

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020161.D
 Acq On : 07 May 2019 09:26
 Operator : JU/SJ
 Sample : K2672-14 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-07-COMP

Manual Integrations
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Quant Time: May 07 11:37:08 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	7.80	152	206642	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	781023	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	416539	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	880217	20.00	ng	0.01
76) Chrysene-d12	21.37	240	859188	20.00	ng	0.00
87) Perylene-d12	23.67	264	1027720	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	116406	9.21	ng	0.00
7) Phenol-d6	6.96	99	171847	9.95	ng	0.01
23) Nitrobenzene-d5	8.96	82	99943	5.05	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	51633	7.99	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	202678	5.99	ng	0.00
79) Terphenyl-d14	19.81	244	259927	5.28	ng	0.00
Target Compounds						
71) Phenanthrene	17.23	178	143934	2.962	ng	96
75) Fluoranthene	19.25	202	336717	5.477	ng	98
78) Pyrene	19.61	202	317226	5.499	ng	98
81) Benzo(a)anthracene	21.36	228	203334m	3.375	ng	
83) Chrysene	21.41	228	178392	3.053	ng	94
86) Indeno(1,2,3-cd)pyrene	26.00	276	158130	2.275	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	299644m	4.415	ng	
90) Benzo(a)pyrene	23.57	252	221999	3.601	ng	# 91
92) Benzo(g,h,i)perylene	26.73	276	179532	2.950	ng	# 87

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

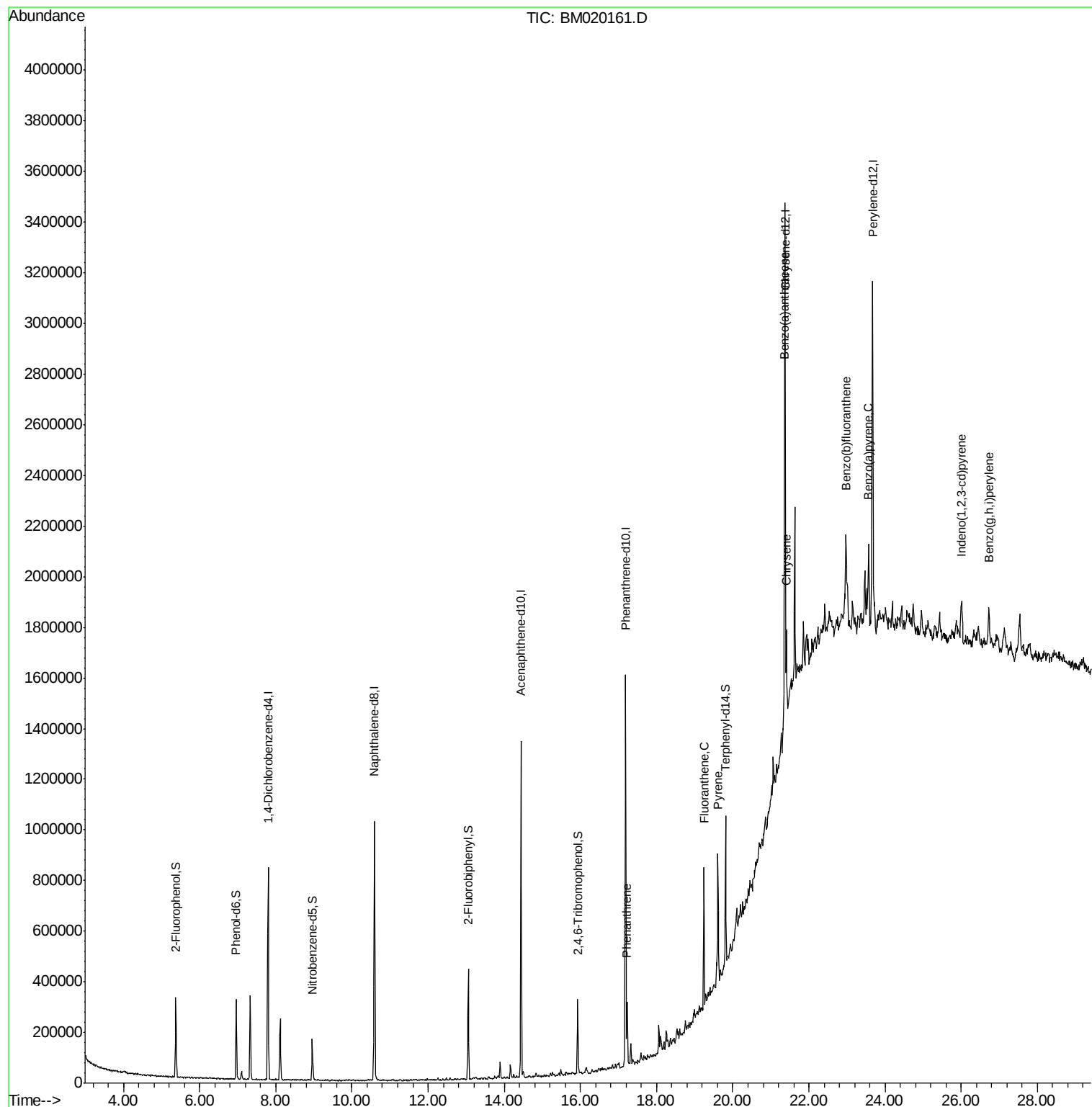
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
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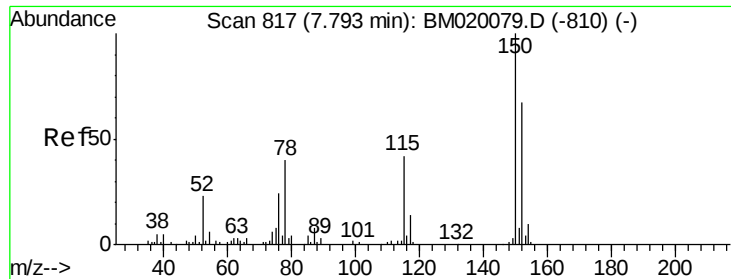
Instrument :
BNA_M
ClientSampleId :
SB-07-COMP

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#1

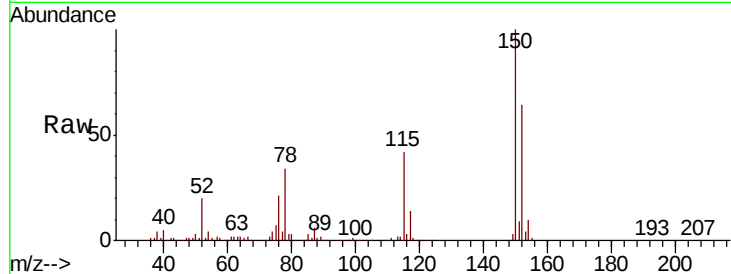
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :
SB-07-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	119.8	179.8
115	65.0	50.8	76.2

