

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101056.D
 Acq On : 14 Jan 2020 17:48
 Operator : JU
 Sample : L1103-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-14(2-2.5)

Manual Integrations
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mohammad
 1/21/2020 7:51:35 AM

Quant Time: Jan 15 10:17:58 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	4225	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	22702	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	15493	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	33368	0.40	ng	0.00
27) Chrysene-d12	21.27	240	34084	0.40	ng	-0.01
34) Perylene-d12	23.69	264	36645	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	656	0.07	ng	-0.01
5) Phenol-d6	6.91	99	388	0.03	ng	-0.01
8) Nitrobenzene-d5	8.87	82	302	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	953	0.02	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	202	0.05	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	1184	0.02	ng	-0.02
25) Fluoranthene-d10	19.13	212	7311	0.02	ng	0.00
29) Terphenyl-d14	19.72	244	3548	0.04	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.55	128	1546250	6.134	ng	100
12) 2-Methylnaphthalene	12.17	142	62597	1.642	ng	# 84
16) Acenaphthylene	14.08	152	245677	3.893	ng	99
17) Acenaphthene	14.41	154	17574	0.389	ng	92
18) Fluorene	15.39	166	77857	1.364	ng	96
22) Pentachlorophenol	16.75	266	422	0.317	ng	# 89
23) Phenanthrene	17.13	178	628948	6.903	ng	99
24) Anthracene	17.21	178	180236	2.096	ng	97
26) Fluoranthene	19.16	202	1411568	12.370	ng	98
28) Pyrene	19.52	202	1454009	11.460	ng	96
30) Benzo(a)anthracene	21.26	228	1079368	11.098	ng	92
31) Chrysene	21.31	228	941482	6.513	ng	95
33) Indeno(1,2,3-cd)pyrene	26.24	276	663172	5.807	ng	96
35) Benzo(b)fluoranthene	22.96	252	1316106	12.806	ng	99
36) Benzo(k)fluoranthene	23.00	252	500031m	3.358	ng	
37) Benzo(a)pyrene	23.58	252	926001	9.314	ng	97
38) Dibenzo(a,h)anthracene	26.25	278	177758	1.944	ng	99
39) Benzo(a,h,i)perylene	27.02	276	678810	6.037	ng	99

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

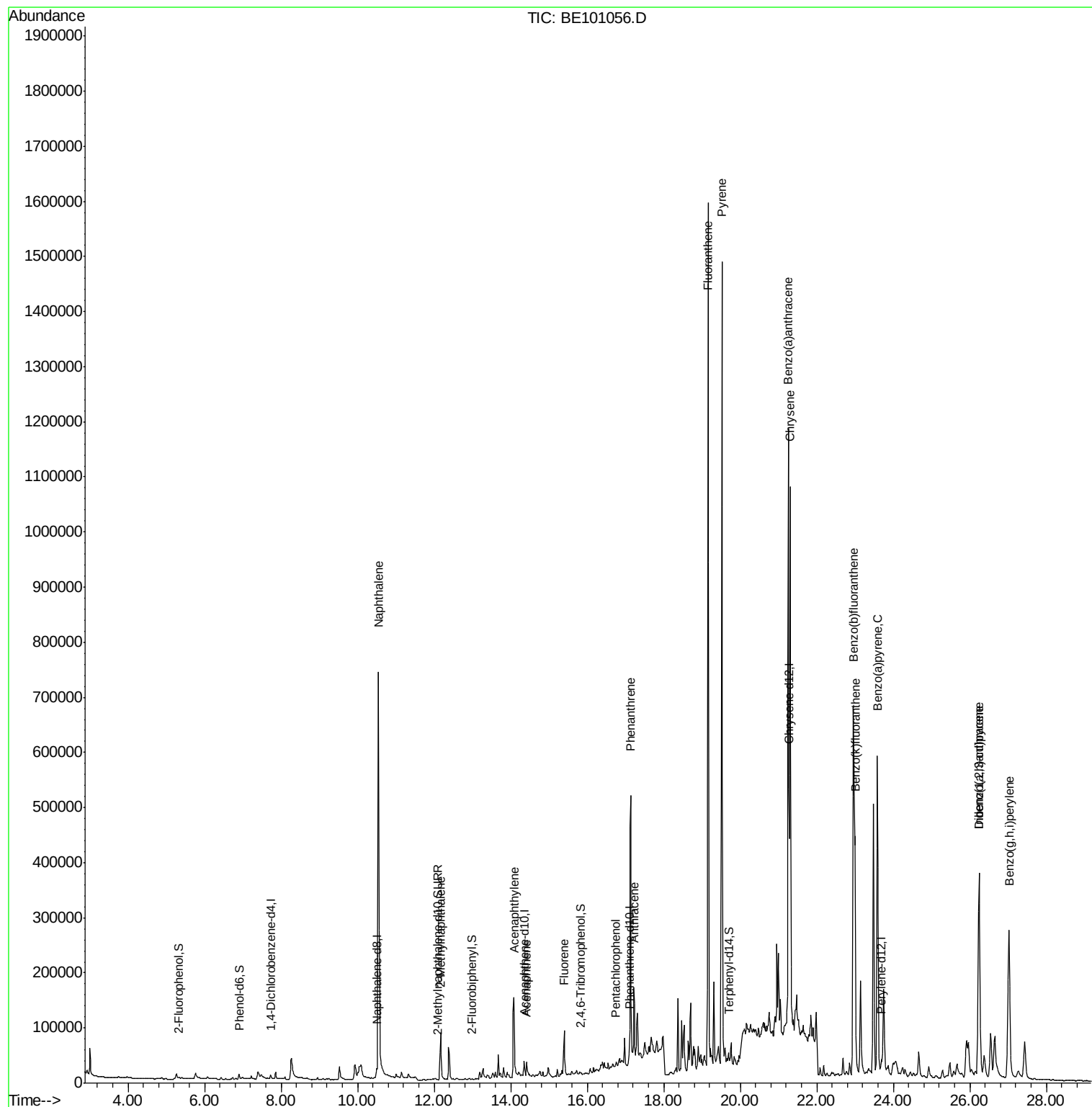
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101056.D
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Operator : JU
Sample : L1103-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

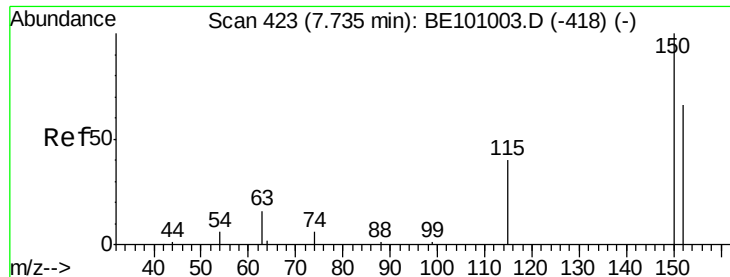
Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

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Quant Time: Jan 15 10:17:58 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

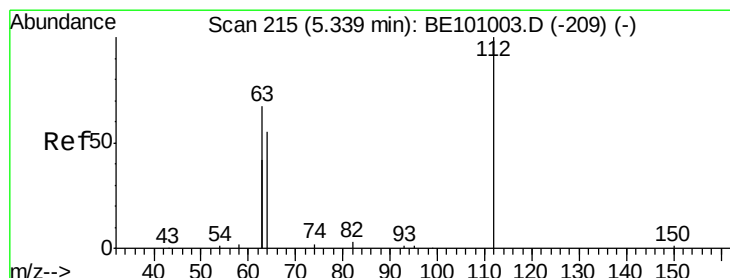
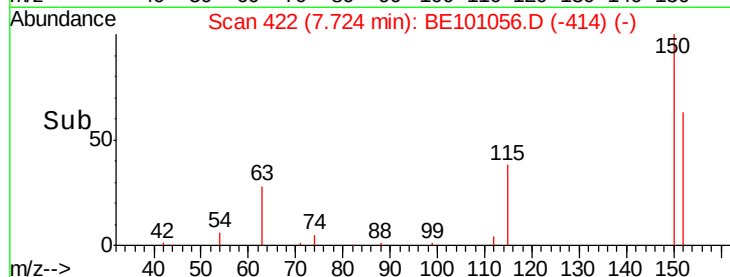
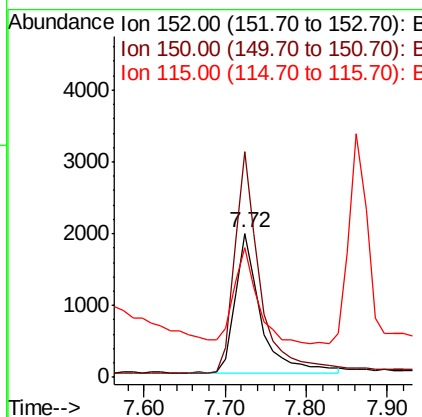
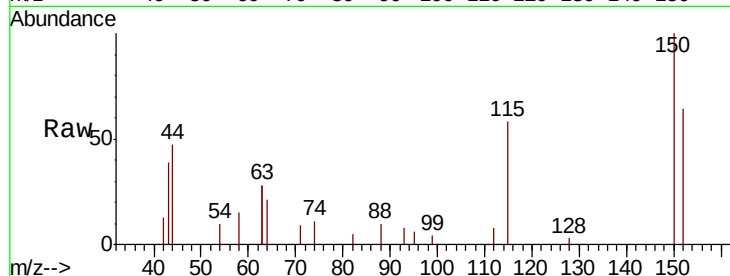
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	120.3	180.5
115	89.9	51.7	77.5#

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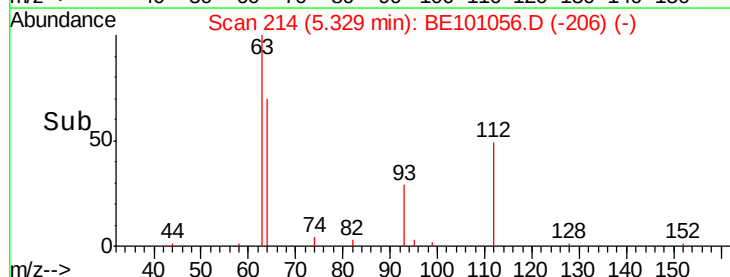
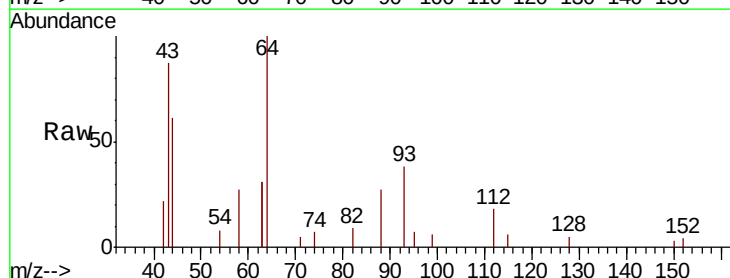
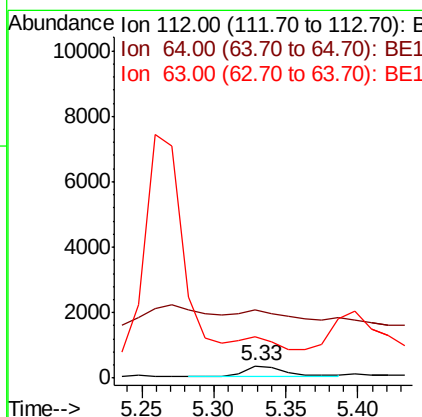
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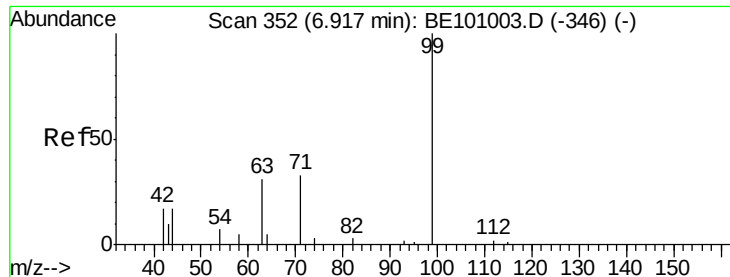


