

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051119\
 Data File : BM020290.D
 Acq On : 12 May 2019 02:57
 Operator : JU/SJ
 Sample : K2703-02DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-3-OW(0-10)DL

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:06:04 PM

Quant Time: May 12 04:41:58 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	49399	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	173946	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	107646	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	251875	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	269779	20.00	ng	-0.02
87) Perylene-d12	23.63	264	338691	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	178274	58.99	ng	-0.02
7) Phenol-d6	6.93	99	233787	56.63	ng	-0.02
23) Nitrobenzene-d5	8.93	82	158517	35.98	ng	-0.02
42) 2,4,6-Tribromophenol	15.90	330	91723	54.90	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	315121	36.02	ng	-0.03
79) Terphenyl-d14	19.79	244	509976	32.97	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	13.87	163	48861	5.341	ng	98
71) Phenanthrene	17.20	178	495178	35.615	ng	99
72) Anthracene	17.29	178	88962	6.400	ng	98
73) Carbazole	17.57	167	46742	3.726	ng	99
75) Fluoranthene	19.22	202	840992	47.806	ng	99
78) Pyrene	19.59	202	739472	40.826	ng	100
81) Benzo(a)anthracene	21.33	228	415444	21.958	ng	98
83) Chrysene	21.39	228	387785	21.134	ng	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	273266	12.521	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	515333	23.042	ng	99
89) Benzo(k)fluoranthene	22.99	252	165082m	8.092	ng	
90) Benzo(a)pyrene	23.54	252	377807	18.597	ng	# 97
91) Dibenzo(a,h)anthracene	25.96	278	66675	3.156	ng	# 86
92) Benzo(a,h,i)perylene	26.67	276	280921	14.006	ng	96

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

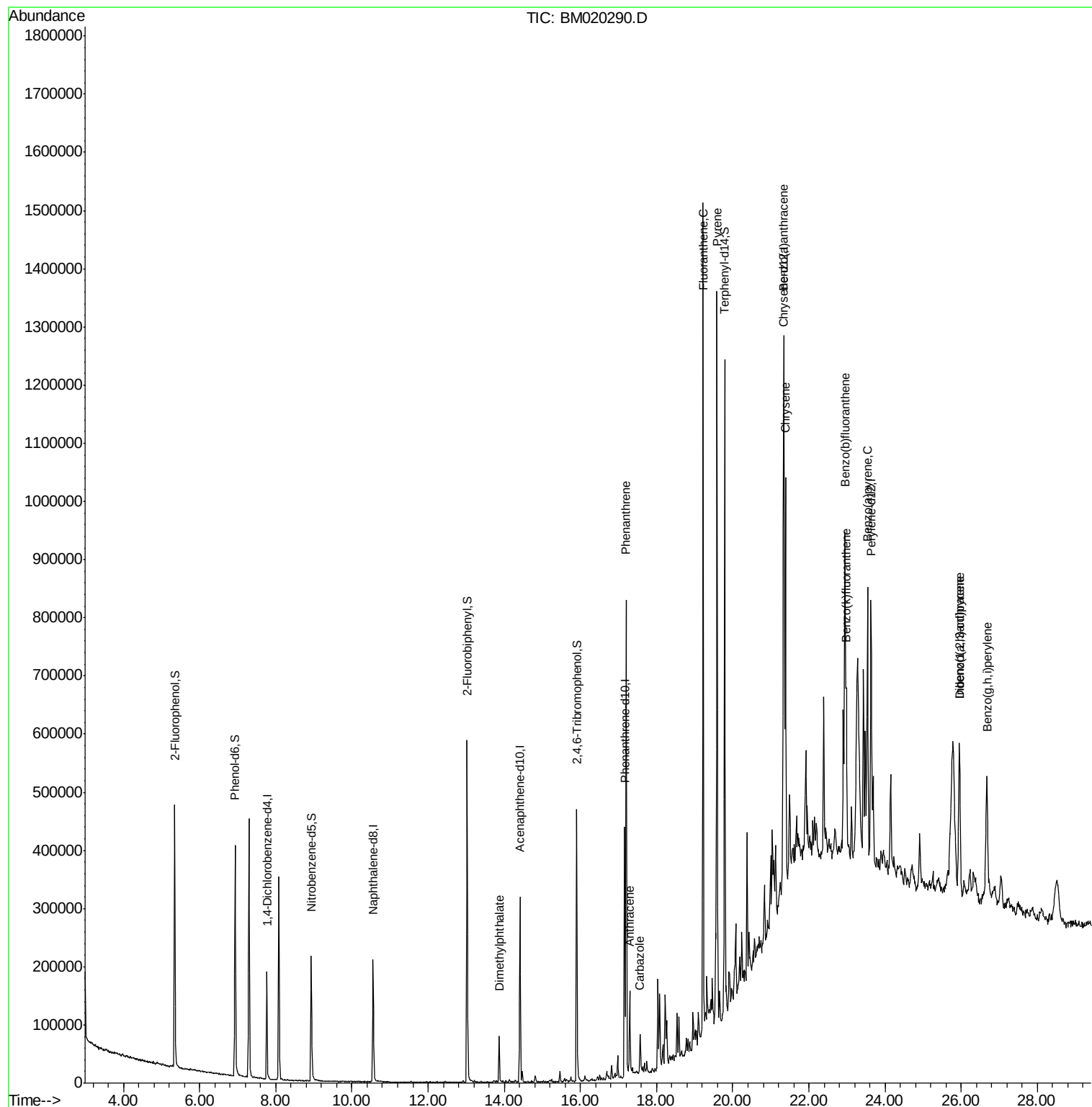
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051119\
Data File : BM020290.D
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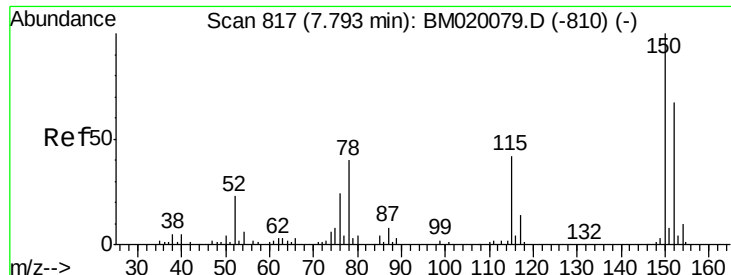
Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

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#1

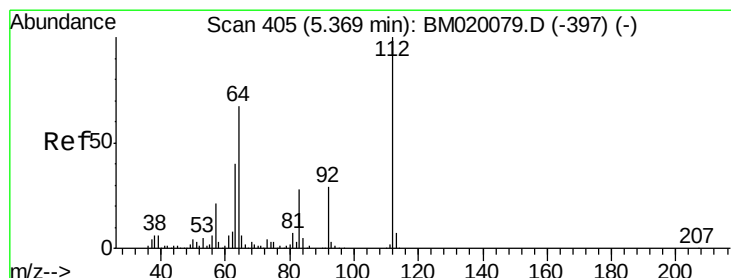
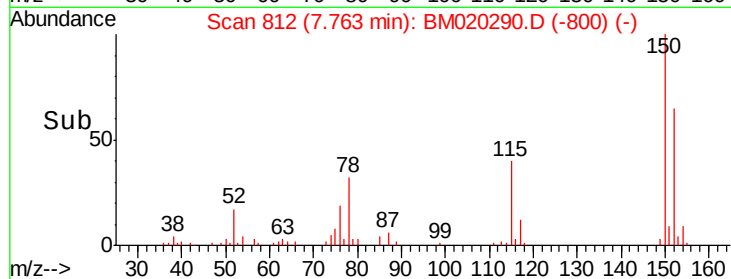
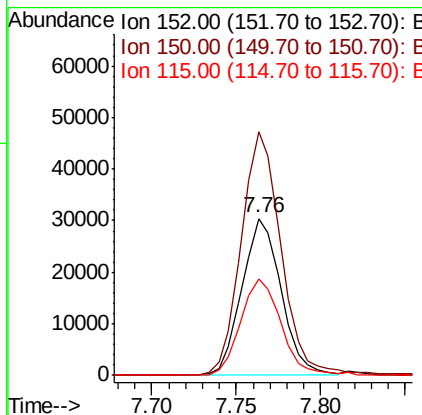
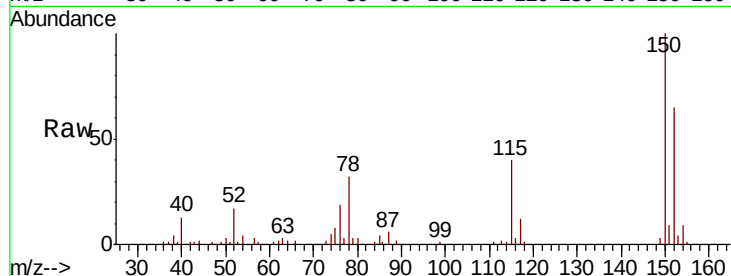
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	119.8	179.8
115	61.6	50.8	76.2

