

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100377.D
 Acq On : 5 Jul 2019 12:33
 Operator : JU/SJ
 Sample : K3561-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-B228-062519

Manual Integrations
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 7/8/2019 2:13:33 PM

Quant Time: Jul 06 00:24:36 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	7.62	152	566	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1872	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1556	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5120	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	7536	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8804	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	634	0.44	ng	-0.01
5) Phenol-d6	6.81	99	815	0.43	ng	-0.02
8) Nitrobenzene-d5	8.79	82	627	0.34	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1296	0.37	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	526	0.48	ng	-0.03
15) 2-Fluorobiphenyl	12.93	172	2184	0.36	ng	-0.01
25) Fluoranthene-d10	19.08	212	24963	0.34	ng	-0.02
29) Terphenyl-d14	19.68	244	5150	0.33	ng	-0.02

Target Compounds						Qvalue
9) Naphthalene	10.47	128	2122	0.103	ng	# 89
12) 2-Methylnaphthalene	12.11	142	597	0.165	ng	93
16) Acenaphthylene	14.02	152	1213	0.162	ng	# 96
17) Acenaphthene	14.37	154	622	0.147	ng	# 84
18) Fluorene	15.34	166	1459	0.233	ng	# 91
23) Phenanthrene	17.08	178	51107	4.118	ng	99
24) Anthracene	17.17	178	3708	0.332	ng	# 95
26) Fluoranthene	19.11	202	55287	2.797	ng	98
28) Pyrene	19.47	202	91479	4.585	ng	# 96
30) Benzo(a)anthracene	21.21	228	40435	1.632	ng	98
31) Chrysene	21.27	228	51509	2.070	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	5184	0.090	ng	99
33) Indeno(1,2,3-cd)pyrene	26.20	276	18123	0.551	ng	98
35) Benzo(b)fluoranthene	22.91	252	36842	1.543	ng	# 98
36) Benzo(k)fluoranthene	22.95	252	12472m	0.468	ng	
37) Benzo(a)pyrene	23.54	252	30112	1.259	ng	# 96
38) Dibenzo(a,h)anthracene	26.21	278	5143	0.206	ng	# 84
39) Benzo(a,h,i)perylene	26.98	276	23600	0.919	ng	99

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

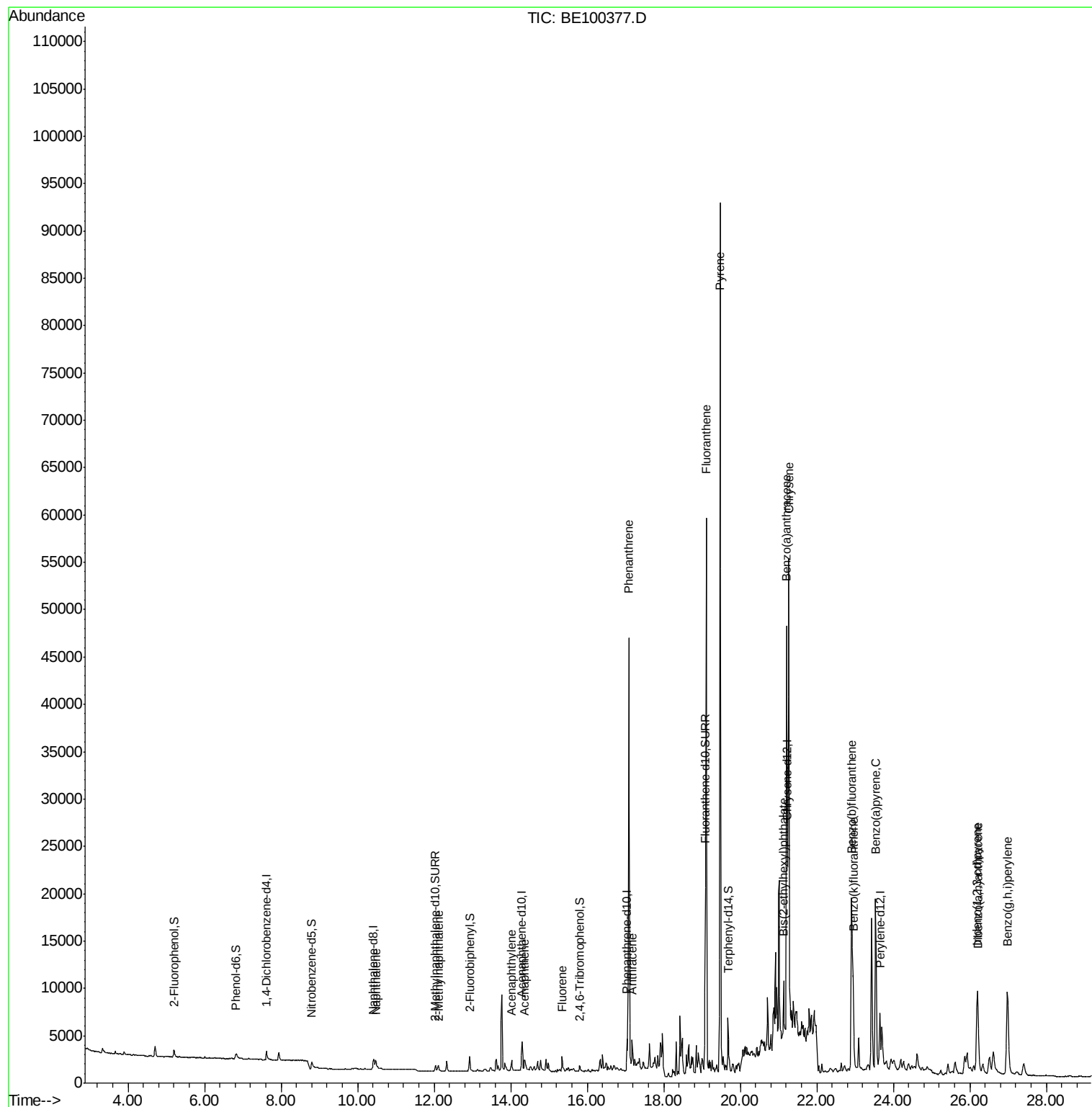
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100377.D
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#1

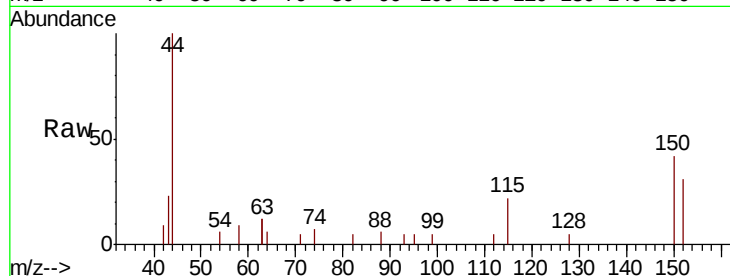
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

