

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100151.D
 Acq On : 22 Jun 2019 2:10
 Operator : JU/SJ
 Sample : K3428-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW165-061319

Manual Integrations
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Quant Time: Jun 22 03:33:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	750	0.40	ng	-0.02
7) Naphthalene-d8	10.52	136	2995	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	2469	0.40	ng	-0.02
19) Phenanthrene-d10	17.15	188	7427	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9180	0.40	ng	0.00
34) Perylene-d12	23.83	264	11340	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	713	0.46	ng	0.00
5) Phenol-d6	6.90	99	1055	0.49	ng	-0.03
8) Nitrobenzene-d5	8.90	82	1120	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	165	0.03	ng	-0.02
14) 2,4,6-Tribromophenol	15.90	330	656	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3431	0.35	ng	-0.02
25) Fluoranthene-d10	19.19	212	2835	0.03	ng	0.00
29) Terphenyl-d14	19.79	244	6962	0.38	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.57	128	8386	0.258	ng	100
12) 2-Methylnaphthalene	12.21	142	1698	0.317	ng	98
16) Acenaphthylene	14.12	152	11212	0.957	ng	98
17) Acenaphthene	14.47	154	1146	0.175	ng	94
18) Fluorene	15.45	166	4457	0.457	ng	# 88
23) Phenanthrene	17.19	178	99964	5.618	ng	99
24) Anthracene	17.28	178	8956	0.597	ng	98
26) Fluoranthene	19.22	202	165130	5.781	ng	98
28) Pyrene	19.58	202	213280	9.039	ng	97
30) Benzo(a)anthracene	21.33	228	101290	3.709	ng	93
31) Chrysene	21.38	228	131513	4.144	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	9725	0.377	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.47	276	61816	1.731	ng	# 98
35) Benzo(b)fluoranthene	23.07	252	114118	3.429	ng	# 97
36) Benzo(k)fluoranthene	23.11	252	40327m	1.065	ng	
37) Benzo(a)pyrene	23.72	252	91403m	2.846	ng	
38) Dibenzo(a,h)anthracene	26.48	278	16283	0.495	ng	# 87
39) Benzo(a,h,i)perylene	27.29	276	68694	2.008	ng	# 96

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

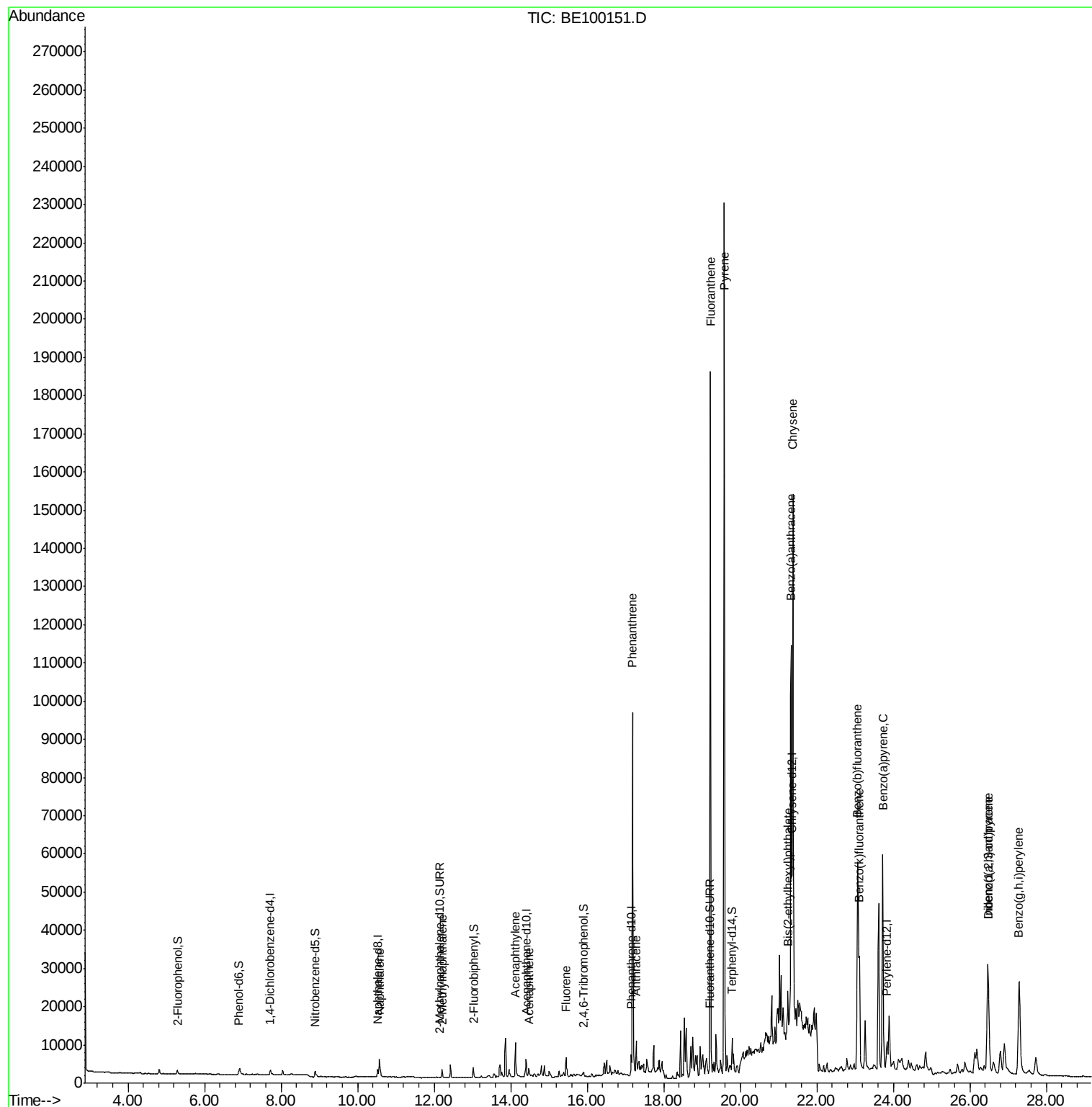
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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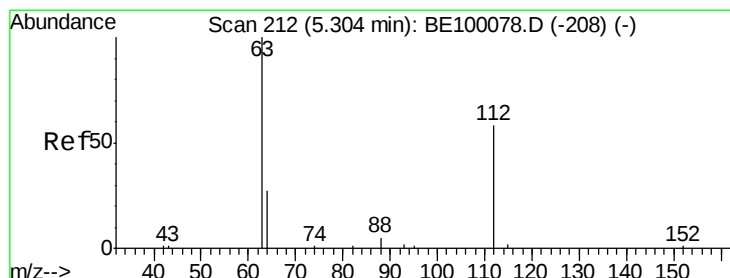
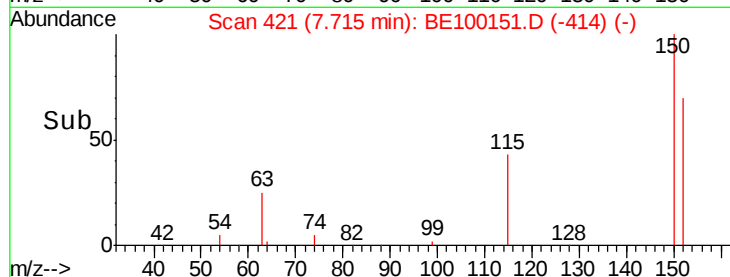
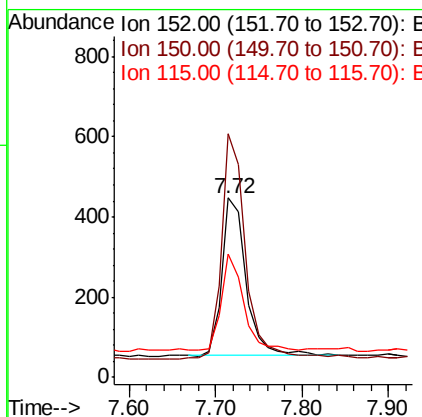
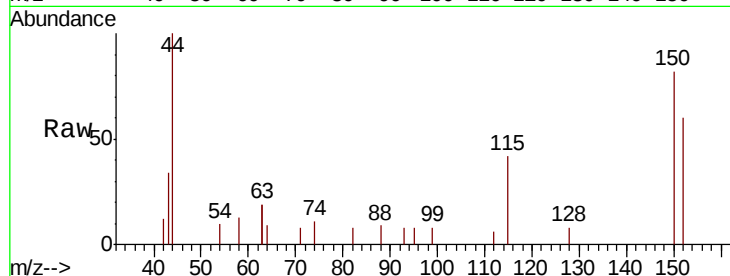
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.72 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.8	99.8	149.8
115	69.1	51.3	76.9

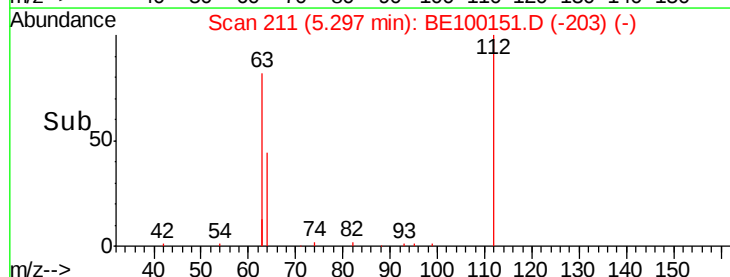
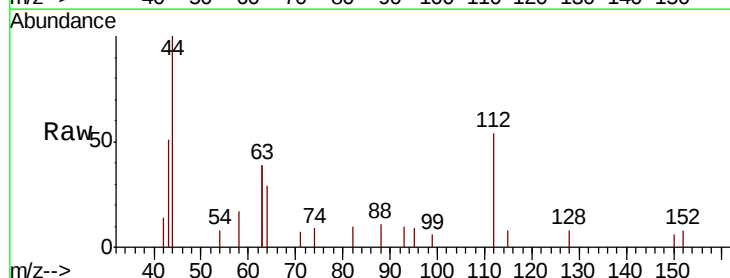
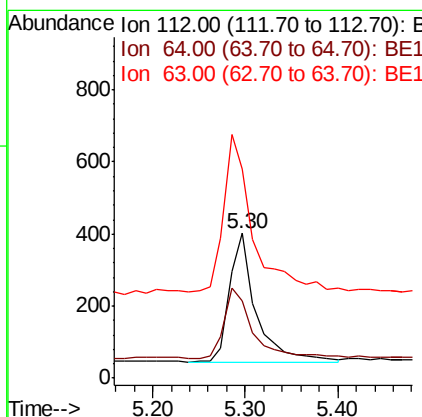
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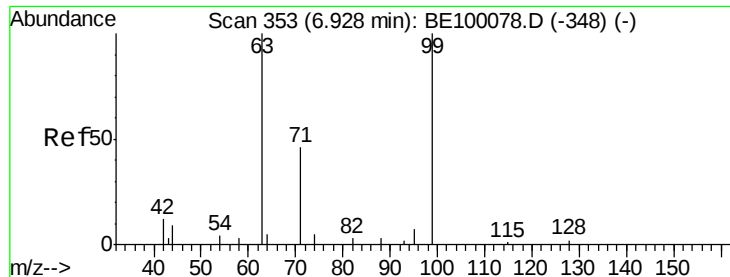
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#4
 2-Fluorophenol
 Concen: 0.458 ng
 RT: 5.30 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	22.0	33.0#
63	133.0	121.8	182.6





