

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100335.D
 Acq On : 3 Jul 2019 19:01
 Operator : JU/SJ
 Sample : K3446-03DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B256-061819DL

Manual Integrations
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 7/5/2019 8:54:03 AM

Quant Time: Jul 04 01:27:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	506	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	1906	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	1725	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5132	0.40	ng	0.00
27) Chrysene-d12	21.24	240	6705	0.40	ng	0.00
34) Perylene-d12	23.66	264	7976	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	84	0.07	ng	-0.01
5) Phenol-d6	6.87	99	82	0.05	ng	0.04
8) Nitrobenzene-d5	8.86	82	88	0.05	ng	0.04
11) 2-Methylnaphthalene-d10	12.06	152	271	0.08	ng	0.01
14) 2,4,6-Tribromophenol	15.82	330	75	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	416	0.06	ng	0.00
25) Fluoranthene-d10	19.09	212	5356	0.07	ng	0.00
29) Terphenyl-d14	19.69	244	2182	0.16	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	1769	0.084	ng	# 84
12) 2-Methylnaphthalene	12.14	142	149	0.040	ng	# 81
16) Acenaphthylene	14.04	152	1236	0.149	ng	97
17) Acenaphthene	14.37	154	658	0.140	ng	98
18) Fluorene	15.35	166	1013	0.146	ng	100
23) Phenanthrene	17.09	178	25203	2.026	ng	99
24) Anthracene	17.19	178	4507	0.402	ng	97
26) Fluoranthene	19.12	202	66354	3.349	ng	100
28) Pyrene	19.48	202	61738	3.478	ng	96
30) Benzo(a)anthracene	21.22	228	38212	1.733	ng	99
31) Chrysene	21.28	228	36860	1.665	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	3466	0.054	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.21	276	23477	0.802	ng	# 96
35) Benzo(b)fluoranthene	22.92	252	45004	2.081	ng	# 97
36) Benzo(k)fluoranthene	22.96	252	15982m	0.662	ng	
37) Benzo(a)pyrene	23.56	252	32671	1.507	ng	# 96
38) Dibenzo(a,h)anthracene	26.23	278	5267	0.233	ng	# 84
39) Benzo(a,h,i)perylene	27.01	276	24329	1.046	ng	99

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

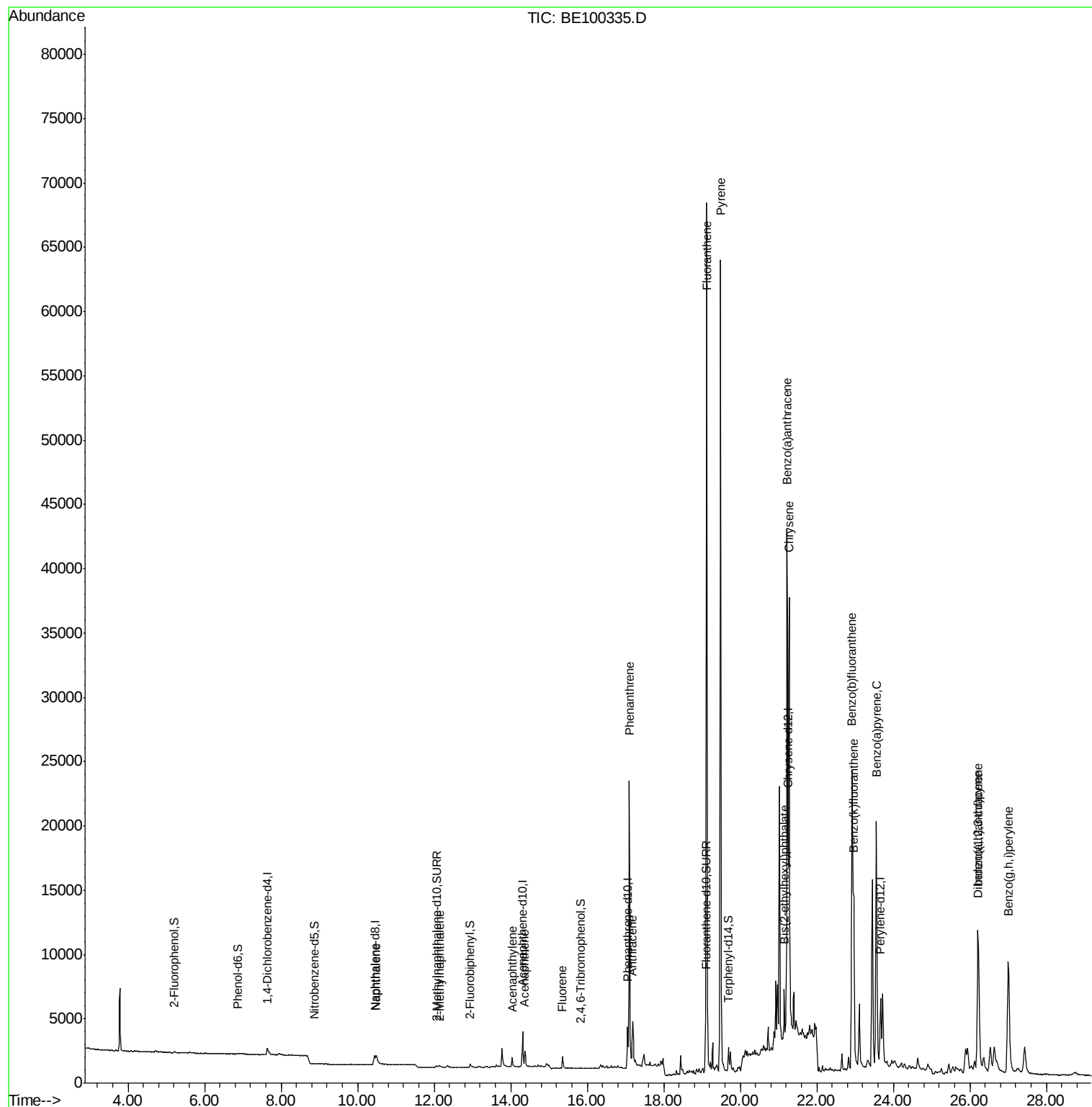
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
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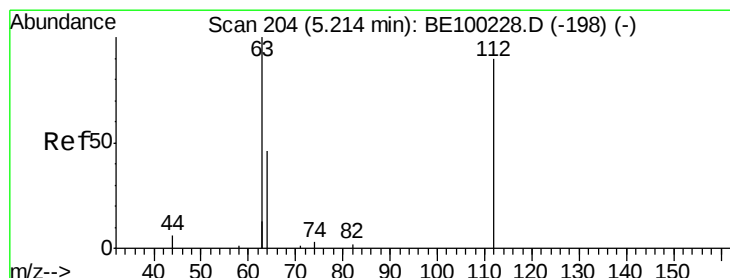
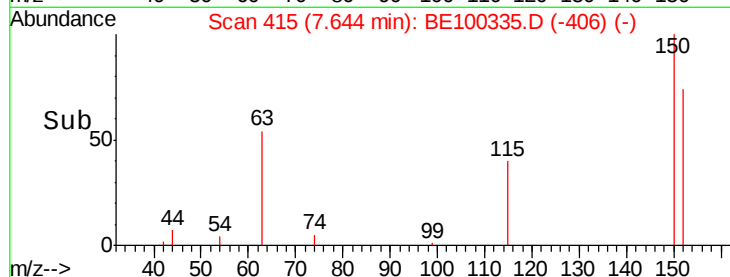
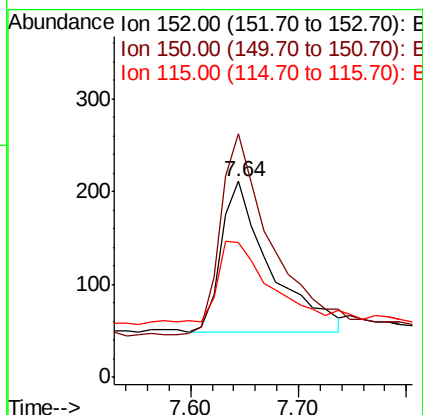
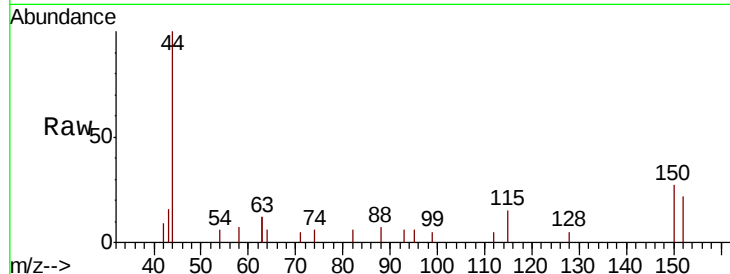
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.64 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	124.2	114.5	171.7
115	68.7	57.1	85.7

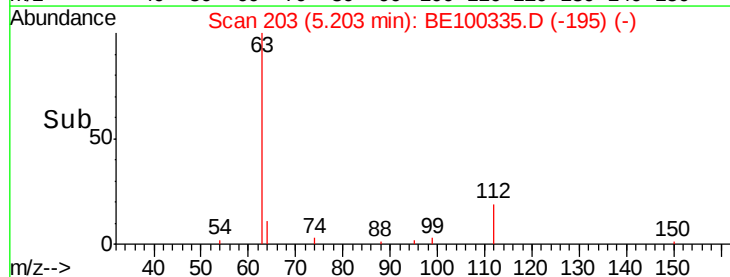
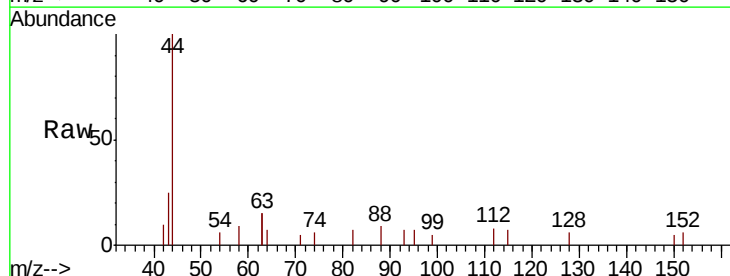
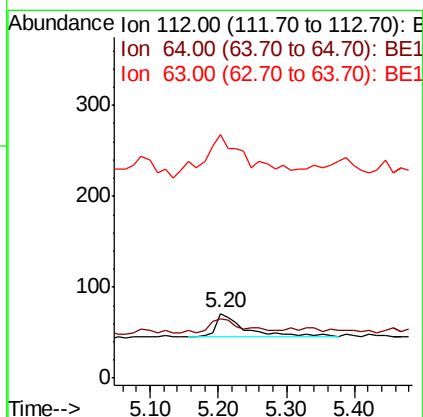
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#4
 2-Fluorophenol
 Concen: 0.065 ng
 RT: 5.20 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	39.4	59.0#
63	257.1	104.5	156.7#





