

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020166.D
 Acq On : 07 May 2019 12:28
 Operator : JU/SJ
 Sample : K2672-12 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-06-COMP

Manual Integrations
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mohammad
 5/7/2019 3:12:30 PM

Quant Time: May 07 13:18:35 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	210392	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	753558	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	415140	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	942258	20.00	ng	0.01
76) Chrysene-d12	21.37	240	932461	20.00	ng	0.00
87) Perylene-d12	23.68	264	1082336	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	120581	9.37	ng	0.00
7) Phenol-d6	6.96	99	168245	9.57	ng	0.01
23) Nitrobenzene-d5	8.96	82	96716	5.07	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	56845	8.82	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	195007	5.78	ng	0.00
79) Terphenyl-d14	19.81	244	273331	5.11	ng	0.00
Target Compounds						
75) Fluoranthene	19.25	202	395004	6.002	ng	99
78) Pyrene	19.62	202	392103	6.263	ng	99
81) Benzo(a)anthracene	21.36	228	293561	4.489	ng	97
83) Chrysene	21.41	228	270292m	4.262	ng	
86) Indeno(1,2,3-cd)pyrene	26.01	276	278081	3.686	ng	# 100
88) Benzo(b)fluoranthene	22.98	252	490616m	6.864	ng	
89) Benzo(k)fluoranthene	23.02	252	169159m	2.595	ng	
90) Benzo(a)pyrene	23.57	252	365237	5.626	ng	# 93
92) Benzo(g,h,i)perylene	26.73	276	261218	4.075	ng	# 91

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

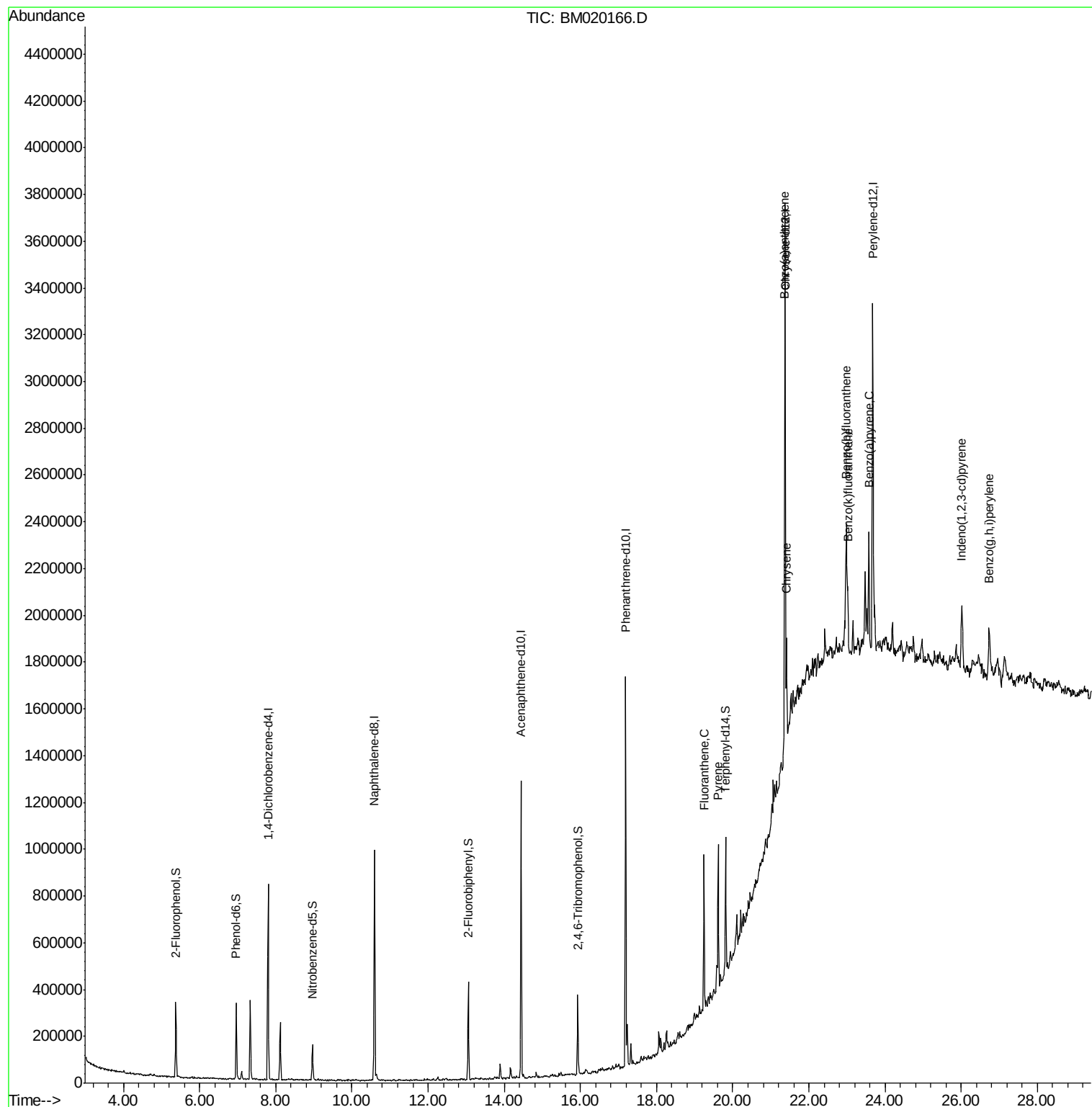
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020166.D
Acq On : 07 May 2019 12:28
Operator : JU/SJ
Sample : K2672-12 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

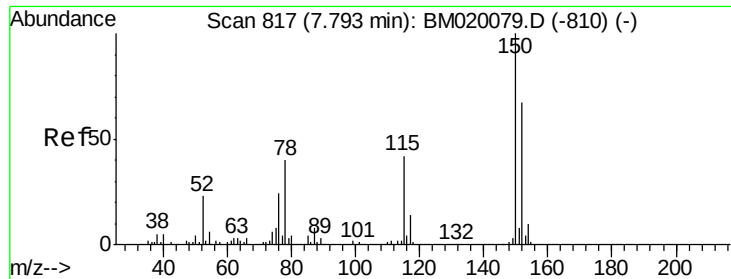
Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

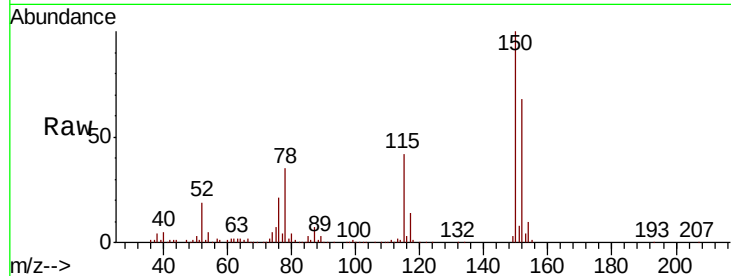
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampled :
SB-06-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	210392		
150	146.1	119.8	179.8	
115	61.5	50.8	76.2	

