

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101054.D
 Acq On : 14 Jan 2020 16:34
 Operator : JU
 Sample : L1103-11 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-20(3-5)

Manual Integrations
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 1/21/2020 7:51:33 AM

Quant Time: Jan 15 10:14:30 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	4167	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	21007	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	14901	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	34926	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	32779	0.40	ng	-0.01
34) Perylene-d12	23.69	264	36282	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	545	0.06	ng	0.00
5) Phenol-d6	6.91	99	591	0.05	ng	-0.01
8) Nitrobenzene-d5	8.87	82	490	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	1423	0.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	182	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	2314	0.04	ng	-0.01
25) Fluoranthene-d10	19.12	212	16730	0.03	ng	-0.01
29) Terphenyl-d14	19.72	244	3772	0.05	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.55	128	133699	0.573	ng	100
12) 2-Methylnaphthalene	12.17	142	13033	0.369	ng	# 95
16) Acenaphthylene	14.08	152	54564	0.899	ng	99
17) Acenaphthene	14.41	154	8013	0.184	ng	93
18) Fluorene	15.39	166	18199	0.331	ng	96
23) Phenanthrene	17.13	178	284844	2.987	ng	99
24) Anthracene	17.22	178	83011	0.922	ng	96
26) Fluoranthene	19.15	202	568014	4.756	ng	99
28) Pyrene	19.51	202	627436	5.142	ng	96
30) Benzo(a)anthracene	21.26	228	386622m	4.134	ng	
31) Chrysene	21.31	228	333933	2.402	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	24546	0.157	ng	# 93
33) Indeno(1,2,3-cd)pyrene	26.23	276	248192	2.260	ng	98
35) Benzo(b)fluoranthene	22.95	252	484966	4.766	ng	99
36) Benzo(k)fluoranthene	23.00	252	187167m	1.269	ng	
37) Benzo(a)pyrene	23.58	252	313463	3.185	ng	97
38) Dibenzo(a,h)anthracene	26.24	278	61056	0.674	ng	98
39) Benzo(a,h,i)perylene	27.01	276	260189	2.337	ng	99

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

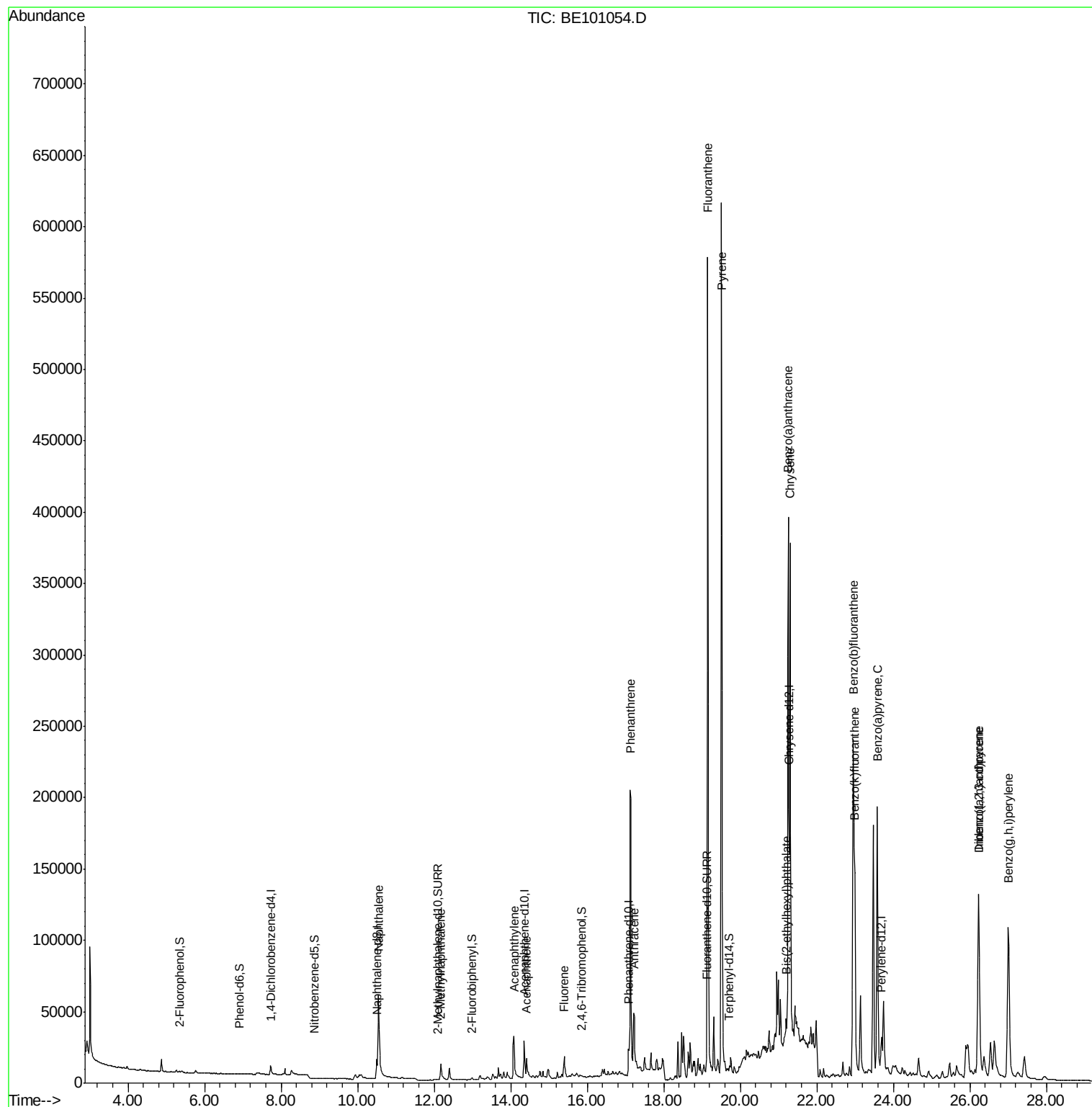
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101054.D
Acq On : 14 Jan 2020 16:34
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Sample : L1103-11 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

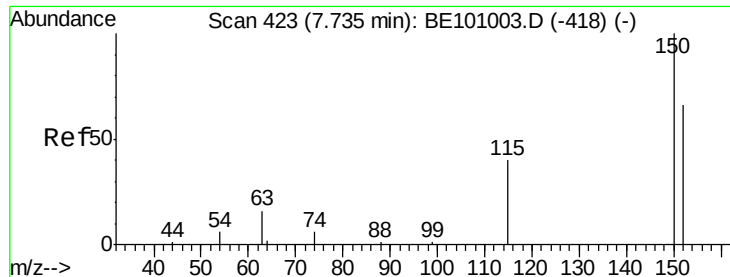
Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Quant Time: Jan 15 10:14:30 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

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#1

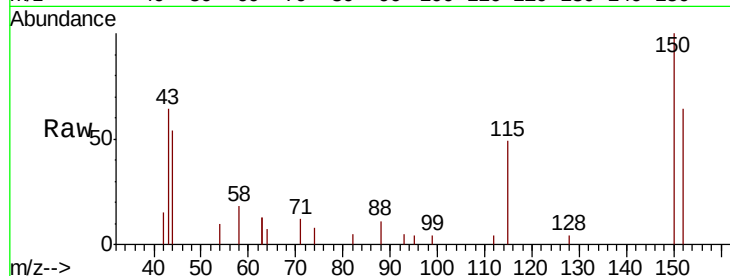
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	120.3	180.5
115	77.5	51.7	77.5

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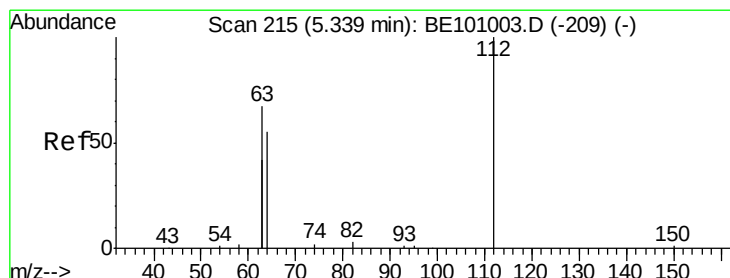
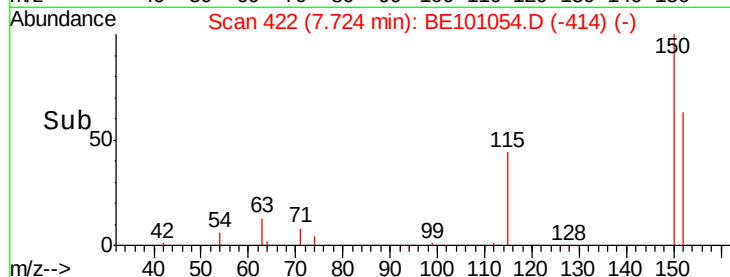
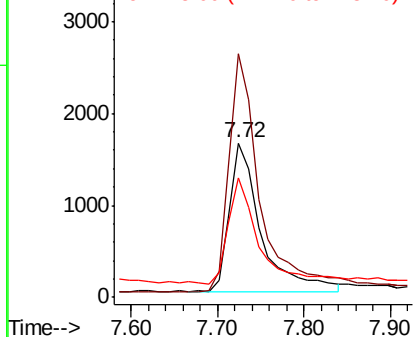


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

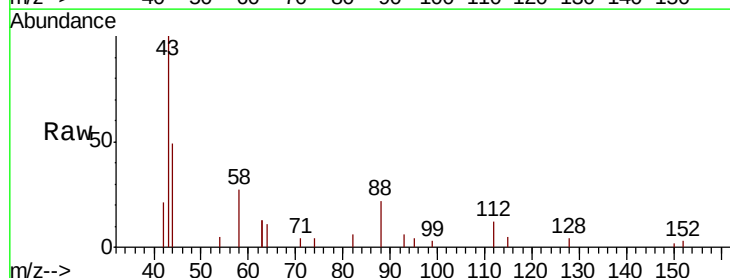
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.058 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.6	80.4
63	114.1	114.6	172.0

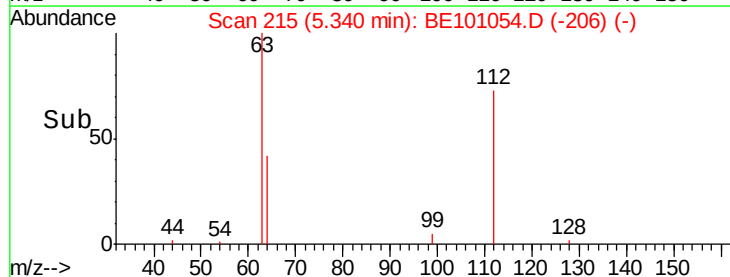
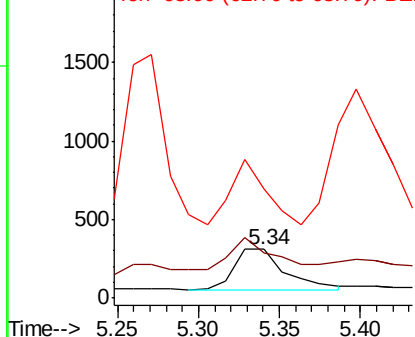