#5

Phenol-d6

Concen: 0.048 ng

RT: 6.87 min Scan# 348

Delta R.T. 0.04 min

Lab File: BE100335.D

Acq: 3 Jul 2019 19:01

Instrument :

BNA_E

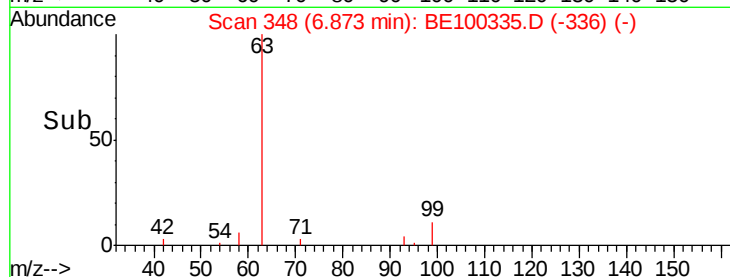
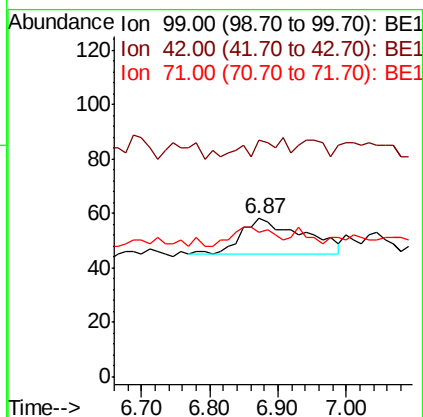
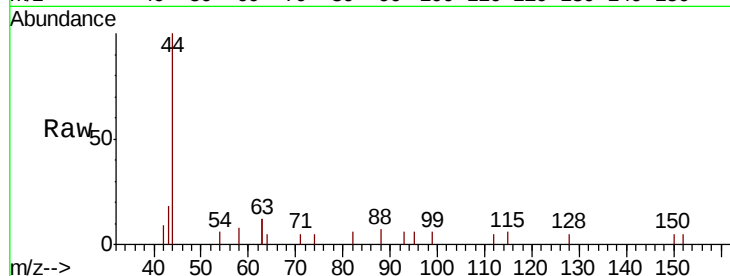
ClientSampleId :

PST-007-B256-061819DL

Tot Ion:	99	Resp:	82
Ion	Ratio	Lower	Upper
99	100		
42	18.3	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

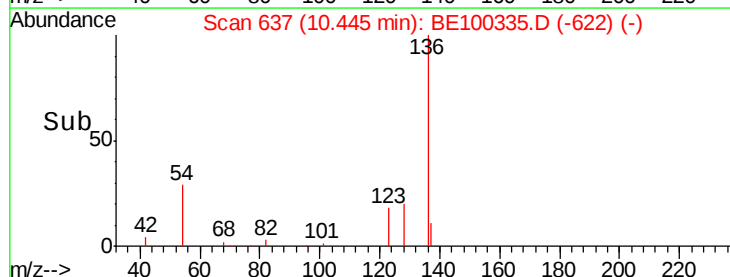
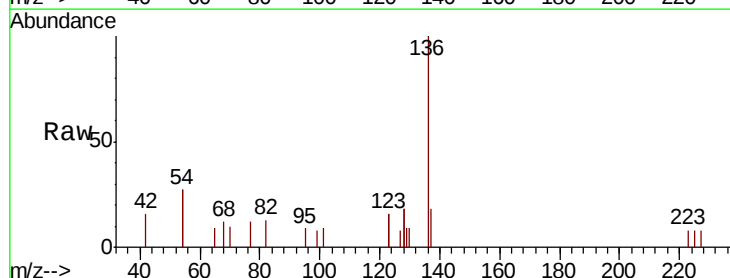
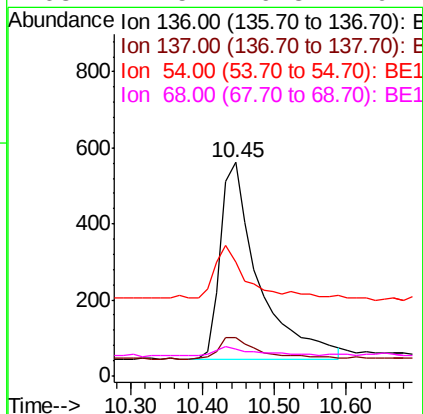
RT: 10.45 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100335.D

Acq: 3 Jul 2019 19:01

Tgt Ion:	136	Resp:	1906
Ion	Ratio	Lower	Upper
136	100		
137	18.1	11.8	17.8#
54	53.0	27.7	41.5#
68	12.5	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.046 ng

RT: 8.86 min Scan# 515

Delta R.T. 0.04 min

Lab File: BE100335.D

Acq: 3 Jul 2019 19:01

Instrument :

BNA_E

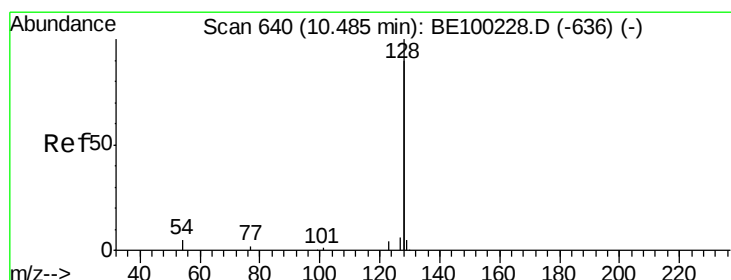
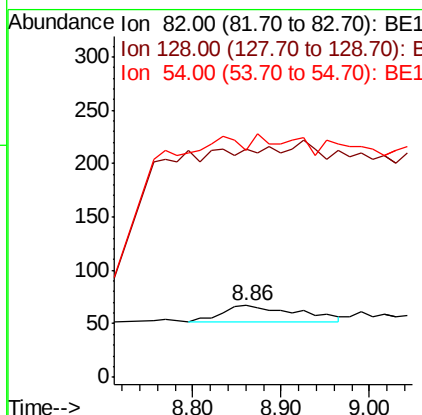
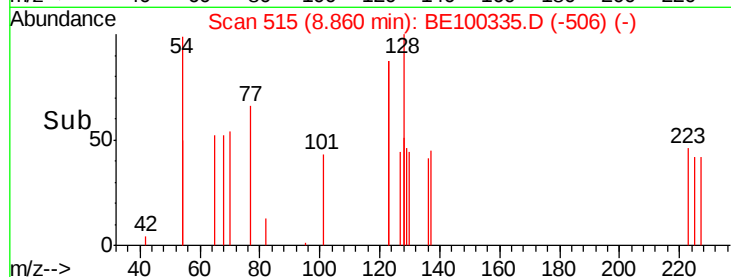
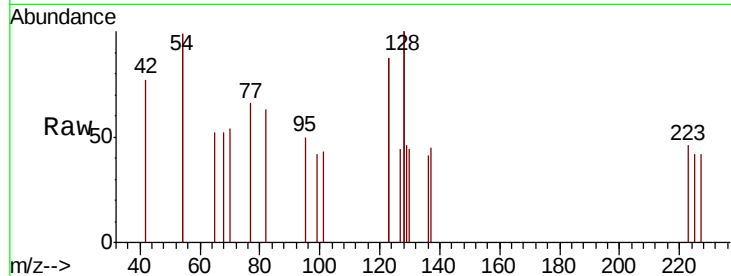
ClientSampleId :

PST-007-B256-061819DL

Tot Ion:	82	Resp:	88
Ion	Ratio	Lower	Upper
82	100		
128	319.4	140.9	211.3#
54	316.4	146.2	219.2#

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#9

Naphthalene

Concen: 0.084 ng

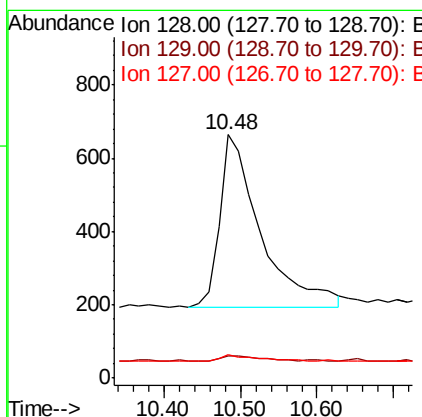
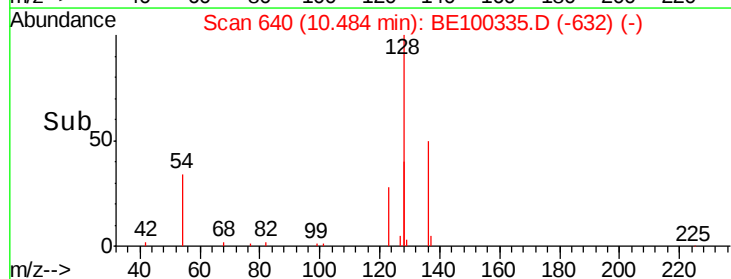
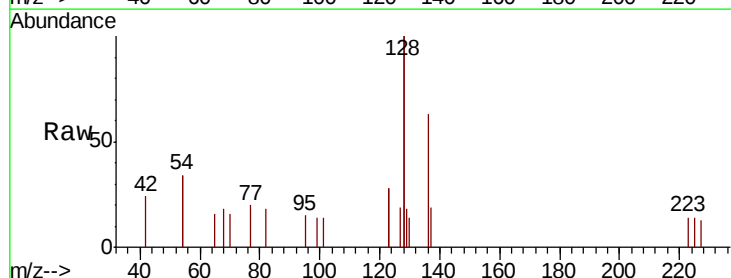
RT: 10.48 min Scan# 640

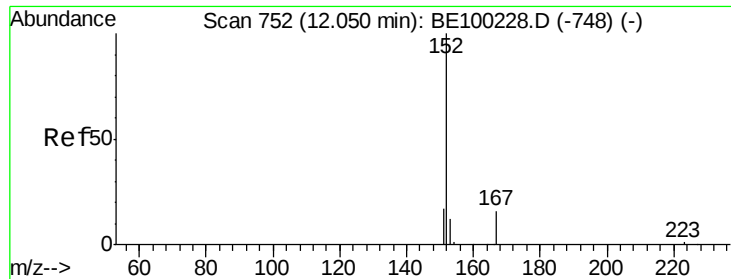
Delta R.T. -0.00 min

Lab File: BE100335.D

Acq: 3 Jul 2019 19:01

Tgt Ion:	128	Resp:	1769
Ion	Ratio	Lower	Upper
128	100		
129	8.9	3.0	4.6#
127	9.6	3.5	5.3#





