

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020154.D
 Acq On : 07 May 2019 05:14
 Operator : JU/SJ
 Sample : K2673-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-12-COMP

Manual Integrations
 APPROVED

mohammad
 5/7/2019 3:12:06 PM

Quant Time: May 07 06:46:02 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	209138	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	763002	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	400311	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	821238	20.00	ng	0.00
76) Chrysene-d12	21.37	240	791982	20.00	ng	0.00
87) Perylene-d12	23.66	264	926562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	178838	13.98	ng	0.00
7) Phenol-d6	6.96	99	262901	15.04	ng	0.00
23) Nitrobenzene-d5	8.96	82	163651	8.47	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	75784	12.20	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	320286	9.84	ng	0.00
79) Terphenyl-d14	19.80	244	366740	8.08	ng	0.00
Target Compounds						
71) Phenanthrene	17.23	178	209263	4.616	ng	98
75) Fluoranthene	19.24	202	378756	6.603	ng	98
78) Pyrene	19.61	202	341745	6.427	ng	100
81) Benzo(a)anthracene	21.35	228	204719	3.686	ng	95
83) Chrysene	21.40	228	192580m	3.575	ng	
84) Bis(2-ethylhexyl)phthalate	21.27	149	239419	7.979	ng	# 97
86) Indeno(1,2,3-cd)pyrene	26.00	276	159965	2.497	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	280391	4.583	ng	# 87
90) Benzo(a)pyrene	23.56	252	209716	3.773	ng	# 86
92) Benzo(g,h,i)perylene	26.72	276	166087	3.027	ng	92

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

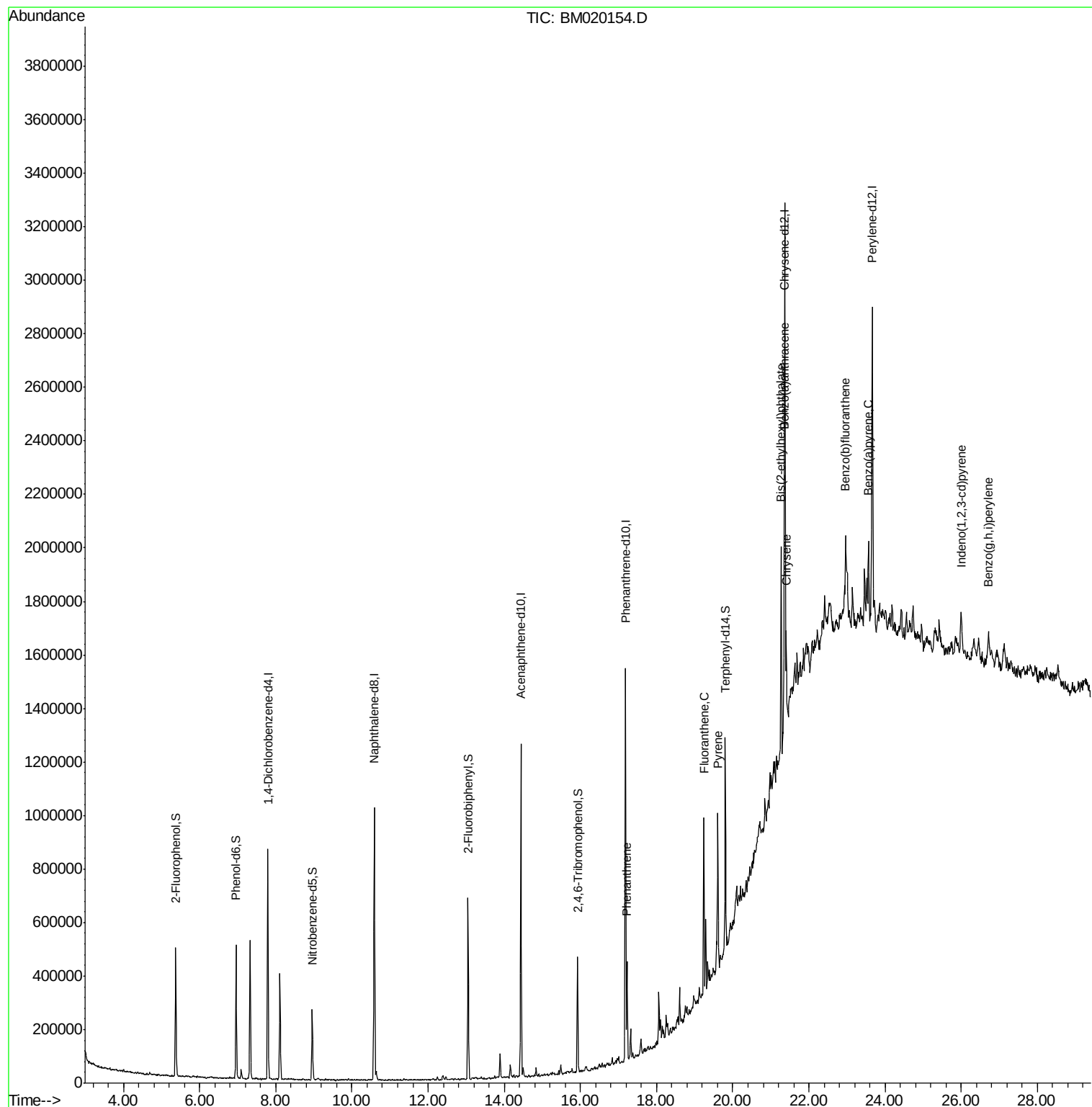
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020154.D
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Operator : JU/SJ
Sample : K2673-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

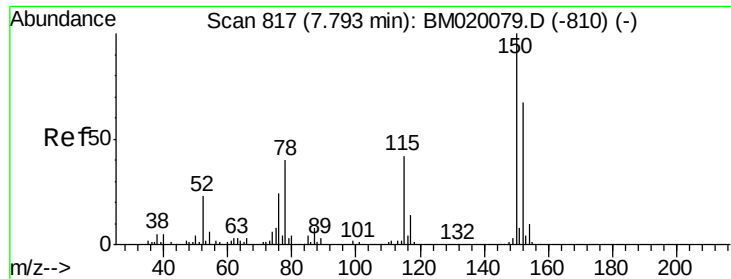
Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

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#1

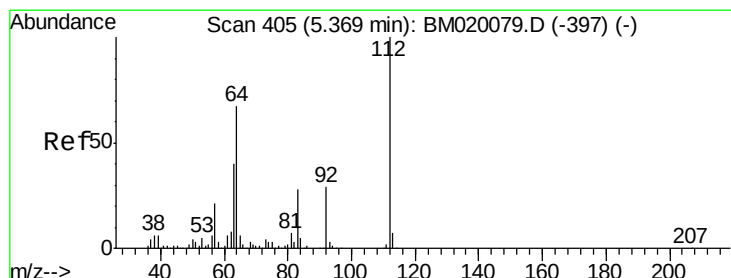
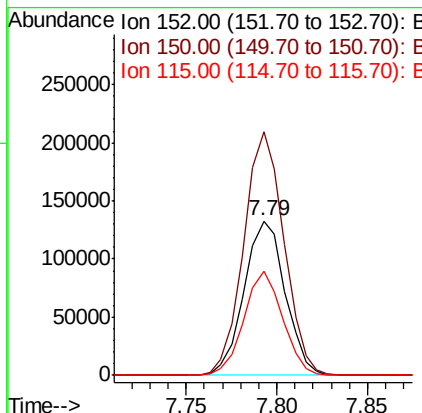
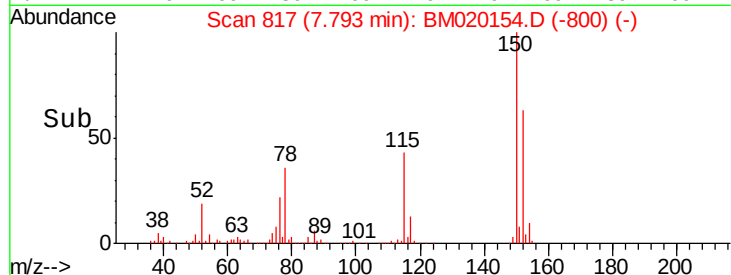
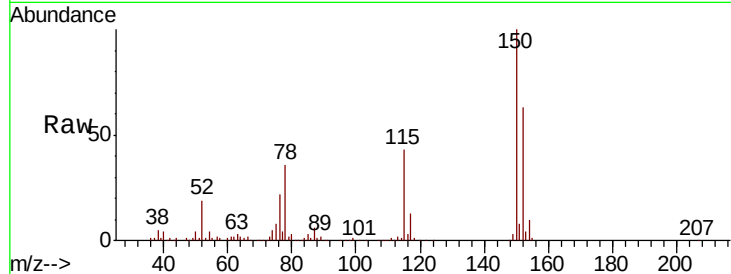
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampled :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	119.8	179.8
115	67.6	50.8	76.2

