

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020190.D
 Acq On : 08 May 2019 09:32
 Operator : JU/SJ
 Sample : K2704-02DL 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(24-27)DL

Manual Integrations
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Sohil
 5/9/2019 6:44:43 PM

Quant Time: May 08 14:05:12 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	115672	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	447791	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	276164	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	652024	20.00	ng	0.00
76) Chrysene-d12	21.37	240	718851	20.00	ng	0.00
87) Perylene-d12	23.66	264	857104	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	43595	6.16	ng	0.00
7) Phenol-d6	6.96	99	59188	6.12	ng	0.00
23) Nitrobenzene-d5	8.96	82	41390	3.65	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	25620	5.98	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	92990	4.14	ng	0.00
79) Terphenyl-d14	19.80	244	156707	3.80	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	12.25	142	58950	3.480	ng	Qvalue 94
38) 1-Methylnaphthalene	12.47	142	40797	2.463	ng	97
52) Acenaphthene	14.50	154	97591	5.859	ng	94
58) Fluorene	15.48	166	121288	5.257	ng	# 93
71) Phenanthrene	17.23	178	1483535	41.218	ng	100
72) Anthracene	17.32	178	557250	15.485	ng	99
75) Fluoranthene	19.24	202	2818473	61.891	ng	100
78) Pyrene	19.61	202	2434896	50.451	ng	99
81) Benzo(a)anthracene	21.36	228	1202706	23.857	ng	97
83) Chrysene	21.41	228	928949	19.000	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	332058	5.710	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1107356	19.565	ng	# 97
89) Benzo(k)fluoranthene	23.02	252	373971m	7.244	ng	
90) Benzo(a)pyrene	23.57	252	780291	15.178	ng	# 96
92) Benzo(a,h,i)perylene	26.71	276	285639	5.627	ng	# 92

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

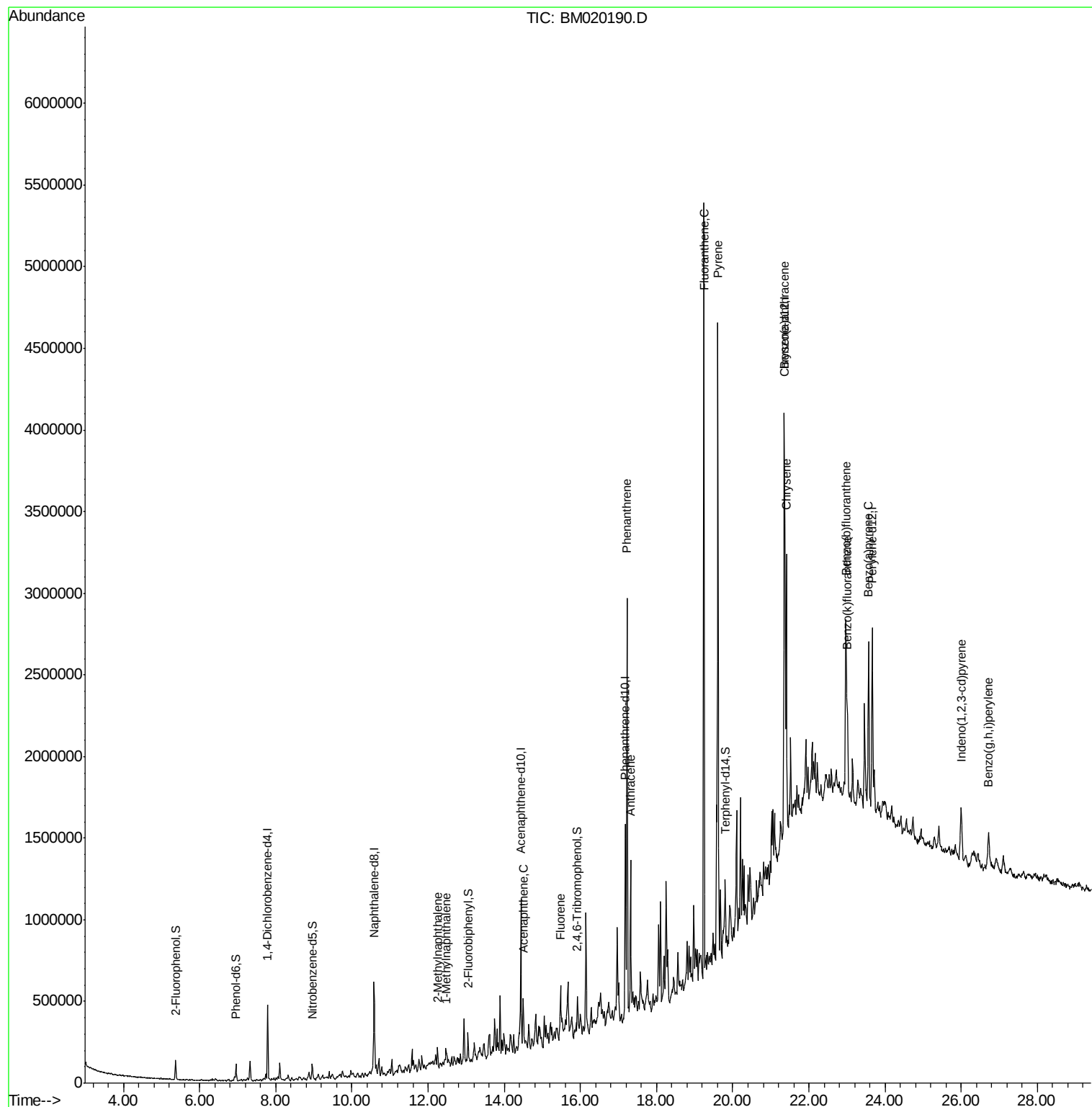
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020190.D
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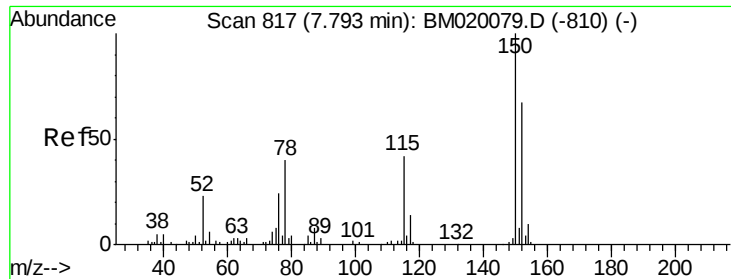
Instrument :
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#1

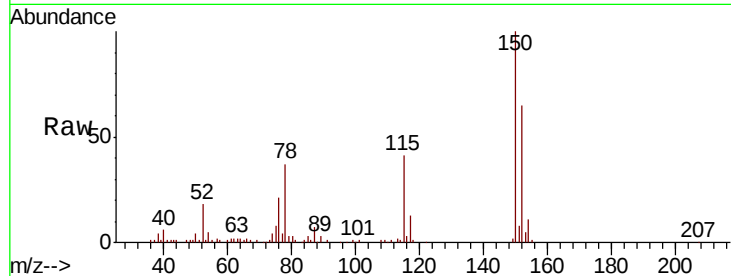
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

Instrument :
BNA_M
ClientSampleId :
SB-2(24-27)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	119.8	179.8
115	63.4	50.8	76.2

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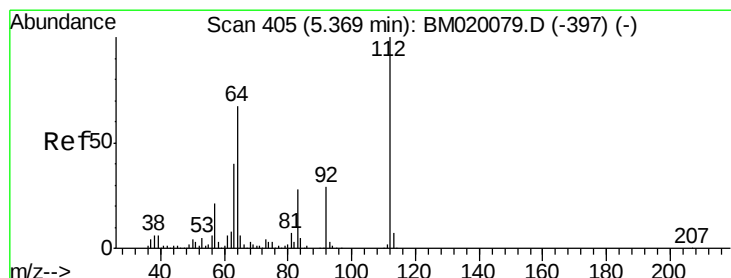
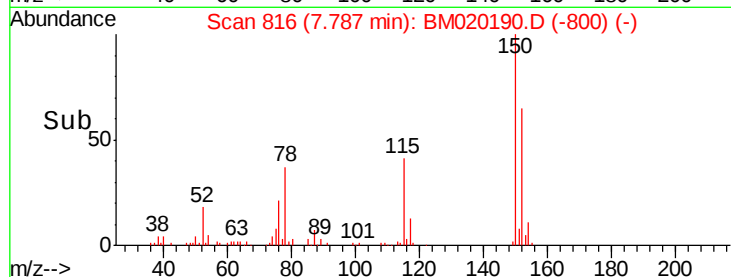
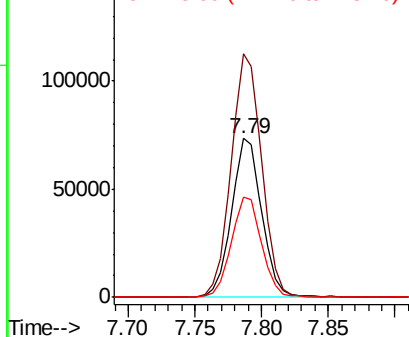


Abundance

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: 6.161 ng
RT: 5.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

