

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051019\
 Data File : BM020264.D
 Acq On : 11 May 2019 06:18
 Operator : JU/SJ
 Sample : K2764-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS001-0206-01

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:25:39 AM

Quant Time: May 12 02:52:49 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	7.77	152	98891	20.00	ng	-0.02
21) Naphthalene-d8	10.56	136	403874	20.00	ng	-0.02
39) Acenaphthene-d10	14.42	164	270669	20.00	ng	-0.02
64) Phenanthrene-d10	17.17	188	638263	20.00	ng	-0.01
76) Chrysene-d12	21.36	240	496480	20.00	ng	-0.01
87) Perylene-d12	23.64	264	476626	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	852066	140.84	ng	-0.01
7) Phenol-d6	6.95	99	1298421	157.10	ng	0.00
23) Nitrobenzene-d5	8.95	82	901546	88.13	ng	-0.01
42) 2,4,6-Tribromophenol	15.92	330	663748	157.99	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	1897211	86.24	ng	-0.02
79) Terphenyl-d14	19.80	244	2921153	102.63	ng	-0.01
Target Compounds						
31) Naphthalene	10.62	128	97175	4.637	ng	Qvalue 98
37) 2-Methylnaphthalene	12.23	142	34424	2.253	ng	94
49) Acenaphthylene	14.14	152	229354	8.057	ng	99
50) Dimethylphthalate	13.87	163	249696	10.854	ng	98
71) Phenanthrene	17.21	178	885794	25.141	ng	100
72) Anthracene	17.30	178	188551	5.353	ng	99
75) Fluoranthene	19.23	202	1822991	40.894	ng	100
78) Pyrene	19.60	202	3482856	104.486	ng	99
81) Benzo(a)anthracene	21.34	228	1004127	28.839	ng	94
83) Chrysene	21.39	228	1129223	33.441	ng	99
86) Indeno(1,2,3-cd)pyrene	25.97	276	496808	12.369	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1084334m	34.452	ng	
89) Benzo(k)fluoranthene	22.99	252	253899m	8.844	ng	
90) Benzo(a)pyrene	23.54	252	600082	20.990	ng	99
91) Dibenzo(a,h)anthracene	25.97	278	126413	4.252	ng	# 93
92) Benzo(g,h,i)perylene	26.69	276	590056	20.904	ng	99

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

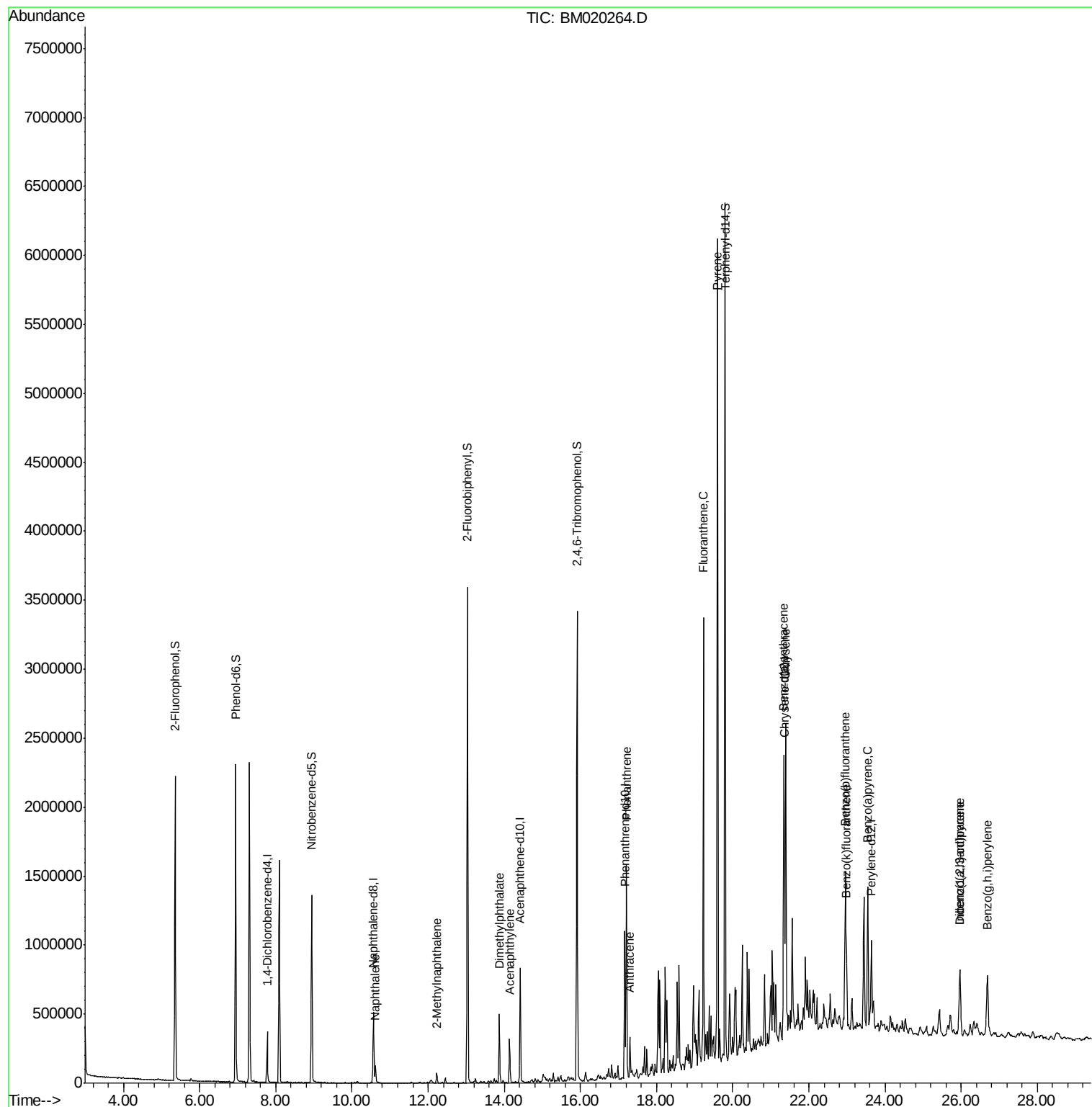
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051019\
Data File : BM020264.D
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ALS Vial : 18 Sample Multiplier: 1

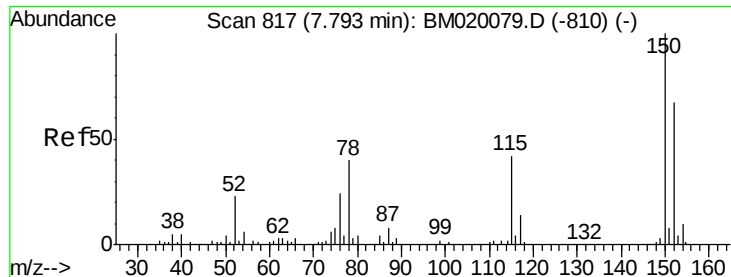
Instrument :
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P026-SS001-0206-01

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#1

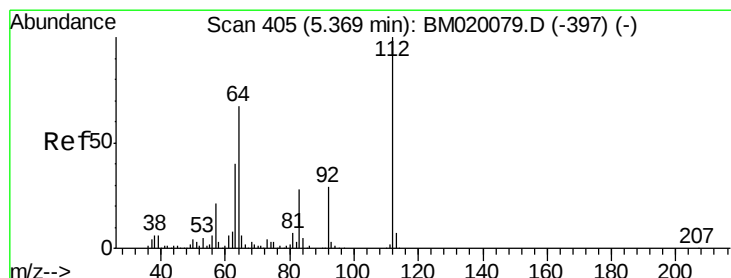
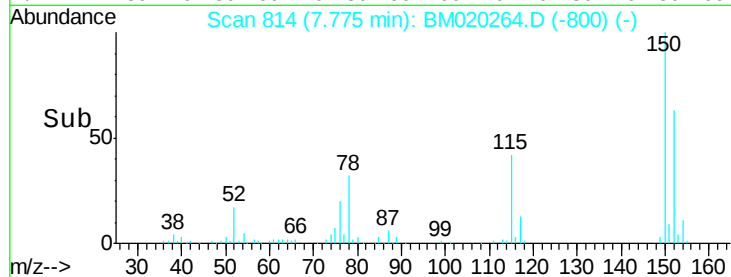
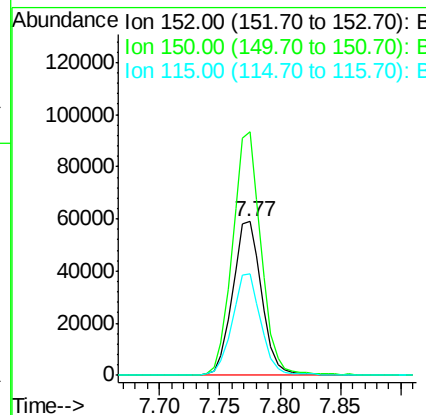
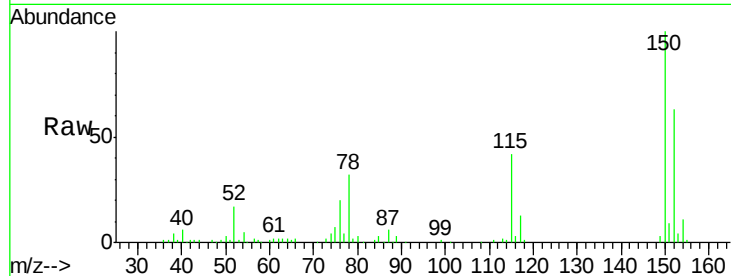
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	119.8	179.8
115	65.9	50.8	76.2

