

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020185.D
 Acq On : 08 May 2019 03:23
 Operator : JU/SJ
 Sample : K2704-06 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(25-25.5)

Manual Integrations
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Sohil
 5/9/2019 6:44:37 PM

Quant Time: May 08 06:59:44 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	7.79	152	135572	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	503727	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	312248	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	750249	20.00	ng	0.00
76) Chrysene-d12	21.37	240	884084	20.00	ng	0.00
87) Perylene-d12	23.68	264	1037267	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	54879	6.62	ng	0.00
7) Phenol-d6	6.96	99	74448	6.57	ng	0.01
23) Nitrobenzene-d5	8.96	82	55310	4.33	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	33905	7.00	ng	0.01
45) 2-Fluorobiphenyl	13.05	172	116397	4.59	ng	0.00
79) Terphenyl-d14	19.81	244	210643	4.16	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	12.47	142	333682	17.906	ng	Qvalue 100
52) Acenaphthene	14.50	154	138801	7.370	ng	97
58) Fluorene	15.49	166	251063	9.623	ng	# 96
71) Phenanthrene	17.23	178	1894365	45.742	ng	99
72) Anthracene	17.32	178	441964	10.674	ng	96
73) Carbazole	17.60	167	97943	2.621	ng	# 63
75) Fluoranthene	19.25	202	2100567	40.087	ng	98
78) Pyrene	19.62	202	2010450	33.871	ng	96
81) Benzo(a)anthracene	21.36	228	968821	15.626	ng	# 85
83) Chrysene	21.41	228	1091221	18.148	ng	# 87
86) Indeno(1,2,3-cd)pyrene	26.03	276	285855m	3.997	ng	
88) Benzo(b)fluoranthene	22.99	252	876280m	12.793	ng	
89) Benzo(k)fluoranthene	23.02	252	365675m	5.853	ng	
90) Benzo(a)pyrene	23.58	252	682208	10.965	ng	# 77
92) Benzo(a,h,i)perylene	26.75	276	257001m	4.184	ng	

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

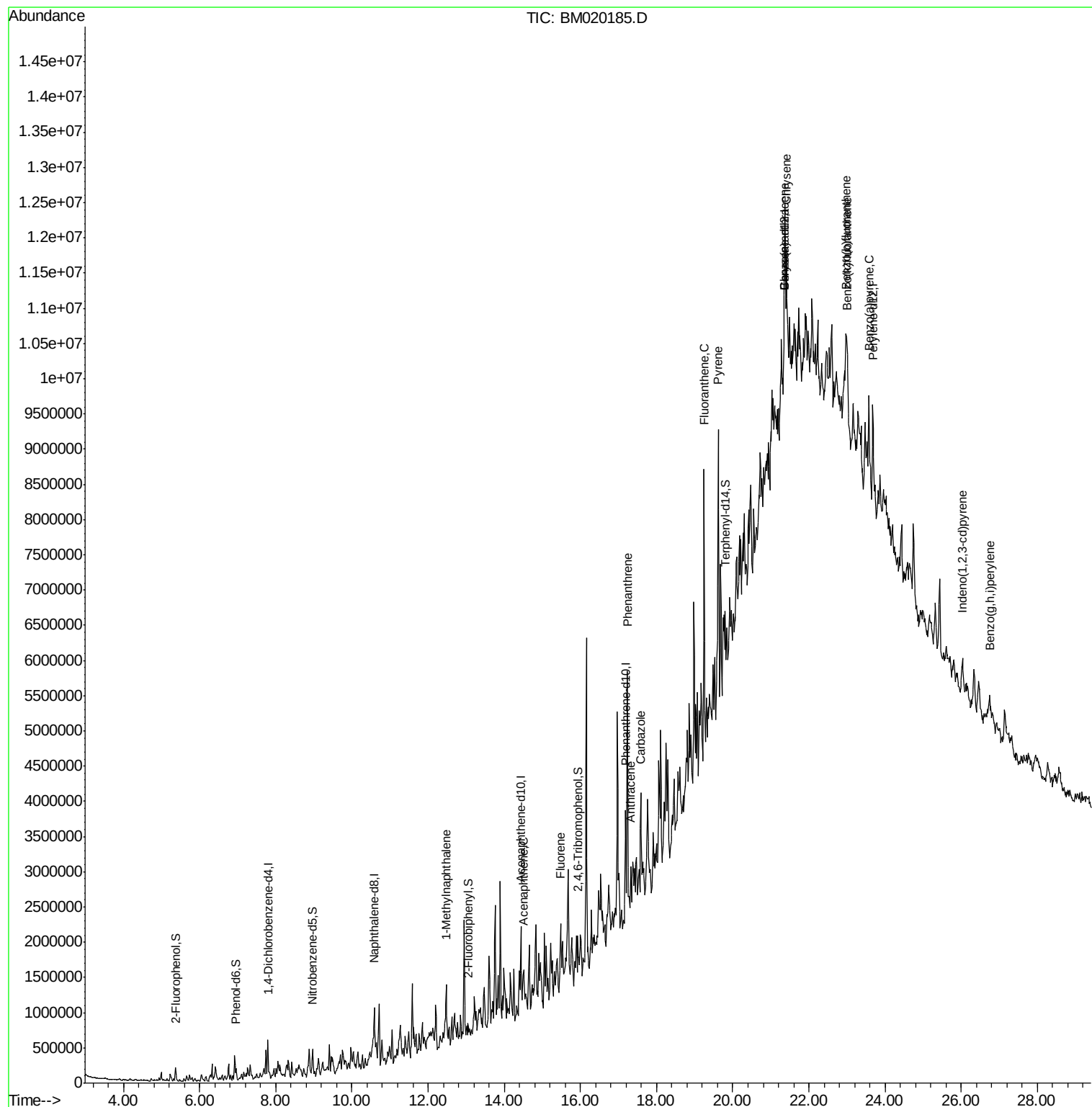
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020185.D
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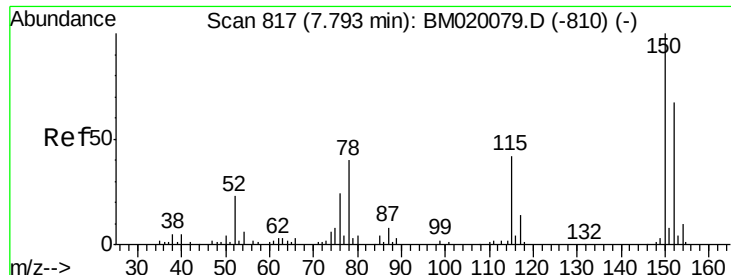
Instrument :
BNA_M
ClientSampled :
SB-1(25-25.5)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

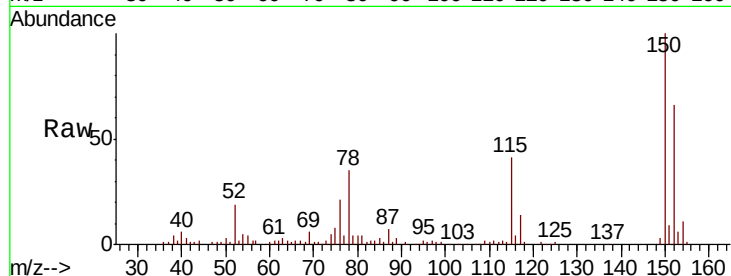
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampleId :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	119.8	179.8
115	62.7	50.8	76.2

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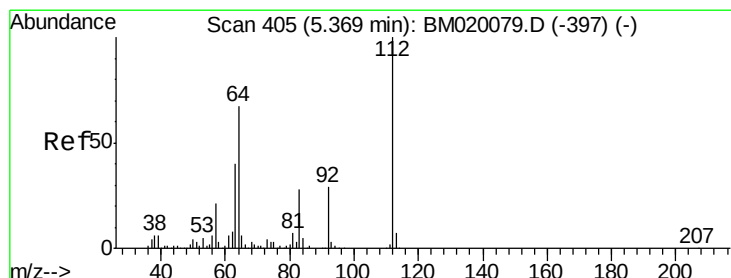
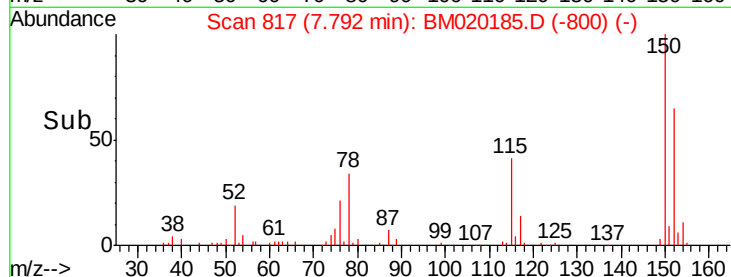
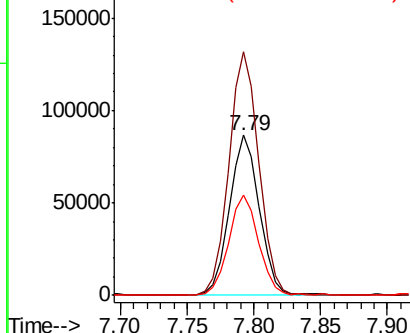


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

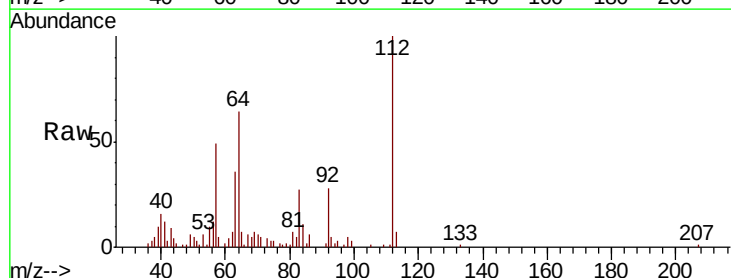
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.617 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	53.8	80.6
63	36.1	32.3	48.5