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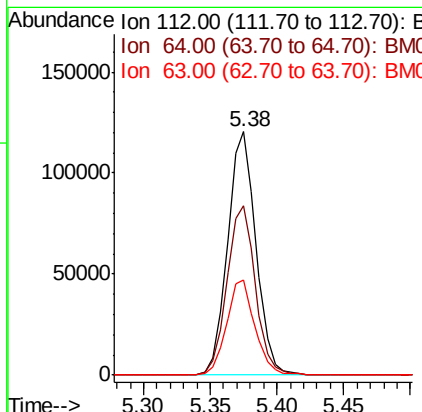
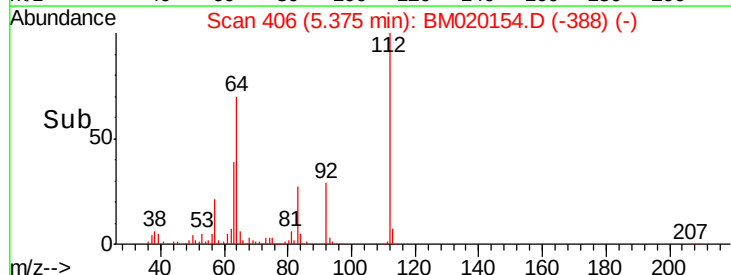
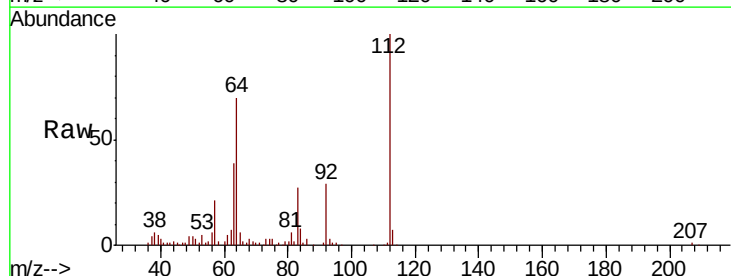
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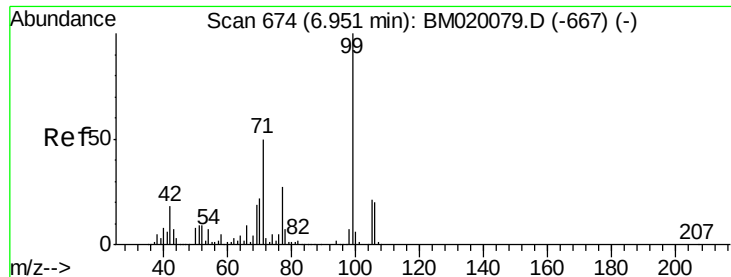


#5

2-Fluorophenol
Concen: 13.978 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.8	80.6
63	38.9	32.3	48.5





#7

Phenol-d6

Concen: 15.041 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

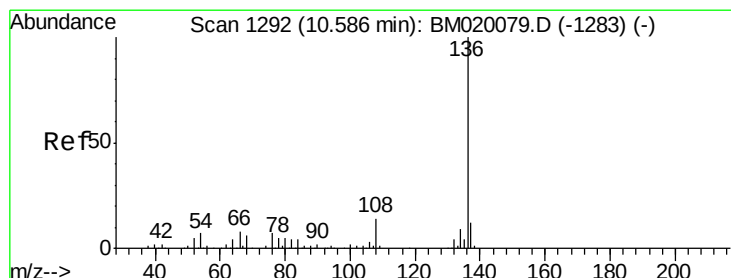
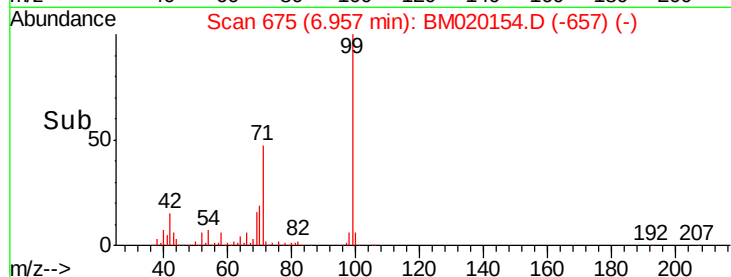
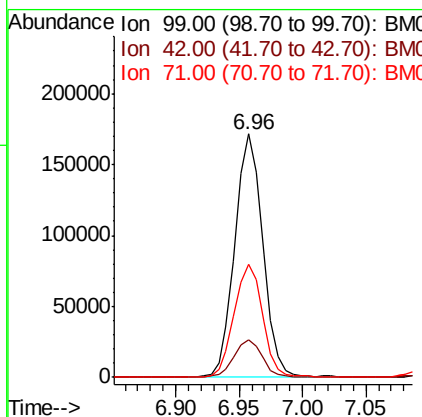
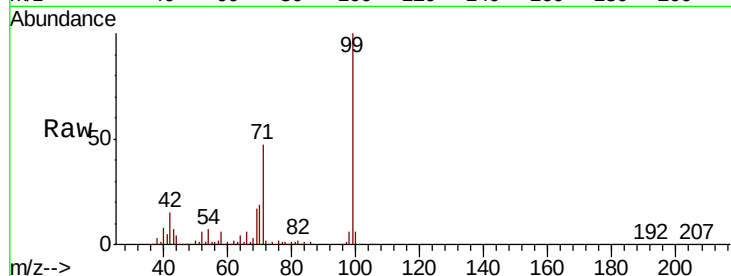
ClientSampleId :

SB-12-COMP

Tot Ion:	99	Resp:	262901
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.2	21.2
71	46.7	40.3	60.5

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

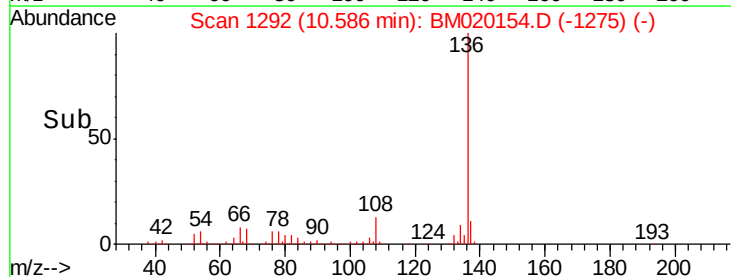
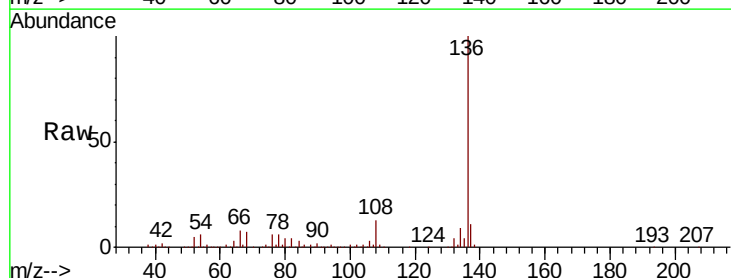
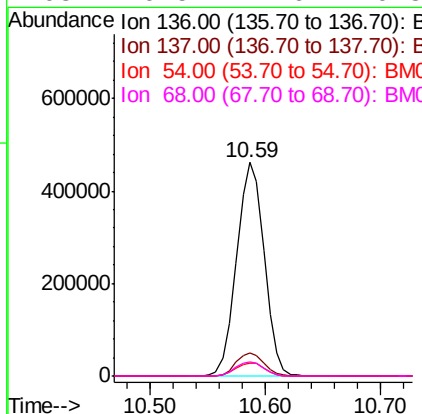
RT: 10.59 min Scan# 1292

