

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
 Data File : BE101055.D
 Acq On : 14 Jan 2020 17:12
 Operator : JU
 Sample : L1103-04 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-17(2-4)

Manual Integrations
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mohammad
 1/21/2020 7:51:29 AM

Quant Time: Jan 14 22:36:09 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	3655	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	18686	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	13149	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	31021	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	33725	0.40	ng	-0.01
34) Perylene-d12	23.69	264	33324	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	376	0.05	ng	0.00
5) Phenol-d6	6.92	99	426	0.04	ng	0.00
8) Nitrobenzene-d5	8.90	82	528	0.04	ng	0.03
11) 2-Methylnaphthalene-d10	12.11	152	1284	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	193	0.05	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	1982	0.04	ng	-0.01
25) Fluoranthene-d10	19.12	212	13163	0.03	ng	-0.01
29) Terphenyl-d14	19.72	244	2797	0.03	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.55	128	105144	0.507	ng	100
12) 2-Methylnaphthalene	12.18	142	4220	0.134	ng	# 91
16) Acenaphthylene	14.08	152	67368	1.258	ng	100
17) Acenaphthene	14.41	154	1882	0.049	ng	# 83
18) Fluorene	15.39	166	19006	0.392	ng	93
23) Phenanthrene	17.13	178	676597	7.987	ng	99
24) Anthracene	17.22	178	109011m	1.364	ng	
26) Fluoranthene	19.15	202	1684756	15.881	ng	98
28) Pyrene	19.51	202	2194685	17.482	ng	97
30) Benzo(a)anthracene	21.26	228	712363m	7.402	ng	
31) Chrysene	21.31	228	600329	4.197	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	14288	0.089	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.23	276	852354	7.543	ng	99
35) Benzo(b)fluoranthene	22.95	252	1070941m	11.459	ng	
36) Benzo(k)fluoranthene	22.99	252	365528m	2.699	ng	
37) Benzo(a)pyrene	23.58	252	922612	10.205	ng	96
38) Dibenzo(a,h)anthracene	26.24	278	101962	1.226	ng	94
39) Benzo(a,h,i)perylene	27.02	276	1070222	10.466	ng	99

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

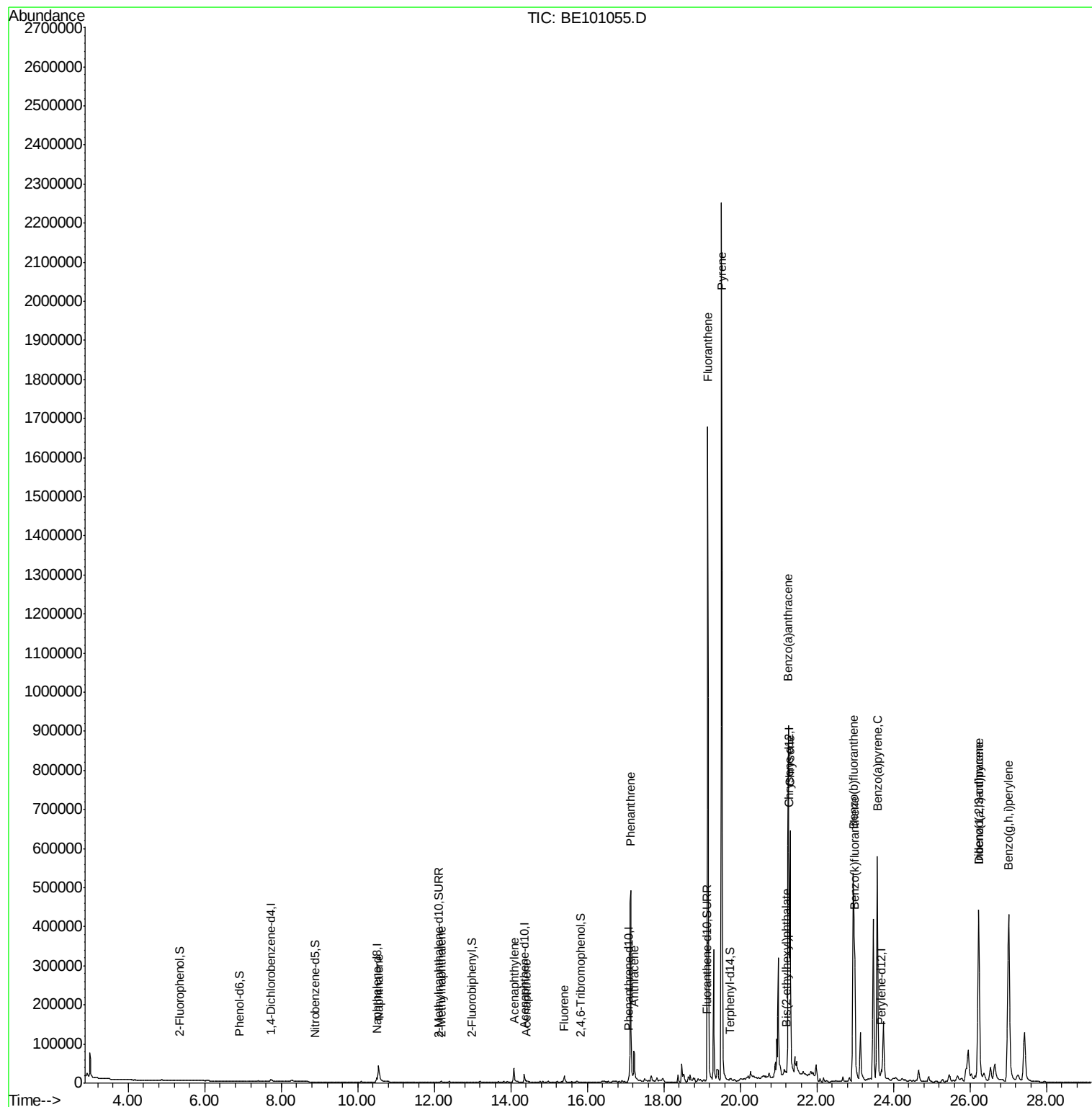
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011420\
Data File : BE101055.D
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Operator : JU
Sample : L1103-04 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

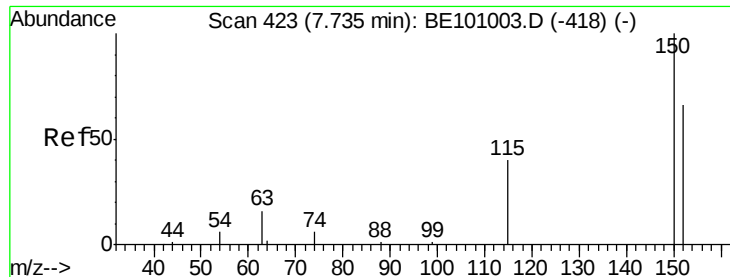
Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

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Quant Time: Jan 14 22:36:09 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Instrument :

BNA_E

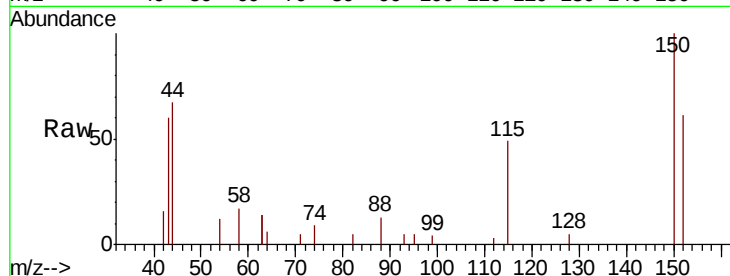
ClientSampleId :

SB-17(2-4)

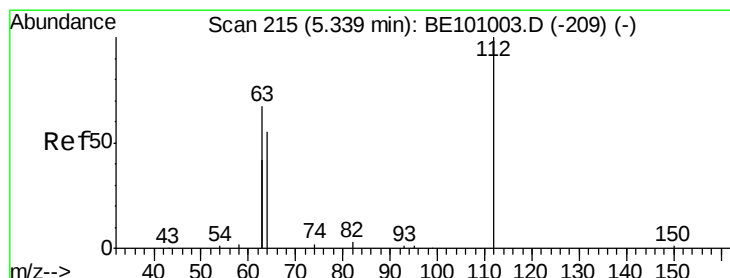
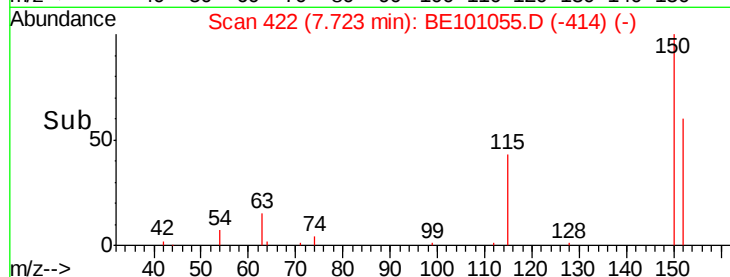
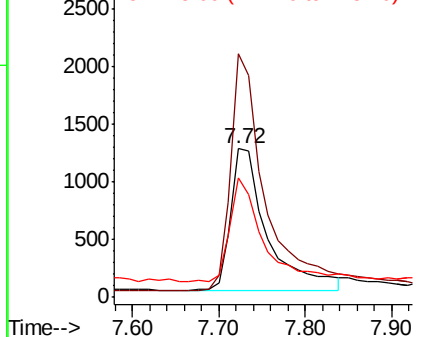
Tot Ion:	152	Resp:	3655
Ion	Ratio	Lower	Upper
152	100		
150	164.0	120.3	180.5
115	80.4	51.7	77.5#

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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: 0.046 ng

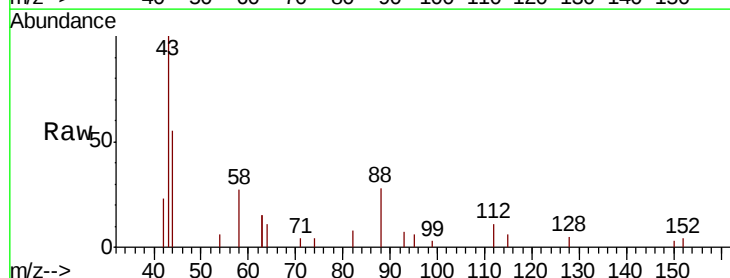
RT: 5.34 min Scan# 215

Delta R.T. -0.00 min

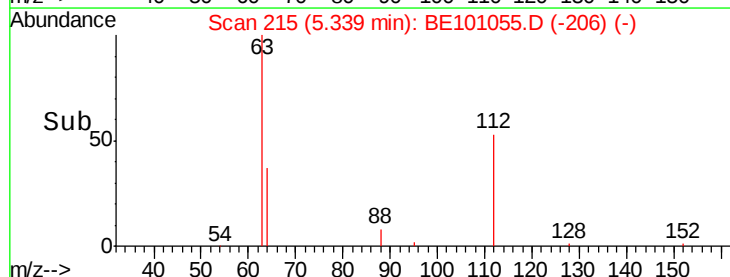
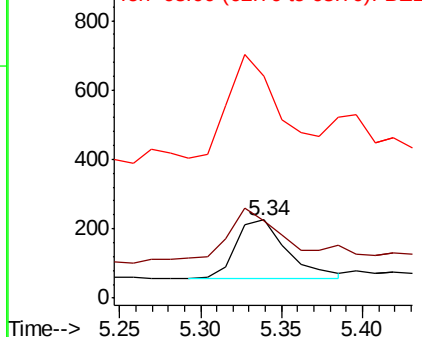
Lab File: BE101055.D

