

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100254.D
 Acq On : 29 Jun 2019 2:52
 Operator : JU/SJ
 Sample : K3428-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW159-061319

Manual Integrations
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Quant Time: Jun 29 03:53:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 00:22:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	764	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	2605	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2052	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6166	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8140	0.40	ng	0.00
34) Perylene-d12	23.67	264	9966	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	636	0.33	ng	0.00
5) Phenol-d6	6.83	99	919	0.36	ng	0.00
8) Nitrobenzene-d5	8.81	82	876	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1866	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	569	0.40	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2675	0.33	ng	0.00
25) Fluoranthene-d10	19.10	212	32847	0.37	ng	0.00
29) Terphenyl-d14	19.70	244	6191	0.37	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	2050	0.071	ng	# 93
12) 2-Methylnaphthalene	12.12	142	433	0.086	ng	95
16) Acenaphthylene	14.04	152	3024	0.307	ng	98
17) Acenaphthene	14.38	154	554	0.099	ng	96
18) Fluorene	15.35	166	1330	0.161	ng	# 83
23) Phenanthrene	17.09	178	33620	2.250	ng	100
24) Anthracene	17.19	178	4231	0.314	ng	97
26) Fluoranthene	19.13	202	55045	2.312	ng	98
28) Pyrene	19.49	202	69847	3.241	ng	# 96
30) Benzo(a)anthracene	21.23	228	35339m	1.320	ng	
31) Chrysene	21.28	228	43833	1.631	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	15489	0.352	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	18498	0.520	ng	98
35) Benzo(b)fluoranthene	22.93	252	36657	1.357	ng	95
36) Benzo(k)fluoranthene	22.97	252	14495m	0.481	ng	
37) Benzo(a)pyrene	23.56	252	29538	1.091	ng	# 96
38) Dibenzo(a,h)anthracene	26.23	278	5505	0.195	ng	# 73
39) Benzo(a,h,i)perylene	27.02	276	20446	0.704	ng	98

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

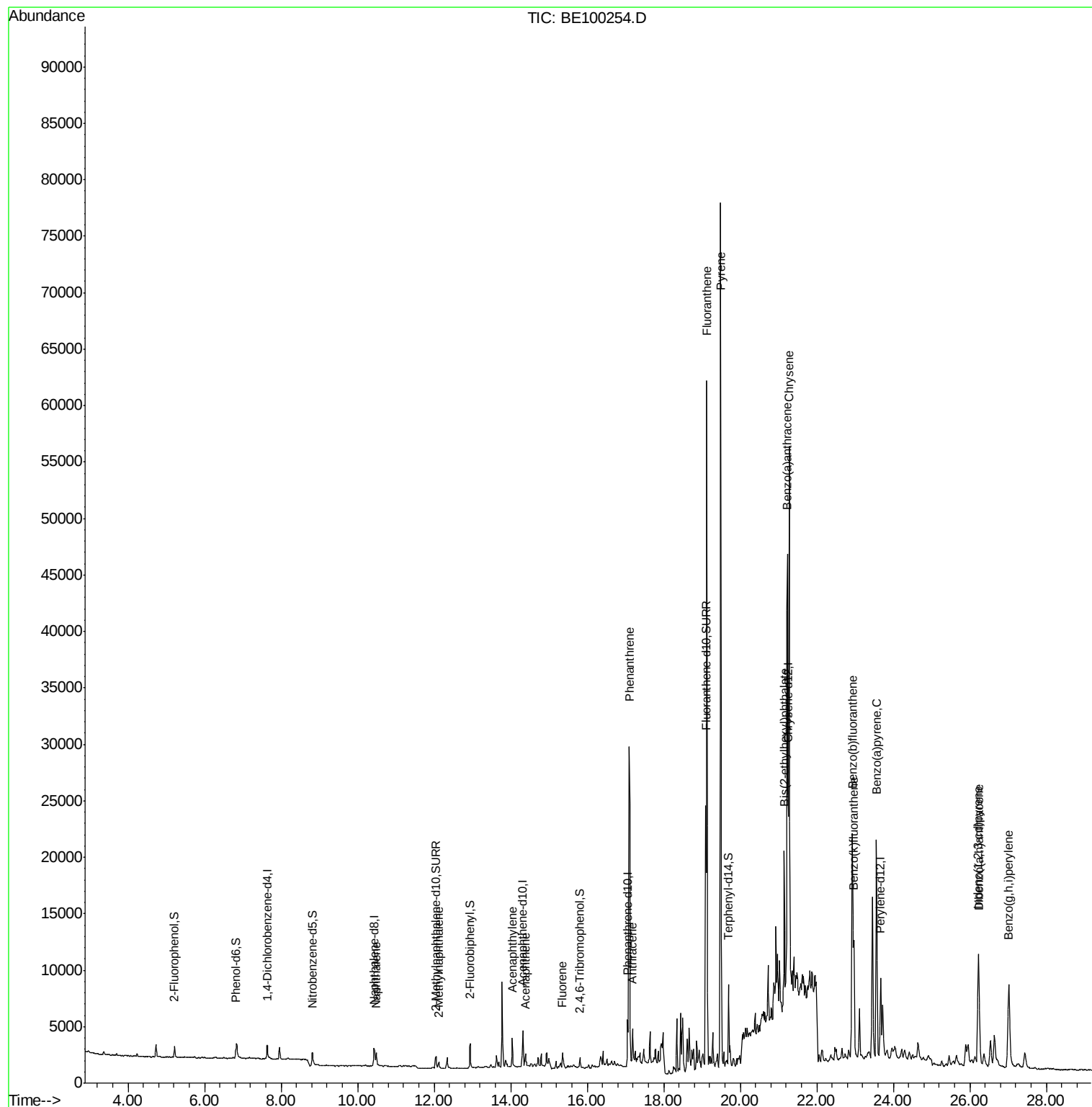
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
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Operator : JU/SJ
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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#1

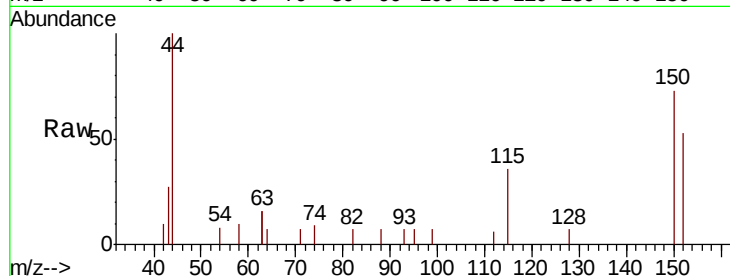
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.1	114.5	171.7
115	66.9	57.1	85.7

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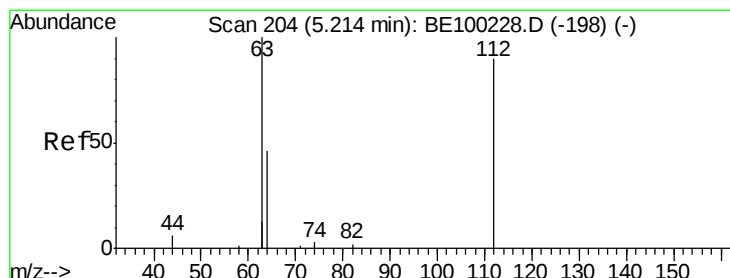
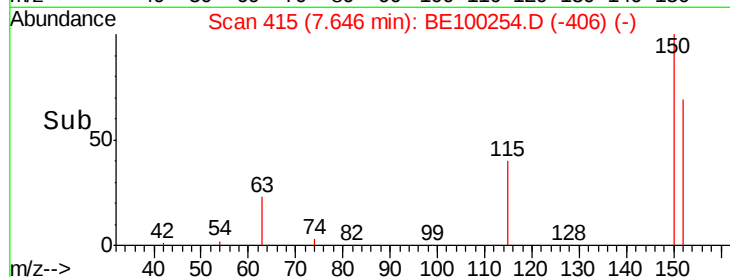
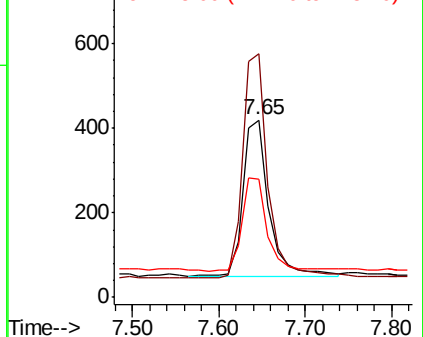


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

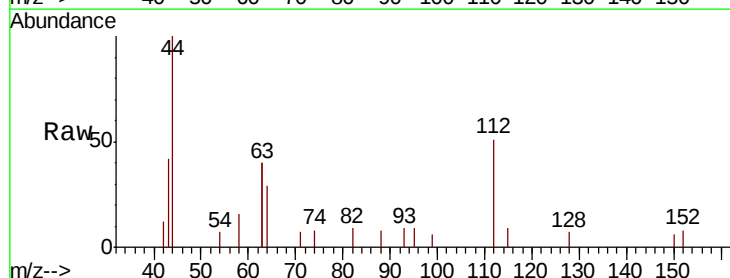
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.326 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	39.4	59.0
63	135.8	104.5	156.7

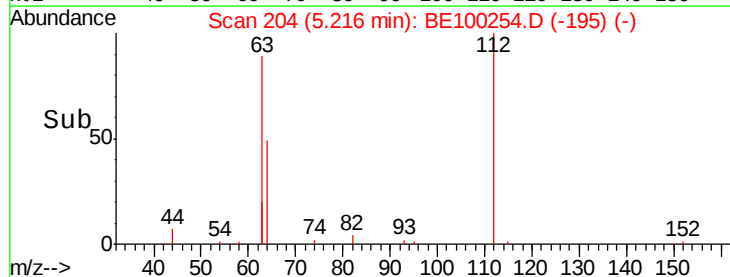
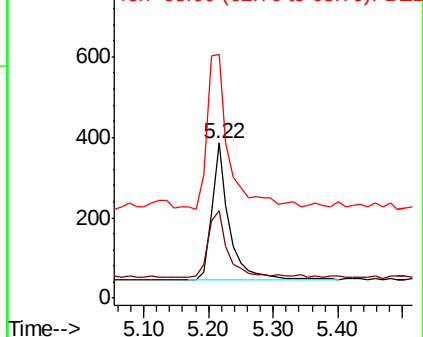


