

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101053.D
 Acq On : 14 Jan 2020 15:58
 Operator : JU
 Sample : L1103-02 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-15(2-3.5)

Manual Integrations
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 1/21/2020 7:51:23 AM

Quant Time: Jan 15 10:12:45 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	3863	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	18723	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	13551	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	32150	0.40	ng	0.00
27) Chrysene-d12	21.27	240	29919	0.40	ng	-0.01
34) Perylene-d12	23.69	264	33066	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	1134	0.13	ng	0.00
5) Phenol-d6	6.91	99	1543	0.14	ng	-0.01
8) Nitrobenzene-d5	8.87	82	1299	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	12.10	152	3963	0.11	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	591	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	6197	0.12	ng	-0.01
25) Fluoranthene-d10	19.13	212	47545	0.11	ng	0.00
29) Terphenyl-d14	19.72	244	9654	0.13	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.55	128	157233	0.756	ng	100
12) 2-Methylnaphthalene	12.17	142	13157	0.418	ng	97
16) Acenaphthylene	14.07	152	58444	1.059	ng	100
17) Acenaphthene	14.41	154	7676	0.194	ng	94
18) Fluorene	15.39	166	49466	0.991	ng	98
23) Phenanthrene	17.13	178	368145	4.193	ng	99
24) Anthracene	17.23	178	120279	1.452	ng	99
26) Fluoranthene	19.16	202	753525	6.854	ng	99
28) Pyrene	19.51	202	778046	6.986	ng	98
30) Benzo(a)anthracene	21.25	228	408422	4.784	ng	94
31) Chrysene	21.31	228	434137	3.421	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	8906	0.063	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.23	276	332726	3.319	ng	99
35) Benzo(b)fluoranthene	22.95	252	539763	5.820	ng	99
36) Benzo(k)fluoranthene	22.99	252	229239m	1.706	ng	
37) Benzo(a)pyrene	23.58	252	400924	4.469	ng	96
38) Dibenzo(a,h)anthracene	26.24	278	63373	0.768	ng	97
39) Benzo(a,h,i)perylene	27.00	276	413342	4.074	ng	99

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

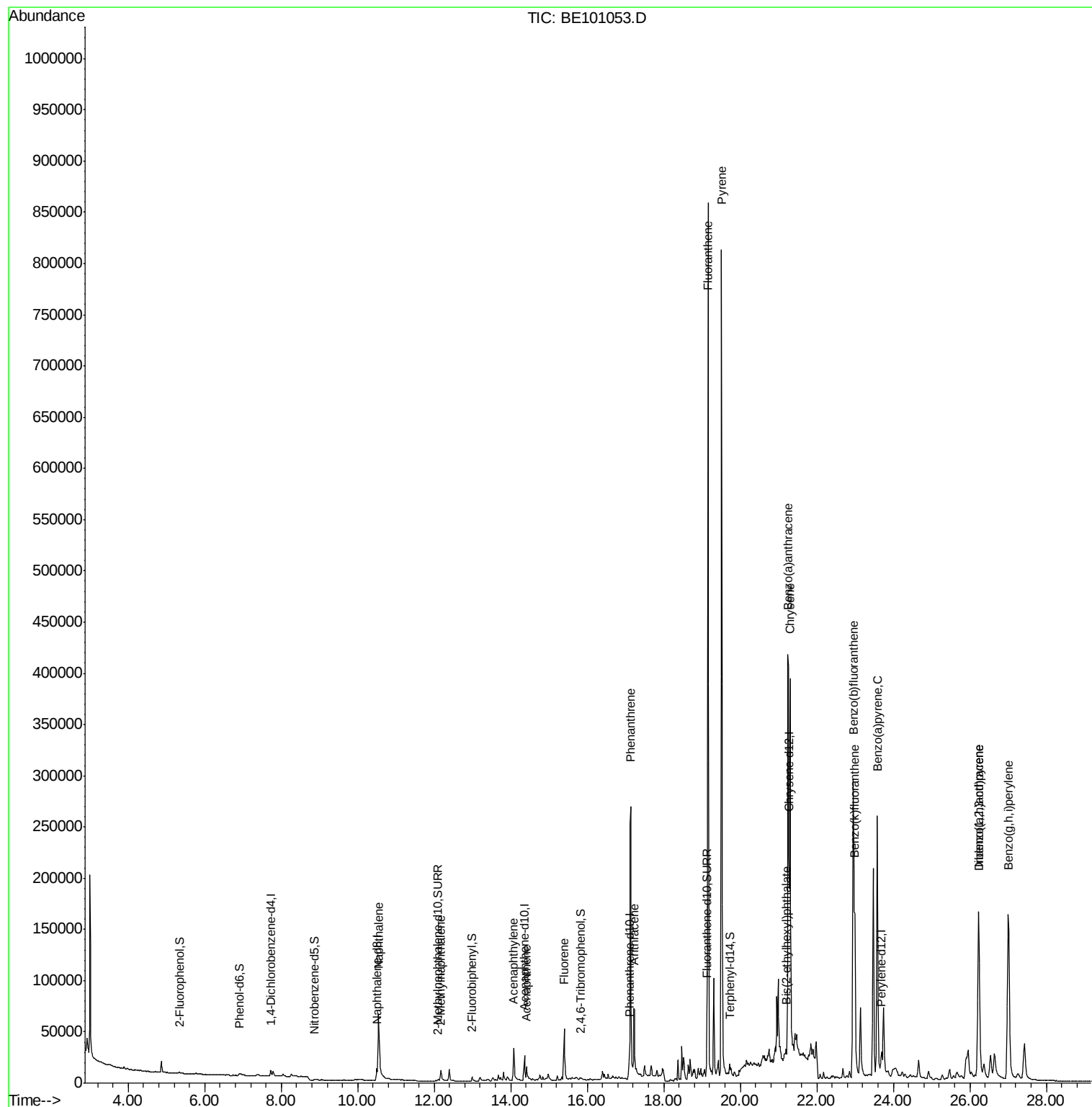
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101053.D
Acq On : 14 Jan 2020 15:58
Operator : JU
Sample : L1103-02 2X
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Instrument :
BNA_E
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SB-15(2-3.5)

Manual Integrations
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Quant Time: Jan 15 10:12:45 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

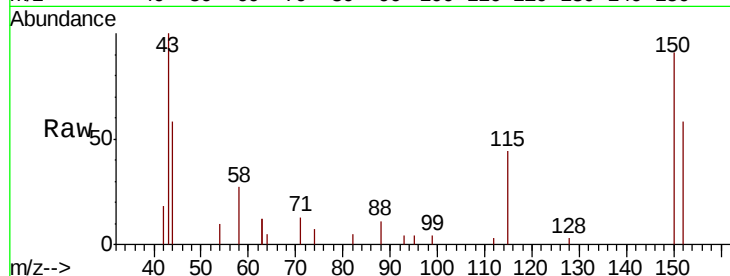
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	120.3	180.5
115	76.1	51.7	77.5

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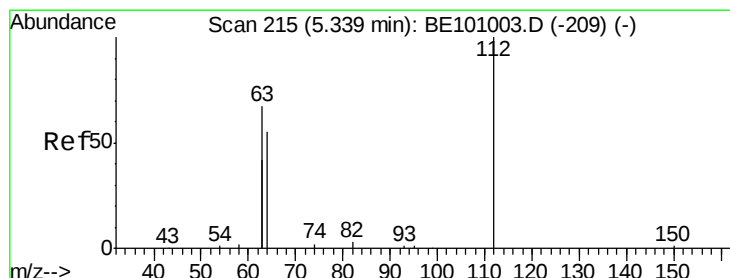
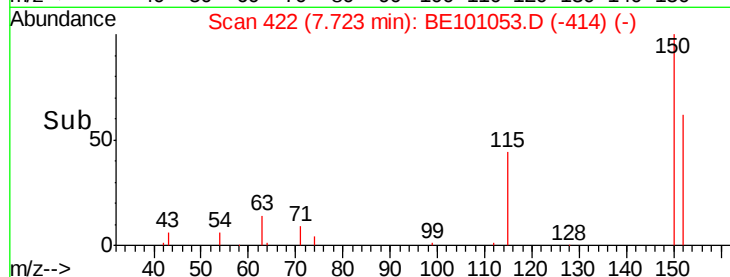
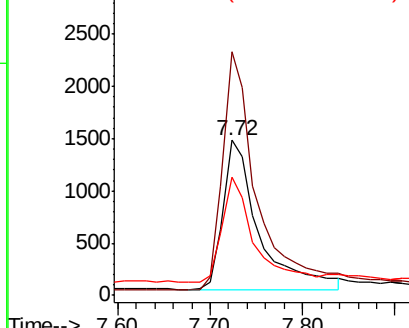


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

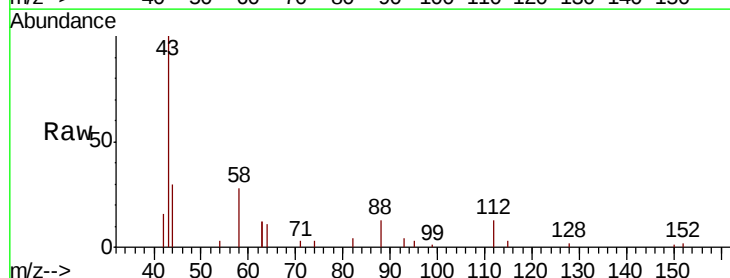
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.130 ng
RT: 5.34 min Scan# 215
Delta R.T. -0.00 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	84.7	53.6	80.4#
63	133.7	114.6	172.0

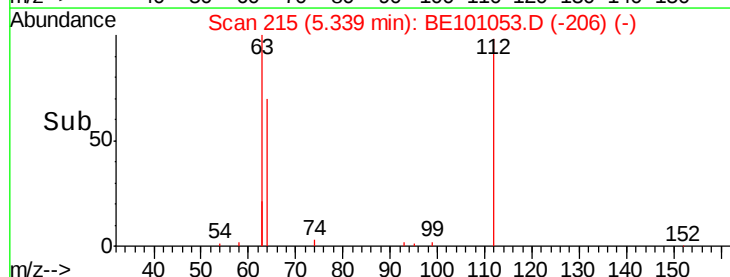
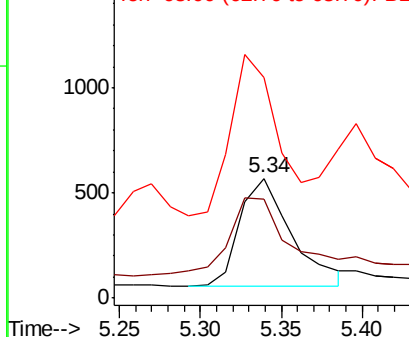


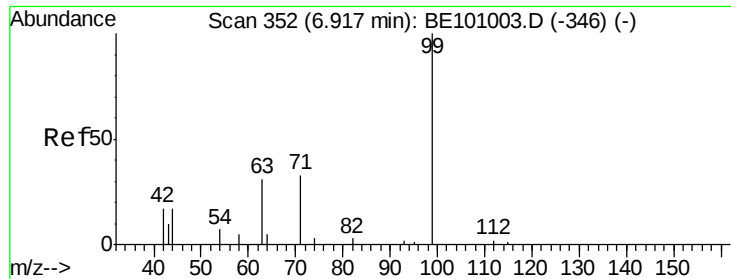
Abundance

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: 0.140 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Instrument :

