

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051219\
 Data File : BM020305.D
 Acq On : 12 May 2019 19:06
 Operator : JU/SJ
 Sample : K2768-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS013-0612-01

Manual Integrations
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Quant Time: May 17 00:56:07 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	58882	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	206573	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	125043	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	285067	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	325248	20.00	ng	-0.02
87) Perylene-d12	23.64	264	414340	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	414266	115.00	ng	-0.02
7) Phenol-d6	6.93	99	552948	112.36	ng	-0.02
23) Nitrobenzene-d5	8.93	82	380918	72.80	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	191590	98.71	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	512369	50.41	ng	-0.04
79) Terphenyl-d14	19.79	244	735104	39.42	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.60	128	51859	4.838	ng	99
37) 2-Methylnaphthalene	12.22	142	23825	3.049	ng	95
49) Acenaphthylene	14.13	152	215454	16.383	ng	100
50) Dimethylphthalate	13.87	163	100667	9.472	ng	98
58) Fluorene	15.48	166	25209m	2.413	ng	
71) Phenanthrene	17.20	178	588783	37.416	ng	99
72) Anthracene	17.29	178	150519	9.567	ng	99
75) Fluoranthene	19.22	202	1059538	53.216	ng	99
78) Pyrene	19.59	202	2029936	92.959	ng	99
81) Benzo(a)anthracene	21.33	228	797730	34.973	ng	93
83) Chrysene	21.39	228	978671	44.241	ng	99
86) Indeno(1,2,3-cd)pyrene	25.96	276	636809	24.202	ng	# 100
88) Benzo(b)fluoranthene	22.95	252	1113731m	40.705	ng	
89) Benzo(k)fluoranthene	22.98	252	319082m	12.785	ng	
90) Benzo(a)pyrene	23.54	252	784191	31.554	ng	99
91) Dibenzo(a,h)anthracene	25.97	278	157314	6.087	ng	# 92
92) Benzo(a,h,i)perylene	26.69	276	760842	31.007	ng	99

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

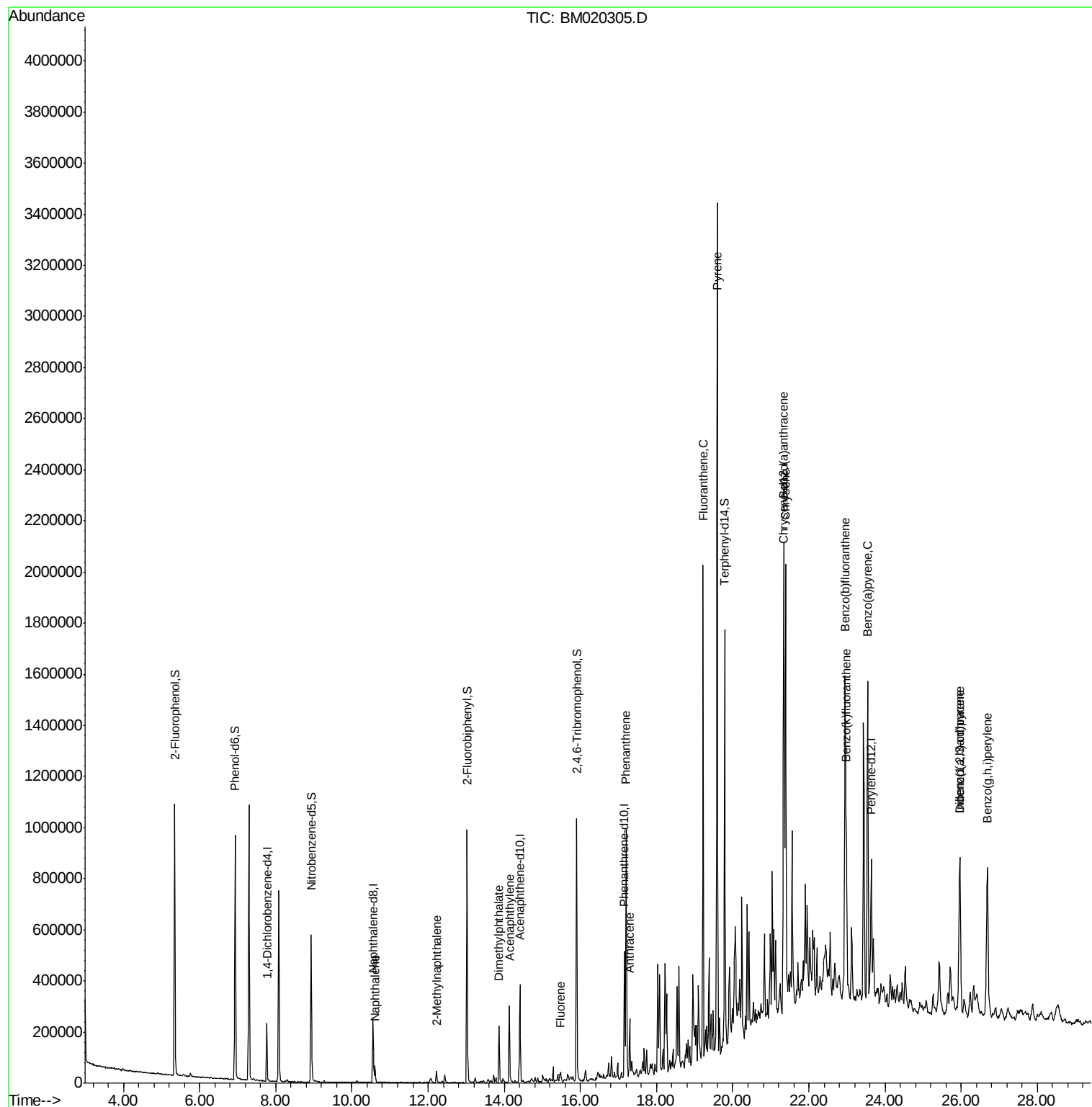
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM051219\
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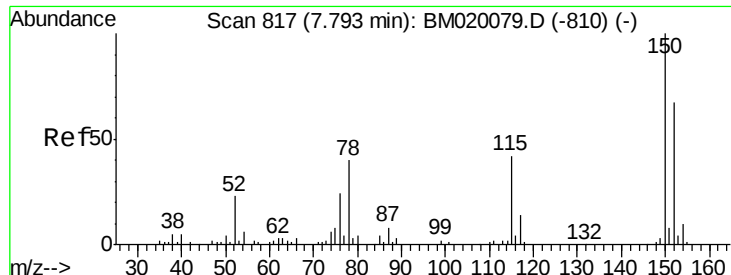
Instrument :
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#1

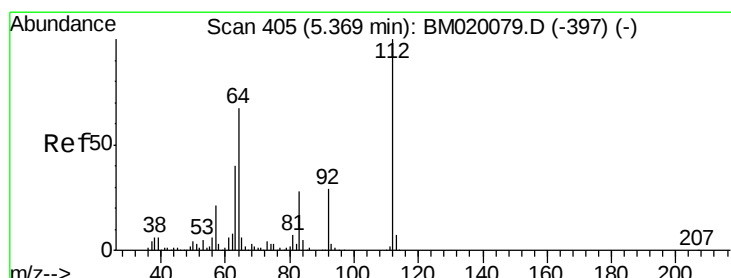
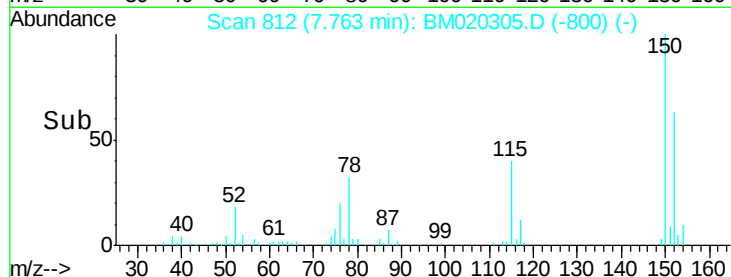
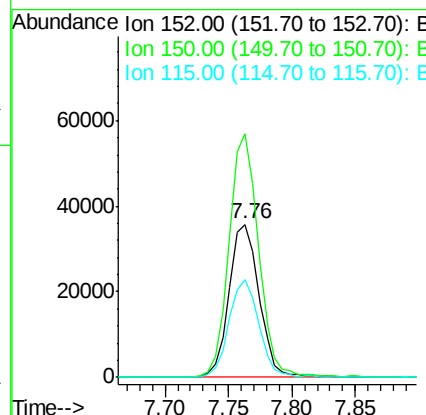
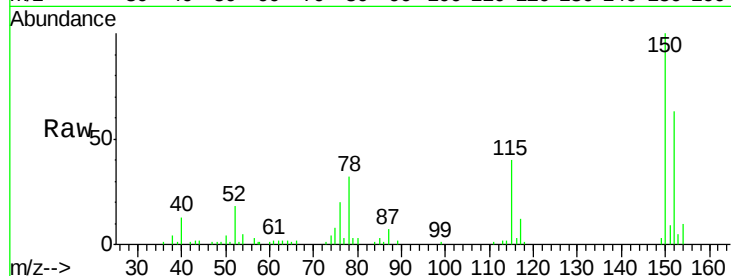
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	119.8	179.8
115	63.5	50.8	76.2

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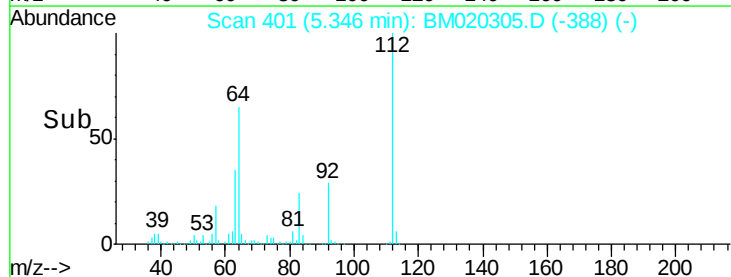
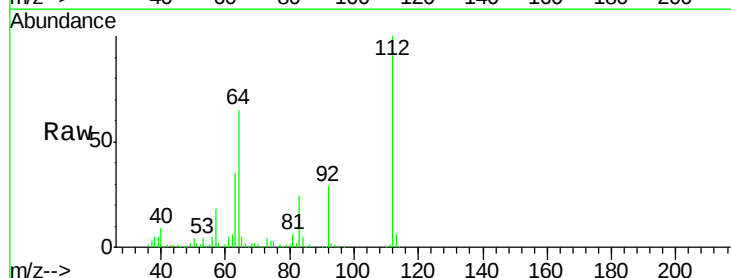
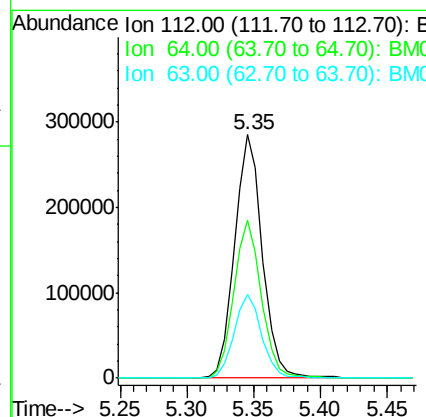
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#5