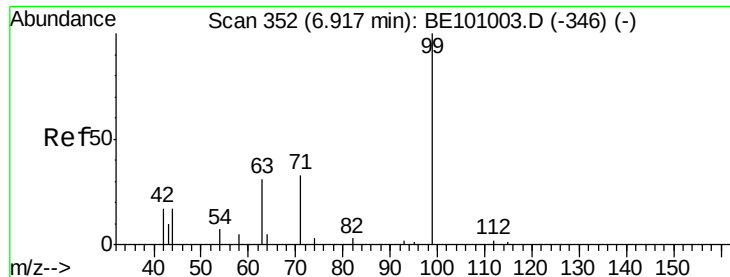
Abundance

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: 0.050 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

Instrument :

BNA_E

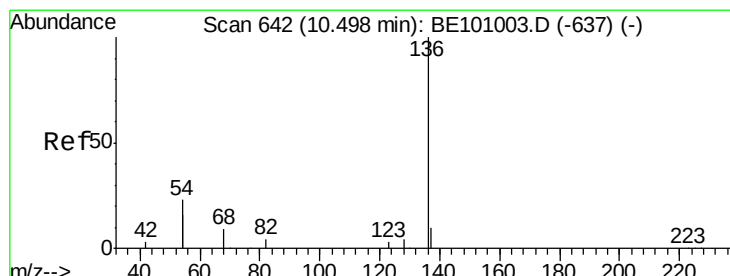
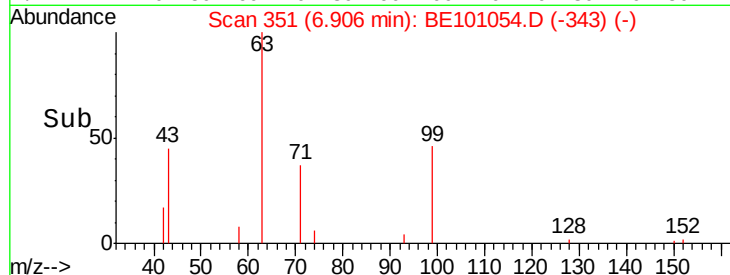
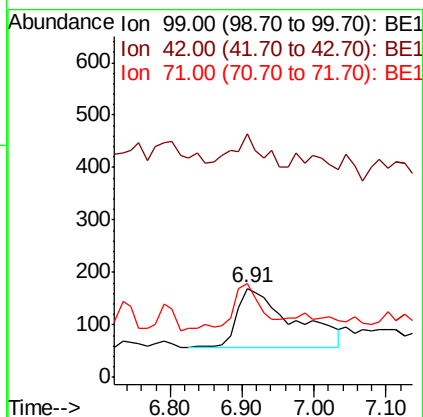
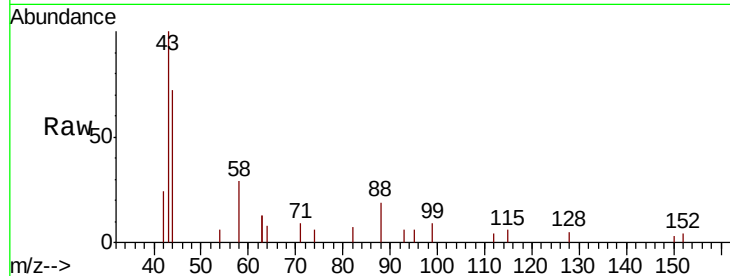
ClientSampleId :

SB-20(3-5)

Tot Ion:	99	Resp:	591
Ion	Ratio	Lower	Upper
99	100		
42	26.6	18.3	27.5
71	37.9	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

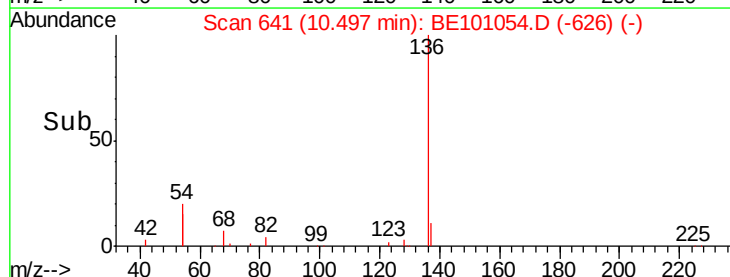
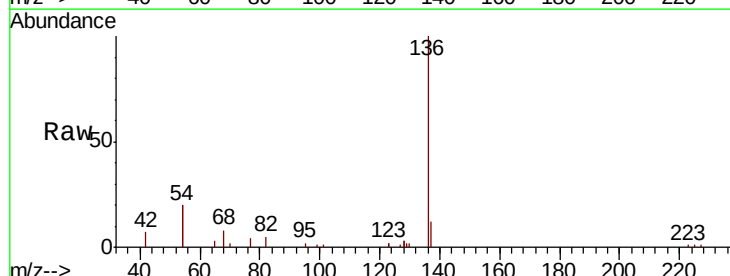
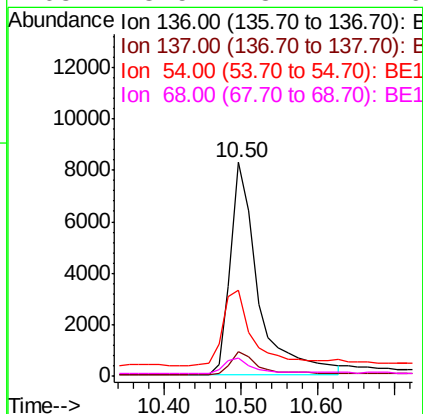
RT: 10.50 min Scan# 641

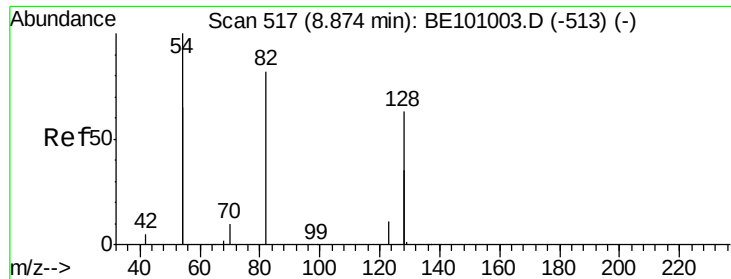
Delta R.T. -0.00 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

Tgt Ion:	136	Resp:	21007
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	40.3	36.8	55.2
68	8.5	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.033 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

Instrument :

BNA_E

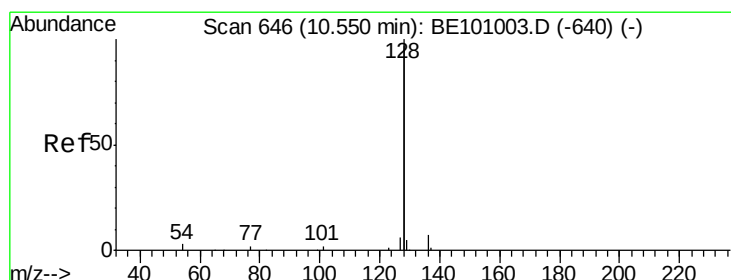
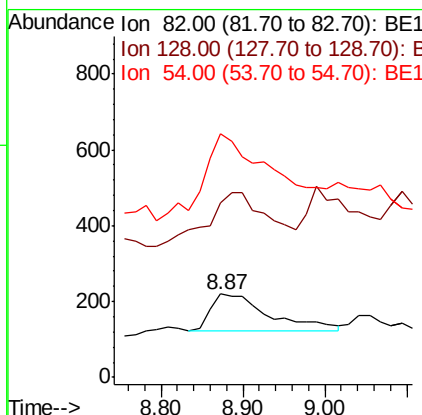
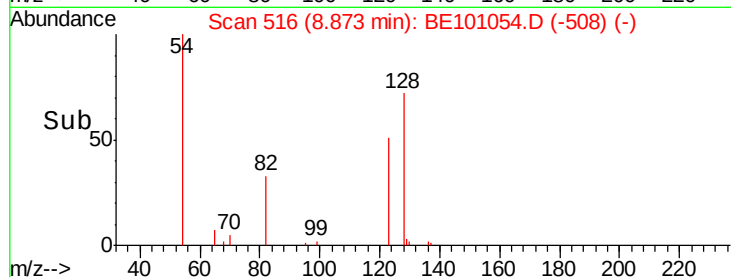
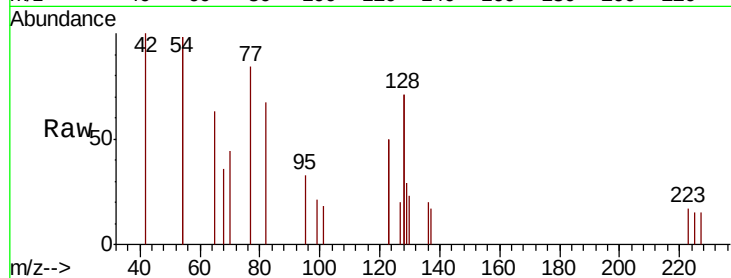
ClientSampleId :

SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	210.0	109.8	164.6#
54	291.8	174.5	261.7#

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#9

Naphthalene

Concen: 0.573 ng

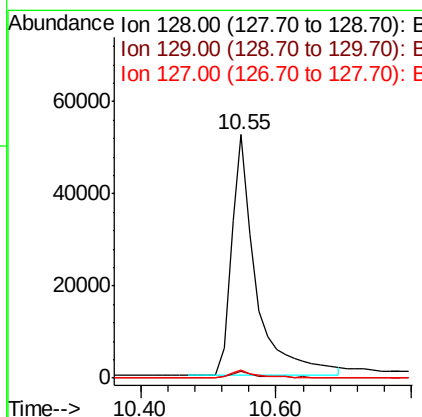
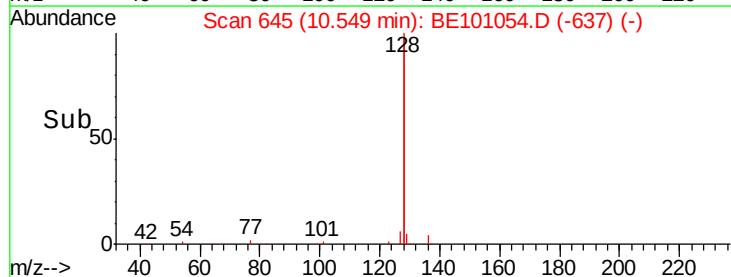
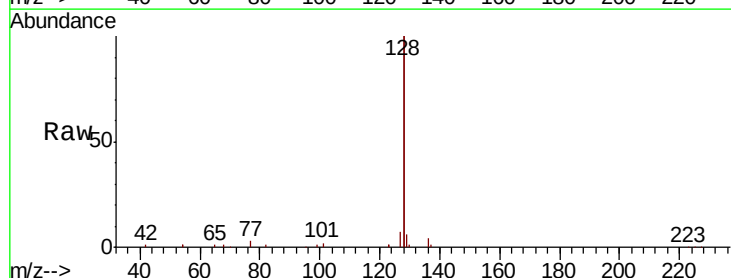
RT: 10.55 min Scan# 645

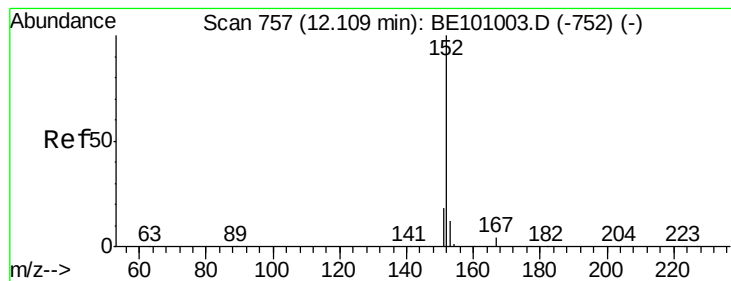
Delta R.T. -0.00 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.3	3.5
127	3.3	2.7	4.1