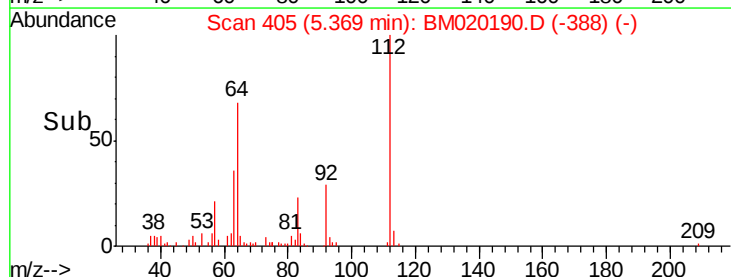
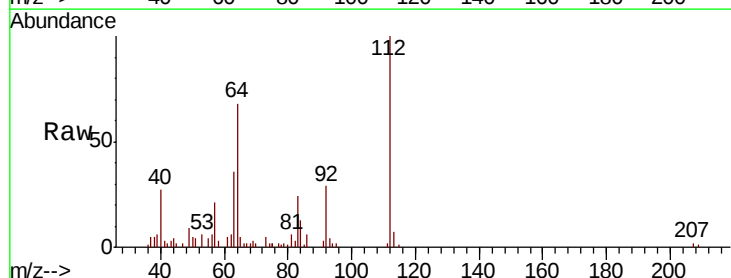
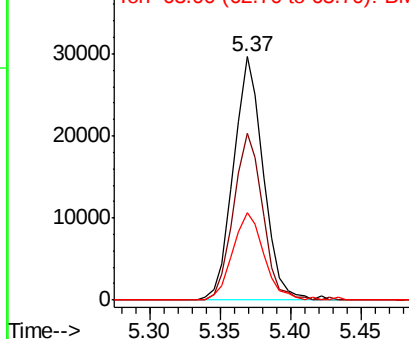
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.8	80.6
63	35.9	32.3	48.5

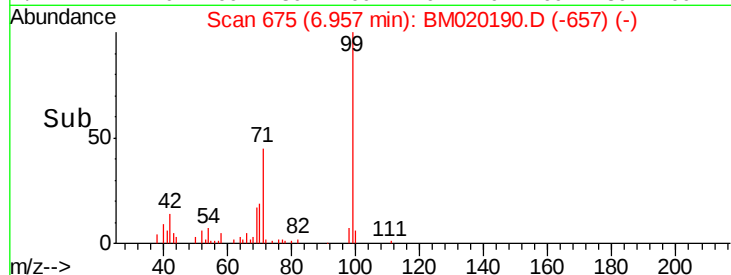
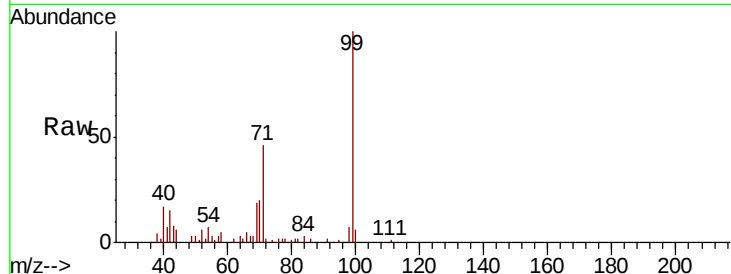
Abundance

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: 6.122 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tot Ion:	99	Resp:	59188
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.2	21.2
71	46.4	40.3	60.5

Instrument :

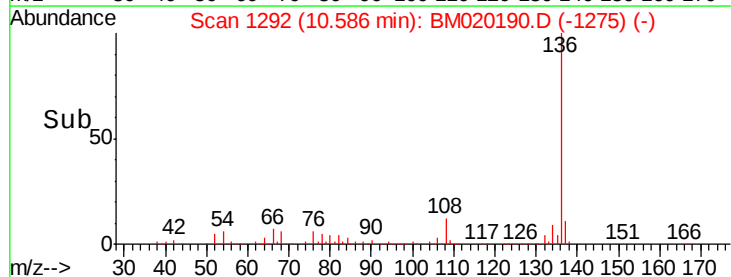
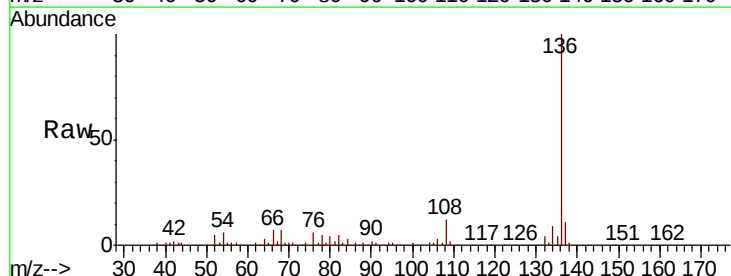
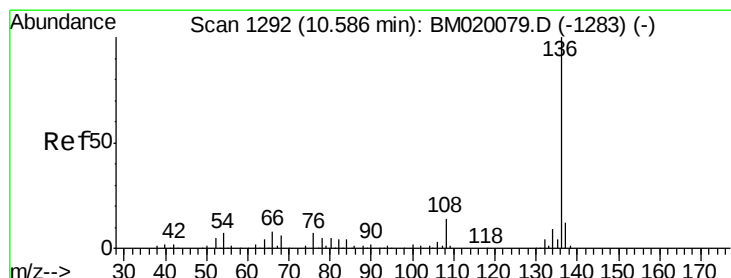
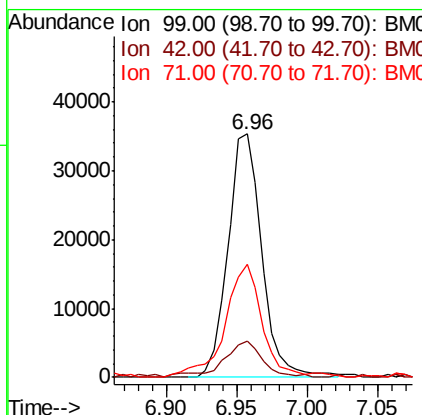
BNA_M

ClientSampleId :

SB-2(24-27)DL

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#21

Naphthalene-d8

Concen: 20.000 ng

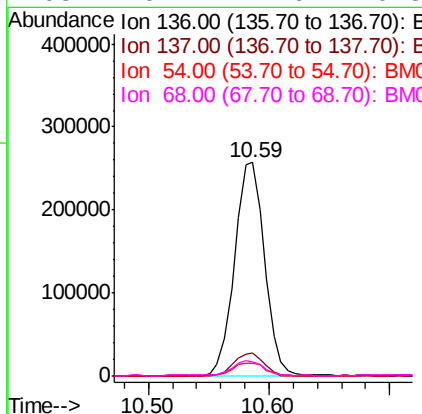
RT: 10.59 min Scan# 1292

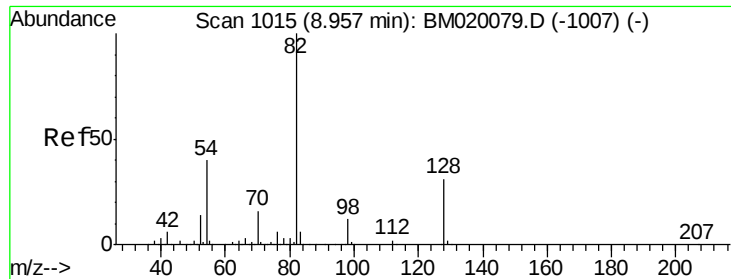
Delta R.T. 0.00 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tgt Ion:	136	Resp:	447791
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.6	14.4
54	6.2	5.5	8.3
68	6.7	4.6	6.8





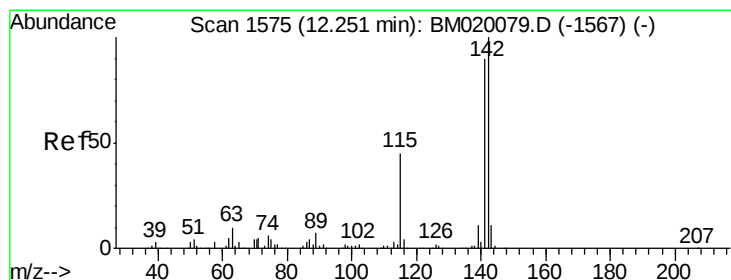
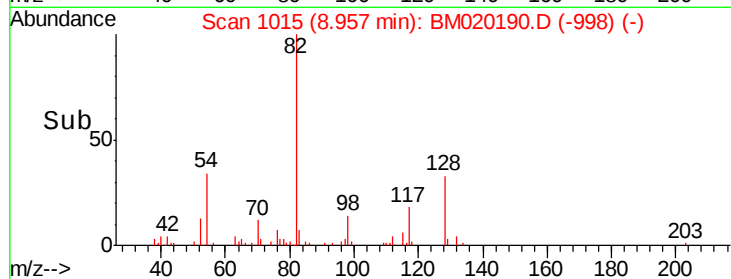
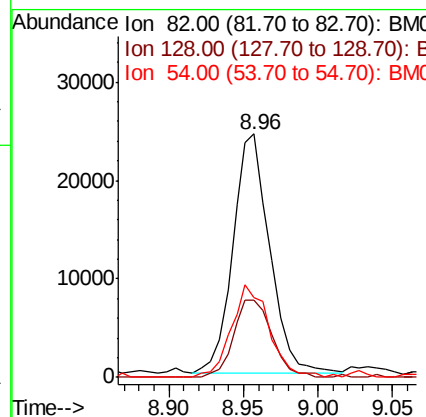
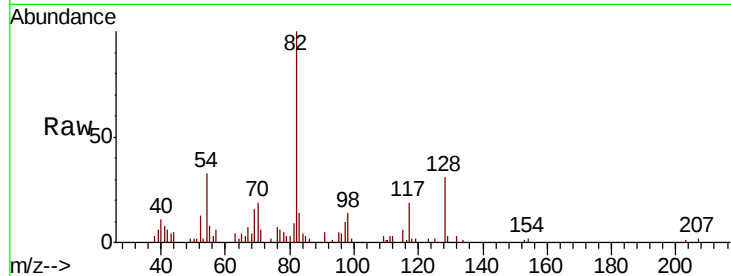
#23
 Nitrobenzene-d5
 Concen: 3.649 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BM020190.D
 Acq: 08 May 2019 09:32