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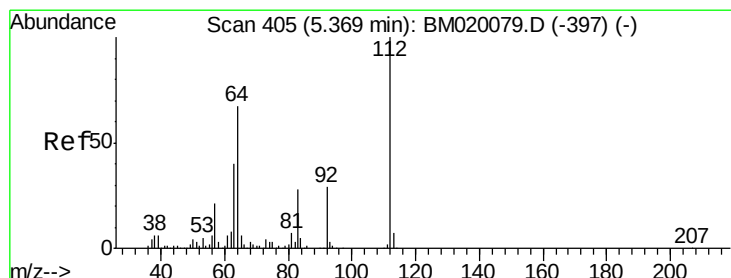
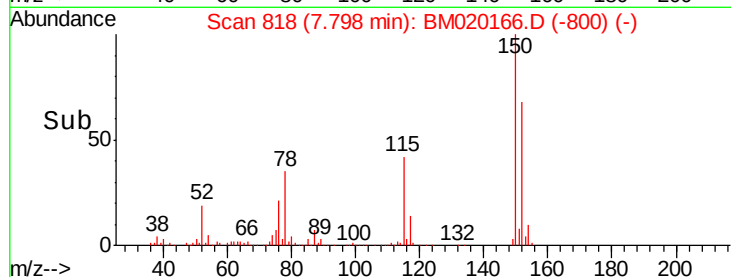
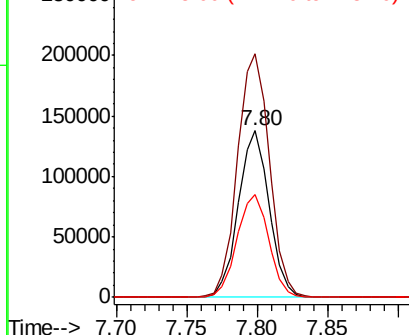


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

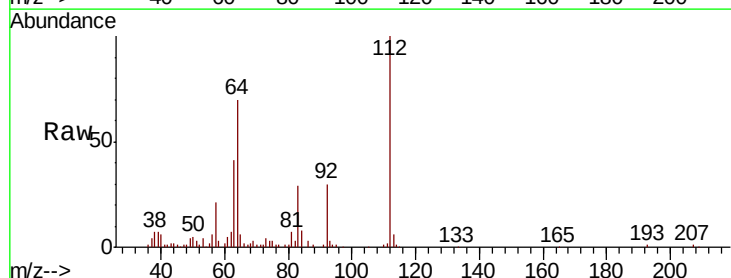
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.368 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	120581		
64	70.4	53.8	80.6	
63	41.3	32.3	48.5	

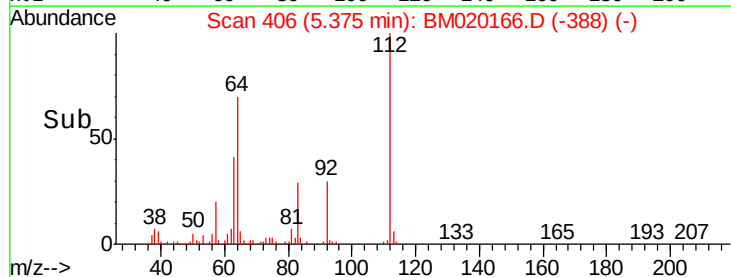
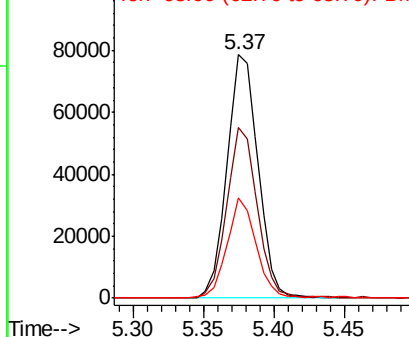


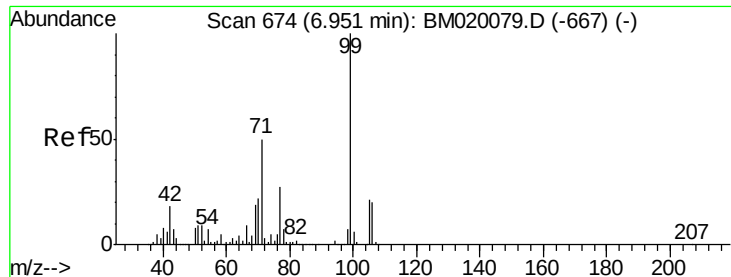
Abundance

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: 9.568 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020166.D

Acq: 07 May 2019 12:28

Instrument :

BNA_M

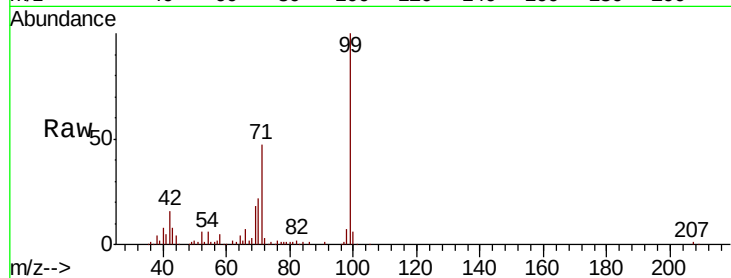
ClientSampled :

SB-06-COMP

Tot Ion:	99	Resp:	168245
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.2	21.2
71	47.0	40.3	60.5

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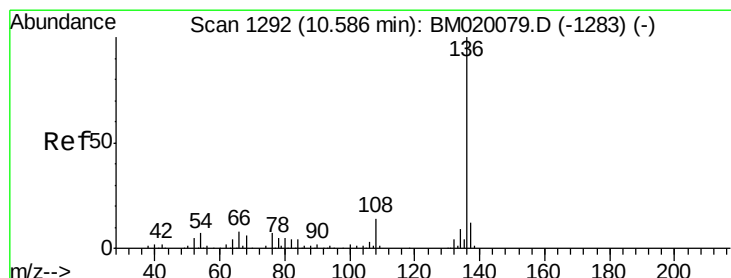
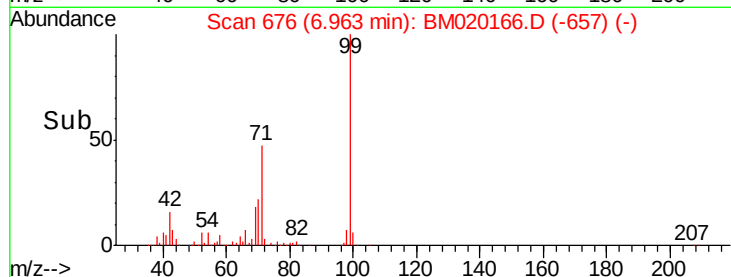
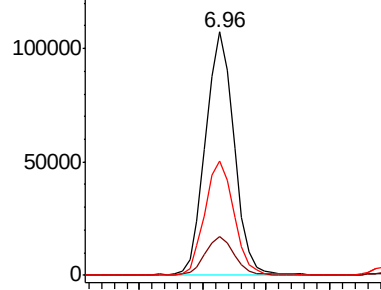


Abundance

Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BM020166.D

Acq: 07 May 2019 12:28

Tgt Ion:	136	Resp:	753558
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.6	14.4
54	6.8	5.5	8.3
68	6.3	4.6	6.8

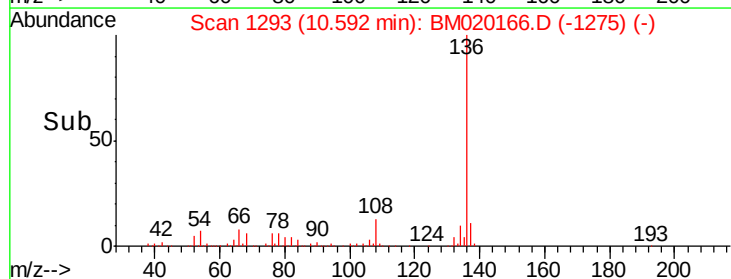
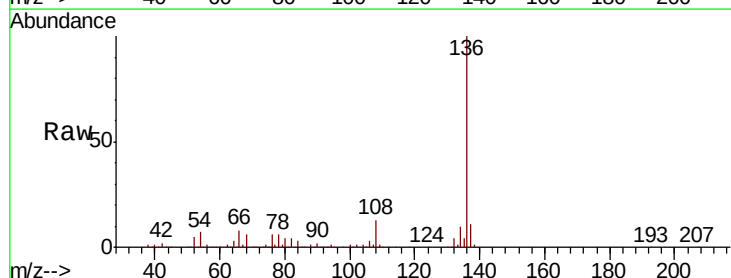
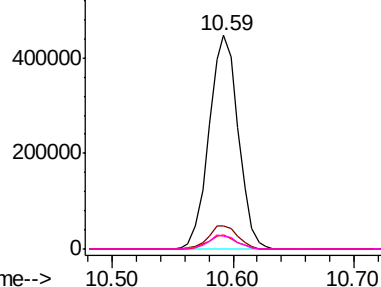
Abundance