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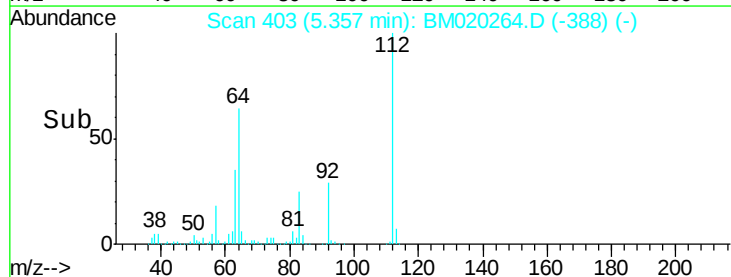
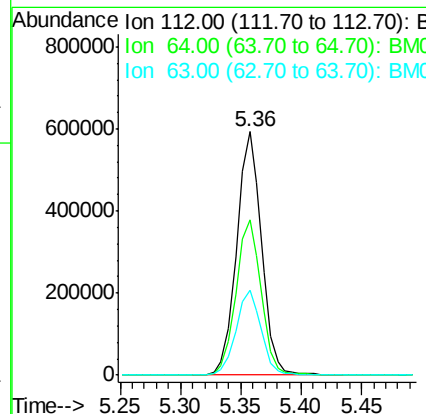
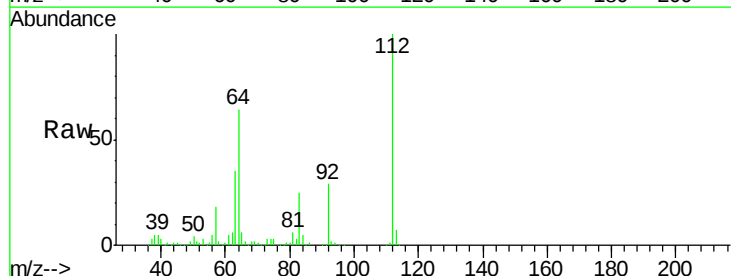
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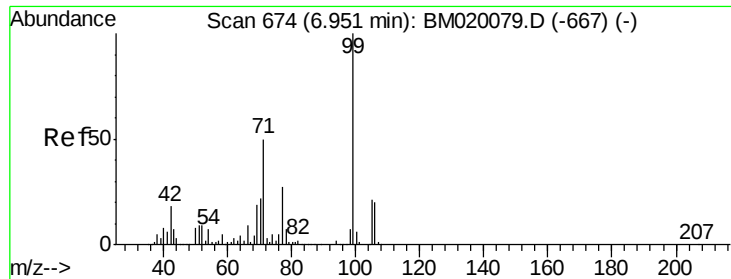


#5

2-Fluorophenol
Concen: 140.840 ng
RT: 5.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.8	80.6
63	34.6	32.3	48.5





#7

Phenol-d6

Concen: 157.099 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

Tgt Ion: 99 Resp: 1298421

Ion Ratio Lower Upper

99 100

42 14.2 14.2 21.2

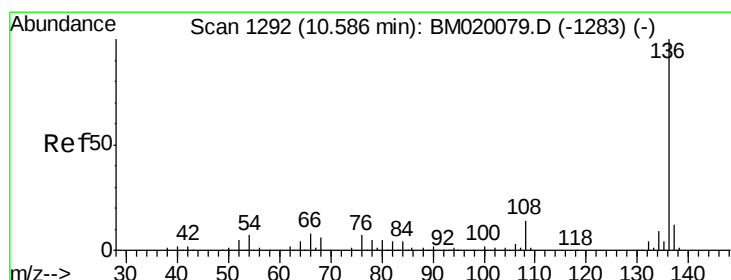
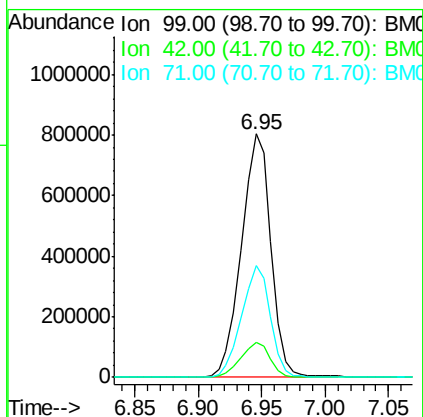
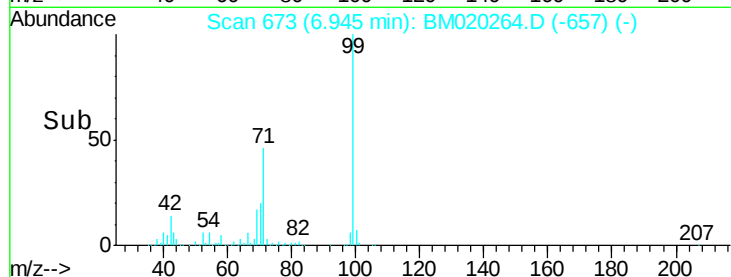
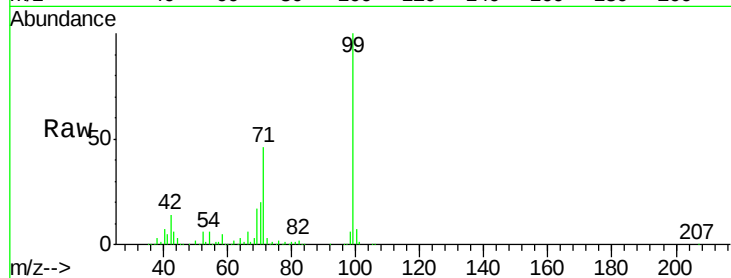
71 45.8 40.3 60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Tgt Ion: 136 Resp: 403874

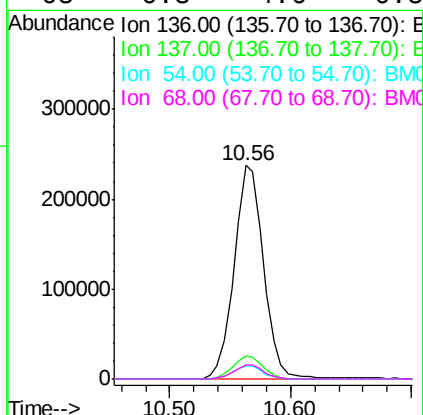
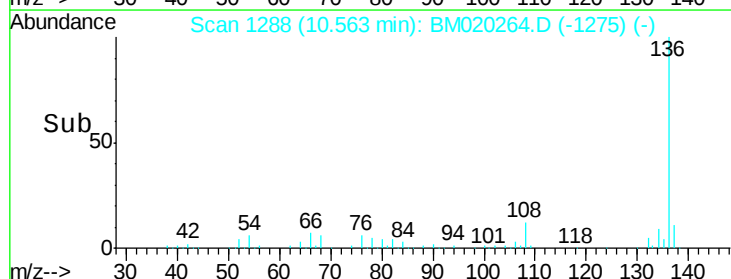
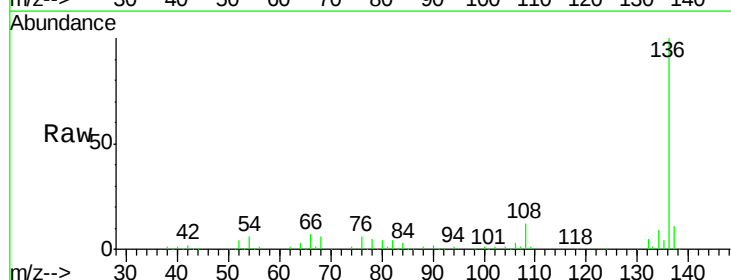
Ion Ratio Lower Upper

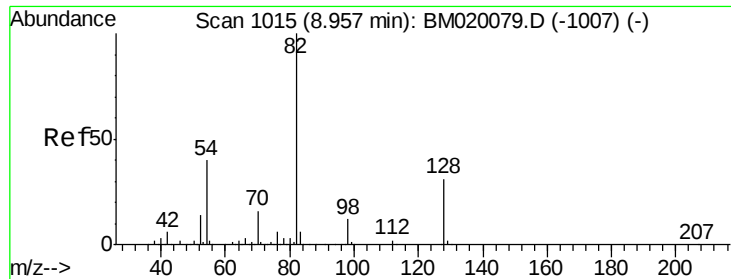
136 100

137 10.8 9.6 14.4

54 5.9 5.5 8.3

68 6.3 4.6 6.8





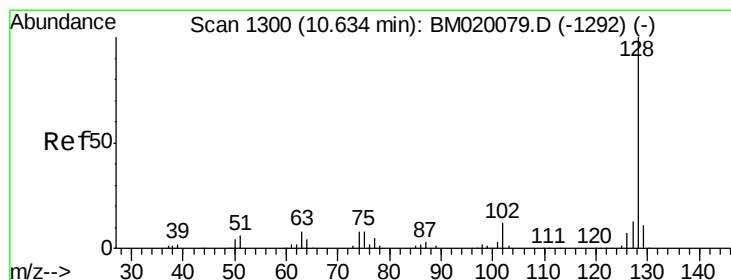
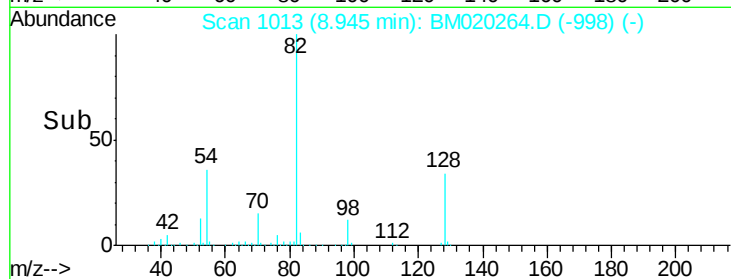
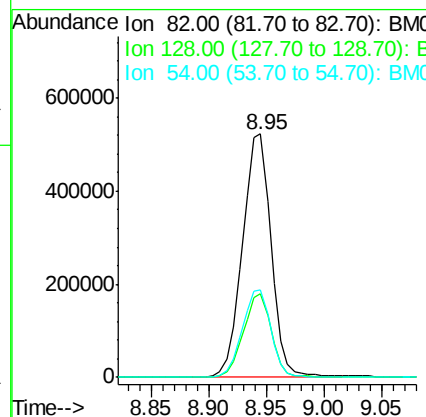
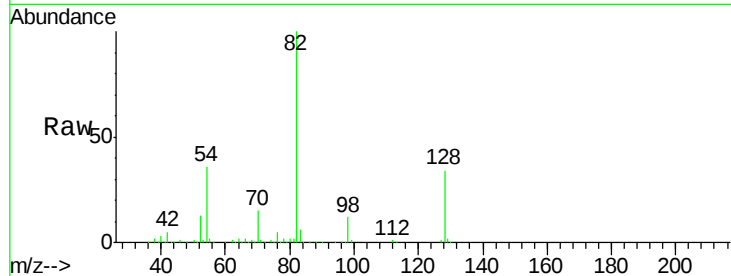
#23
Nitrobenzene-d5
Concen: 88.129 ng
RT: 8.95 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	25.2	37.8
54	36.1	31.9	47.9