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(24-27)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	31.5	25.2	37.8
54	32.8	31.9	47.9

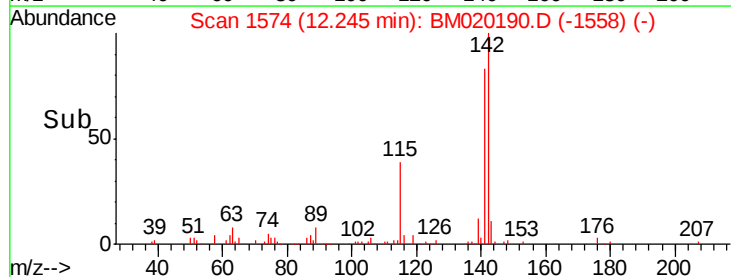
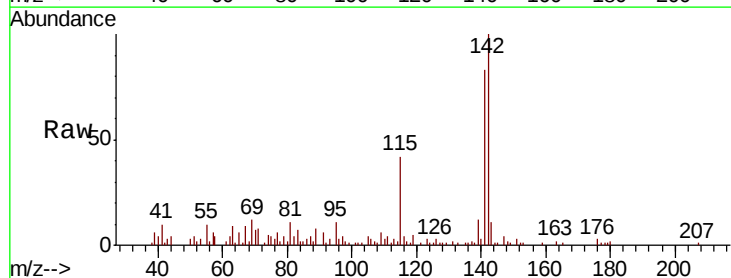
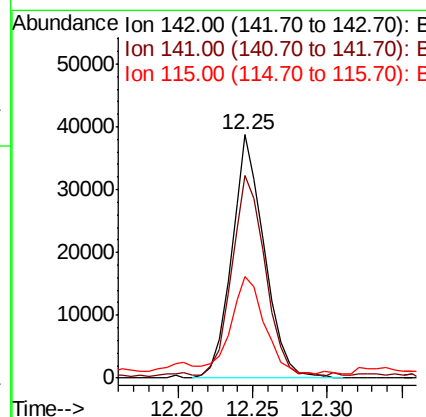
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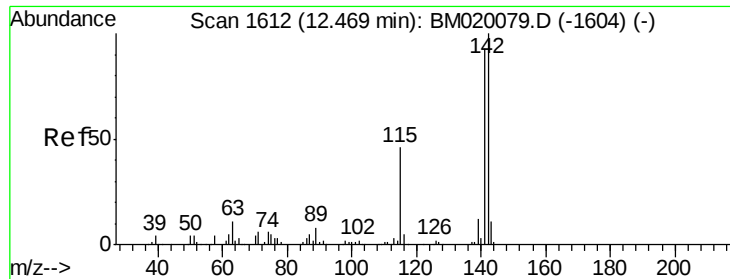
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#37
 2-Methylnaphthalene
 Concen: 3.480 ng
 RT: 12.25 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BM020190.D
 Acq: 08 May 2019 09:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	71.6	107.4
115	41.5	35.8	53.6





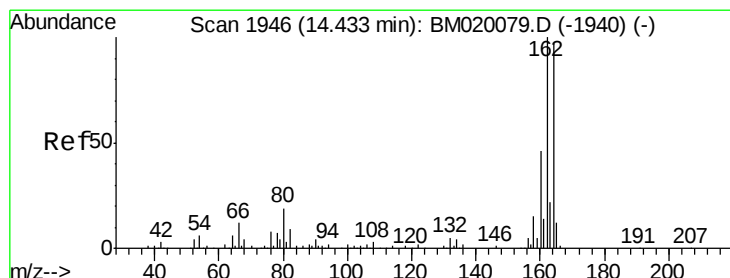
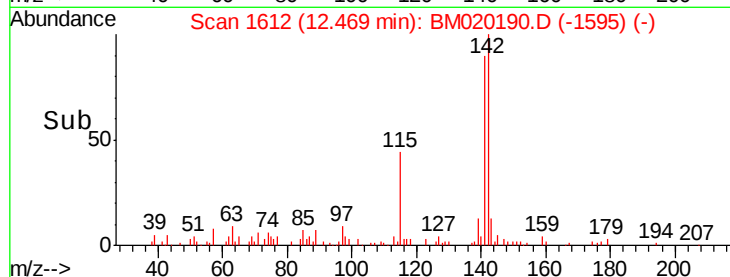
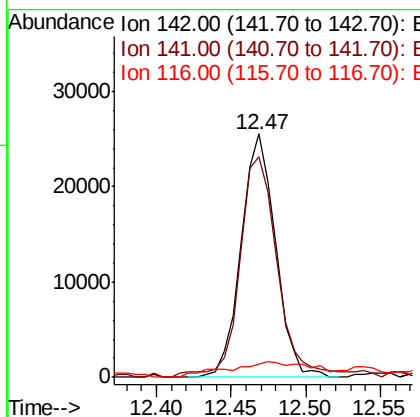
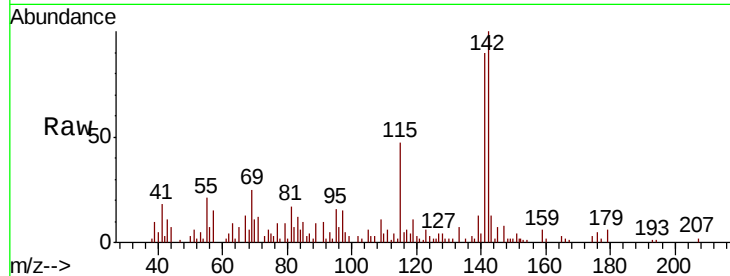
#38
1-Methylnaphthalene
Concen: 2.463 ng
RT: 12.47 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

Instrument :
BNA_M
ClientSampleId :
SB-2(24-27)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.8	112.2
116	5.2	3.9	5.9

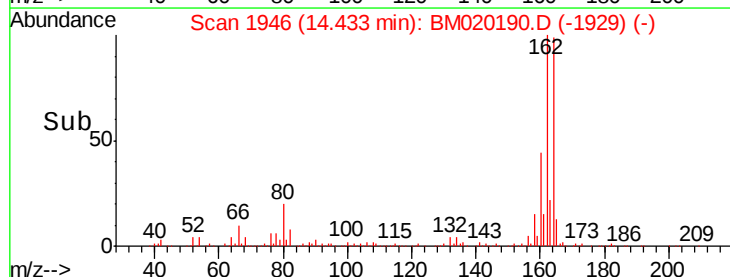
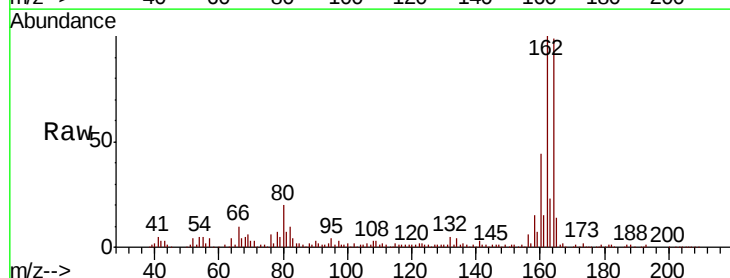
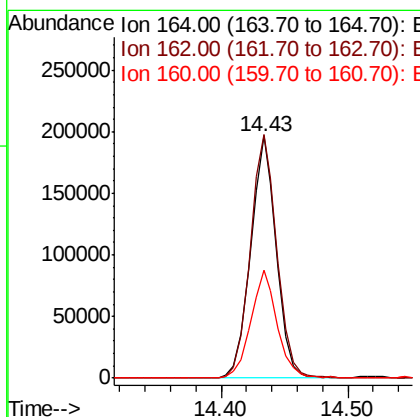
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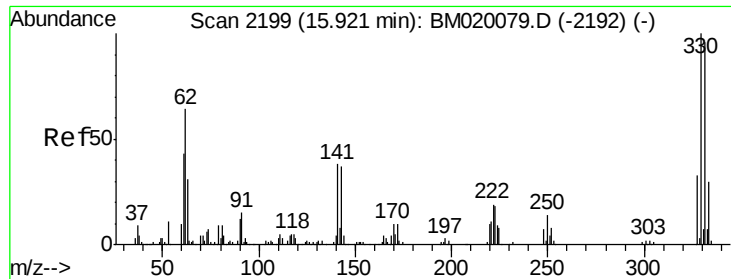
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.2
160	44.7	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 5.977 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

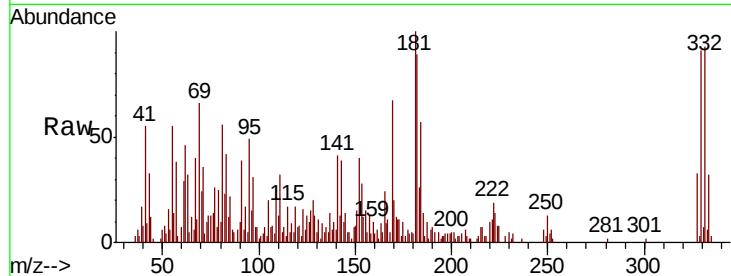
ClientSampleId :