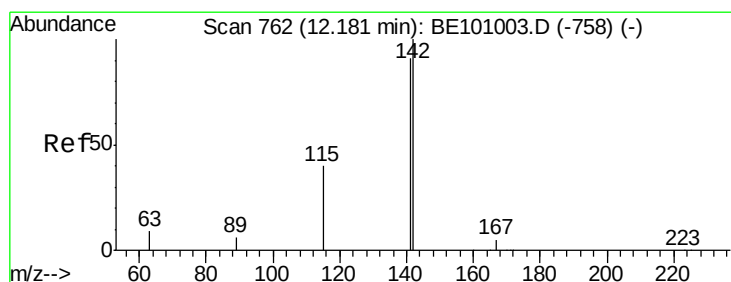
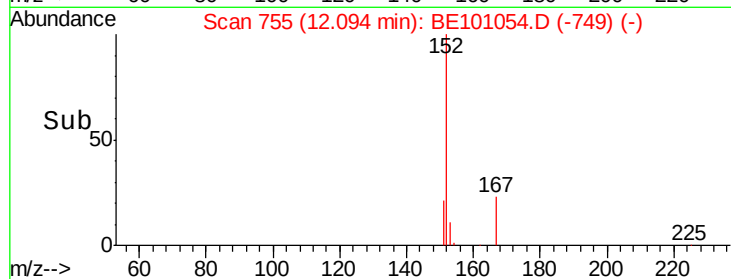
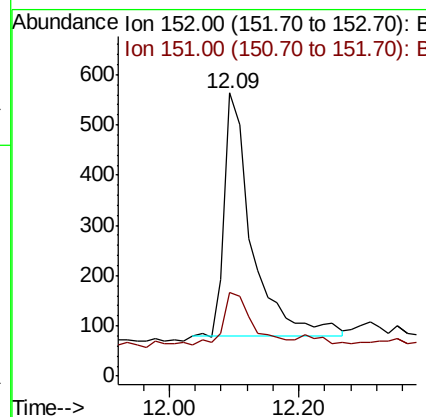
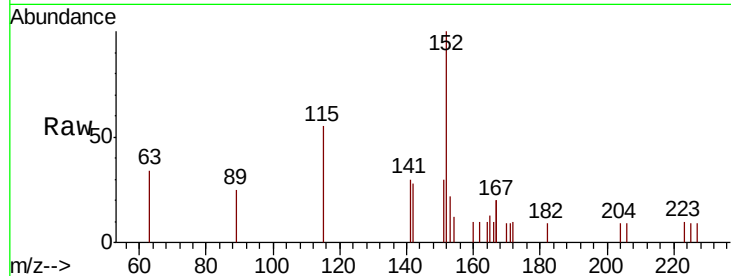
#11
 2-Methylnaphthalene-d10
 Concen: 0.035 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Instrument :
 BNA_E
 ClientSampleId :
 SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.0	22.6

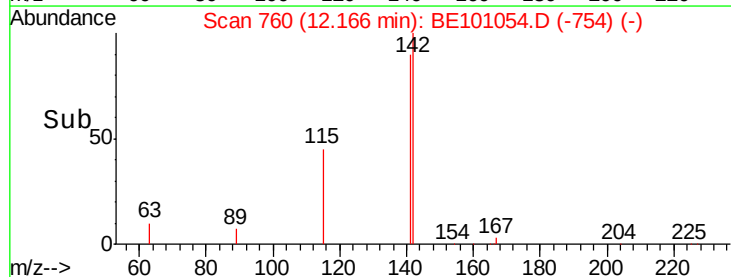
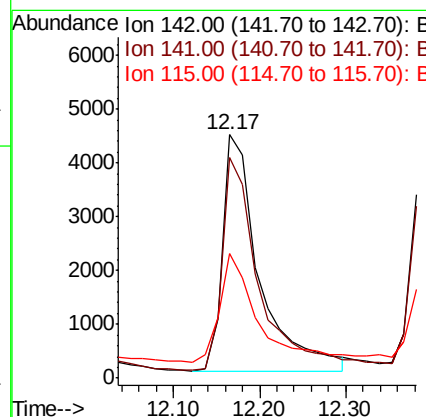
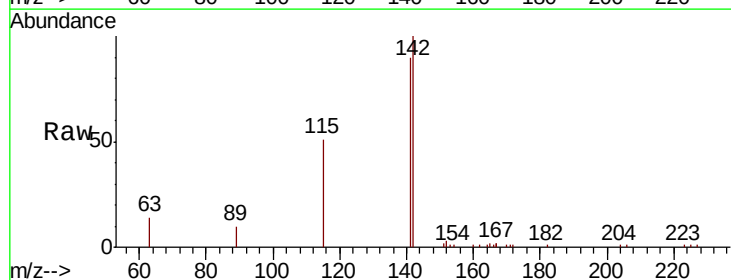
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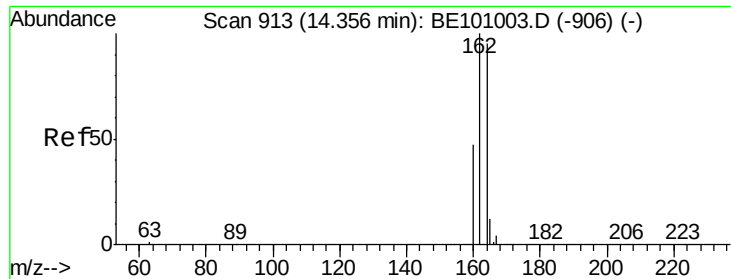
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#12
 2-Methylnaphthalene
 Concen: 0.369 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.5	108.7
115	51.2	33.0	49.6





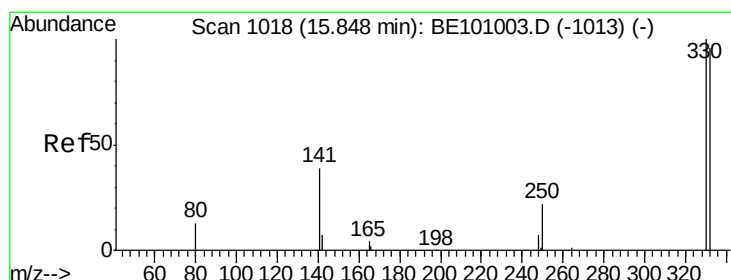
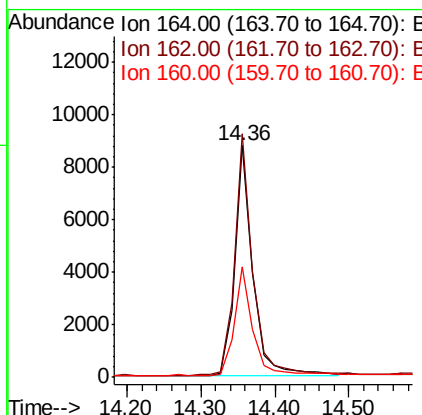
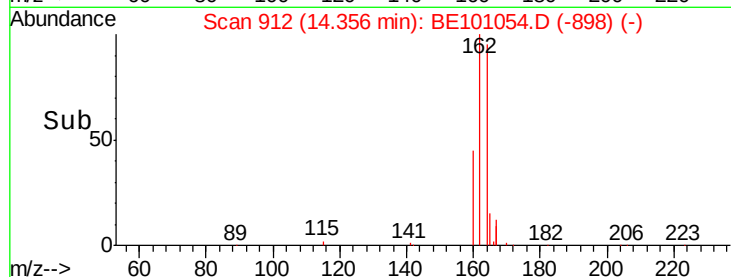
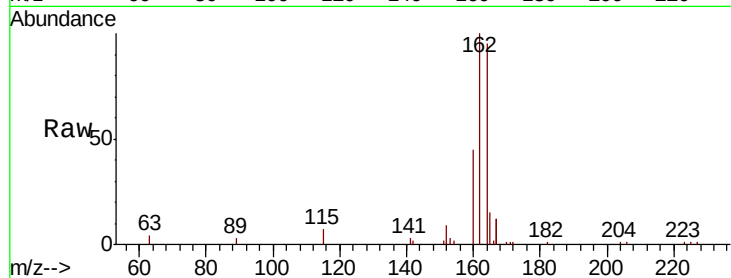
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	84.1	126.1
160	47.7	40.4	60.6

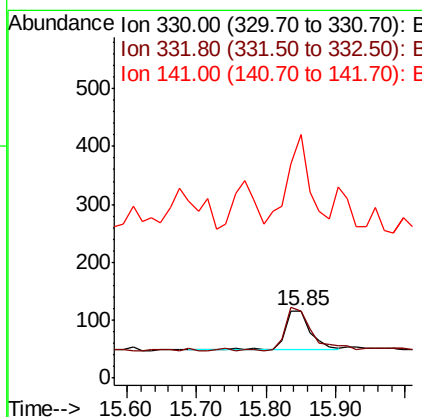
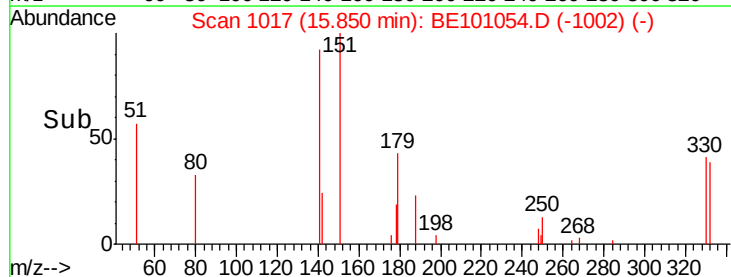
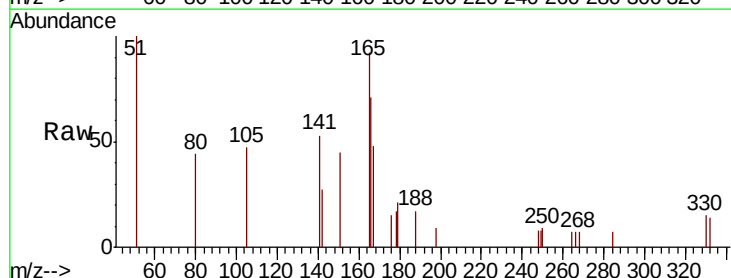
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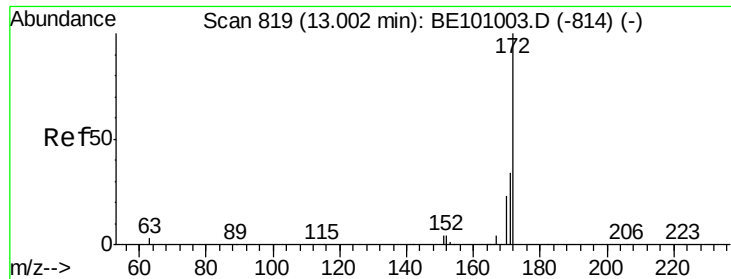
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#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	117.6	78.4	117.6
141	198.4	37.0	55.4#