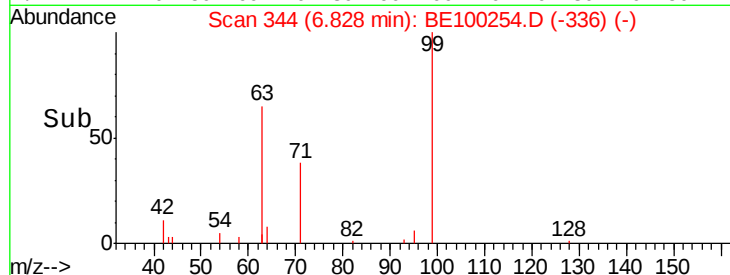
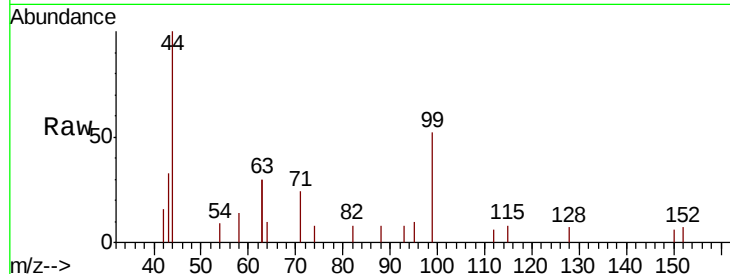
Abundance

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





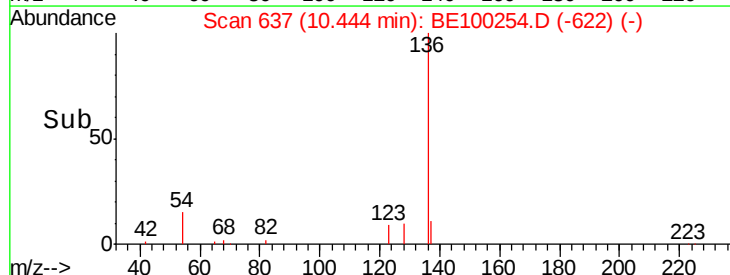
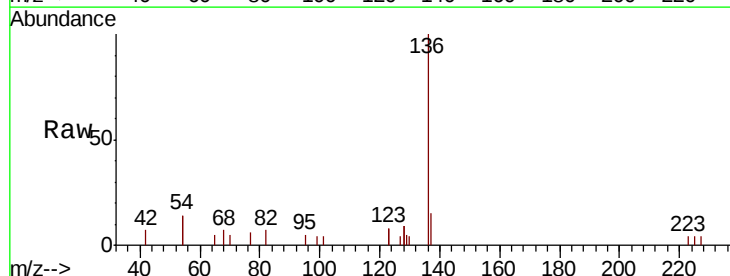
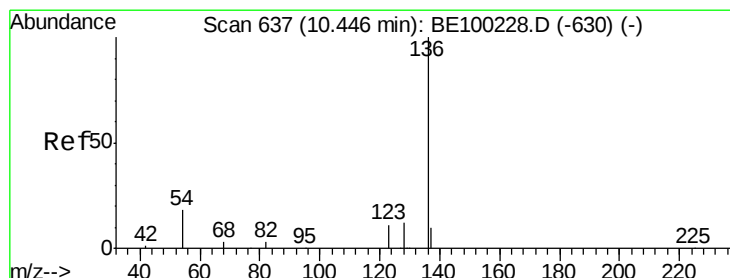
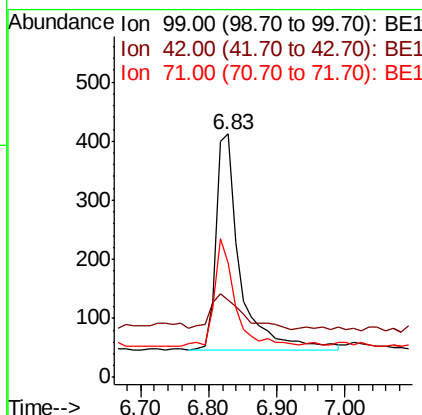
#5
Phenol-d6
Concen: 0.359 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.1	11.2	16.8#
71	41.2	37.2	55.8

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

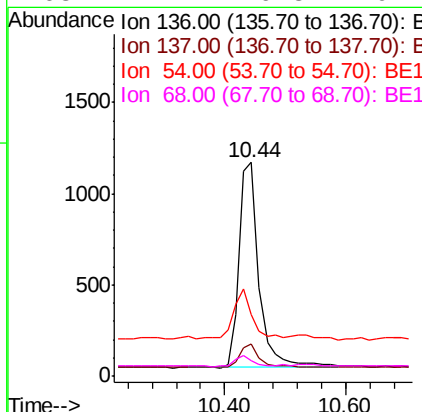
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.8	17.8
54	28.7	27.7	41.5
68	7.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.338 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100254.D

Acq: 29 Jun 2019 2:52

Instrument :

BNA_E

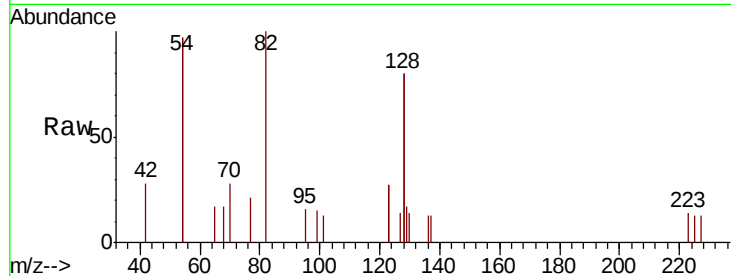
ClientSampleId :

EXT-013-SW159-061319

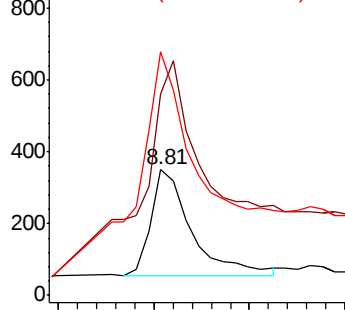
Tot Ion:	82	Resp:	876
Ion	Ratio	Lower	Upper
82	100		
128	160.6	140.9	211.3
54	193.7	146.2	219.2

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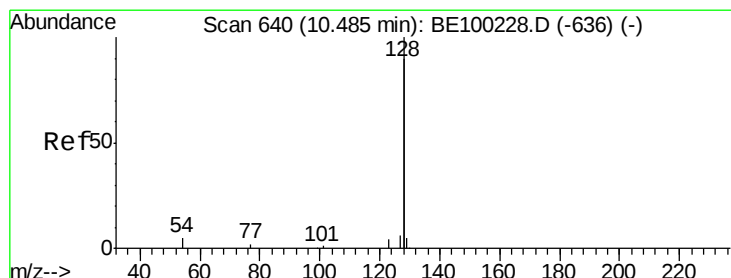
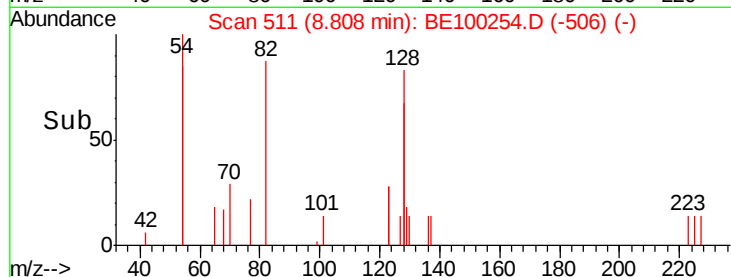
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



Time--> 8.70 8.80 8.90



#9

Naphthalene

Concen: 0.071 ng

RT: 10.48 min Scan# 640

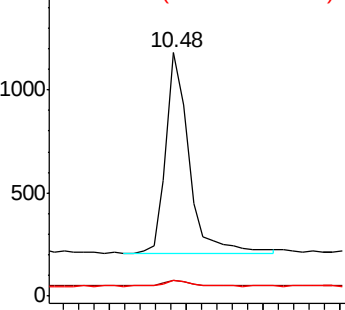
Delta R.T. -0.00 min

Lab File: BE100254.D

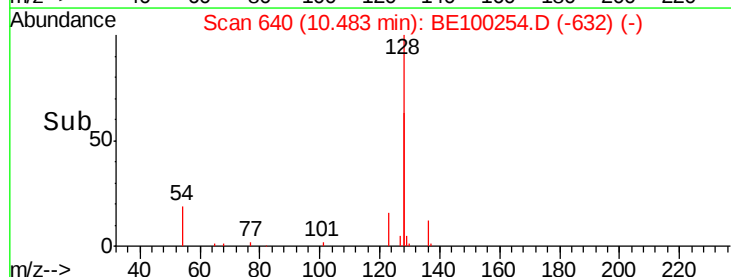
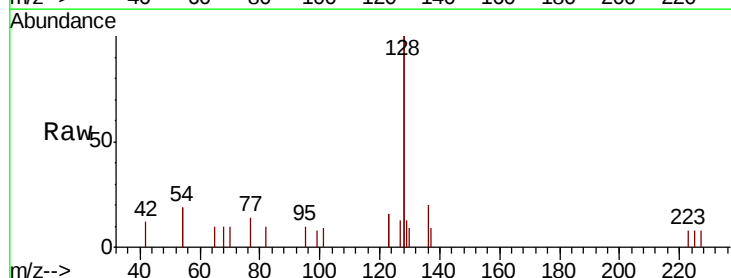
Acq: 29 Jun 2019 2:52

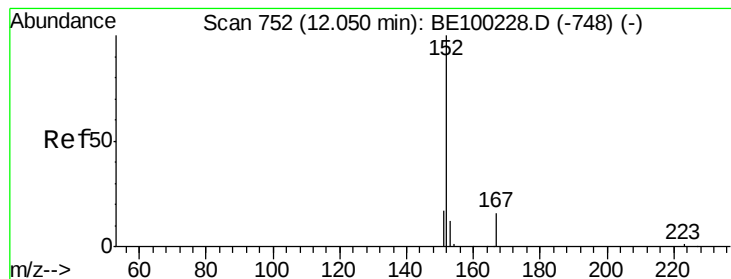
Tgt Ion:	128	Resp:	2050
Ion	Ratio	Lower	Upper
128	100		
129	6.5	3.0	4.6#
127	6.5	3.5	5.3#