Manual Integrations
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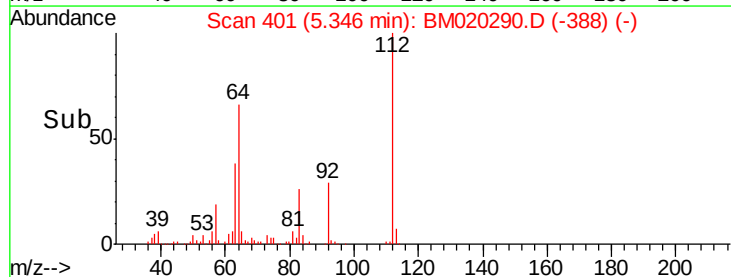
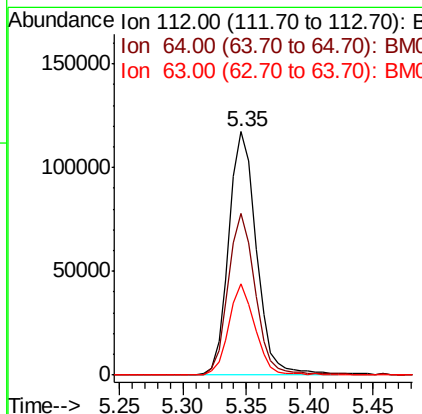
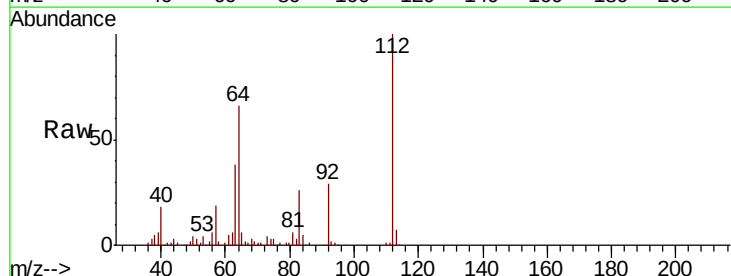
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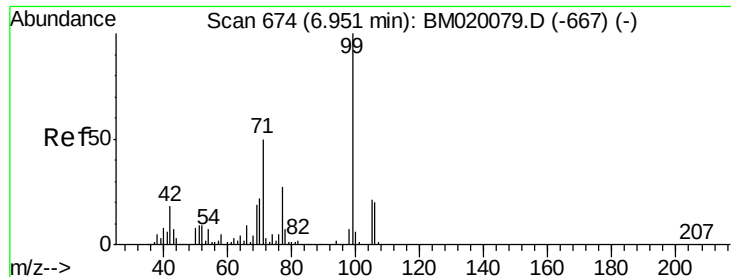


#5

2-Fluorophenol
Concen: 58.990 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.8	80.6
63	37.5	32.3	48.5





#7

Phenol-d6

Concen: 56.626 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

Instrument :

BNA_M

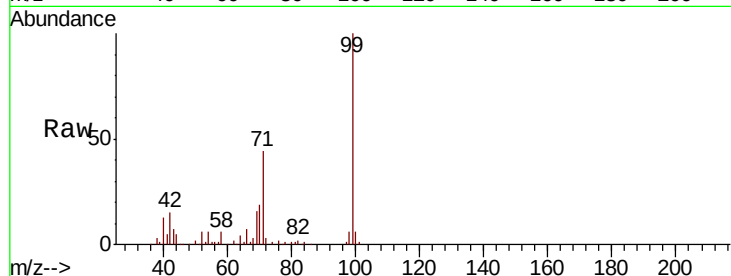
ClientSampled :

P-3-OW(0-10)DL

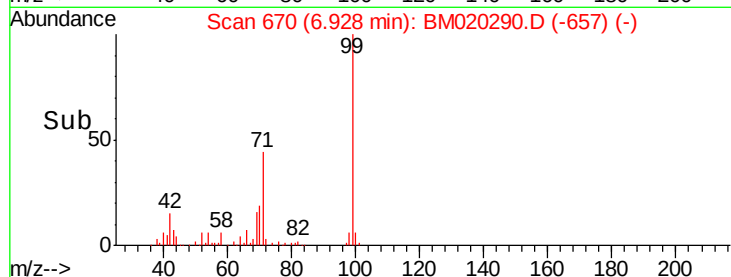
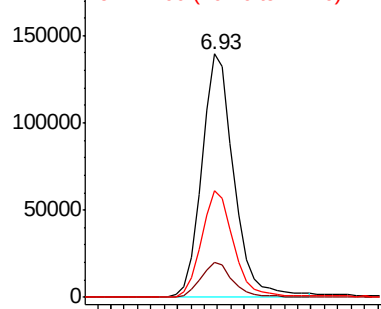
Tot Ion:	99	Resp:	233787
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.2	21.2
71	43.8	40.3	60.5

Manual Integrations
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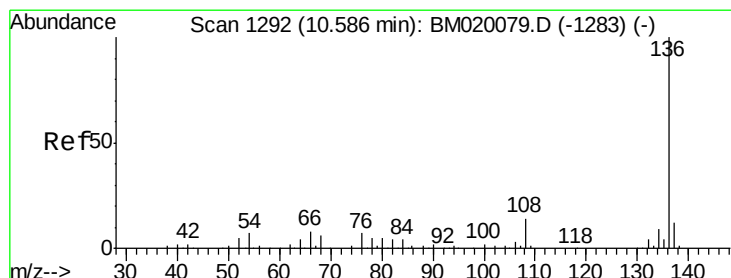
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Abundance Ion 99.00 (98.70 to 99.70): BM020290.D (-667) (-)



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

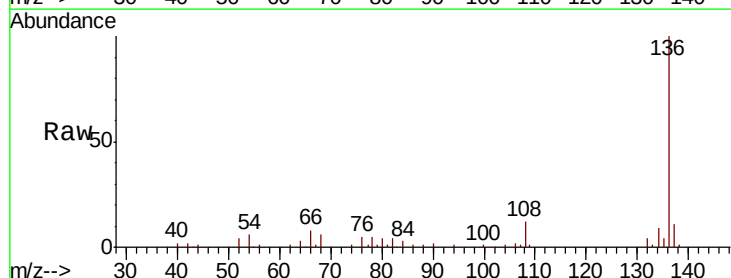
RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

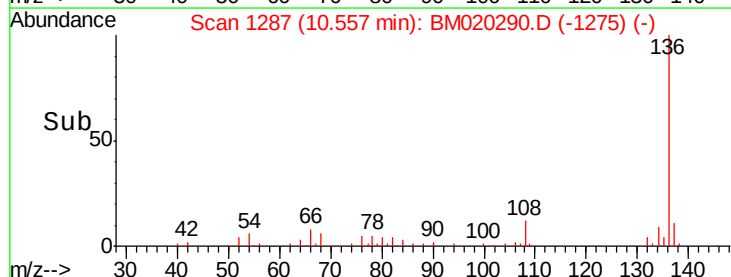
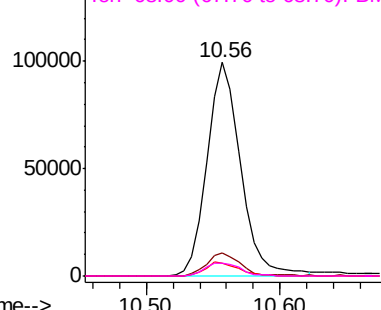
Lab File: BM020290.D

Acq: 12 May 2019 02:57

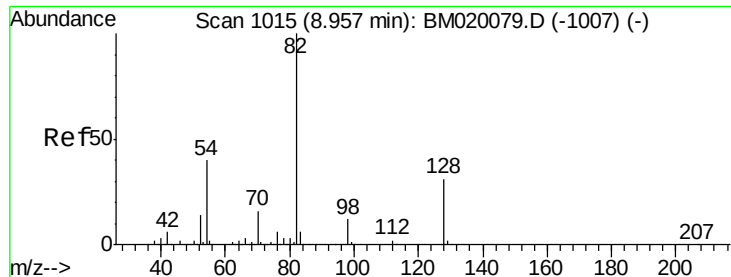
Tgt Ion:	136	Resp:	173946
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.6	14.4
54	6.0	5.5	8.3
68	6.1	4.6	6.8



Abundance Ion 136.00 (135.70 to 136.70): BM020290.D (-1283) (-)



Time-->



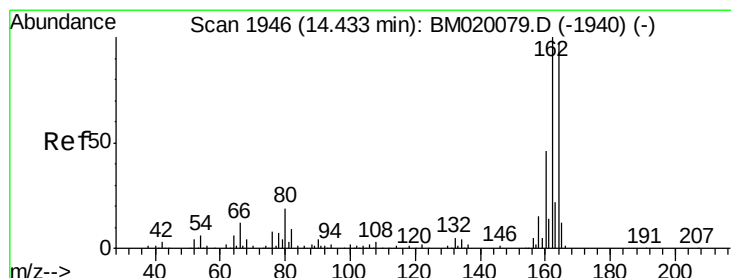
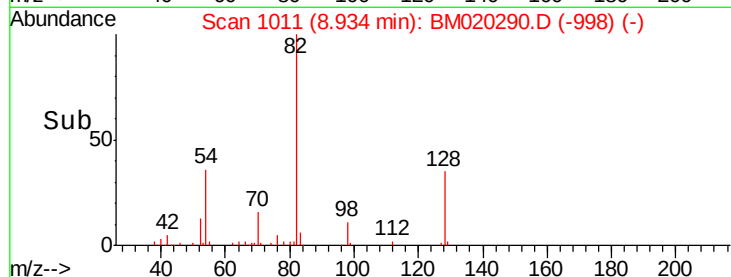
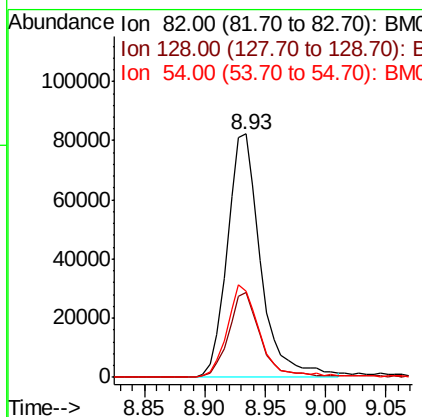
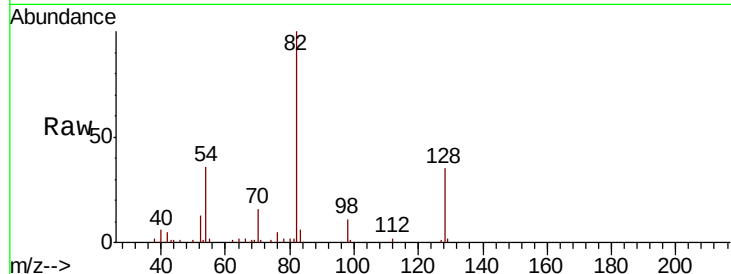
#23
 Nitrobenzene-d5
 Concen: 35.978 ng
 RT: 8.93 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Instrument :
 BNA_M
 ClientSampleId :
 P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.0	25.2	37.8
54	35.6	31.9	47.9