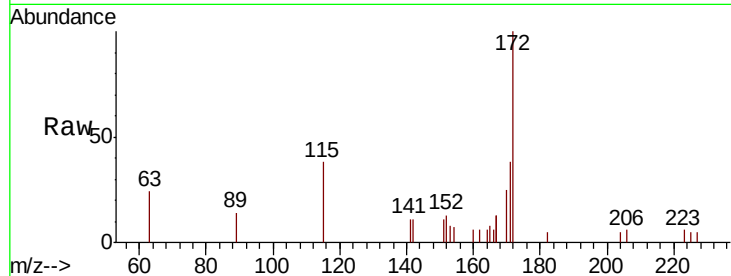
#15
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	28.2	42.2
170	25.2	18.9	28.3

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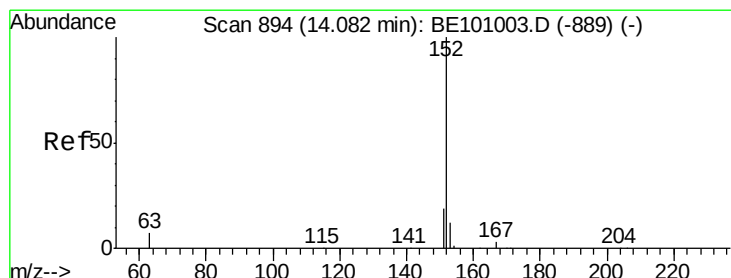
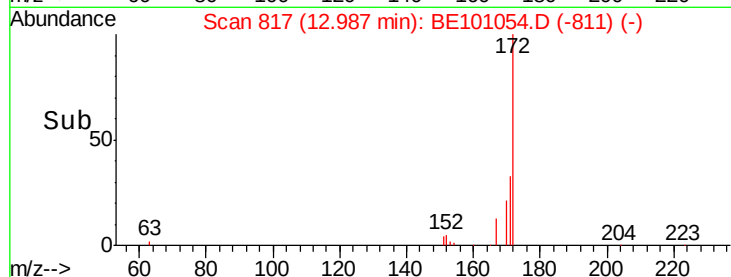
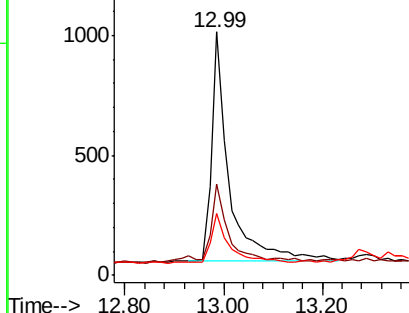


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.899 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

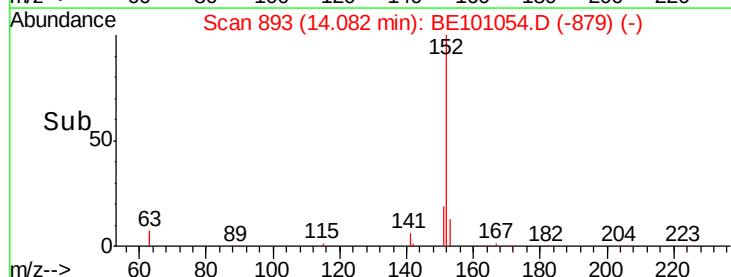
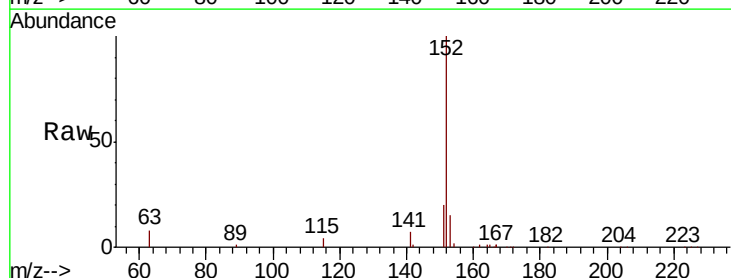
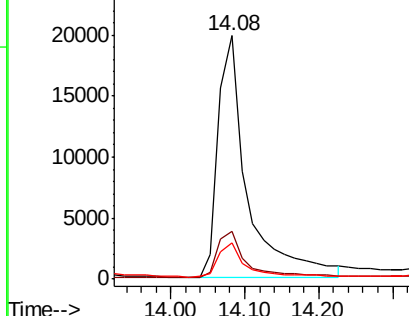
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	12.8	10.4	15.6

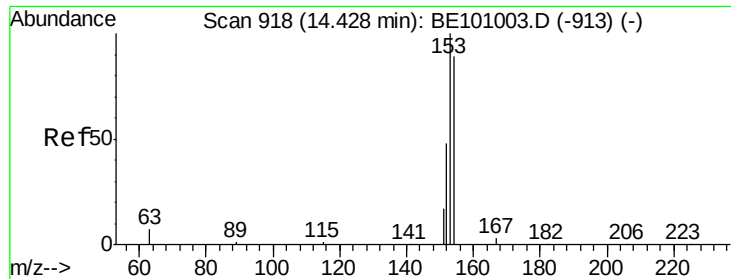
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





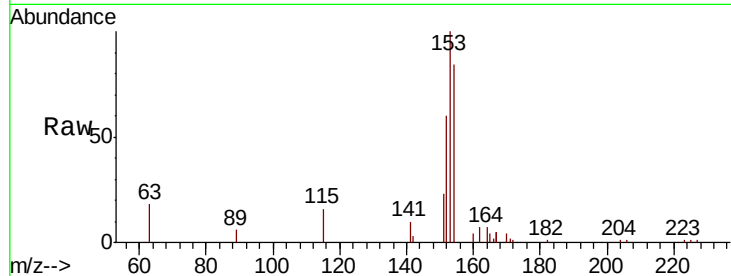
#17
Acenaphthene
Concen: 0.184 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.7	93.6	140.4
152	61.5	46.3	69.5

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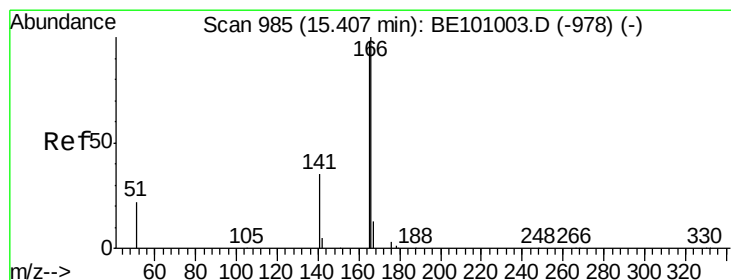
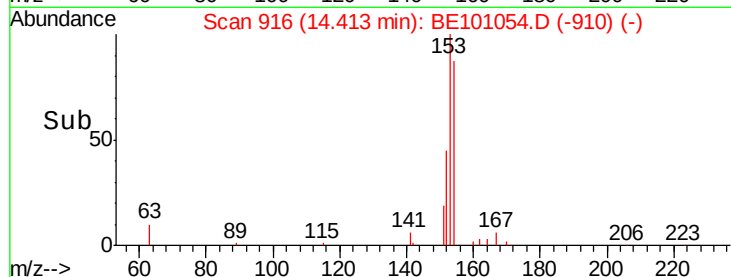
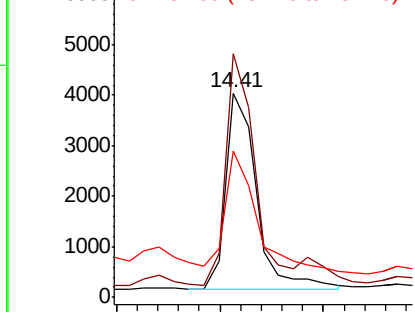


Abundance

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: 0.331 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

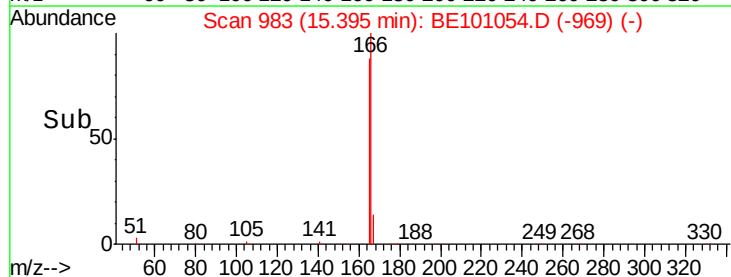
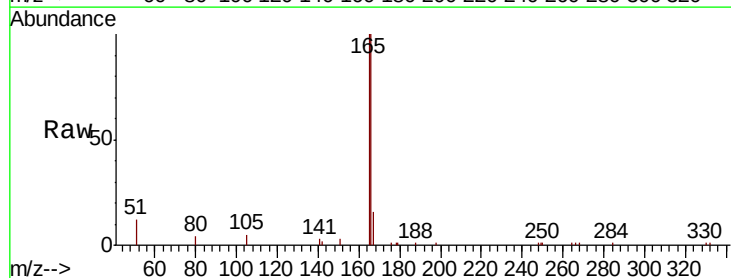
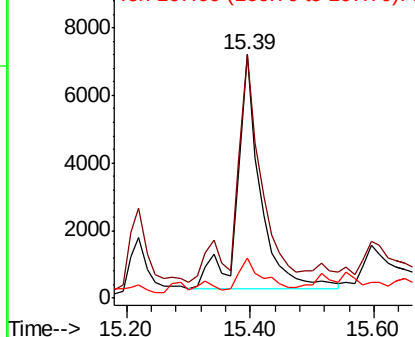
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.3	79.8	119.8
167	12.1	11.0	16.6

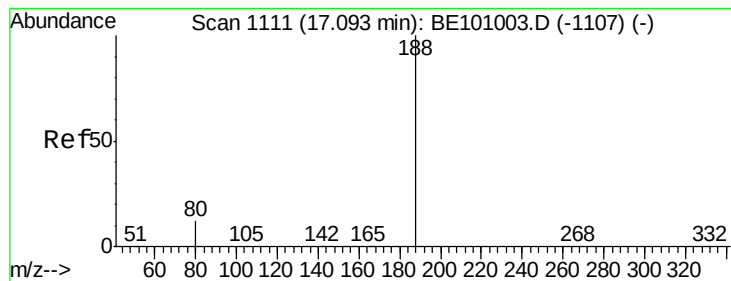
Abundance

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: 17.08 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

Instrument :

BNA_E

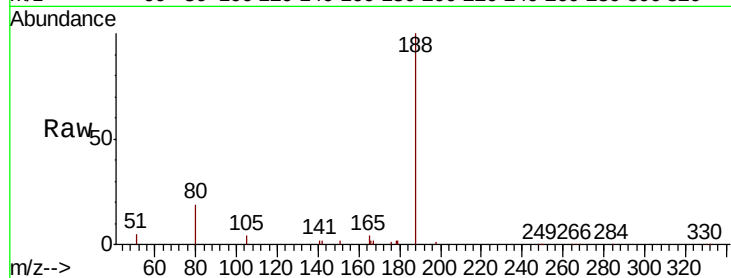
ClientSampleId :

SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	18.9	10.8	16.2

Manual Integrations
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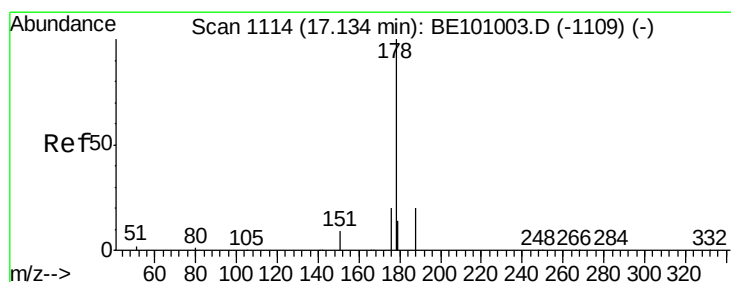
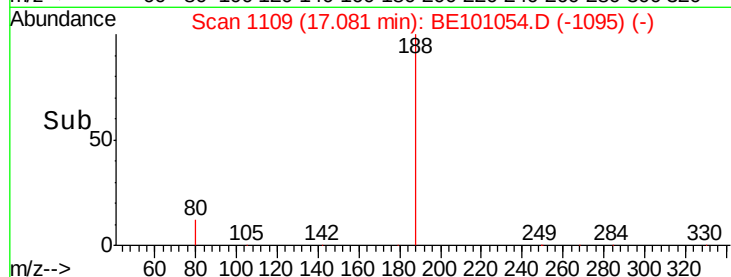
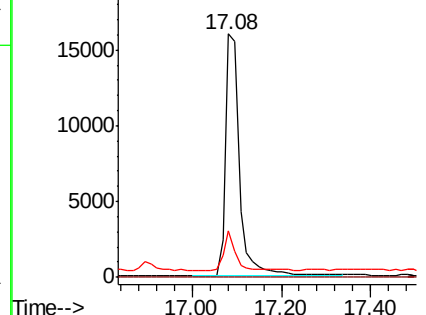


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 2.987 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101054.D

Acq: 14 Jan 2020 16:34

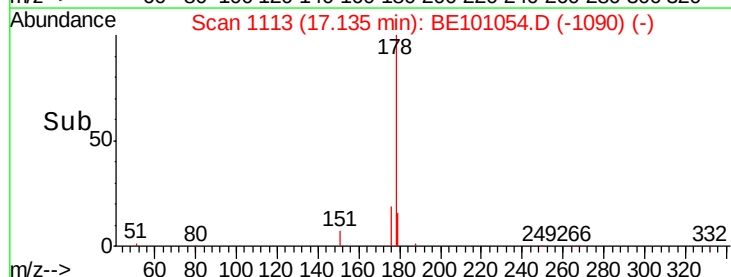
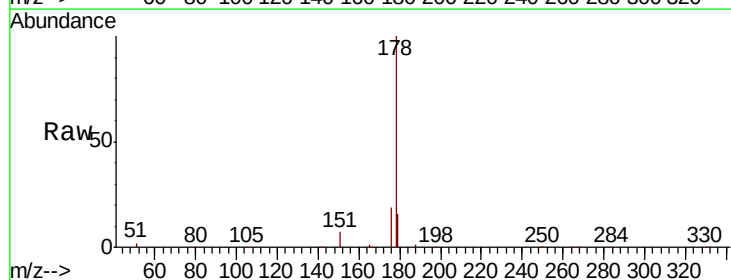
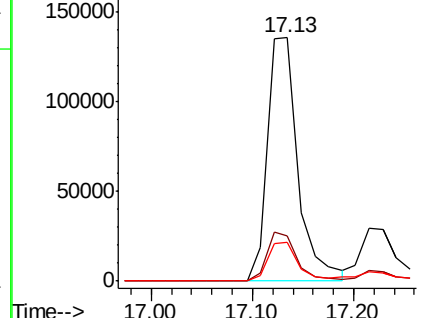
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.0	18.0

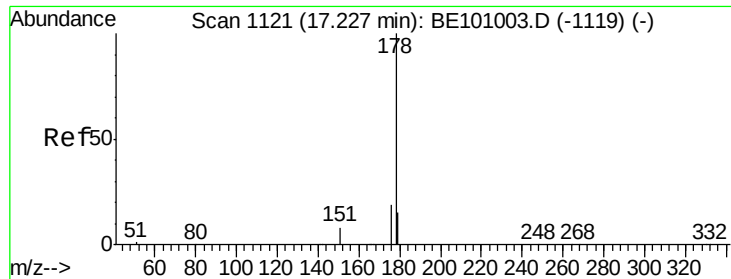
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





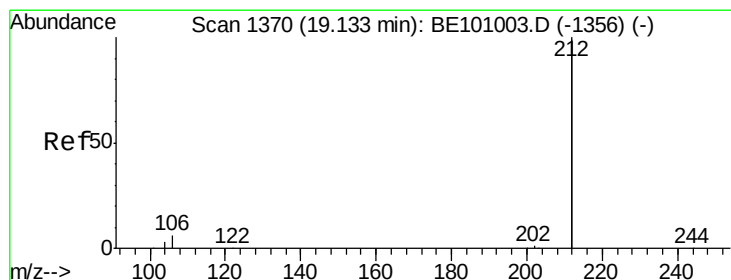
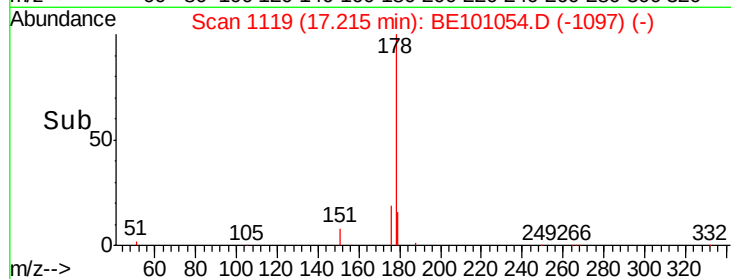
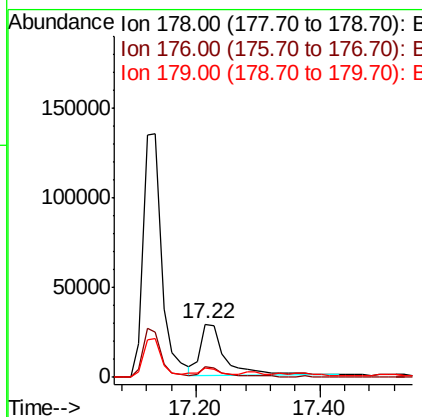
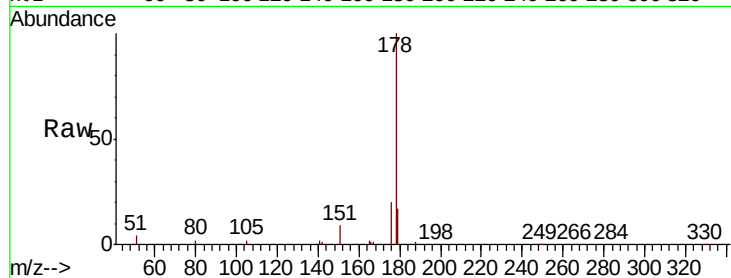
#24
 Anthracene
 Concen: 0.922 ng
 RT: 17.22 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Instrument :
 BNA_E
 ClientSampleId :
 SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.4	14.8	22.2
179	14.6	12.4	18.6

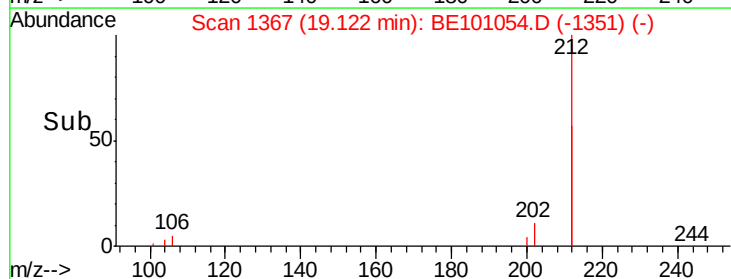
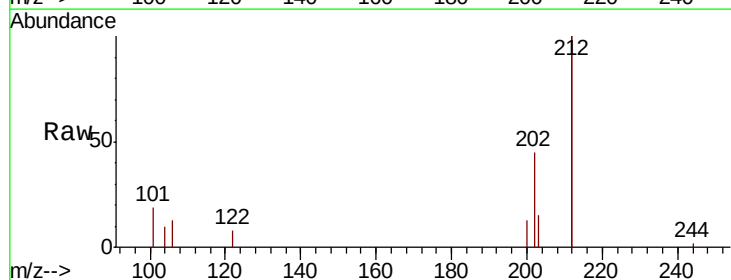
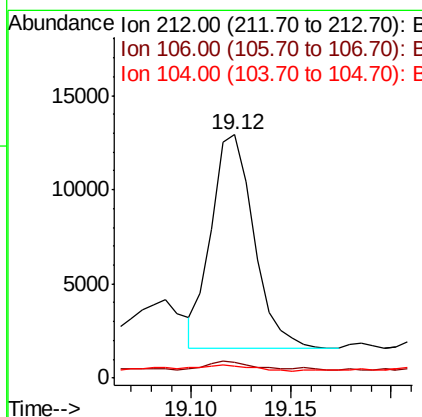
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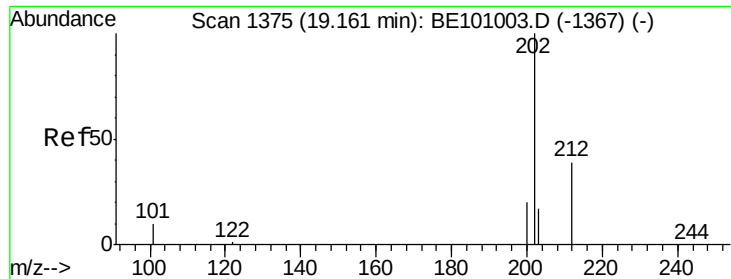
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.034 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.5	2.6	3.8#
104	2.5	1.4	2.0#





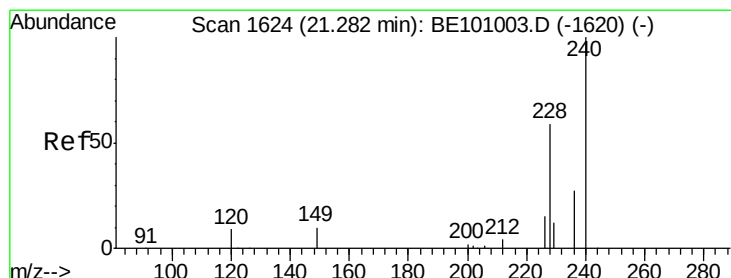
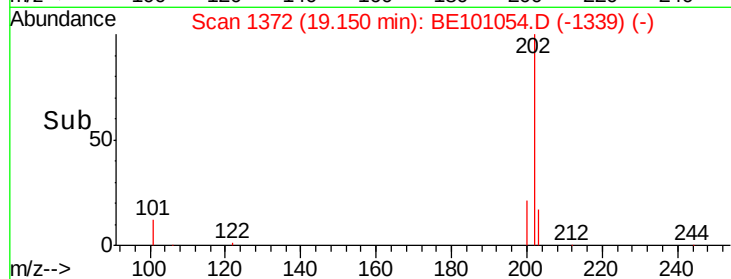
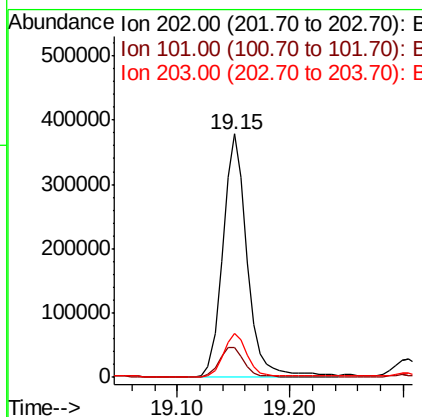
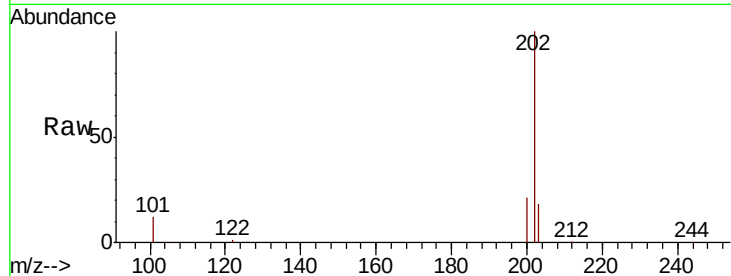
#26
Fluoranthene
Concen: 4.756 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	568014		
101	12.8		9.6	14.4
203	17.4		13.8	20.6