#4

2-Fluorophenol
Concen: 0.069 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.6	80.4#
63	0.0	114.6	172.0#





#5

Phenol-d6

Concen: 0.032 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Instrument :

BNA_E

ClientSampleId :

SB-MW-14(2-2.5)

Tot Ion: 99 Resp: 388

Ion Ratio Lower Upper

99 100

42 330.7 18.3 27.5#

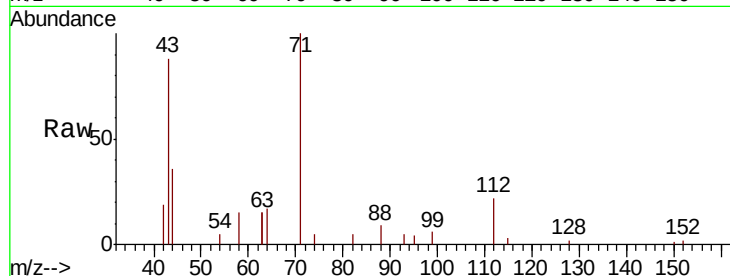
71 1718.0 28.0 42.0#

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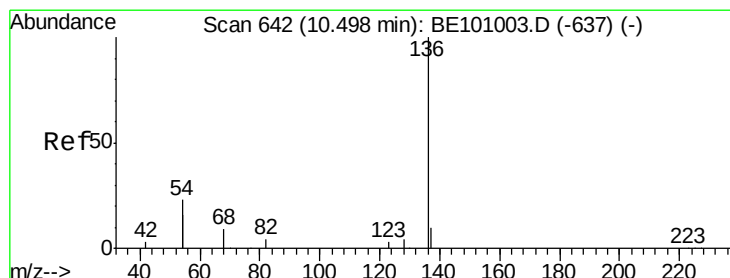
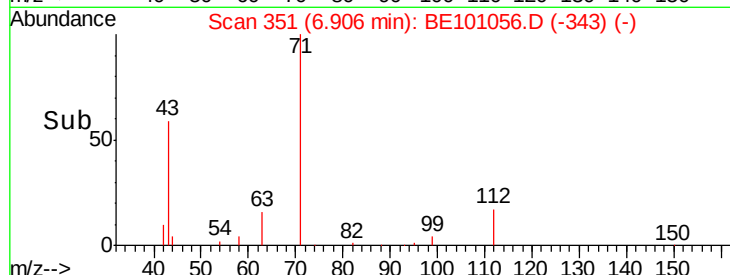
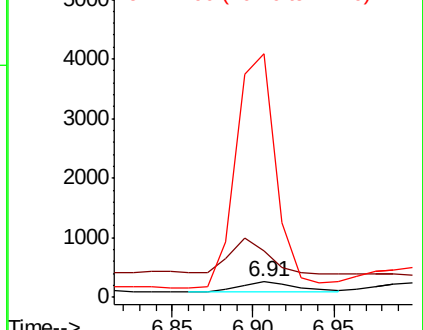
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Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Tgt Ion: 136 Resp: 22702

Ion Ratio Lower Upper

136 100

137 12.3 9.3 13.9

54 31.8 36.8 55.2#

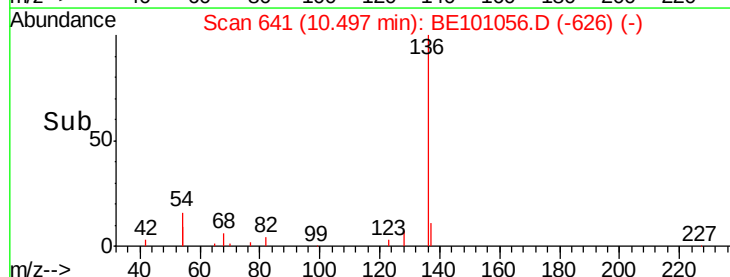
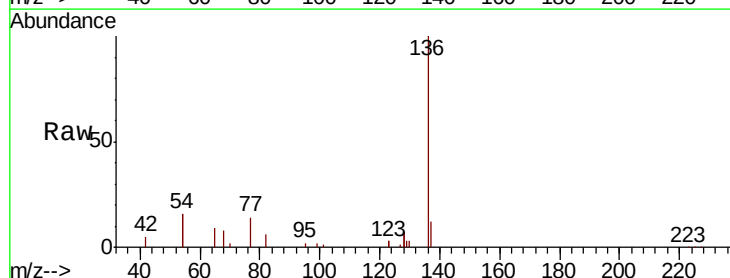
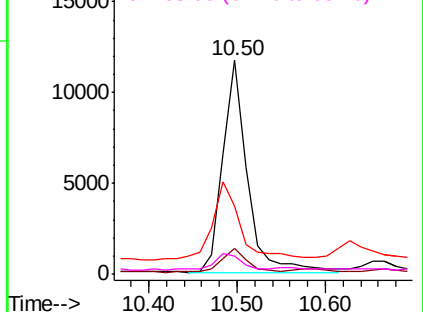
68 8.1 8.4 12.6#

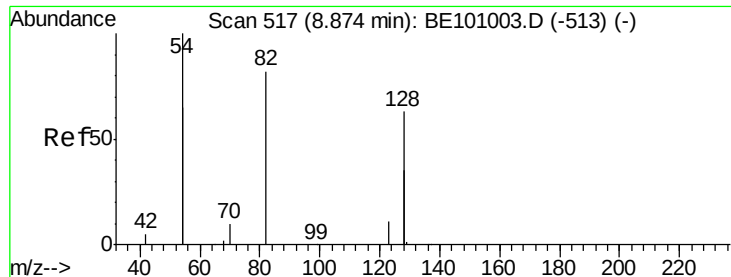
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.019 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Instrument :

BNA_E

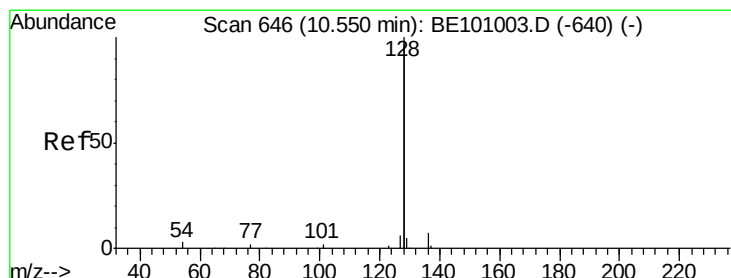
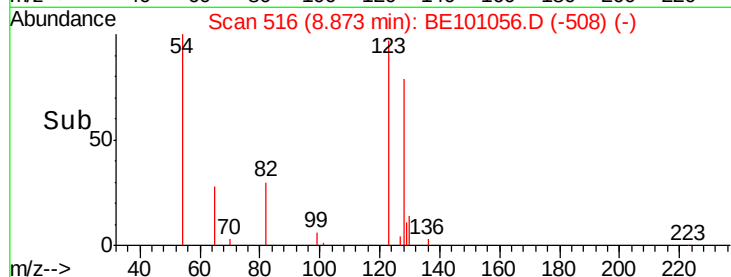
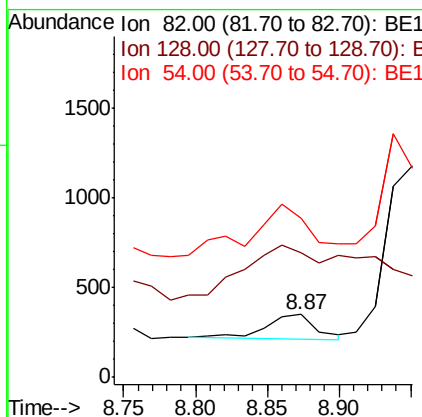
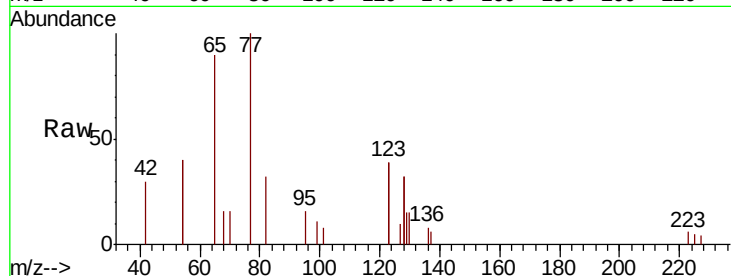
ClientSampled :

SB-MW-14(2-2.5)

Tot Ion:	82	Resp:	302
Ion Ratio	Lower	Upper	
82	100		
128	198.9	109.8	164.6#
54	252.6	174.5	261.7

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#9

Naphthalene

Concen: 6.134 ng

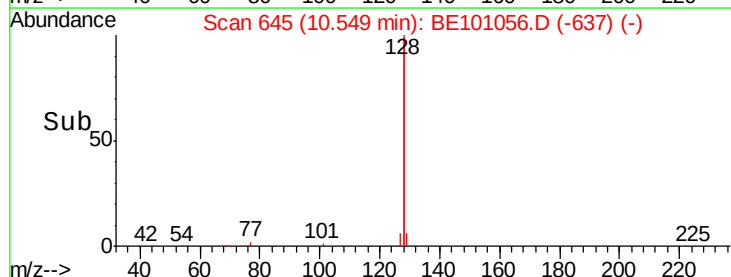
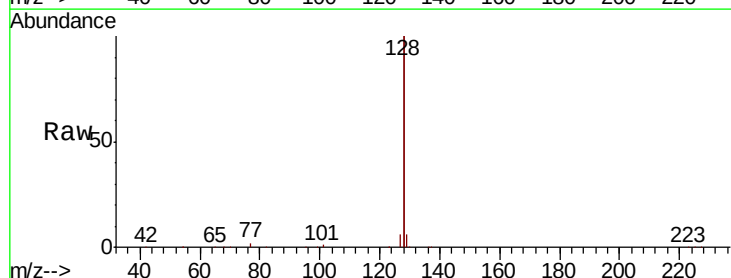
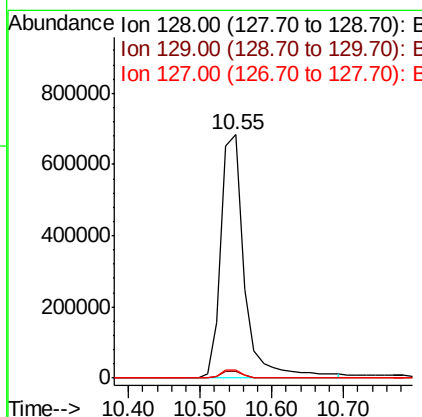
RT: 10.55 min Scan# 645

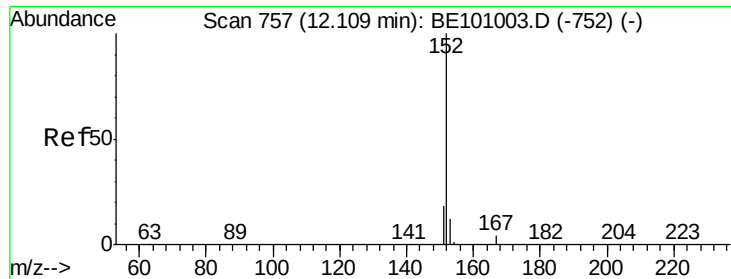
Delta R.T. -0.00 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Tgt Ion:	128	Resp:	1546250
Ion Ratio	Lower	Upper	
128	100		
129	2.9	2.3	3.5
127	3.2	2.7	4.1