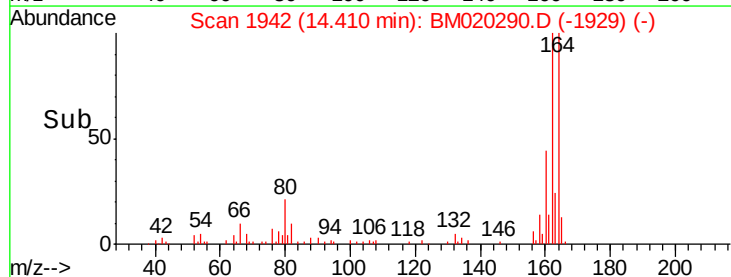
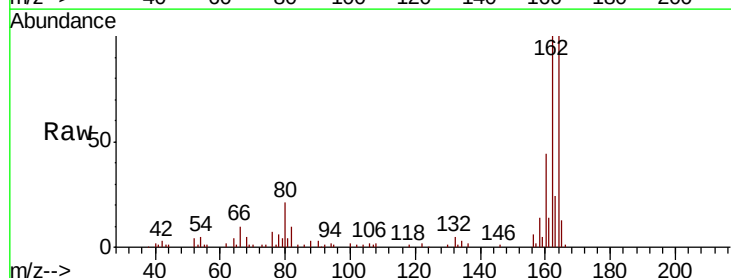
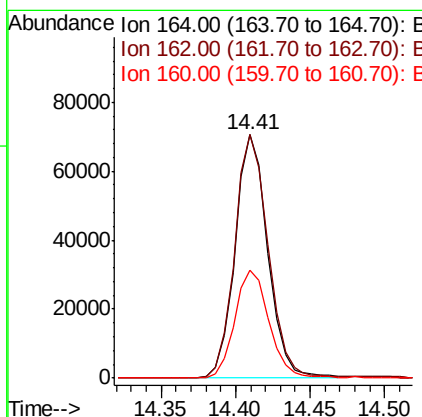
Manual Integrations
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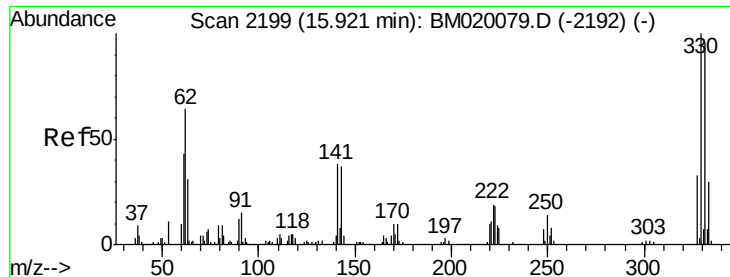
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.41 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.2	123.2
160	44.4	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 54.895 ng

RT: 15.90 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

Instrument :

BNA_M

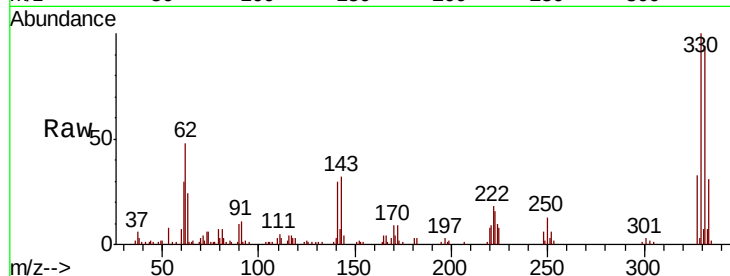
ClientSampleId :

P-3-OW(0-10)DL

Tot Ion:	330	Resp:	91723
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.8	115.2
141	32.7	29.2	43.8

Manual Integrations
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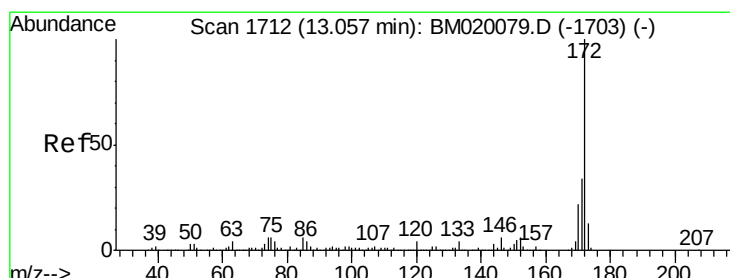
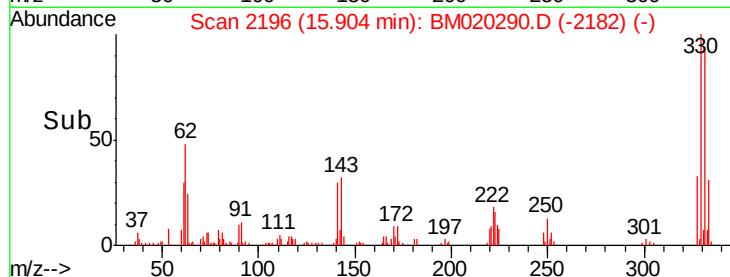
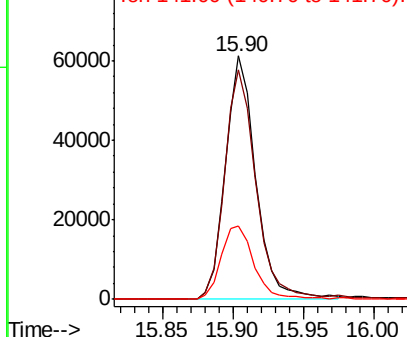


Abundance

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: 36.017 ng

RT: 13.03 min Scan# 1707

Delta R.T. -0.03 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

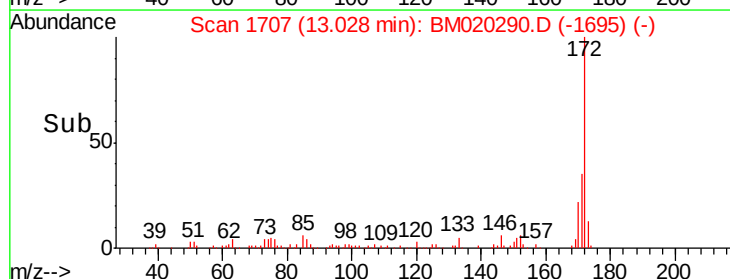
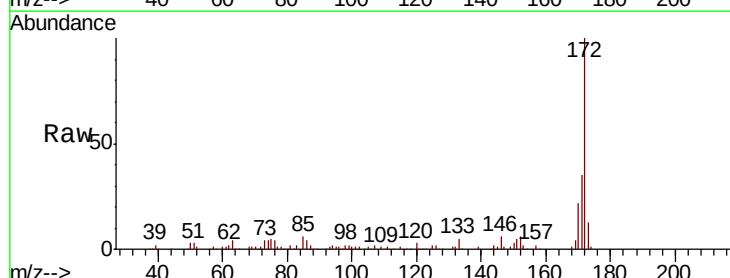
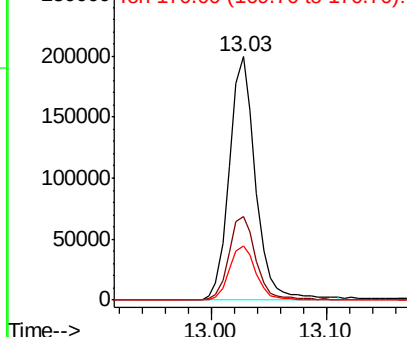
Tgt Ion:	172	Resp:	315121
Ion Ratio	Lower	Upper	
172	100		
171	34.6	27.3	40.9
170	22.5	17.9	26.9