2-Fluorophenol
Concen: 115.002 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.8	80.6
63	34.5	32.3	48.5





#7

Phenol-d6

Concen: 112.361 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Instrument :

BNA_M

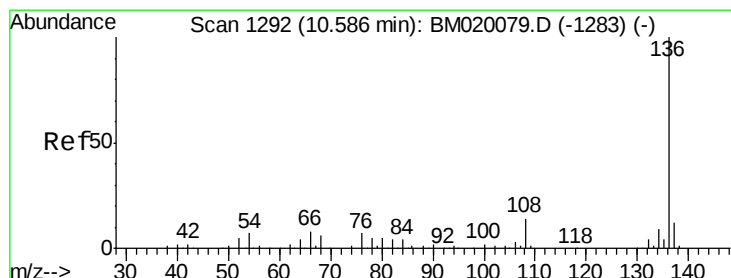
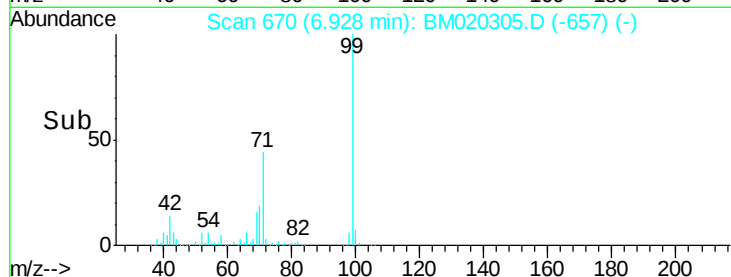
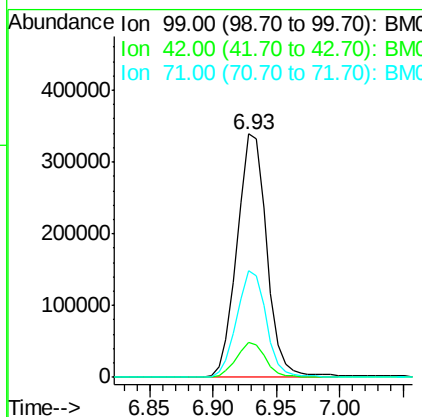
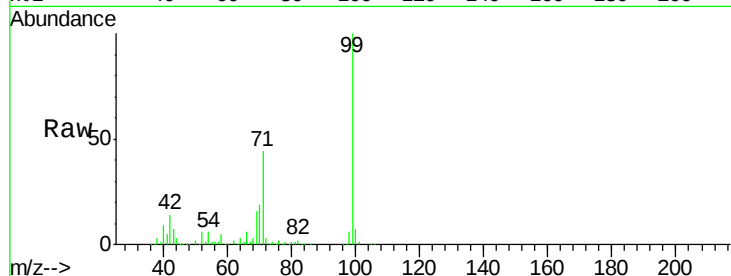
ClientSampleId :

P026-SS013-0612-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		552948		
42	14.2	14.2	21.2		
71	43.6	40.3	60.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

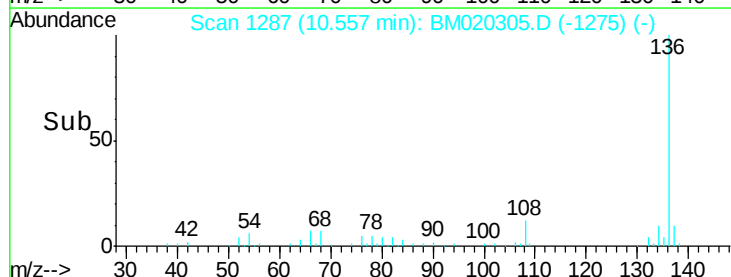
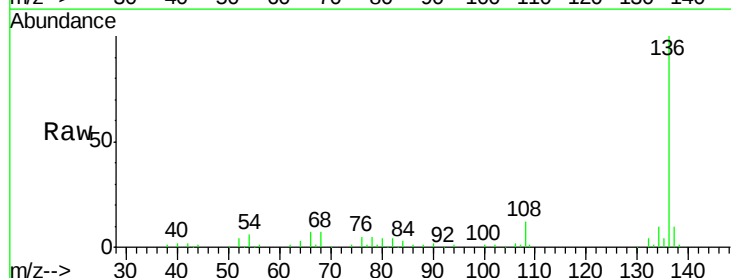
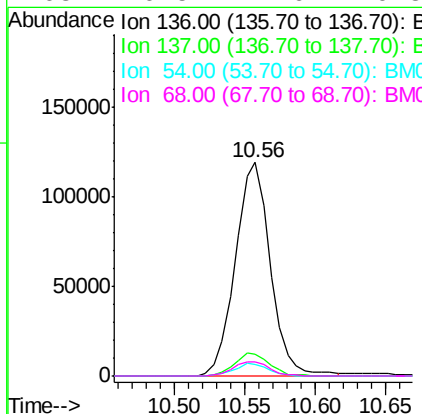
RT: 10.56 min Scan# 1287

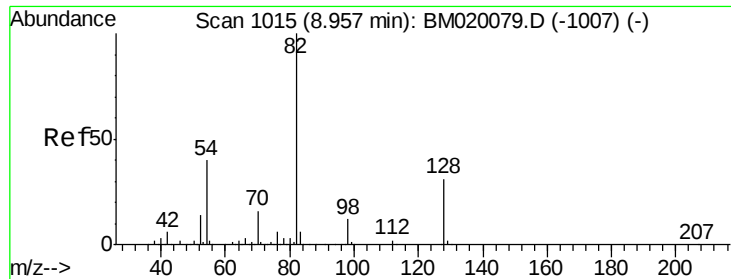
Delta R.T. -0.03 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		206573		
137	9.9	9.6	14.4		
54	5.7	5.5	8.3		
68	6.5	4.6	6.8		





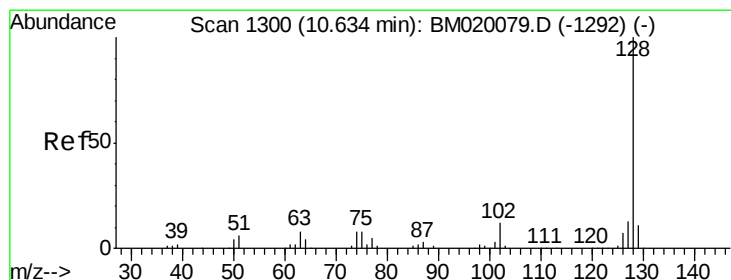
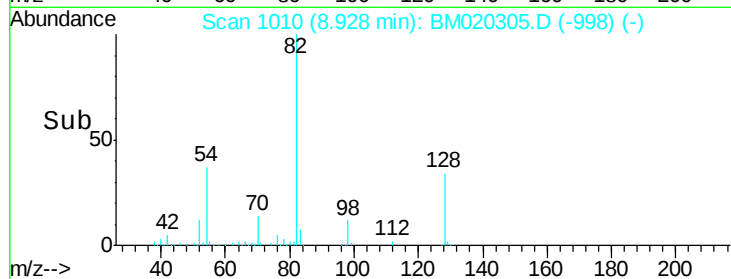
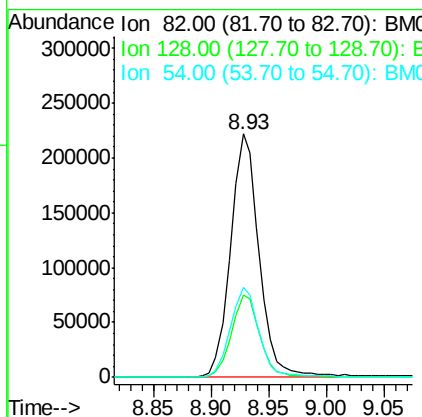
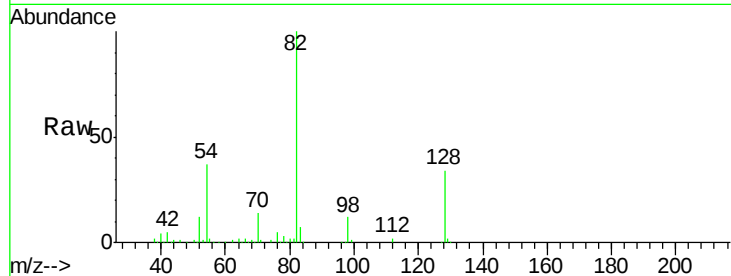
#23
Nitrobenzene-d5
Concen: 72.801 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion:	82	Resp:	380918
Ion Ratio	Lower	Upper	
82	100		
128	33.6	25.2	37.8
54	36.7	31.9	47.9

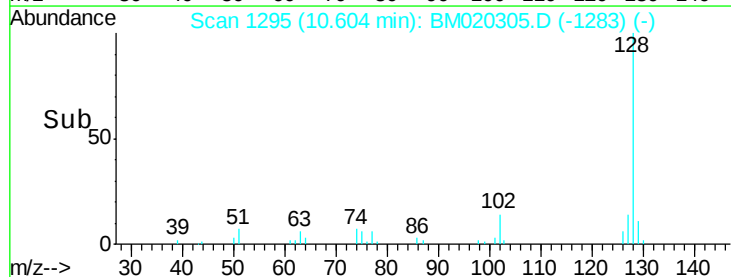
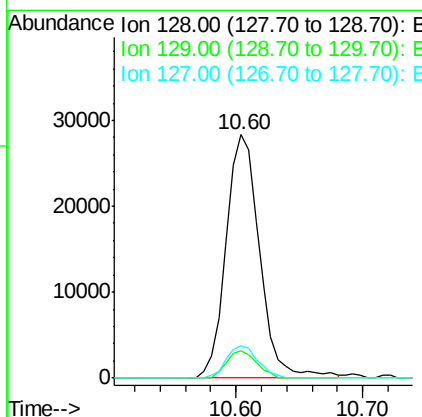
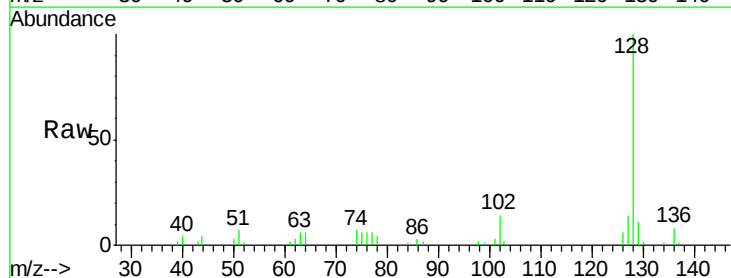
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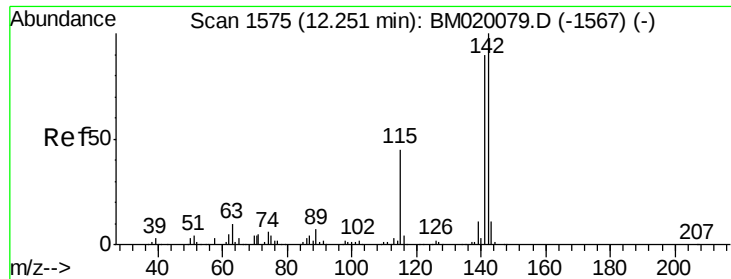
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#31
Naphthalene
Concen: 4.838 ng
RT: 10.60 min Scan# 1295
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion:	128	Resp:	51859
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.4
127	13.5	10.4	15.6