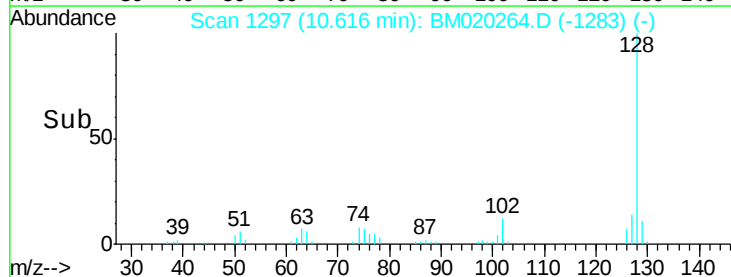
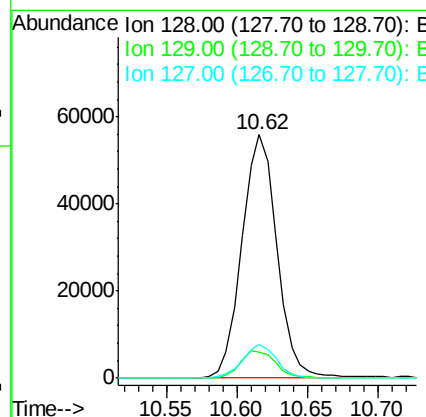
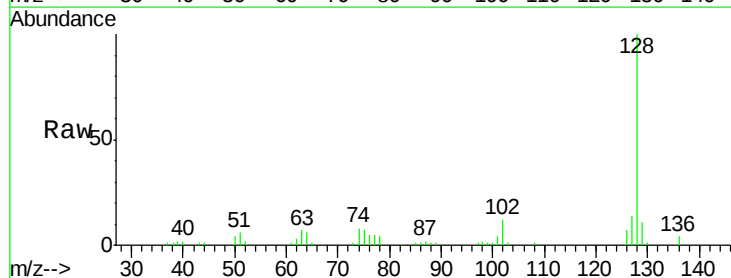
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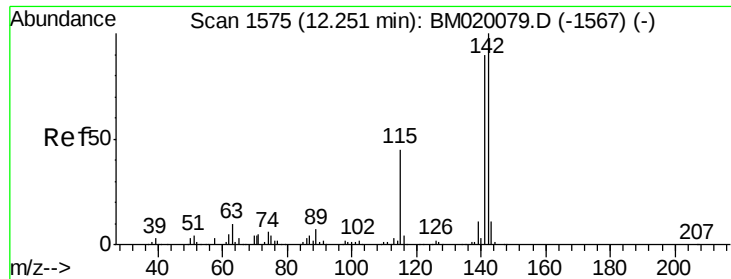
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#31
Naphthalene
Concen: 4.637 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	14.1	10.4	15.6





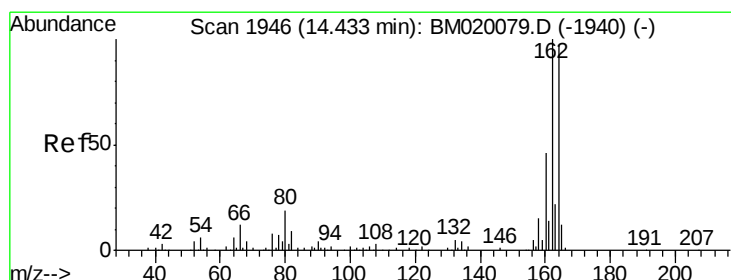
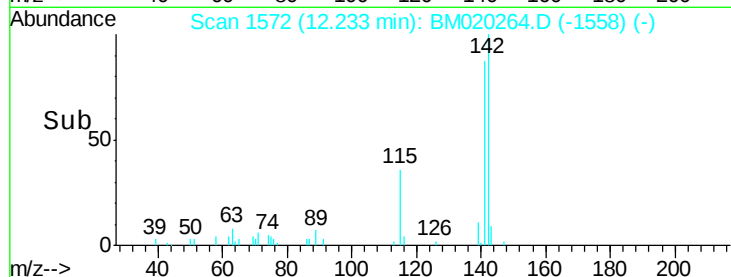
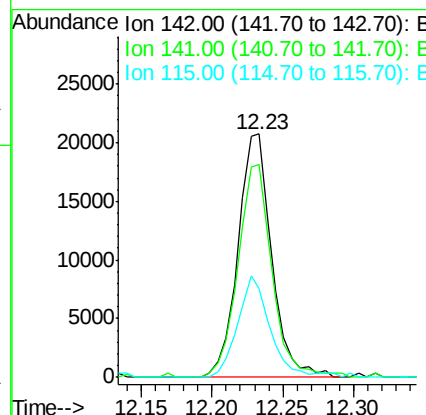
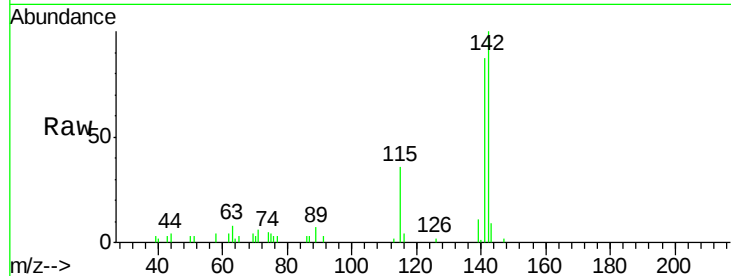
#37
2-Methylnaphthalene
Concen: 2.253 ng
RT: 12.23 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.6	107.4
115	36.4	35.8	53.6

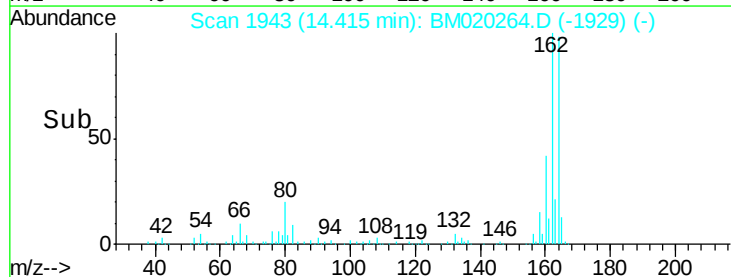
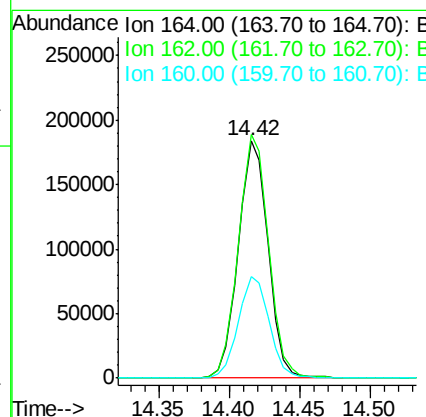
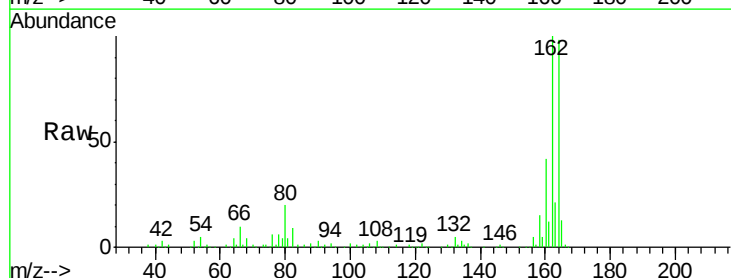
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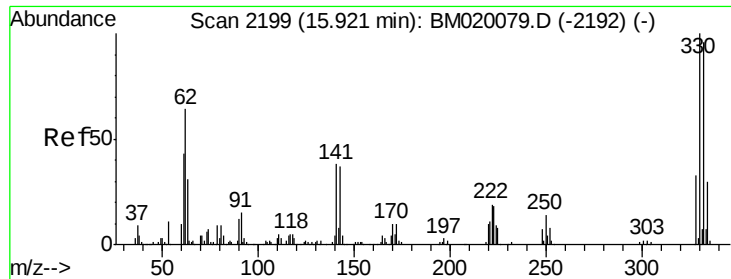
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1943
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.2	123.2
160	42.9	37.6	56.4





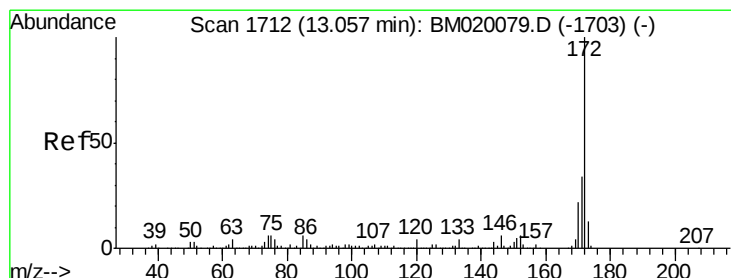
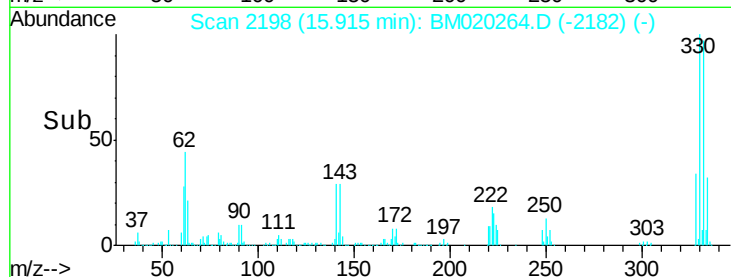
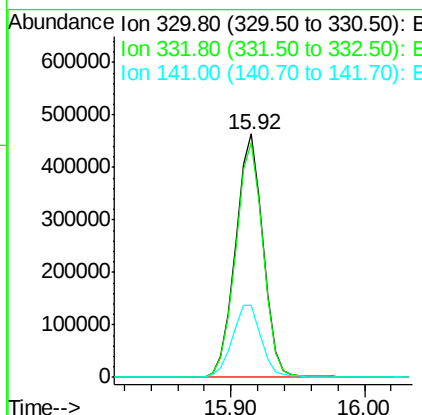
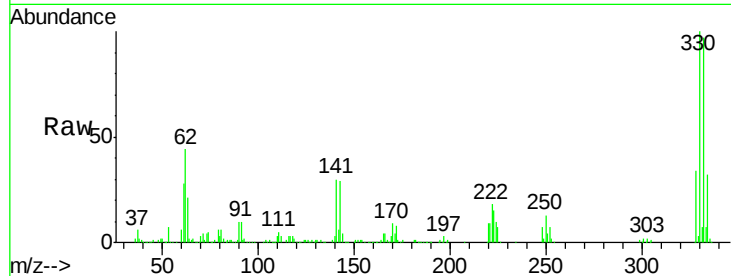
#42
 2,4,6-Tribromophenol
 Concen: 157.987 ng
 RT: 15.92 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BM020264.D
 Acq: 11 May 2019 06:18

