

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051219\
 Data File : BM020306.D
 Acq On : 12 May 2019 19:42
 Operator : JU/SJ
 Sample : K2766-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-0002-01

Manual Integrations
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 5/14/2019 8:07:39 PM

Quant Time: May 16 18:36:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	62597	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	207315	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	128407	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	323757	20.00	ng	-0.02
76) Chrysene-d12	21.36	240	392877	20.00	ng	-0.01
87) Perylene-d12	23.64	264	485317	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	475108	124.06	ng	-0.02
7) Phenol-d6	6.93	99	650179	124.28	ng	-0.02
23) Nitrobenzene-d5	8.93	82	439208	83.64	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	252179	126.52	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	701780	67.24	ng	-0.03
79) Terphenyl-d14	19.79	244	1196953	53.14	ng	-0.02
Target Compounds						
31) Naphthalene	10.60	128	47148	4.382	ng	99
37) 2-Methylnaphthalene	12.22	142	21090	2.689	ng	95
49) Acenaphthylene	14.13	152	271369	20.094	ng	99
50) Dimethylphthalate	13.87	163	138078	12.652	ng	100
71) Phenanthrene	17.20	178	849599	47.539	ng	99
72) Anthracene	17.29	178	220038	12.314	ng	99
75) Fluoranthene	19.23	202	1725684	76.317	ng	99
78) Pyrene	19.59	202	3567691	135.256	ng	99
81) Benzo(a)anthracene	21.34	228	1324481m	48.071	ng	
83) Chrysene	21.39	228	1567162m	58.649	ng	
86) Indeno(1,2,3-cd)pyrene	25.97	276	871194	27.410	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1674395m	52.247	ng	
89) Benzo(k)fluoranthene	22.99	252	403581m	13.805	ng	
90) Benzo(a)pyrene	23.54	252	1154259	39.652	ng	98
91) Dibenzo(a,h)anthracene	25.97	278	223730	7.390	ng	# 96
92) Benzo(g,h,i)perylene	26.70	276	1032644	35.929	ng	99

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

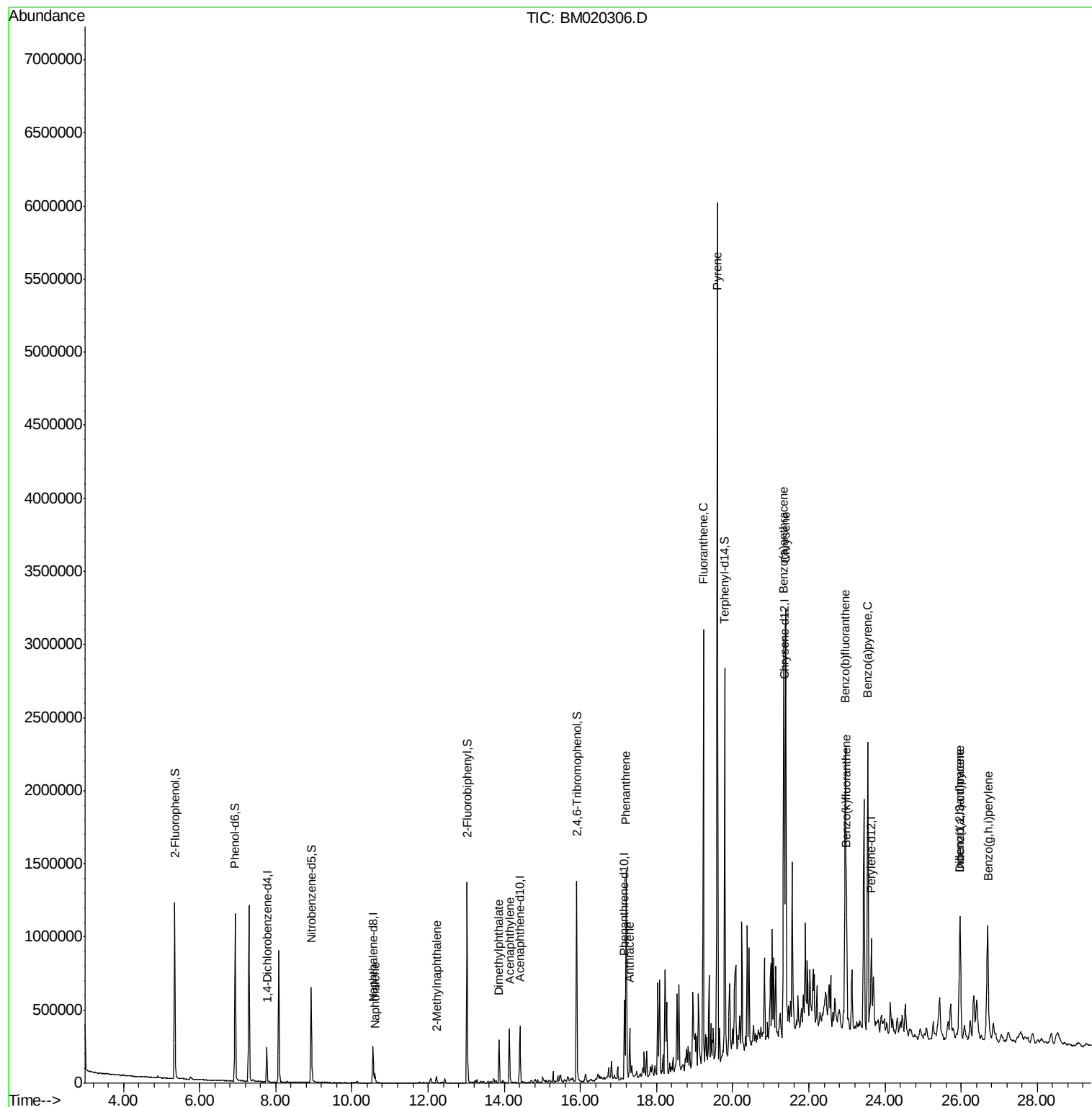
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051219\
Data File : BM020306.D
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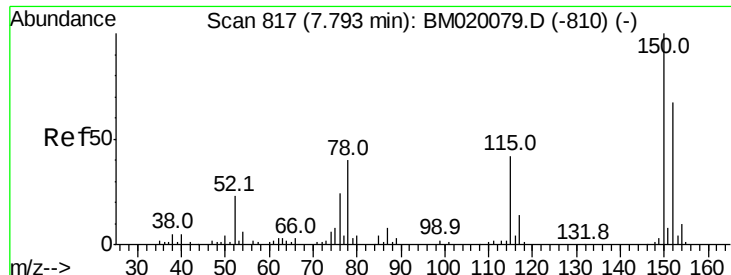
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
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#1

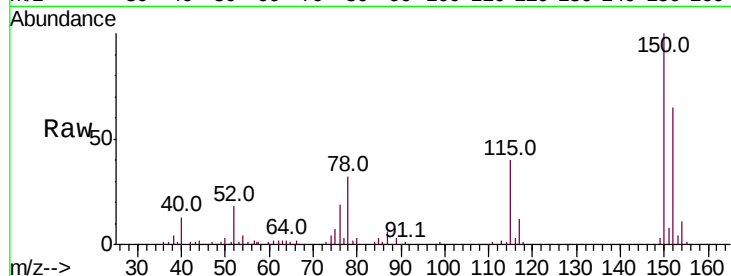
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Instrument :
BNA_M
ClientSampleId :
P026-SS009-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	119.8	179.8
115	62.0	50.8	76.2

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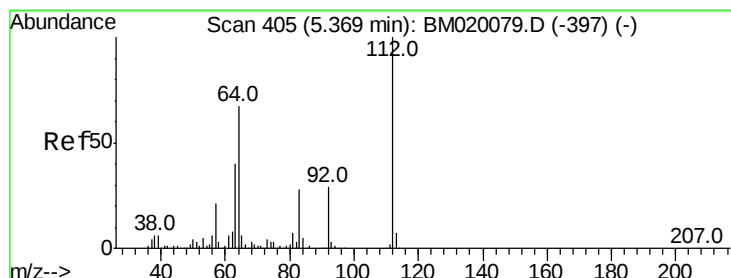
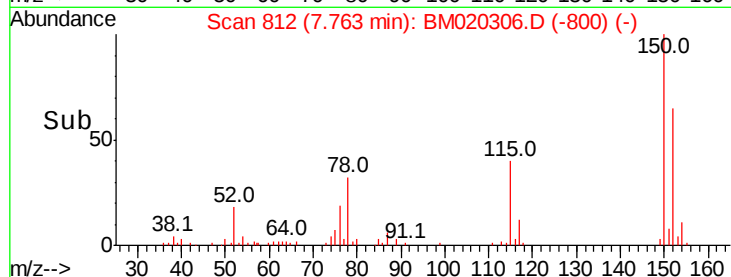
Abundance

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

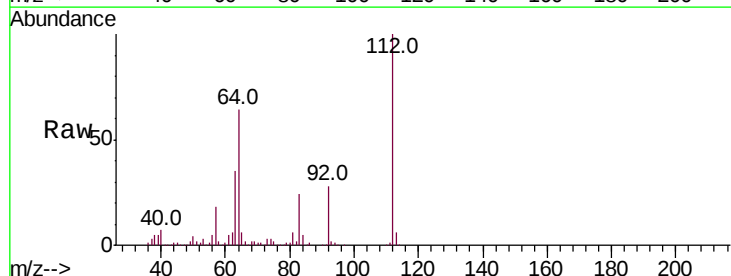
Time-->



#5

2-Fluorophenol
Concen: 124.065 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.8	80.6
63	35.0	32.3	48.5