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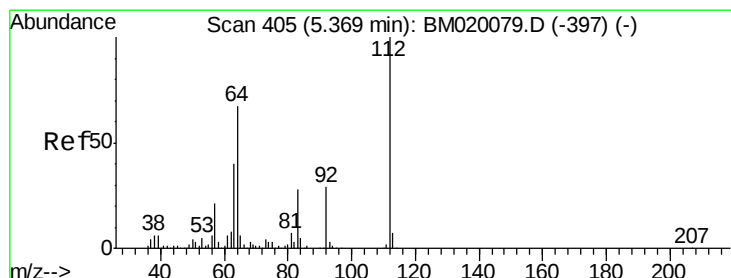
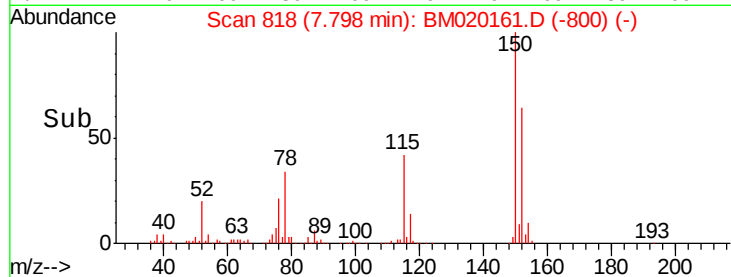
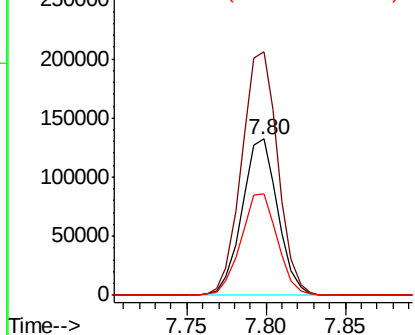


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

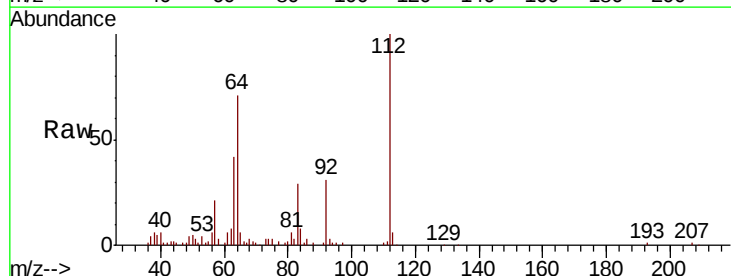
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.208 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.2	53.8	80.6
63	42.1	32.3	48.5

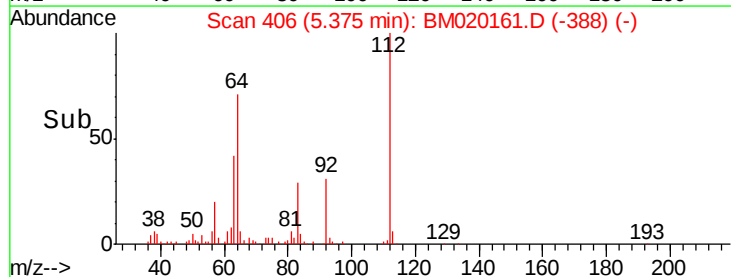
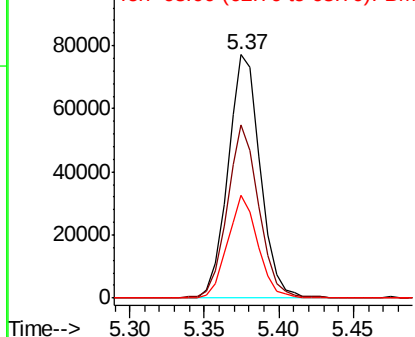


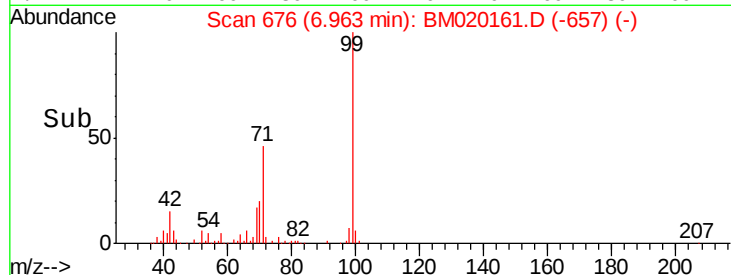
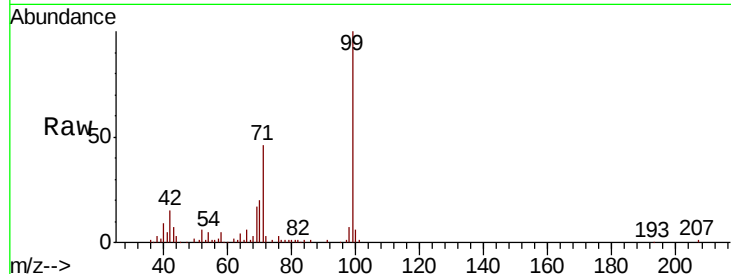
Abundance

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: 9.950 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tot Ion:	99	Resp:	171847
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.2	21.2
71	46.3	40.3	60.5

Instrument :

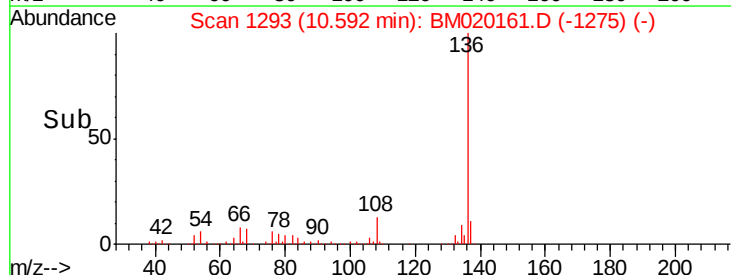
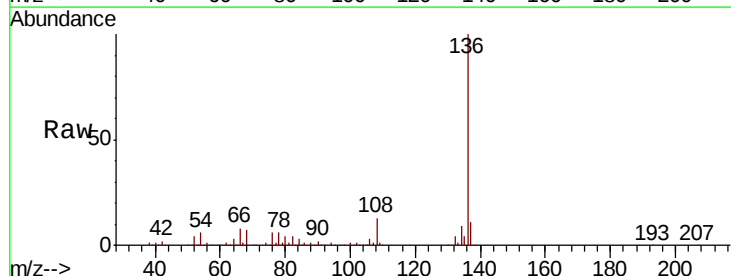
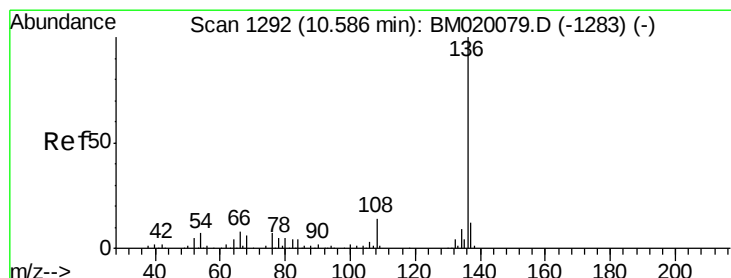
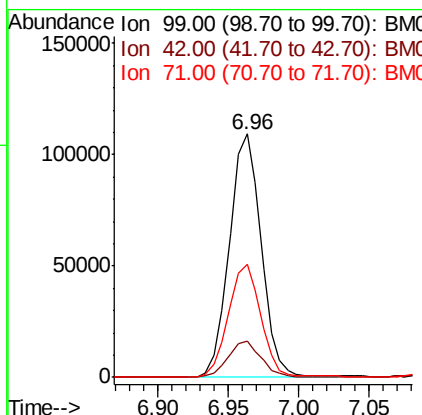
BNA_M

ClientSampled :