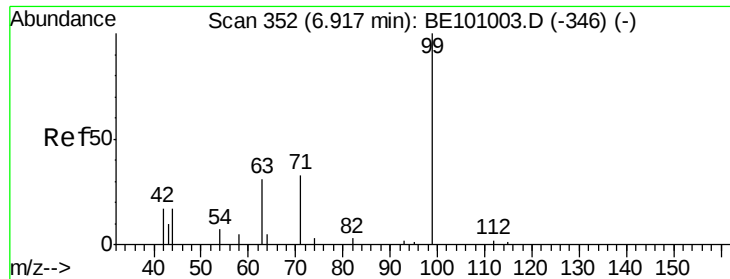
Acq: 14 Jan 2020 17:12

Tgt Ion:	112	Resp:	376
Ion	Ratio	Lower	Upper
112	100		
64	100.0	53.6	80.4#
63	175.0	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: 0.041 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.00 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Instrument :

BNA_E

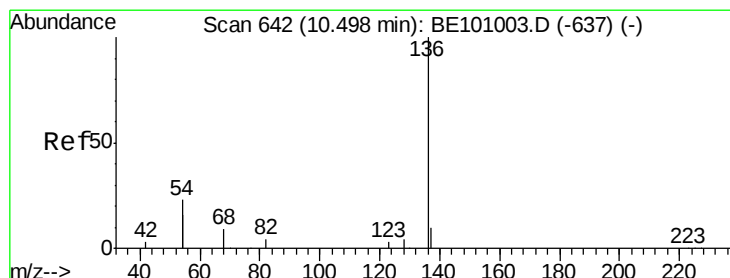
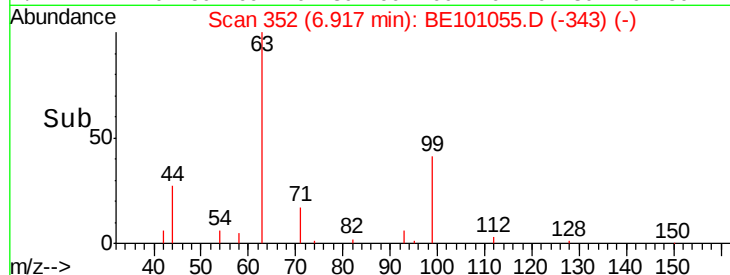
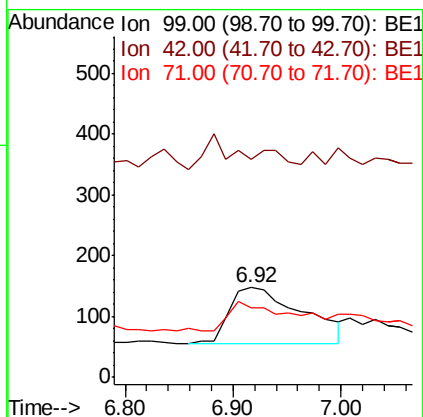
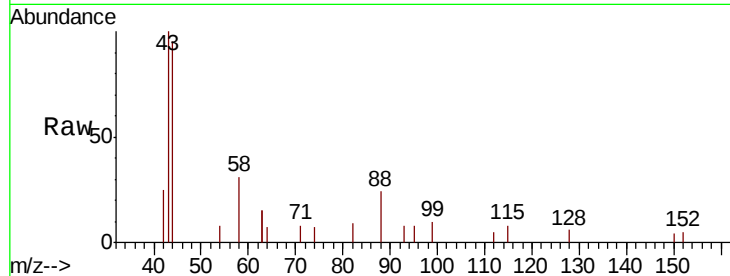
ClientSampled :

SB-17(2-4)

Tot Ion:	99	Resp:	426
Ion Ratio	Lower	Upper	
99	100		
42	0.0	18.3	27.5#
71	44.4	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

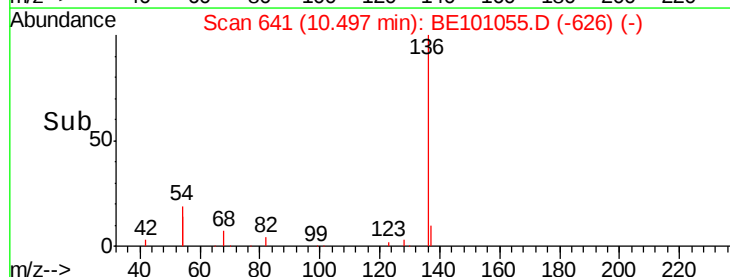
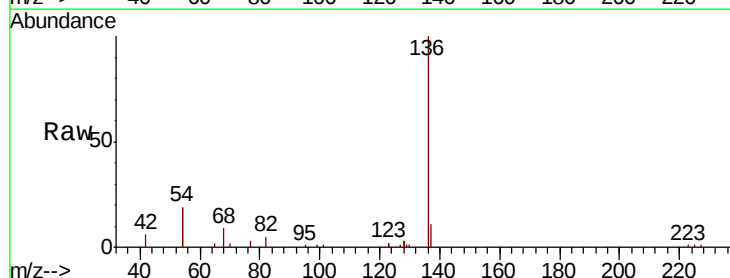
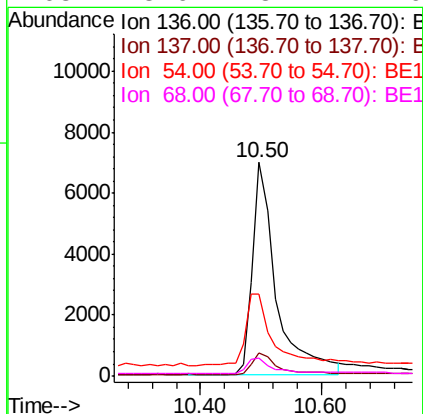
RT: 10.50 min Scan# 641

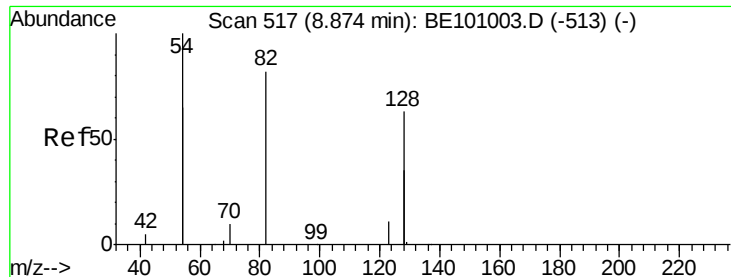
Delta R.T. -0.00 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Tgt Ion:	136	Resp:	18686
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.3	13.9
54	38.6	36.8	55.2
68	8.6	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.040 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.03 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Instrument :

BNA_E

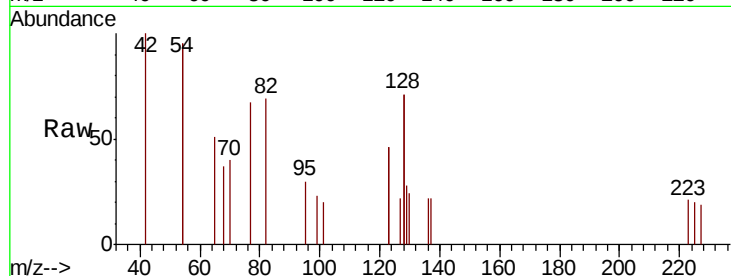
ClientSampleId :

SB-17(2-4)

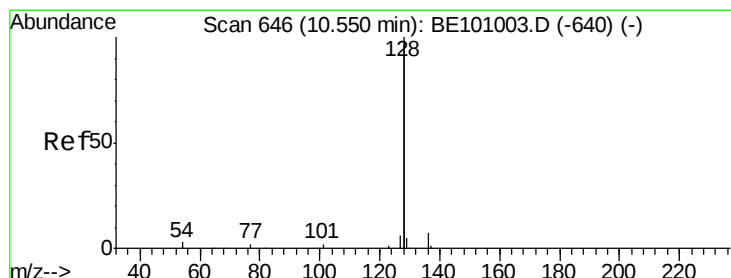
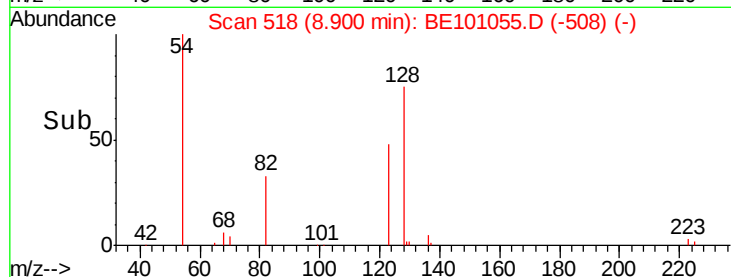
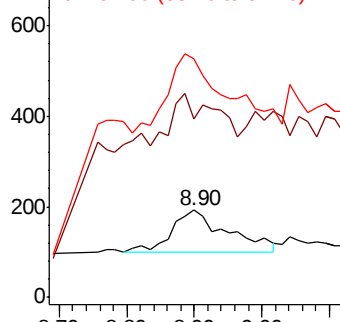
Tot Ion:	82	Resp:	528
Ion	Ratio	Lower	Upper
82	100		
128	204.1	109.8	164.6#
54	273.6	174.5	261.7#

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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: 0.507 ng

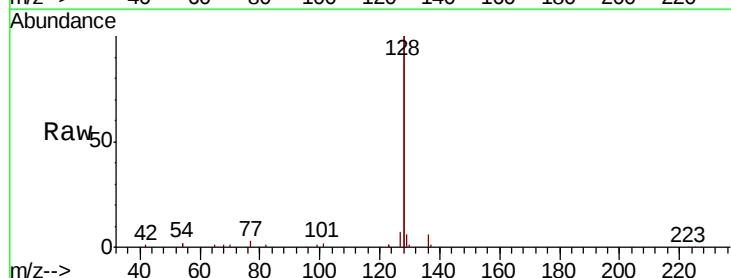
RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

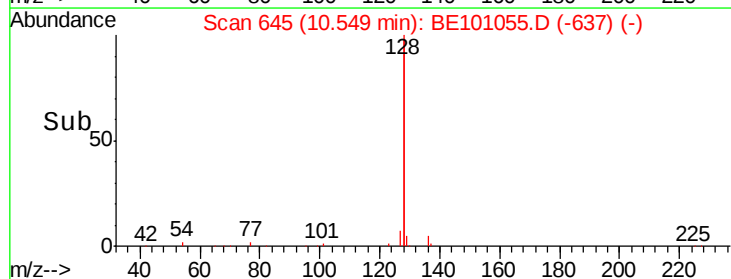
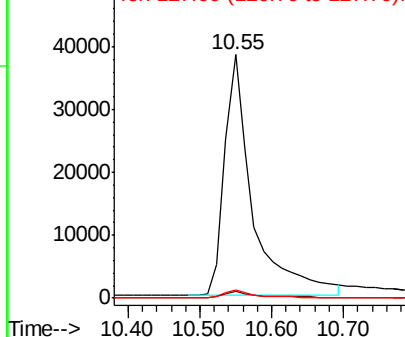
Lab File: BE101055.D