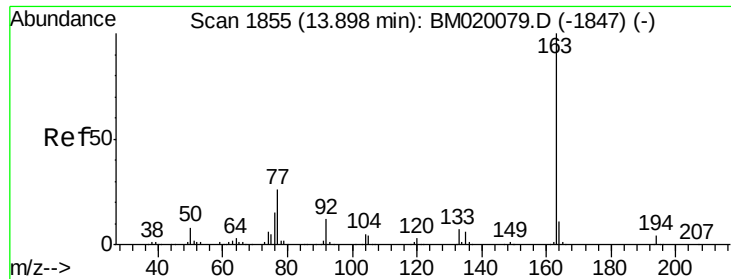
Abundance

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





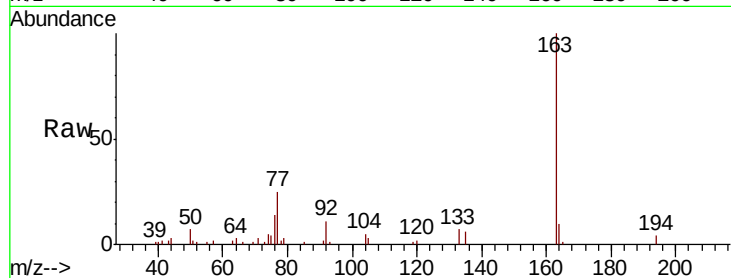
#50
Dimethylphthalate
Concen: 5.341 ng
RT: 13.87 min Scan# 1850
Delta R.T. -0.03 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

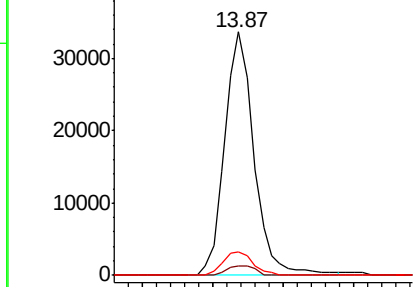
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.6	5.4
164	9.6	8.4	12.6

Manual Integrations
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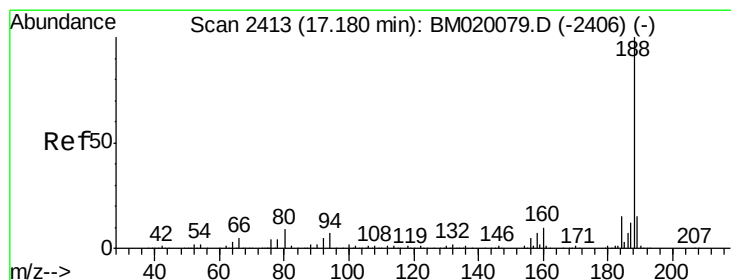
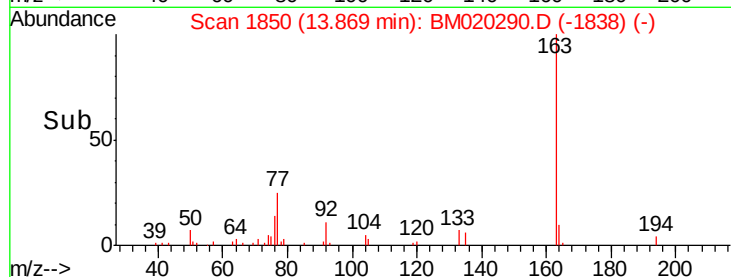
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

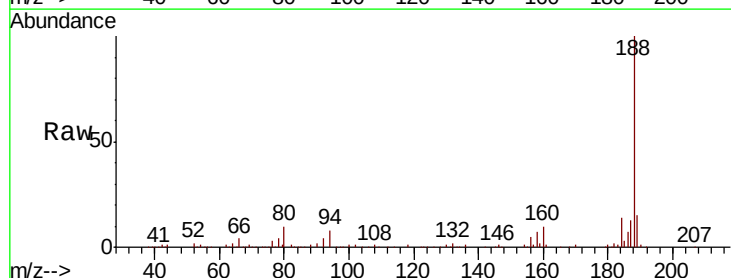


Time-->

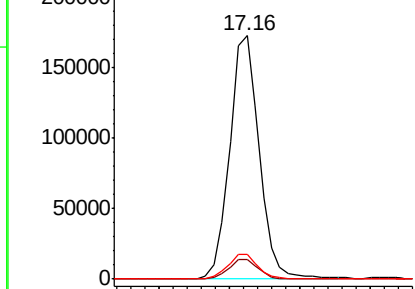


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2410
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

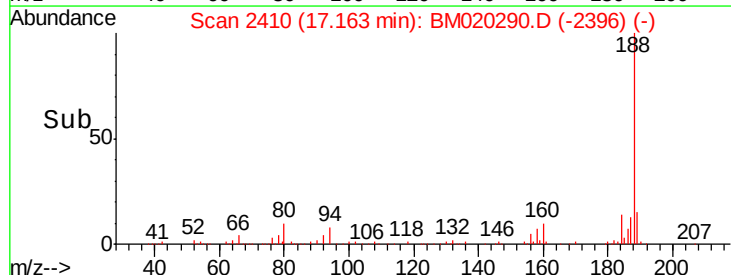
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.8	8.6
80	10.1	7.4	11.2

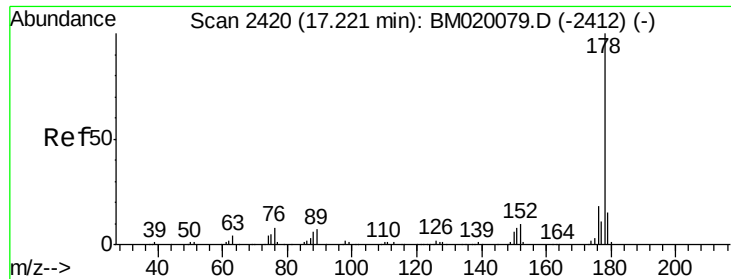


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0



Time-->





#71

Phenanthrene

Concen: 35.615 ng

RT: 17.20 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

Instrument :

BNA_M

ClientSampleId :

P-3-OW(0-10)DL

Tot Ion:178 Resp: 495178

Ion Ratio Lower Upper

178 100

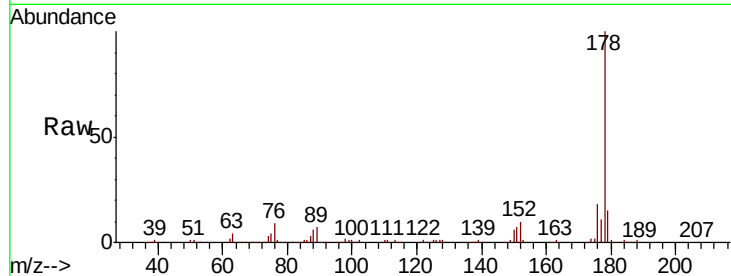
176 18.4 14.6 21.8

179 14.9 12.4 18.6

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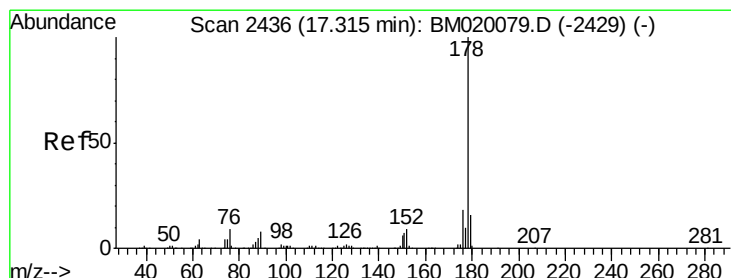
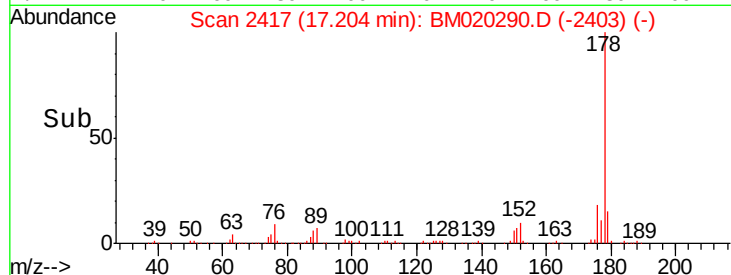
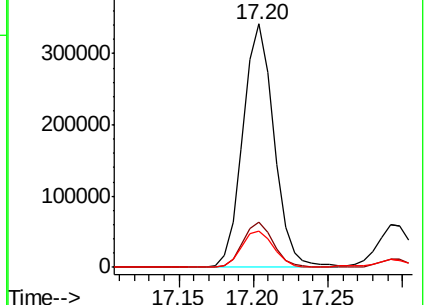
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.400 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.02 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

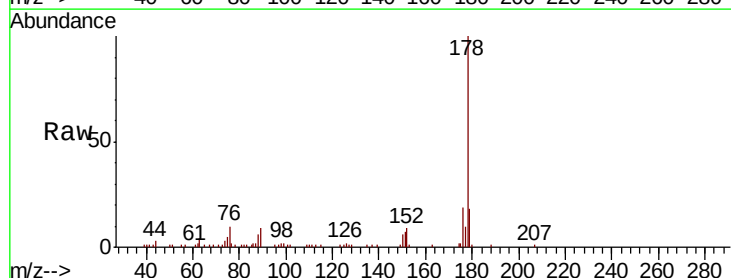
Tgt Ion:178 Resp: 88962

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

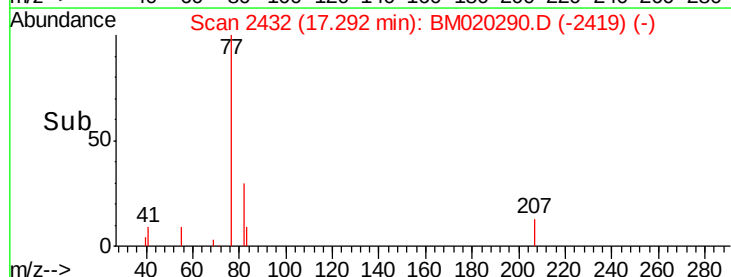
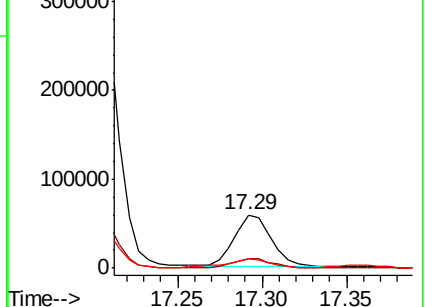
179 17.5 12.4 18.6