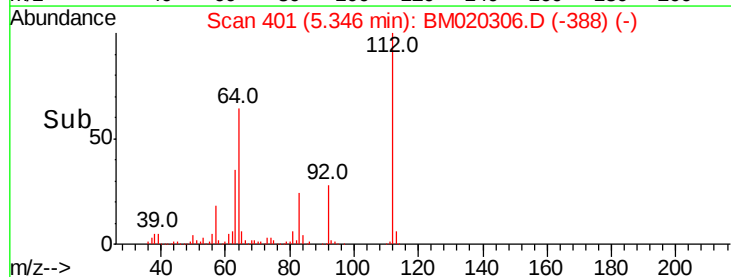
Abundance

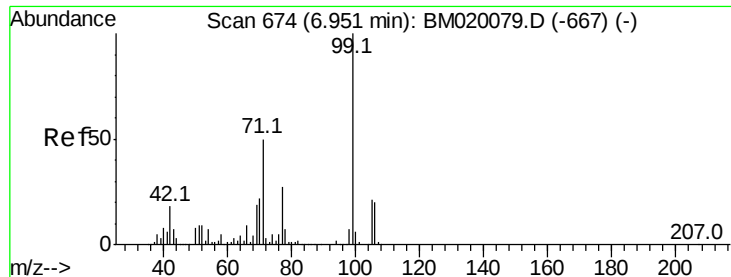
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

Time-->





#7

Phenol-d6

Concen: 124.278 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

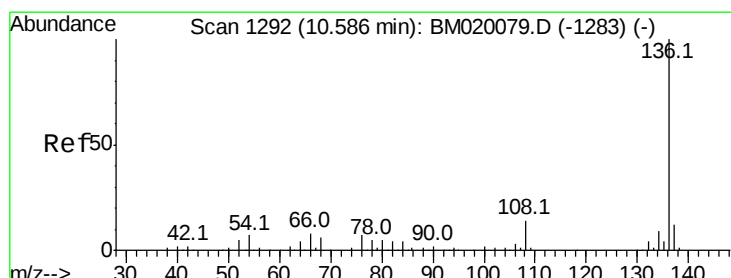
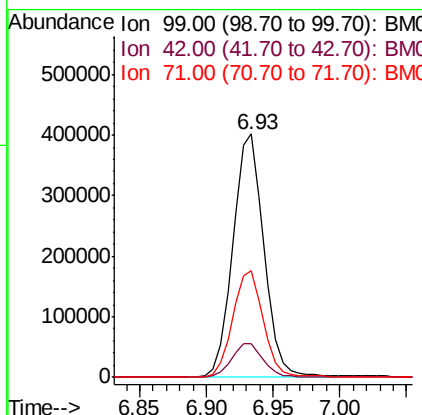
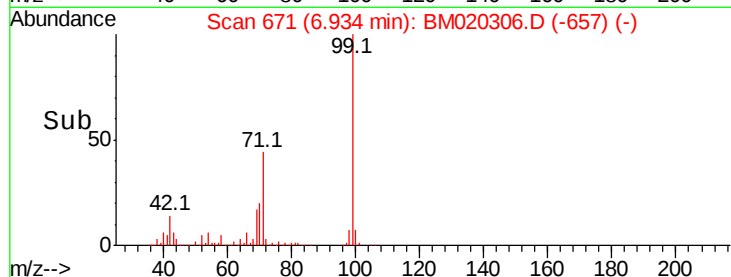
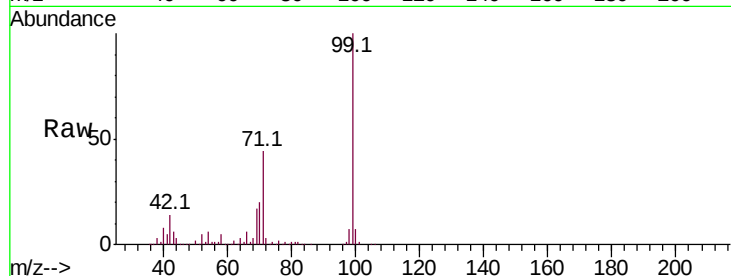
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	99	Resp:	650179
Ion Ratio	Lower	Upper	
99	100		
42	13.6	14.2	21.2#
71	43.9	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

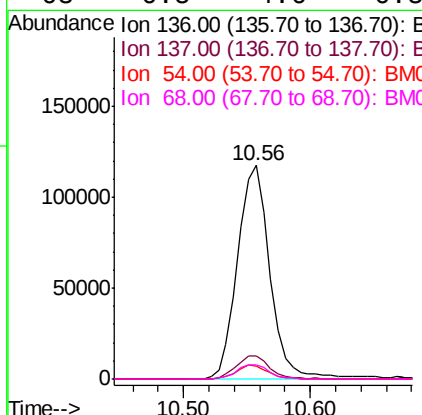
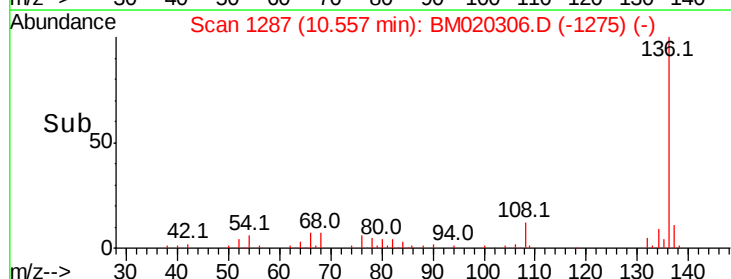
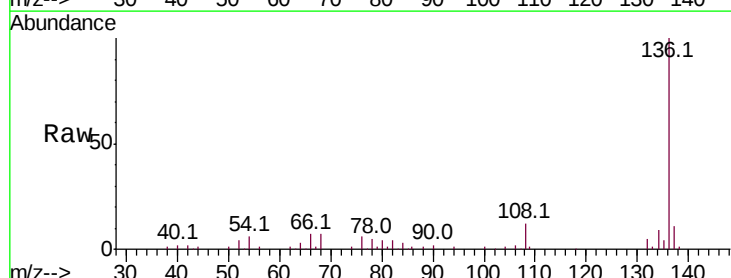
RT: 10.56 min Scan# 1287

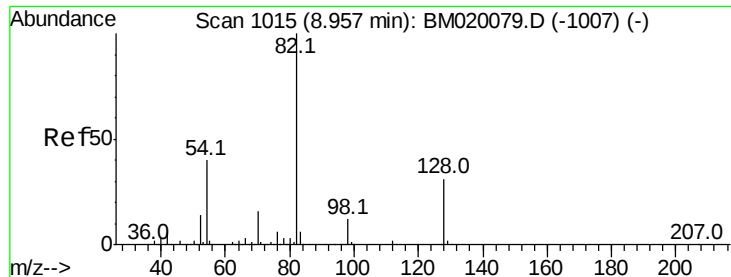
Delta R.T. -0.03 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	136	Resp:	207315
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.6	14.4
54	6.1	5.5	8.3
68	6.5	4.6	6.8





#23

Nitrobenzene-d5

Concen: 83.641 ng

RT: 8.93 min Scan# 1010

Delta R.T. -0.03 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

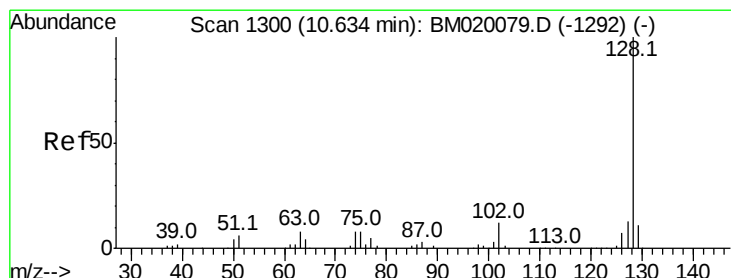
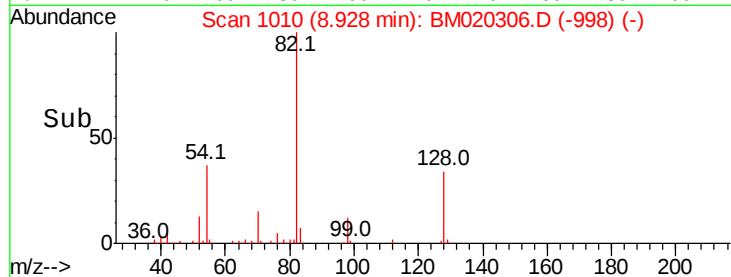
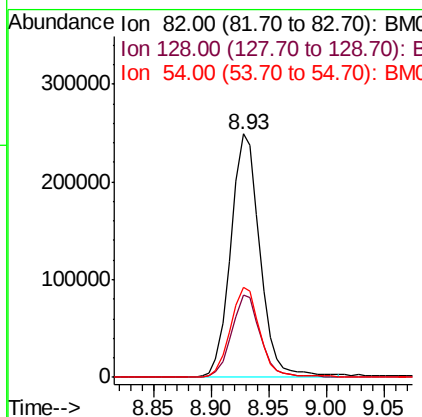
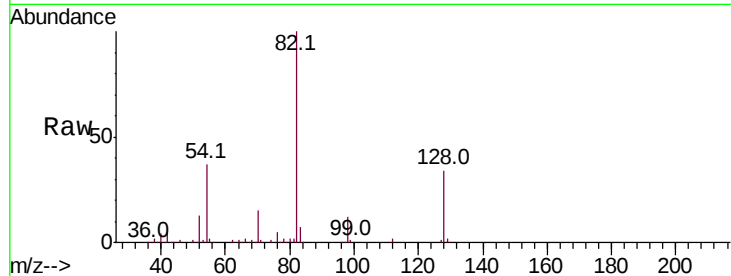
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	82	Resp:	439208
Ion Ratio	Lower	Upper	
82	100		
128	34.0	25.2	37.8
54	37.1	31.9	47.9