BNA_E

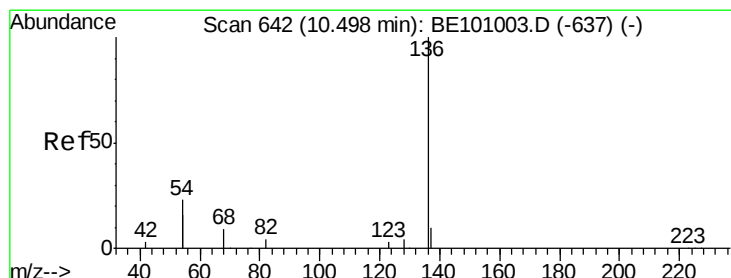
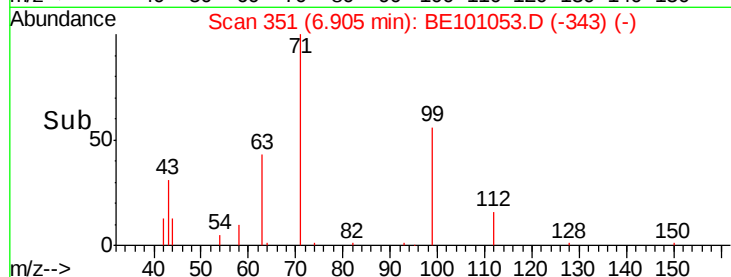
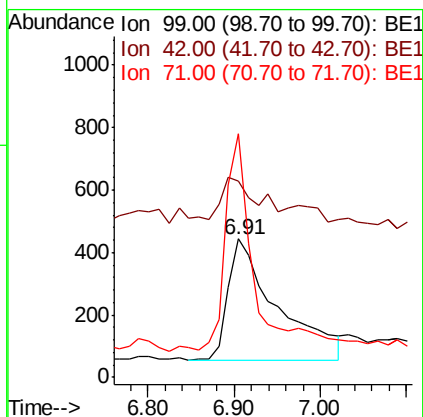
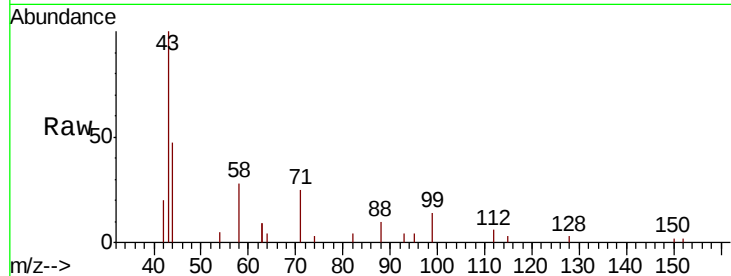
ClientSampled :

SB-15(2-3.5)

Tot Ion:	99	Resp:	1543
Ion	Ratio	Lower	Upper
99	100		
42	24.7	18.3	27.5
71	108.2	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

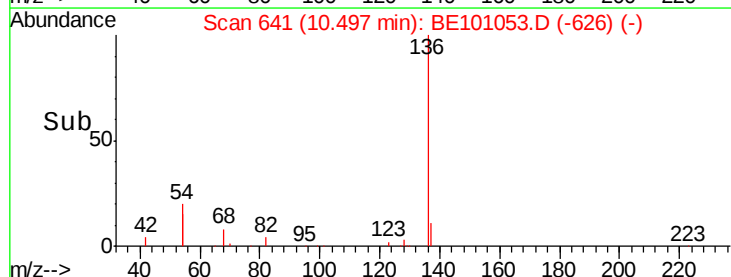
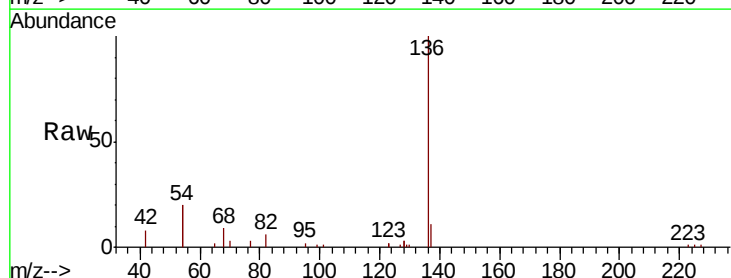
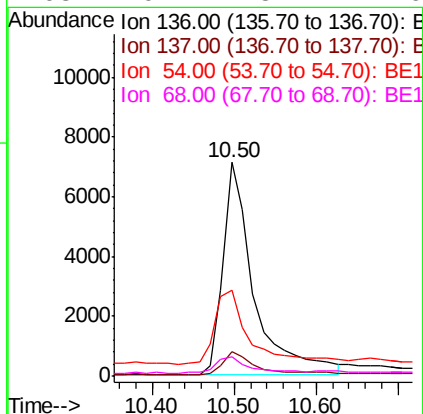
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Tgt Ion:	136	Resp:	18723
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	40.4	36.8	55.2
68	9.1	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.097 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Instrument :

BNA_E

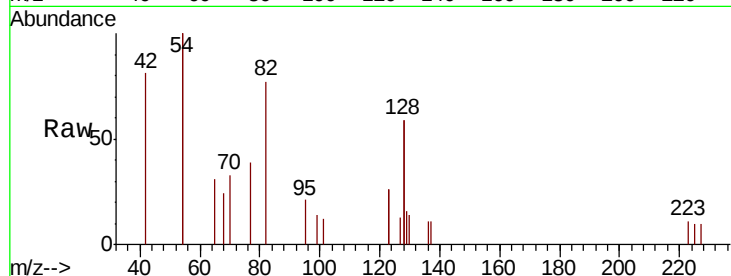
ClientSampleId :

SB-15(2-3.5)

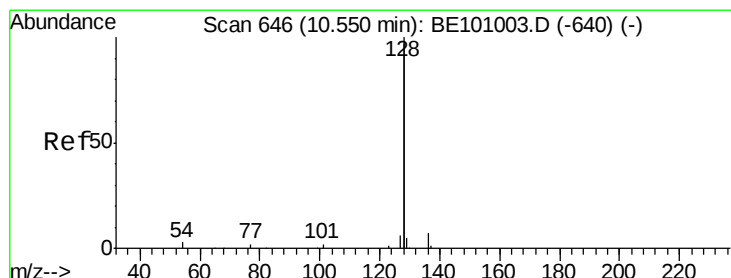
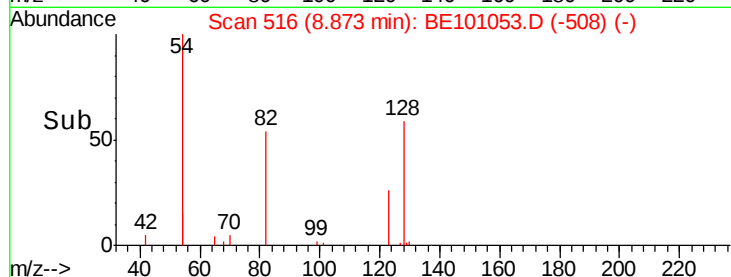
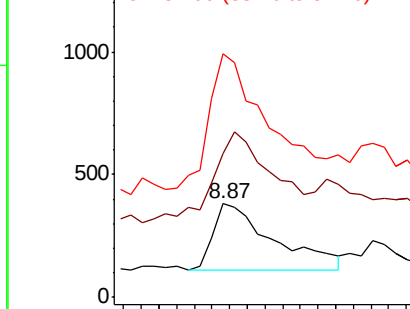
Tot Ion:	82	Resp:	1299
Ion	Ratio	Lower	Upper
82	100		
128	154.2	109.8	164.6
54	261.1	174.5	261.7

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.756 ng

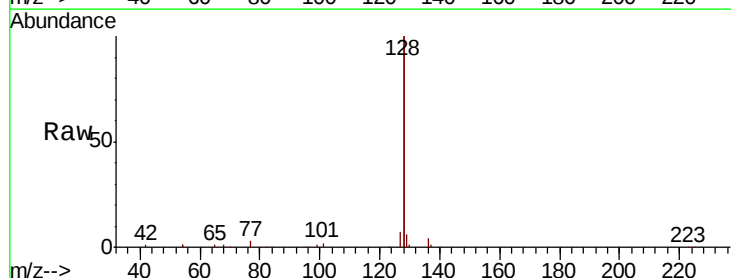
RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

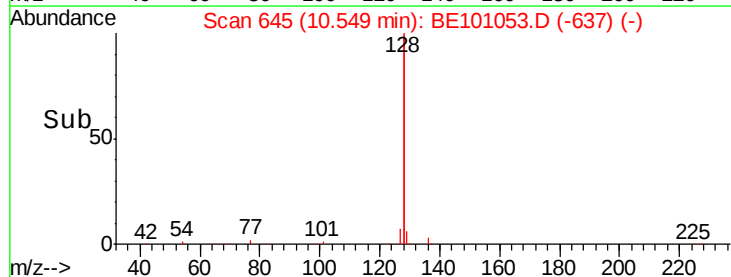
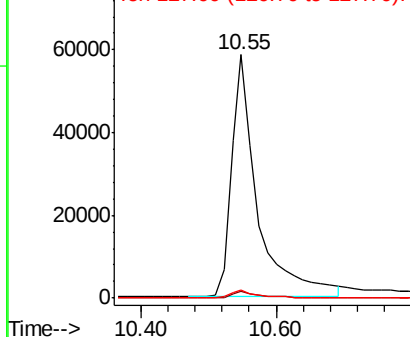
Lab File: BE101053.D

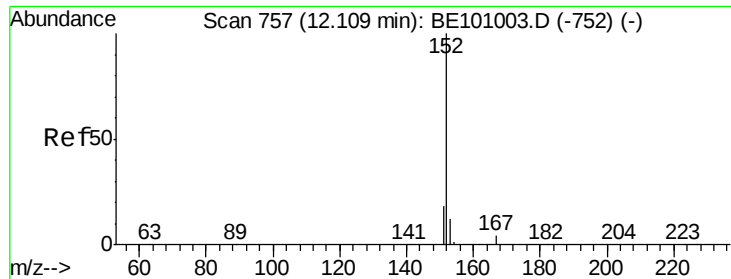
Acq: 14 Jan 2020 15:58

Tgt Ion:	128	Resp:	157233
Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.4	2.7	4.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





