

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
 Data File : BM019060.D
 Acq On : 06 Mar 2019 06:41
 Operator : JU/SJ
 Sample : K1704-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B110-022719

Manual Integrations
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 3/6/2019 5:20:47 PM

Quant Time: Mar 06 07:20:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	262868	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1031527	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	572421	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1306054	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1367785	20.00	ng	-0.01
87) Perylene-d12	23.52	264	1305217	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	2003132	124.86	ng	0.00
7) Phenol-d6	6.86	99	2807277	124.21	ng	0.00
23) Nitrobenzene-d5	8.84	82	1761903	78.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.83	330	1095906	132.82	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	3345607	77.59	ng	-0.01
79) Terphenyl-d14	19.72	244	5230575	78.89	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.88	94	84664	3.560	ng	95
50) Dimethylphthalate	13.79	163	235370	4.934	ng	99
71) Phenanthrene	17.12	178	504099	7.182	ng	99
75) Fluoranthene	19.14	202	845199	10.425	ng	98
78) Pyrene	19.51	202	749126	9.430	ng	99
81) Benzo(a)anthracene	21.26	228	469366	5.887	ng	99
83) Chrysene	21.32	228	396559	5.189	ng	98
86) Indeno(1,2,3-cd)pyrene	25.79	276	177910	2.016	ng	96
88) Benzo(b)fluoranthene	22.84	252	461016m	6.174	ng	
89) Benzo(k)fluoranthene	22.89	252	166468m	2.239	ng	
90) Benzo(a)pyrene	23.42	252	323474	4.573	ng	96
92) Benzo(a,h,i)perylene	26.49	276	154918	2.374	ng	97

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

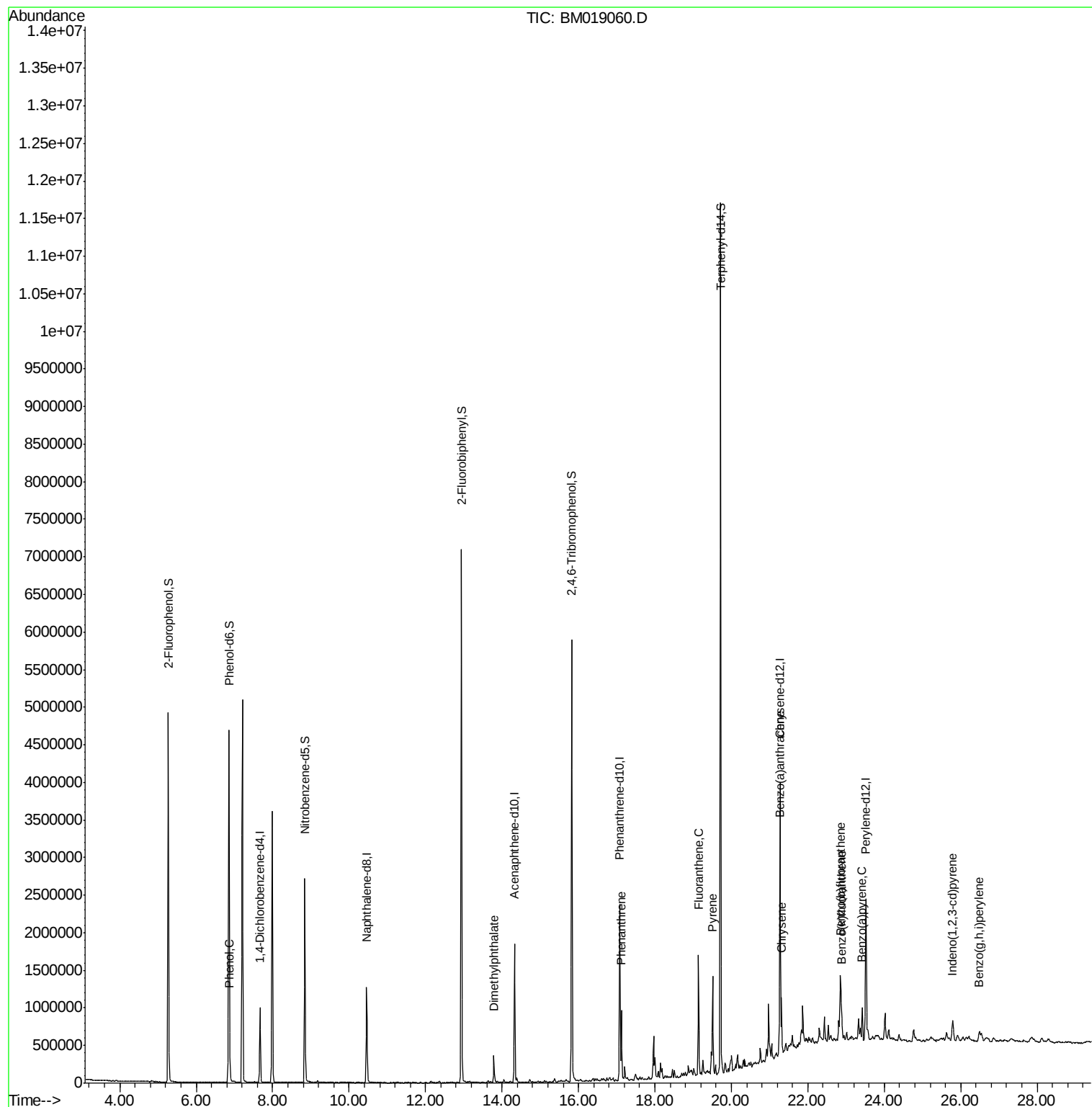
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019060.D
Acq On : 06 Mar 2019 06:41
Operator : JU/SJ
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PST-027-B110-022719

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Quant Time: Mar 06 07:20:55 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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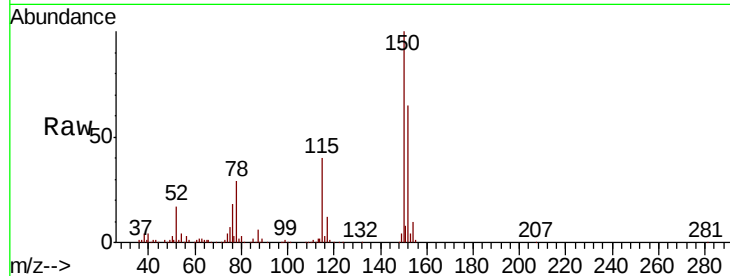
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.68 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BM019060.D
 Acq: 06 Mar 2019 06:41

Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.3	190.9
115	61.4	50.8	76.2

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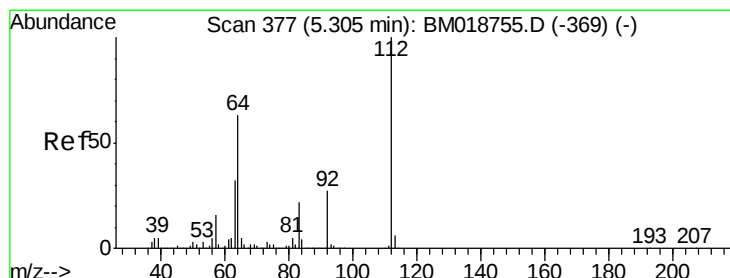
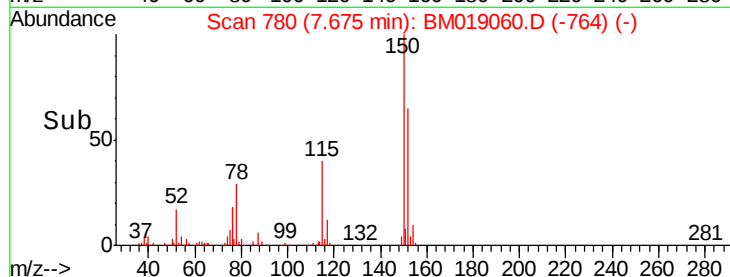
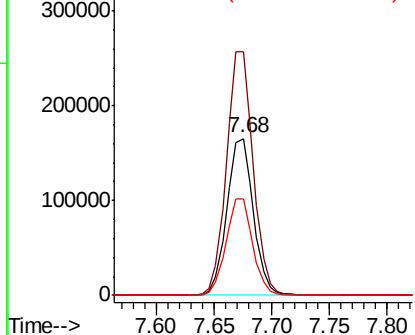


