

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
 Data File : BM020561.D
 Acq On : 25 May 2019 03:20
 Operator : JU/SJ
 Sample : K3026-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-3-S

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:00:21 AM

Quant Time: May 25 06:36:13 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	68117	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	235360	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	182223	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	564833	20.00	ng	0.00
76) Chrysene-d12	21.26	240	537811	20.00	ng	-0.01
87) Perylene-d12	23.50	264	521694	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	391758	112.83	ng	0.00
7) Phenol-d6	6.84	99	555022	105.91	ng	0.00
23) Nitrobenzene-d5	8.83	82	357962	63.84	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	387938	106.26	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	661761	45.57	ng	0.00
79) Terphenyl-d14	19.70	244	1669543	56.12	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	13.78	163	72241	4.476	ng	99
71) Phenanthrene	17.11	178	311456	10.150	ng	99
72) Anthracene	17.20	178	82722	2.780	ng	99
75) Fluoranthene	19.15	202	1129539	26.471	ng	99
78) Pyrene	19.50	202	1149383	34.042	ng	99
81) Benzo(a)anthracene	21.25	228	1067596	28.682	ng	96
83) Chrysene	21.30	228	888686	24.708	ng	95
86) Indeno(1,2,3-cd)pyrene	25.76	276	423416	9.736	ng	96
88) Benzo(b)fluoranthene	22.83	252	986841m	28.901	ng	
89) Benzo(k)fluoranthene	22.87	252	395042m	11.921	ng	
90) Benzo(a)pyrene	23.40	252	801698	25.514	ng	99
91) Dibenzo(a,h)anthracene	25.76	278	120989	3.762	ng	# 87
92) Benzo(a,h,i)perylene	26.46	276	386042	12.948	ng	96

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

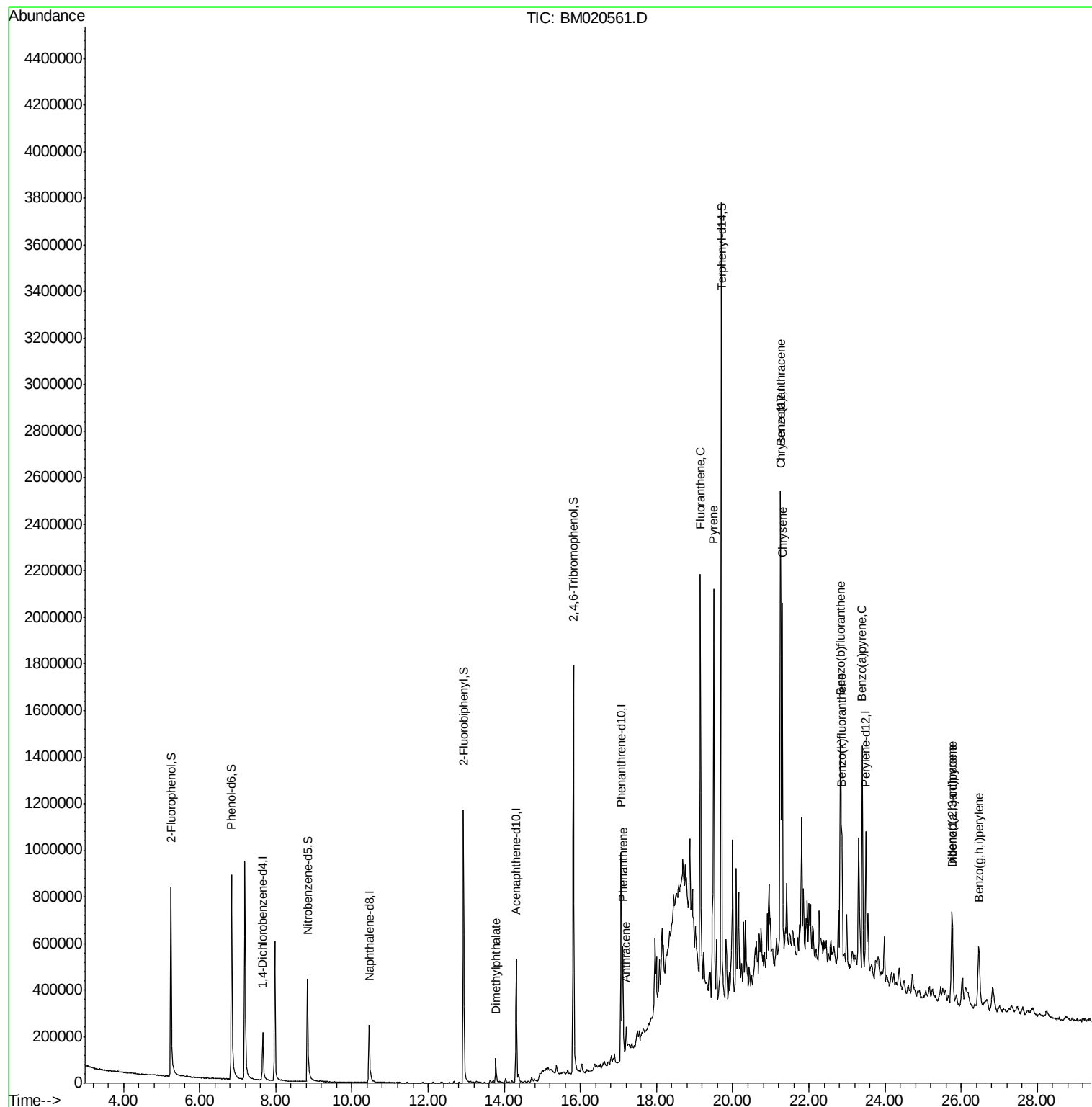
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
Data File : BM020561.D
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Sample : K3026-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

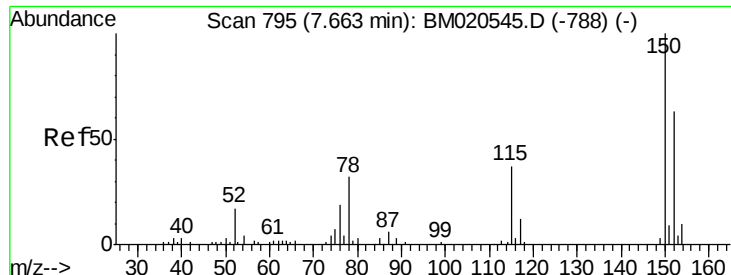
Instrument :
BNA_M
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

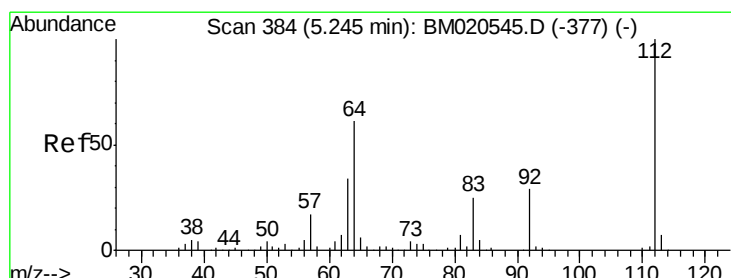
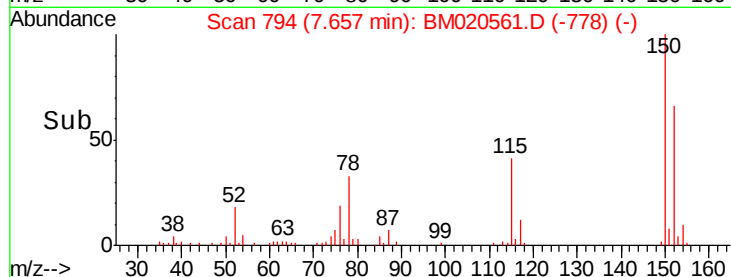
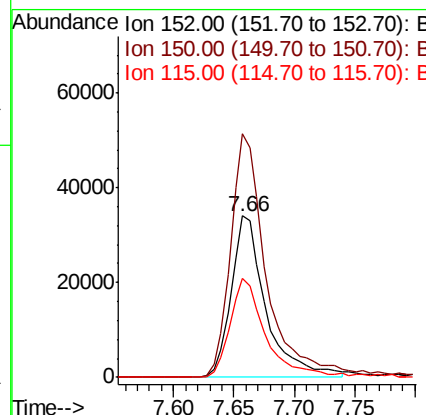
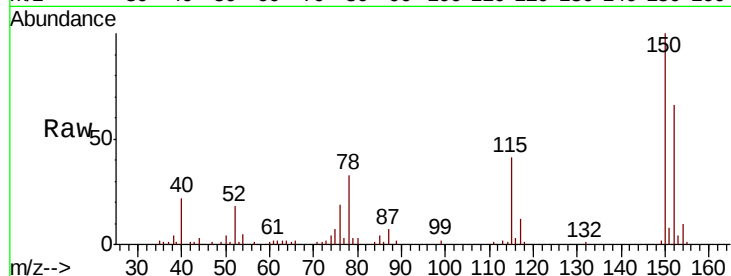
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	126.6	190.0
115	61.3	46.6	70.0