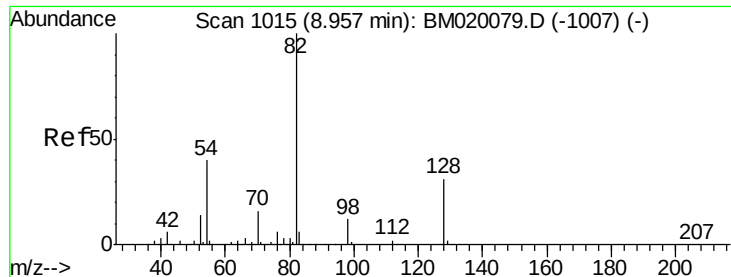
Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)





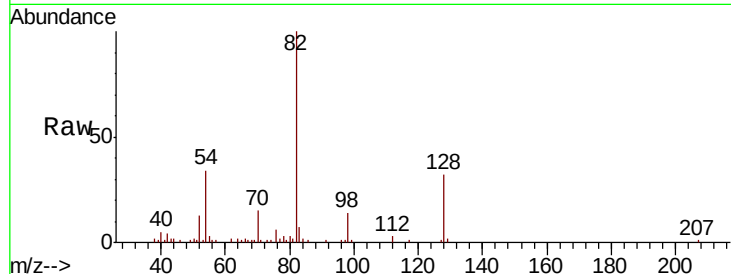
#23
Nitrobenzene-d5
Concen: 5.067 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	31.8	25.2	37.8
54	34.0	31.9	47.9

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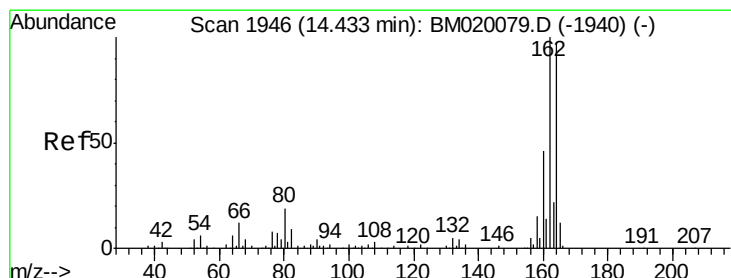
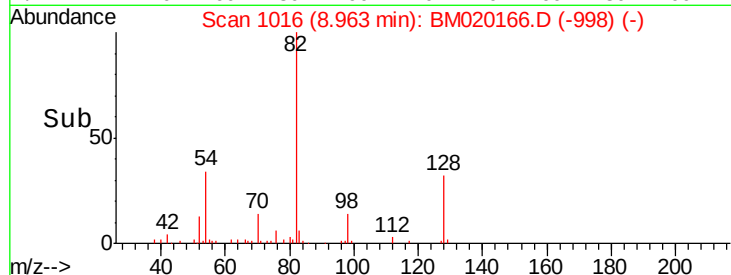
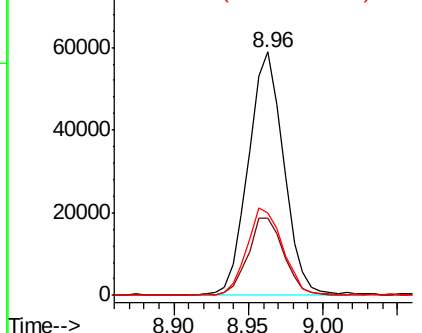


Abundance

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: BM020166.D
Acq: 07 May 2019 12:28

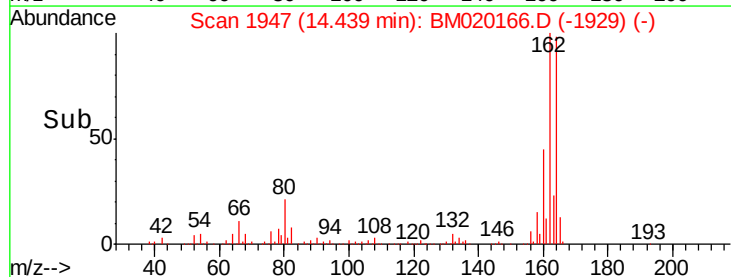
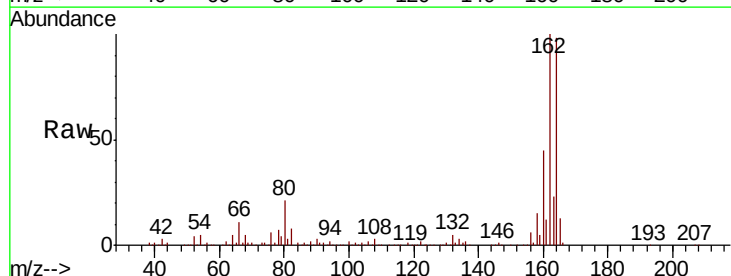
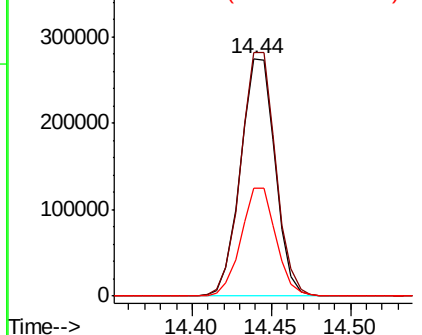
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	45.6	37.6	56.4

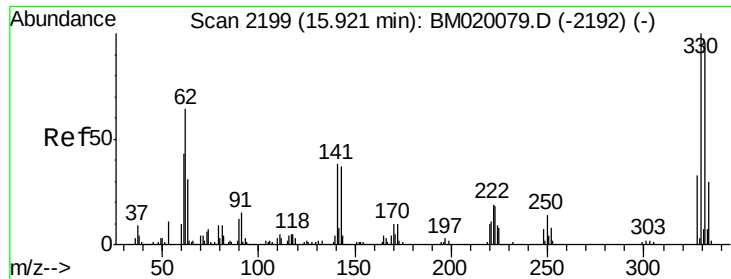
Abundance

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) (-)





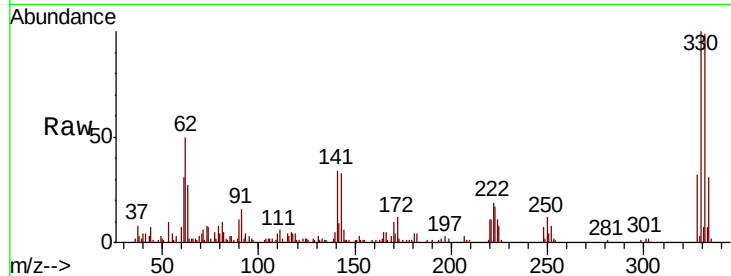
#42
2,4,6-Tribromophenol
Concen: 8.822 ng
RT: 15.93 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampled :
SB-06-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.8	115.2
141	35.3	29.2	43.8