Abundance

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



#5
 2-Fluorophenol
 Concen: 124.857 ng
 RT: 5.27 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM019060.D
 Acq: 06 Mar 2019 06:41

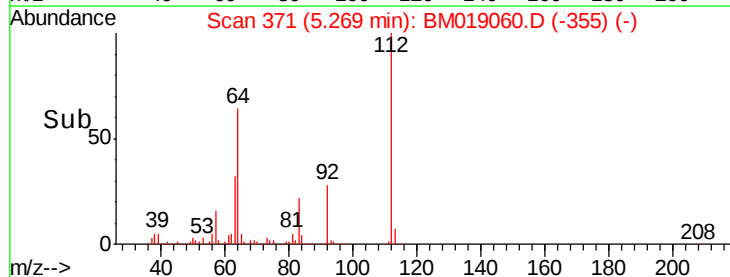
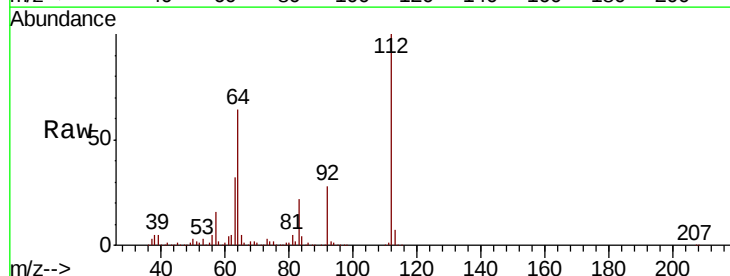
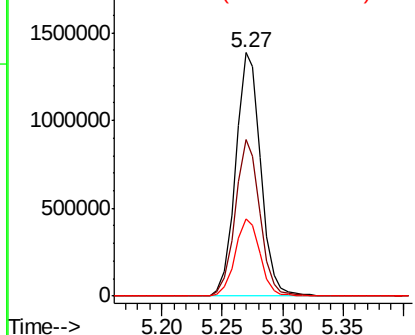
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	50.6	75.8
63	31.9	25.7	38.5

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





#7

Phenol-d6

Concen: 124.209 ng

RT: 6.86 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

Tot Ion: 99 Resp: 2807277

Ion Ratio Lower Upper

99 100

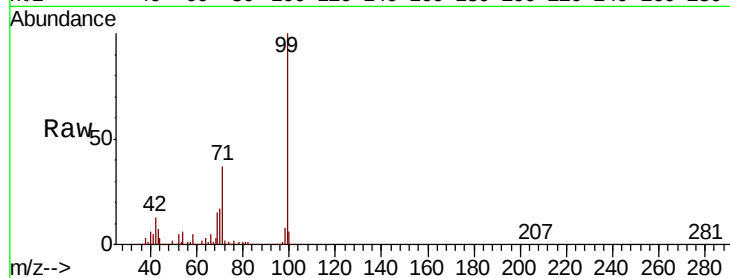
42 13.4 11.0 16.6

71 36.5 31.3 46.9

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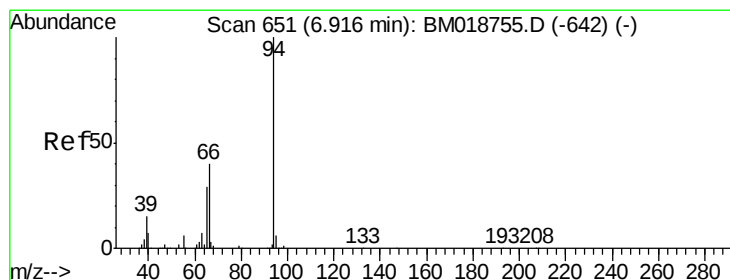
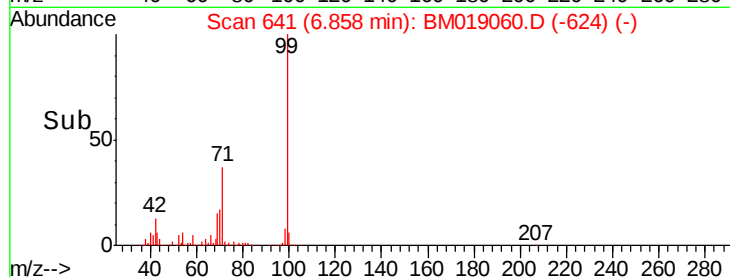
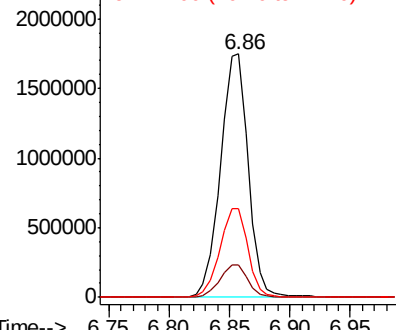
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Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

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

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



#10

Phenol

Concen: 3.560 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

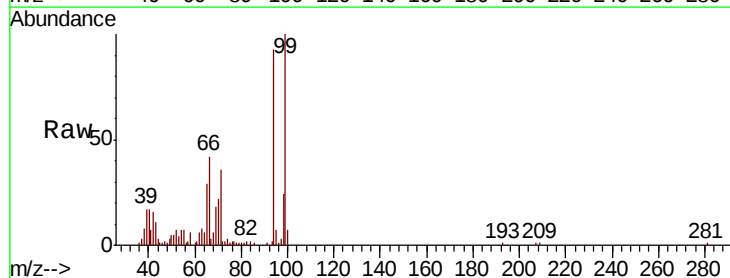
Tgt Ion: 94 Resp: 84664

Ion Ratio Lower Upper

94 100

65 31.1 9.6 49.6

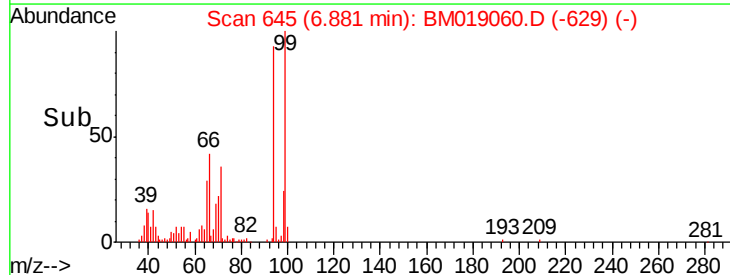
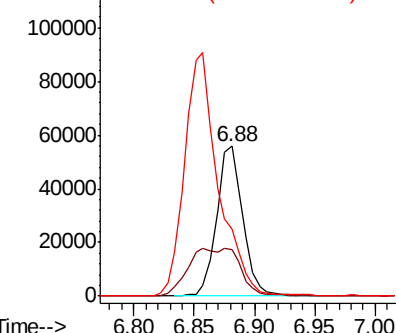
66 45.0 20.4 60.4

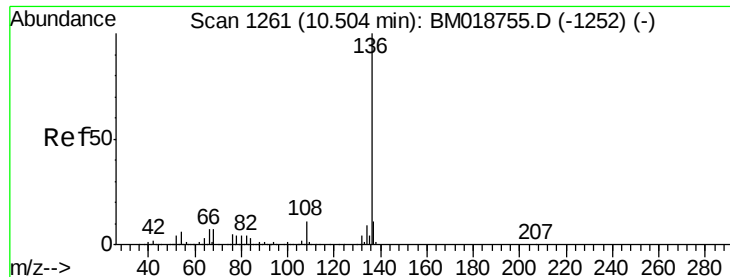


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)