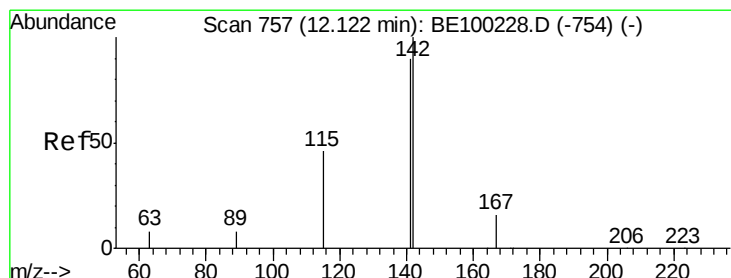
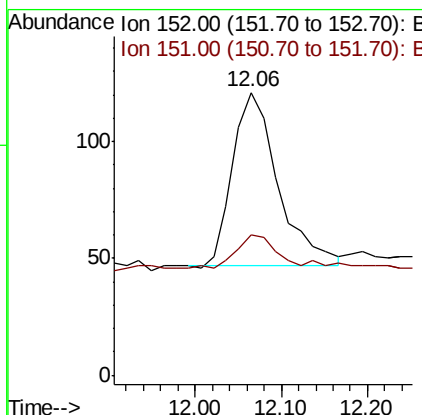
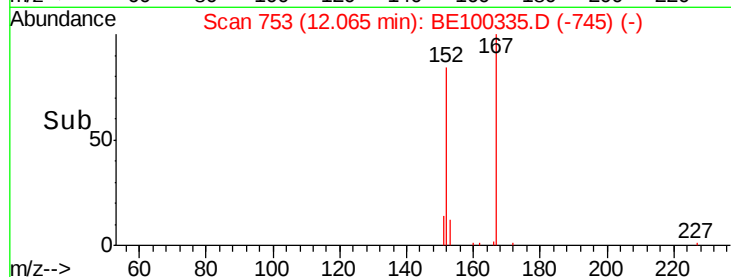
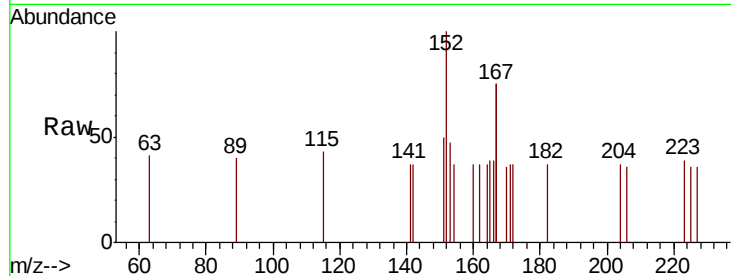
#11
 2-Methylnaphthalene-d10
 Concen: 0.076 ng
 RT: 12.06 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B256-061819DL

Tot Ion:152 Resp: 271
 Ion Ratio Lower Upper
 152 100
 151 15.9 15.1 22.7

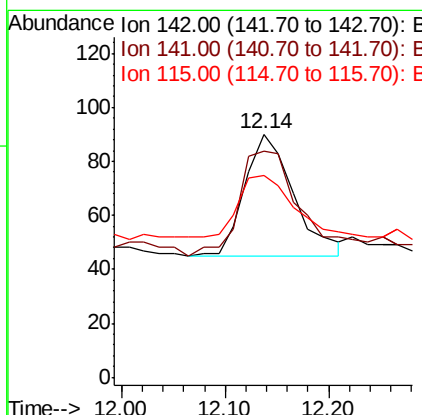
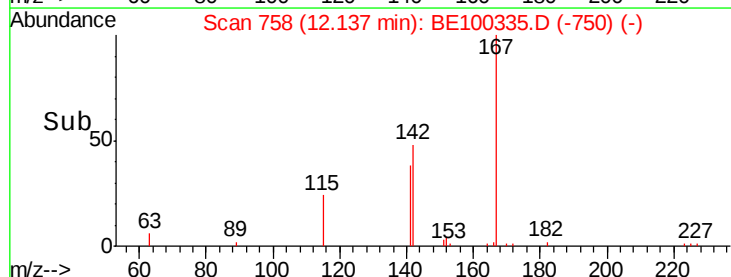
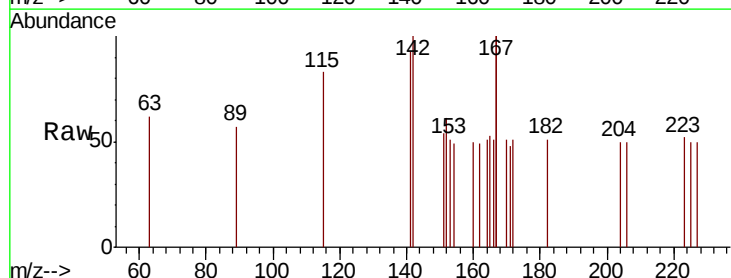
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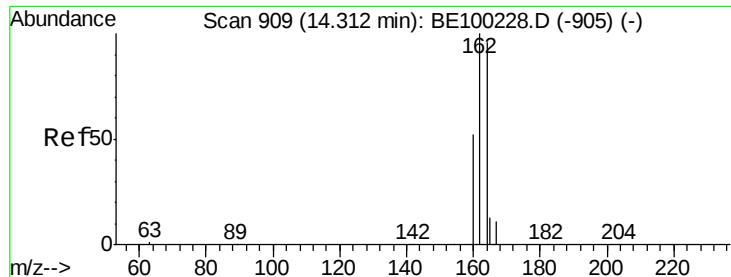
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#12
 2-Methylnaphthalene
 Concen: 0.040 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Tgt Ion:142 Resp: 149
 Ion Ratio Lower Upper
 142 100
 141 93.3 72.4 108.6
 115 83.3 40.4 60.6#





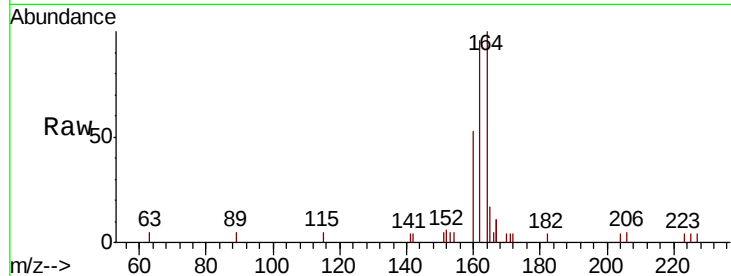
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.9	83.4	125.0
160	53.4	45.0	67.6

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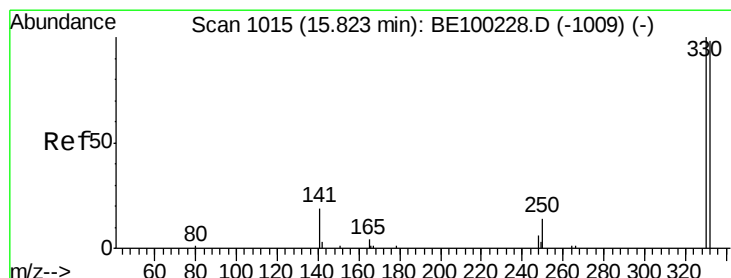
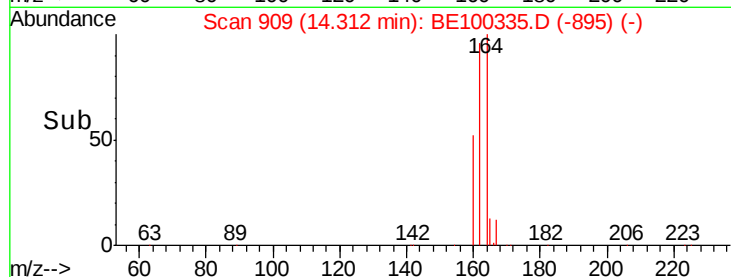
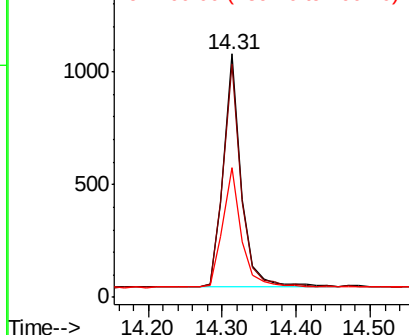


Abundance

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: 0.062 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

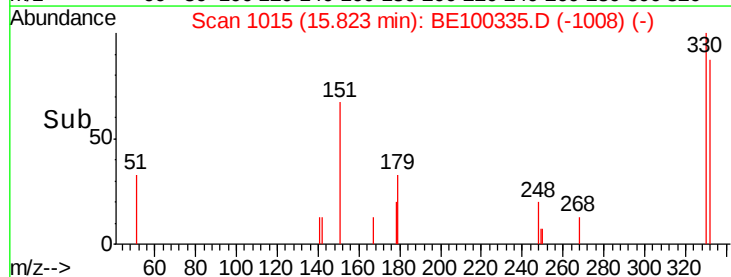
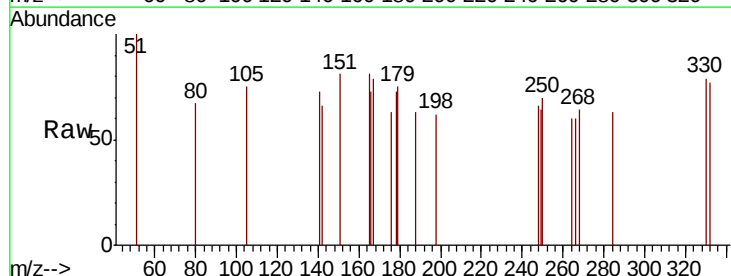
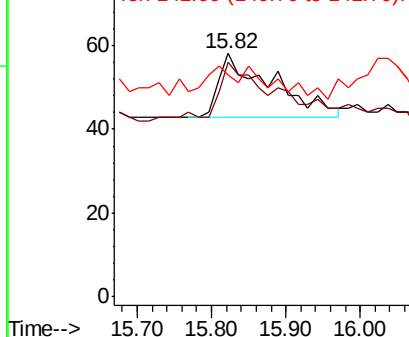
Tgt Ion	Ratio	Lower	Upper
330	100		
332	84.0	77.0	115.4
141	18.7	22.0	33.0#