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



Time--> 10.40 10.50 10.60





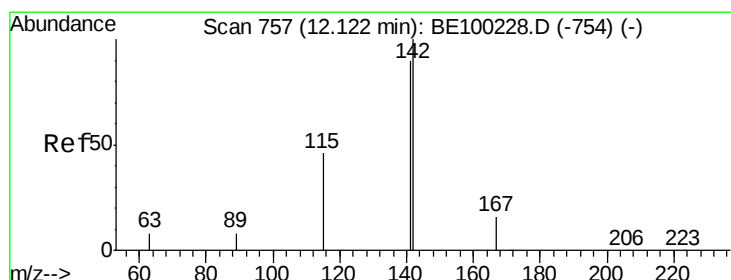
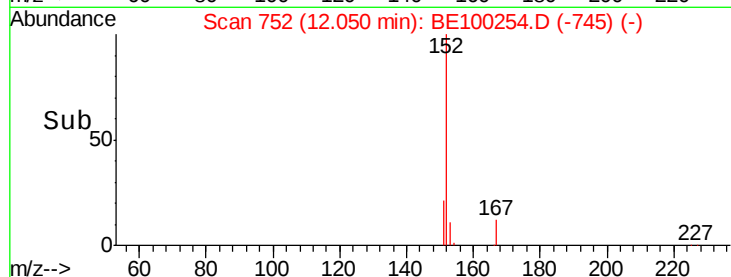
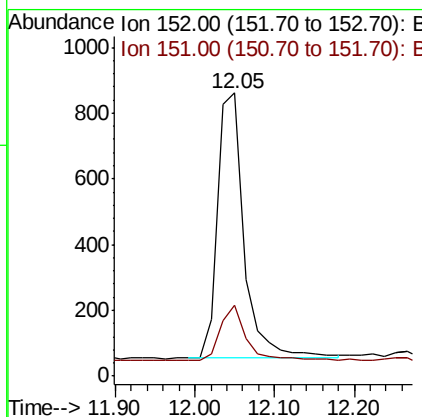
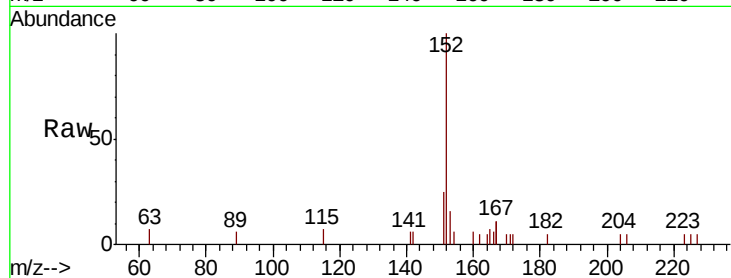
#11
2-Methylnaphthalene-d10
Concen: 0.381 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.1	22.7

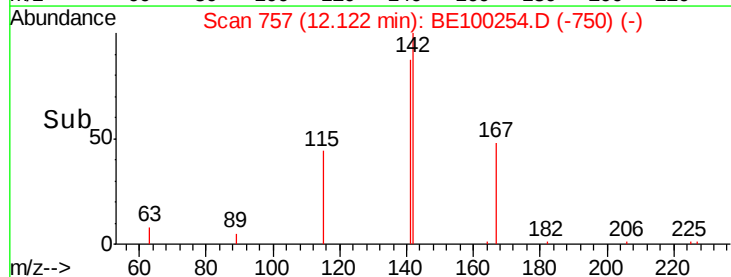
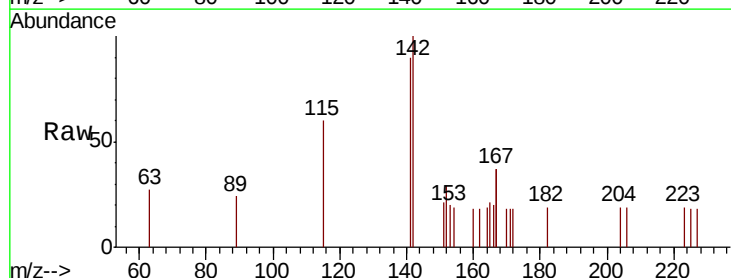
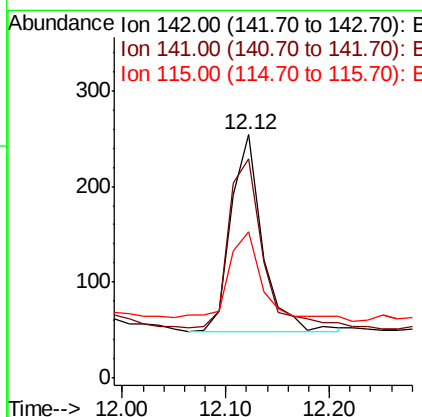
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#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.4	108.6
115	59.8	40.4	60.6





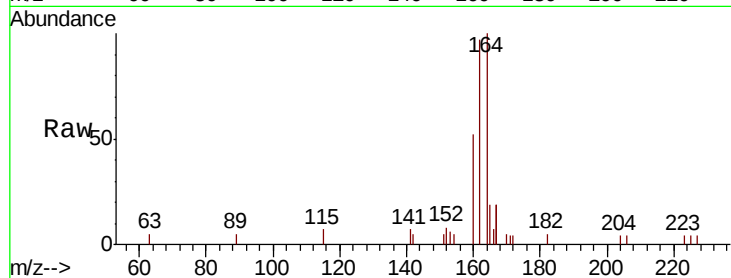
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.8	83.4	125.0
160	51.8	45.0	67.6

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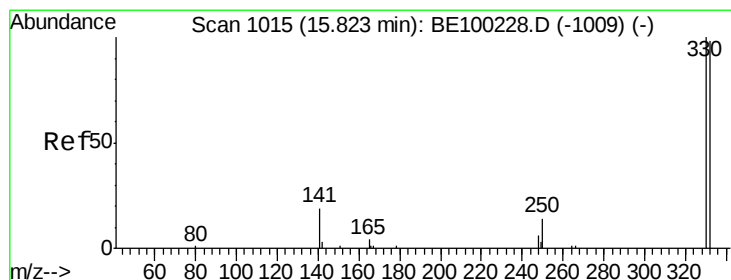
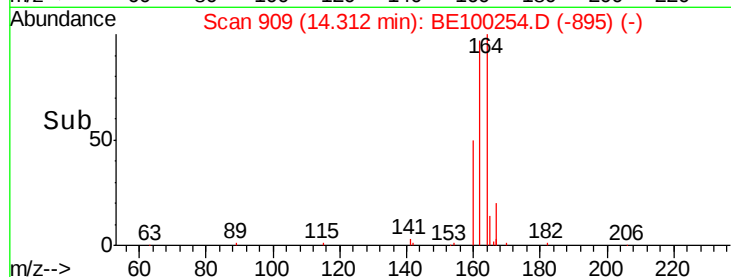
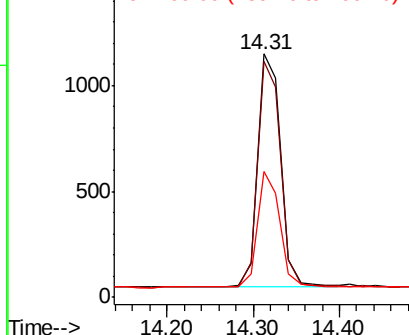


Abundance

Ion 164.00 (163.70 to 164.70): E

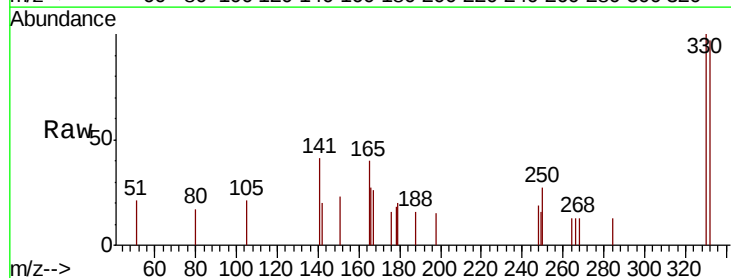
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.396 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.4
141	47.5	22.0	33.0#

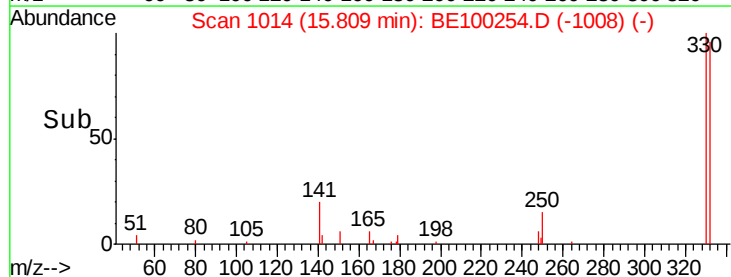
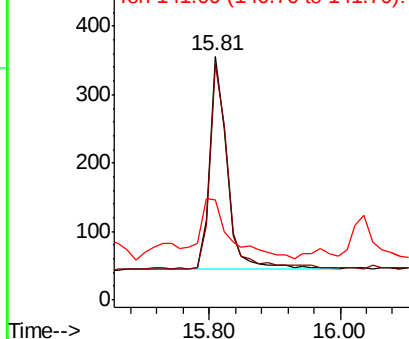


Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





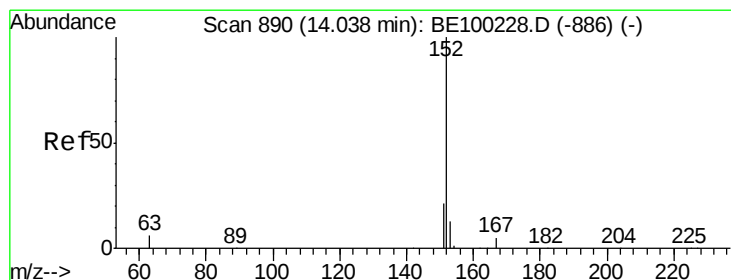
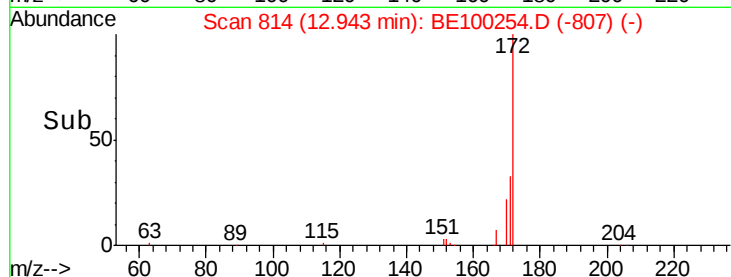
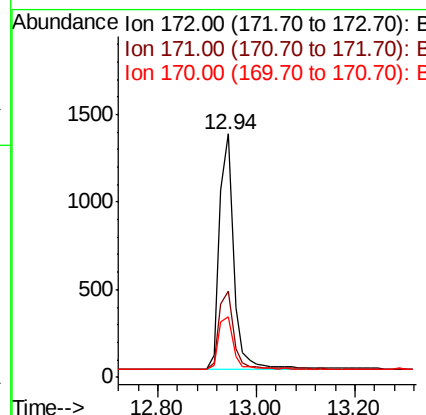
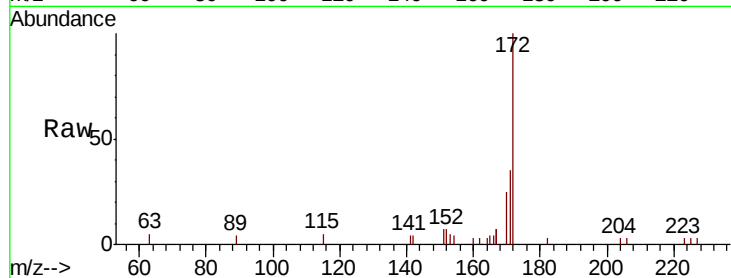
#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	31.9	47.9
170	24.9	22.2	33.2