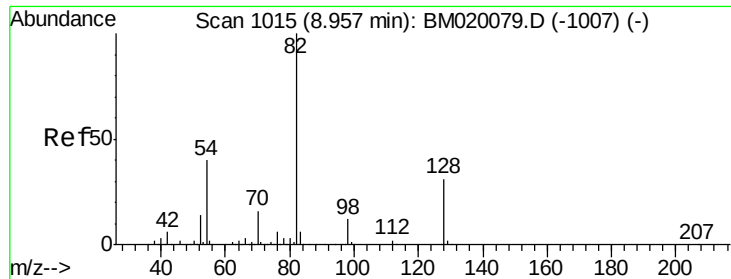
Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Tgt Ion:	136	Resp:	763002
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.6	14.4
54	6.2	5.5	8.3
68	6.5	4.6	6.8





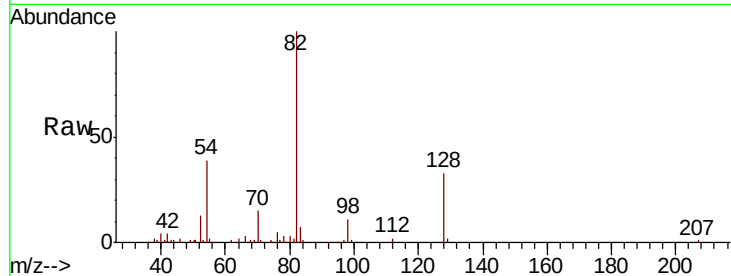
#23
Nitrobenzene-d5
Concen: 8.468 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampled :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	38.6	31.9	47.9

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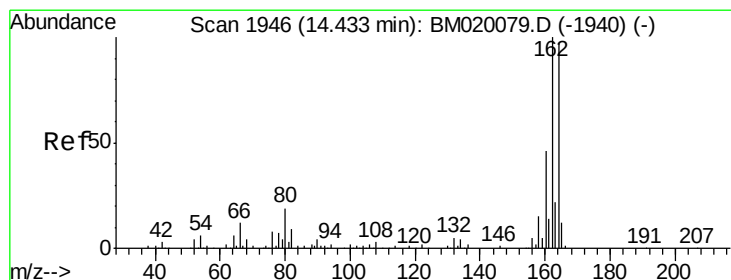
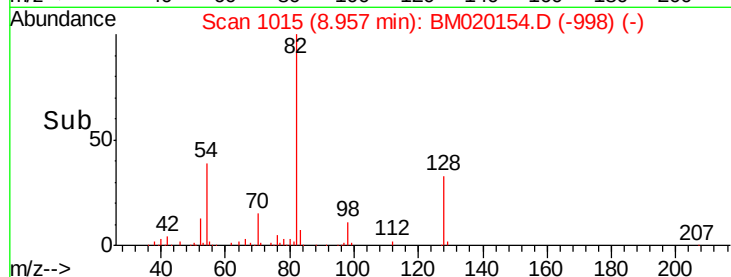
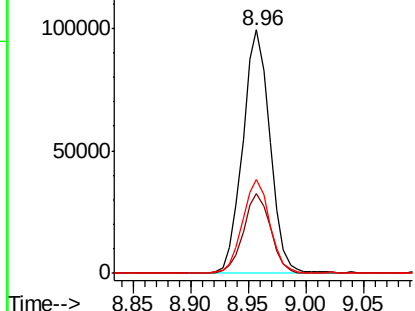


Abundance

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: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

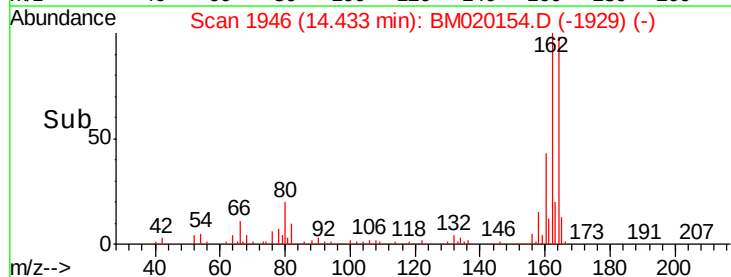
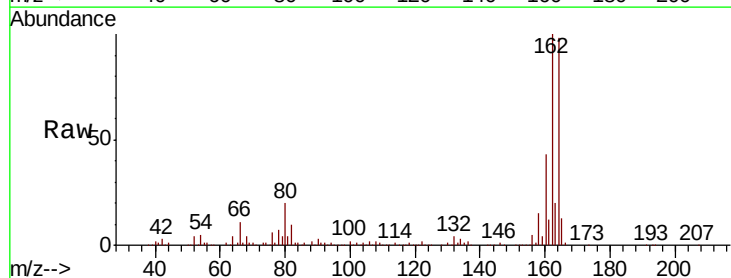
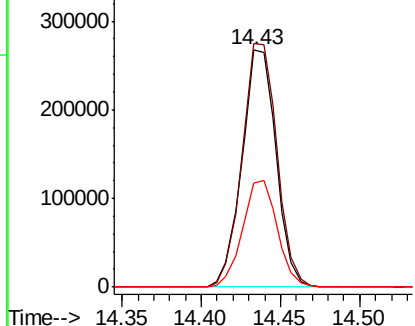
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.2
160	43.7	37.6	56.4

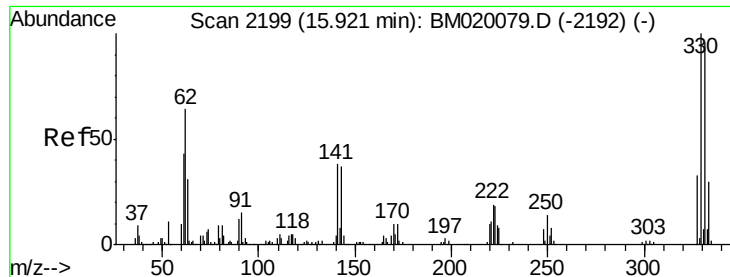
Abundance

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: 12.197 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

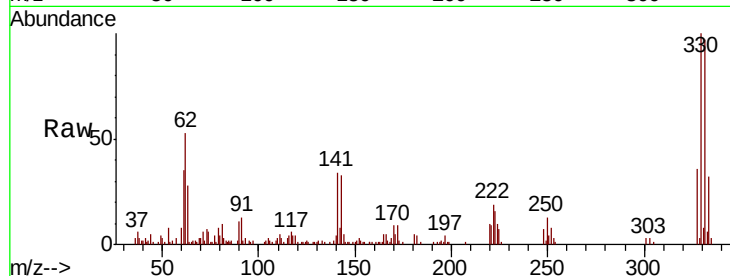
ClientSampleId :

SB-12-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.8	115.2
141	36.2	29.2	43.8