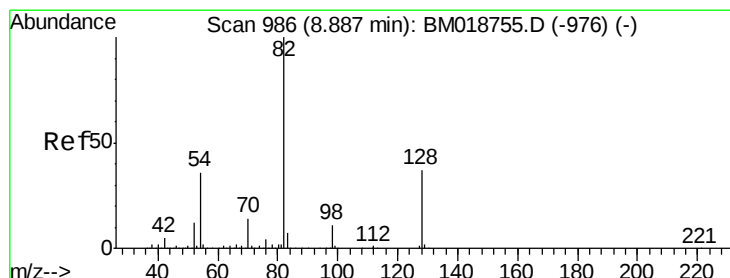
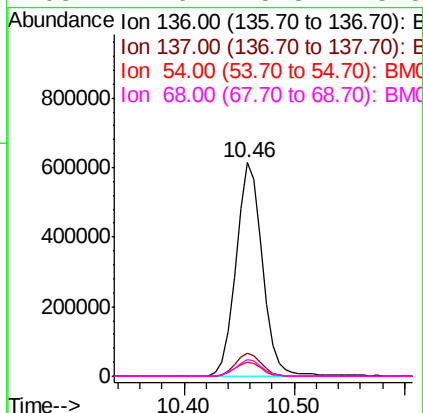
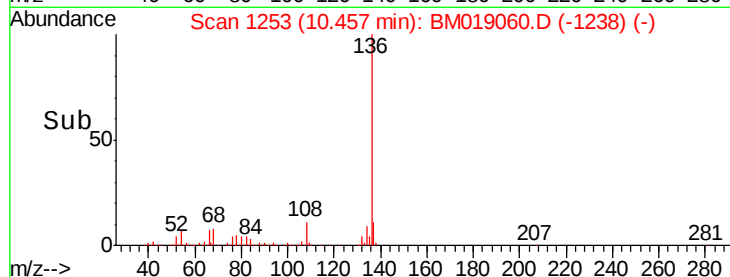
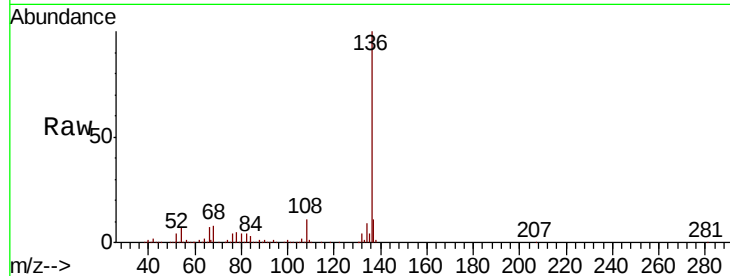
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	6.6	5.0	7.6	
68	7.6	5.5	8.3	

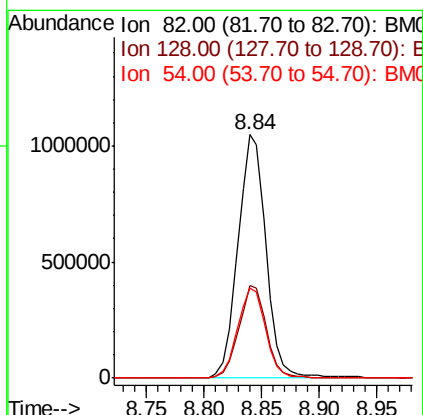
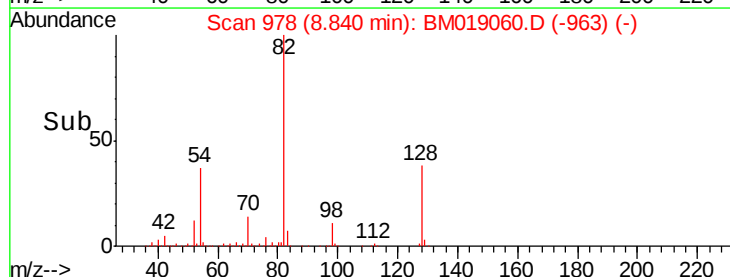
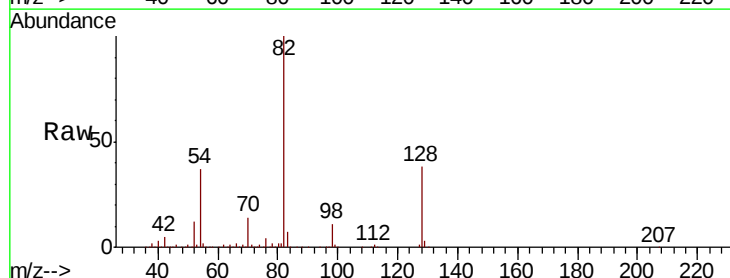
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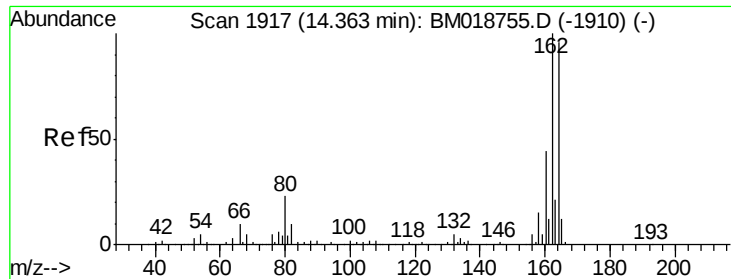
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#23
Nitrobenzene-d5
Concen: 78.978 ng
RT: 8.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
128	37.8	29.9	44.9	
54	37.0	29.1	43.7	





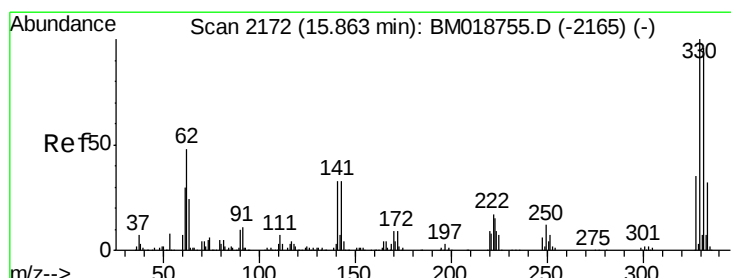
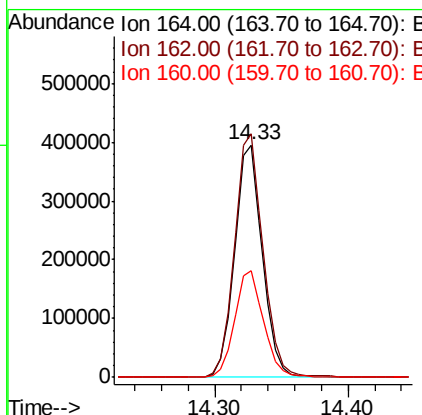
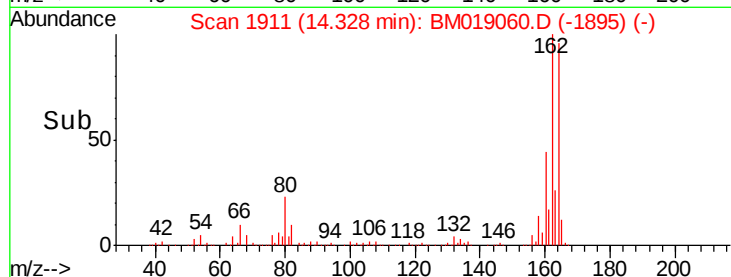
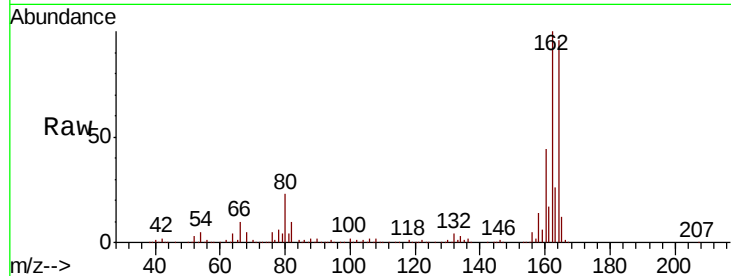
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.4	125.0
160	46.0	36.6	55.0

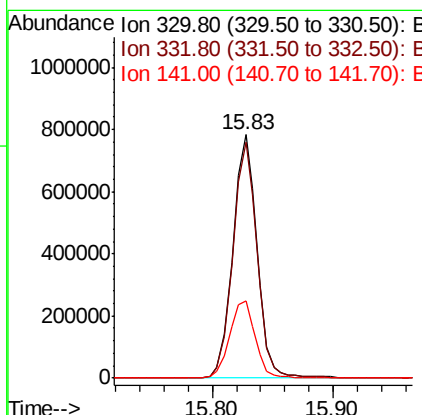
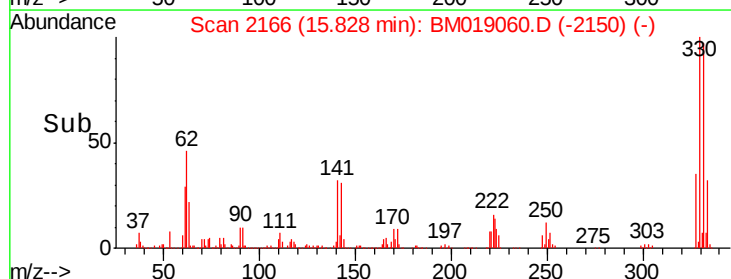
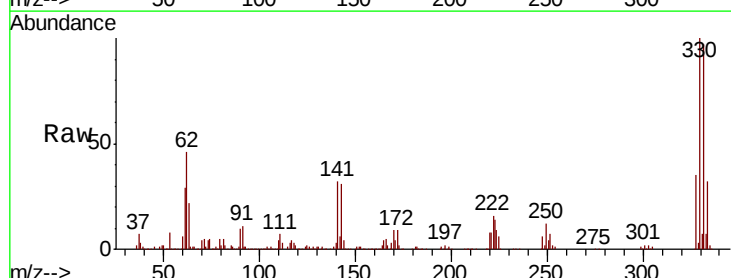
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#42
2,4,6-Tribromophenol
Concen: 132.816 ng
RT: 15.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	33.7	28.7	43.1





