

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\
 Data File : BE100115.D
 Acq On : 20 Jun 2019 20:03
 Operator : JU/SJ
 Sample : K3345-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-11_061119

Manual Integrations
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mohammad
 6/21/2019 8:16:43 AM

Quant Time: Jun 21 02:11:43 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	596	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	2070	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1878	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6493	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	10418	0.40	ng	0.00
34) Perylene-d12	23.83	264	12058	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	215	0.17	ng	-0.01
5) Phenol-d6	6.90	99	185	0.11	ng	-0.02
8) Nitrobenzene-d5	8.90	82	765	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	315	0.08	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	513	0.49	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3311	0.45	ng	-0.01
25) Fluoranthene-d10	19.19	212	8777	0.09	ng	0.00
29) Terphenyl-d14	19.79	244	10291	0.49	ng	-0.02
Target Compounds						Qvalue
23) Phenanthrene	17.19	178	1885	0.121	ng	97
26) Fluoranthene	19.22	202	9172	0.367	ng	98
28) Pyrene	19.58	202	7625	0.285	ng	# 96
30) Benzo(a)anthracene	21.32	228	3402m	0.110	ng	
31) Chrysene	21.38	228	7491	0.208	ng	96
32) Bis(2-ethylhexyl)phthalate	21.24	149	11160	0.382	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	6709	0.166	ng	# 96
35) Benzo(b)fluoranthene	23.06	252	12842	0.363	ng	# 92
36) Benzo(k)fluoranthene	23.11	252	4128m	0.103	ng	
37) Benzo(a)pyrene	23.72	252	5346m	0.157	ng	
38) Dibenzo(a,h)anthracene	26.49	278	1215	0.035	ng	# 56
39) Benzo(g,h,i)perylene	27.28	276	7531	0.207	ng	98

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

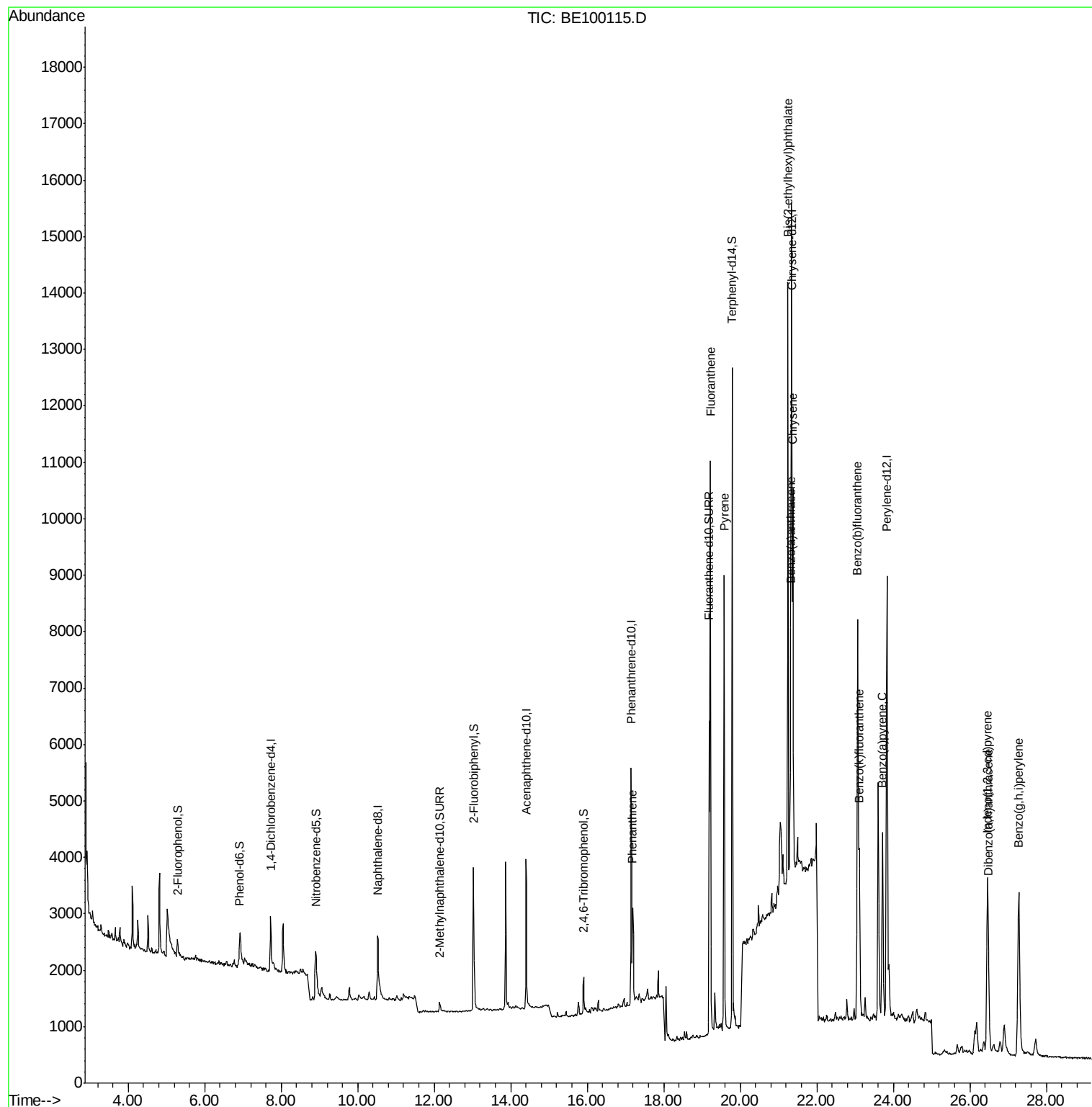
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\
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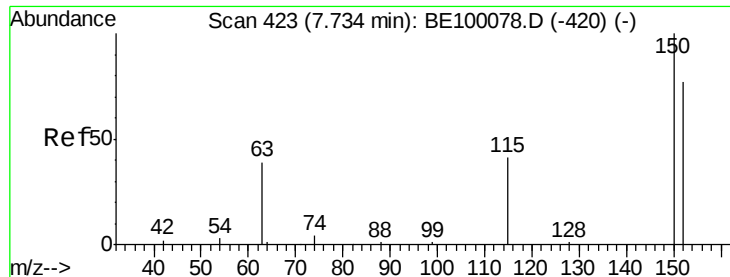
Instrument :
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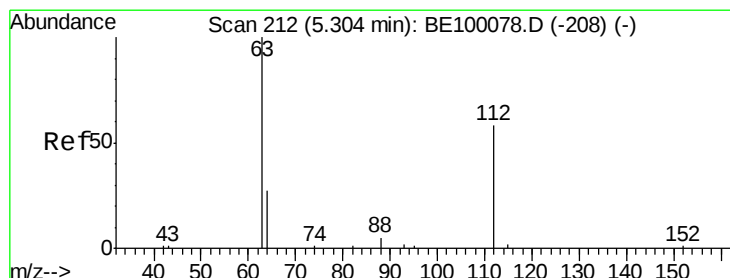
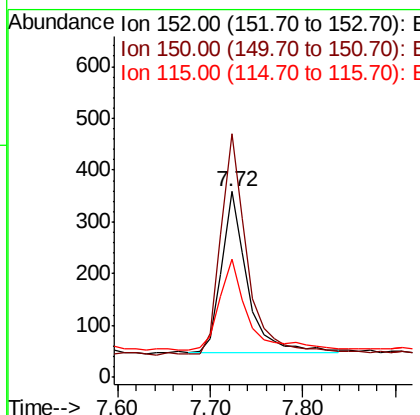
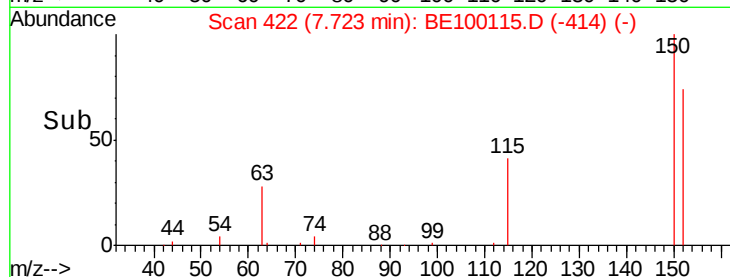
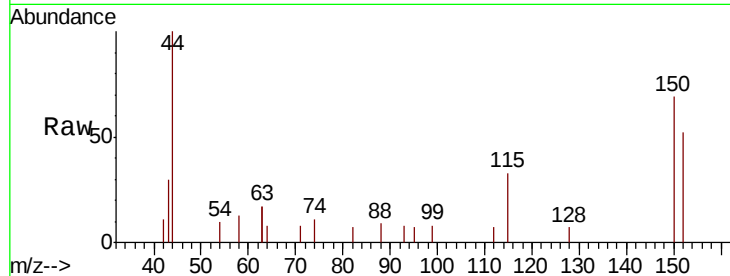
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.72 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
152	100		
150	131.3	99.8	149.8
115	63.7	51.3	76.9

