

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101058.D
 Acq On : 14 Jan 2020 19:03
 Operator : JU
 Sample : L1103-03 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-16(2-3.5)

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:52:29 AM

Quant Time: Jan 15 10:19:53 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 08 18:36:25 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3864	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	20178	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	13951	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	31576	0.40	ng	0.00
27) Chrysene-d12	21.27	240	30525	0.40	ng	-0.01
34) Perylene-d12	23.69	264	33978	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.34	112	299	0.03	ng	0.00
5) Phenol-d6	6.92	99	377	0.03	ng	0.00
8) Nitrobenzene-d5	8.87	82	269	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	888	0.02	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	161	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	1196	0.02	ng	-0.01
25) Fluoranthene-d10	19.12	212	9409	0.02	ng	-0.01
29) Terphenyl-d14	19.72	244	2187	0.03	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.55	128	237203	1.059	ng	100
12) 2-Methylnaphthalene	12.17	142	12077	0.356	ng	97
16) Acenaphthylene	14.08	152	42947	0.756	ng	100
17) Acenaphthene	14.41	154	1135	0.028	ng	# 83
18) Fluorene	15.39	166	9297	0.181	ng	91
23) Phenanthrene	17.13	178	204790	2.375	ng	98
24) Anthracene	17.23	178	35053m	0.431	ng	
26) Fluoranthene	19.15	202	383210	3.549	ng	99
28) Pyrene	19.51	202	616281	5.424	ng	98
30) Benzo(a)anthracene	21.26	228	309014m	3.548	ng	
31) Chrysene	21.31	228	294198	2.273	ng	96
33) Indeno(1,2,3-cd)pyrene	26.23	276	281574	2.753	ng	97
35) Benzo(b)fluoranthene	22.96	252	383210m	4.021	ng	
36) Benzo(k)fluoranthene	23.00	252	121363m	0.879	ng	
37) Benzo(a)pyrene	23.58	252	296472	3.216	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	55724	0.657	ng	97
39) Benzo(a,h,i)perylene	27.02	276	348715	3.345	ng	98

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

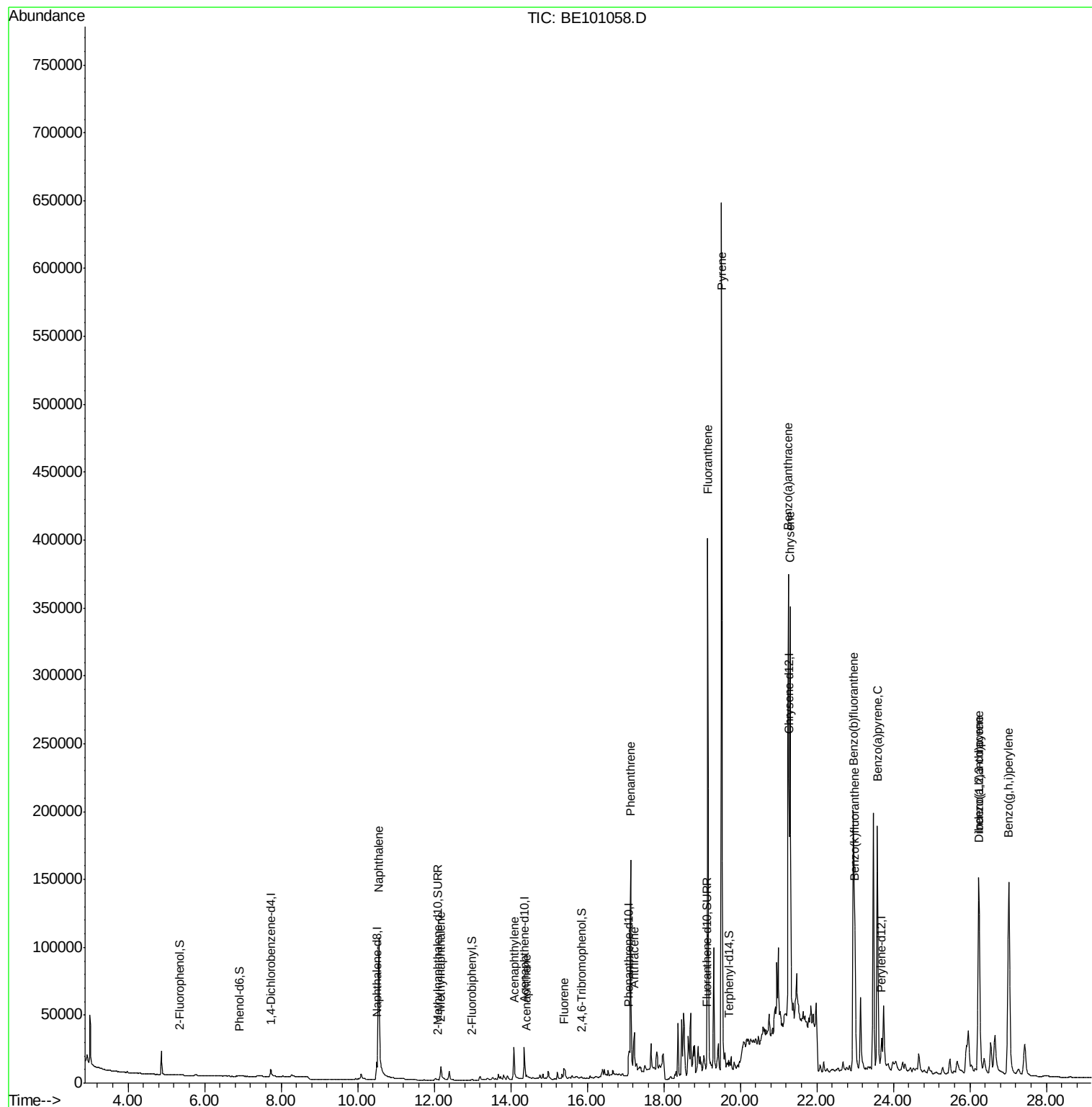
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101058.D
Acq On : 14 Jan 2020 19:03
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Sample : L1103-03 10X
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ALS Vial : 13 Sample Multiplier: 1

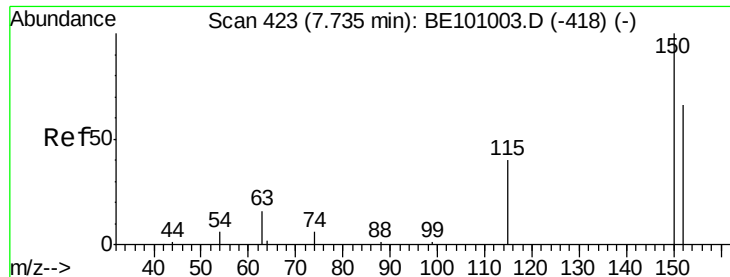
Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Manual Integrations
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Quant Time: Jan 15 10:19:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
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#1

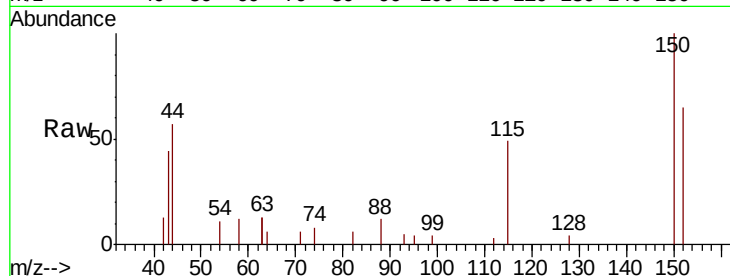
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	120.3	180.5
115	75.0	51.7	77.5

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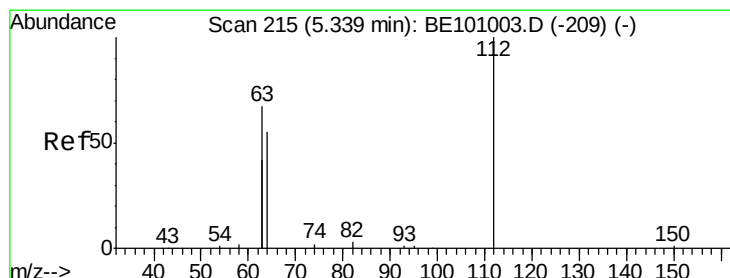
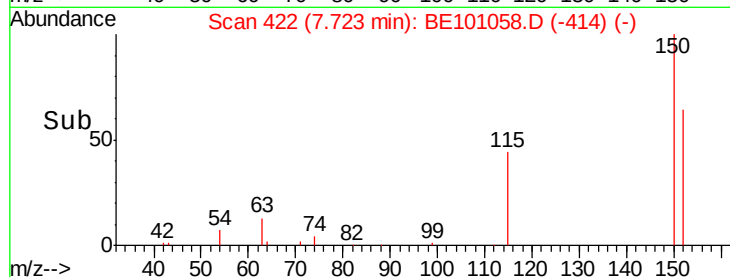
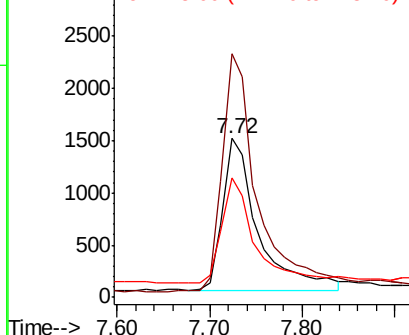


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

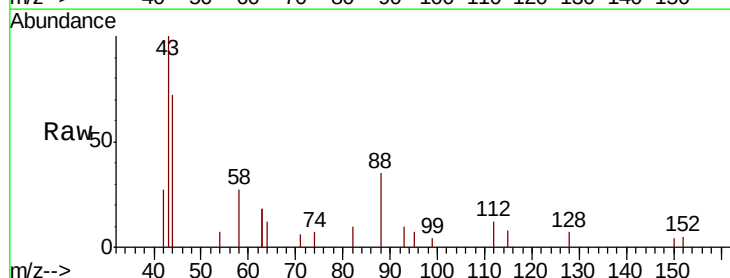
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.034 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.6	80.4
63	115.1	114.6	172.0

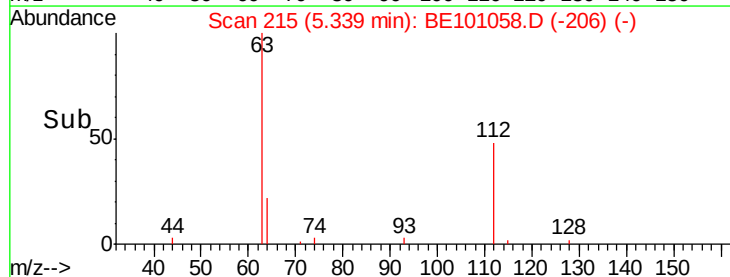
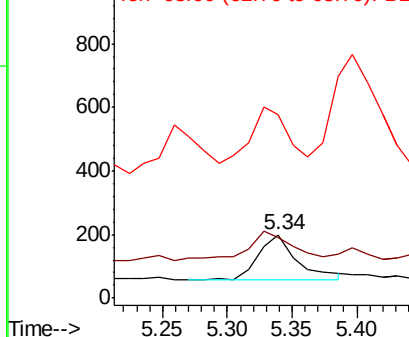


