

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
 Data File : BE101123.D
 Acq On : 22 Jan 2020 20:21
 Operator : CG/JU
 Sample : L1148-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-10-(7-9)

Manual Integrations
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Quant Time: Jan 23 05:52:01 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	7.71	152	2372	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	12899	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	8186	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18852	0.40	ng	0.00
27) Chrysene-d12	21.27	240	20881	0.40	ng	-0.01
34) Perylene-d12	23.70	264	23990	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2302	0.43	ng	0.00
5) Phenol-d6	6.91	99	3921	0.58	ng	-0.01
8) Nitrobenzene-d5	8.86	82	5944	0.64	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	6787	0.28	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	1061	0.46	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	9261	0.30	ng	-0.01
25) Fluoranthene-d10	19.13	212	68988	0.26	ng	0.00
29) Terphenyl-d14	19.72	244	16308	0.32	ng	-0.01

Target Compounds					Qvalue	
9) Naphthalene	10.54	128	538795	3.762	ng	100
12) 2-Methylnaphthalene	12.17	142	41986	1.938	ng	97
16) Acenaphthylene	14.07	152	121442	3.642	ng	99
17) Acenaphthene	14.41	154	39798	1.668	ng	96
18) Fluorene	15.39	166	70844	2.349	ng	98
23) Phenanthrene	17.13	178	733999	14.258	ng	99
24) Anthracene	17.23	178	244358	5.030	ng	100
26) Fluoranthene	19.16	202	1343660	20.842	ng	98
28) Pyrene	19.52	202	1337891	17.212	ng	# 95
30) Benzo(a)anthracene	21.26	228	815148	13.681	ng	95
31) Chrysene	21.31	228	775565	8.758	ng	94
32) Bis(2-ethylhexyl)phthalate	21.20	149	21203	0.214	ng	97
33) Indeno(1,2,3-cd)pyrene	26.27	276	601081	8.591	ng	97
35) Benzo(b)fluoranthene	22.96	252	1142981	16.988	ng	100
36) Benzo(k)fluoranthene	23.01	252	400040m	4.103	ng	
37) Benzo(a)pyrene	23.59	252	722199	11.096	ng	97
38) Dibenzo(a,h)anthracene	26.28	278	138916	2.321	ng	99
39) Benzo(a,h,i)perylene	27.05	276	647928	8.802	ng	100

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

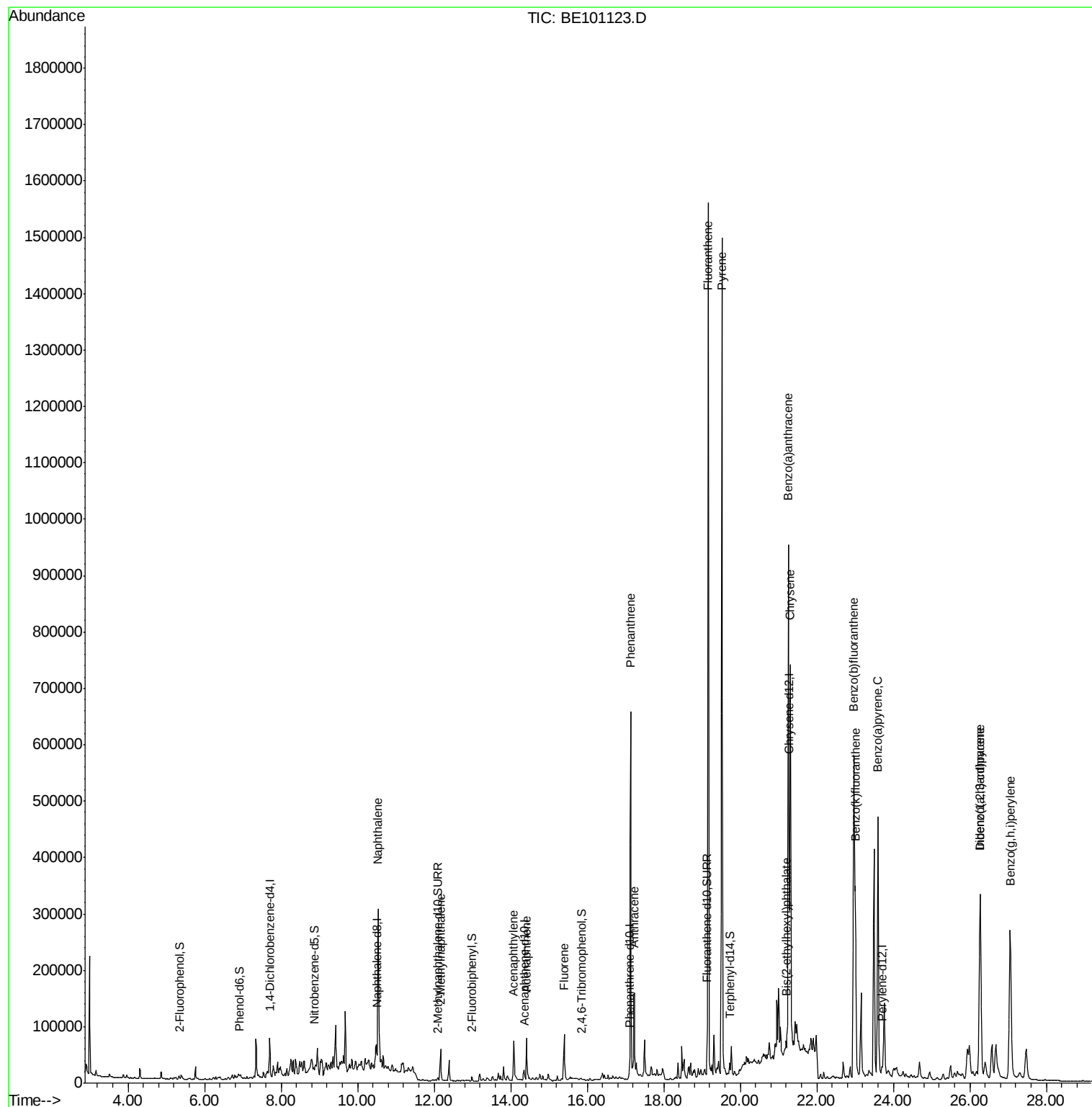
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

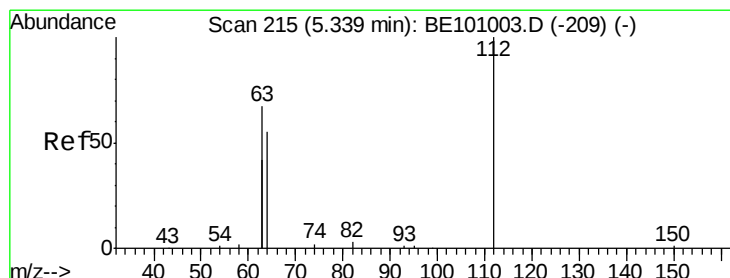
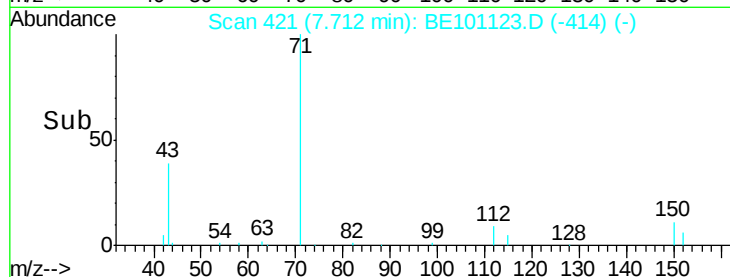
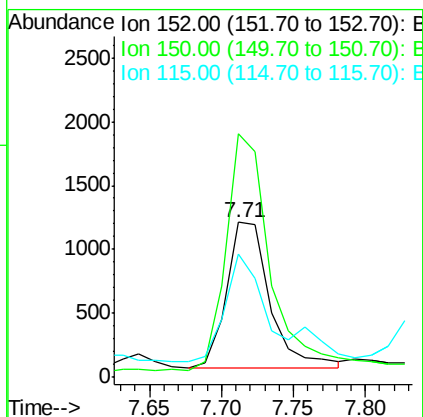
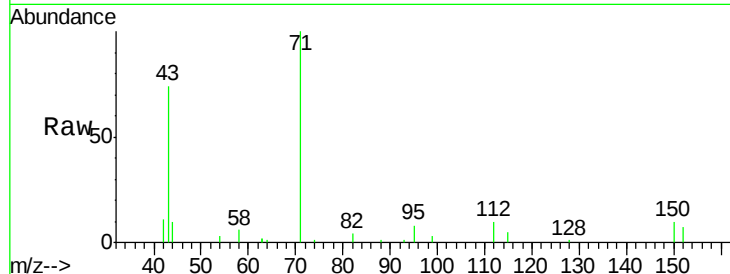
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.71 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	120.3	180.5
115	79.1	51.7	77.5

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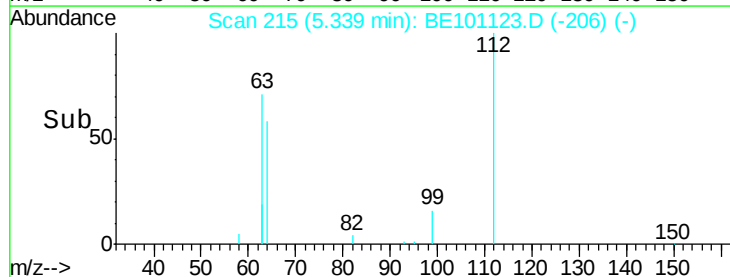
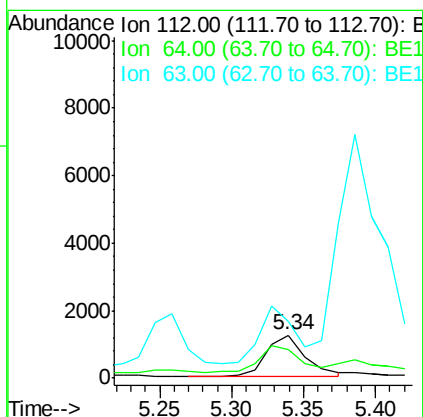
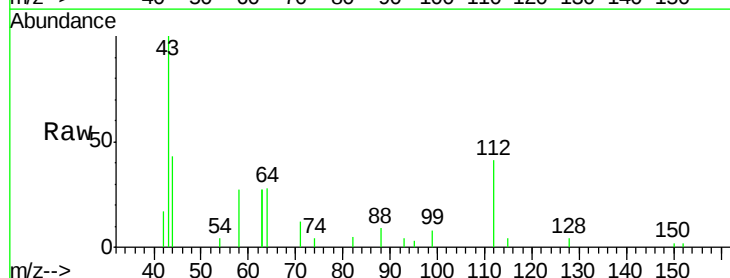
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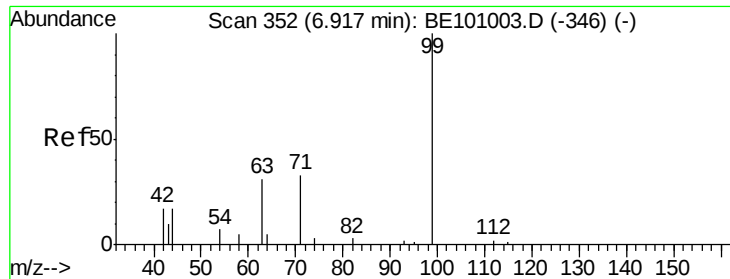


#4

2-Fluorophenol
Concen: 0.431 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.6	80.4
63	123.7	114.6	172.0