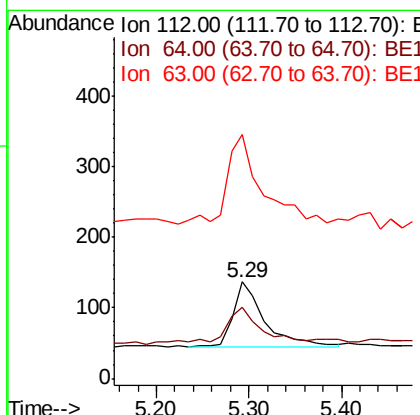
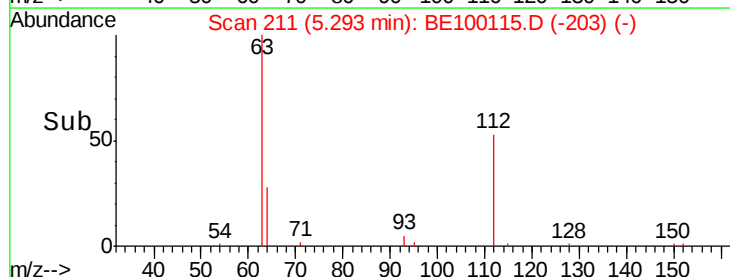
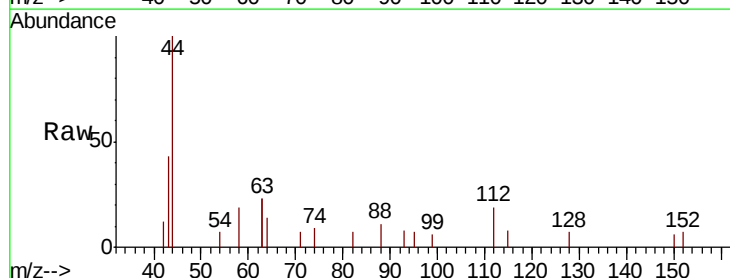
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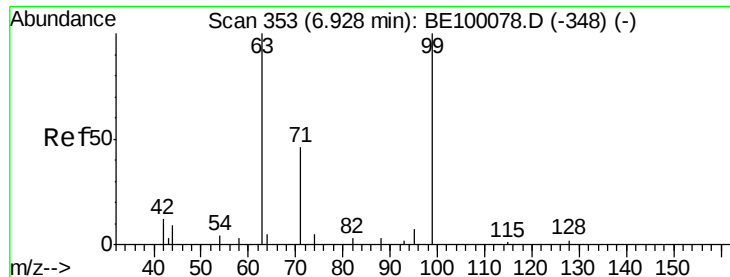
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#4
 2-Fluorophenol
 Concen: 0.174 ng
 RT: 5.29 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	22.0	33.0#
63	158.6	121.8	182.6





#5

Phenol-d6

Concen: 0.109 ng

RT: 6.90 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

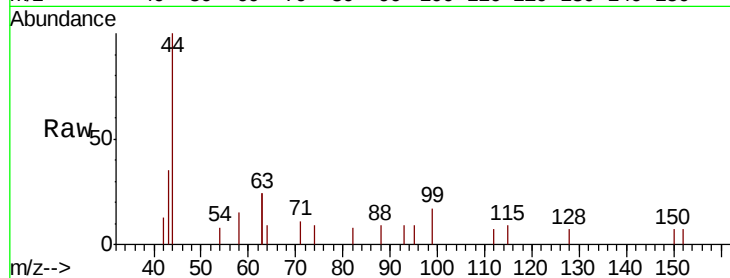
ClientSampleId :

C-MW-11_061119

Tot Ion:	99	Resp:	185
Ion	Ratio	Lower	Upper
99	100		
42	25.9	0.0	0.0#
71	44.3	37.6	56.4

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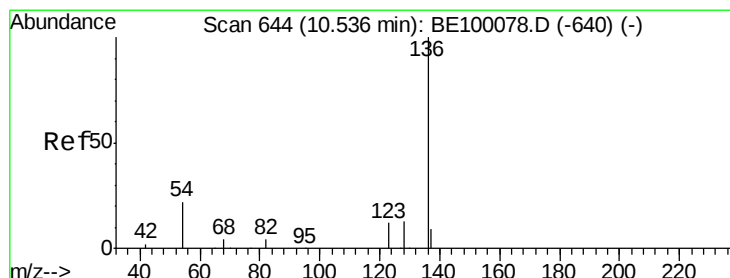
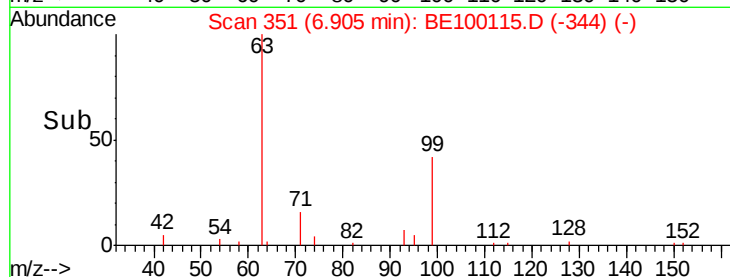
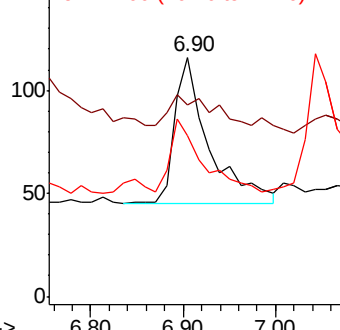


Abundance

Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

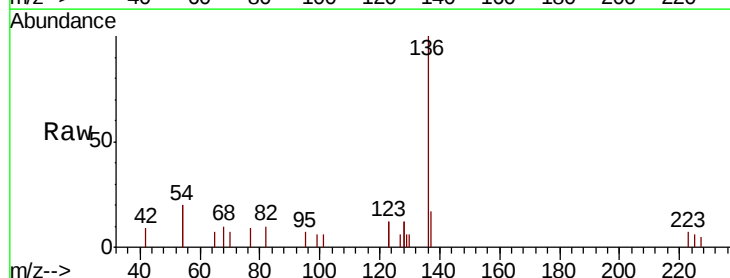
RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Tgt Ion:	136	Resp:	2070
Ion	Ratio	Lower	Upper
136	100		
137	16.6	11.6	17.4
54	39.3	33.9	50.9
68	10.0	7.8	11.8



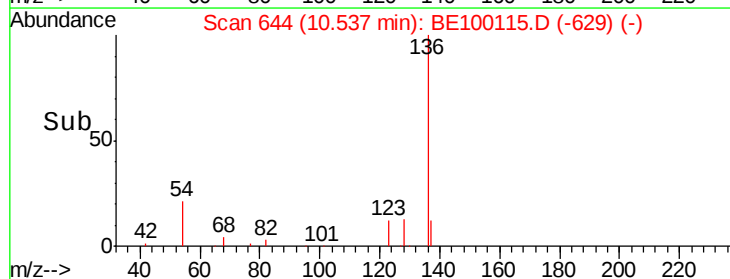
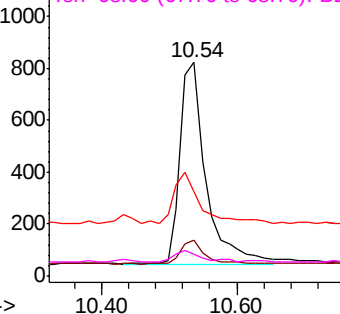
Abundance

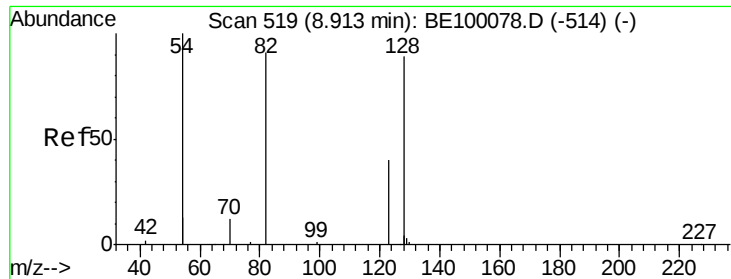
Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

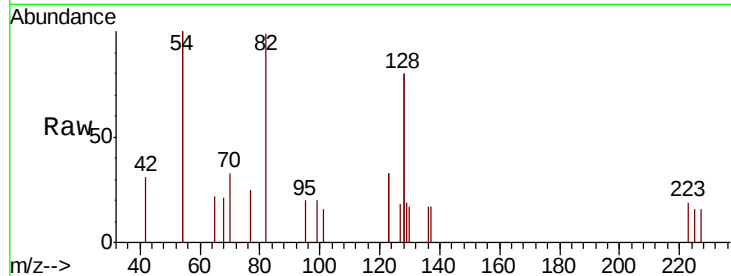
ClientSampleId :