SB-2(24-27)DL

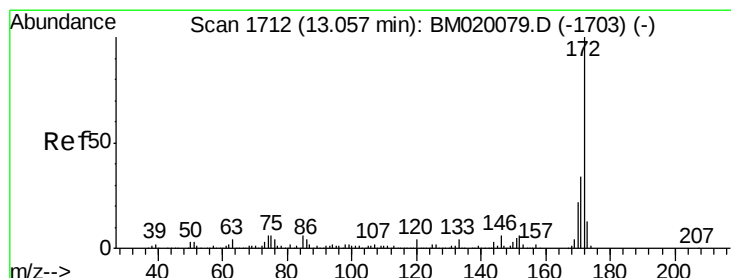
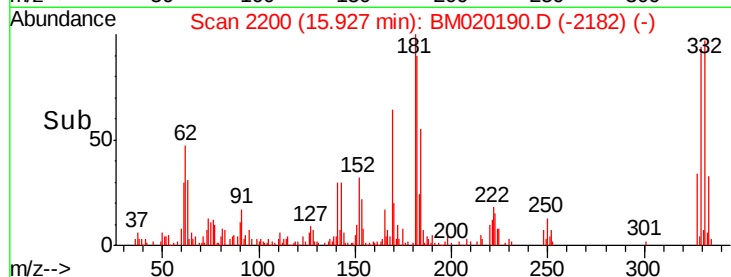
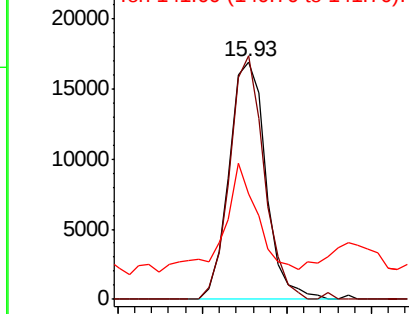
Tot Ion:	330	Resp:	25620
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.8	115.2
141	41.4	29.2	43.8

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



#45

2-Fluorobiphenyl

Concen: 4.143 ng

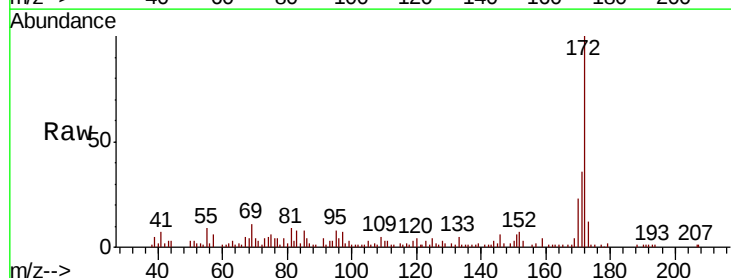
RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

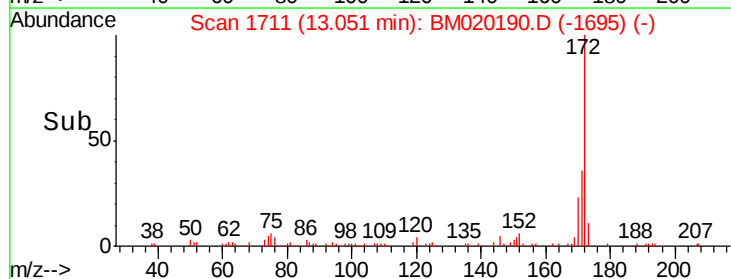
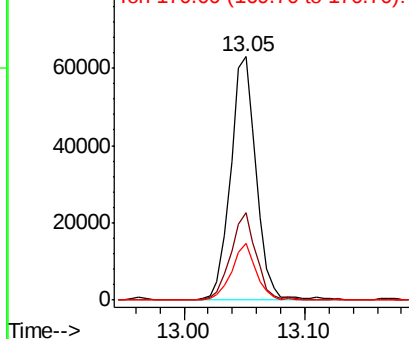
Lab File: BM020190.D

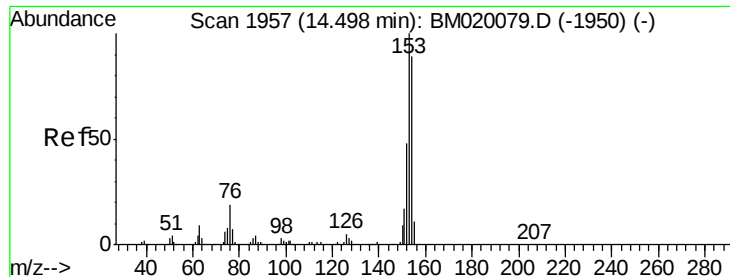
Acq: 08 May 2019 09:32

Tgt Ion:	172	Resp:	92990
Ion Ratio	Lower	Upper	
172	100		
171	36.0	27.3	40.9
170	23.1	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





#52

Acenaphthene

Concen: 5.859 ng

RT: 14.50 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

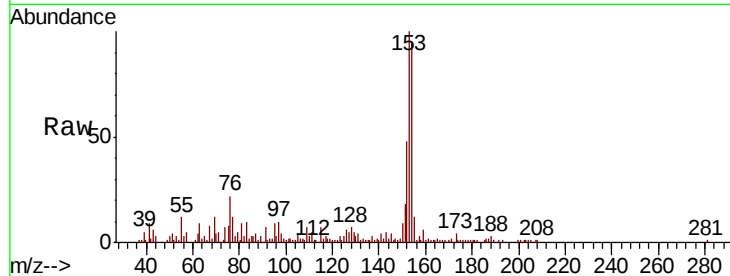
ClientSampleID :

SB-2(24-27)DL

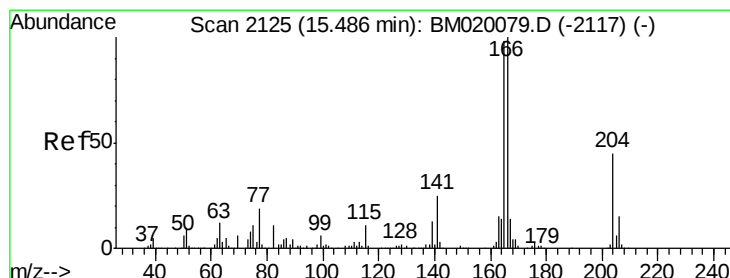
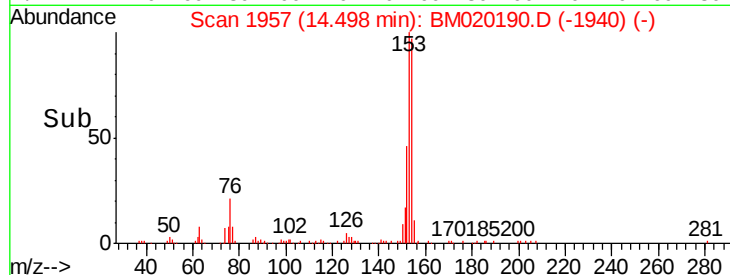
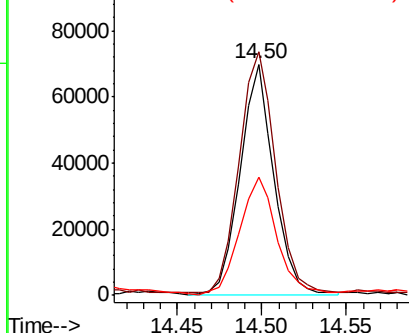
Tot Ion:	154	Resp:	97591
Ion Ratio	Lower	Upper	
154	100		
153	105.3	90.2	135.2
152	50.9	43.0	64.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 5.257 ng

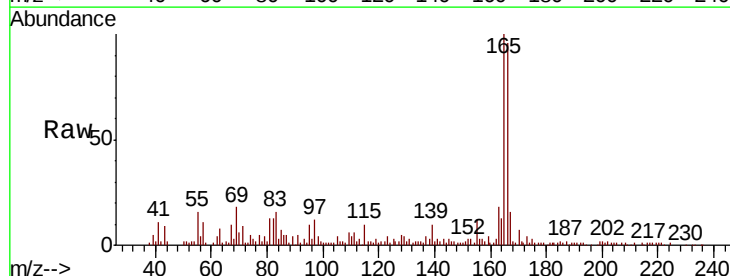
RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

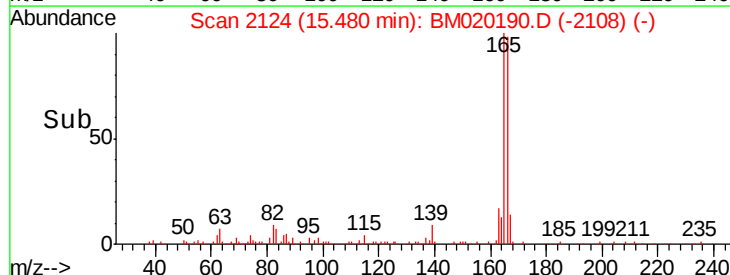
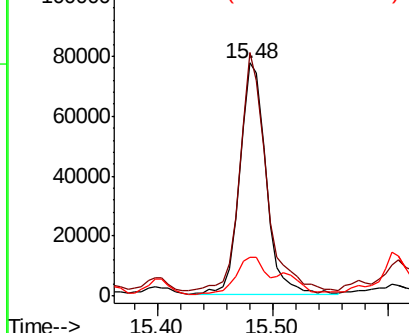
Lab File: BM020190.D

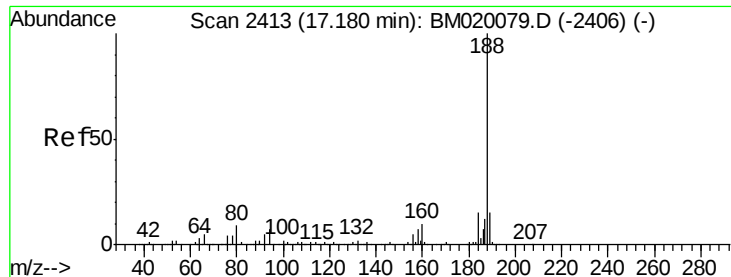
Acq: 08 May 2019 09:32

Tgt Ion:	166	Resp:	121288
Ion Ratio	Lower	Upper	
166	100		
165	104.6	78.2	117.2
167	16.5	11.0	16.4#