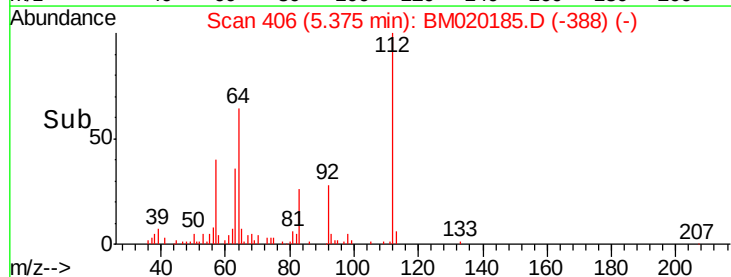
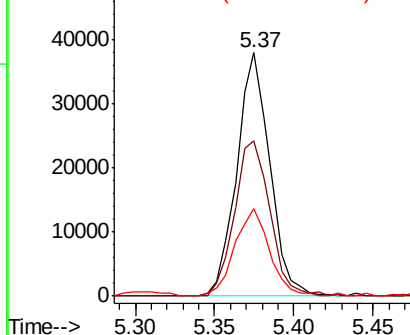


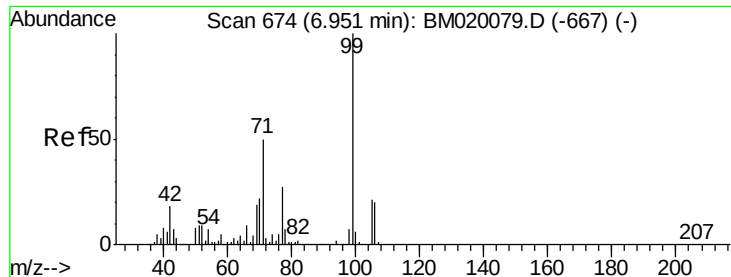
Abundance

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





#7

Phenol-d6

Concen: 6.570 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

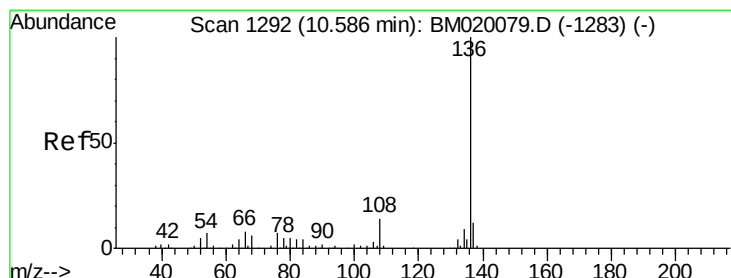
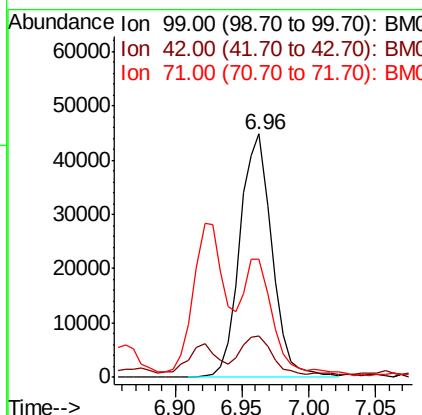
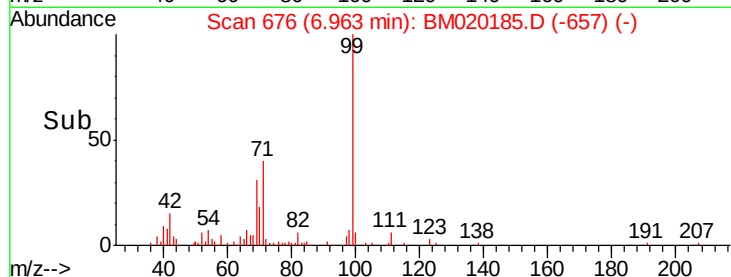
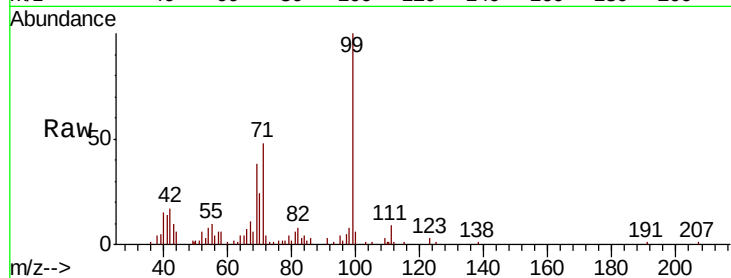
ClientSampleId :

SB-1(25-25.5)

Tot Ion:	99	Resp:	74448
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.2	21.2
71	48.3	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

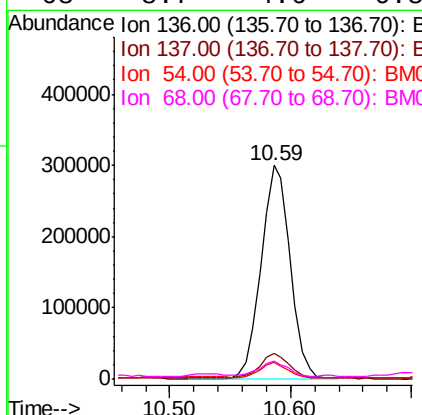
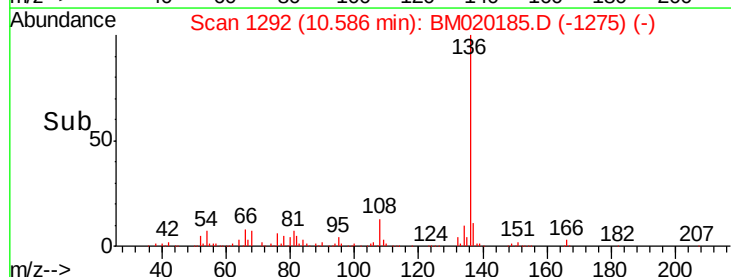
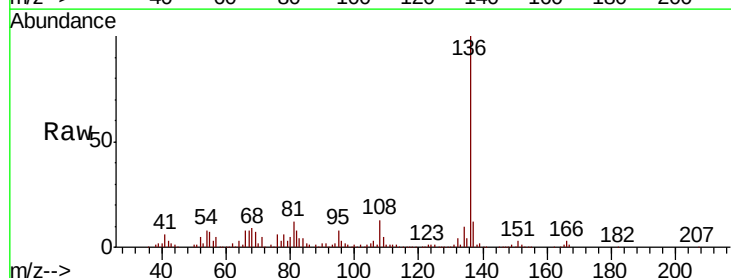
RT: 10.59 min Scan# 1292

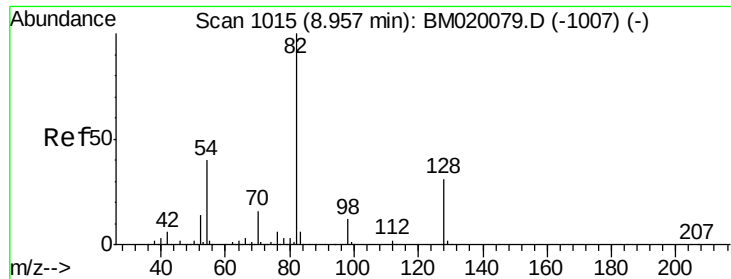
Delta R.T. -0.00 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Tgt Ion:	136	Resp:	503727
Ion Ratio	Lower	Upper	
136	100		
137	12.0	9.6	14.4
54	7.6	5.5	8.3
68	8.7	4.6	6.8#





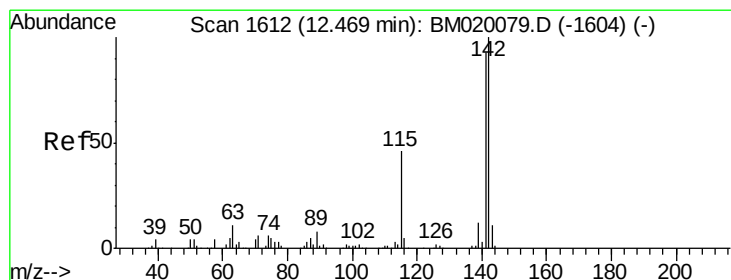
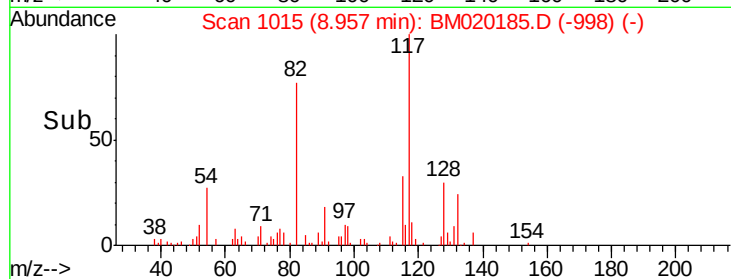
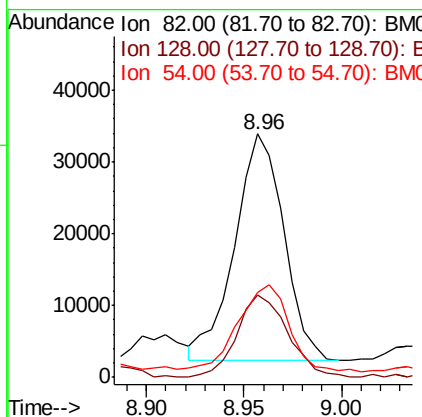
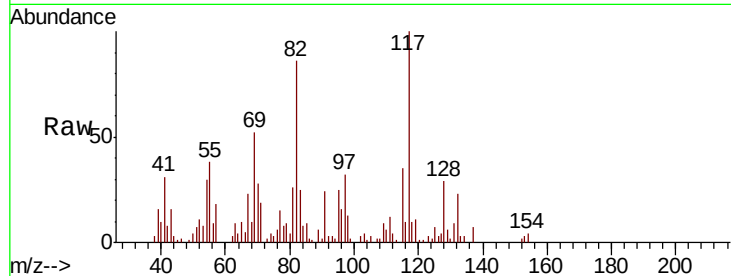
#23
Nitrobenzene-d5
Concen: 4.335 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampleId :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.0	25.2	37.8
54	34.8	31.9	47.9