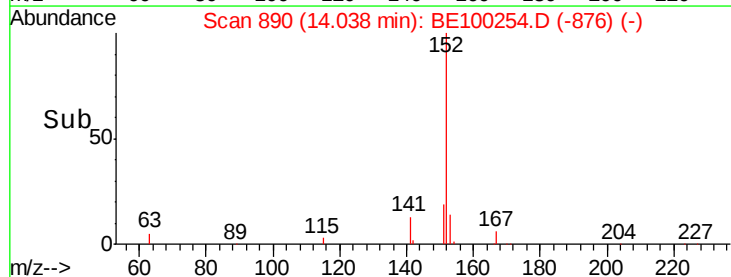
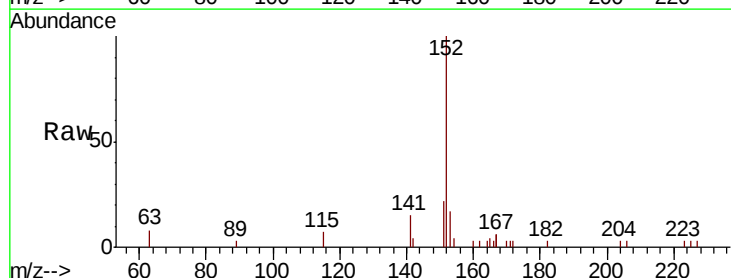
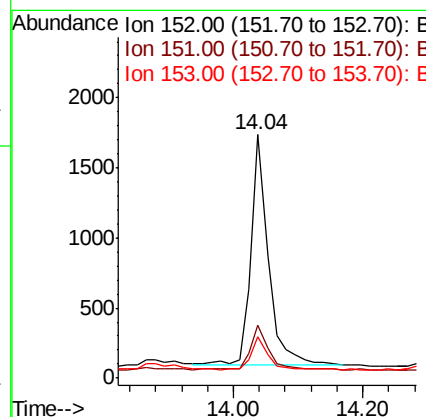
Manual Integrations
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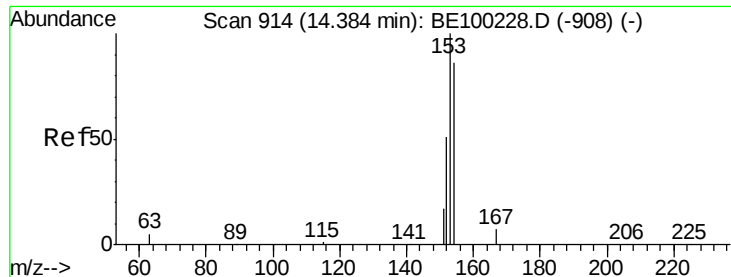
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#16
Acenaphthylene
Concen: 0.307 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0
153	14.5	10.5	15.7





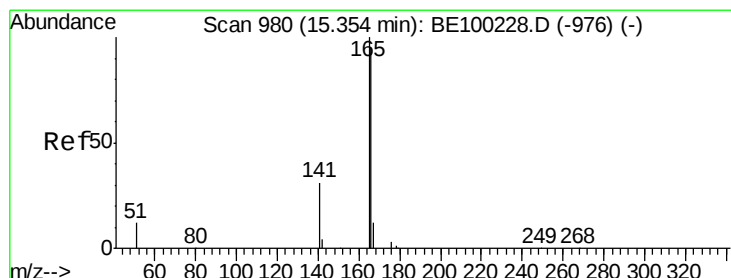
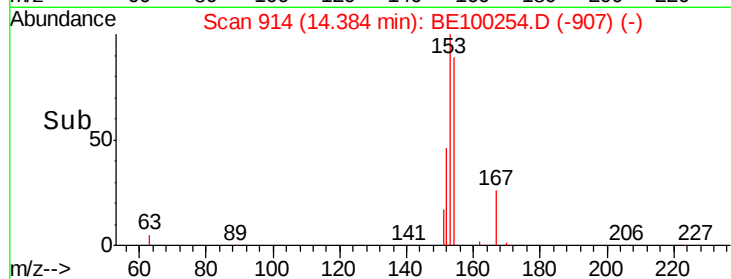
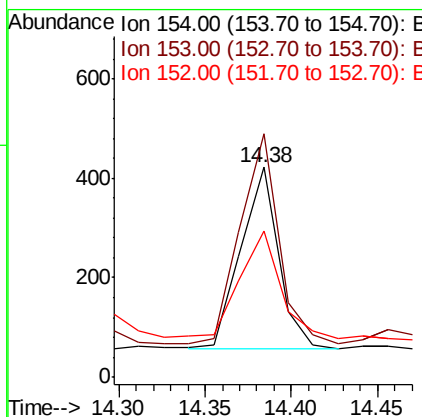
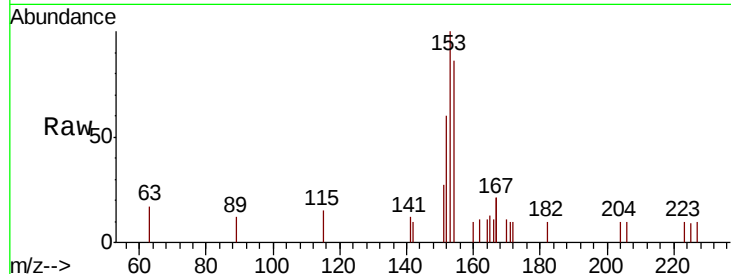
#17
Acenaphthene
Concen: 0.099 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.4	93.4	140.2
152	68.1	49.4	74.2

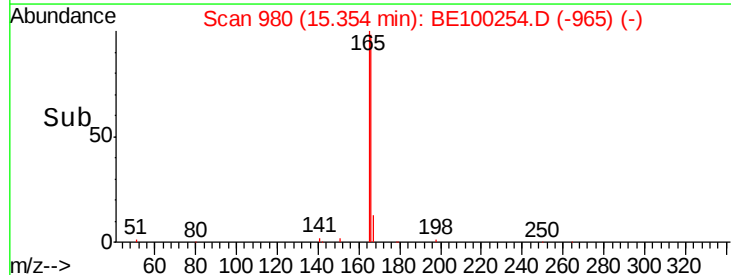
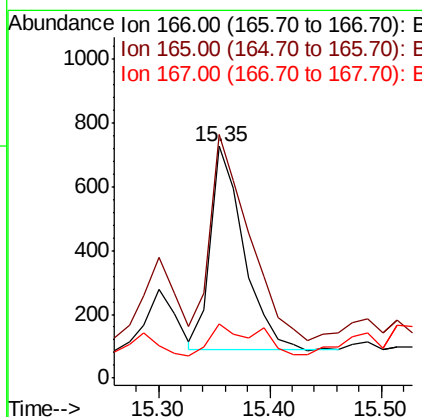
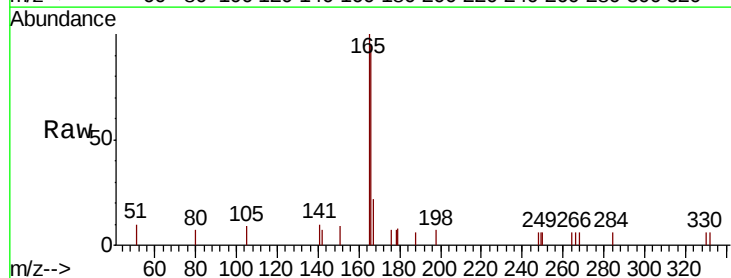
Manual Integrations
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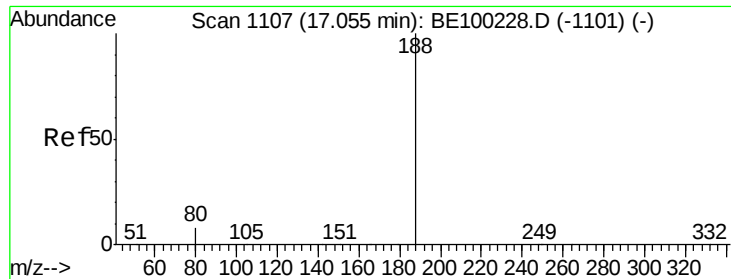
mohammad
7/1/2019 3:07:55 PM



#18
Fluorene
Concen: 0.161 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.0	81.1	121.7
167	23.0	10.7	16.1#





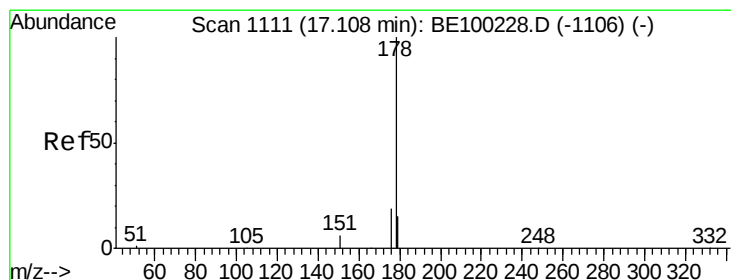
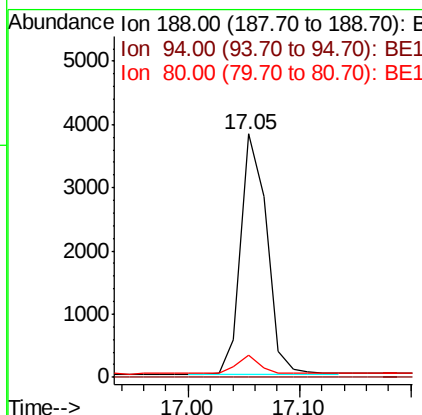
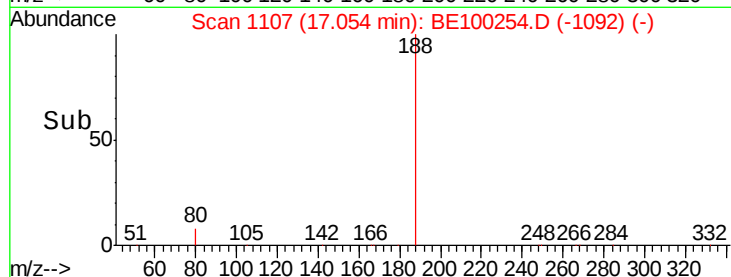
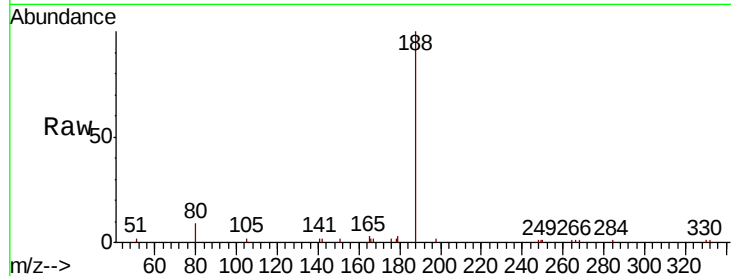
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6166		
94	0.0	0.0	0.0	0.0
80	9.0	7.6	11.4	