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#31

Naphthalene

Concen: 4.382 ng

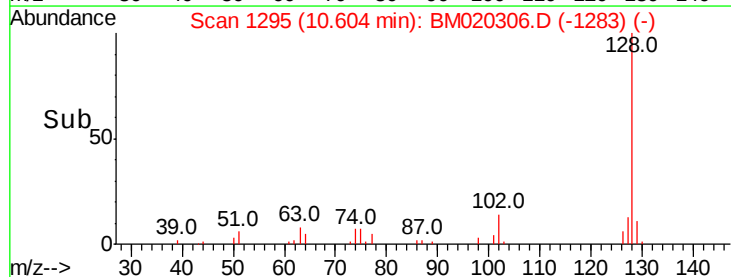
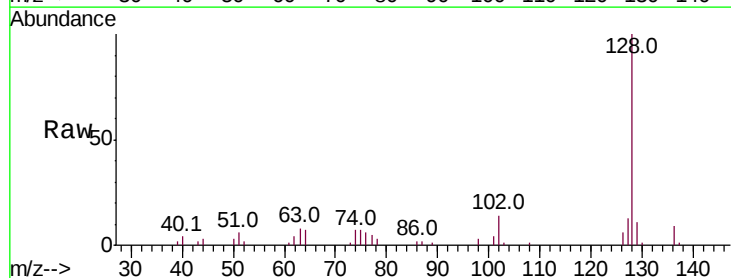
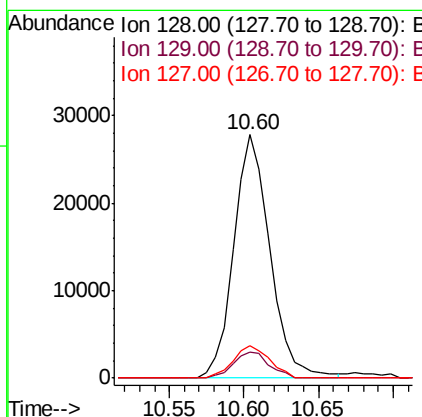
RT: 10.60 min Scan# 1295

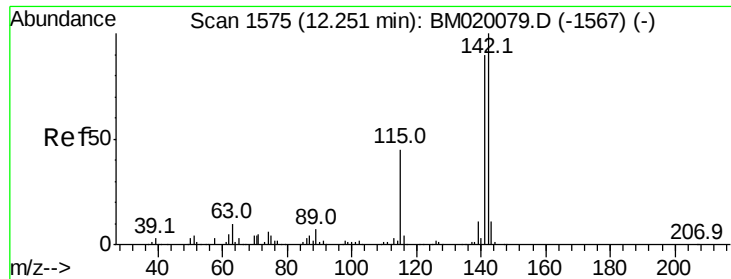
Delta R.T. -0.03 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	128	Resp:	47148
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.0	13.4
127	13.1	10.4	15.6





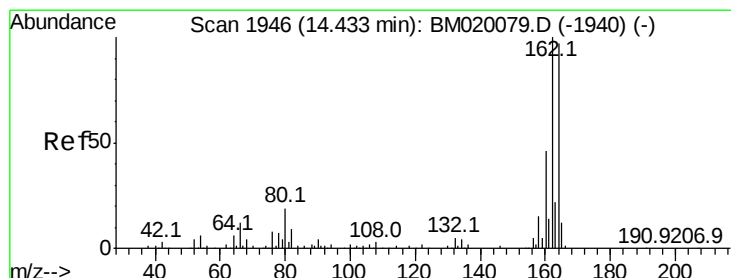
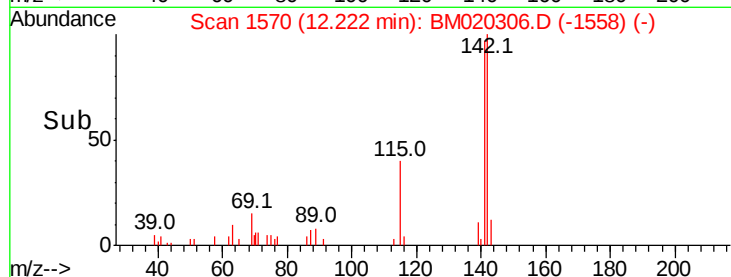
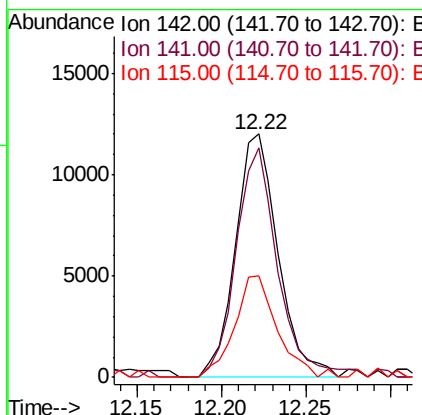
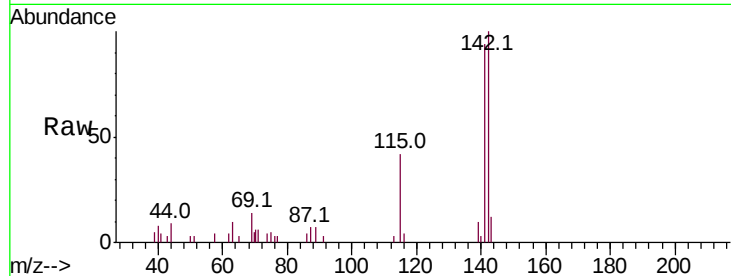
#37
2-Methylnaphthalene
Concen: 2.689 ng
RT: 12.22 min Scan# 1570
Delta R.T. -0.03 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Instrument :
BNA_M
ClientSampleId :
P026-SS009-0002-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	71.6	107.4
115	41.8	35.8	53.6

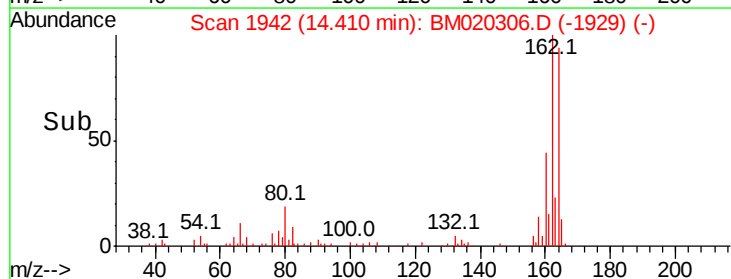
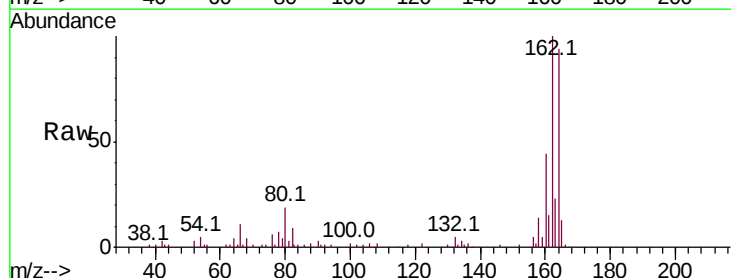
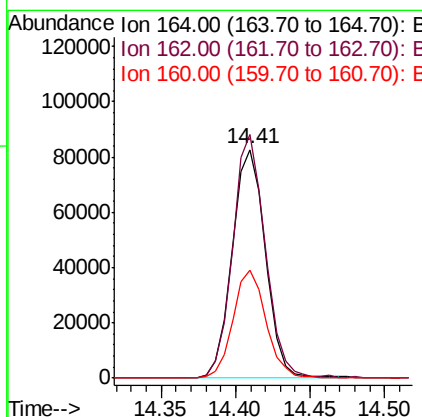
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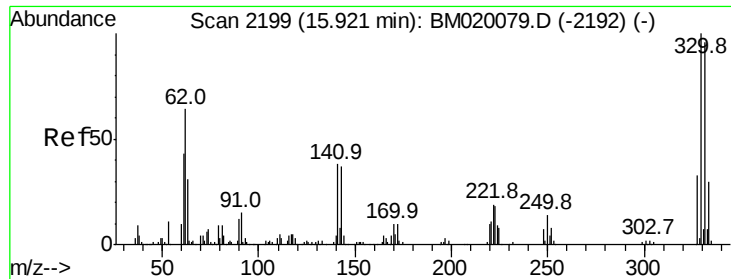
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.2	123.2
160	47.0	37.6	56.4





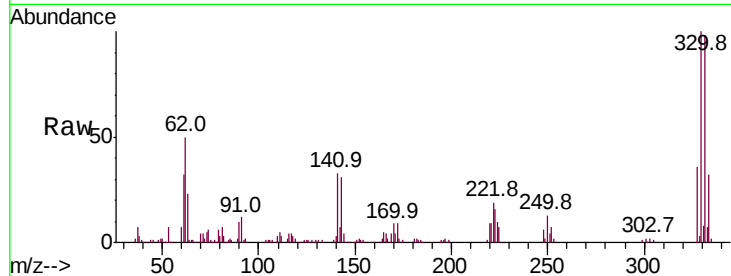
#42
 2,4,6-Tribromophenol
 Concen: 126.525 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020306.D
 Acq: 12 May 2019 19:42

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-0002-01

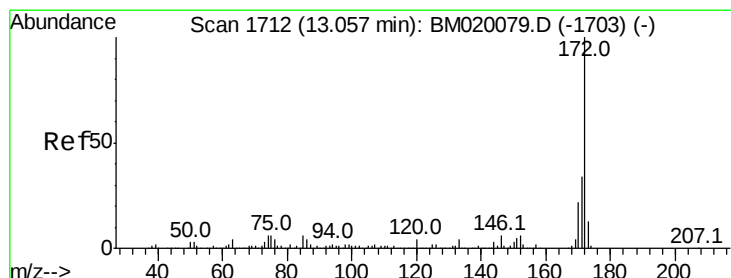
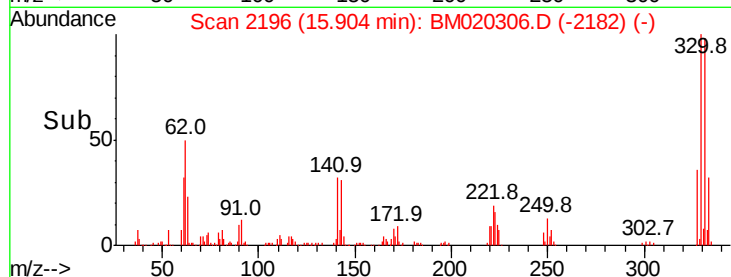
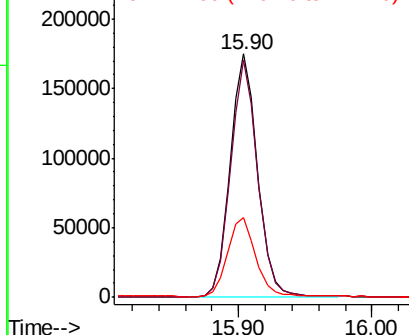
Tot Ion	Ratio	Resp	Lower	Upper
330	100	252179		
332	96.2	76.8	115.2	
141	32.9	29.2	43.8	