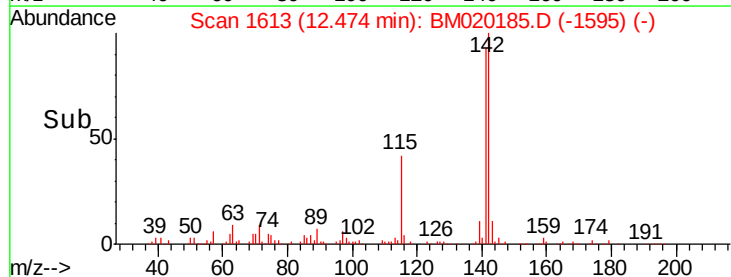
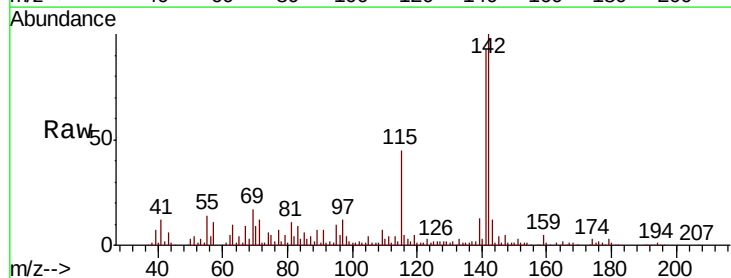
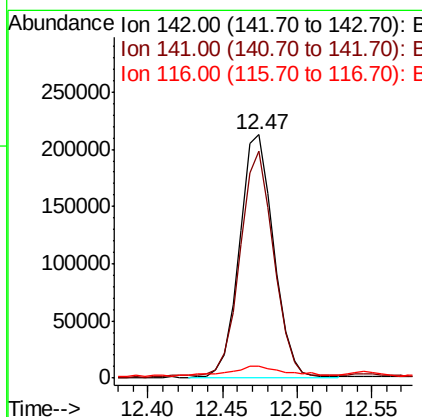
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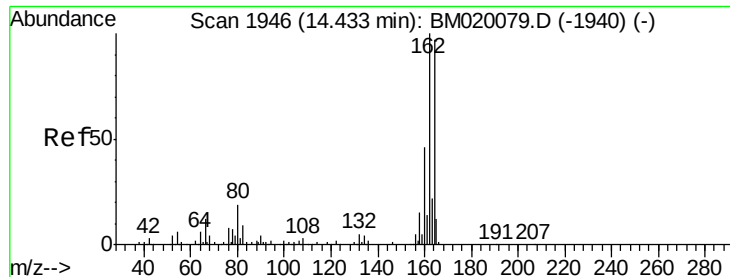
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#38
1-Methylnaphthalene
Concen: 17.906 ng
RT: 12.47 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.8	112.2
116	5.1	3.9	5.9





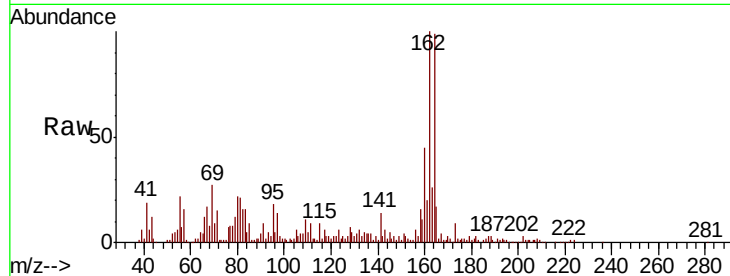
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampleId :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	45.1	37.6	56.4

Manual Integrations
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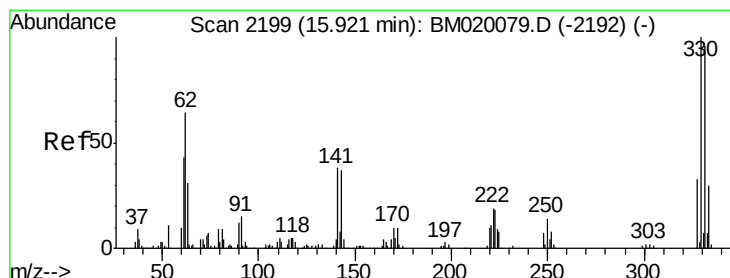
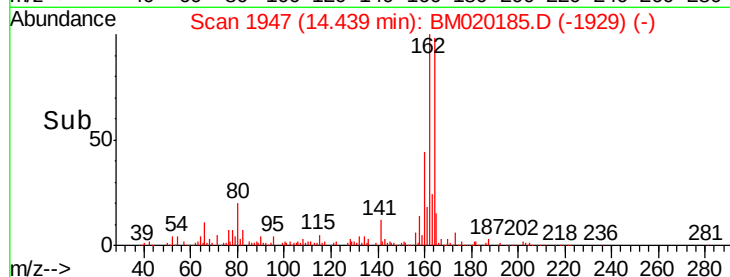
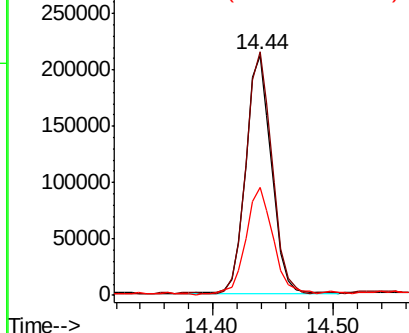


Abundance

Ion 164.00 (163.70 to 164.70): E

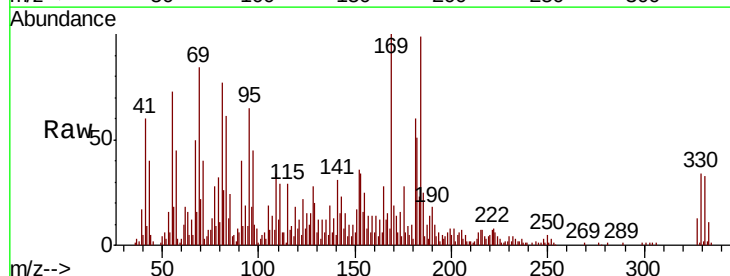
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 6.996 ng
RT: 15.93 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.8	115.2
141	43.6	29.2	43.8

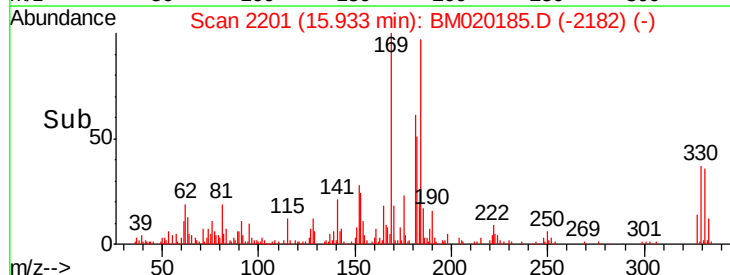
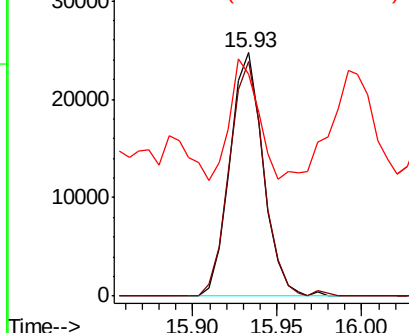


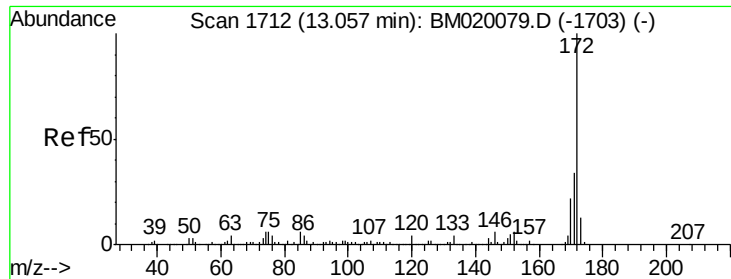
Abundance

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





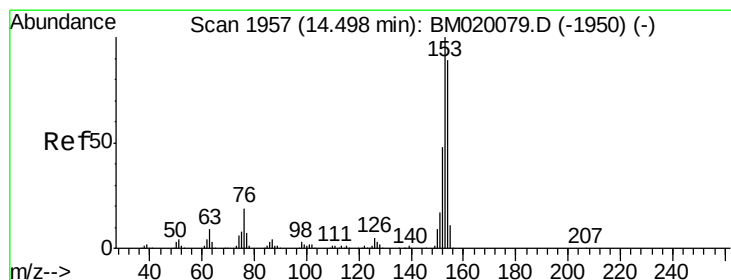
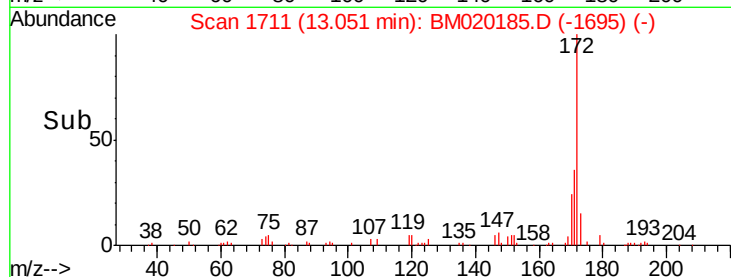
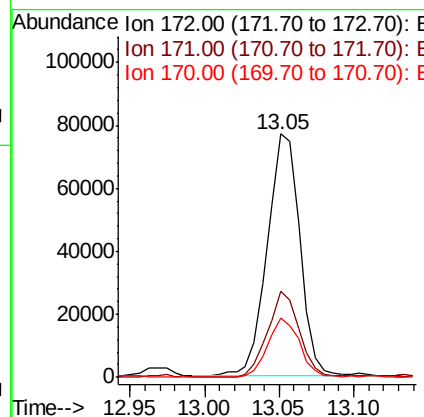
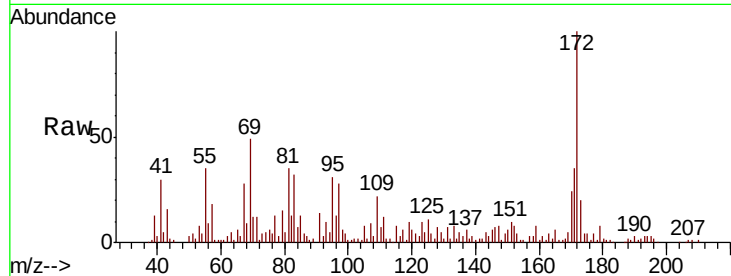
#45
2-Fluorobiphenyl
Concen: 4.586 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampled :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	24.2	17.9	26.9