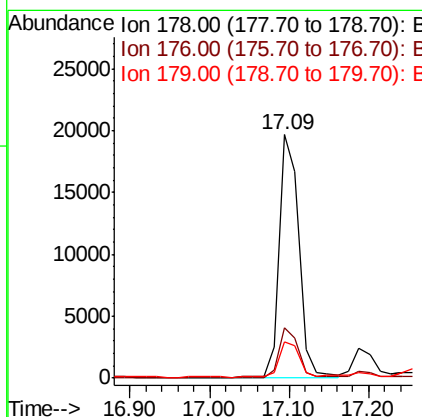
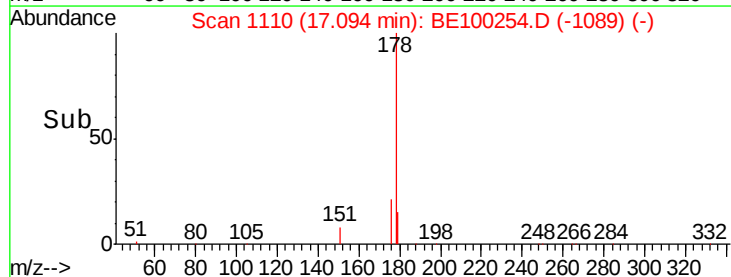
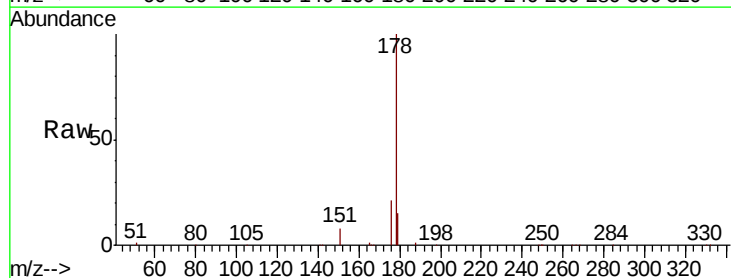
Manual Integrations
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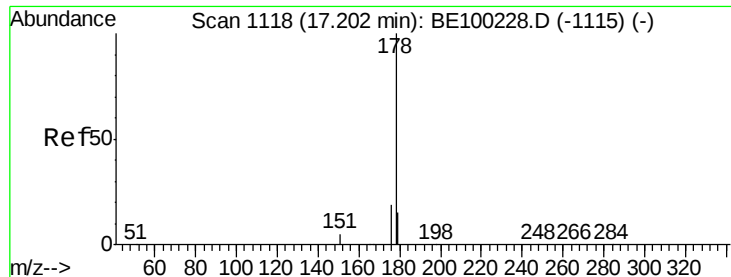
mohammad
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#23
Phenanthrene
Concen: 2.250 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	33620		
176	19.8	15.9	23.9	
179	15.4	12.2	18.2	





#24

Anthracene

Concen: 0.314 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100254.D

Acq: 29 Jun 2019 2:52

Instrument :

BNA_E

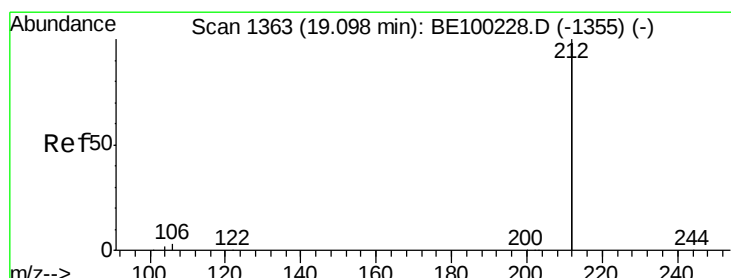
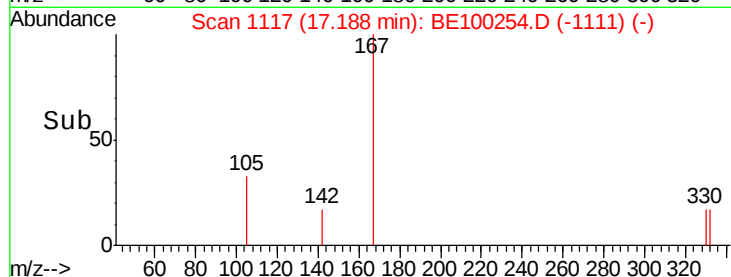
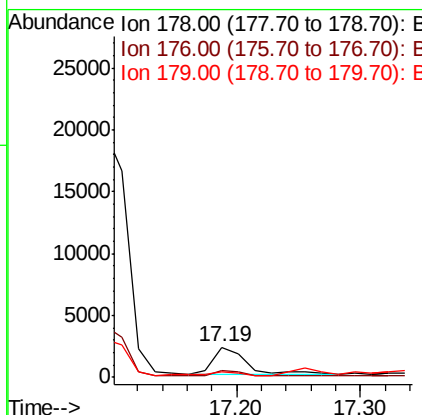
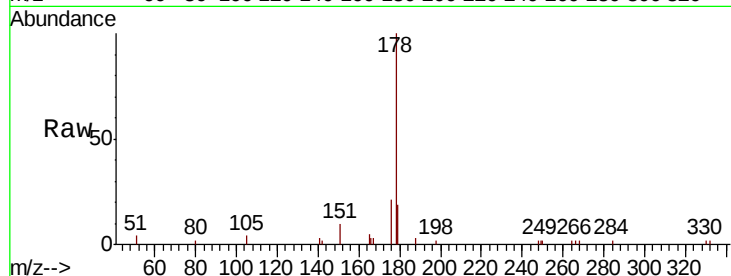
ClientSampleId :

EXT-013-SW159-061319

Tot Ion:	178	Resp:	4231
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	12.3	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.367 ng

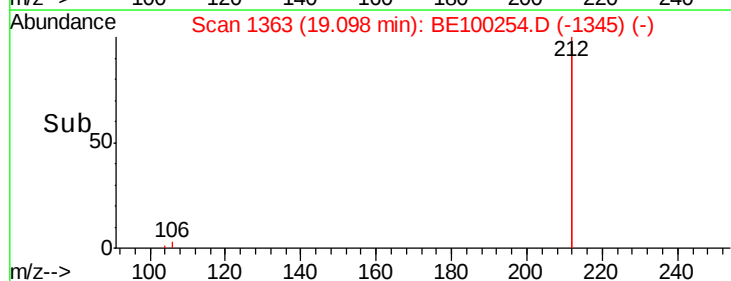
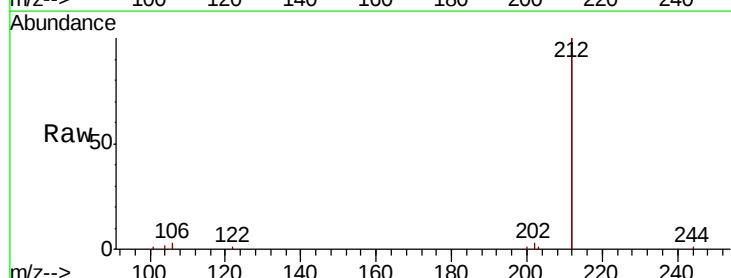
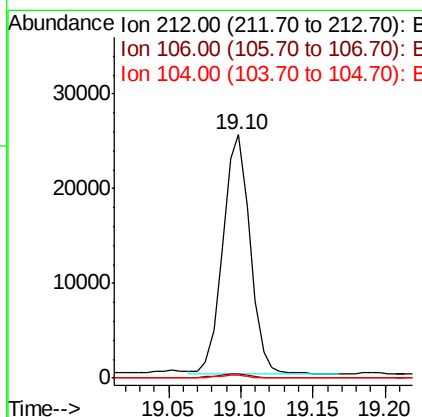
RT: 19.10 min Scan# 1363

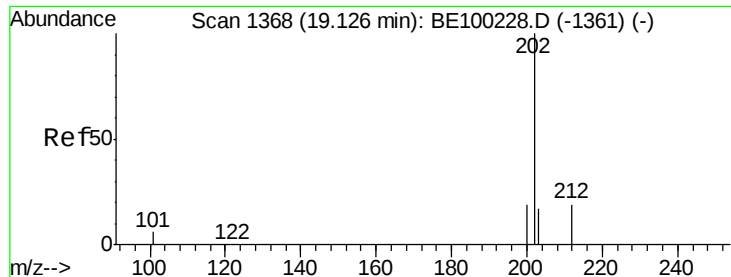
Delta R.T. 0.00 min

Lab File: BE100254.D

Acq: 29 Jun 2019 2:52

Tgt Ion:	212	Resp:	32847
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





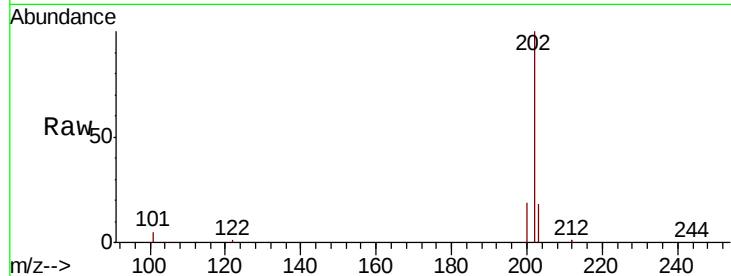
#26
 Fluoranthene
 Concen: 2.312 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100254.D
 Acq: 29 Jun 2019 2:52

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	18.0	13.7	20.5

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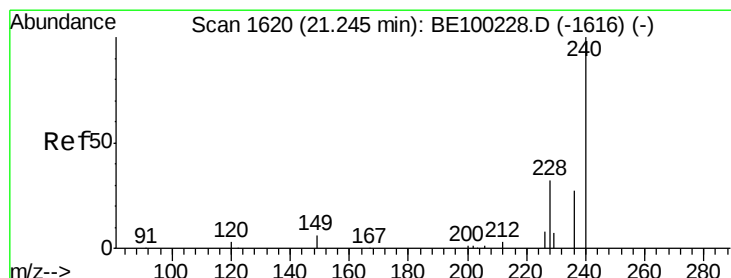
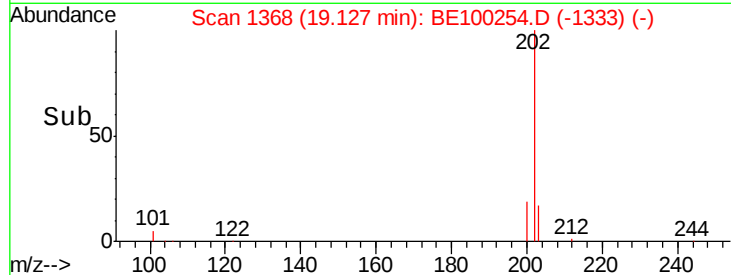
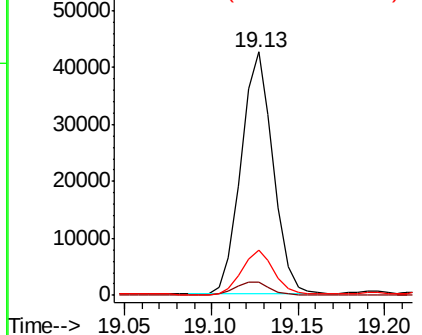