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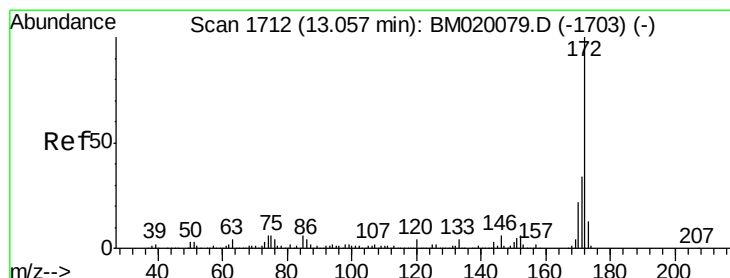
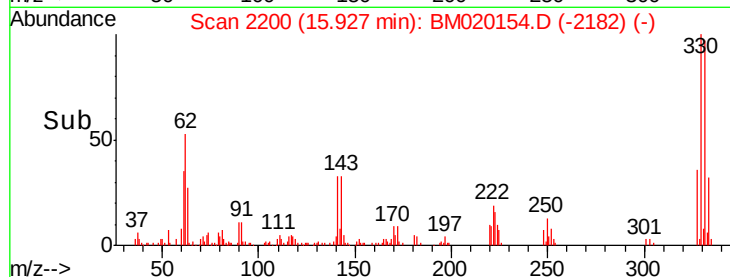
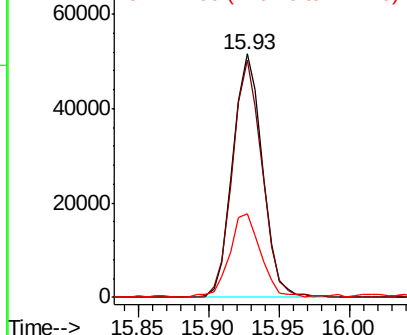


Abundance

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: 9.844 ng

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

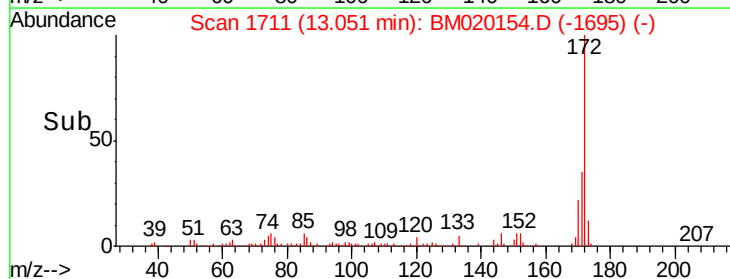
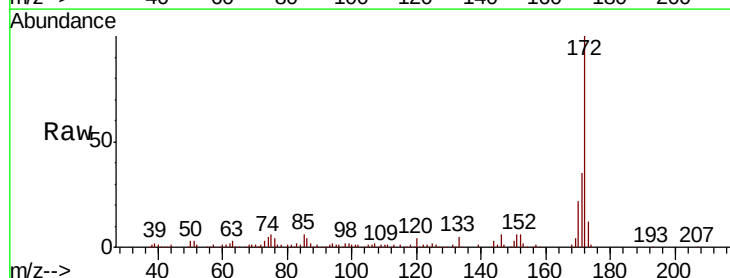
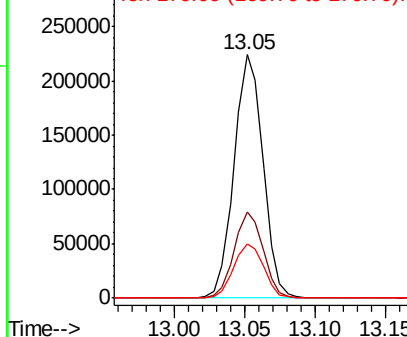
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	22.3	17.9	26.9

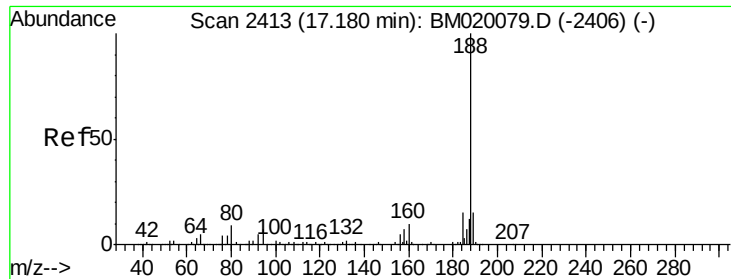
Abundance

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





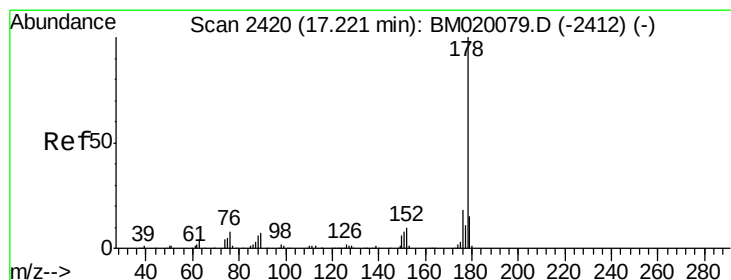
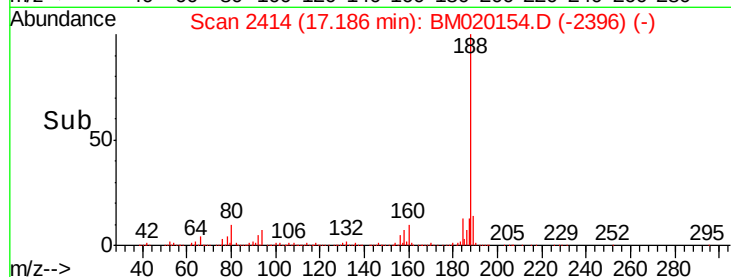
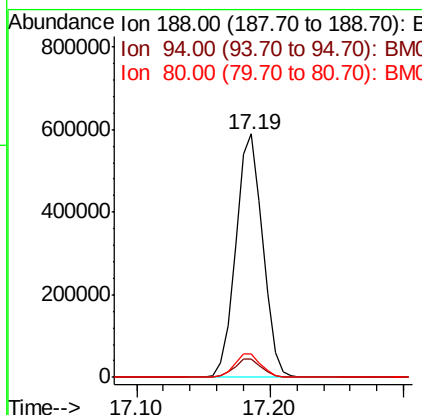
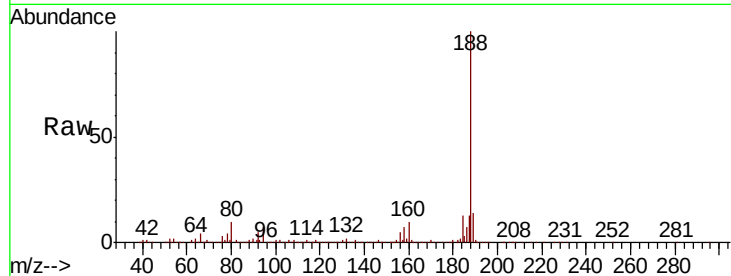
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Tot Ion:	188	Resp:	821238
Ion Ratio	Lower	Upper	
188	100		
94	7.4	5.8	8.6
80	9.6	7.4	11.2

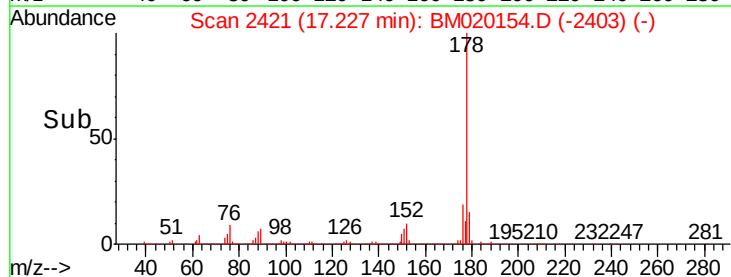
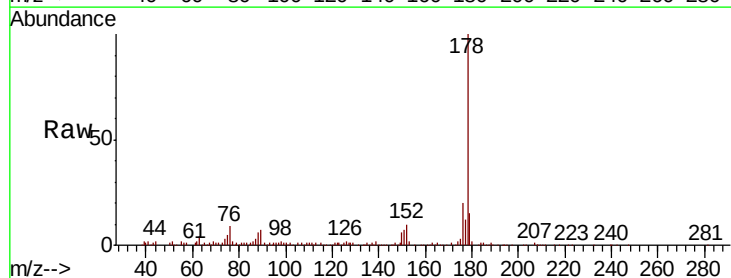
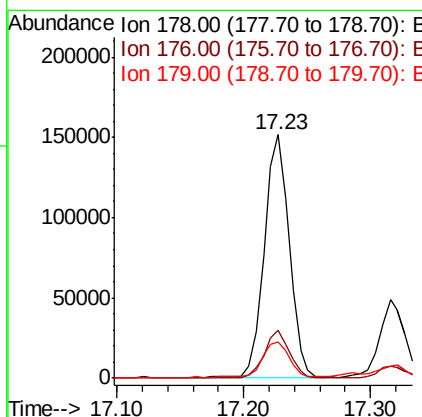
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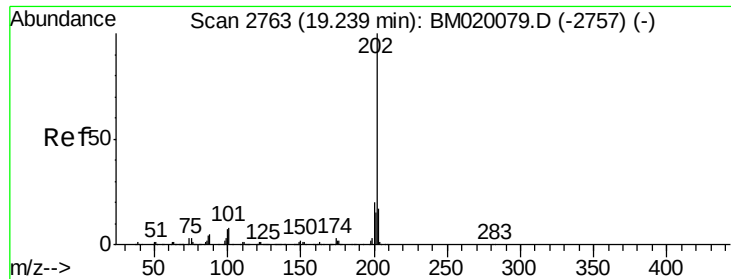
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#71
Phenanthrene
Concen: 4.616 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion:	178	Resp:	209263
Ion Ratio	Lower	Upper	
178	100		
176	19.7	14.6	21.8
179	15.1	12.4	18.6