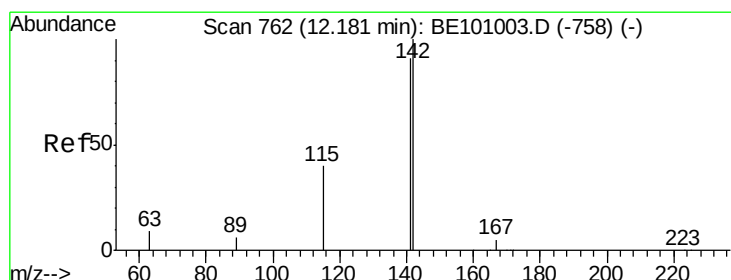
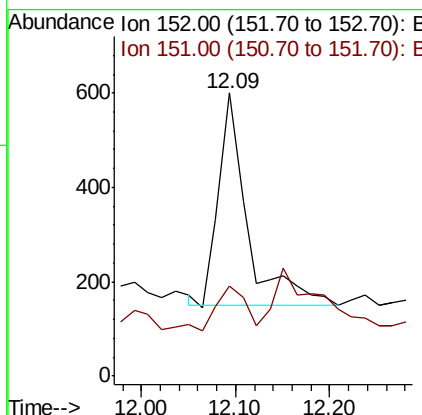
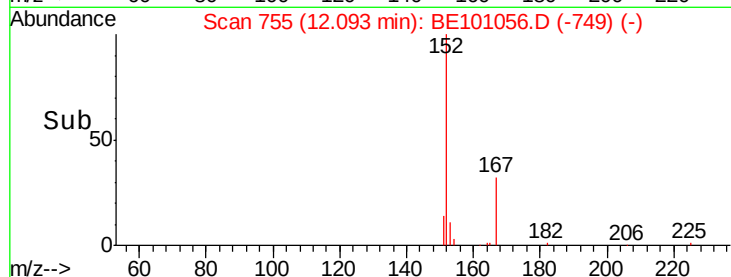
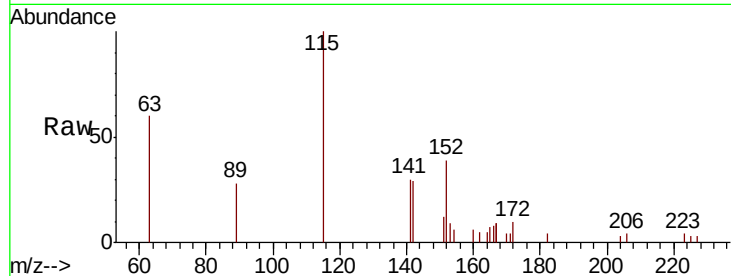
#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion:152 Resp: 953
Ion Ratio Lower Upper
152 100
151 17.3 15.0 22.6

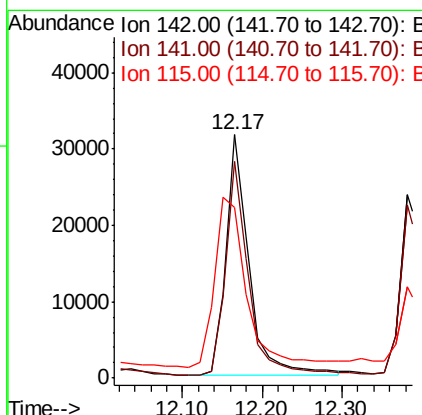
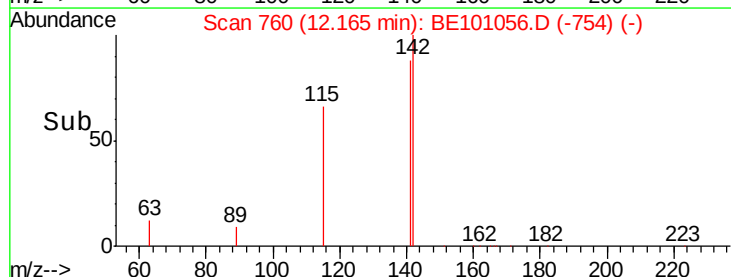
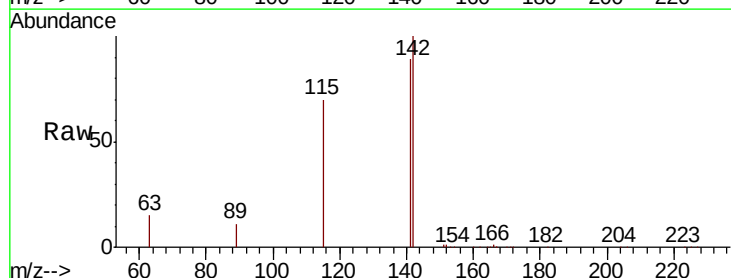
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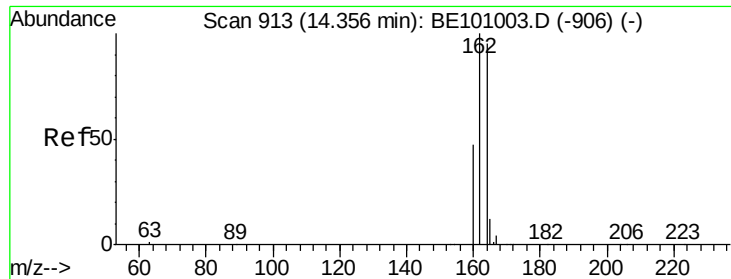
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#12
2-Methylnaphthalene
Concen: 1.642 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion:142 Resp: 62597
Ion Ratio Lower Upper
142 100
141 88.8 72.5 108.7
115 70.3 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: BE101056.D

Acq: 14 Jan 2020 17:48

Instrument :

BNA_E

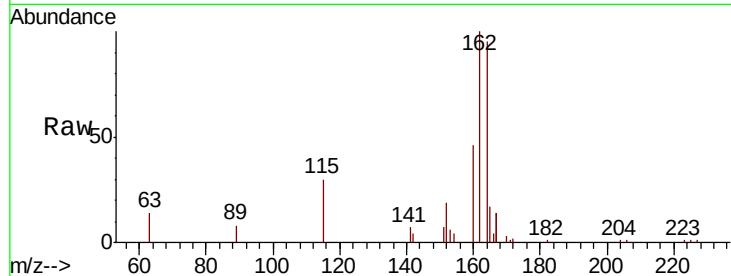
ClientSampleId :

SB-MW-14(2-2.5)

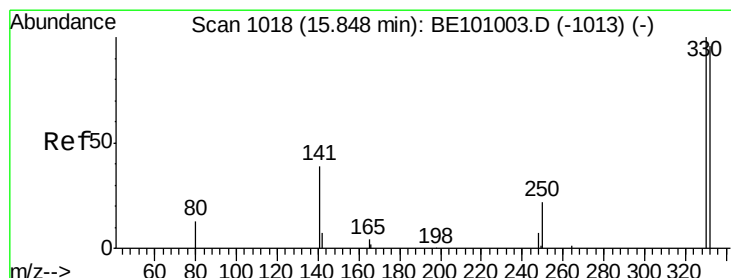
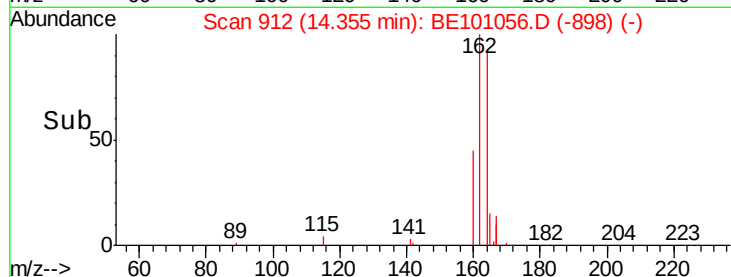
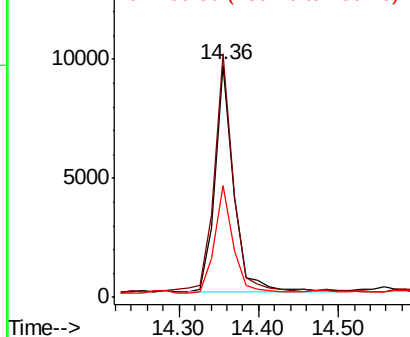
Tot Ion:	164	Resp:	15493
Ion Ratio	Lower	Upper	
164	100		
162	104.7	84.1	126.1
160	48.2	40.4	60.6

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.046 ng

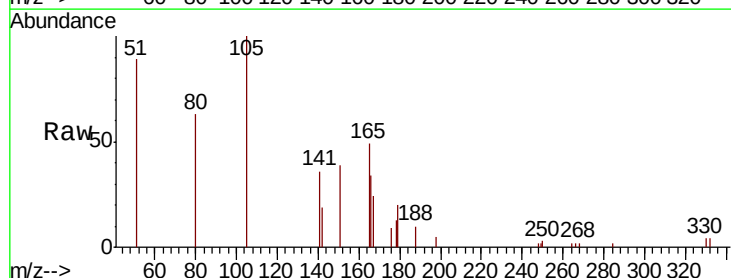
RT: 15.84 min Scan# 1016

Delta R.T. -0.01 min

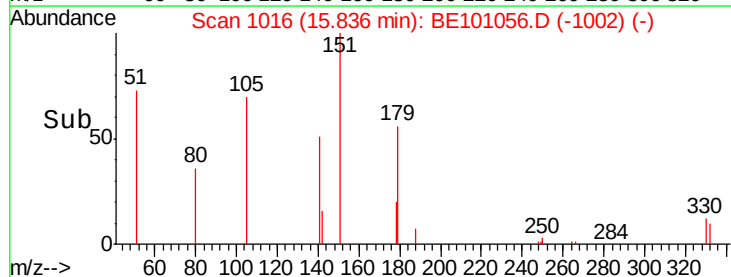
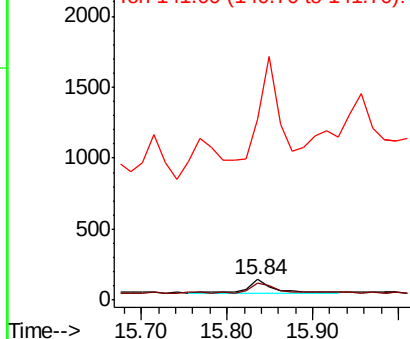
Lab File: BE101056.D

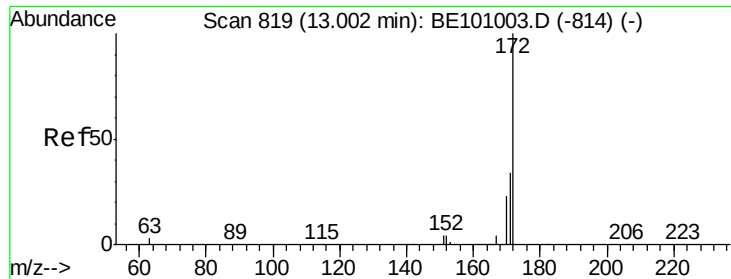
Acq: 14 Jan 2020 17:48

Tgt Ion:	330	Resp:	202
Ion Ratio	Lower	Upper	
330	100		
332	73.3	78.4	117.6#
141	565.3	37.0	55.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