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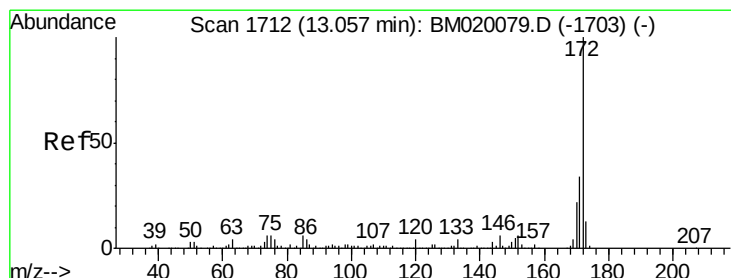
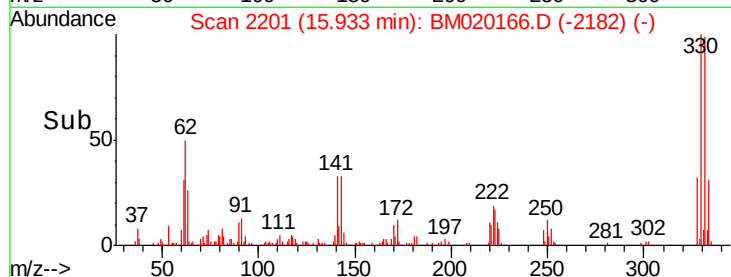
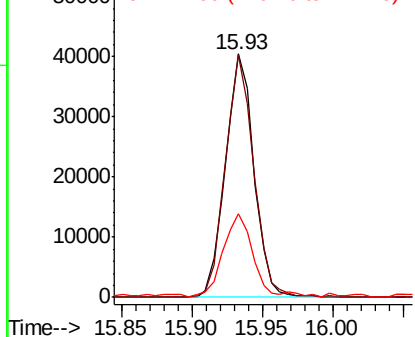


Abundance

Ion 329.80 (329.50 to 330.50): E

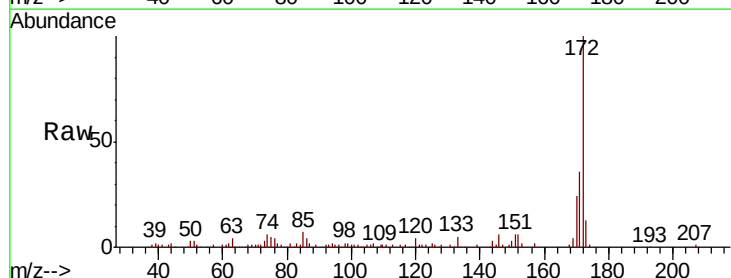
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 5.779 ng
RT: 13.06 min Scan# 1712
Delta R.T. -0.00 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.3	40.9
170	24.0	17.9	26.9

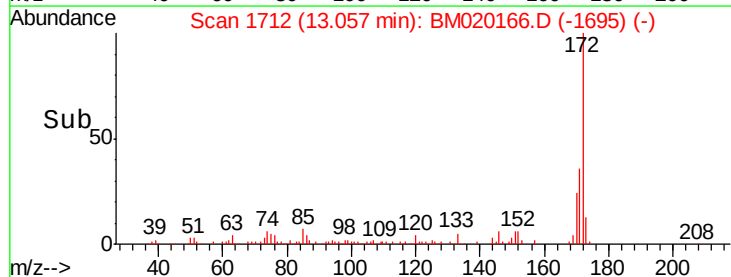
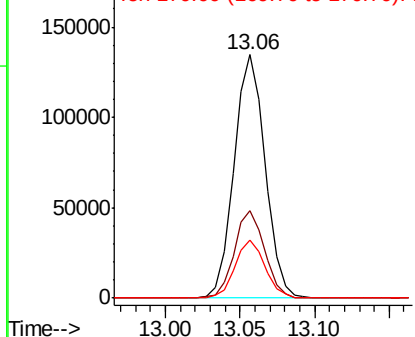


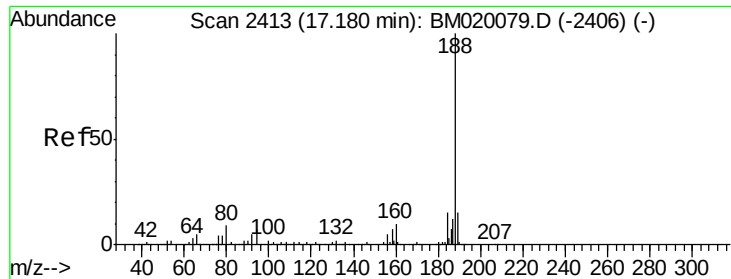
Abundance

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





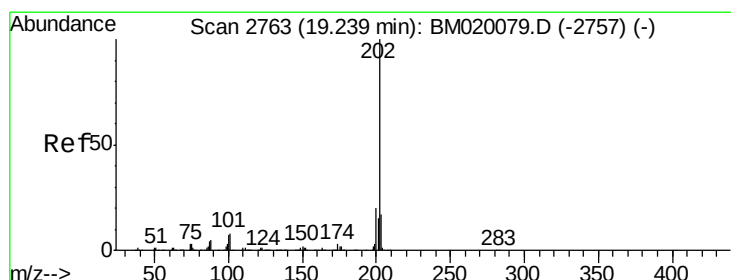
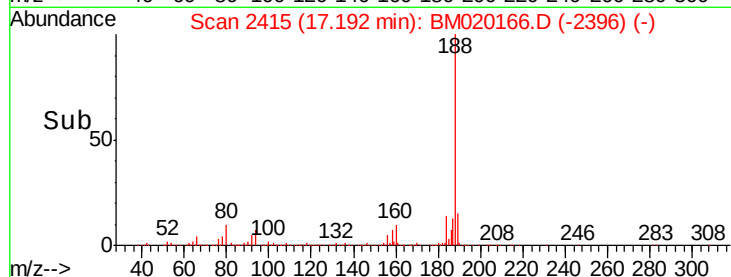
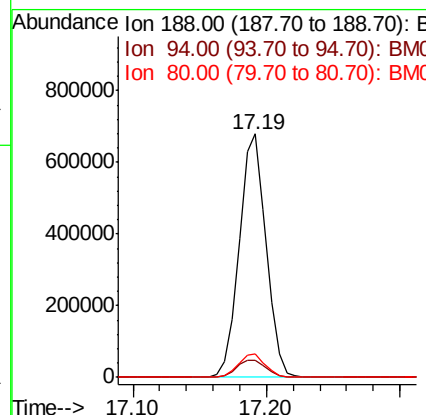
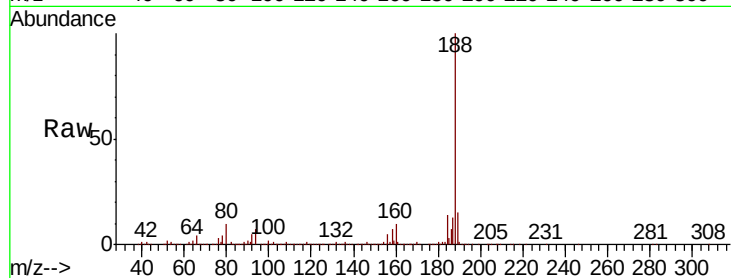
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

Tot Ion:	188	Resp:	942258
Ion Ratio	Lower	Upper	
188	100		
94	6.8	5.8	8.6
80	9.6	7.4	11.2