Abundance

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: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100254.D
 Acq: 29 Jun 2019 2:52

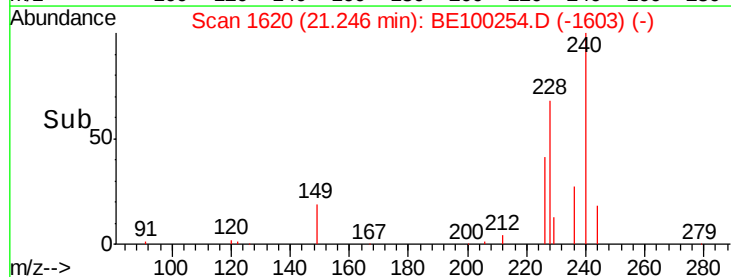
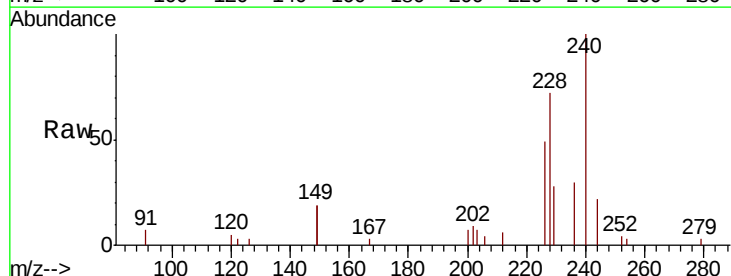
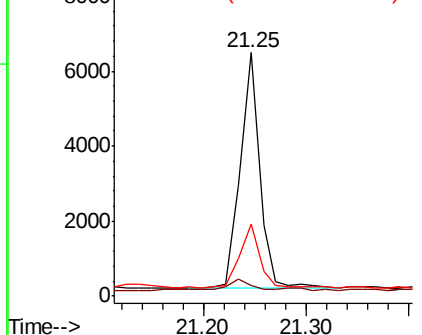
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.3	4.9
236	29.8	22.6	34.0

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





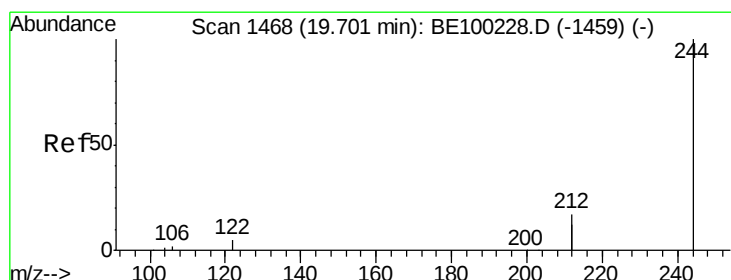
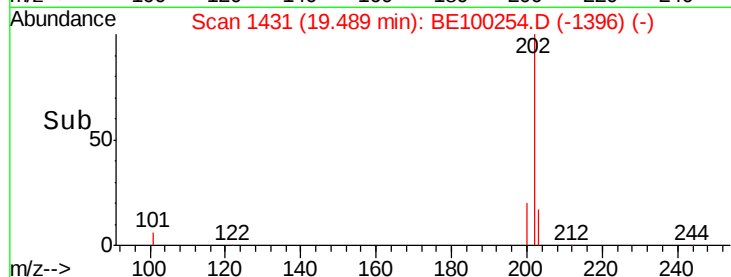
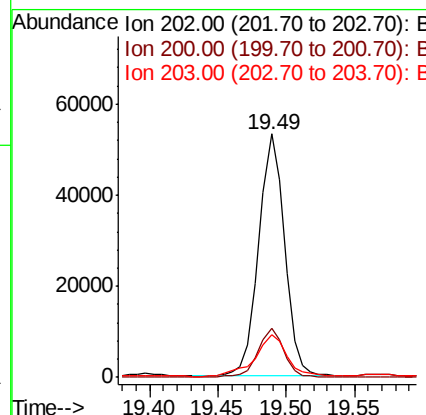
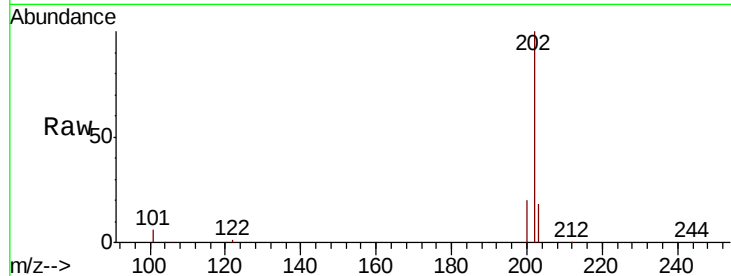
#28
Pvrene
Concen: 3.241 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	21.0	14.0	21.0

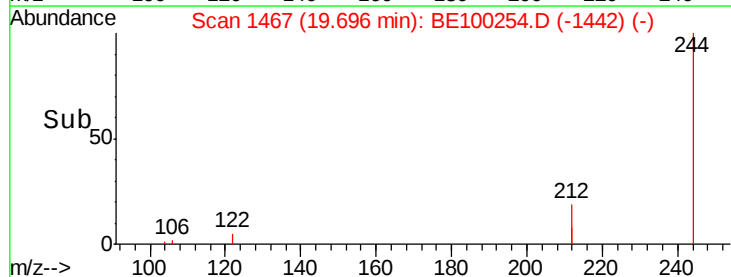
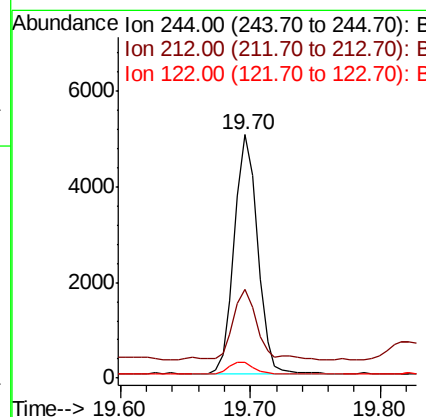
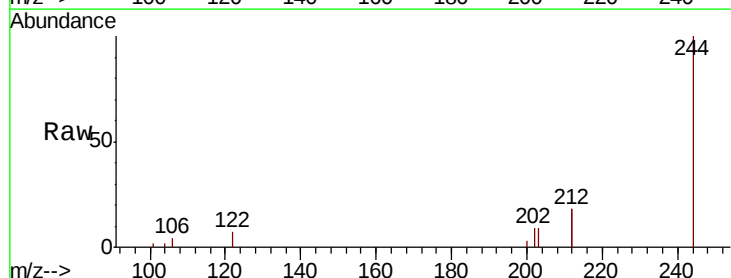
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#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.5	27.3	40.9
122	6.7	4.7	7.1





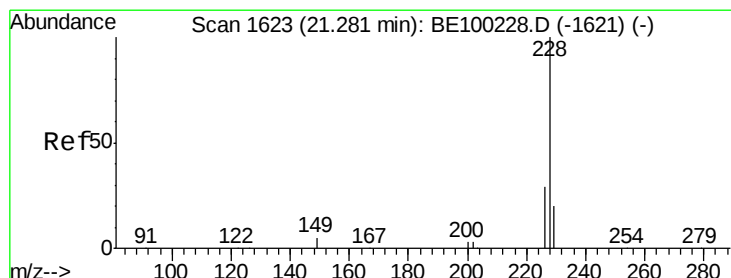
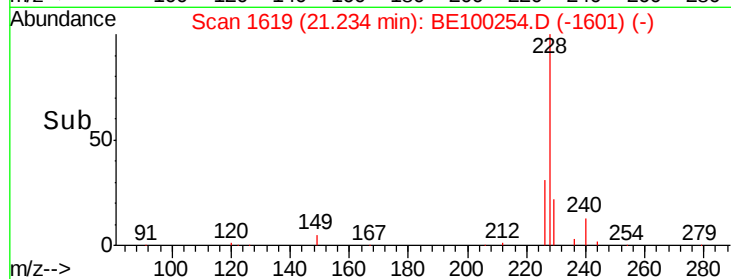
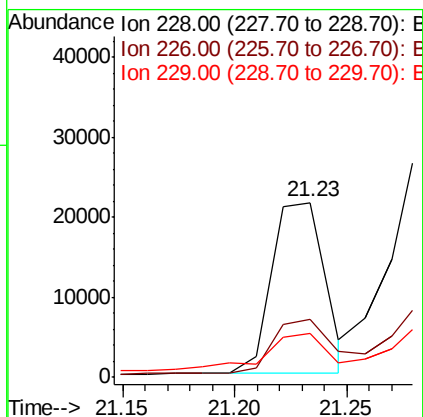
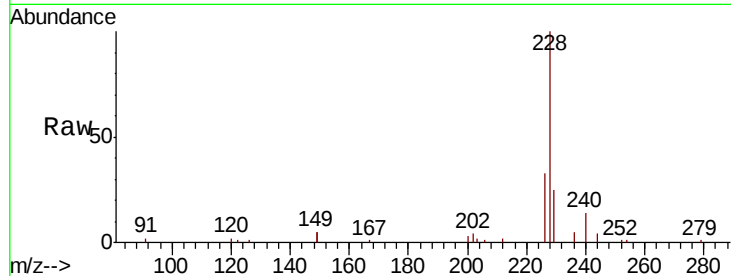
#30
Benzo(a)anthracene
Concen: 1.320 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	23.2	34.8
229	24.9	15.7	23.5