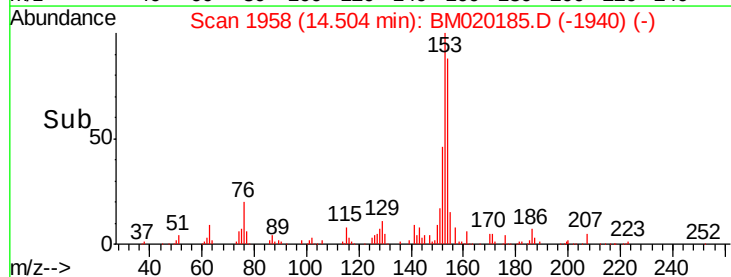
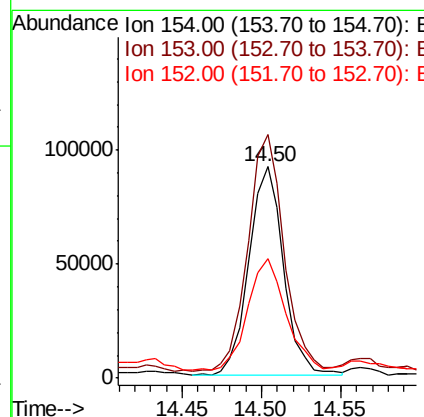
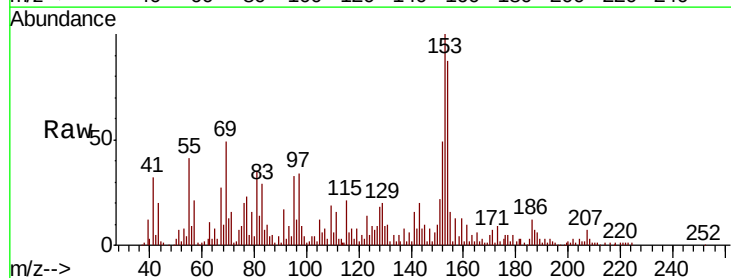
Manual Integrations
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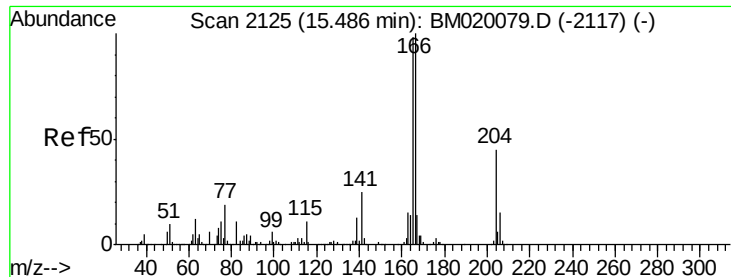
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#52
Acenaphthene
Concen: 7.370 ng
RT: 14.50 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.2	135.2
152	56.6	43.0	64.4





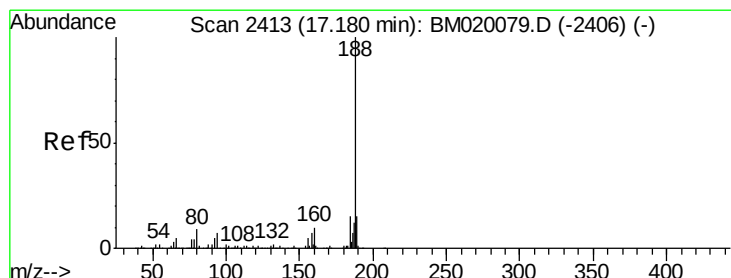
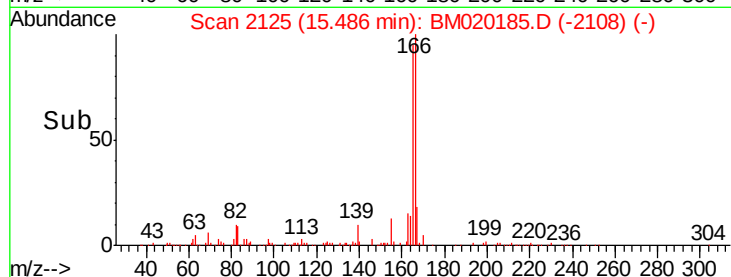
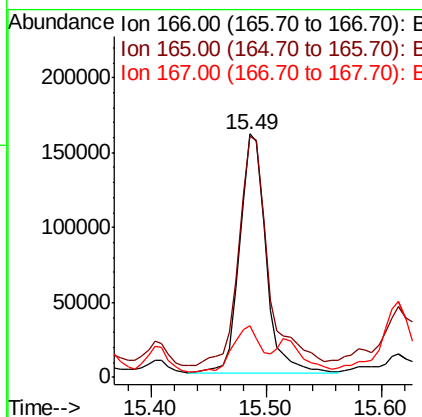
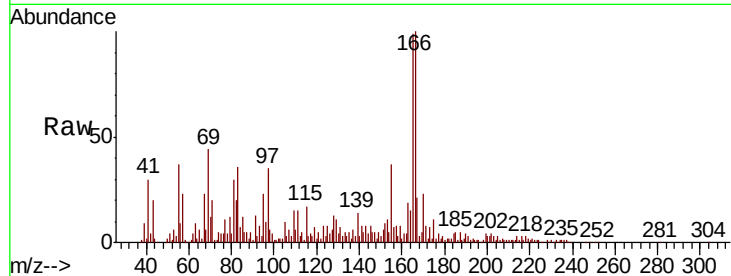
#58
 Fluorene
 Concen: 9.623 ng
 RT: 15.49 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BM020185.D
 Acq: 08 May 2019 03:23

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(25-25.5)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	251063		
165	99.1	78.2	117.2	
167	21.1	11.0	16.4#	

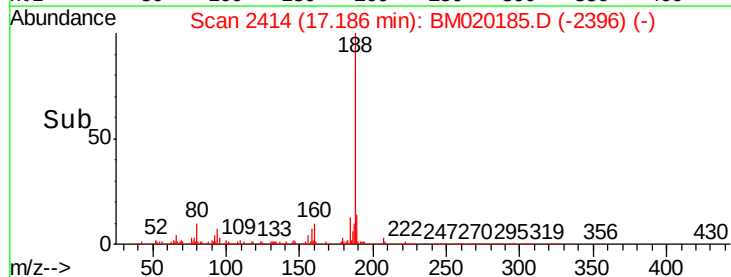
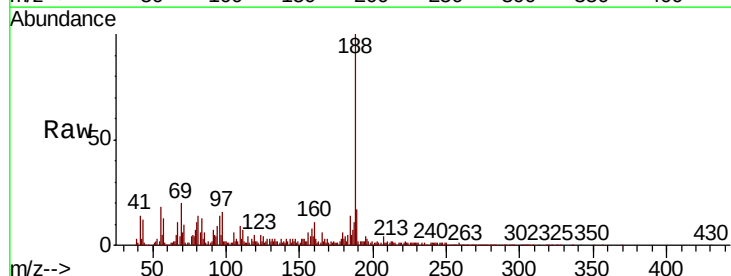
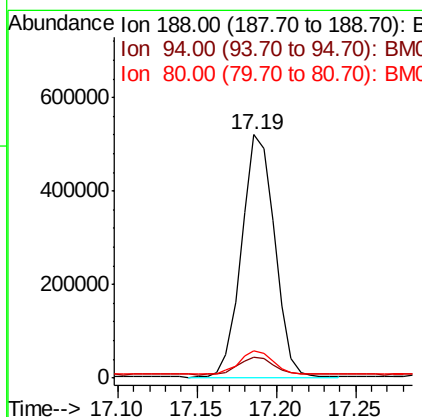
Manual Integrations
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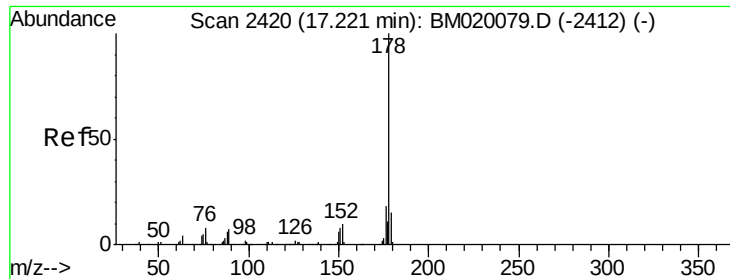
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.19 min Scan# 2414
 Delta R.T. 0.01 min
 Lab File: BM020185.D
 Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	750249		
94	8.8	5.8	8.6#	
80	11.2	7.4	11.2#	