#75

Fluoranthene

Concen: 6.603 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

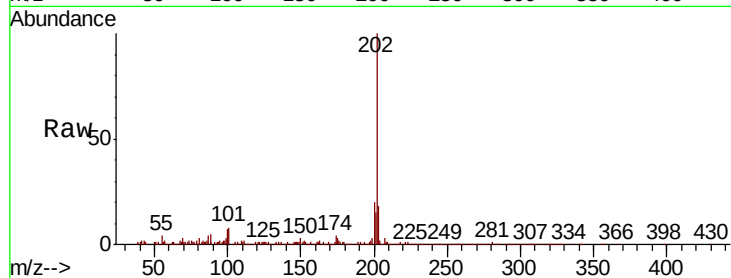
ClientSampleId :

SB-12-COMP

Tot Ion:	202	Resp:	378756
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.4
203	18.4	0.0	37.4

Manual Integrations
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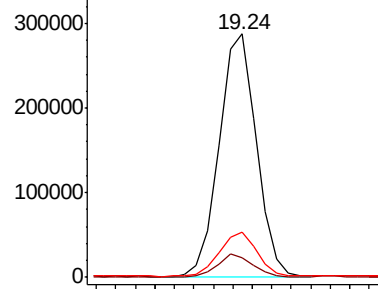


Abundance

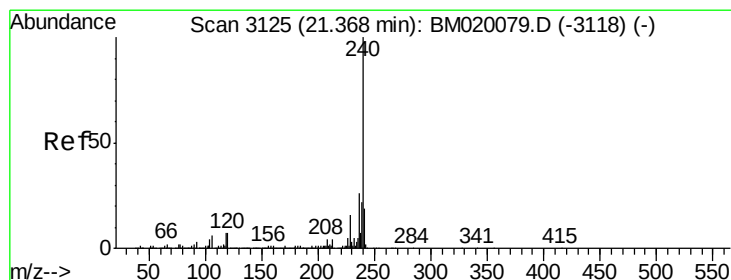
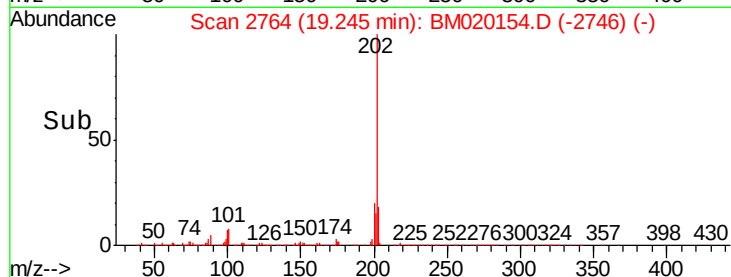
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

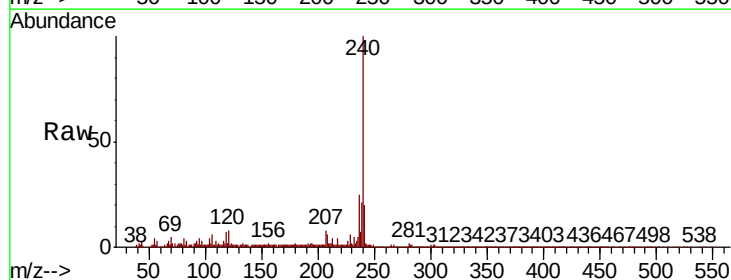
RT: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Tgt Ion:	240	Resp:	791982
Ion Ratio	Lower	Upper	
240	100		
120	7.6	5.6	8.4
236	25.2	20.9	31.3

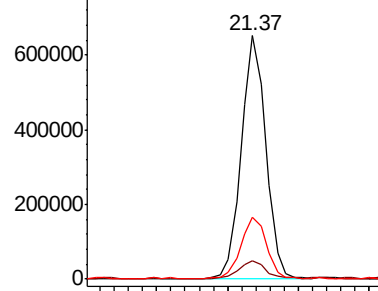


Abundance

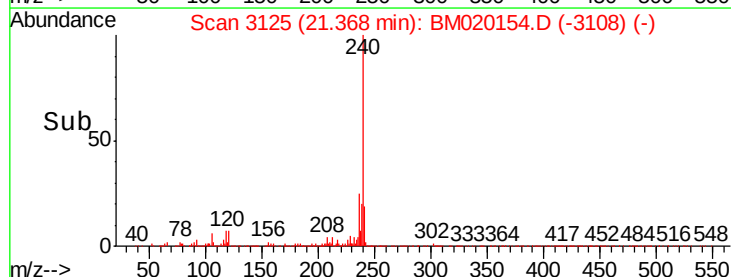
Ion 240.00 (239.70 to 240.70): E

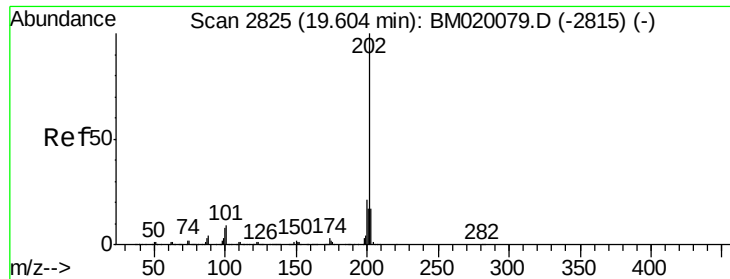
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





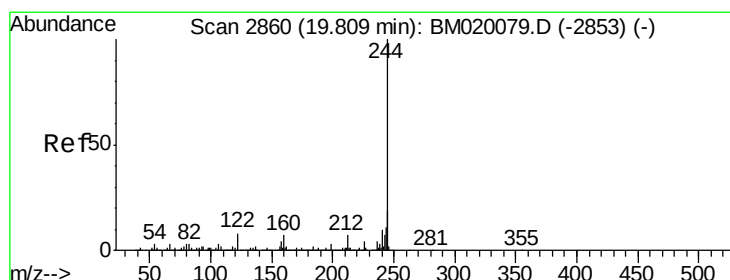
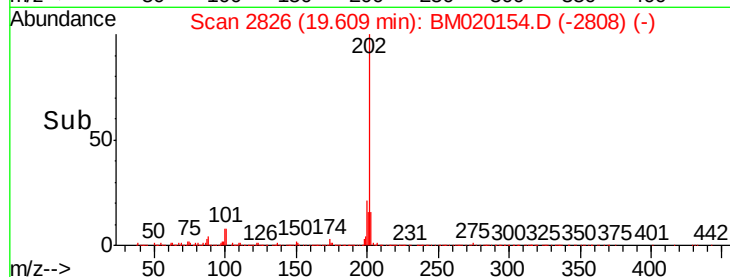
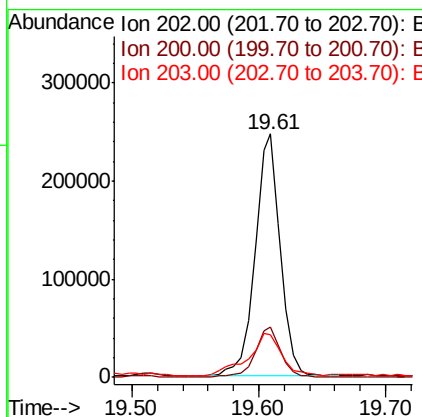
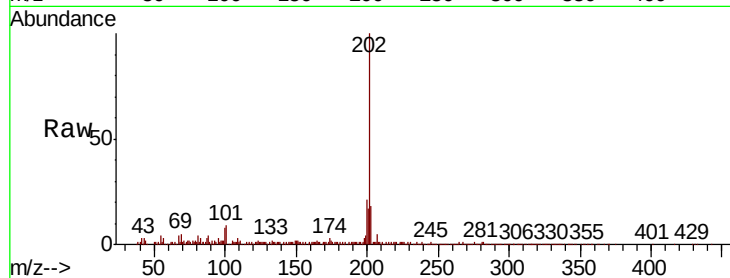
#78
Pvrene
Concen: 6.427 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.6	13.9	20.9