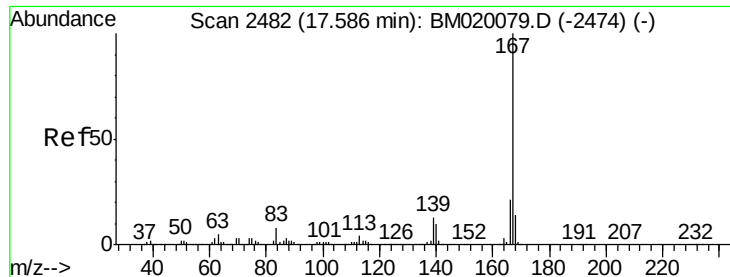


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 3.726 ng

RT: 17.57 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BM020290.D

Acq: 12 May 2019 02:57

Instrument :

BNA_M

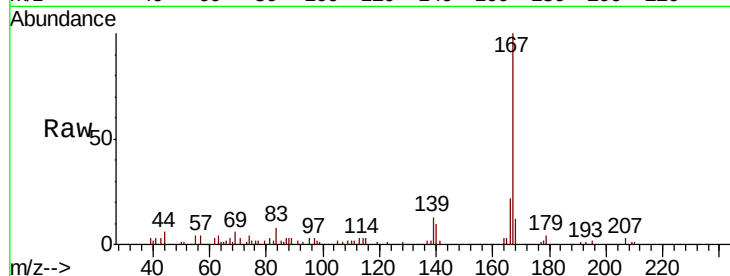
ClientSampleId :

P-3-OW(0-10)DL

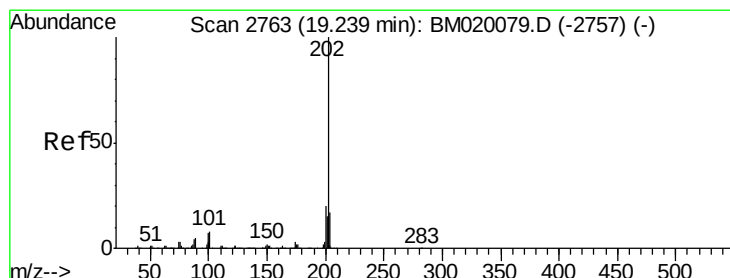
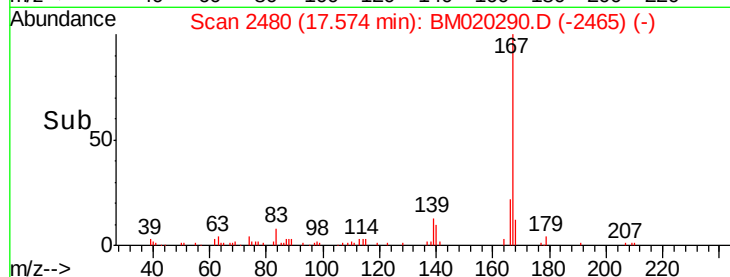
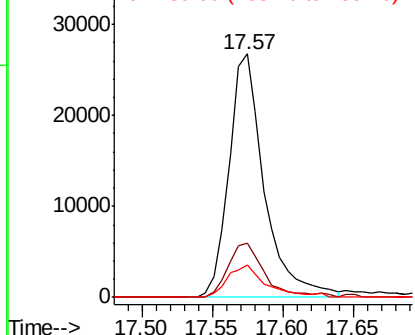
Tot Ion:	167	Resp:	46742
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.0	25.6
139	13.4	10.6	16.0

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 47.806 ng

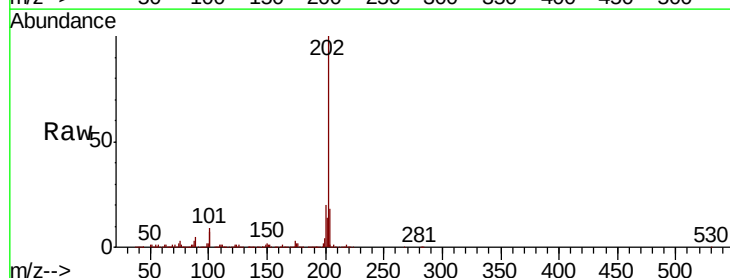
RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

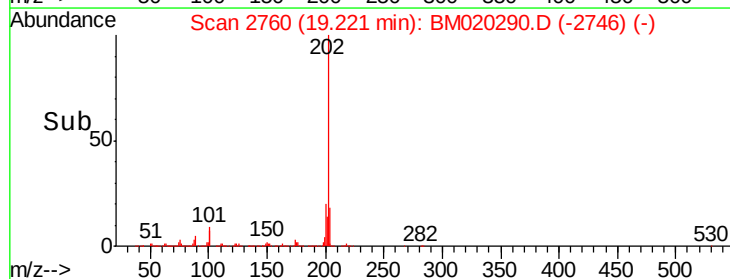
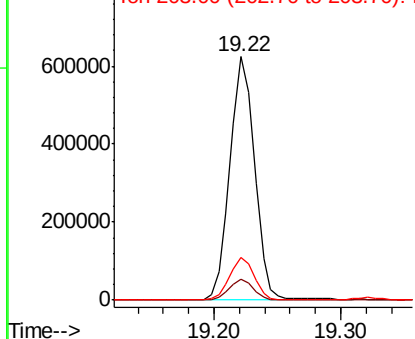
Lab File: BM020290.D

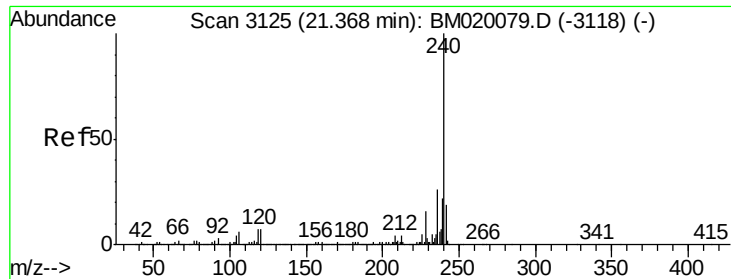
Acq: 12 May 2019 02:57

Tgt Ion:	202	Resp:	840992
Ion Ratio	Lower	Upper	
202	100		
101	8.8	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





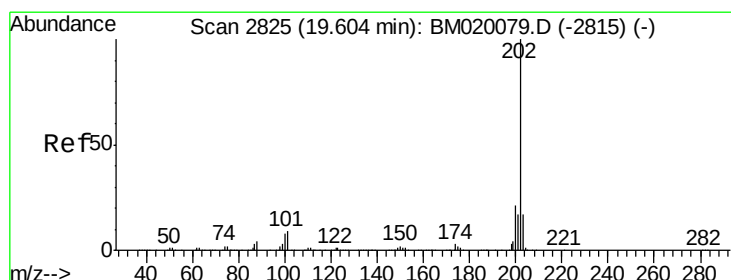
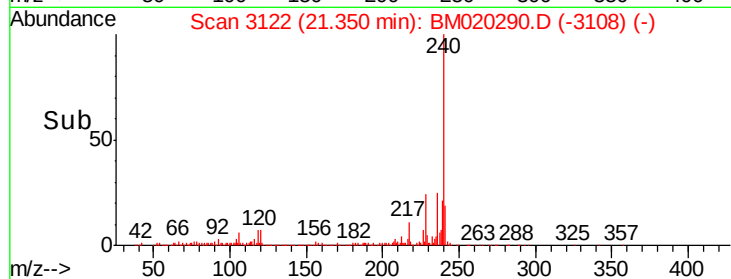
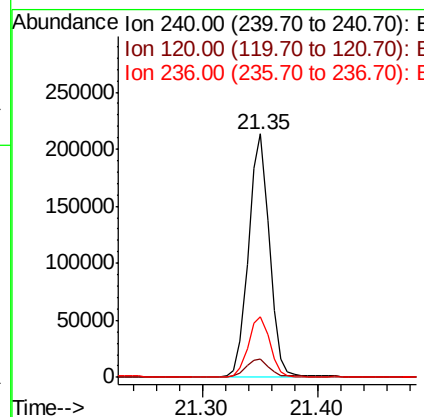
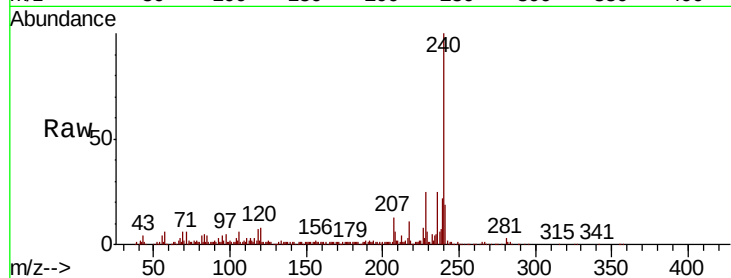
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.6	8.4
236	25.0	20.9	31.3