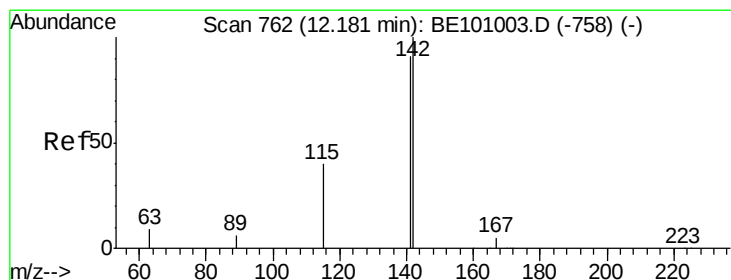
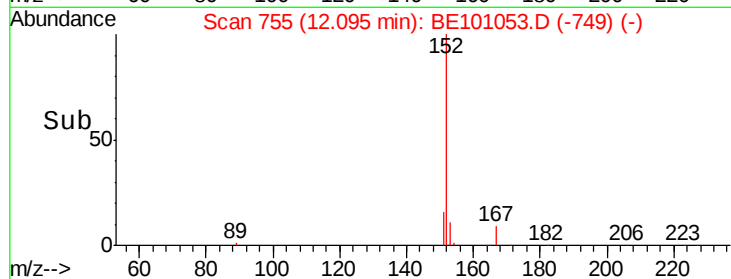
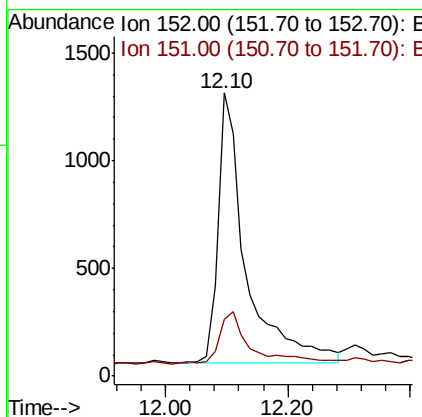
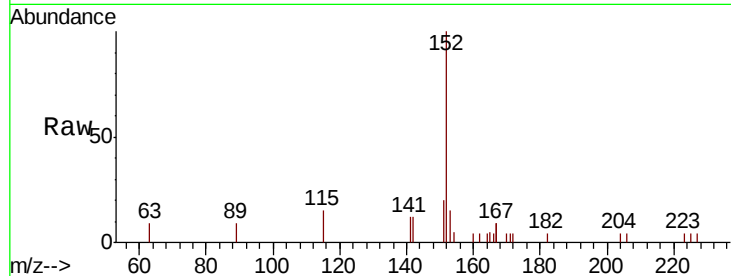
#11
2-Methylnaphthalene-d10
Concen: 0.111 ng
RT: 12.10 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.6

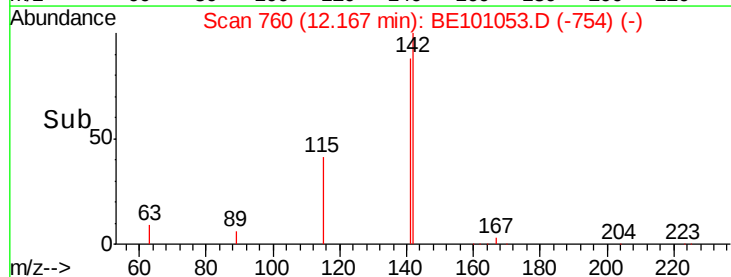
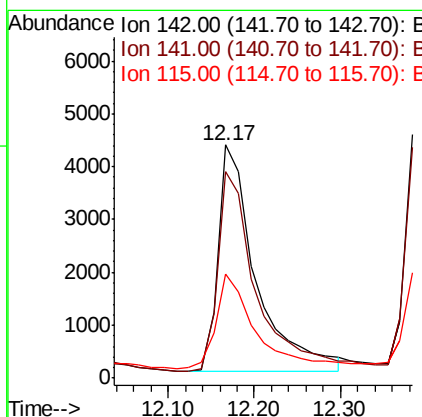
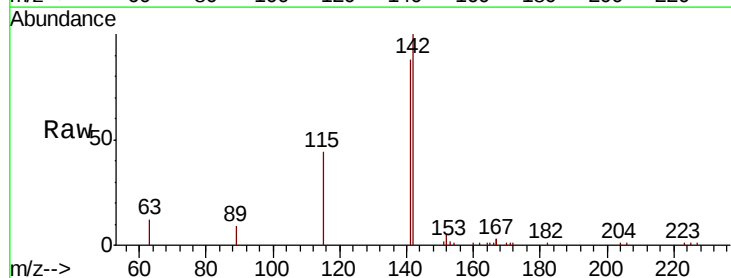
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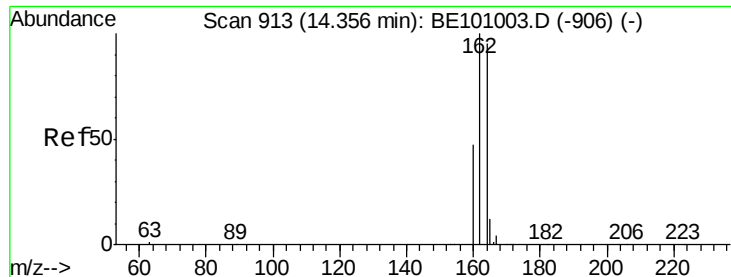
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#12
2-Methylnaphthalene
Concen: 0.418 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.5	108.7
115	44.5	33.0	49.6





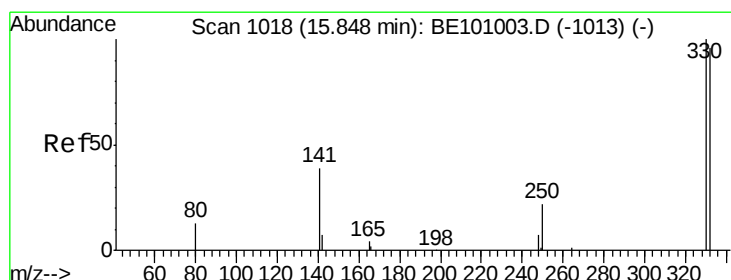
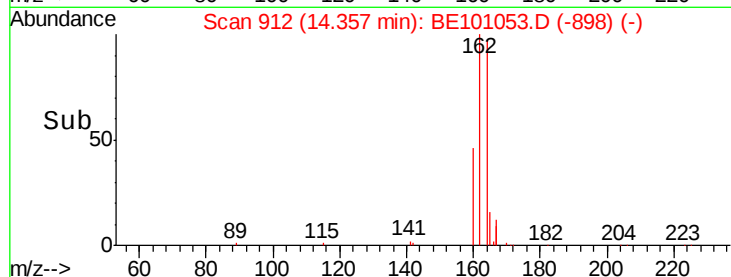
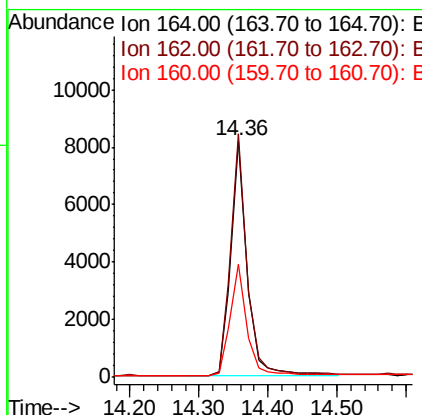
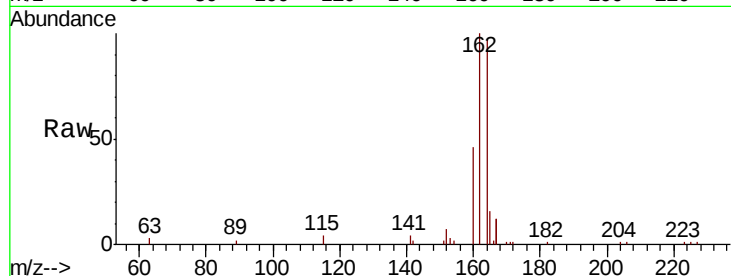
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	84.1	126.1
160	47.5	40.4	60.6

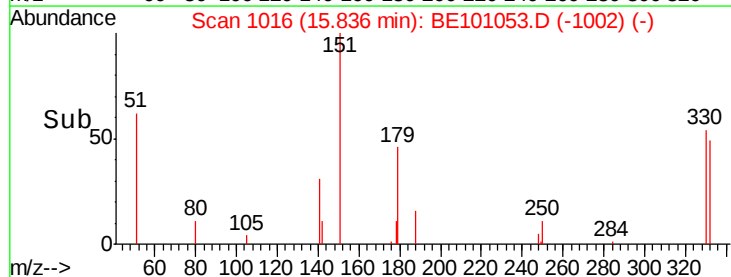
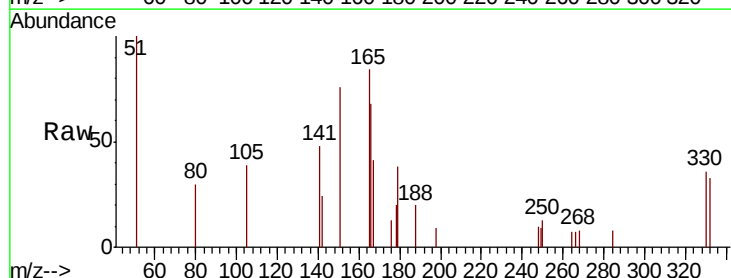
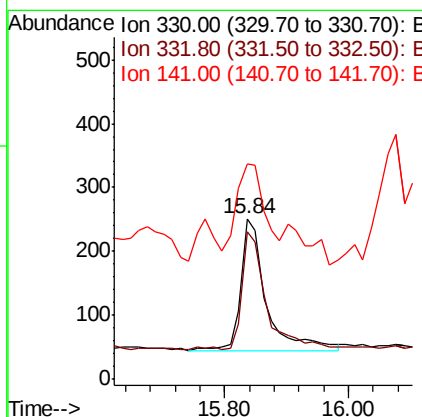
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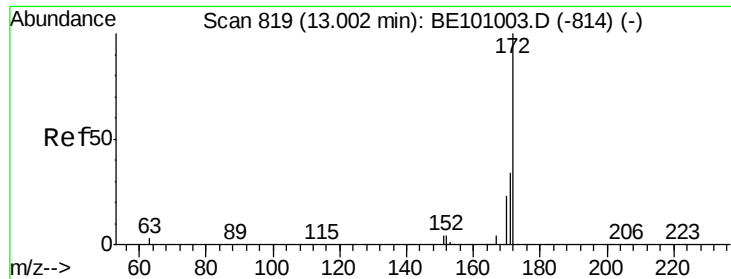
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#14
2,4,6-Tribromophenol
Concen: 0.155 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	86.0	78.4	117.6
141	70.9	37.0	55.4#





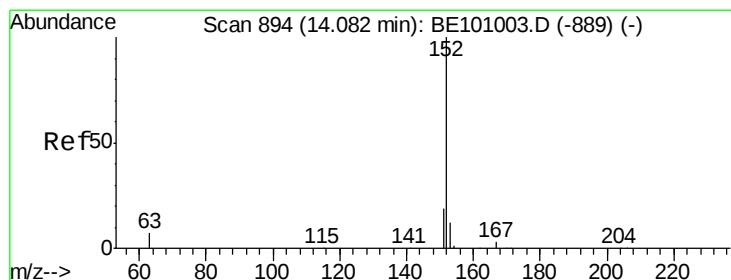
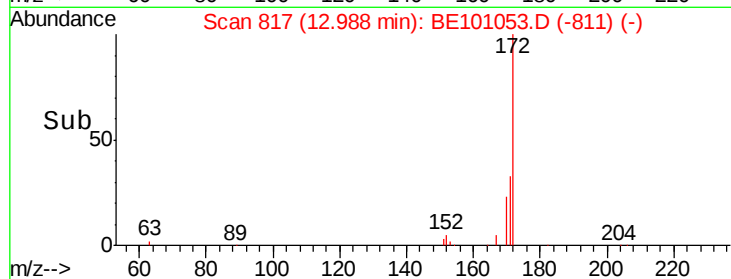
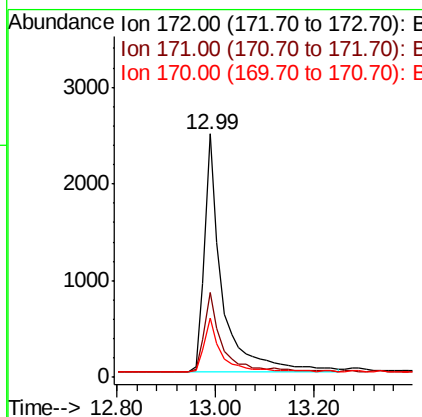
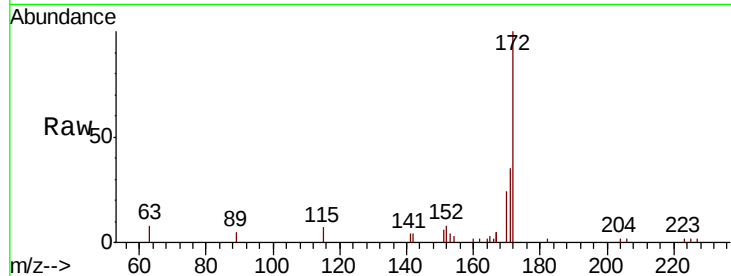
#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	24.2	18.9	28.3

