

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
 Data File : BM020562.D
 Acq On : 25 May 2019 03:56
 Operator : JU/SJ
 Sample : K2647-11 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-052219-A

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:00:26 AM

Quant Time: May 25 06:38:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 16:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	70269	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	264095	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	201493	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	563887	20.00	ng	0.00
76) Chrysene-d12	21.26	240	531646	20.00	ng	-0.01
87) Perylene-d12	23.50	264	539503	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	213113	59.50	ng	0.00
7) Phenol-d6	6.84	99	294429	54.46	ng	0.00
23) Nitrobenzene-d5	8.83	82	189118	30.06	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	215043	53.27	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	522815	32.56	ng	0.00
79) Terphenyl-d14	19.70	244	1169404	39.76	ng	-0.01
Target Compounds						
49) Acenaphthylene	14.04	152	42133	2.106	ng	Qvalue 98
50) Dimethylphthalate	13.77	163	58106	3.256	ng	98
71) Phenanthrene	17.11	178	227737	7.434	ng	97
72) Anthracene	17.20	178	75083	2.527	ng	100
75) Fluoranthene	19.13	202	648276	15.218	ng	100
78) Pyrene	19.50	202	634585	19.013	ng	99
81) Benzo(a)anthracene	21.24	228	344989	9.376	ng	96
83) Chrysene	21.30	228	324988	9.140	ng	96
86) Indeno(1,2,3-cd)pyrene	25.77	276	208718	4.855	ng	96
88) Benzo(b)fluoranthene	22.83	252	435111m	12.322	ng	
89) Benzo(k)fluoranthene	22.86	252	144044m	4.203	ng	
90) Benzo(a)pyrene	23.40	252	310326	9.550	ng	# 95
92) Benzo(a,h,i)perylene	26.46	276	217041	7.039	ng	100

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

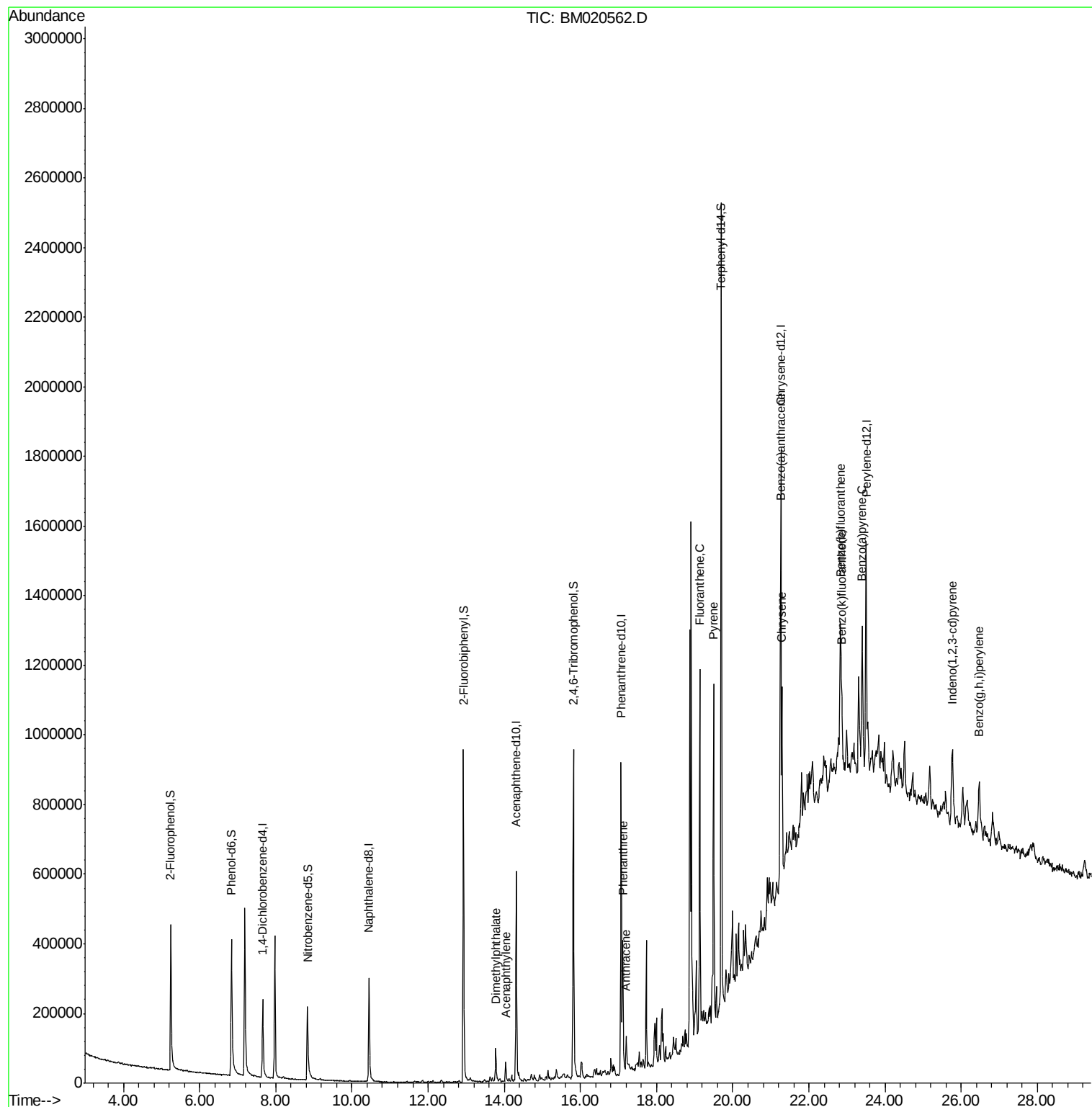
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
Data File : BM020562.D
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Operator : JU/SJ
Sample : K2647-11 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

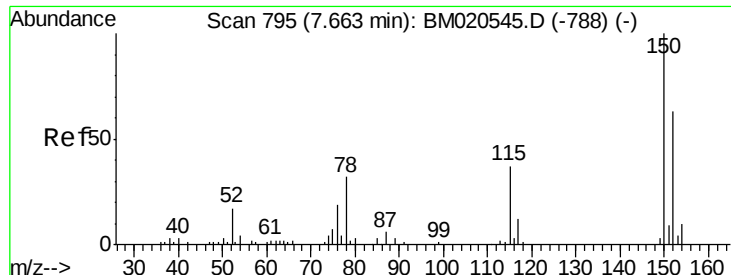
Instrument :
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SU-03-052219-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

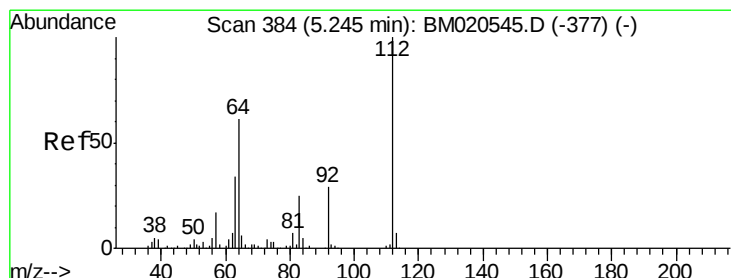
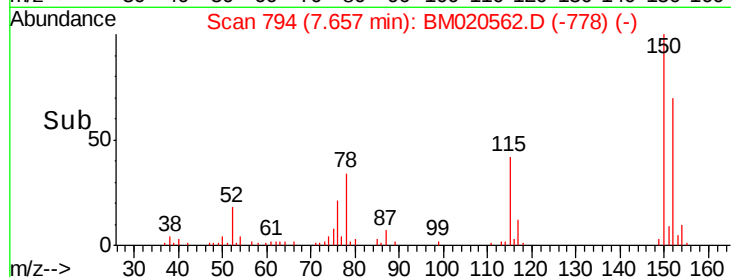
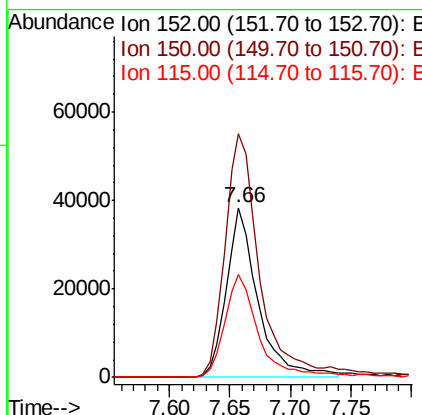
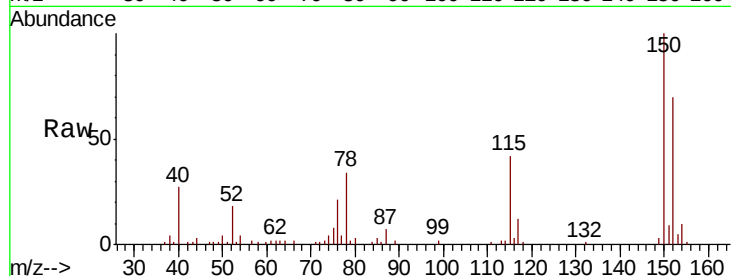
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.3	126.6	190.0
115	60.3	46.6	70.0