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#21

Naphthalene-d8

Concen: 20.000 ng

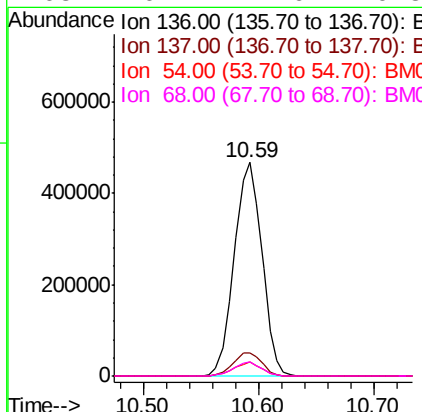
RT: 10.59 min Scan# 1293

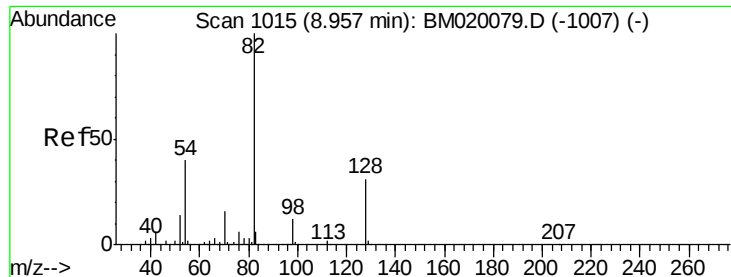
Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion:	136	Resp:	781023
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.6	14.4
54	6.3	5.5	8.3
68	6.7	4.6	6.8





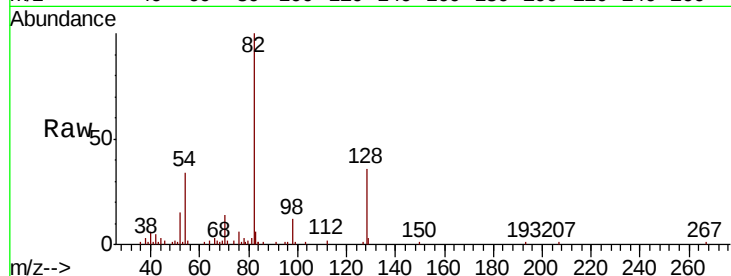
#23
Nitrobenzene-d5
Concen: 5.052 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :
SB-07-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	25.2	37.8
54	33.9	31.9	47.9

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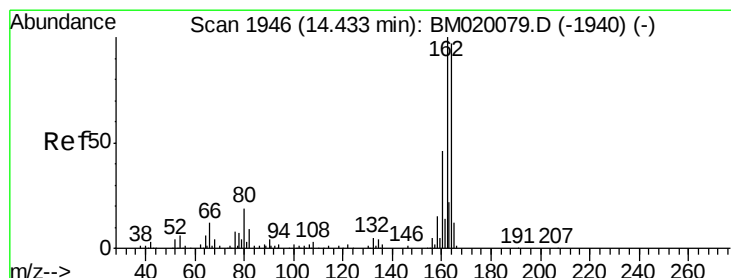
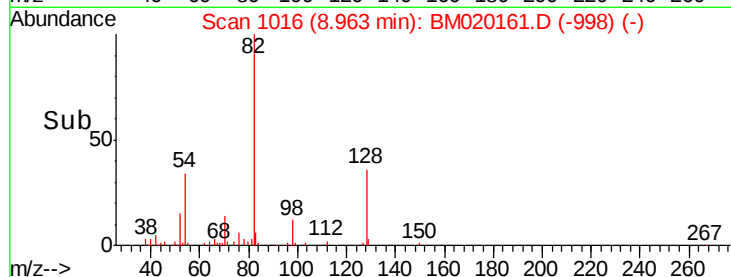
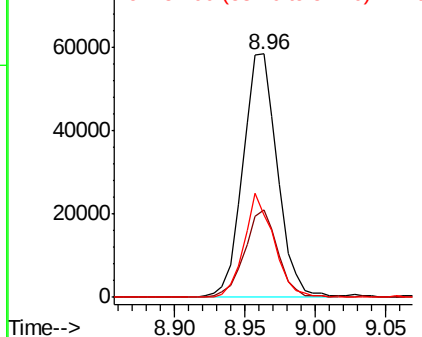


Abundance

Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1007) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

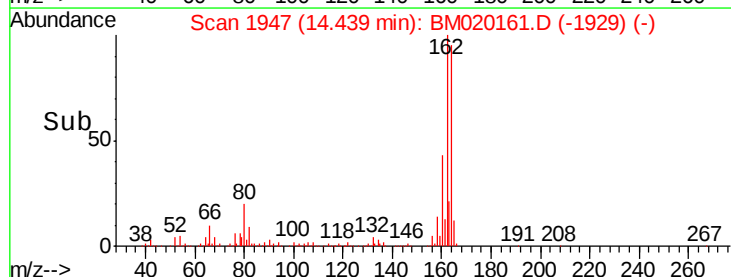
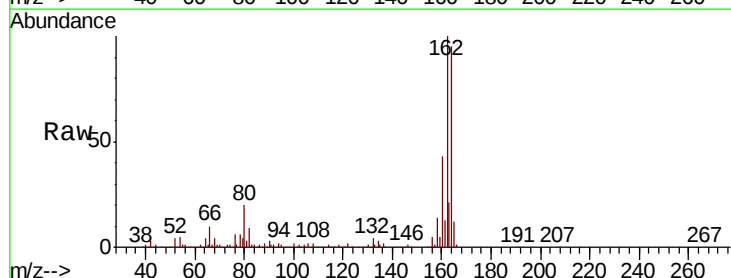
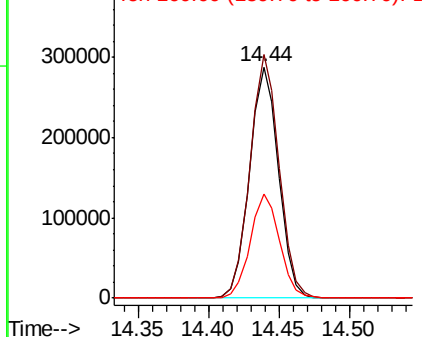
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.2
160	45.0	37.6	56.4

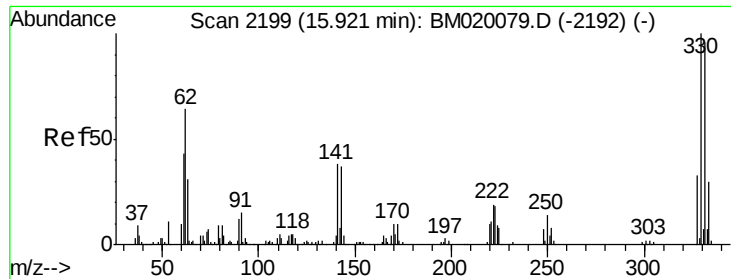
Abundance

Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)

Ion 162.00 (161.70 to 162.70): BM020079.D (-1940) (-)

Ion 160.00 (159.70 to 160.70): BM020079.D (-1940) (-)





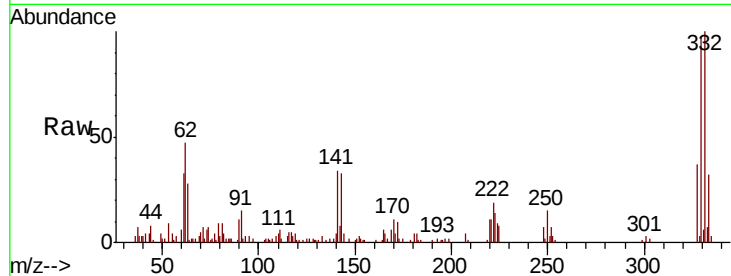
#42
 2,4,6-Tribromophenol
 Concen: 7.986 ng
 RT: 15.93 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Instrument :
 BNA_M
 ClientSampleId :
 SB-07-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.8	115.2	
141	36.0	29.2	43.8	