#5

Phenol-d6

Concen: 0.580 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Instrument :

BNA_E

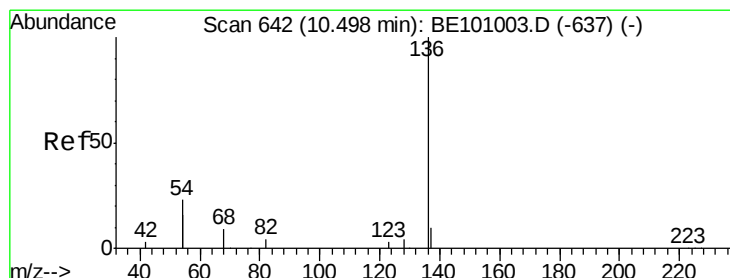
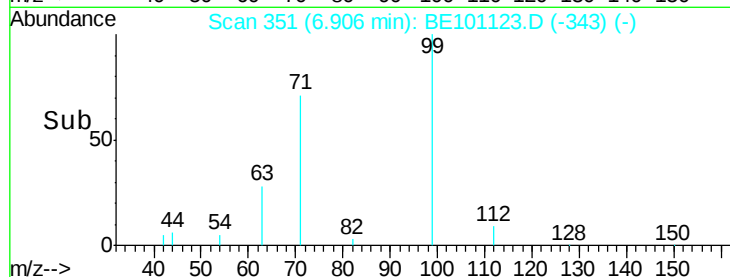
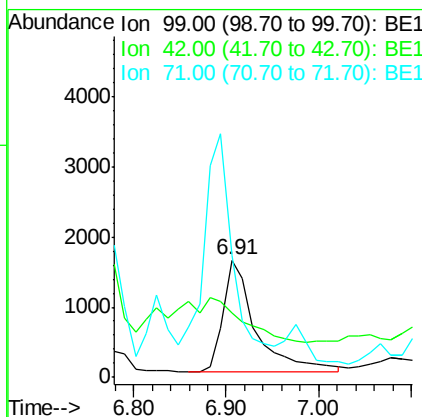
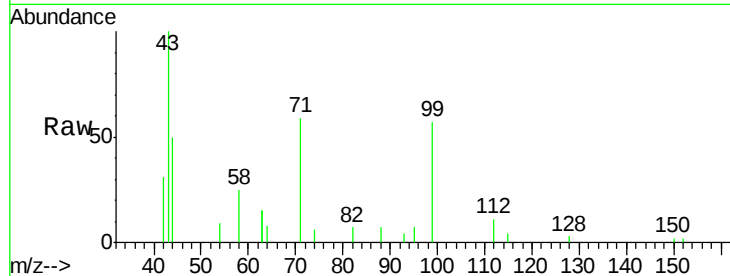
ClientSampleId :

SB-10-(7-9)

Tot Ion:	99	Resp:	3921
Ion Ratio	Lower	Upper	
99	100		
42	0.0	18.3	27.5#
71	157.3	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

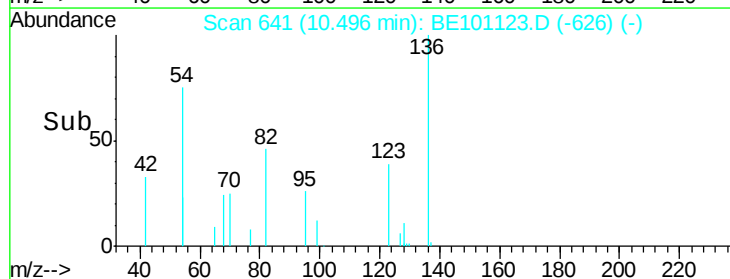
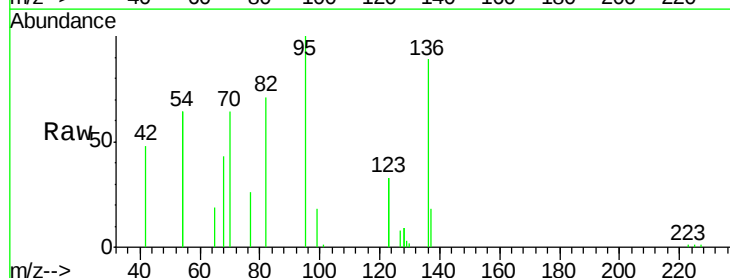
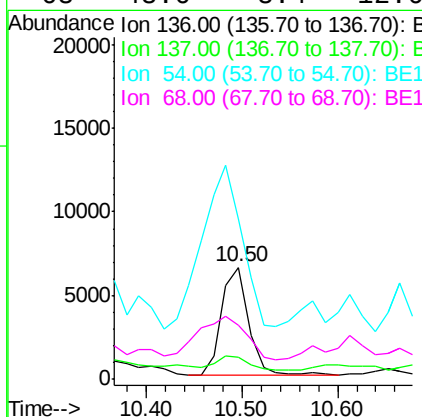
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Tgt Ion:	136	Resp:	12899
Ion Ratio	Lower	Upper	
136	100		
137	20.0	9.3	13.9#
54	143.4	36.8	55.2#
68	48.6	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.644 ng

RT: 8.86 min Scan# 515

Delta R.T. -0.01 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Instrument :

BNA_E

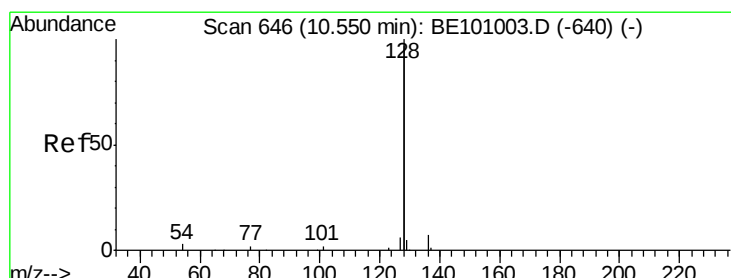
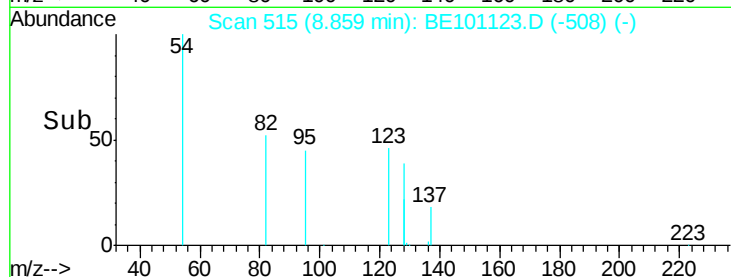
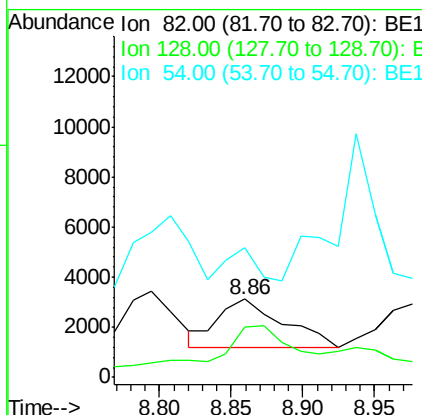
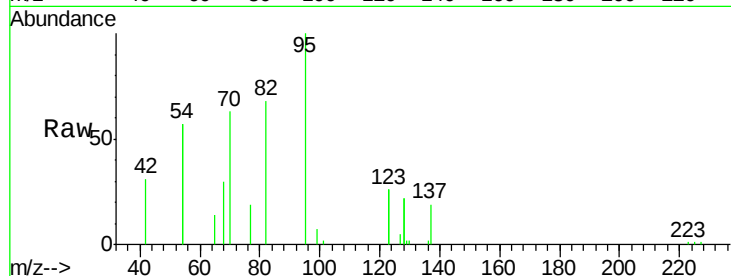
ClientSampleId :

SB-10-(7-9)

Tot Ion:	82	Resp:	5944
Ion	Ratio	Lower	Upper
82	100		
128	64.3	109.8	164.6#
54	165.9	174.5	261.7#

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#9

Naphthalene

Concen: 3.762 ng

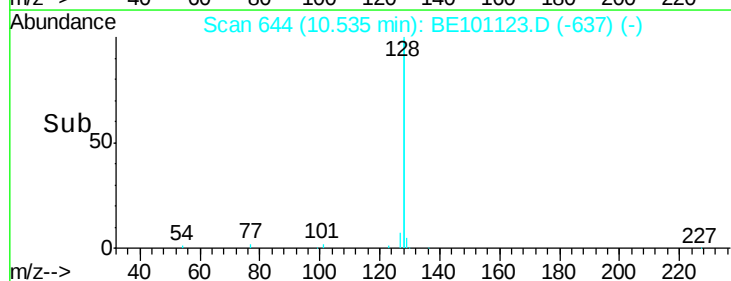
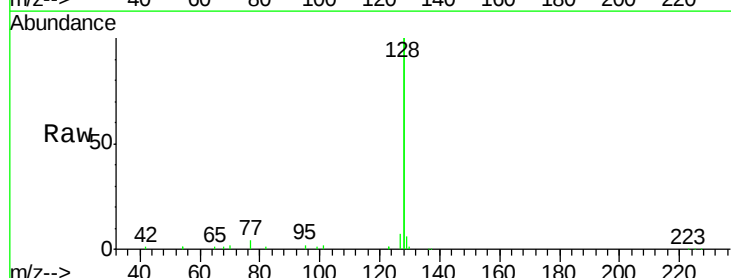
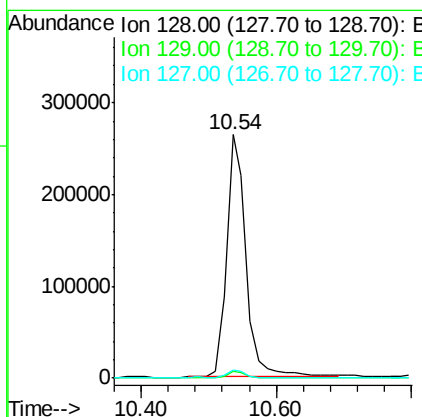
RT: 10.54 min Scan# 644

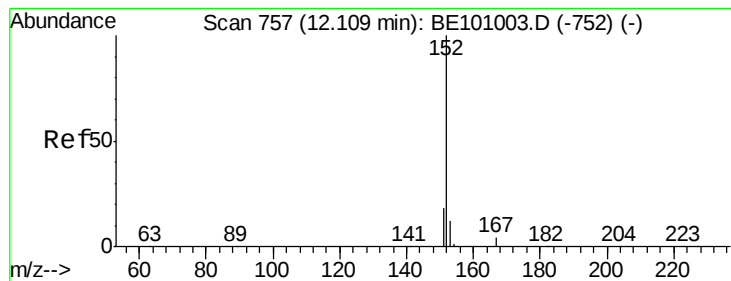
Delta R.T. -0.01 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Tgt Ion:	128	Resp:	538795
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.4	2.7	4.1