#5

Phenol-d6

Concen: 0.494 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.03 min

Lab File: BE100151.D

Acq: 22 Jun 2019 2:10

Instrument :

BNA_E

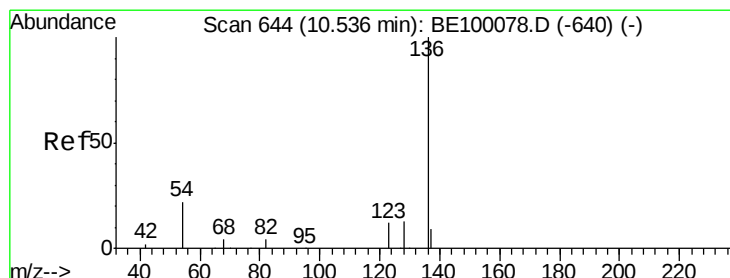
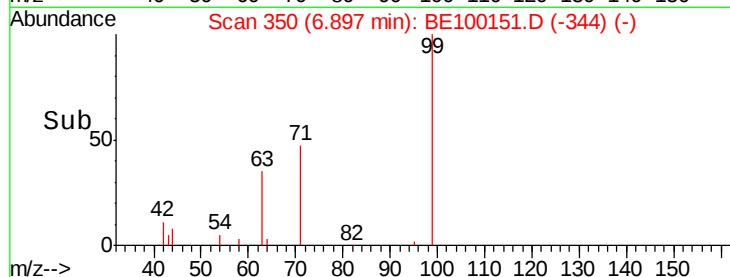
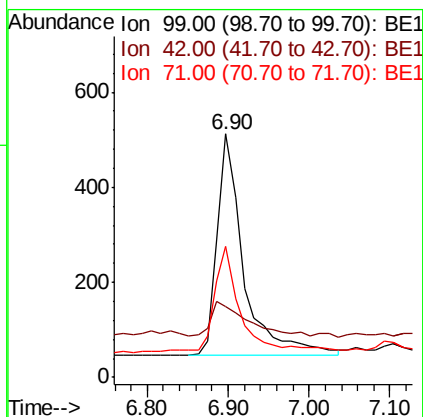
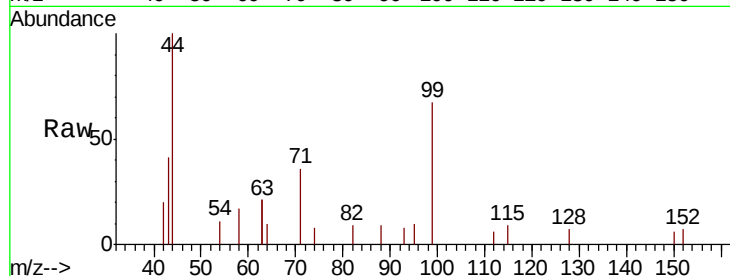
ClientSampleId :

EXT-013-SW165-061319

Tot Ion:	99	Resp:	1055
Ion	Ratio	Lower	Upper
99	100		
42	21.0	0.0	0.0#
71	43.0	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

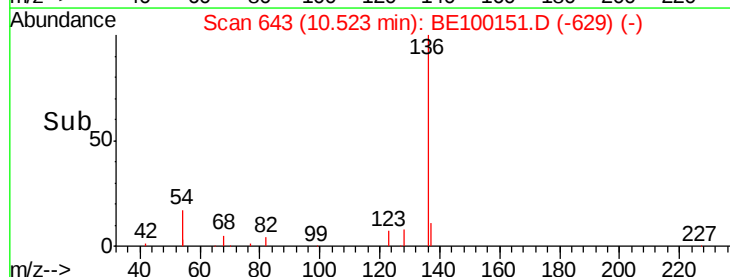
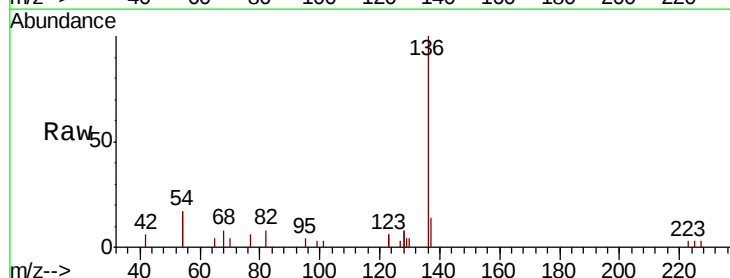
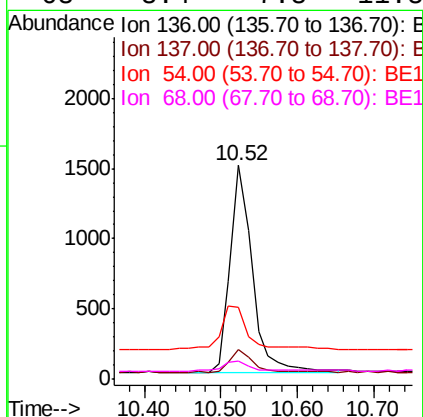
RT: 10.52 min Scan# 643

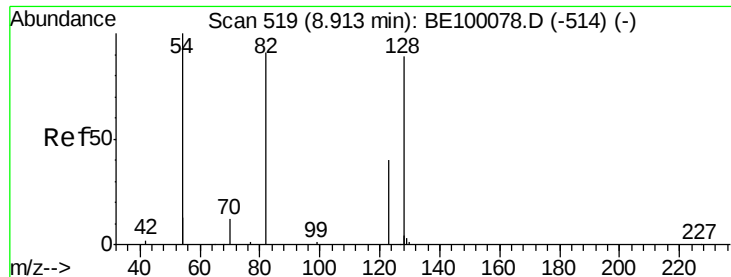
Delta R.T. -0.01 min

Lab File: BE100151.D

Acq: 22 Jun 2019 2:10

Tgt Ion:	136	Resp:	2995
Ion	Ratio	Lower	Upper
136	100		
137	13.9	11.6	17.4
54	33.4	33.9	50.9#
68	8.4	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.386 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100151.D

Acq: 22 Jun 2019 2:10

Instrument :

BNA_E

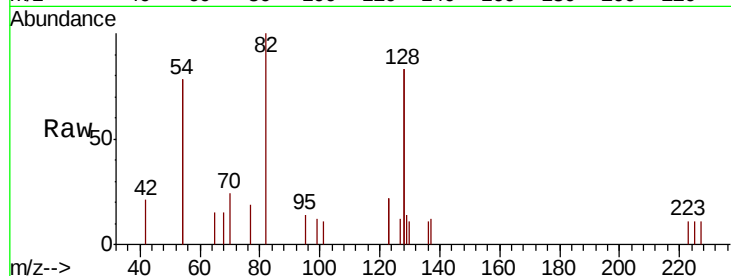
ClientSampleId :

EXT-013-SW165-061319

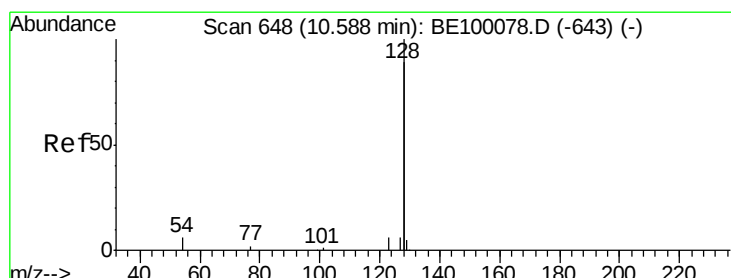
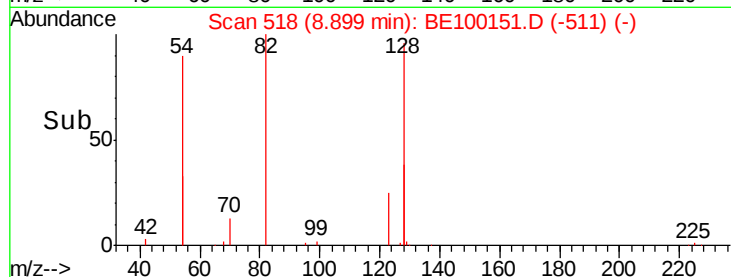
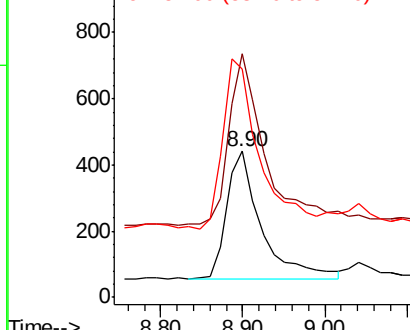
Tot Ion:	82	Resp:	1120
Ion	Ratio	Lower	Upper
82	100		
128	166.9	128.0	192.0
54	156.5	143.4	215.0

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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: 0.258 ng

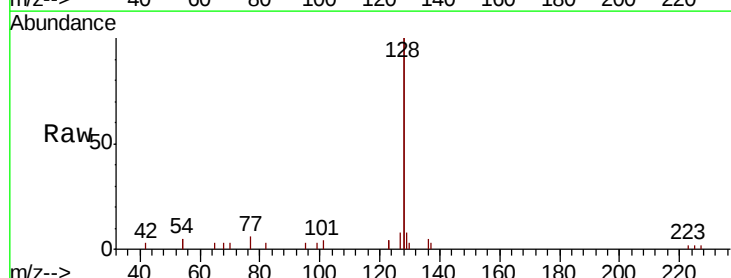
RT: 10.57 min Scan# 647

Delta R.T. -0.01 min

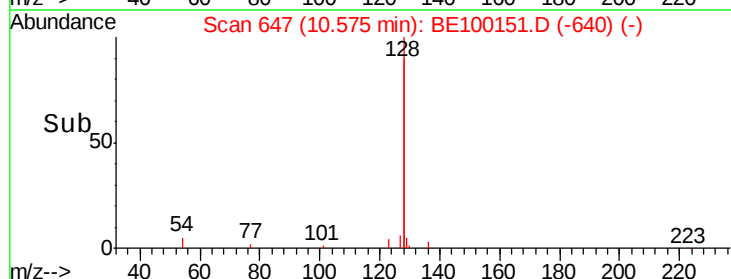
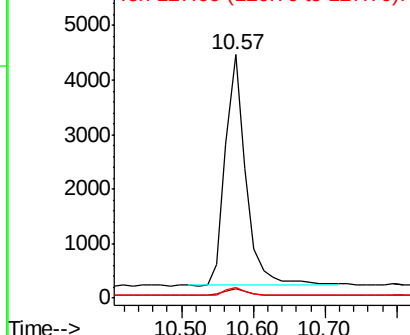
Lab File: BE100151.D

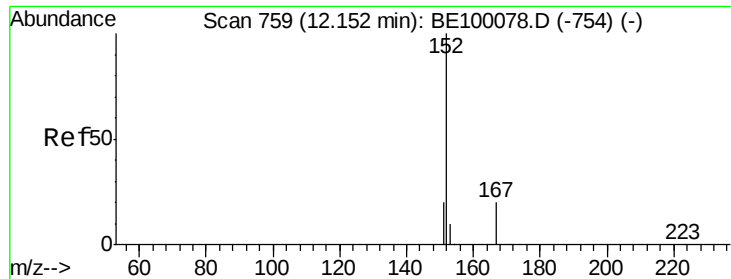
Acq: 22 Jun 2019 2:10

Tgt Ion:	128	Resp:	8386
Ion	Ratio	Lower	Upper
128	100		
129	4.0	3.1	4.7
127	4.2	3.4	5.2