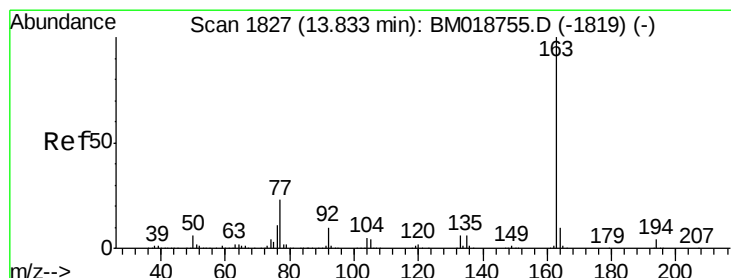
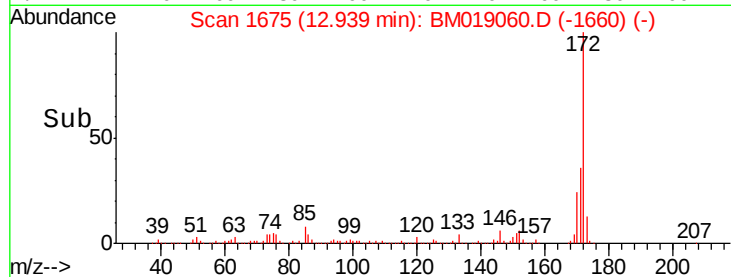
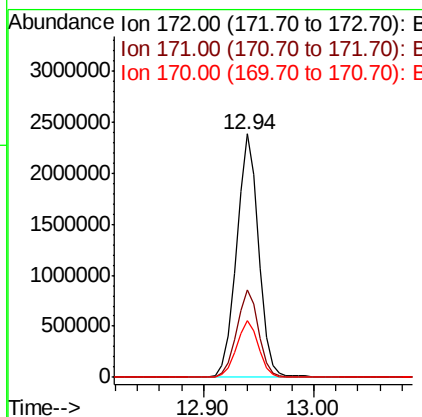
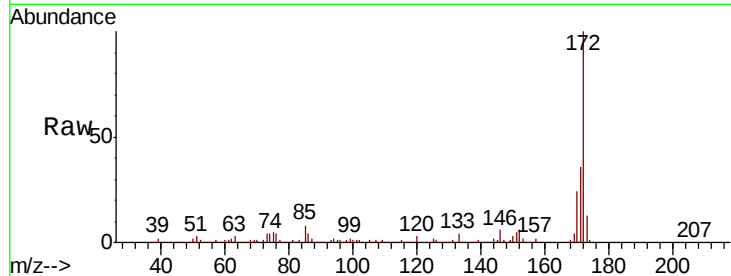
#45
2-Fluorobiphenyl
Concen: 77.586 ng
RT: 12.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	23.5	18.6	28.0

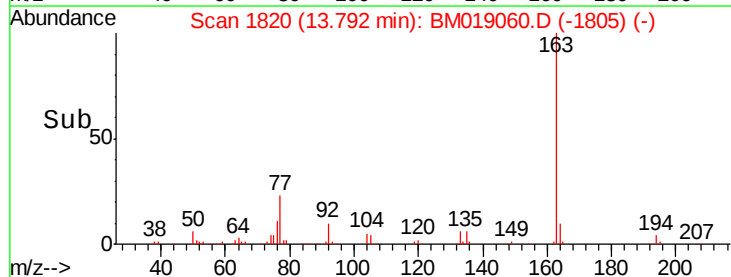
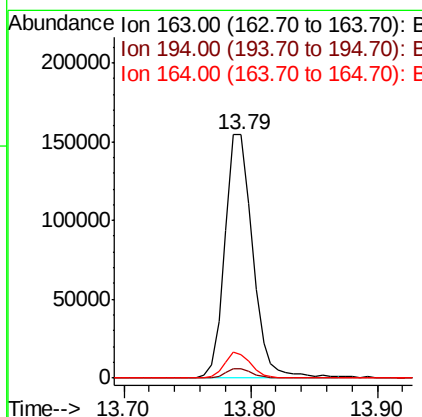
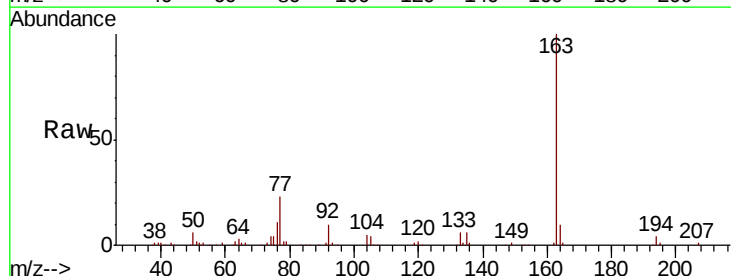
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#50
Dimethylphthalate
Concen: 4.934 ng
RT: 13.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	7.8	11.8





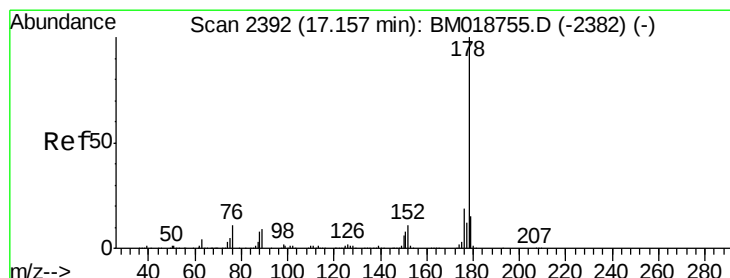
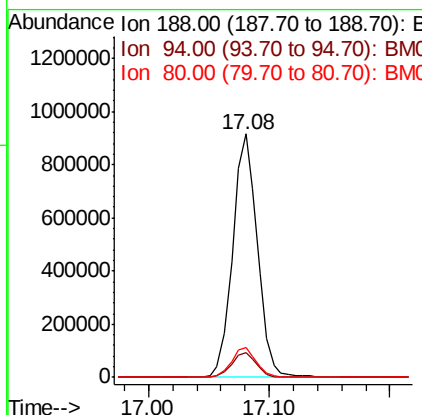
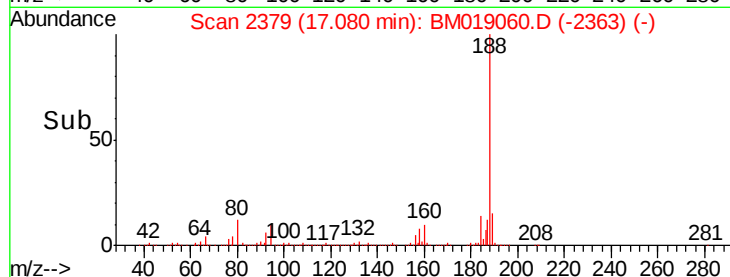
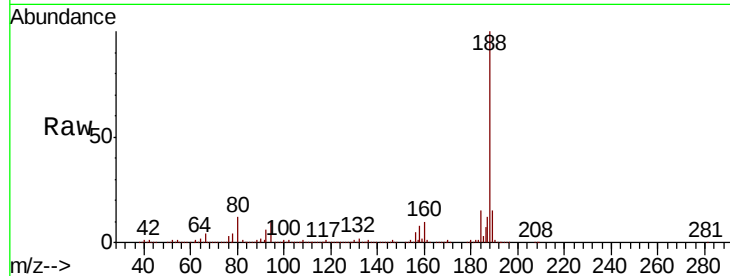
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	12.3	9.7	14.5