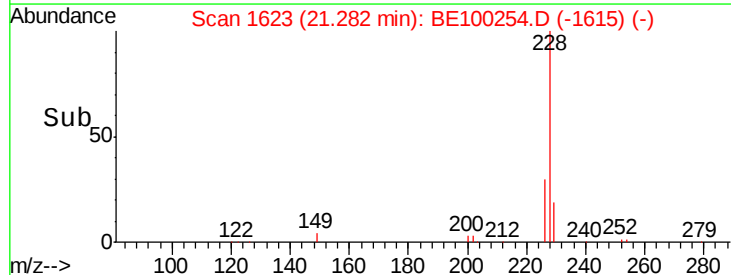
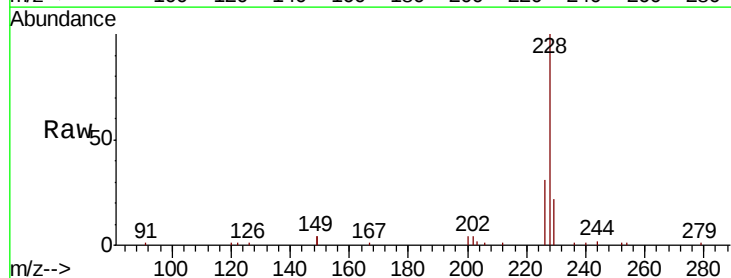
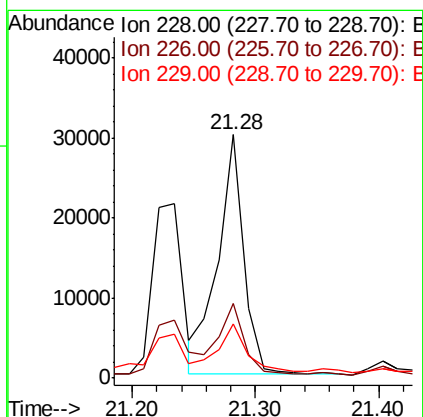
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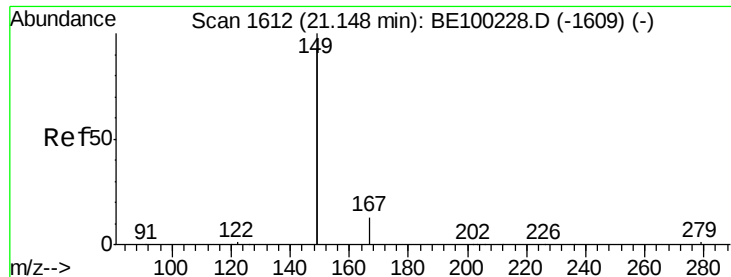
mohammad
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#31
Chrysene
Concen: 1.631 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	22.3	16.5	24.7





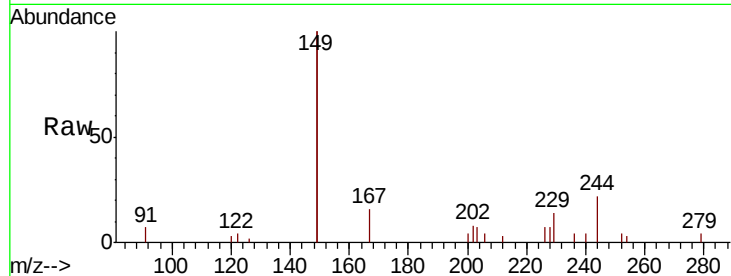
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

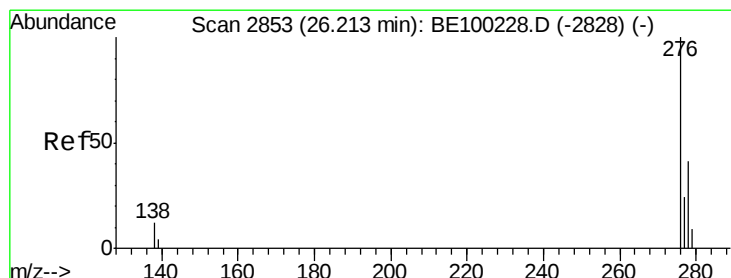
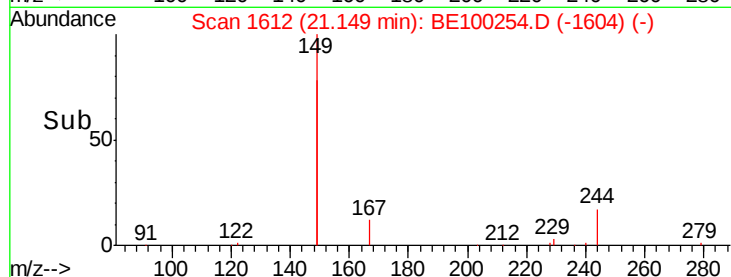
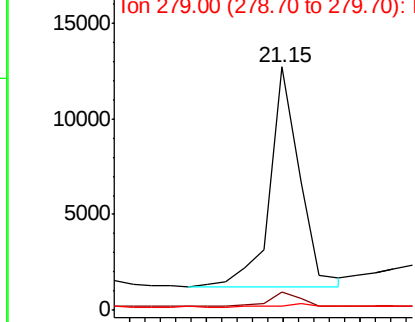
Tot Ion	149	Resp	15489
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.8	8.8
279	1.5	1.1	1.7

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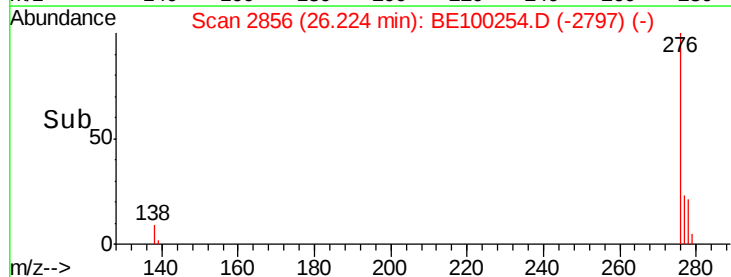
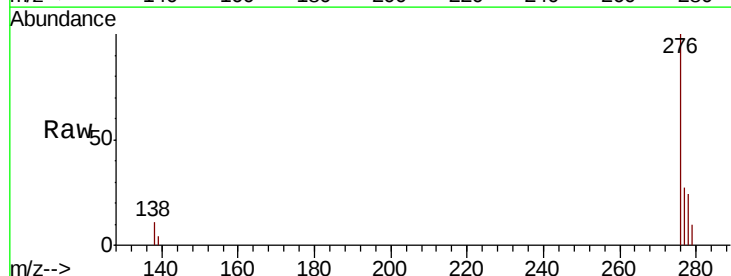
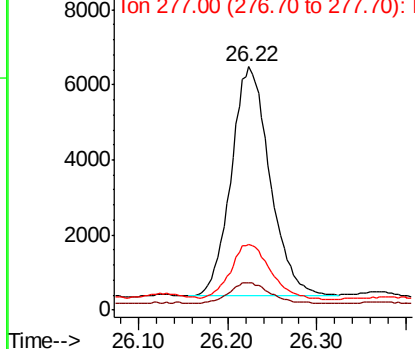
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

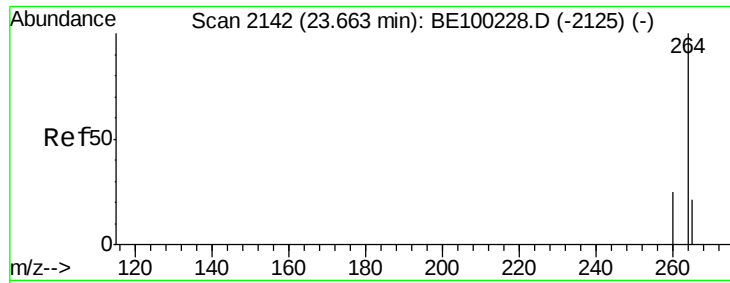


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.520 ng
RT: 26.22 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	276	Resp	18498
Ion Ratio	Lower	Upper	
276	100		
138	9.8	9.4	14.0
277	24.6	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





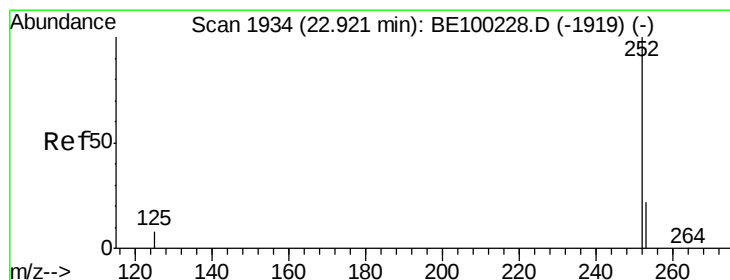
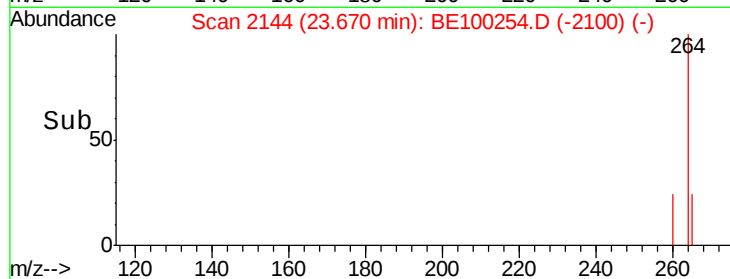
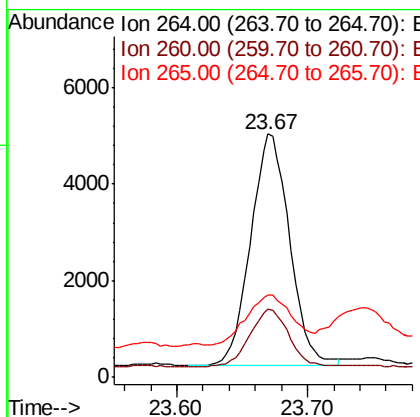
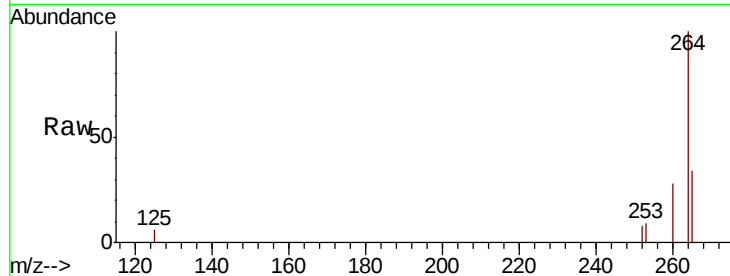
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.8	31.2
265	34.0	21.8	32.6