Manual Integrations
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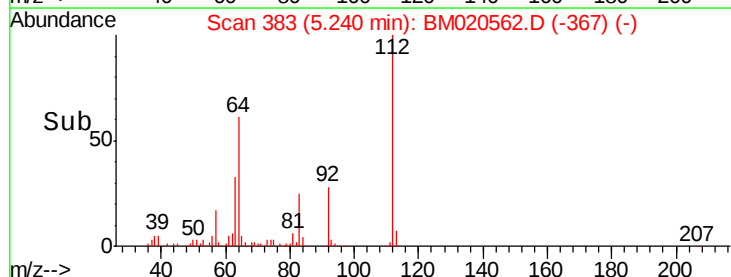
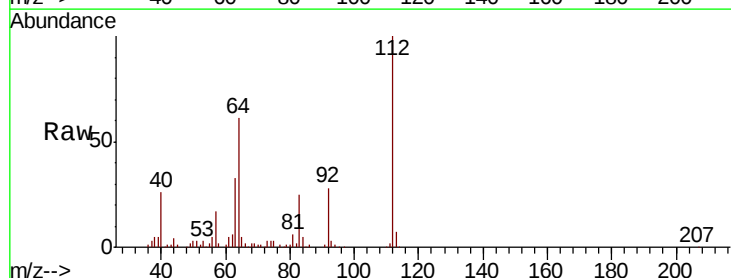
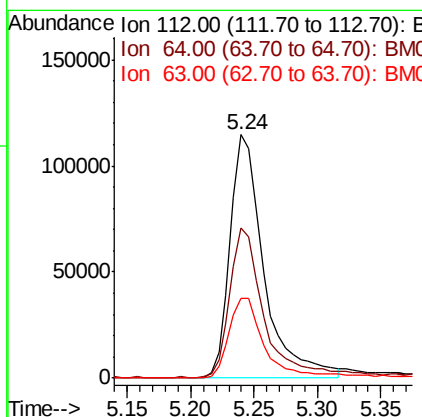
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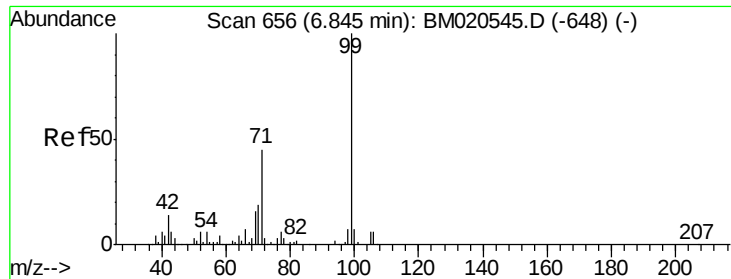


#5

2-Fluorophenol
Concen: 59.498 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	48.6	73.0
63	32.7	27.4	41.0





#7

Phenol-d6

Concen: 54.461 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Instrument :

BNA_M

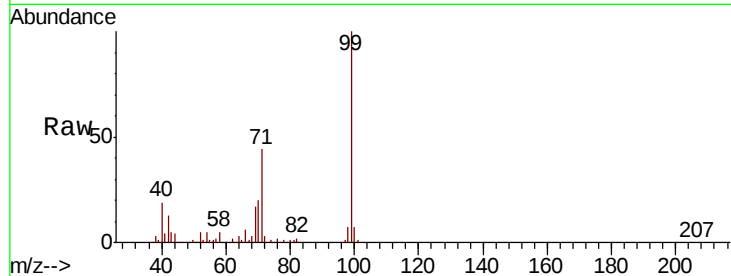
ClientSampleId :

SU-03-052219-A

Tot Ion:	99	Resp:	294429
Ion Ratio	Lower	Upper	
99	100		
42	13.0	10.8	16.2
71	44.2	36.3	54.5

Manual Integrations
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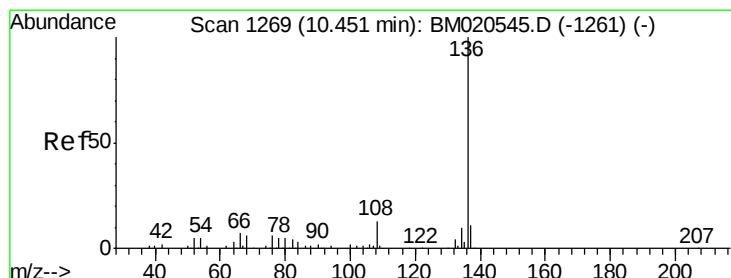
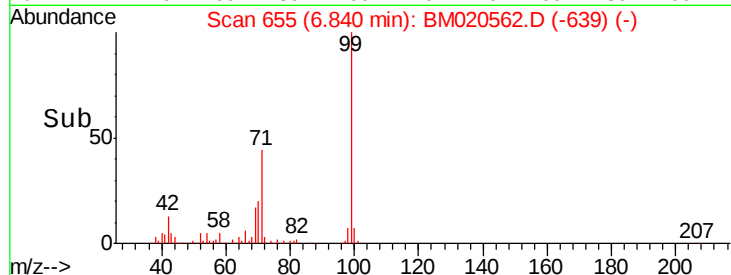
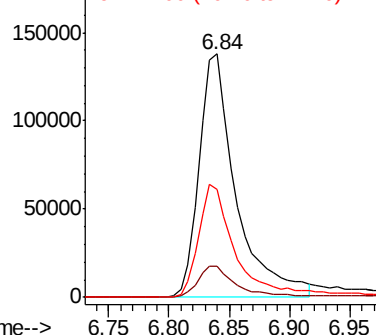


Abundance

Ion 99.00 (98.70 to 99.70): BM020545.D (-648) (-)

Ion 42.00 (41.70 to 42.70): BM020545.D (-648) (-)

Ion 71.00 (70.70 to 71.70): BM020545.D (-648) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Tgt Ion:	136	Resp:	264095
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	5.2	4.2	6.4
68	5.8	4.6	7.0

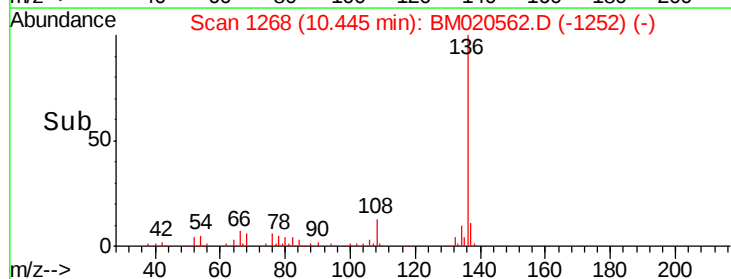
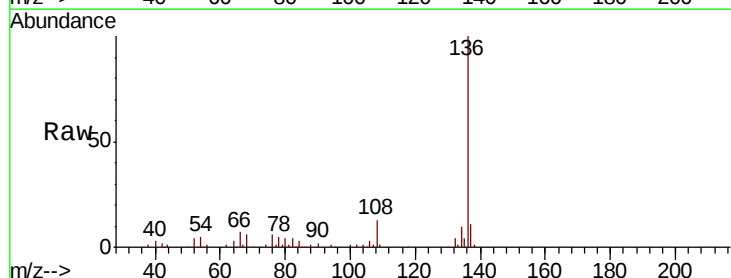
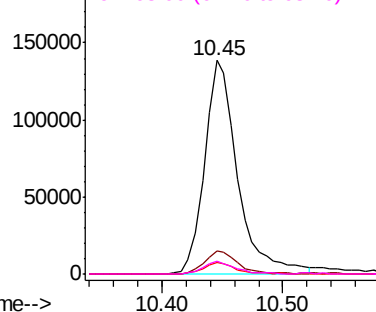
Abundance

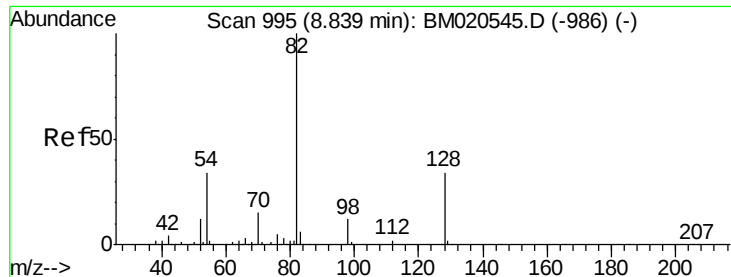
Ion 136.00 (135.70 to 136.70): BM020545.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM020545.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM020545.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM020545.D (-1261) (-)