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS001-0206-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	663748		
332	96.7	76.8	115.2	
141	31.0	29.2	43.8	

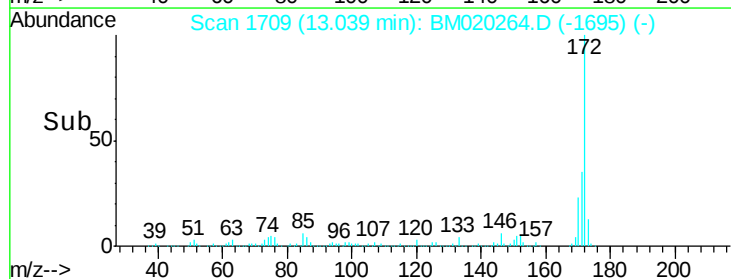
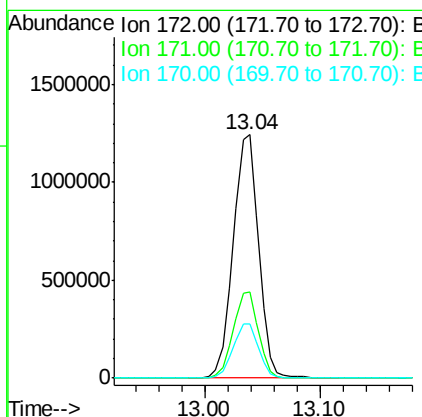
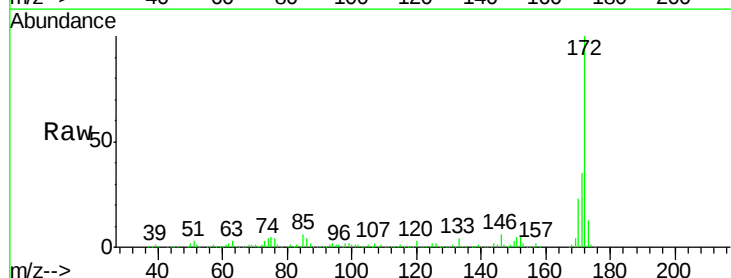
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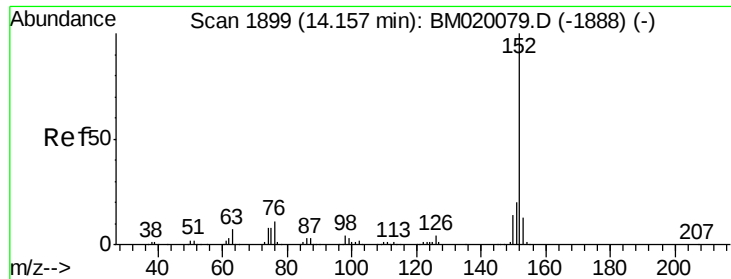
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#45
 2-Fluorobiphenyl
 Concen: 86.240 ng
 RT: 13.04 min Scan# 1709
 Delta R.T. -0.02 min
 Lab File: BM020264.D
 Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1897211		
171	35.1	27.3	40.9	
170	22.5	17.9	26.9	





#49

Acenaphthylene

Concen: 8.057 ng

RT: 14.14 min Scan# 1896

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

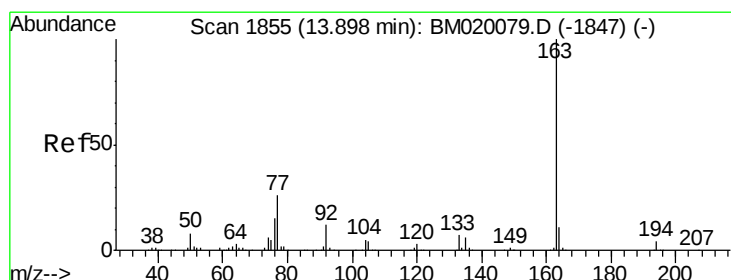
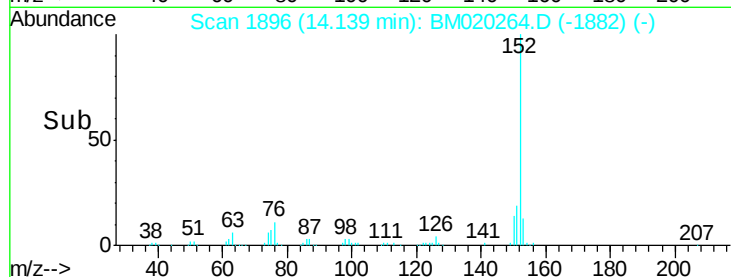
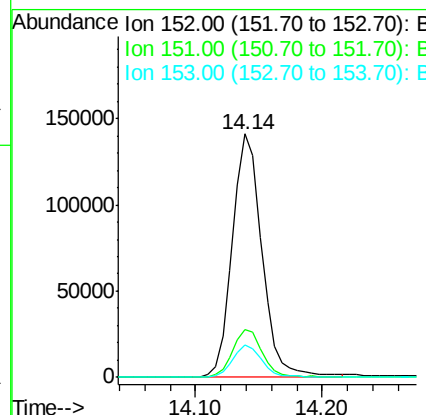
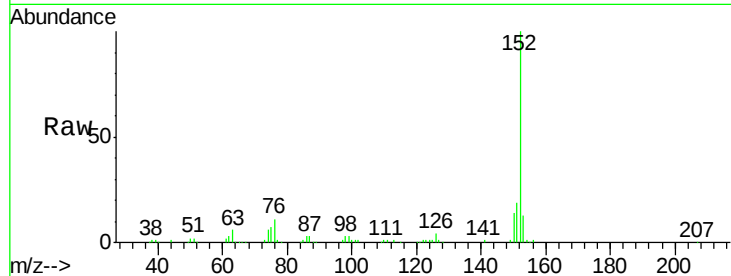
ClientSampleId :

P026-SS001-0206-01

Tgt Ion:	152	Resp:	229354
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.2	24.2
153	13.1	10.6	16.0

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#50

Dimethylphthalate

Concen: 10.854 ng

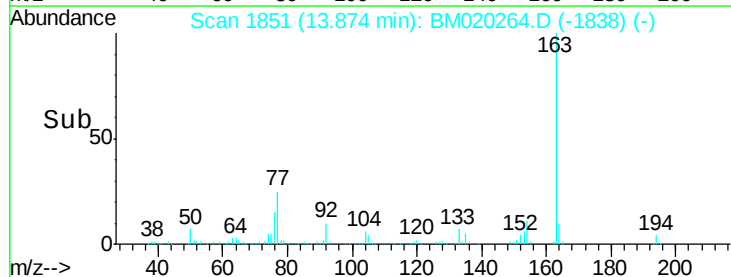
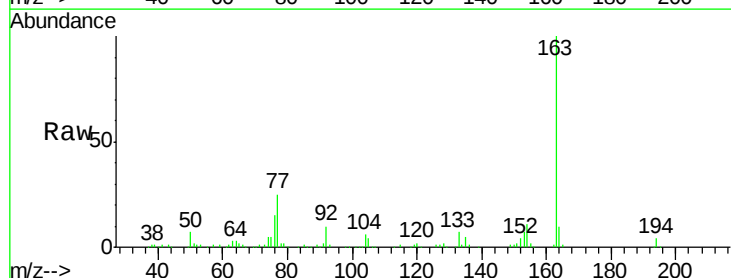
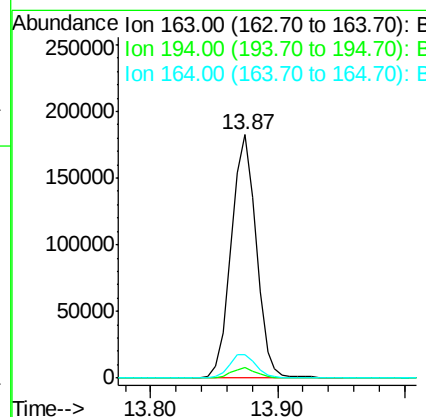
RT: 13.87 min Scan# 1851

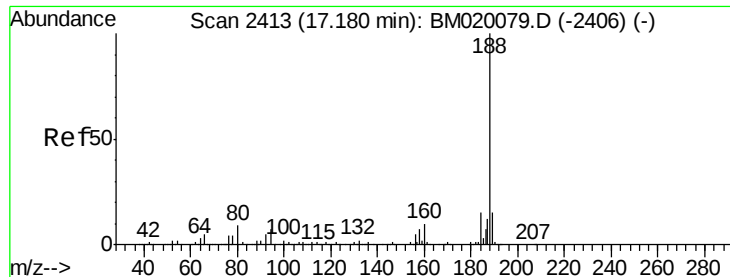
Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Tgt Ion:	163	Resp:	249696
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.6	5.4
164	9.8	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