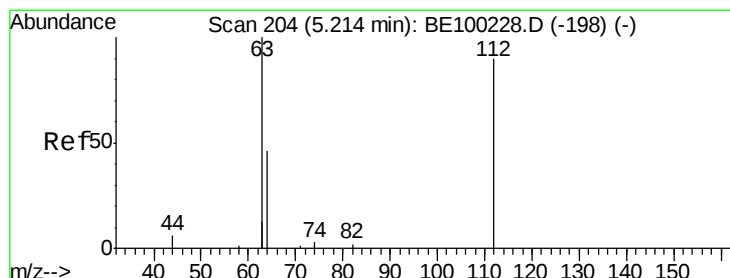
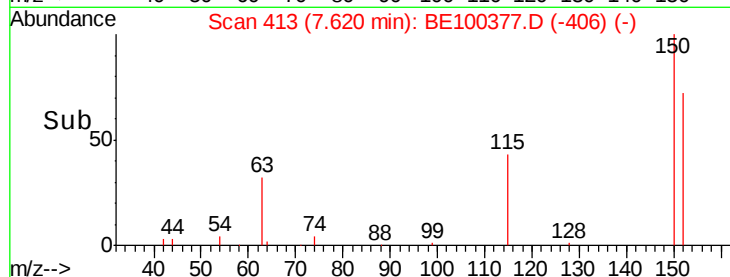
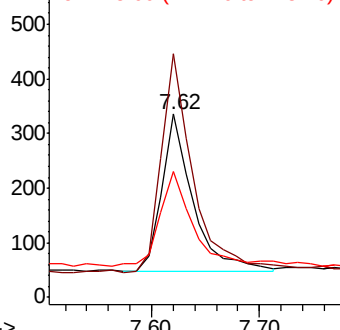
Tot Ion	Ratio	Lower	Upper
152	100		
150	133.1	114.5	171.7
115	69.0	57.1	85.7

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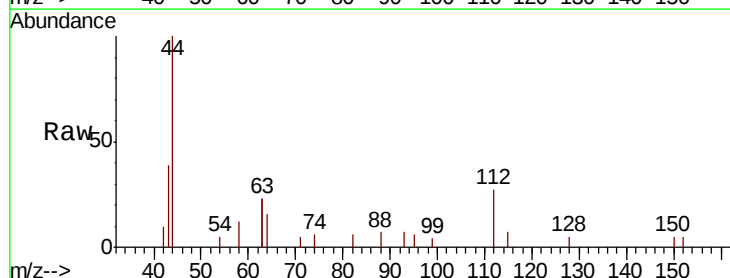
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



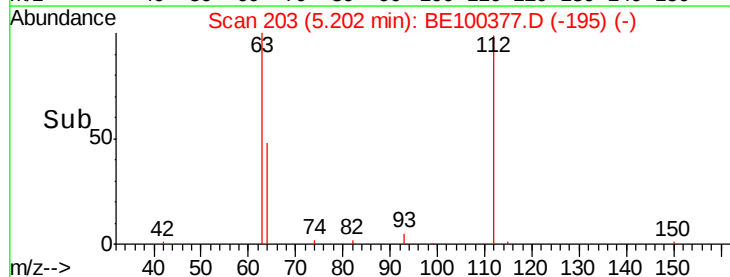
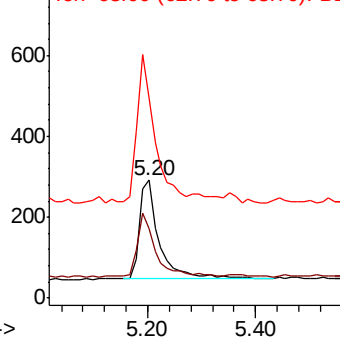
#4

2-Fluorophenol
Concen: 0.439 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	39.4	59.0
63	131.2	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: 0.429 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Instrument :

BNA_E

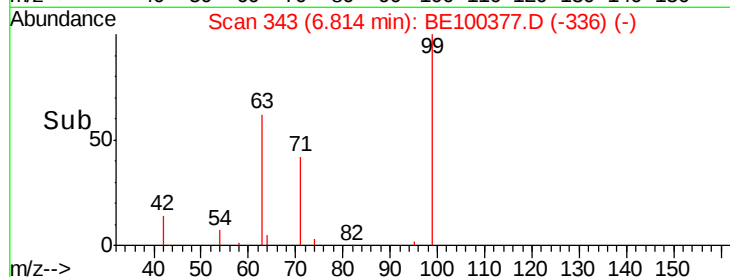
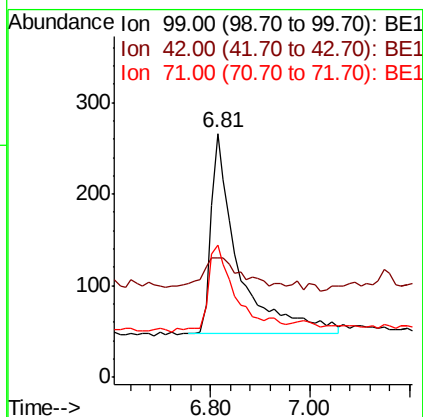
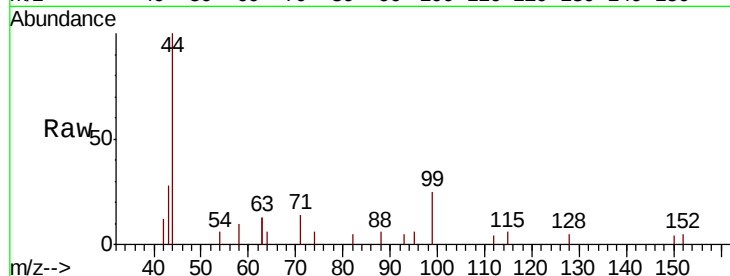
ClientSampleId :

PST-015-B228-062519

Tot Ion:	99	Resp:	815
Ion	Ratio	Lower	Upper
99	100		
42	18.7	11.2	16.8#
71	40.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

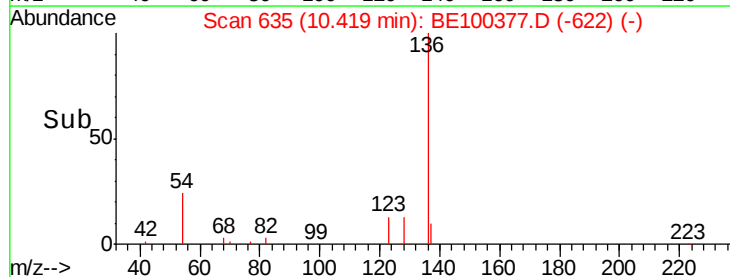
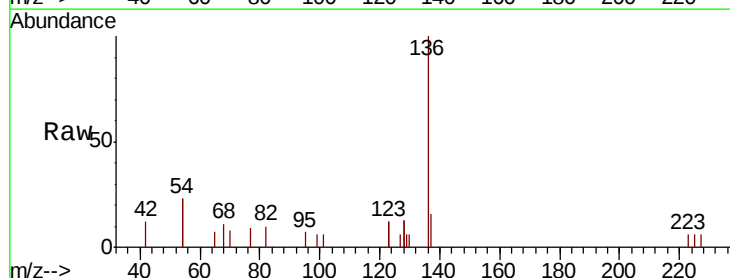
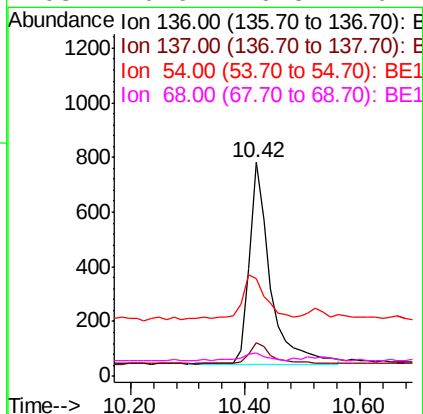
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Tgt Ion:	136	Resp:	1872
Ion	Ratio	Lower	Upper
136	100		
137	15.9	11.8	17.8
54	45.5	27.7	41.5#
68	10.6	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.337 ng