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: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

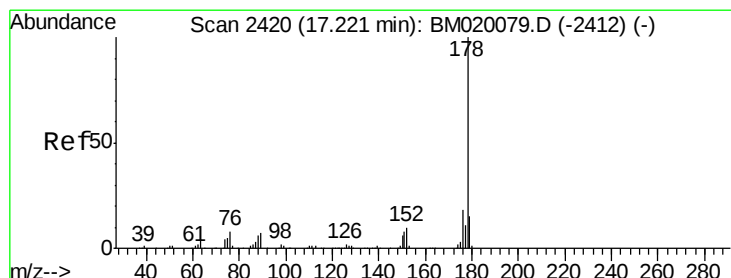
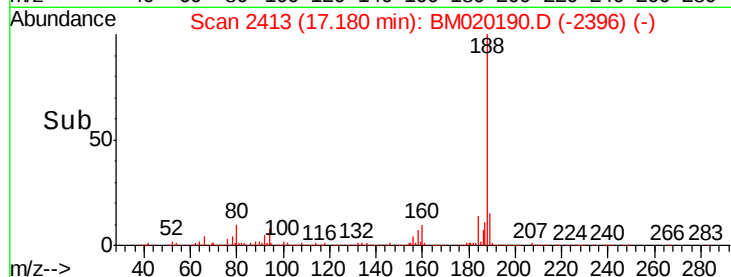
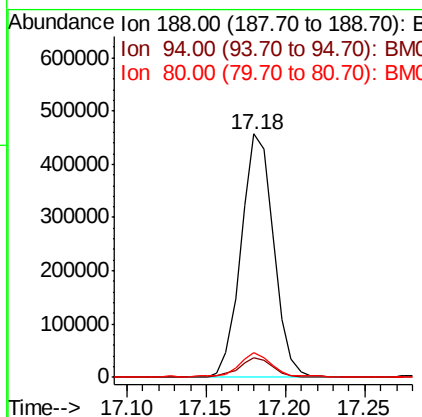
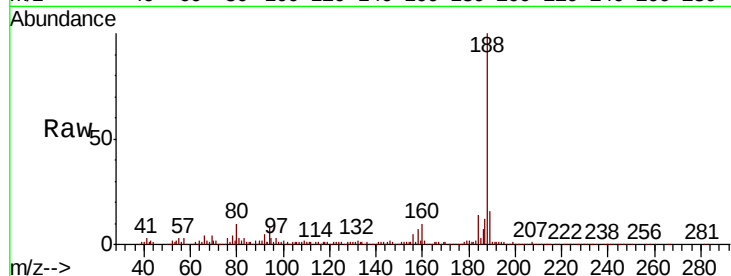
ClientSampleId :

SB-2(24-27)DL

Tot Ion:188	Resp:	652024
Ion Ratio	Lower	Upper
188 100		
94 8.1	5.8	8.6
80 10.2	7.4	11.2

Manual Integrations
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#71

Phenanthrene

Concen: 41.218 ng

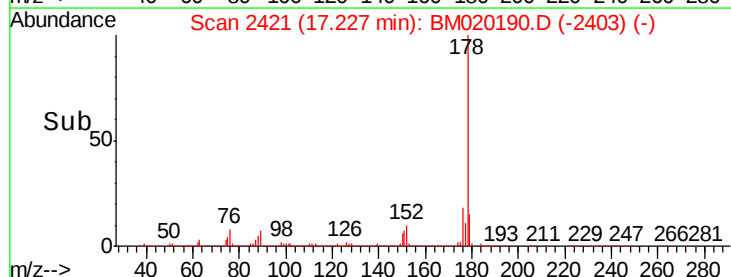
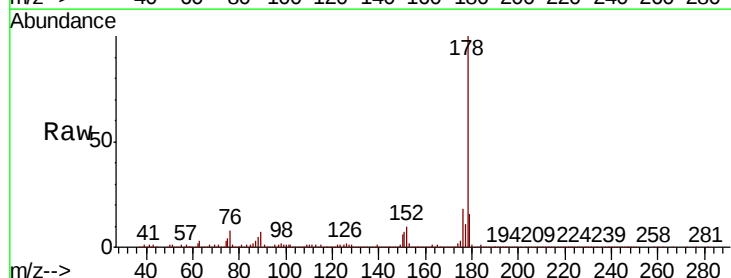
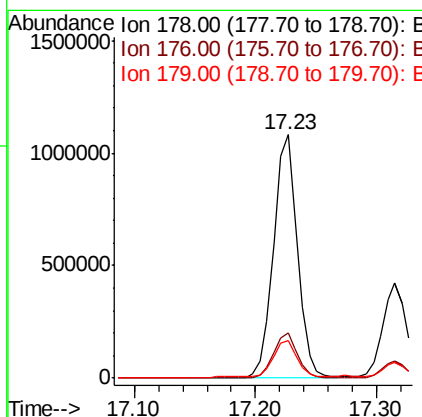
RT: 17.23 min Scan# 2421

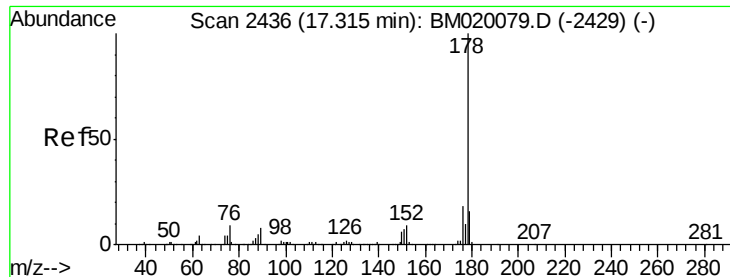
Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tgt Ion:178	Resp:	1483535
Ion Ratio	Lower	Upper
178 100		
176 18.5	14.6	21.8
179 15.6	12.4	18.6





#72

Anthracene

Concen: 15.485 ng

RT: 17.32 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

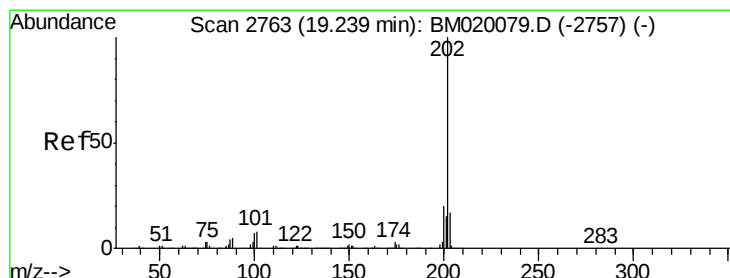
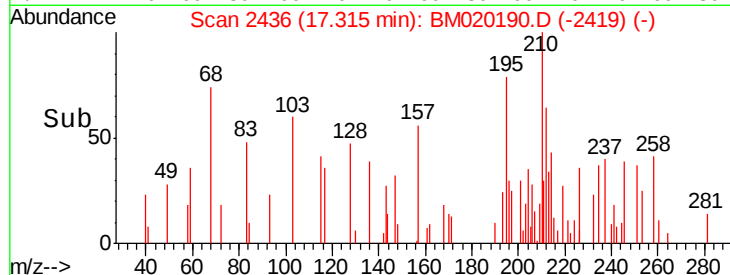
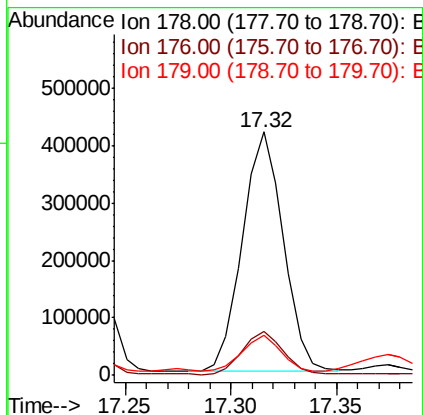
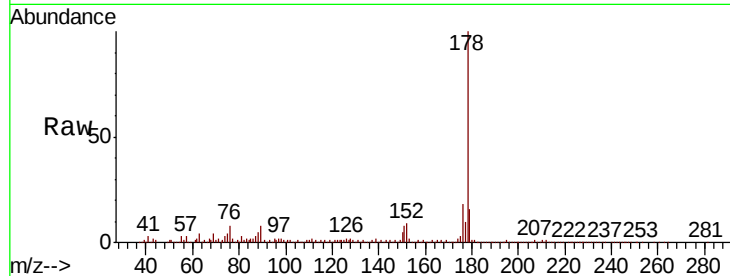
ClientSampleID :

SB-2(24-27)DL

Tot Ion:	178	Resp:	557250
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	22.0
179	16.2	12.4	18.6