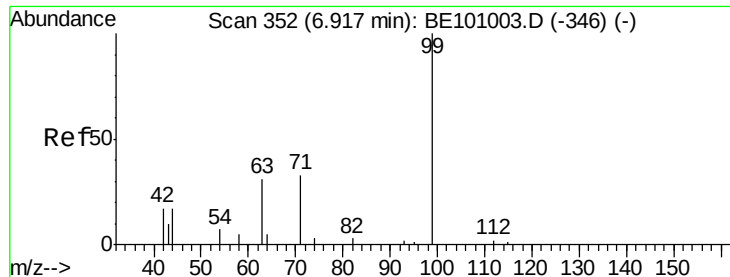
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.034 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Instrument :

BNA_E

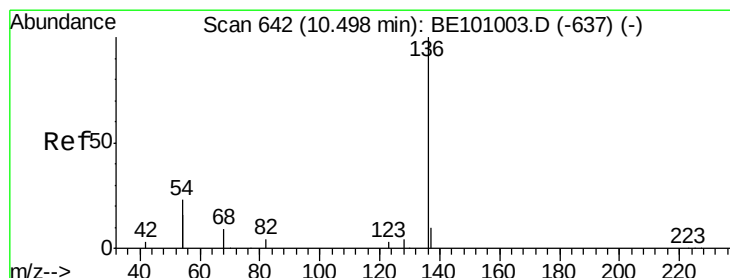
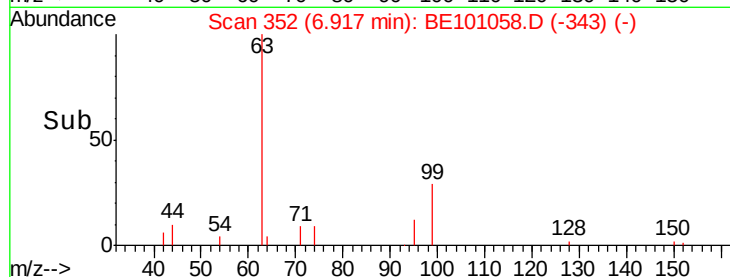
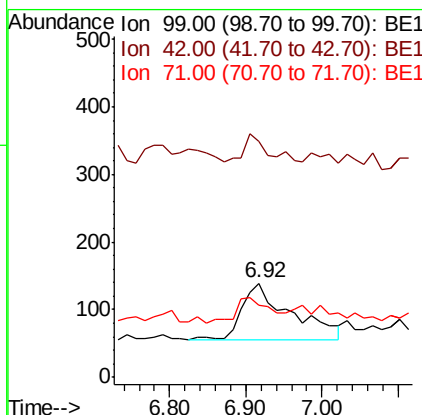
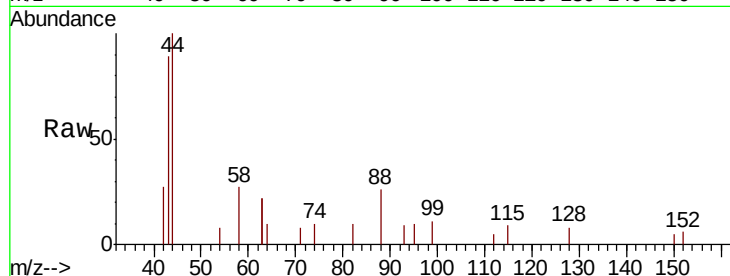
ClientSampleId :

SB-MW-16(2-3.5)

Tot Ion:	99	Resp:	377
Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.3	27.5
71	30.2	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

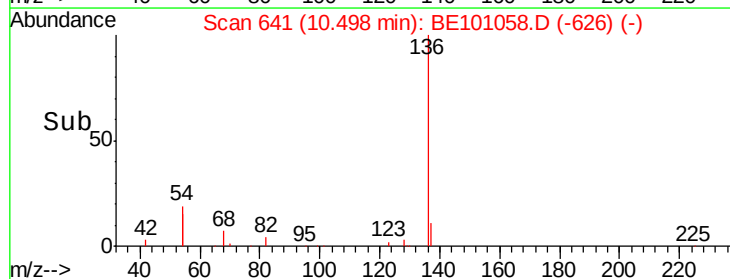
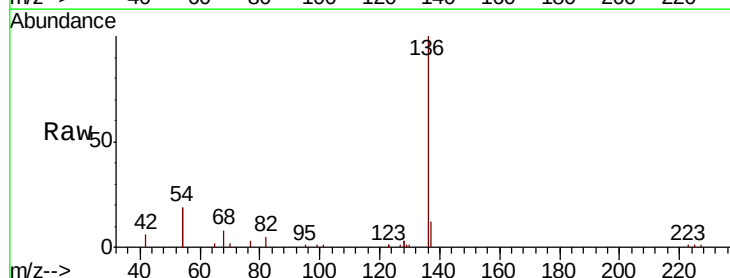
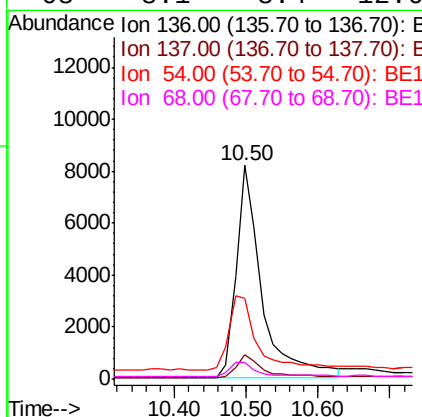
RT: 10.50 min Scan# 641

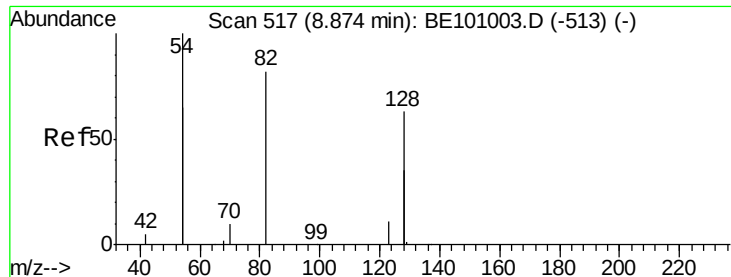
Delta R.T. -0.00 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Tgt Ion:	136	Resp:	20178
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	37.9	36.8	55.2
68	8.1	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.019 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Instrument :

BNA_E

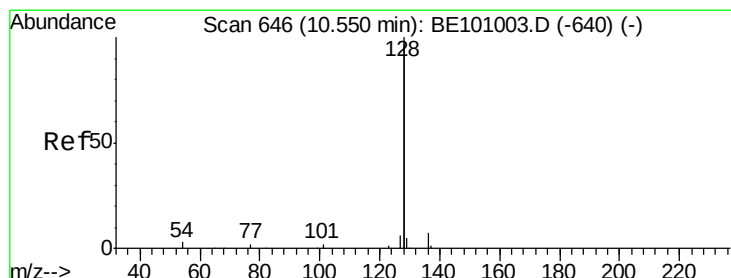
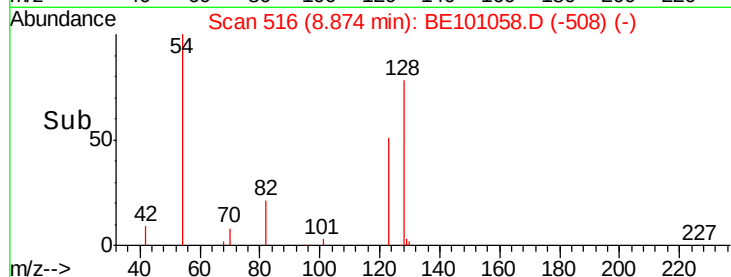
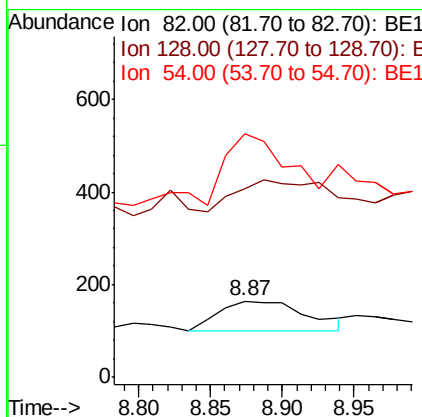
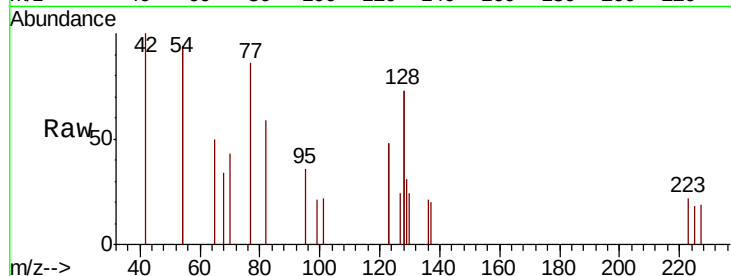
ClientSampleId :

SB-MW-16(2-3.5)

Tot Ion:	82	Resp:	269
Ion	Ratio	Lower	Upper
82	100		
128	247.3	109.8	164.6#
54	318.8	174.5	261.7#

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#9

Naphthalene

Concen: 1.059 ng

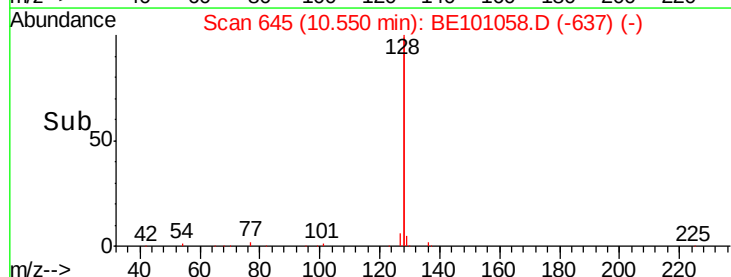
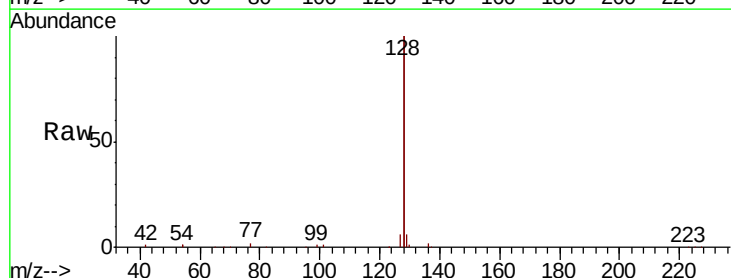
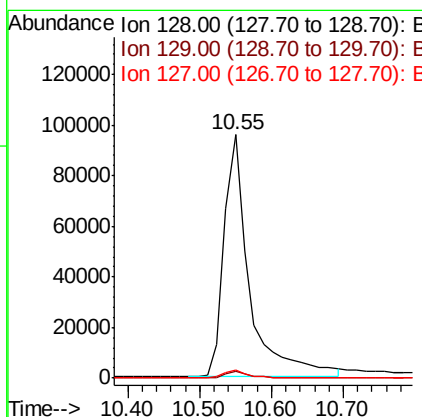
RT: 10.55 min Scan# 645