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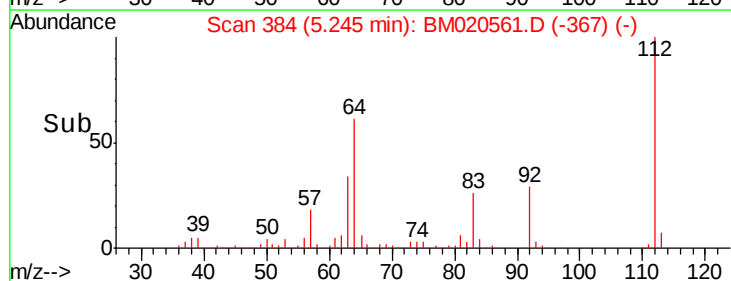
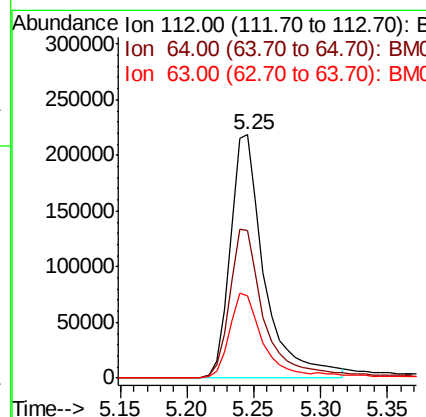
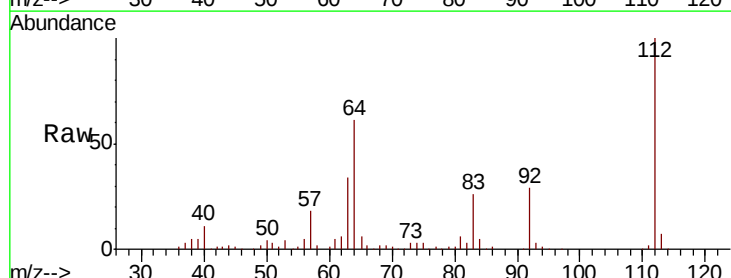
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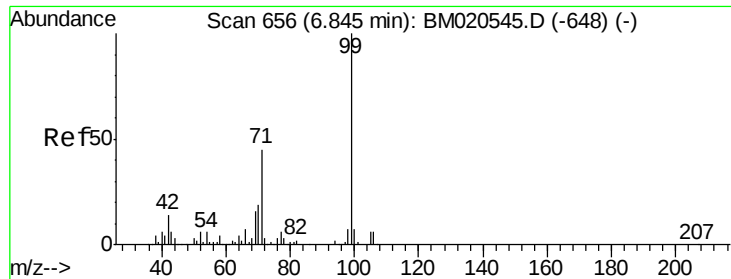


#5

2-Fluorophenol
Concen: 112.829 ng
RT: 5.25 min Scan# 384
Delta R.T. 0.00 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.6	73.0
63	34.0	27.4	41.0





#7

Phenol-d6

Concen: 105.907 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Instrument :

BNA_M

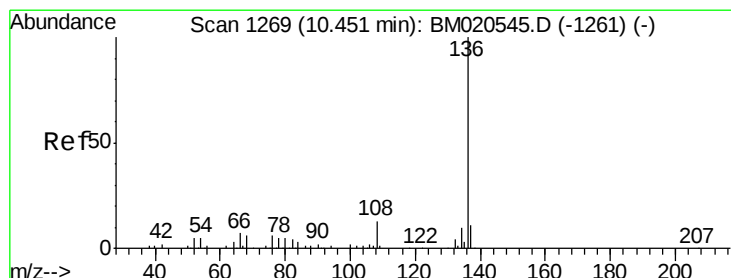
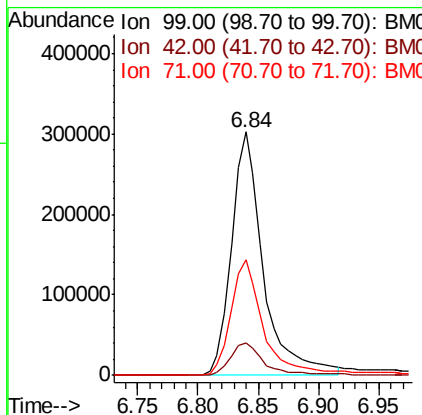
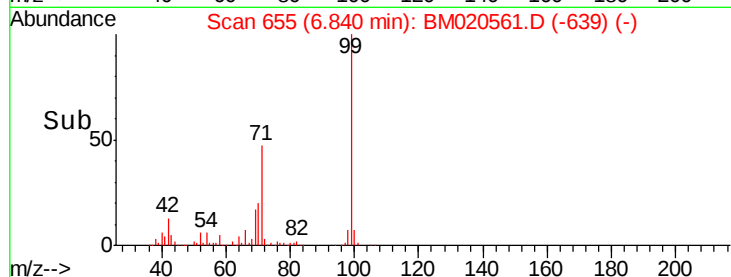
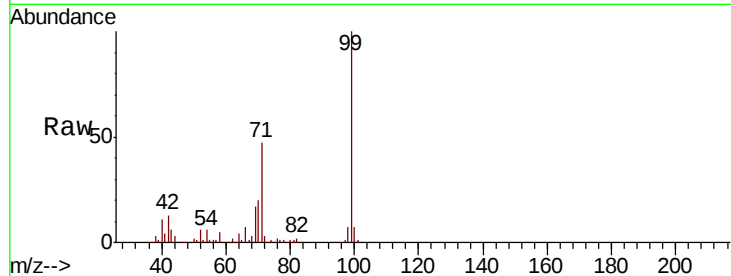
ClientSampleId :

TP-3-S

Tot Ion:	99	Resp:	555022
Ion Ratio	Lower	Upper	
99	100		
42	13.3	10.8	16.2
71	47.4	36.3	54.5

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#21

Naphthalene-d8

Concen: 20.000 ng

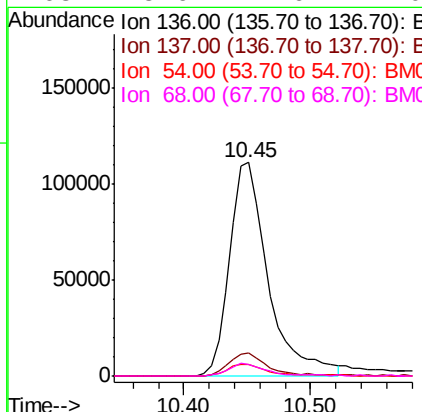
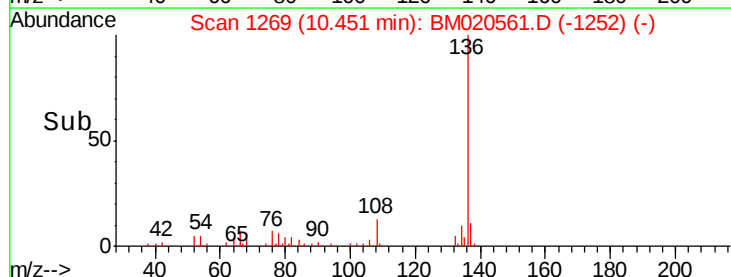
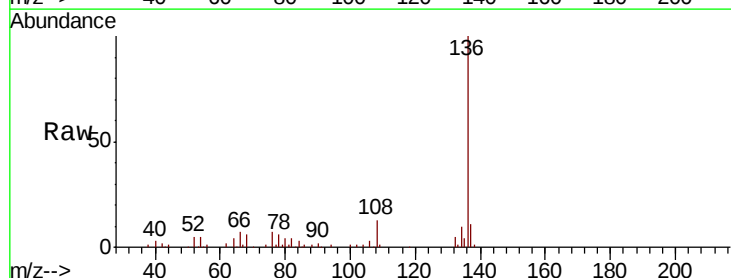
RT: 10.45 min Scan# 1269

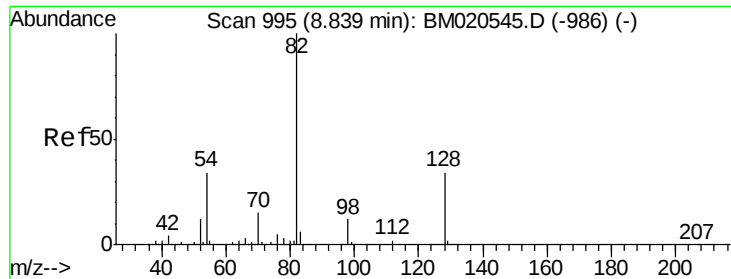
Delta R.T. 0.00 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Tgt Ion:	136	Resp:	235360
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	5.2	4.2	6.4
68	5.6	4.6	7.0