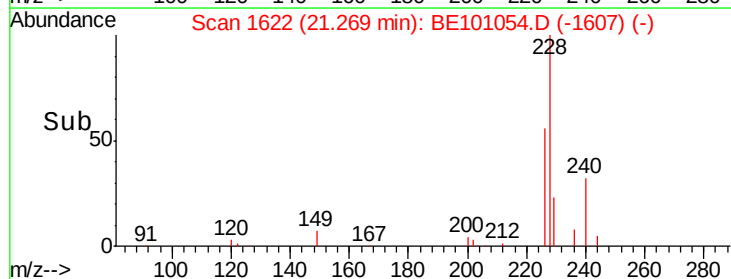
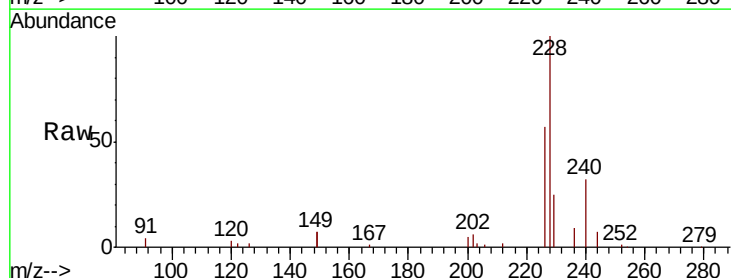
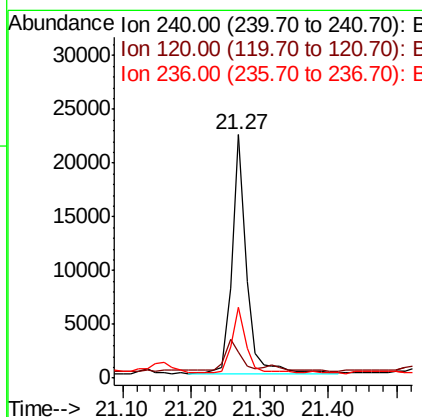
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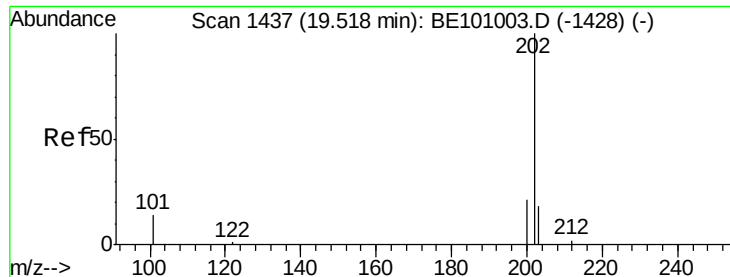
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	32779		
120	10.8		8.6	13.0
236	28.9		22.2	33.4





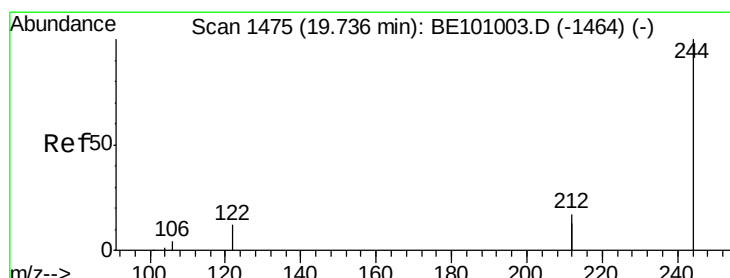
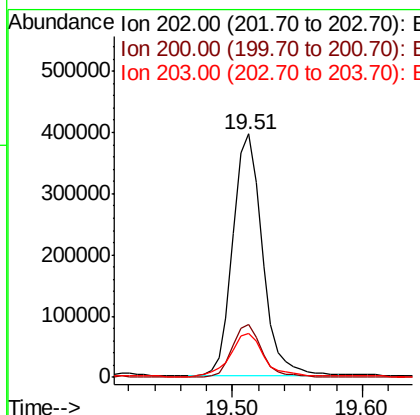
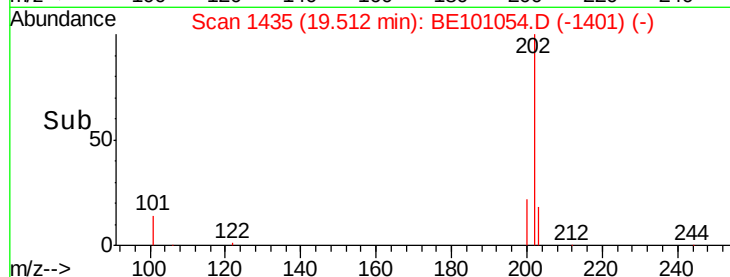
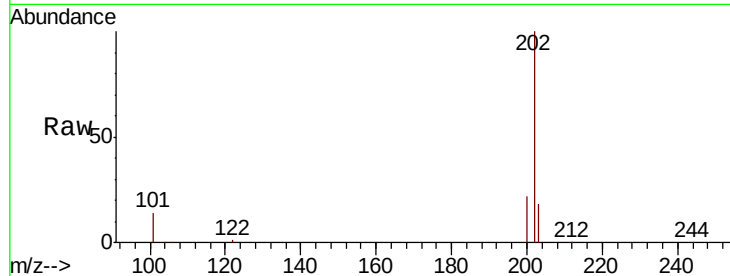
#28
Pvrene
Concen: 5.142 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.4
203	20.4	13.8	20.6

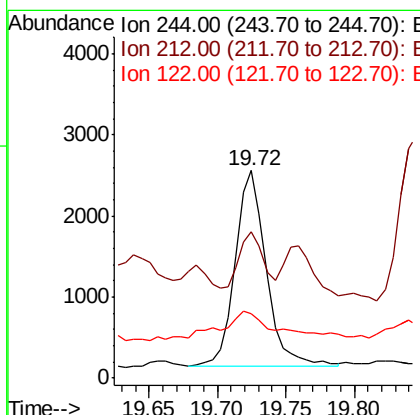
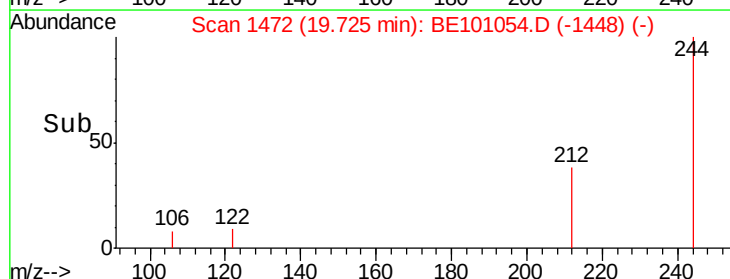
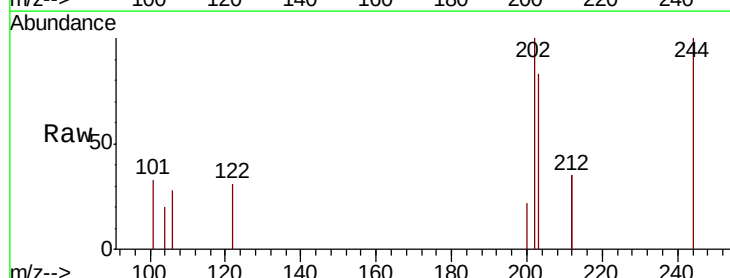
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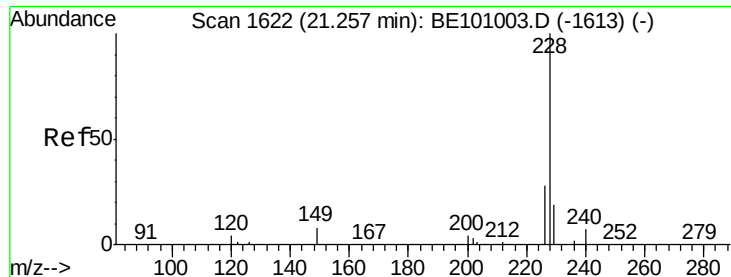
mohammad
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#29
Terphenyl-d14
Concen: 0.047 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	70.8	27.2	40.8#
122	30.8	9.8	14.8#





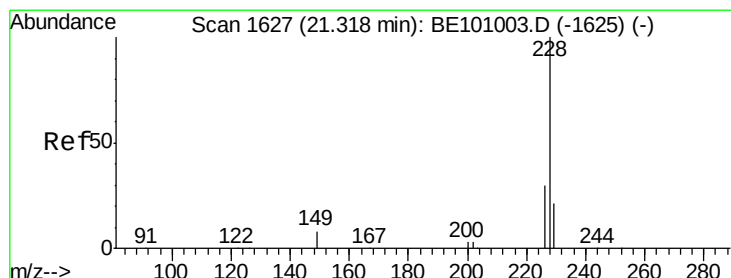
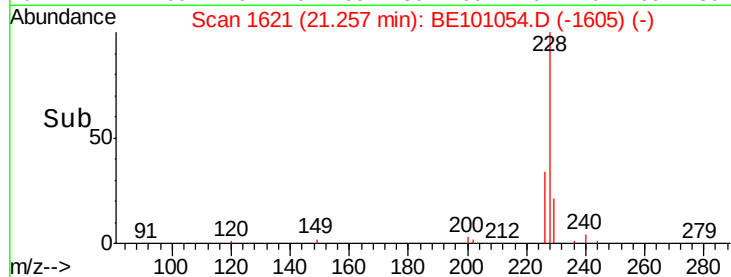
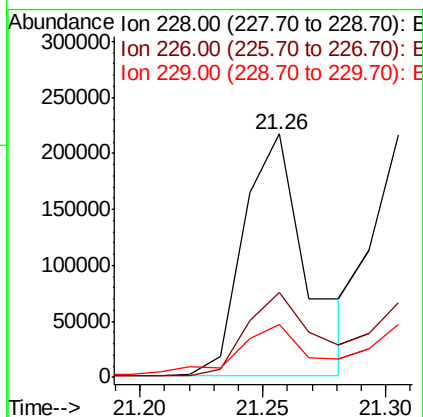
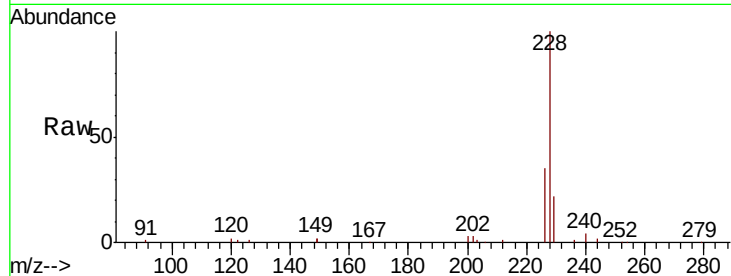
#30
Benzo(a)anthracene
Concen: 4.134 ng m
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampled :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.7	34.1#
229	22.0	15.5	23.3