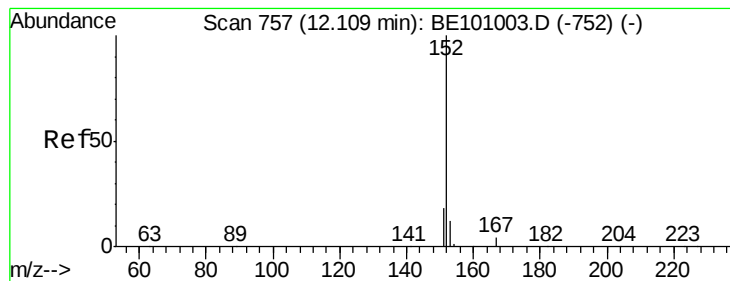
Acq: 14 Jan 2020 17:12

Tgt Ion:	128	Resp:	105144
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





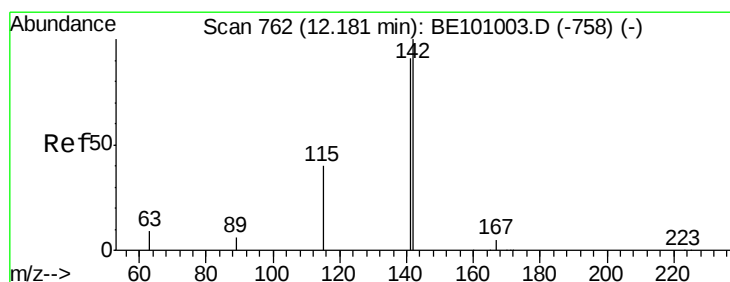
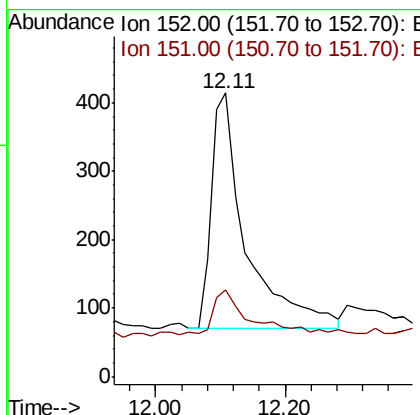
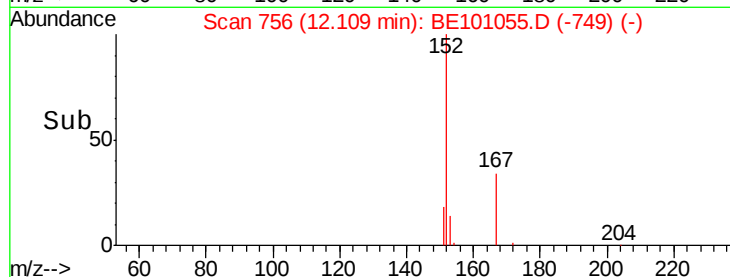
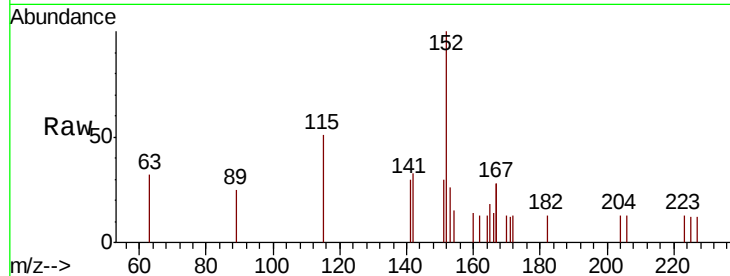
#11
2-Methylnaphthalene-d10
Concen: 0.036 ng
RT: 12.11 min Scan# 756
Delta R.T. 0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	21.0	15.0	22.6	

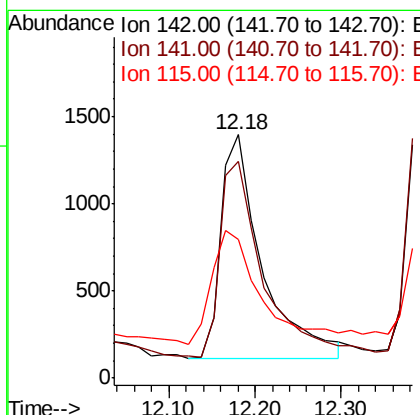
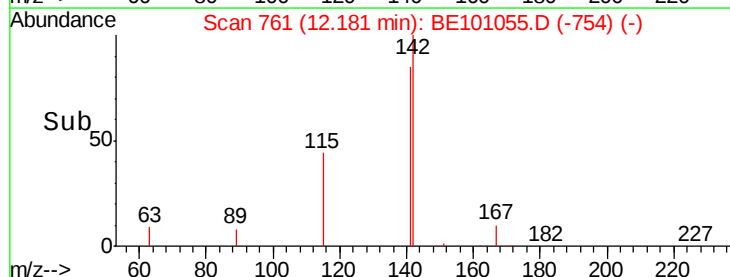
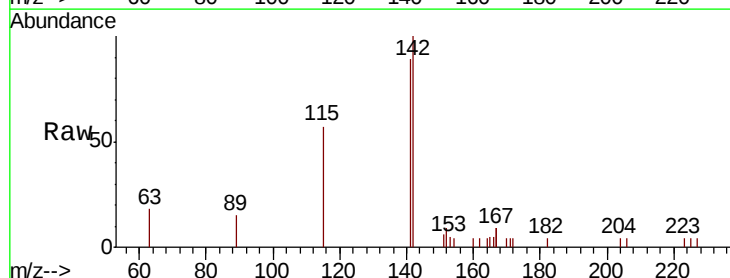
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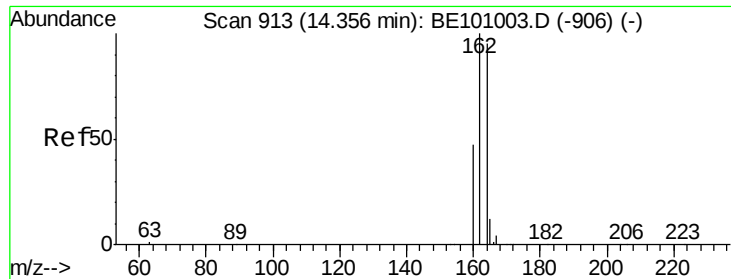
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#12
2-Methylnaphthalene
Concen: 0.134 ng
RT: 12.18 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
142	100			
141	88.9	72.5	108.7	
115	56.9	33.0	49.6	





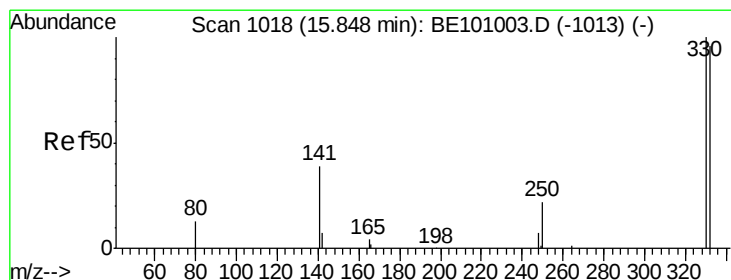
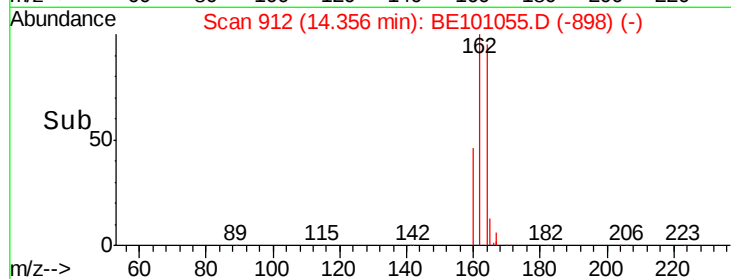
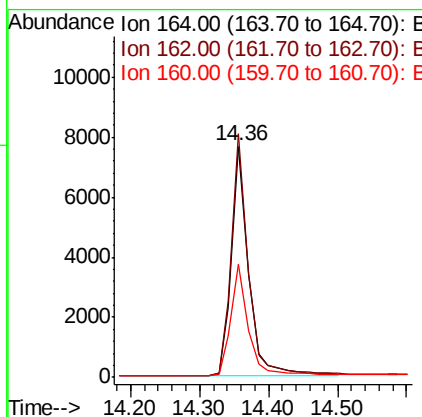
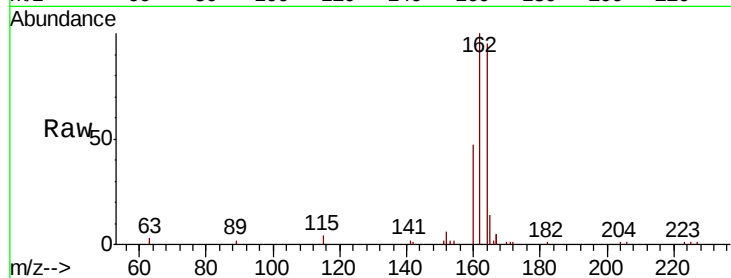
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	84.1	126.1
160	49.1	40.4	60.6

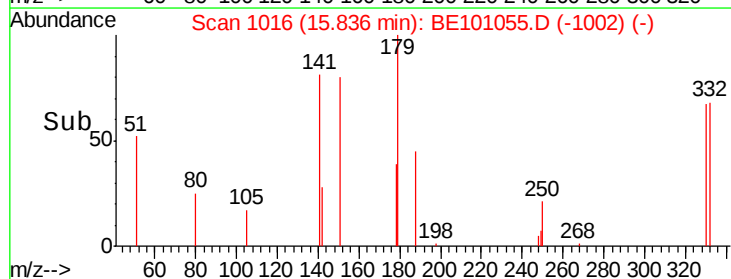
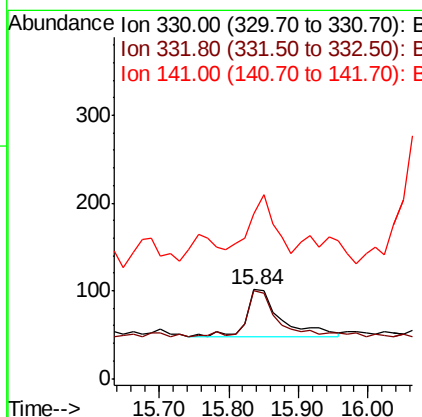
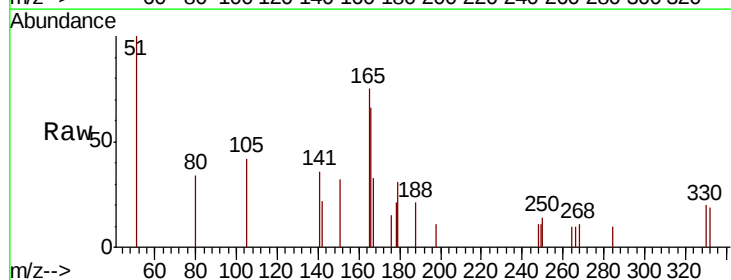
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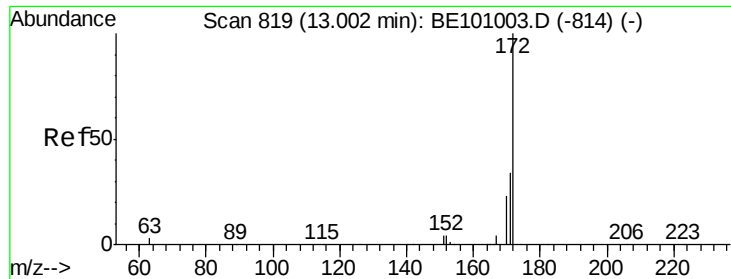
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#14
2,4,6-Tribromophenol
Concen: 0.052 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	78.8	78.4	117.6
141	113.0	37.0	55.4#