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#75

Fluoranthene

Concen: 61.891 ng

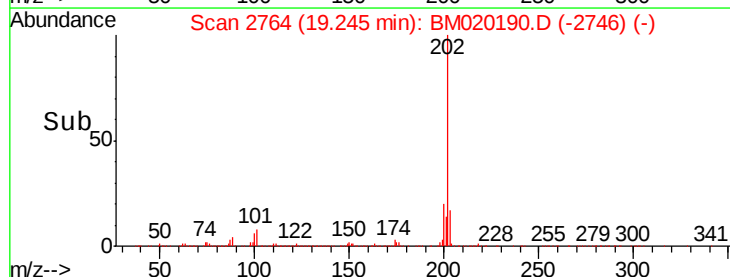
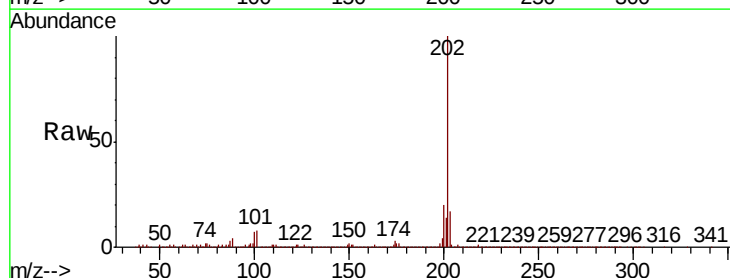
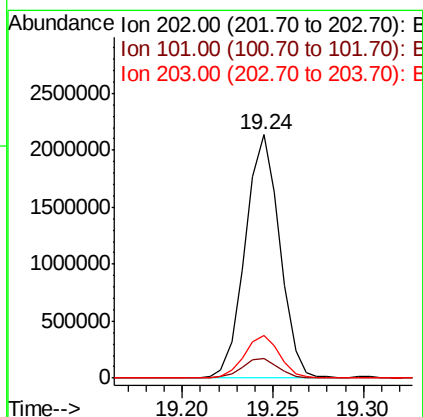
RT: 19.24 min Scan# 2764

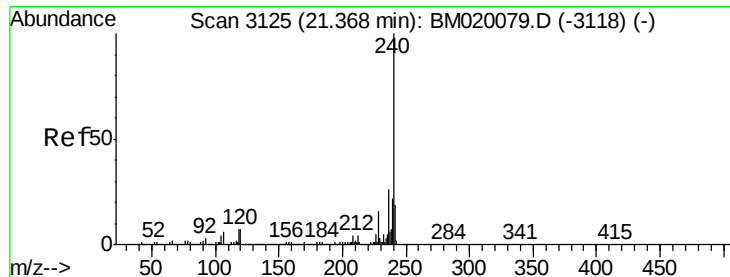
Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tgt Ion:	202	Resp:	2818473
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	28.4
203	17.5	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

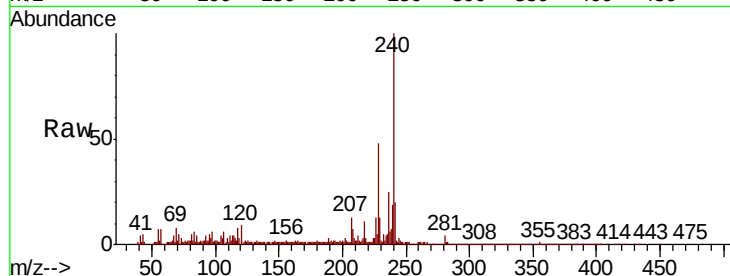
ClientSampleId :

SB-2(24-27)DL

Tot Ion:	240	Resp:	718851
Ion Ratio	Lower	Upper	
240	100		
120	8.7	5.6	8.4#
236	25.2	20.9	31.3

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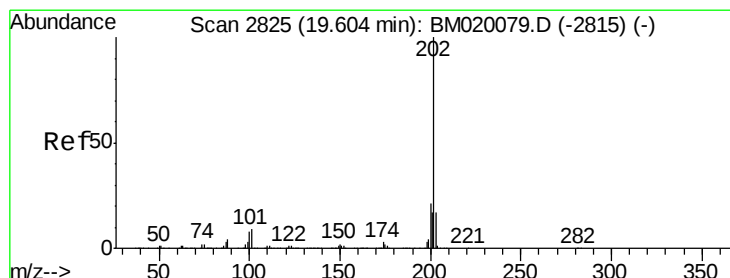
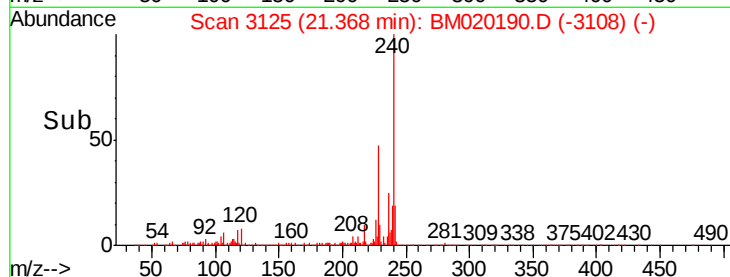
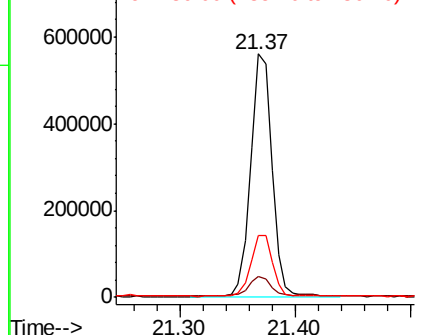
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 50.451 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020190.D

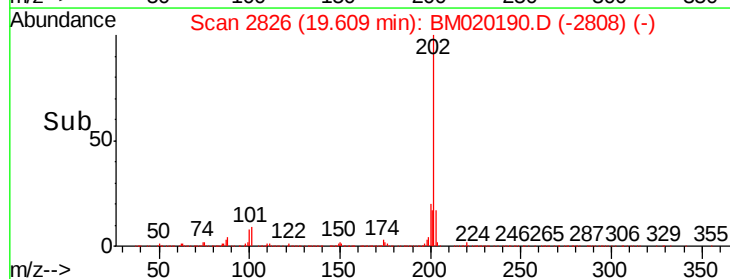
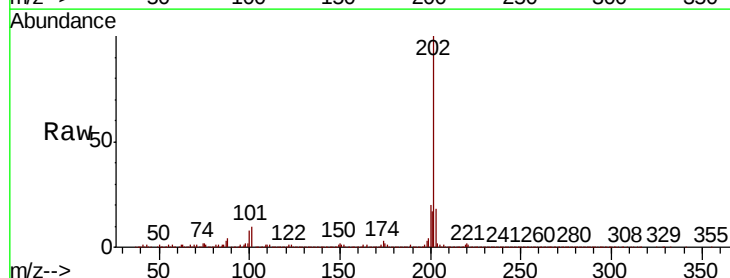
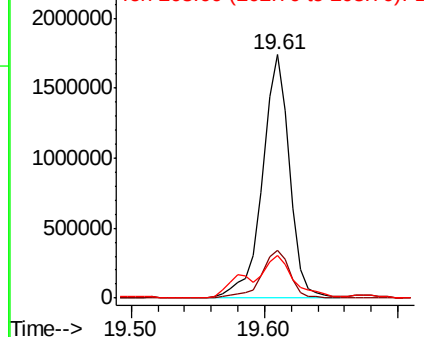
Acq: 08 May 2019 09:32

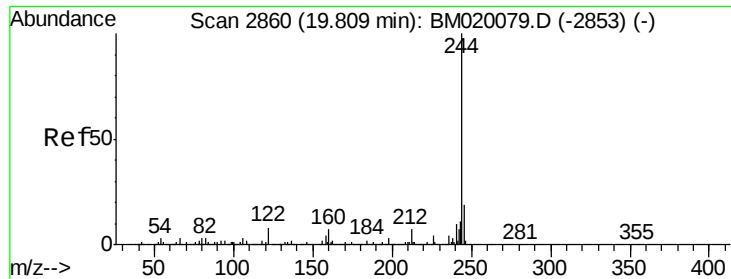
Tgt Ion:	202	Resp:	2434896
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.5	24.7
203	17.8	13.9	20.9

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 3.802 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

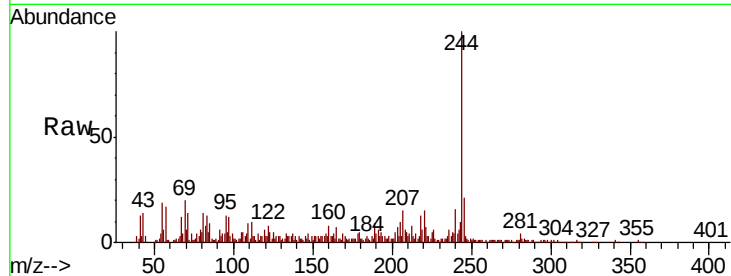
ClientSampleId :

SB-2(24-27)DL

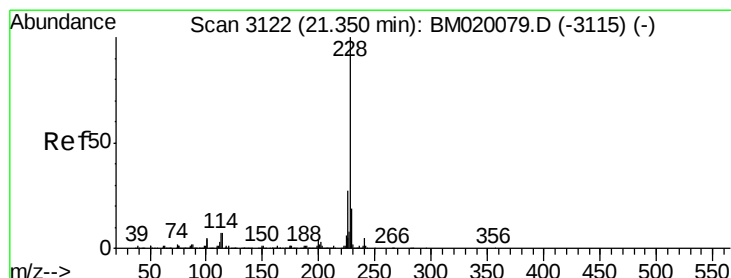
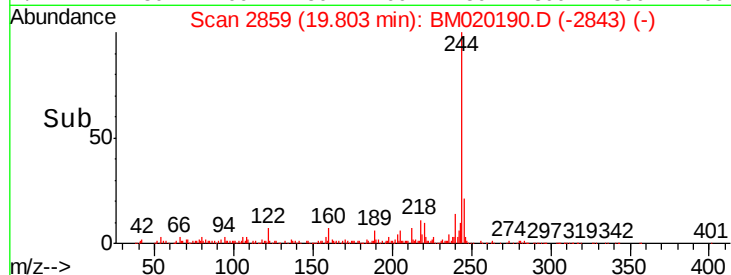
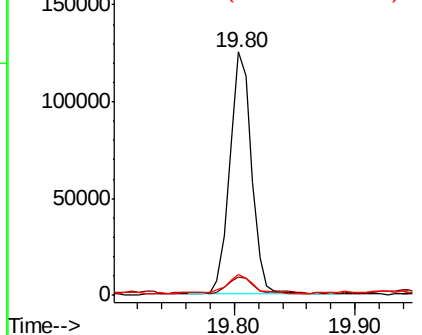
Tot Ion:	244	Resp:	156707
Ion Ratio		Lower	Upper
244	100		
212	7.7	5.7	8.5
122	8.5	6.2	9.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 23.857 ng