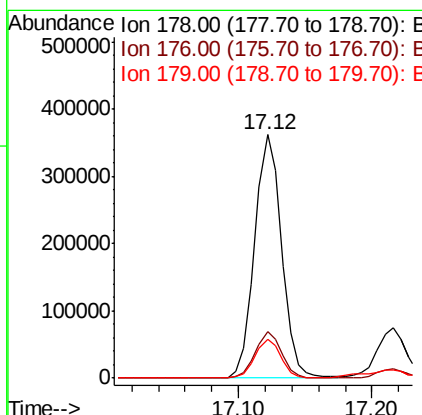
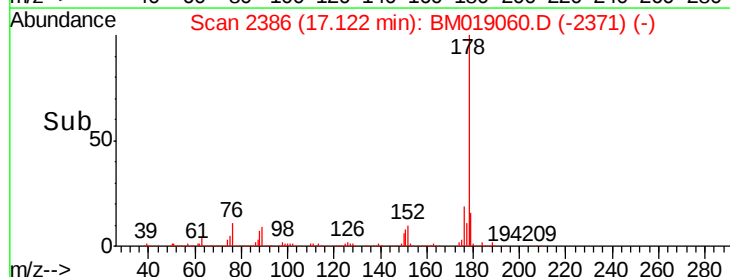
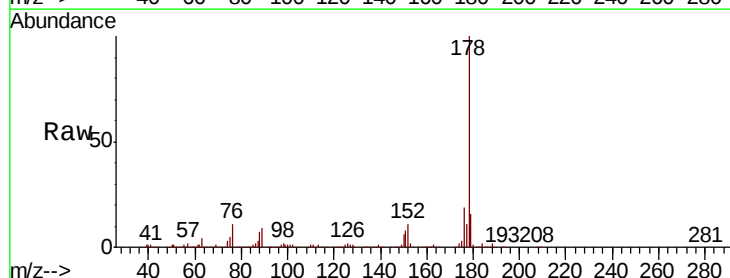
Manual Integrations
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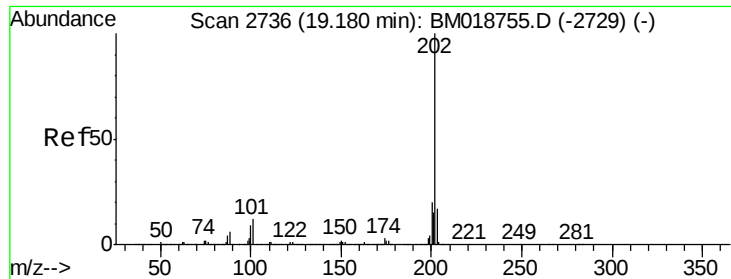
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#71
Phenanthrene
Concen: 7.182 ng
RT: 17.12 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.8	12.3	18.5





#75

Fluoranthene

Concen: 10.425 ng

RT: 19.14 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

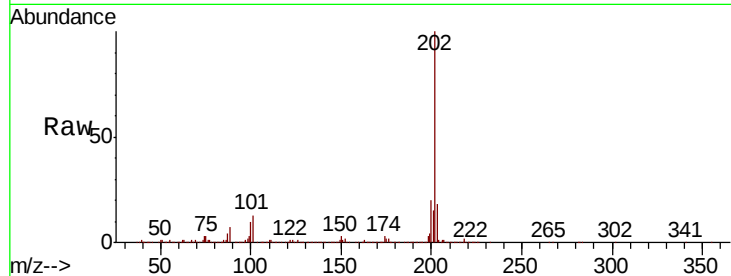
ClientSampleId :

PST-027-B110-022719

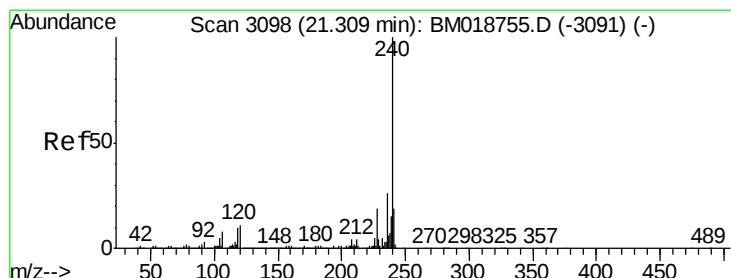
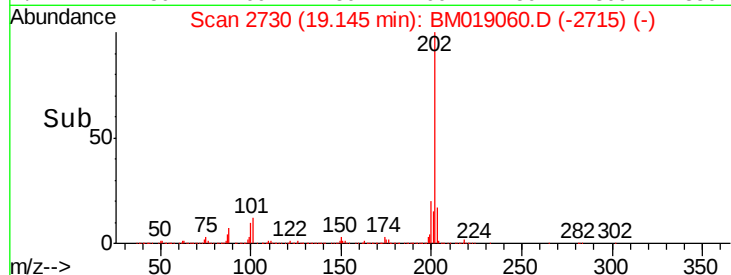
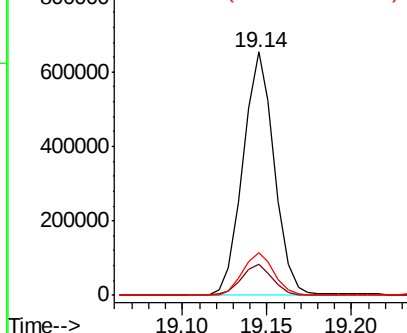
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		845199		
101	12.5	0.0	31.5		
203	17.7	0.0	37.3		

Manual Integrations
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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: 21.27 min Scan# 3092

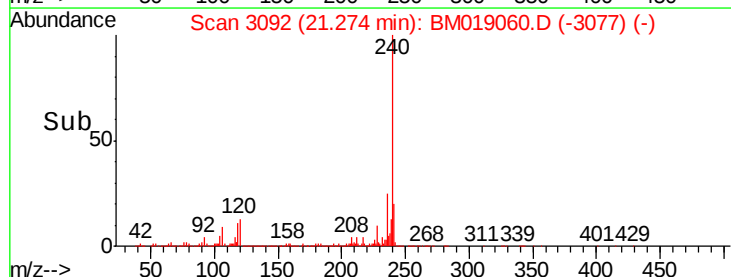
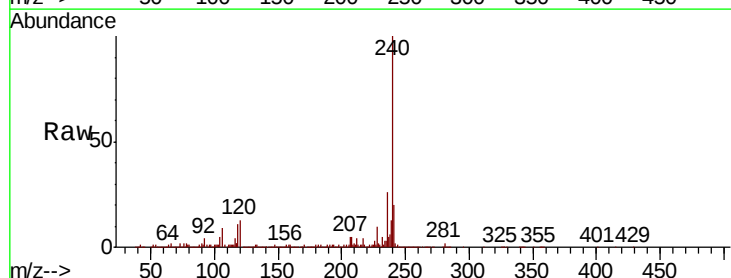
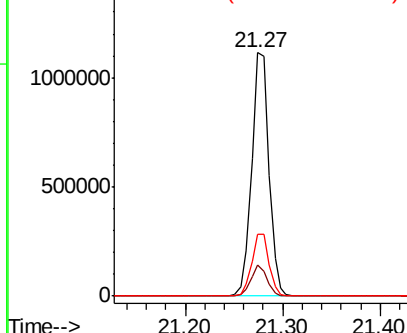
Delta R.T. -0.01 min

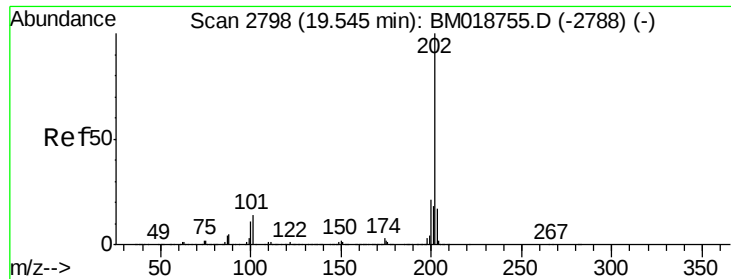
Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		1367785		
120	12.7	8.9	13.3		
236	25.6	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