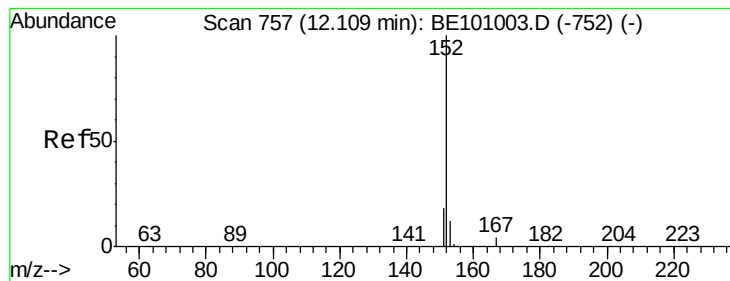
Delta R.T. -0.00 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Tgt Ion:	128	Resp:	237203
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.2	2.7	4.1





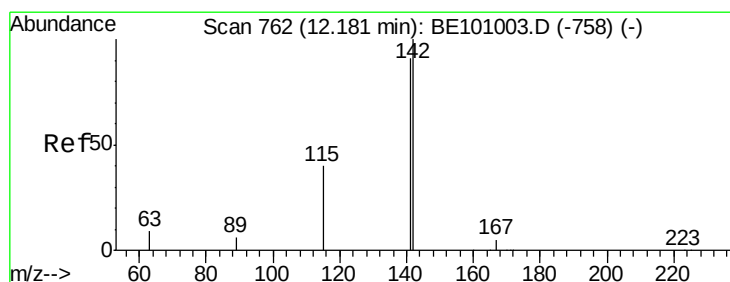
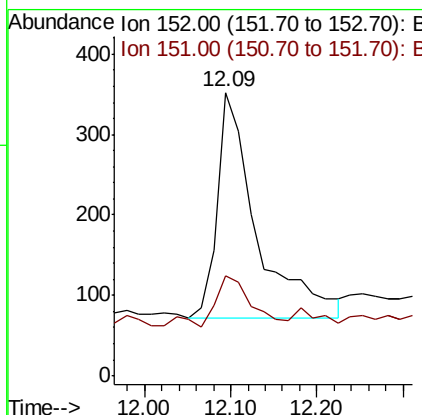
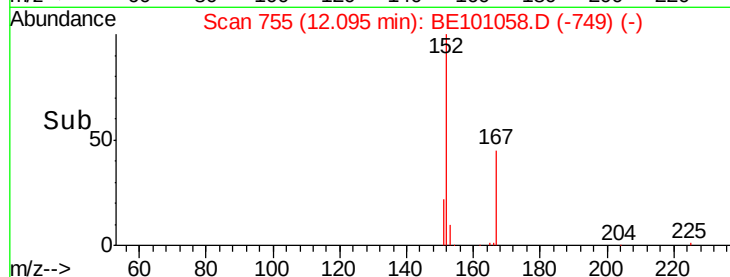
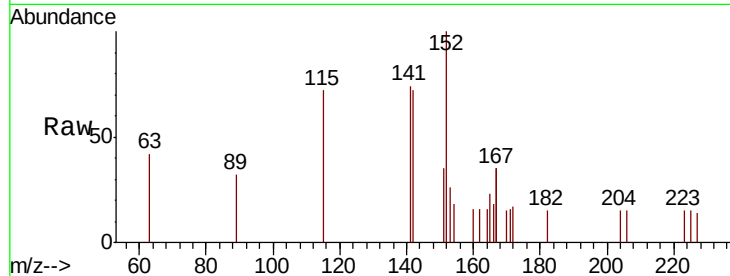
#11
2-Methylnaphthalene-d10
Concen: 0.023 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	13.6	15.0	22.6#

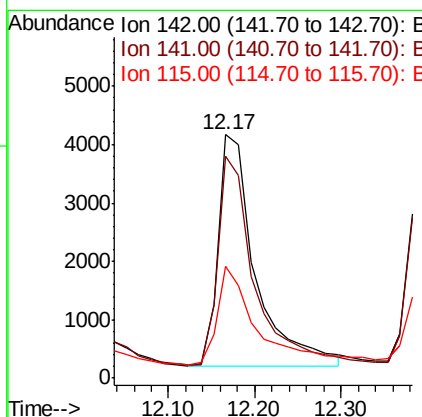
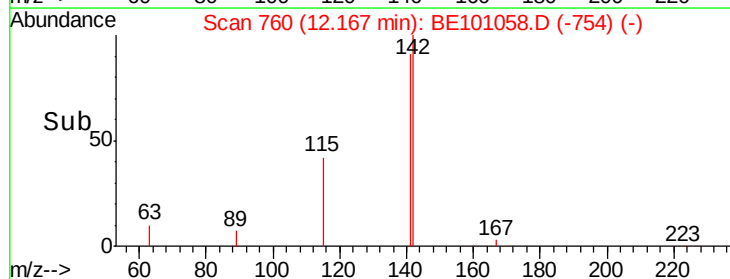
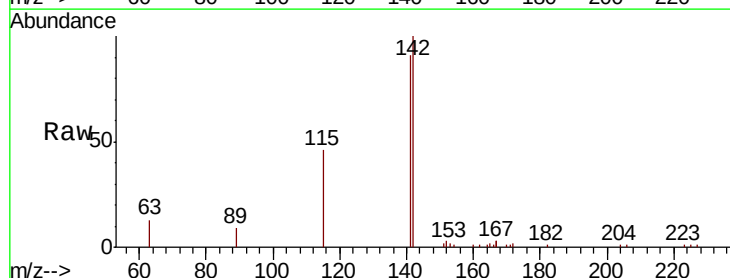
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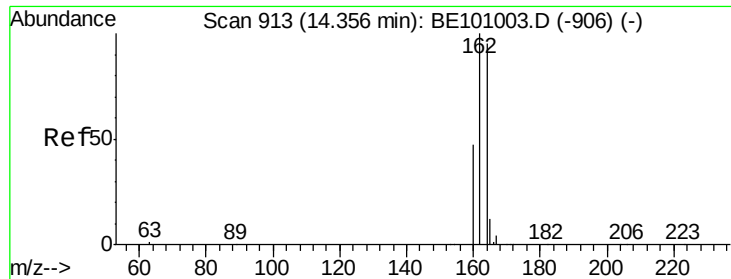
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#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.5	108.7
115	46.2	33.0	49.6





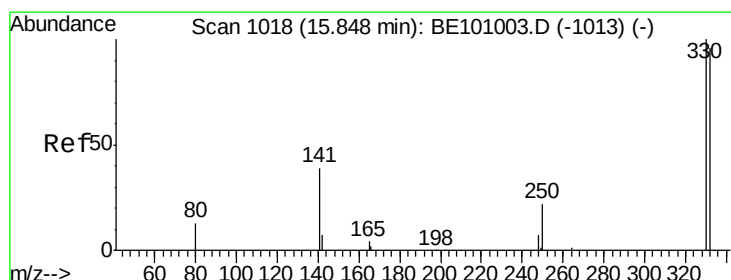
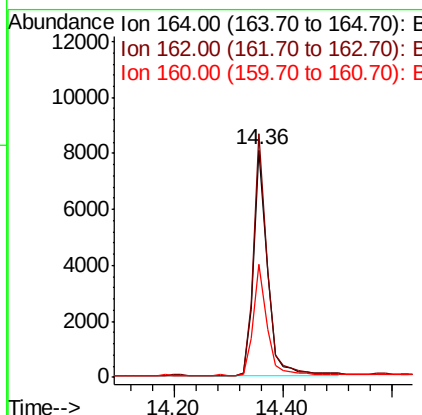
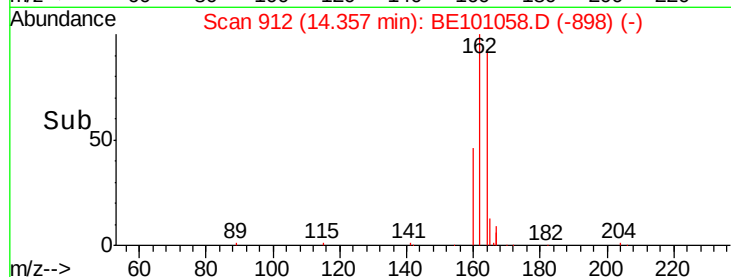
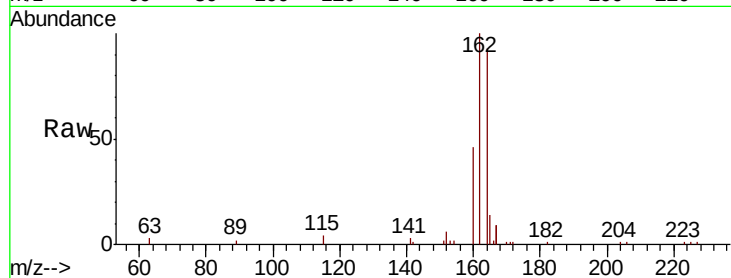
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion:	164	Resp:	13951
Ion Ratio	Lower	Upper	
164	100		
162	107.0	84.1	126.1
160	49.5	40.4	60.6

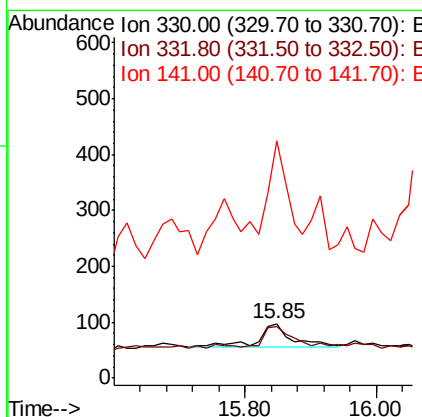
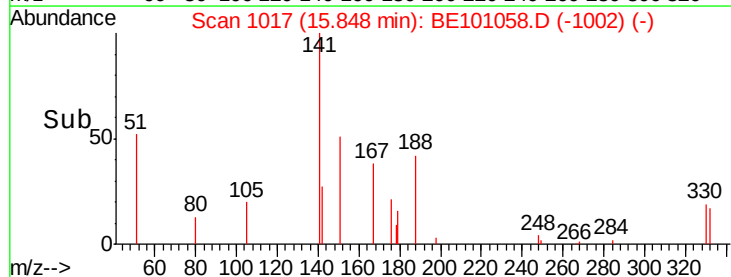
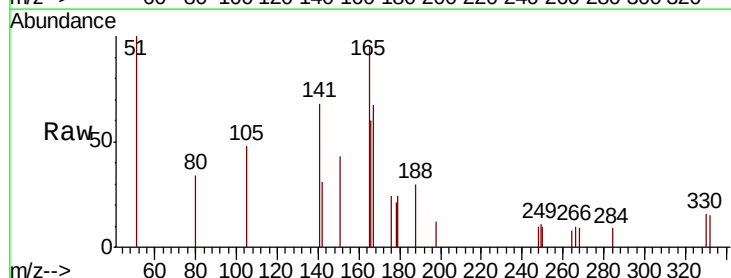
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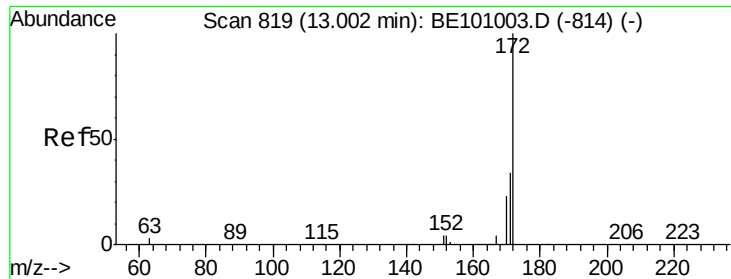
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#14
2,4,6-Tribromophenol
Concen: 0.041 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion:	330	Resp:	161
Ion Ratio	Lower	Upper	
330	100		
332	68.9	78.4	117.6#
141	305.6	37.0	55.4#