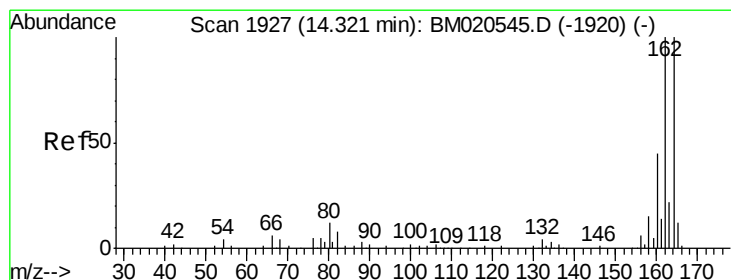
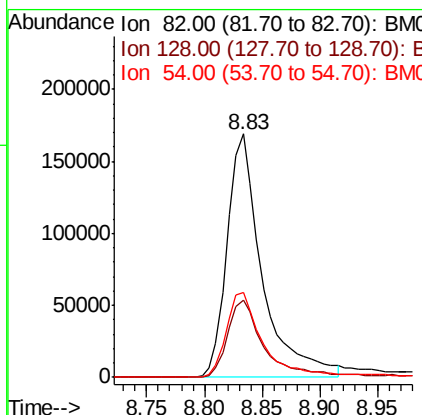
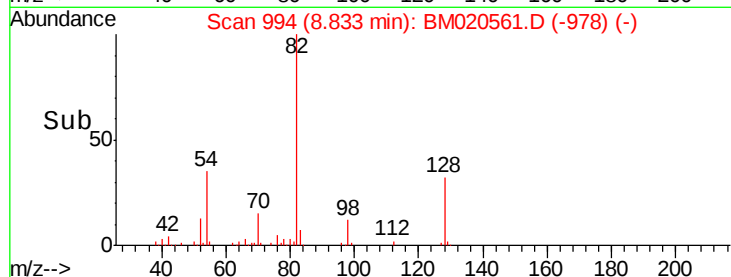
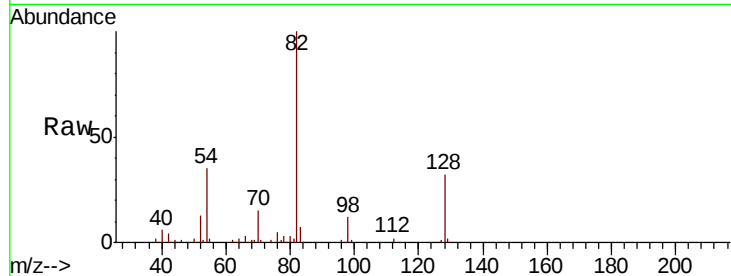
#23
Nitrobenzene-d5
Concen: 63.837 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampleId :
TP-3-S

Tot Ion	82	Resp	357962
Ion	Ratio	Lower	Upper
82	100		
128	31.8	27.0	40.4
54	34.7	27.4	41.2

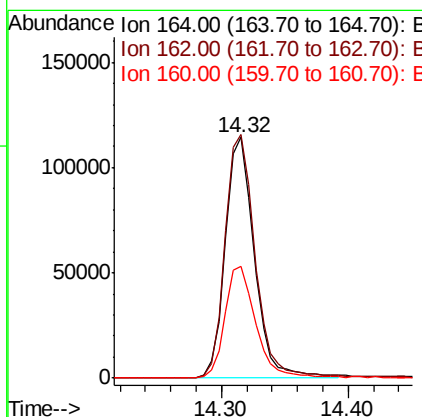
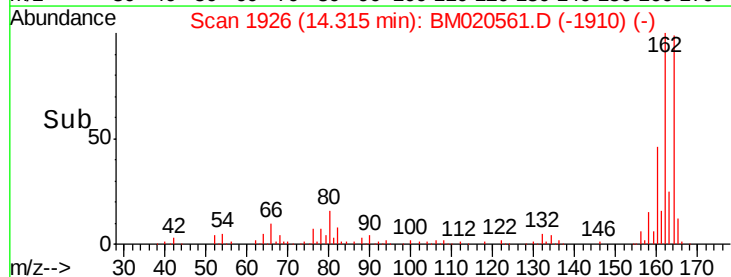
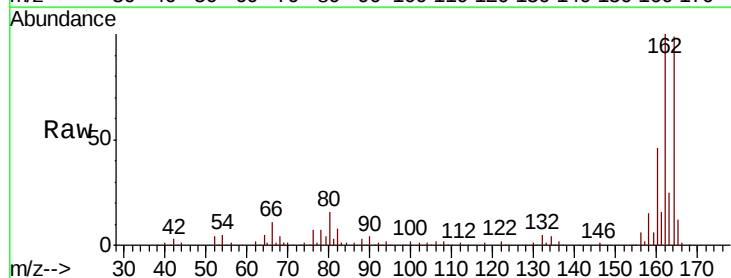
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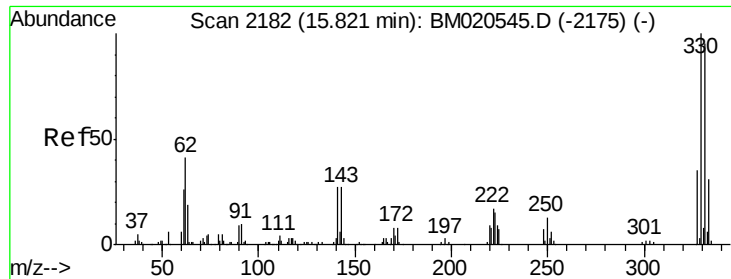
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	164	Resp	182223
Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.8	119.8
160	46.5	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 106.262 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Instrument :

BNA_M

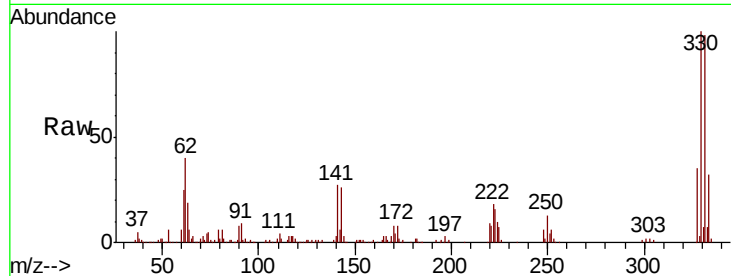
ClientSampleId :

TP-3-S

Tot Ion:	330	Resp:	387938
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.5	116.3
141	28.1	21.7	32.5

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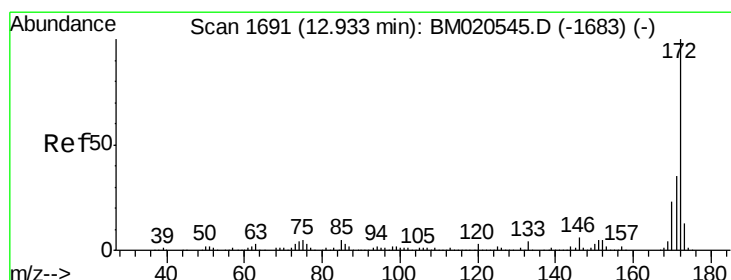
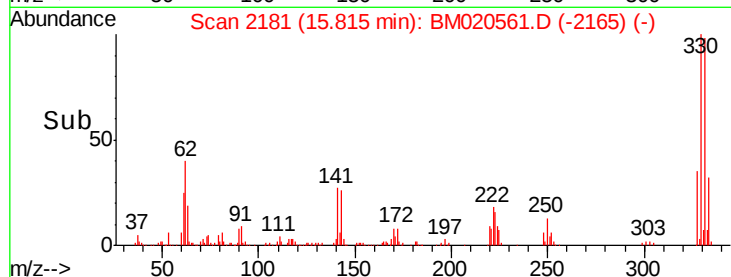
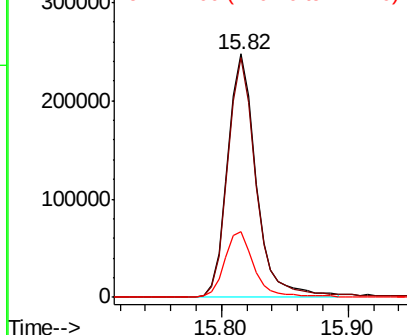


Abundance

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: 45.570 ng

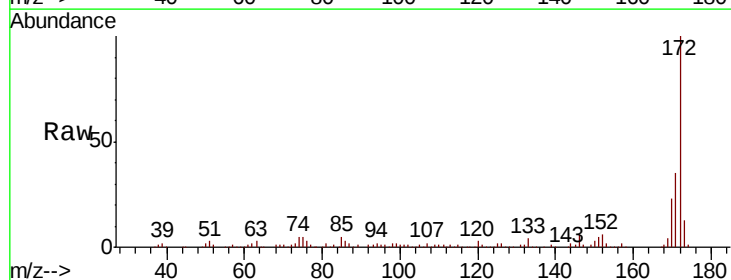
RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Tgt Ion:	172	Resp:	661761
Ion Ratio	Lower	Upper	
172	100		
171	34.5	27.9	41.9
170	22.9	18.2	27.4

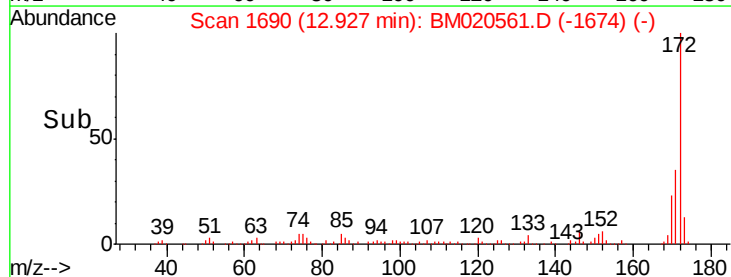
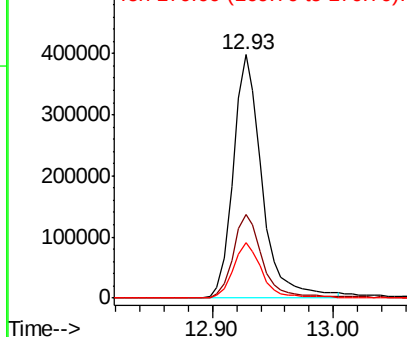