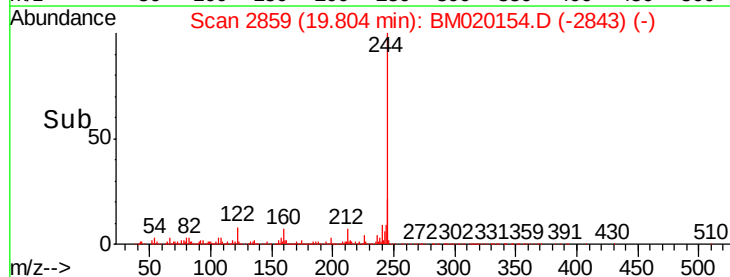
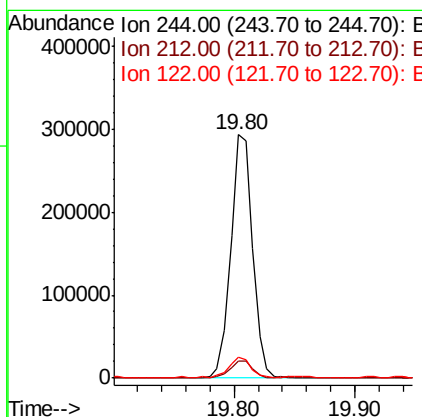
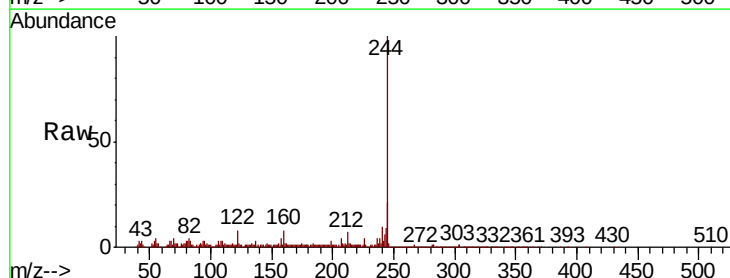
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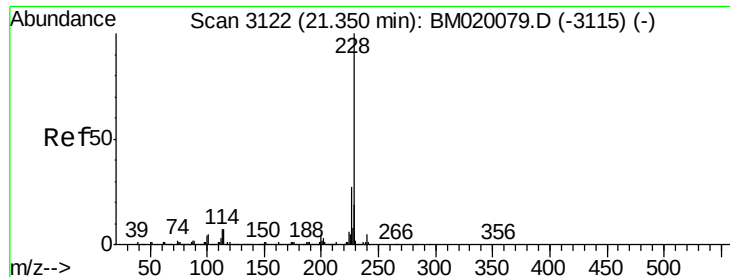
mohammad
5/7/2019 3:12:06 PM



#79
Terphenyl-d14
Concen: 8.077 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.7	8.5
122	8.4	6.2	9.2





#81

Benzo(a)anthracene

Concen: 3.686 ng

RT: 21.35 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

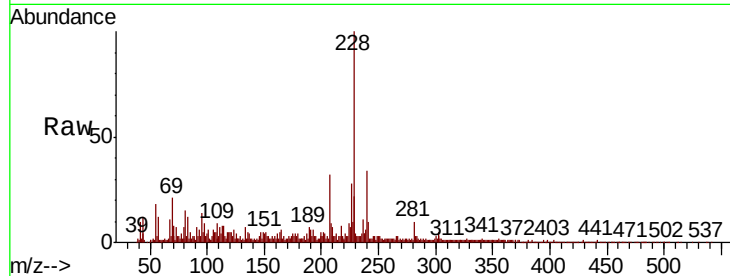
ClientSampleId :

SB-12-COMP

Tot Ion:	228	Resp:	204719
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.3	31.9
229	22.3	15.5	23.3

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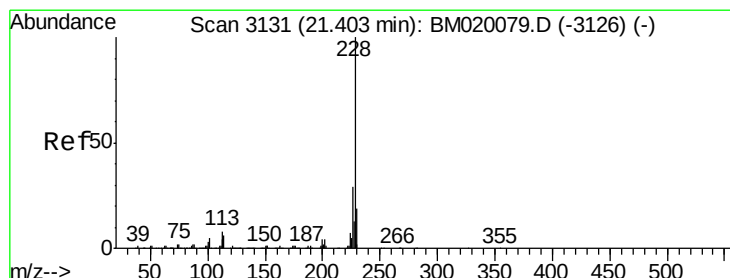
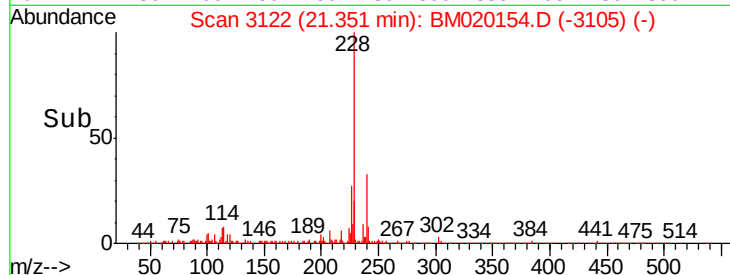
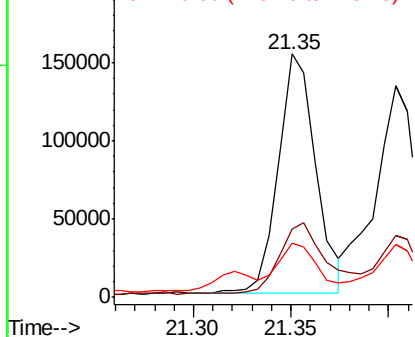


Abundance

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: 3.575 ng m

RT: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

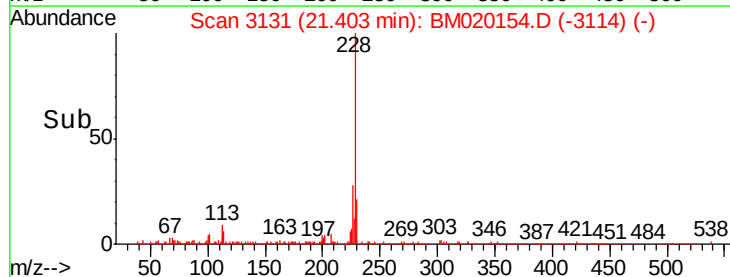
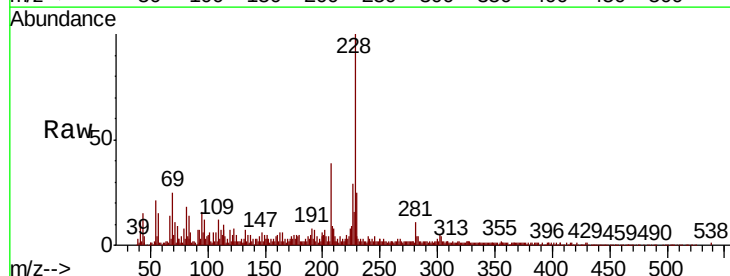
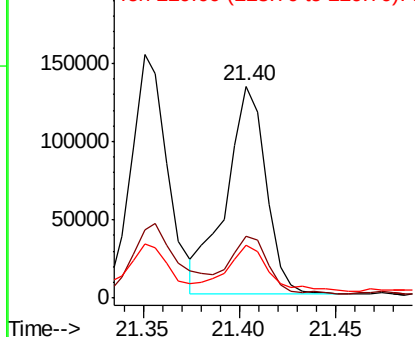
Tgt Ion:	228	Resp:	192580
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.0	34.6
229	24.8	15.5	23.3#