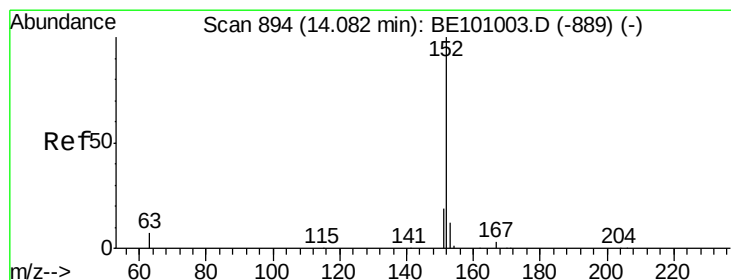
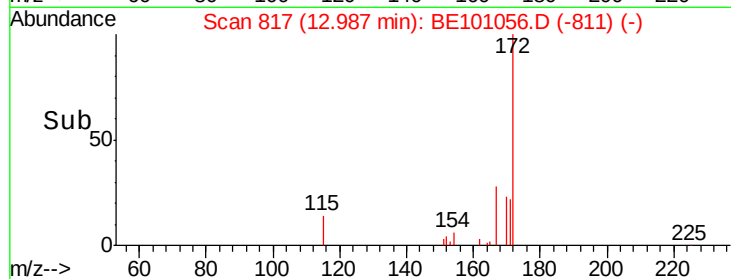
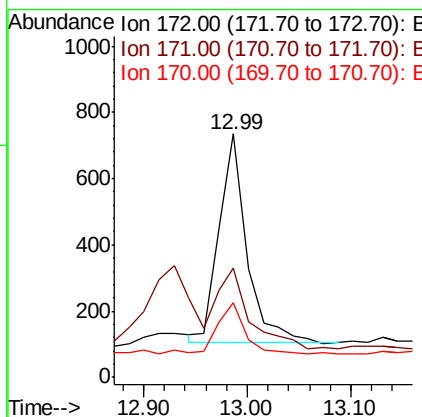
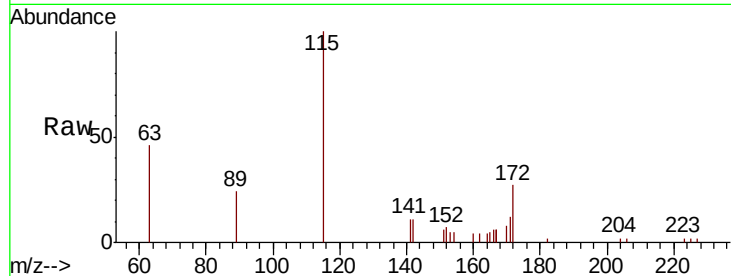
#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.0	28.2	42.2#
170	30.5	18.9	28.3#

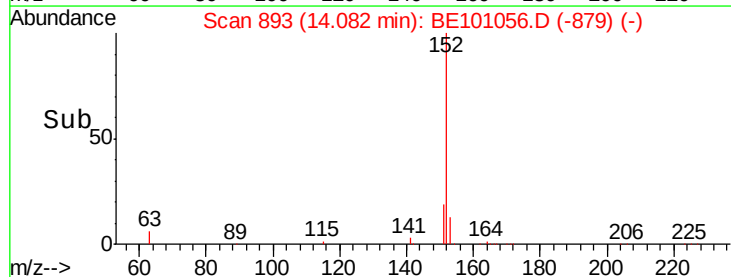
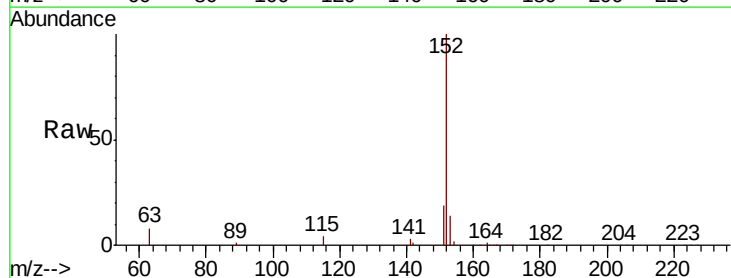
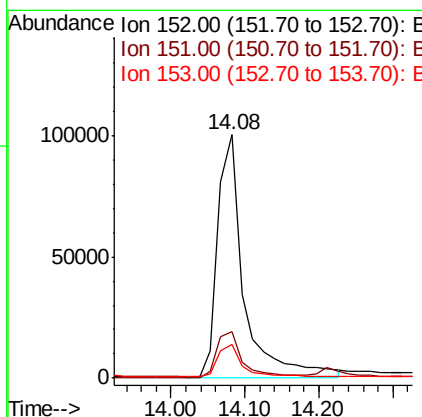
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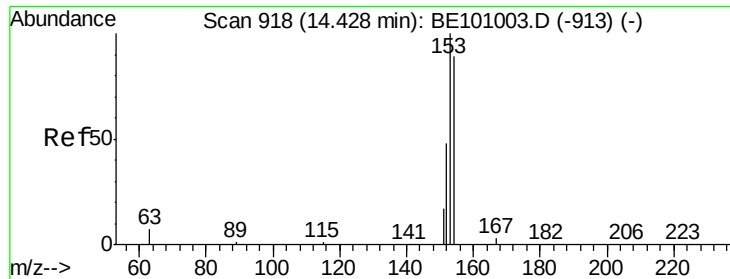
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#16
Acenaphthylene
Concen: 3.893 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.0	10.4	15.6





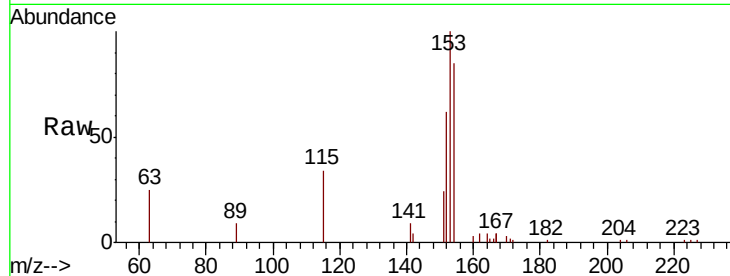
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	103.9	93.6	140.4
152	57.7	46.3	69.5

Manual Integrations
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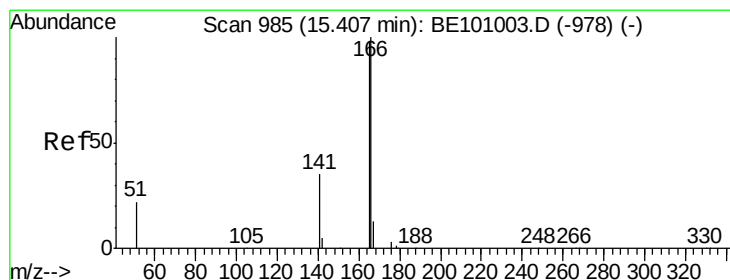
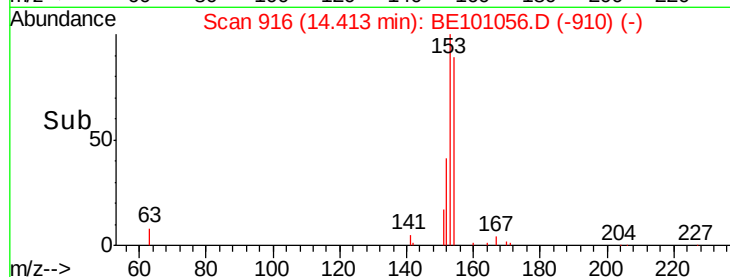
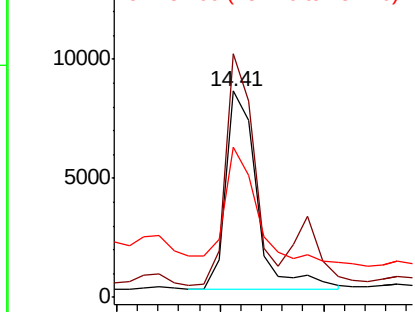


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 1.364 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

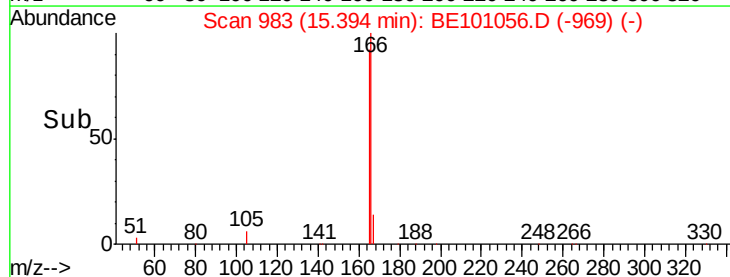
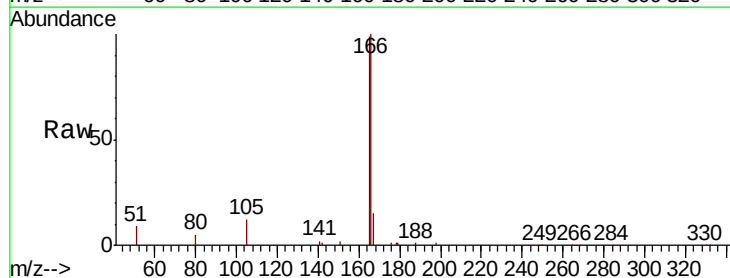
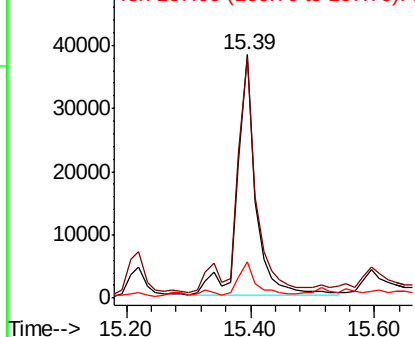
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	79.8	119.8
167	12.3	11.0	16.6

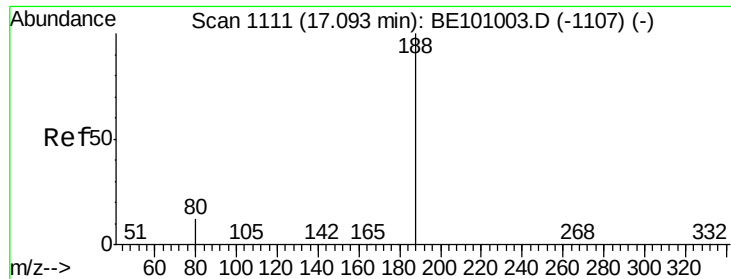
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