Manual Integrations
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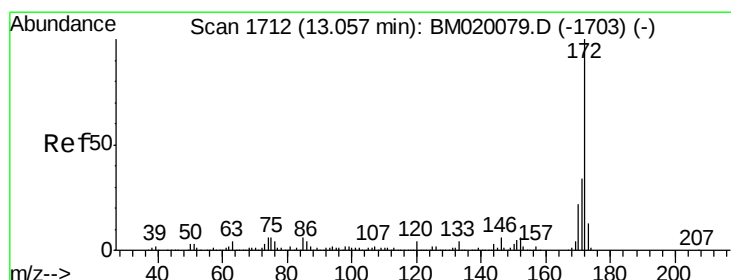
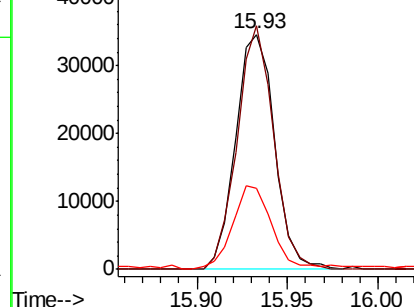
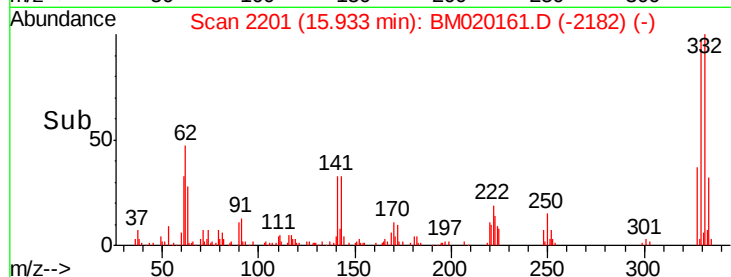


Abundance

Ion 329.80 (329.50 to 330.50): E

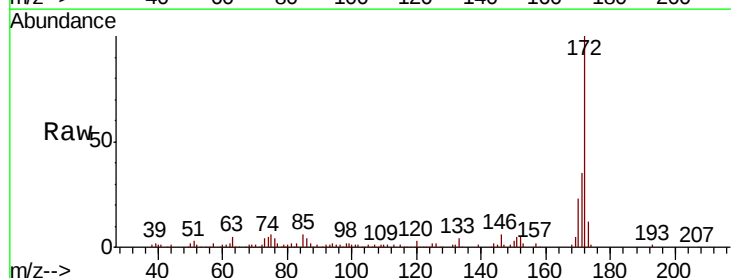
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 5.987 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	27.3	40.9	
170	23.3	17.9	26.9	

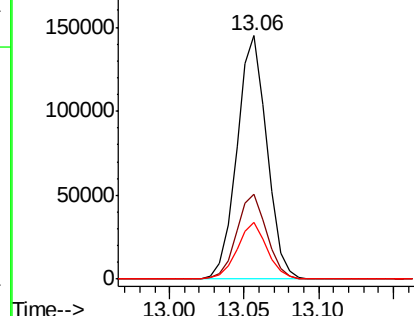
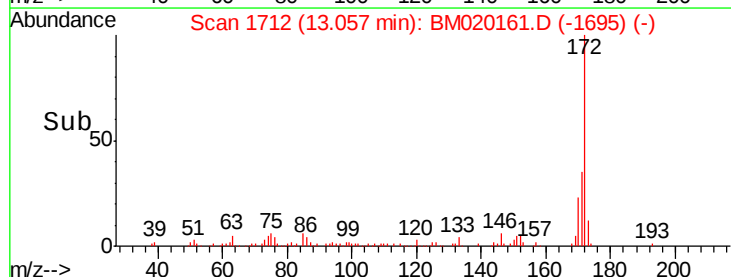


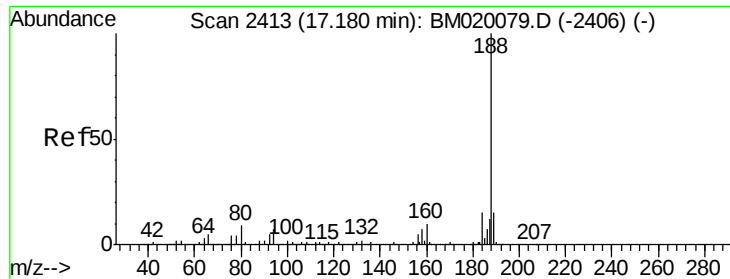
Abundance

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





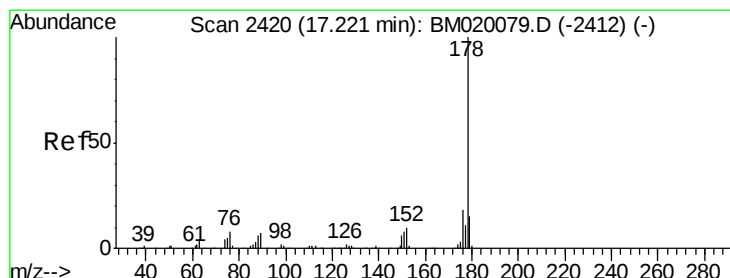
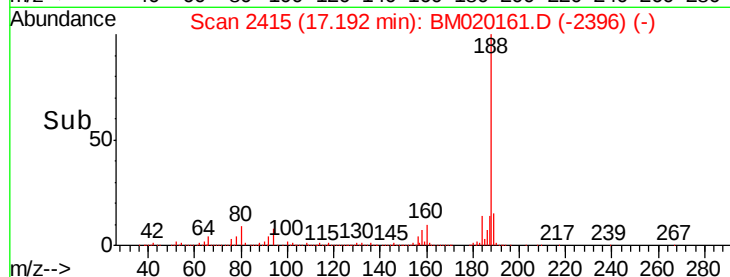
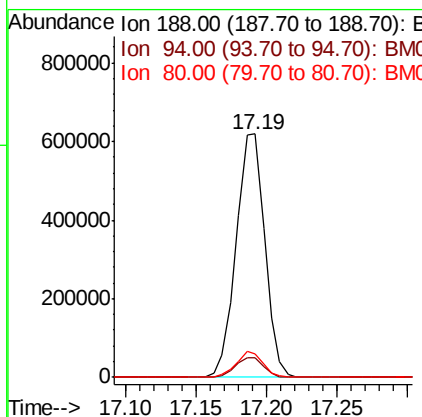
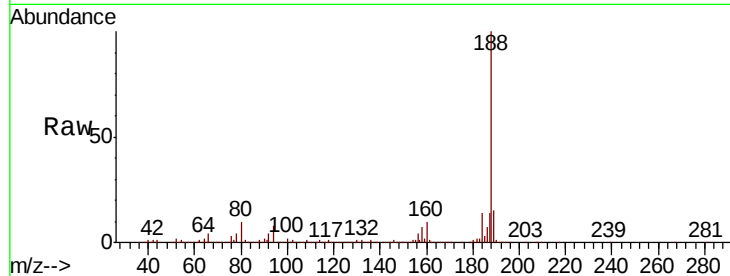
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :
SB-07-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	880217		
94	7.8		5.8	8.6
80	9.5		7.4	11.2