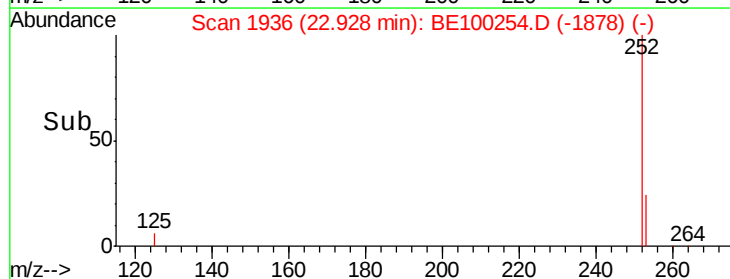
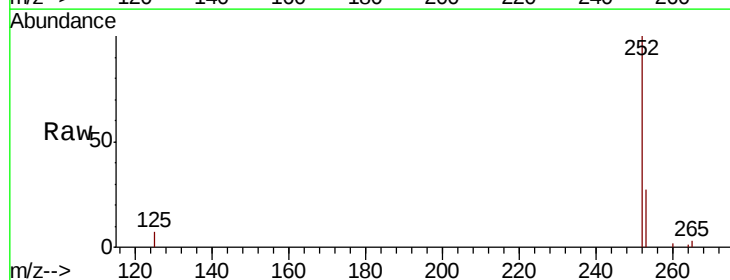
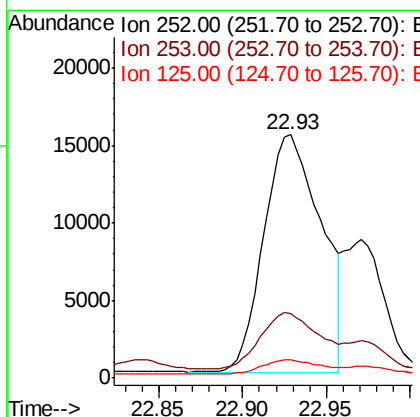
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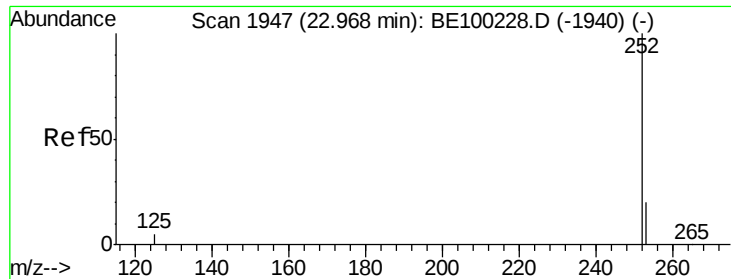
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.357 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.2	28.8
125	7.4	7.4	11.0





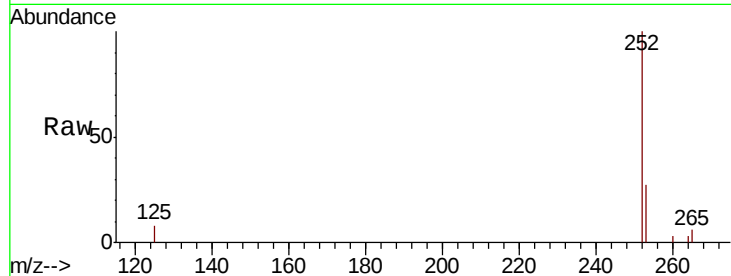
#36
Benzo(k)fluoranthene
Concen: 0.481 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	8.3	5.0	7.4#

Manual Integrations
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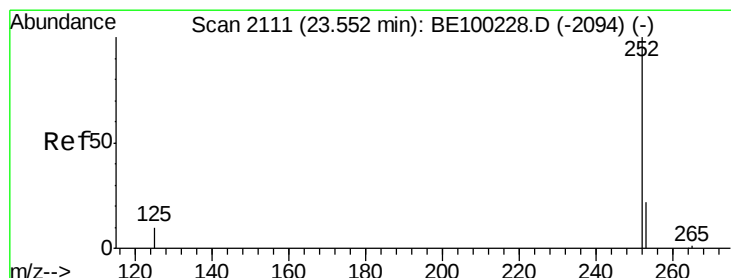
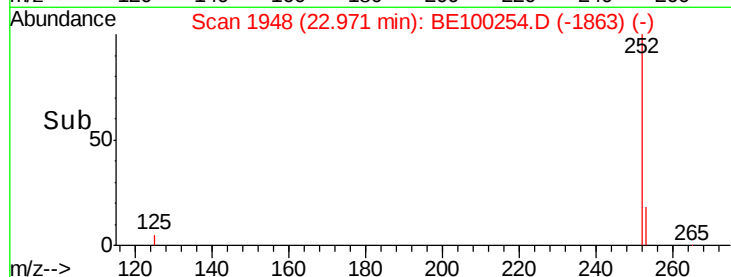
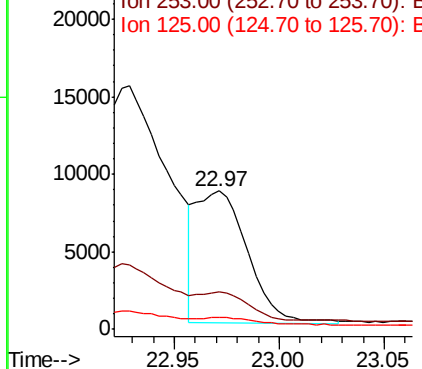


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37
Benzo(a)pyrene
Concen: 1.091 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100254.D
Acq: 29 Jun 2019 2:52

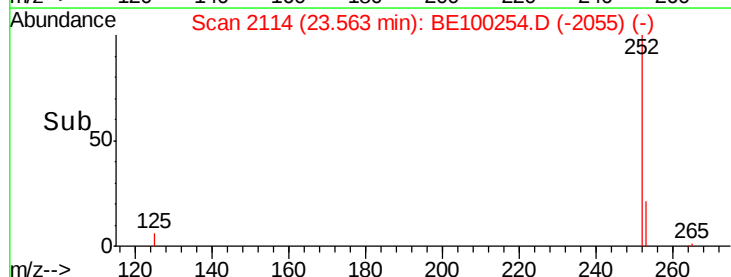
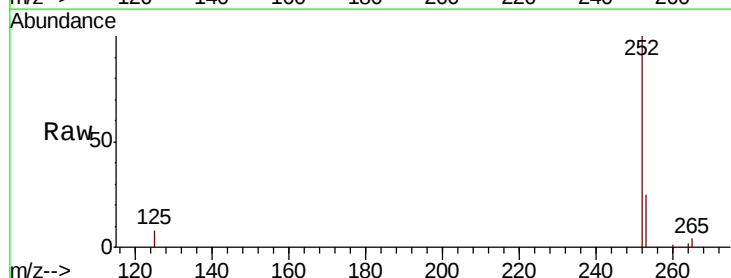
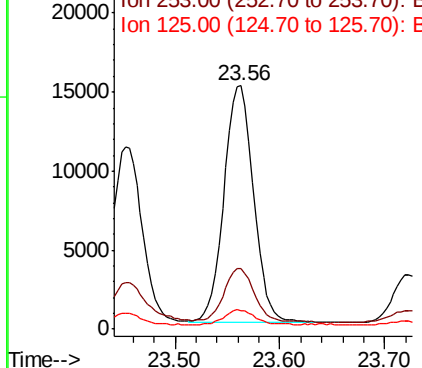
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	7.6	9.0	13.6#

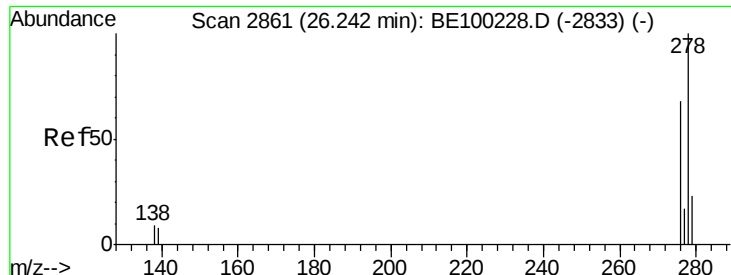
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.195 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE100254.D

Acq: 29 Jun 2019 2:52

Instrument :

BNA_E

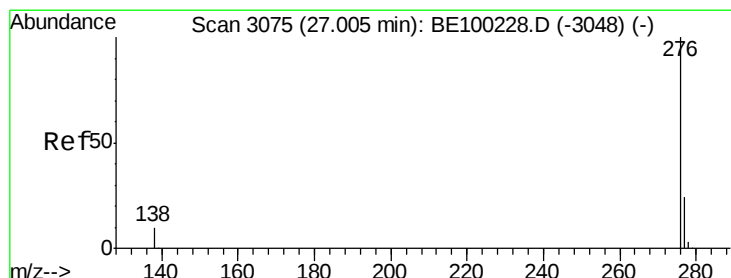
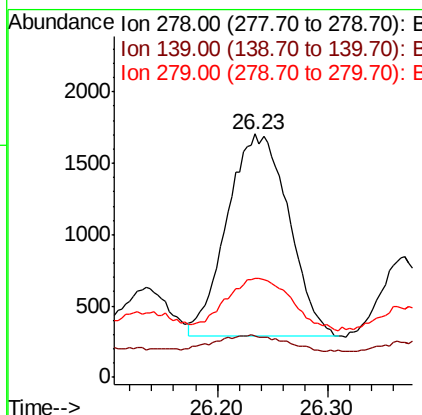
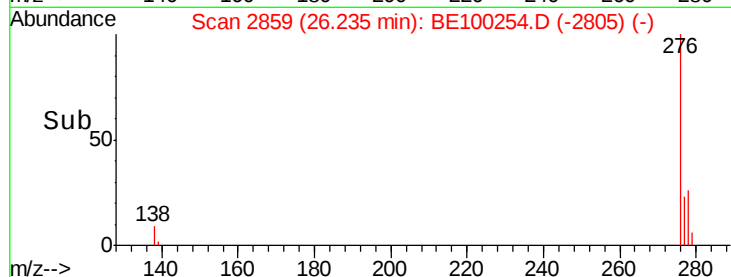
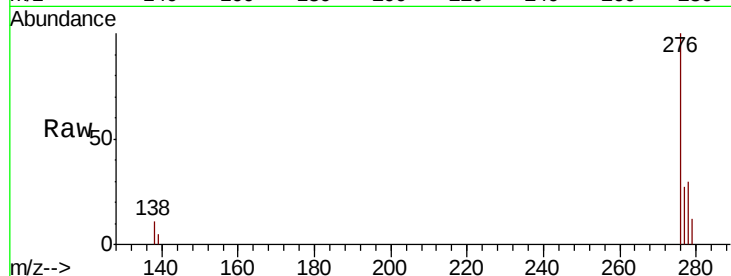
ClientSampleId :

EXT-013-SW159-061319

Tot Ion:278	Resp:	5505
Ion Ratio	Lower	Upper
278	100	
139	16.8	8.2 12.2#
279	40.7	20.3 30.5#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:55 PM



#39

Benzo(g,h,i)perylene

Concen: 0.704 ng

RT: 27.02 min Scan# 3078

Delta R.T. 0.01 min

Lab File: BE100254.D

Acq: 29 Jun 2019 2:52

Tgt Ion:276	Resp:	20446
Ion Ratio	Lower	Upper
276	100	
277	26.7	20.2 30.2
138	11.7	9.0 13.6