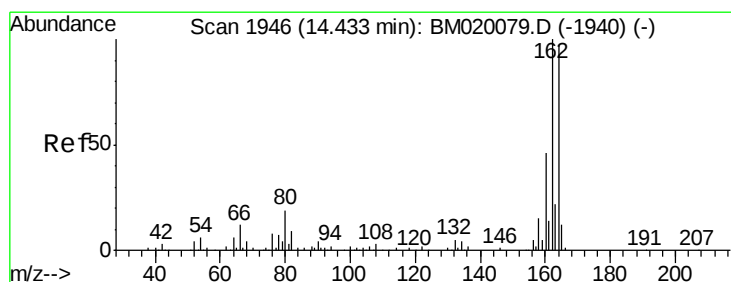
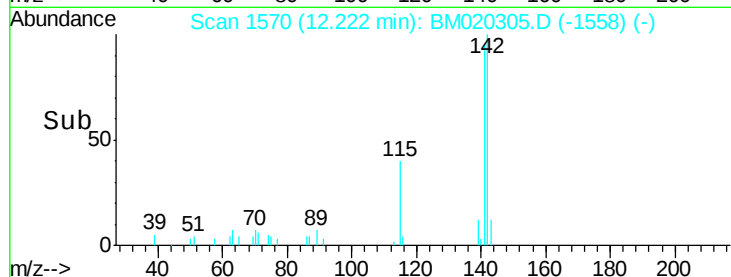
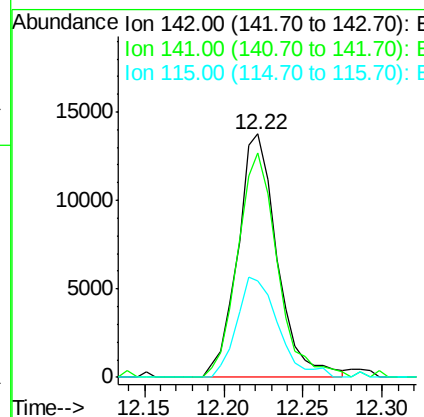
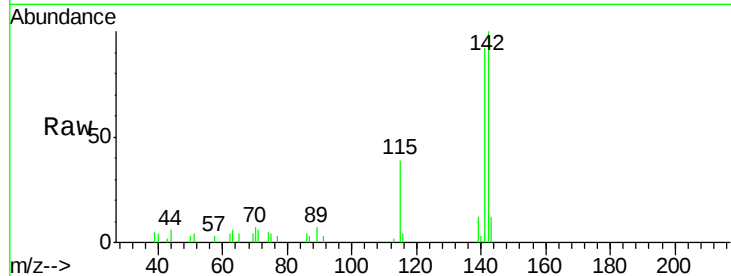
#37
2-Methylnaphthalene
Concen: 3.049 ng
RT: 12.22 min Scan# 1570
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.3	71.6	107.4
115	39.5	35.8	53.6

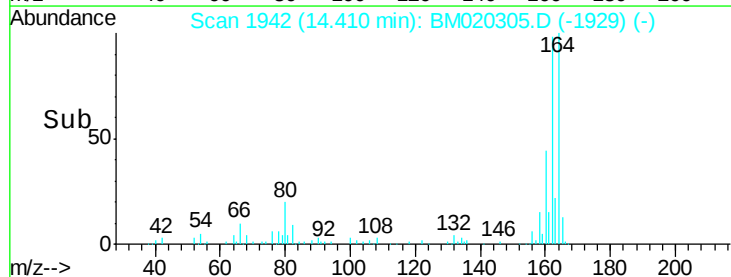
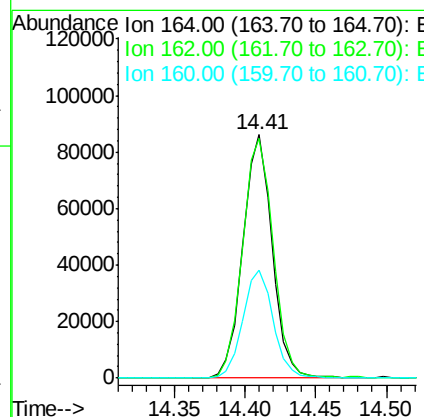
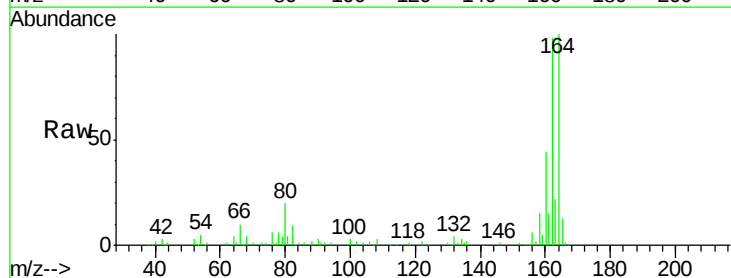
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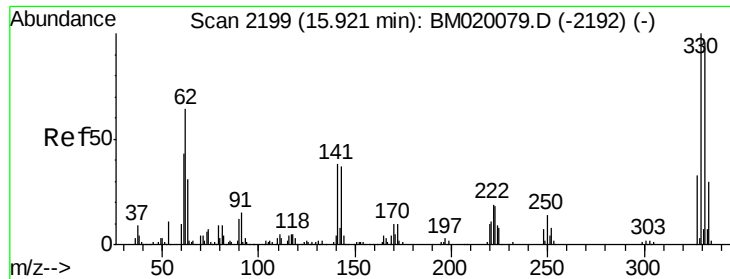
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.2	123.2
160	44.3	37.6	56.4





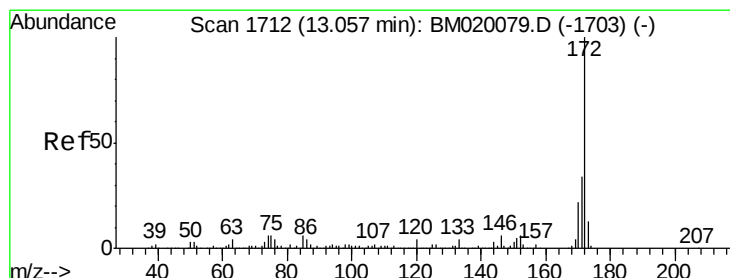
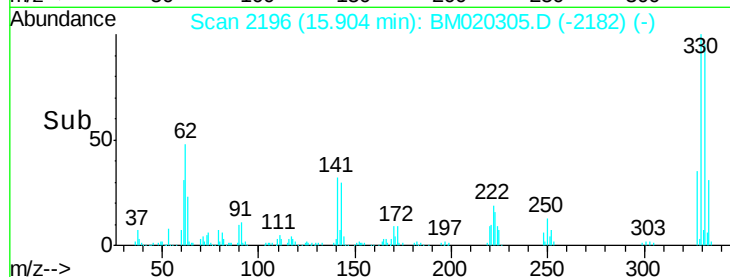
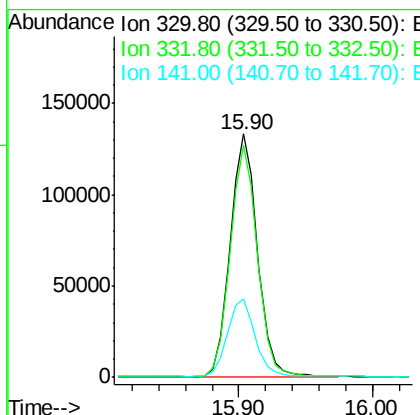
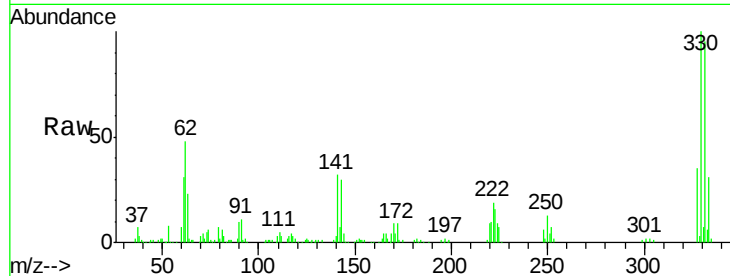
#42
 2,4,6-Tribromophenol
 Concen: 98.712 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020305.D
 Acq: 12 May 2019 19:06

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS013-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	191590		
332	95.3	76.8	115.2	
141	32.6	29.2	43.8	