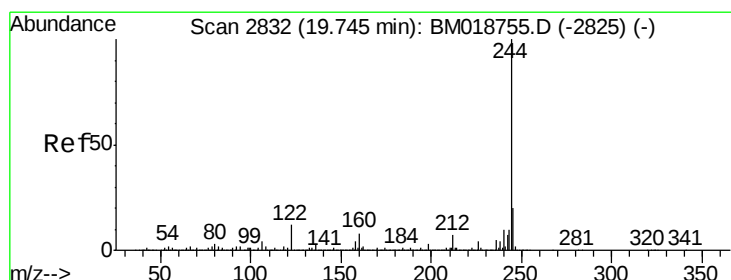
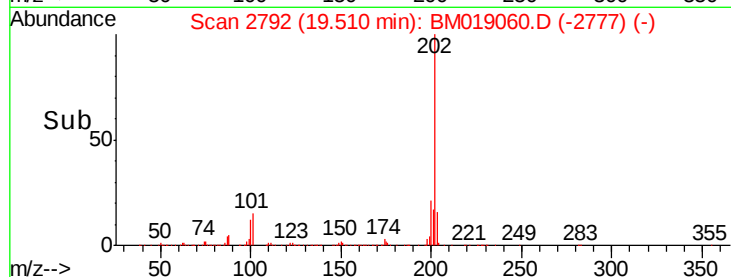
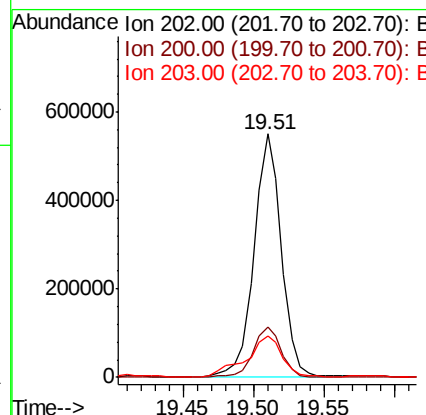
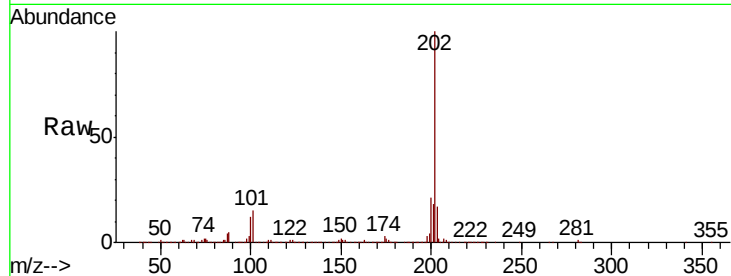
#78
Pvrene
Concen: 9.430 ng
RT: 19.51 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.0	13.8	20.8

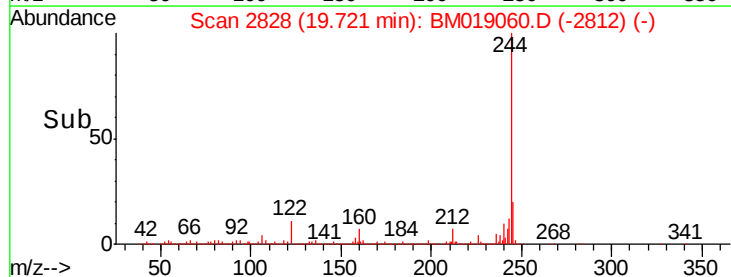
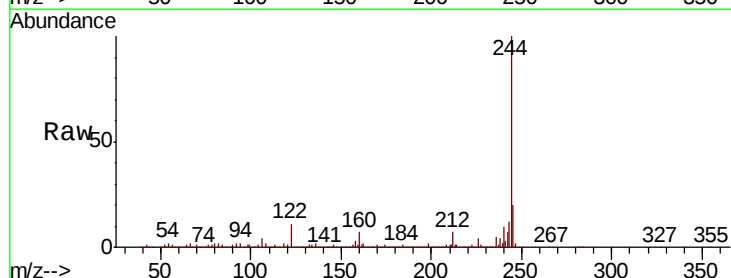
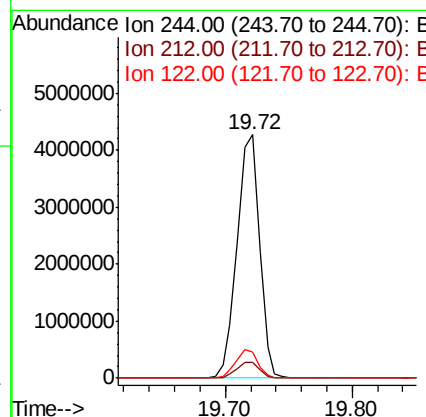
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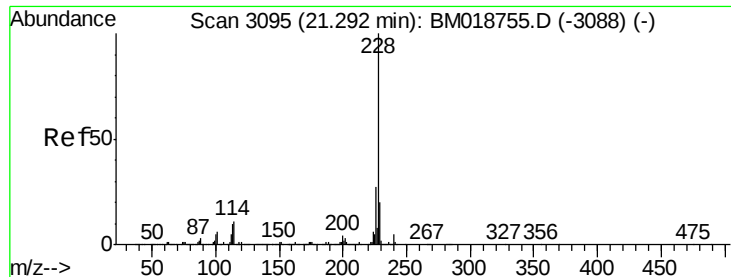
Sohil
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#79
Terphenyl-d14
Concen: 78.888 ng
RT: 19.72 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.6	9.3	13.9





#81

Benzo(a)anthracene

Concen: 5.887 ng

RT: 21.26 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

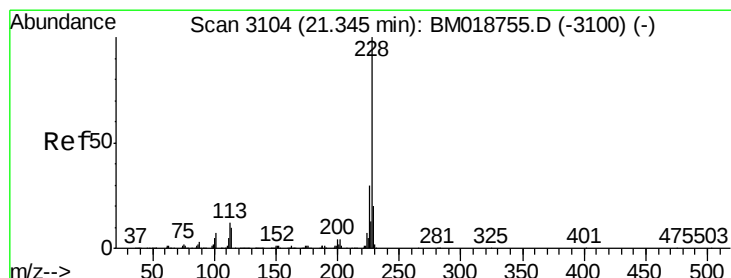
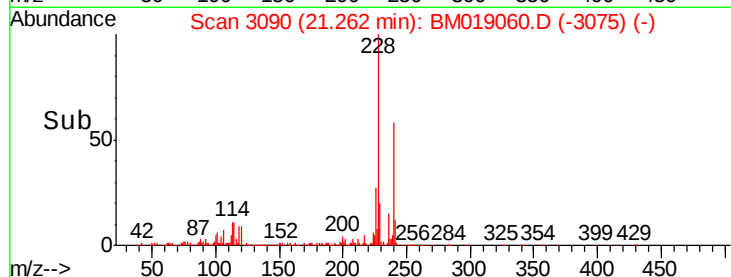
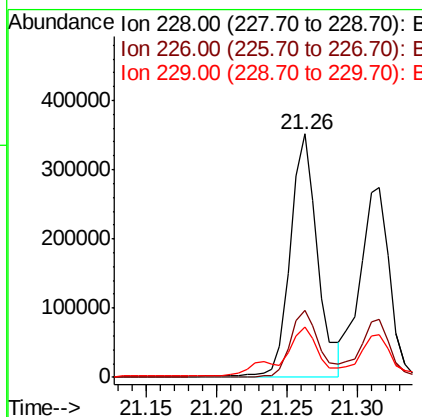
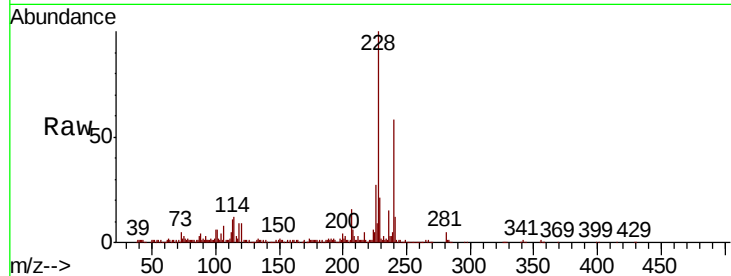
ClientSampleId :

PST-027-B110-022719

Tot Ion:	228	Resp:	469366
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.9	32.9
229	20.8	15.9	23.9