C-MW-11_061119

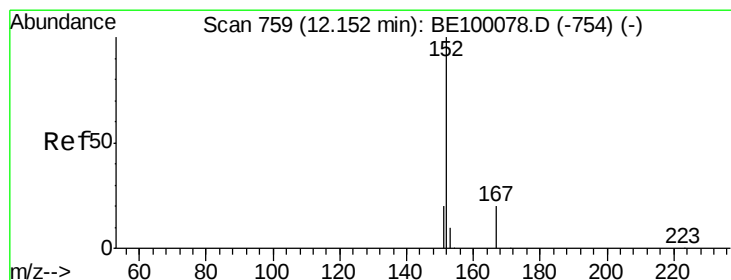
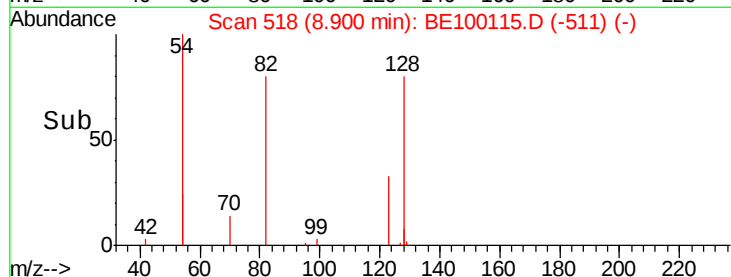
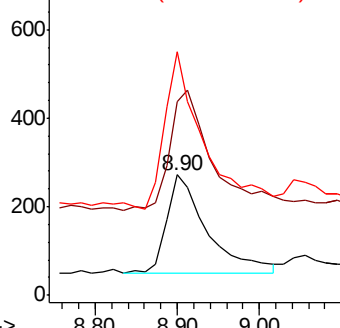
Tot Ion:	82	Resp:	765
Ion	Ratio	Lower	Upper
82	100		
128	161.6	128.0	192.0
54	203.0	143.4	215.0

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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



#11

2-Methylnaphthalene-d10

Concen: 0.080 ng

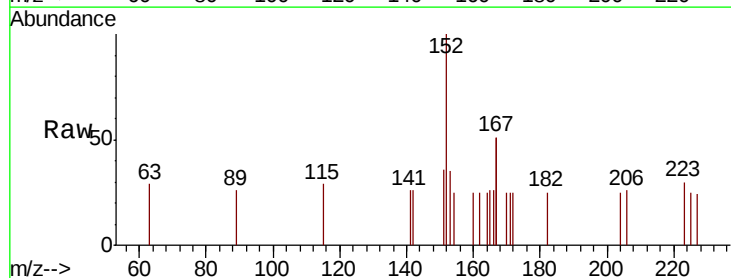
RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

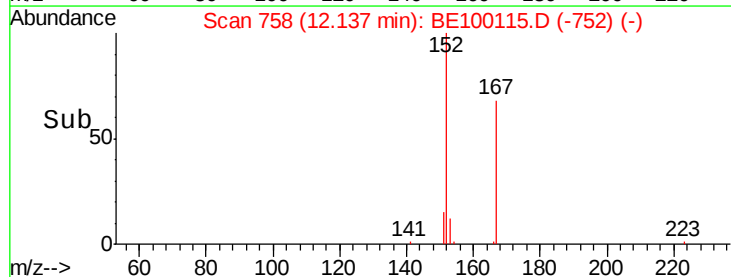
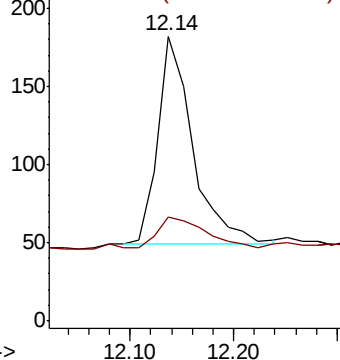
Lab File: BE100115.D

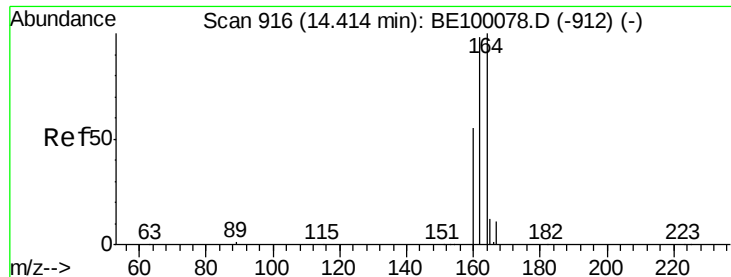
Acq: 20 Jun 2019 20:03

Tgt Ion:	152	Resp:	315
Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

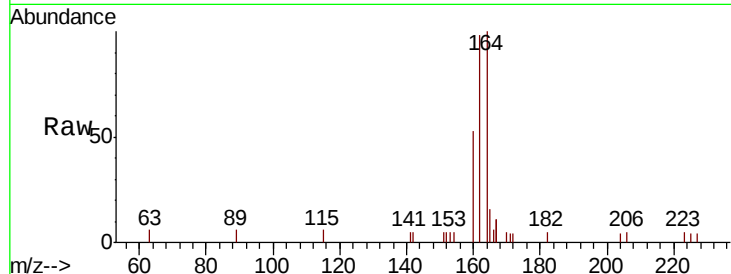
ClientSampleId :

C-MW-11_061119

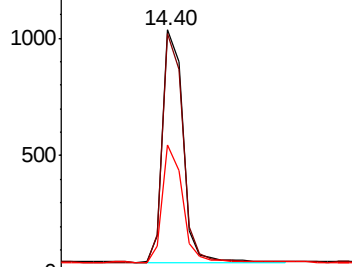
Tot Ion:	164	Resp:	1878
Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.2	117.2
160	52.8	45.6	68.4

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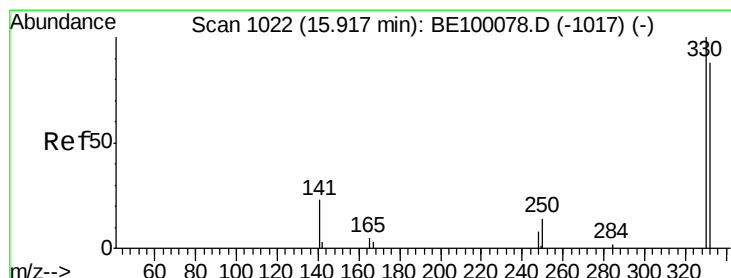
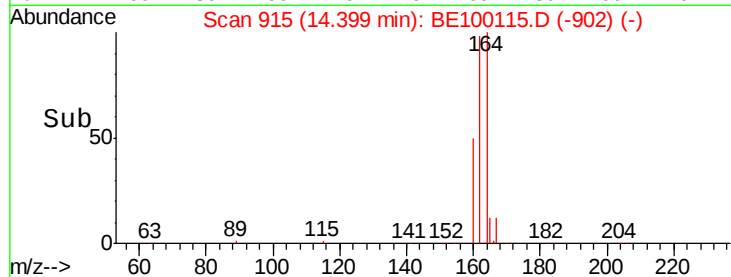
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.495 ng

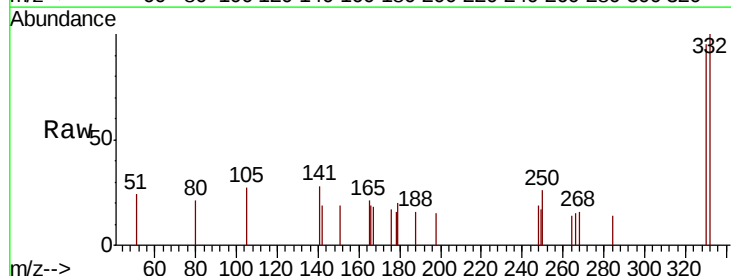
RT: 15.90 min Scan# 1021

Delta R.T. -0.01 min

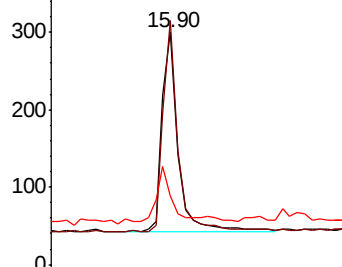
Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

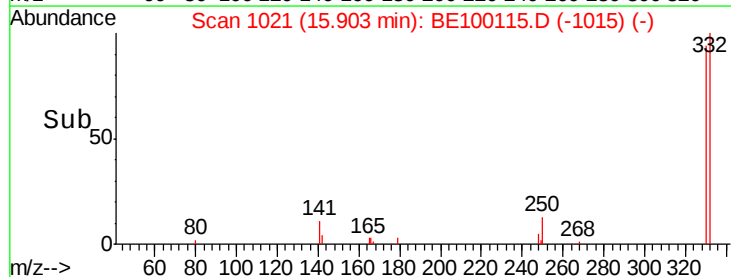
Tgt Ion:	330	Resp:	513
Ion	Ratio	Lower	Upper
330	100		
332	98.2	73.3	109.9
141	25.3	22.2	33.2