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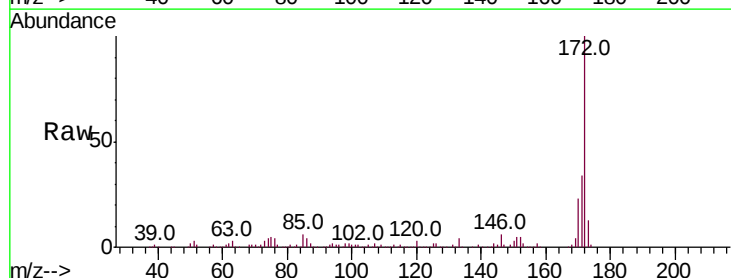


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

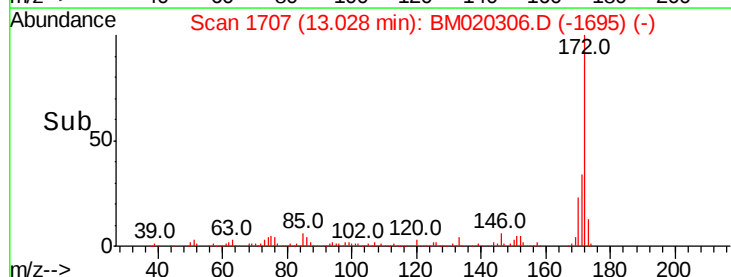
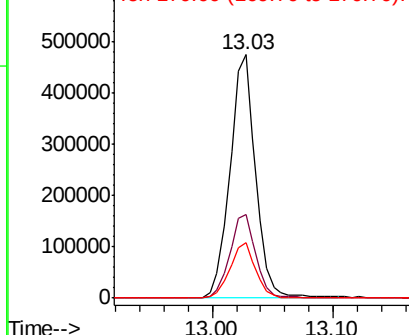


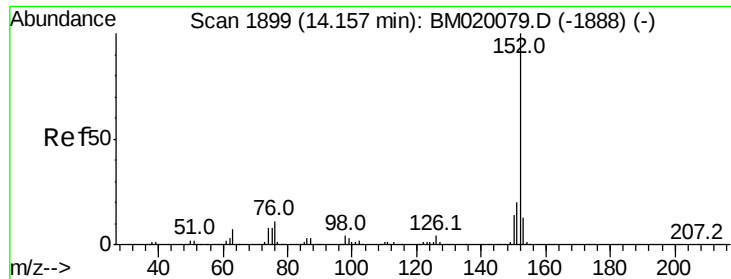
#45
 2-Fluorobiphenyl
 Concen: 67.243 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020306.D
 Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	701780		
171	34.4	27.3	40.9	
170	22.8	17.9	26.9	



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





#49

Acenaphthylene

Concen: 20.094 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

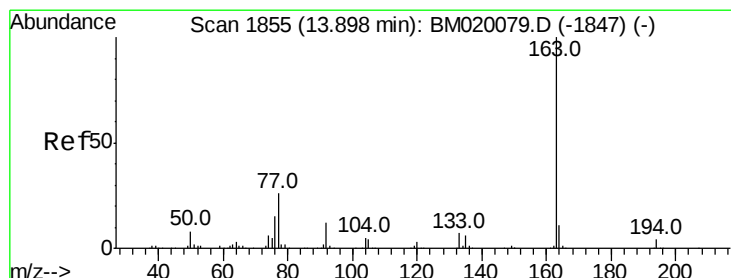
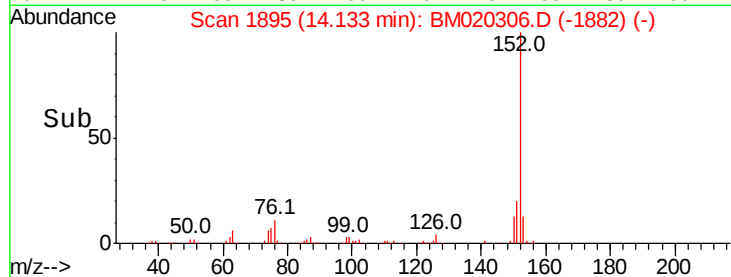
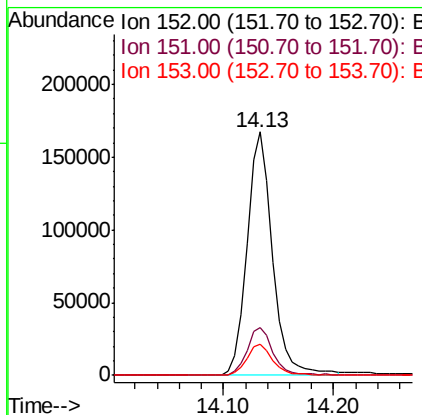
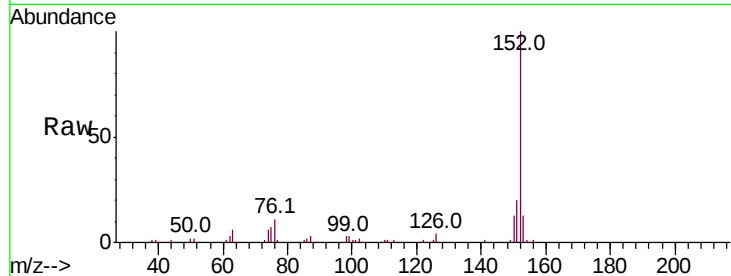
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	152	Resp:	271369
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.1	10.6	16.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 12.652 ng

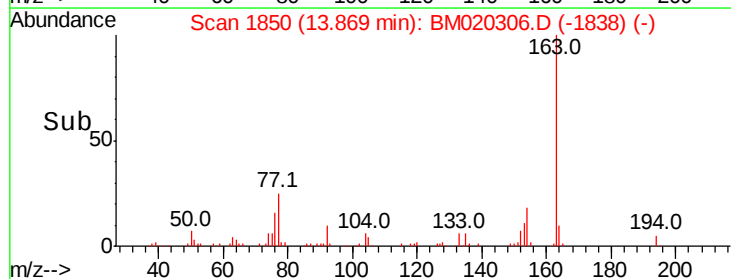
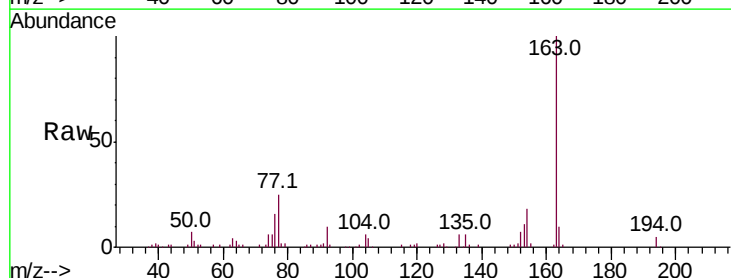
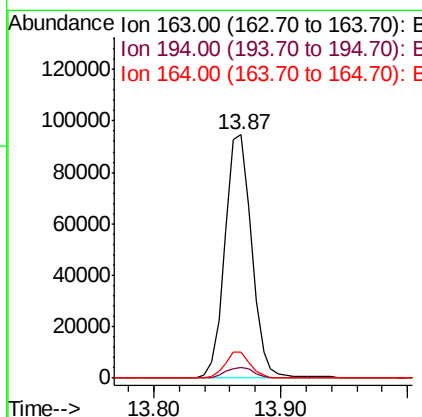
RT: 13.87 min Scan# 1850

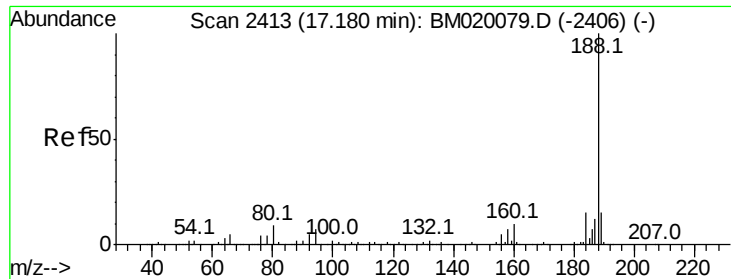
Delta R.T. -0.03 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	163	Resp:	138078
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.6	5.4
164	10.5	8.4	12.6





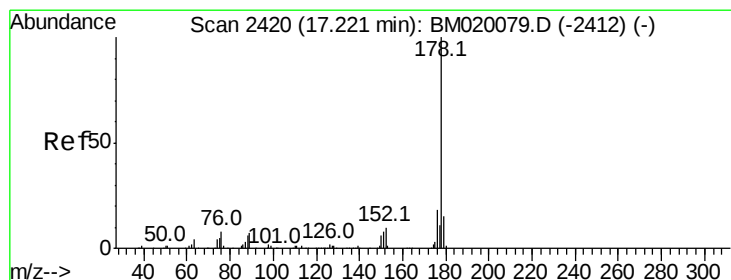
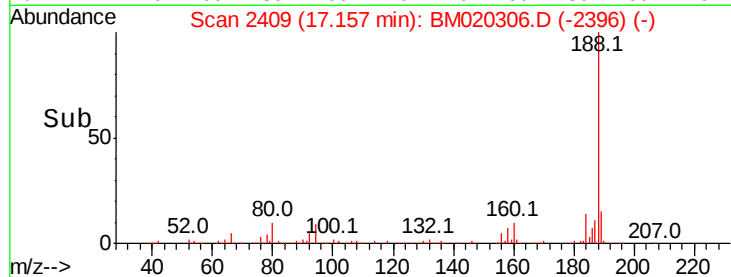
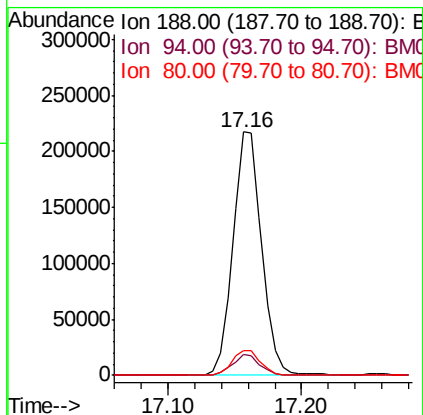
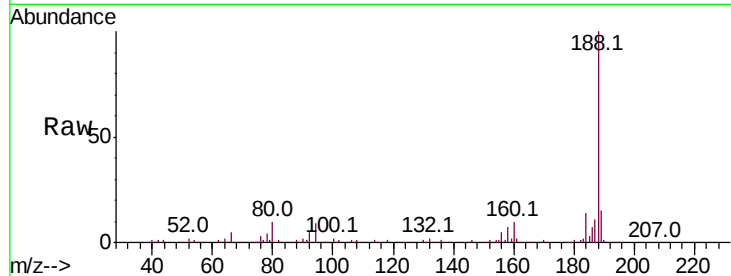
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2409
 Delta R.T. -0.02 min
 Lab File: BM020306.D
 Acq: 12 May 2019 19:42