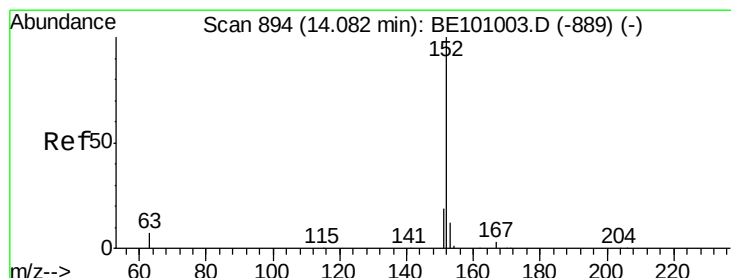
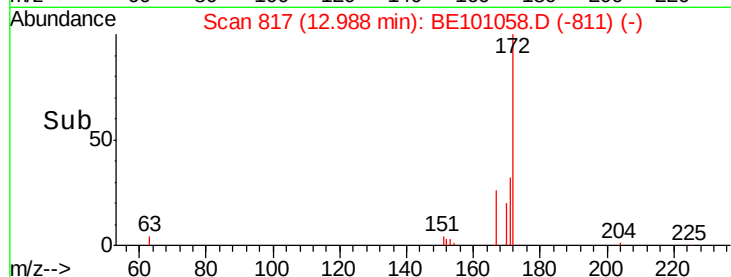
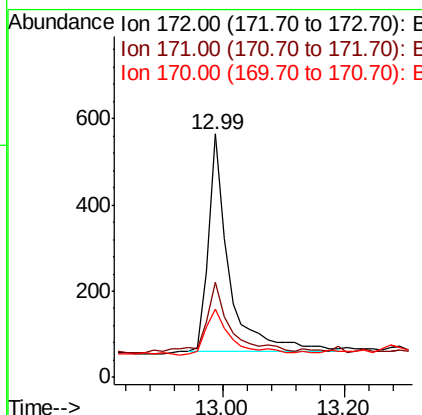
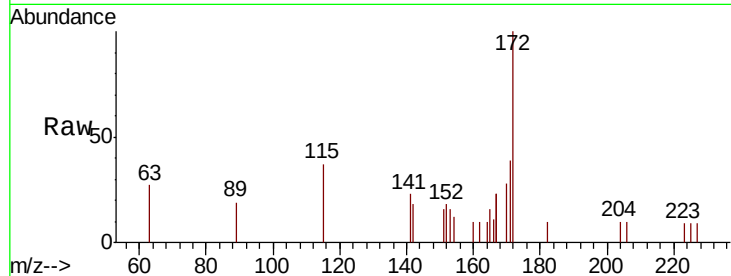
#15
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	28.2	42.2
170	28.0	18.9	28.3

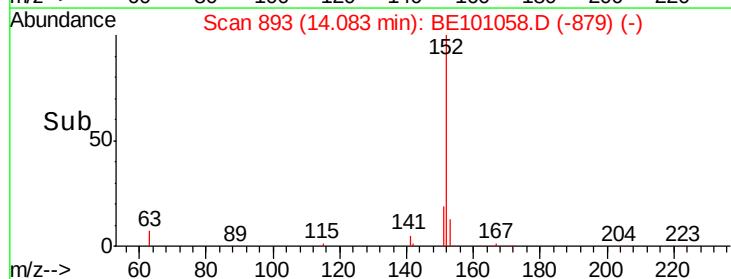
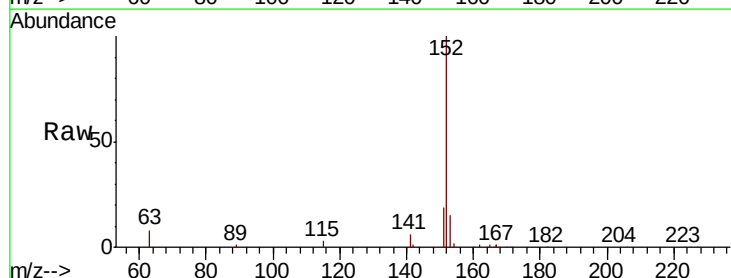
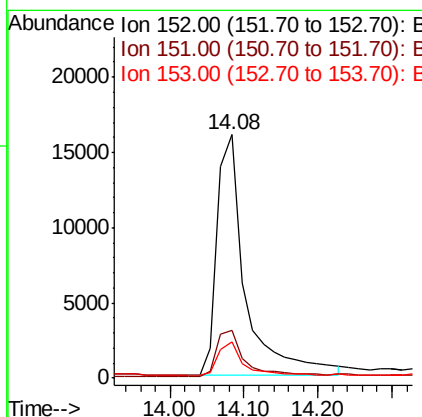
Manual Integrations
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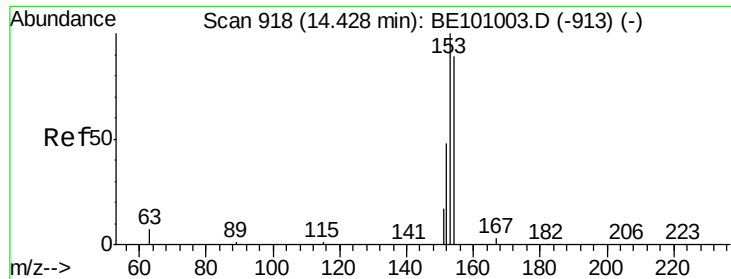
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#16
Acenaphthylene
Concen: 0.756 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	12.9	10.4	15.6





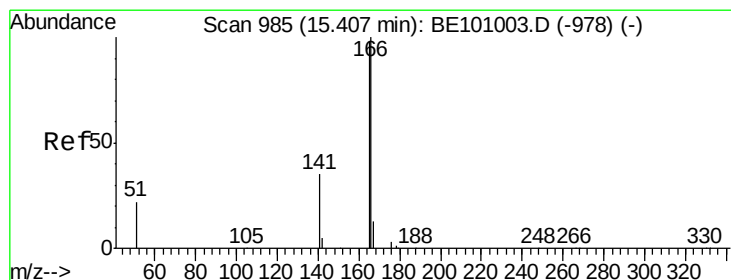
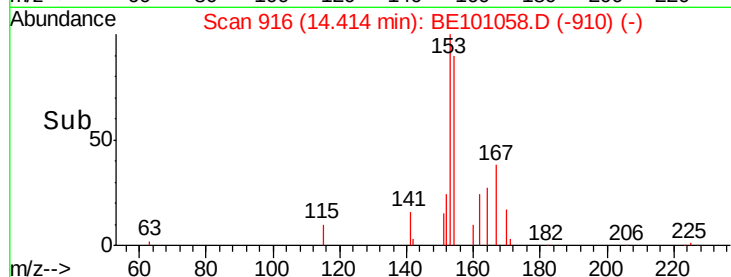
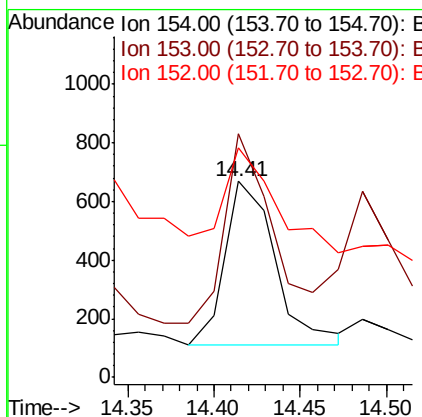
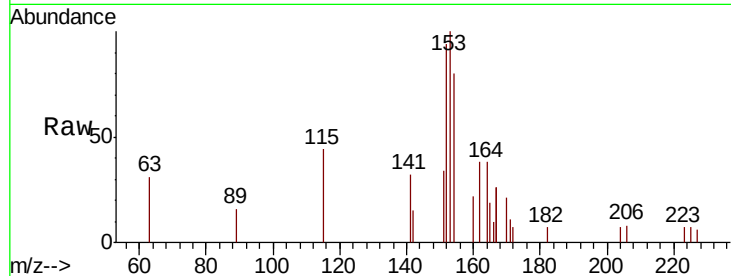
#17
Acenaphthene
Concen: 0.028 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.6	93.6	140.4
152	85.1	46.3	69.5

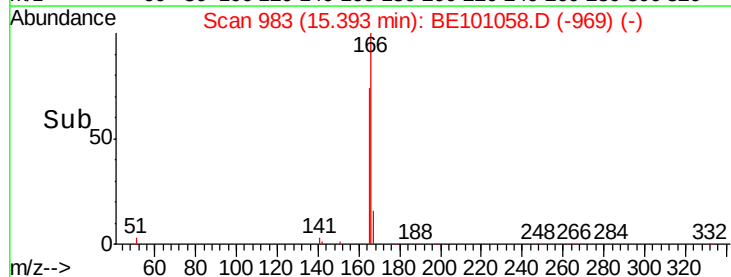
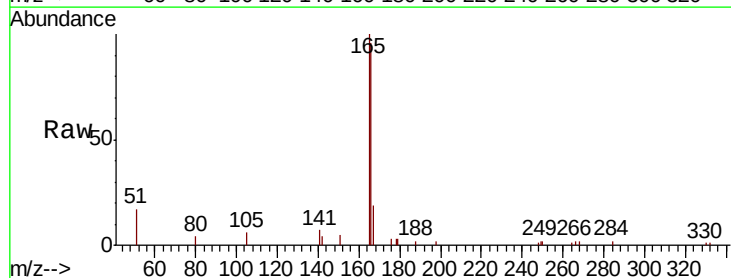
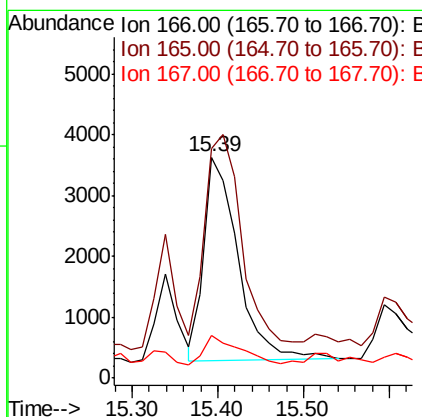
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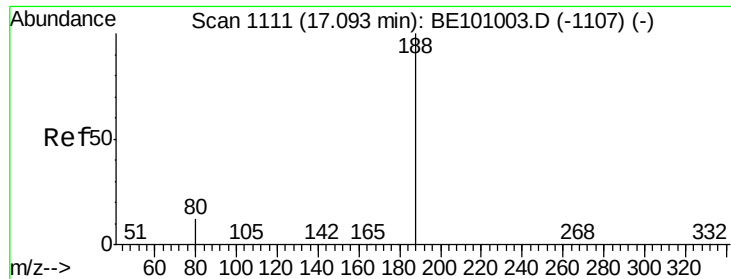
mohammad
1/21/2020 7:52:29 AM