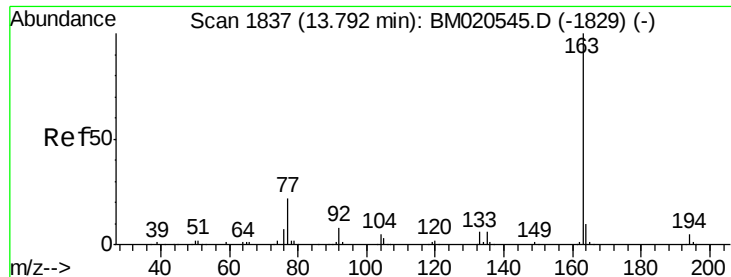
Abundance

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





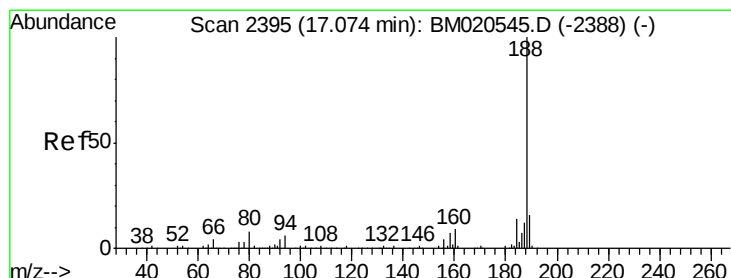
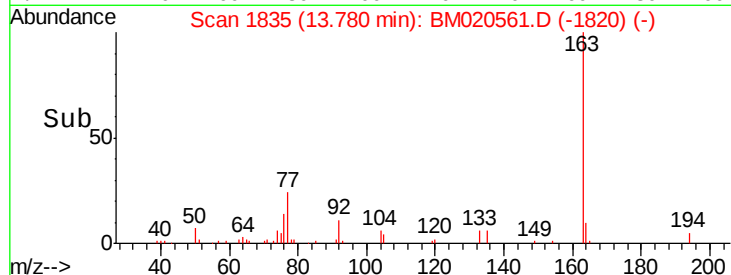
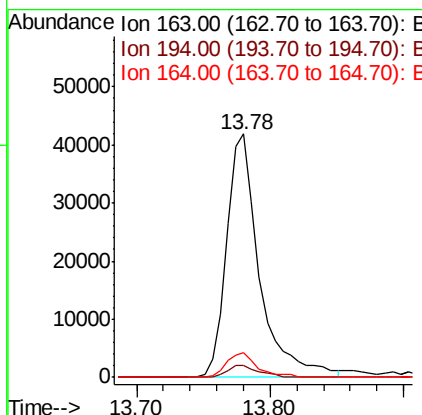
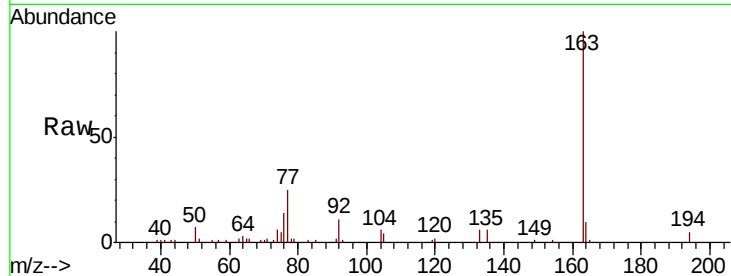
#50
Dimethylphthalate
Concen: 4.476 ng
RT: 13.78 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.9	5.9
164	10.3	8.0	12.0

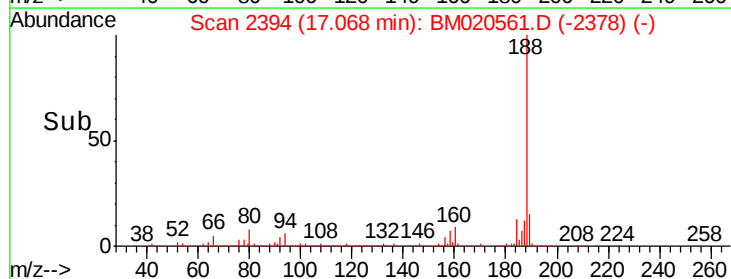
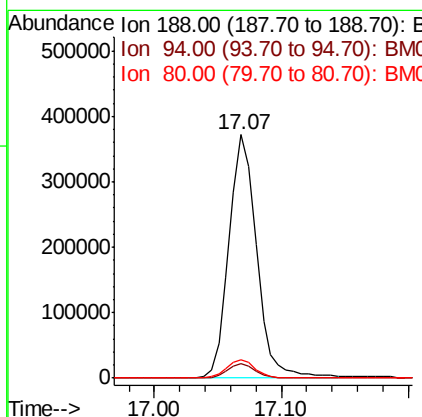
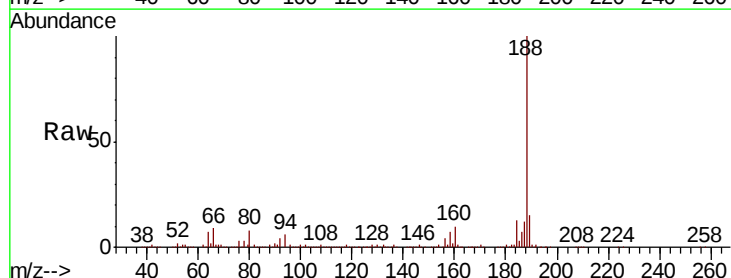
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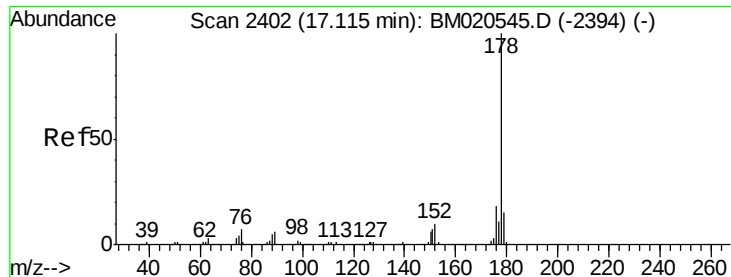
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	5.0	7.4
80	7.8	6.5	9.7





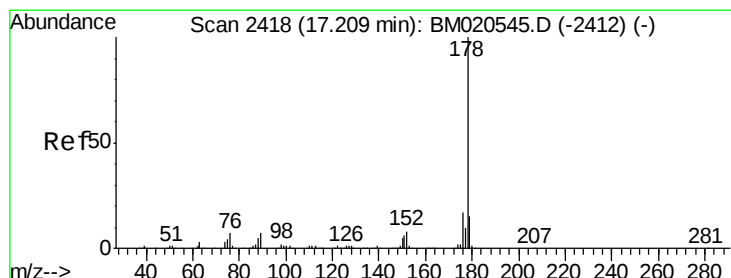
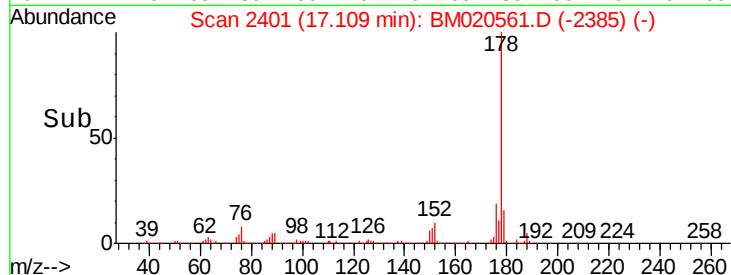
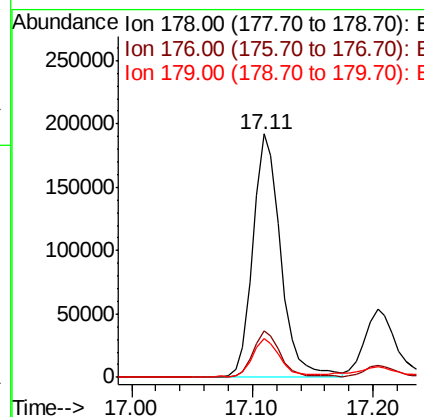
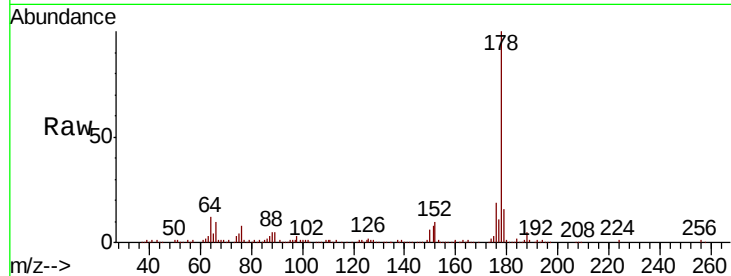
#71
Phenanthrene
Concen: 10.150 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampleId :
TP-3-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.9	12.2	18.2