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#83

Chrysene

Concen: 5.189 ng

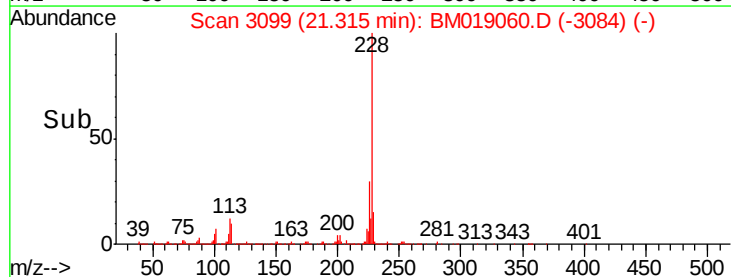
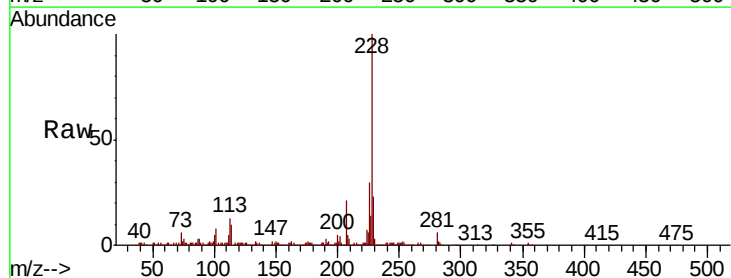
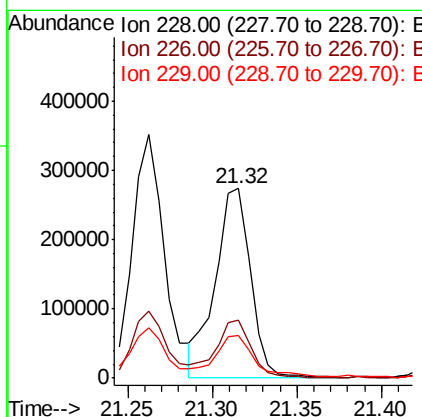
RT: 21.32 min Scan# 3099

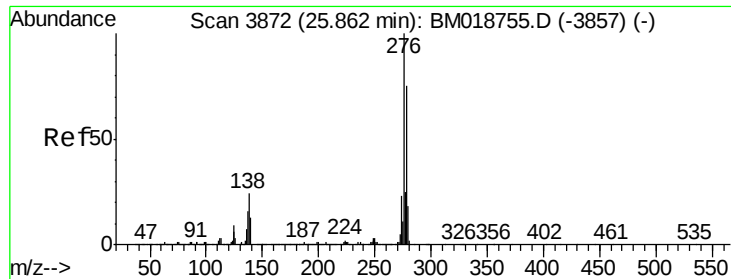
Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Tgt Ion:	228	Resp:	396559
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	22.6	16.0	24.0





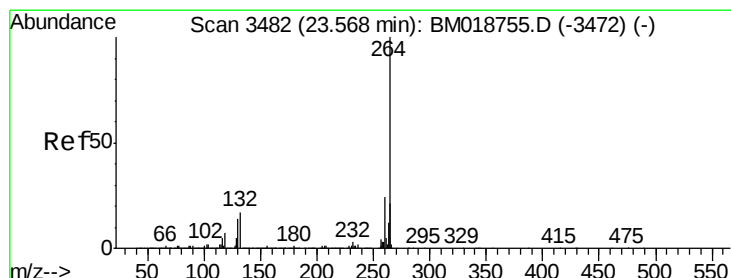
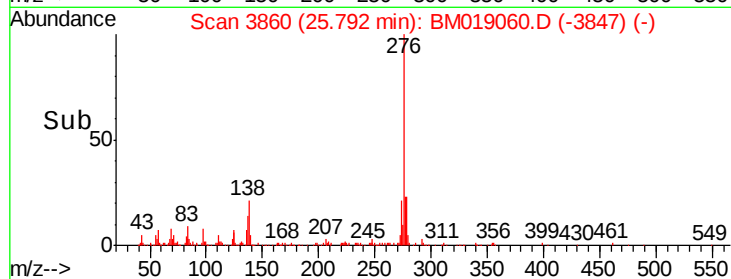
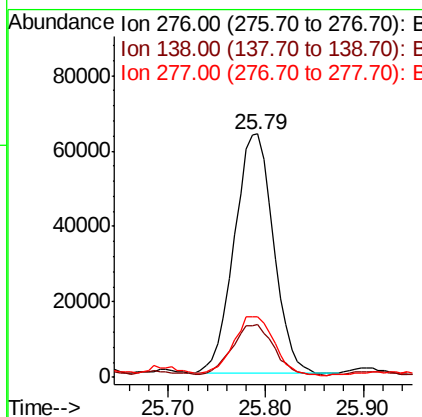
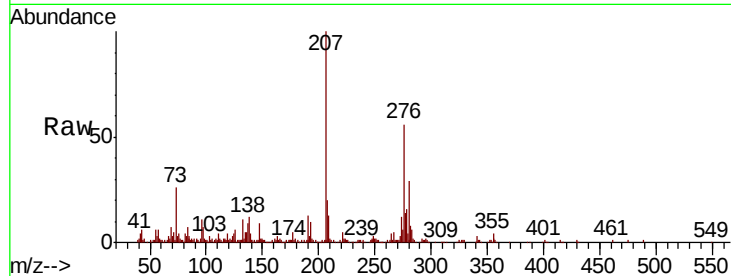
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.016 ng
RT: 25.79 min Scan# 3860
Delta R.T. -0.02 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.2	30.4
277	26.0	20.3	30.5

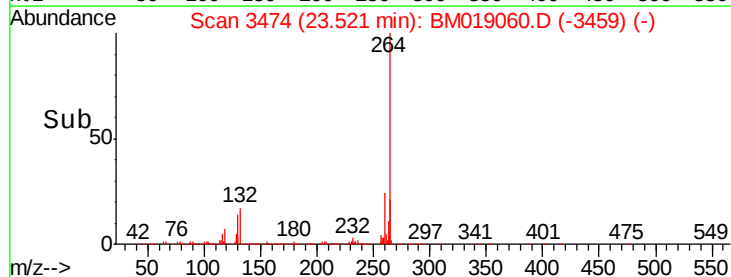
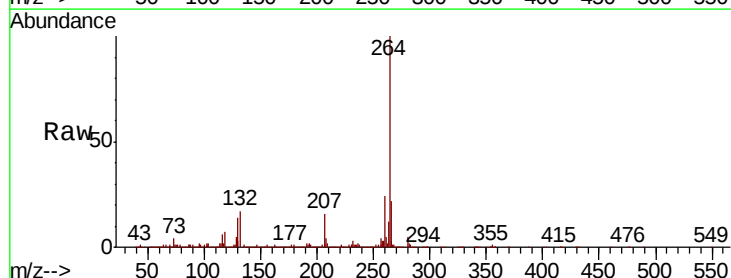
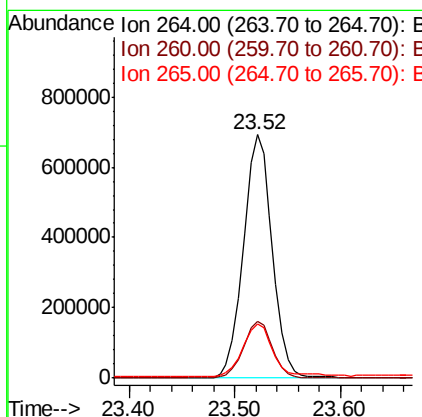
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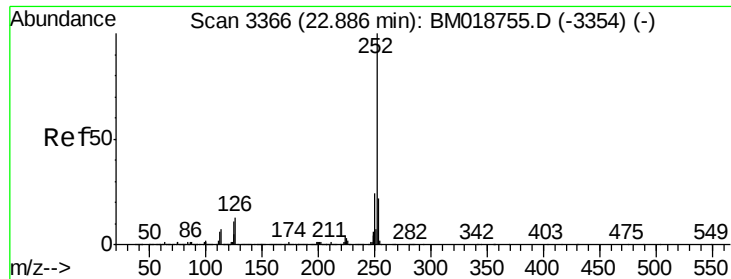
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3474
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.3	25.9