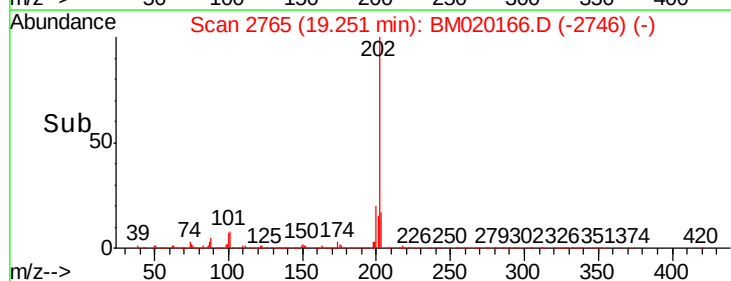
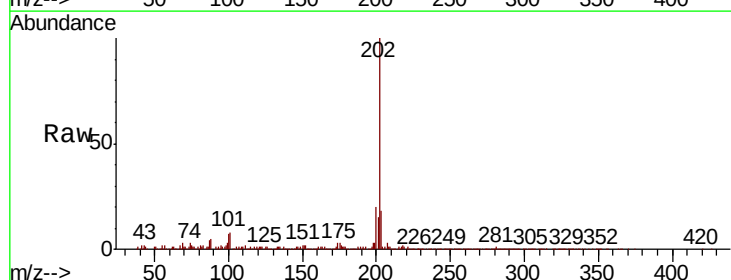
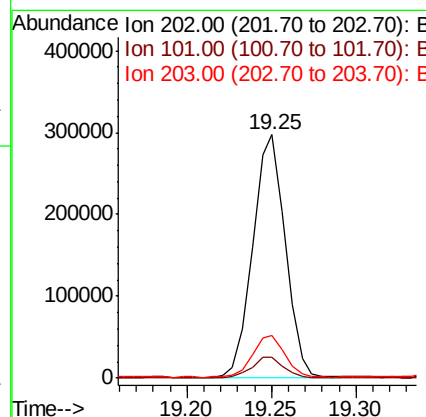
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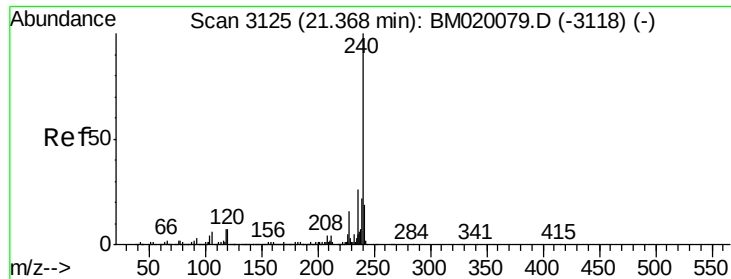
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#75
Fluoranthene
Concen: 6.002 ng
RT: 19.25 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion:	202	Resp:	395004
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	28.4
203	17.7	0.0	37.4





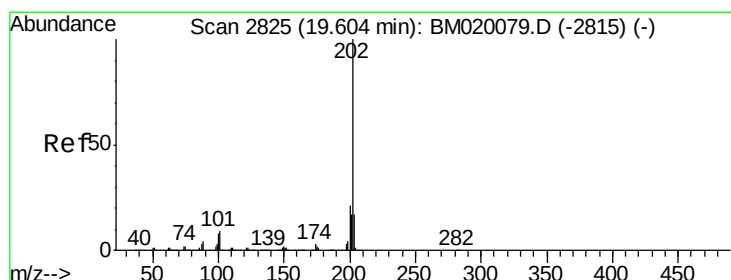
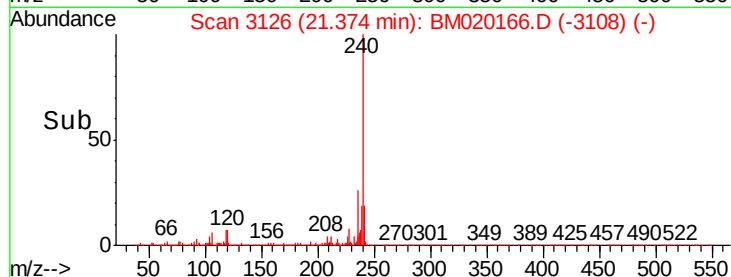
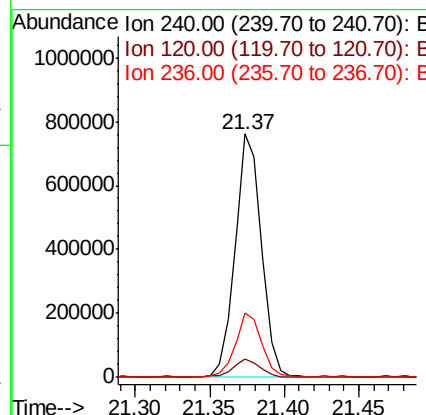
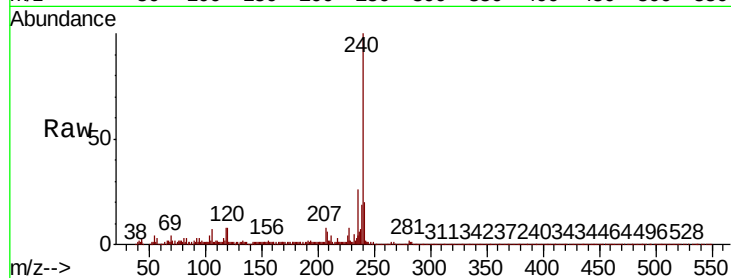
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.6	8.4
236	26.4	20.9	31.3

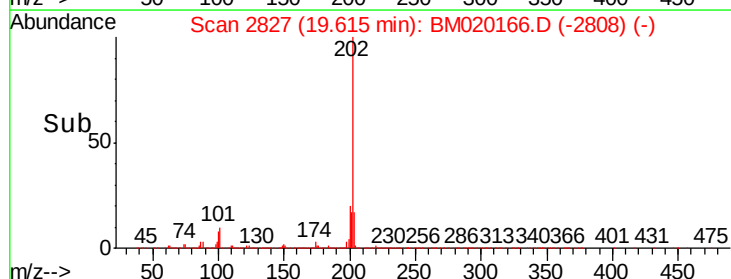
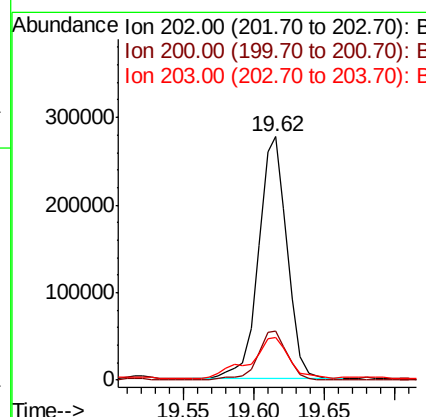
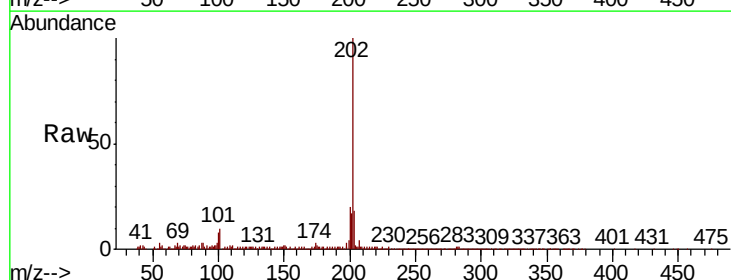
Manual Integrations
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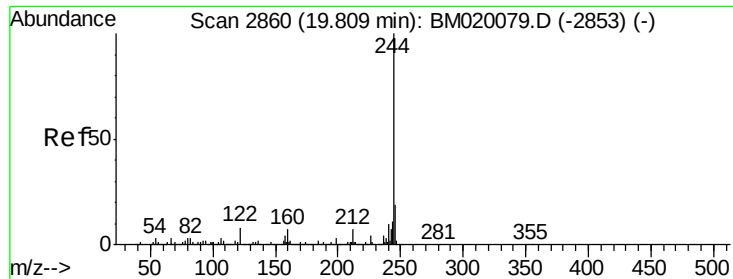
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#78
Pyrene
Concen: 6.263 ng
RT: 19.62 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.7	13.9	20.9