RT: 8.79 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Instrument :

BNA_E

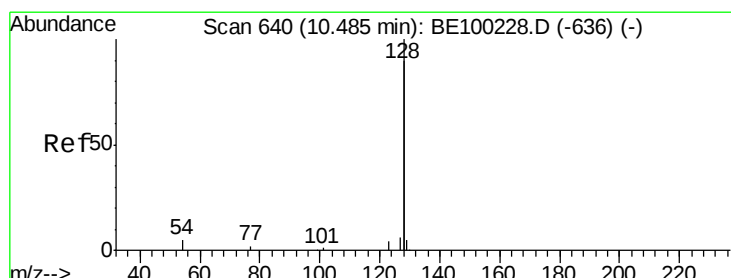
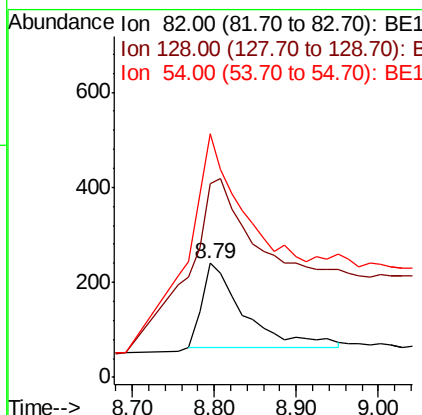
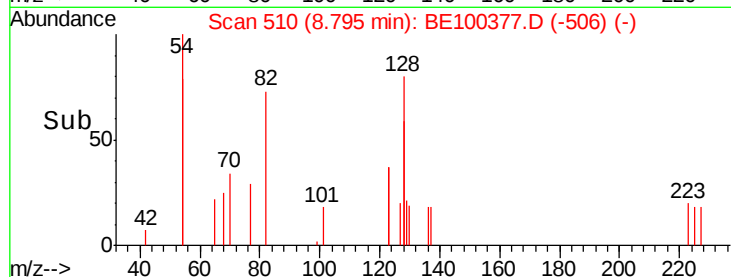
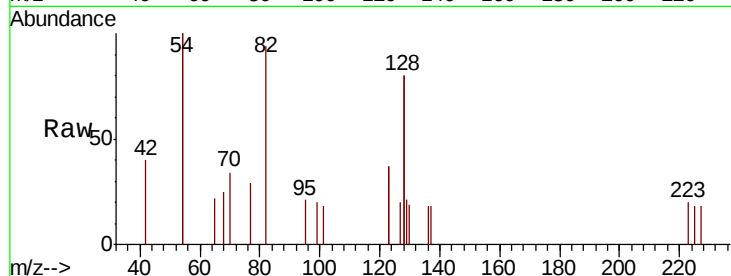
ClientSampleId :

PST-015-B228-062519

Tot Ion:	82	Resp:	627
Ion	Ratio	Lower	Upper
82	100		
128	170.0	140.9	211.3
54	213.3	146.2	219.2

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#9

Naphthalene

Concen: 0.103 ng

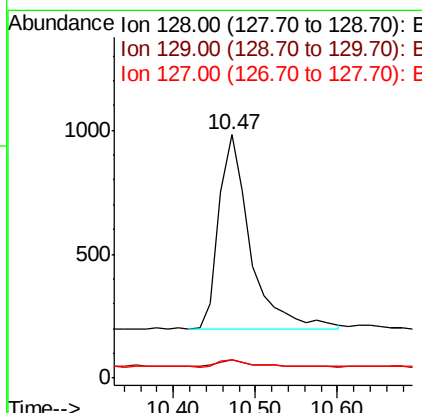
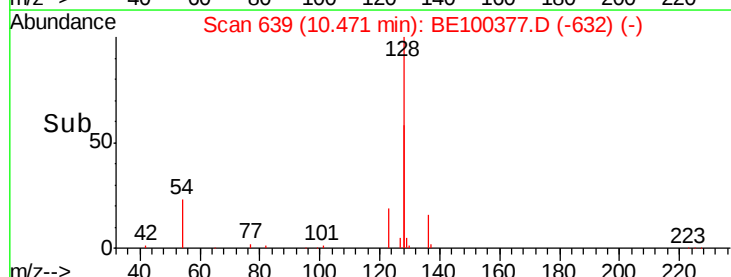
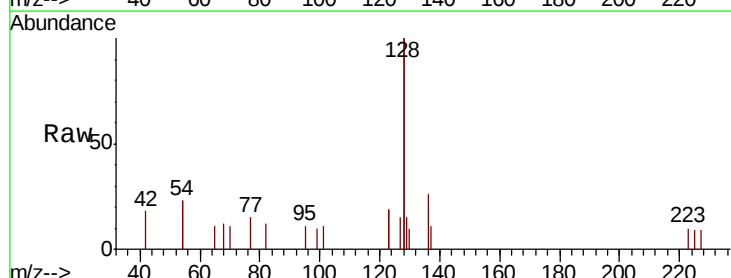
RT: 10.47 min Scan# 639

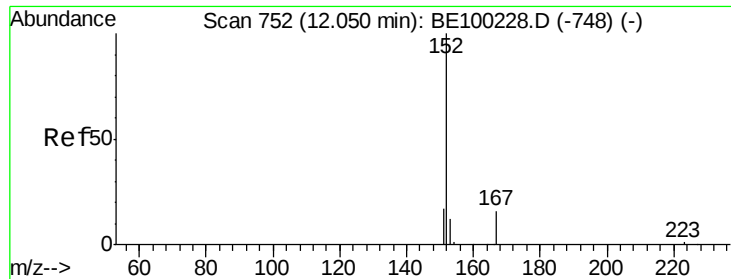
Delta R.T. -0.01 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Tgt Ion:	128	Resp:	2122
Ion	Ratio	Lower	Upper
128	100		
129	7.7	3.0	4.6#
127	7.5	3.5	5.3#





