 2019 21:35

Tgt Ion:	252	Resp:	378884
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	12.7	8.2	12.4#





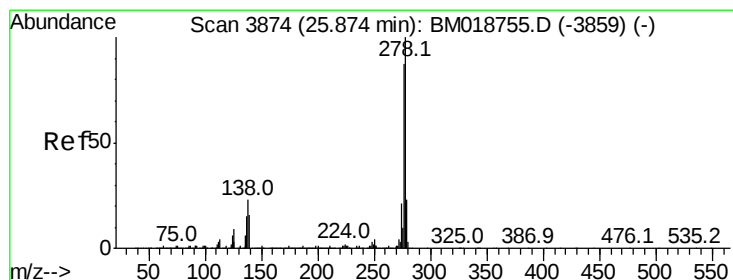
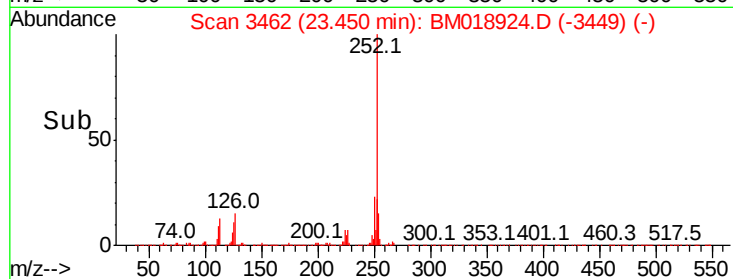
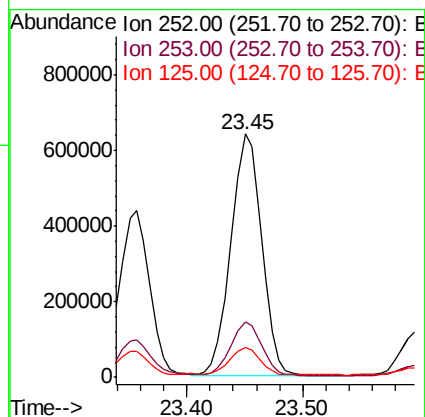
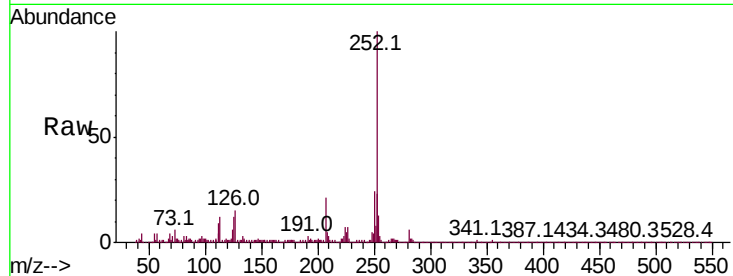
#90
Benzo(a)pyrene
Concen: 20.841 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Instrument :
BNA_M
ClientSampled :
TP-26

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.2	8.6	13.0

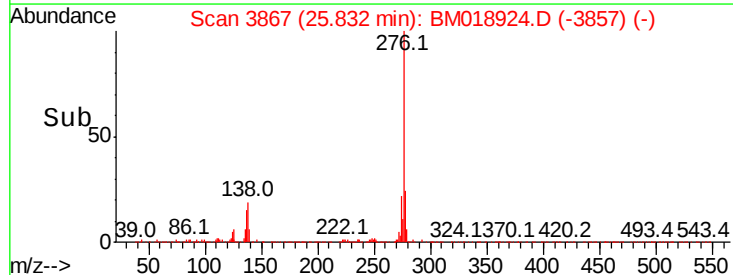
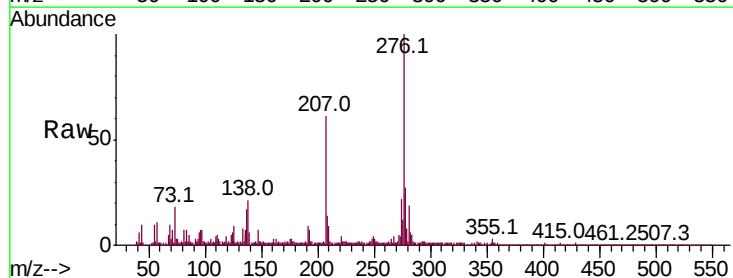
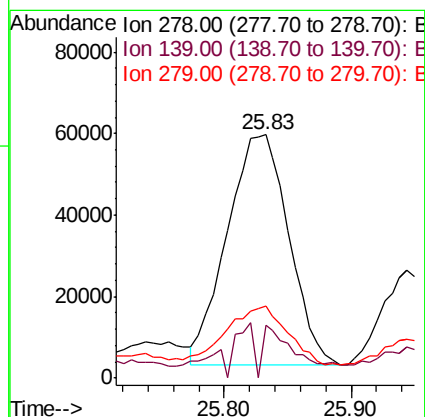
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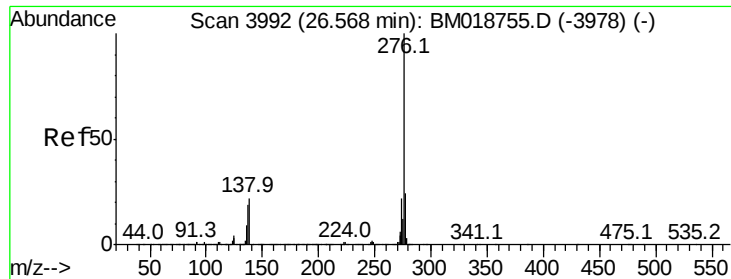
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 3.397 ng
RT: 25.83 min Scan# 3867
Delta R.T. -0.04 min
Lab File: BM018924.D
Acq: 25 Feb 2019 21:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	12.6	18.8#
279	29.4	18.6	28.0#





#92
 Benzo(a,h,i)perylene
 Concen: 12.707 ng
 RT: 26.53 min Scan# 3986
 Delta R.T. -0.04 min
 Lab File: BM018924.D
 Acq: 25 Feb 2019 21:35

Instrument :
 BNA_M
 ClientSampleId :
 TP-26

Tot Ion:	276	Resp:	664555
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.2	28.8
138	20.8	17.3	25.9

Manual Integrations
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