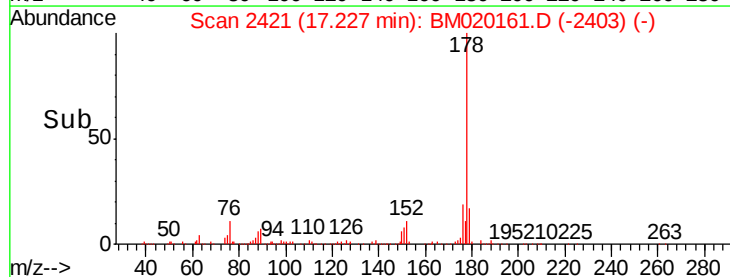
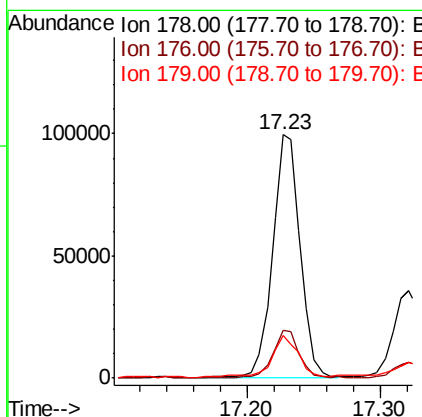
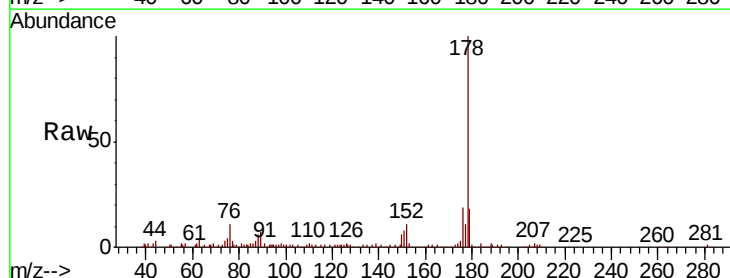
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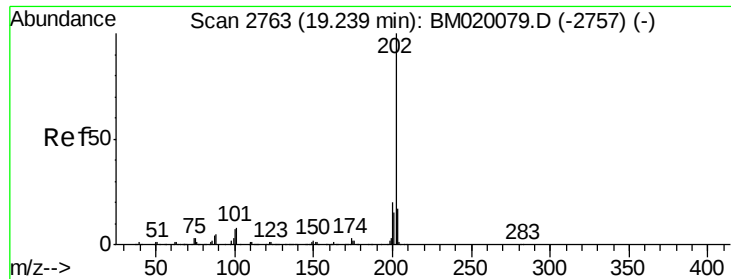
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#71
Phenanthrene
Concen: 2.962 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	143934		
176	19.5		14.6	21.8
179	17.5		12.4	18.6





#75

Fluoranthene

Concen: 5.477 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

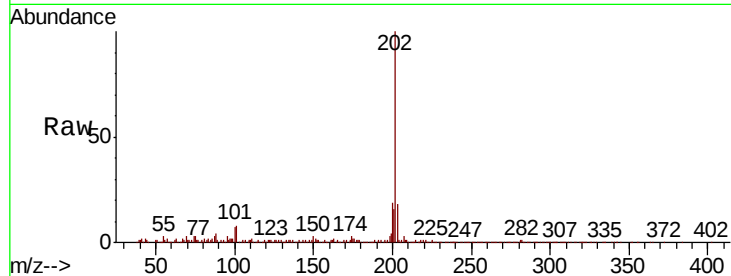
ClientSampleId :

SB-07-COMP

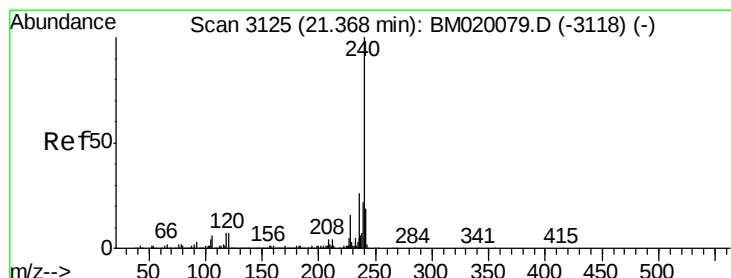
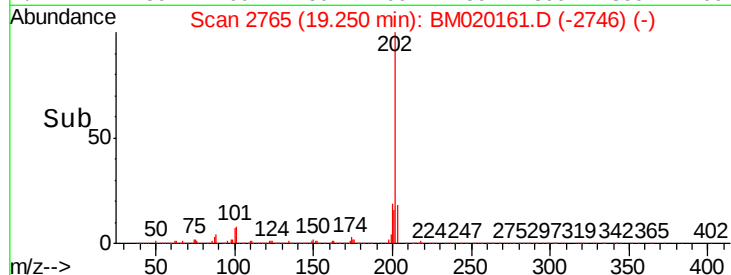
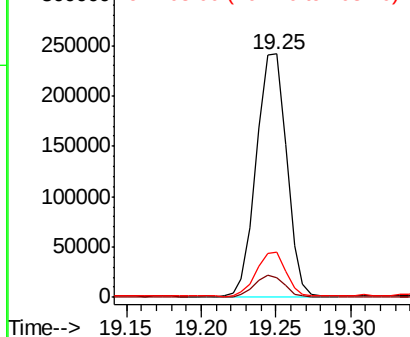
Tot Ion:	202	Resp:	336717
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	28.4
203	18.5	0.0	37.4

Manual Integrations
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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: 21.37 min Scan# 3126

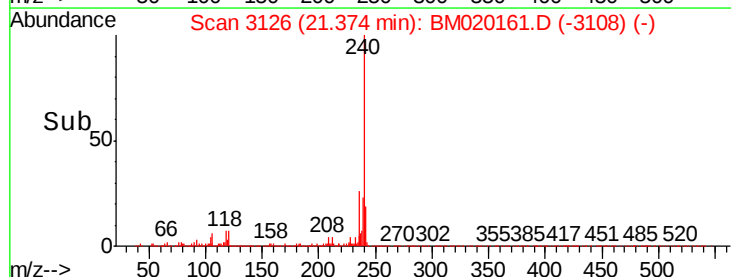
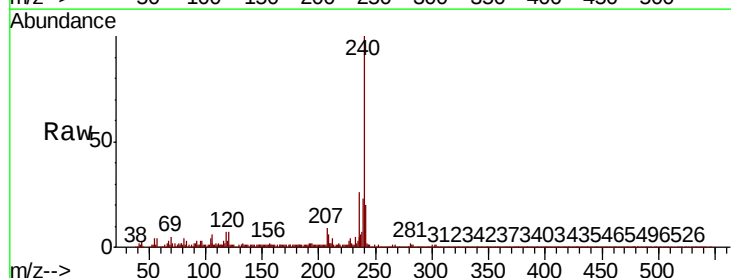
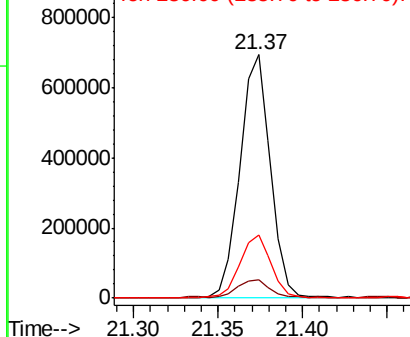
Delta R.T. 0.01 min

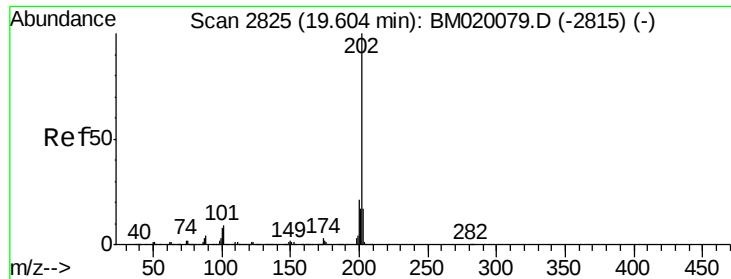
Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion:	240	Resp:	859188
Ion Ratio	Lower	Upper	
240	100		
120	7.4	5.6	8.4
236	26.0	20.9	31.3