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	323757		
94	8.8	5.8	8.6#	
80	10.2	7.4	11.2	

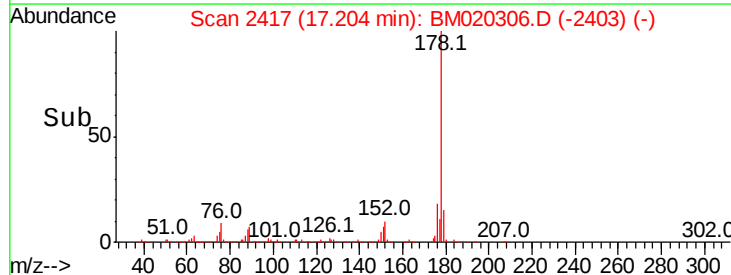
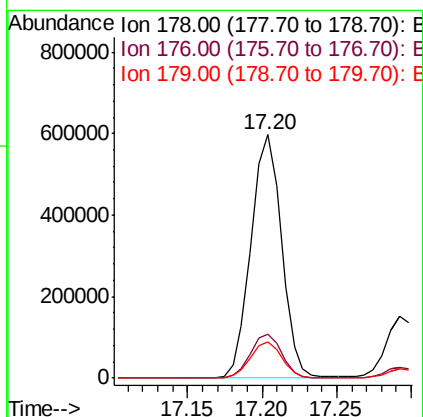
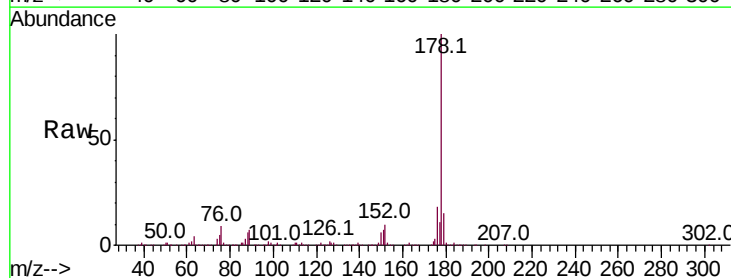
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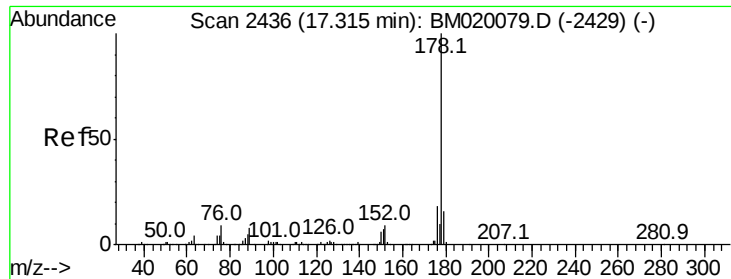
Sohil
 5/14/2019 8:07:39 PM



#71
 Phenanthrene
 Concen: 47.539 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BM020306.D
 Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	849599		
176	18.2	14.6	21.8	
179	15.0	12.4	18.6	





#72

Anthracene

Concen: 12.314 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

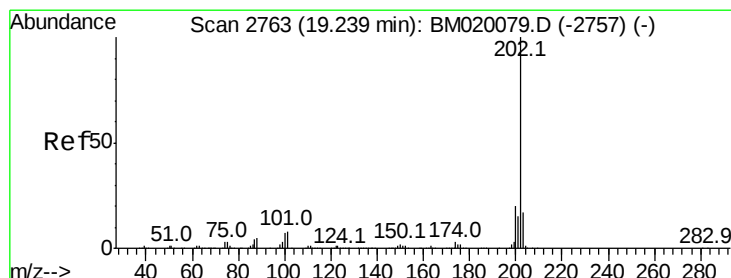
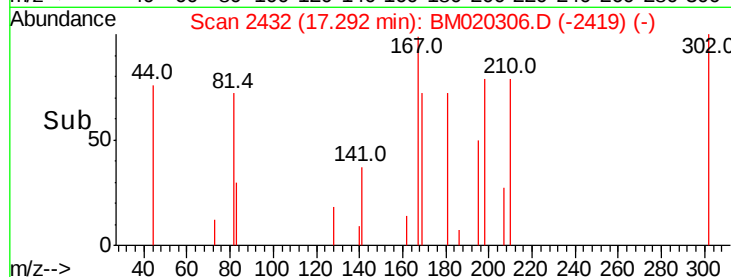
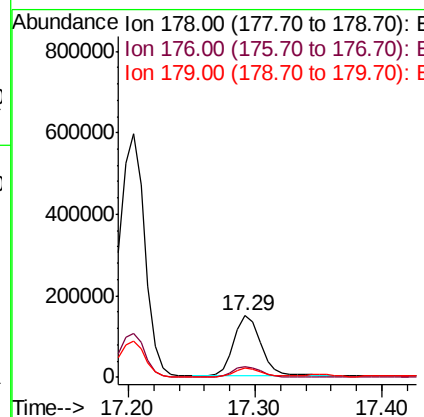
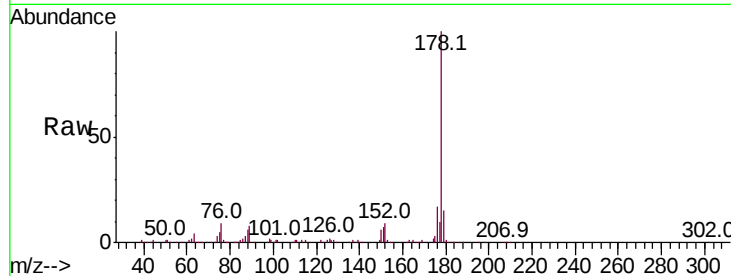
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	178	Resp:	220038
Ion Ratio	Lower	Upper	
178	100		
176	17.3	14.6	22.0
179	15.4	12.4	18.6

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#75

Fluoranthene

Concen: 76.317 ng

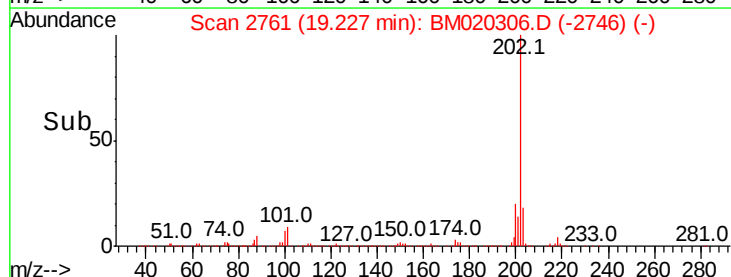
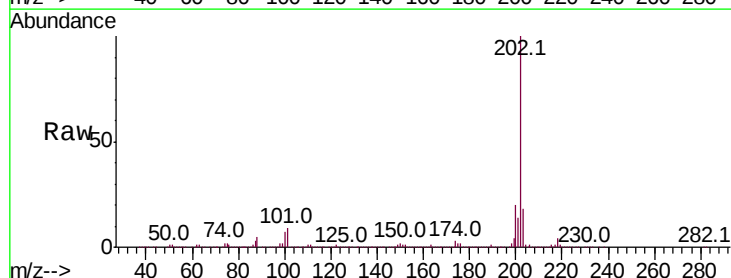
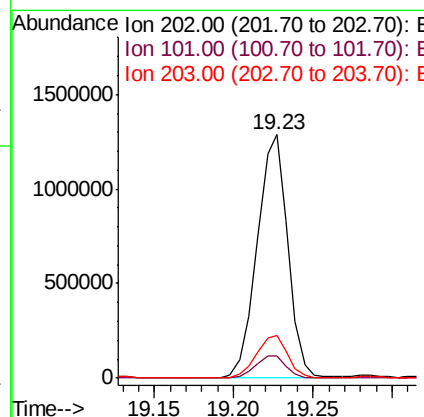
RT: 19.23 min Scan# 2761

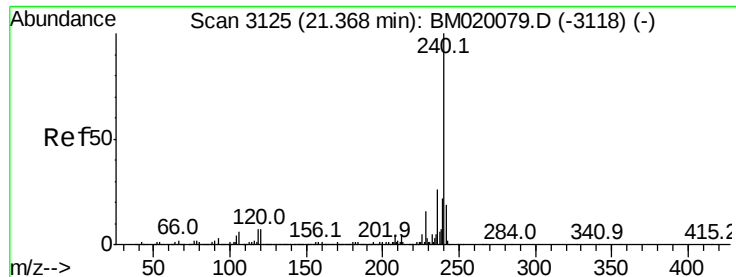
Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	202	Resp:	1725684
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	28.4
203	17.8	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