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





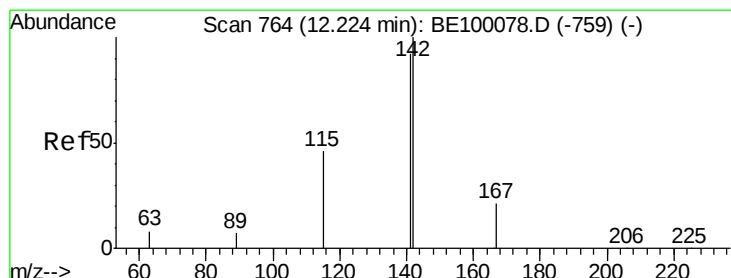
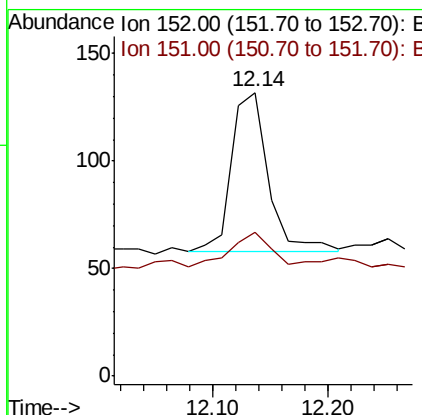
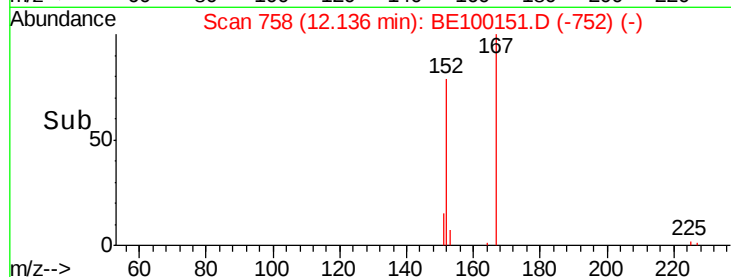
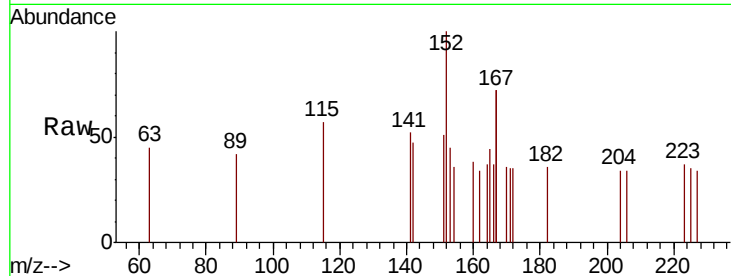
#11
2-Methylnaphthalene-d10
Concen: 0.029 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion:152 Resp: 165
Ion Ratio Lower Upper
152 100
151 23.6 16.3 24.5

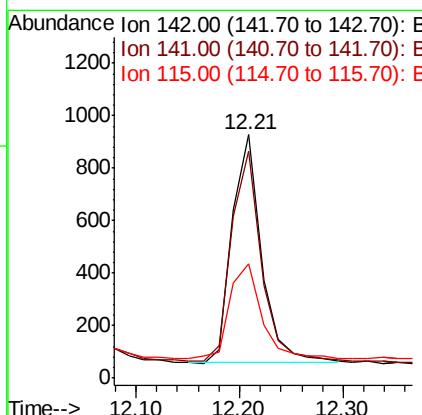
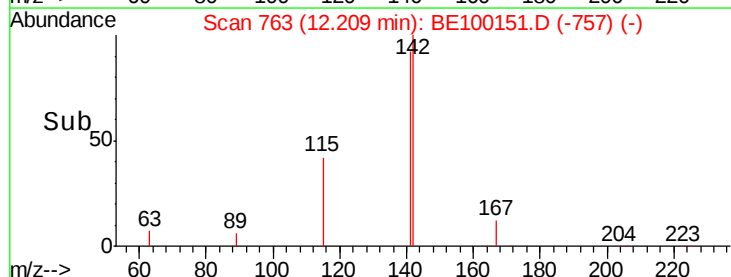
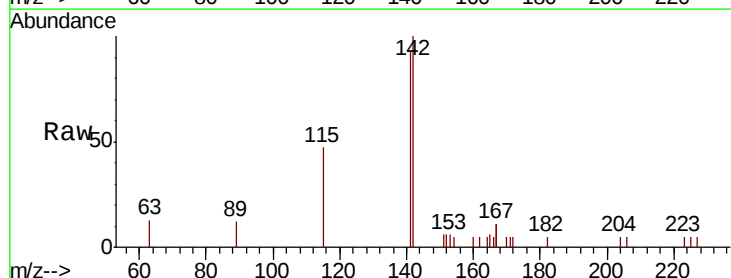
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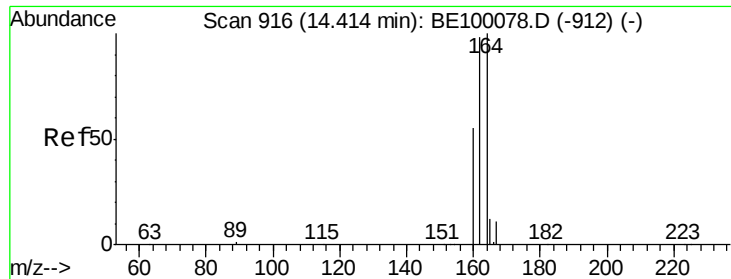
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#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion:142 Resp: 1698
Ion Ratio Lower Upper
142 100
141 93.0 74.1 111.1
115 47.2 40.9 61.3





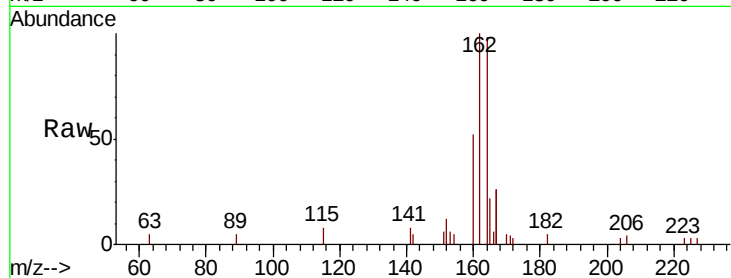
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

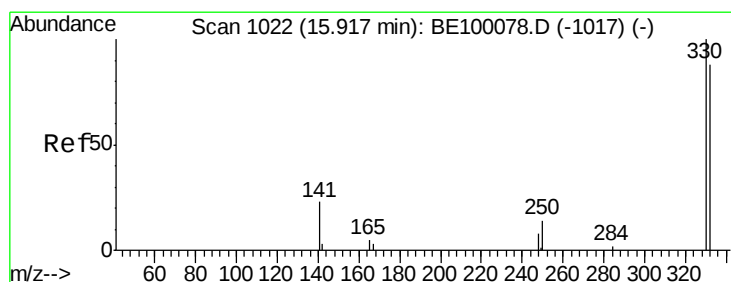
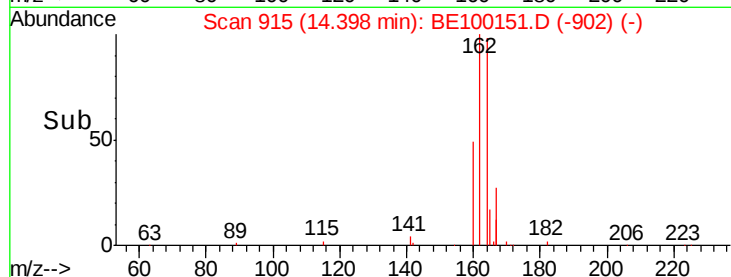
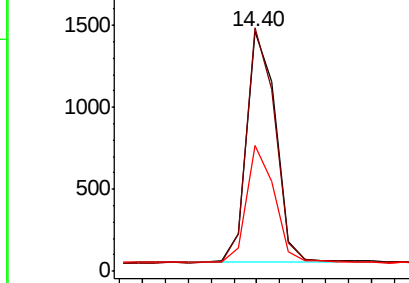
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.2	117.2
160	52.4	45.6	68.4

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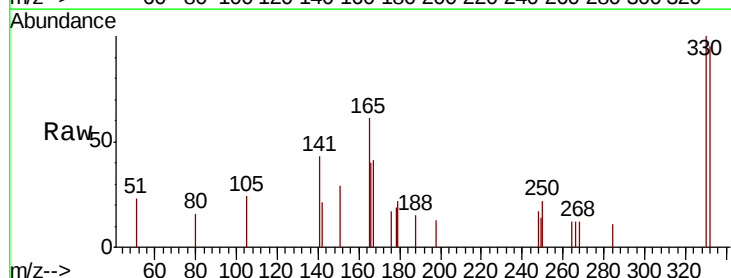


Abundance Ion 164.00 (163.70 to 164.70): E
2000
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

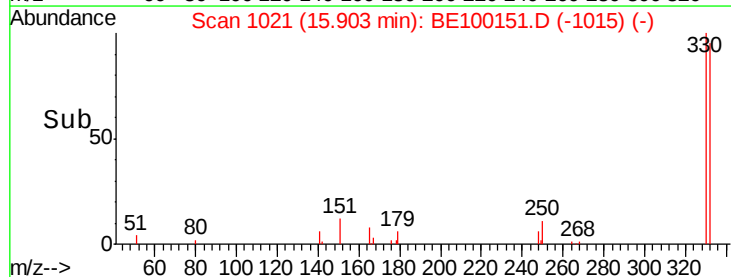
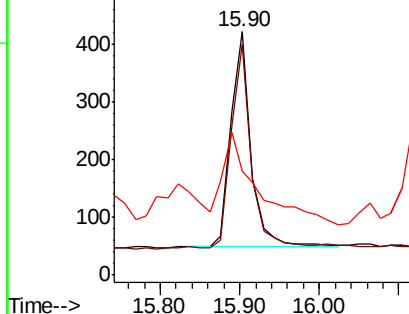


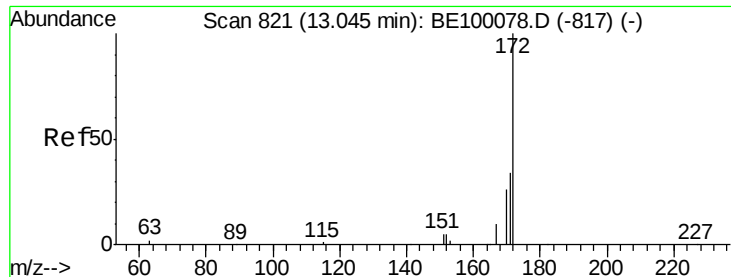
#14
2,4,6-Tribromophenol
Concen: 0.481 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	73.3	109.9
141	73.8	22.2	33.2#



Abundance Ion 330.00 (329.70 to 330.70): E
500
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