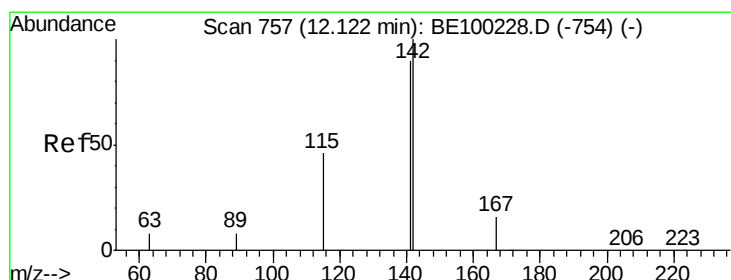
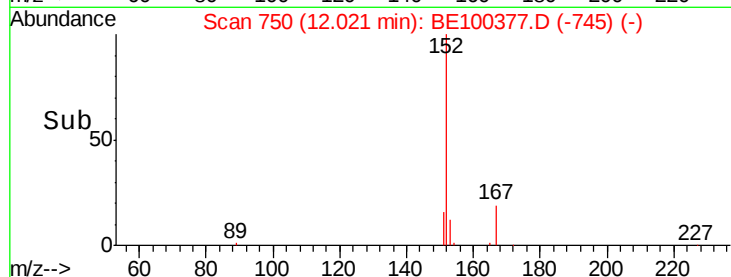
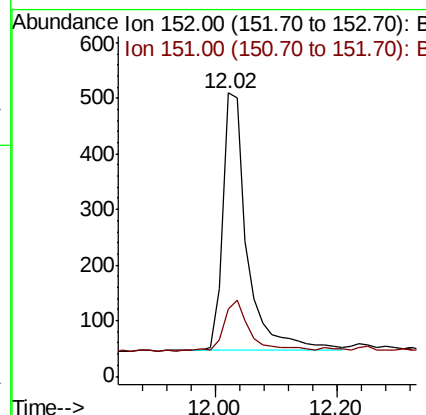
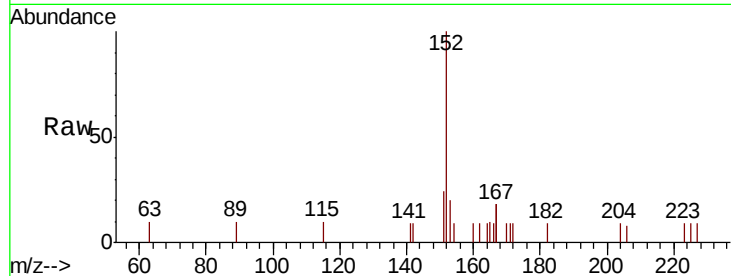
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.1	22.7

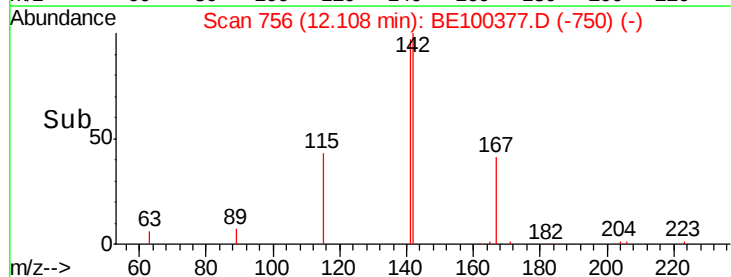
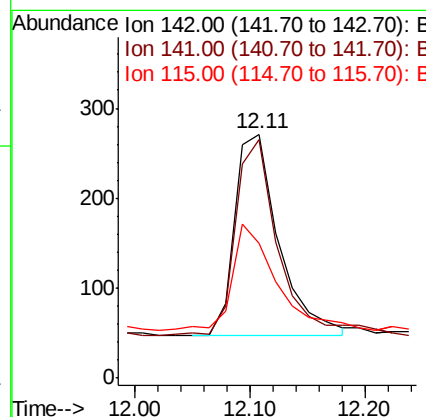
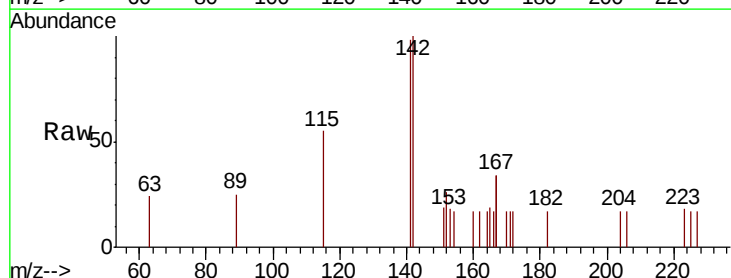
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#12
2-Methylnaphthalene
Concen: 0.165 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.8	72.4	108.6
115	55.4	40.4	60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Instrument :

BNA_E

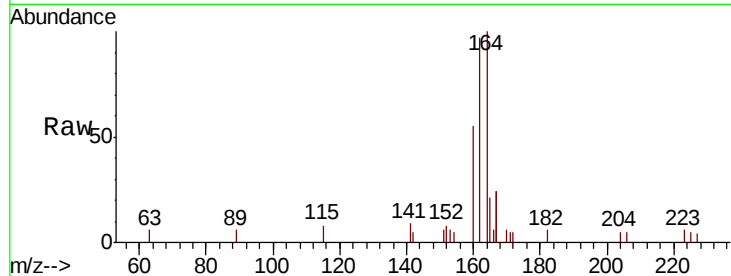
ClientSampleId :

PST-015-B228-062519

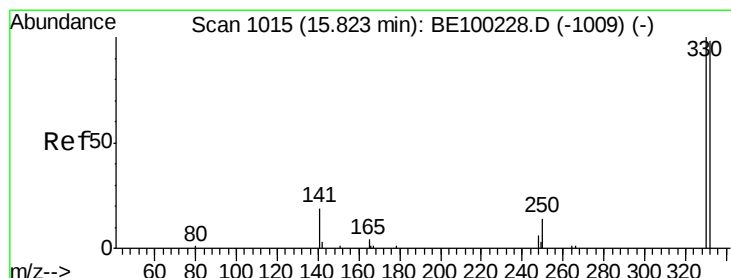
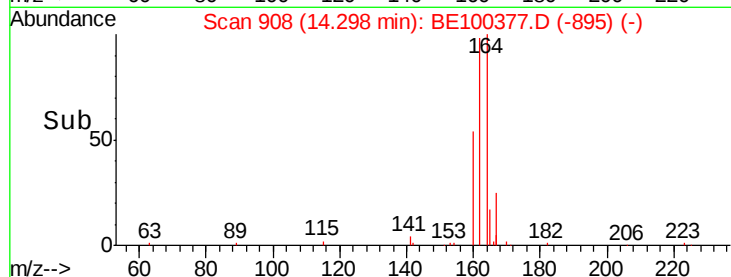
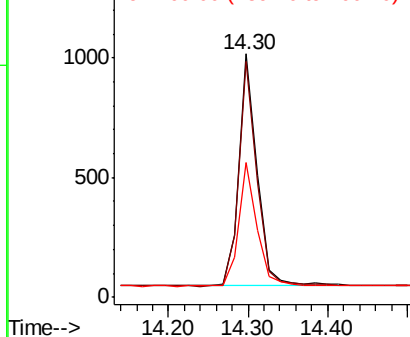
Tot Ion:	164	Resp:	1556
Ion	Ratio	Lower	Upper
164	100		
162	97.1	83.4	125.0
160	55.5	45.0	67.6