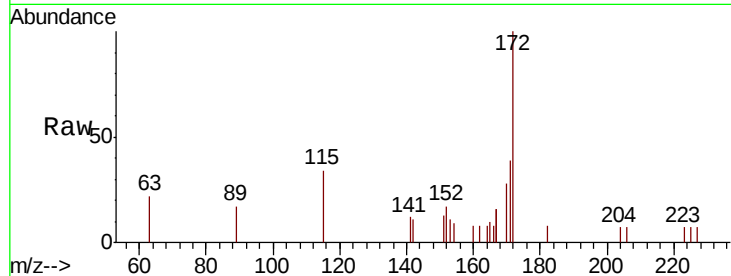
#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.1	28.2	42.2
170	28.5	18.9	28.3

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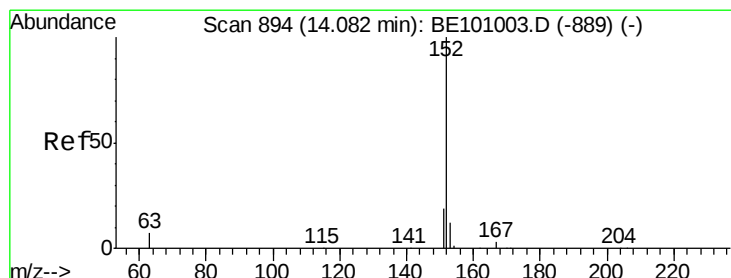
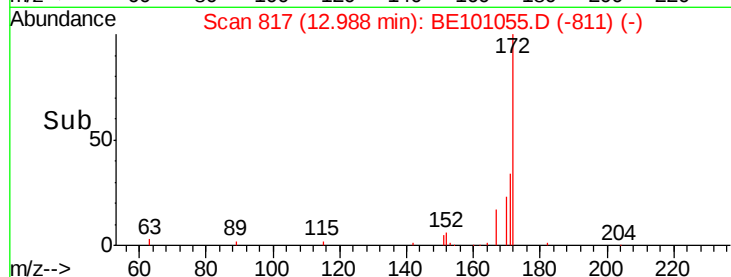
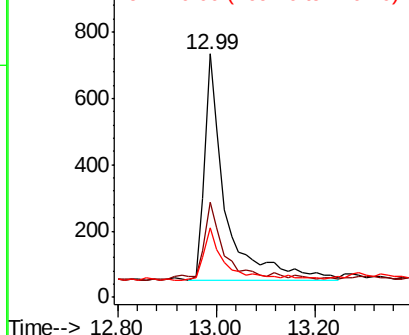


Abundance

Ion 172.00 (171.70 to 172.70): E

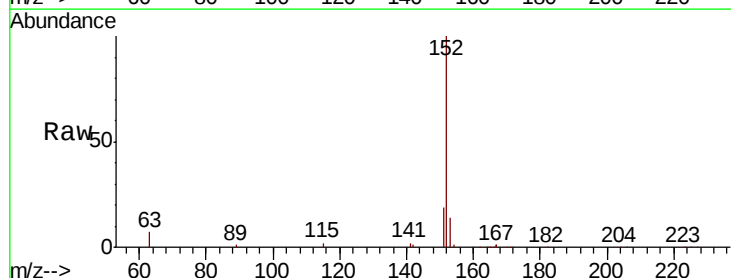
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 1.258 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	12.8	10.4	15.6

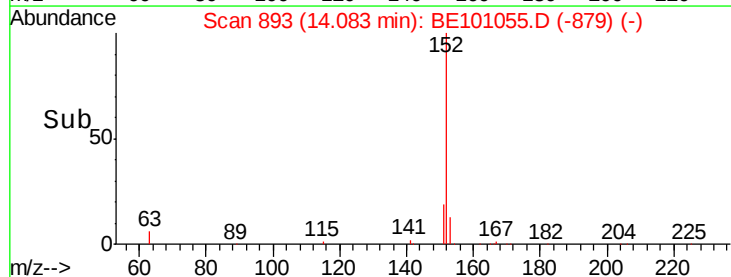
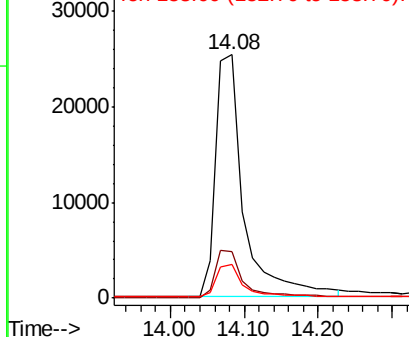


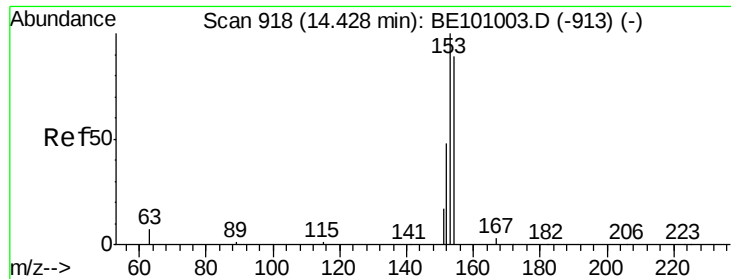
Abundance

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





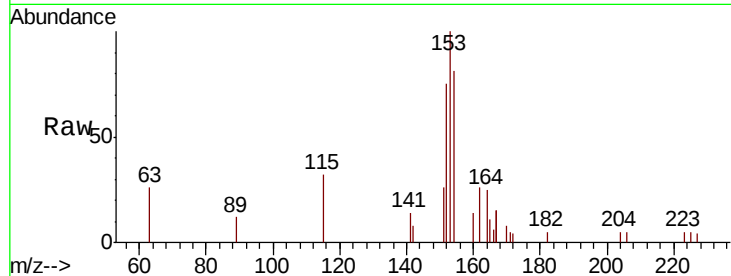
#17
Acenaphthene
Concen: 0.049 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
154	100		
153	99.8	93.6	140.4
152	71.5	46.3	69.5

Manual Integrations
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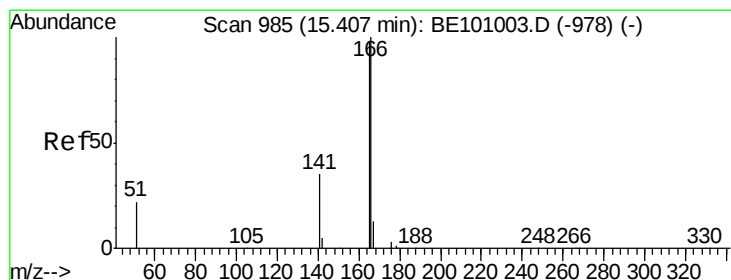
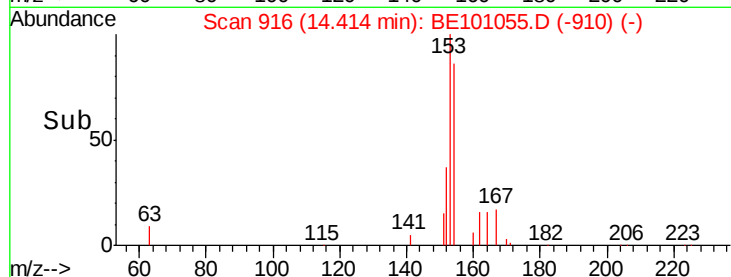
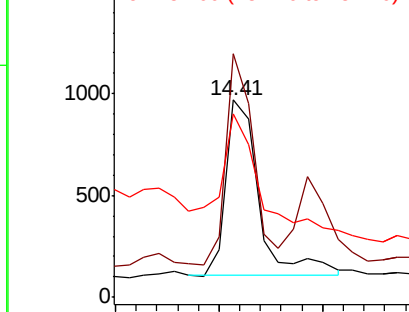


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.392 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

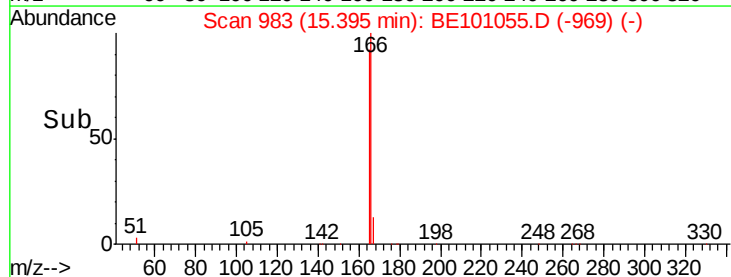
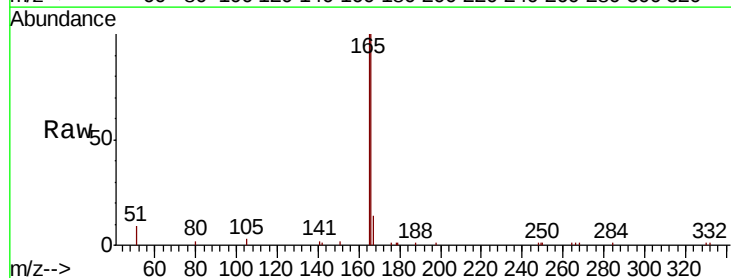
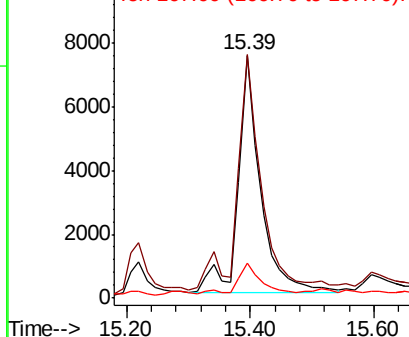
Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.5	79.8	119.8
167	12.9	11.0	16.6

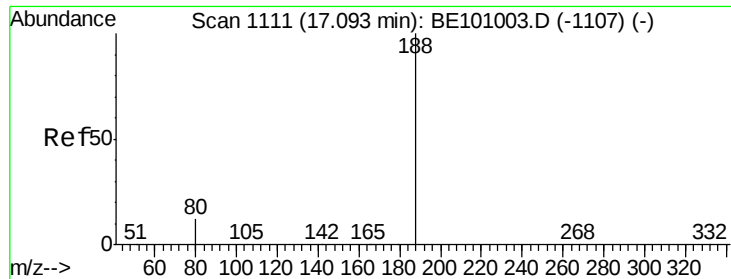
Abundance

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





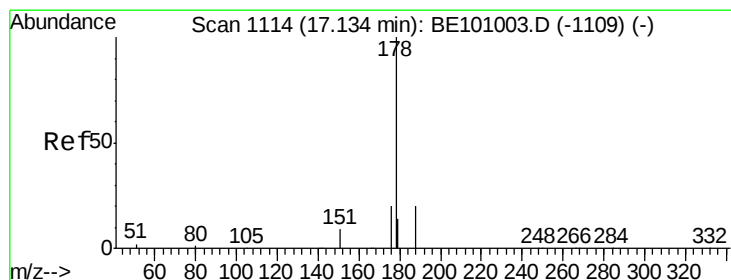
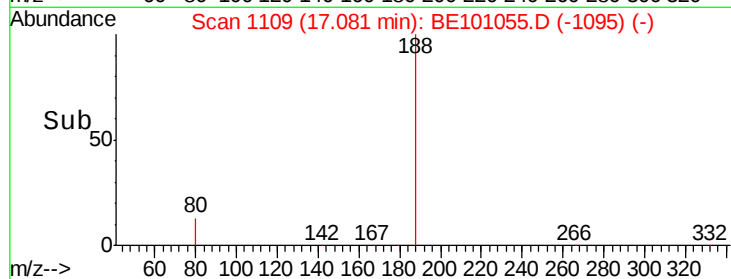
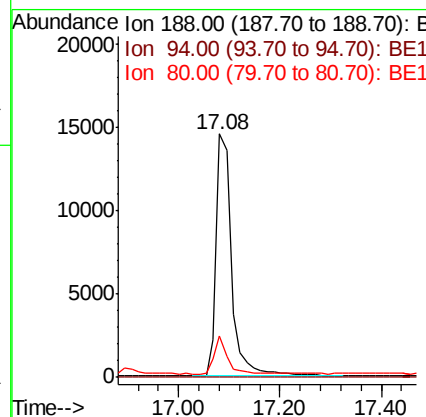
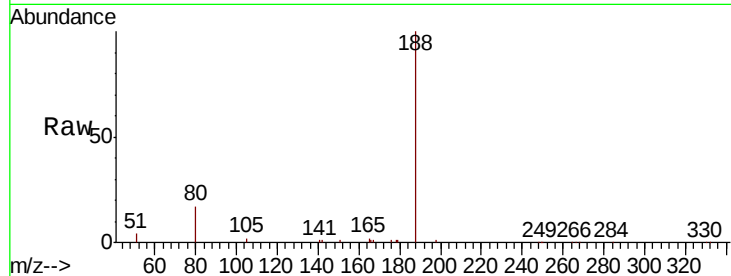
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.7	10.8	16.2