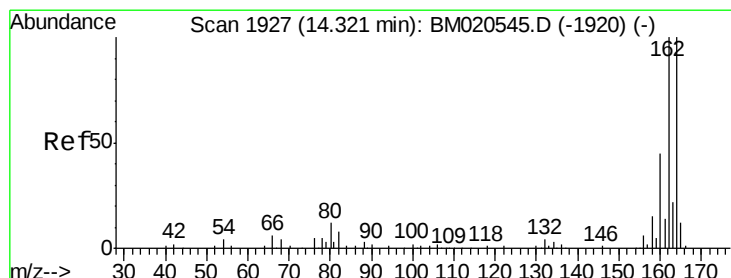
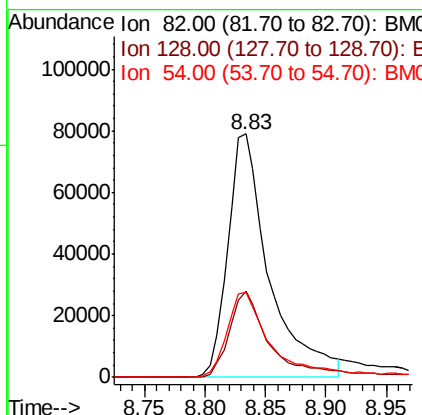
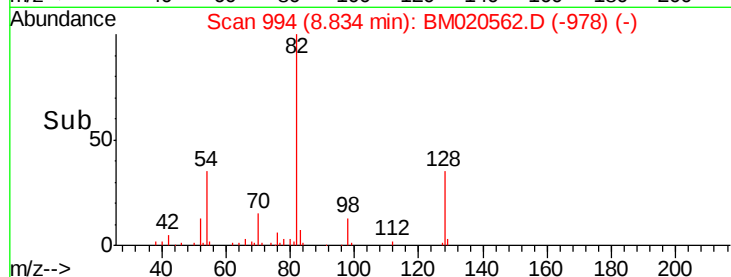
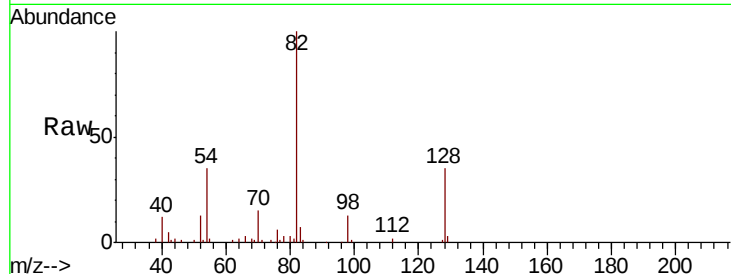
#23
Nitrobenzene-d5
Concen: 30.057 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	189118		
128	35.3	27.0	40.4	
54	35.0	27.4	41.2	

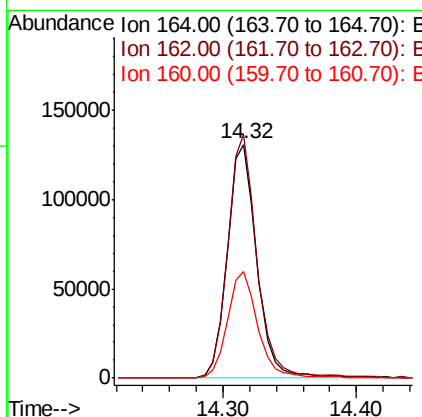
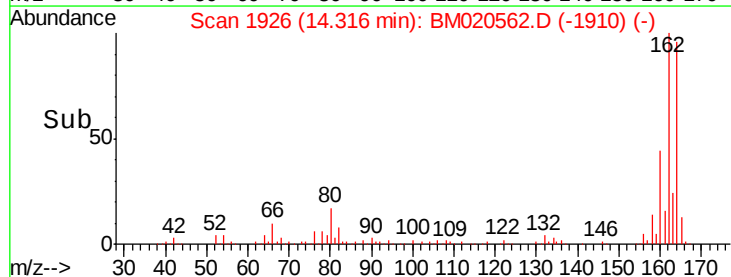
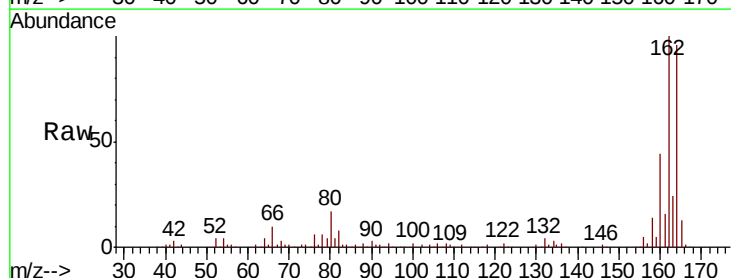
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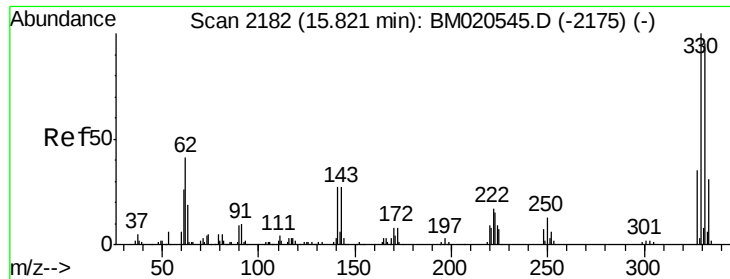
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201493		
162	104.1	79.8	119.8	
160	45.8	35.9	53.9	





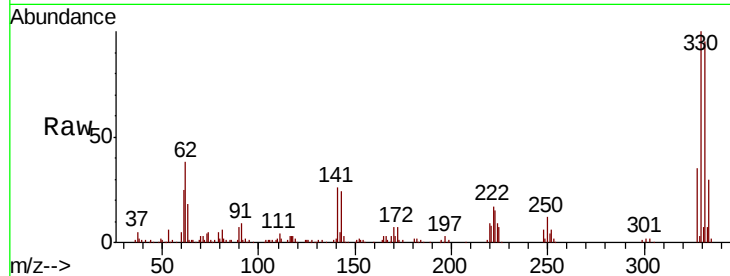
#42
 2,4,6-Tribromophenol
 Concen: 53.270 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BM020562.D
 Acq: 25 May 2019 03:56

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-052219-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	215043		
332	96.1		77.5	116.3
141	28.2		21.7	32.5

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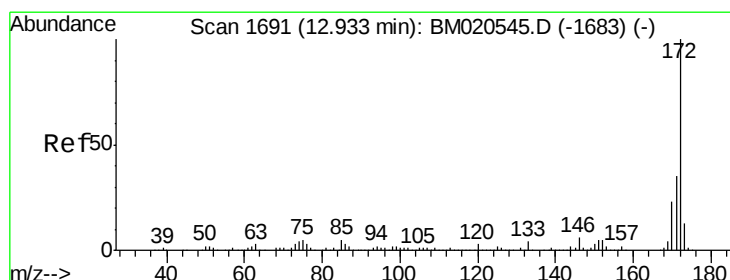
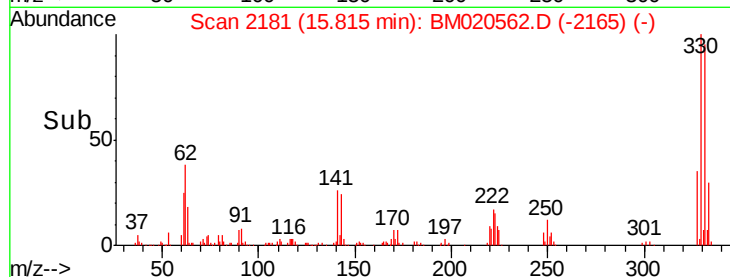
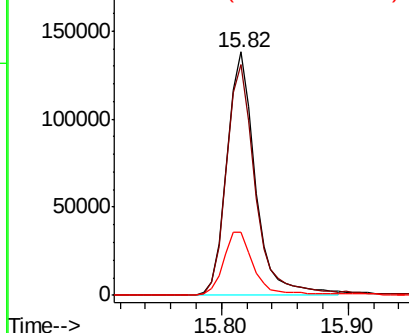


Abundance

Ion 329.80 (329.50 to 330.50): E

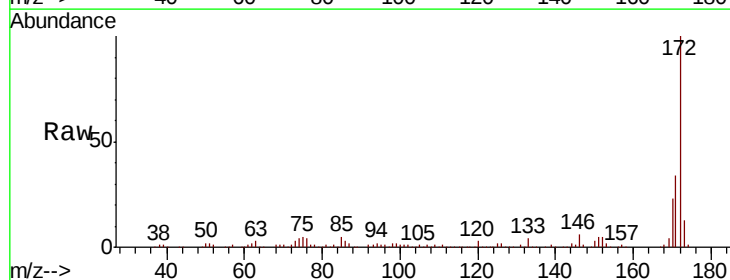
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.559 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM020562.D
 Acq: 25 May 2019 03:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	522815		
171	34.2		27.9	41.9
170	22.6		18.2	27.4

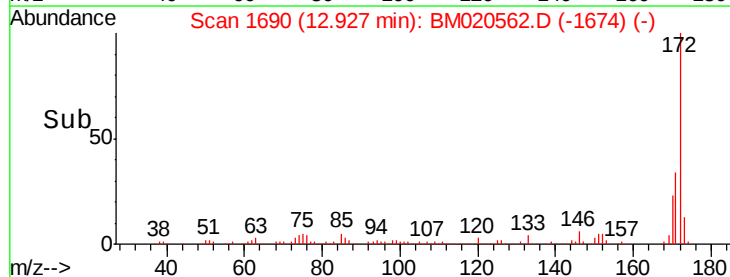
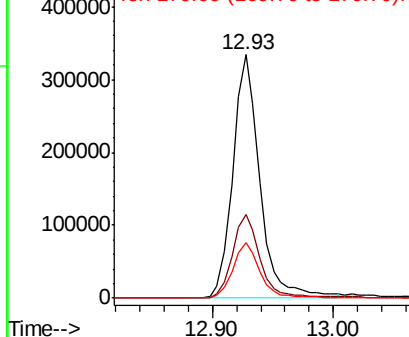