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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: 0.483 ng

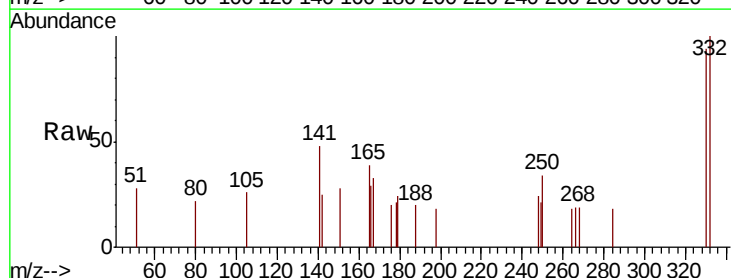
RT: 15.80 min Scan# 1013

Delta R.T. -0.03 min

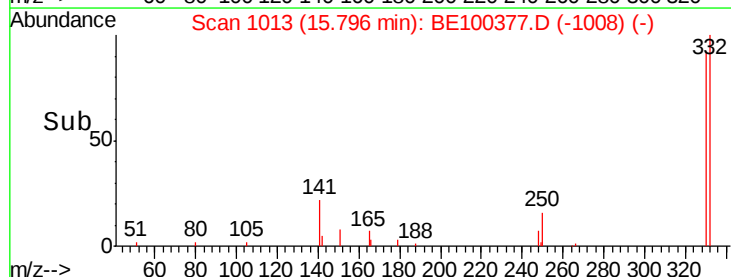
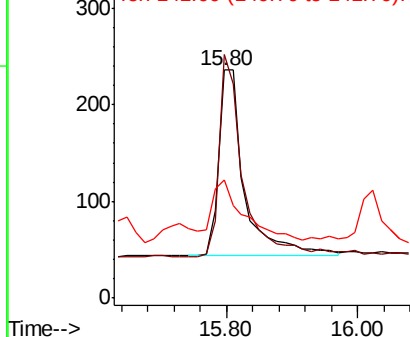
Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Tgt Ion:	330	Resp:	526
Ion	Ratio	Lower	Upper
330	100		
332	104.4	77.0	115.4
141	38.2	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





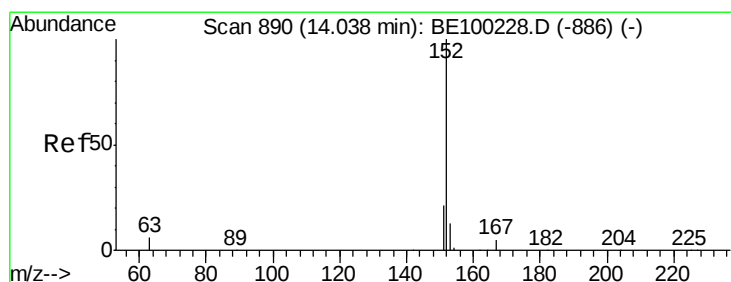
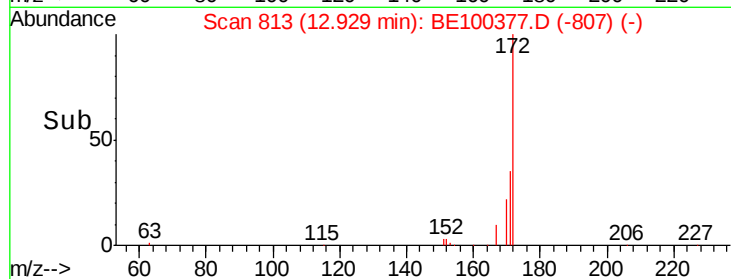
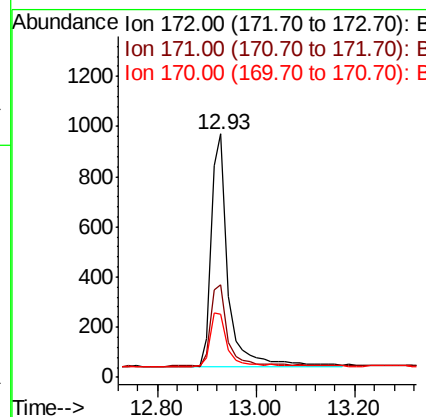
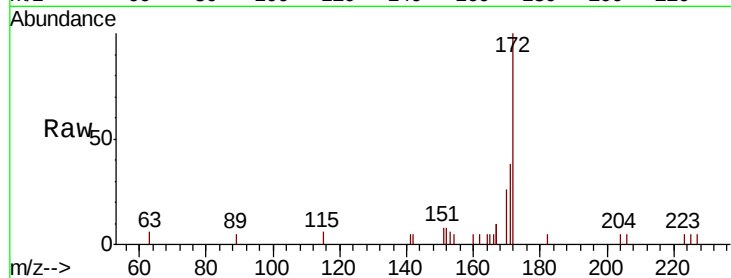
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.9	47.9
170	26.0	22.2	33.2

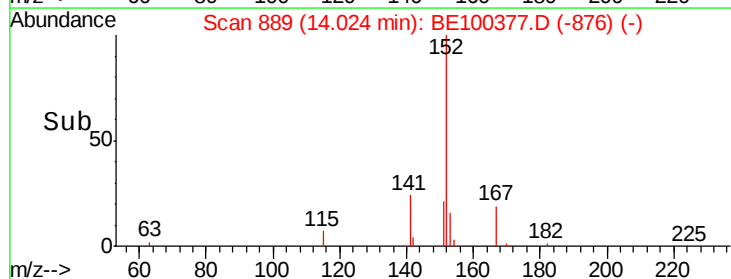
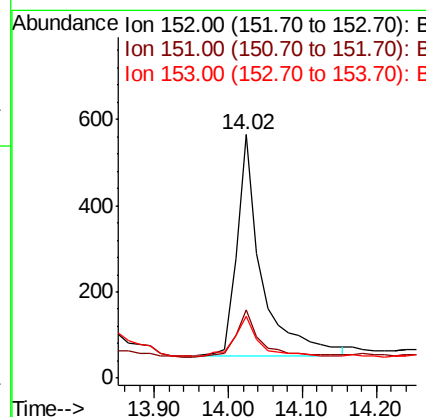
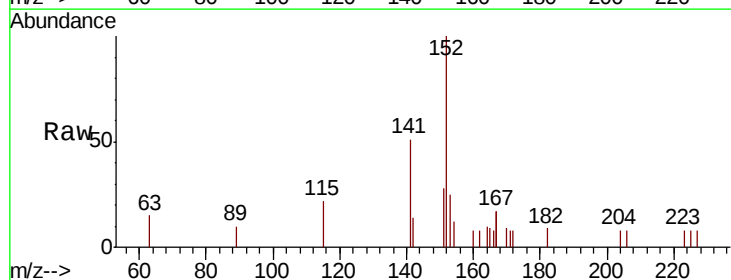
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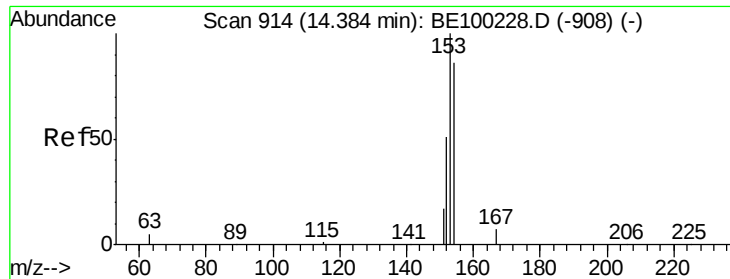
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#16
Acenaphthylene
Concen: 0.162 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0
153	17.3	10.5	15.7#