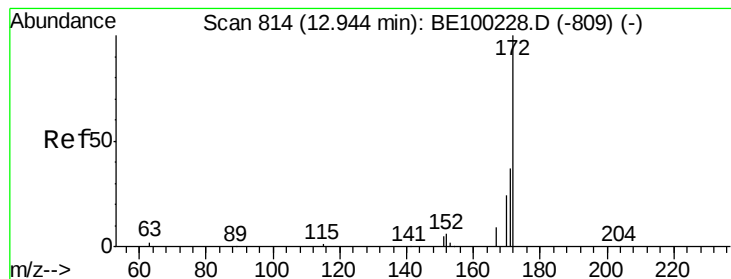
Abundance

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





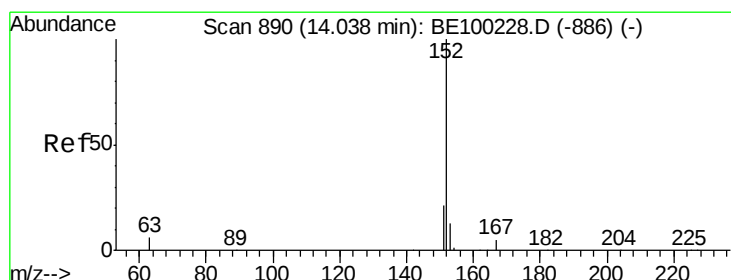
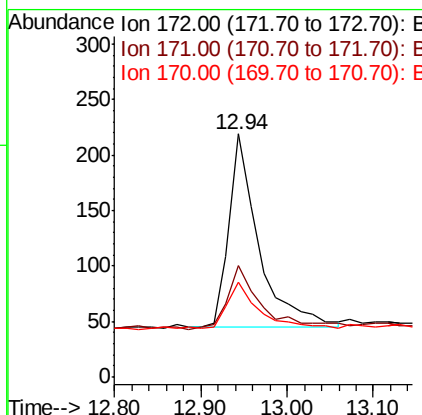
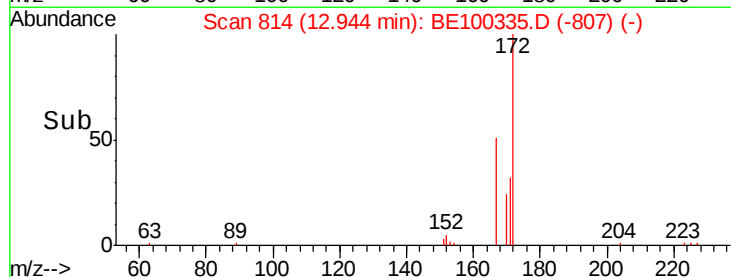
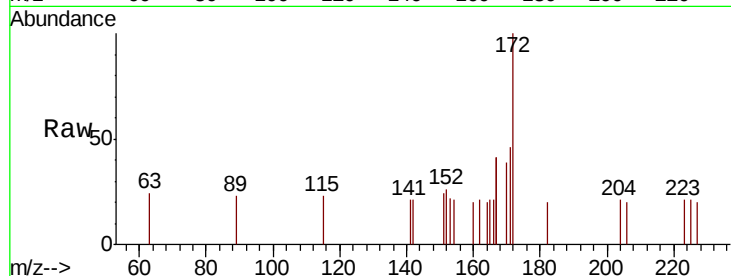
#15
2-Fluorobiphenyl
Concen: 0.062 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
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PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.7	31.9	47.9
170	38.8	22.2	33.2

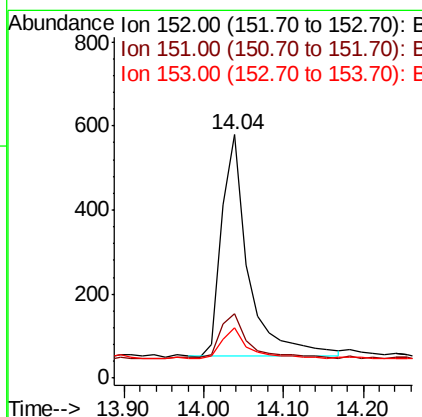
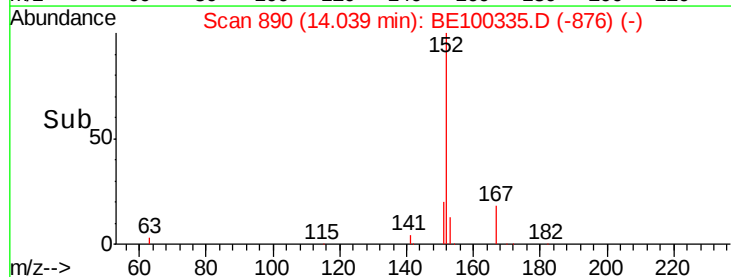
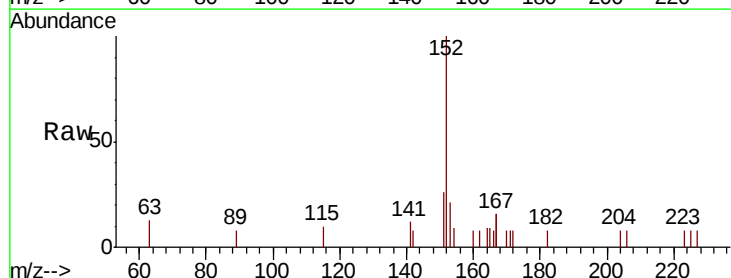
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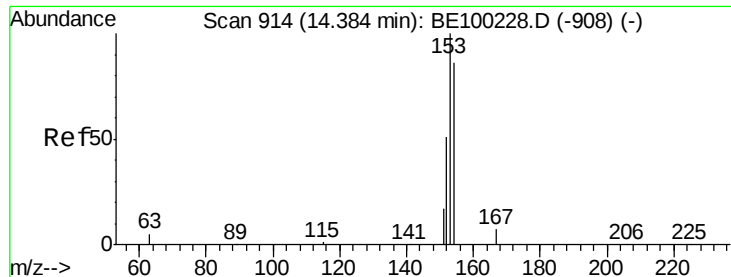
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#16
Acenaphthylene
Concen: 0.149 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.7	16.6	25.0
153	13.0	10.5	15.7





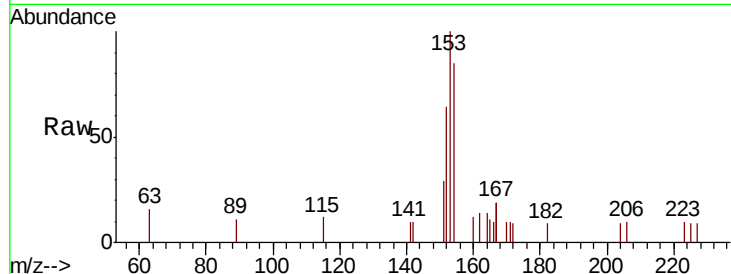
#17
Acenaphthene
Concen: 0.140 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.5	93.4	140.2
152	62.9	49.4	74.2

Manual Integrations
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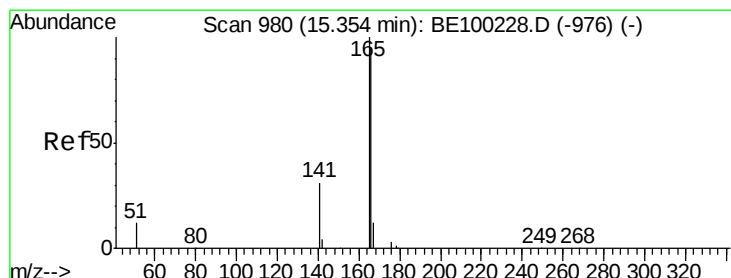
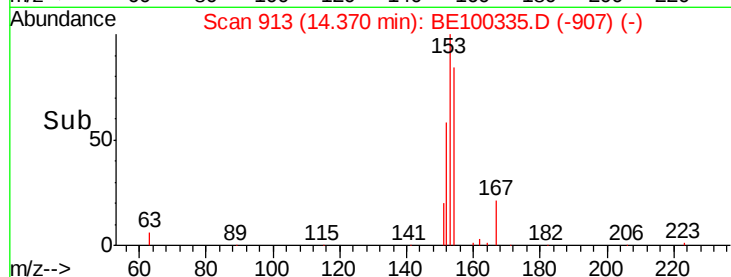
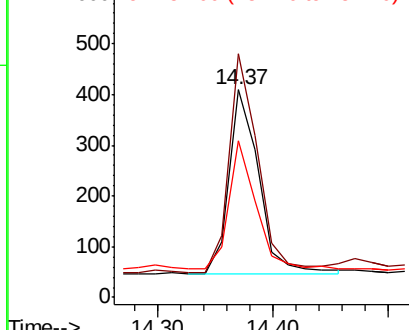


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.146 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

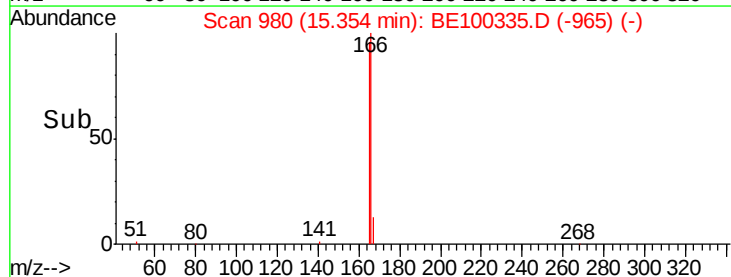
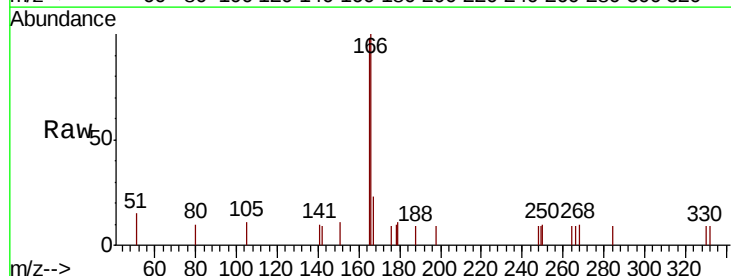
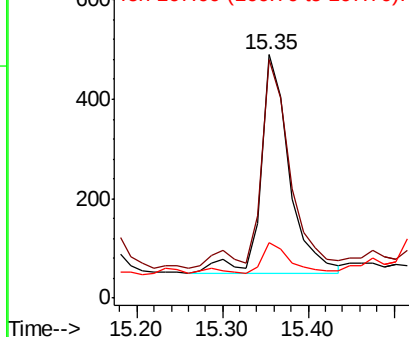
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.1	121.7
167	13.9	10.7	16.1