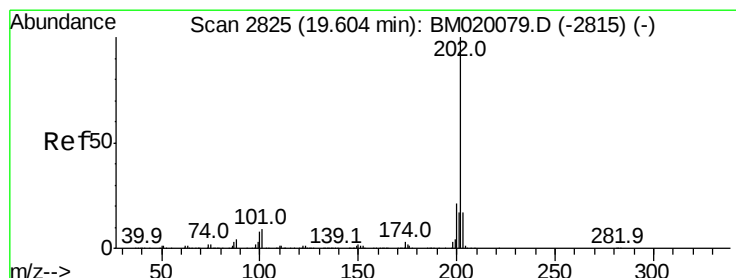
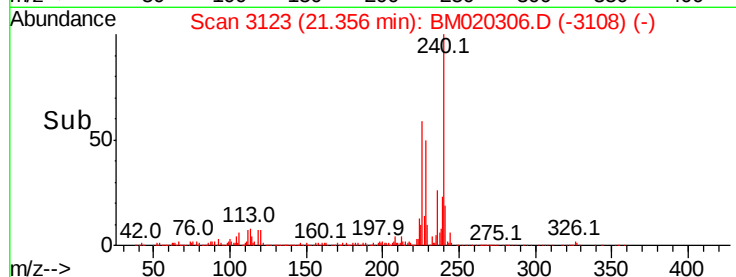
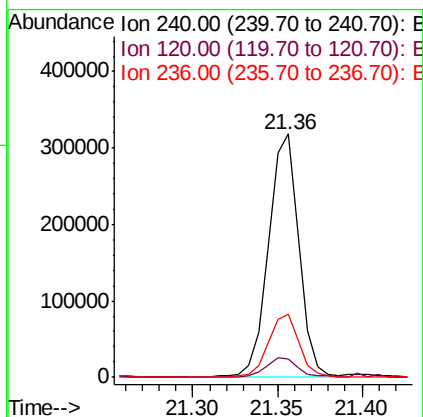
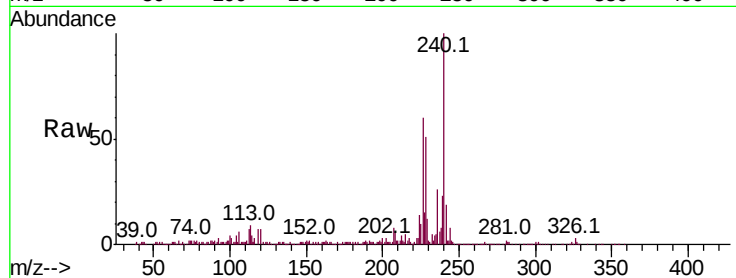
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	240	Resp:	392877
Ion Ratio	Lower	Upper	
240	100		
120	7.5	5.6	8.4
236	26.2	20.9	31.3

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#78

Pyrene

Concen: 135.256 ng

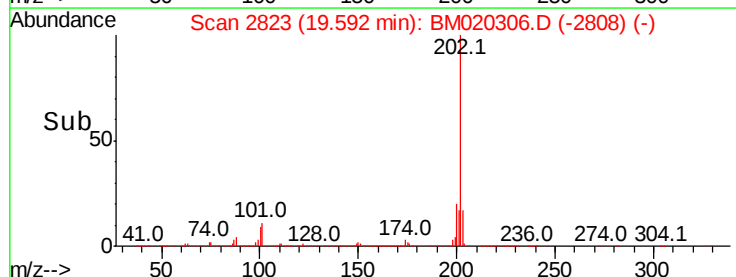
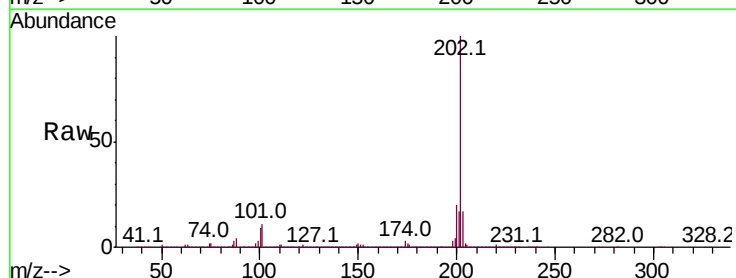
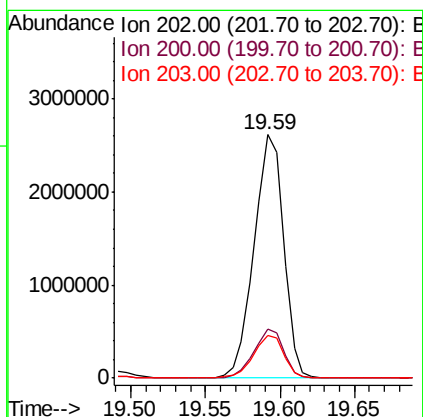
RT: 19.59 min Scan# 2823

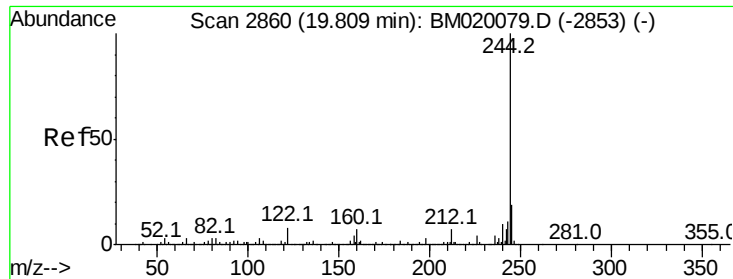
Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	202	Resp:	3567691
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.5	24.7
203	17.4	13.9	20.9





#79

Terphenyl-d14

Concen: 53.140 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

ClientSampleId :

P026-SS009-0002-01

Tot Ion:244 Resp: 1196953

Ion Ratio Lower Upper

244 100

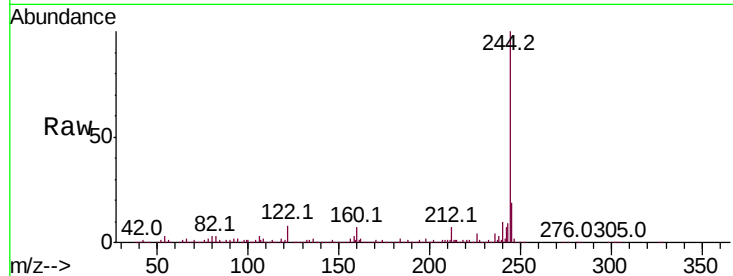
212 6.9 5.7 8.5

122 8.5 6.2 9.2

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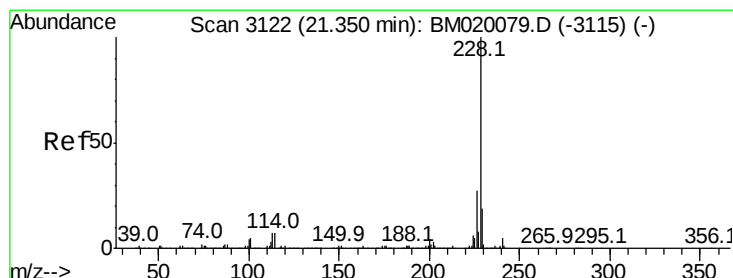
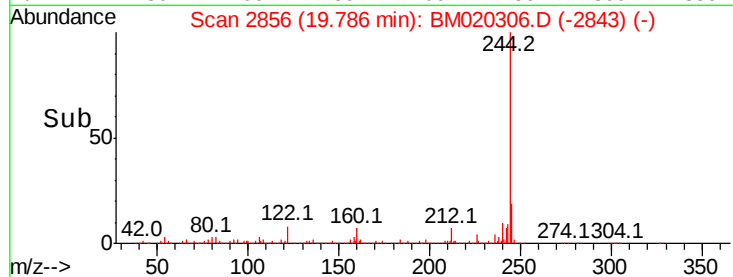
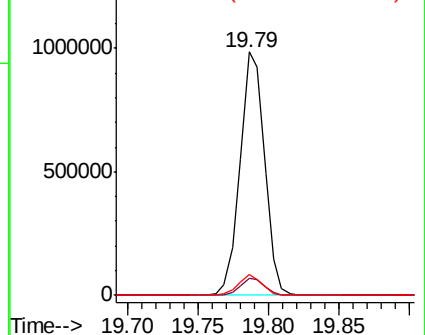
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 48.071 ng m

RT: 21.34 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

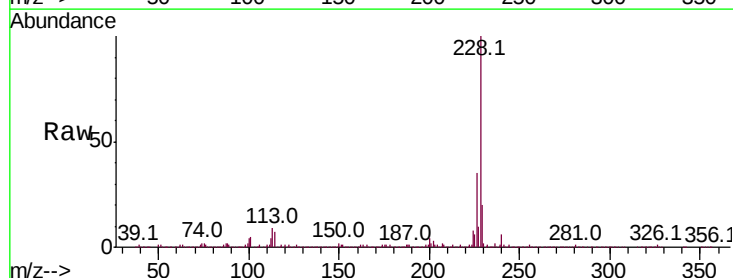
Tgt Ion:228 Resp: 1324481

Ion Ratio Lower Upper

228 100

226 35.1 21.3 31.9#

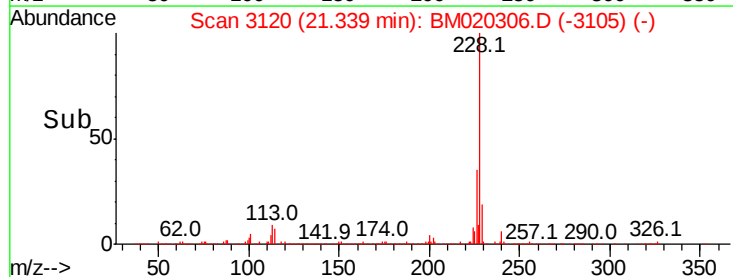
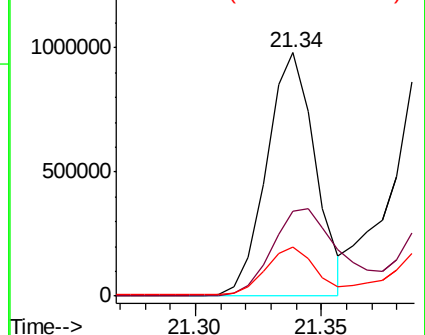
229 20.3 15.5 23.3