Tgt Ion:188 Resp: 638263
Ion Ratio Lower Upper

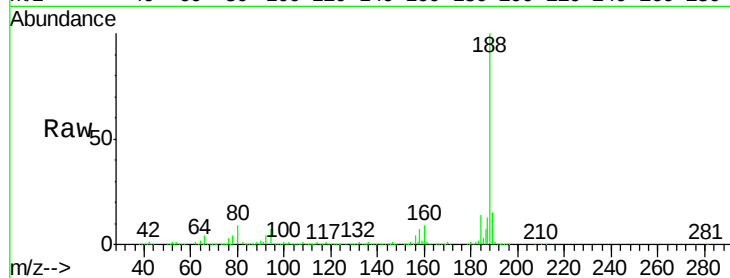
188 100

94 7.2 5.8 8.6

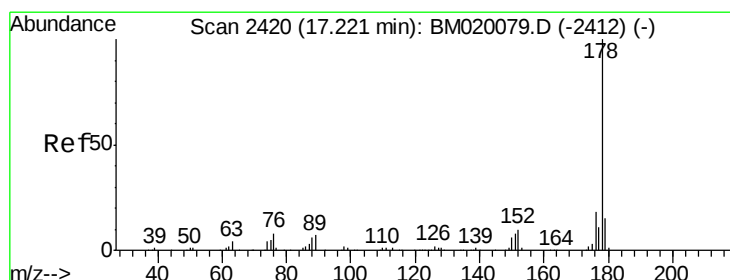
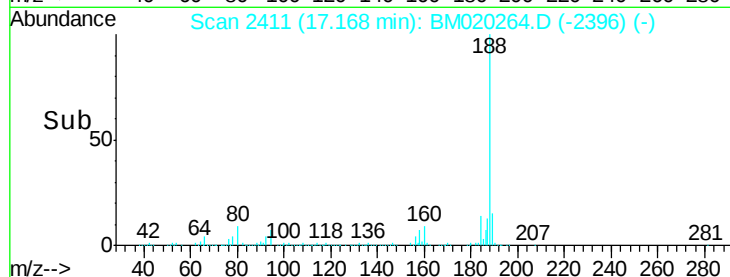
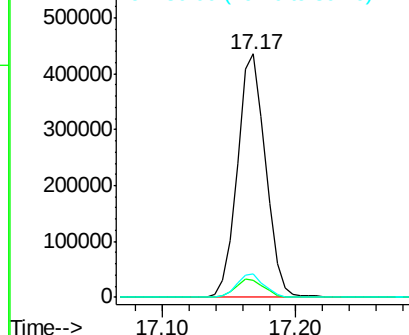
80 9.4 7.4 11.2

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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: 25.141 ng

RT: 17.21 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BM020264.D

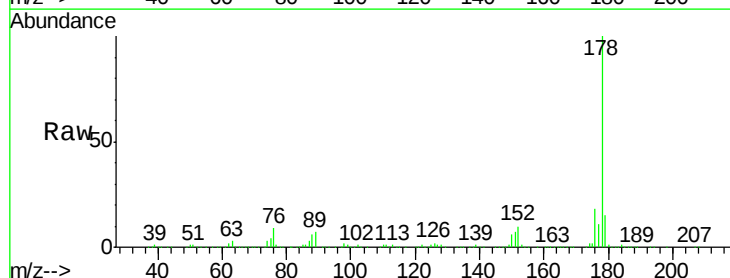
Acq: 11 May 2019 06:18

Tgt Ion:178 Resp: 885794
Ion Ratio Lower Upper

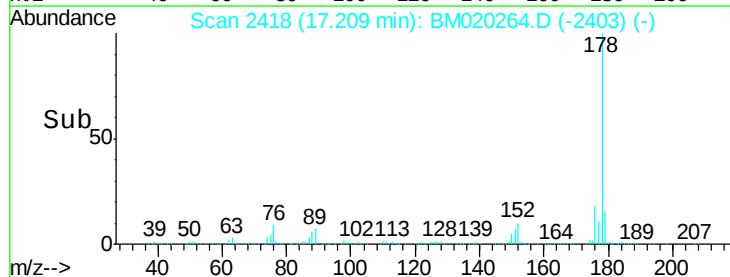
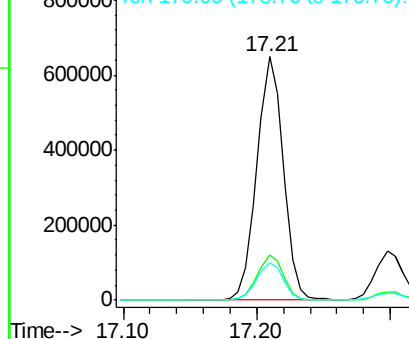
178 100

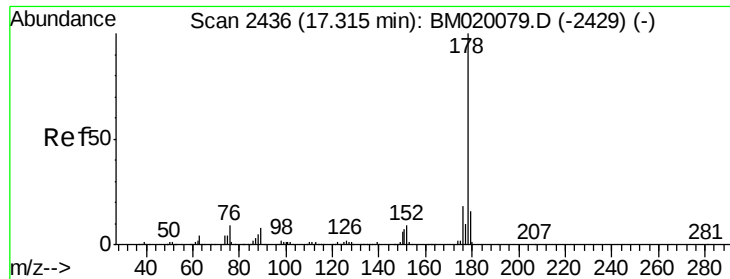
176 18.4 14.6 21.8

179 15.3 12.4 18.6



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: 5.353 ng

RT: 17.30 min Scan# 2433

Delta R.T. -0.02 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

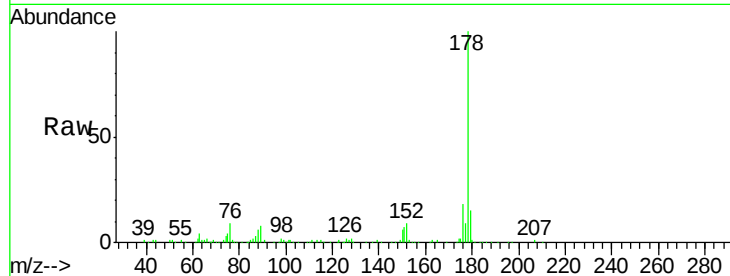
ClientSampleId :

P026-SS001-0206-01

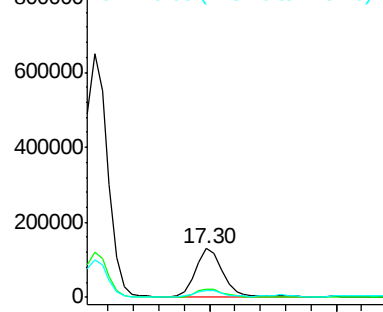
Tgt Ion:	178	Resp:	188551
Ion Ratio	Lower	Upper	
178	100		
176	17.7	14.6	22.0
179	15.0	12.4	18.6

Manual Integrations
APPROVED

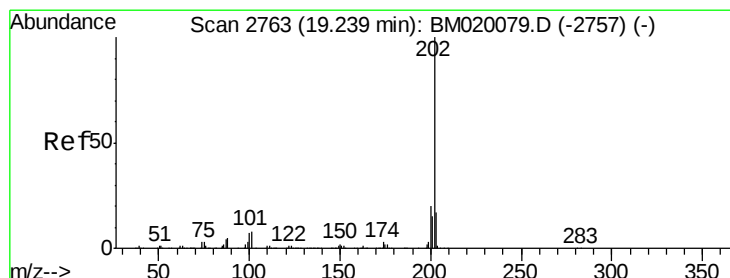
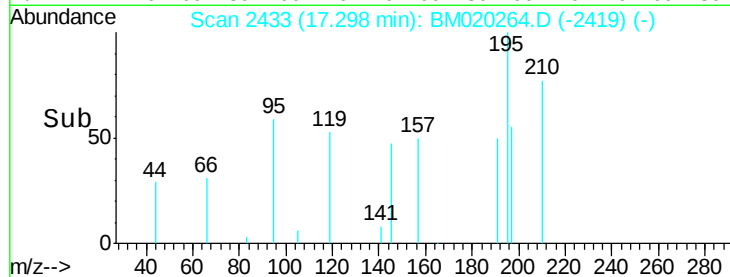
mohammad
5/13/2019 8:25:39 AM



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



Time-->



#75

Fluoranthene

Concen: 40.894 ng

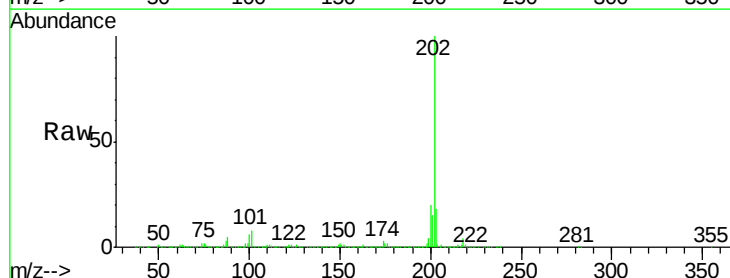
RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

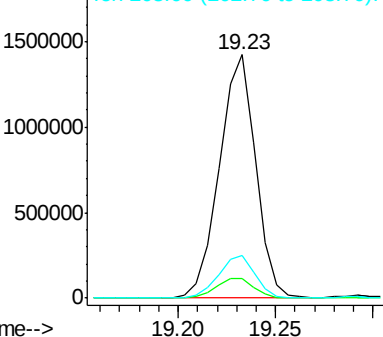
Lab File: BM020264.D

Acq: 11 May 2019 06:18

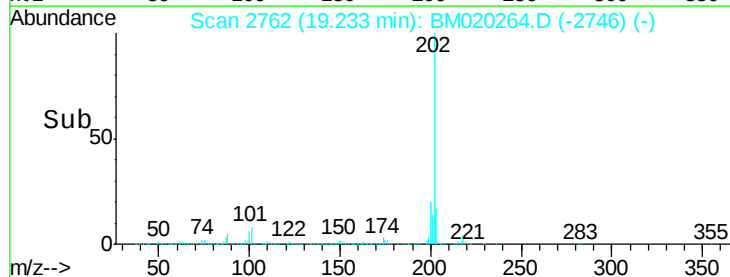
Tgt Ion:	202	Resp:	1822991
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	28.4
203	17.6	0.0	37.4