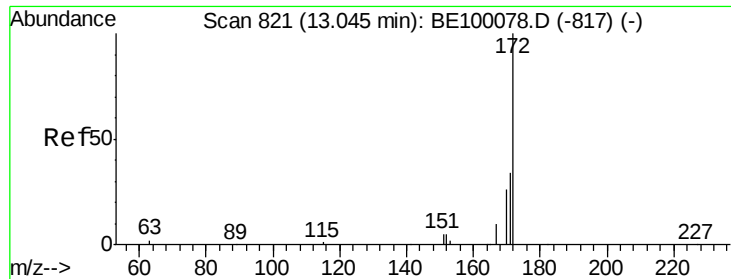


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





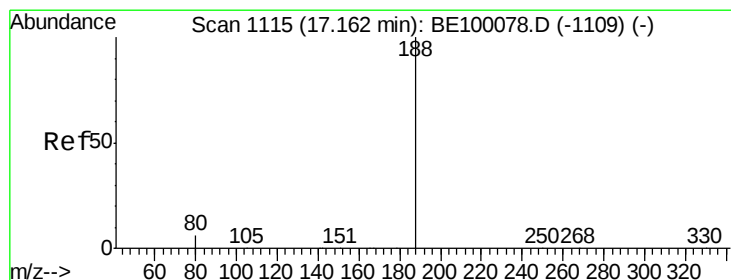
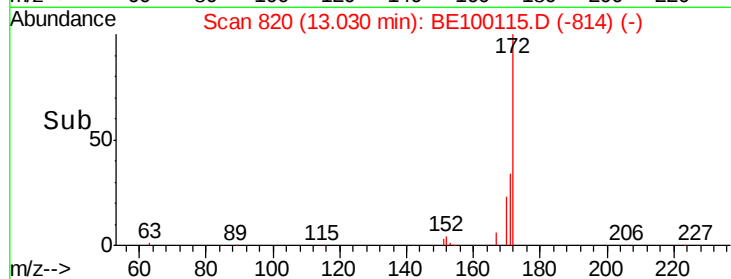
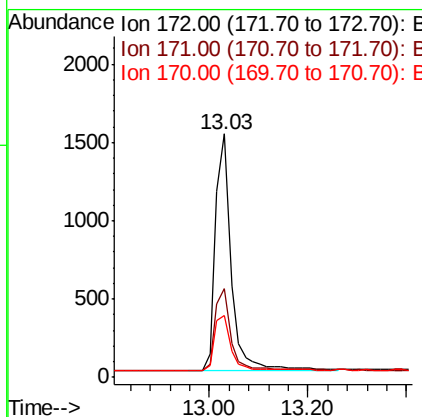
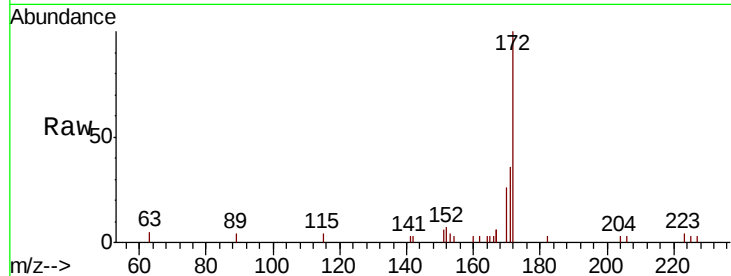
#15
 2-Fluorobiphenyl
 Concen: 0.448 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-11_061119

Tot Ion:	172	Resp:	3311
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.8
170	25.6	23.2	34.8

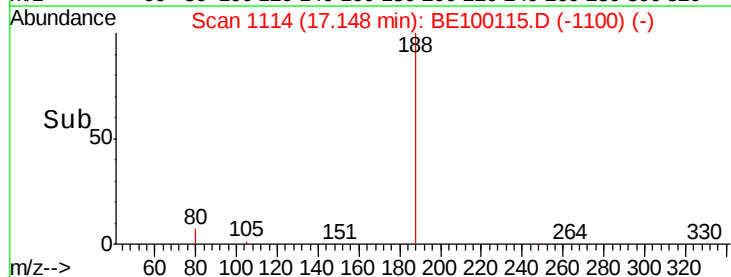
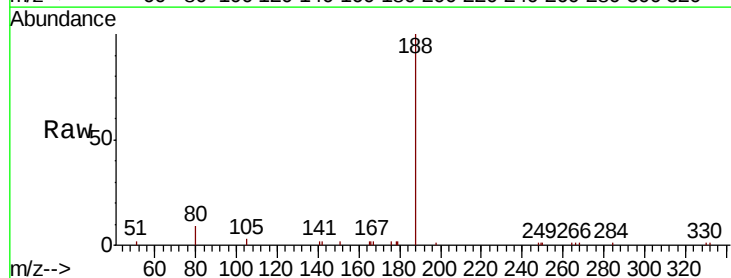
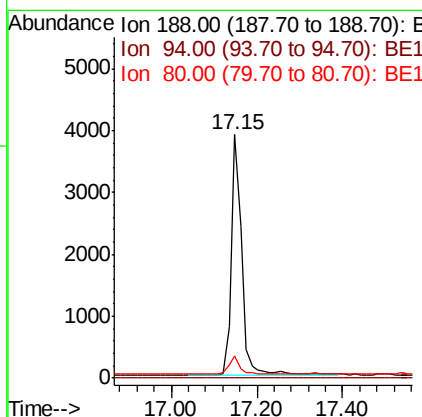
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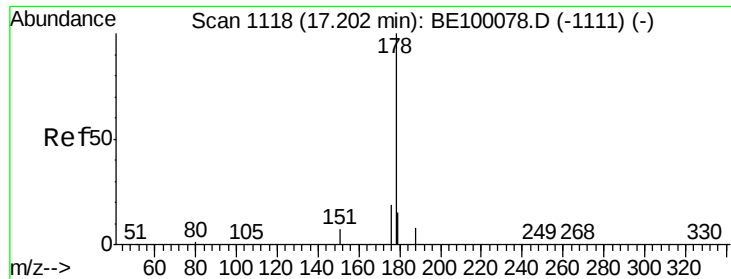
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.15 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Tgt Ion:	188	Resp:	6493
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	6.3	9.5





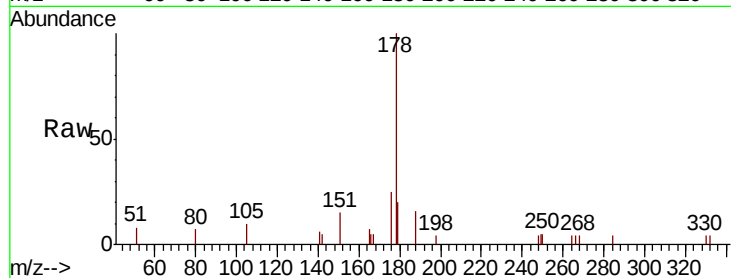
#23
Phenanthrene
Concen: 0.121 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	18.9	13.1	19.7

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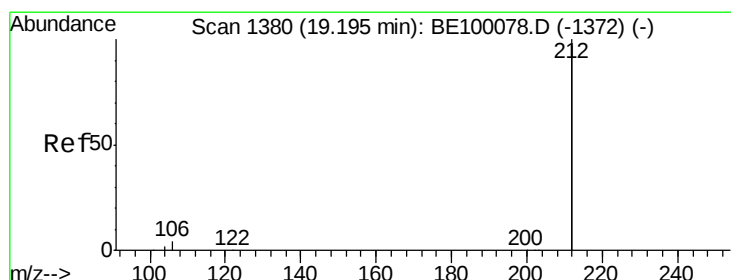
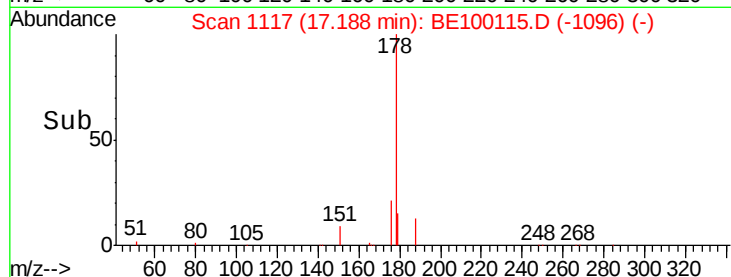
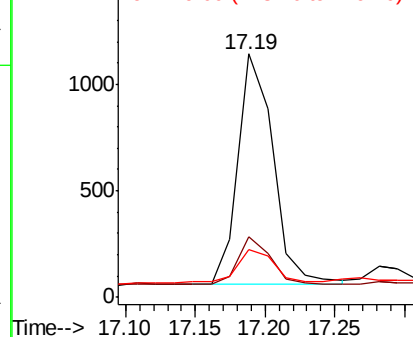