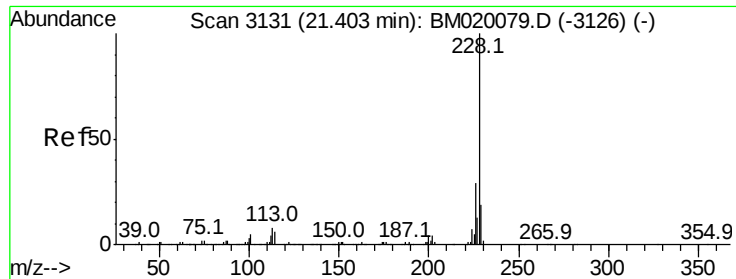


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





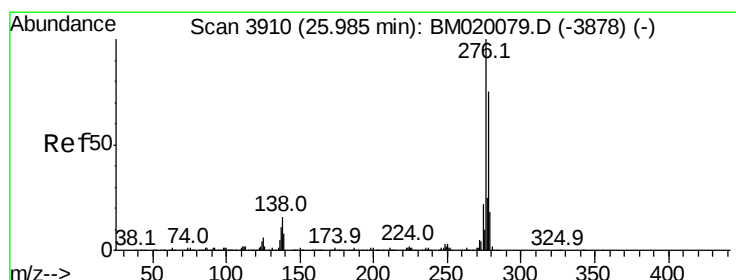
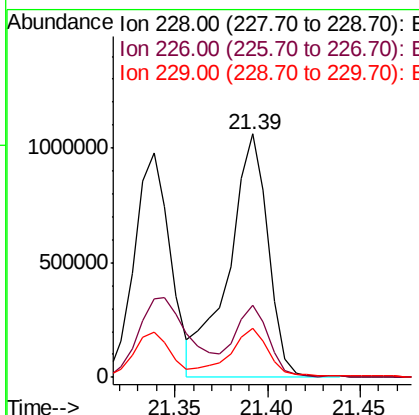
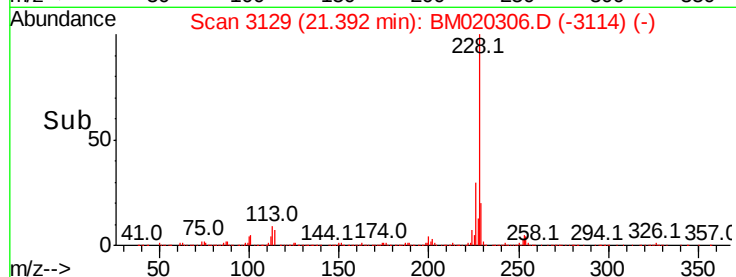
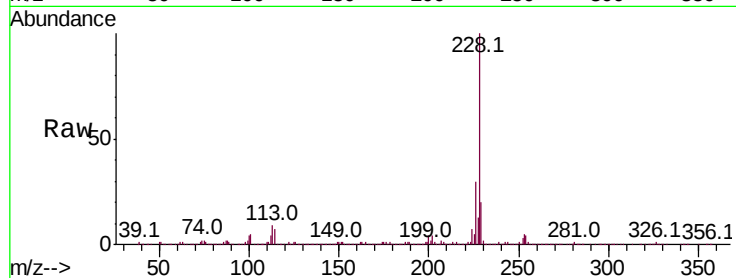
#83
Chrysene
Concen: 58.649 ng/ml
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Instrument :
BNA_M
ClientSampleId :
P026-SS009-0002-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.6
229	20.4	15.5	23.3

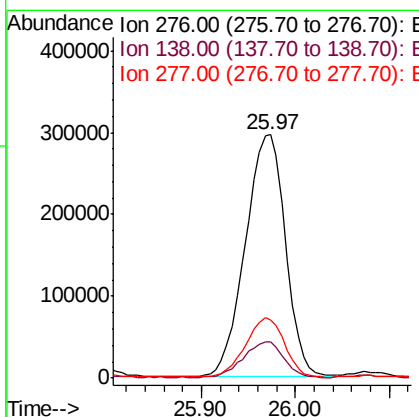
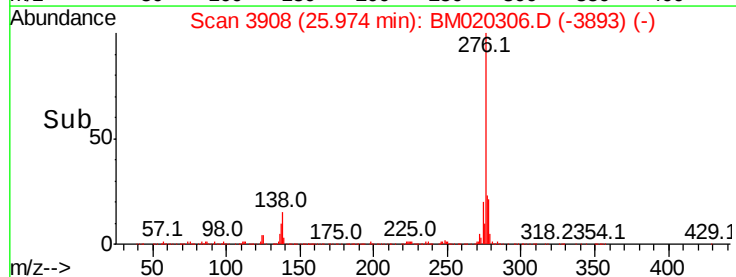
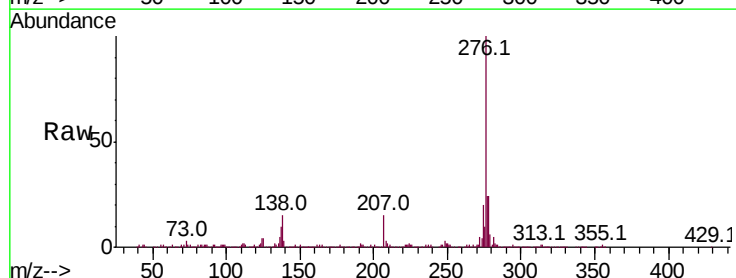
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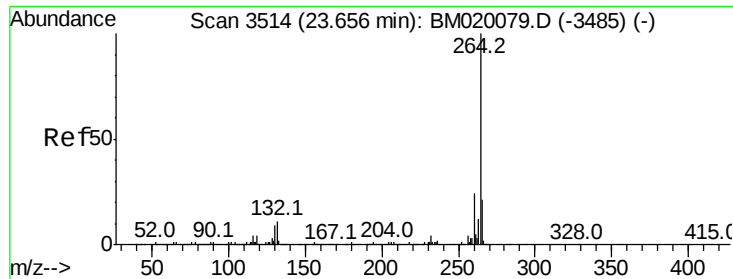
Sohil
5/14/2019 8:07:39 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 27.410 ng
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	0.0	0.0#
277	24.1	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Instrument :

BNA_M

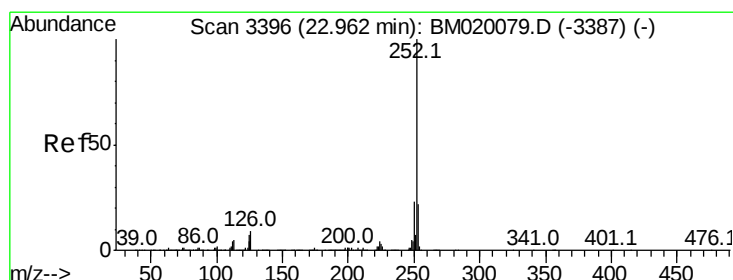
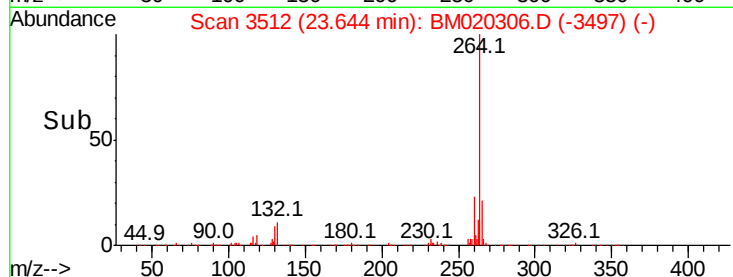
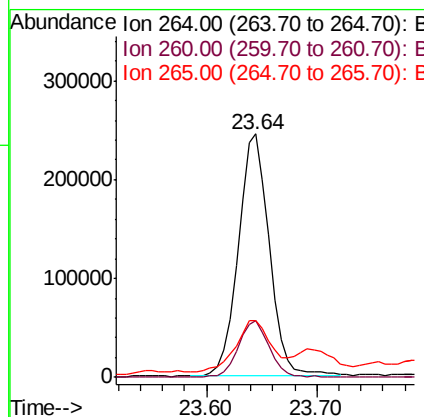
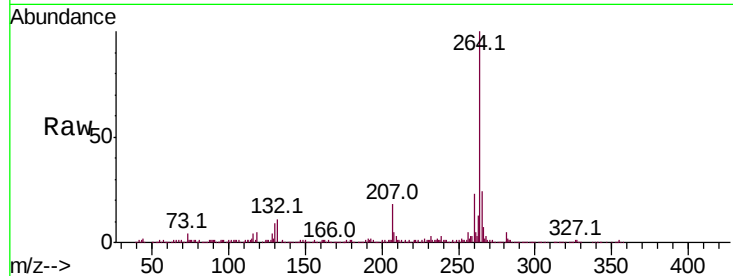
ClientSampleId :

P026-SS009-0002-01

Tot Ion:	264	Resp:	485317
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	23.5	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 52.247 ng m

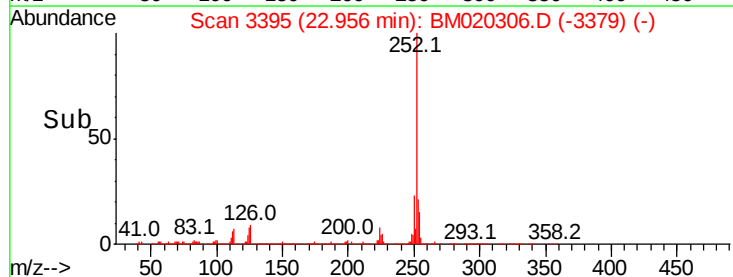
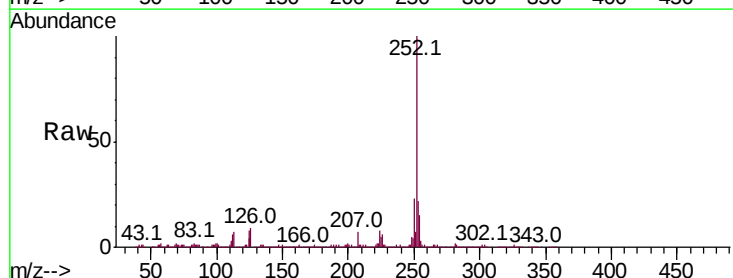
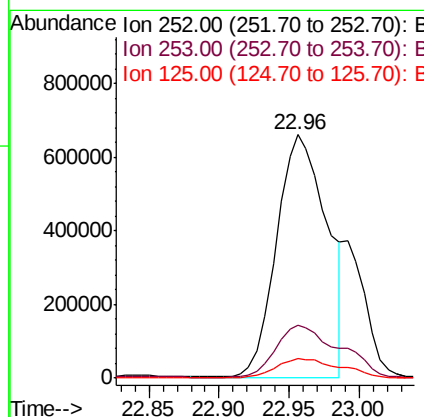
RT: 22.96 min Scan# 3395