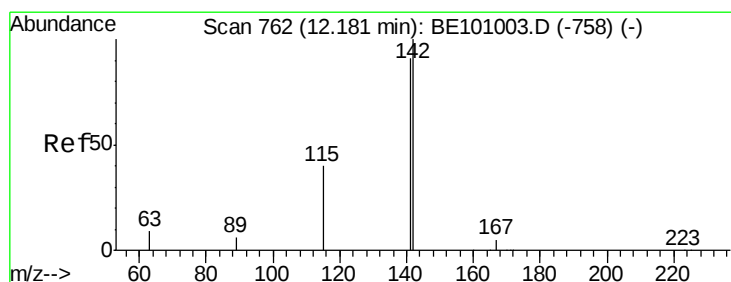
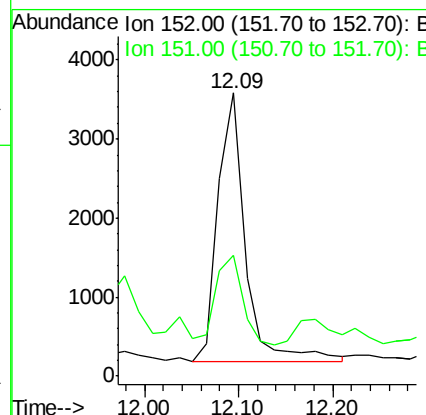
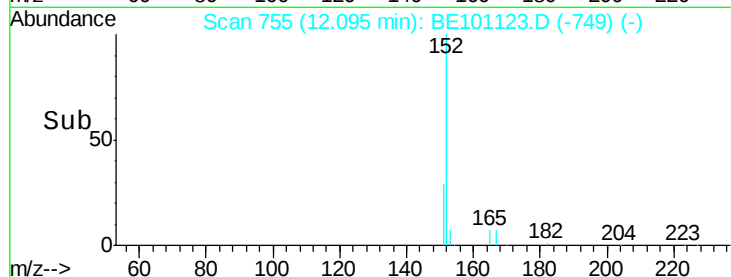
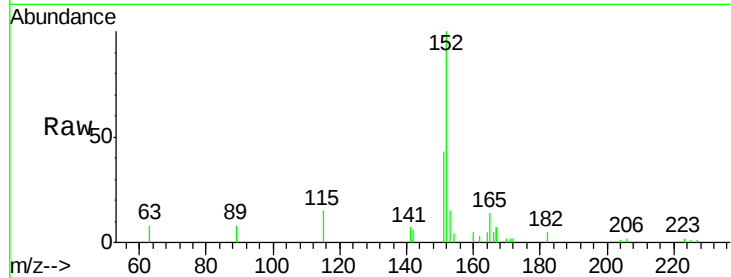
#11
2-Methylnaphthalene-d10
Concen: 0.276 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
151	32.9	15.0	22.6#

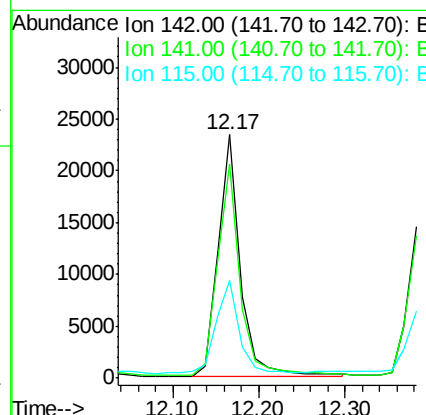
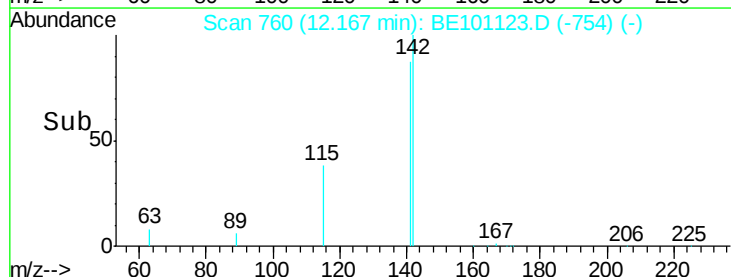
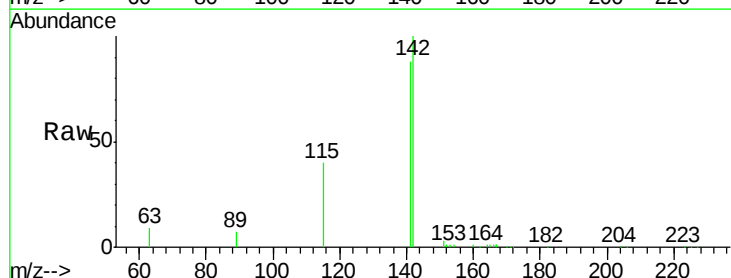
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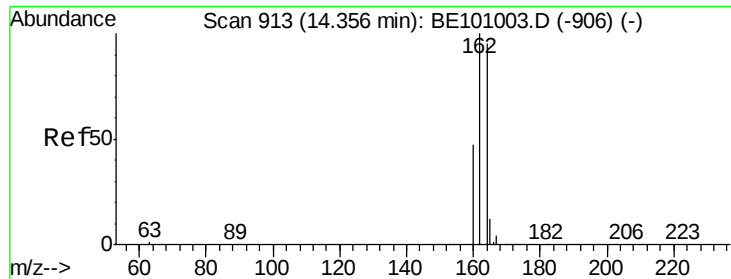
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#12
2-Methylnaphthalene
Concen: 1.938 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.5	108.7
115	40.0	33.0	49.6





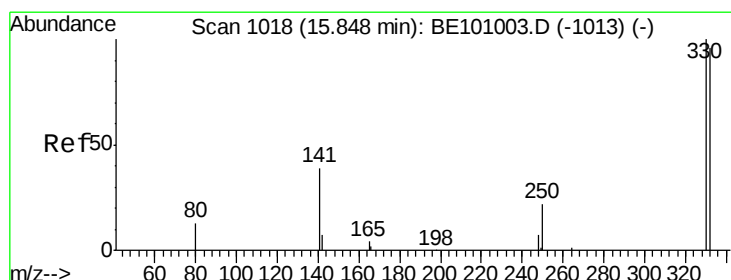
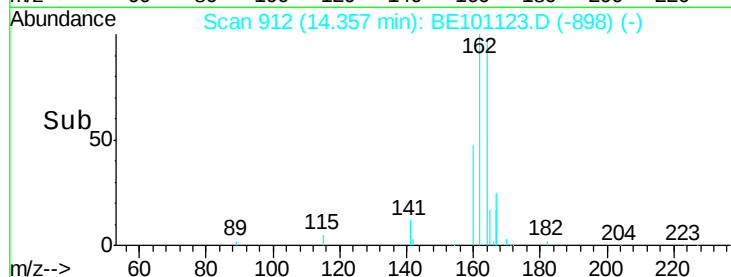
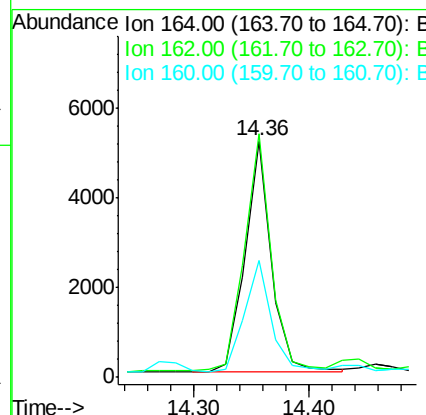
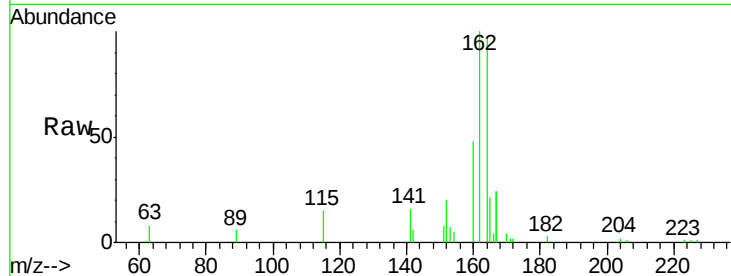
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	84.1	126.1
160	49.5	40.4	60.6

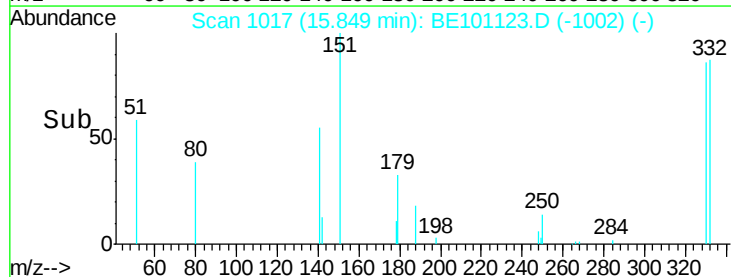
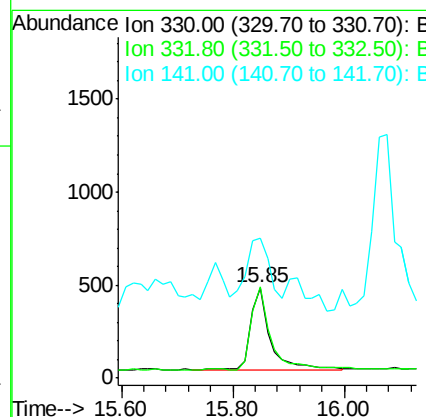
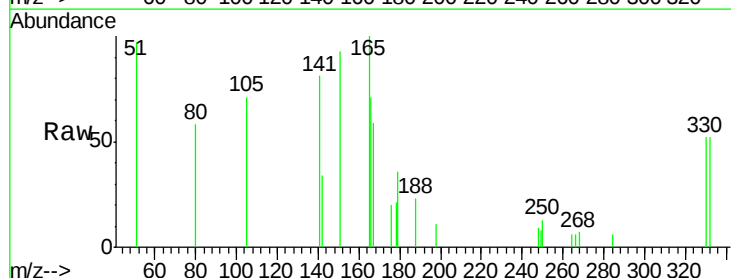
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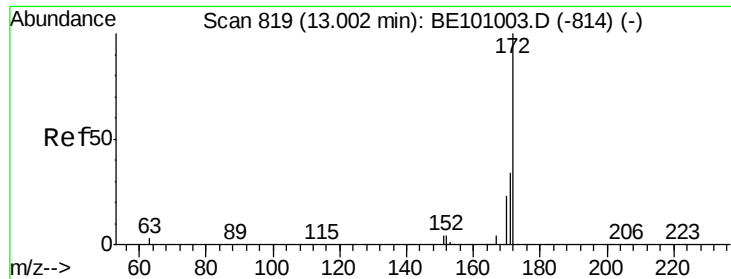
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#14
2,4,6-Tribromophenol
Concen: 0.459 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.3	78.4	117.6
141	95.3	37.0	55.4#