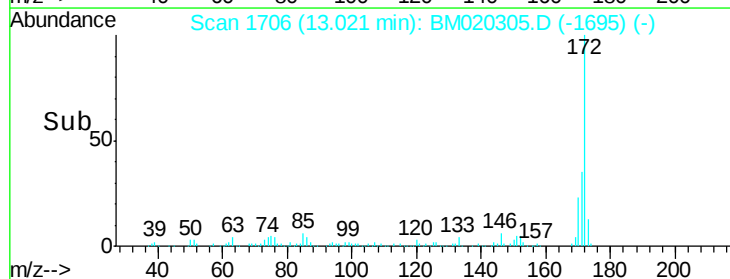
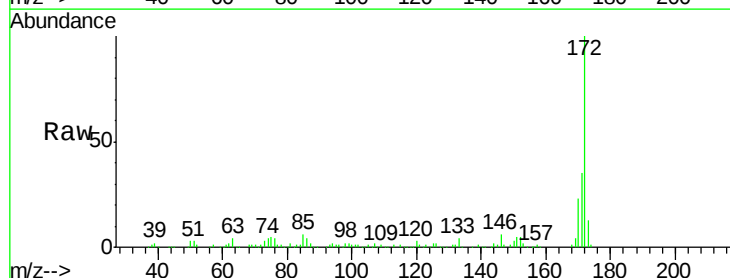
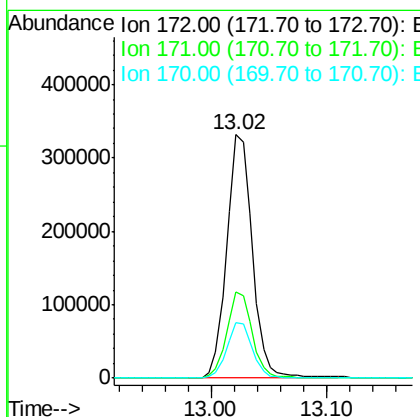
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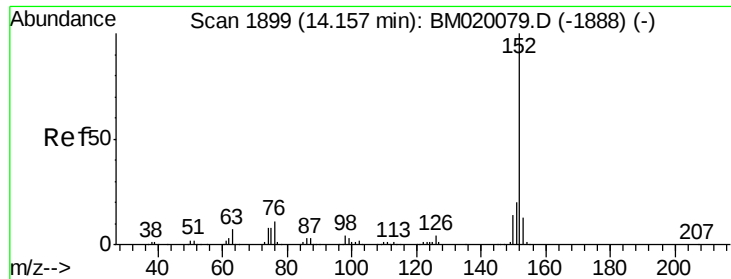
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#45
 2-Fluorobiphenyl
 Concen: 50.415 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.04 min
 Lab File: BM020305.D
 Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	512369		
171	35.5	27.3	40.9	
170	23.0	17.9	26.9	





#49

Acenaphthylene

Concen: 16.383 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Instrument :

BNA_M

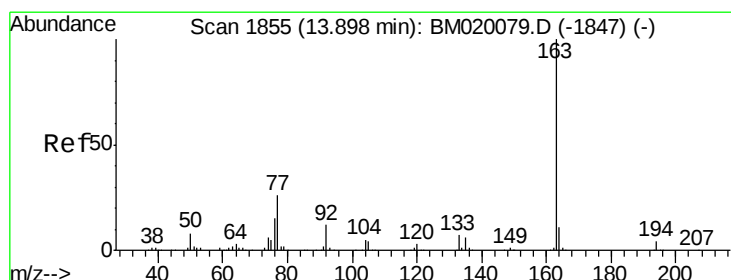
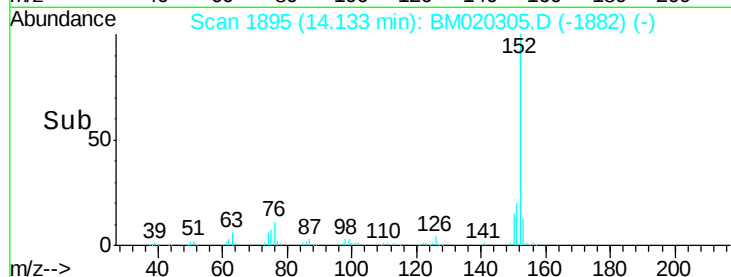
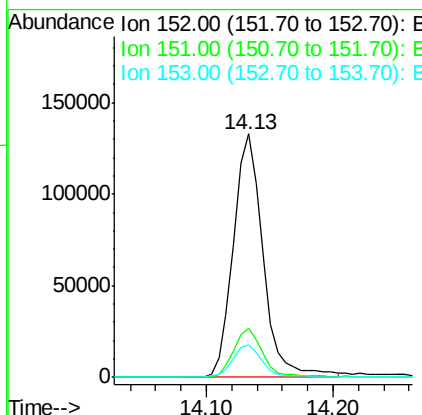
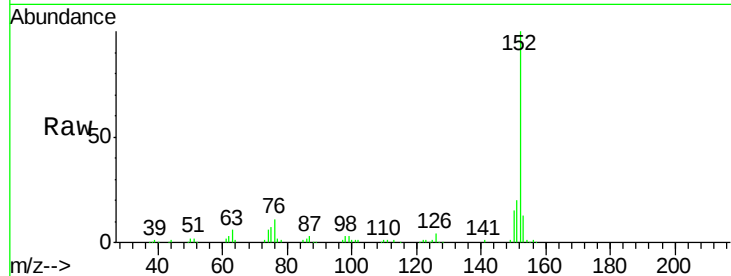
ClientSampleId :

P026-SS013-0612-01

Tot Ion:	152	Resp:	215454
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.2	24.2
153	13.4	10.6	16.0

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#50

Dimethylphthalate

Concen: 9.472 ng

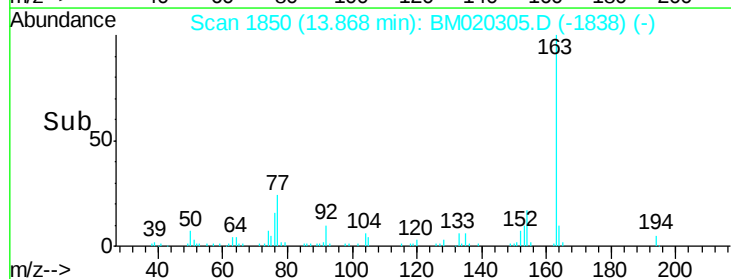
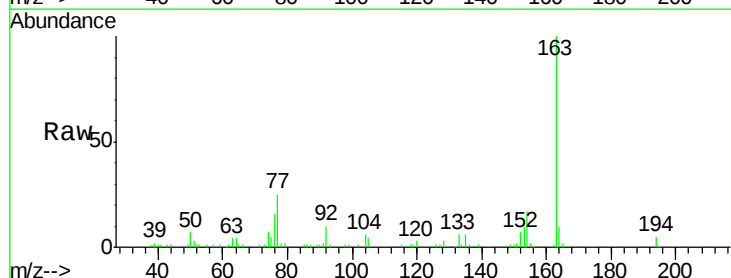
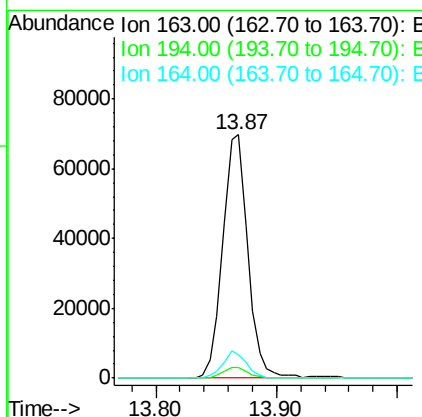
RT: 13.87 min Scan# 1850

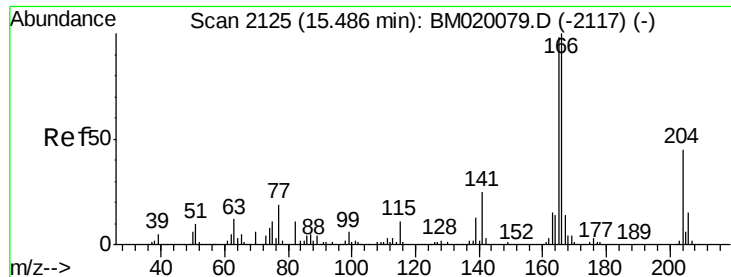
Delta R.T. -0.03 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Tgt Ion:	163	Resp:	100667
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.6	5.4
164	9.6	8.4	12.6





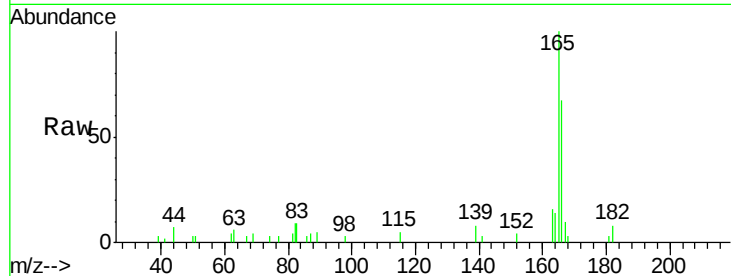
#58
Fluorene
 Concen: 2.413 ng/mL
 RT: 15.48 min Scan# 2124
 Delta R.T. -0.01 min
 Lab File: BM020305.D
 Acq: 12 May 2019 19:06

Instrument :
 BNA_M
 ClientSampleID :
 P026-SS013-0612-01

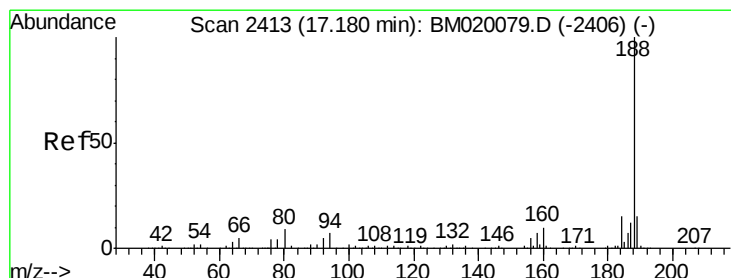
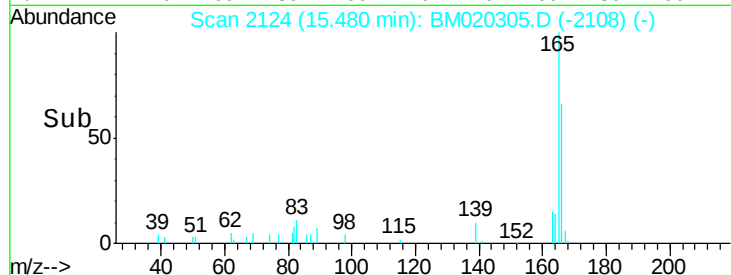
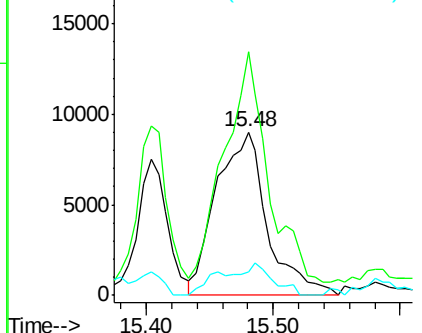
Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	149.4	78.2	117.2		
167	14.3	11.0	16.4		