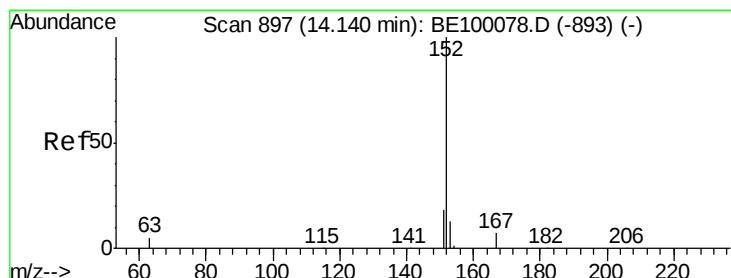
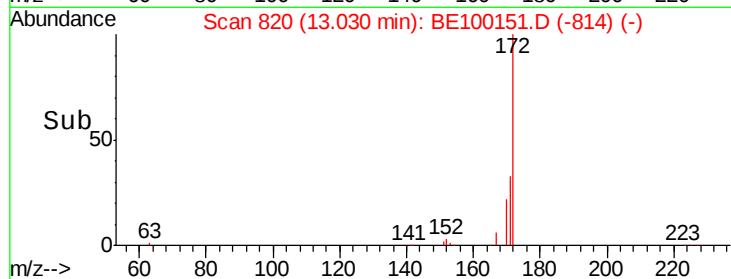
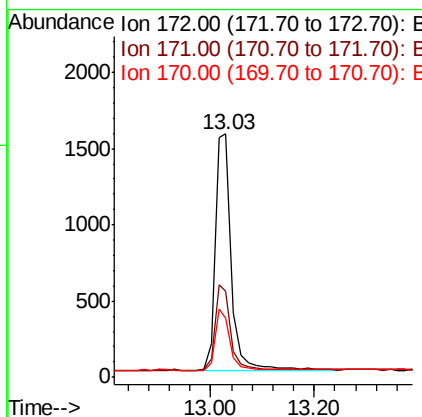
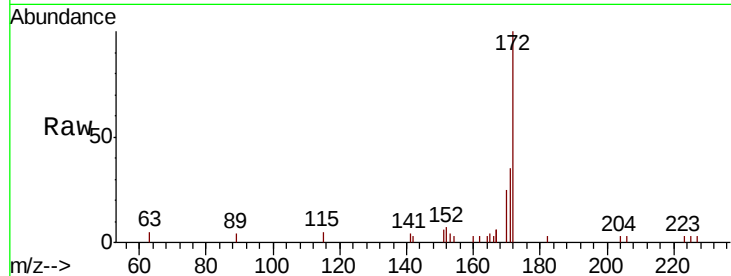
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.8	44.8
170	24.5	23.2	34.8

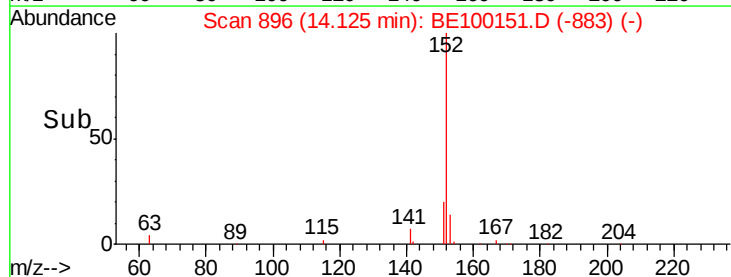
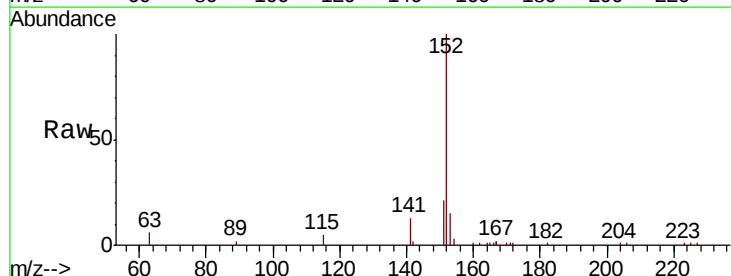
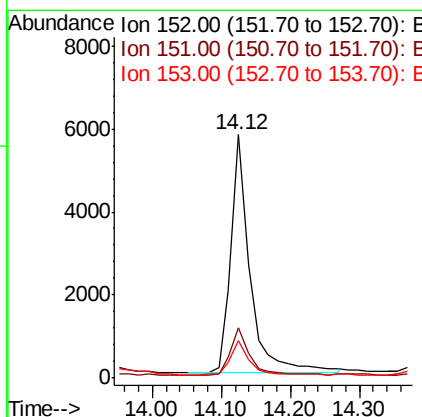
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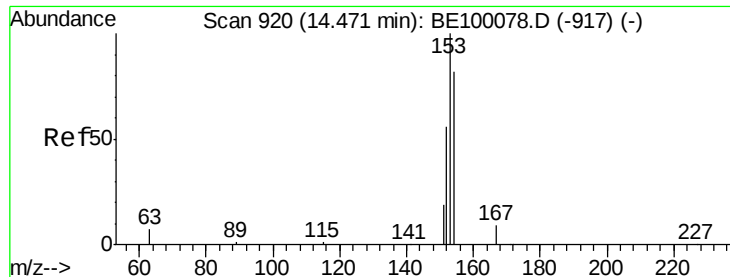
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#16
Acenaphthylene
Concen: 0.957 ng
RT: 14.12 min Scan# 896
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	14.2	10.1	15.1





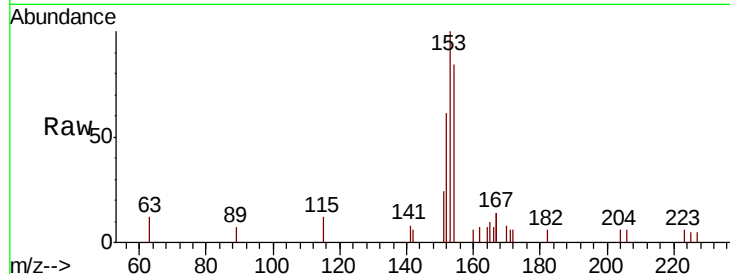
#17
Acenaphthene
Concen: 0.175 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.7	95.5	143.3
152	60.4	54.9	82.3

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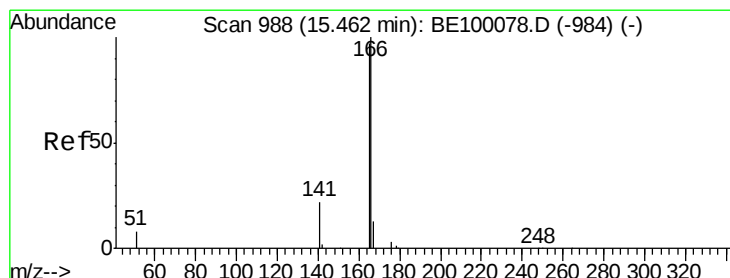
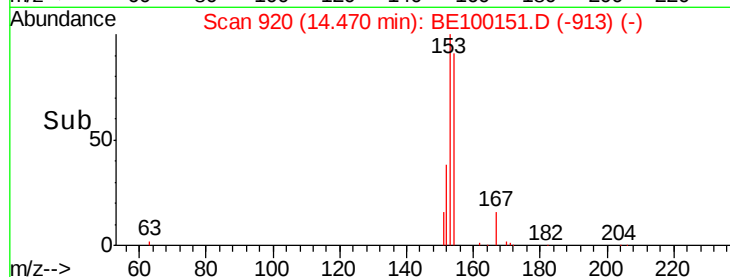
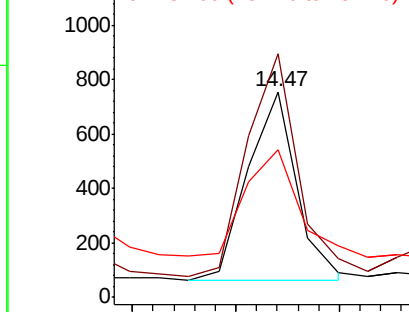


Abundance

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: 0.457 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

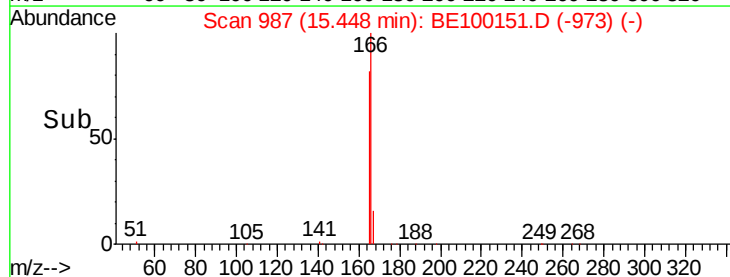
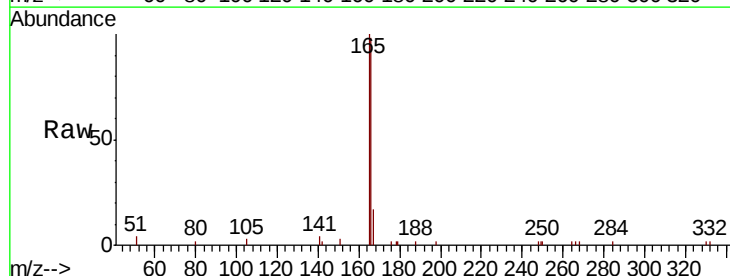
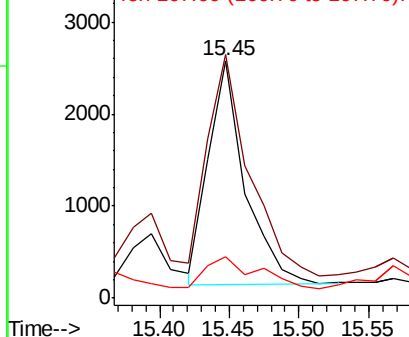
Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.0	79.8	119.8
167	20.3	10.2	15.4#

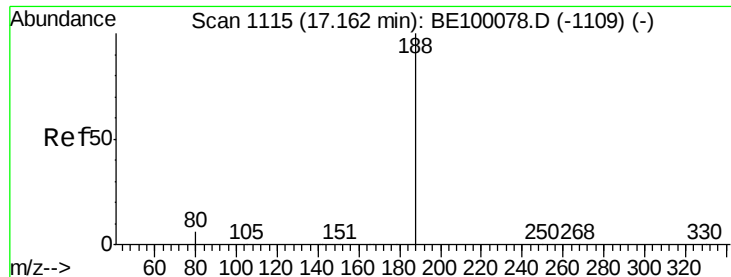
Abundance

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





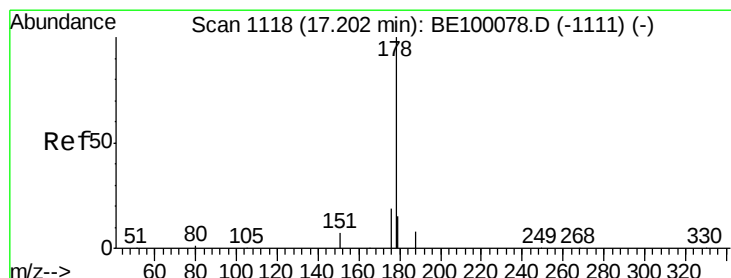
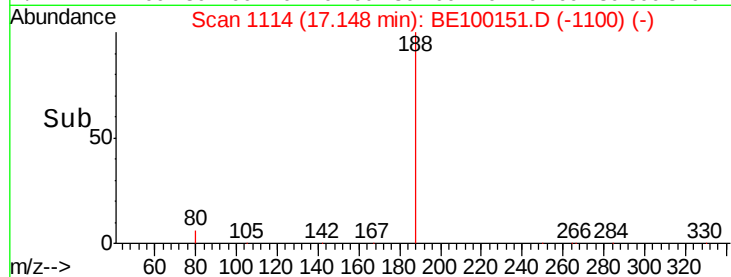
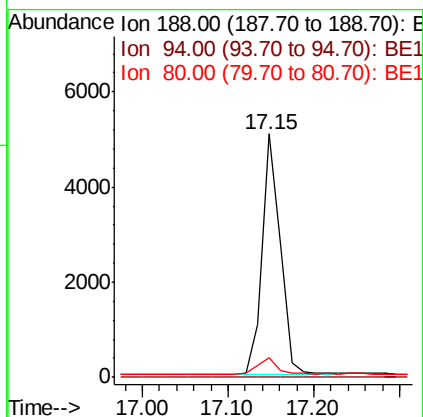
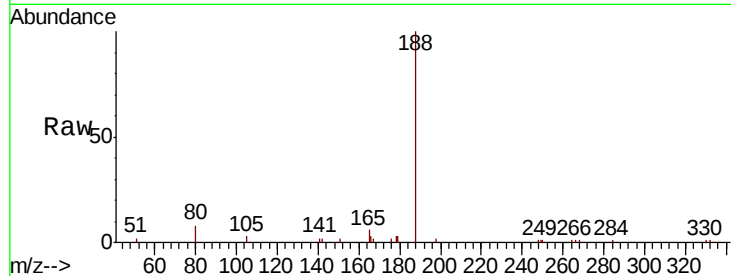
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	6.3	9.5