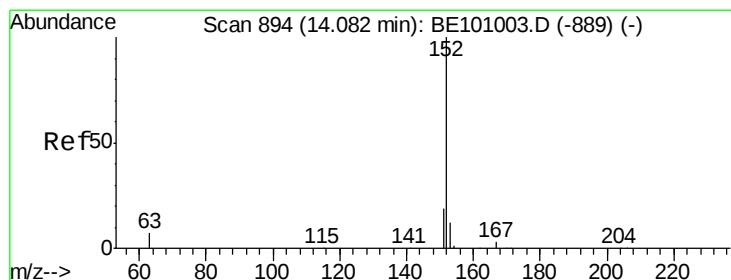
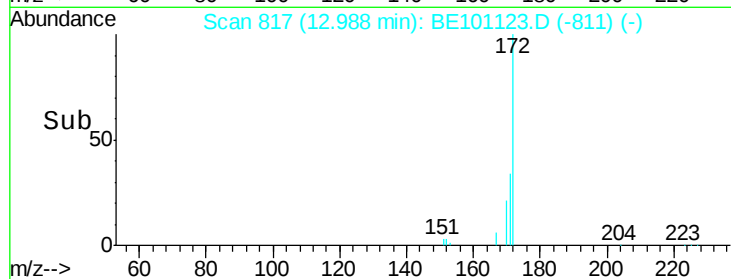
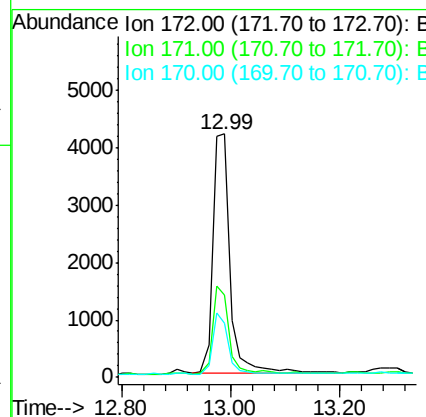
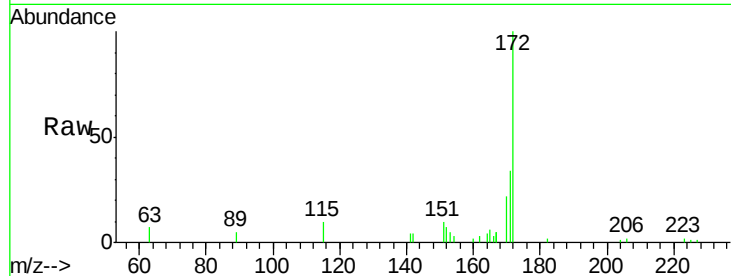
#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.2
170	22.3	18.9	28.3

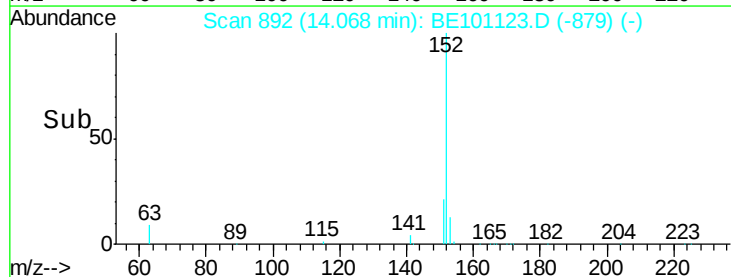
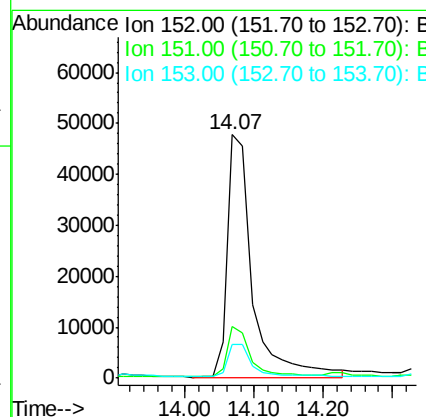
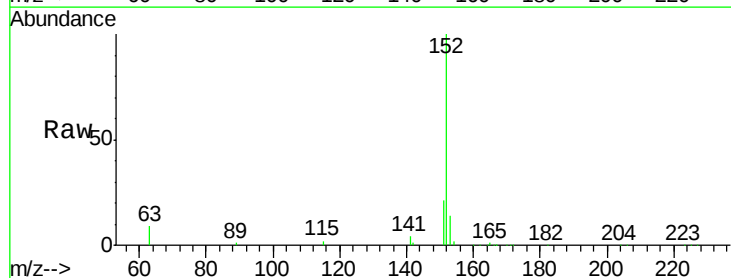
Manual Integrations
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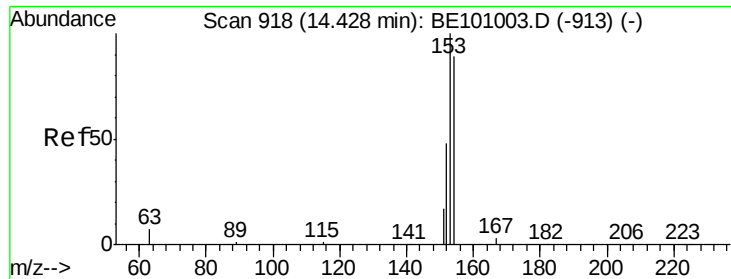
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#16
Acenaphthylene
Concen: 3.642 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.4	10.4	15.6





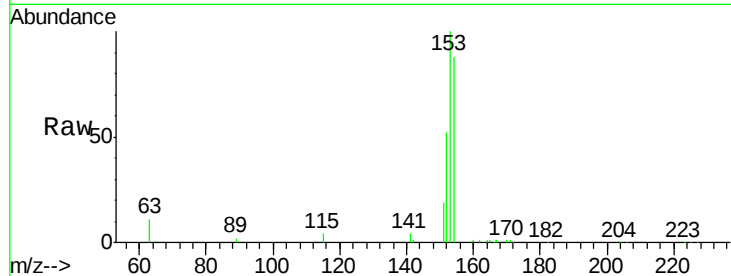
#17
Acenaphthene
Concen: 1.668 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

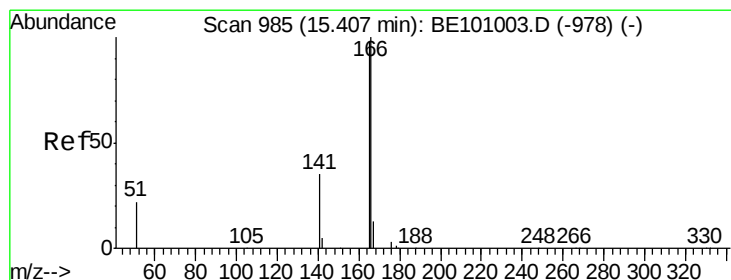
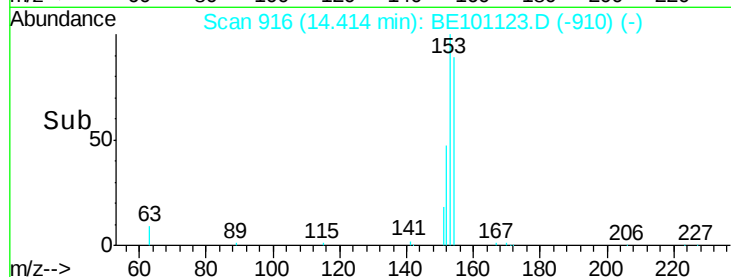
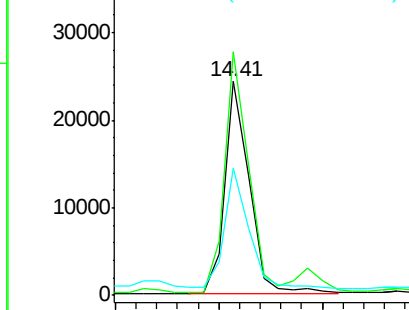
Tot Ion	Ratio	Lower	Upper
154	100		
153	110.1	93.6	140.4
152	57.5	46.3	69.5

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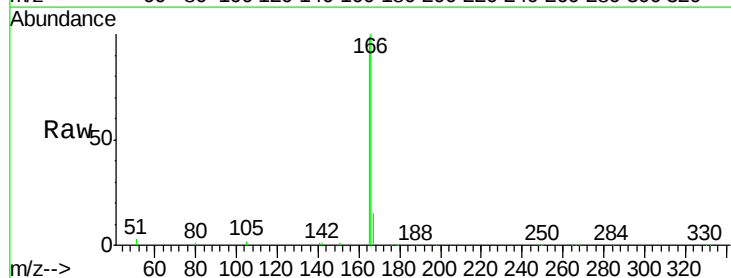


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

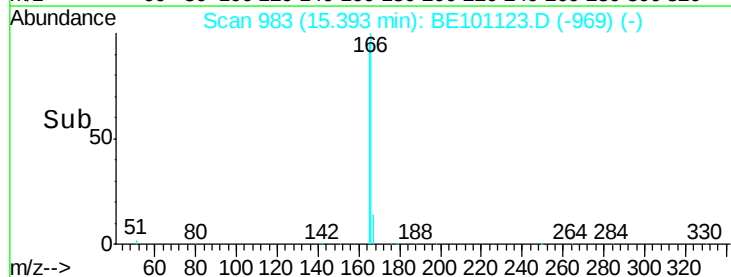
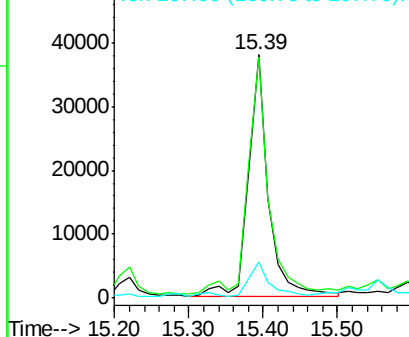


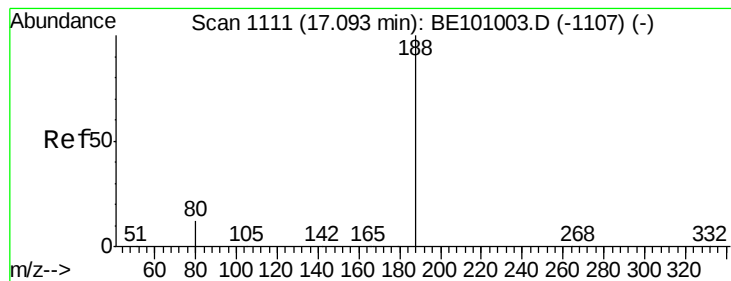
#18
Fluorene
Concen: 2.349 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.8	119.8
167	14.1	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: BE101123.D

Acq: 22 Jan 2020 20:21

Instrument :

BNA_E

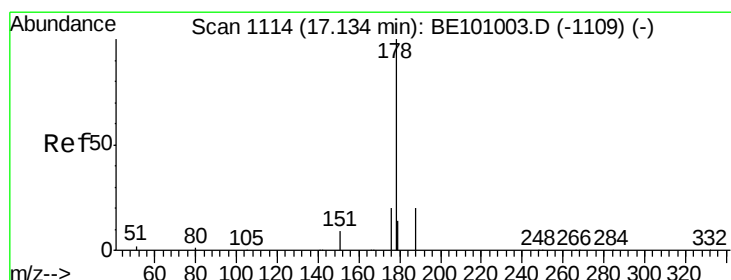
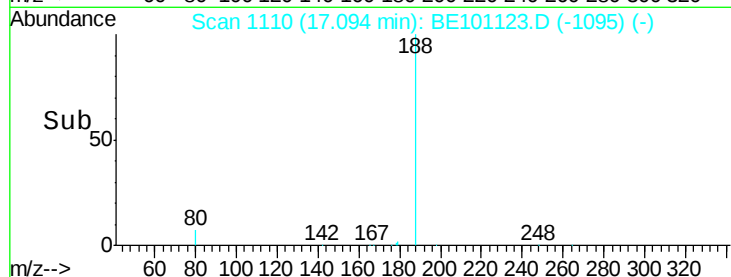
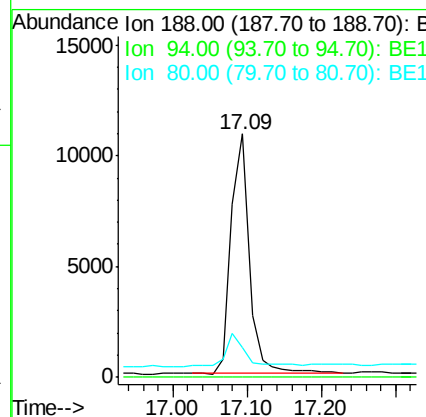
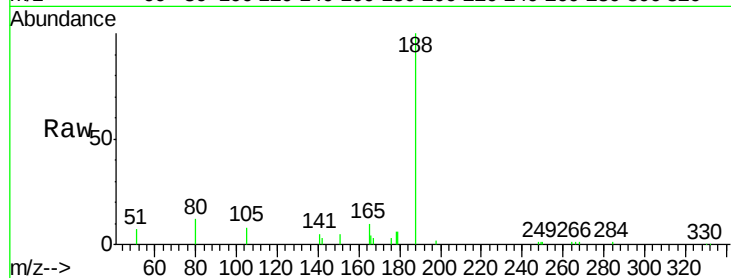
ClientSampleId :