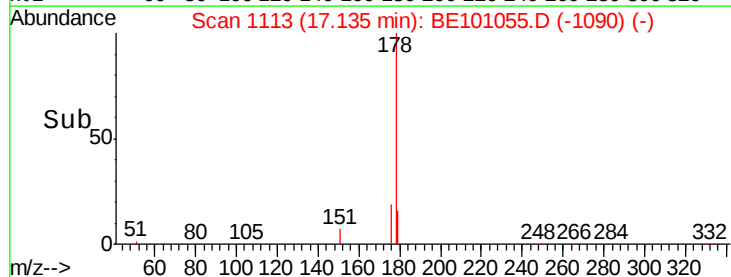
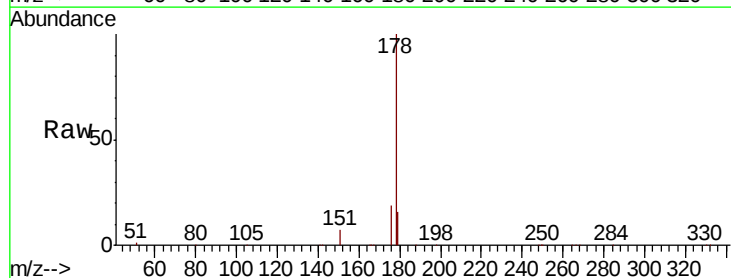
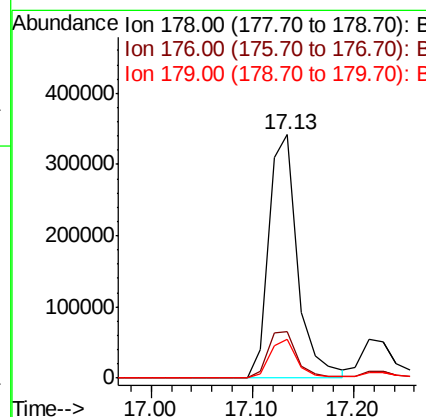
Manual Integrations
APPROVED

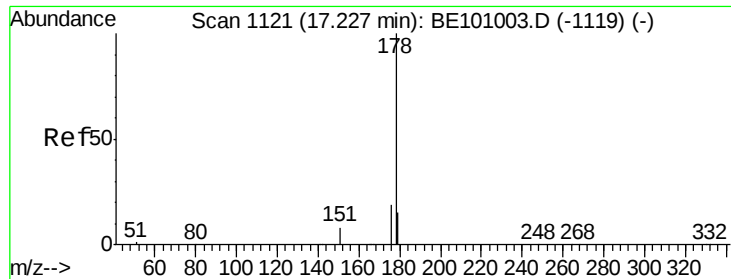
mohammad
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#23
Phenanthrene
Concen: 7.987 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

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





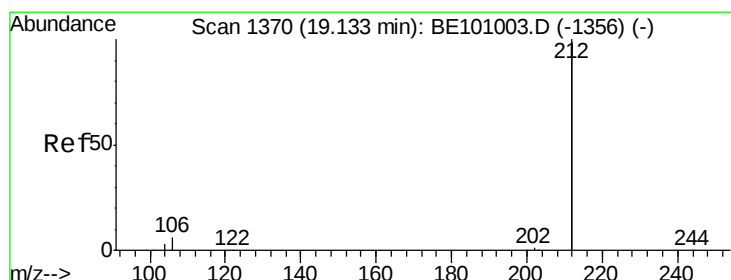
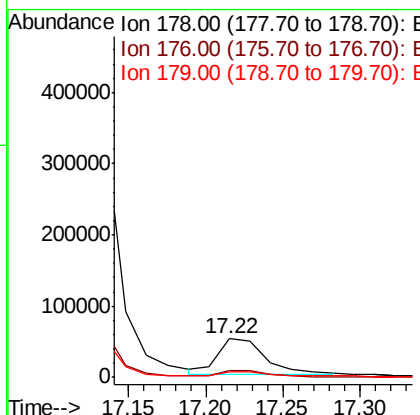
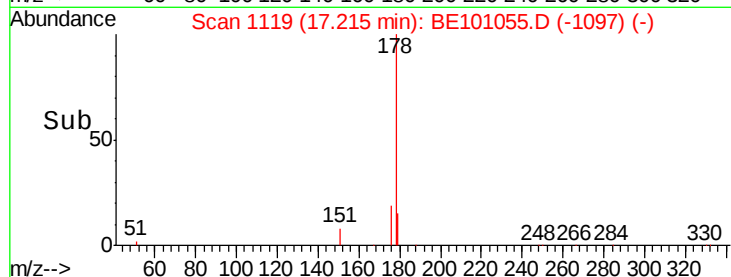
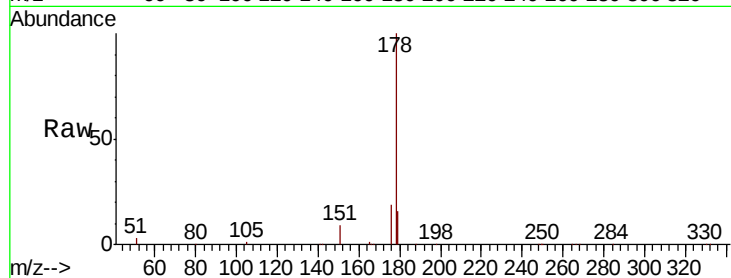
#24
 Anthracene
 Concen: 1.364 ng/ml
 RT: 17.22 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BE101055.D
 Acq: 14 Jan 2020 17:12

Instrument :
 BNA_E
 ClientSampleId :
 SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	121.8	14.8	22.2#
179	96.1	12.4	18.6#

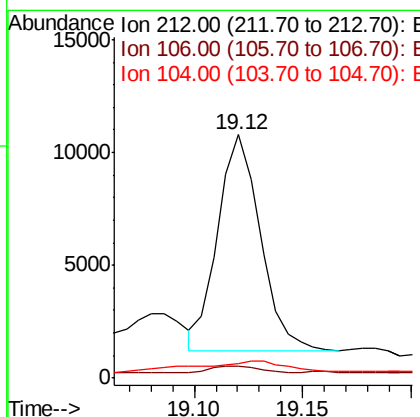
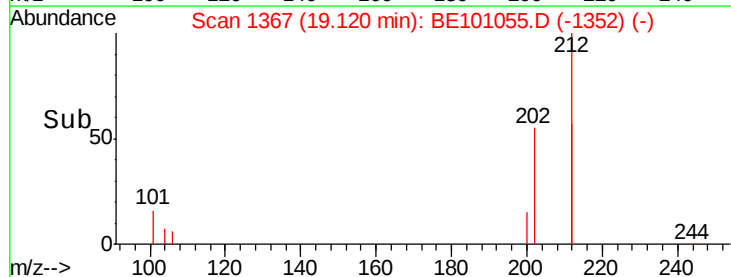
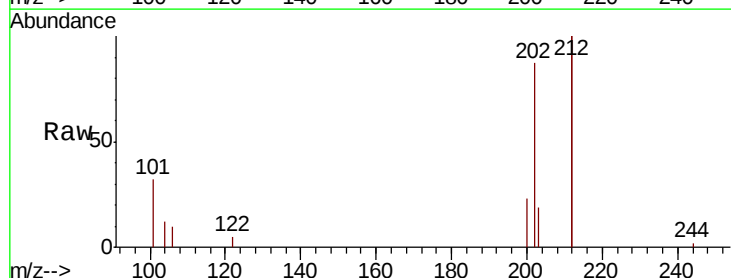
Manual Integrations
 APPROVED

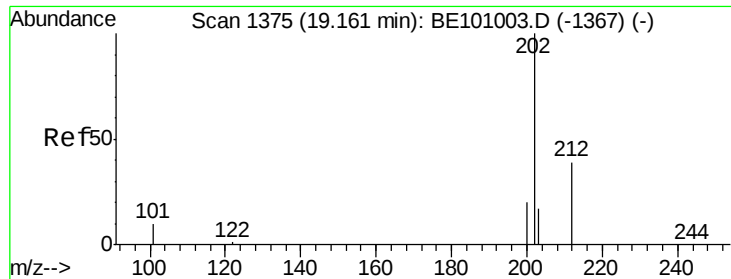
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101055.D
 Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.6	3.8
104	6.4	1.4	2.0#





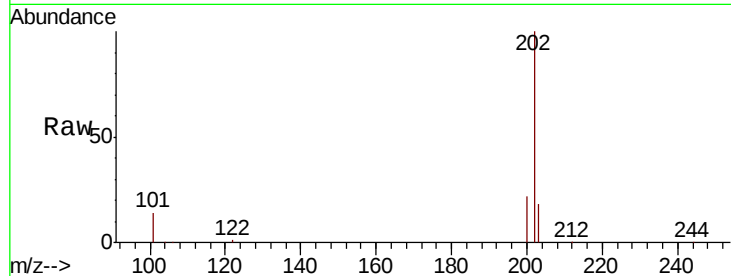
#26
Fluoranthene
Concen: 15.881 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.6	14.4
203	17.8	13.8	20.6

Manual Integrations
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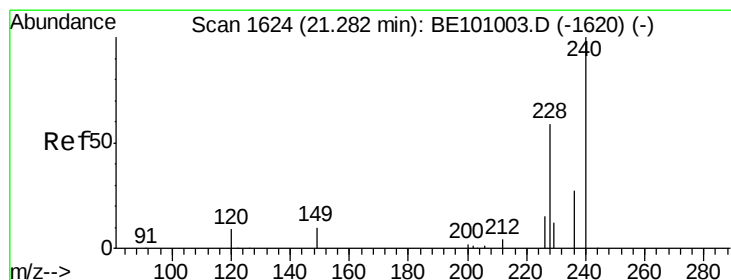
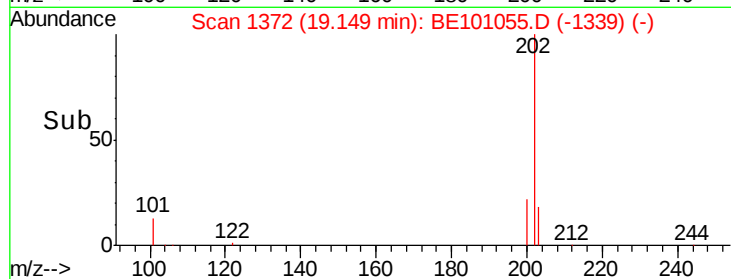
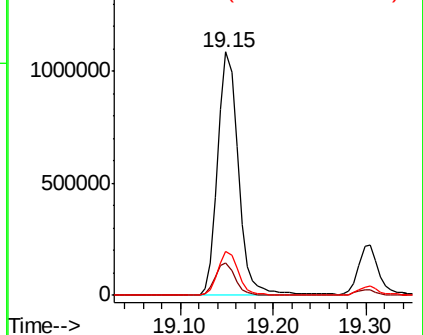