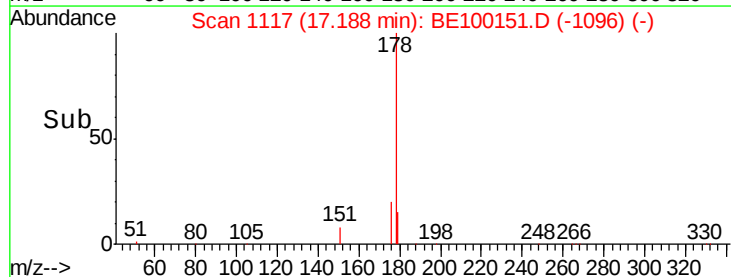
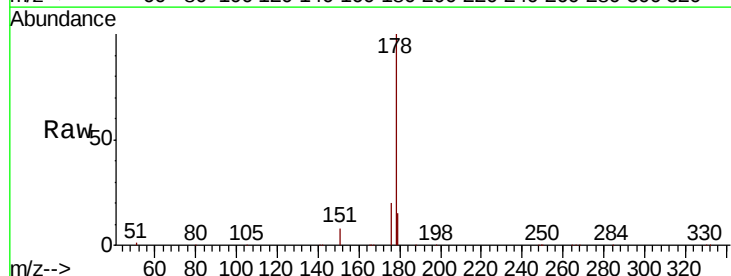
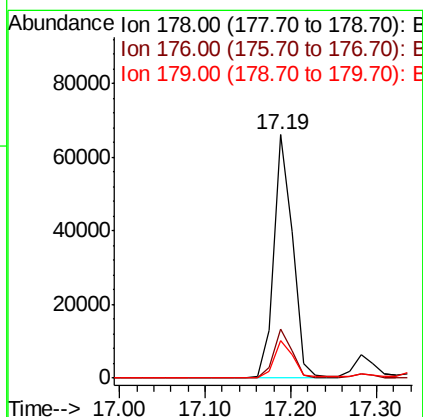
Manual Integrations
APPROVED

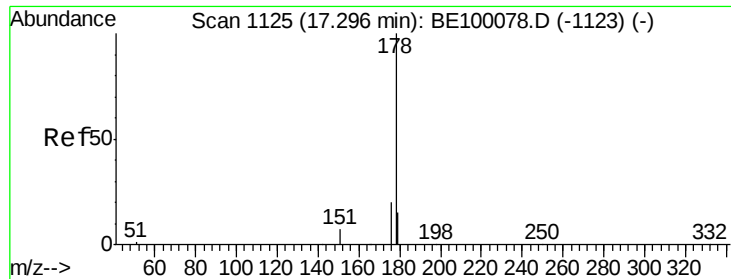
mohammad
6/25/2019 3:21:43 PM



#23
Phenanthrene
Concen: 5.618 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.6	13.1	19.7





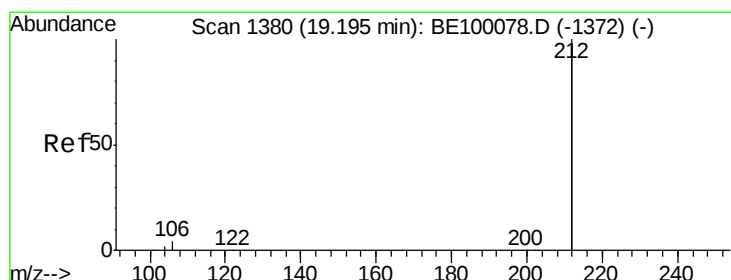
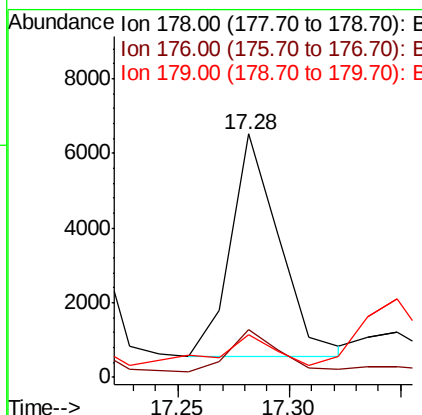
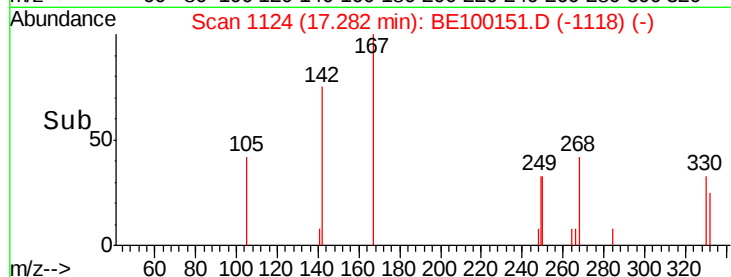
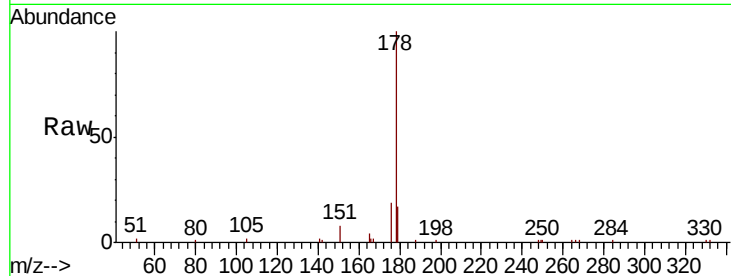
#24
 Anthracene
 Concen: 0.597 ng
 RT: 17.28 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW165-061319

Tot Ion:	178	Resp:	8956
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.6
179	14.2	12.0	18.0

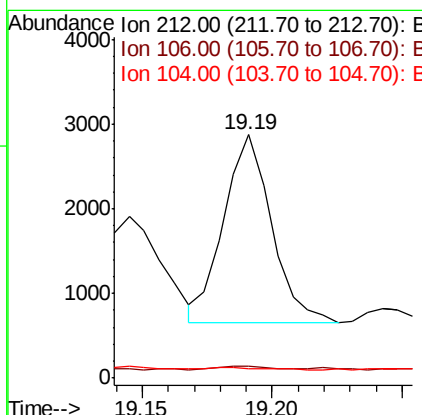
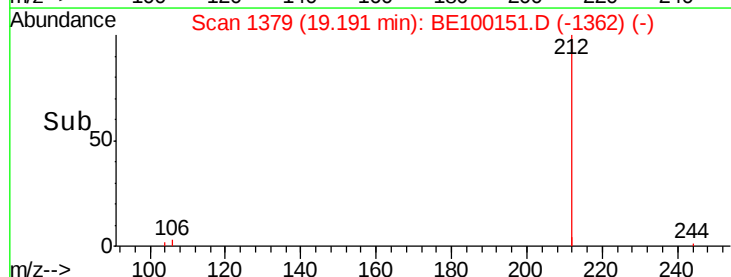
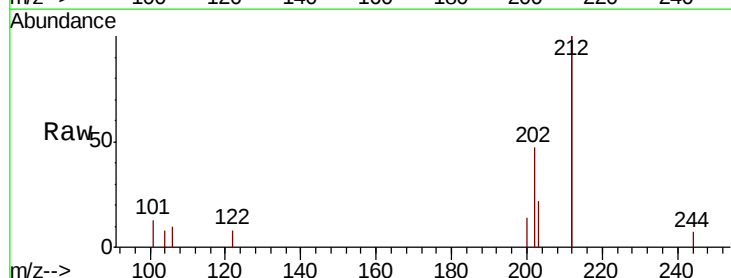
Manual Integrations
 APPROVED

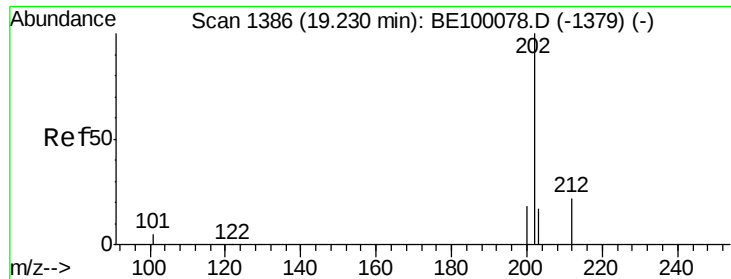
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.027 ng
 RT: 19.19 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Tgt Ion:	212	Resp:	2835
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.4	2.0
104	1.8	0.8	1.2#





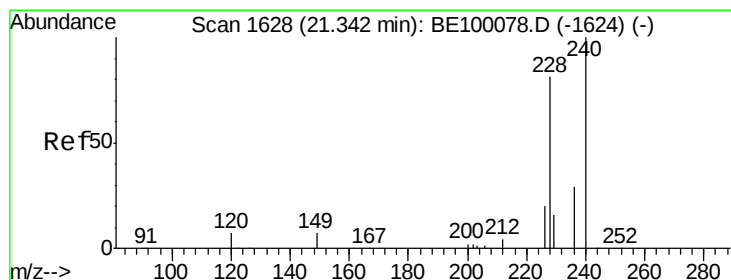
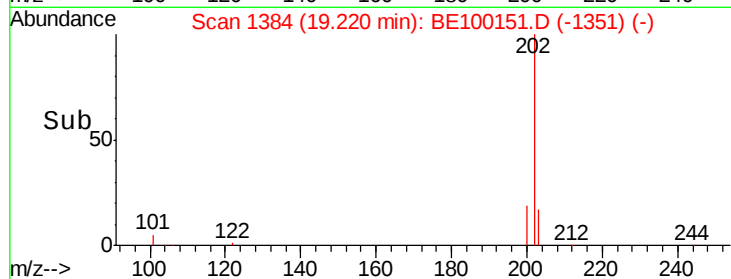
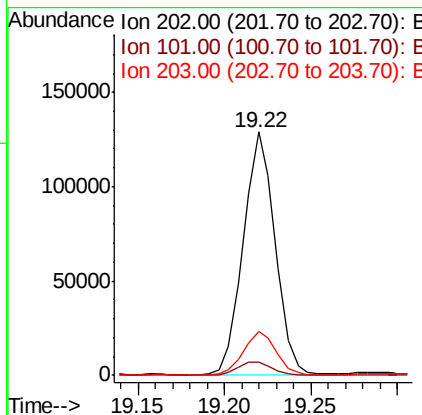
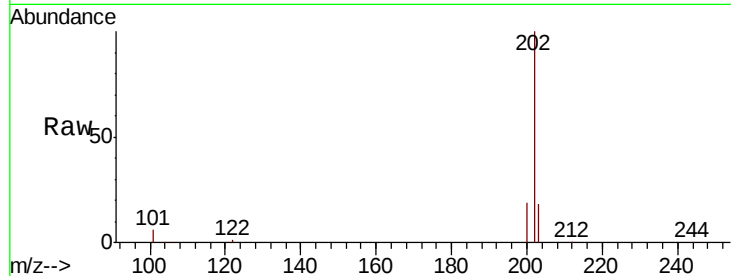
#26
Fluoranthene
 Concen: 5.781 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW165-061319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	165130		
101	5.7	5.0	7.4	
203	18.0	13.7	20.5	