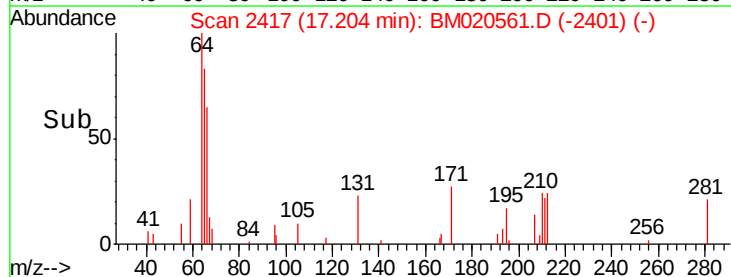
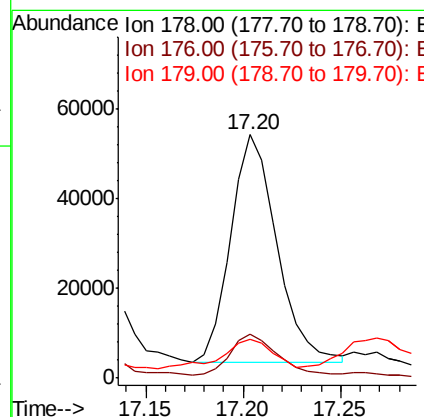
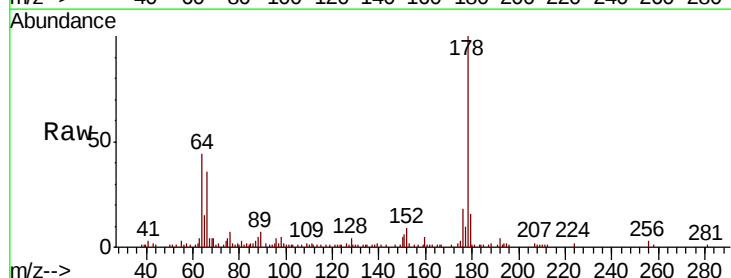
Manual Integrations
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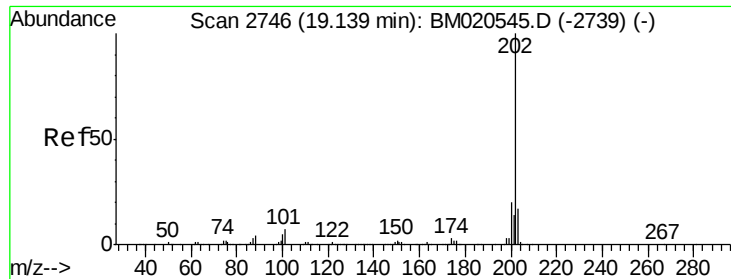
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#72
Anthracene
Concen: 2.780 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.0	21.0
179	15.9	12.4	18.6





#75

Fluoranthene

Concen: 26.471 ng

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Instrument :

BNA_M

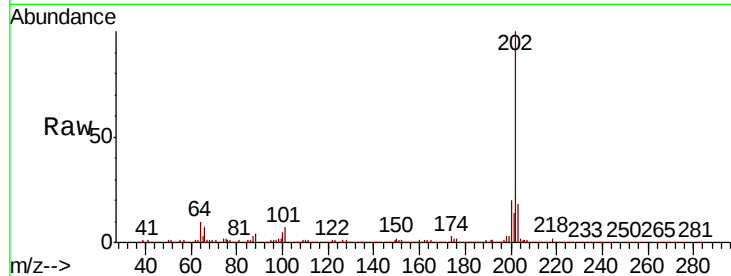
ClientSampled :

TP-3-S

Tot Ion:	202	Resp:	1129539
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.7
203	17.8	0.0	37.4

Manual Integrations
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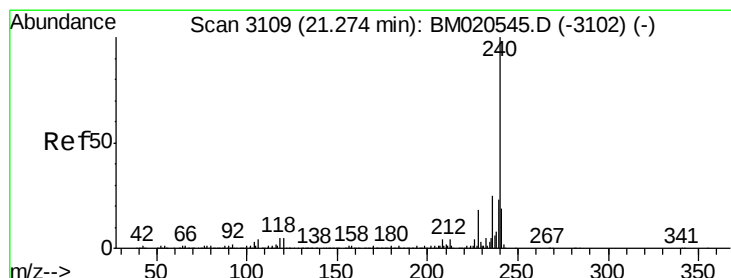
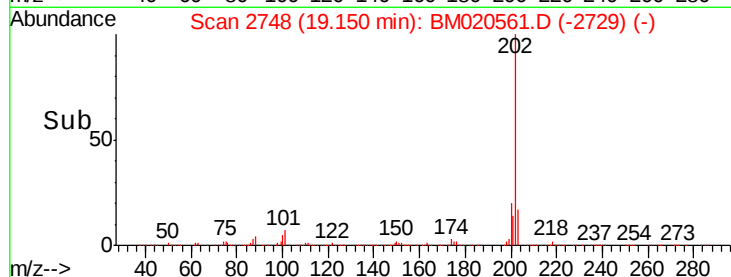
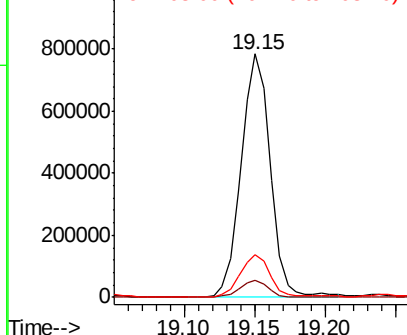


Abundance

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: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

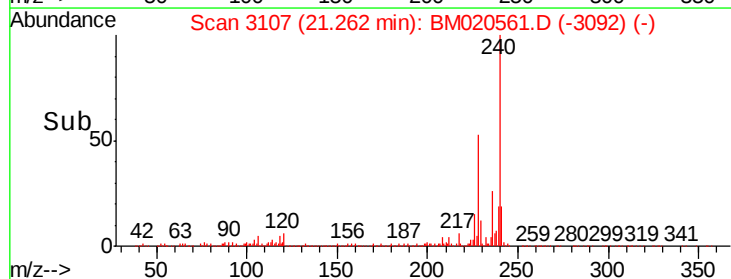
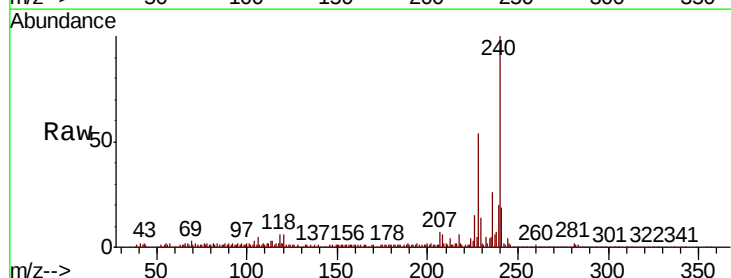
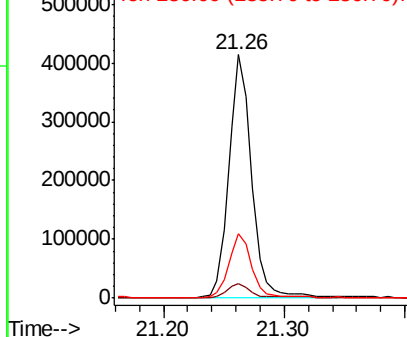
Tgt Ion:	240	Resp:	537811
Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.1	6.1
236	26.4	20.2	30.4

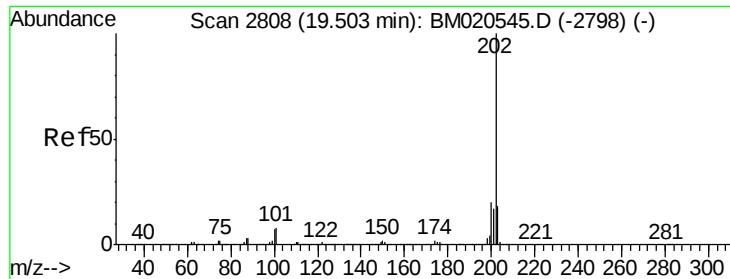
Abundance

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





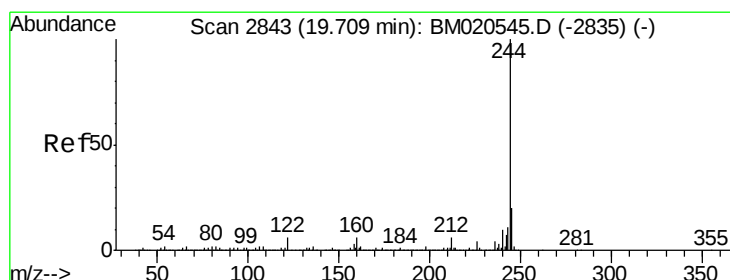
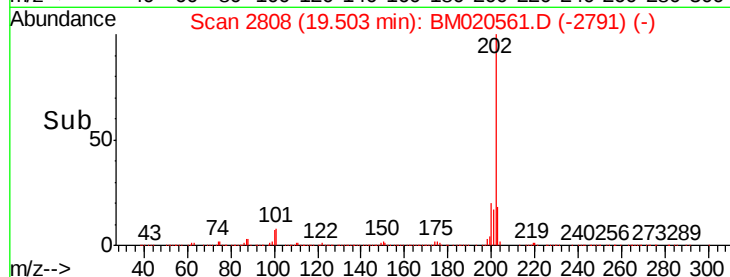
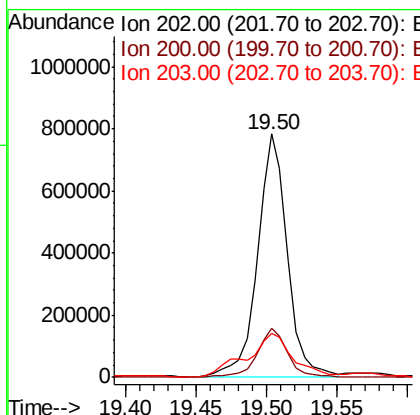
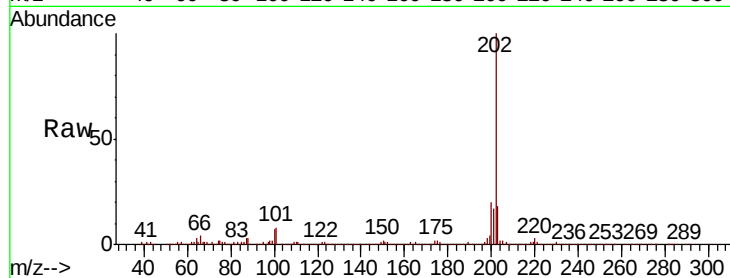
#78
Pvrene
Concen: 34.042 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.0	24.0
203	18.2	14.1	21.1