Abundance

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: BE101055.D
Acq: 14 Jan 2020 17:12

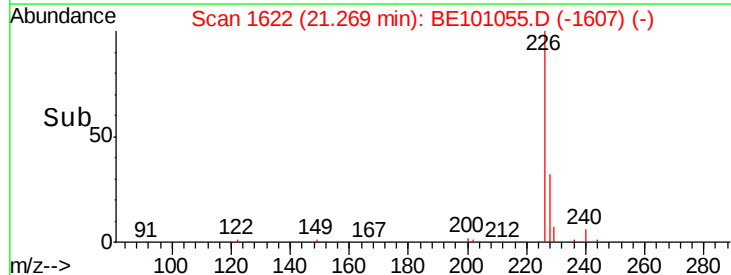
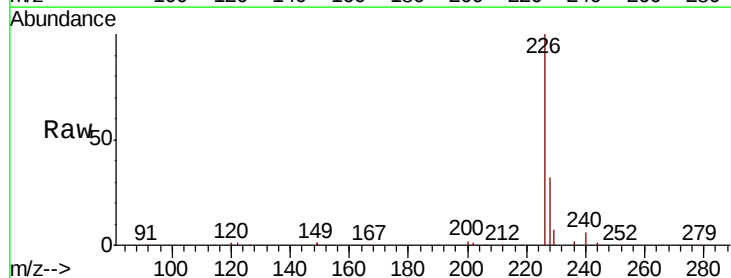
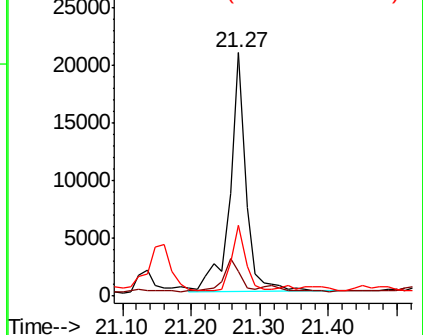
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	13.0
236	29.0	22.2	33.4

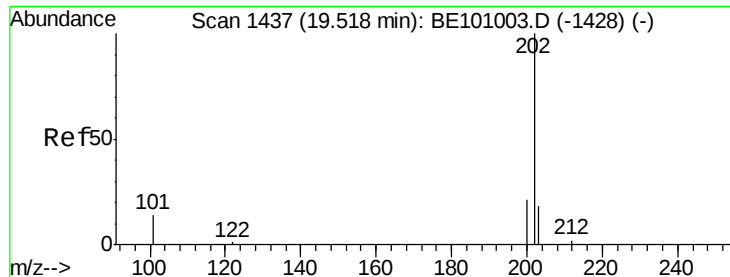
Abundance

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





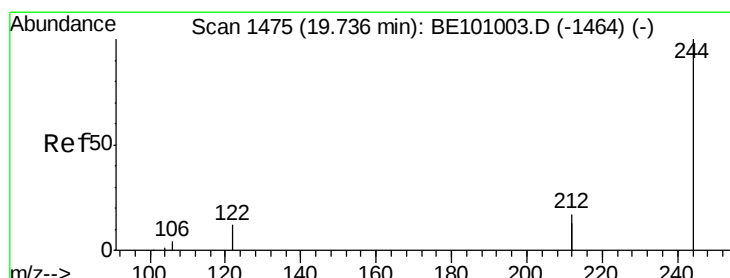
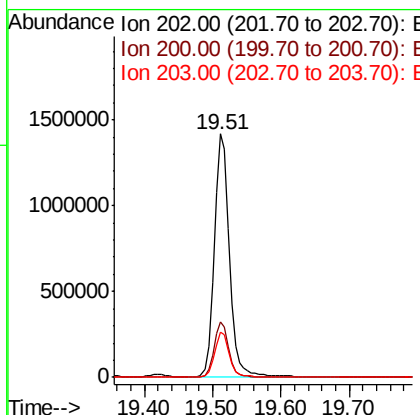
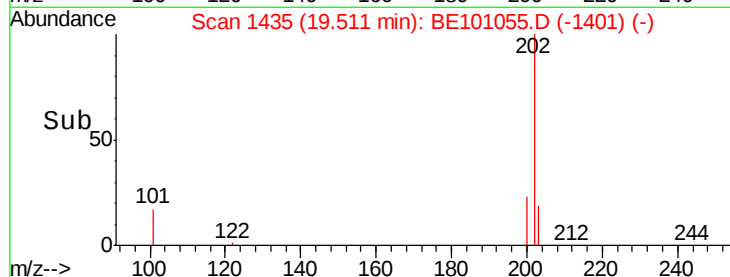
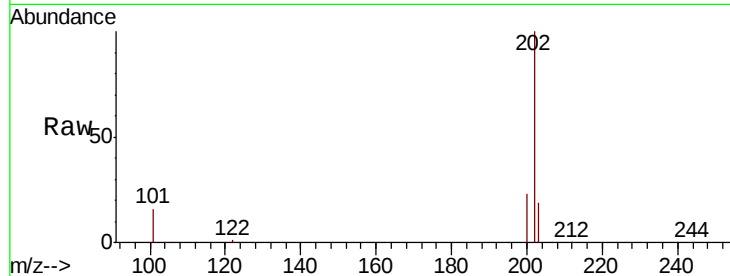
#28
Pvrene
Concen: 17.482 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion:202 Resp: 2194685
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.4
203 18.6 13.8 20.6

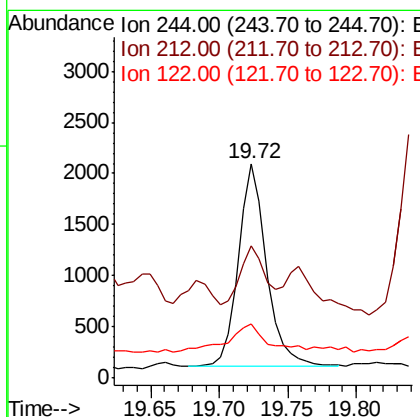
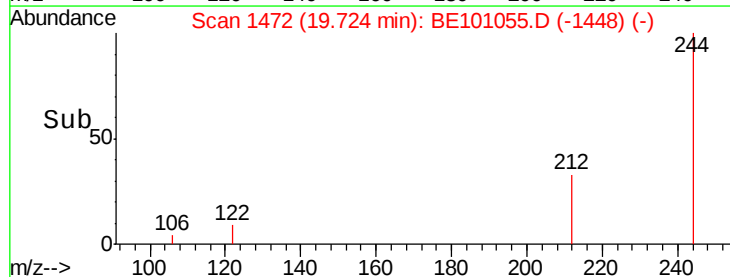
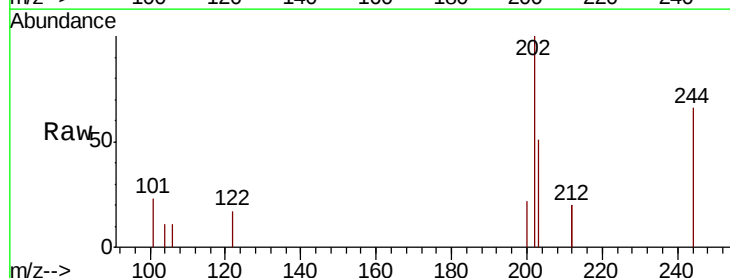
Manual Integrations
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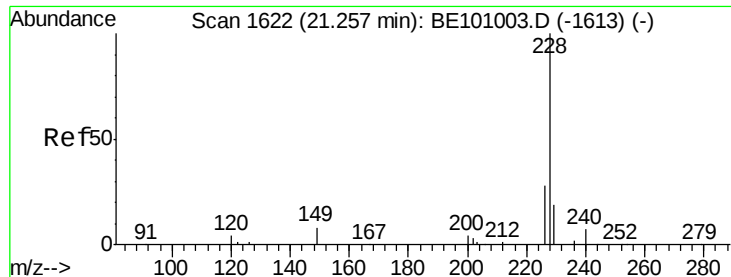
mohammad
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#29
Terphenyl-d14
Concen: 0.034 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion:244 Resp: 2797
Ion Ratio Lower Upper
244 100
212 61.5 27.2 40.8#
122 25.3 9.8 14.8#





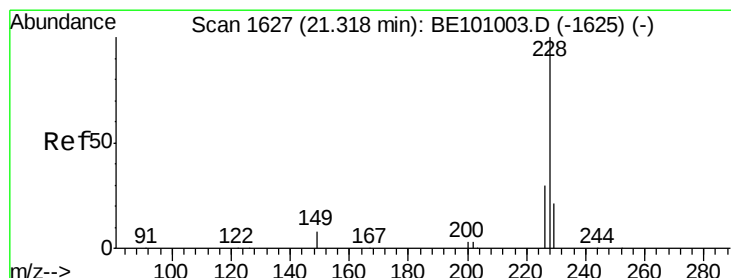
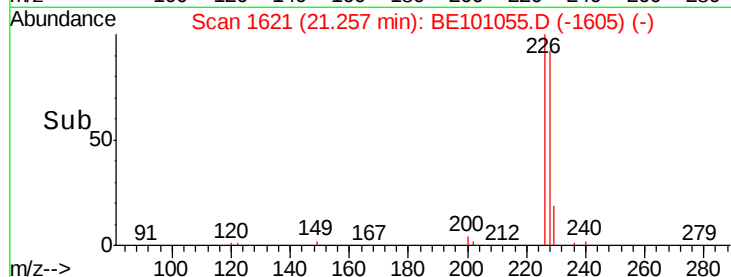
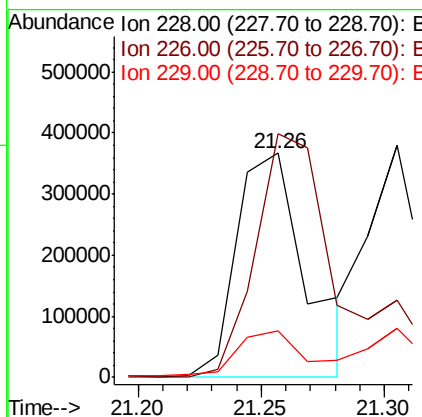
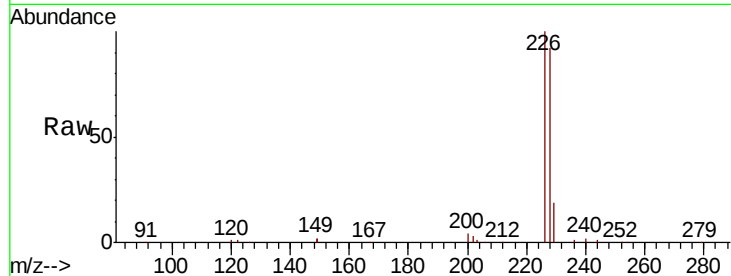
#30
Benzo(a)anthracene
Concen: 7.402 ng m
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	108.8	22.7	34.1#
229	20.9	15.5	23.3