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

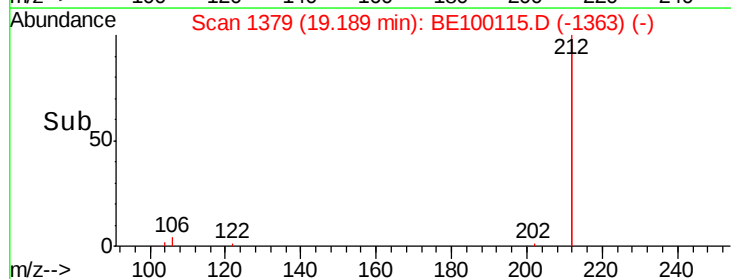
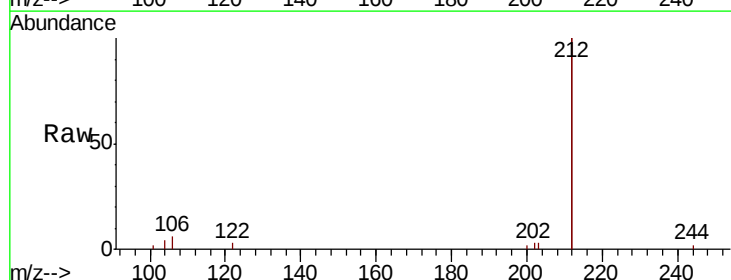
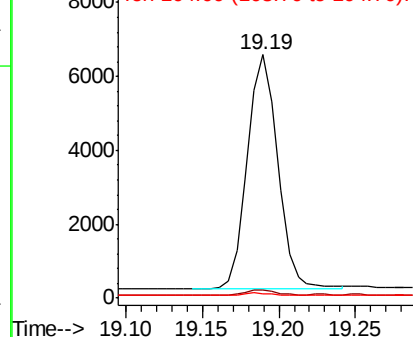
Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.4	2.0#
104	1.2	0.8	1.2

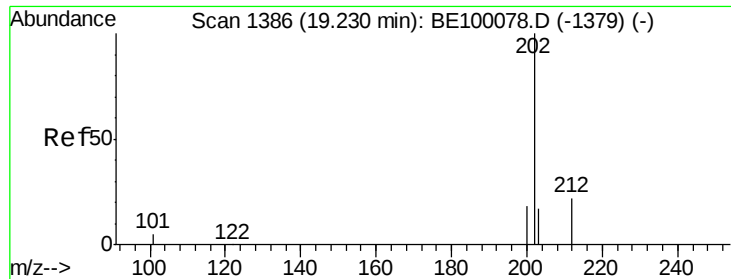
Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





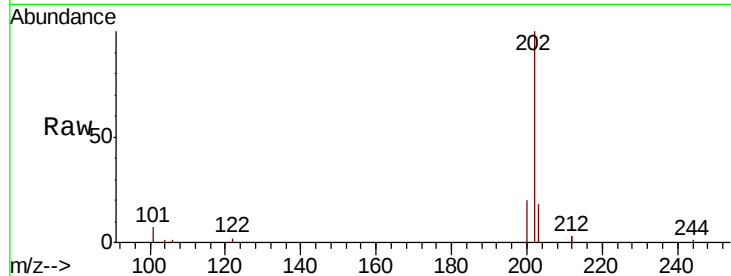
#26
Fluoranthene
Concen: 0.367 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.0	7.4
203	17.5	13.7	20.5

Manual Integrations
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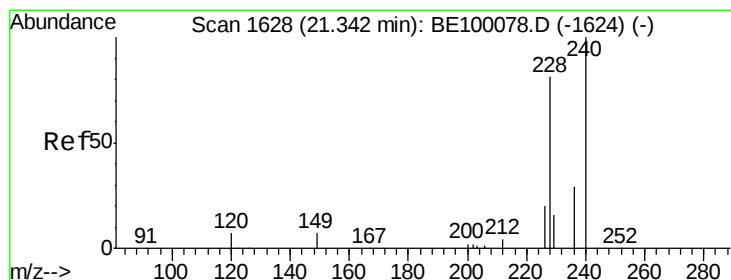
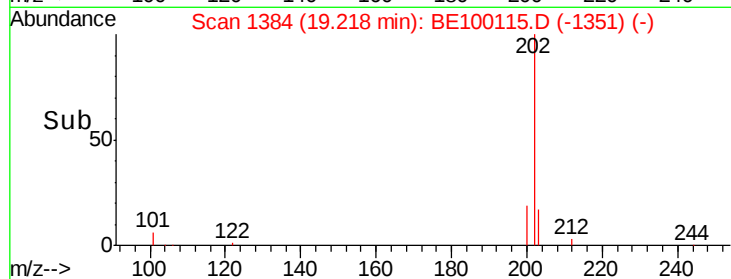
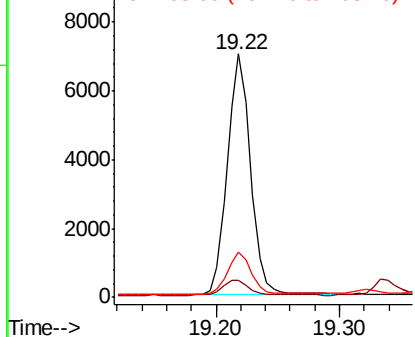


Abundance

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: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

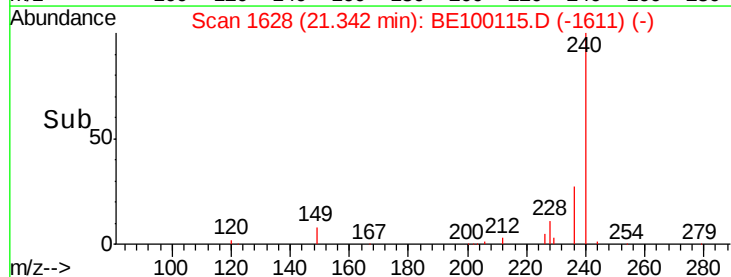
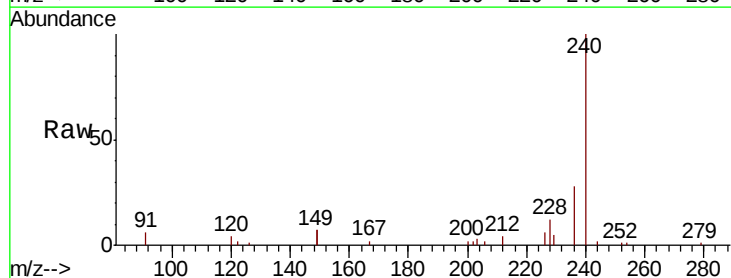
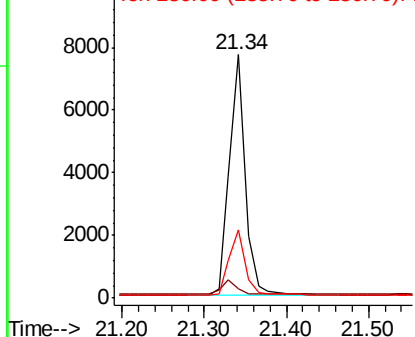
Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.9	6.6	10.0#
236	27.9	23.8	35.6

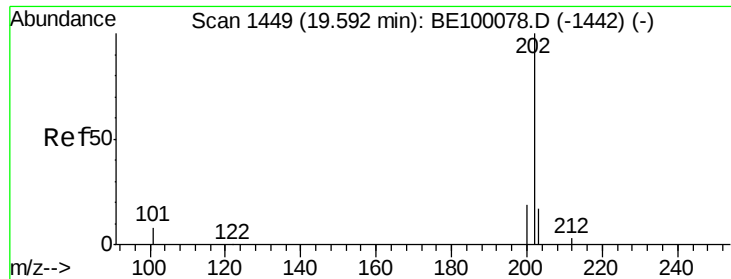
Abundance

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





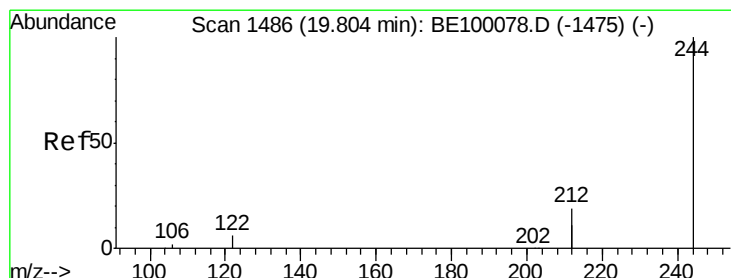
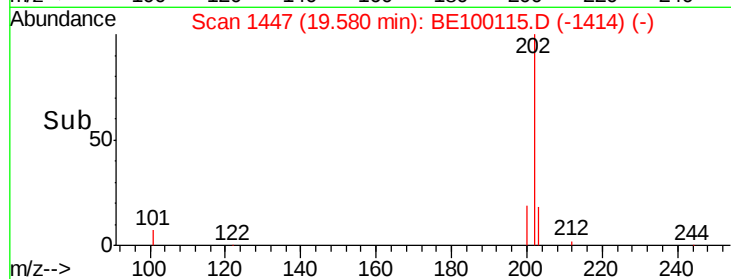
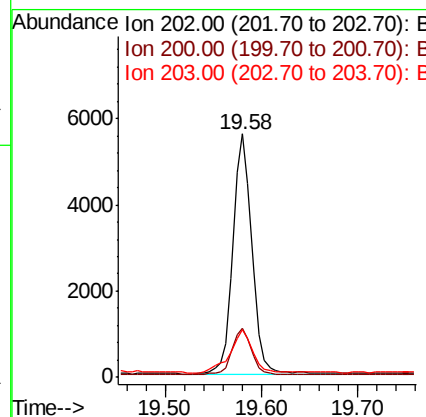
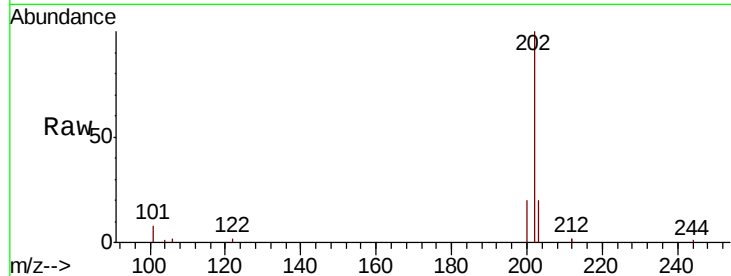
#28
Pvrene
Concen: 0.285 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.6	23.4
203	21.0	13.9	20.9