SB-10-(7-9)

Tot Ion:	188	Resp:	18852
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.4	10.8	16.2

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#23

Phenanthrene

Concen: 14.258 ng

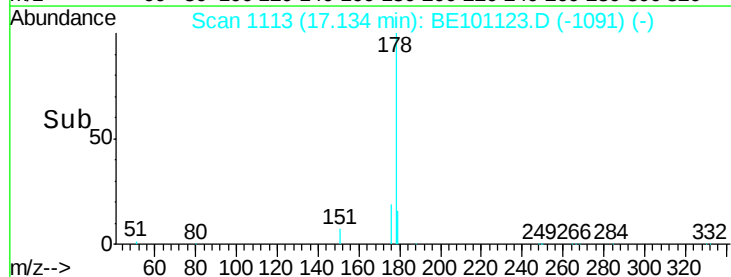
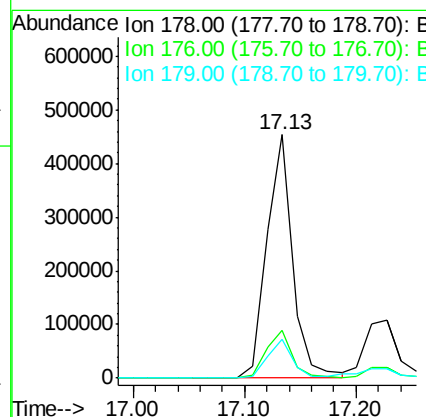
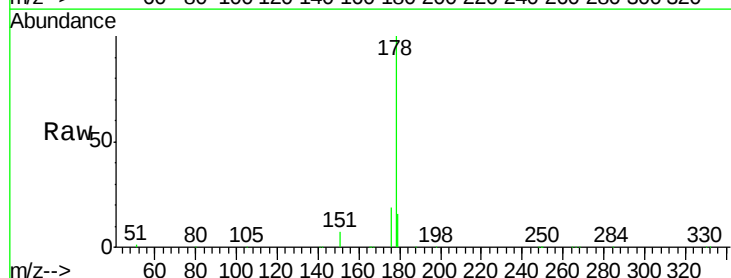
RT: 17.13 min Scan# 1113

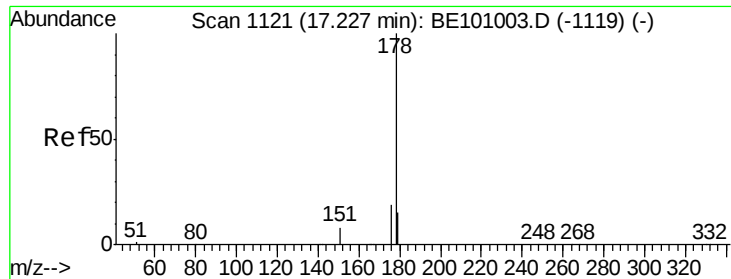
Delta R.T. 0.00 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Tgt Ion:	178	Resp:	733999
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.7	23.5
179	15.5	12.0	18.0





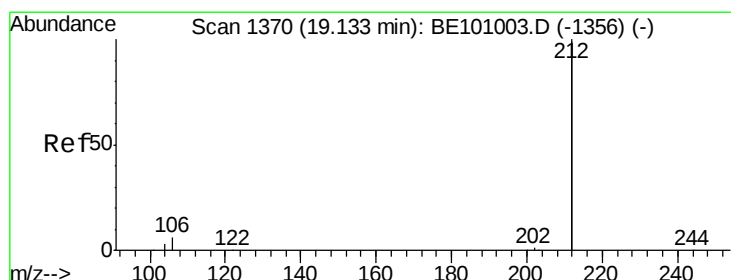
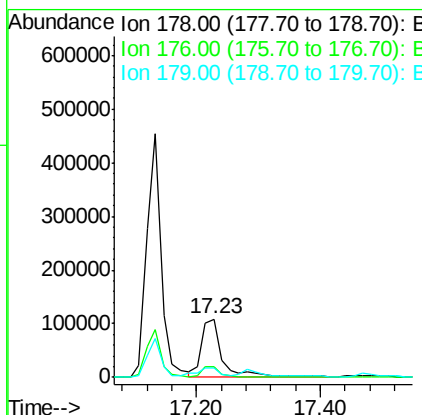
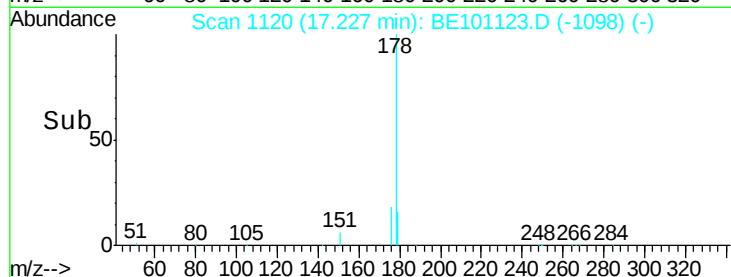
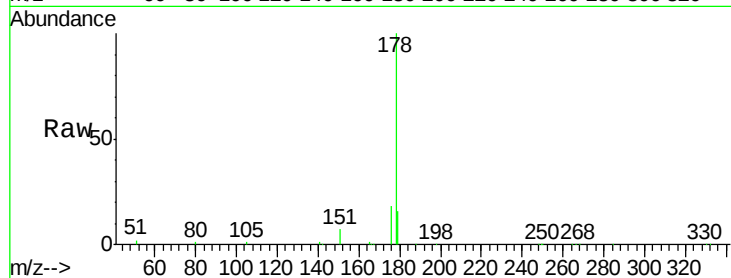
#24
 Anthracene
 Concen: 5.030 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Instrument :
 BNA_E
 ClientSampleId :
 SB-10-(7-9)

Tot Ion:	178	Resp:	244358
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.8	22.2
179	15.6	12.4	18.6

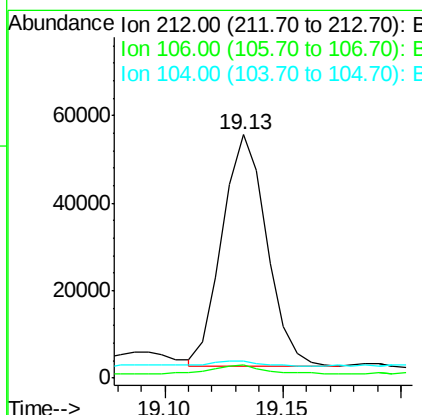
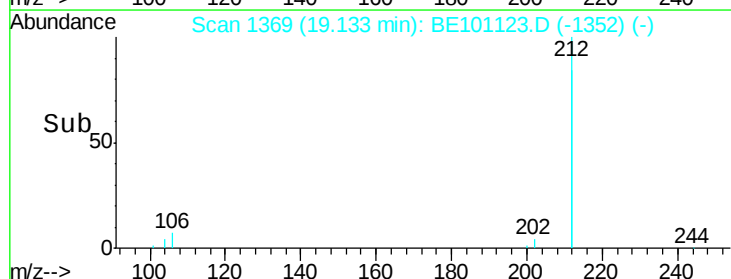
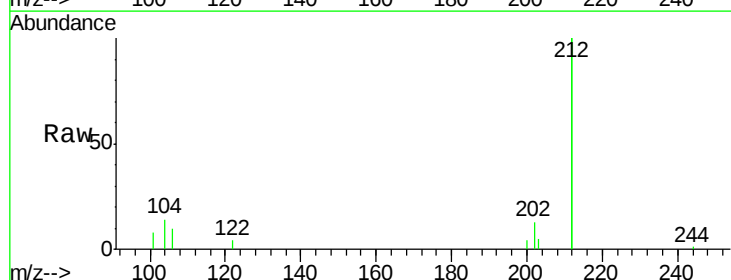
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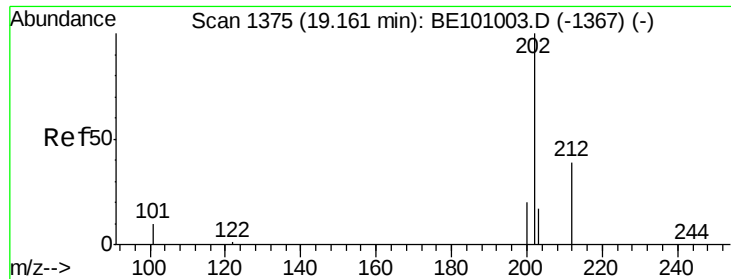
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.264 ng
 RT: 19.13 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Tgt Ion:	212	Resp:	68988
Ion Ratio	Lower	Upper	
212	100		
106	3.8	2.6	3.8
104	2.1	1.4	2.0





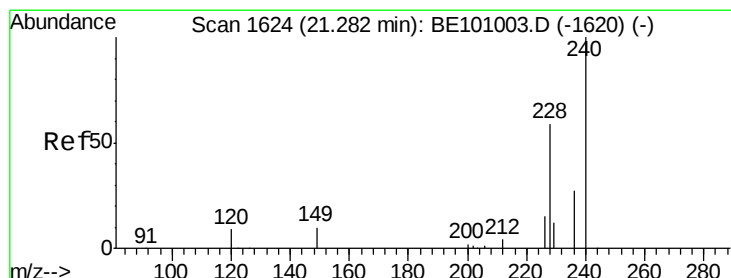
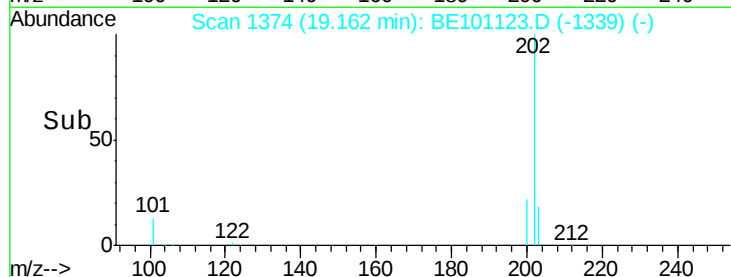
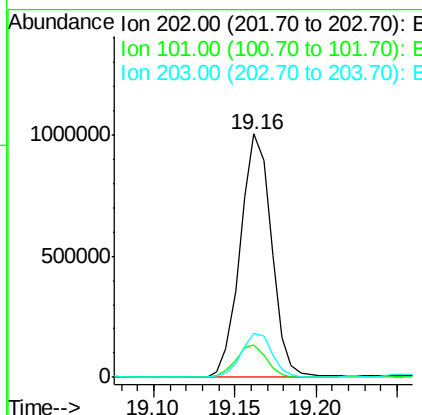
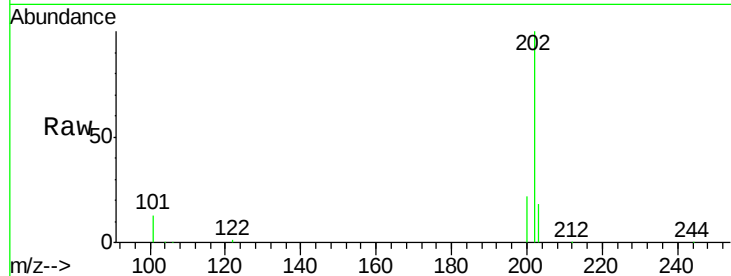
#26
Fluoranthene
Concen: 20.842 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampled :
SB-10-(7-9)