#18
Fluorene
Concen: 0.181 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.4	79.8	119.8
167	15.0	11.0	16.6





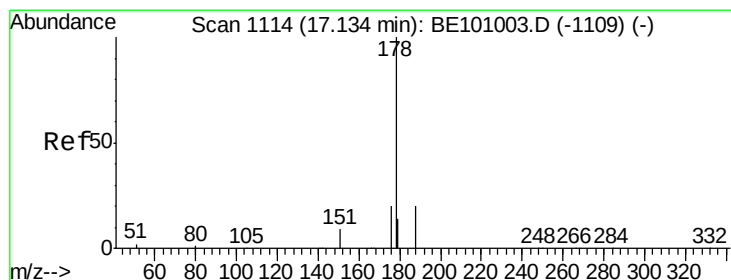
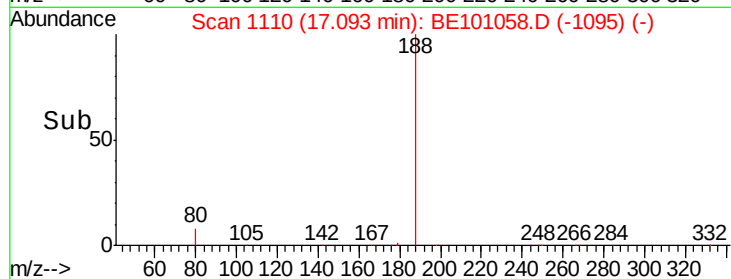
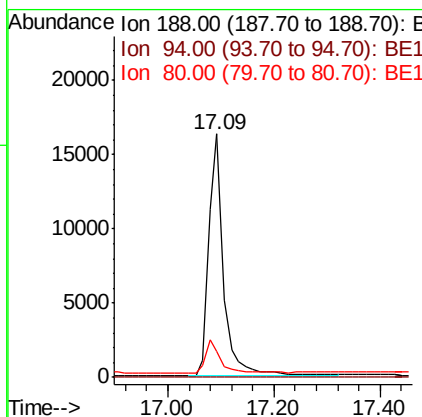
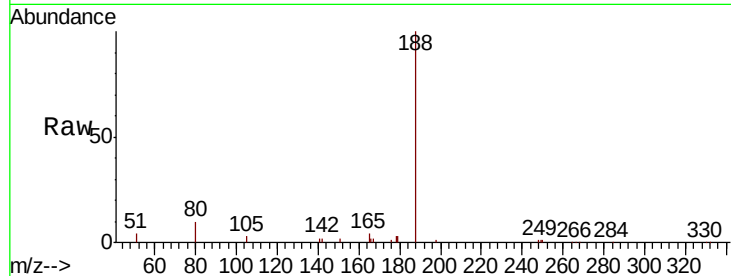
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	10.8	16.2

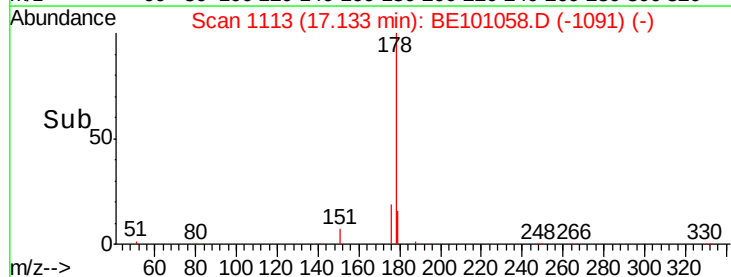
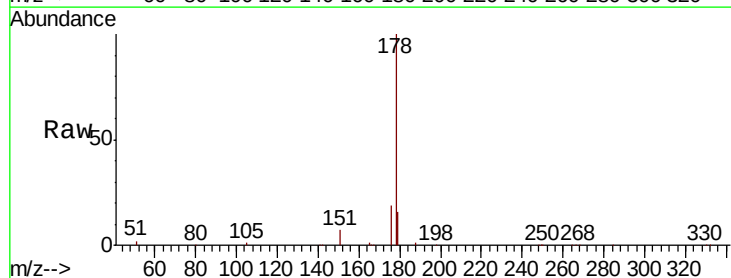
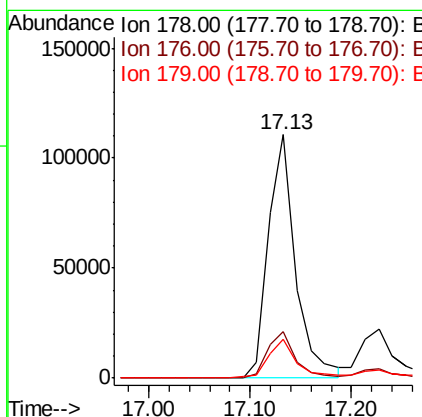
Manual Integrations
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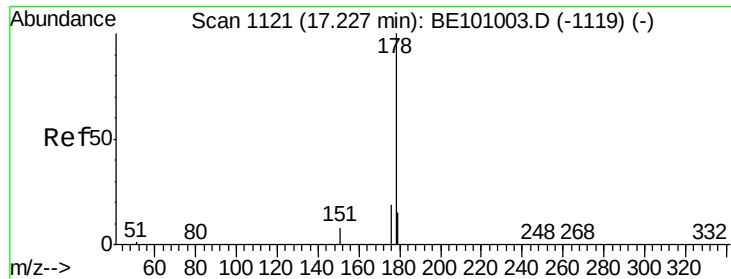
mohammad
1/21/2020 7:52:29 AM



#23
Phenanthrene
Concen: 2.375 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	16.0	12.0	18.0





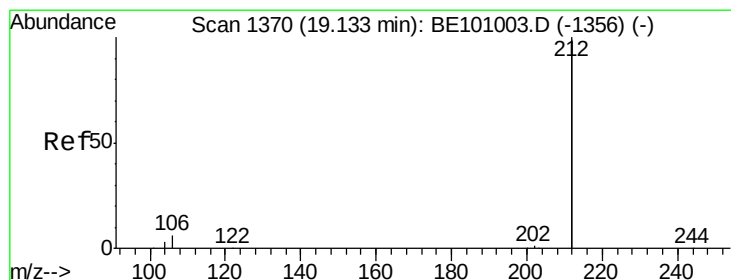
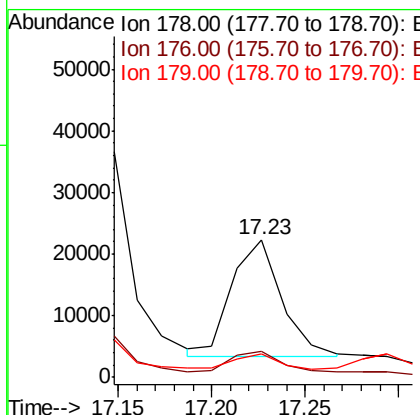
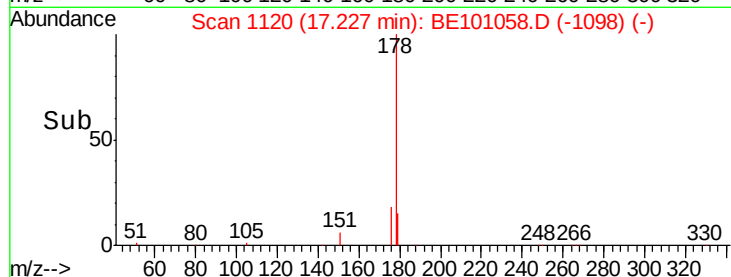
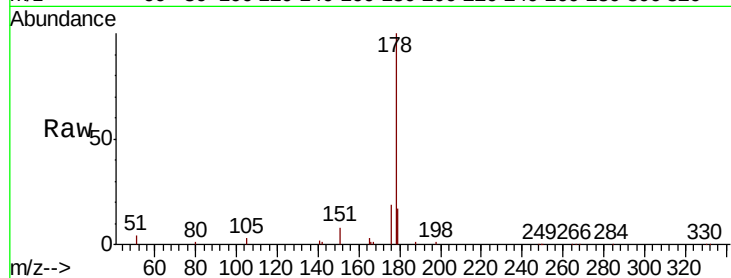
#24
 Anthracene
 Concen: 0.431 ng/ml
 RT: 17.23 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: BE101058.D
 Acq: 14 Jan 2020 19:03

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	112.1	14.8	22.2#
179	93.2	12.4	18.6#

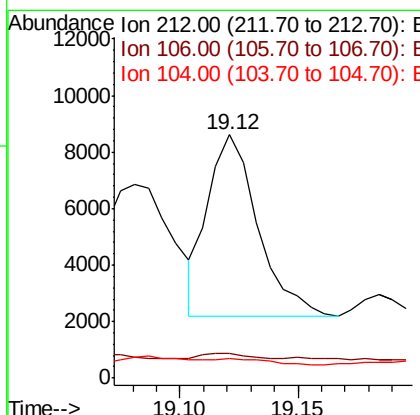
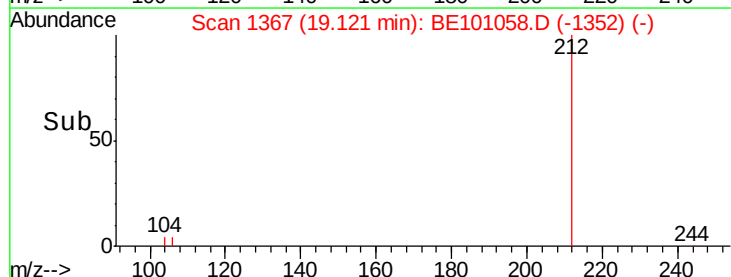
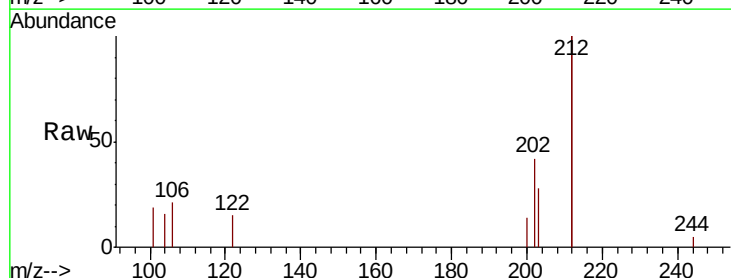
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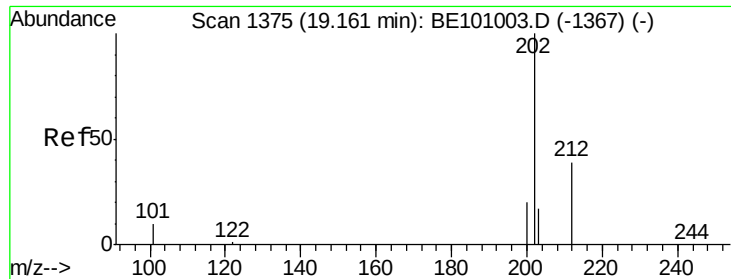
mohammad
 1/21/2020 7:52:29 AM



#25
 Fluoranthene-d10
 Concen: 0.021 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101058.D
 Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	0.0	1.4	2.0#