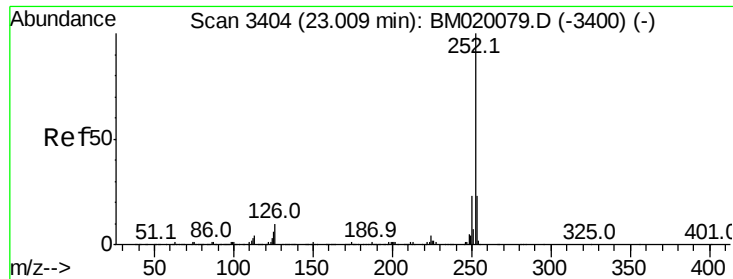
Delta R.T. -0.01 min

Lab File: BM020306.D

Acq: 12 May 2019 19:42

Tgt Ion:	252	Resp:	1674395
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	8.2	5.4	8.2#





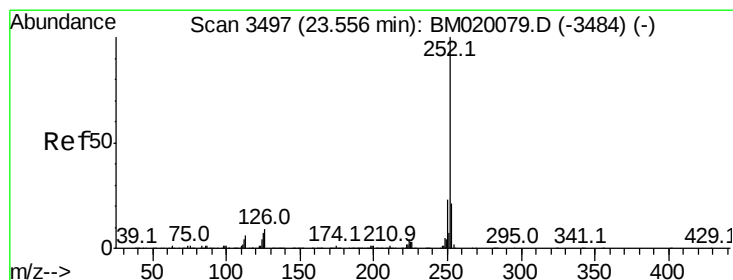
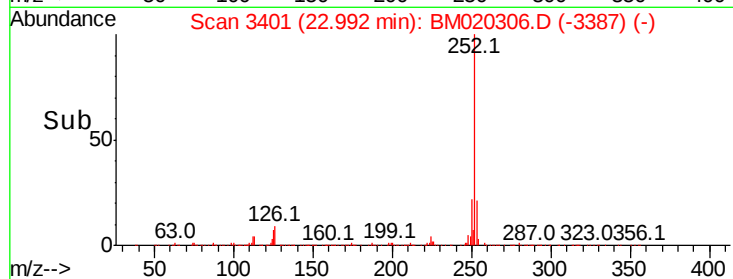
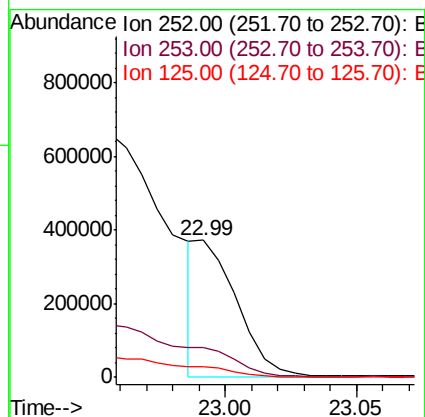
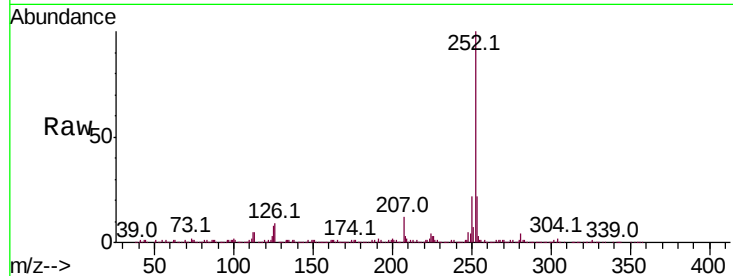
#89
Benzo(k)fluoranthene
Concen: 13.805 ng
RT: 22.99 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Instrument :
BNA_M
ClientSampleId :
P026-SS009-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	7.7	5.4	8.0

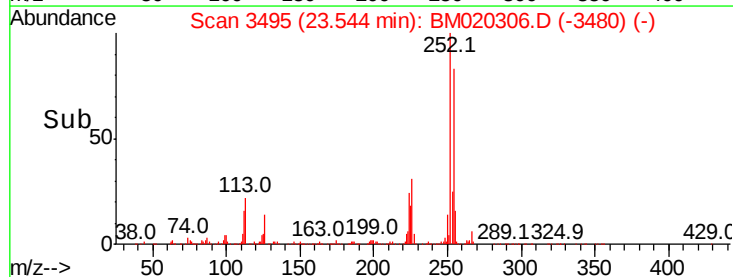
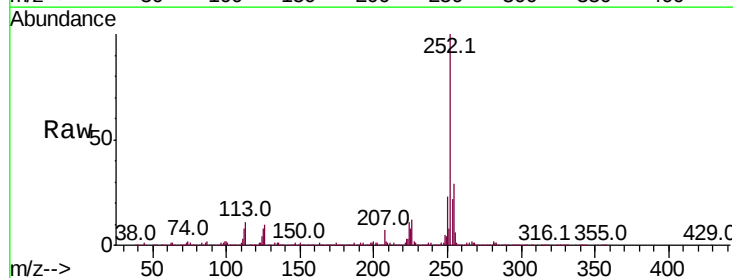
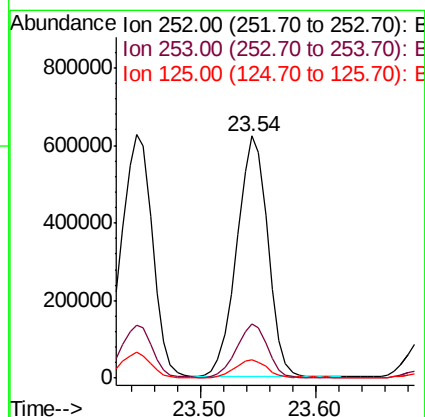
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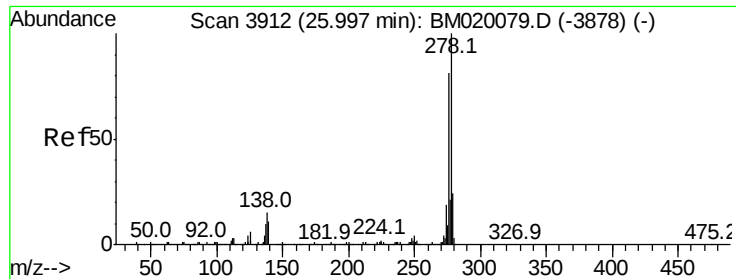
Sohil
5/14/2019 8:07:39 PM



#90
Benzo(a)pyrene
Concen: 39.652 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	7.8	5.5	8.3





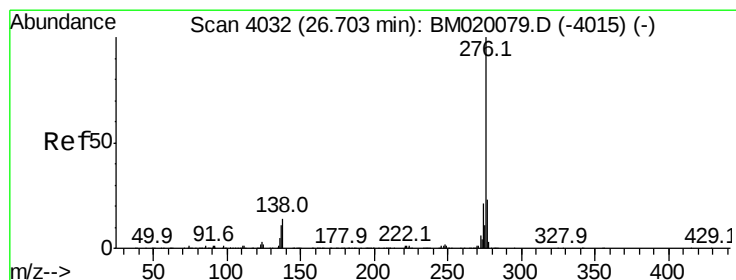
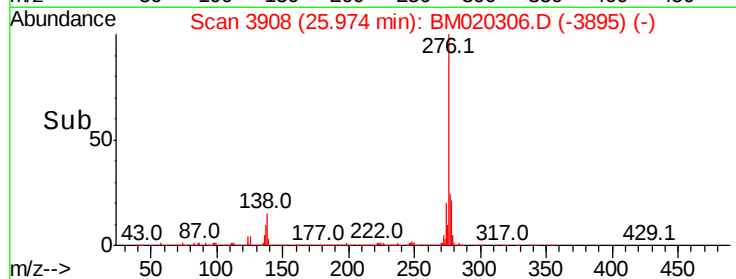
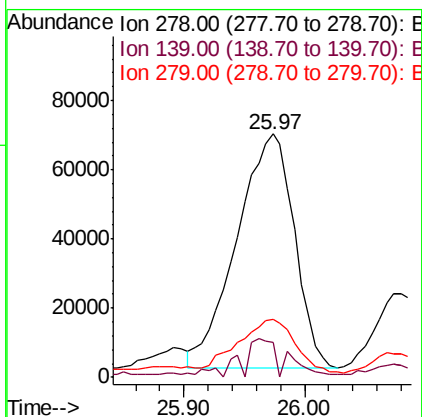
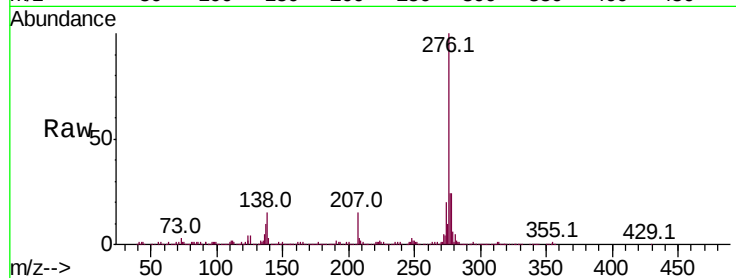
#91
Dibenzo(a,h)anthracene
Concen: 7.390 ng
RT: 25.97 min Scan# 3908
Delta R.T. -0.02 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Instrument :
BNA_M
ClientSampleId :
P026-SS009-0002-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	8.6	13.0#
279	24.0	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 35.929 ng
RT: 26.70 min Scan# 4031
Delta R.T. -0.01 min
Lab File: BM020306.D
Acq: 12 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	14.2	11.1	16.7