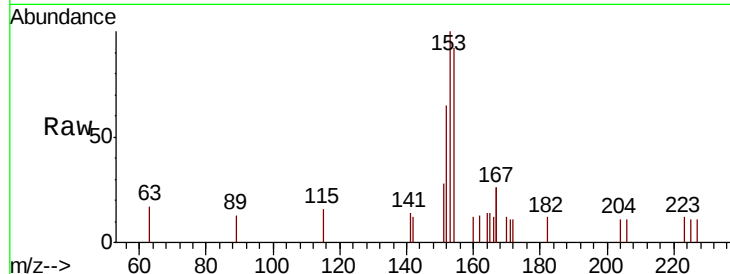
#17
Acenaphthene
Concen: 0.147 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	130.1	93.4	140.2
152	80.4	49.4	74.2

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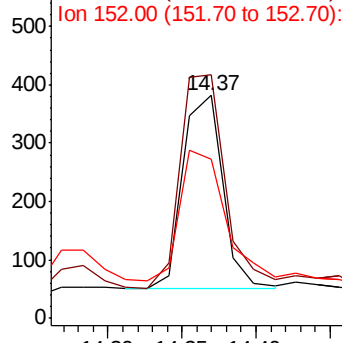


Abundance

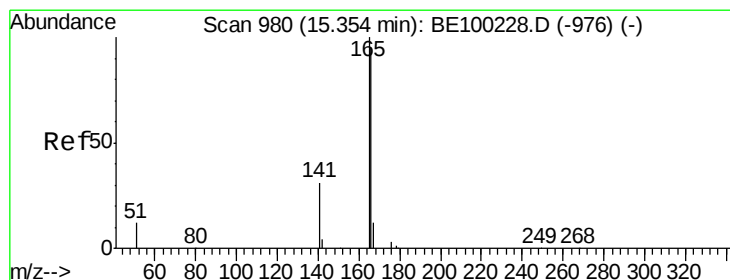
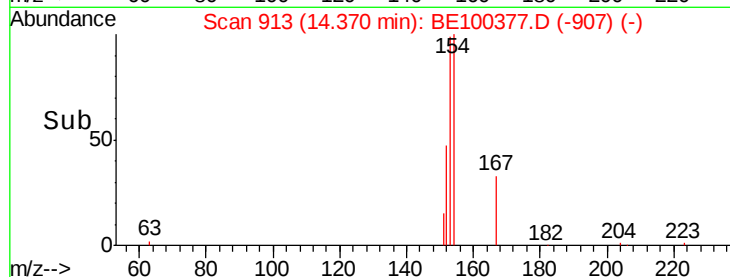
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18
Fluorene
Concen: 0.233 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

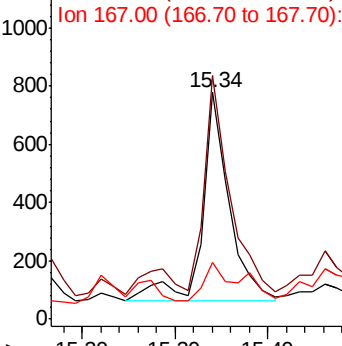
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	81.1	121.7
167	25.1	10.7	16.1

Abundance

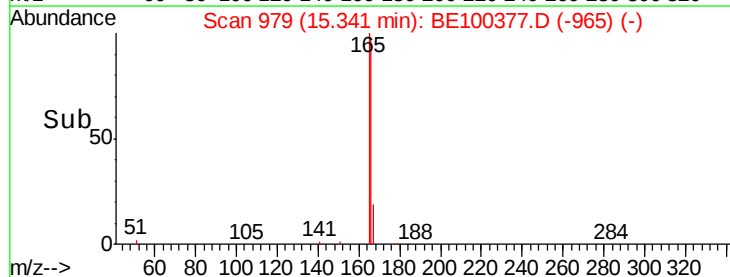
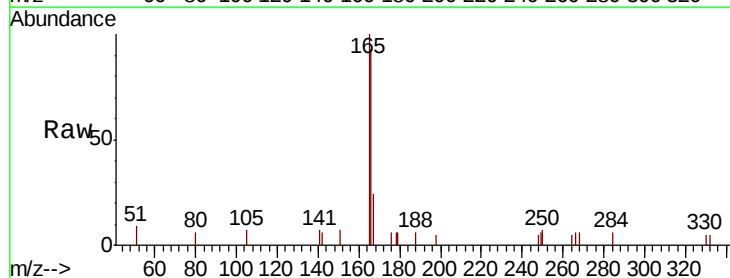
Ion 166.00 (165.70 to 166.70): E

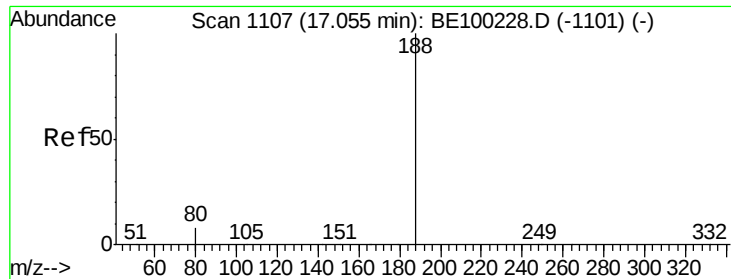
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