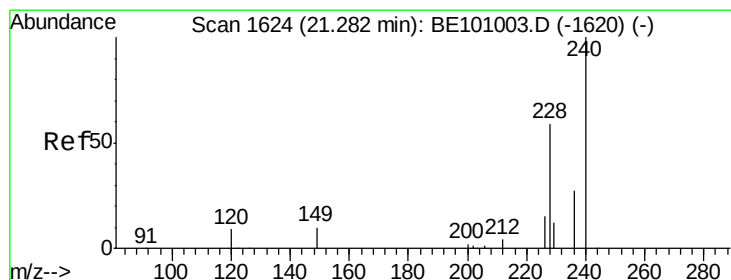
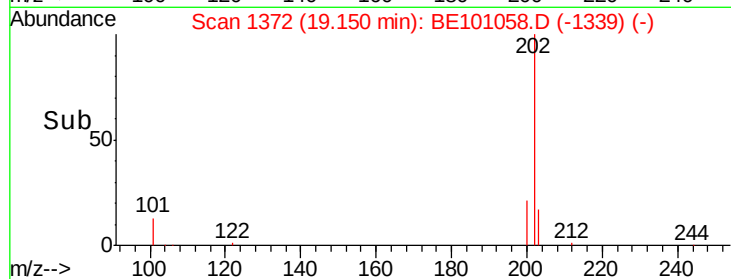
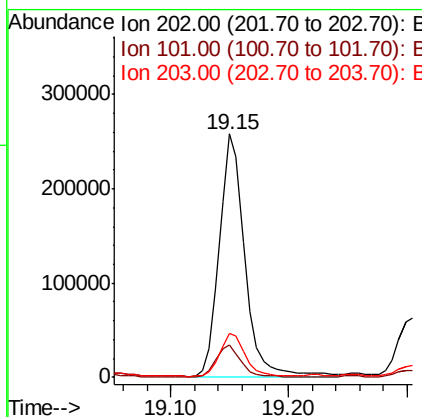
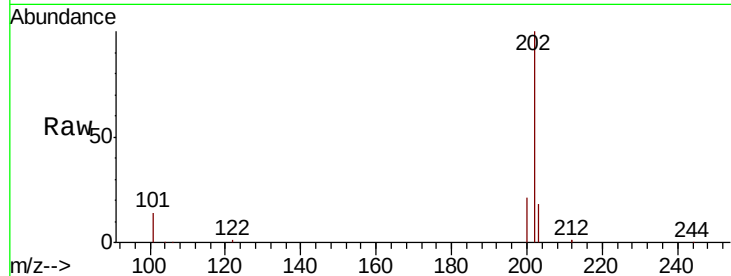
#26
Fluoranthene
Concen: 3.549 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	383210		
101	12.9		9.6	14.4
203	17.5		13.8	20.6

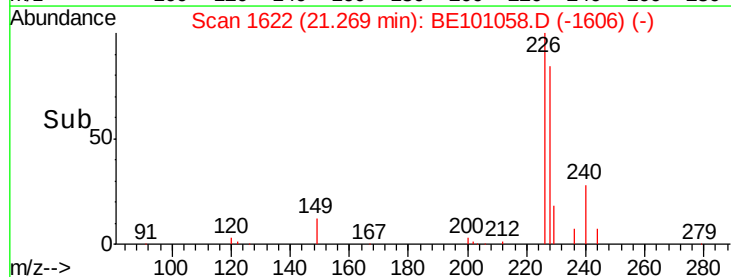
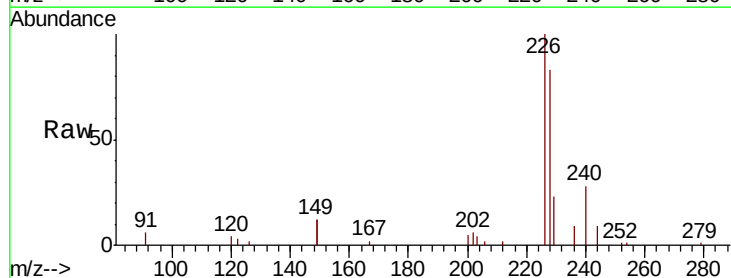
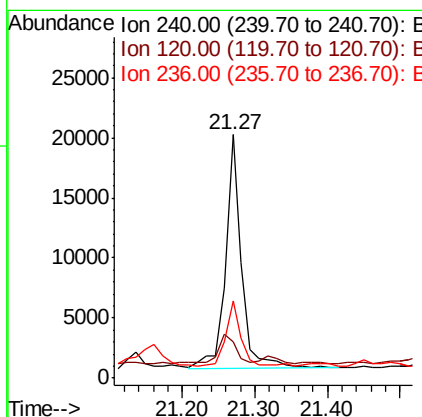
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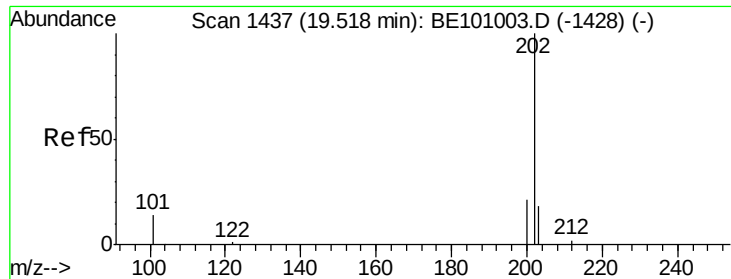
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	30525		
120	15.1		8.6	13.0#
236	31.8		22.2	33.4





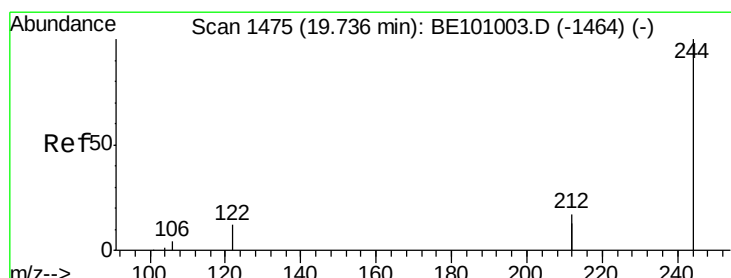
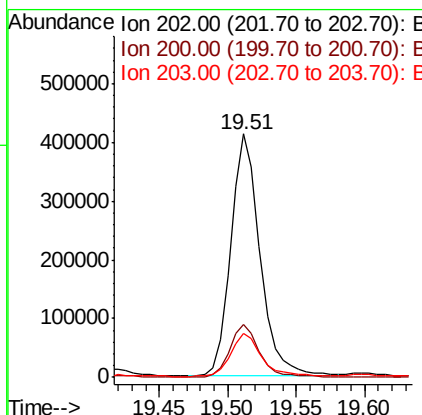
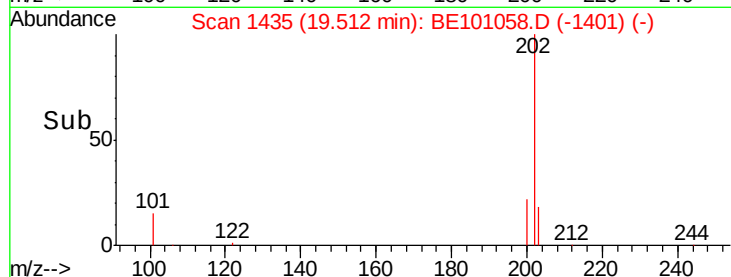
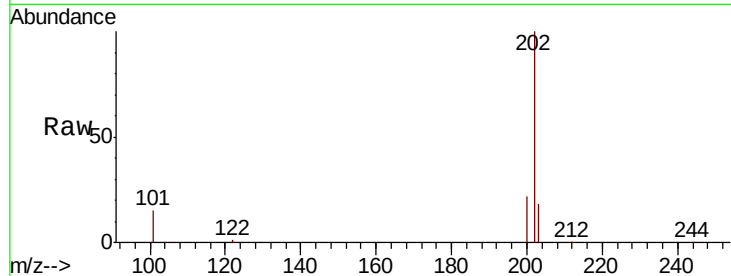
#28
Pvrene
Concen: 5.424 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	18.8	13.8	20.6

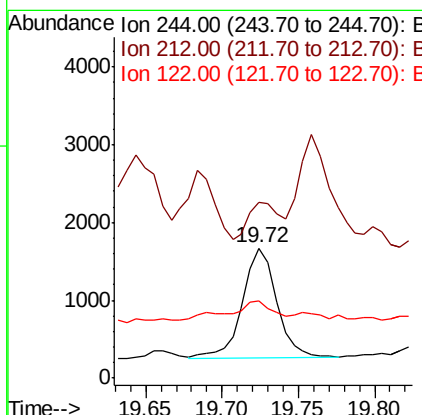
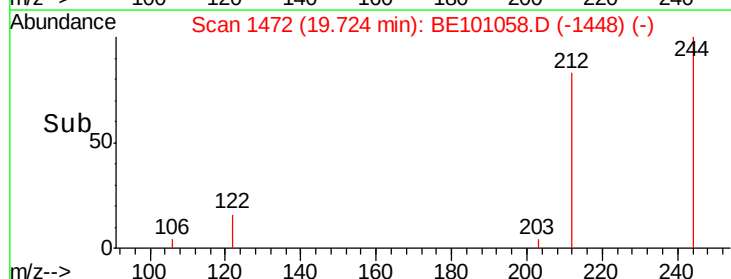
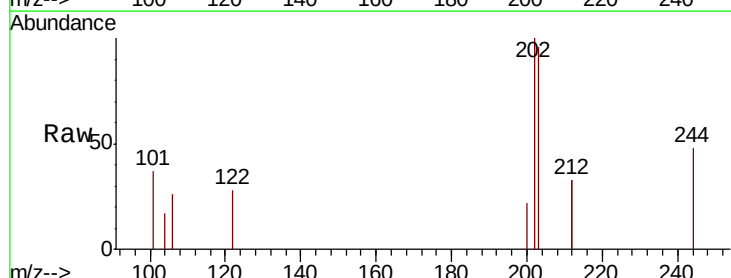
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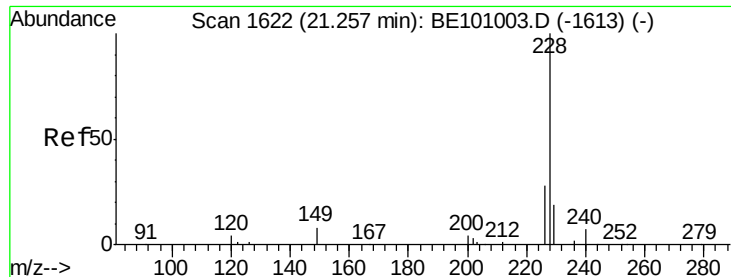
mohammad
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#29
Terphenyl-d14
Concen: 0.029 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	134.8	27.2	40.8#
122	58.8	9.8	14.8#