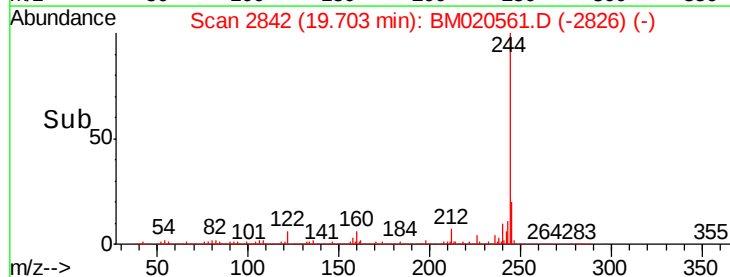
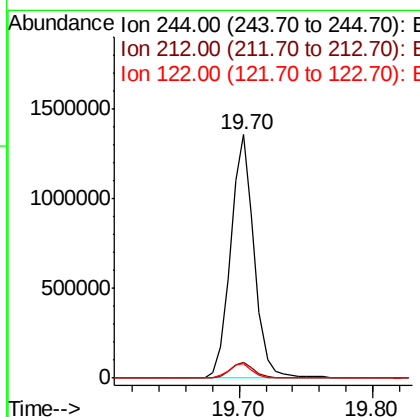
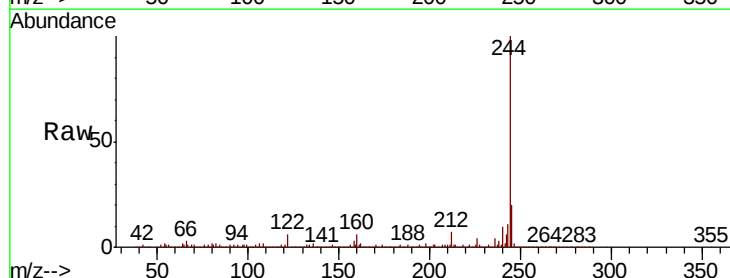
Manual Integrations
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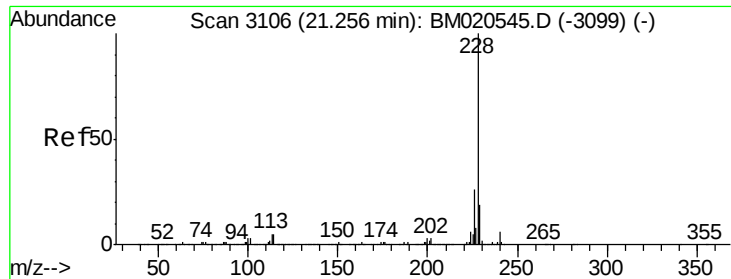
mohammad
5/27/2019 4:00:21 AM



#79
Terphenyl-d14
Concen: 56.120 ng
RT: 19.70 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.6
122	5.7	4.6	7.0





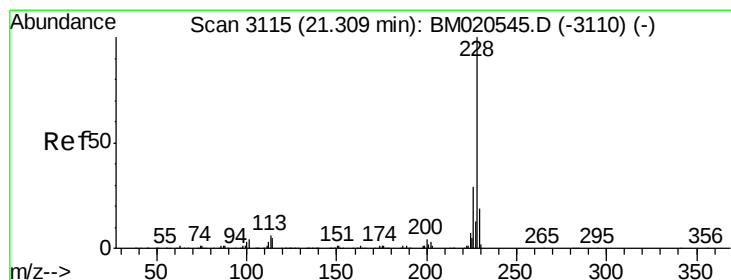
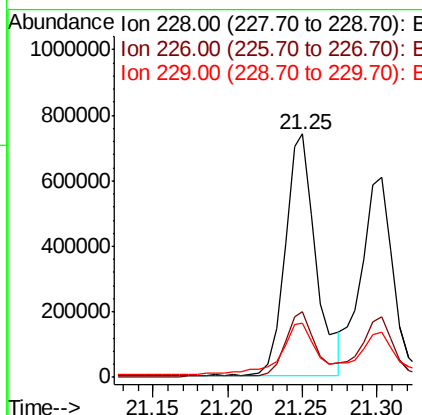
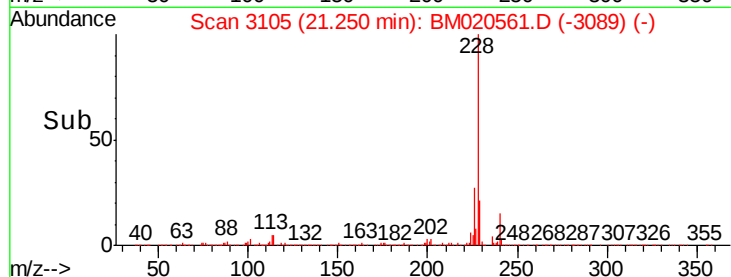
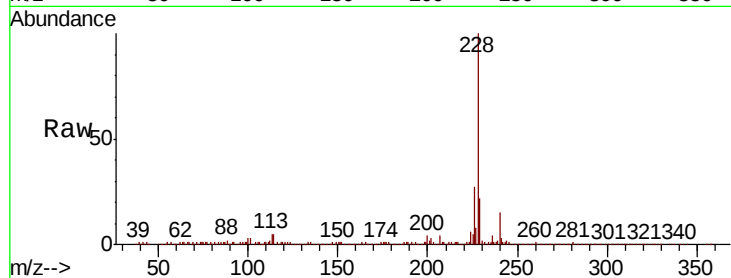
#81
Benzo(a)anthracene
Concen: 28.682 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	20.7	31.1
229	22.1	15.5	23.3

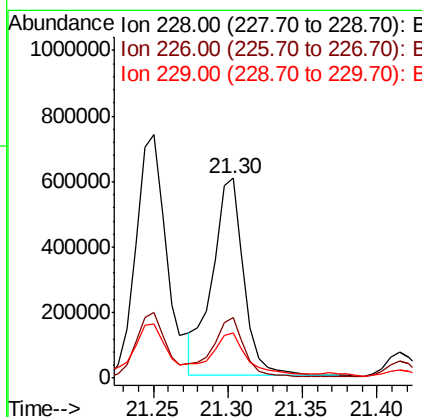
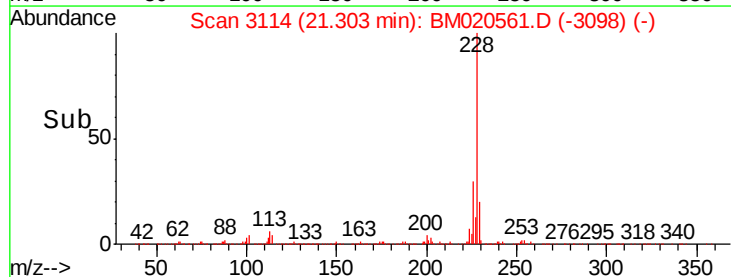
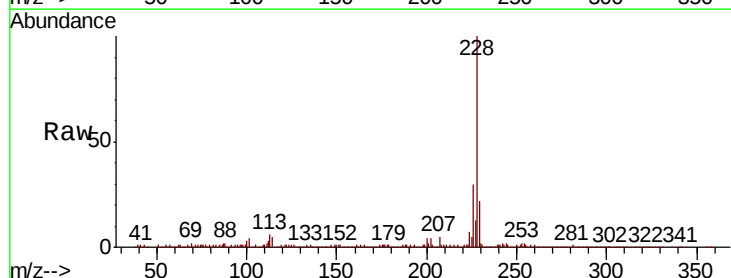
Manual Integrations
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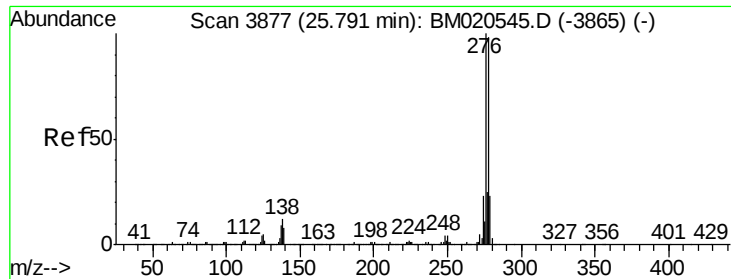
mohammad
5/27/2019 4:00:21 AM



#83
Chrysene
Concen: 24.708 ng
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.9	34.3
229	22.4	15.4	23.2