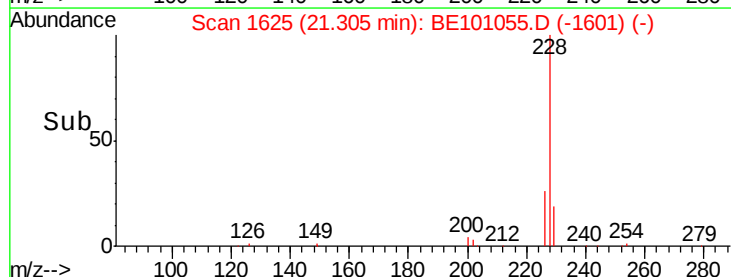
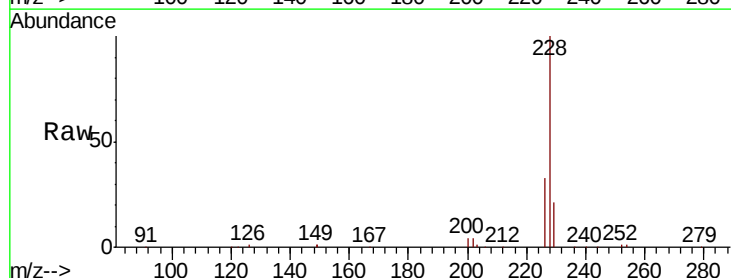
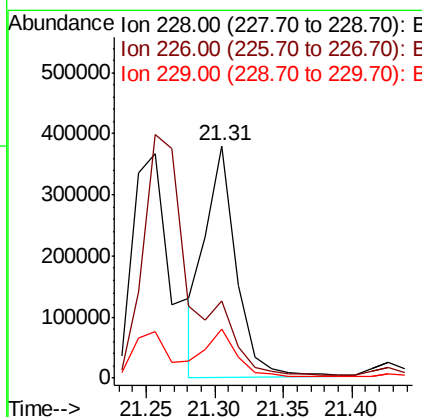
Manual Integrations
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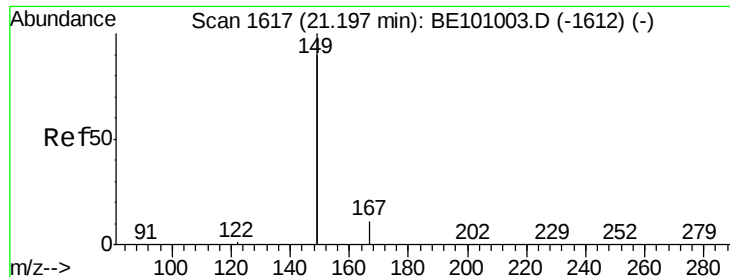
mohammad
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#31
Chrysene
Concen: 4.197 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.5	35.3
229	20.9	16.7	25.1





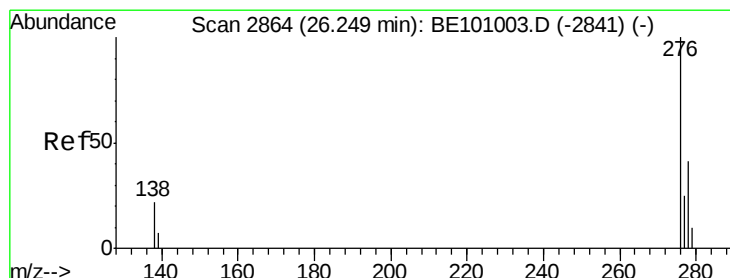
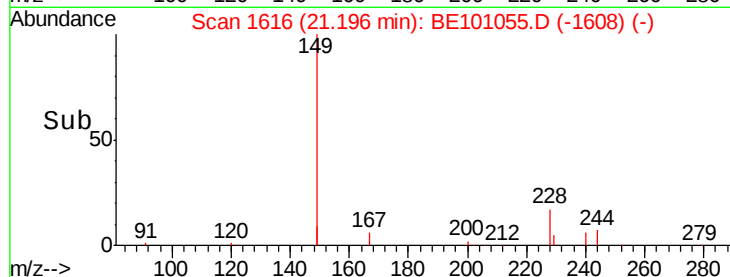
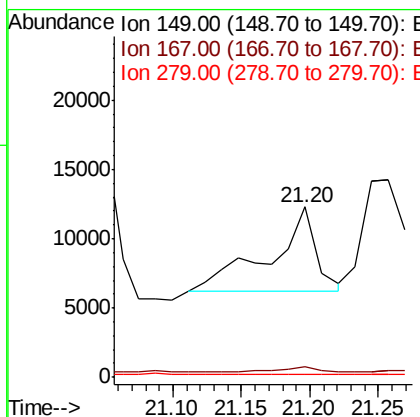
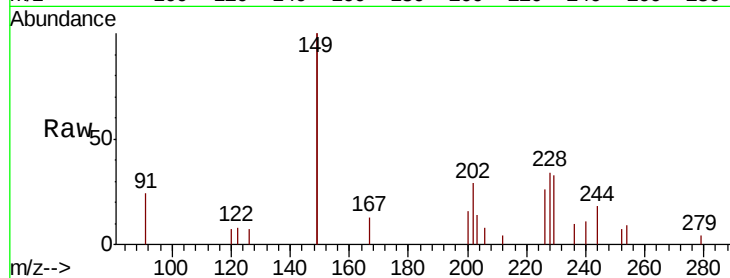
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.089 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101055.D
 Acq: 14 Jan 2020 17:12

Instrument :
 BNA_E
 ClientSampleId :
 SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
149	100		
167	5.3	5.2	7.8
279	1.4	0.8	1.2

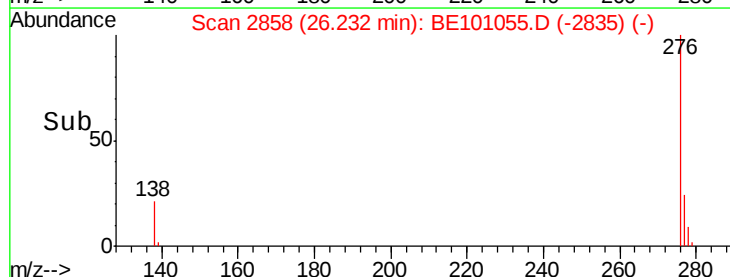
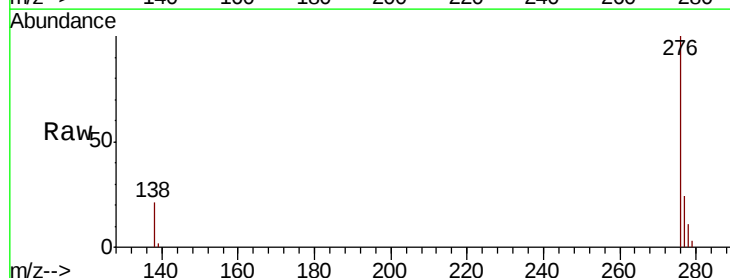
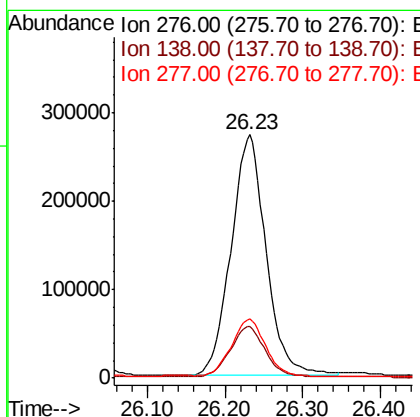
Manual Integrations
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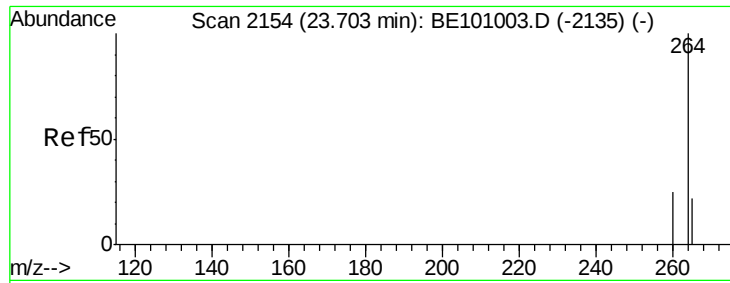
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 7.543 ng
 RT: 26.23 min Scan# 2858
 Delta R.T. -0.02 min
 Lab File: BE101055.D
 Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.1	24.1
277	23.3	18.1	27.1





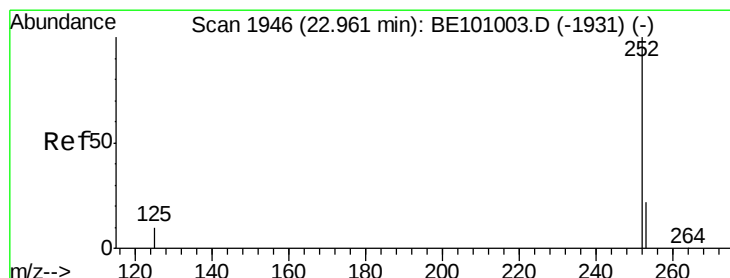
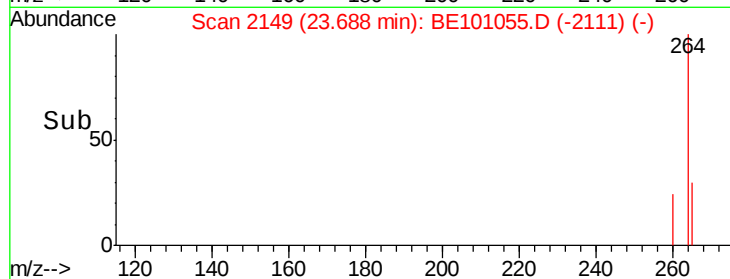
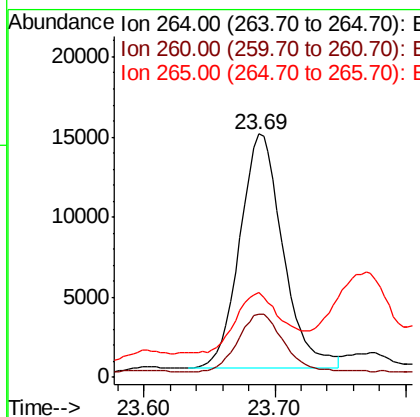
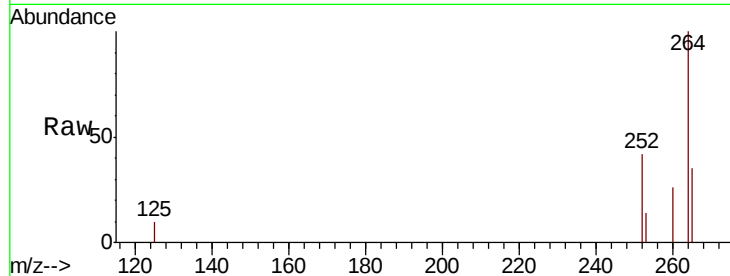
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. -0.02 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.3	30.5
265	34.8	27.0	40.4