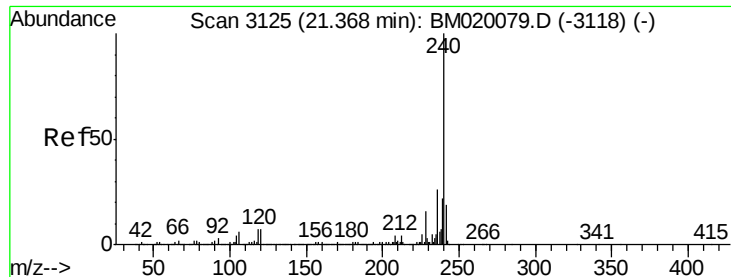


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





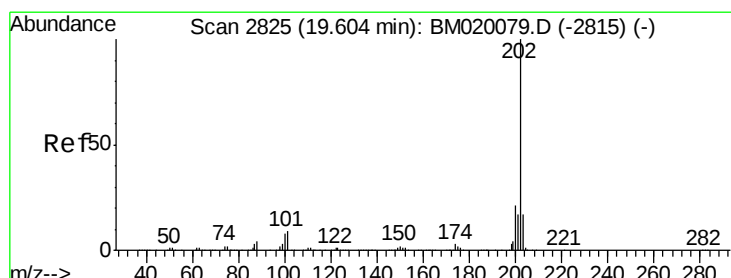
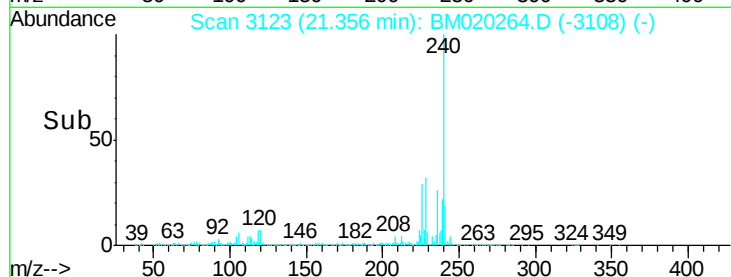
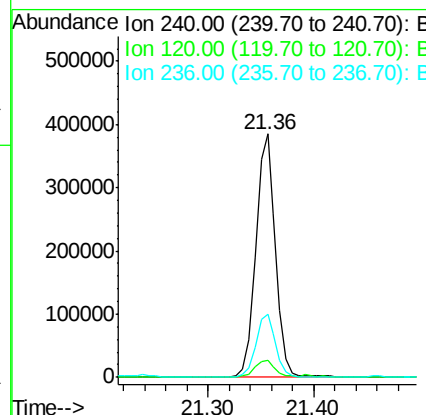
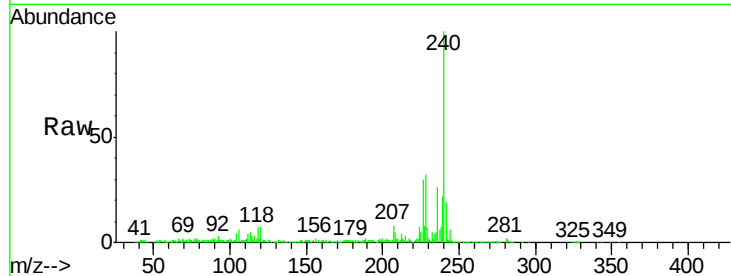
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.6	8.4
236	25.8	20.9	31.3

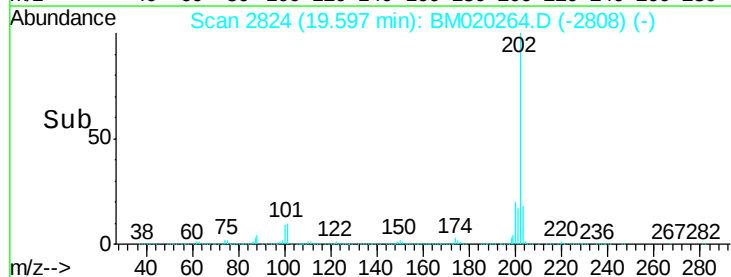
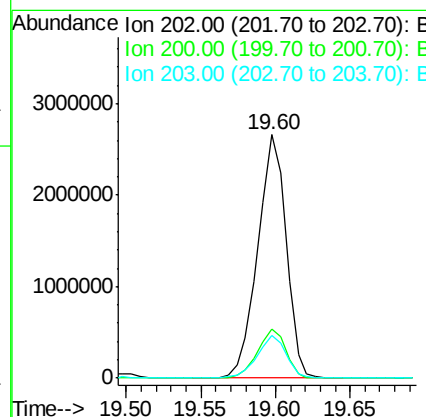
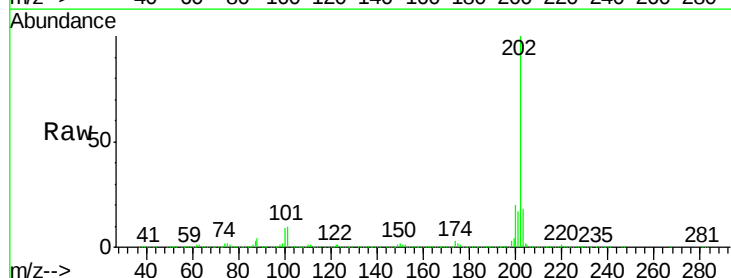
Manual Integrations
APPROVED

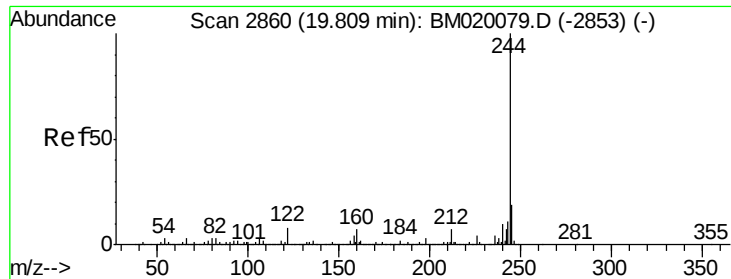
mohammad
5/13/2019 8:25:39 AM



#78
Pyrene
Concen: 104.486 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.6	13.9	20.9





#79

Terphenyl-d14

Concen: 102.625 ng

RT: 19.80 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

ClientSampleId :

P026-SS001-0206-01

Tgt Ion:244 Resp: 2921153

Ion Ratio Lower Upper

244 100

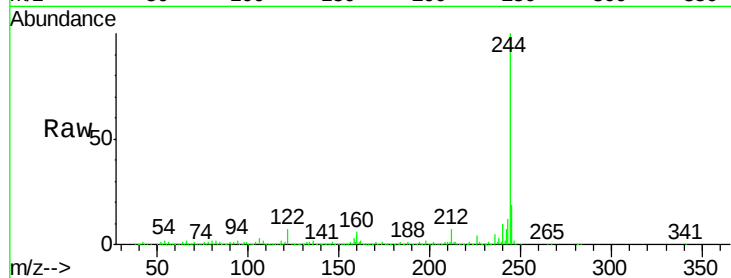
212 6.7 5.7 8.5

122 7.0 6.2 9.2

Manual Integrations
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mohammad

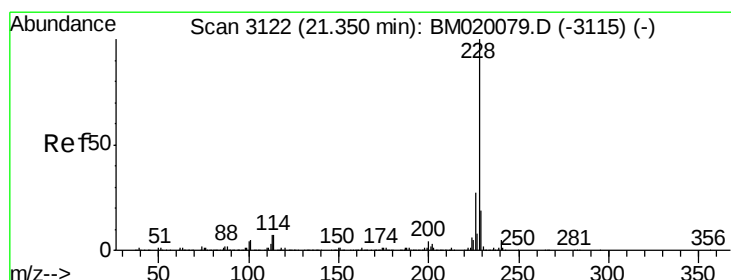
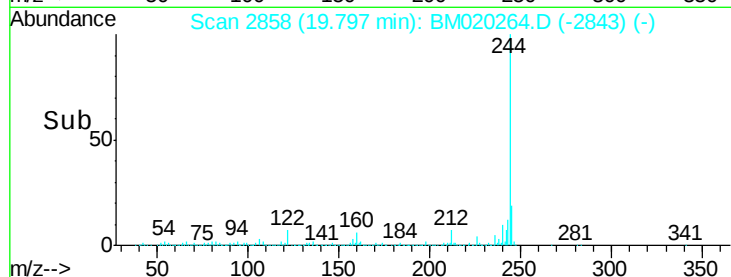
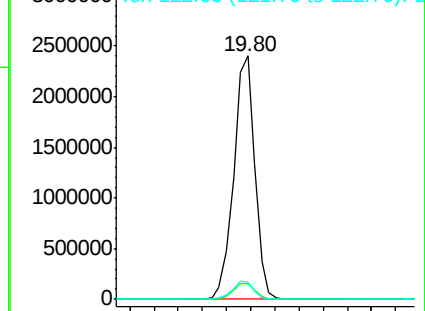
5/13/2019 8:25:39 AM



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: 28.839 ng

RT: 21.34 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

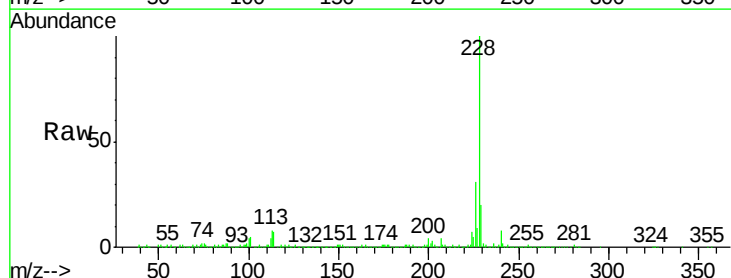
Tgt Ion:228 Resp: 1004127

Ion Ratio Lower Upper

228 100

226 30.7 21.3 31.9

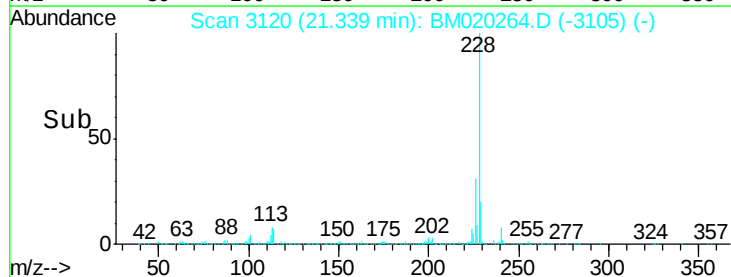
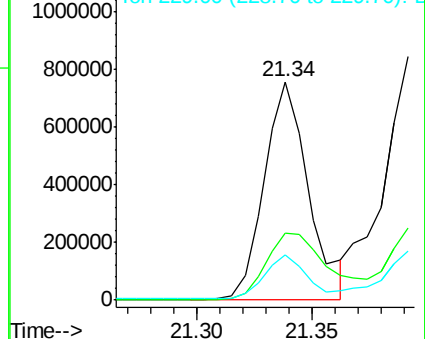
229 20.5 15.5 23.3