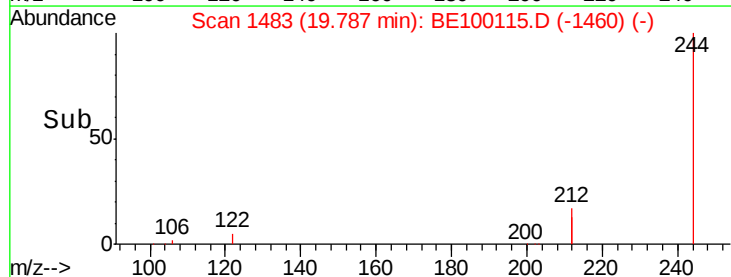
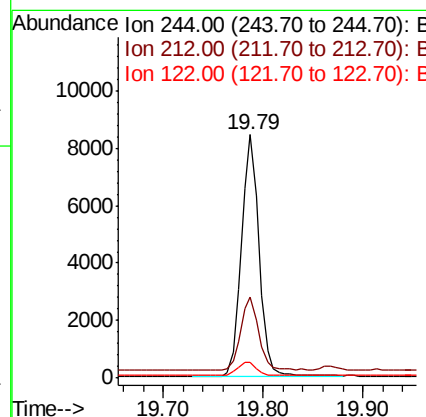
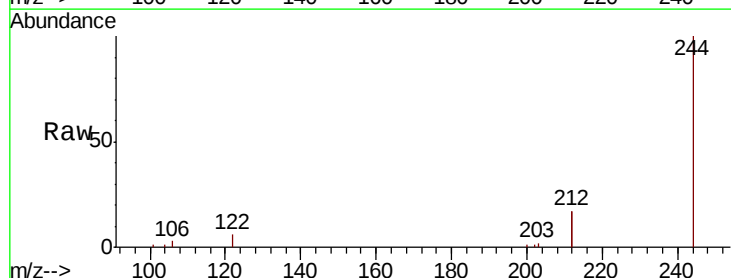
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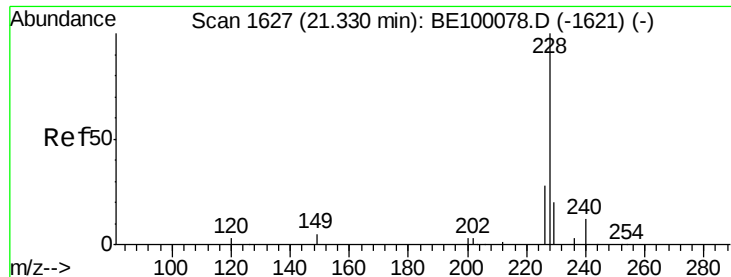
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#29
Terphenyl-d14
Concen: 0.494 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.3	29.8	44.8
122	6.3	6.1	9.1





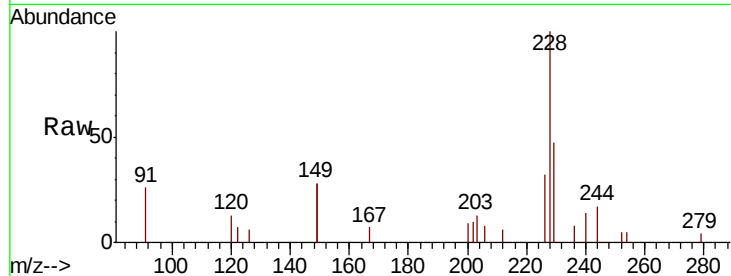
#30
Benzo(a)anthracene
Concen: 0.110 ng m
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.0	34.4
229	47.5	16.4	24.6

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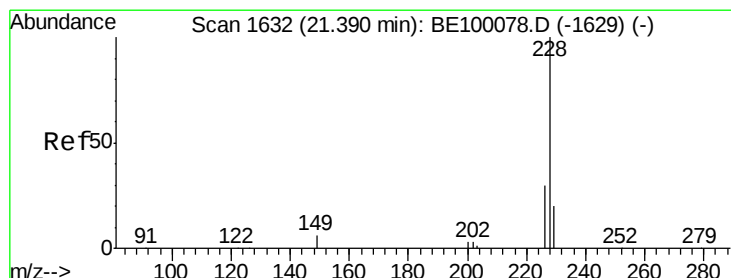
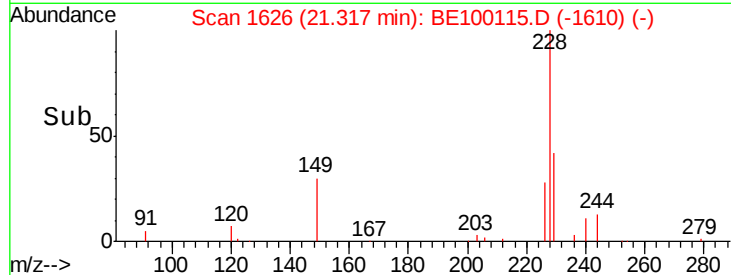
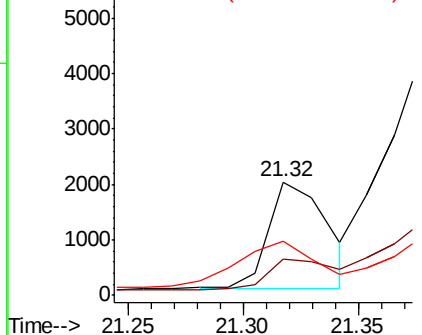


Abundance

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: 0.208 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

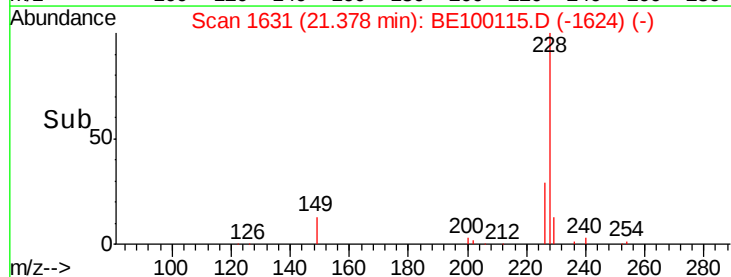
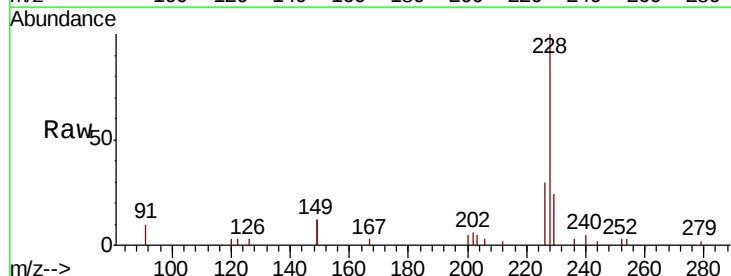
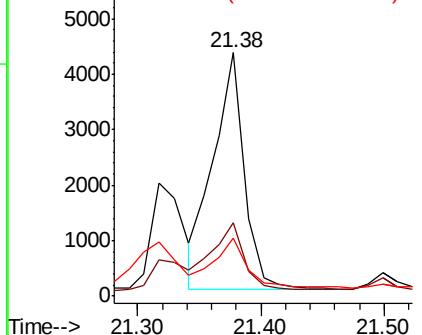
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	24.0	16.3	24.5

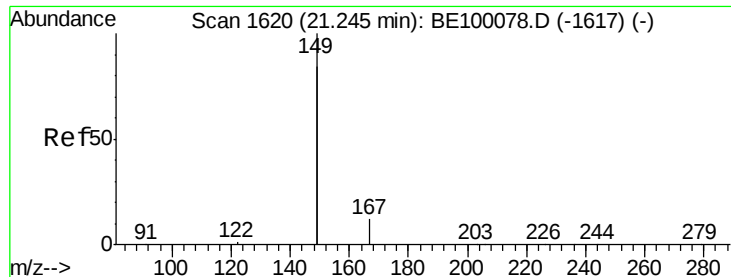
Abundance

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: 0.382 ng

RT: 21.24 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

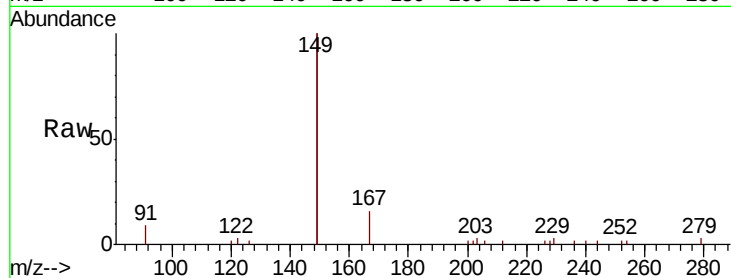
ClientSampleId :