#79

Terphenyl-d14

Concen: 5.113 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020166.D

Acq: 07 May 2019 12:28

Instrument :

BNA_M

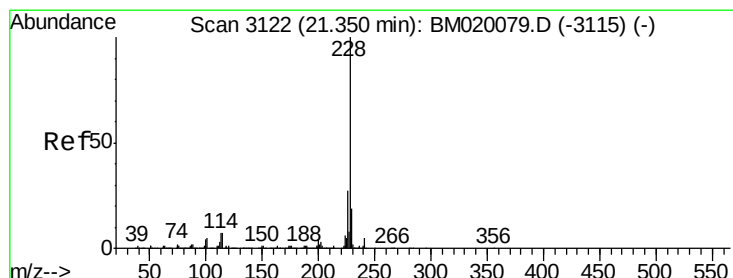
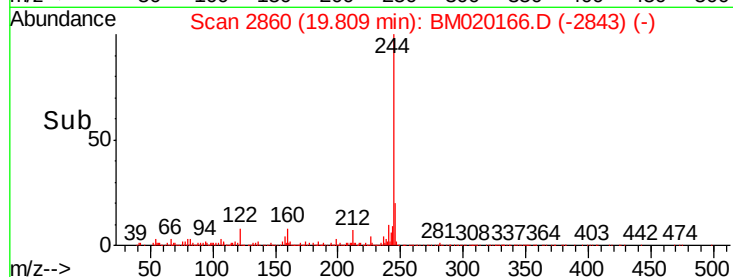
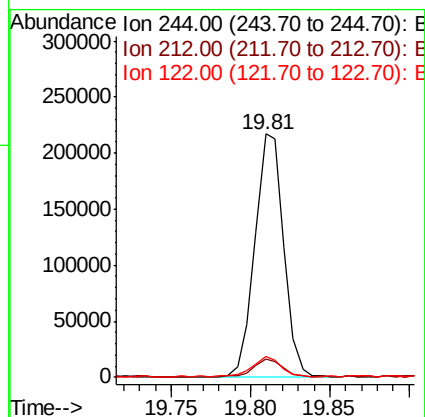
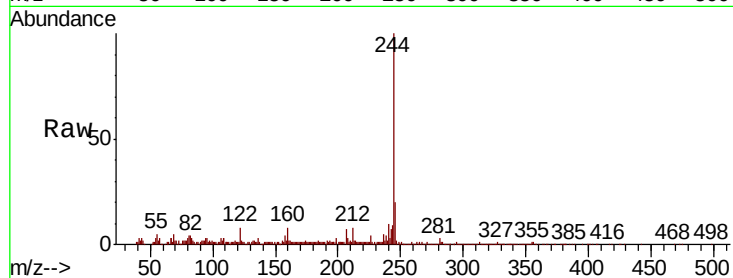
ClientSampleId :

SB-06-COMP

Tot Ion:	244	Resp:	273331
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.7	8.5
122	8.4	6.2	9.2

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#81

Benzo(a)anthracene

Concen: 4.489 ng

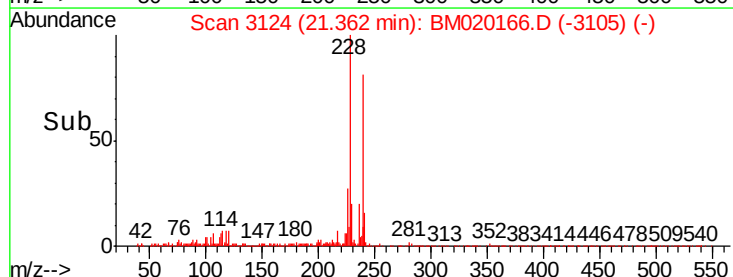
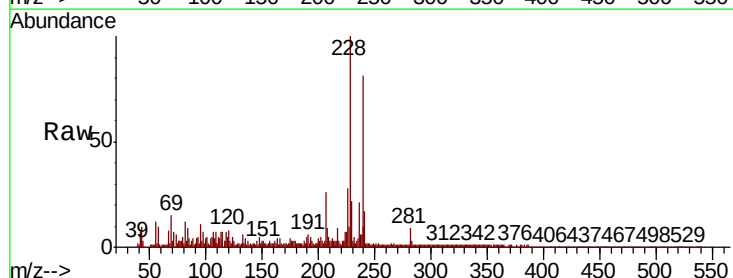
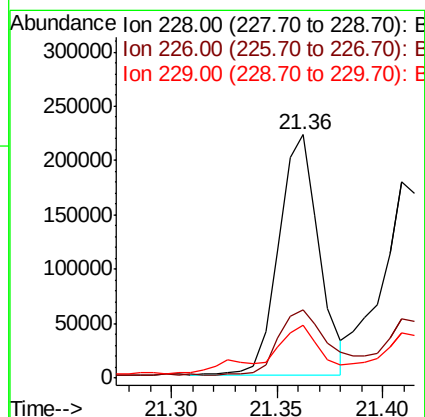
RT: 21.36 min Scan# 3124

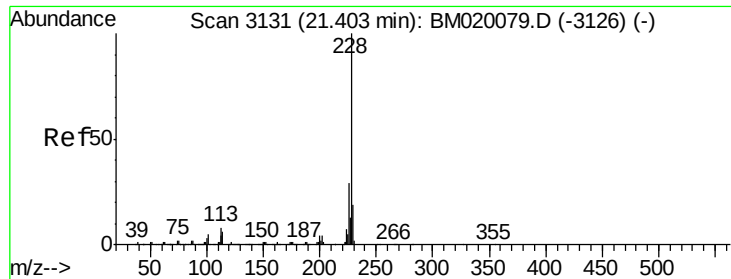
Delta R.T. 0.01 min

Lab File: BM020166.D

Acq: 07 May 2019 12:28

Tgt Ion:	228	Resp:	293561
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.3	31.9
229	21.6	15.5	23.3





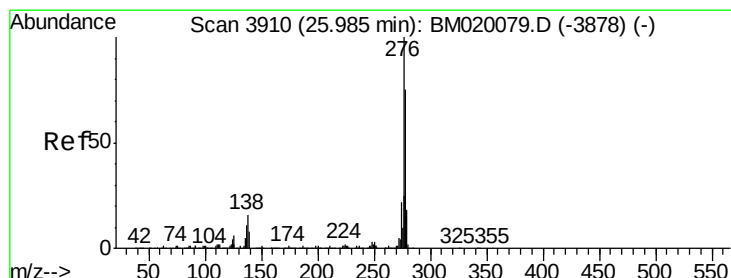
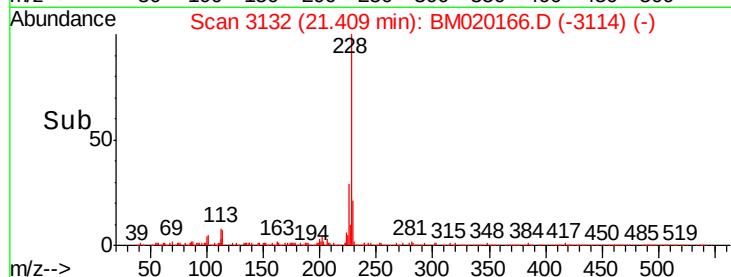
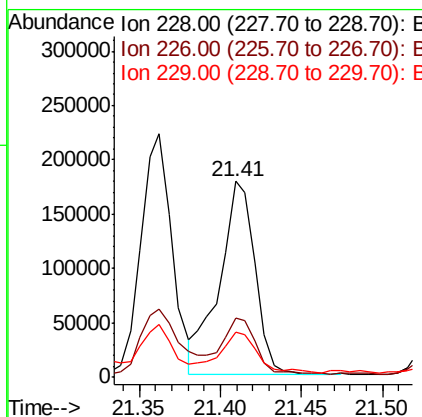
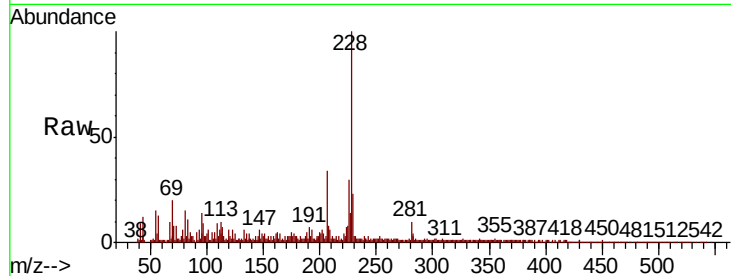
#83
Chrysene
Concen: 4.262 ng m
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