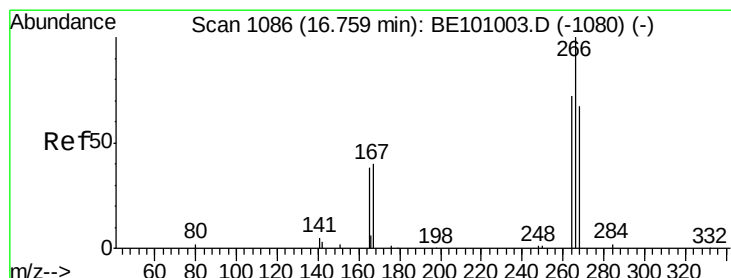
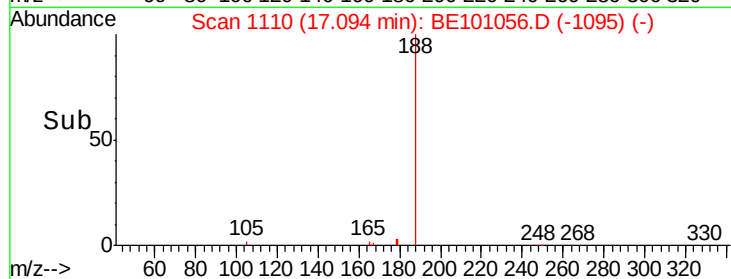
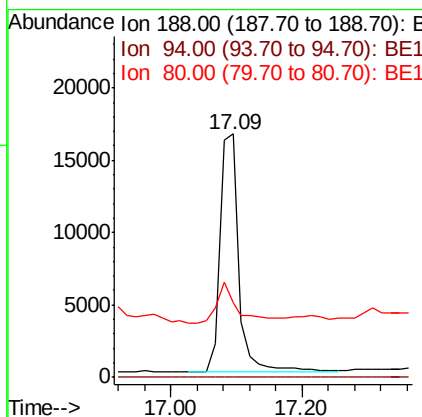
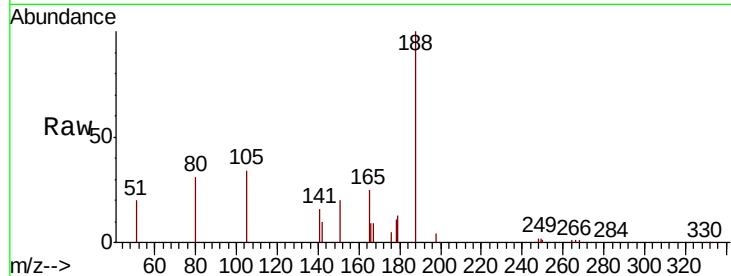
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	30.6	10.8	16.2

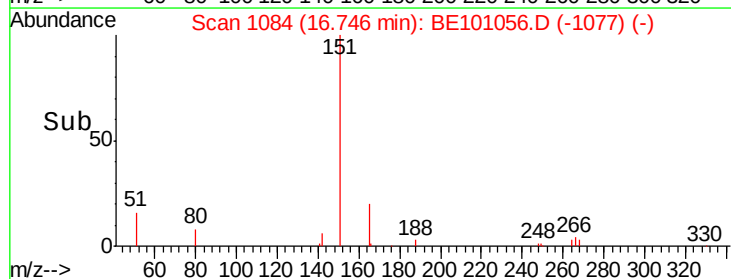
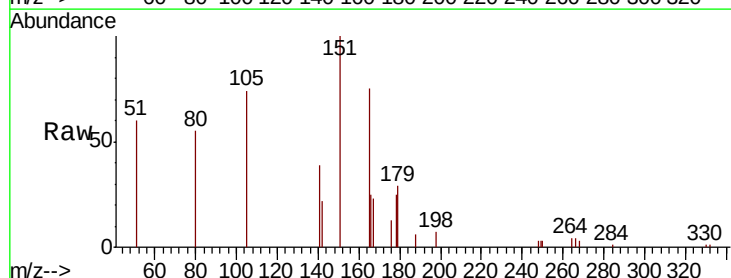
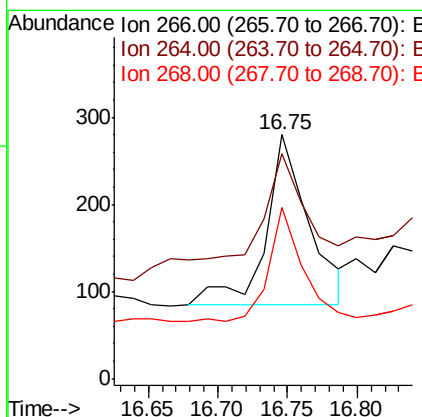
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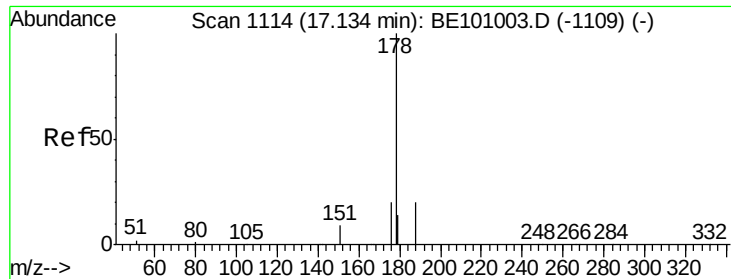
mohammad
1/21/2020 7:51:35 AM



#22
Pentachlorophenol
Concen: 0.317 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
266	100		
264	92.1	61.0	91.4
268	70.4	58.5	87.7





#23

Phenanthrene

Concen: 6.903 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Instrument :

BNA_E

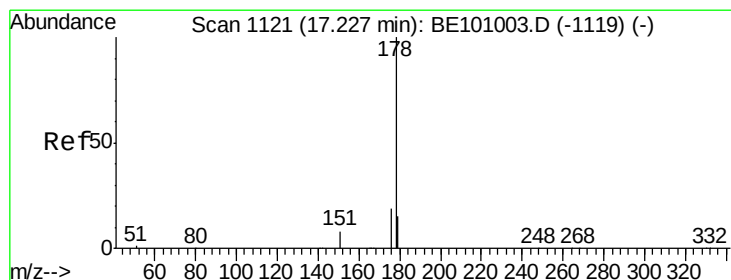
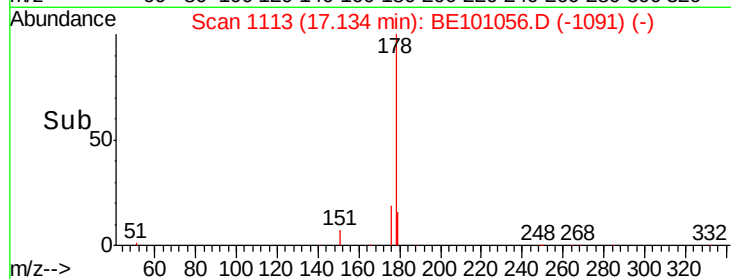
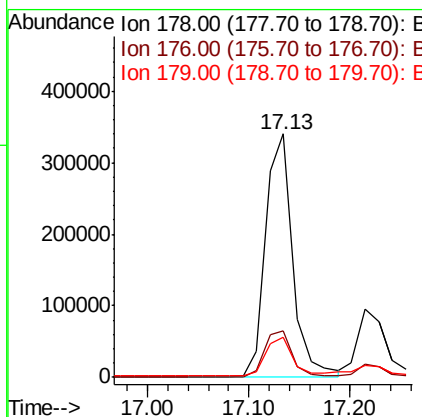
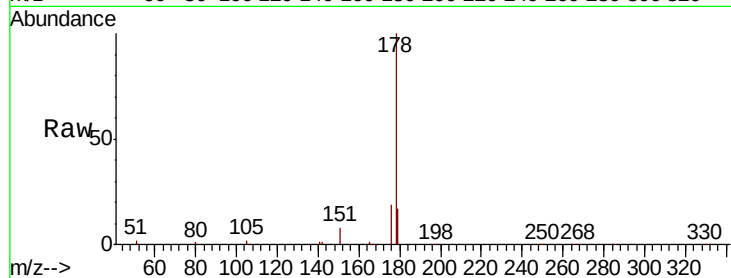
ClientSampleId :

SB-MW-14(2-2.5)

Tot Ion:178	Resp:	628948
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.7 23.5
179	16.3	12.0 18.0

Manual Integrations
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#24

Anthracene

Concen: 2.096 ng

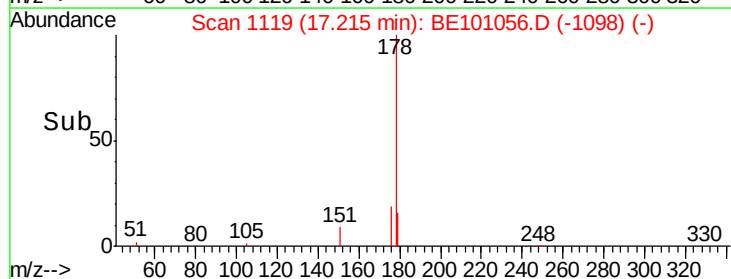
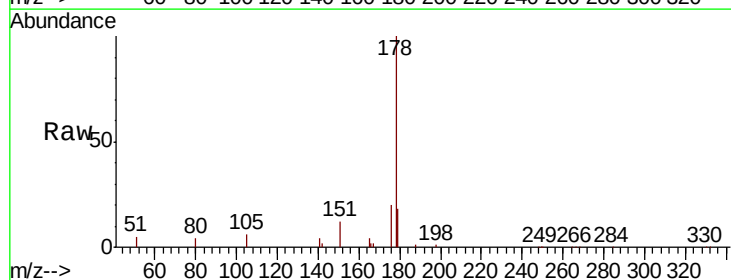
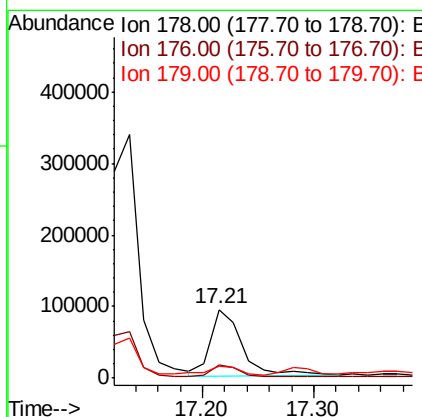
RT: 17.21 min Scan# 1119

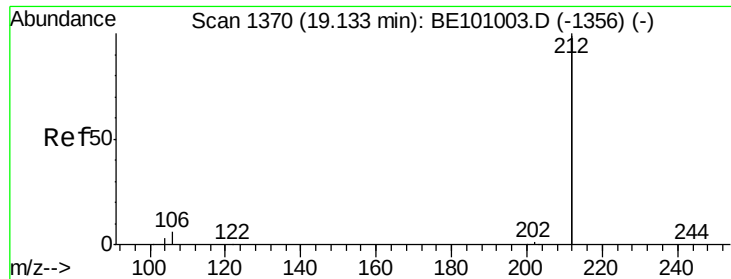
Delta R.T. -0.01 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Tgt Ion:178	Resp:	180236
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.8 22.2
179	18.1	12.4 18.6





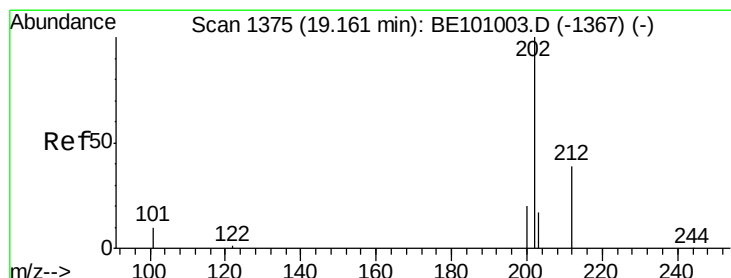
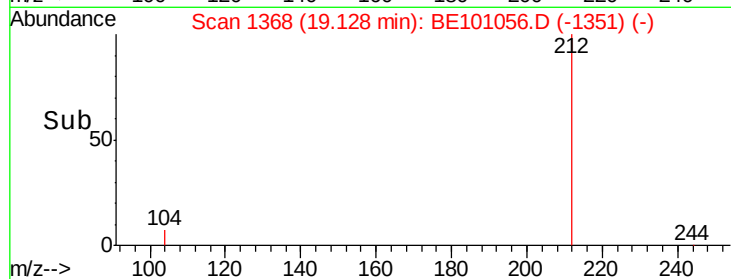
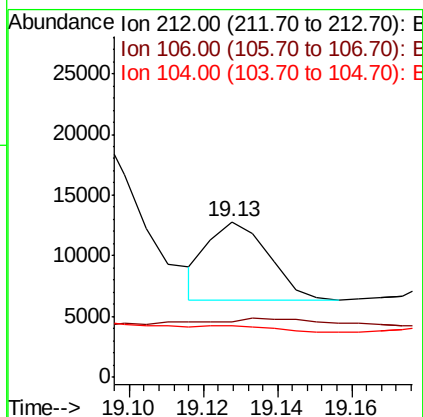
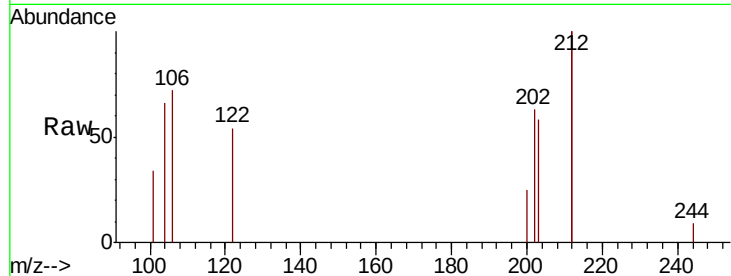
#25
Fluoranthene-d10
Concen: 0.016 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
212	100		
106	16.6	2.6	3.8#
104	0.0	1.4	2.0#