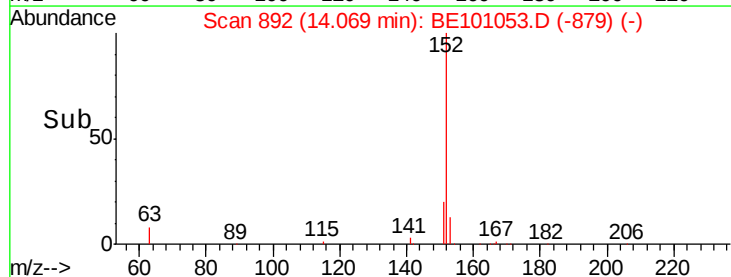
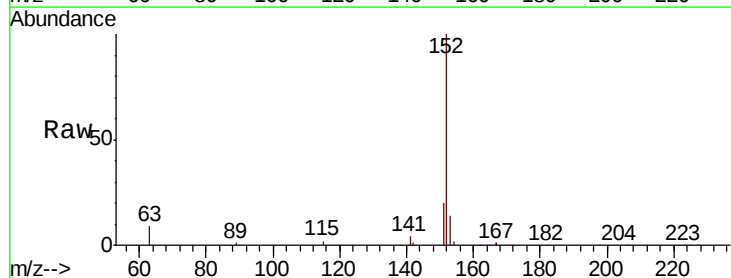
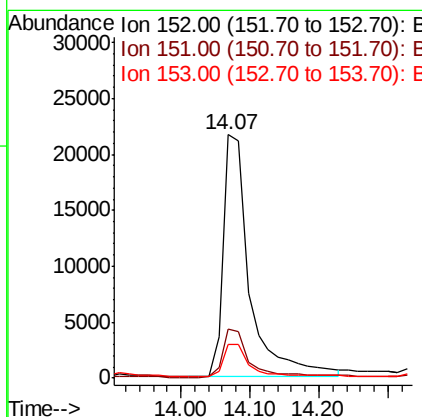
Manual Integrations
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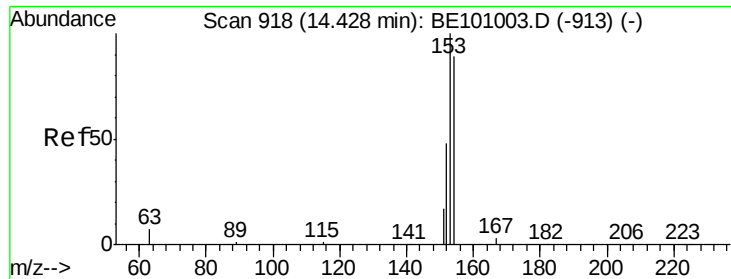
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#16
Acenaphthylene
Concen: 1.059 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.5	10.4	15.6





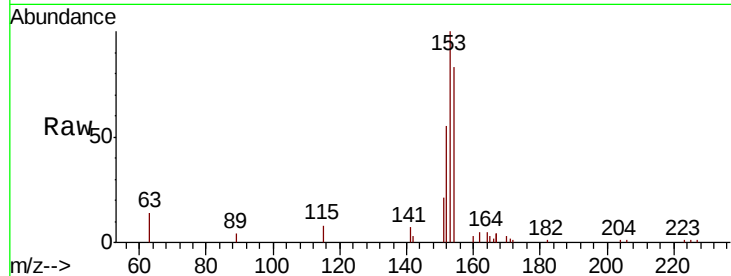
#17
Acenaphthene
Concen: 0.194 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.9	93.6	140.4
152	59.0	46.3	69.5

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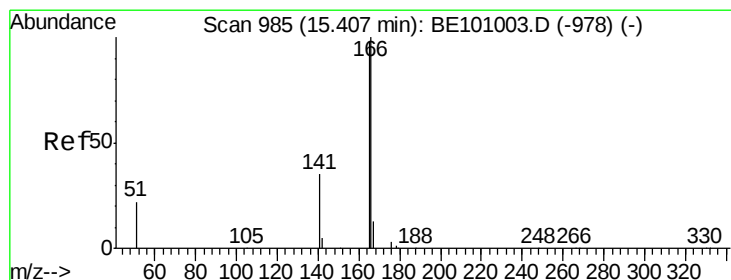
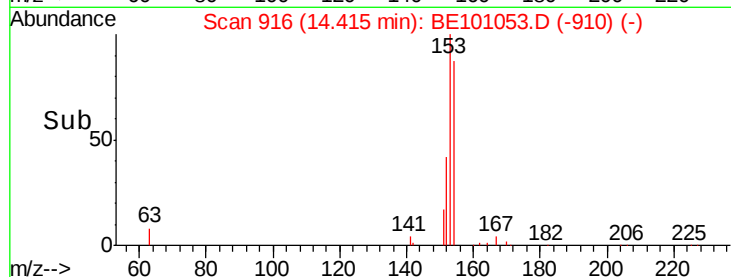
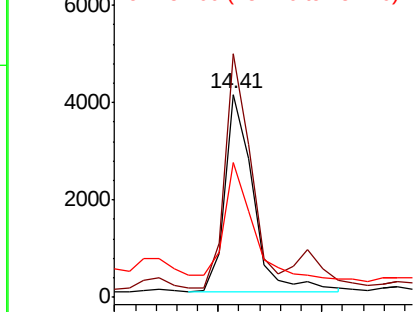


Abundance

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: 0.991 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

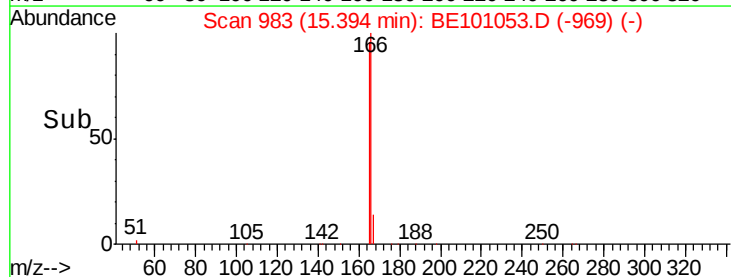
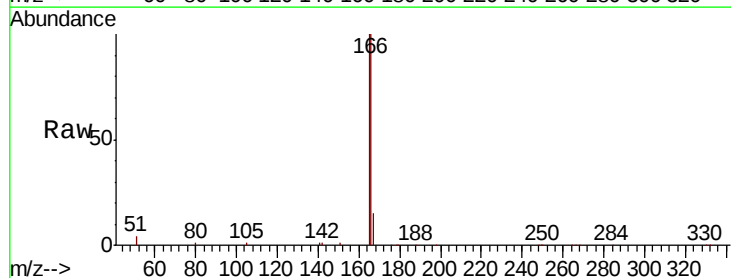
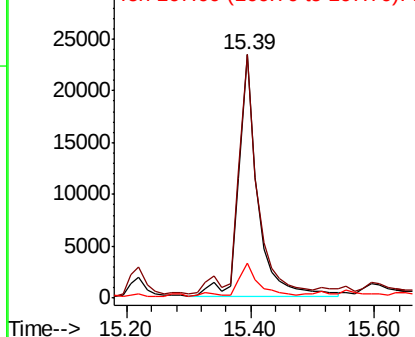
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	12.9	11.0	16.6

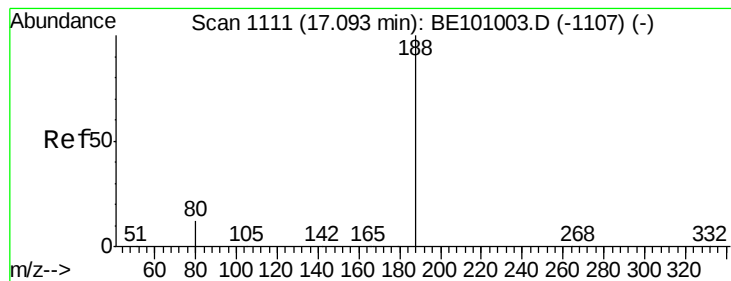
Abundance

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: BE101053.D

Acq: 14 Jan 2020 15:58

Instrument :

BNA_E

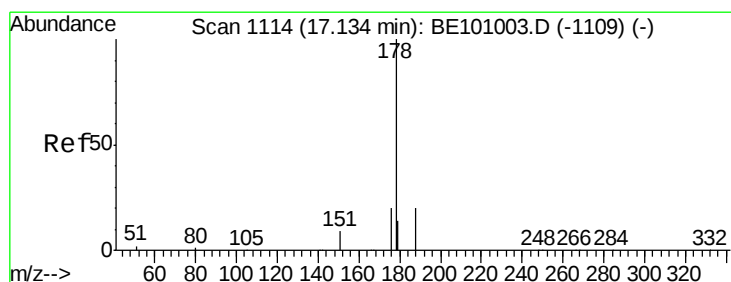
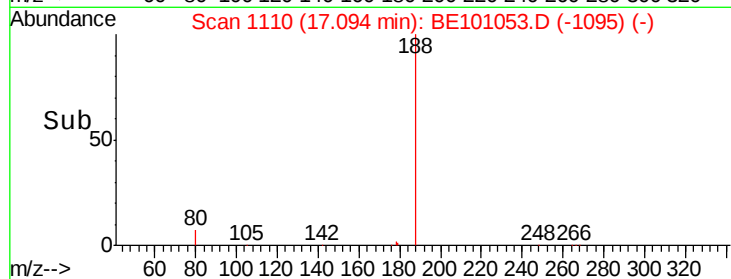
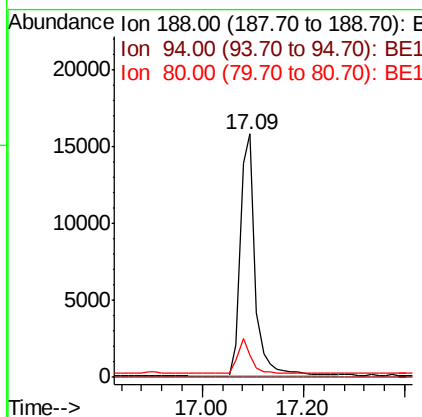
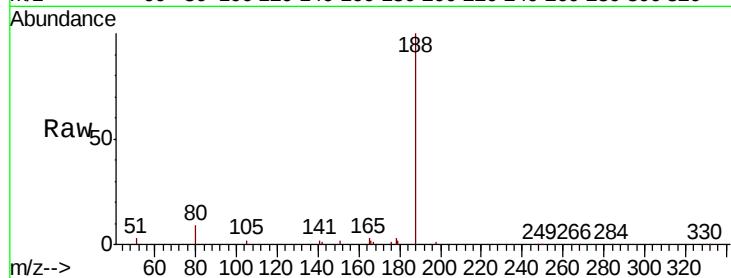
ClientSampleId :