Tot Ion:	228	Resp:	270292
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.0	34.6
229	23.2	15.5	23.3

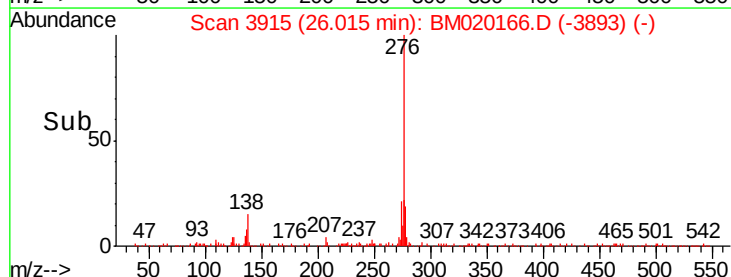
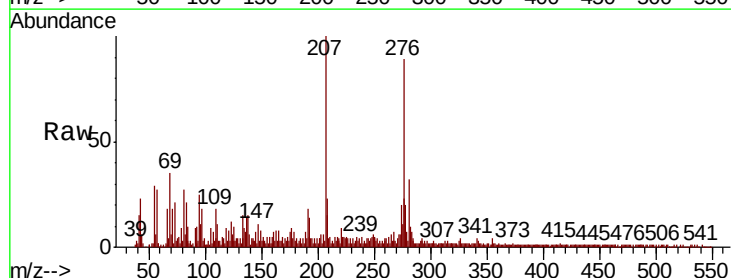
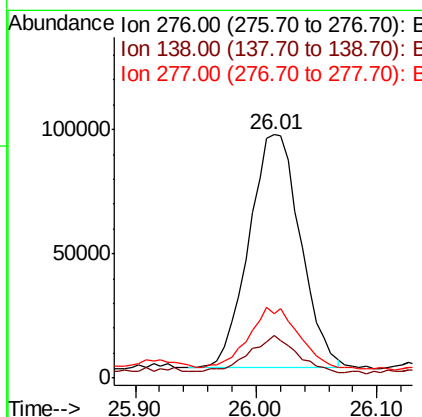
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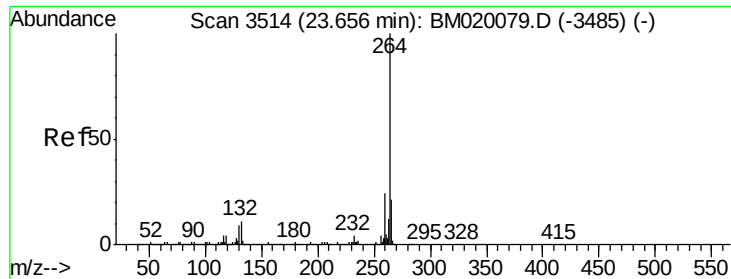
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.686 ng
RT: 26.01 min Scan# 3915
Delta R.T. 0.03 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion:	276	Resp:	278081
Ion Ratio	Lower	Upper	
276	100		
138	13.8	0.0	0.0#
277	24.8	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: BM020166.D

Acq: 07 May 2019 12:28

Instrument :

BNA_M

ClientSampleId :

SB-06-COMP

Tot Ion:264 Resp: 1082336

Ion Ratio Lower Upper

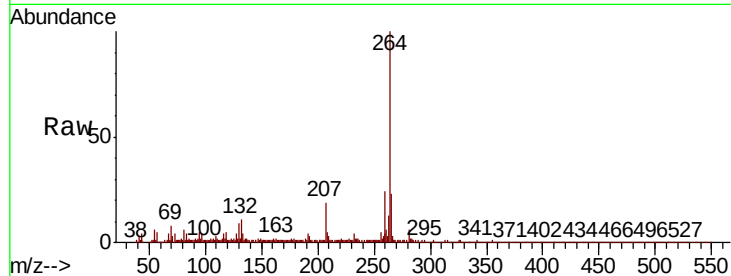
264 100

260 24.0 19.2 28.8

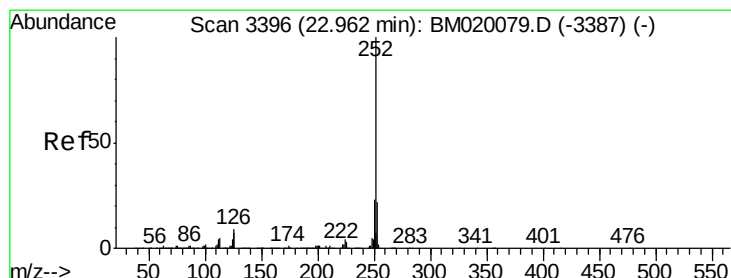
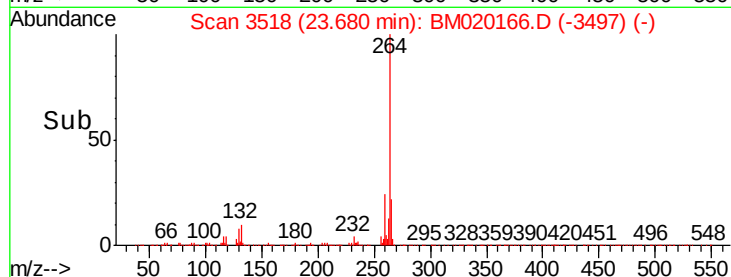
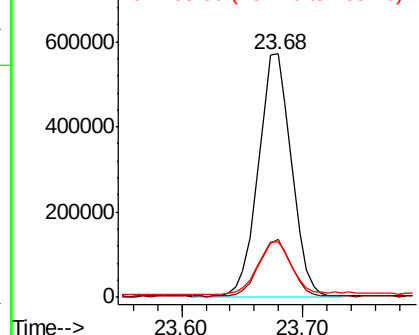
265 22.8 16.9 25.3

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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: 6.864 ng m

RT: 22.98 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BM020166.D

Acq: 07 May 2019 12:28

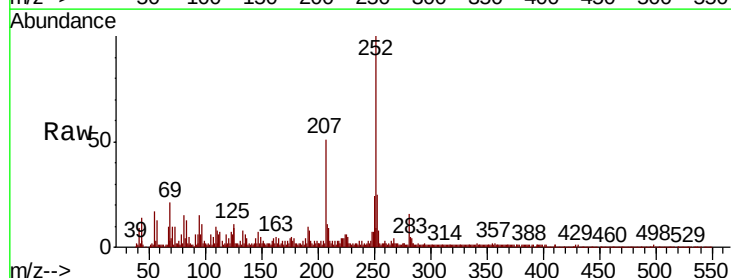
Tgt Ion:252 Resp: 490616

Ion Ratio Lower Upper

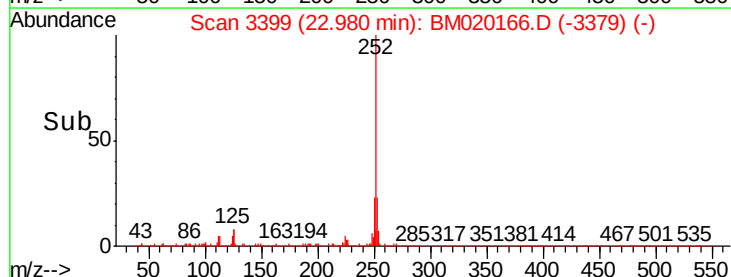
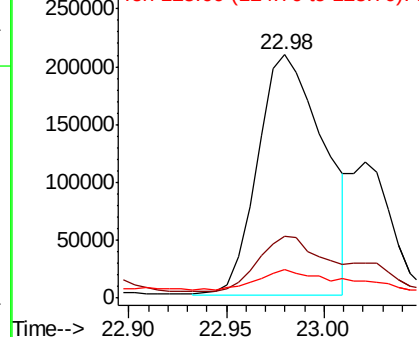
252 100