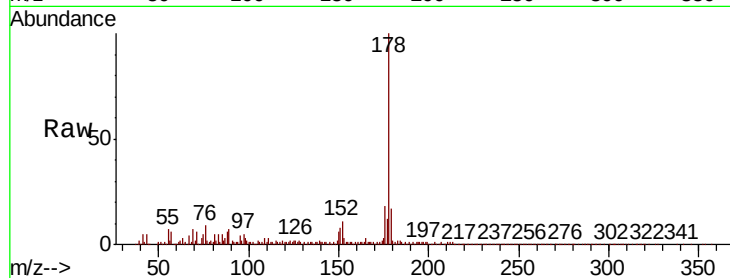
#71
Phenanthrene
Concen: 45.742 ng
RT: 17.23 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampleId :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.6	12.4	18.6

Manual Integrations
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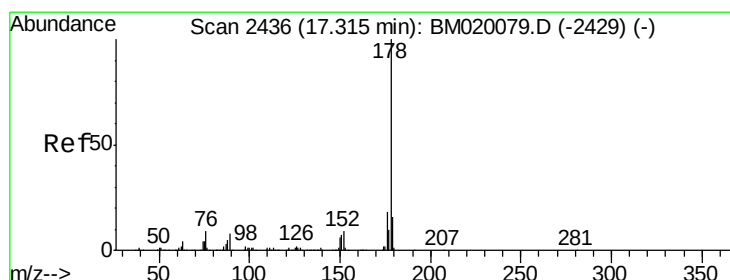
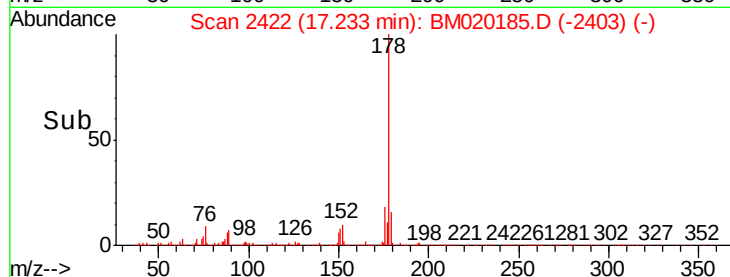
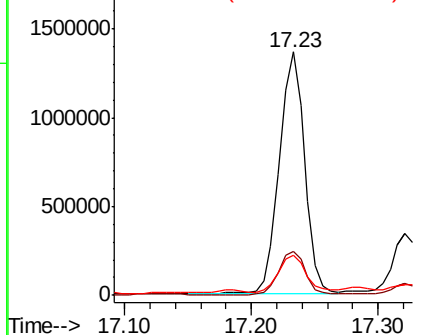


Abundance

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: 10.674 ng
RT: 17.32 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

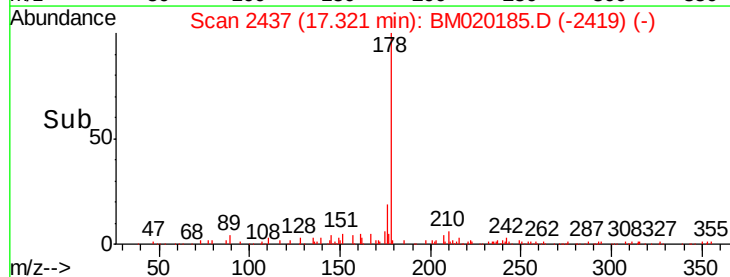
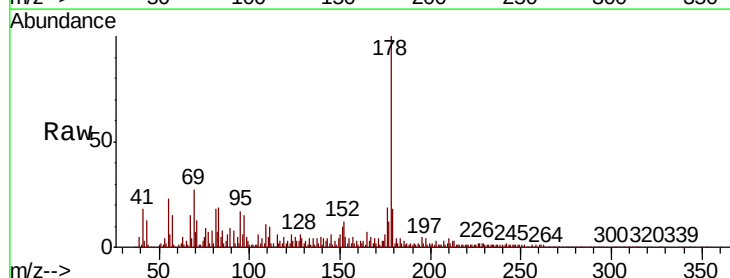
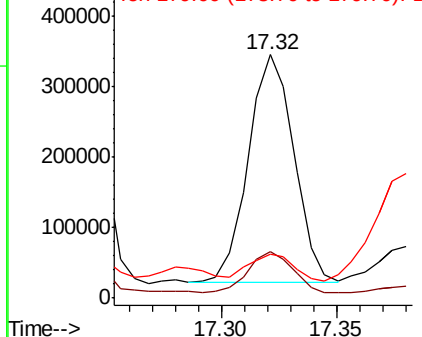
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	22.0
179	18.2	12.4	18.6

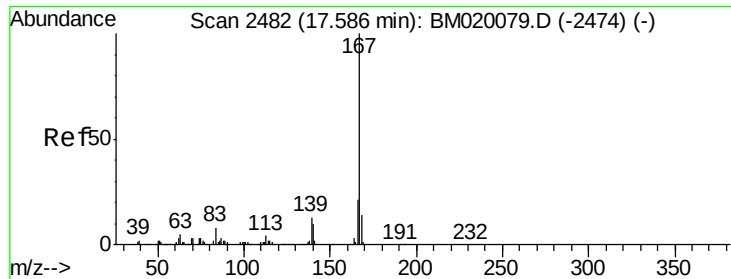
Abundance

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





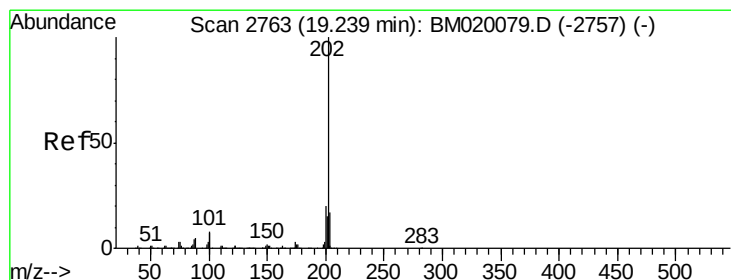
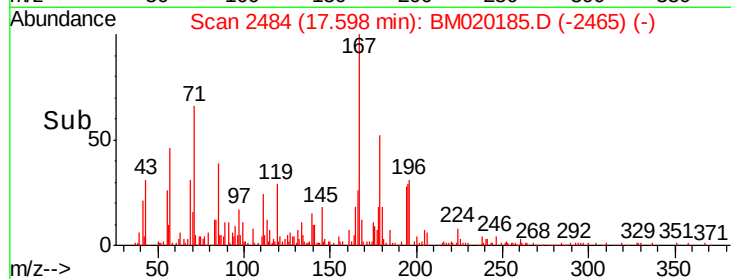
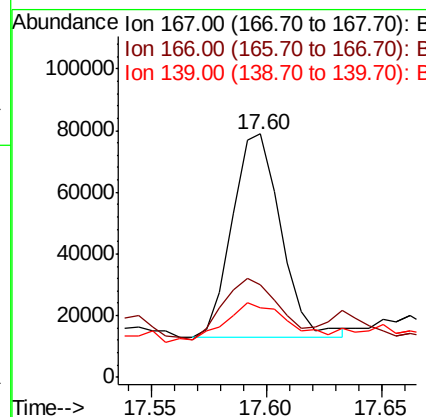
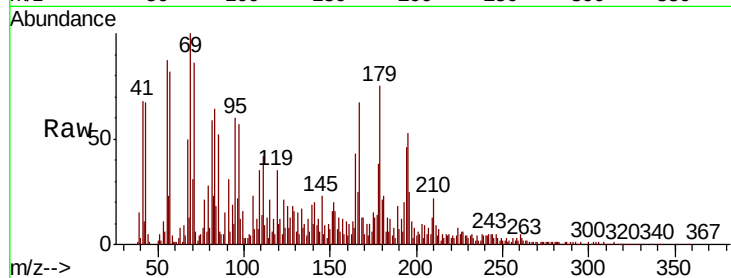
#73
 Carbazole
 Concen: 2.621 ng
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BM020185.D
 Acq: 08 May 2019 03:23

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
167	100		
166	38.0	17.0	25.6#
139	28.6	10.6	16.0#

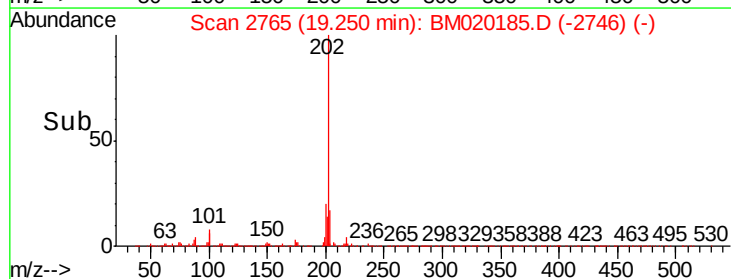
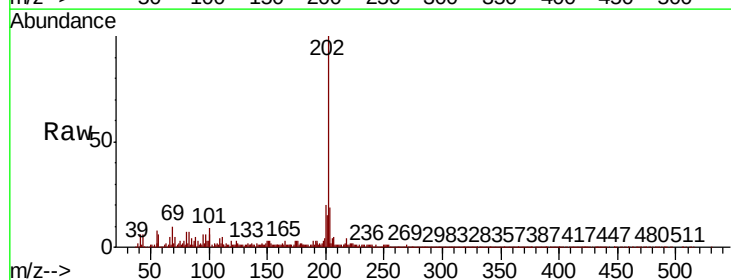
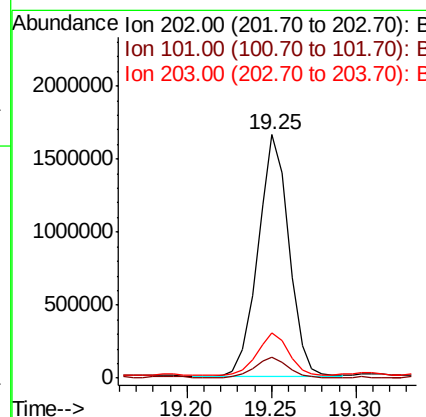
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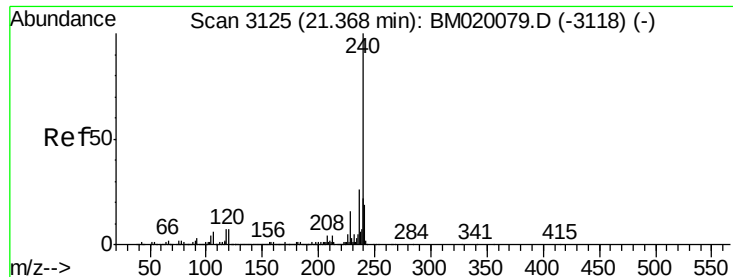
Sohil
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#75
 Fluoranthene
 Concen: 40.087 ng
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.01 min
 Lab File: BM020185.D
 Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	18.7	0.0	37.4