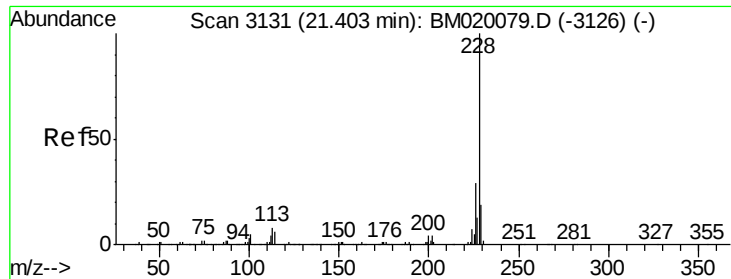


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





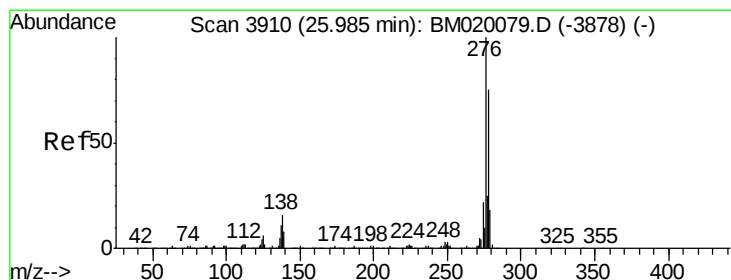
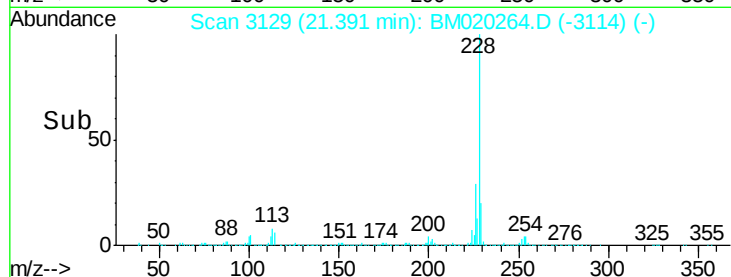
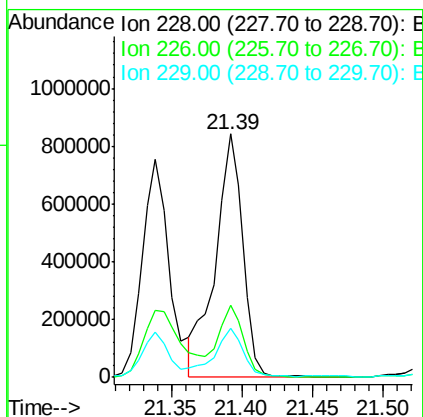
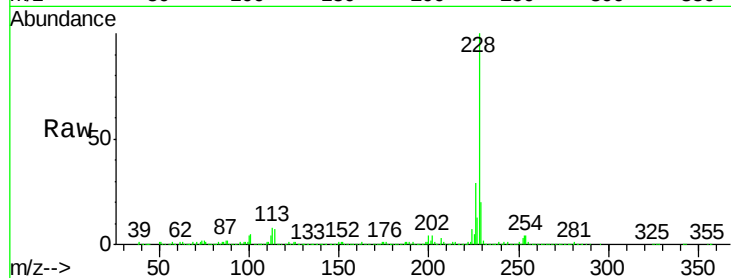
#83
Chrysene
Concen: 33.441 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion: 228 Resp: 1129223
Ion Ratio Lower Upper
228 100
226 29.5 23.0 34.6
229 20.1 15.5 23.3

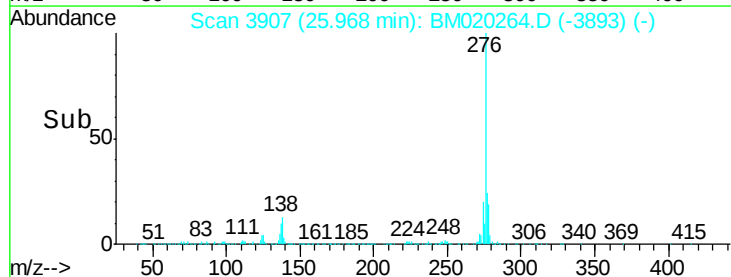
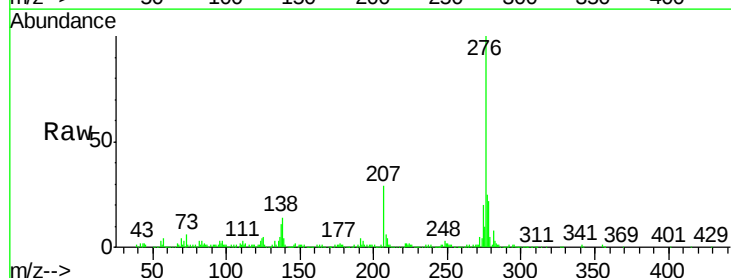
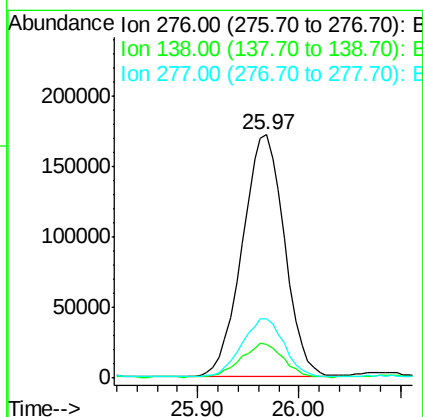
Manual Integrations
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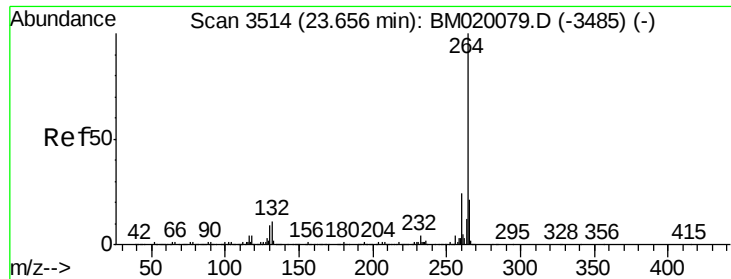
mohammad
5/13/2019 8:25:39 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 12.369 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion: 276 Resp: 496808
Ion Ratio Lower Upper
276 100
138 14.0 0.0 0.0#
277 24.2 0.0 0.0#





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Instrument :

BNA_M

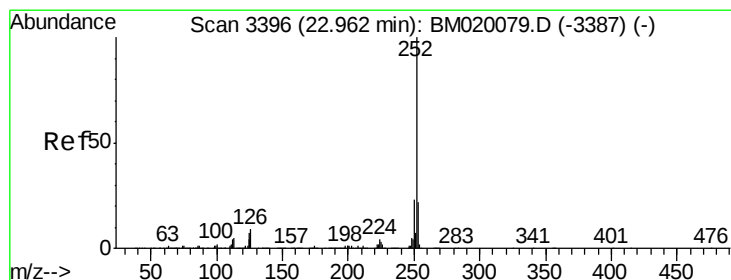
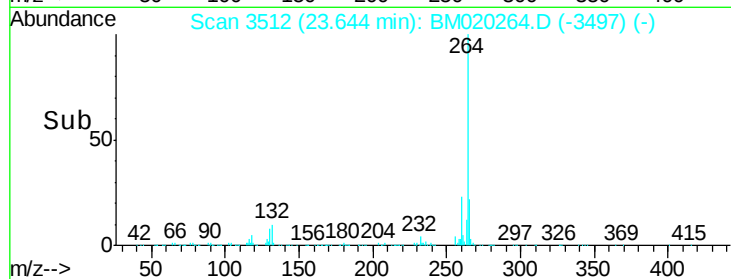
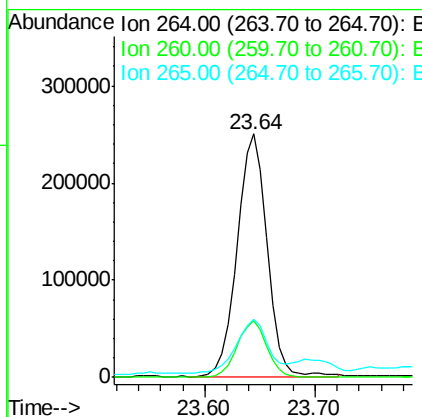
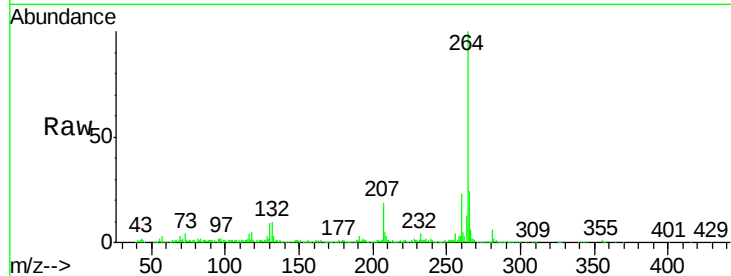
ClientSampleId :

P026-SS001-0206-01

Tgt Ion:	264	Resp:	476626
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	23.8	16.9	25.3

Manual Integrations
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mohammad
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#88

Benzo(b)fluoranthene

Concen: 34.452 ng m

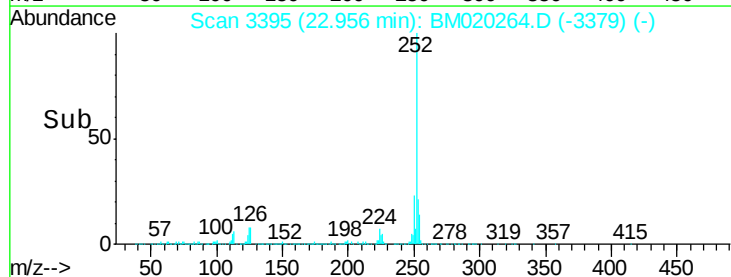
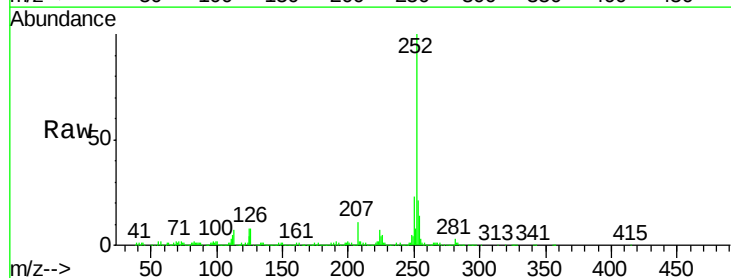
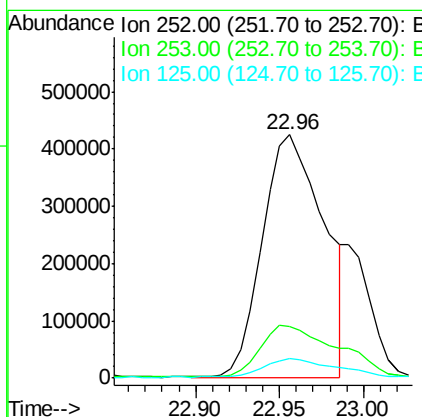
RT: 22.96 min Scan# 3395