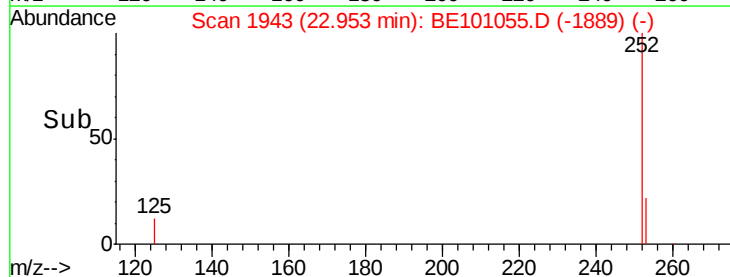
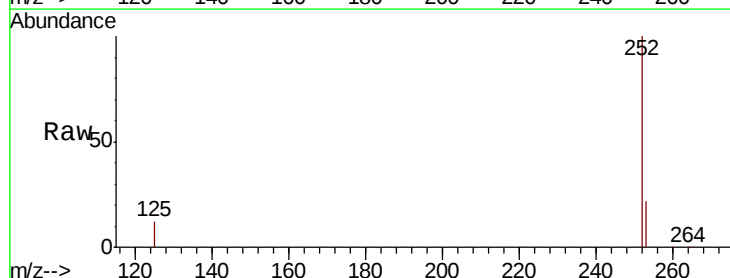
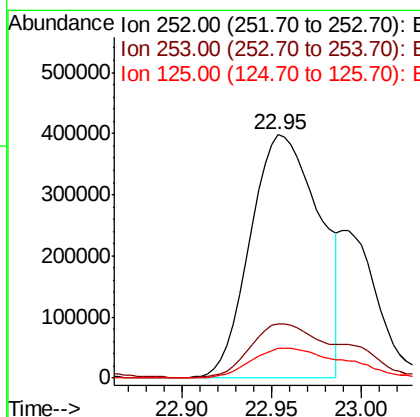
Manual Integrations
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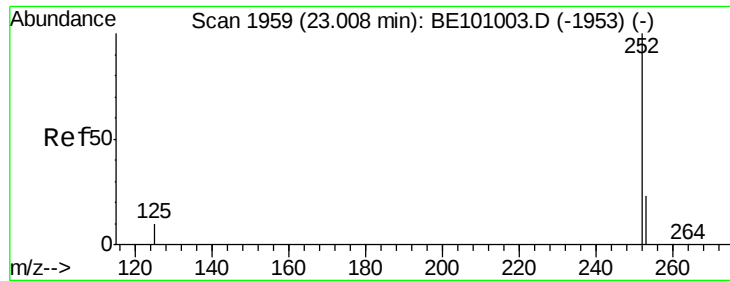
mohammad
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#35
Benzo(b)fluoranthene
Concen: 11.459 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	12.0	9.5	14.3





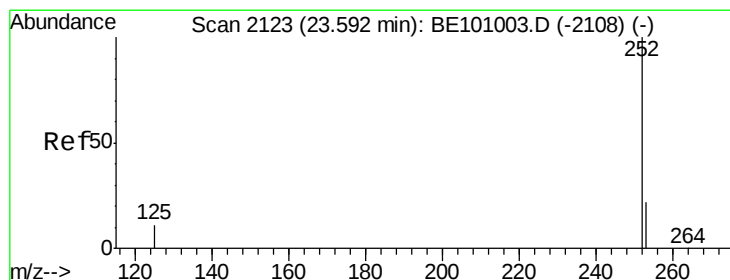
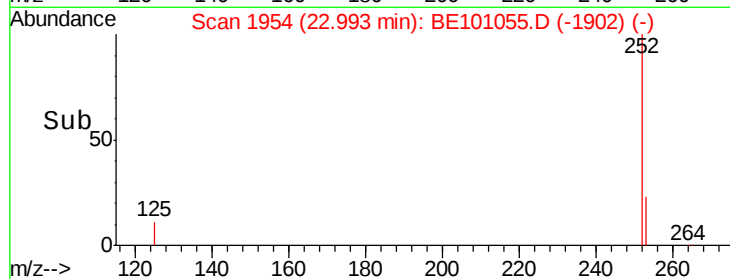
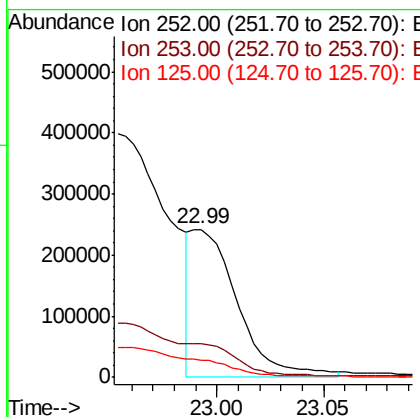
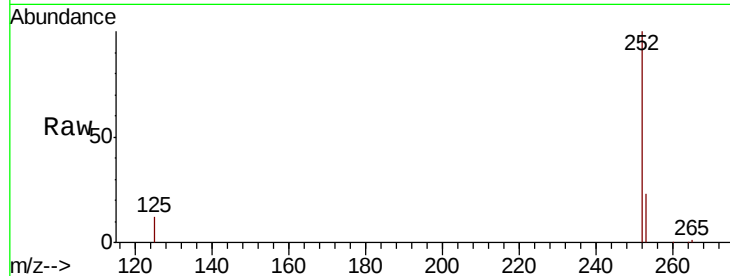
#36
Benzo(k)fluoranthene
Concen: 2.699 ng m
RT: 22.99 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Instrument :
BNA_E
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	11.8	10.1	15.1

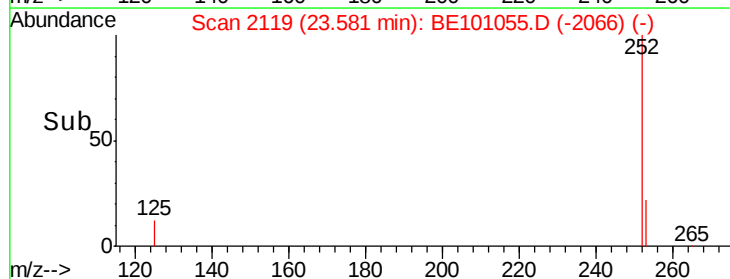
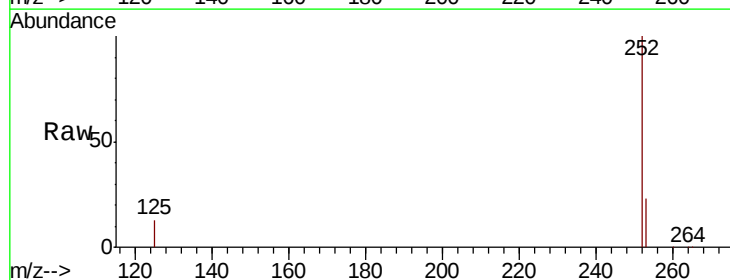
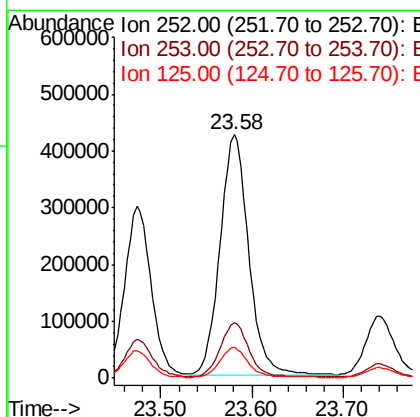
Manual Integrations
APPROVED

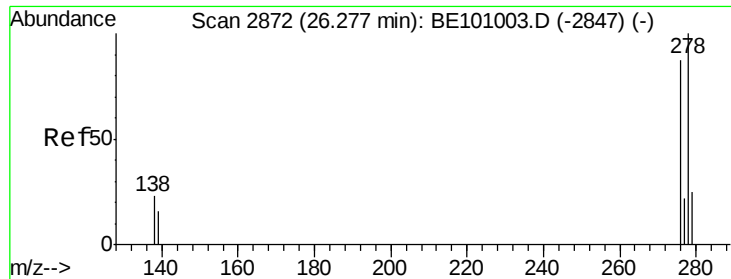
mohammad
1/21/2020 7:51:29 AM



#37
Benzo(a)pyrene
Concen: 10.205 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101055.D
Acq: 14 Jan 2020 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.4	29.2
125	12.5	11.8	17.6





#38

Dibenzo(a,h)anthracene

Concen: 1.226 ng

RT: 26.24 min Scan# 2859

Delta R.T. -0.04 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Instrument :

BNA_E

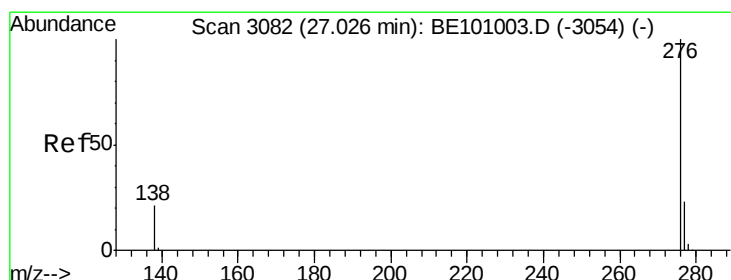
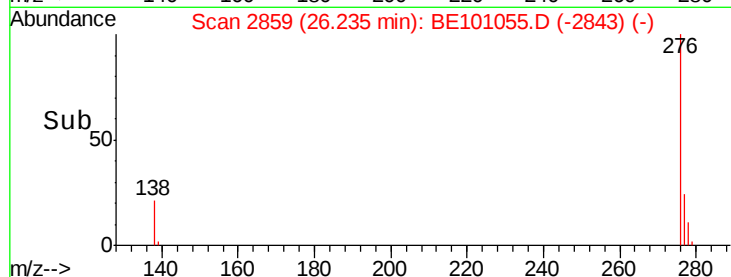
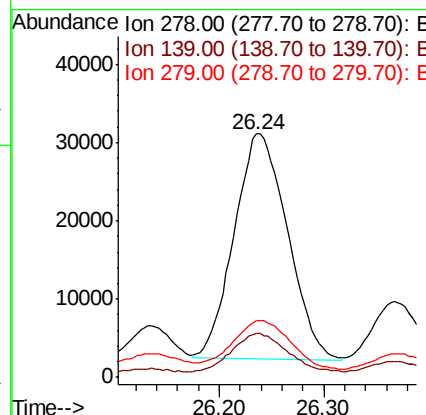
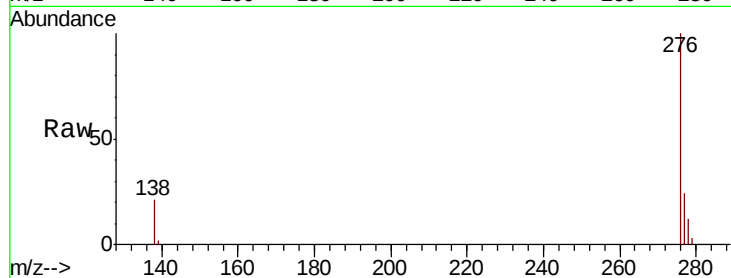
ClientSampleId :

SB-17(2-4)

Tot Ion:	278	Resp:	101962
Ion Ratio	Lower	Upper	
278	100		
139	18.2	15.0	22.4
279	23.1	22.6	33.8

Manual Integrations
APPROVED

mohammad
1/21/2020 7:51:29 AM



#39

Benzo(g,h,i)perylene

Concen: 10.466 ng

RT: 27.02 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BE101055.D

Acq: 14 Jan 2020 17:12

Tgt Ion:	276	Resp:	1070222
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.4	29.2
138	22.9	17.9	26.9