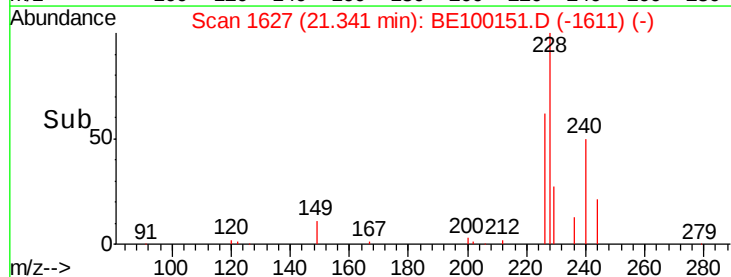
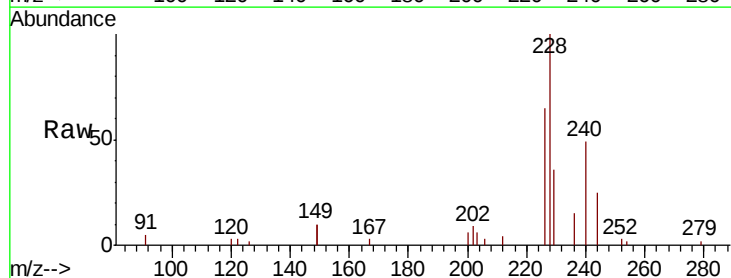
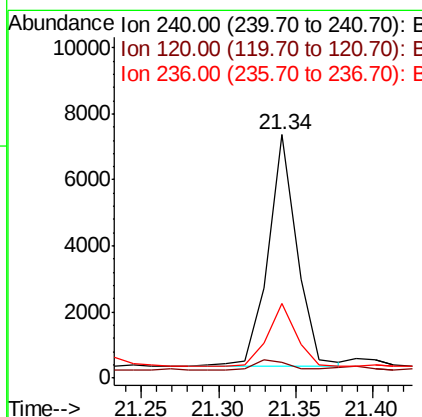
Manual Integrations
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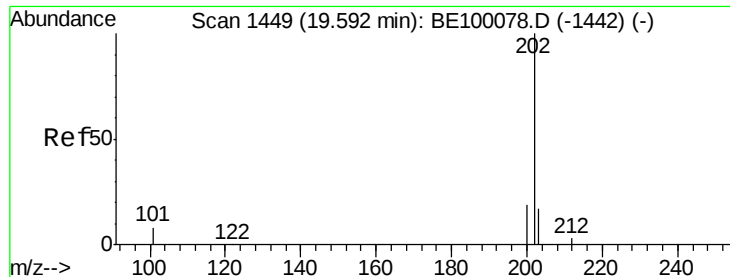
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BE100151.D
 Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	9180		
120	6.4	6.6	10.0#	
236	30.7	23.8	35.6	





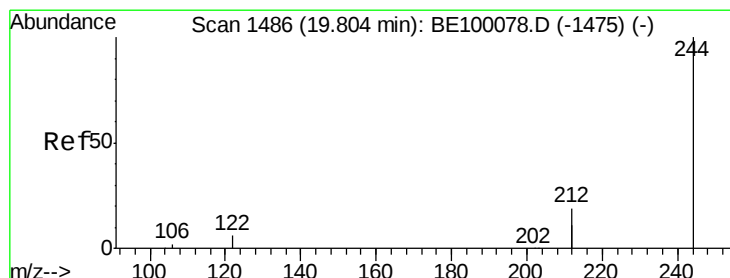
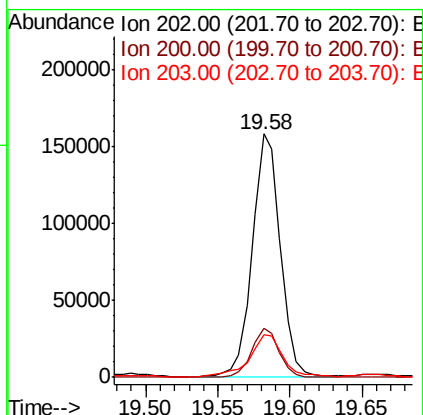
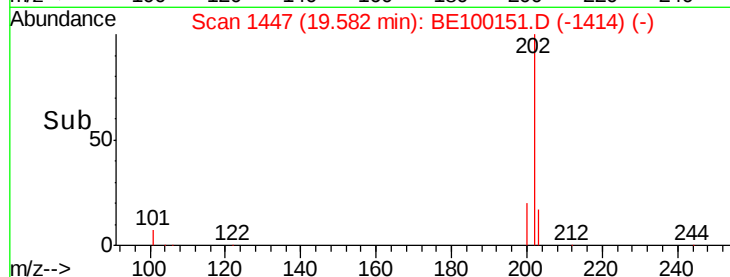
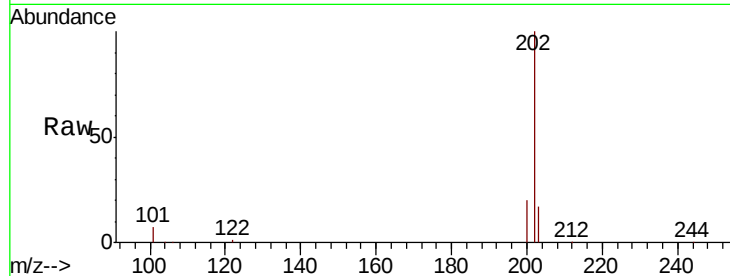
#28
Pvrene
Concen: 9.039 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.1	13.9	20.9

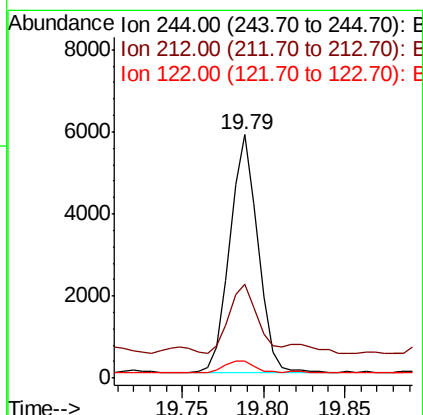
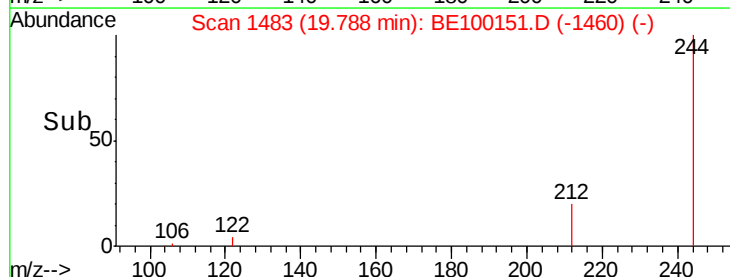
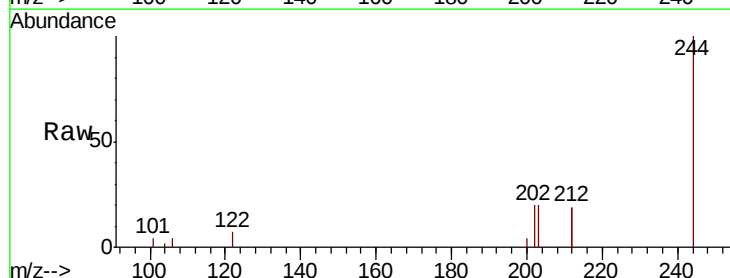
Manual Integrations
APPROVED

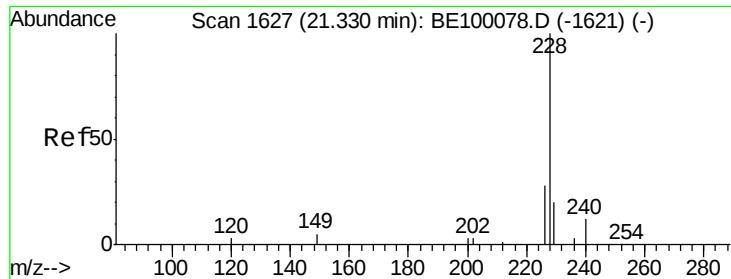
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#29
Terphenyl-d14
Concen: 0.379 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	38.5	29.8	44.8
122	6.8	6.1	9.1





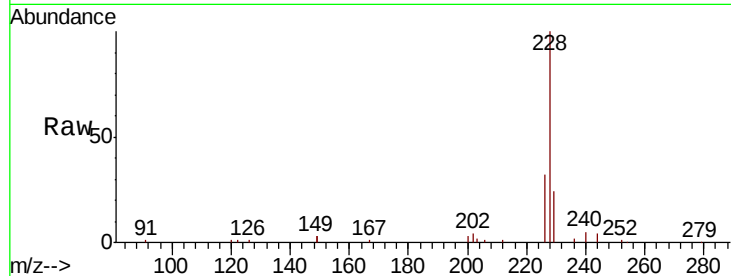
#30
Benzo(a)anthracene
Concen: 3.709 ng
RT: 21.33 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.0	34.4
229	24.4	16.4	24.6

Manual Integrations
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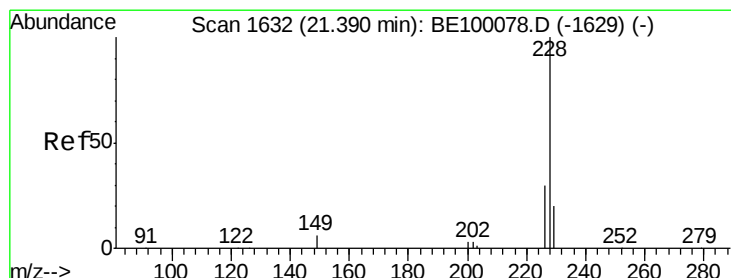
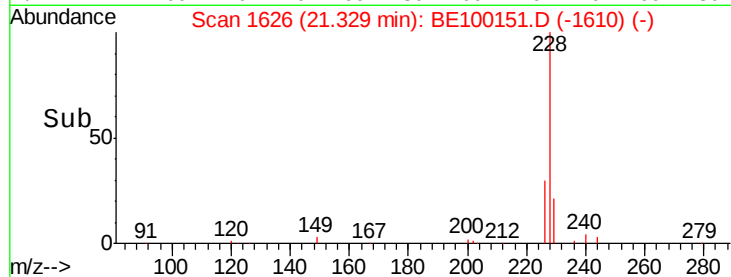
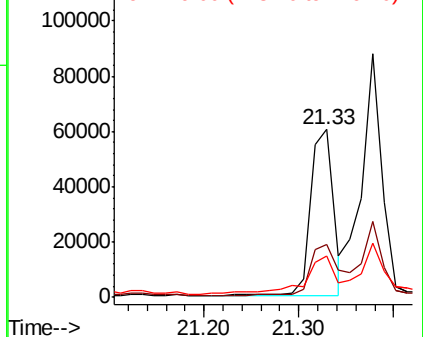