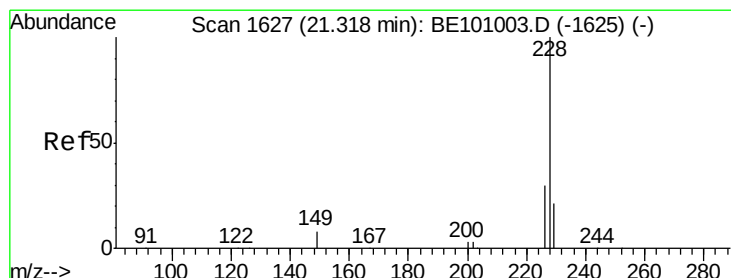
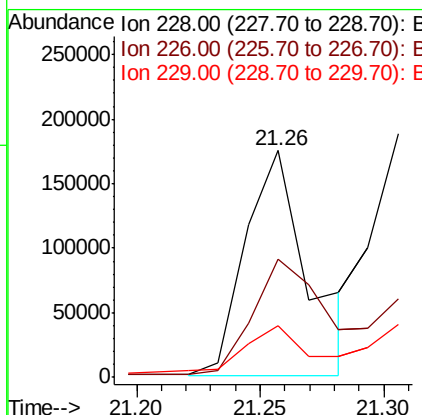
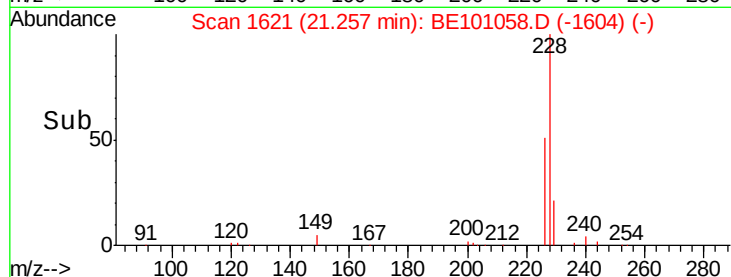
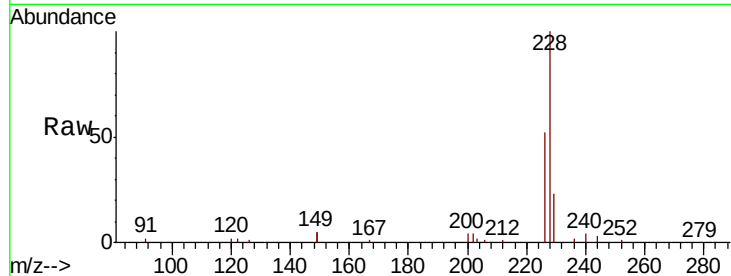
#30
Benzo(a)anthracene
Concen: 3.548 ng m
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	52.2	22.7	34.1#
229	22.8	15.5	23.3

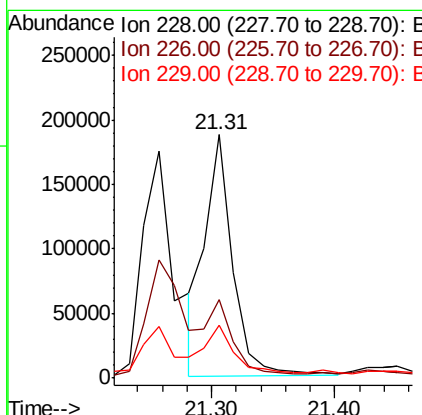
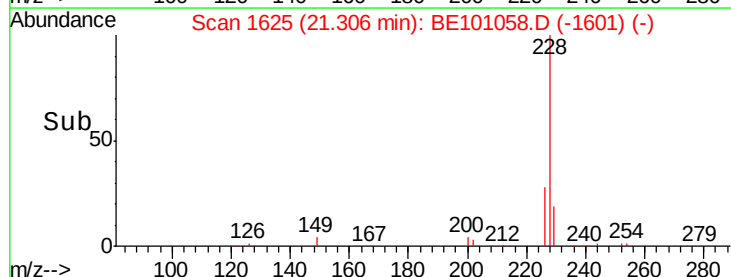
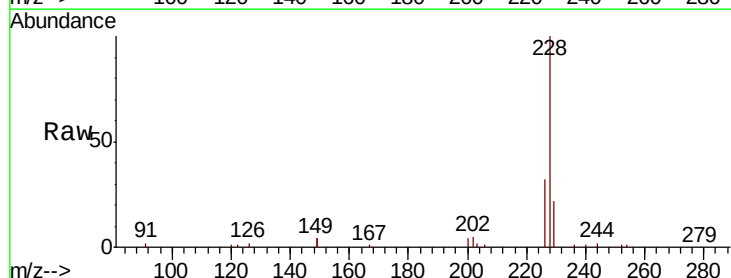
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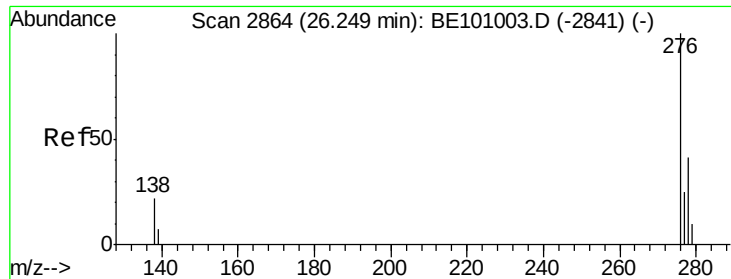
mohammad
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#31
Chrysene
Concen: 2.273 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.5	35.3
229	21.8	16.7	25.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 2.753 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Instrument :

BNA_E

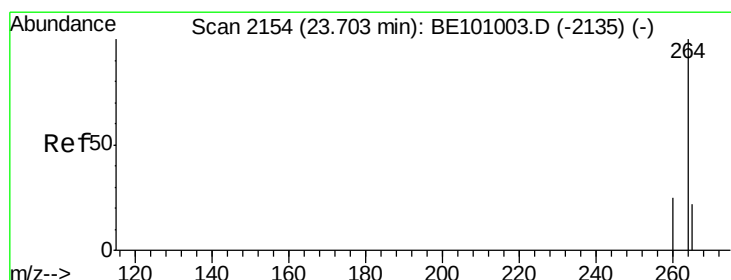
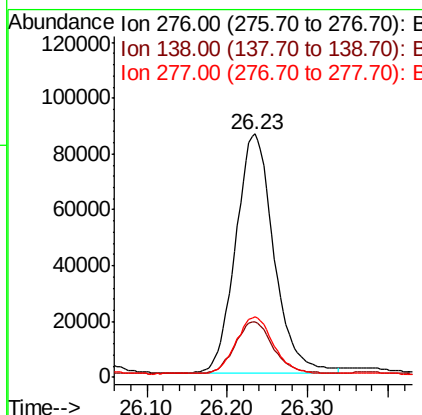
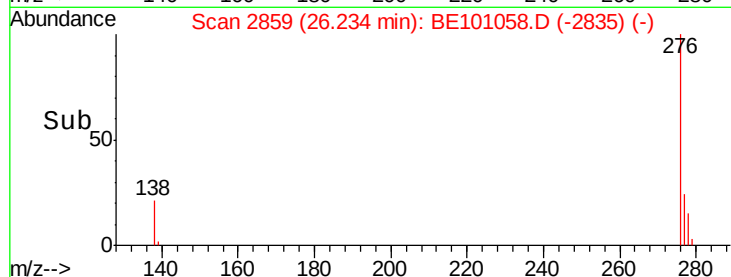
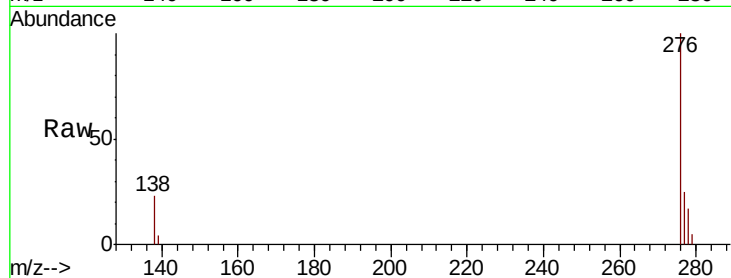
ClientSampleId :

SB-MW-16(2-3.5)

Tot Ion:	276	Resp:	281574
Ion Ratio	Lower	Upper	
276	100		
138	21.9	16.1	24.1
277	23.3	18.1	27.1

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#34

Perylene-d12

Concen: 0.400 ng

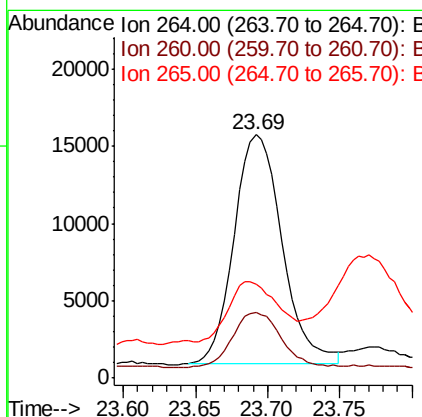
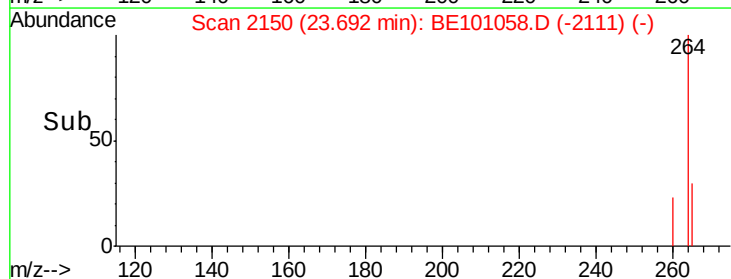
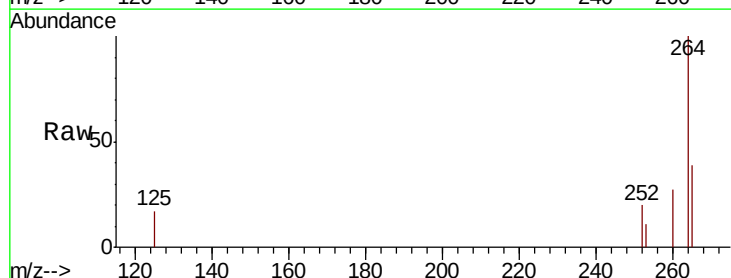
RT: 23.69 min Scan# 2150

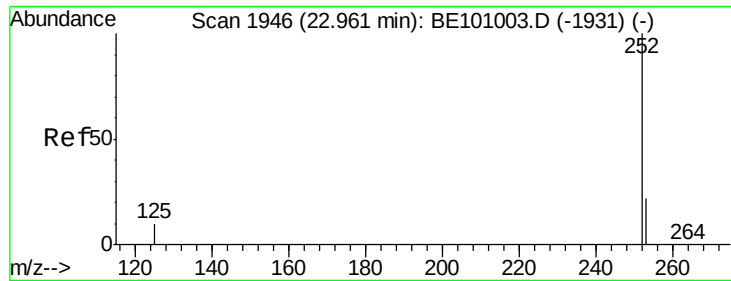
Delta R.T. -0.01 min

Lab File: BE101058.D

Acq: 14 Jan 2020 19:03

Tgt Ion:	264	Resp:	33978
Ion Ratio	Lower	Upper	
264	100		
260	27.0	20.3	30.5
265	38.6	27.0	40.4