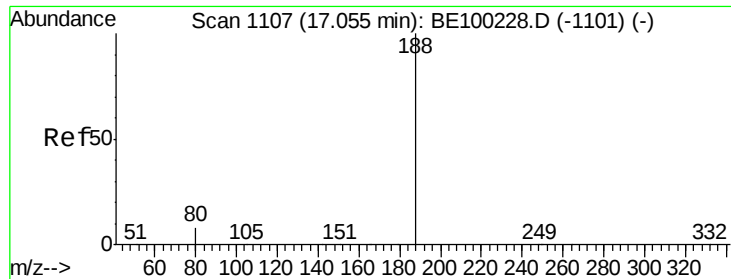
Abundance

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





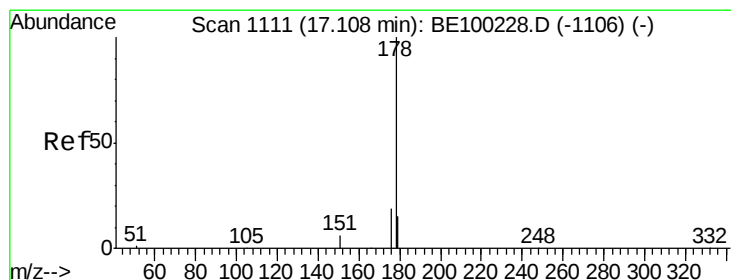
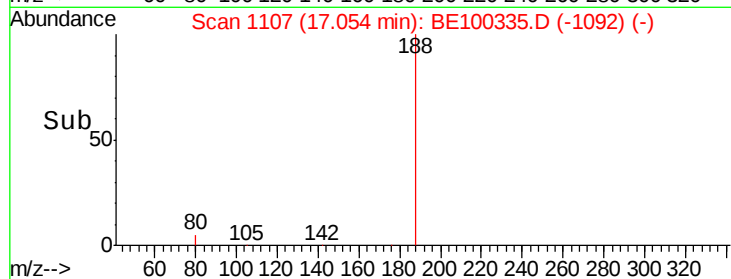
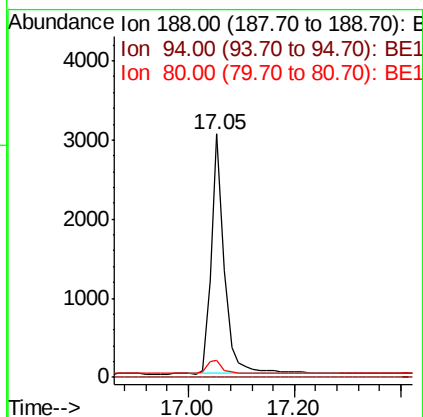
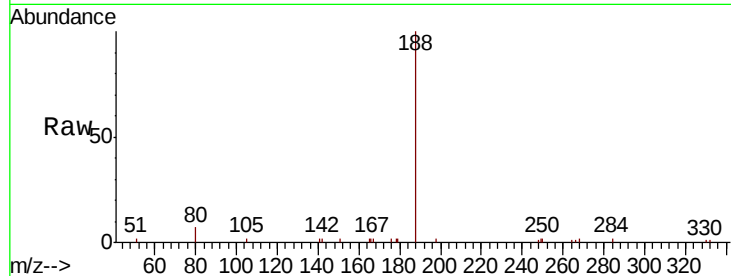
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5132		
94	0.0	0.0	0.0	
80	7.0	7.6	11.4	

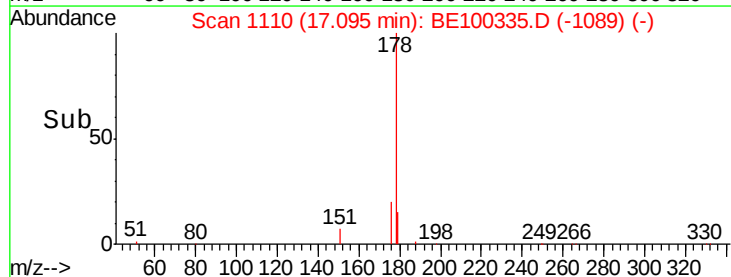
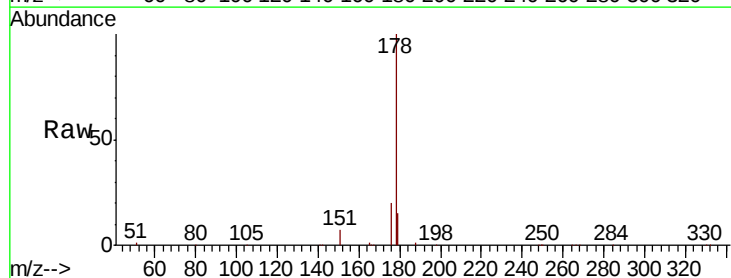
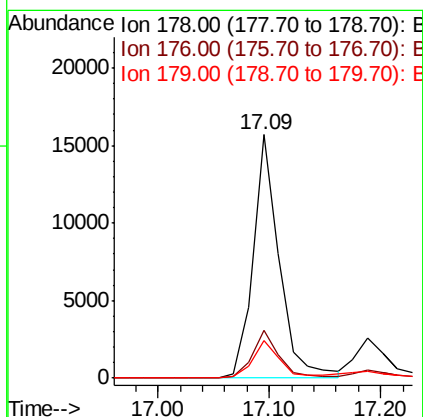
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#23
Phenanthrene
Concen: 2.026 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	25203		
176	19.6	15.9	23.9	
179	15.0	12.2	18.2	





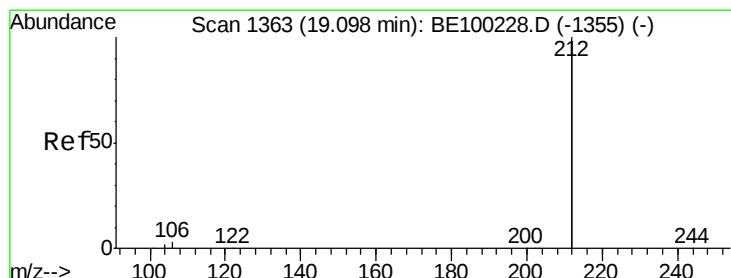
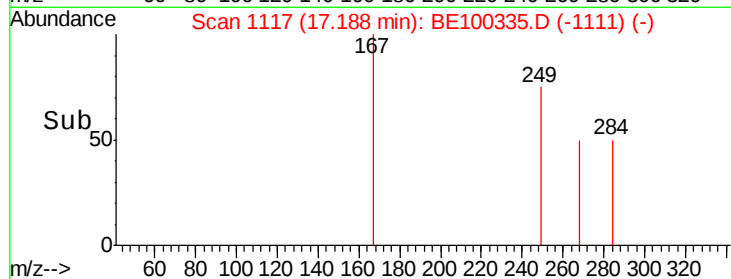
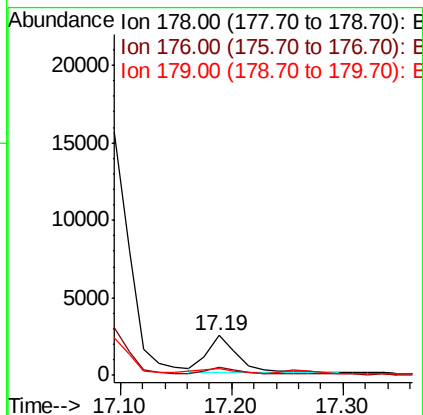
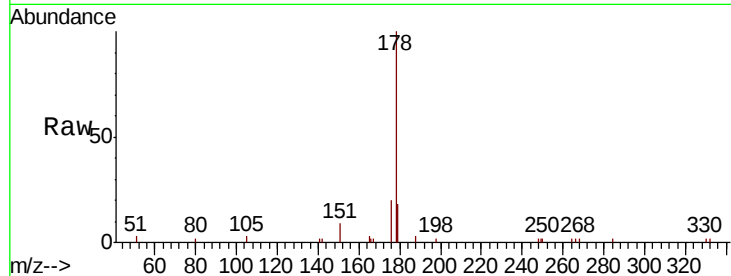
#24
 Anthracene
 Concen: 0.402 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B256-061819DL

Tot Ion:178 Resp: 4507
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 17.8 12.2 18.2

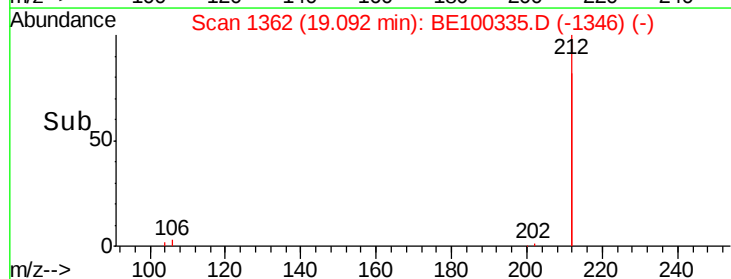
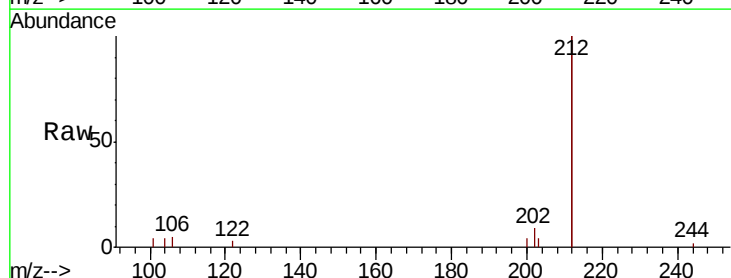
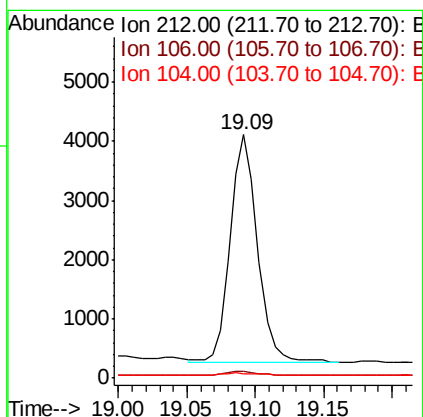
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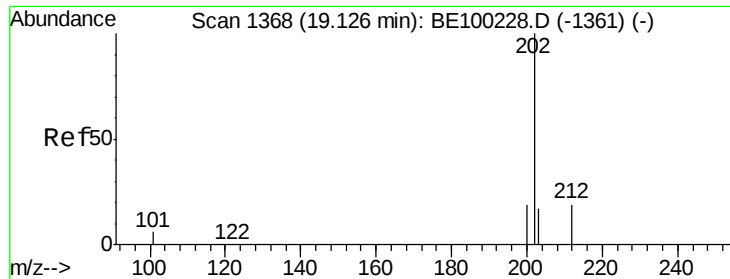
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#25
 Fluoranthene-d10
 Concen: 0.072 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Tgt Ion:212 Resp: 5356
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.3 1.9#
 104 1.2 0.8 1.2