Tot Ion:202 Resp: 1343660
Ion Ratio Lower Upper
202 100
101 13.0 9.6 14.4
203 18.0 13.8 20.6

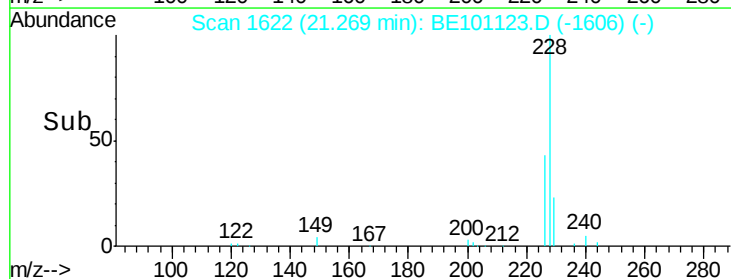
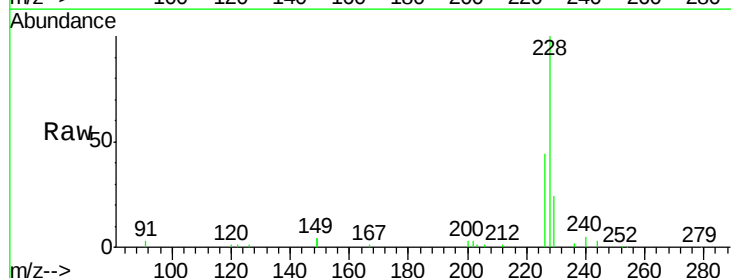
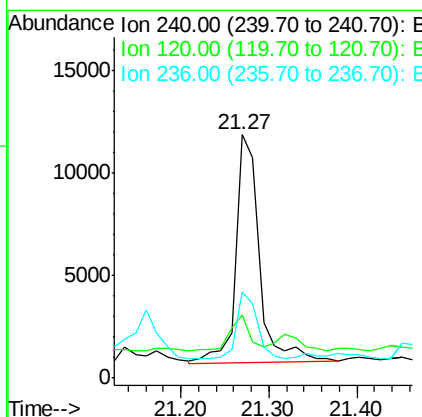
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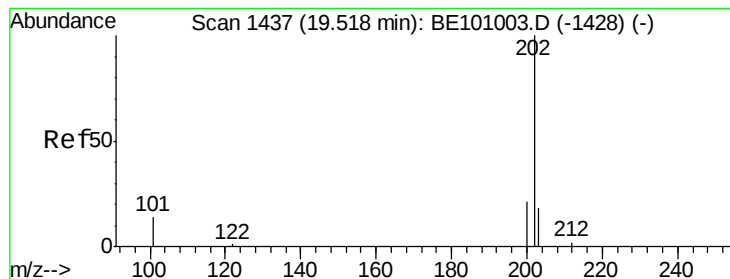
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion:240 Resp: 20881
Ion Ratio Lower Upper
240 100
120 25.7 8.6 13.0#
236 35.5 22.2 33.4#





#28

Pvrene

Concen: 17.212 ng

RT: 19.52 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Instrument :

BNA_E

ClientSampleId :

SB-10-(7-9)

Tot Ion:202 Resp: 1337891

Ion Ratio Lower Upper

202 100

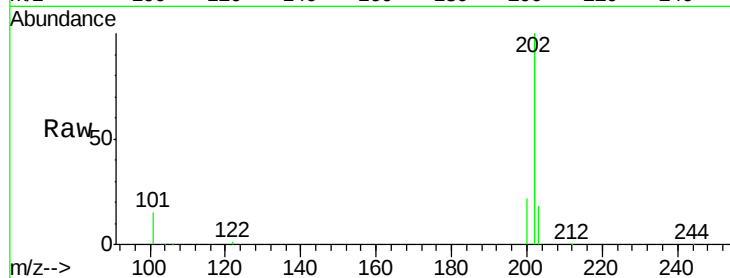
200 22.0 17.0 25.4

203 21.0 13.8 20.6#

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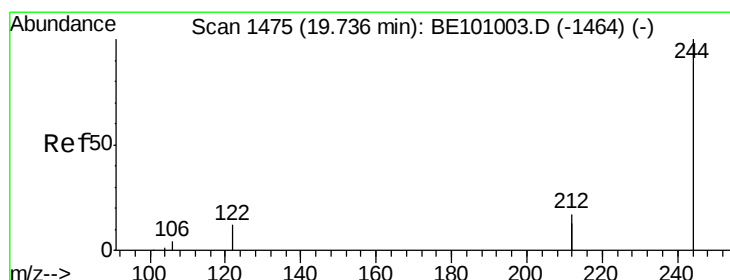
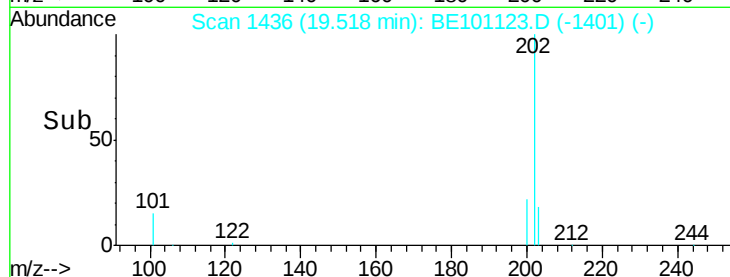
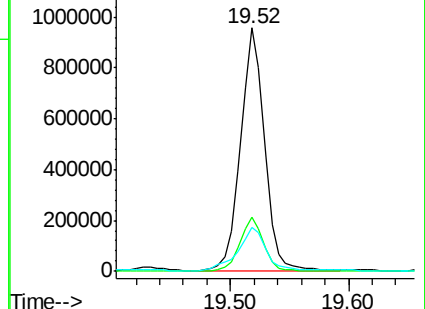
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.318 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

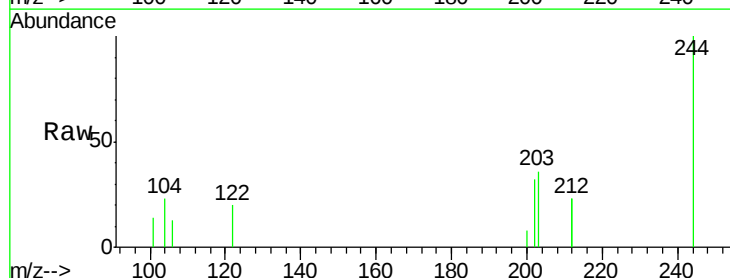
Tgt Ion:244 Resp: 16308

Ion Ratio Lower Upper

244 100

212 45.4 27.2 40.8#

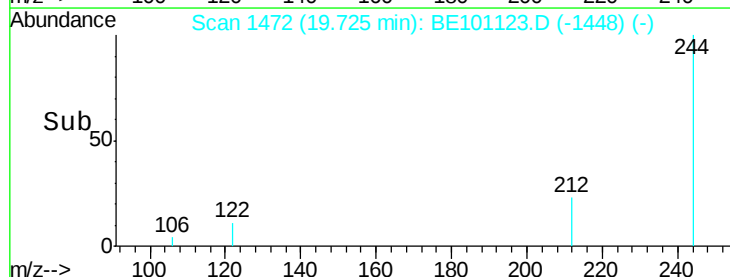
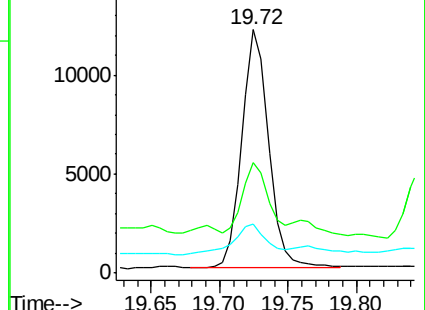
122 20.4 9.8 14.8#

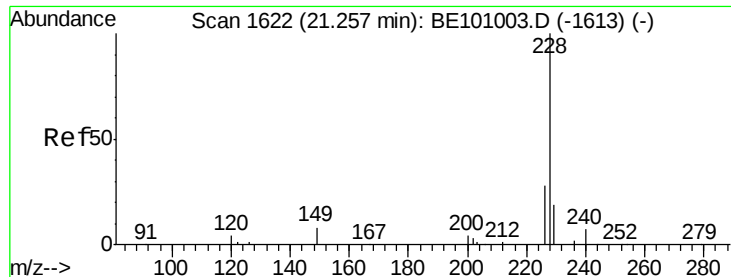


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





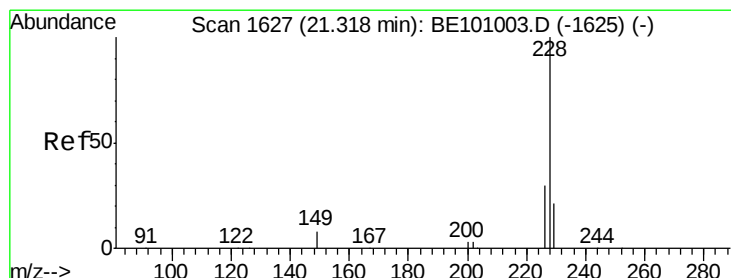
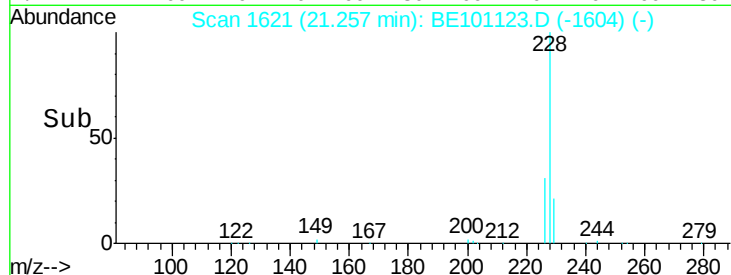
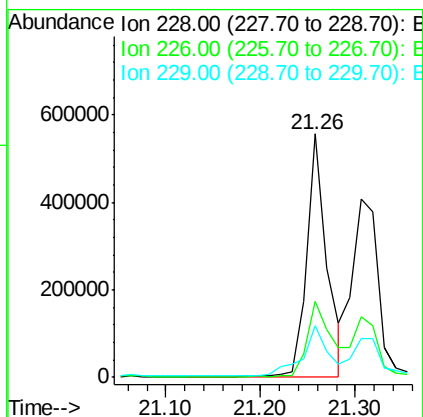
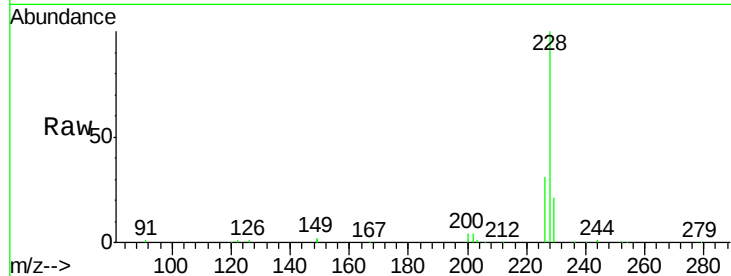
#30
Benzo(a)anthracene
Concen: 13.681 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.7	34.1
229	21.3	15.5	23.3