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

Pvrene

Concen: 5.499 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

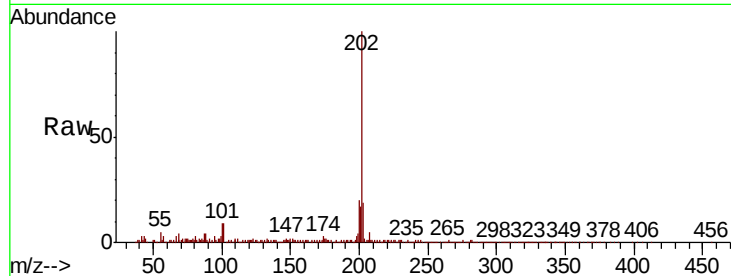
ClientSampleId :

SB-07-COMP

Tot Ion:	202	Resp:	317226
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.5	24.7
203	18.8	13.9	20.9

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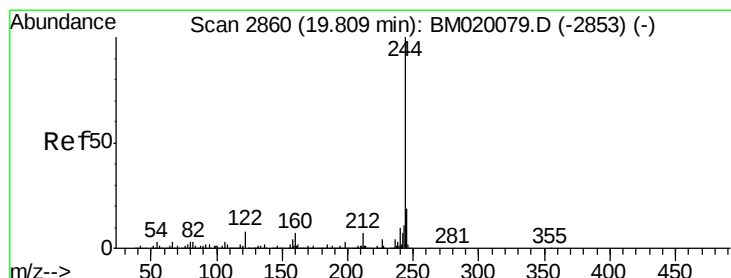
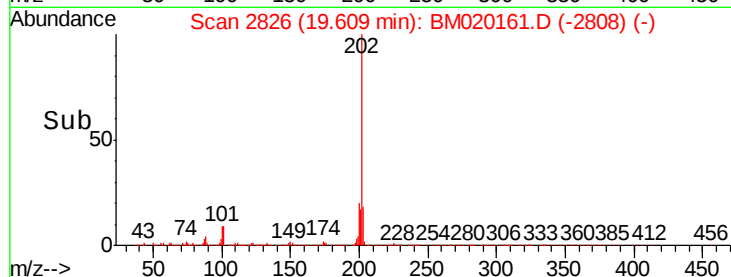
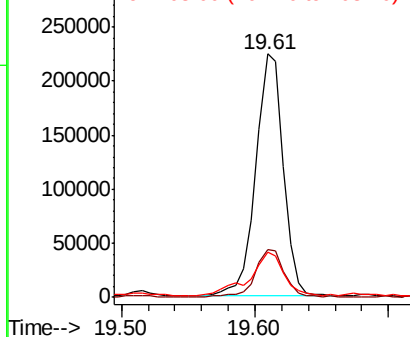


Abundance

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: 5.277 ng

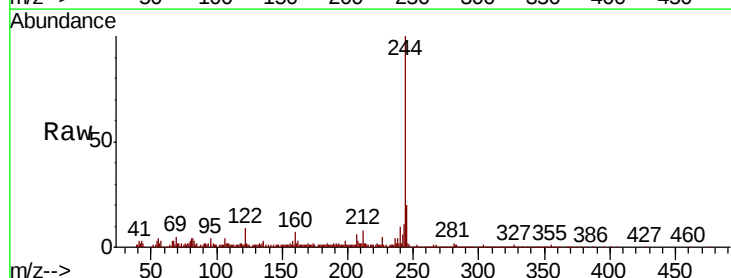
RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion:	244	Resp:	259927
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.7	8.5
122	8.6	6.2	9.2

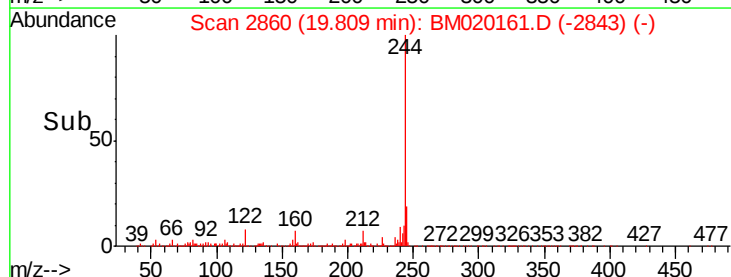
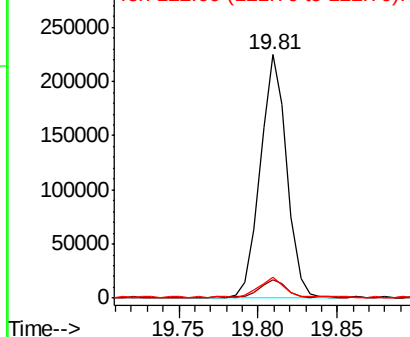


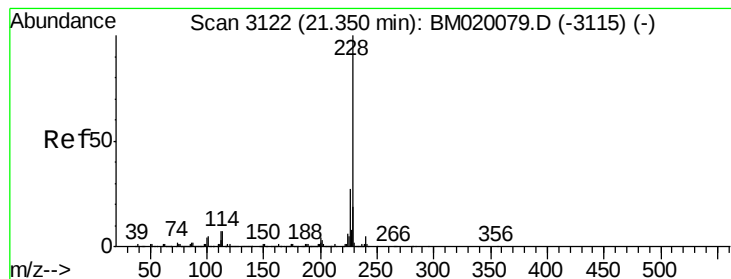
Abundance

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: 3.375 ng m

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

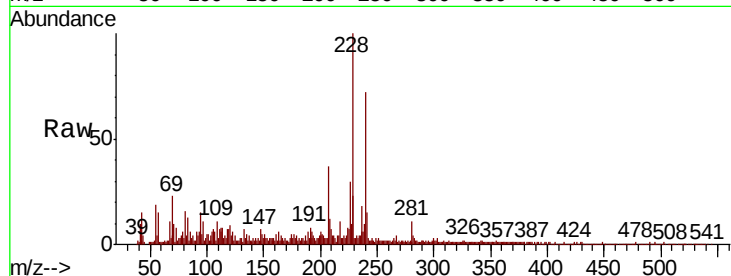
ClientSampleId :

SB-07-COMP

Tot Ion:	228	Resp:	203334
Ion Ratio	Lower	Upper	
228	100		
226	29.9	21.3	31.9
229	23.3	15.5	23.3#

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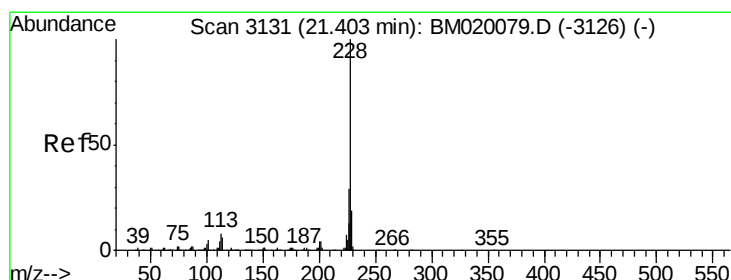
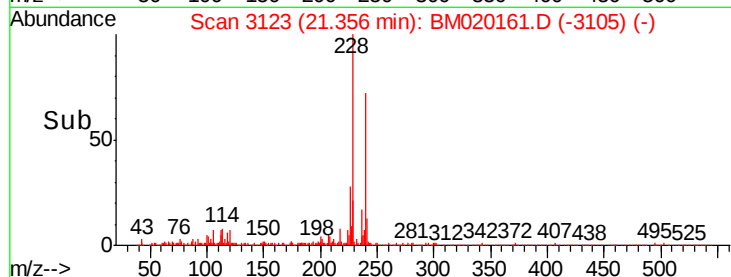
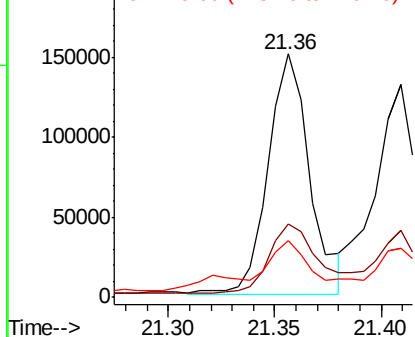