C-MW-11_061119

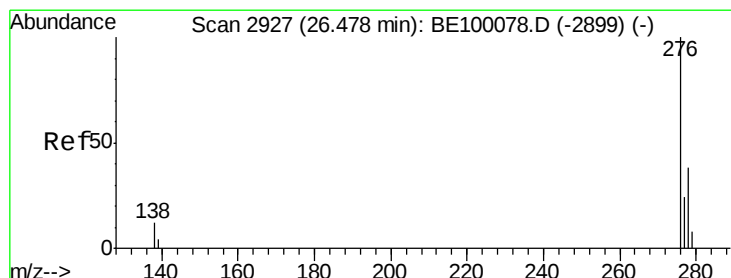
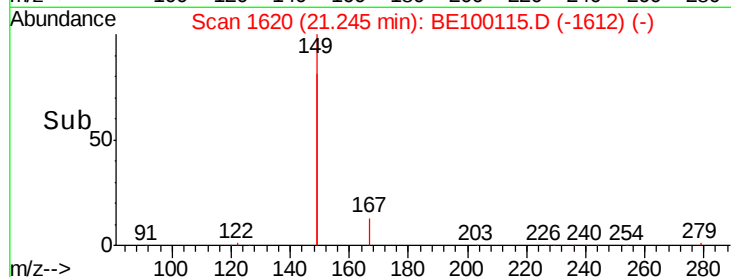
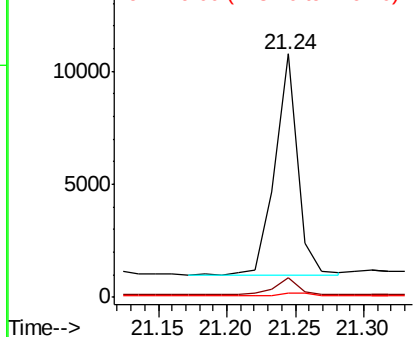
Tot Ion:	149	Resp:	11160
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.6
279	1.6	1.1	1.7

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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: 0.166 ng

RT: 26.47 min Scan# 2924

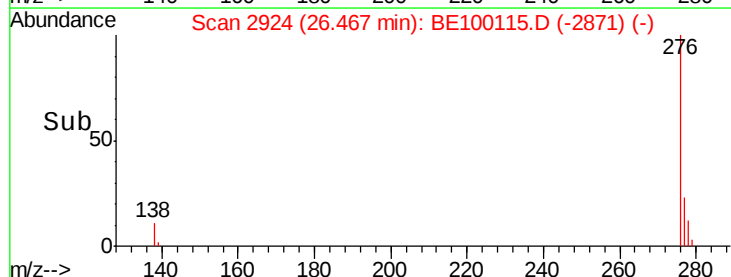
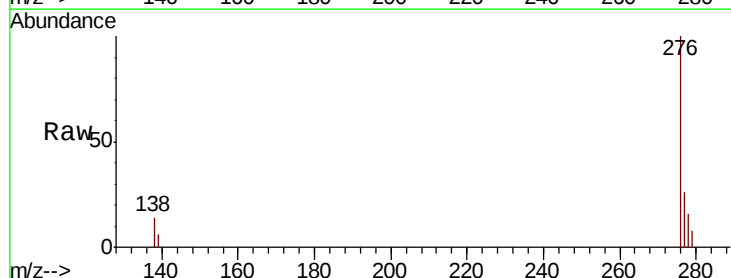
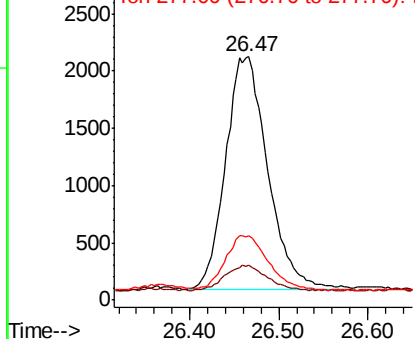
Delta R.T. -0.01 min

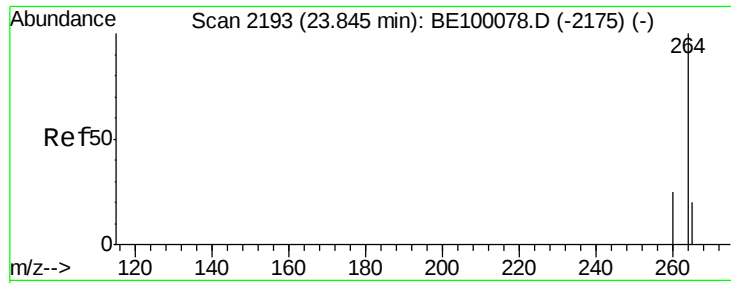
Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Tgt Ion:	276	Resp:	6709
Ion Ratio	Lower	Upper	
276	100		
138	11.1	4.3	6.5#
277	23.7	19.4	29.0

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





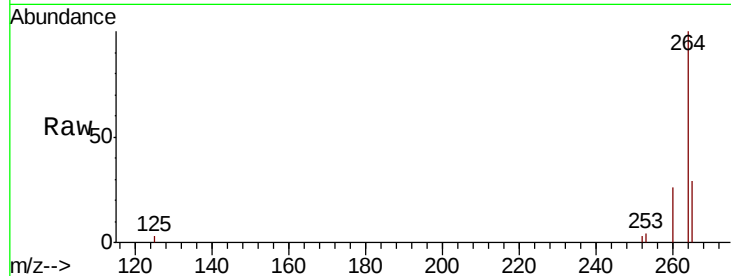
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.8	31.2
265	29.1	23.2	34.8

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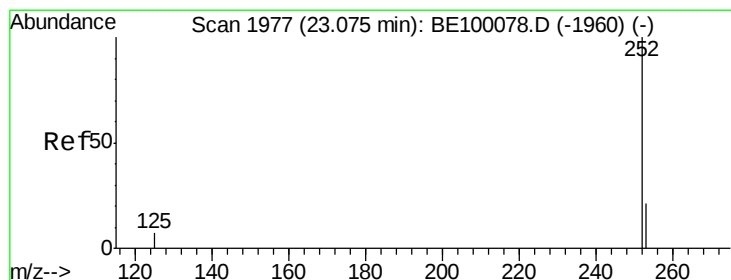
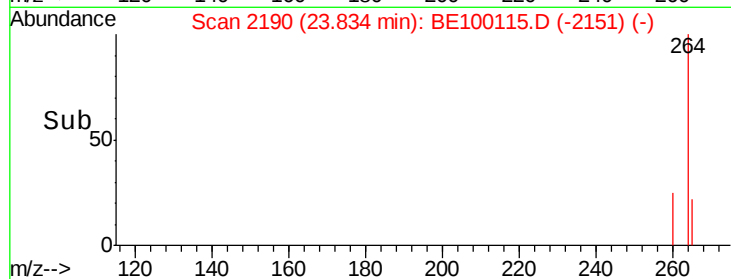
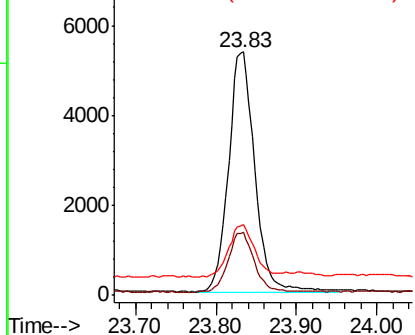


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

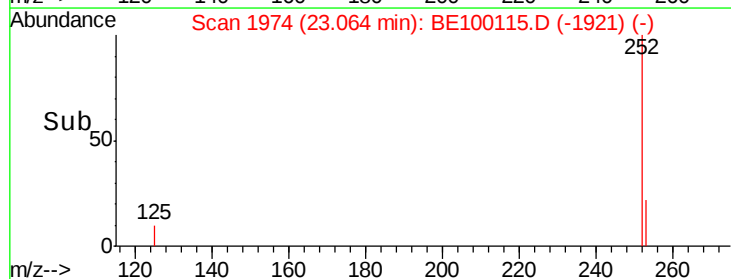
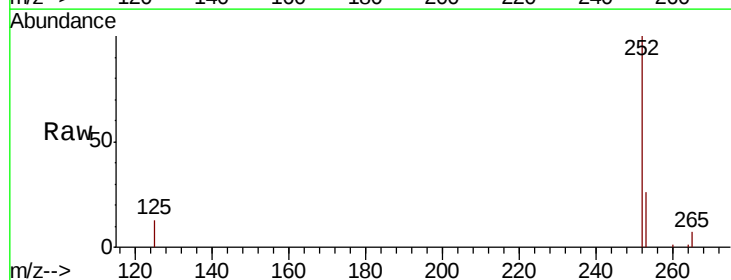
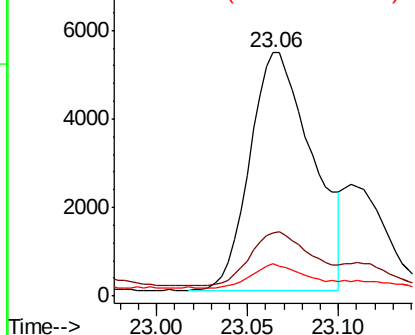
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.4	27.6
125	13.2	6.4	9.6