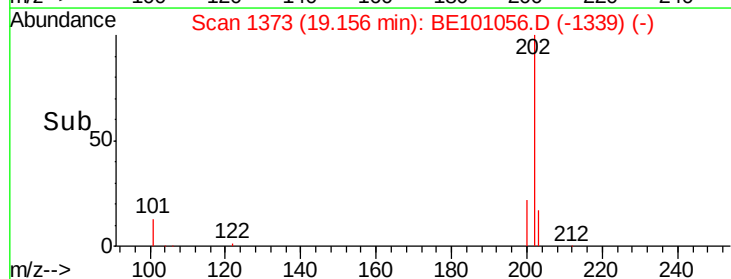
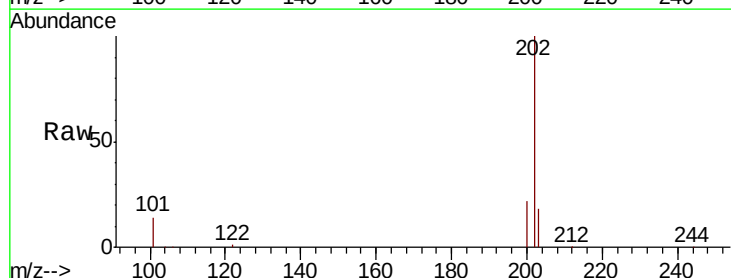
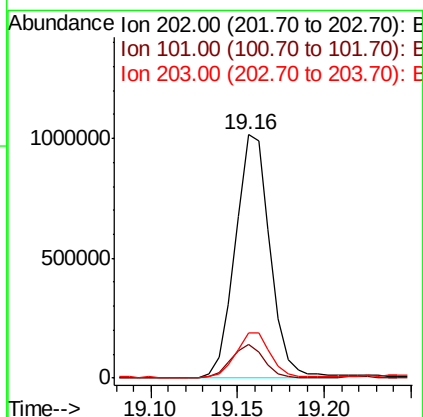
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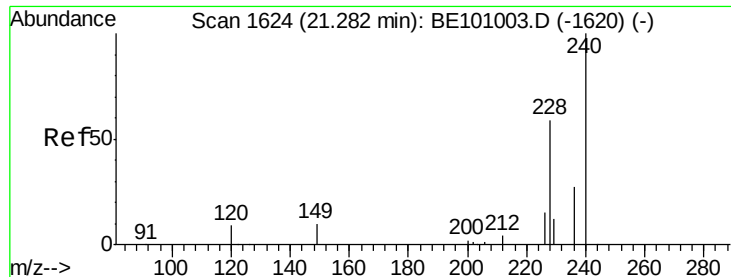
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#26
Fluoranthene
Concen: 12.370 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.6	14.4
203	18.0	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Instrument :

BNA_E

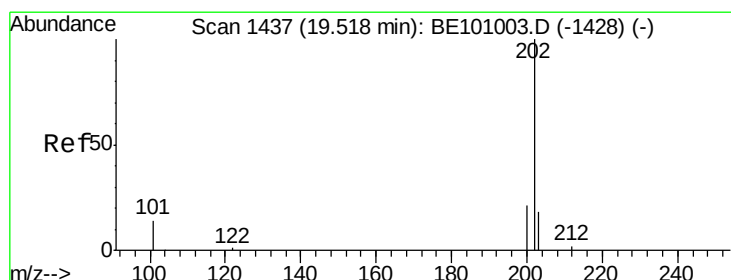
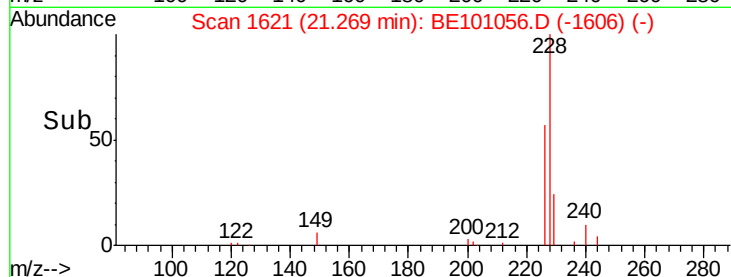
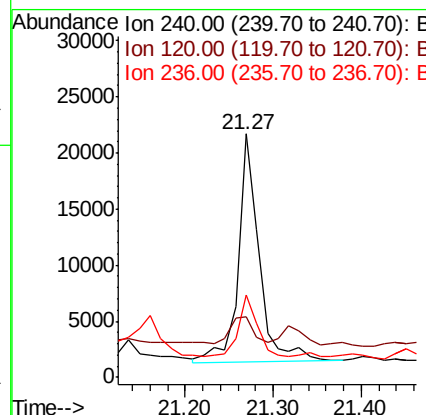
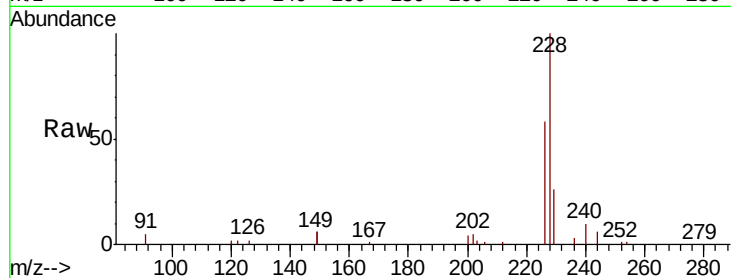
ClientSampleId :

SB-MW-14(2-2.5)

Tot Ion:	240	Resp:	34084
Ion Ratio	Lower	Upper	
240	100		
120	25.1	8.6	13.0#
236	34.1	22.2	33.4#

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#28

Pyrene

Concen: 11.460 ng

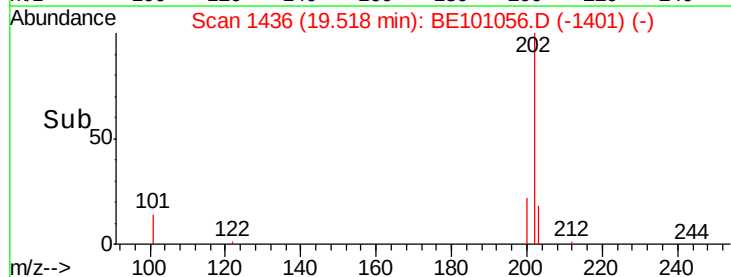
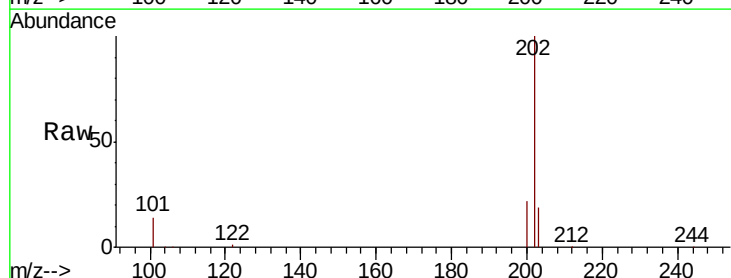
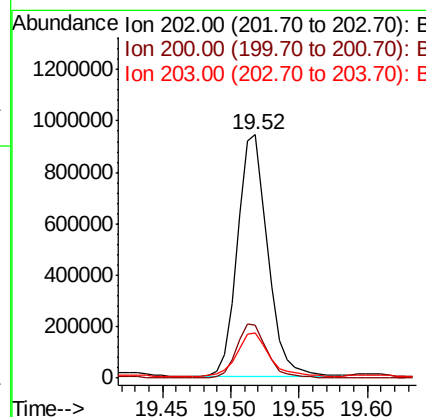
RT: 19.52 min Scan# 1436

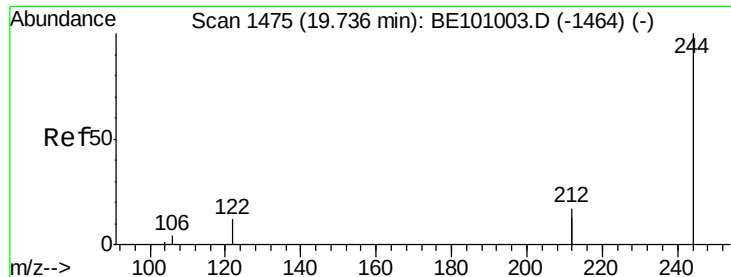
Delta R.T. 0.00 min

Lab File: BE101056.D

Acq: 14 Jan 2020 17:48

Tgt Ion:	202	Resp:	1454009
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.0	25.4
203	19.9	13.8	20.6





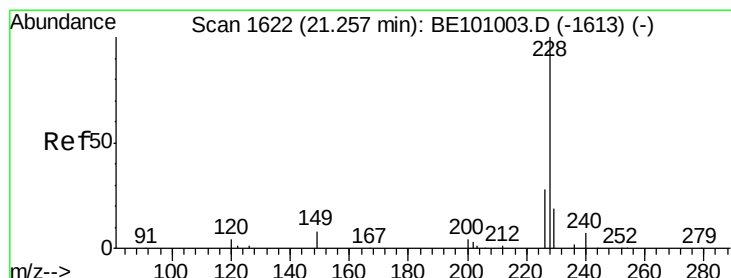
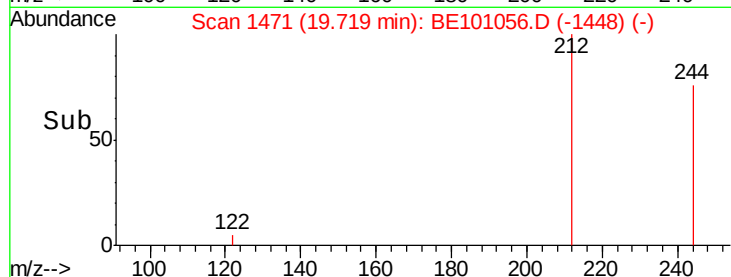
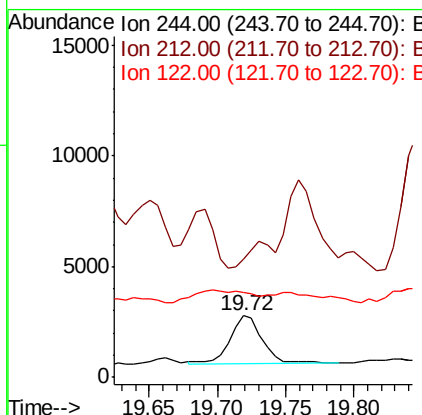
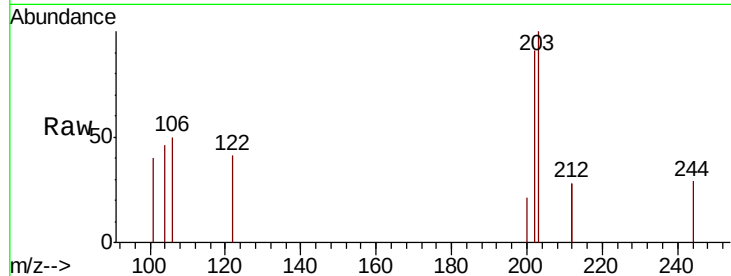
#29
 Terphenyl-d14
 Concen: 0.042 ng
 RT: 19.72 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: BE101056.D
 Acq: 14 Jan 2020 17:48