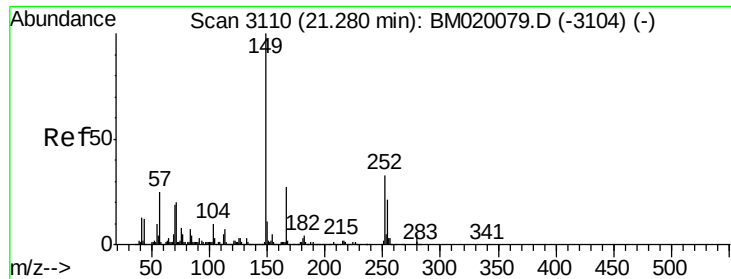
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.979 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

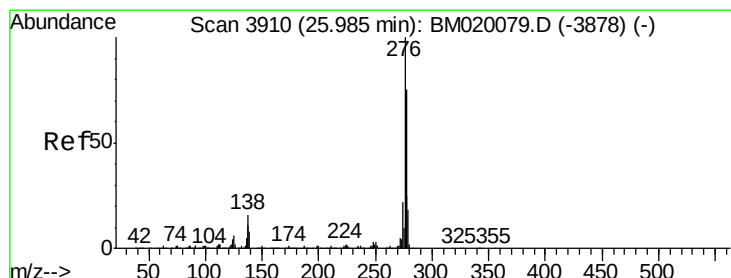
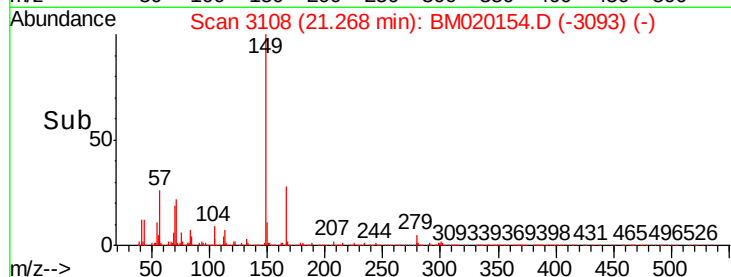
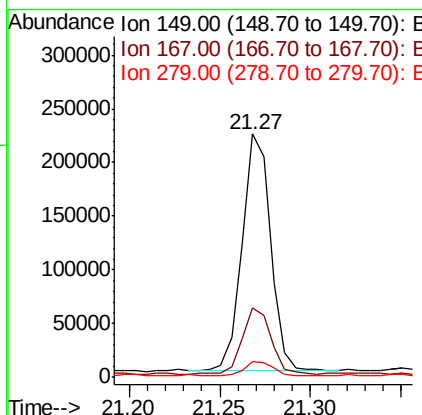
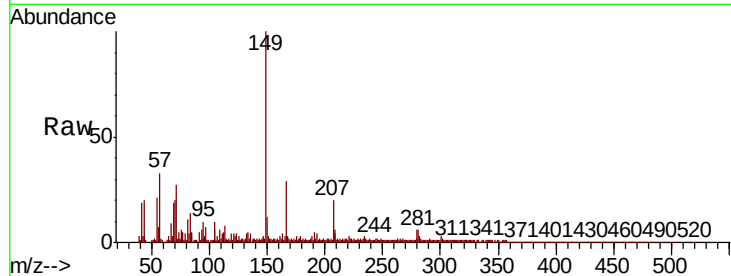
ClientSampleId :

SB-12-COMP

Tot Ion:	149	Resp:	239419
Ion Ratio	Lower	Upper	
149	100		
167	28.7	21.8	32.8
279	6.4	4.2	6.2#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.497 ng

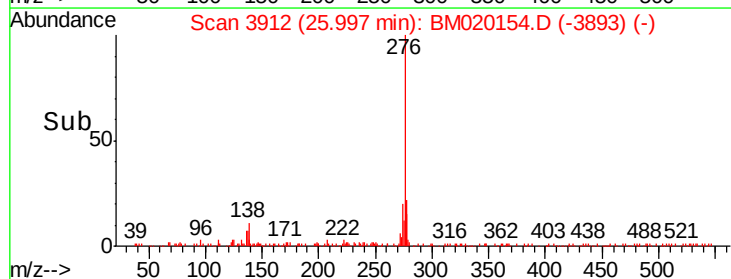
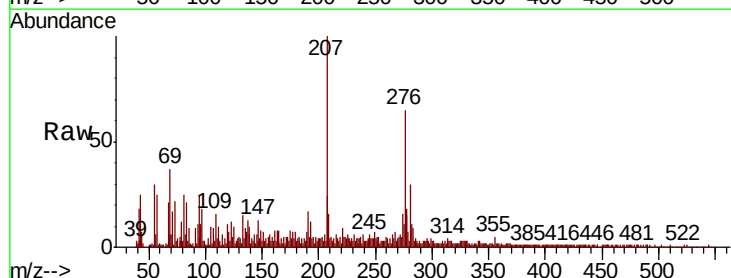
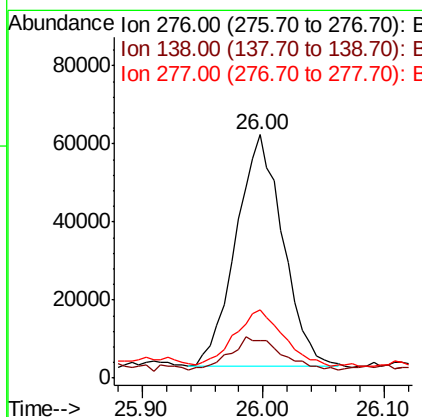
RT: 26.00 min Scan# 3912

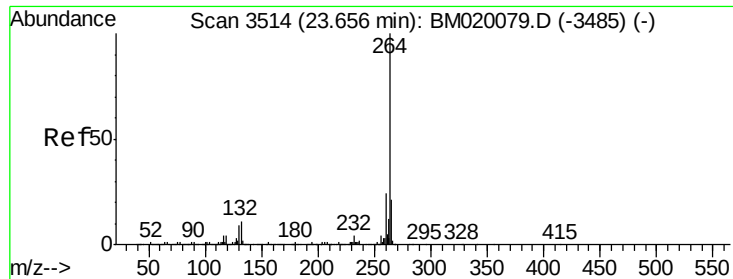
Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Tgt Ion:	276	Resp:	159965
Ion Ratio	Lower	Upper	
276	100		
138	15.2	0.0	0.0#
277	25.0	0.0	0.0#