SB-15(2-3.5)

Tot Ion:	188	Resp:	32150
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	10.8	16.2#

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#23

Phenanthrene

Concen: 4.193 ng

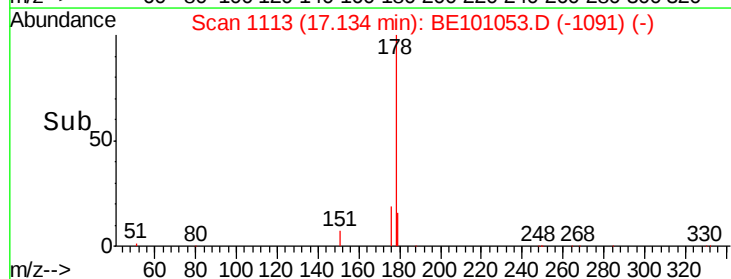
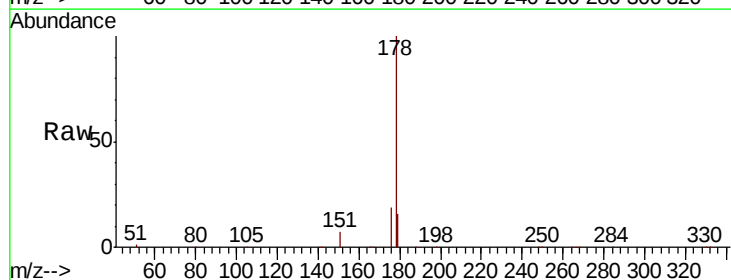
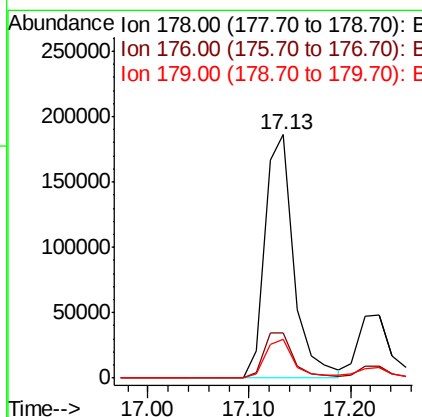
RT: 17.13 min Scan# 1113

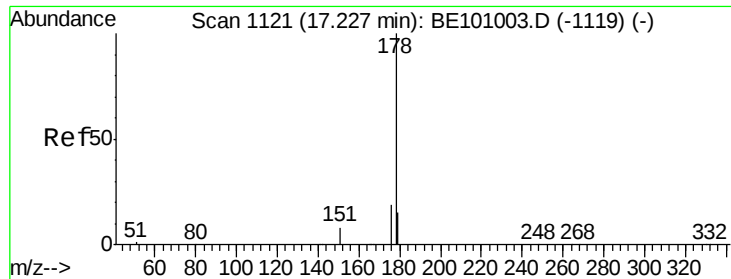
Delta R.T. 0.00 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Tgt Ion:	178	Resp:	368145
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.7	23.5
179	15.4	12.0	18.0





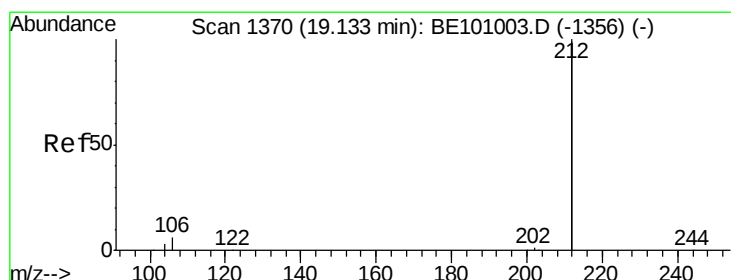
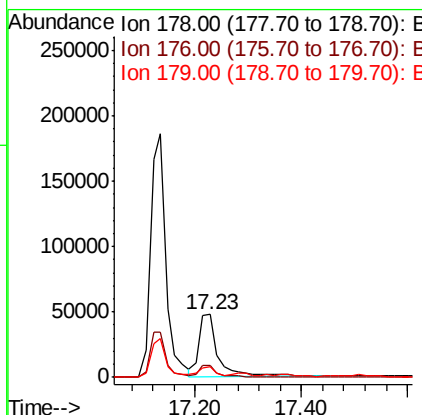
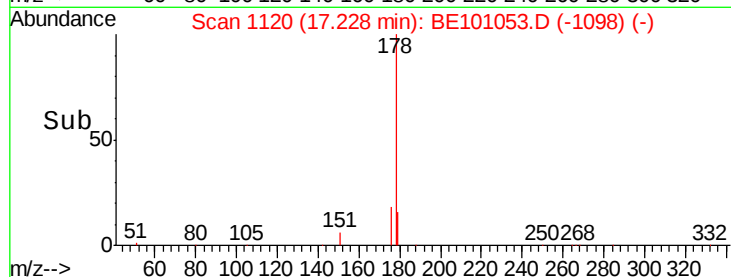
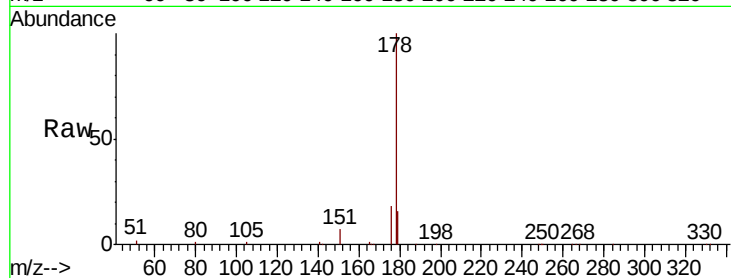
#24
 Anthracene
 Concen: 1.452 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion:178	Resp:	120279
Ion Ratio	Lower	Upper
178	100	
176	18.8	14.8 22.2
179	15.1	12.4 18.6

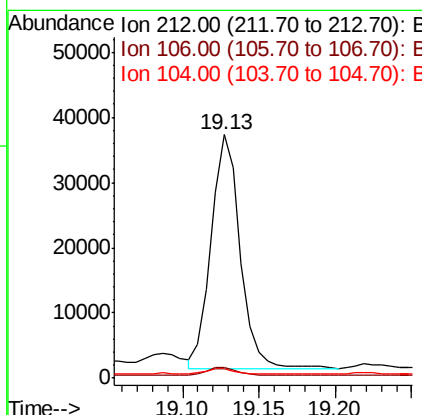
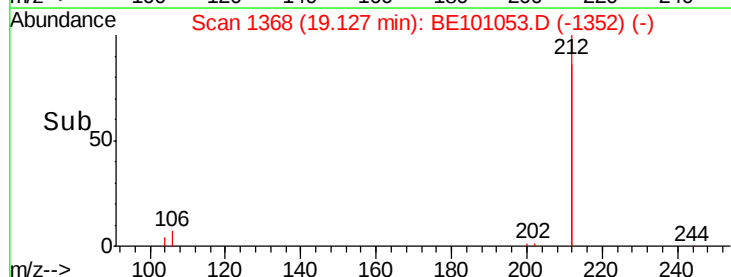
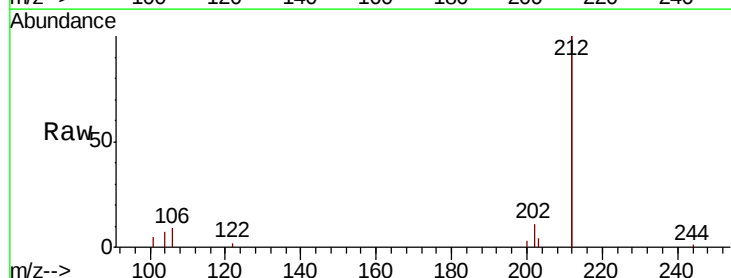
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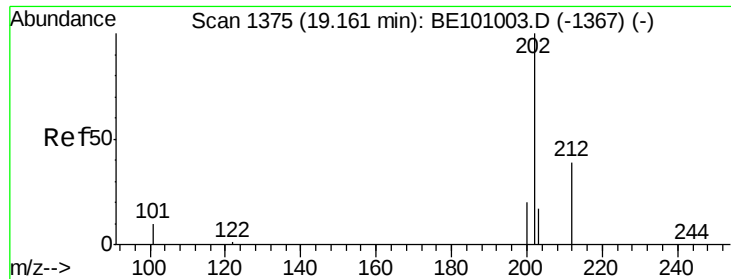
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.106 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Tgt Ion:212	Resp:	47545
Ion Ratio	Lower	Upper
212	100	
106	3.6	2.6 3.8
104	2.2	1.4 2.0#





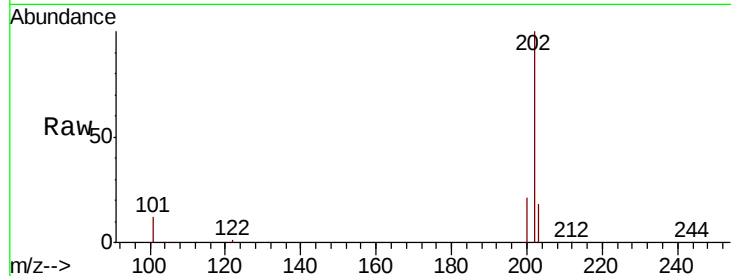
#26
Fluoranthene
Concen: 6.854 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	753525		
101	12.5		9.6	14.4
203	17.6		13.8	20.6

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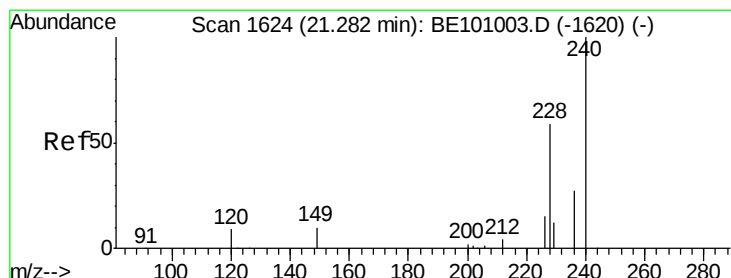
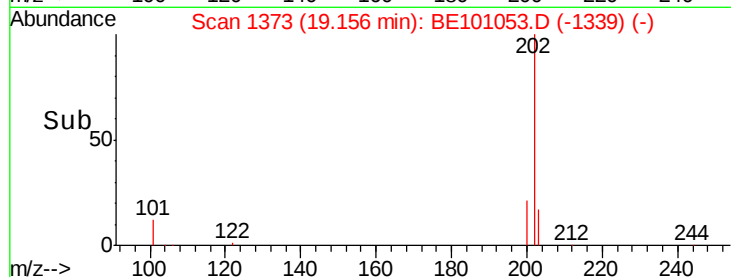
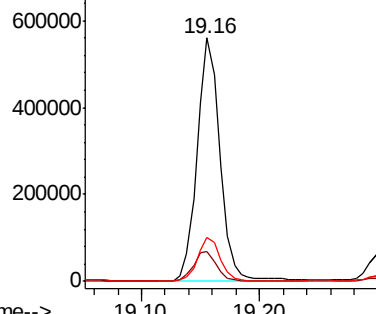