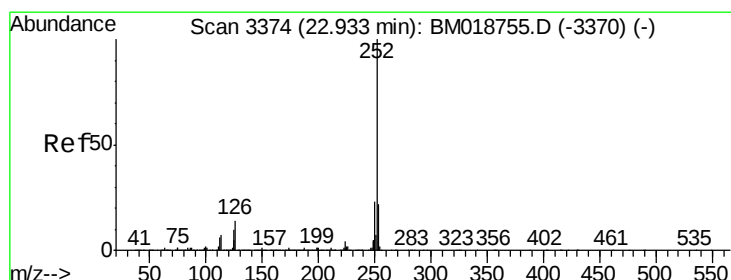
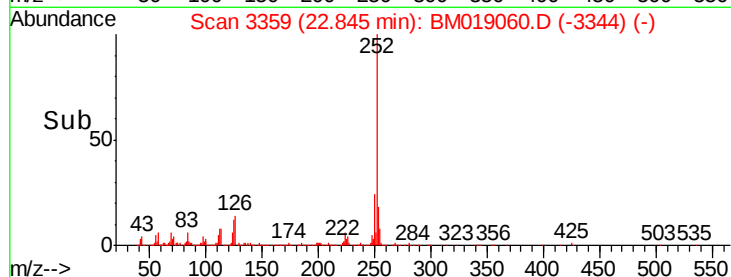
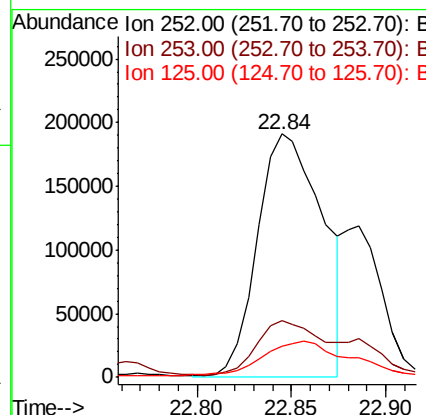
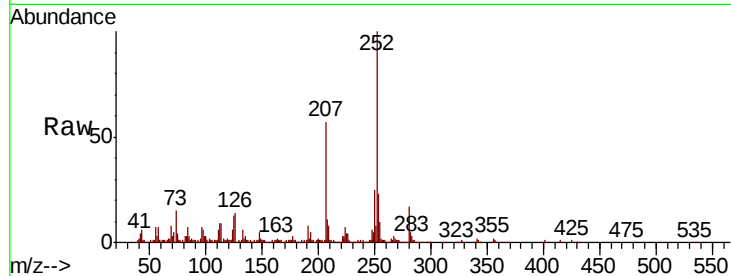
#88
Benzo(b)fluoranthene
Concen: 6.174 ng m
RT: 22.84 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.6	8.6	12.8

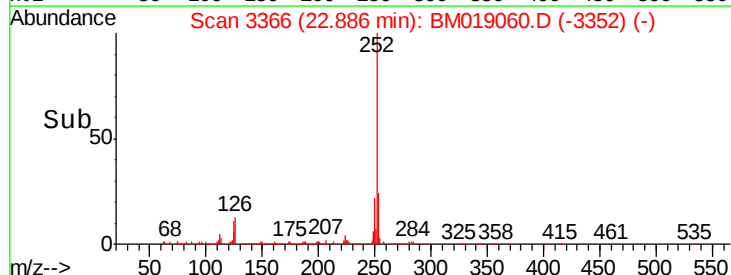
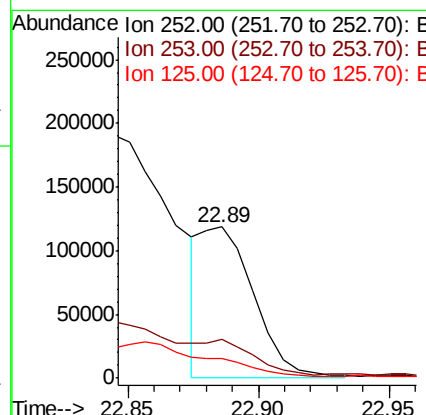
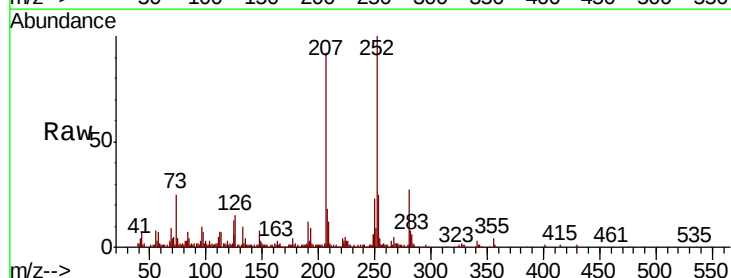
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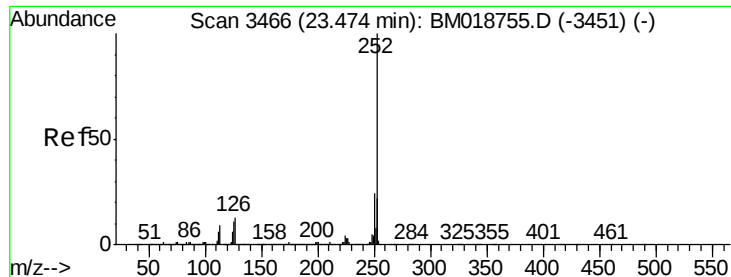
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#89
Benzo(k)fluoranthene
Concen: 2.239 ng m
RT: 22.89 min Scan# 3366
Delta R.T. -0.02 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	12.9	8.2	12.4#





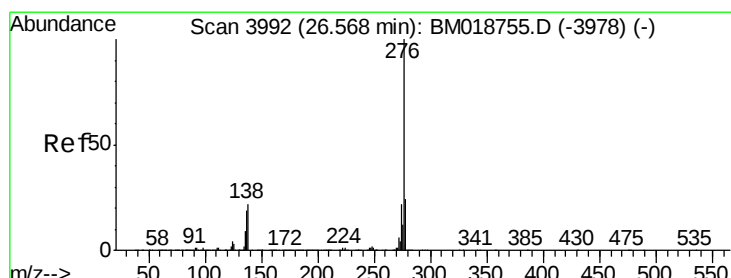
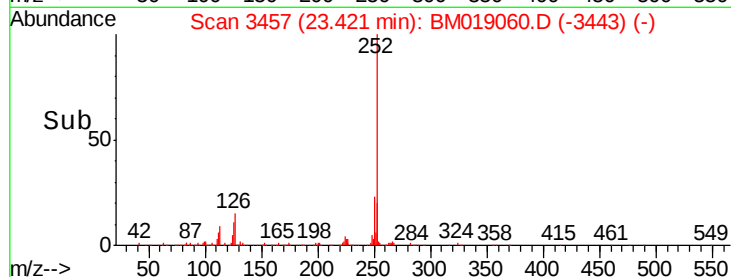
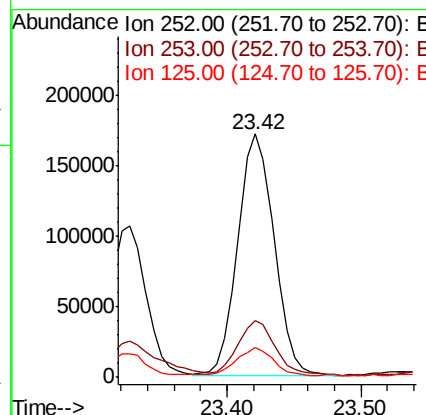
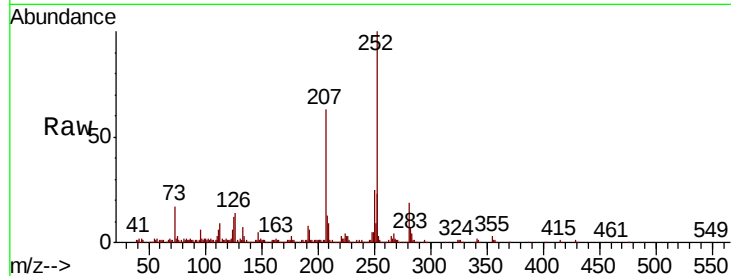
#90
Benzo(a)pyrene
Concen: 4.573 ng
RT: 23.42 min Scan# 3457
Delta R.T. -0.02 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	12.4	8.6	13.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.374 ng
RT: 26.49 min Scan# 3978
Delta R.T. -0.03 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.2	28.8
138	22.0	17.3	25.9