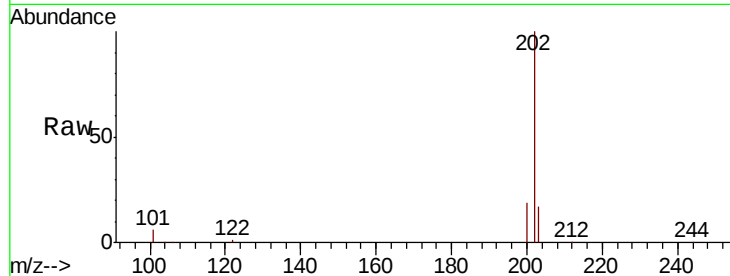
#26
Fluoranthene
Concen: 3.349 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.2	13.7	20.5

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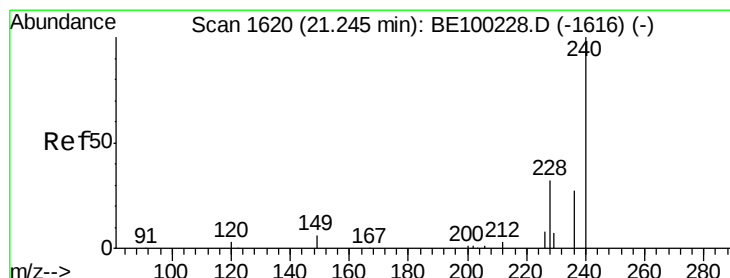
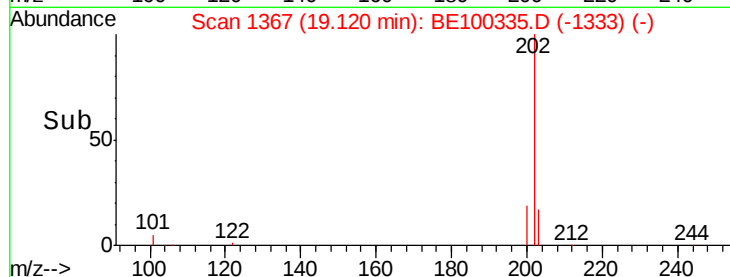
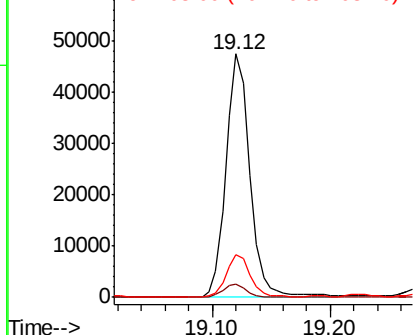


Abundance

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: 21.24 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

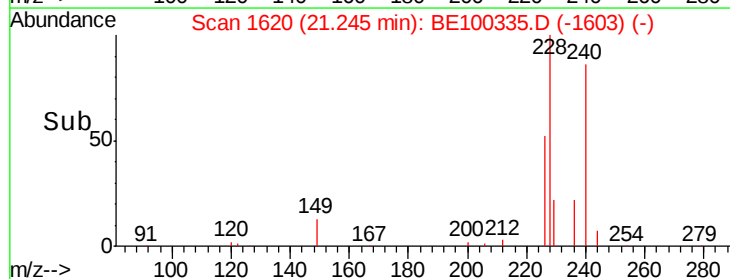
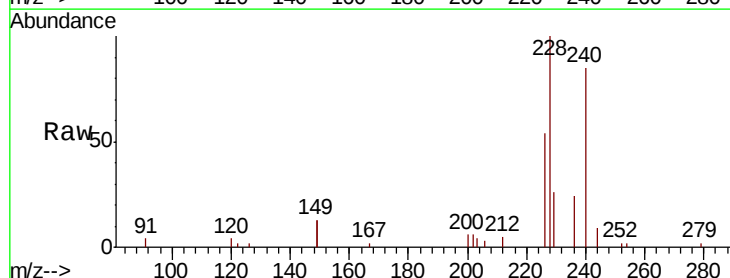
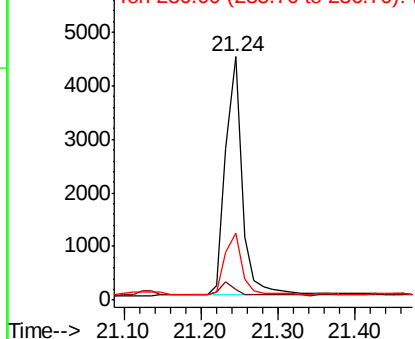
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.2	3.3	4.9
236	27.7	22.6	34.0

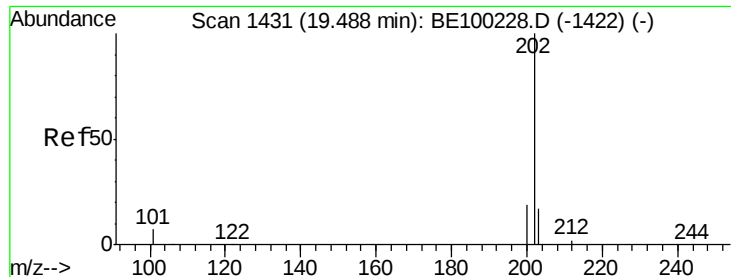
Abundance

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





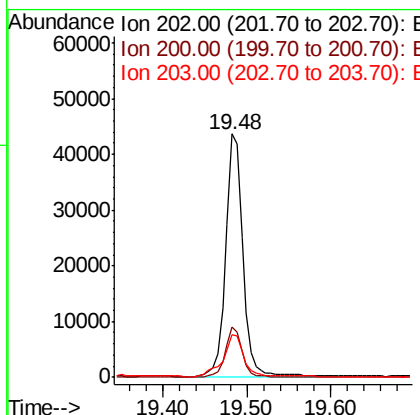
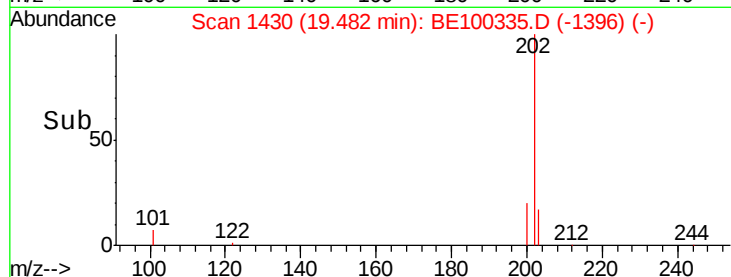
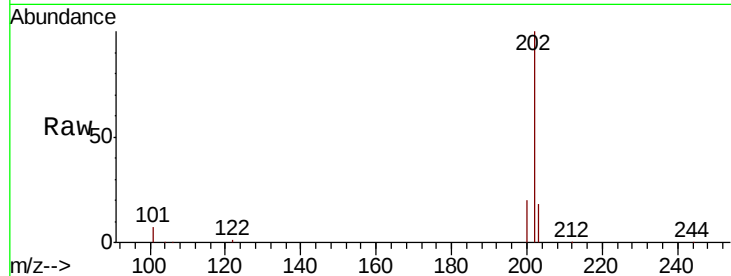
#28
Pvrene
Concen: 3.478 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.5	14.0	21.0

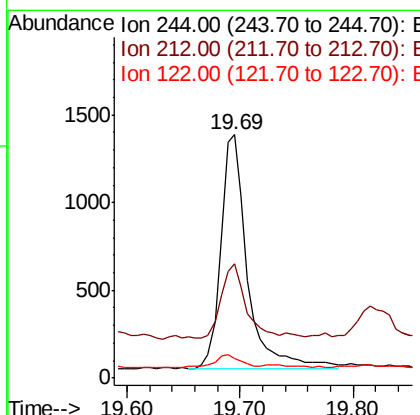
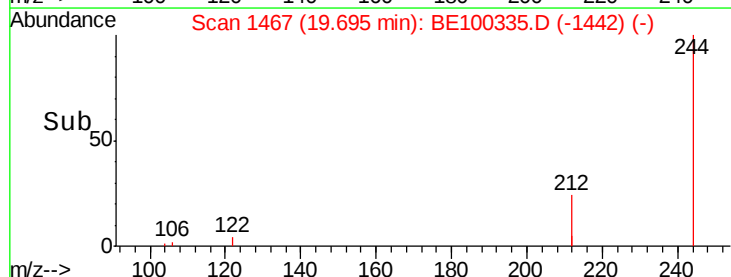
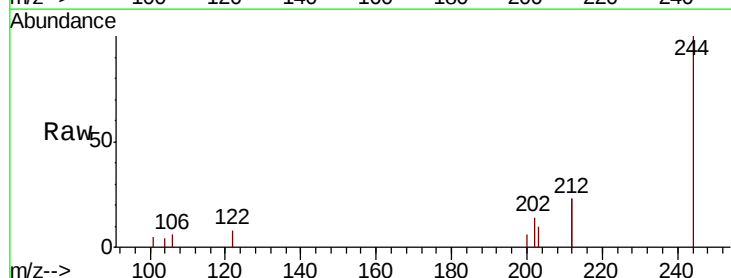
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#29
Terphenyl-d14
Concen: 0.157 ng
RT: 19.69 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	47.0	27.3	40.9#
122	8.2	4.7	7.1#