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 4.144 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

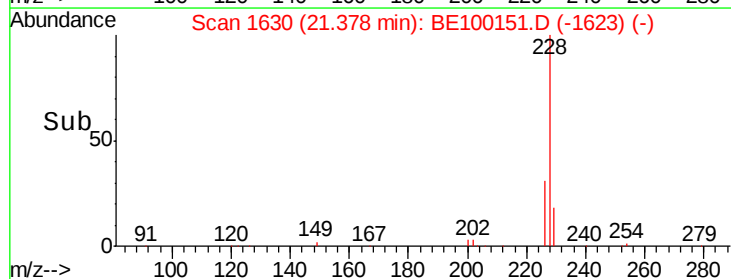
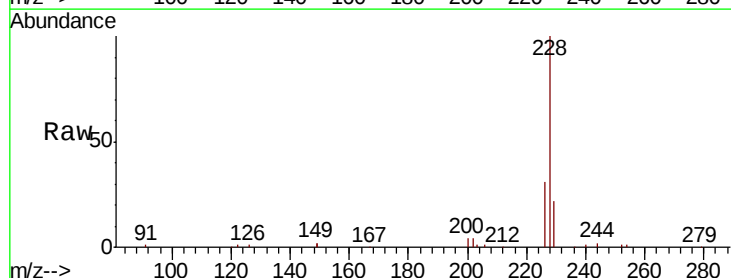
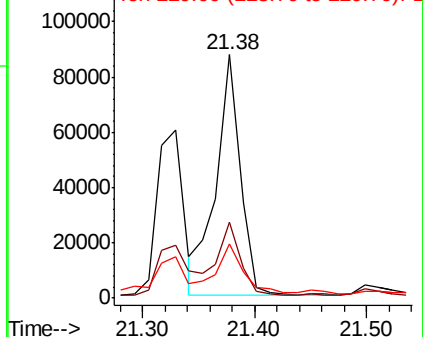
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.8	35.8
229	22.3	16.3	24.5

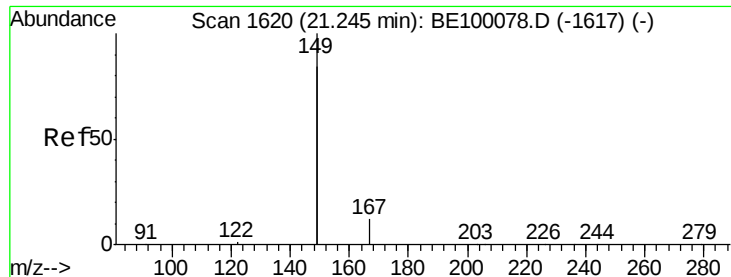
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





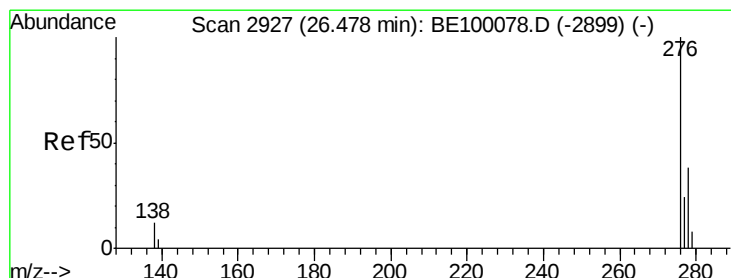
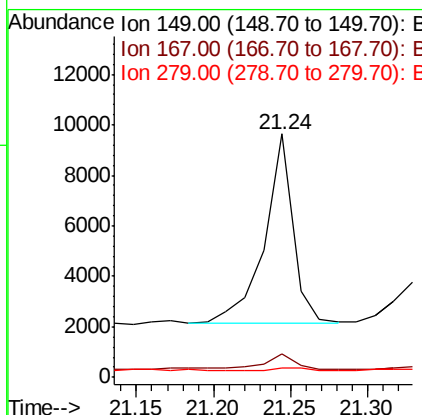
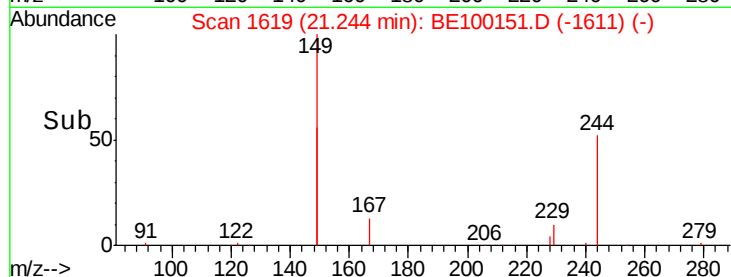
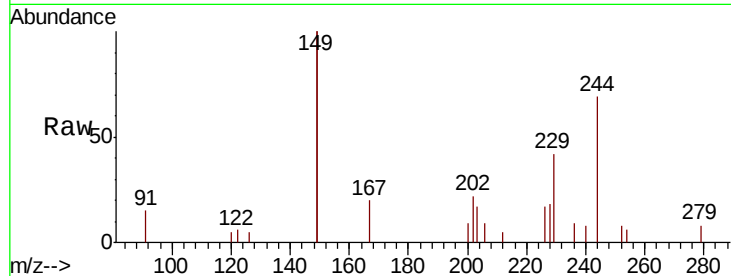
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.377 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.9	5.8	8.6#
279	1.4	1.1	1.7

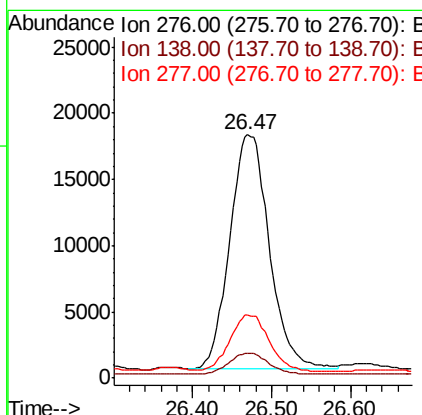
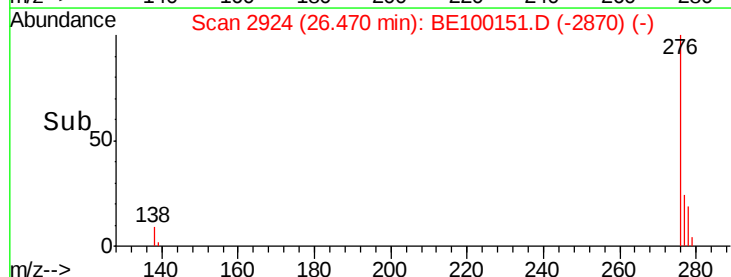
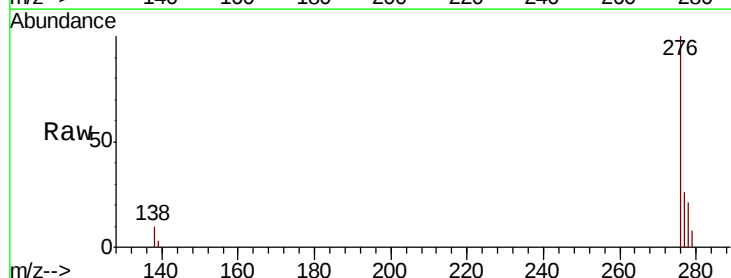
Manual Integrations
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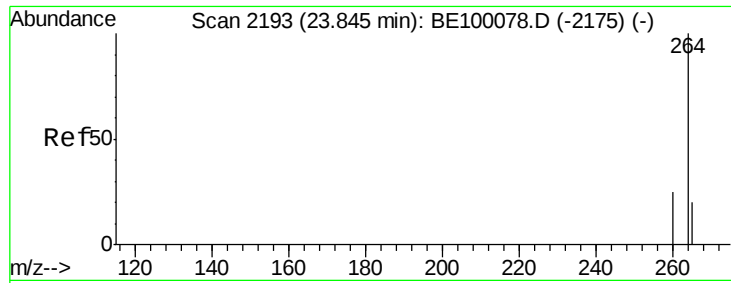
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 1.731 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.1	4.3	6.5#
277	24.1	19.4	29.0





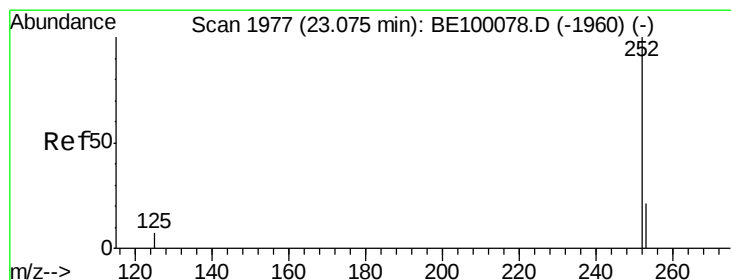
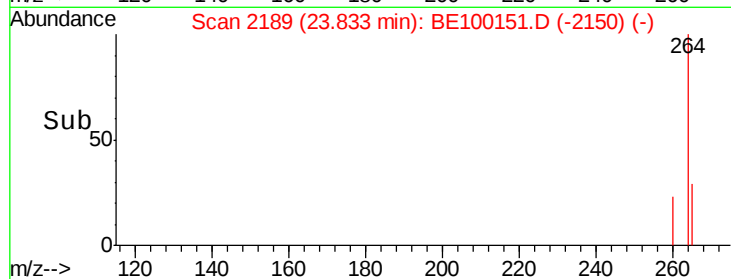
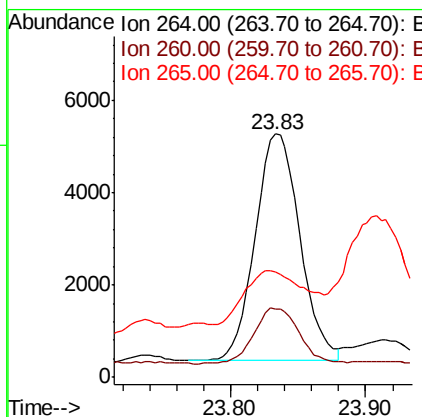
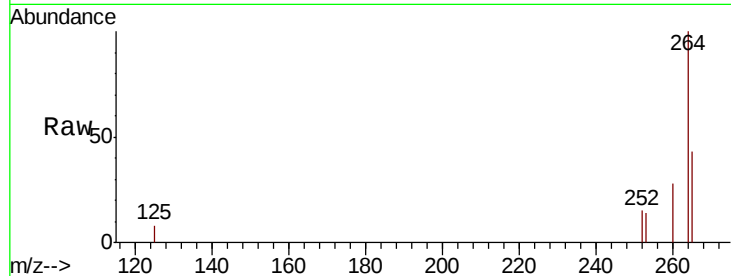
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.8	31.2
265	43.3	23.2	34.8#