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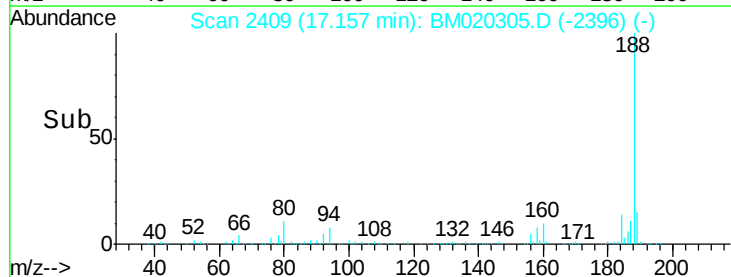
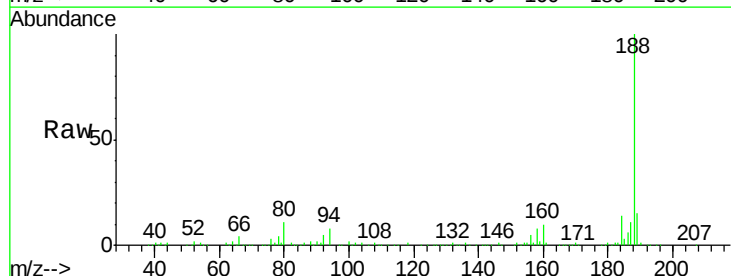
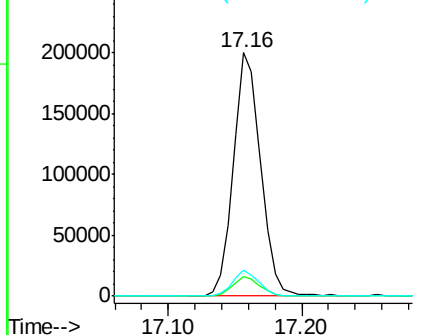
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

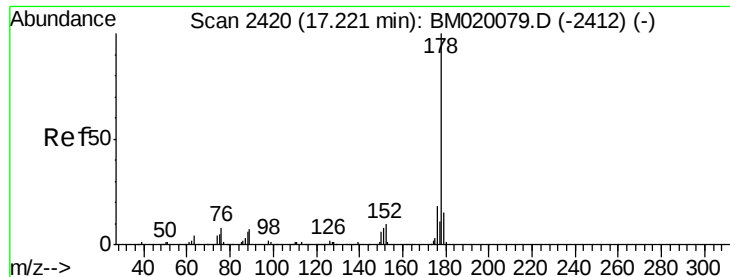


#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2409
 Delta R.T. -0.02 min
 Lab File: BM020305.D
 Acq: 12 May 2019 19:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.0	5.8	8.6		
80	10.6	7.4	11.2		

Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BM0
 Ion 80.00 (79.70 to 80.70): BM0





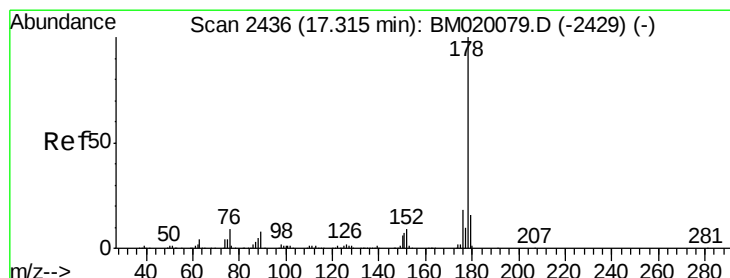
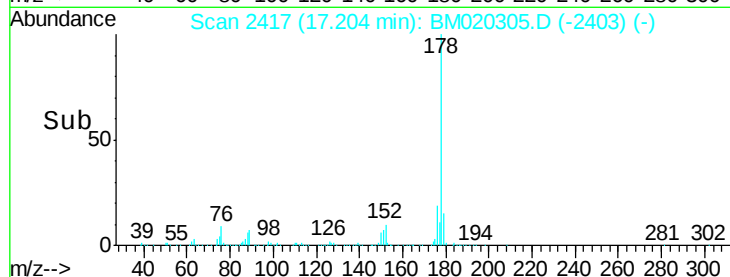
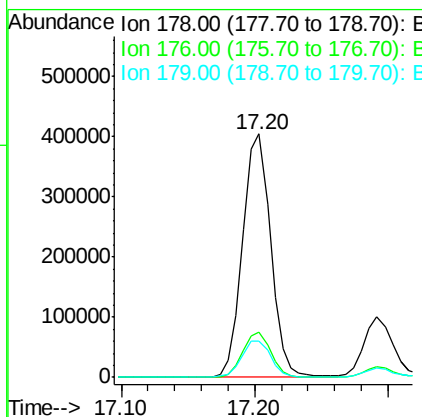
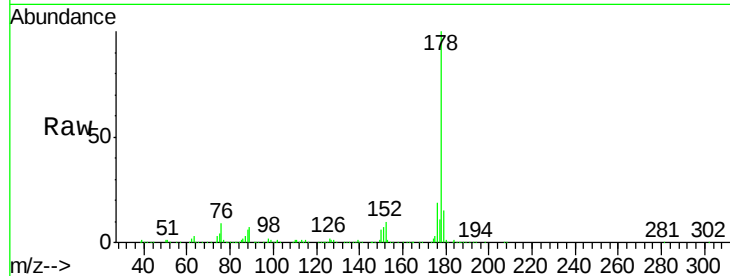
#71
Phenanthrene
Concen: 37.416 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.1	12.4	18.6

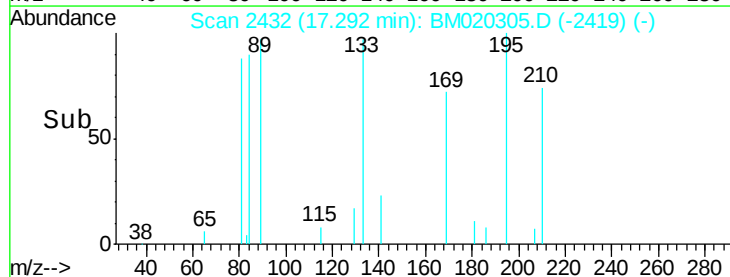
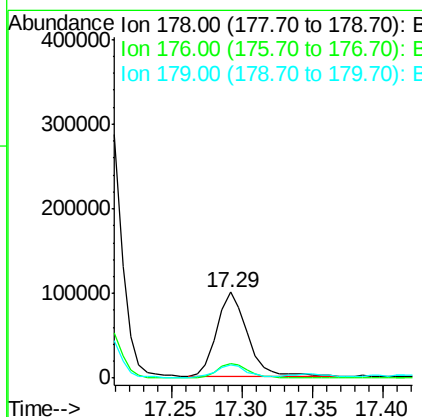
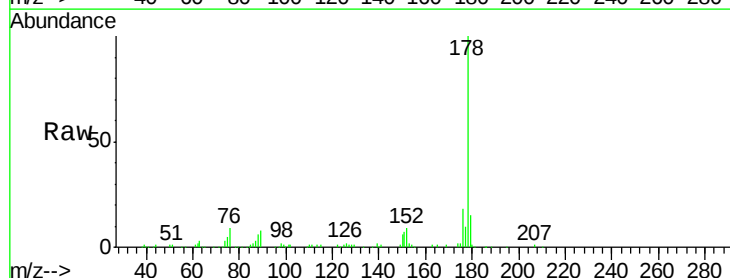
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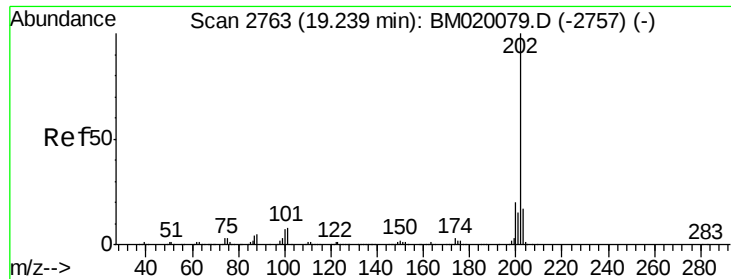
Sohil
5/14/2019 8:07:38 PM



#72
Anthracene
Concen: 9.567 ng
RT: 17.29 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	22.0
179	15.3	12.4	18.6





#75

Fluoranthene

Concen: 53.216 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Instrument :

BNA_M

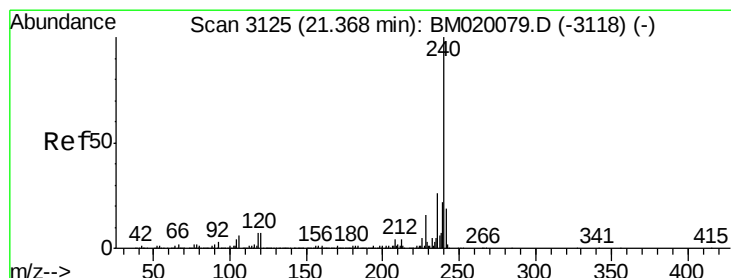
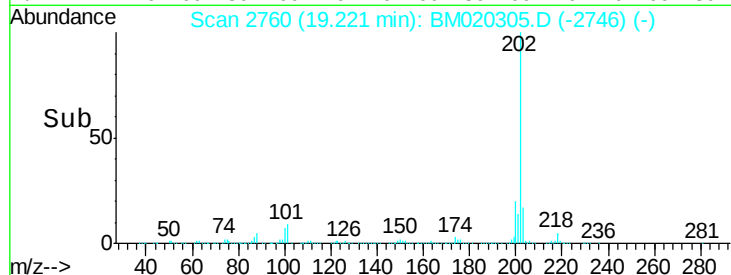
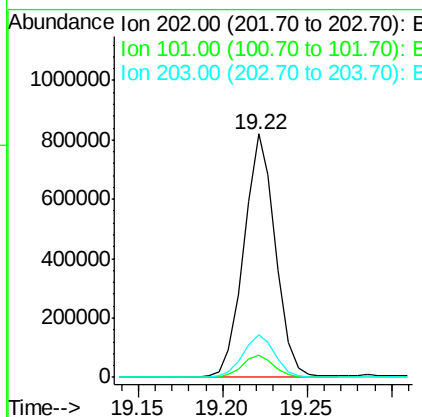
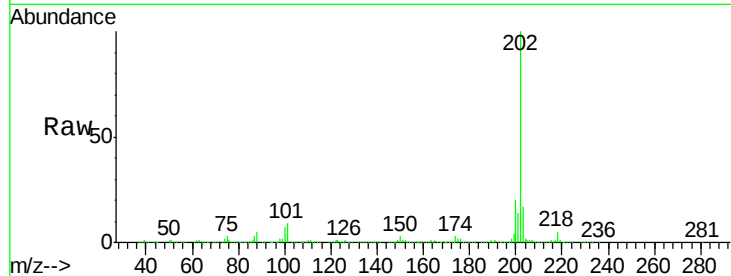
ClientSampleId :