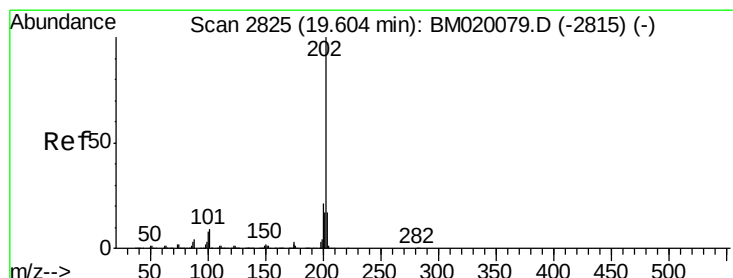
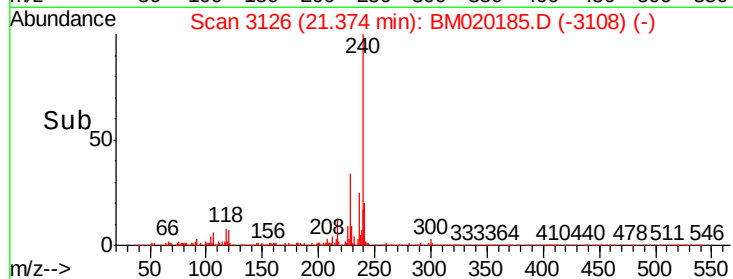
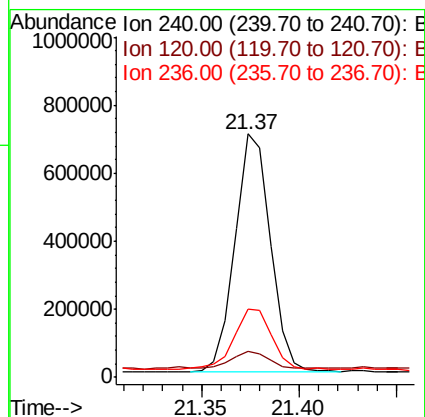
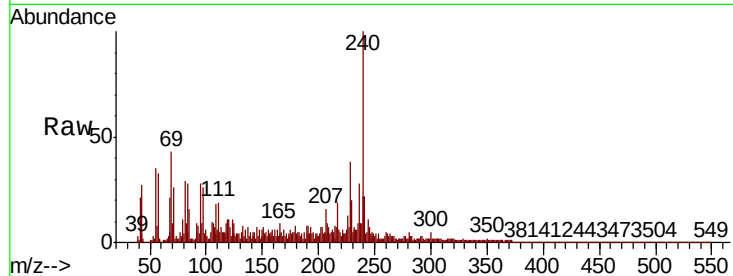
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Instrument :
BNA_M
ClientSampleId :
SB-1(25-25.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	5.6	8.4#
236	28.3	20.9	31.3

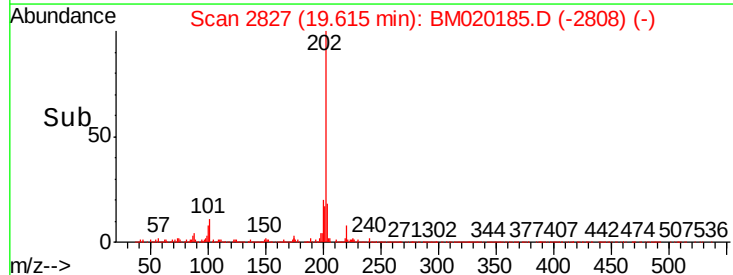
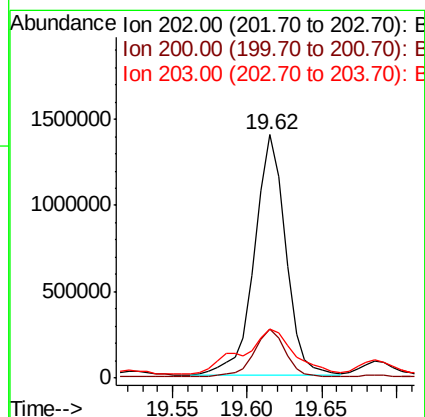
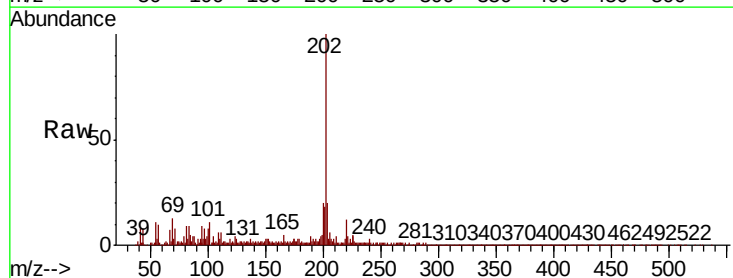
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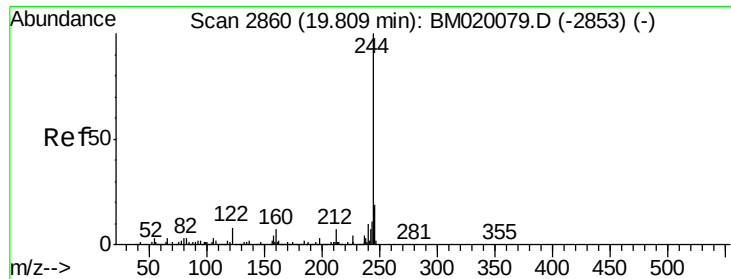
Sohil
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#78
Pyrene
Concen: 33.871 ng
RT: 19.62 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM020185.D
Acq: 08 May 2019 03:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	20.3	13.9	20.9





#79

Terphenyl-d14

Concen: 4.156 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

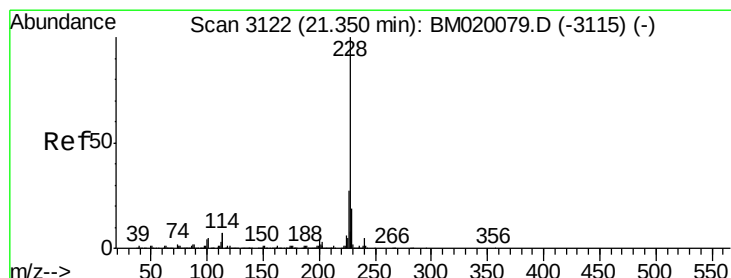
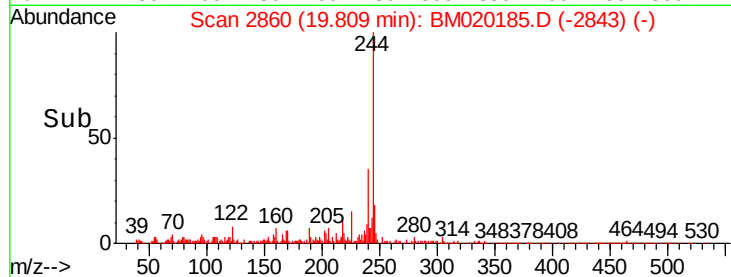
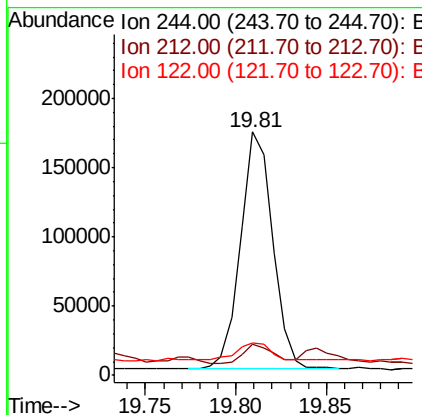
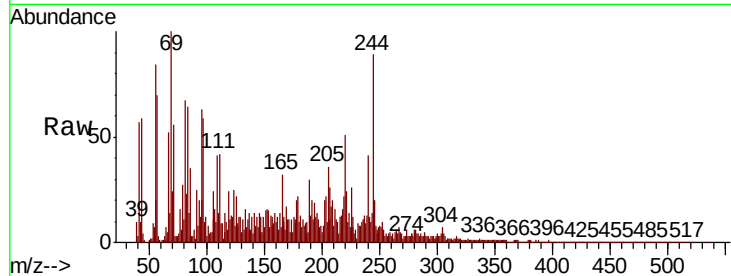
ClientSampleId :

SB-1(25-25.5)

Tot Ion:	244	Resp:	210643
Ion Ratio	Lower	Upper	
244	100		
212	12.6	5.7	8.5#
122	13.4	6.2	9.2#