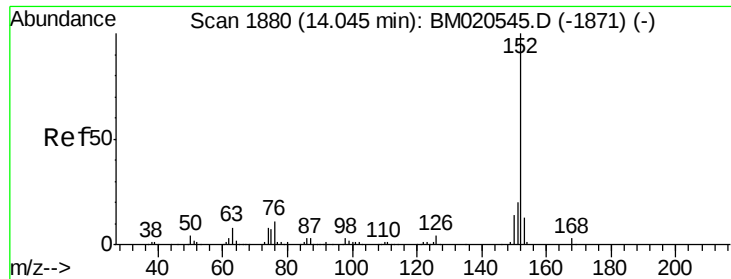
Abundance

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





#49

Acenaphthylene

Concen: 2.106 ng

RT: 14.04 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Instrument :

BNA_M

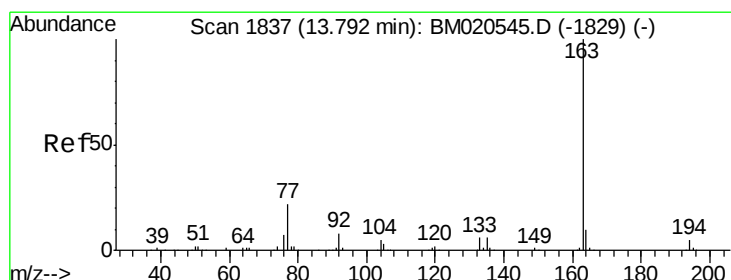
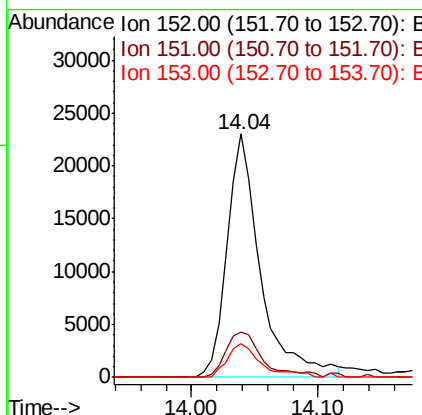
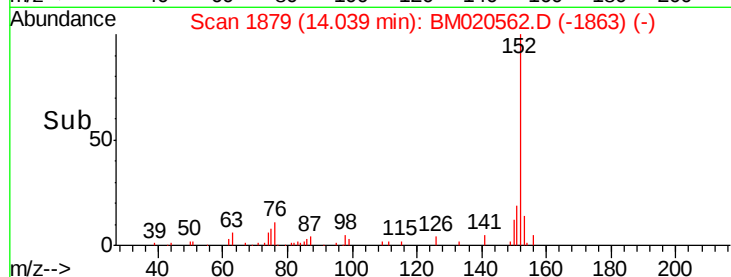
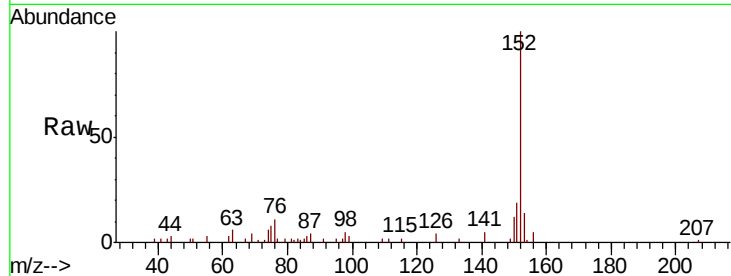
ClientSampleId :

SU-03-052219-A

Tot Ion:	152	Resp:	42133
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.7	23.5
153	13.8	10.2	15.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.256 ng

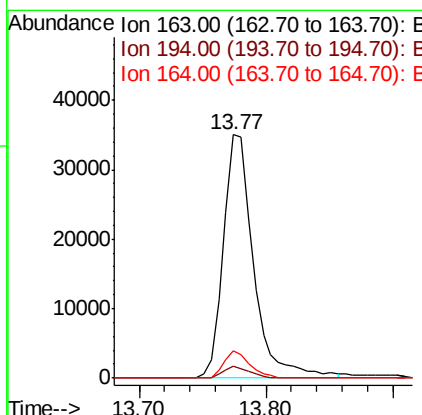
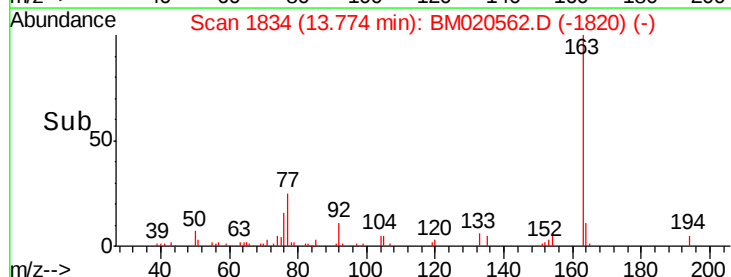
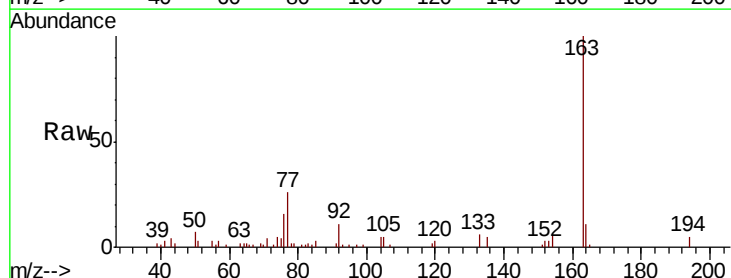
RT: 13.77 min Scan# 1834

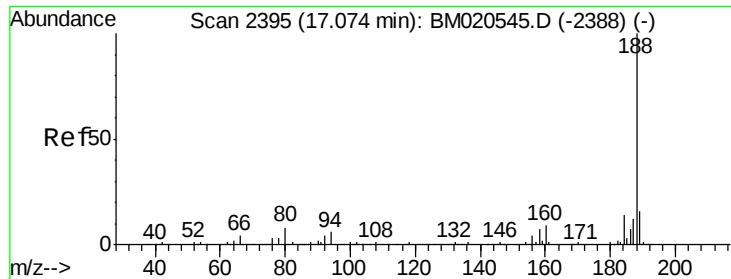
Delta R.T. -0.02 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Tgt Ion:	163	Resp:	58106
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.9	5.9
164	11.0	8.0	12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Instrument :

BNA_M

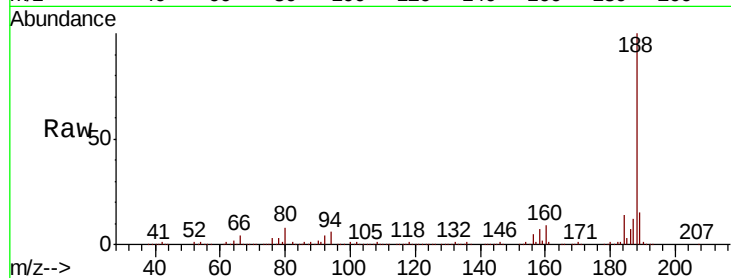
ClientSampleId :

SU-03-052219-A

Tot Ion:	188	Resp:	563887
Ion Ratio	Lower	Upper	
188	100		
94	6.0	5.0	7.4
80	8.0	6.5	9.7

Manual Integrations
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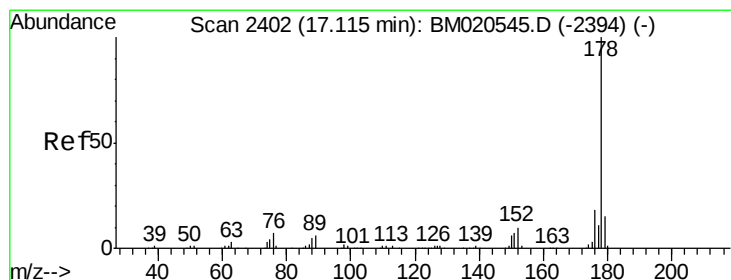
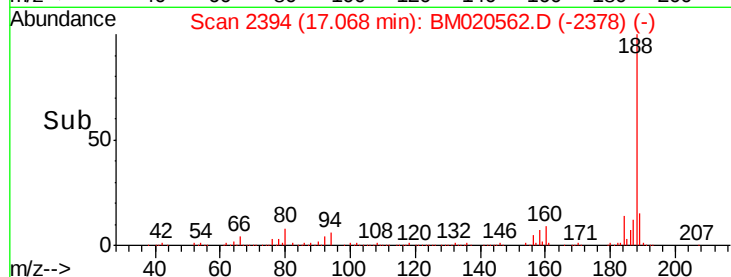
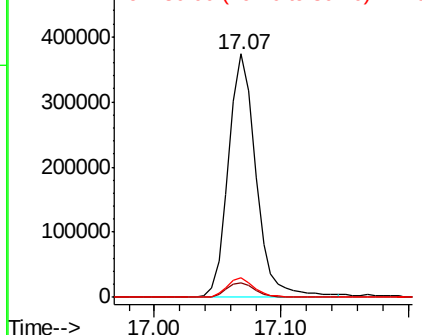
mohammad
5/27/2019 4:00:26 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 7.434 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM020562.D