P026-SS013-0612-01

Tot Ion:	202	Resp:	1059538
Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.4
203	17.4	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

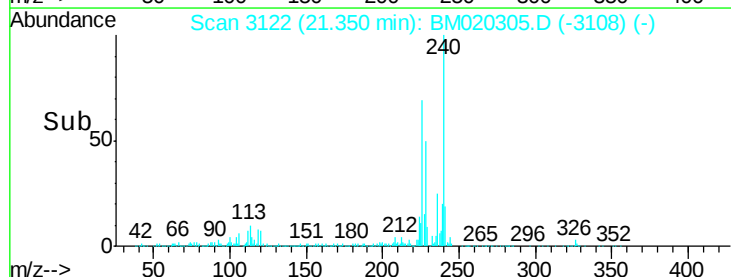
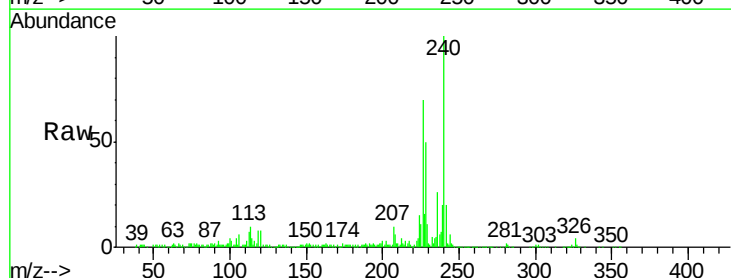
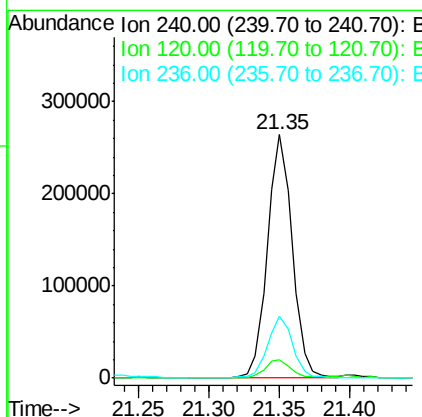
RT: 21.35 min Scan# 3122

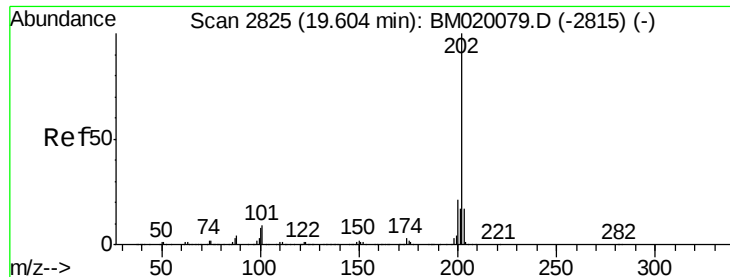
Delta R.T. -0.02 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Tgt Ion:	240	Resp:	325248
Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.6	8.4
236	25.5	20.9	31.3





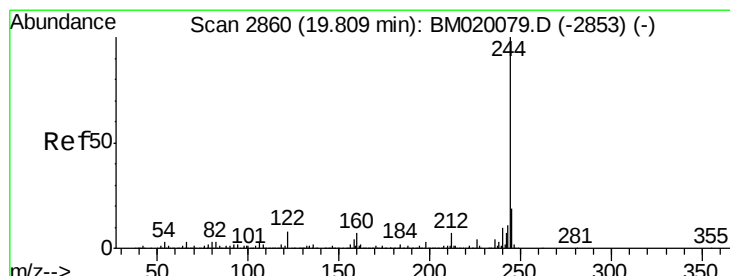
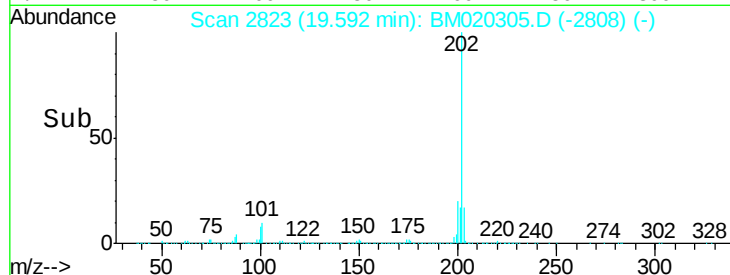
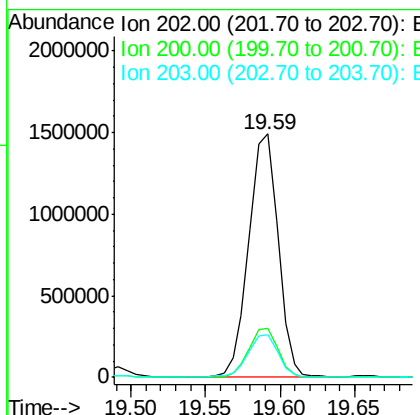
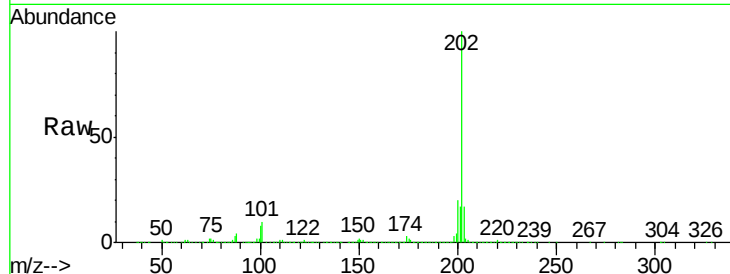
#78
Pvrene
Concen: 92.959 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.5	24.7
203	17.5	13.9	20.9

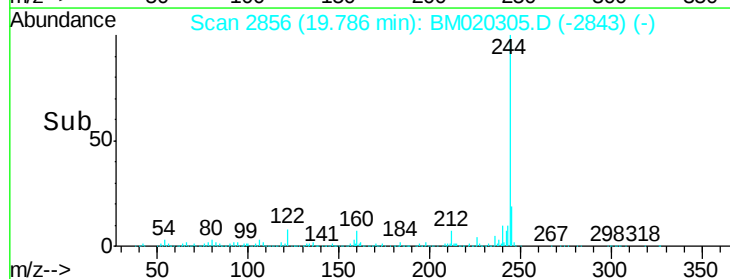
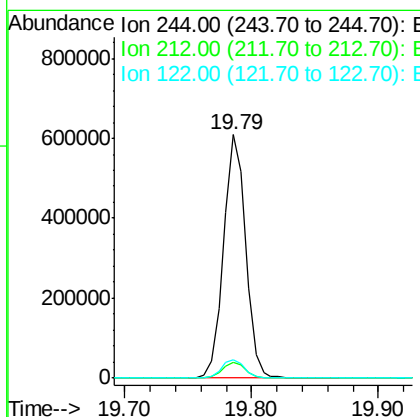
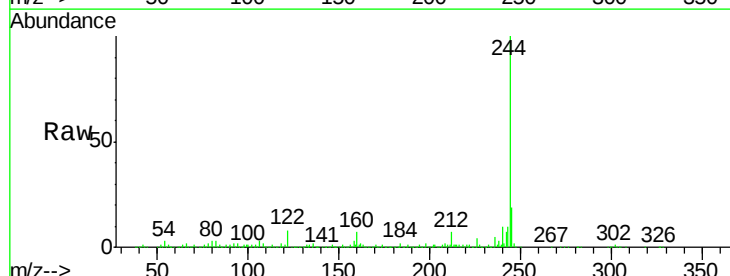
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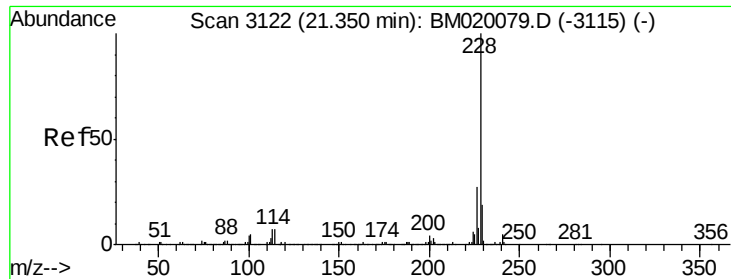
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#79
Terphenyl-d14
Concen: 39.422 ng
RT: 19.79 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.6	6.2	9.2





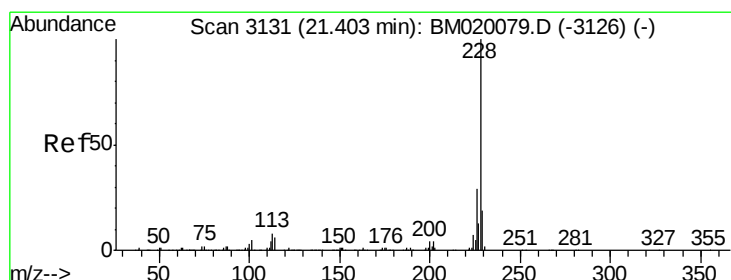
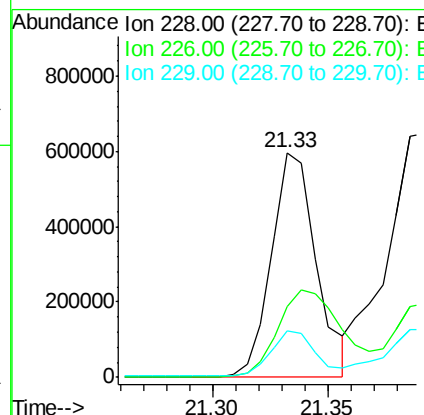
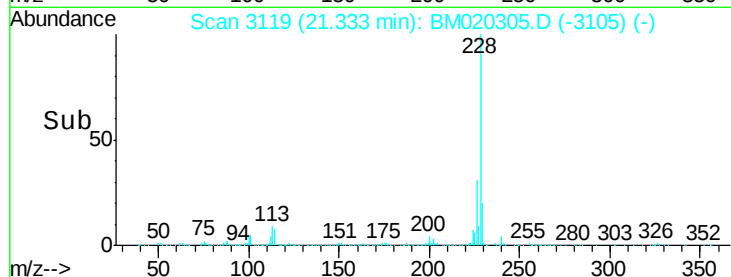
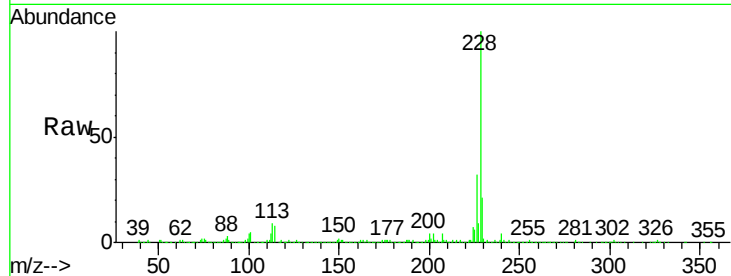
#81
Benzo(a)anthracene
Concen: 34.973 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.3	31.9
229	20.7	15.5	23.3