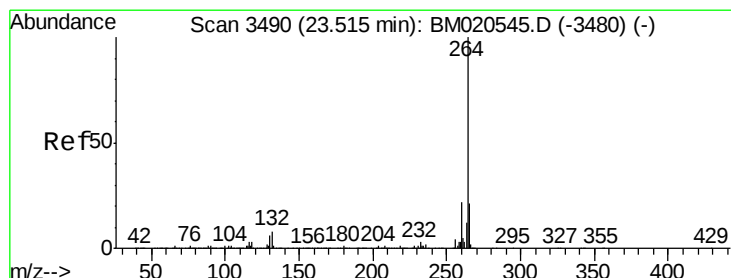
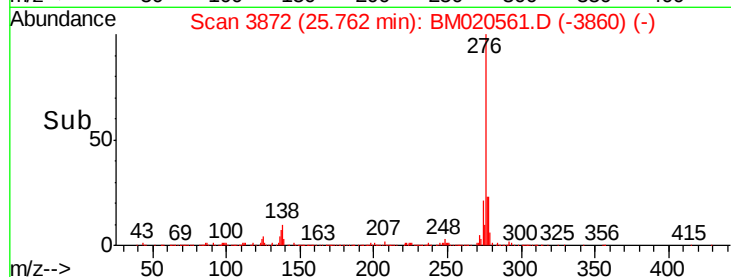
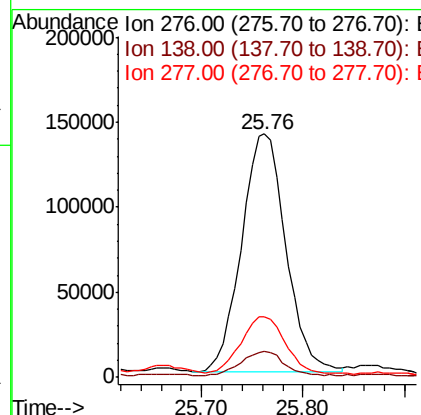
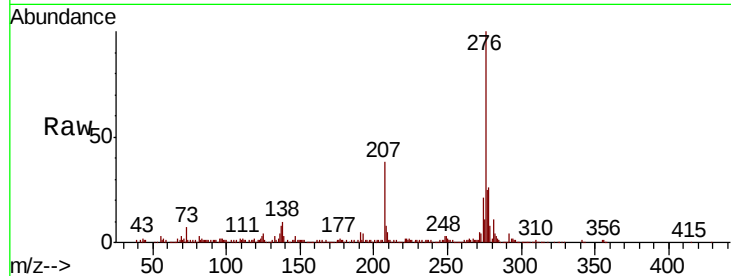
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.736 ng
 RT: 25.76 min Scan# 3872
 Delta R.T. -0.03 min
 Lab File: BM020561.D
 Acq: 25 May 2019 03:20

Instrument :
 BNA_M
 ClientSampleId :
 TP-3-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.0	9.7	14.5
277	23.7	20.4	30.6

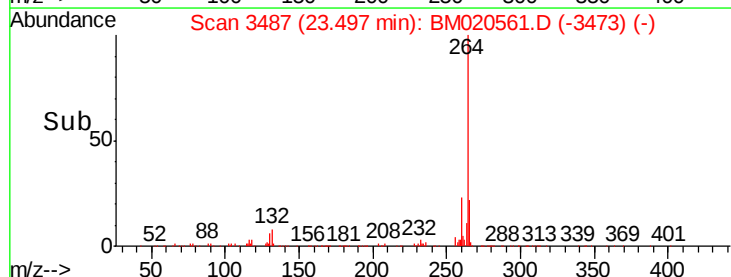
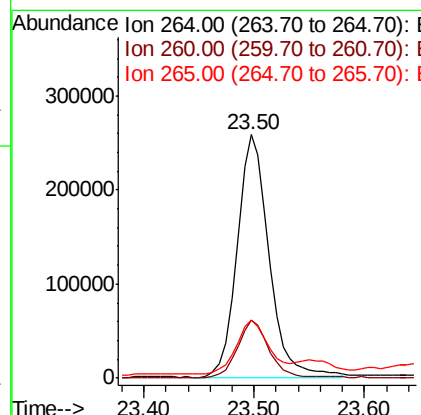
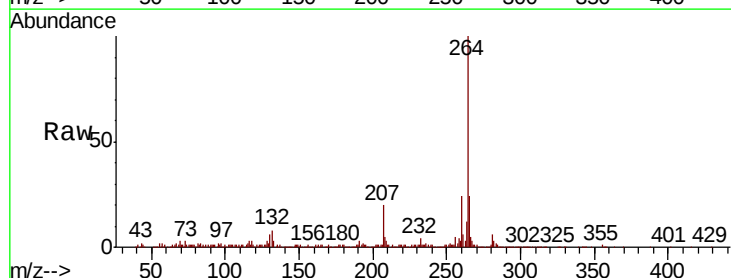
Manual Integrations
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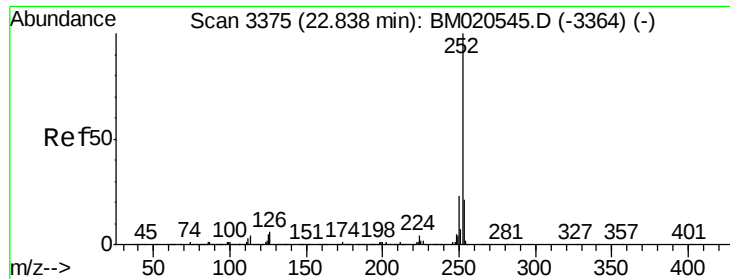
mohammad
 5/27/2019 4:00:21 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3487
 Delta R.T. -0.02 min
 Lab File: BM020561.D
 Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.7	26.5
265	23.8	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 28.901 ng m

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Instrument :

BNA_M

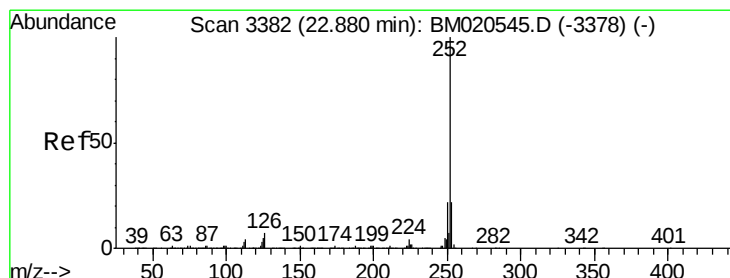
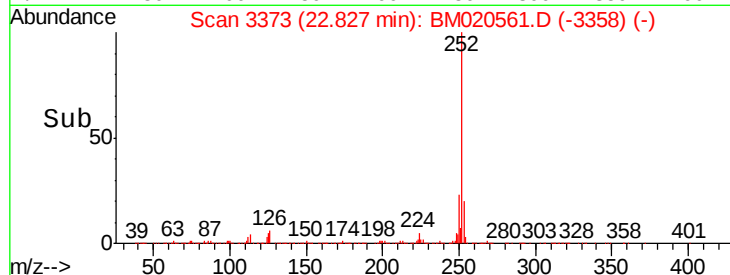
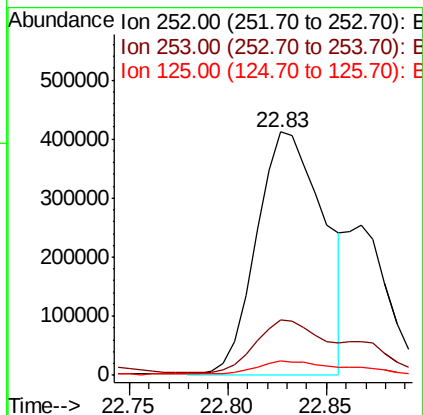
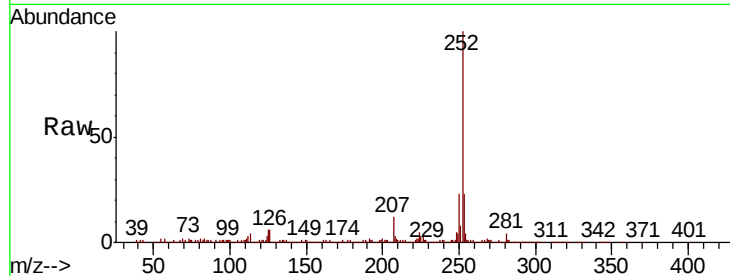
ClientSampled :

TP-3-S

Tot Ion:	252	Resp:	986841
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	5.8	3.8	5.8#

Manual Integrations
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mohammad
5/27/2019 4:00:21 AM