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

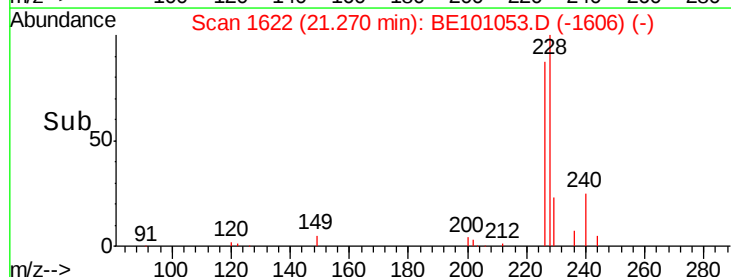
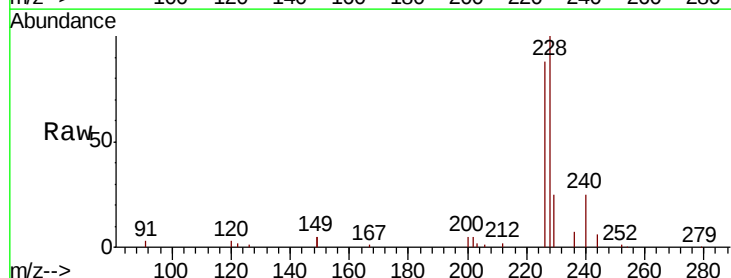
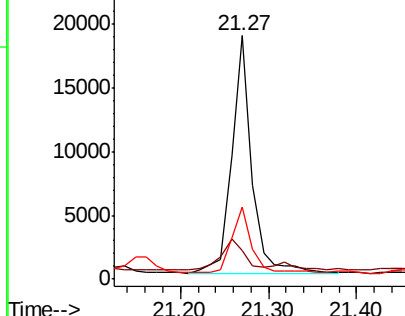
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29919		
120	11.6		8.6	13.0
236	29.6		22.2	33.4

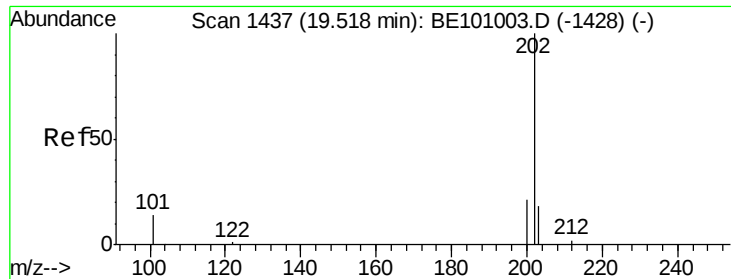
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





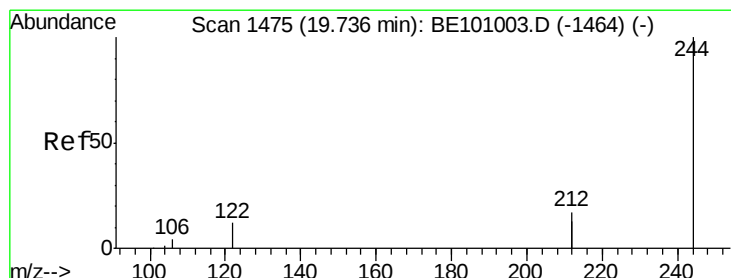
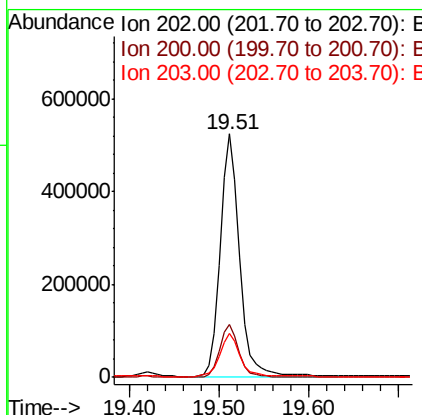
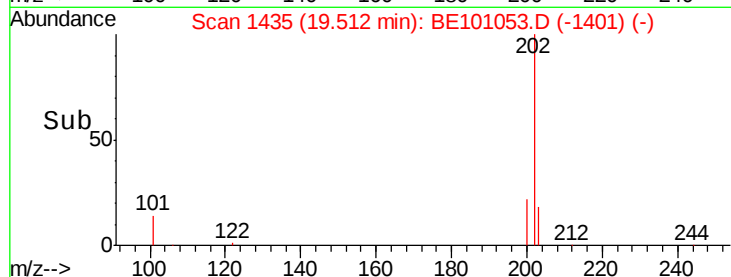
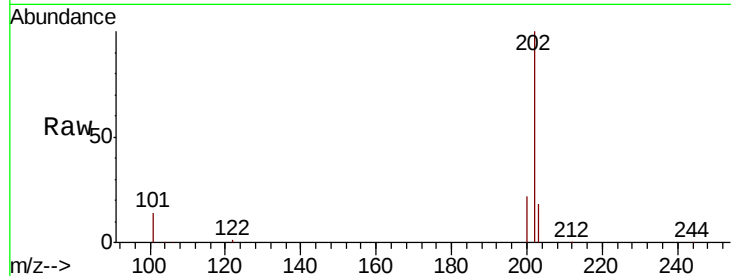
#28
Pvrene
Concen: 6.986 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampled :
SB-15(2-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6		17.0	25.4
203	18.9		13.8	20.6

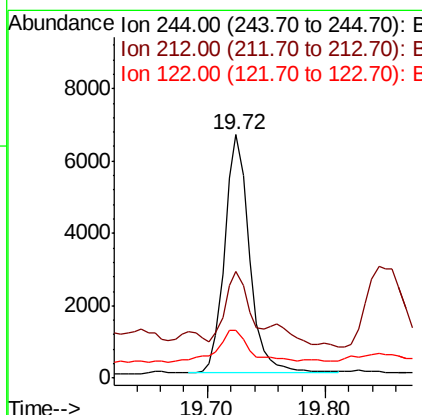
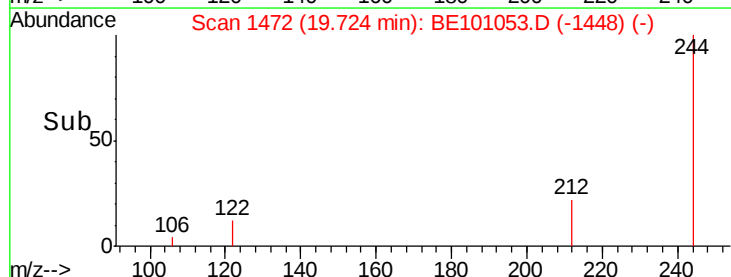
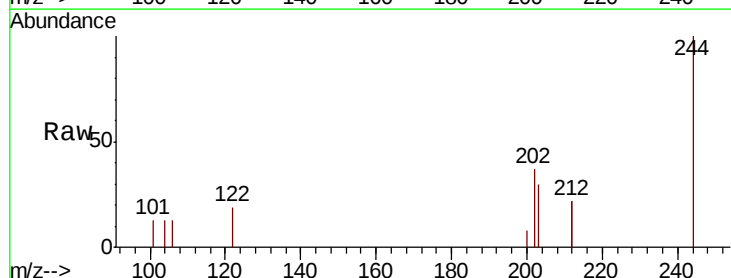
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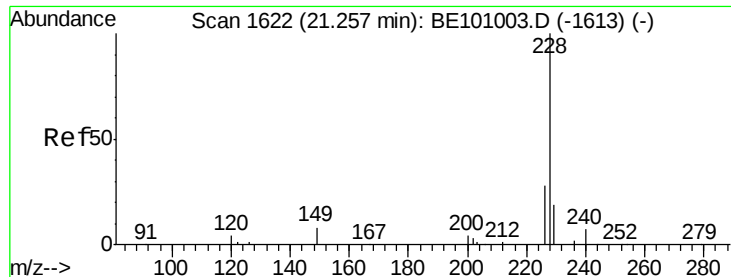
mohammad
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#29
Terphenyl-d14
Concen: 0.131 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	43.9		27.2	40.8#
122	19.5		9.8	14.8#





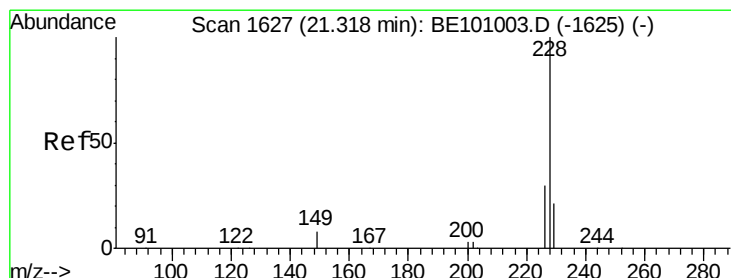
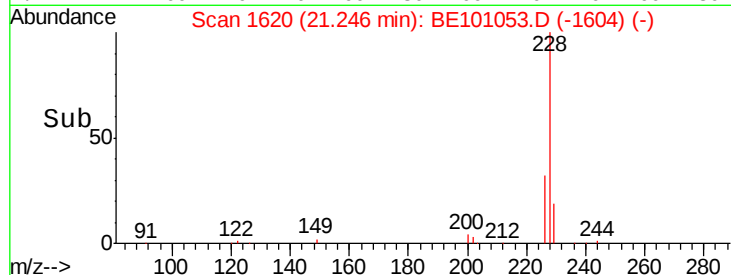
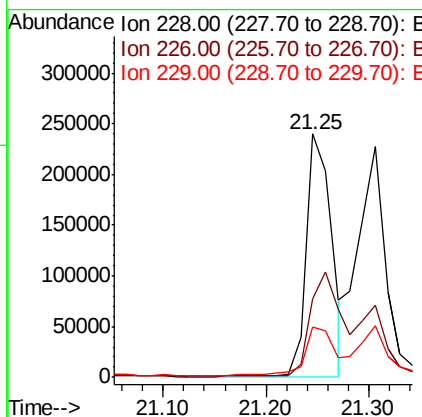
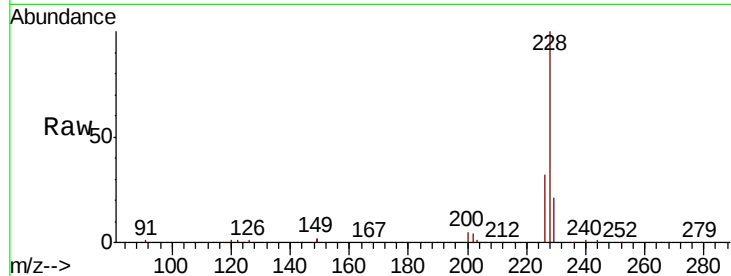
#30
Benzo(a)anthracene
Concen: 4.784 ng
RT: 21.25 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Instrument :
BNA_E
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.7	34.1
229	20.6	15.5	23.3