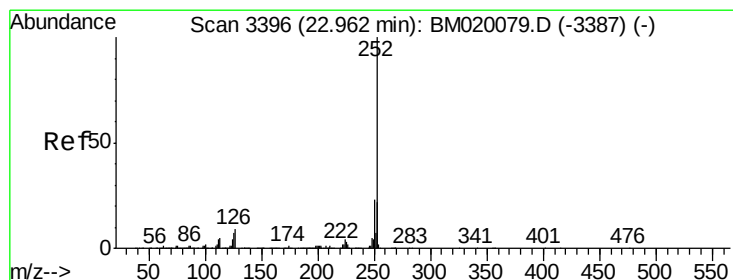
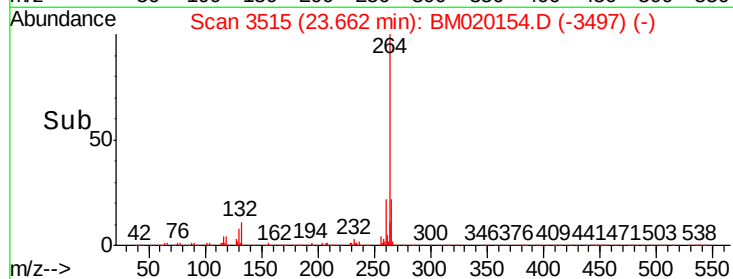
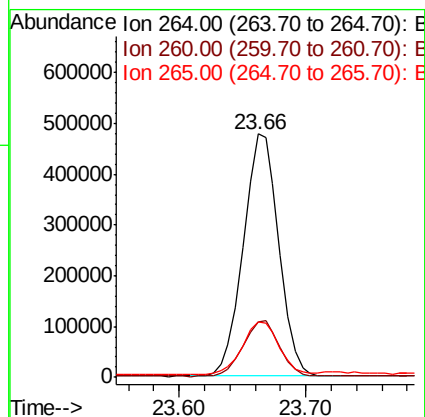
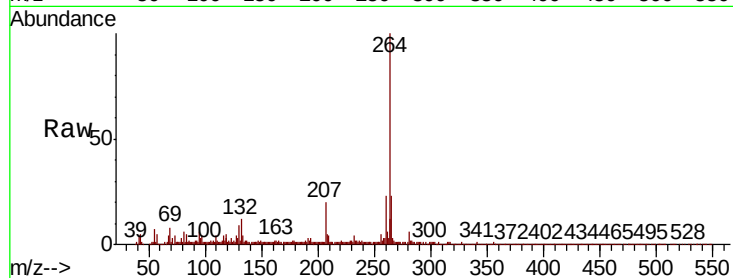
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.66 min Scan# 3515
 Delta R.T. 0.01 min
 Lab File: BM020154.D
 Acq: 07 May 2019 05:14

Instrument :
 BNA_M
 ClientSampleId :
 SB-12-COMP

Tot Ion:	264	Resp:	926562
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	22.7	16.9	25.3

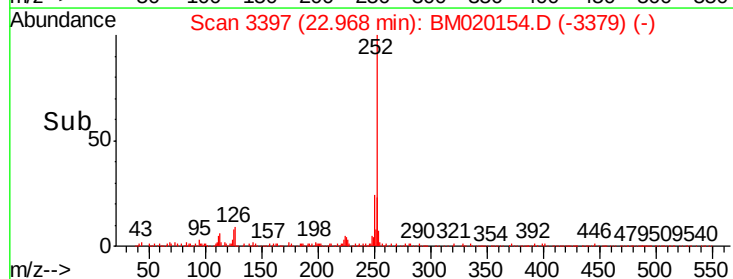
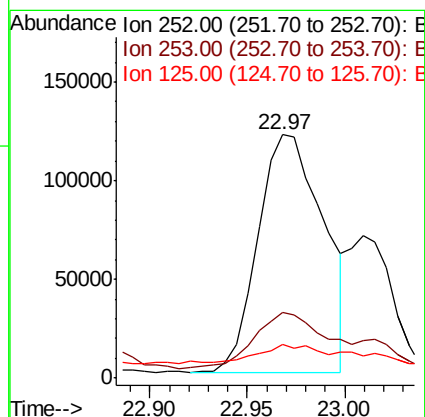
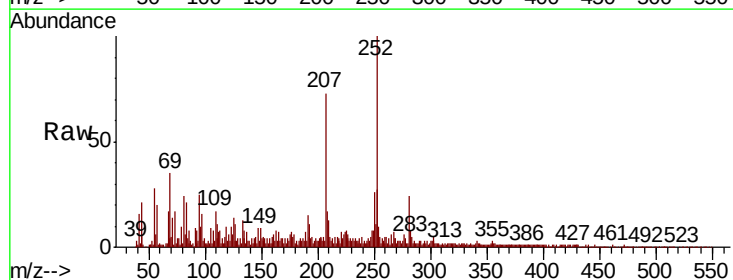
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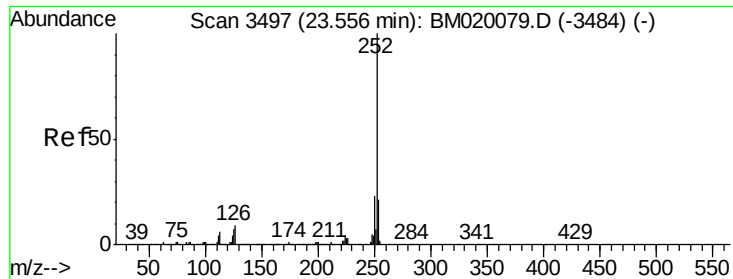
mohammad
 5/7/2019 3:12:06 PM



#88
 Benzo(b)fluoranthene
 Concen: 4.583 ng
 RT: 22.97 min Scan# 3397
 Delta R.T. 0.01 min
 Lab File: BM020154.D
 Acq: 07 May 2019 05:14

Tgt Ion:	252	Resp:	280391
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.5	26.3#
125	13.7	5.4	8.2#





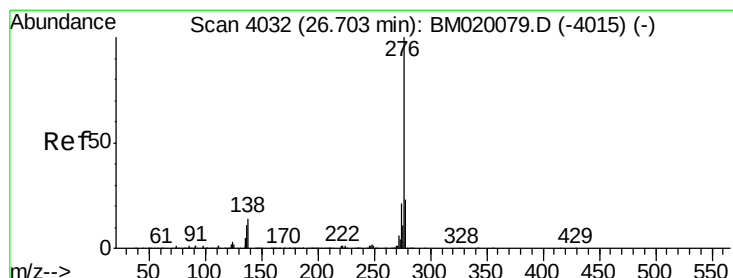
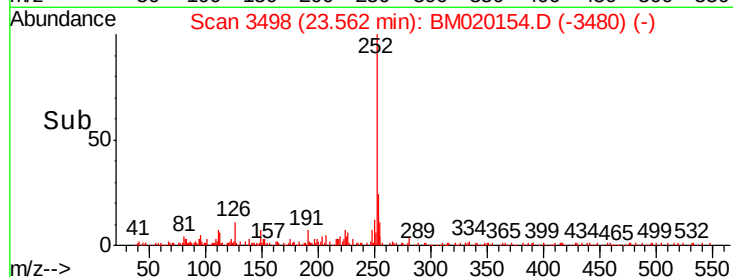
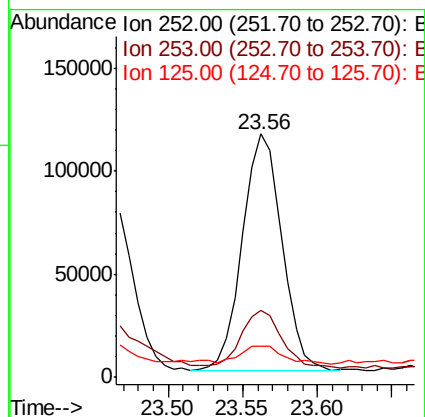
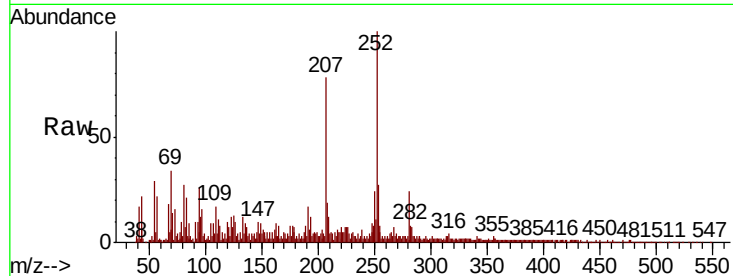
#90
Benzo(a)pyrene
Concen: 3.773 ng
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	12.6	5.5	8.3#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.027 ng
RT: 26.72 min Scan# 4035
Delta R.T. 0.02 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.4	27.6
138	15.9	11.1	16.7