#89

Benzo(k)fluoranthene

Concen: 11.921 ng m

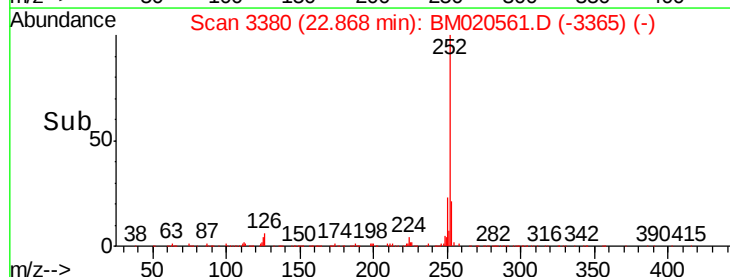
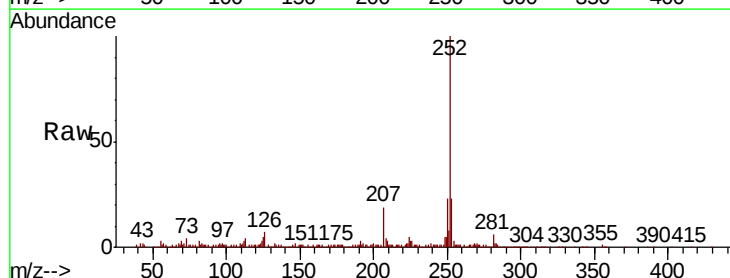
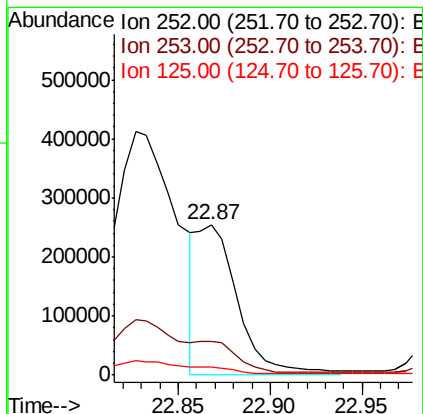
RT: 22.87 min Scan# 3380

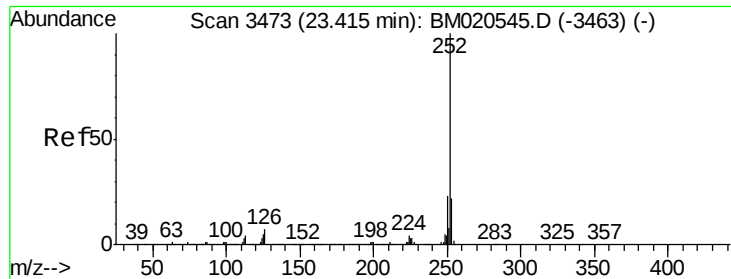
Delta R.T. -0.01 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Tgt Ion:	252	Resp:	395042
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	5.5	4.2	6.4





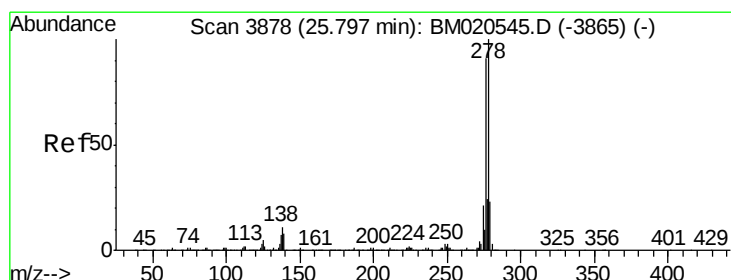
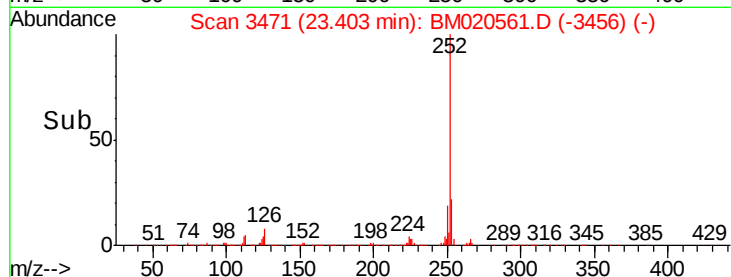
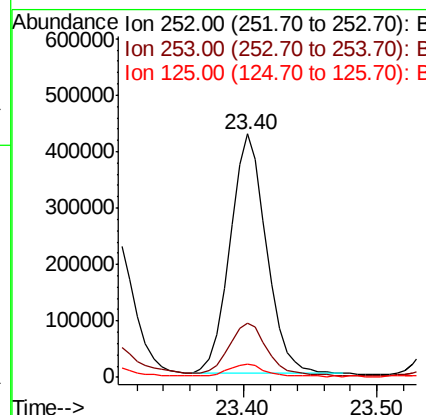
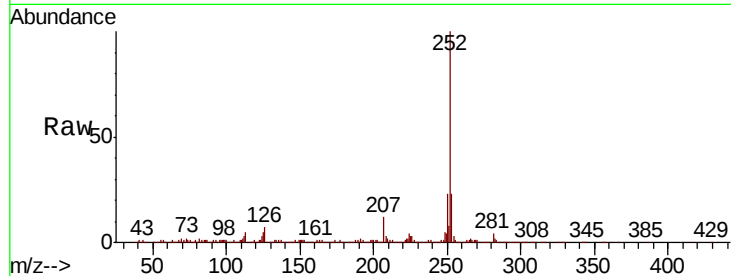
#90
Benzo(a)pyrene
Concen: 25.514 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Instrument :
BNA_M
ClientSampled :
TP-3-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	5.3	4.2	6.4

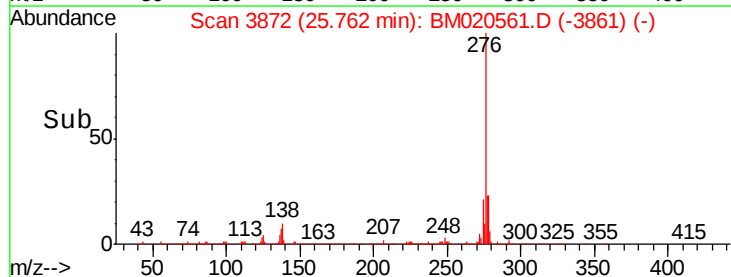
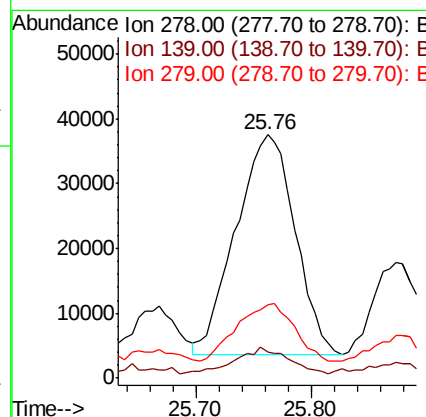
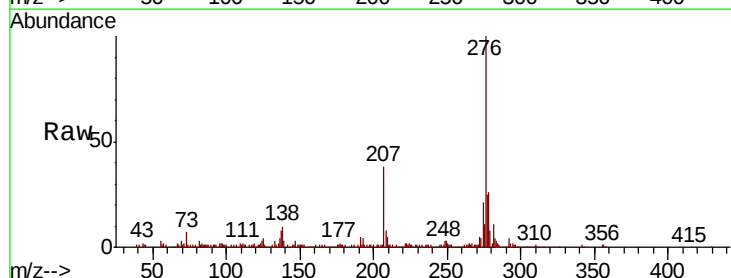
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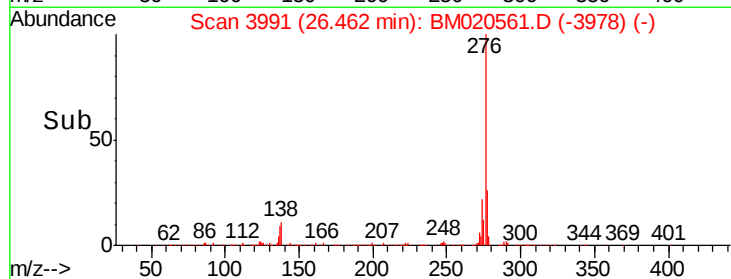
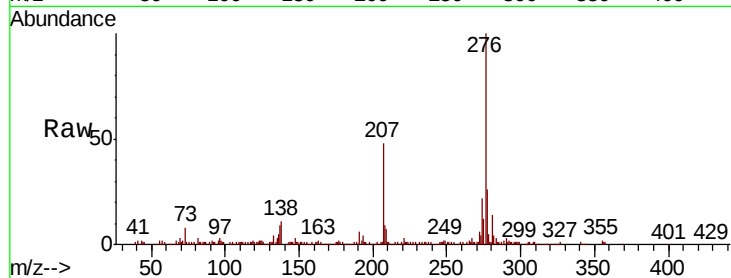
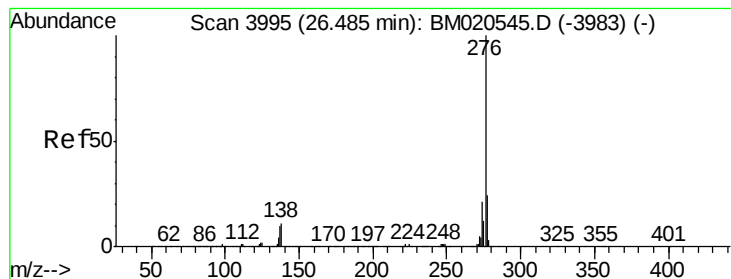
mohammad
5/27/2019 4:00:21 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.762 ng
RT: 25.76 min Scan# 3872
Delta R.T. -0.04 min
Lab File: BM020561.D
Acq: 25 May 2019 03:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.5	6.3	9.5#
279	30.0	18.3	27.5#





#92

Benzo(a,h,i)perylene

Concen: 12.948 ng

RT: 26.46 min Scan# 3991

Delta R.T. -0.02 min

Lab File: BM020561.D

Acq: 25 May 2019 03:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
386042	276	100			
	277	26.5		19.1	28.7
	138	10.9		8.6	12.8

Instrument :

BNA_M

ClientSampleId :

TP-3-S

Manual Integrations
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5/27/2019 4:00:21 AM