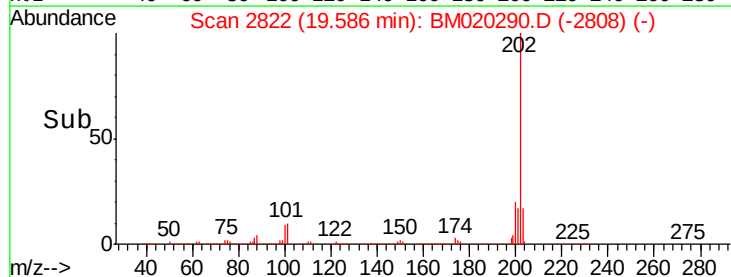
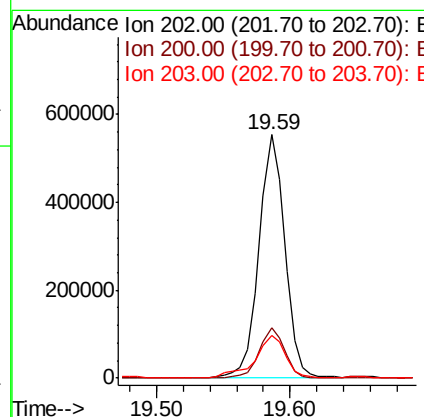
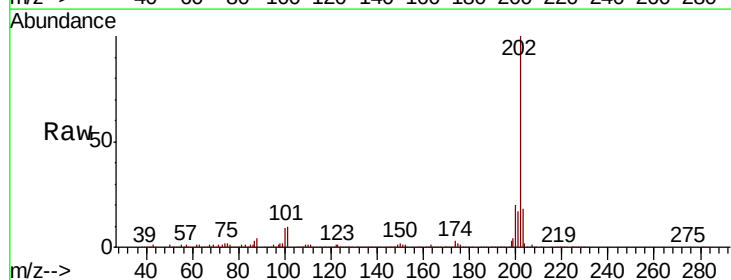
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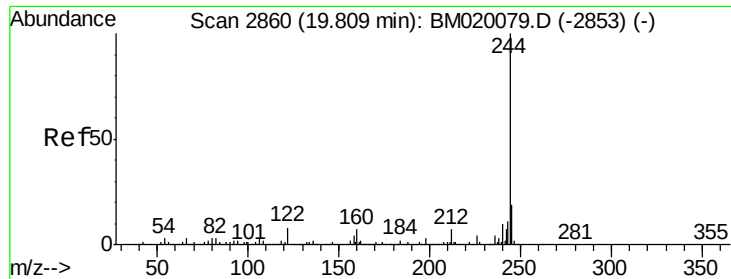
Sohil
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#78
Pyrene
Concen: 40.826 ng
RT: 19.59 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.6	13.9	20.9





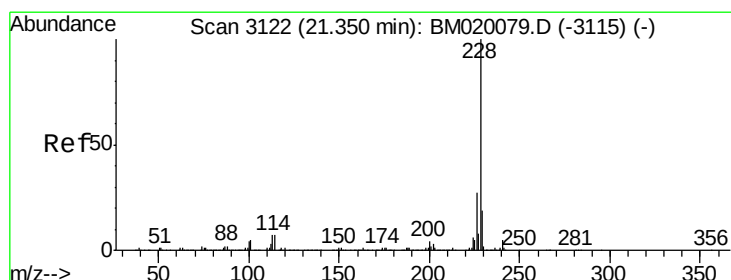
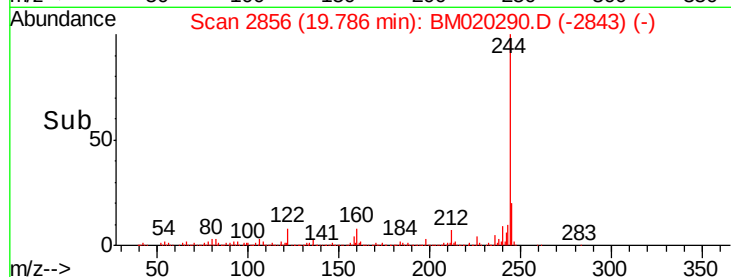
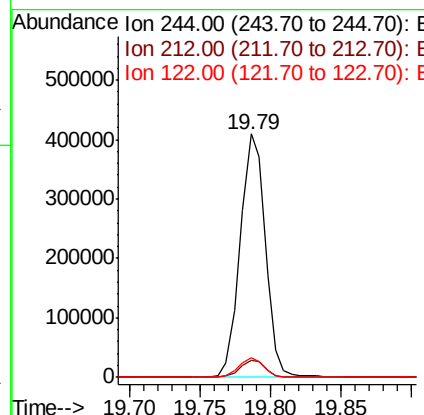
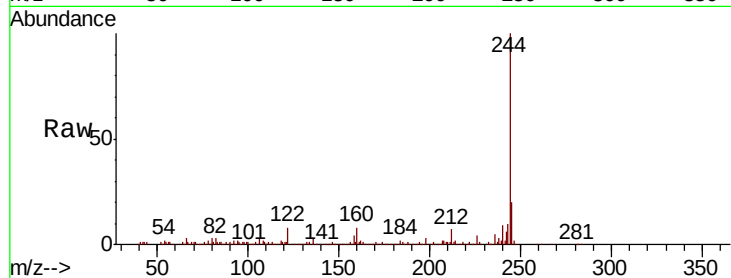
#79
 Terphenyl-d14
 Concen: 32.972 ng
 RT: 19.79 min Scan# 2856
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Instrument :
 BNA_M
 ClientSampleID :
 P-3-OW(0-10)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.3		5.7	8.5	
122	7.8		6.2	9.2	

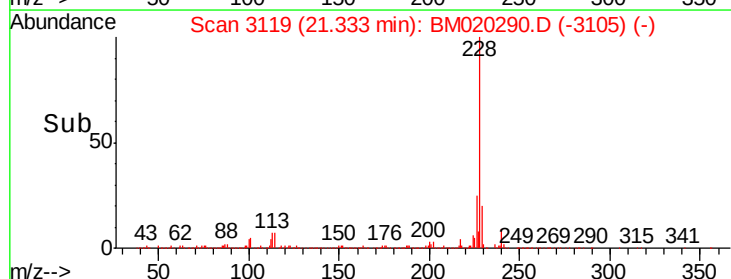
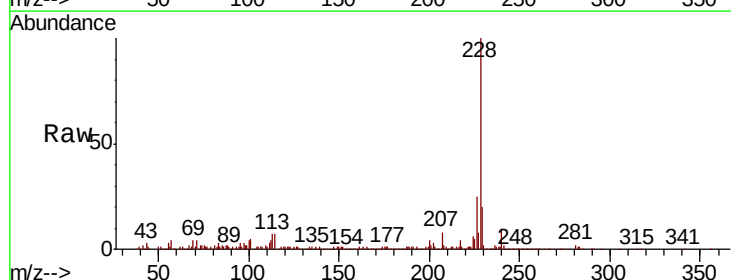
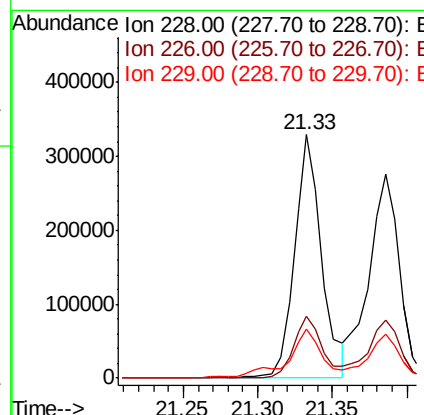
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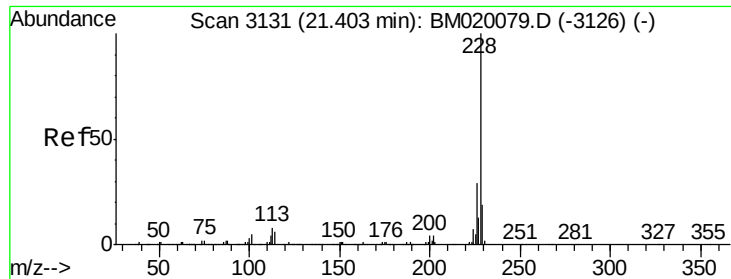
Sohil
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#81
 Benzo(a)anthracene
 Concen: 21.958 ng
 RT: 21.33 min Scan# 3119
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	25.3		21.3	31.9	
229	20.0		15.5	23.3	