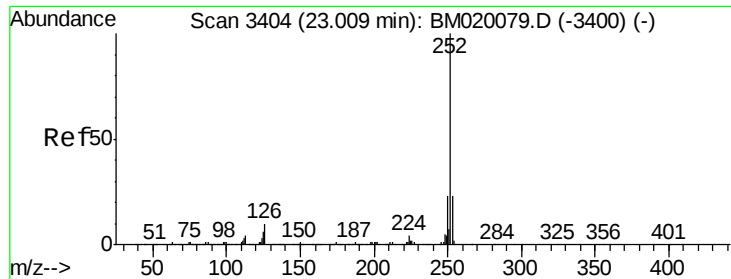
Delta R.T. -0.01 min

Lab File: BM020264.D

Acq: 11 May 2019 06:18

Tgt Ion:	252	Resp:	1084334
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.5	26.3
125	8.1	5.4	8.2





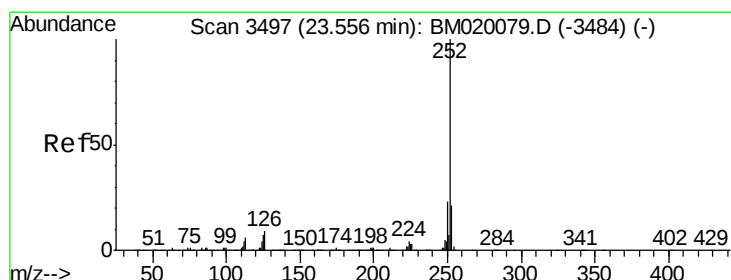
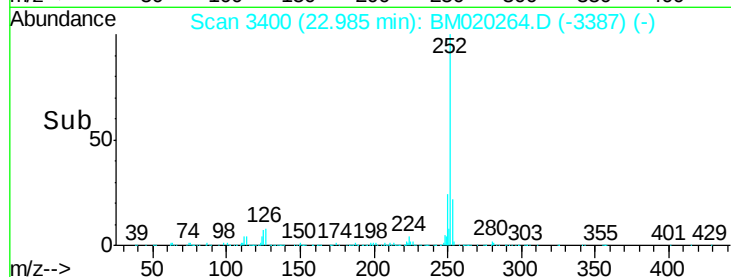
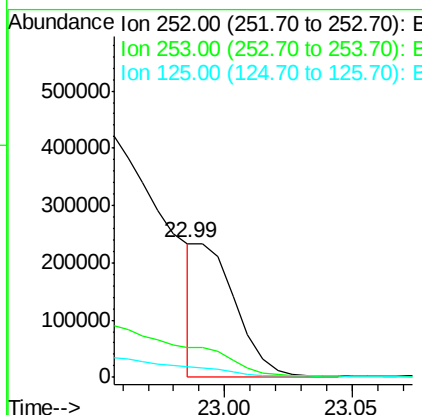
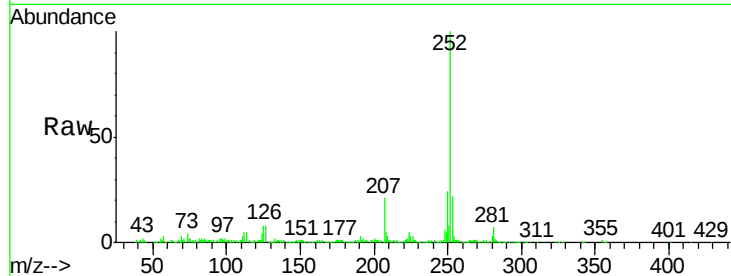
#89
Benzo(k)fluoranthene
Concen: 8.844 ng m
RT: 22.99 min Scan# 3400
Delta R.T. -0.02 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	8.2	5.4	8.0

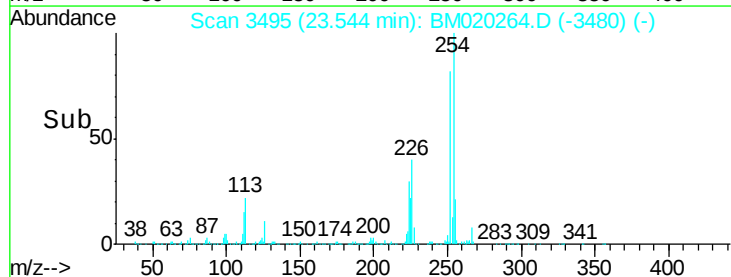
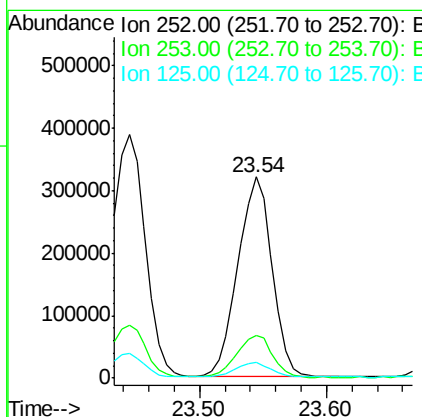
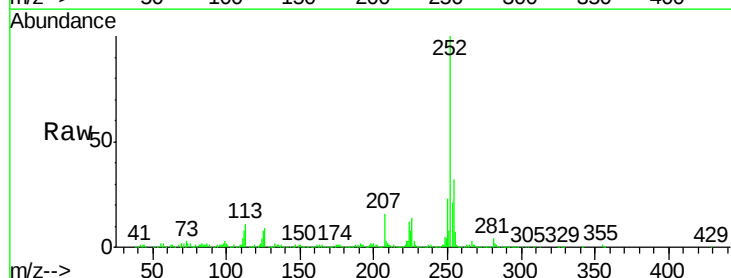
Manual Integrations
APPROVED

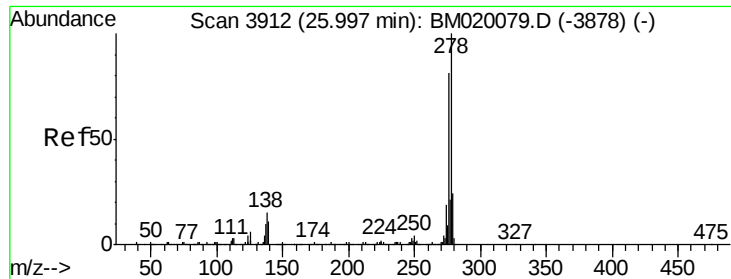
mohammad
5/13/2019 8:25:39 AM



#90
Benzo(a)pyrene
Concen: 20.990 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	7.6	5.5	8.3





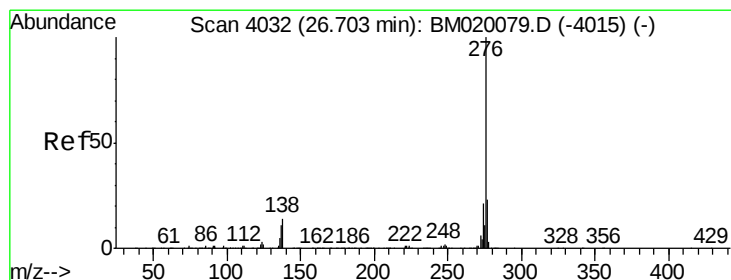
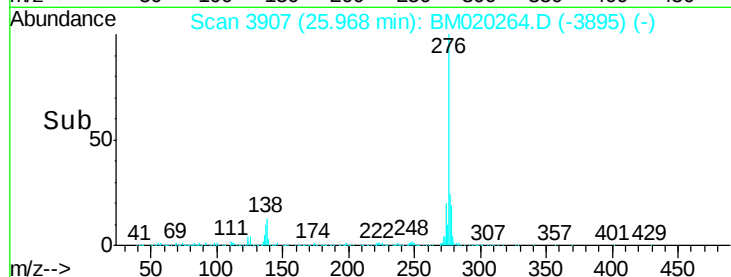
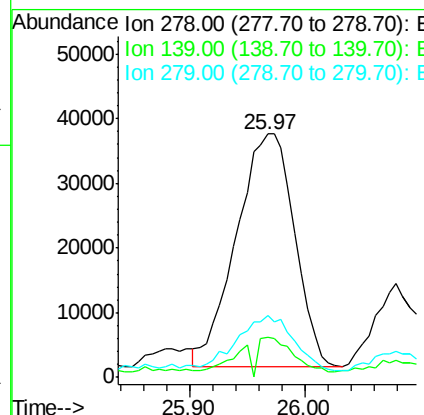
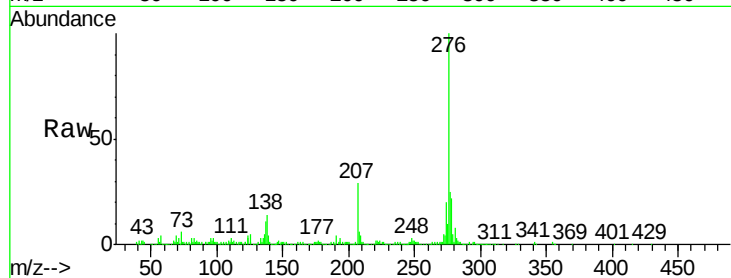
#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.03 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Instrument :
BNA_M
ClientSampleId :
P026-SS001-0206-01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	8.6	13.0#
279	25.2	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 20.904 ng
RT: 26.69 min Scan# 4030
Delta R.T. -0.01 min
Lab File: BM020264.D
Acq: 11 May 2019 06:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	13.2	11.1	16.7