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	193.0	27.2	40.8#
122	138.9	9.8	14.8#

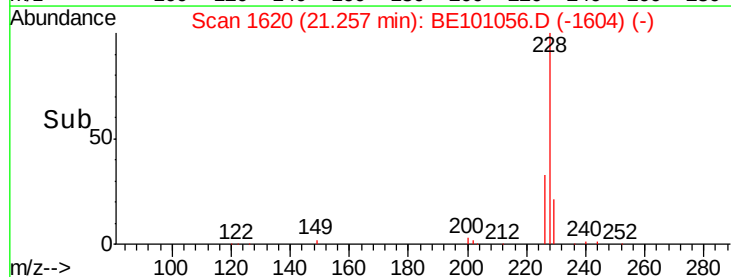
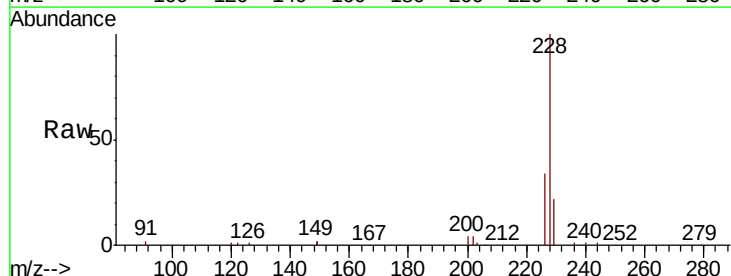
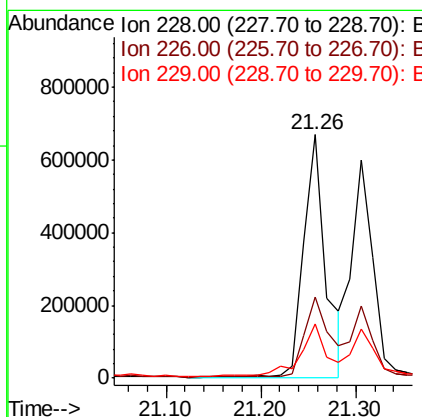
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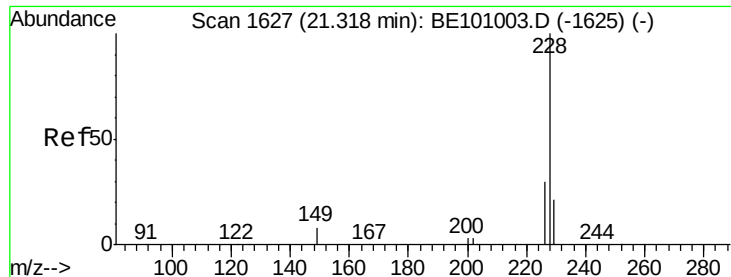
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#30
 Benzo(a)anthracene
 Concen: 11.098 ng
 RT: 21.26 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE101056.D
 Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.7	34.1
229	22.0	15.5	23.3





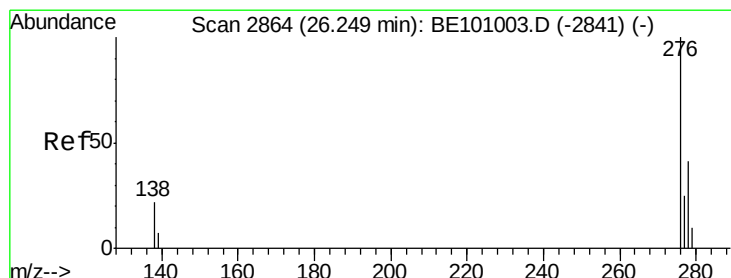
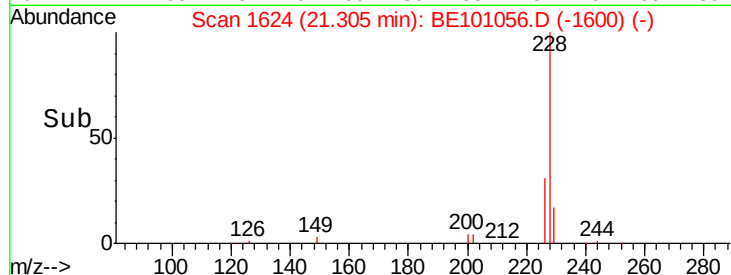
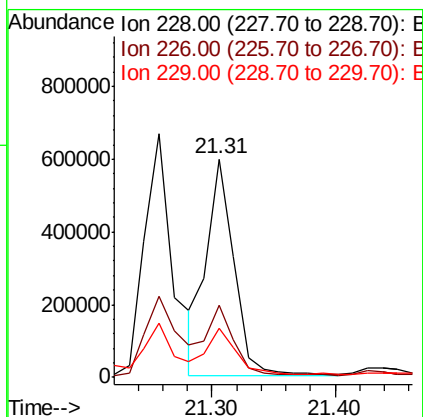
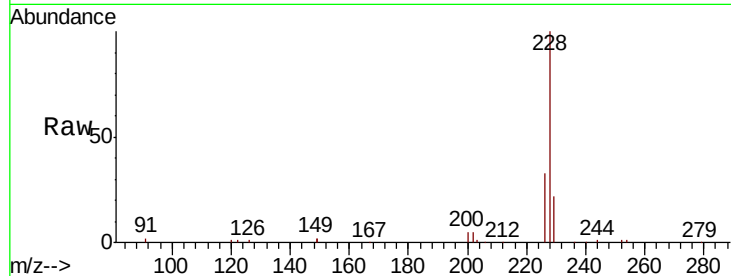
#31
Chrysene
Concen: 6.513 ng
RT: 21.31 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion:228	Resp:	941482
Ion Ratio	Lower	Upper
228 100		
226 32.9	23.5	35.3
229 22.4	16.7	25.1

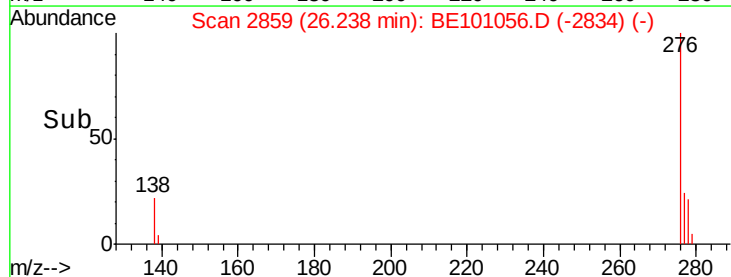
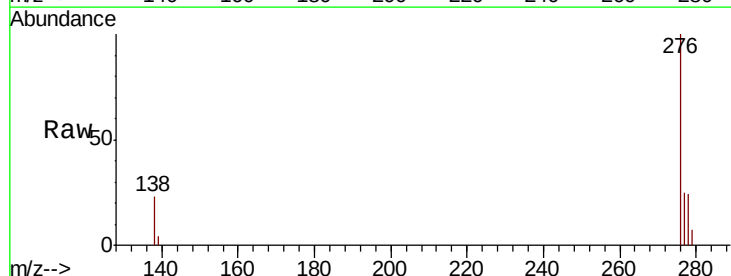
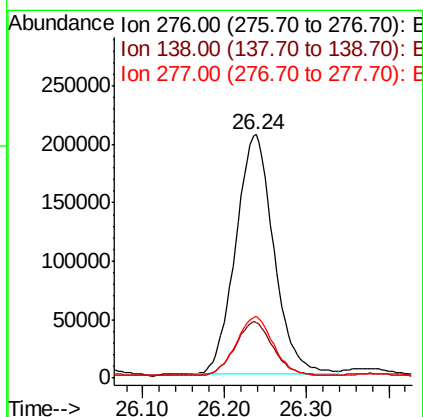
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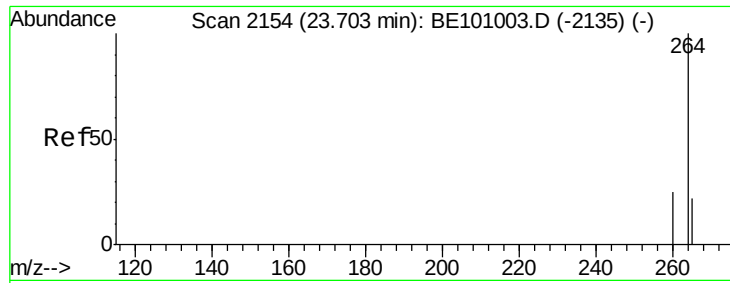
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#33
Indeno(1,2,3-cd)pyrene
Concen: 5.807 ng
RT: 26.24 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion:276	Resp:	663172
Ion Ratio	Lower	Upper
276 100		
138 22.2	16.1	24.1
277 24.0	18.1	27.1





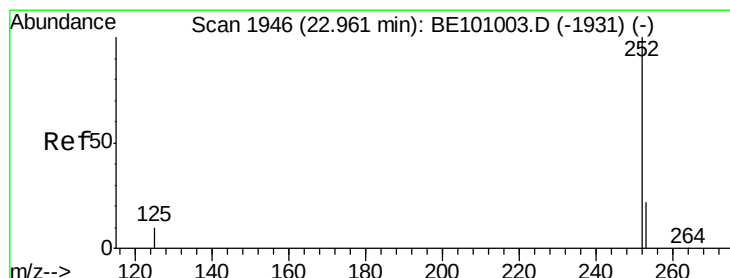
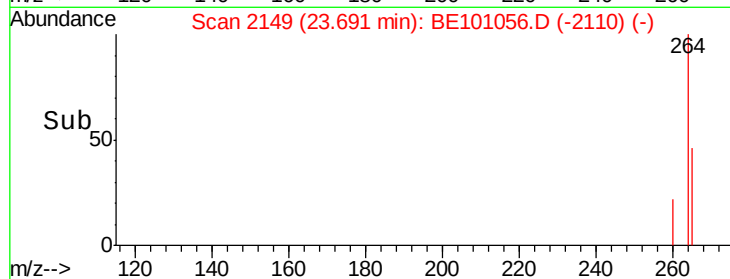
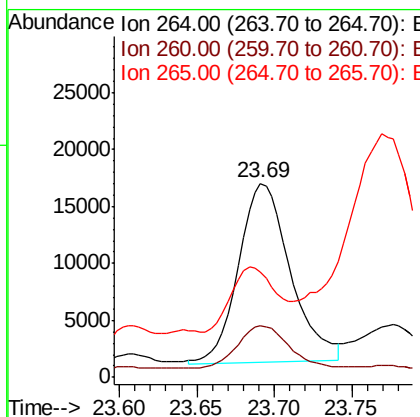
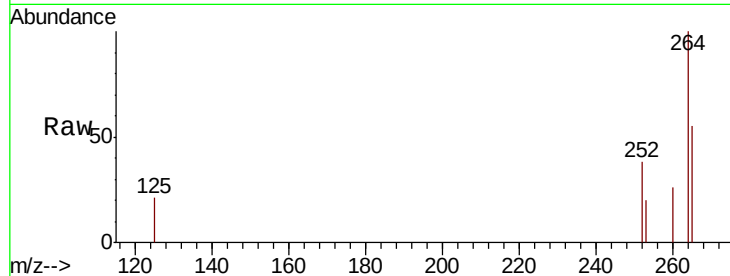
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.3	30.5
265	54.6	27.0	40.4