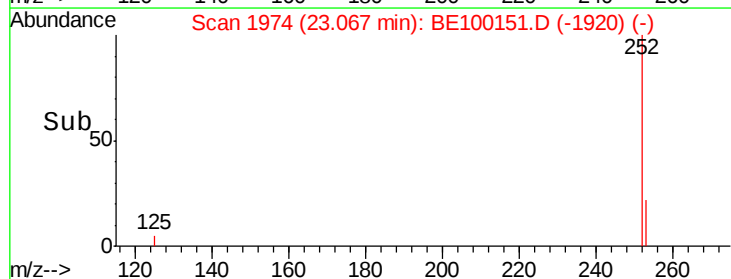
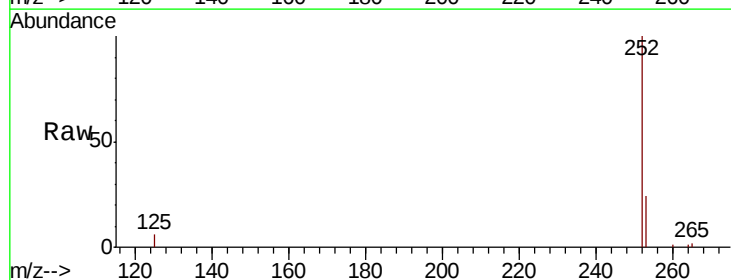
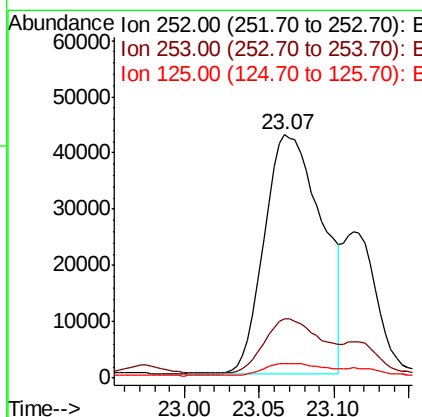
Manual Integrations
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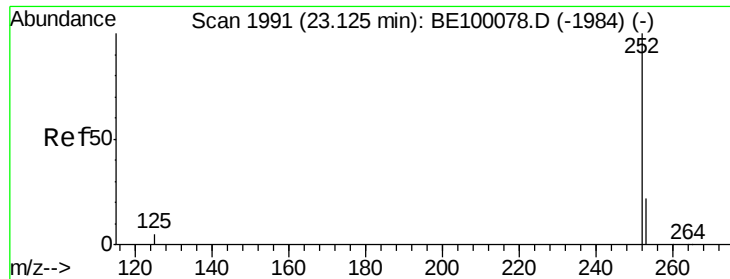
mohammad
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#35
Benzo(b)fluoranthene
Concen: 3.429 ng
RT: 23.07 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	6.2	6.4	9.6#





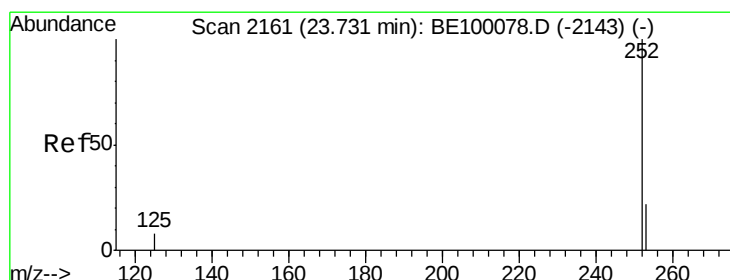
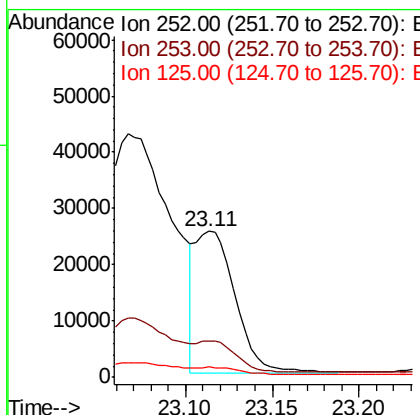
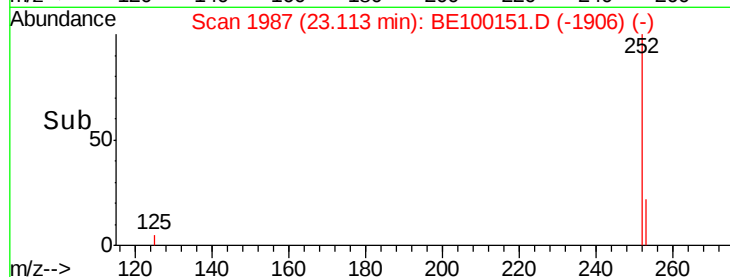
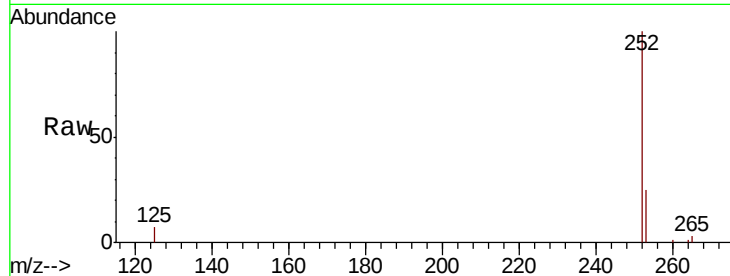
#36
Benzo(k)fluoranthene
Concen: 1.065 ng m
RT: 23.11 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.9	28.3
125	6.9	5.3	7.9

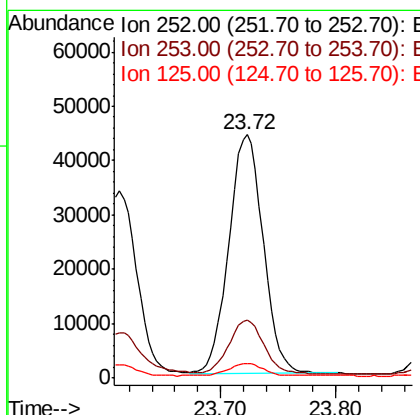
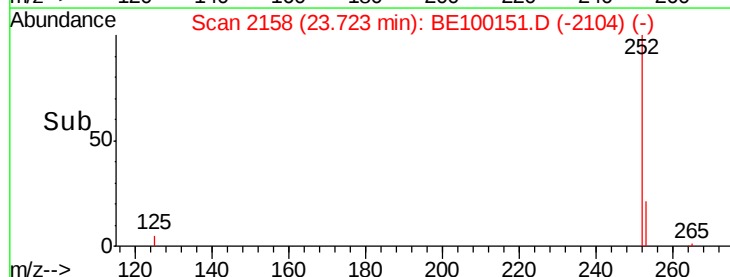
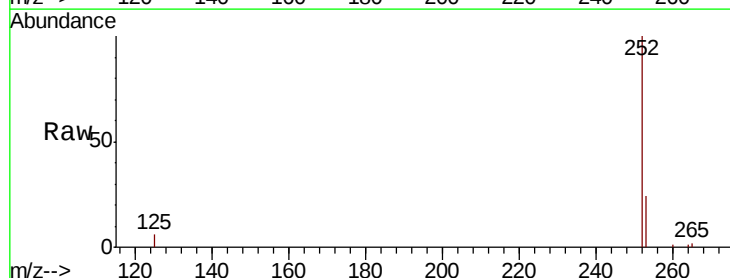
Manual Integrations
APPROVED

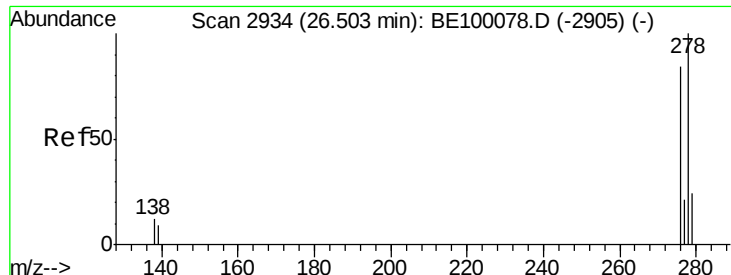
mohammad
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#37
Benzo(a)pyrene
Concen: 2.846 ng m
RT: 23.72 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.2
125	5.9	8.0	12.0





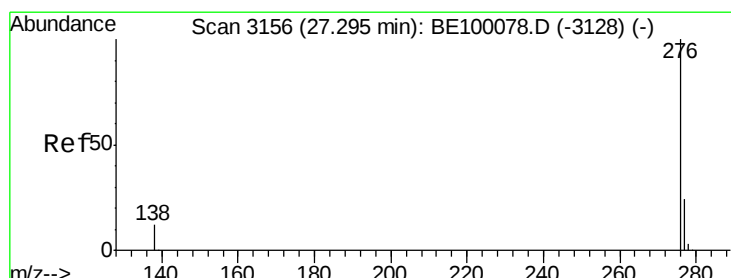
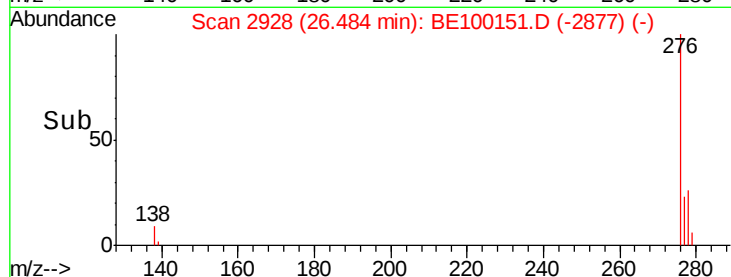
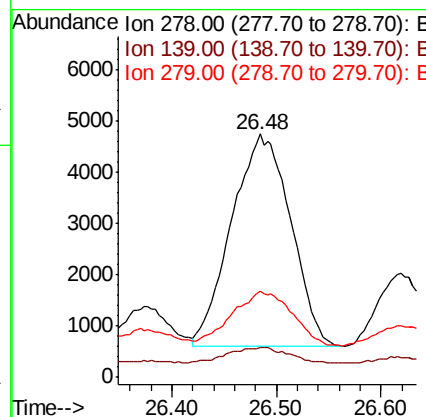
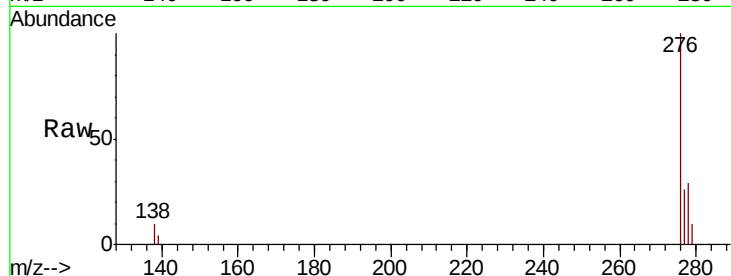
#38
Dibenzo(a,h)anthracene
Concen: 0.495 ng
RT: 26.48 min Scan# 2928
Delta R.T. -0.02 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW165-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.0	13.6
279	35.5	21.4	32.0

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 2.008 ng
RT: 27.29 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE100151.D
Acq: 22 Jun 2019 2:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.3	30.5
138	10.5	11.3	16.9