Abundance

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: 3.053 ng

RT: 21.41 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

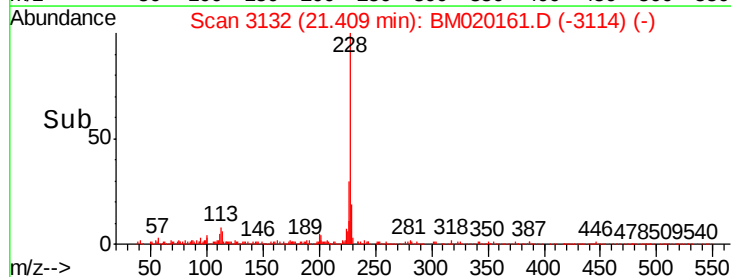
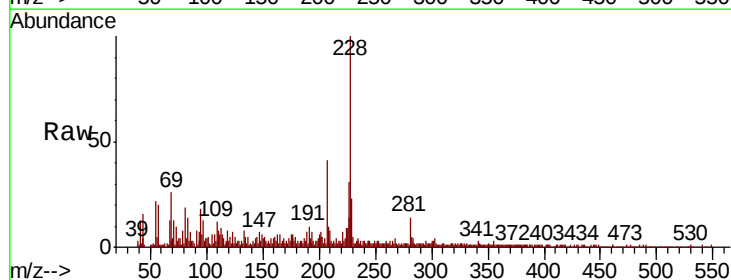
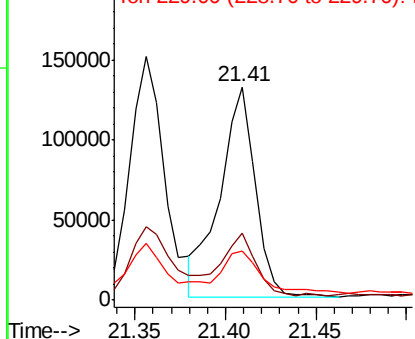
Tgt Ion:	228	Resp:	178392
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.0	34.6
229	23.0	15.5	23.3

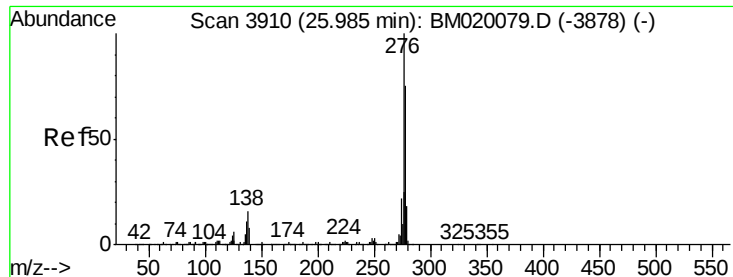
Abundance

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





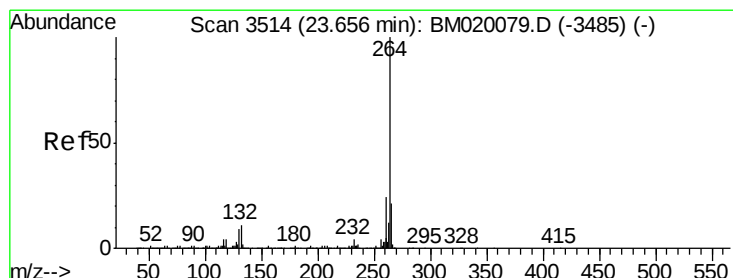
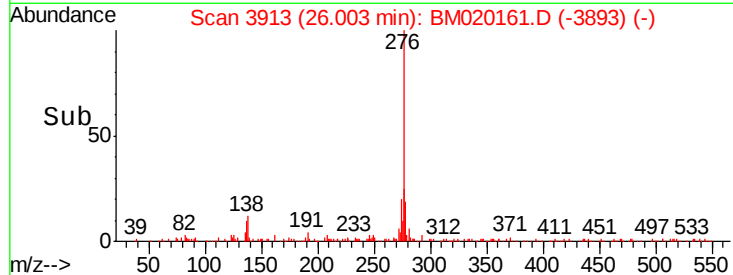
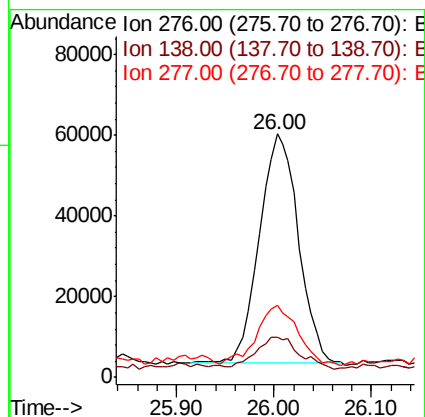
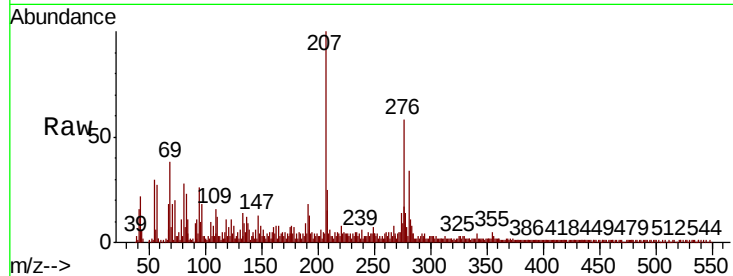
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.275 ng
RT: 26.00 min Scan# 3913
Delta R.T. 0.02 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Instrument :
BNA_M
ClientSampleId :
SB-07-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	15.8	0.0	0.0#
277	28.0	0.0	0.0#