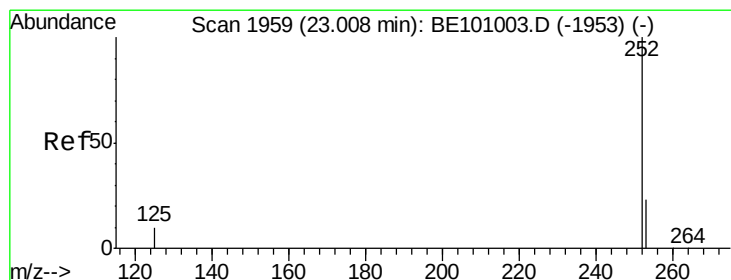
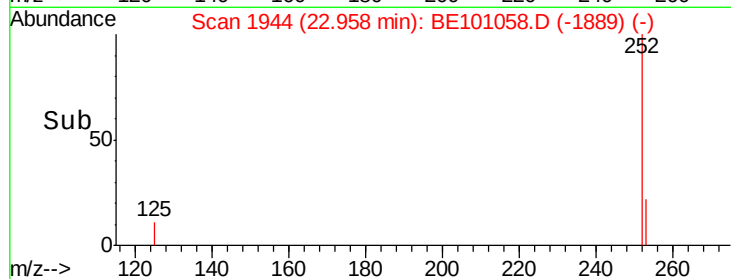
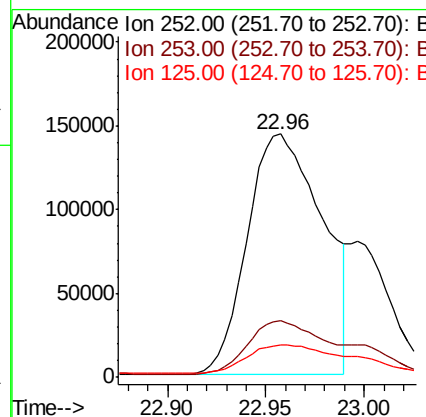
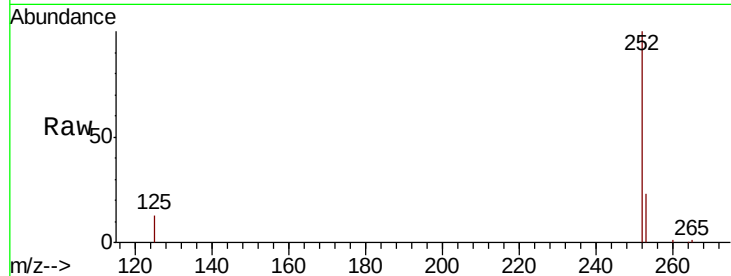
#35
Benzo(b)fluoranthene
Concen: 4.021 ng m
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	13.1	9.5	14.3

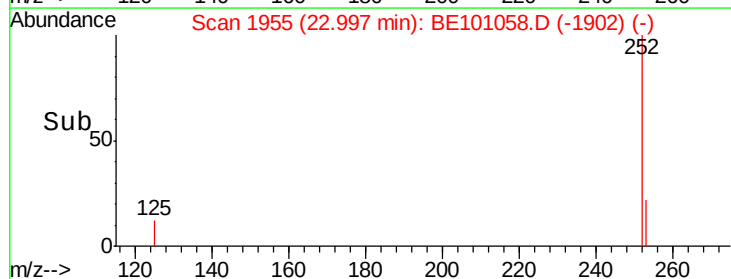
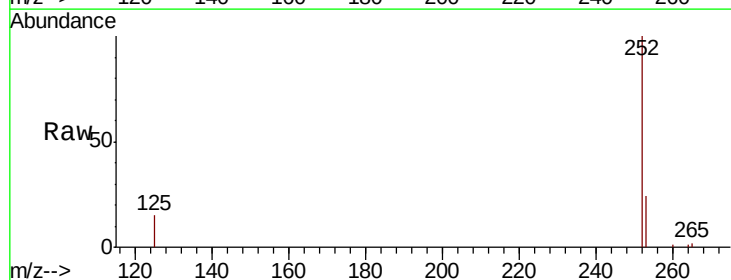
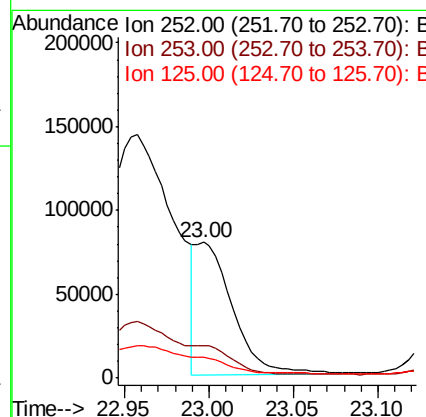
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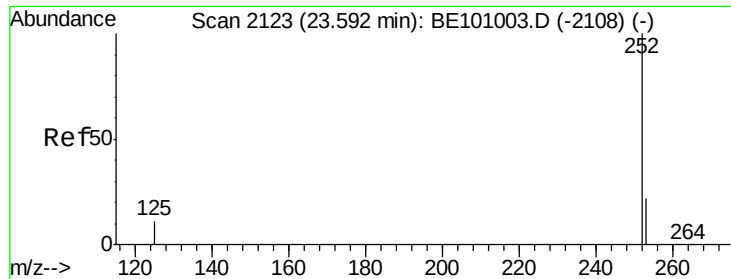
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.879 ng m
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.9	28.3
125	15.2	10.1	15.1#





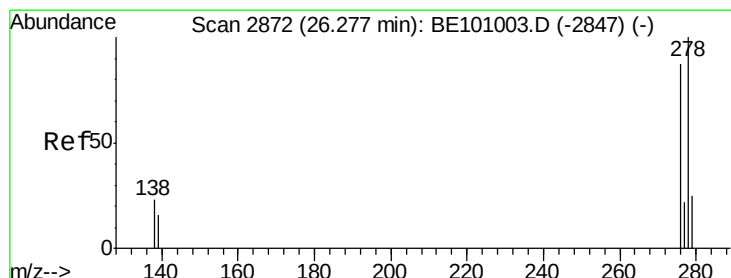
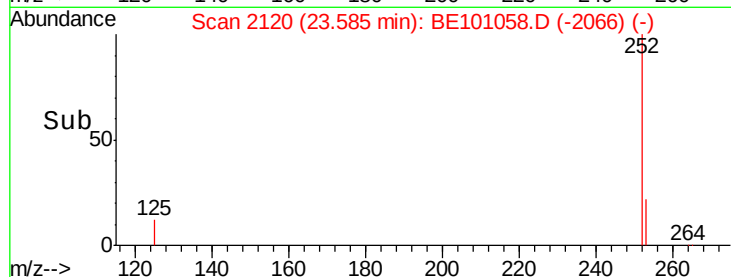
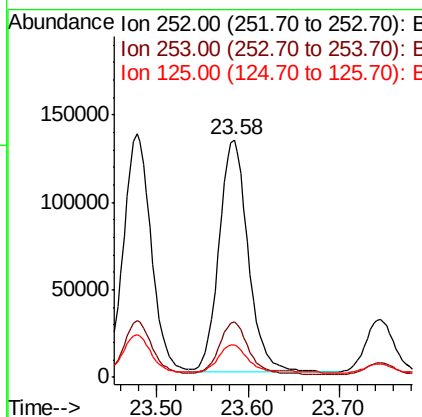
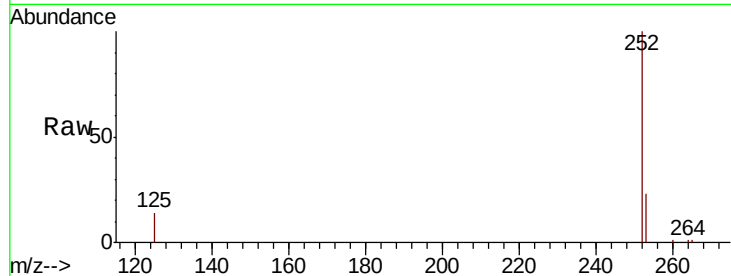
#37
Benzo(a)pyrene
Concen: 3.216 ng
RT: 23.58 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Instrument :
BNA_E
ClientSampleId :
SB-MW-16(2-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.2
125	13.8	11.8	17.6

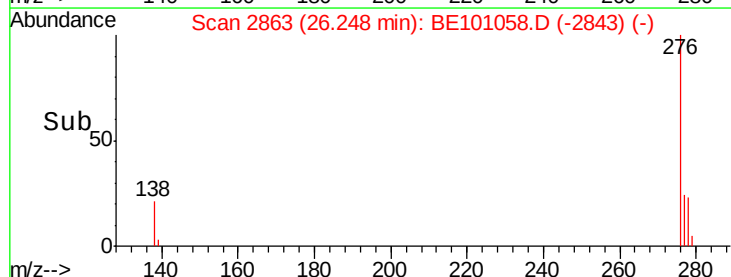
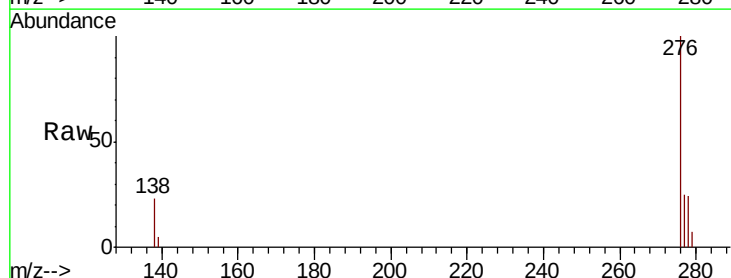
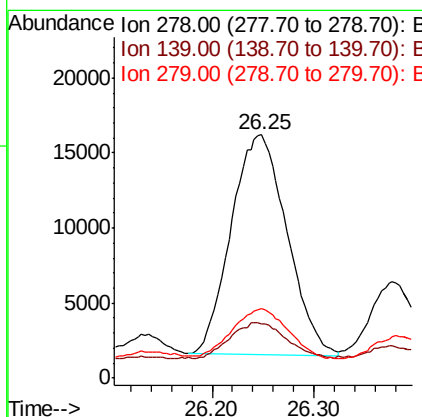
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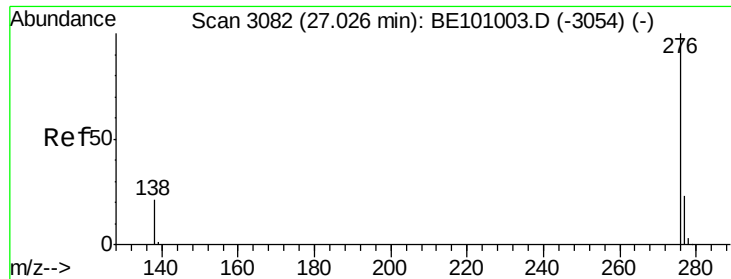
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.657 ng
RT: 26.25 min Scan# 2863
Delta R.T. -0.03 min
Lab File: BE101058.D
Acq: 14 Jan 2020 19:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	15.0	22.4
279	28.5	22.6	33.8





#39
 Benzo(a,h,i)perylene
 Concen: 3.345 ng
 RT: 27.02 min Scan# 3079
 Delta R.T. -0.01 min
 Lab File: BE101058.D
 Acq: 14 Jan 2020 19:03

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-16(2-3.5)

Tot Ion:	276	Resp:	348715
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	23.7	17.9	26.9

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:52:29 AM