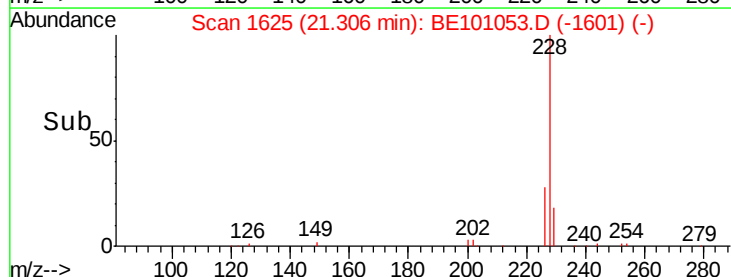
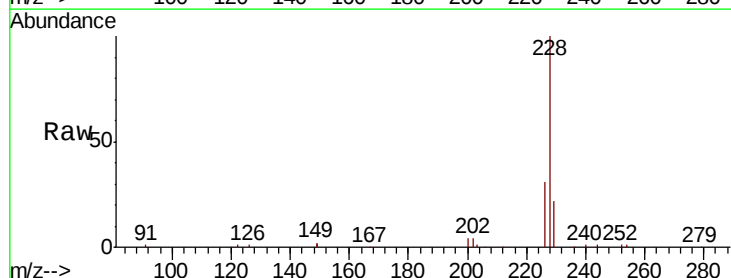
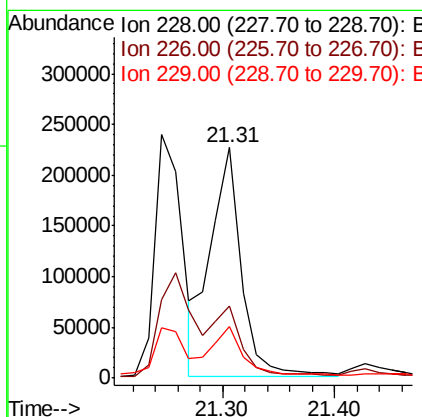
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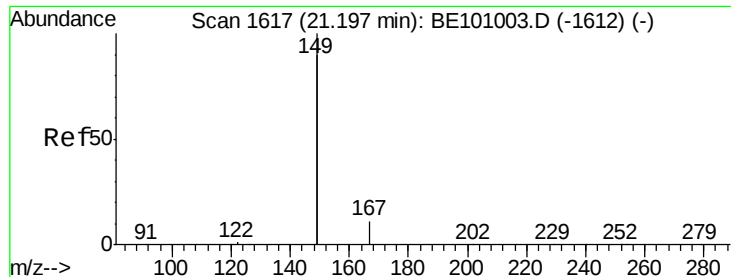
mohammad
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#31
Chrysene
Concen: 3.421 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101053.D
Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.5	35.3
229	22.1	16.7	25.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

RT: 21.20 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Instrument :

BNA_E

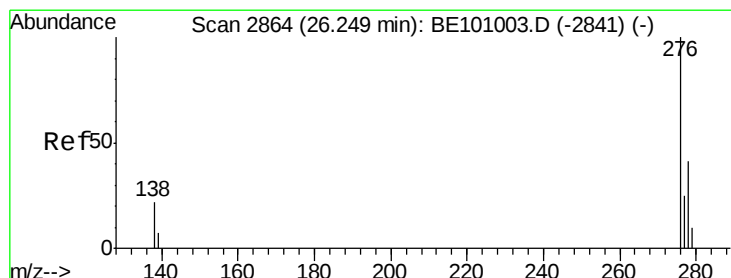
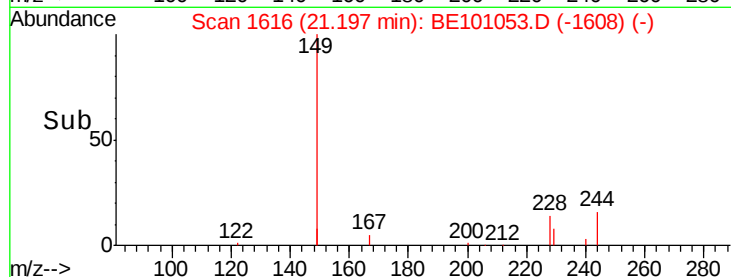
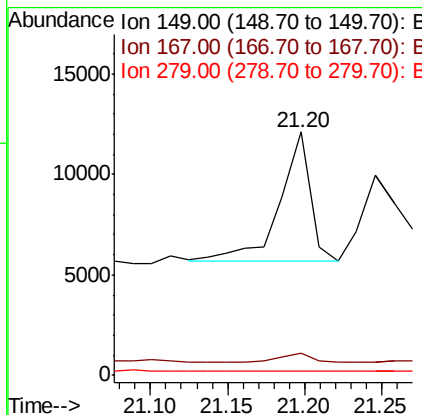
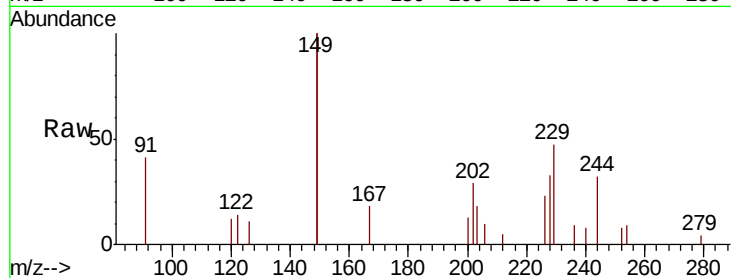
ClientSampleId :

SB-15(2-3.5)

Tot Ion:	149	Resp:	8906
Ion Ratio	Lower	Upper	
149	100		
167	8.0	5.2	7.8#
279	0.8	0.8	1.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.319 ng

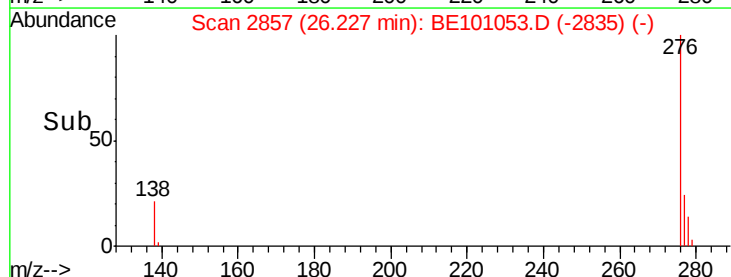
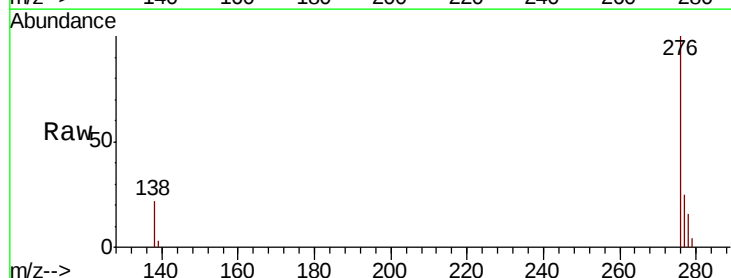
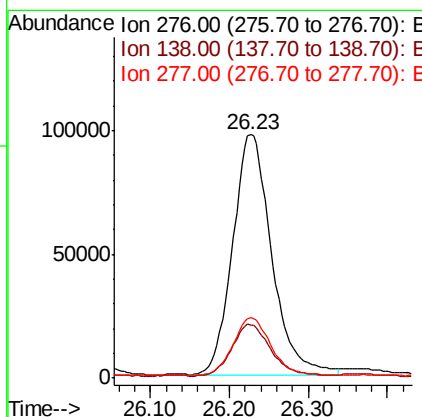
RT: 26.23 min Scan# 2857

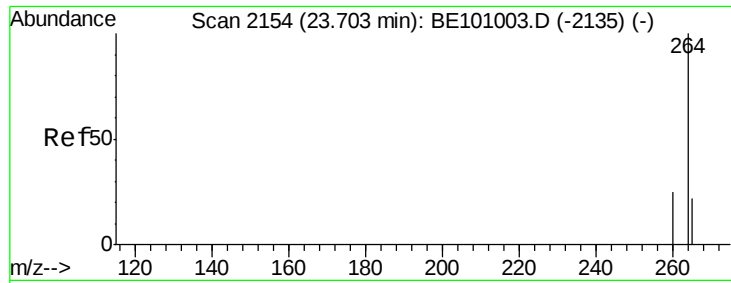
Delta R.T. -0.02 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Tgt Ion:	276	Resp:	332726
Ion Ratio	Lower	Upper	
276	100		
138	21.3	16.1	24.1
277	22.7	18.1	27.1





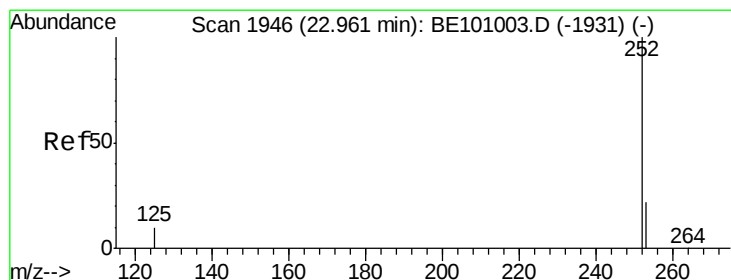
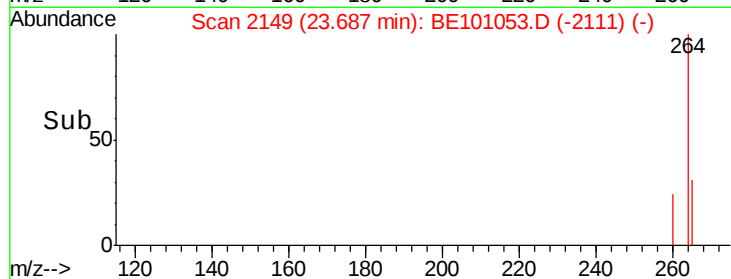
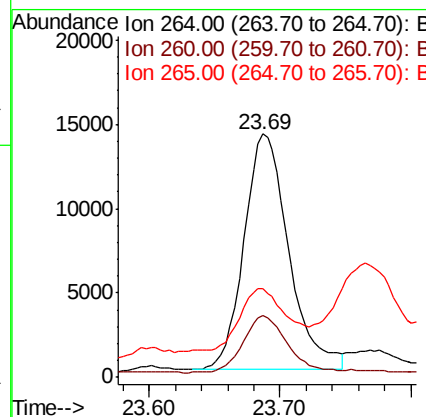
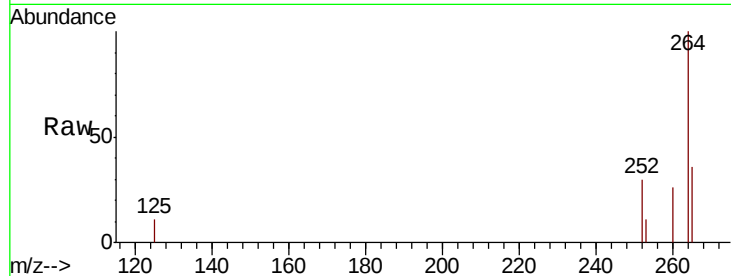
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2149
 Delta R.T. -0.02 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.3	30.5
265	36.3	27.0	40.4