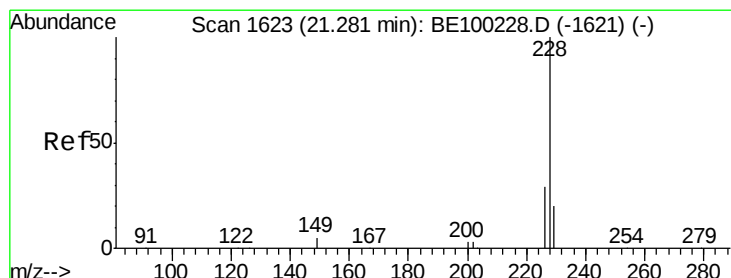
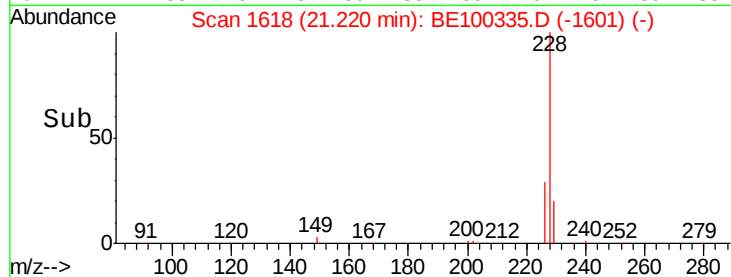
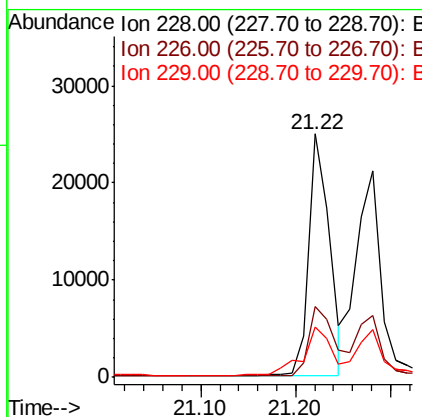
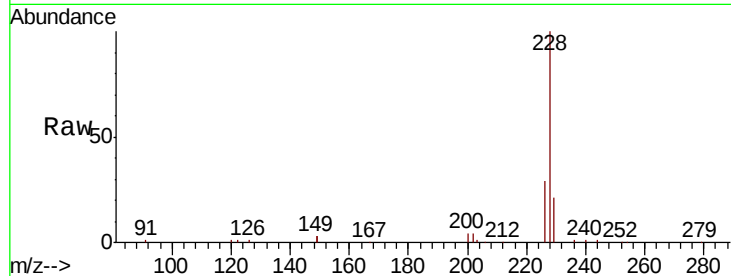
#30
Benzo(a)anthracene
Concen: 1.733 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.2	34.8
229	20.7	15.7	23.5

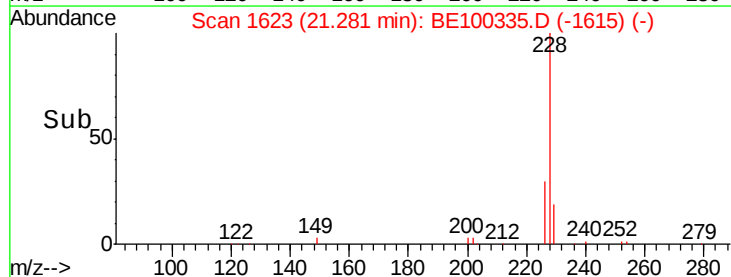
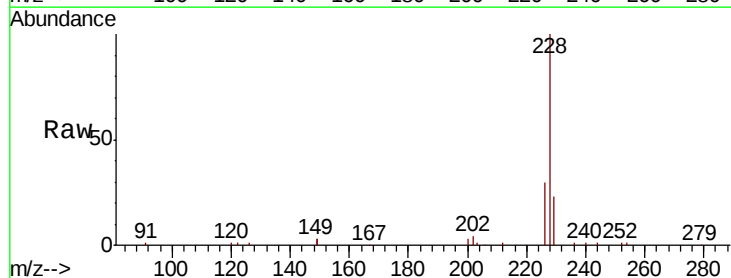
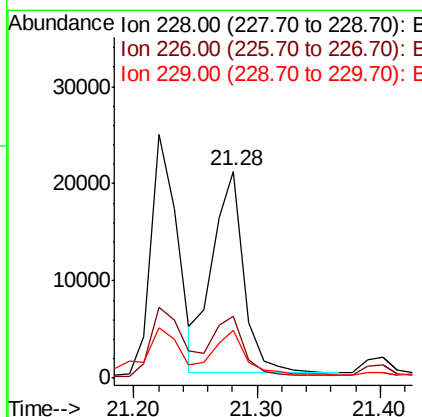
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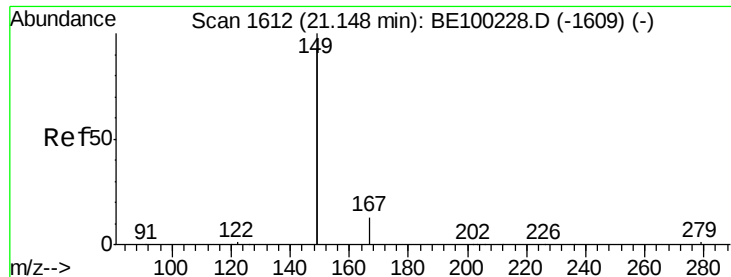
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#31
Chrysene
Concen: 1.665 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	22.8	16.5	24.7





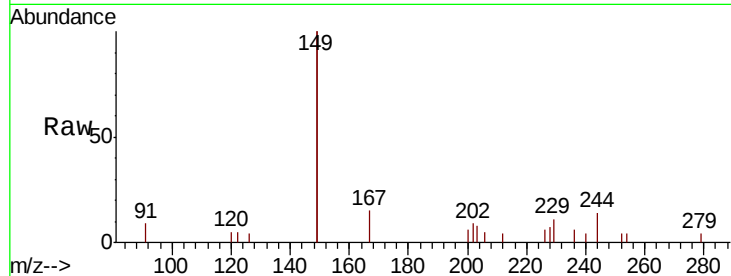
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.054 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.2	5.8	8.8
279	2.0	1.1	1.7#

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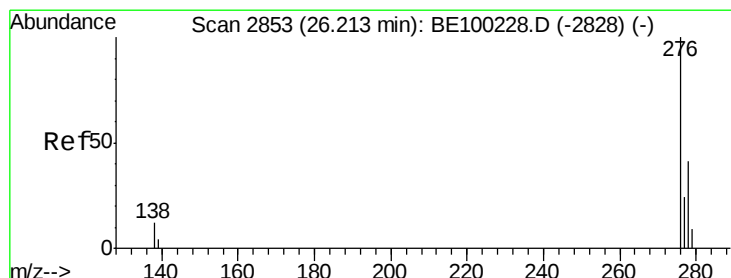
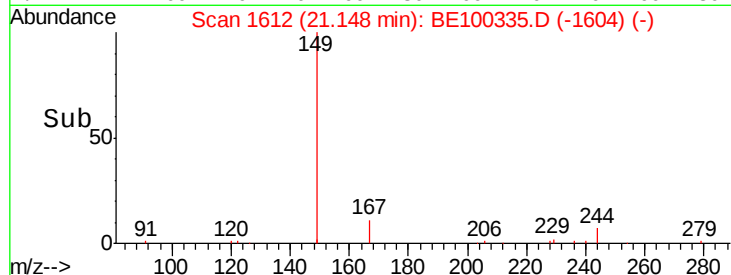
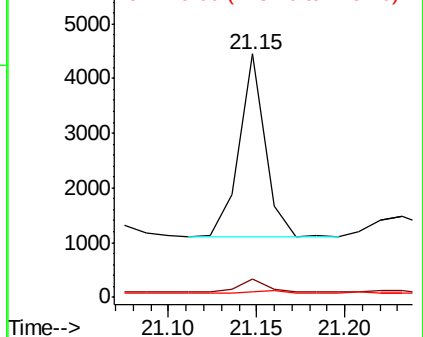


Abundance

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: 0.802 ng
RT: 26.21 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

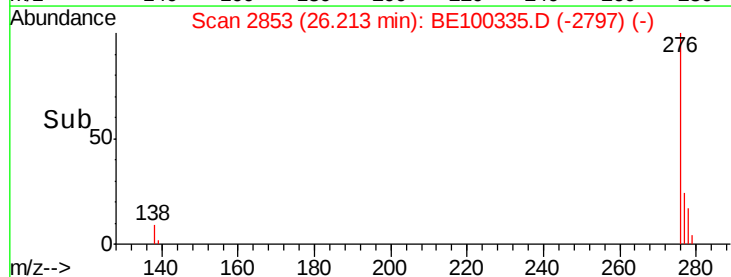
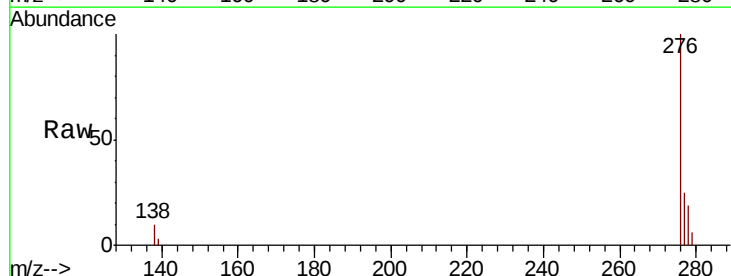
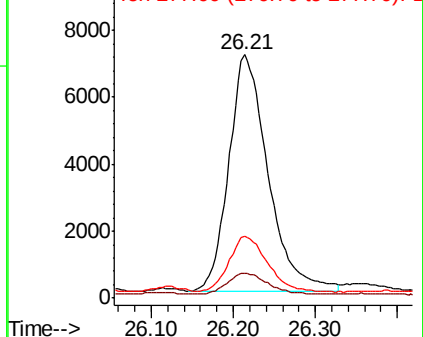
Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	22.8	19.2	28.8

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





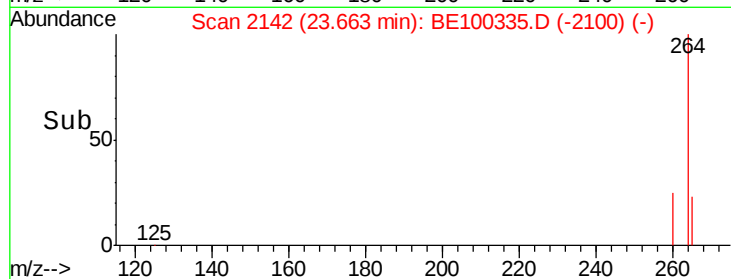
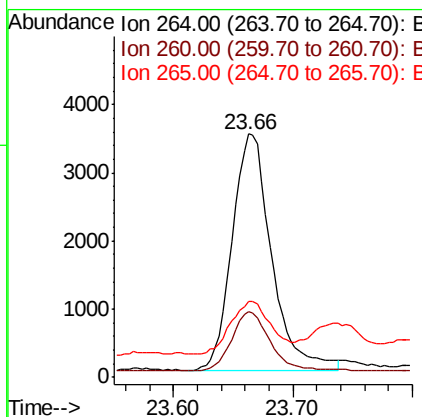
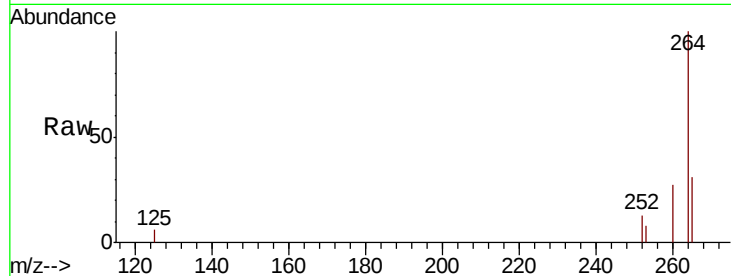
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.8	31.2
265	31.0	21.8	32.6