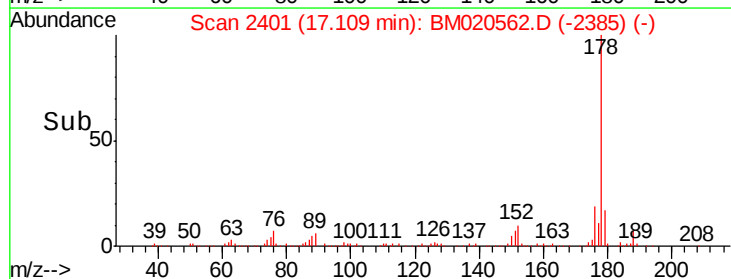
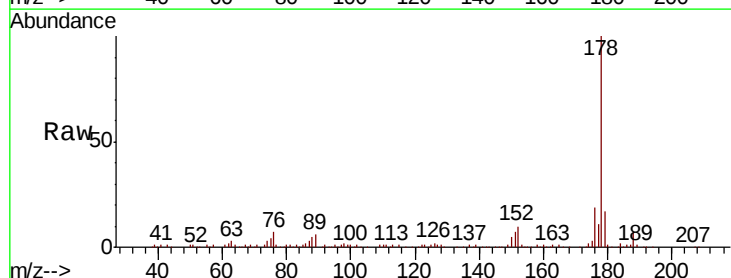
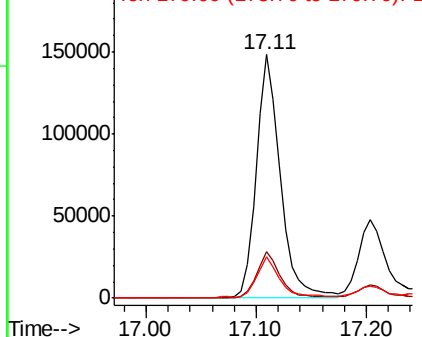
Acq: 25 May 2019 03:56

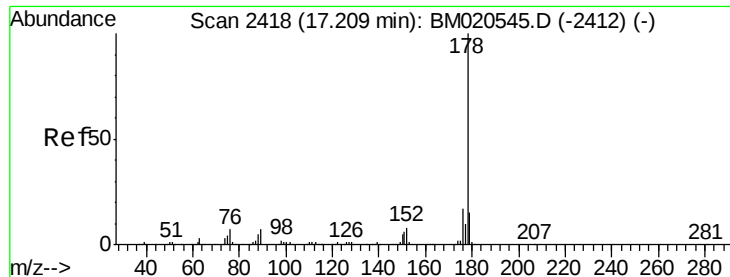
Tgt Ion:	178	Resp:	227737
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.7	22.1
179	16.9	12.2	18.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.527 ng

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM020562.D

Acq: 25 May 2019 03:56

Instrument :

BNA_M

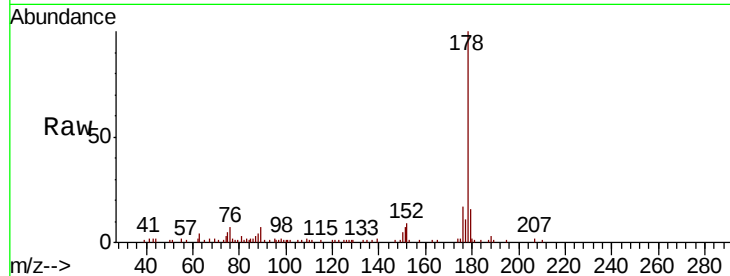
ClientSampleId :

SU-03-052219-A

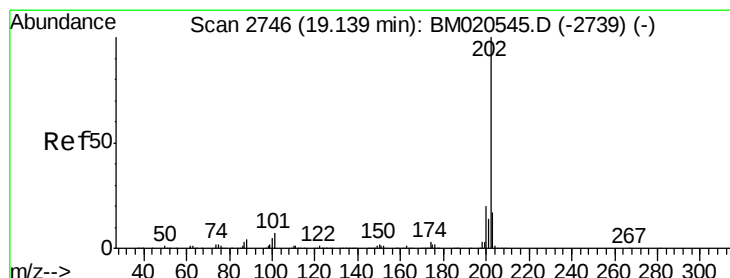
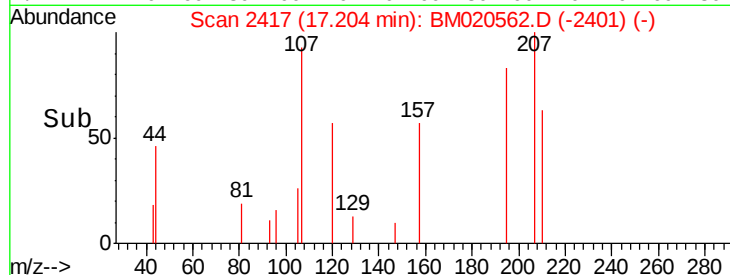
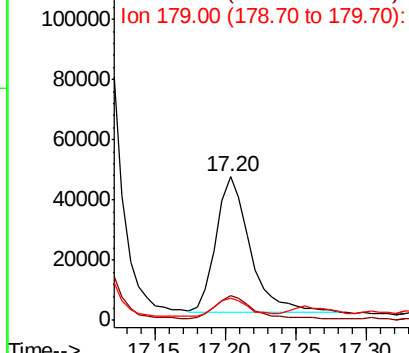
Tot Ion:	178	Resp:	75083
Ion Ratio	Lower	Upper	
178	100		
176	17.3	14.0	21.0
179	15.5	12.4	18.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 15.218 ng

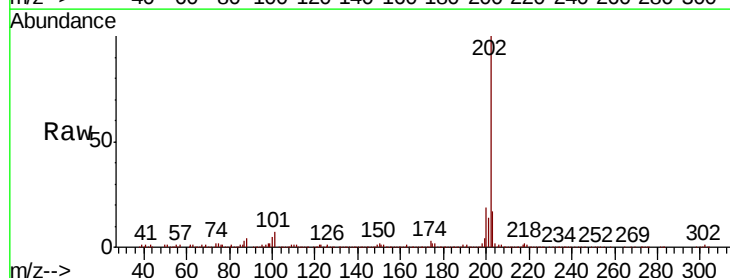
RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

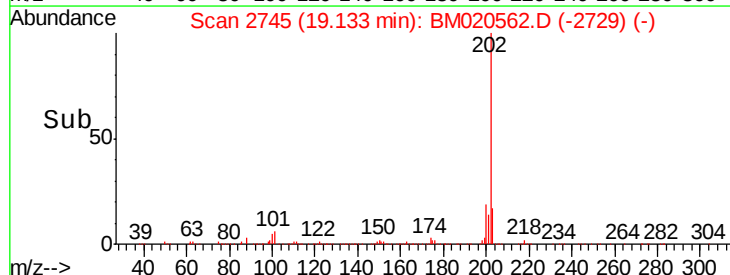
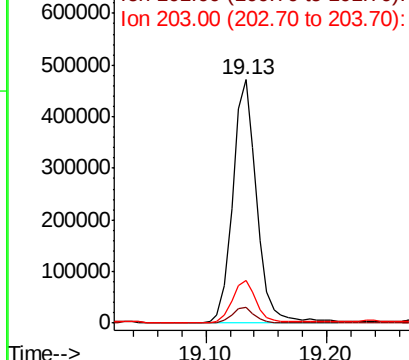
Lab File: BM020562.D

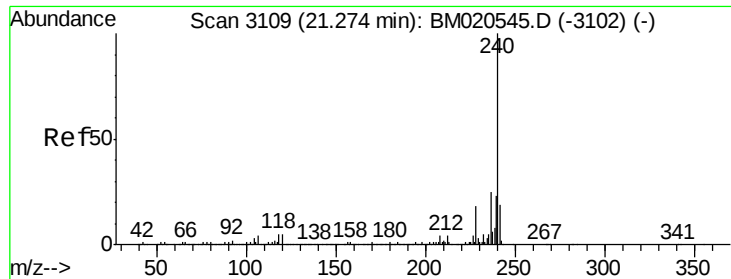
Acq: 25 May 2019 03:56

Tgt Ion:	202	Resp:	648276
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	26.7
203	17.5	0.0	37.4