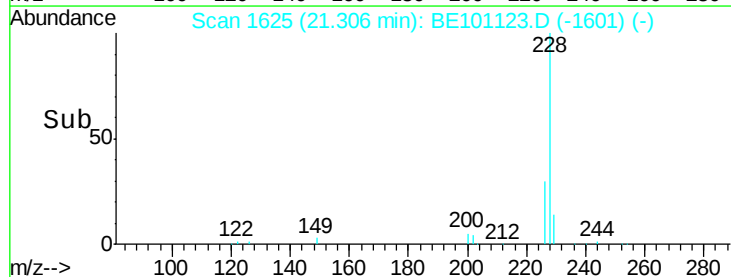
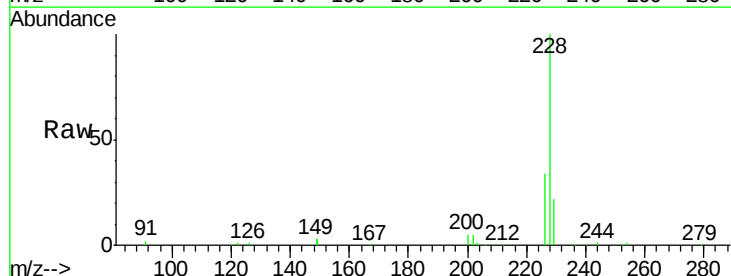
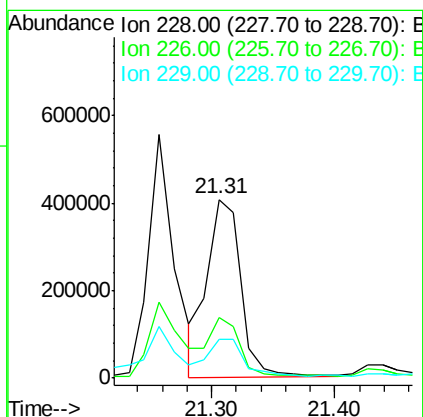
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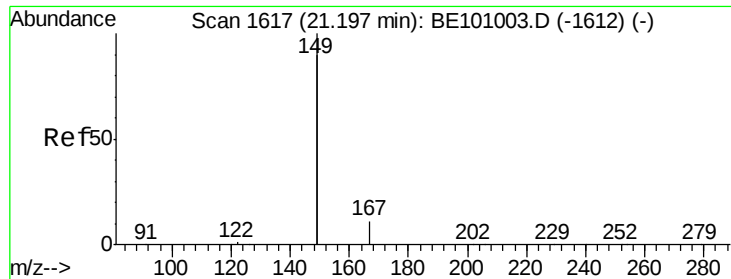
mohammad
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#31
Chrysene
Concen: 8.758 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.5	35.3
229	22.1	16.7	25.1





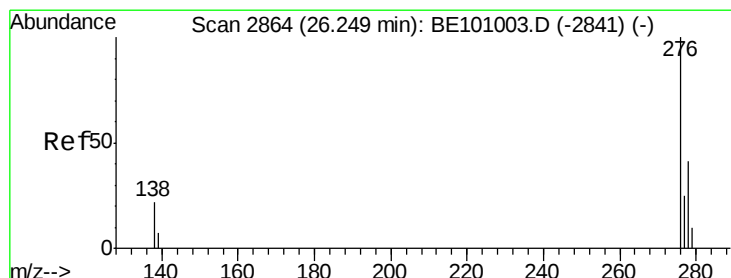
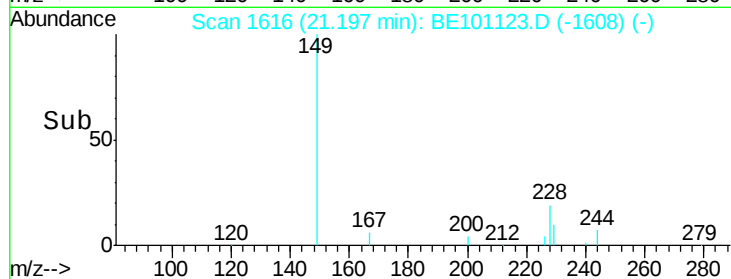
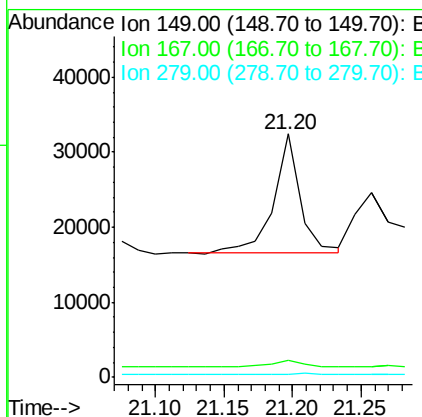
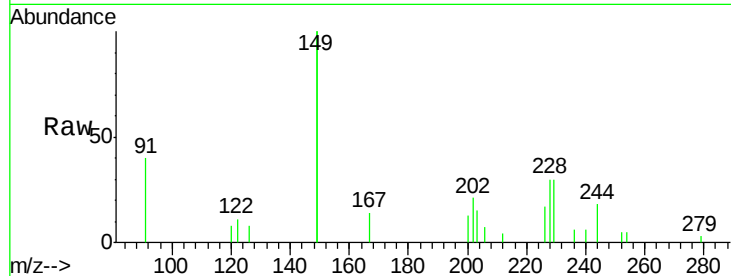
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.214 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Instrument :
 BNA_E
 ClientSampleId :
 SB-10-(7-9)

Tot Ion:	149	Resp:	21203
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.2	7.8
279	1.0	0.8	1.2

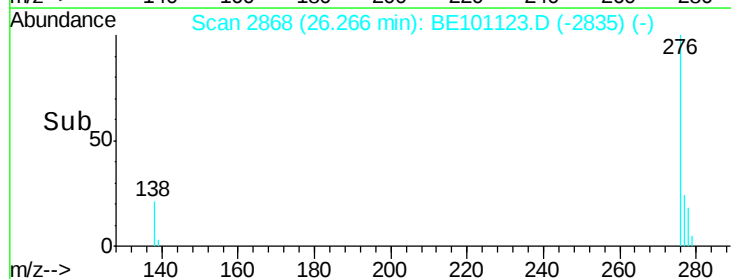
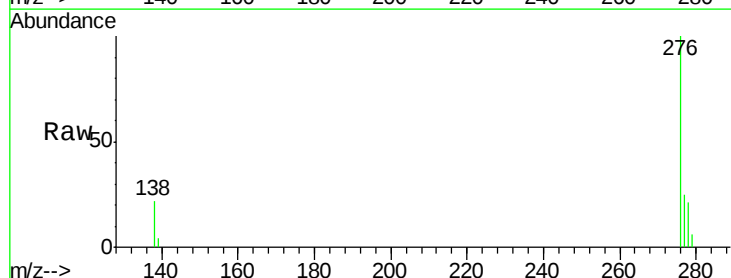
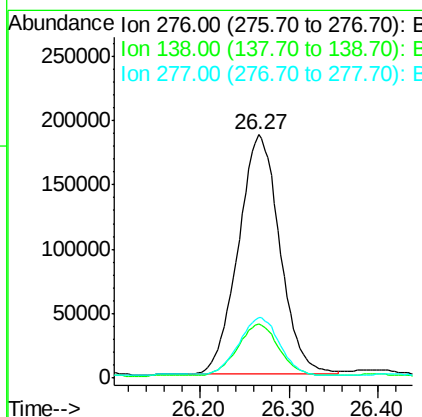
Manual Integrations
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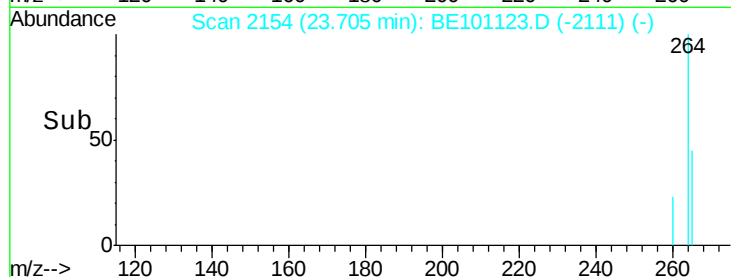
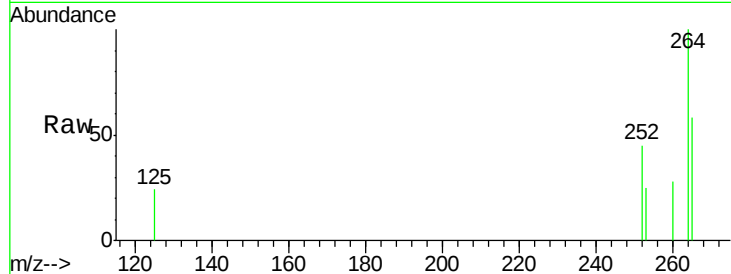
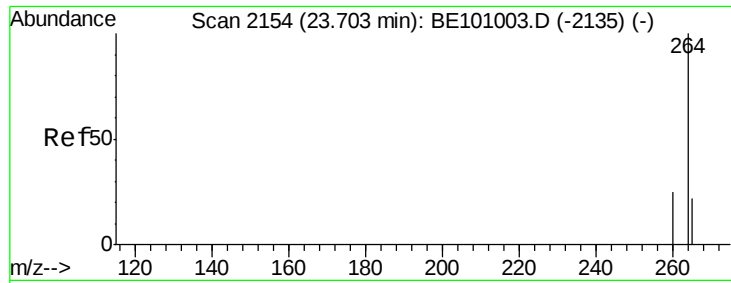
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 8.591 ng
 RT: 26.27 min Scan# 2868
 Delta R.T. 0.02 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Tgt Ion:	276	Resp:	601081
Ion Ratio	Lower	Upper	
276	100		
138	21.3	16.1	24.1
277	24.1	18.1	27.1





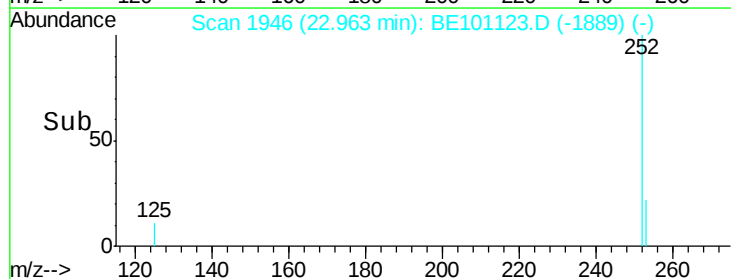
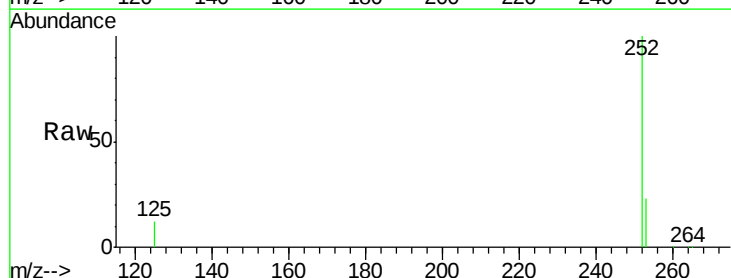
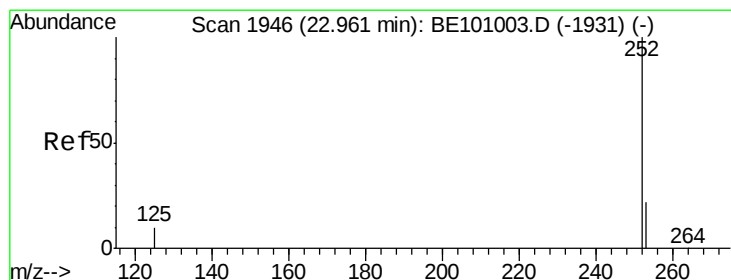
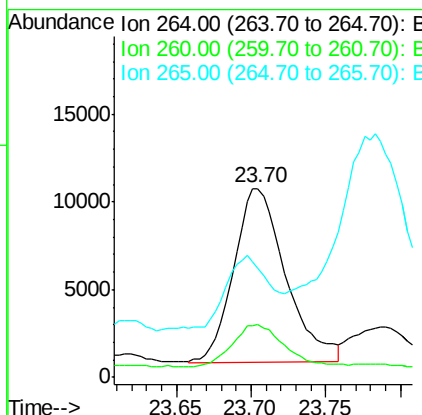
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.70 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.3	20.3	30.5
265	57.9	27.0	40.4