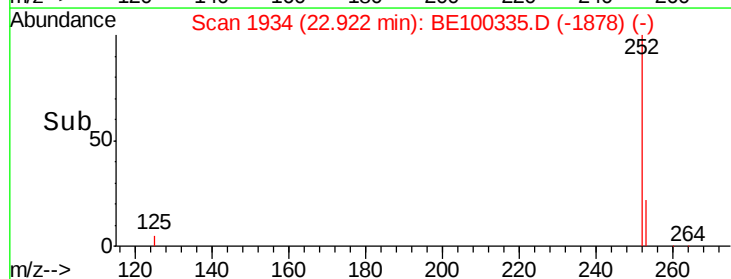
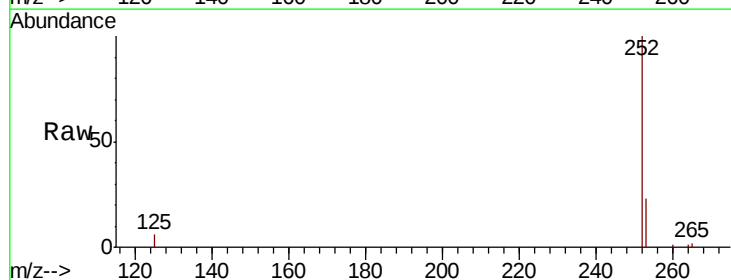
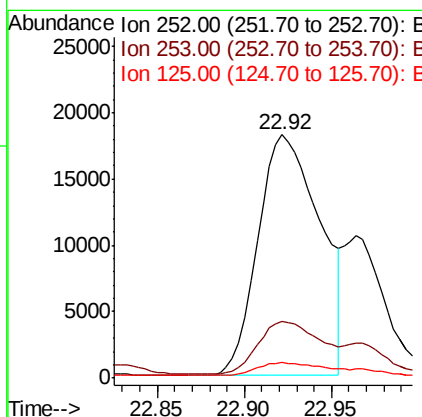
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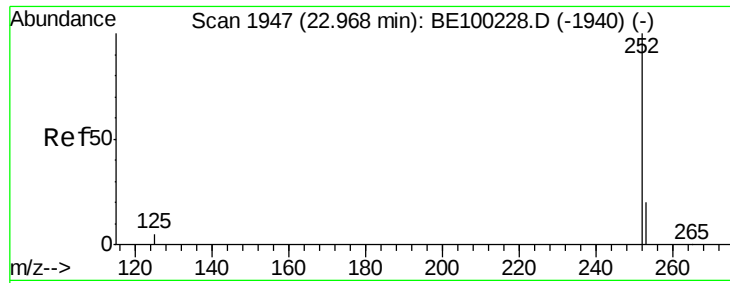
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#35
 Benzo(b)fluoranthene
 Concen: 2.081 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100335.D
 Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	6.3	7.4	11.0#





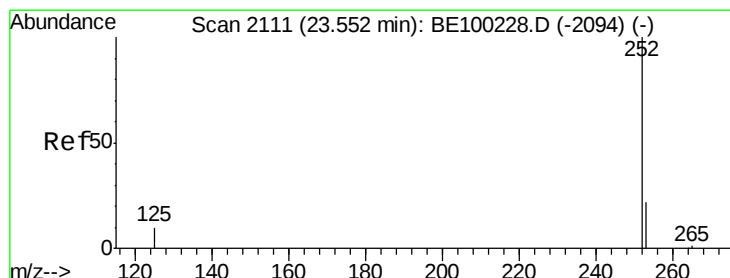
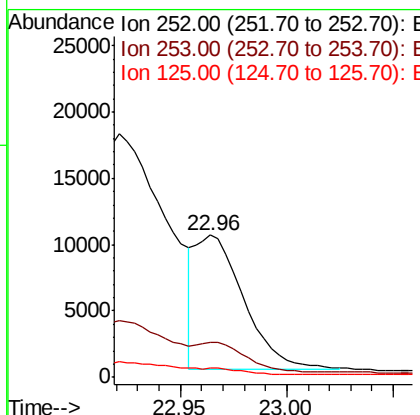
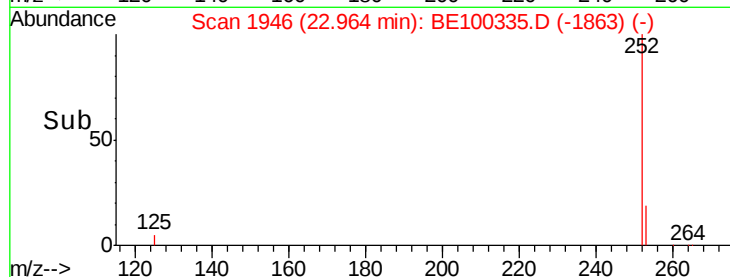
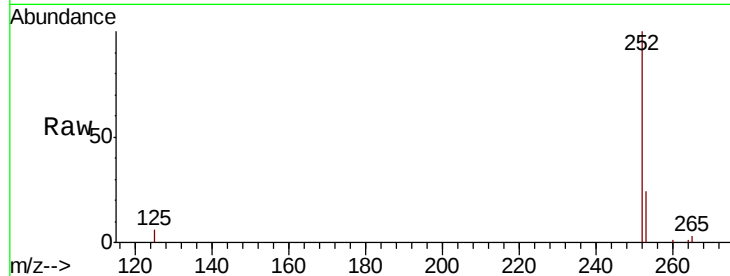
#36
Benzo(k)fluoranthene
Concen: 0.662 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	6.2	5.0	7.4

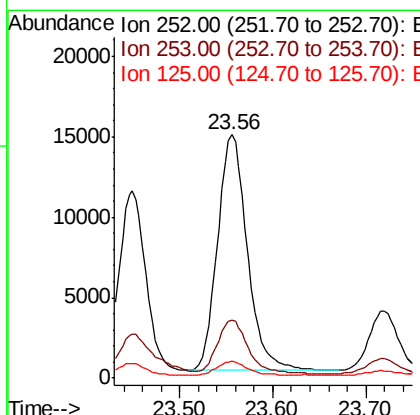
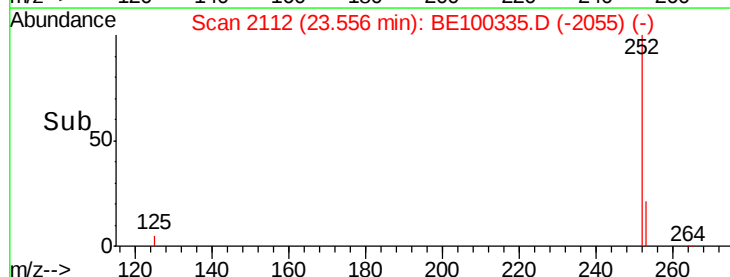
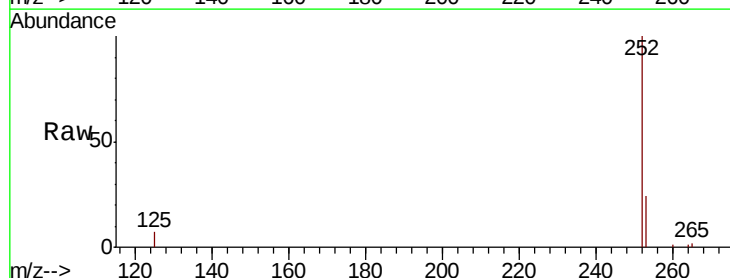
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#37
Benzo(a)pyrene
Concen: 1.507 ng
RT: 23.56 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.6	29.4
125	6.8	9.0	13.6





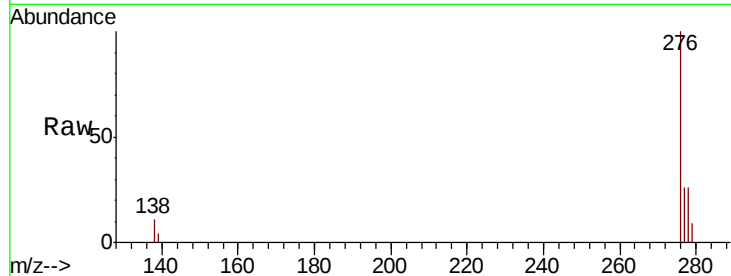
#38
Dibenzo(a,h)anthracene
Concen: 0.233 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Instrument :
BNA_E
ClientSampleId :
PST-007-B256-061819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	8.2	12.2#
279	34.7	20.3	30.5#

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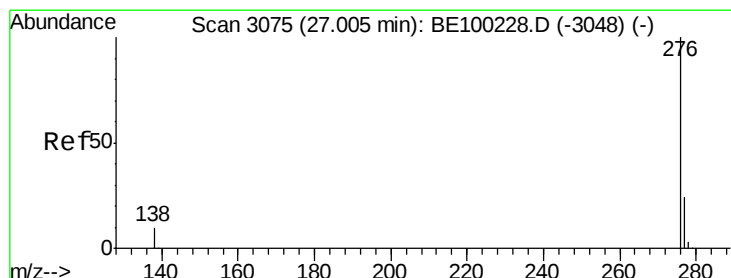
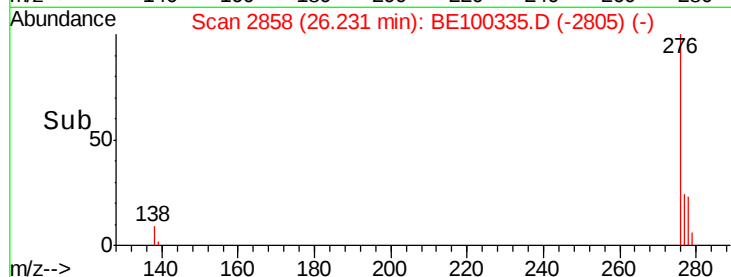
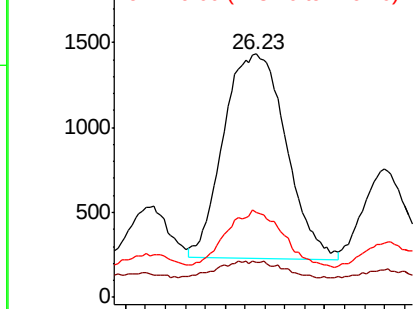


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 1.046 ng
RT: 27.01 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BE100335.D
Acq: 3 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.2
138	10.5	9.0	13.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