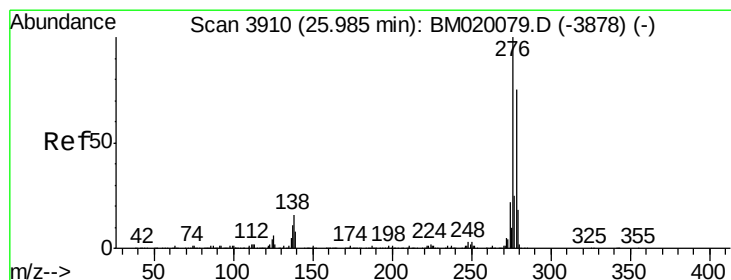
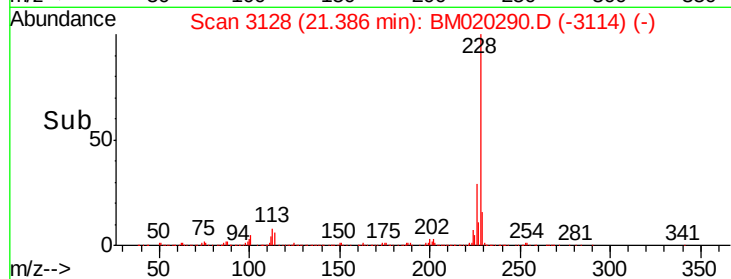
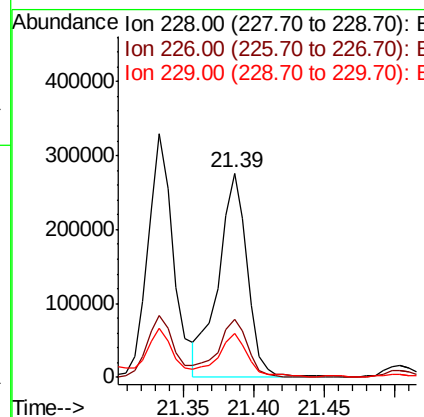
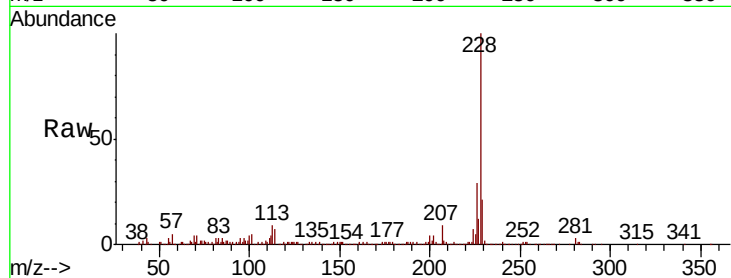
#83
Chrysene
Concen: 21.134 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	21.4	15.5	23.3

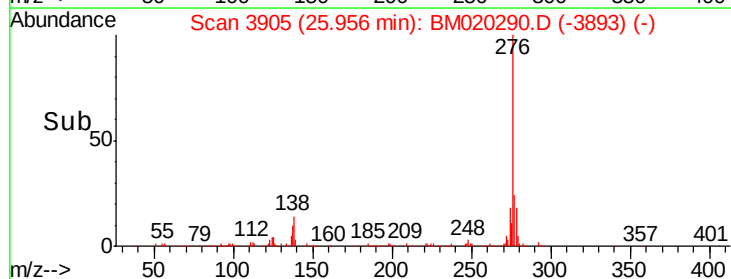
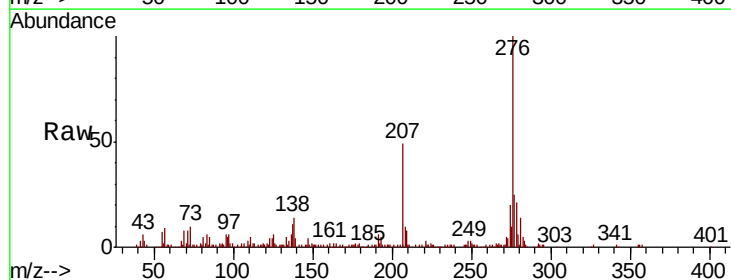
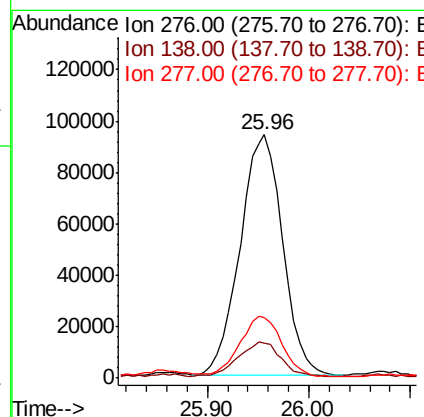
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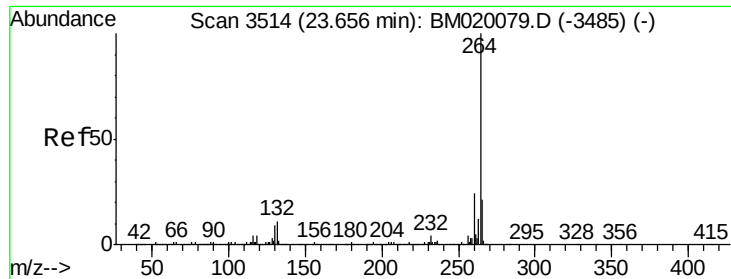
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.521 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.03 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	0.0	0.0#
277	24.8	0.0	0.0#





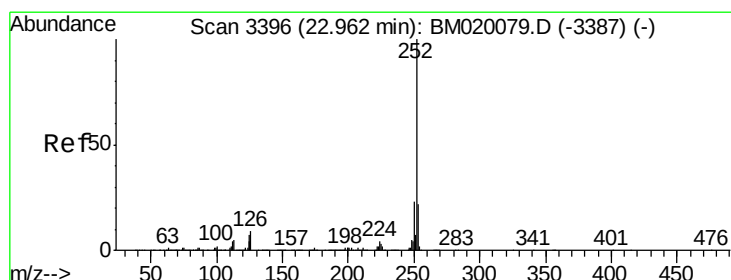
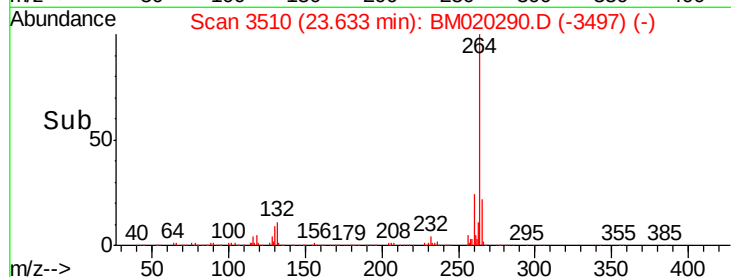
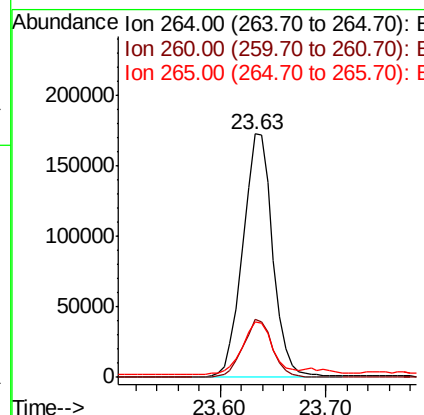
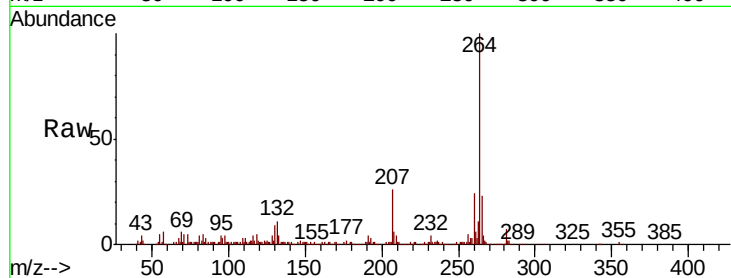
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Instrument :
 BNA_M
 ClientSampleId :
 P-3-OW(0-10)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.8	19.2	28.8		
265	22.7	16.9	25.3		

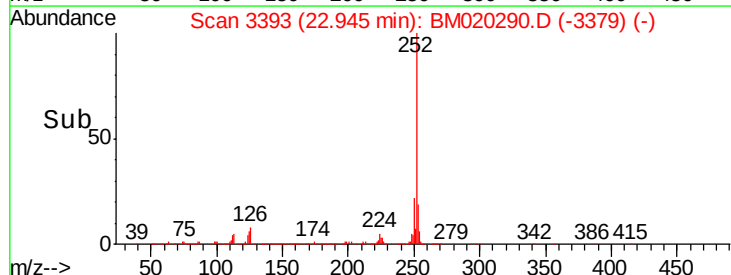
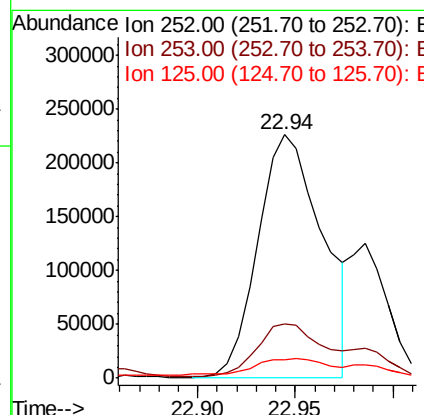
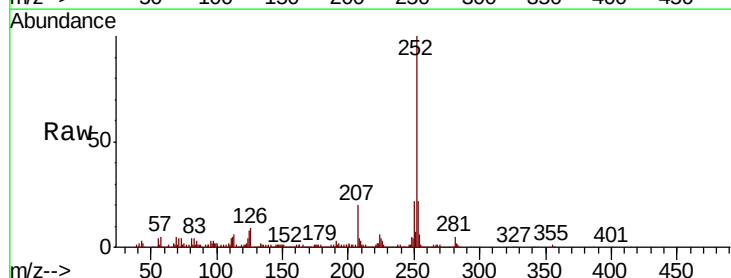
Manual Integrations
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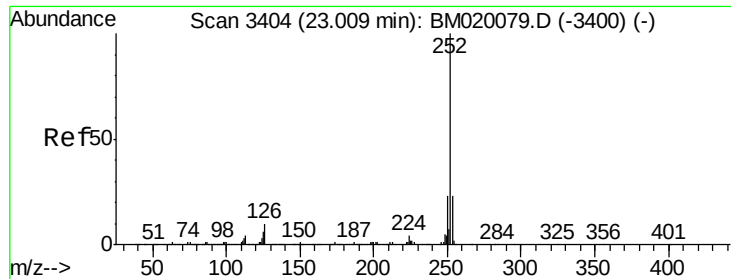
Sohil
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#88
 Benzo(b)fluoranthene
 Concen: 23.042 ng
 RT: 22.94 min Scan# 3393
 Delta R.T. -0.02 min
 Lab File: BM020290.D
 Acq: 12 May 2019 02:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.4	17.5	26.3		
125	7.6	5.4	8.2		