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#81

Benzo(a)anthracene

Concen: 15.626 ng

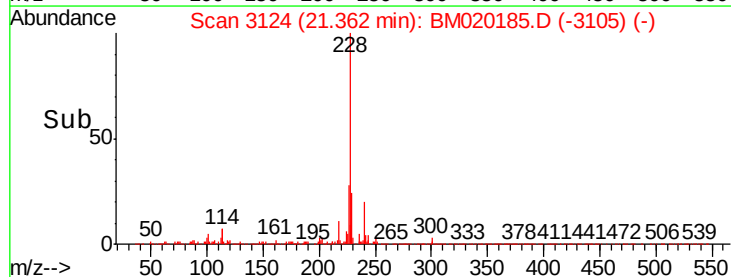
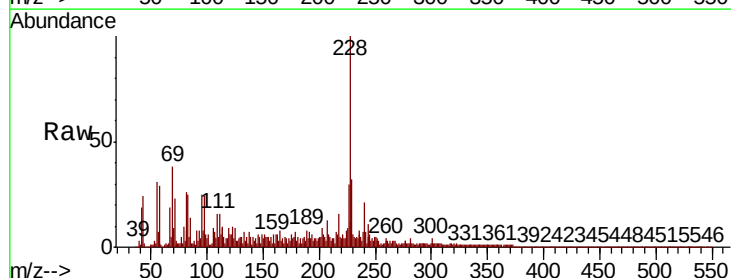
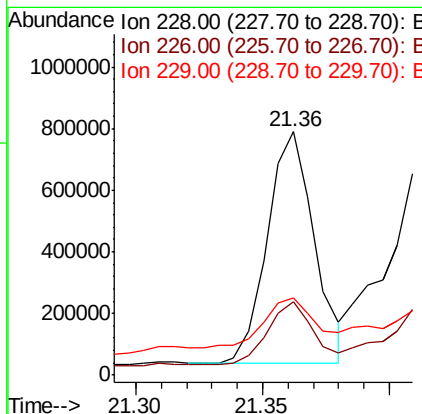
RT: 21.36 min Scan# 3124

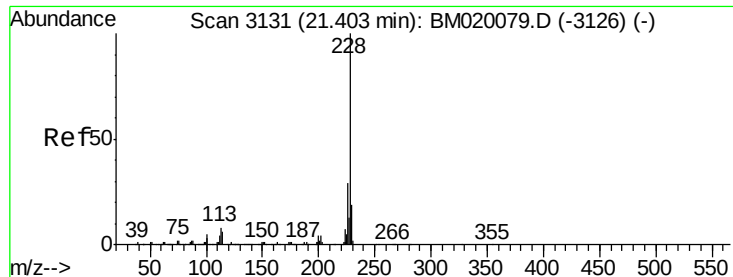
Delta R.T. 0.01 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Tgt Ion:	228	Resp:	968821
Ion Ratio	Lower	Upper	
228	100		
226	30.1	21.3	31.9
229	31.8	15.5	23.3#





#83

Chrysene

Concen: 18.148 ng

RT: 21.41 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

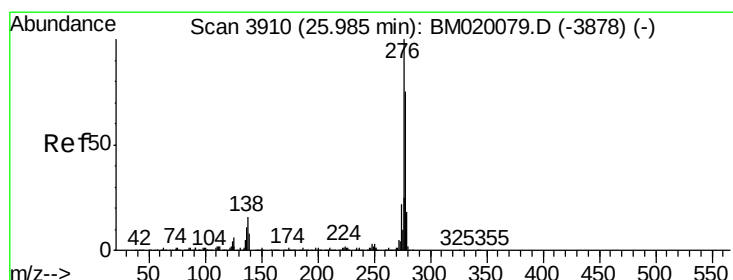
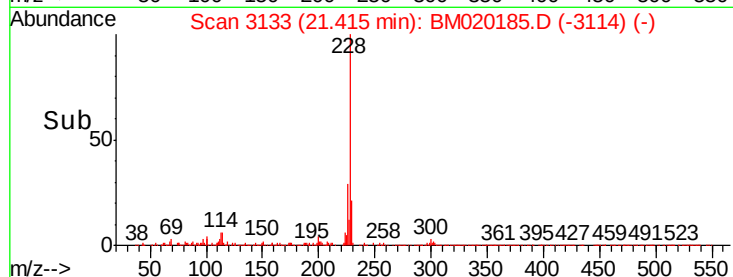
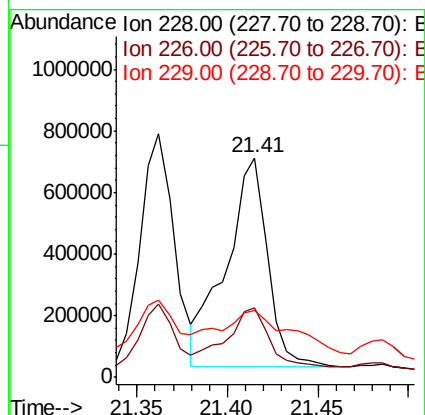
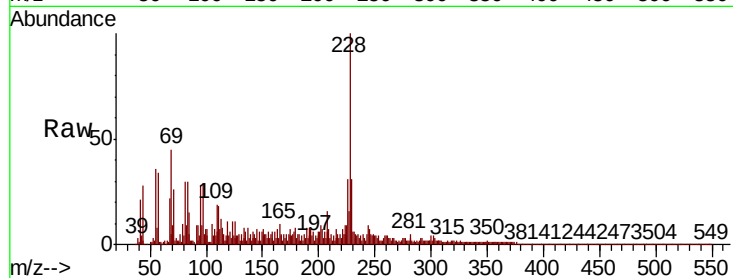
ClientSampleId :

SB-1(25-25.5)

Tot Ion:	228	Resp:	1091221
Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.0	34.6
229	30.7	15.5	23.3#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.997 ng m

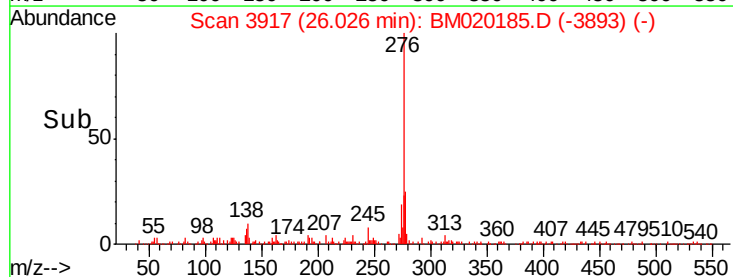
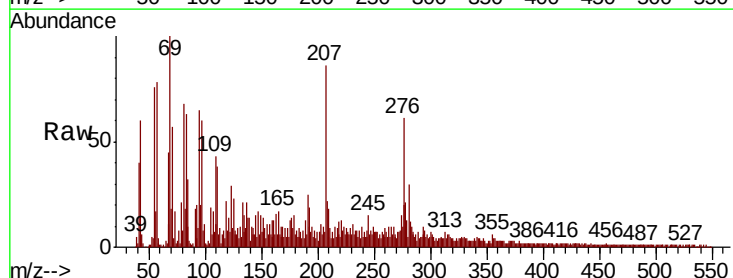
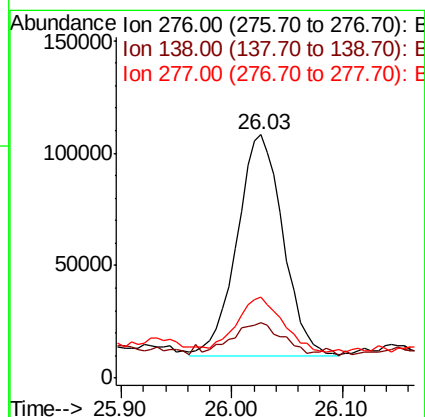
RT: 26.03 min Scan# 3917

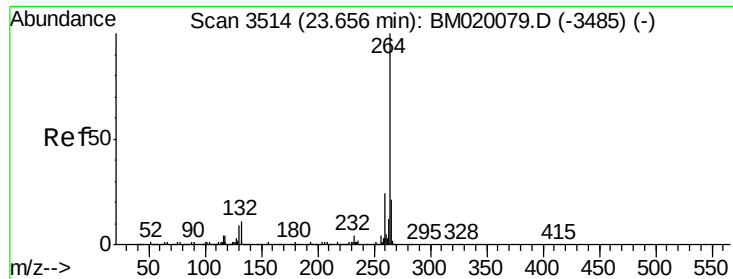
Delta R.T. 0.04 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Tgt Ion:	276	Resp:	285855
Ion	Ratio	Lower	Upper
276	100		
138	14.4	0.0	0.0#
277	20.5	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.68 min Scan# 3518

Delta R.T. 0.02 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

ClientSampleId :

SB-1(25-25.5)

Tot Ion:264 Resp: 1037267

Ion Ratio Lower Upper

264 100

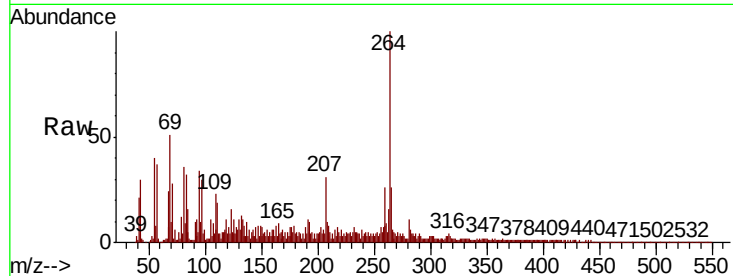
260 26.1 19.2 28.8

265 26.3 16.9 25.3#

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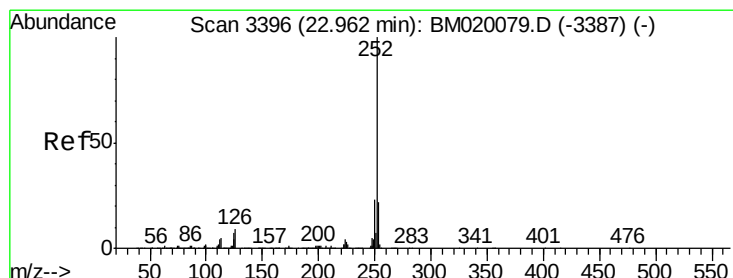
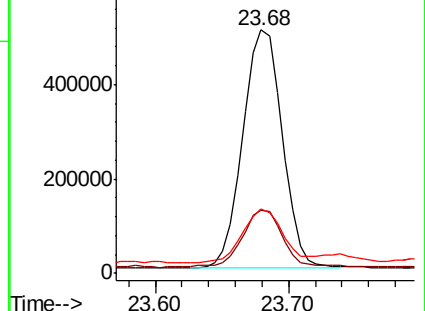
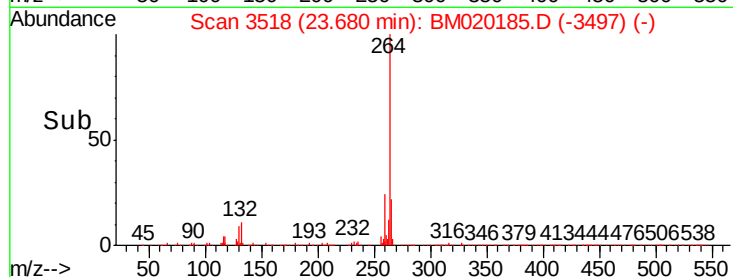
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.793 ng m