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





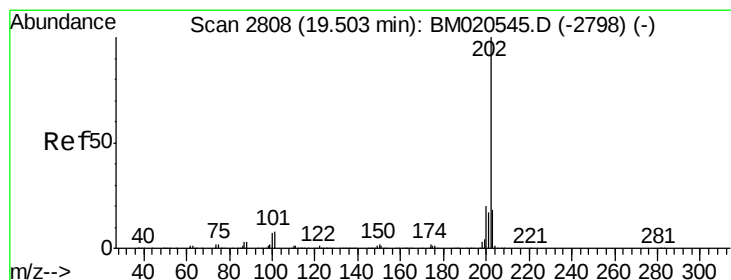
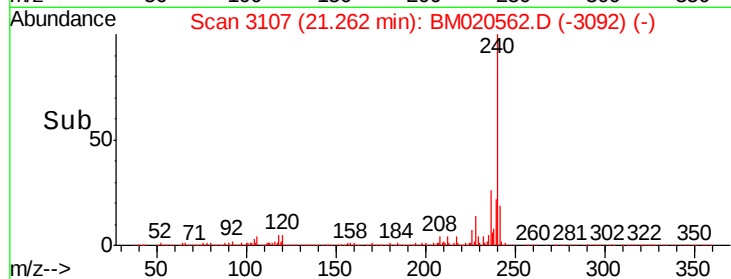
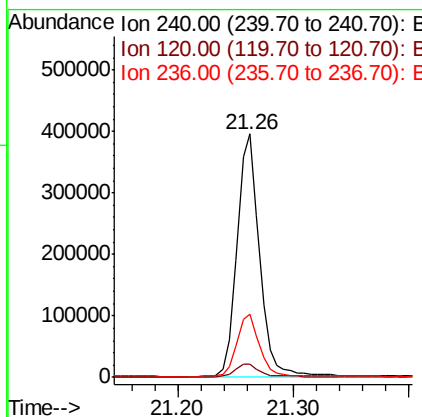
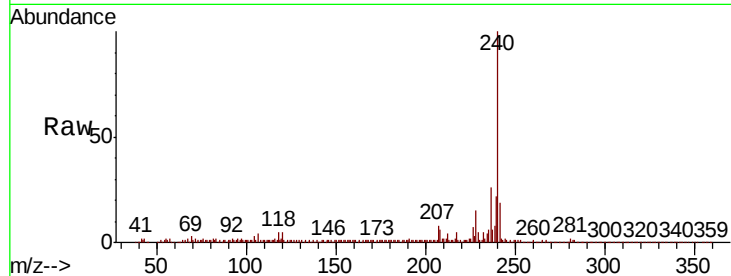
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.1	6.1
236	26.2	20.2	30.4

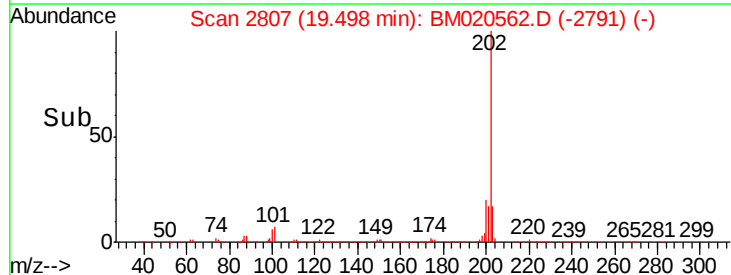
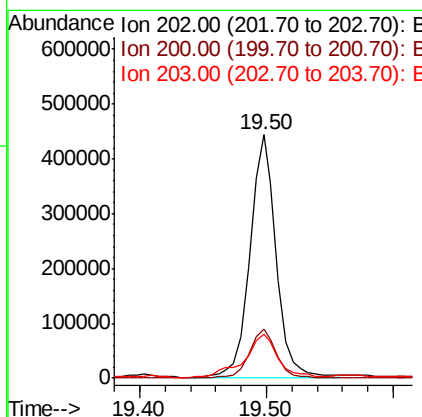
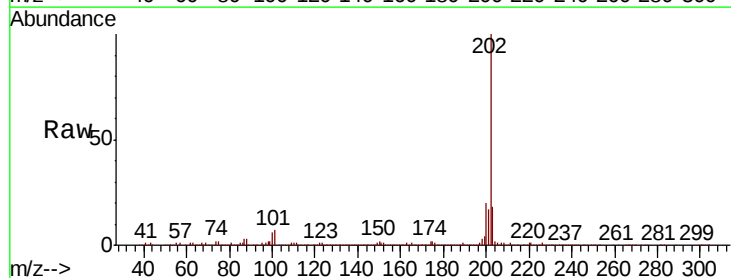
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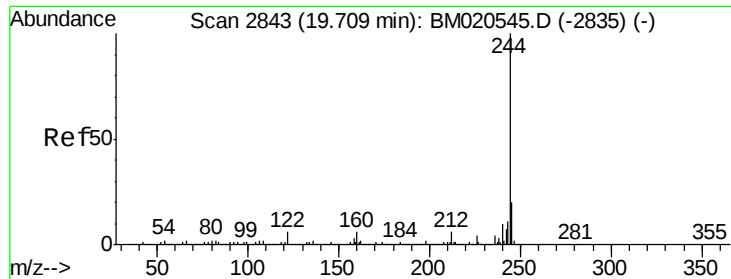
mohammad
5/27/2019 4:00:26 AM



#78
Pyrene
Concen: 19.013 ng
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.0	24.0
203	18.1	14.1	21.1





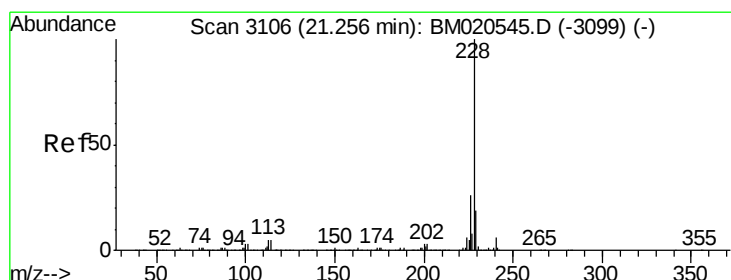
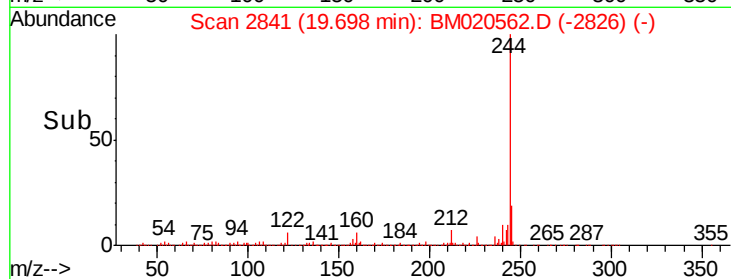
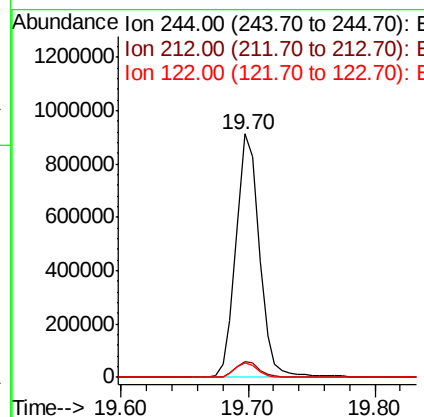
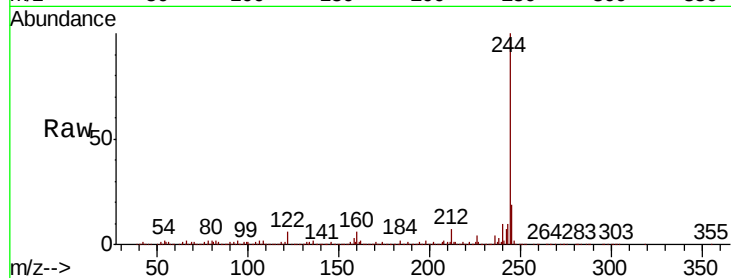
#79
 Terphenyl-d14
 Concen: 39.764 ng
 RT: 19.70 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BM020562.D
 Acq: 25 May 2019 03:56

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-052219-A

Tot Ion:	244	Resp:	1169404
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.6
122	5.8	4.6	7.0

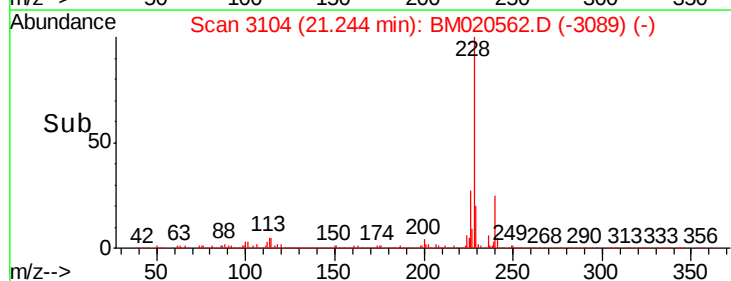
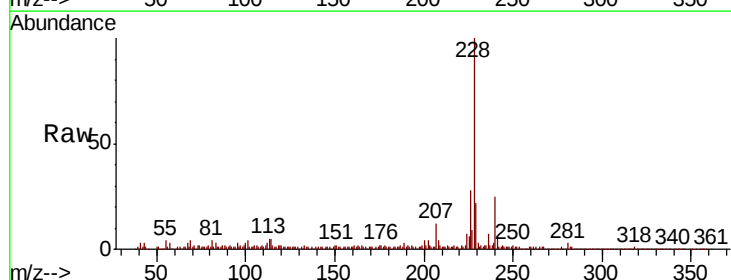
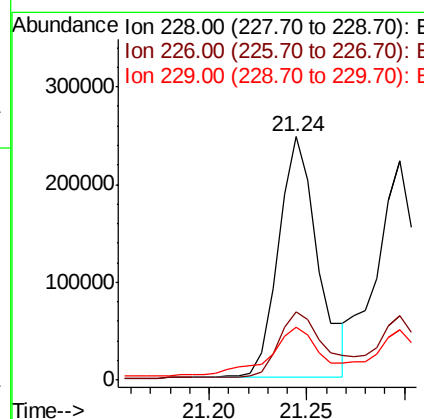
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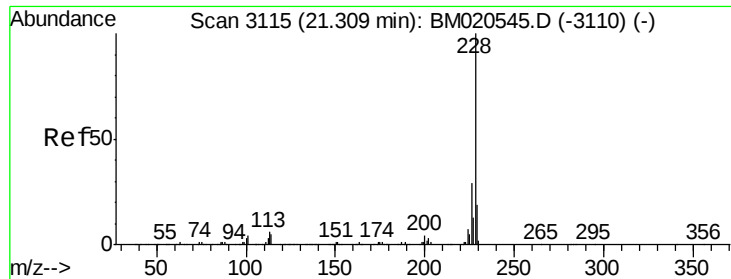
mohammad
 5/27/2019 4:00:26 AM