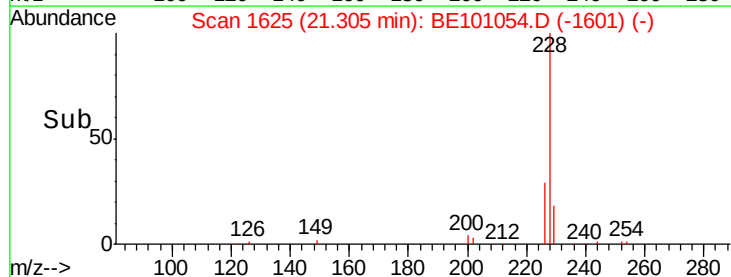
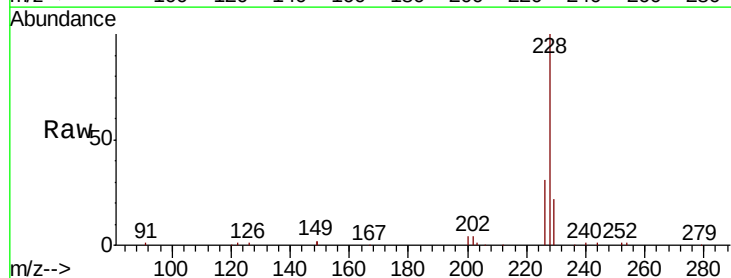
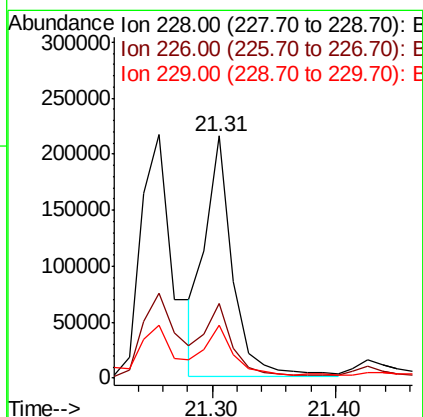
Manual Integrations
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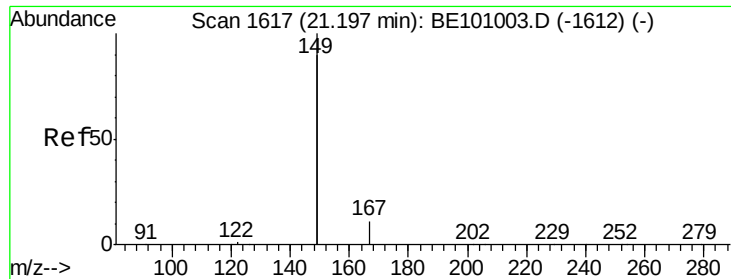
mohammad
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#31
Chrysene
Concen: 2.402 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.5	35.3
229	21.8	16.7	25.1





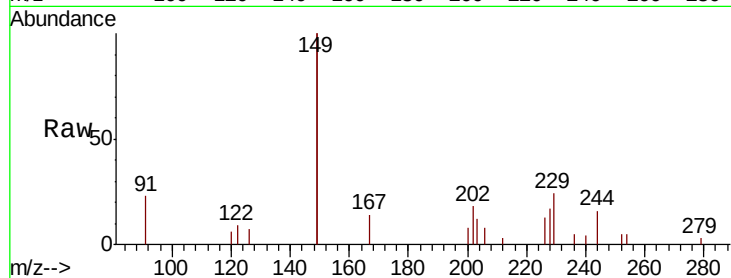
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.157 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Instrument :
 BNA_E
 ClientSampleId :
 SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	4.0	5.2	7.8#
279	0.4	0.8	1.2#

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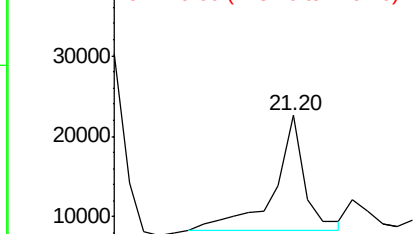


Abundance

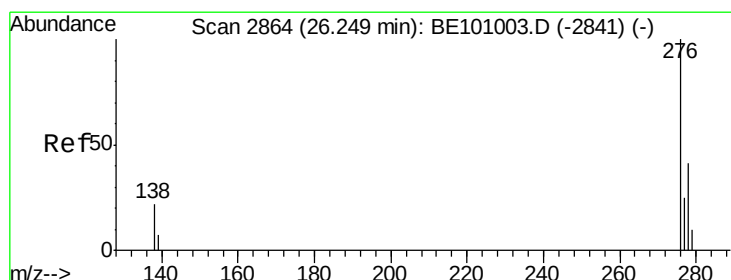
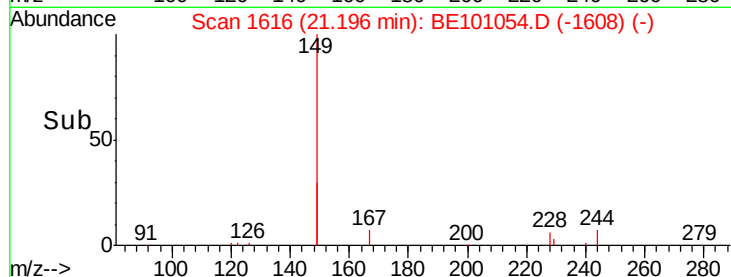
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.260 ng
 RT: 26.23 min Scan# 2857
 Delta R.T. -0.02 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

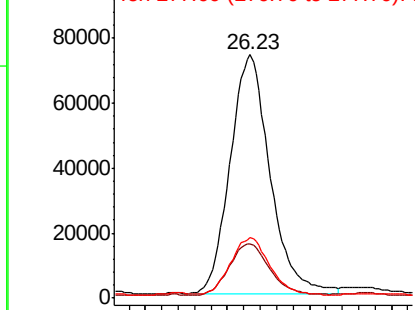
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.1	24.1
277	23.3	18.1	27.1

Abundance

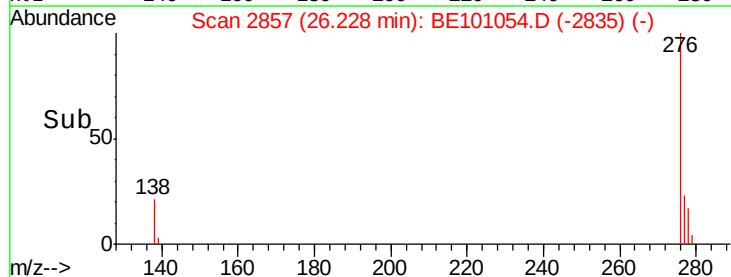
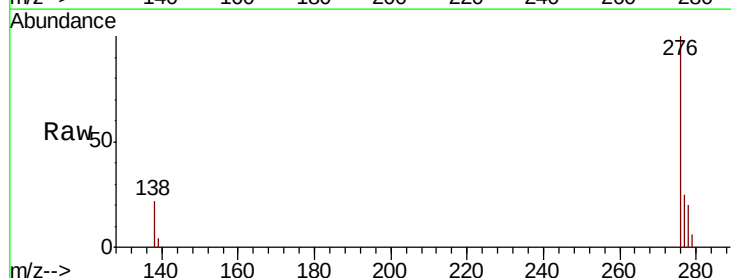
Ion 276.00 (275.70 to 276.70): E

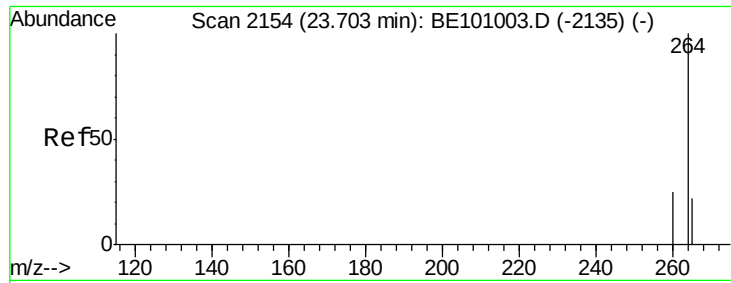
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





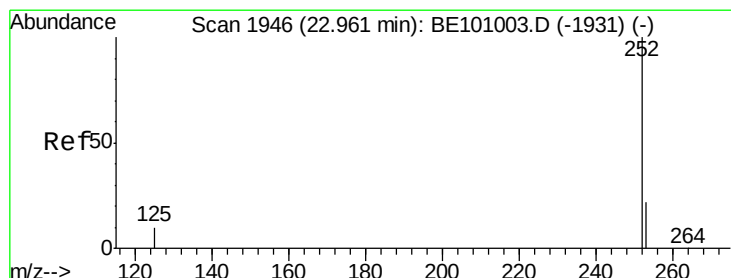
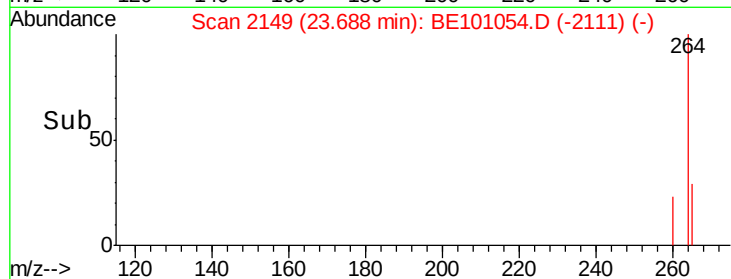
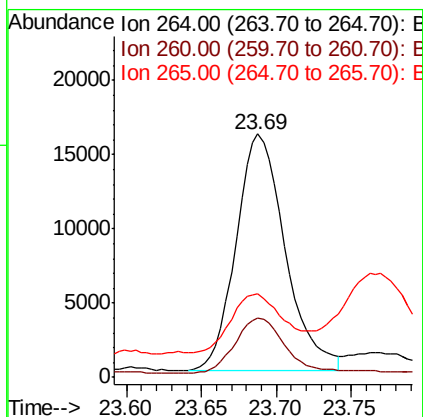
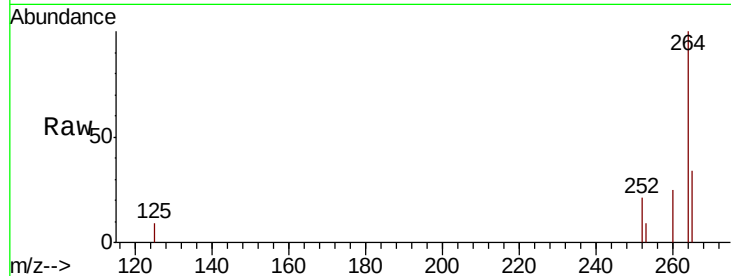
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.3	30.5
265	34.3	27.0	40.4