RT: 22.99 min Scan# 3400

Delta R.T. 0.02 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

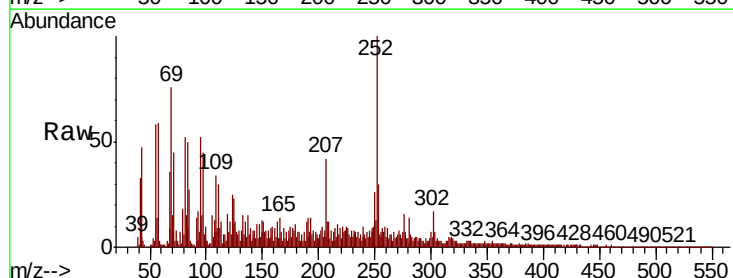
Tgt Ion:252 Resp: 876280

Ion Ratio Lower Upper

252 100

253 29.6 17.5 26.3#

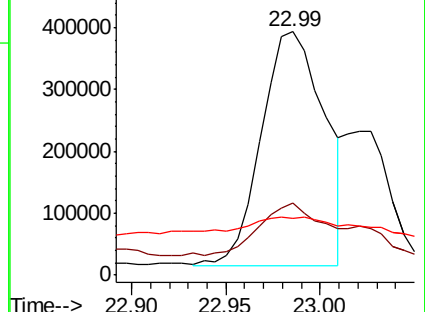
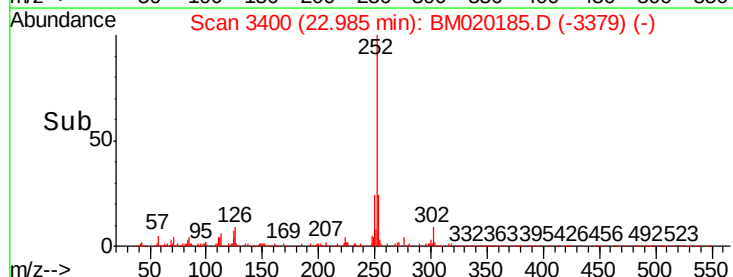
125 23.4 5.4 8.2#

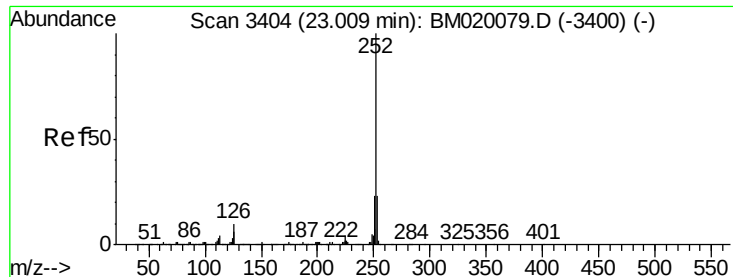


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.853 ng/mL

RT: 23.02 min Scan# 3406

Delta R.T. 0.01 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

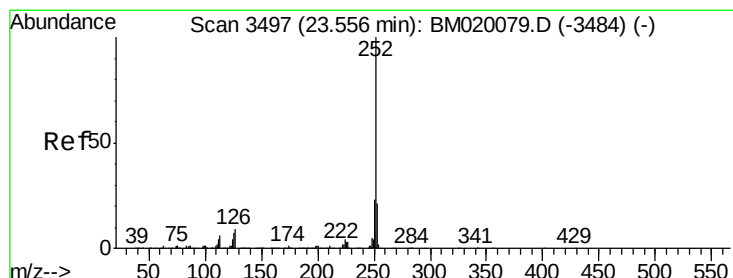
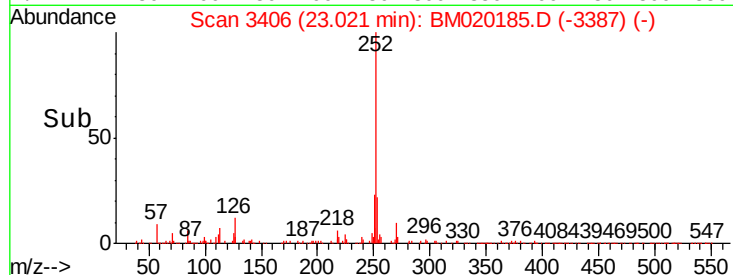
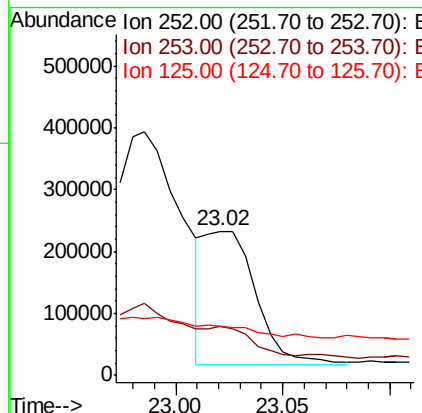
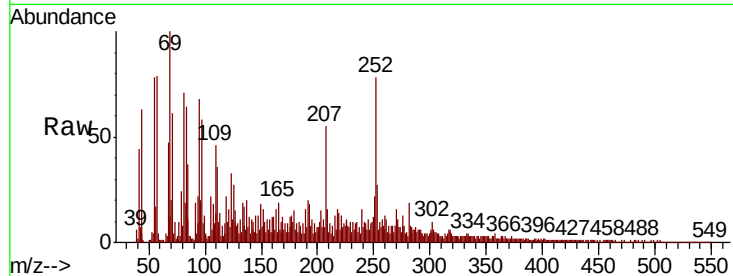
ClientSampled :

SB-1(25-25.5)

Tot Ion:	252	Resp:	365675
Ion Ratio	Lower	Upper	
252	100		
253	33.9	17.8	26.8#
125	34.1	5.4	8.0#

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#90

Benzo(a)pyrene

Concen: 10.965 ng/mL

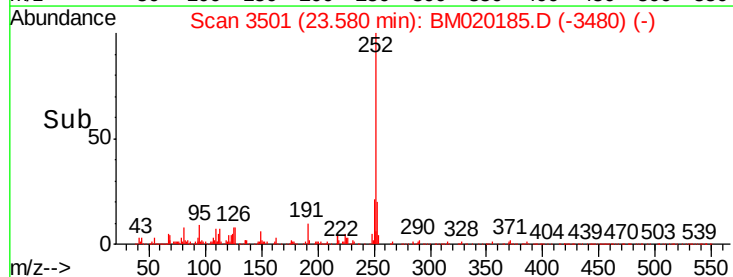
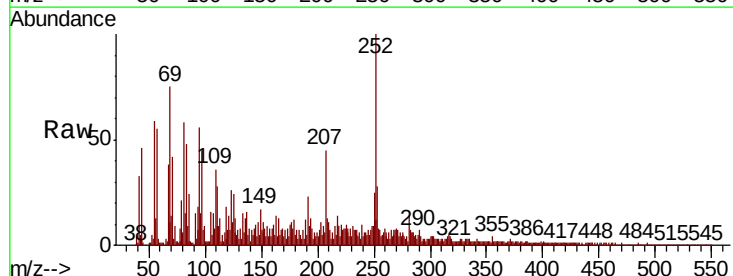
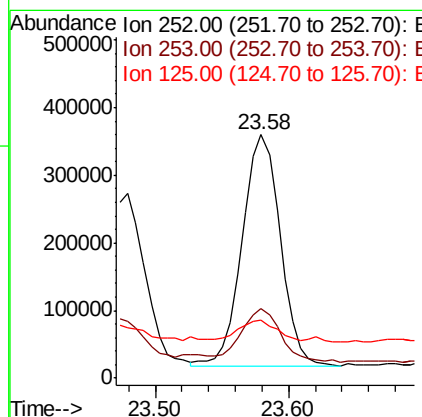
RT: 23.58 min Scan# 3501

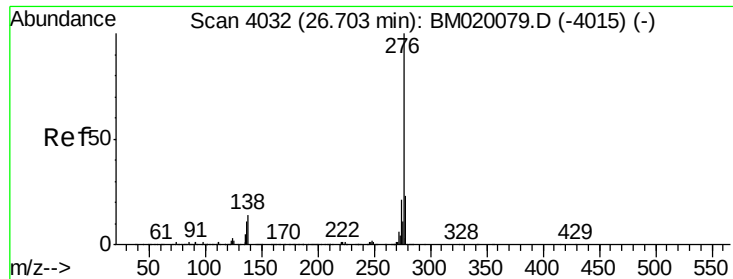
Delta R.T. 0.02 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Tgt Ion:	252	Resp:	682208
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.0	25.6#
125	23.7	5.5	8.3#





#92

Benzo(a,h,i)perylene

Concen: 4.184 ng/mL

RT: 26.75 min Scan# 4040

Delta R.T. 0.05 min

Lab File: BM020185.D

Acq: 08 May 2019 03:23

Instrument :

BNA_M

ClientSampleId :

SB-1(25-25.5)

Tot Ion:	276	Resp:	257001
Ion Ratio	Lower	Upper	
276	100		
277	34.6	18.4	27.6#
138	21.3	11.1	16.7#

Manual Integrations
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