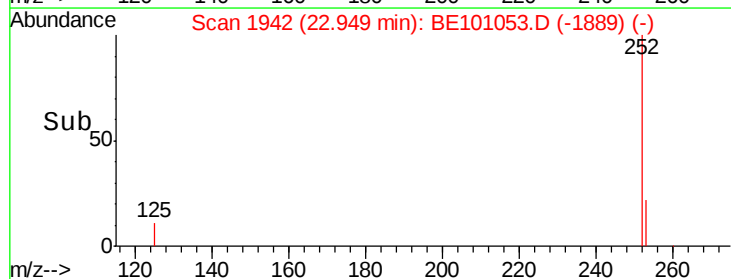
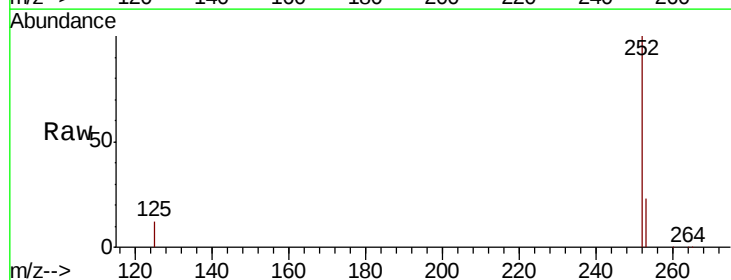
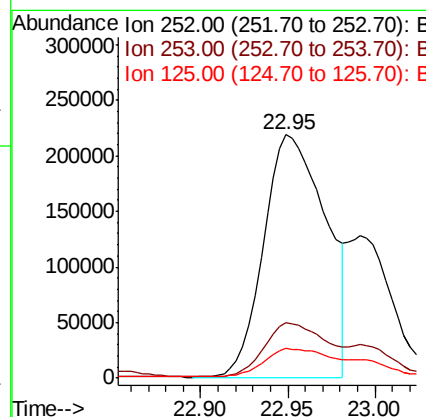
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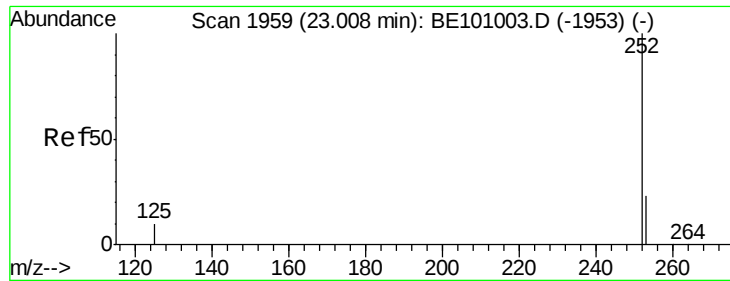
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 5.820 ng
 RT: 22.95 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	12.1	9.5	14.3





#36

Benzo(k)fluoranthene

Concen: 1.706 ng/mL

RT: 22.99 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Instrument :

BNA_E

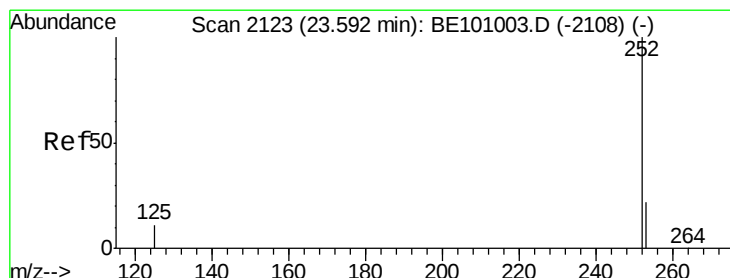
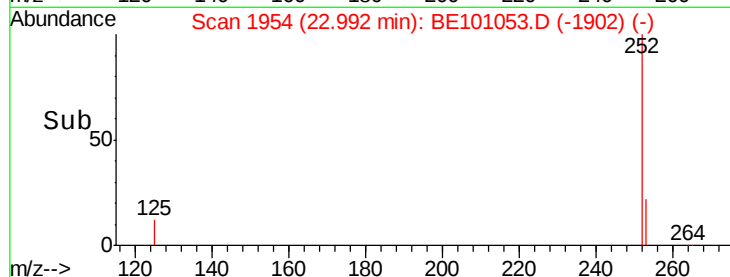
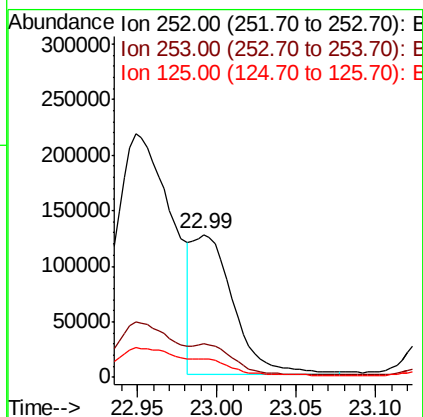
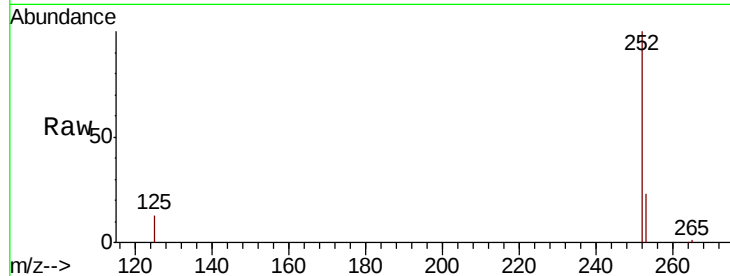
ClientSampleId :

SB-15(2-3.5)

Tot Ion:	252	Resp:	229239
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.9	28.3
125	13.0	10.1	15.1

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 4.469 ng/mL

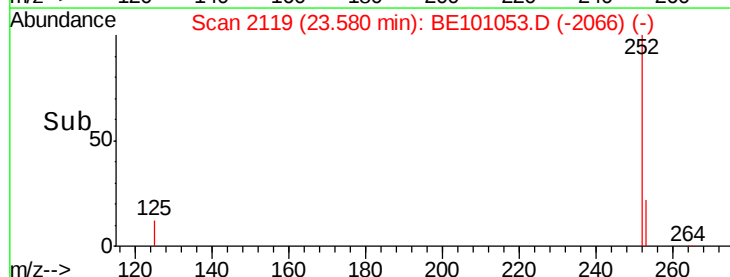
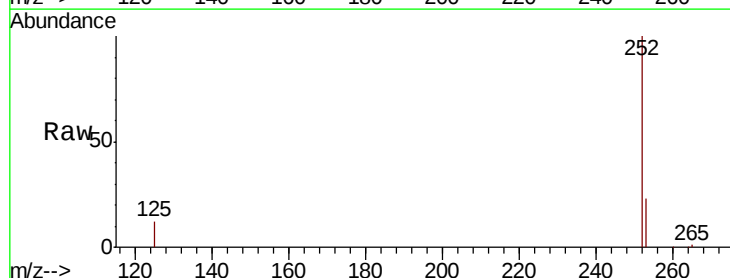
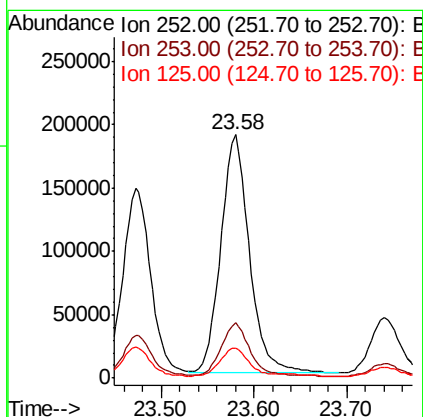
RT: 23.58 min Scan# 2119

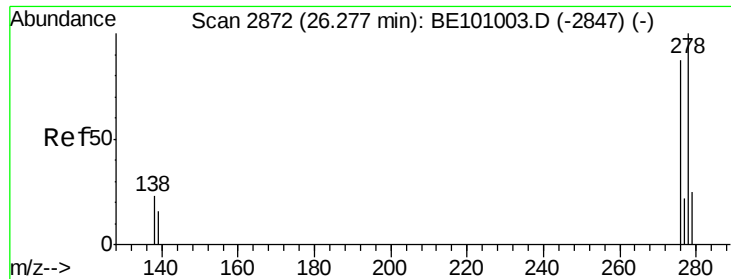
Delta R.T. -0.01 min

Lab File: BE101053.D

Acq: 14 Jan 2020 15:58

Tgt Ion:	252	Resp:	400924
Ion Ratio	Lower	Upper	
252	100		
253	22.5	19.4	29.2
125	12.2	11.8	17.6





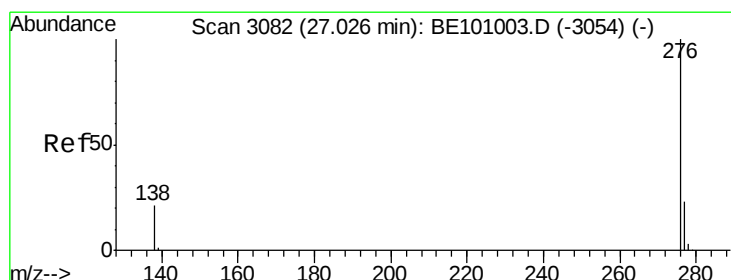
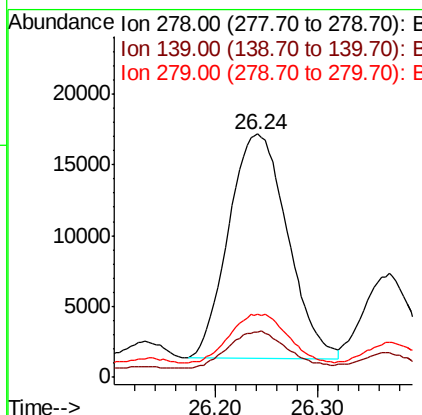
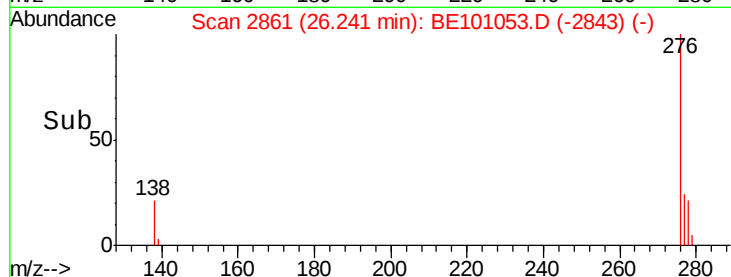
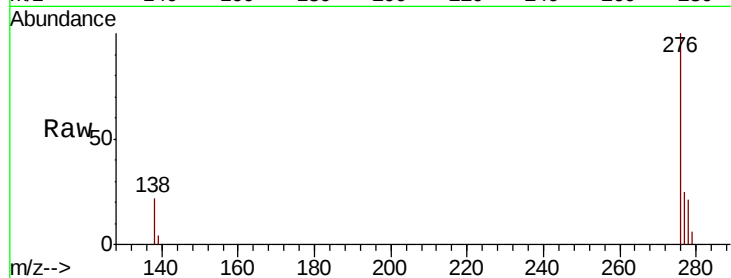
#38
 Dibenzo(a,h)anthracene
 Concen: 0.768 ng
 RT: 26.24 min Scan# 2861
 Delta R.T. -0.04 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.0	22.4
279	25.8	22.6	33.8

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:51:23 AM



#39
 Benzo(g,h,i)perylene
 Concen: 4.074 ng
 RT: 27.00 min Scan# 3075
 Delta R.T. -0.02 min
 Lab File: BE101053.D
 Acq: 14 Jan 2020 15:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	22.7	17.9	26.9