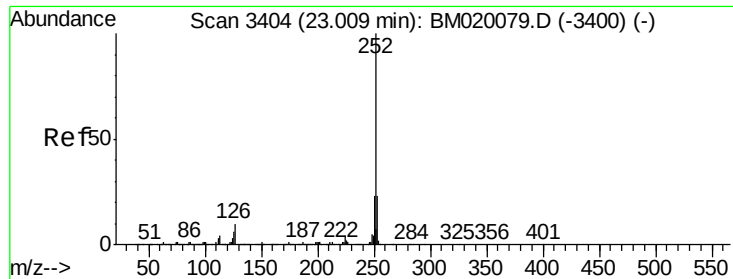
253 25.2 17.5 26.3

125 11.5 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





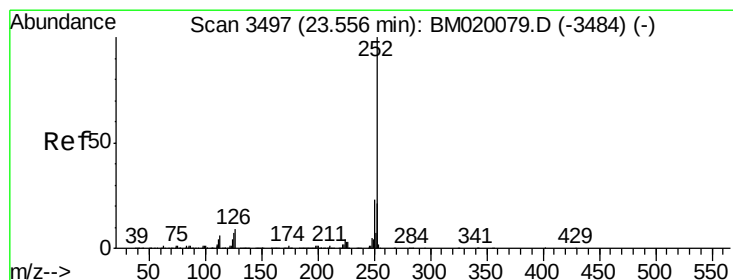
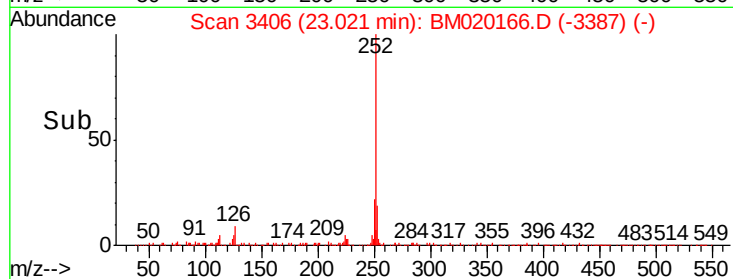
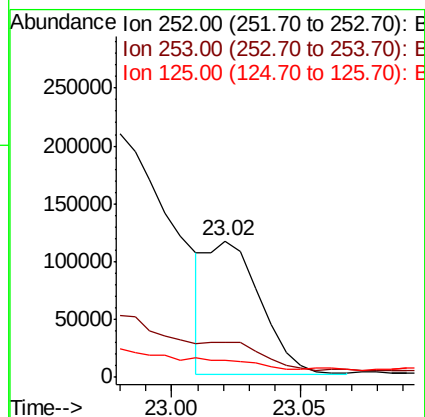
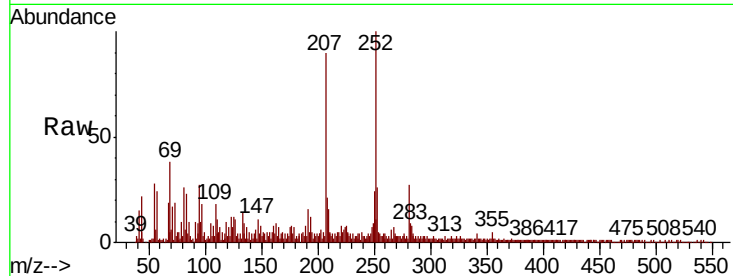
#89
Benzo(k)fluoranthene
Concen: 2.595 ng m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Instrument :
BNA_M
ClientSampleId :
SB-06-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.8
125	12.2	5.4	8.0#

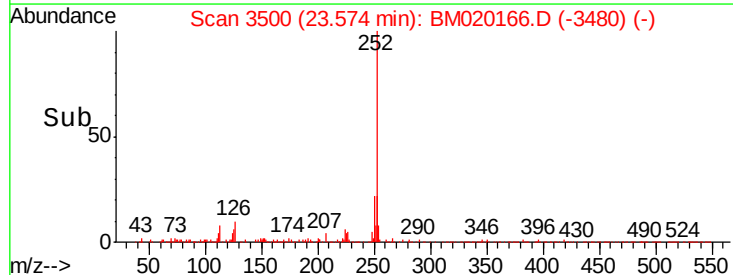
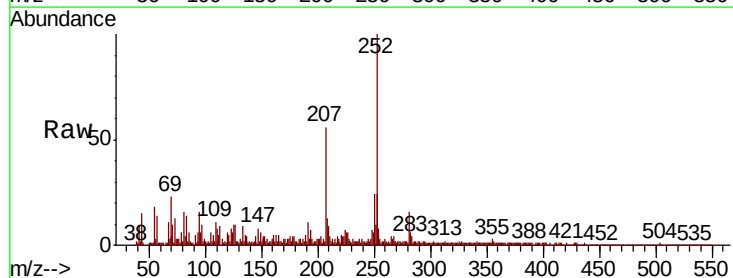
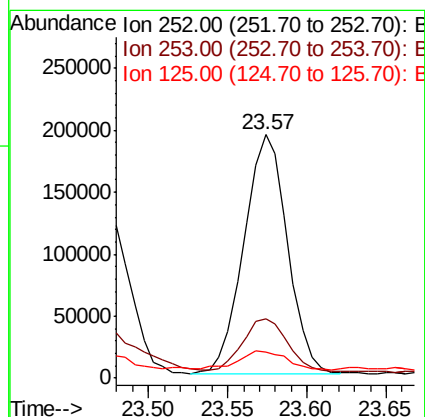
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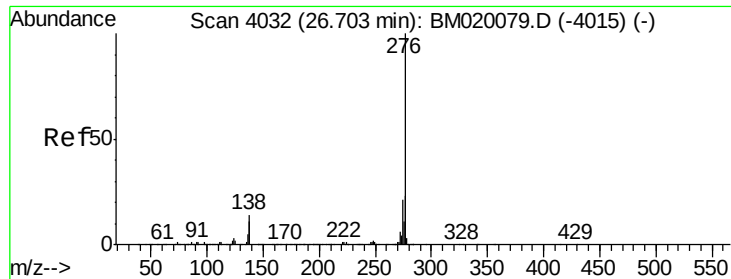
mohammad
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#90
Benzo(a)pyrene
Concen: 5.626 ng
RT: 23.57 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM020166.D
Acq: 07 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	10.5	5.5	8.3#





#92
 Benzo(a,h,i)perylene
 Concen: 4.075 ng
 RT: 26.73 min Scan# 4037
 Delta R.T. 0.03 min
 Lab File: BM020166.D
 Acq: 07 May 2019 12:28

Instrument :
 BNA_M
 ClientSampleId :
 SB-06-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.4	27.6#
138	17.6	11.1	16.7#

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