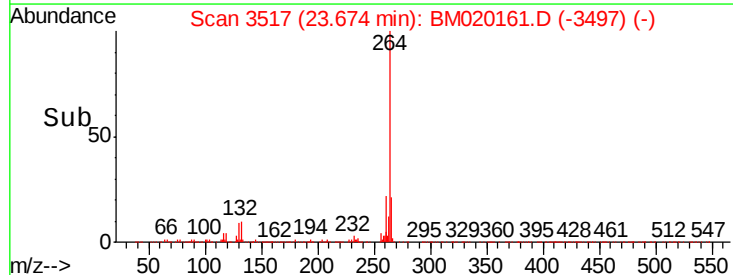
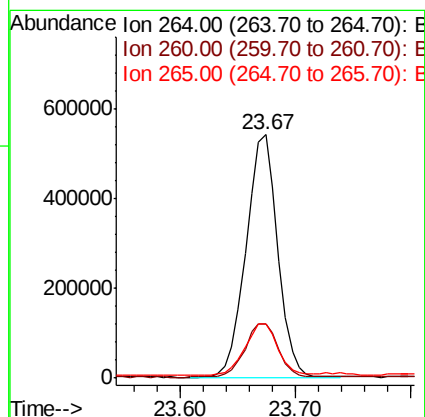
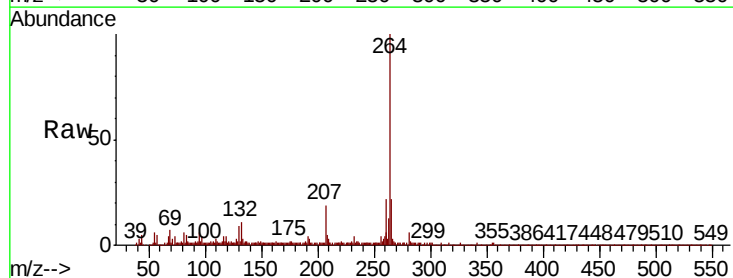
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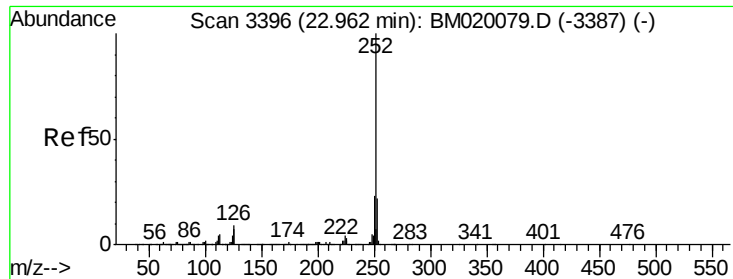
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.67 min Scan# 3517
Delta R.T. 0.02 min
Lab File: BM020161.D
Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.1	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 4.415 ng m

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Instrument :

BNA_M

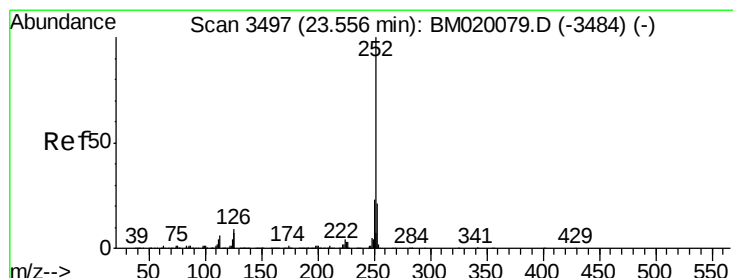
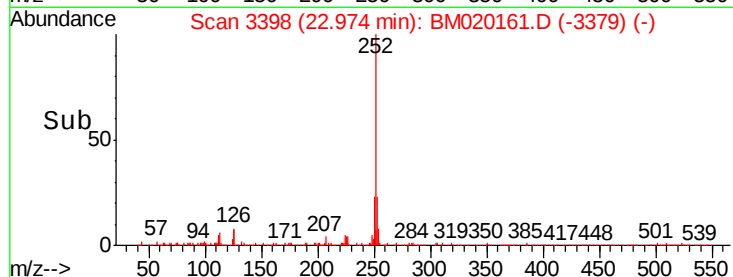
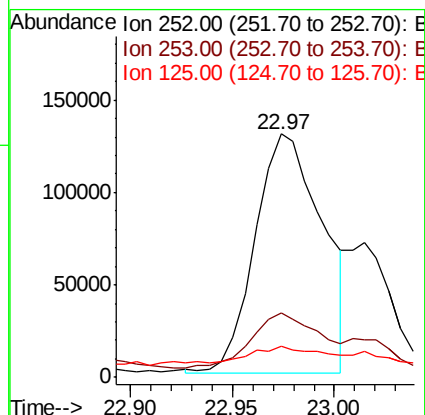
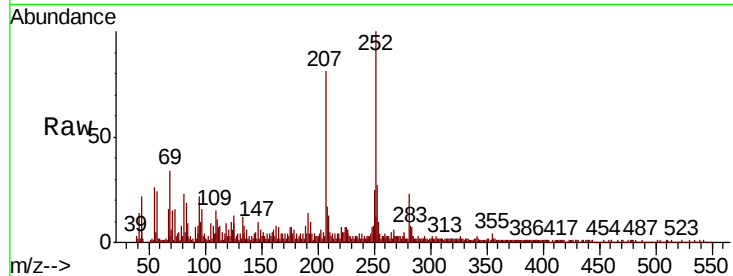
ClientSampleId :

SB-07-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	12.6	5.4	8.2#

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#90

Benzo(a)pyrene

Concen: 3.601 ng

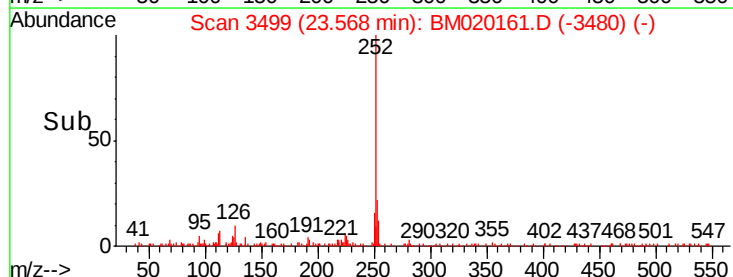
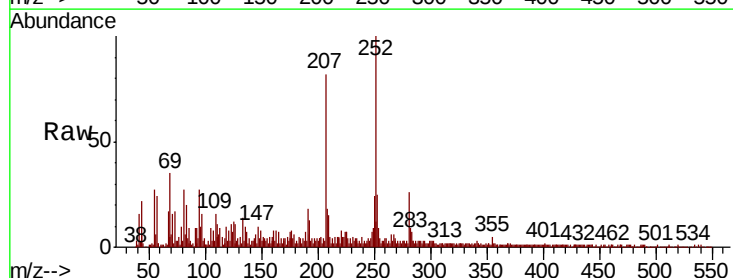
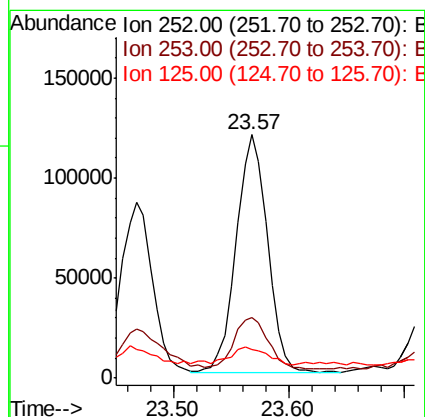
RT: 23.57 min Scan# 3499

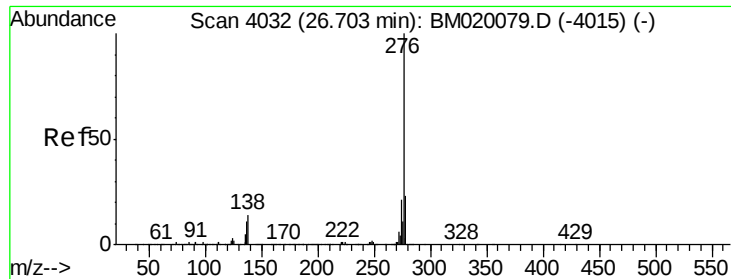
Delta R.T. 0.01 min

Lab File: BM020161.D

Acq: 07 May 2019 09:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	11.8	5.5	8.3#





#92
 Benzo(a,h,i)perylene
 Concen: 2.950 ng
 RT: 26.73 min Scan# 4036
 Delta R.T. 0.02 min
 Lab File: BM020161.D
 Acq: 07 May 2019 09:26

Instrument :
 BNA_M
 ClientSampleId :
 SB-07-COMP

Tot Ion:	276	Resp:	179532
Ion Ratio	Lower	Upper	
276	100		
277	29.8	18.4	27.6#
138	18.4	11.1	16.7#

Manual Integrations
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