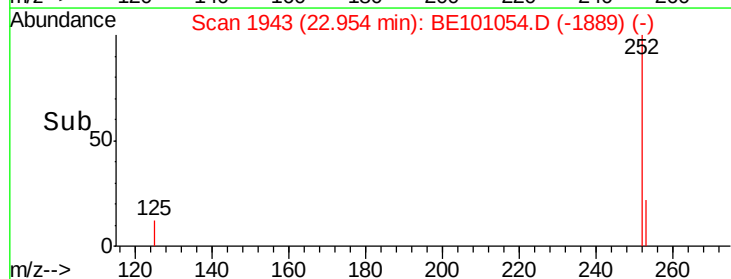
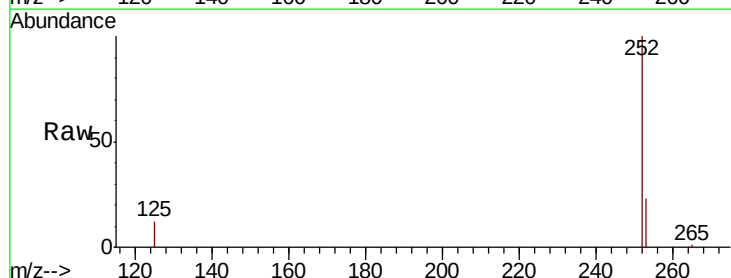
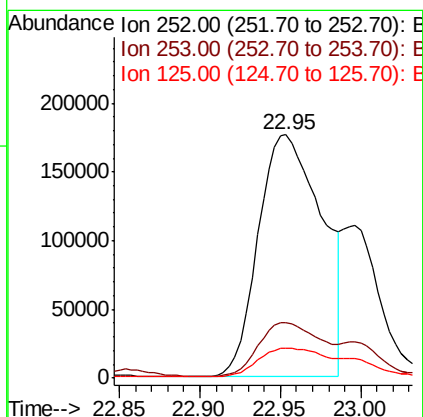
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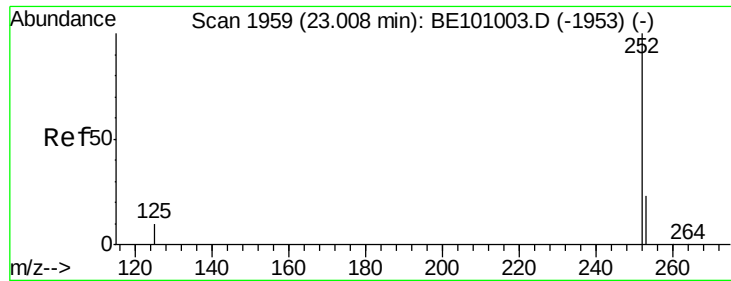
mohammad
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#35
Benzo(b)fluoranthene
Concen: 4.766 ng
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	12.3	9.5	14.3





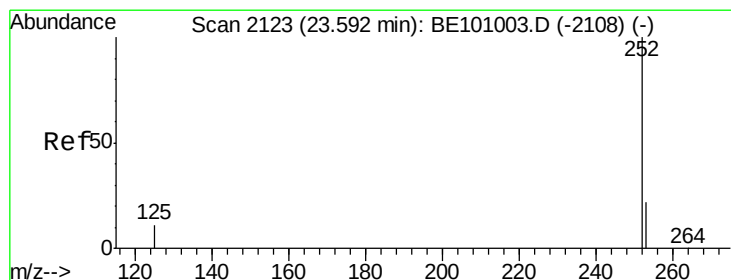
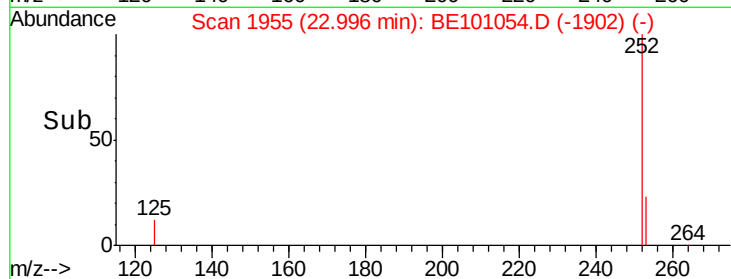
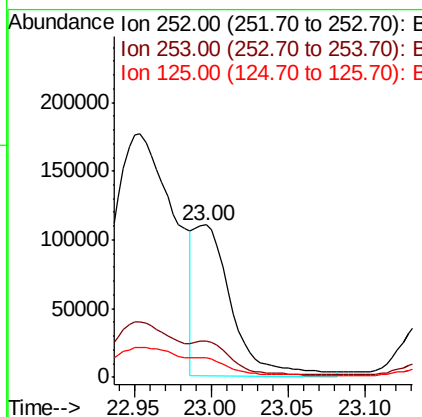
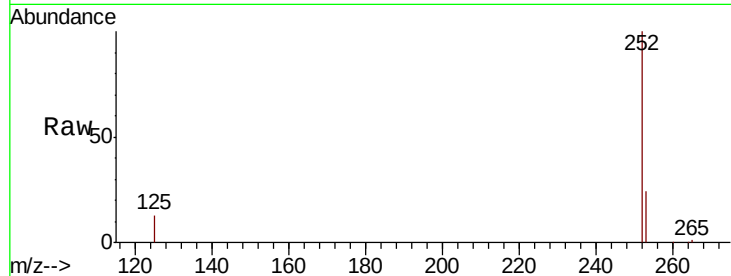
#36
Benzo(k)fluoranthene
Concen: 1.269 ng m
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Instrument :
BNA_E
ClientSampleId :
SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	12.8	10.1	15.1

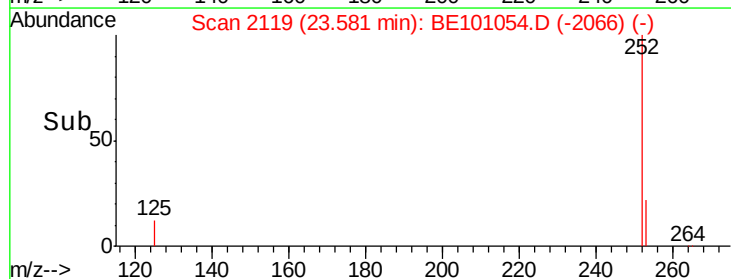
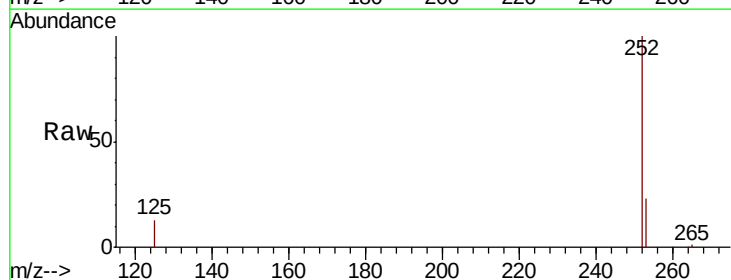
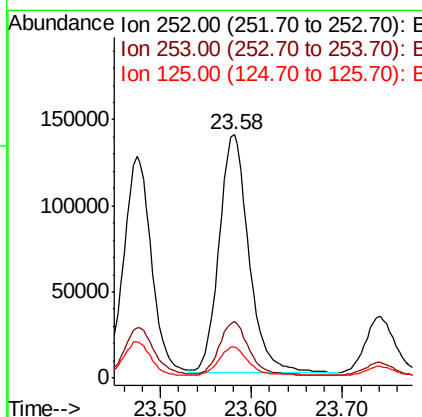
Manual Integrations
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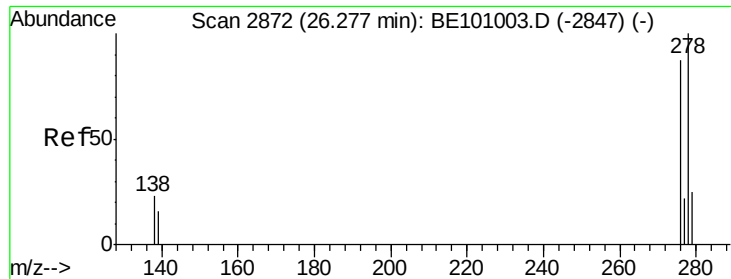
mohammad
1/21/2020 7:51:33 AM



#37
Benzo(a)pyrene
Concen: 3.185 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101054.D
Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.4	29.2
125	12.7	11.8	17.6





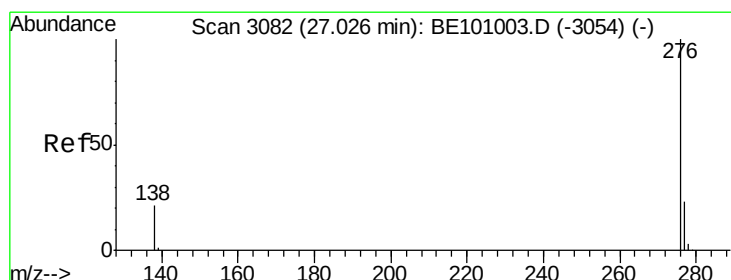
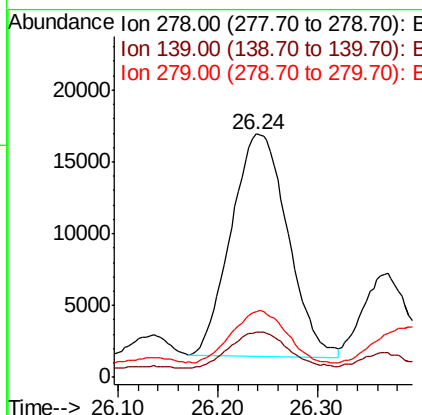
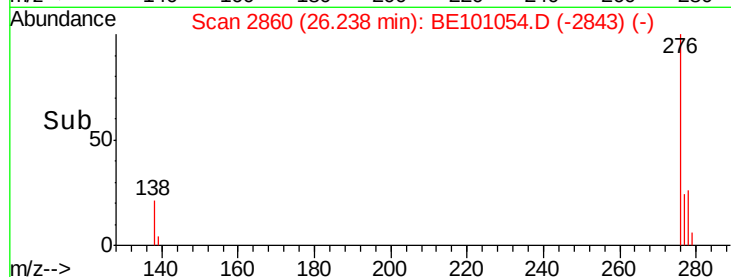
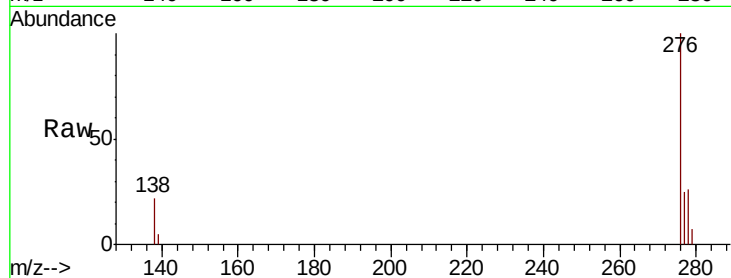
#38
 Dibenzo(a,h)anthracene
 Concen: 0.674 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. -0.04 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Instrument :
 BNA_E
 ClientSampleId :
 SB-20(3-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.0	22.4
279	26.7	22.6	33.8

Manual Integrations
 APPROVED

mohammad
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#39
 Benzo(g,h,i)perylene
 Concen: 2.337 ng
 RT: 27.01 min Scan# 3075
 Delta R.T. -0.02 min
 Lab File: BE101054.D
 Acq: 14 Jan 2020 16:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	22.9	17.9	26.9