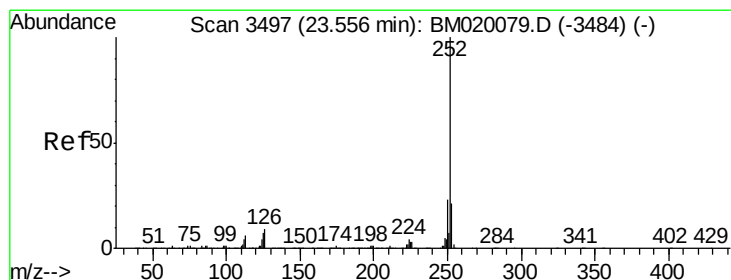
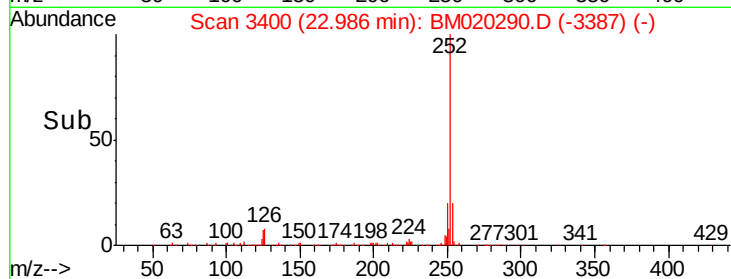
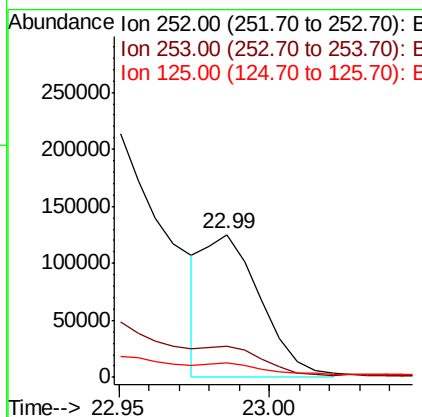
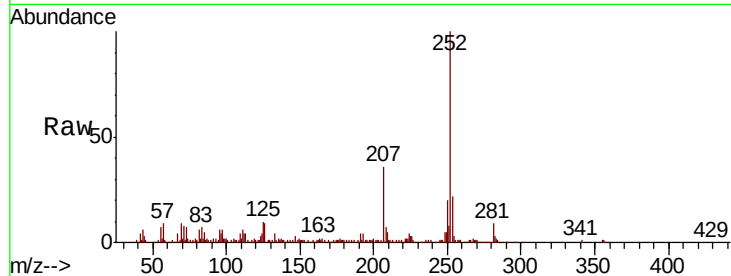
#89
Benzo(k)fluoranthene
Concen: 8.092 ng m
RT: 22.99 min Scan# 3400
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.7	5.4	8.0#

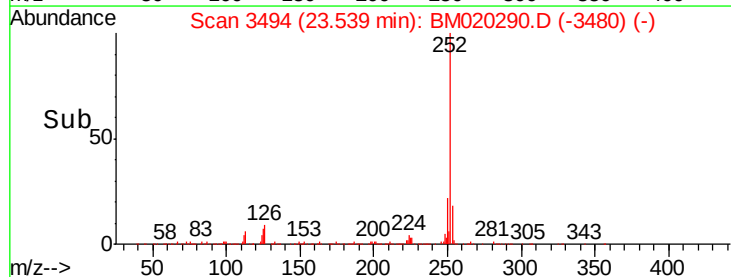
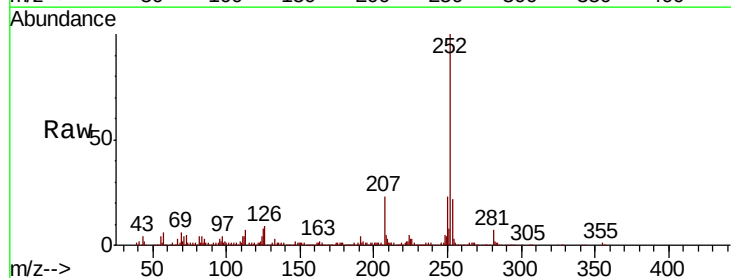
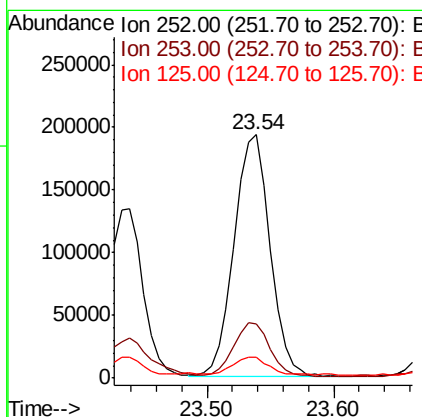
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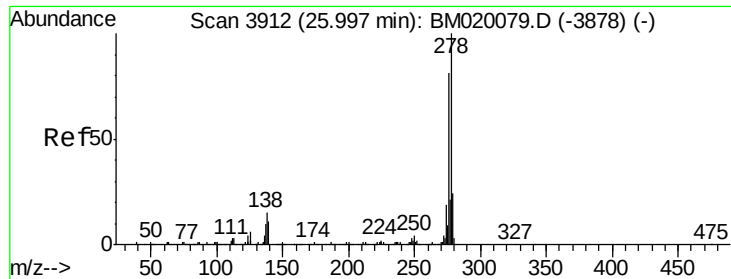
Sohil
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#90
Benzo(a)pyrene
Concen: 18.597 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	8.4	5.5	8.3#





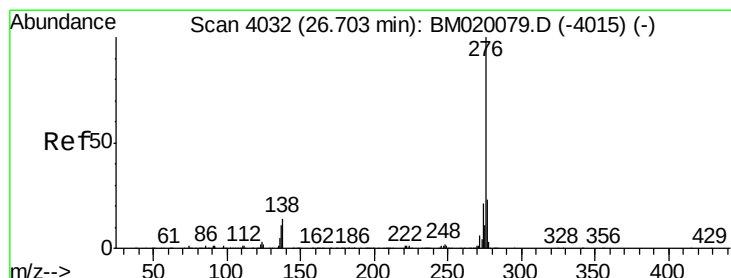
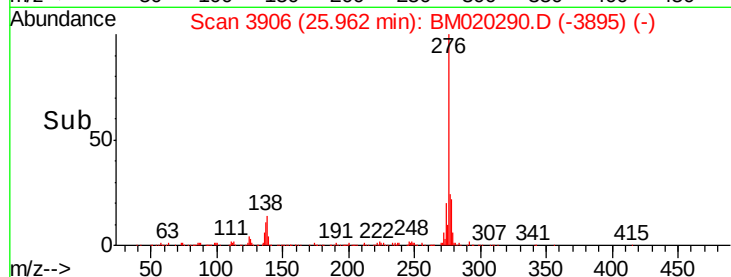
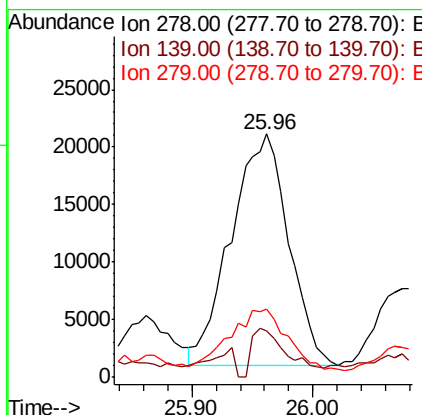
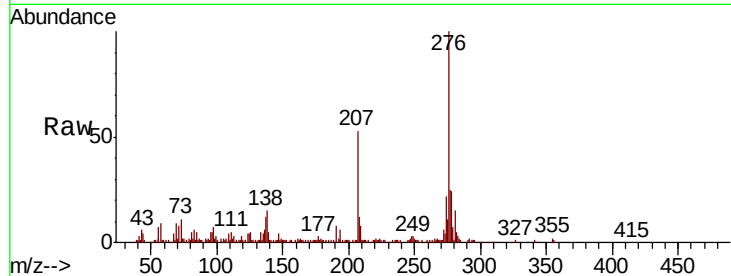
#91
Dibenzo(a,h)anthracene
Concen: 3.156 ng
RT: 25.96 min Scan# 3906
Delta R.T. -0.04 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	8.6	13.0#
279	28.2	18.8	28.2

Manual Integrations
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5/14/2019 8:06:04 PM



#92
Benzo(g,h,i)perylene
Concen: 14.006 ng
RT: 26.67 min Scan# 4026
Delta R.T. -0.04 min
Lab File: BM020290.D
Acq: 12 May 2019 02:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	15.2	11.1	16.7