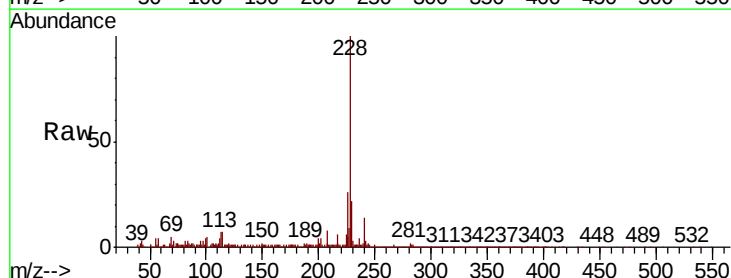
RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

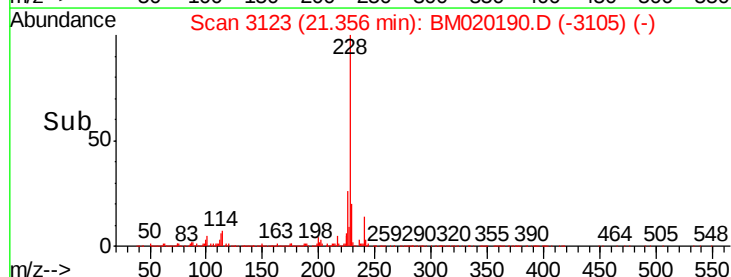
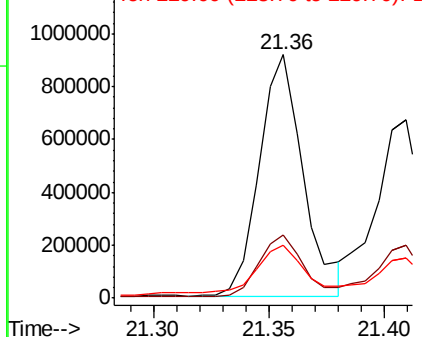
Lab File: BM020190.D

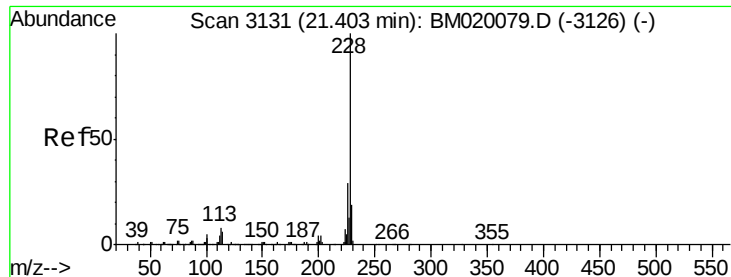
Acq: 08 May 2019 09:32

Tgt Ion:	228	Resp:	1202706
Ion Ratio		Lower	Upper
228	100		
226	26.1	21.3	31.9
229	21.7	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





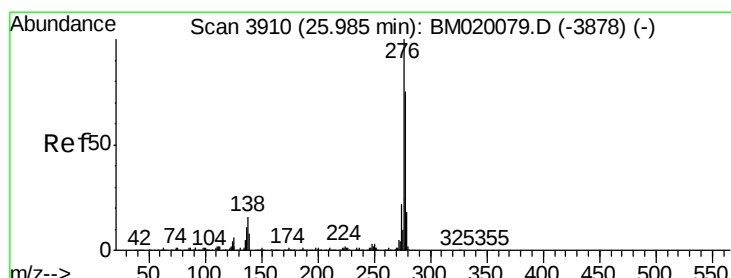
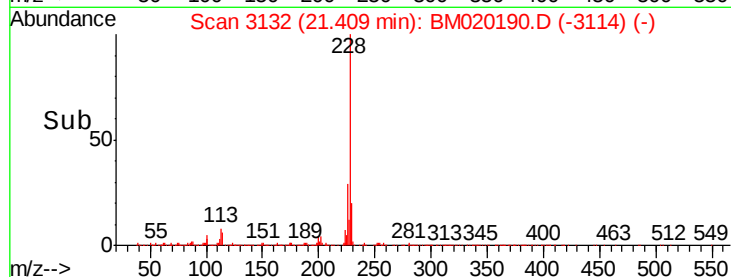
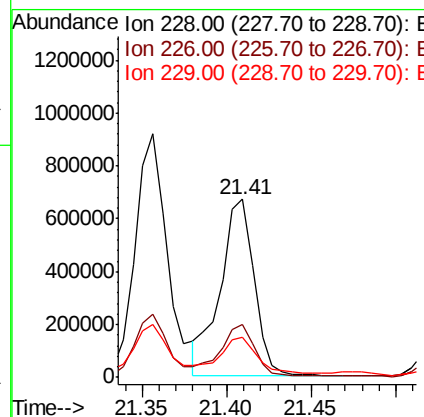
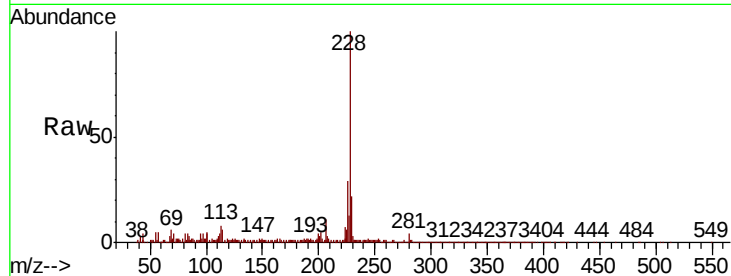
#83
Chrysene
Concen: 19.000 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

Instrument :
BNA_M
ClientSampleId :
SB-2(24-27)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	22.2	15.5	23.3

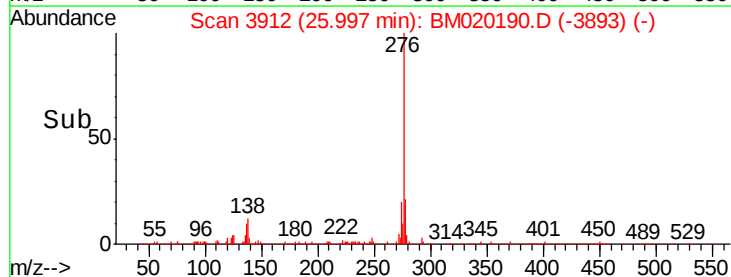
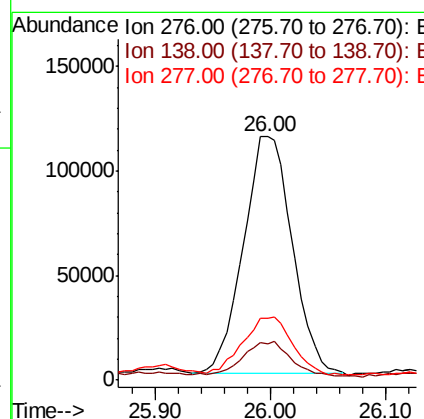
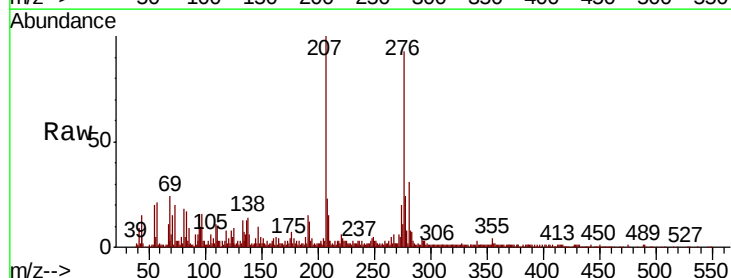
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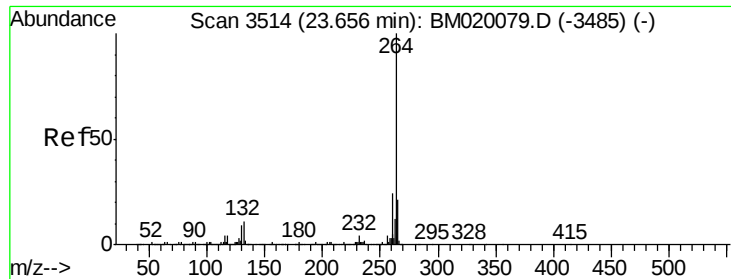
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.710 ng
RT: 26.00 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM020190.D
Acq: 08 May 2019 09:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.3	0.0	0.0#
277	25.0	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