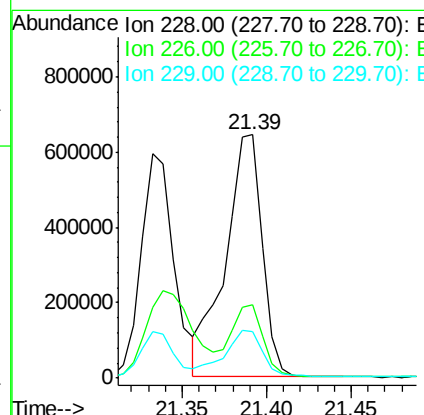
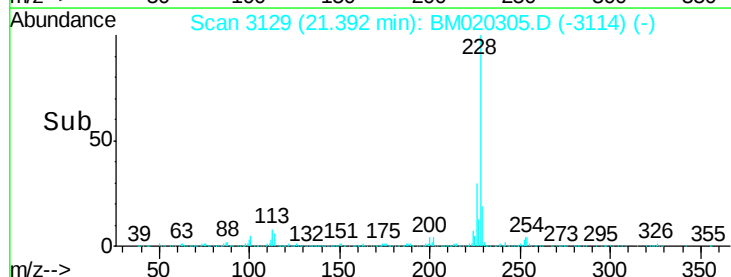
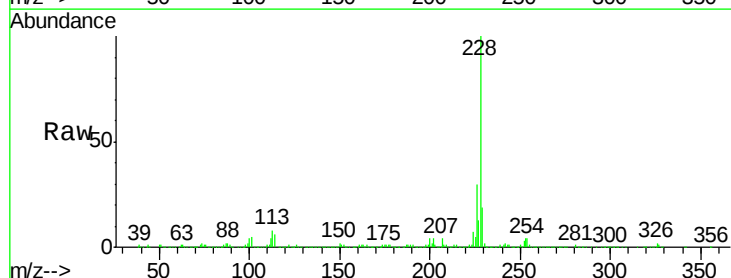
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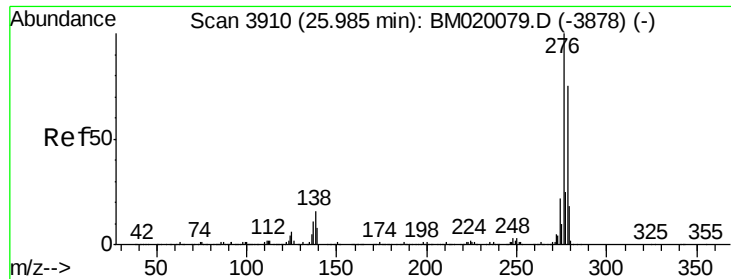
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#83
Chrysene
Concen: 44.241 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.0	34.6
229	19.3	15.5	23.3





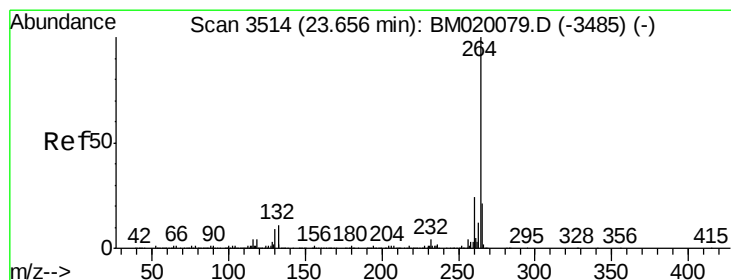
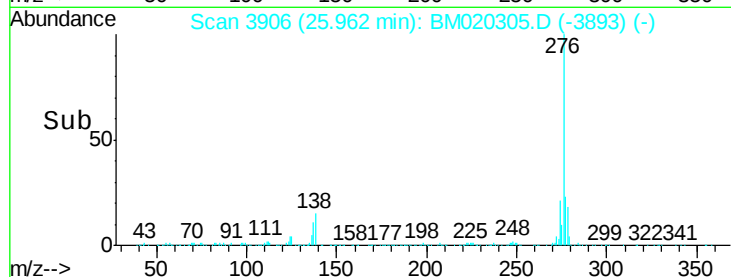
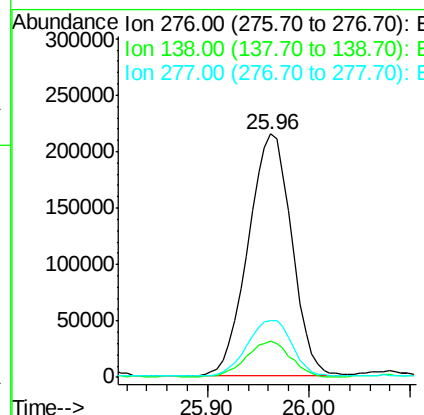
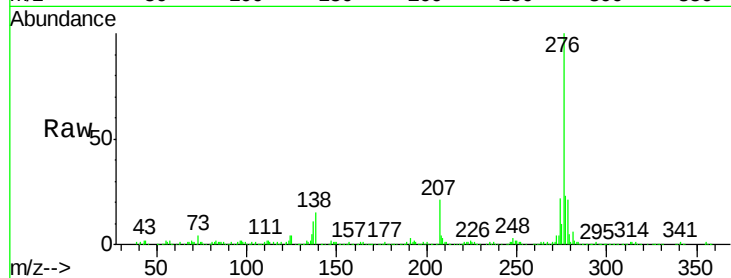
#86
Indeno(1,2,3-cd)pyrene
Concen: 24.202 ng
RT: 25.96 min Scan# 3906
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	0.0	0.0#
277	23.7	0.0	0.0#

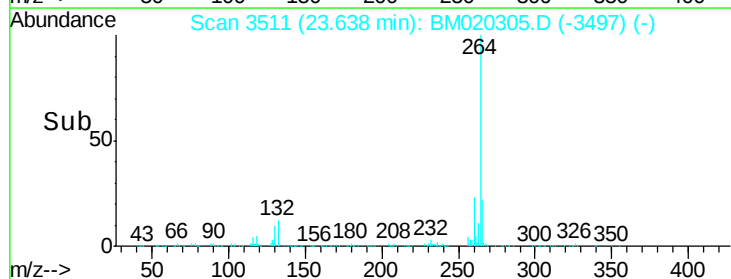
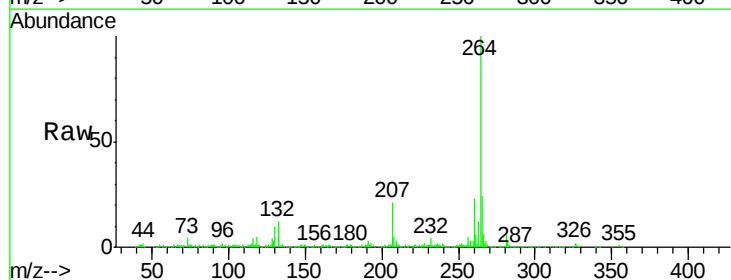
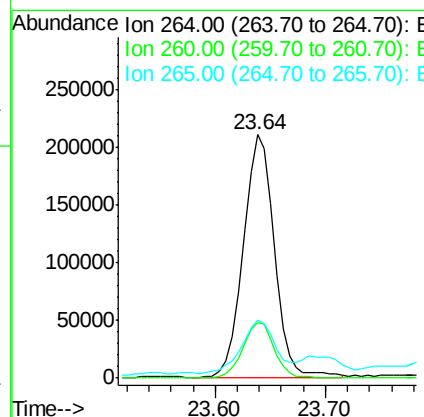
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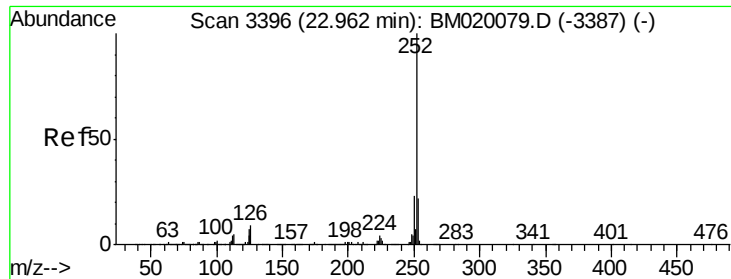
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	23.8	16.9	25.3





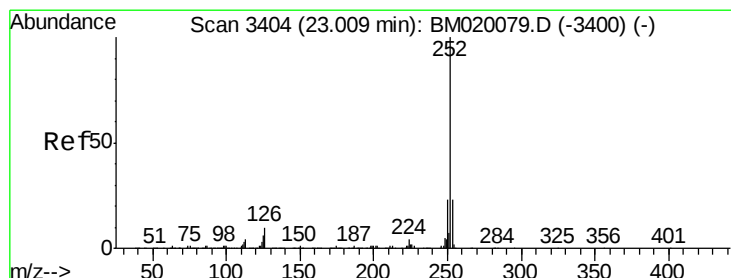
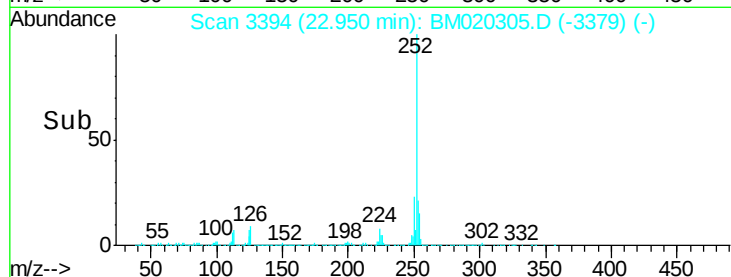
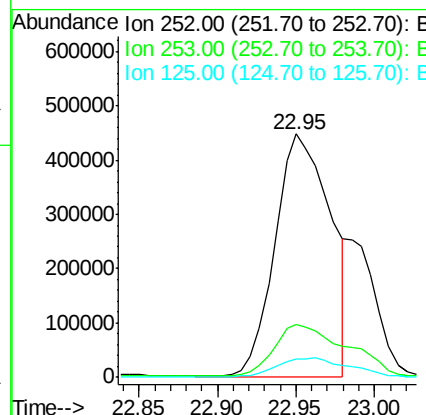
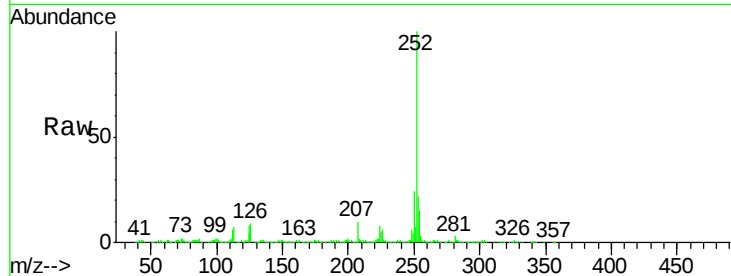
#88
Benzo(b)fluoranthene
Concen: 40.705 ng m
RT: 22.95 min Scan# 3394
Delta R.T. -0.01 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.7	5.4	8.2