#81
 Benzo(a)anthracene
 Concen: 9.376 ng
 RT: 21.24 min Scan# 3104
 Delta R.T. -0.01 min
 Lab File: BM020562.D
 Acq: 25 May 2019 03:56

Tgt Ion:	228	Resp:	344989
Ion	Ratio	Lower	Upper
228	100		
226	27.9	20.7	31.1
229	21.7	15.5	23.3





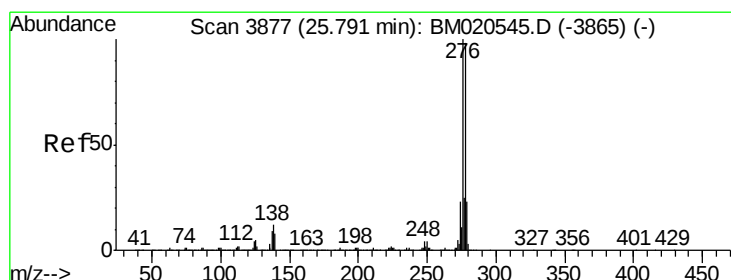
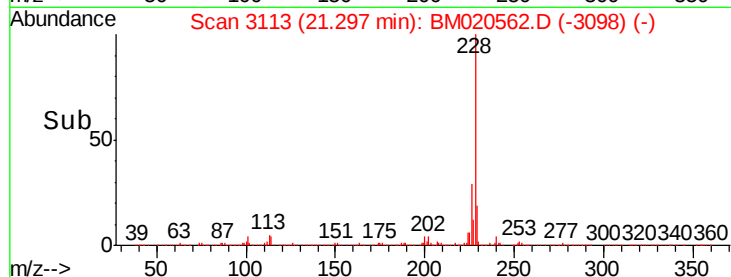
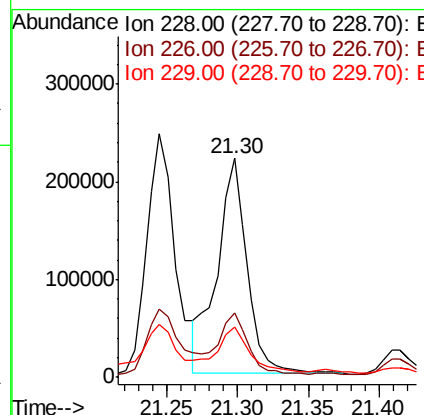
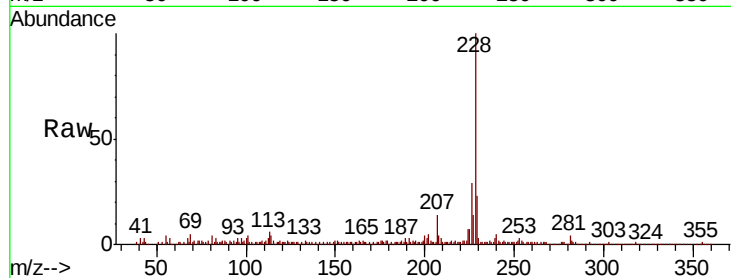
#83
Chrysene
Concen: 9.140 ng
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion:	228	Resp:	324988
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.9	34.3
229	23.1	15.4	23.2

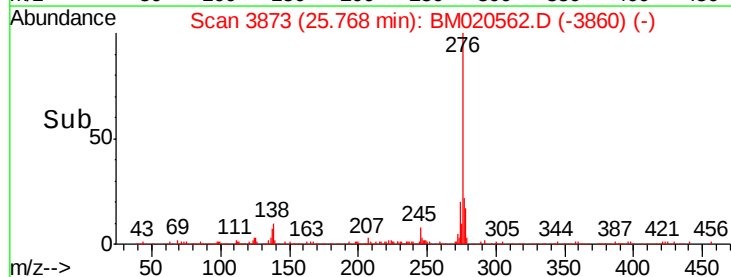
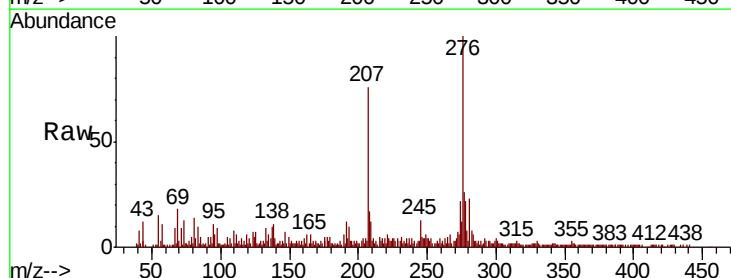
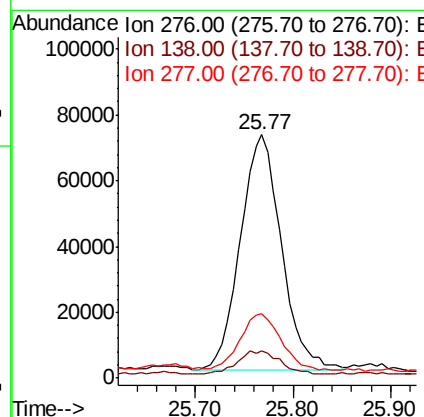
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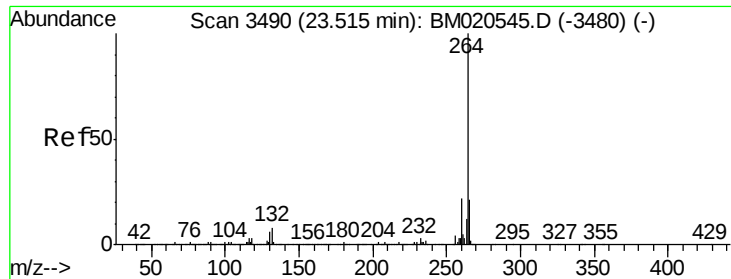
mohammad
5/27/2019 4:00:26 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.855 ng
RT: 25.77 min Scan# 3873
Delta R.T. -0.02 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Tgt Ion:	276	Resp:	208718
Ion Ratio	Lower	Upper	
276	100		
138	10.2	9.7	14.5
277	23.7	20.4	30.6





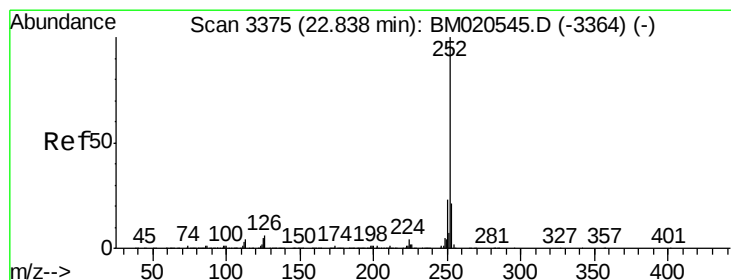
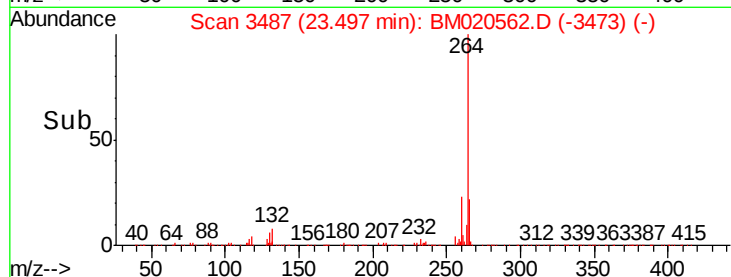
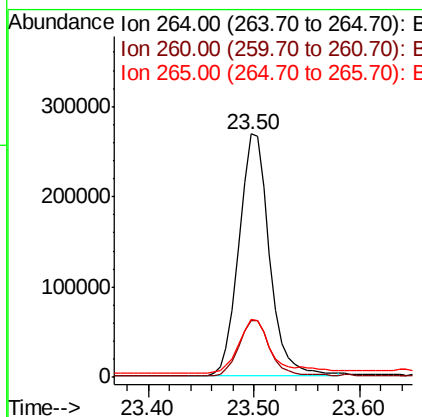
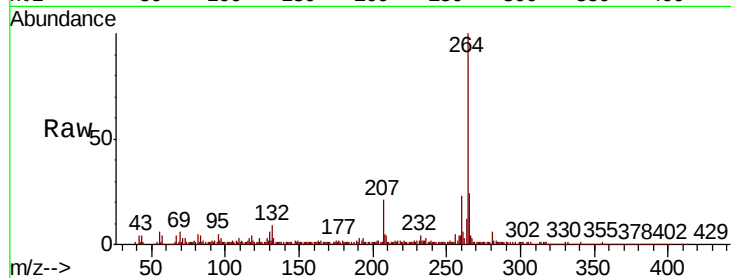
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3487
Delta R.T. -0.02 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.7	26.5
265	24.0	17.4	26.2