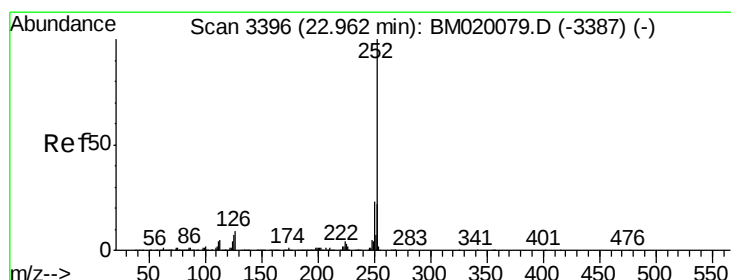
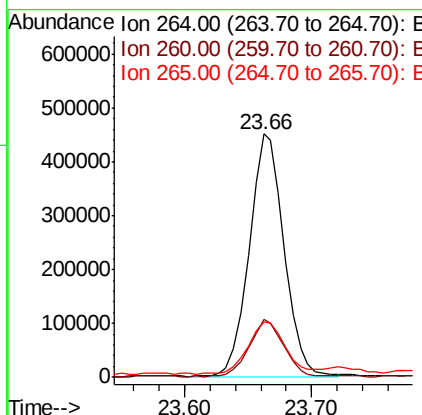
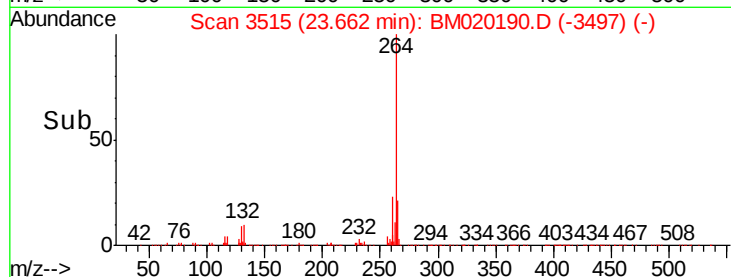
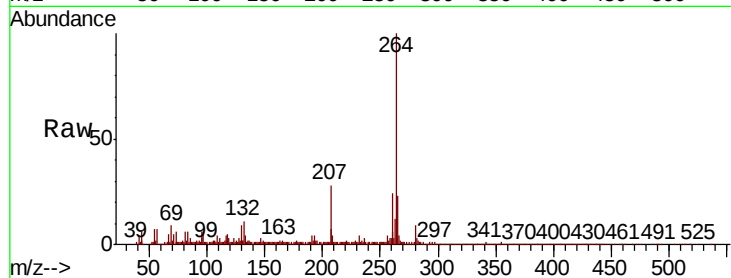
ClientSampleId :

SB-2(24-27)DL

Tot Ion:	264	Resp:	857104
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.5	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 19.565 ng

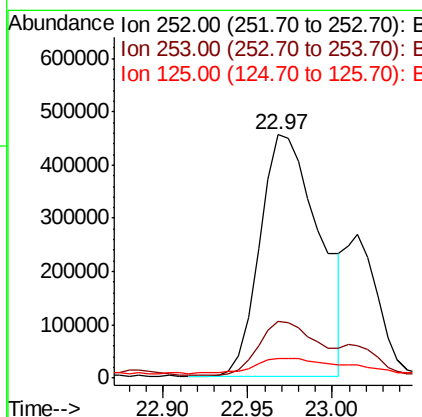
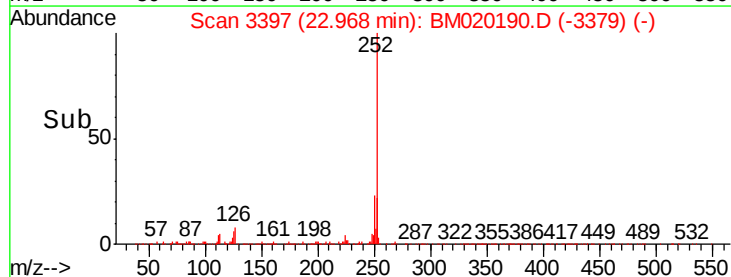
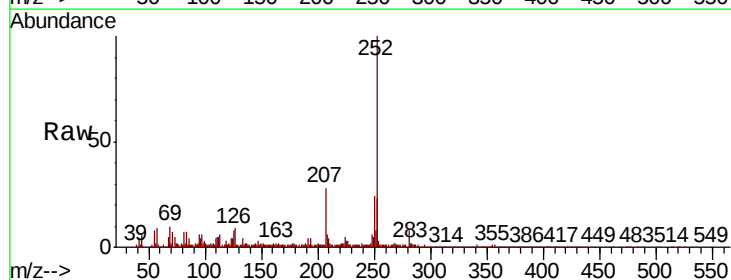
RT: 22.97 min Scan# 3397

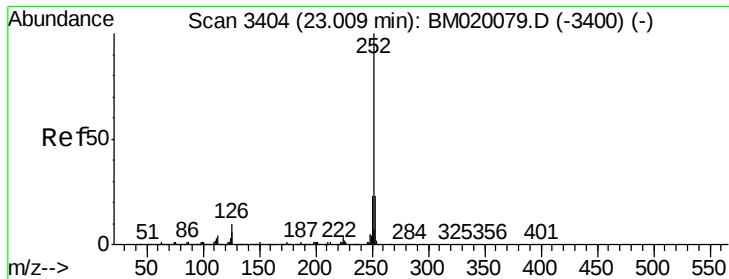
Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tgt Ion:	252	Resp:	1107356
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	8.2	5.4	8.2#





#89

Benzo(k)fluoranthene

Concen: 7.244 ng m

RT: 23.02 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Instrument :

BNA_M

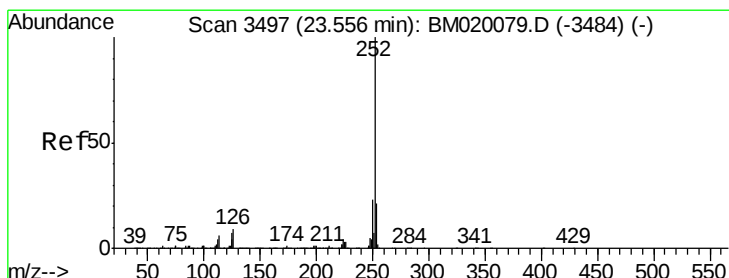
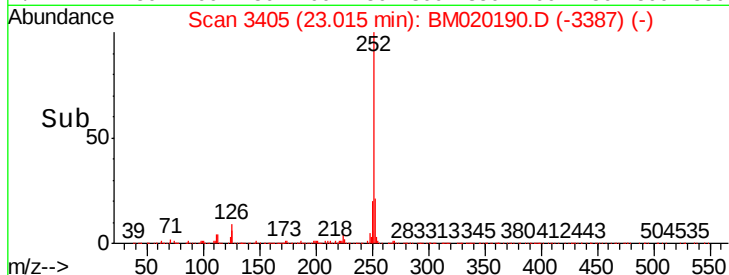
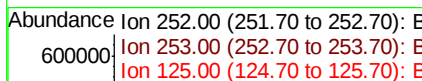
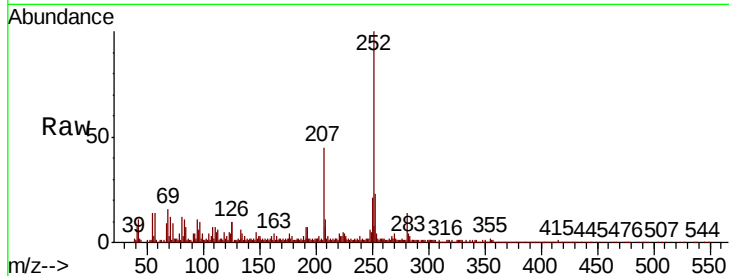
ClientSampleId :

SB-2(24-27)DL

Tot Ion:	252	Resp:	373971
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	9.6	5.4	8.0#

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#90

Benzo(a)pyrene

Concen: 15.178 ng

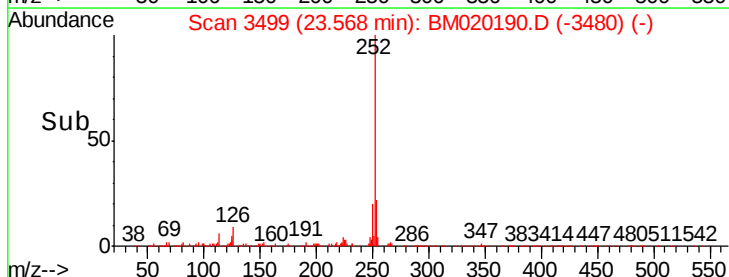
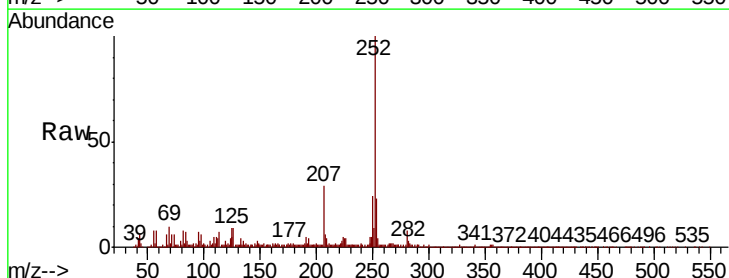
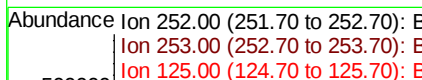
RT: 23.57 min Scan# 3499

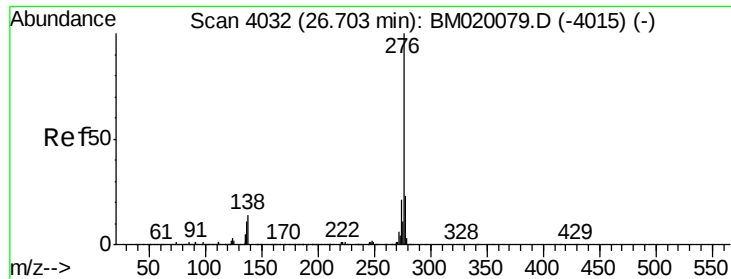
Delta R.T. 0.01 min

Lab File: BM020190.D

Acq: 08 May 2019 09:32

Tgt Ion:	252	Resp:	780291
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	9.2	5.5	8.3#





#92
 Benzo(a,h,i)perylene
 Concen: 5.627 ng
 RT: 26.71 min Scan# 4034
 Delta R.T. 0.01 min
 Lab File: BM020190.D
 Acq: 08 May 2019 09:32

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(24-27)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	18.4	27.6#
138	13.0	11.1	16.7

Manual Integrations
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