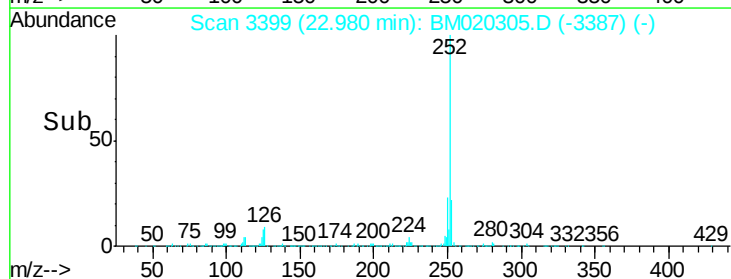
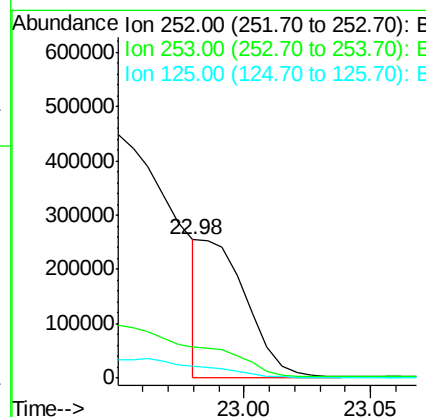
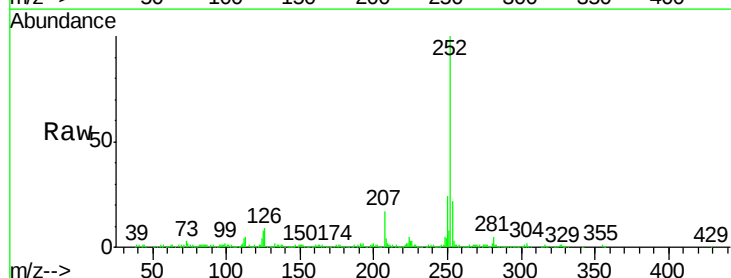
Manual Integrations
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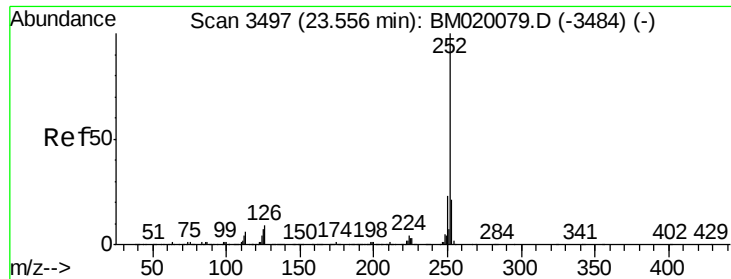
Sohil
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#89
Benzo(k)fluoranthene
Concen: 12.785 ng m
RT: 22.98 min Scan# 3399
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	8.3	5.4	8.0#





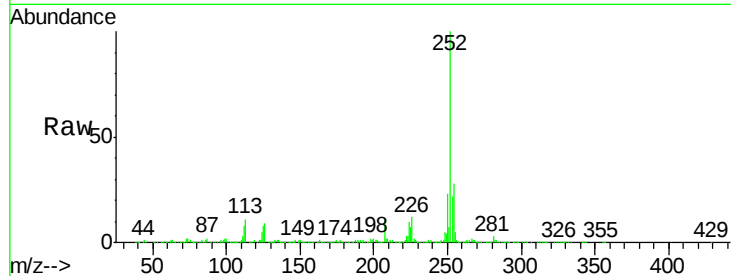
#90
Benzo(a)pyrene
Concen: 31.554 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Instrument :
BNA_M
ClientSampleId :
P026-SS013-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	7.8	5.5	8.3

Manual Integrations
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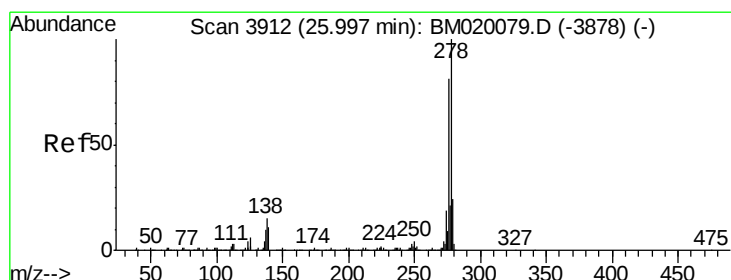
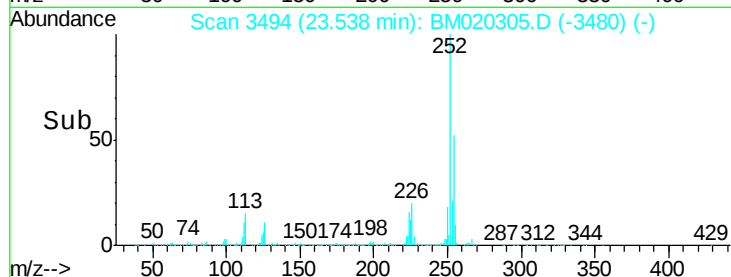
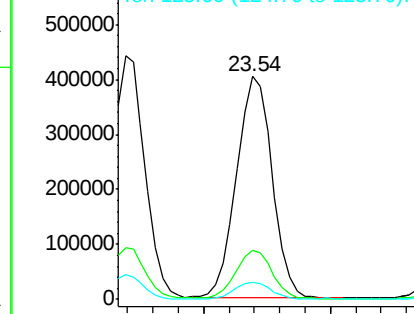


Abundance

Ion 252.00 (251.70 to 252.70): E

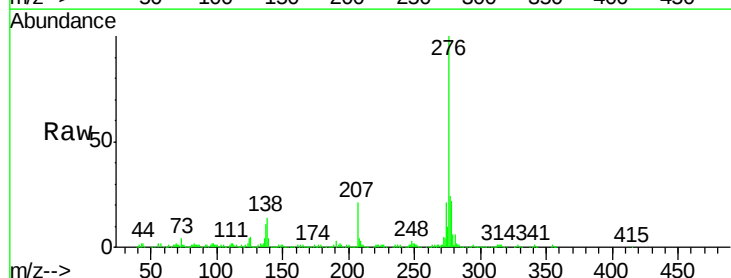
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 6.087 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.03 min
Lab File: BM020305.D
Acq: 12 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	8.6	13.0#
279	25.7	18.8	28.2

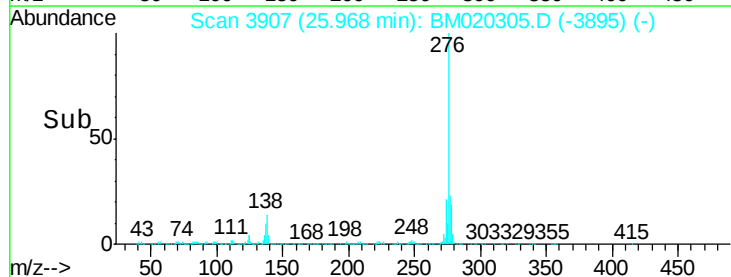
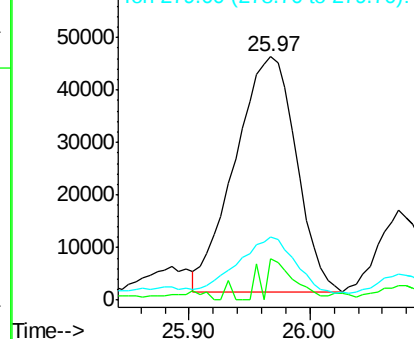


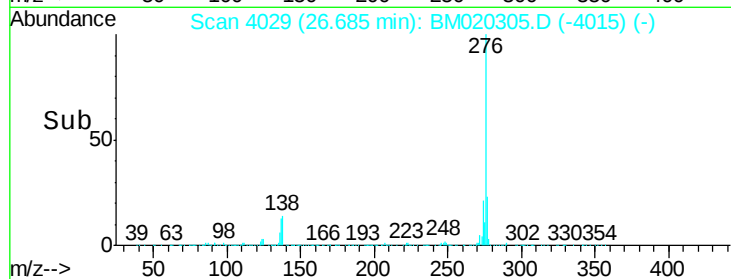
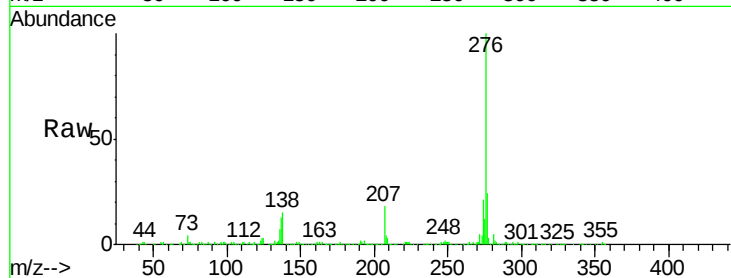
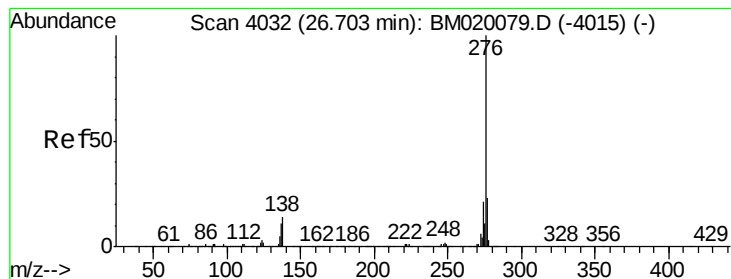
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 31.007 ng

RT: 26.69 min Scan# 4029

Delta R.T. -0.02 min

Lab File: BM020305.D

Acq: 12 May 2019 19:06

Tot Ion	Ratio	Resp	Lower	Upper
276	100	760842		
277	23.5		18.4	27.6
138	14.7		11.1	16.7

Instrument :

BNA_M

ClientSampleId :

P026-SS013-0612-01

Manual Integrations
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