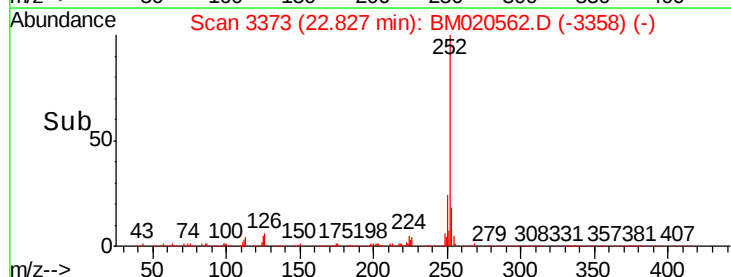
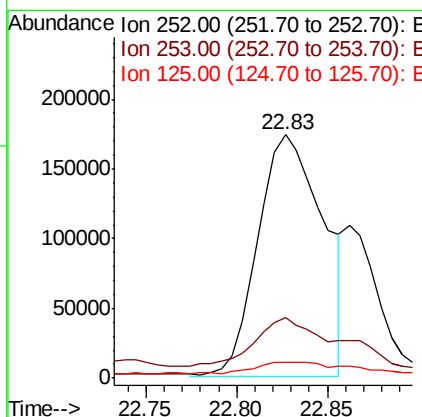
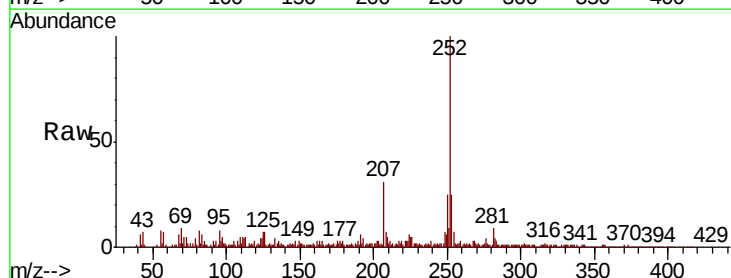
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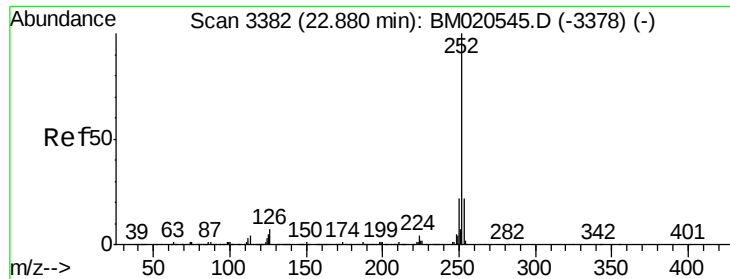
mohammad
5/27/2019 4:00:26 AM



#88
Benzo(b)fluoranthene
Concen: 12.322 ng m
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	6.7	3.8	5.8





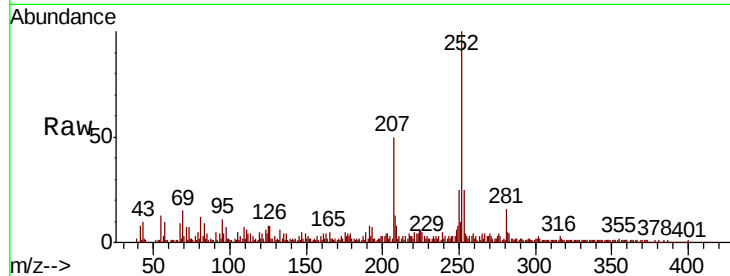
#89
Benzo(k)fluoranthene
Concen: 4.203 ng m
RT: 22.86 min Scan# 3379
Delta R.T. -0.02 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

Instrument :
BNA_M
ClientSampleId :
SU-03-052219-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	7.9	4.2	6.4

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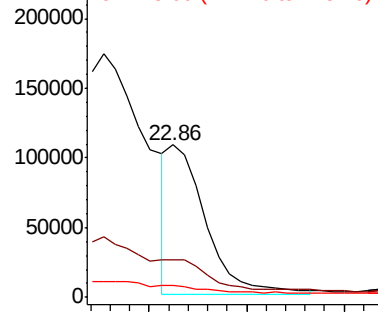


Abundance

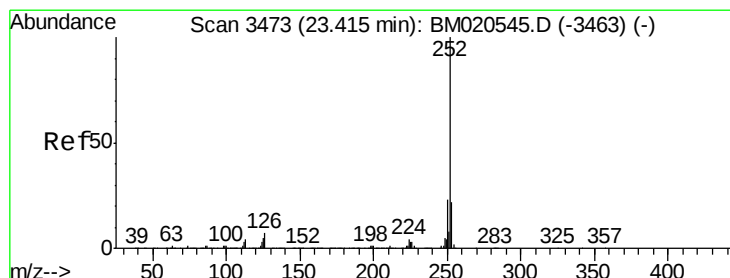
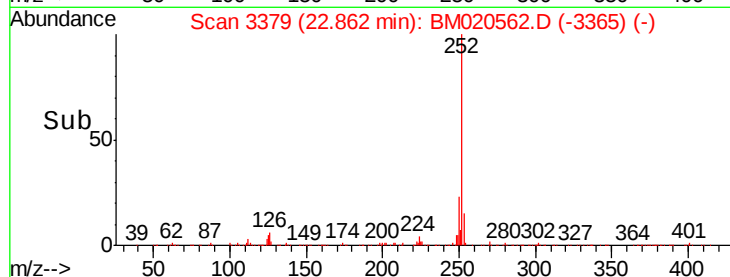
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90
Benzo(a)pyrene
Concen: 9.550 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BM020562.D
Acq: 25 May 2019 03:56

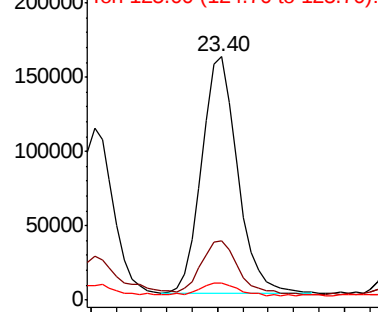
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	7.2	4.2	6.4

Abundance

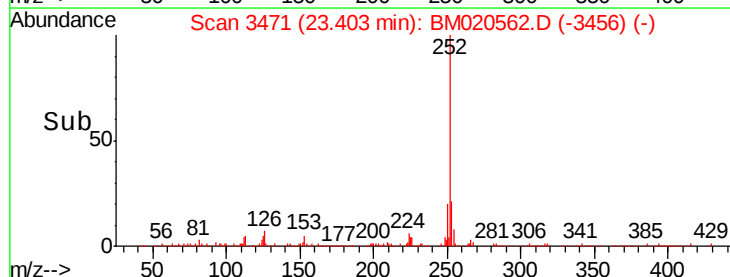
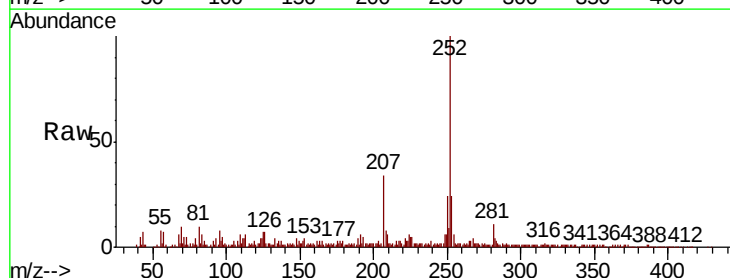
Ion 252.00 (251.70 to 252.70): E

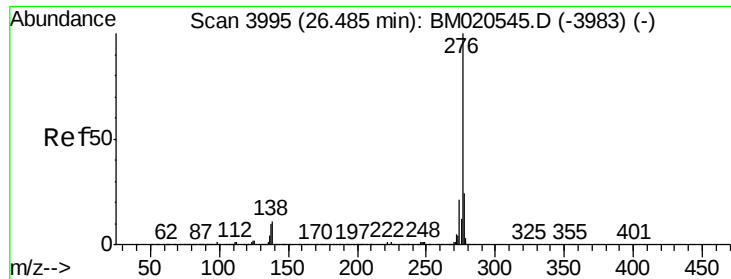
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#92
 Benzo(a,h,i)perylene
 Concen: 7.039 ng
 RT: 26.46 min Scan# 3991
 Delta R.T. -0.02 min
 Lab File: BM020562.D
 Acq: 25 May 2019 03:56

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-052219-A

Tot Ion:	276	Resp:	217041
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	10.6	8.6	12.8

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:00:26 AM