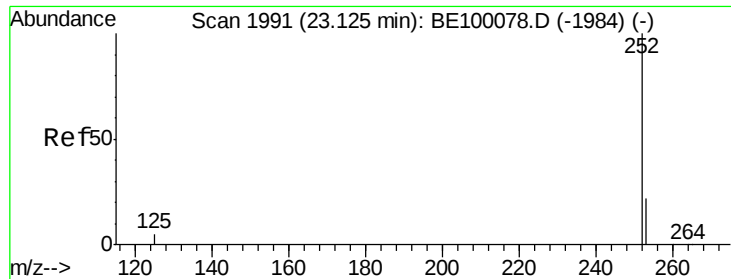
Abundance

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





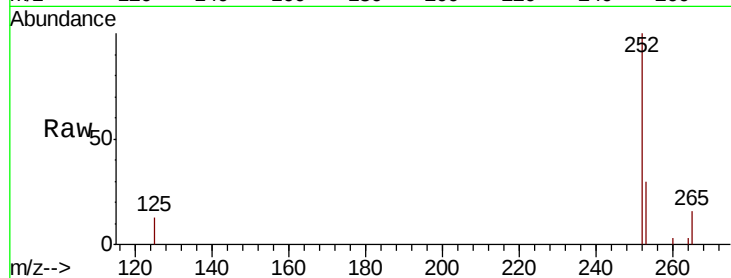
#36
Benzo(k)fluoranthene
Concen: 0.103 ng m
RT: 23.11 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

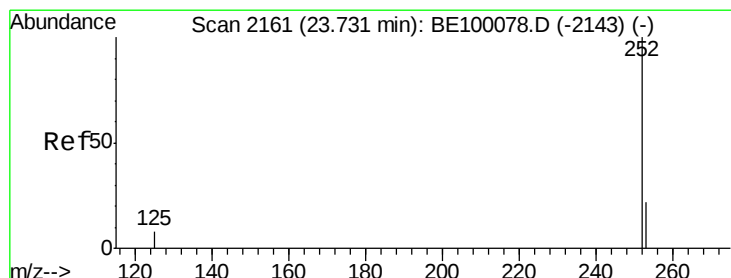
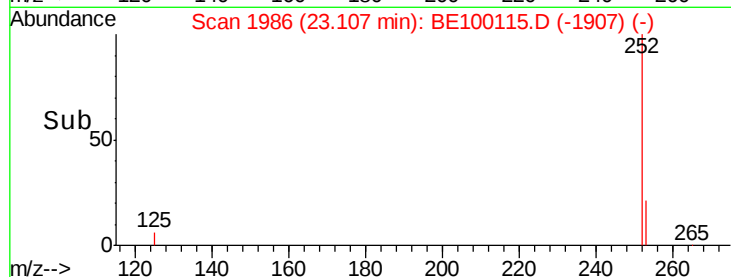
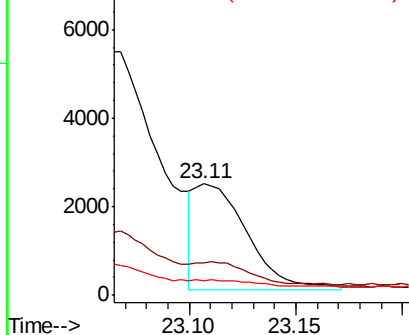
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.9	28.3#
125	13.5	5.3	7.9#

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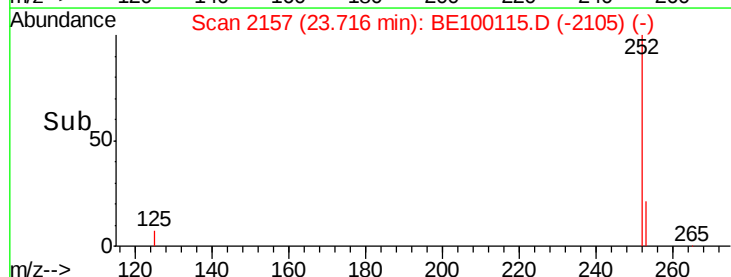
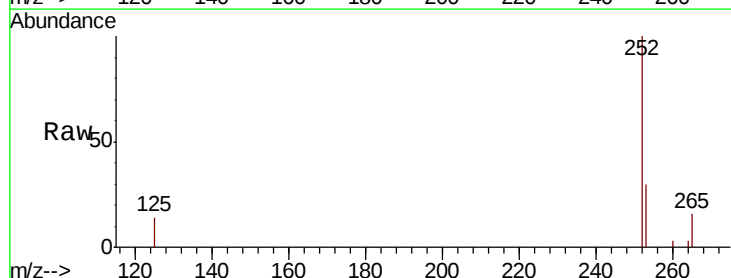
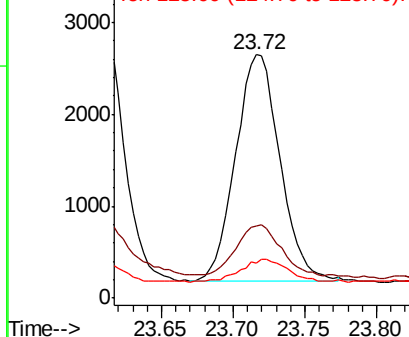
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

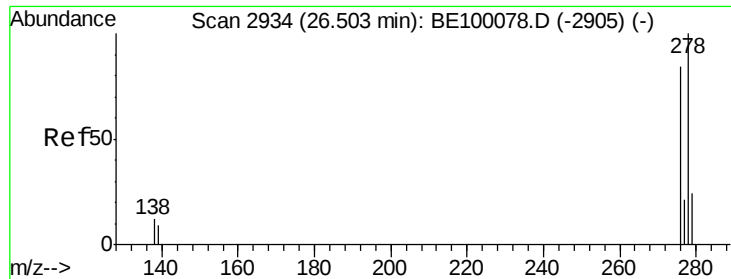


#37
Benzo(a)pyrene
Concen: 0.157 ng m
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	19.4	29.2#
125	14.4	8.0	12.0#

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





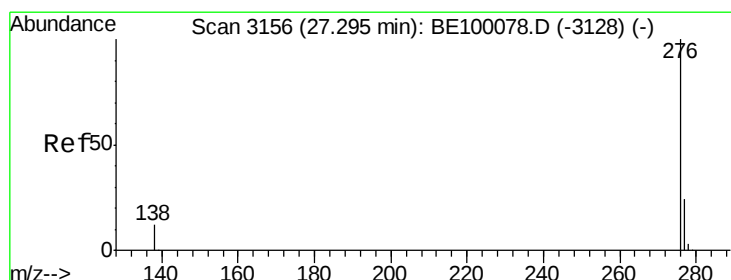
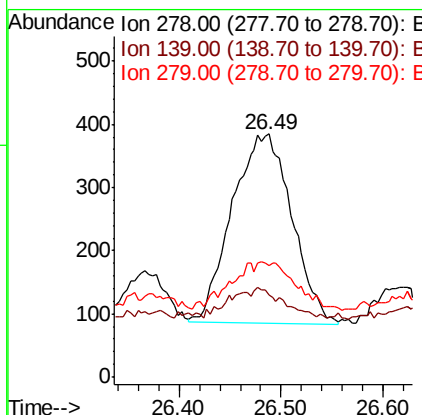
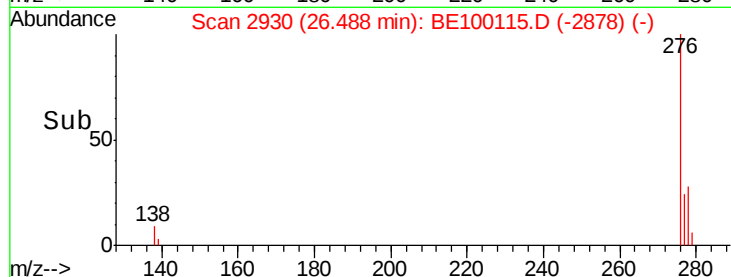
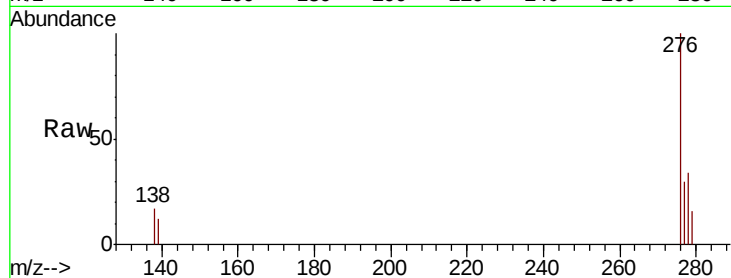
#38
Dibenzo(a,h)anthracene
Concen: 0.035 ng
RT: 26.49 min Scan# 2930
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.8	9.0	13.6#
279	46.0	21.4	32.0#

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#39
Benzo(g,h,i)perylene
Concen: 0.207 ng
RT: 27.28 min Scan# 3151
Delta R.T. -0.02 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	20.3	30.5
138	13.8	11.3	16.9