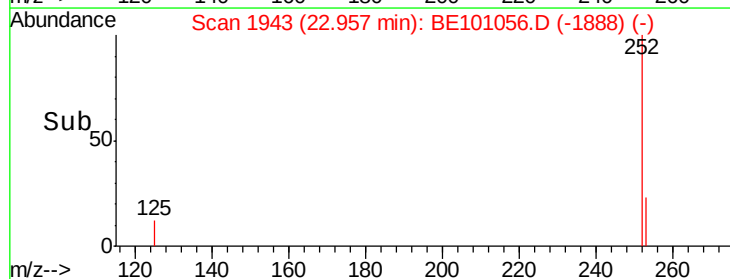
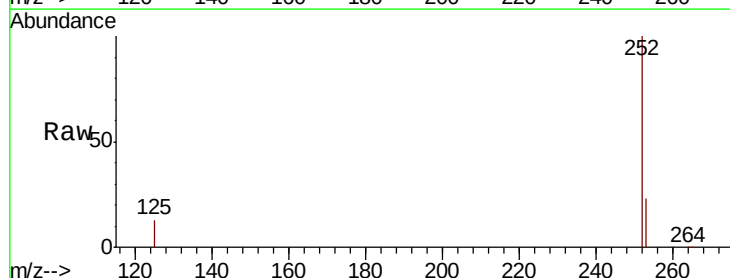
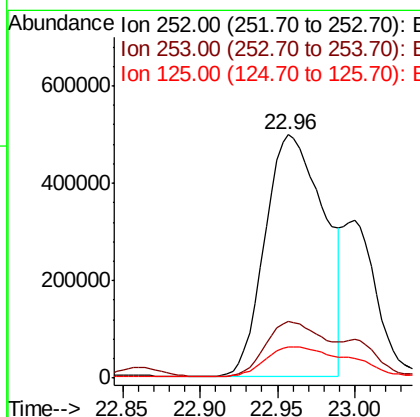
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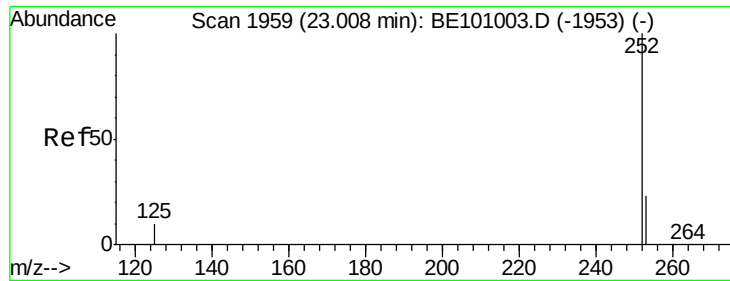
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#35
Benzo(b)fluoranthene
Concen: 12.806 ng
RT: 22.96 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	12.6	9.5	14.3





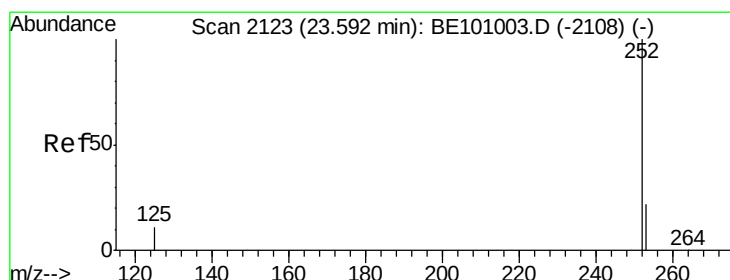
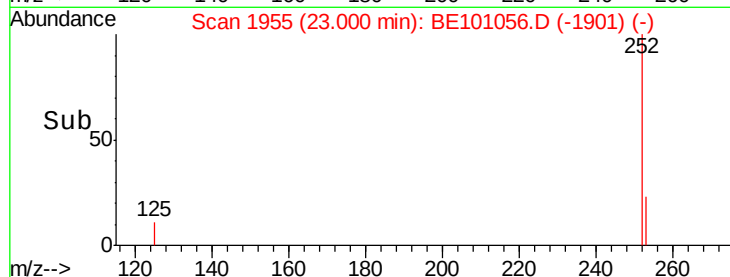
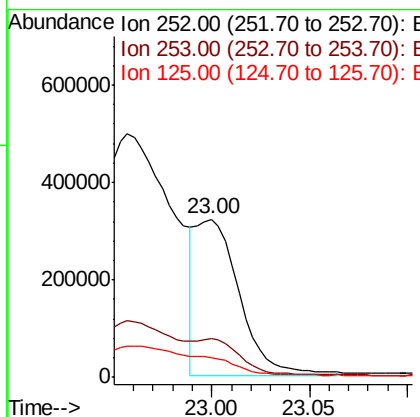
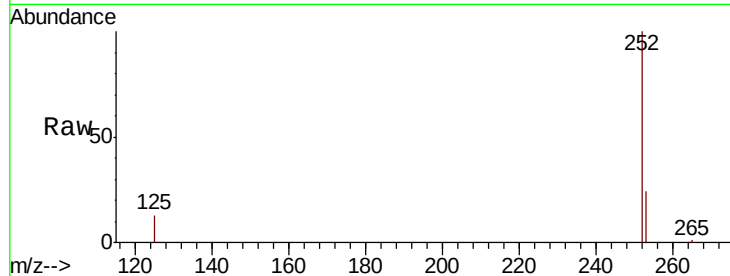
#36
Benzo(k)fluoranthene
Concen: 3.358 ng m
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.9	28.3
125	12.7	10.1	15.1

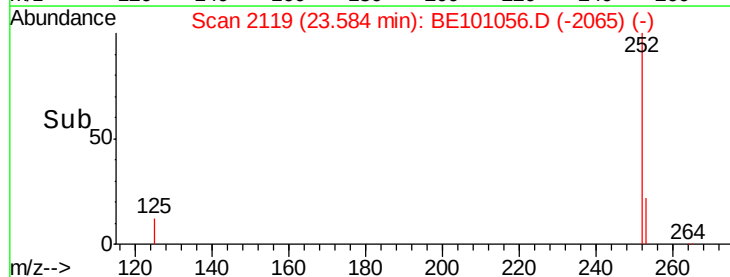
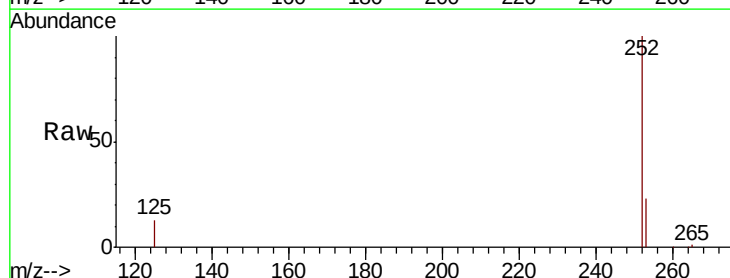
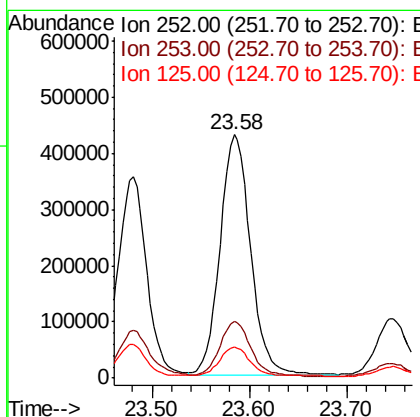
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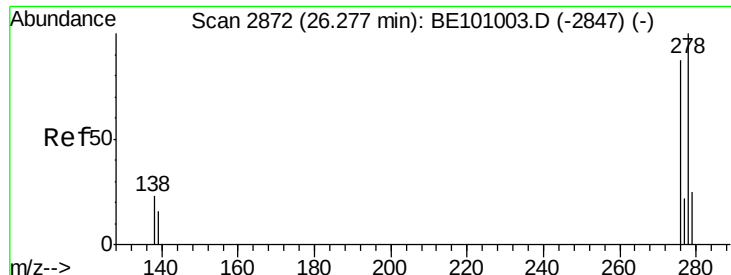
mohammad
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#37
Benzo(a)pyrene
Concen: 9.314 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.4	29.2
125	12.9	11.8	17.6





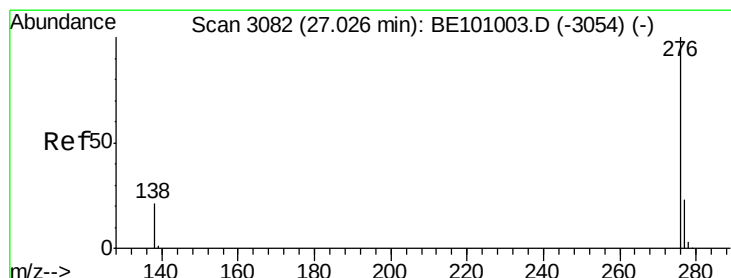
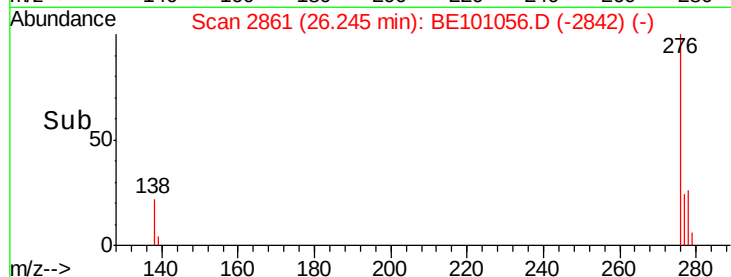
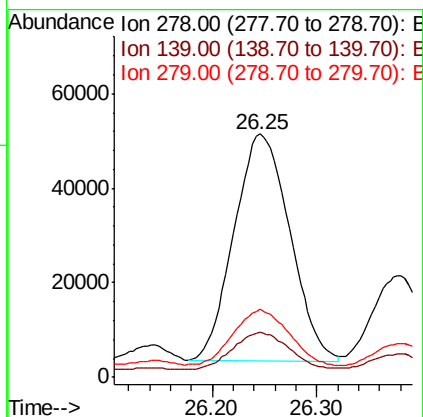
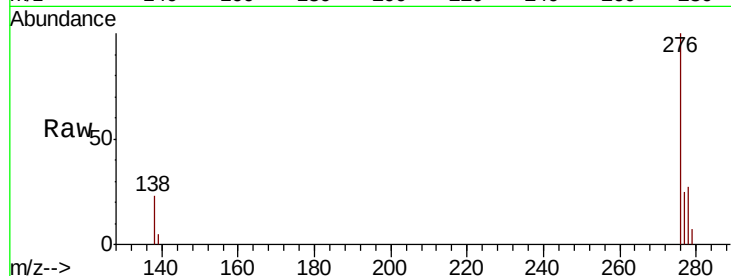
#38
Dibenzo(a,h)anthracene
Concen: 1.944 ng
RT: 26.25 min Scan# 2861
Delta R.T. -0.03 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Instrument :
BNA_E
ClientSampleId :
SB-MW-14(2-2.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.0	22.4
279	27.8	22.6	33.8

Manual Integrations
APPROVED

mohammad
1/21/2020 7:51:35 AM



#39
Benzo(g,h,i)perylene
Concen: 6.037 ng
RT: 27.02 min Scan# 3079
Delta R.T. -0.00 min
Lab File: BE101056.D
Acq: 14 Jan 2020 17:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	23.4	17.9	26.9