Instrument :
 BNA_E
 ClientSampleId :
 SB-10-(7-9)

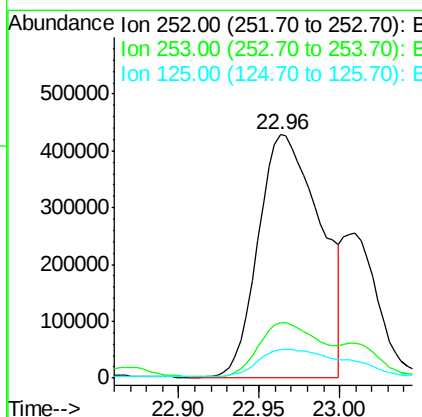
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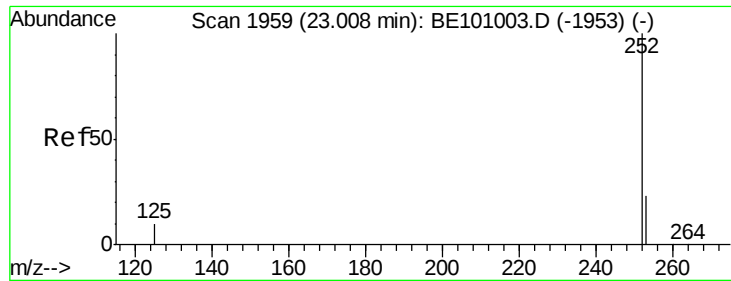
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#35
 Benzo(b)fluoranthene
 Concen: 16.988 ng
 RT: 22.96 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BE101123.D
 Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	11.9	9.5	14.3





#36

Benzo(k)fluoranthene

Concen: 4.103 ng

RT: 23.01 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Instrument :

BNA_E

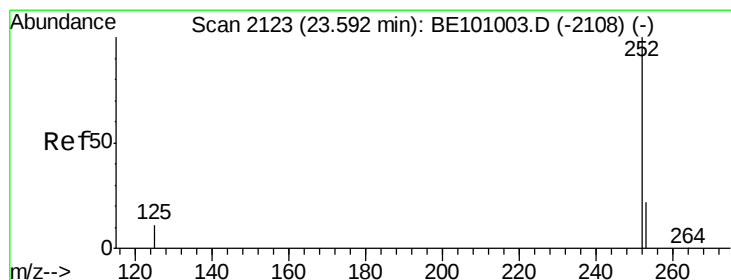
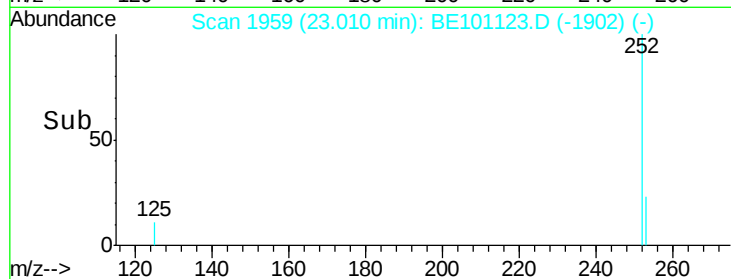
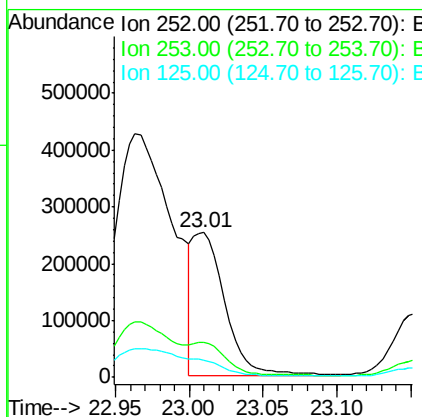
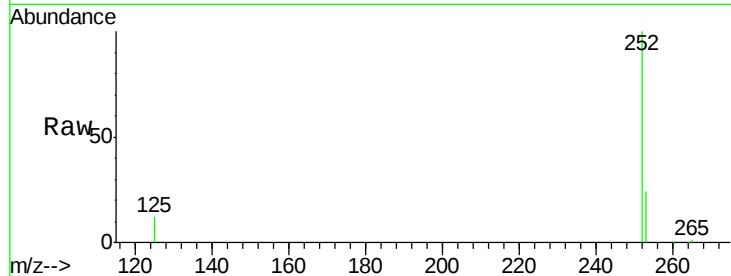
ClientSampleId :

SB-10-(7-9)

Tot Ion:	252	Resp:	400040
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.9	28.3
125	12.0	10.1	15.1

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 11.096 ng

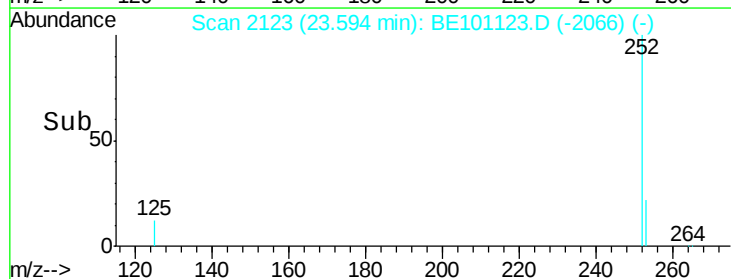
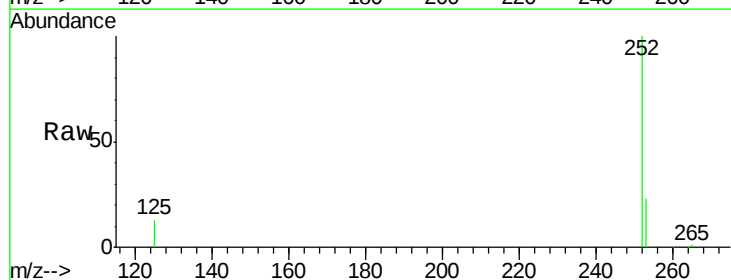
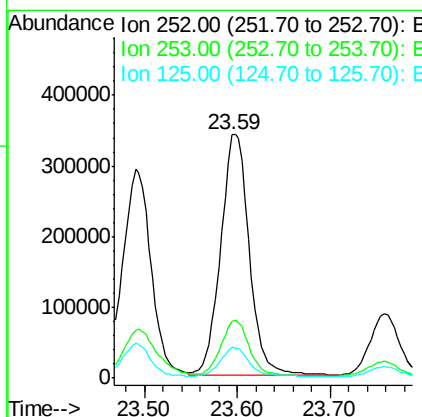
RT: 23.59 min Scan# 2123

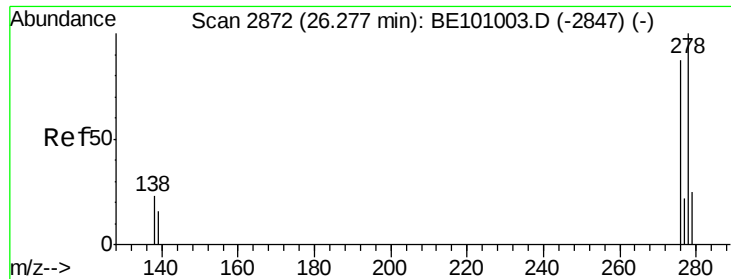
Delta R.T. 0.00 min

Lab File: BE101123.D

Acq: 22 Jan 2020 20:21

Tgt Ion:	252	Resp:	722199
Ion Ratio	Lower	Upper	
252	100		
253	23.3	19.4	29.2
125	12.5	11.8	17.6





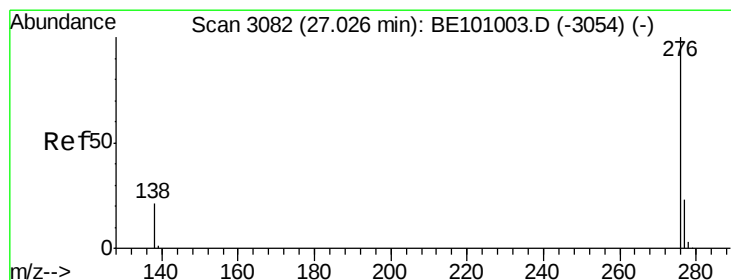
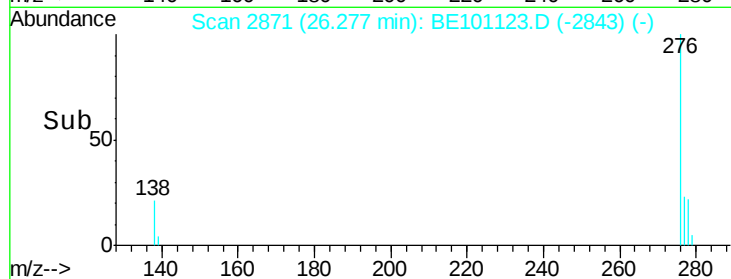
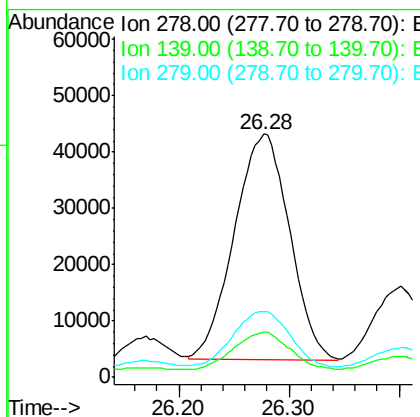
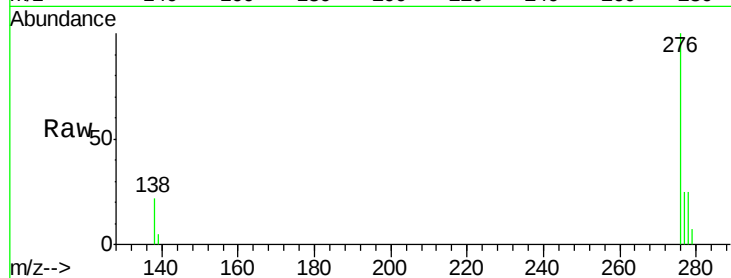
#38
Dibenzo(a,h)anthracene
Concen: 2.321 ng
RT: 26.28 min Scan# 2871
Delta R.T. -0.00 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Instrument :
BNA_E
ClientSampleId :
SB-10-(7-9)

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.0	22.4
279	27.2	22.6	33.8

Manual Integrations
APPROVED

mohammad
1/23/2020 1:53:54 PM



#39
Benzo(g,h,i)perylene
Concen: 8.802 ng
RT: 27.05 min Scan# 3089
Delta R.T. 0.03 min
Lab File: BE101123.D
Acq: 22 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	22.4	17.9	26.9