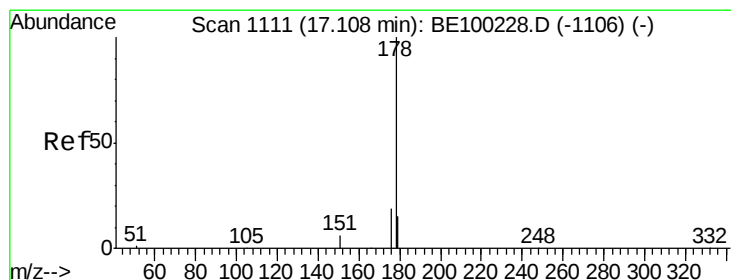
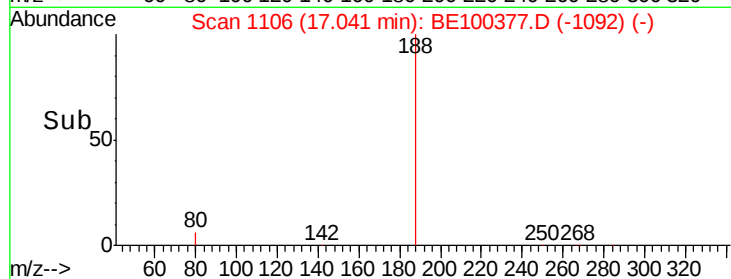
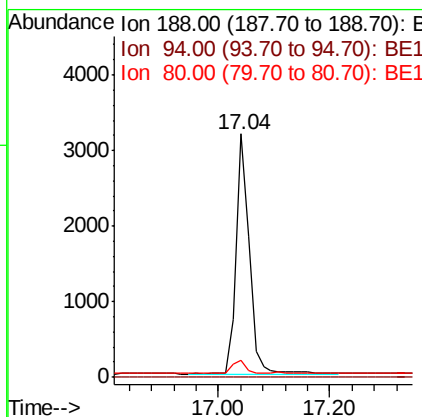
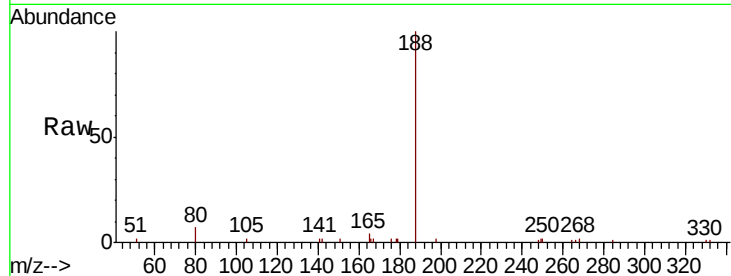
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5120		
94	0.0	0.0	0.0	
80	7.2	7.6	11.4	

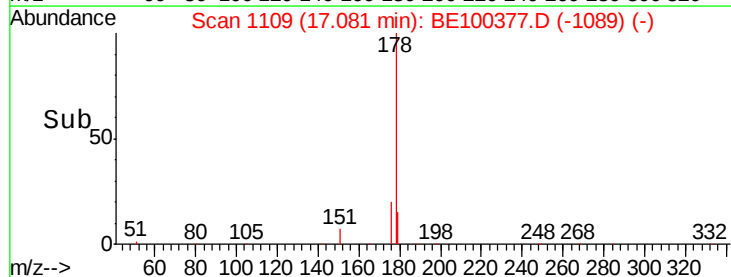
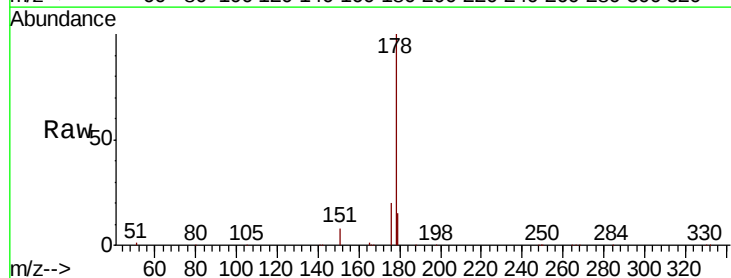
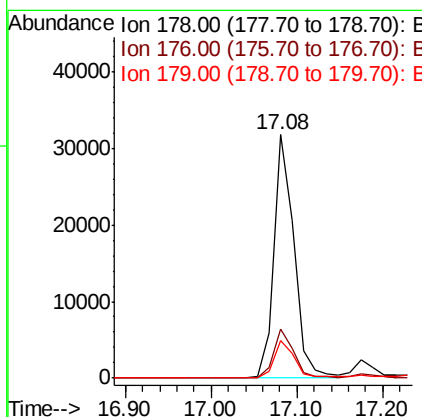
Manual Integrations
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#23
Phenanthrene
Concen: 4.118 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	51107		
176	19.7	15.9	23.9	
179	15.7	12.2	18.2	





#24

Anthracene

Concen: 0.332 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Instrument :

BNA_E

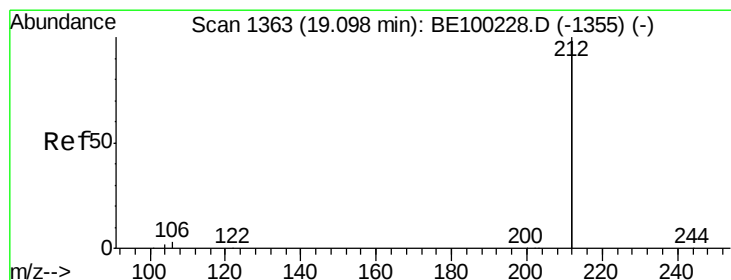
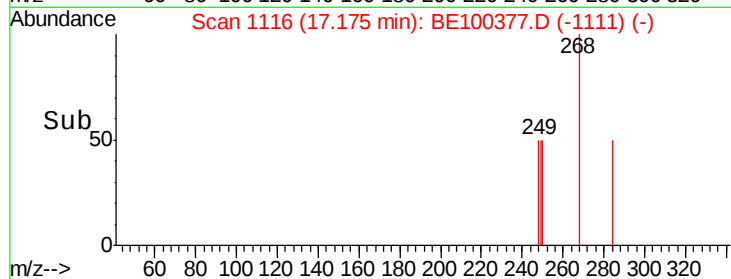
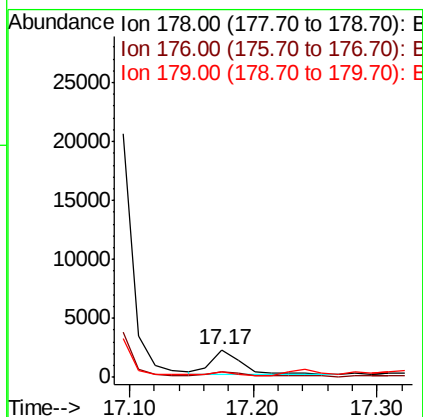
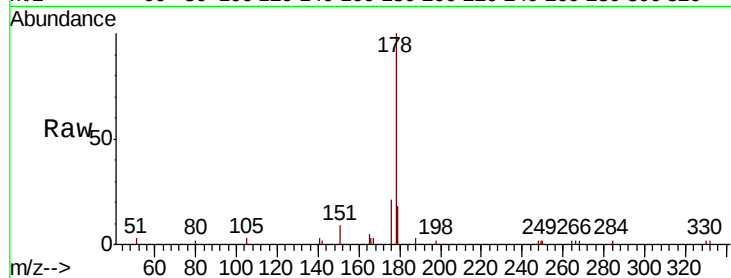
ClientSampleId :

PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	10.8	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.336 ng

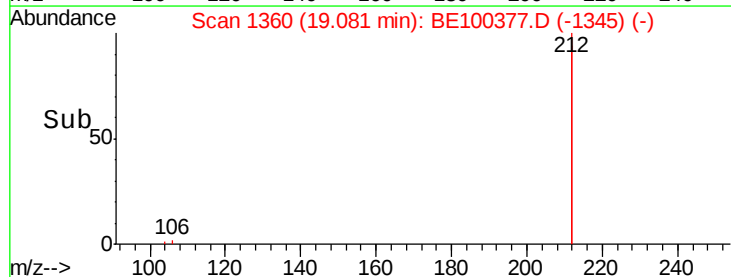
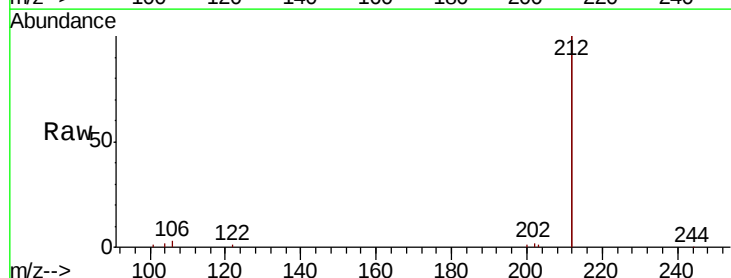
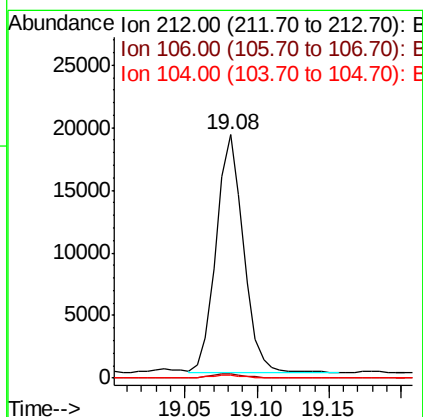
RT: 19.08 min Scan# 1360

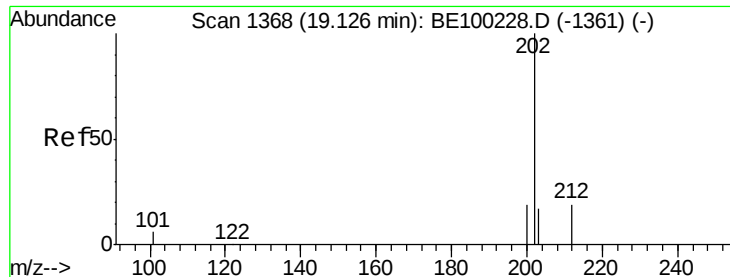
Delta R.T. -0.02 min

Lab File: BE100377.D

Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2





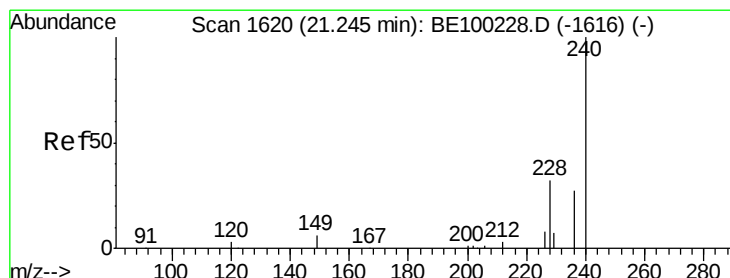
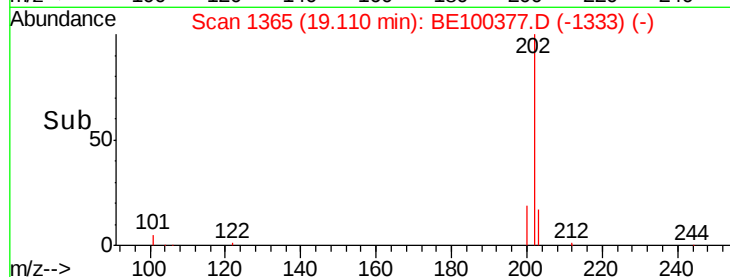
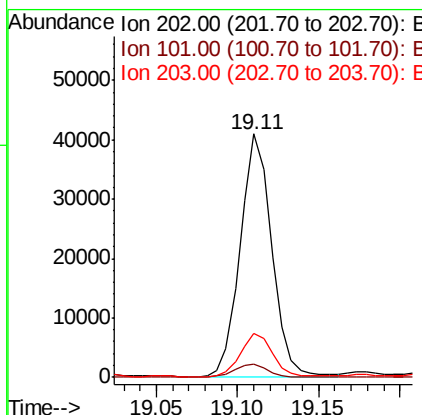
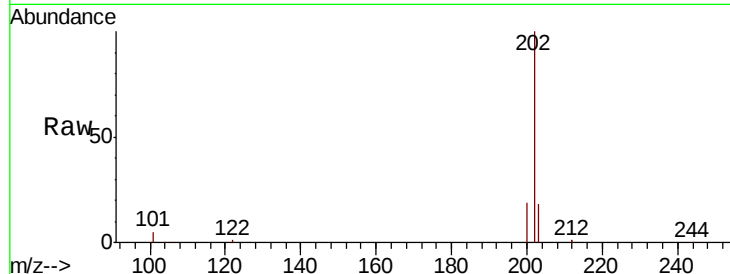
#26
 Fluoranthene
 Concen: 2.797 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100377.D
 Acq: 5 Jul 2019 12:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	17.9	13.7	20.5

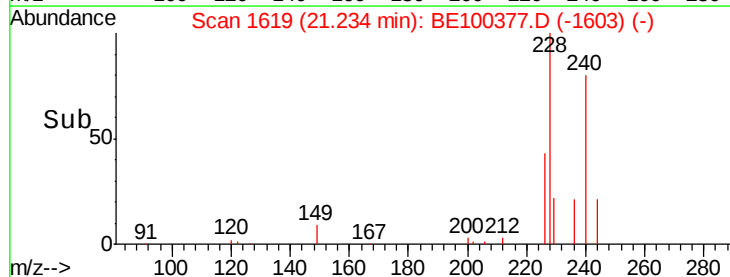
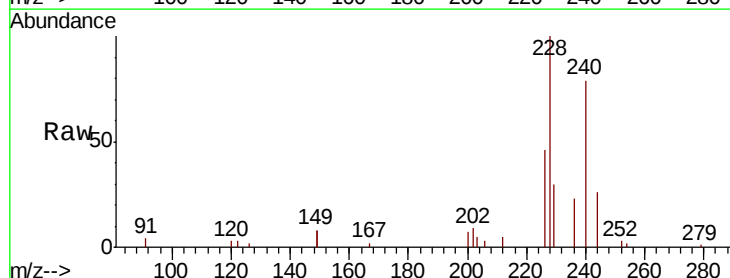
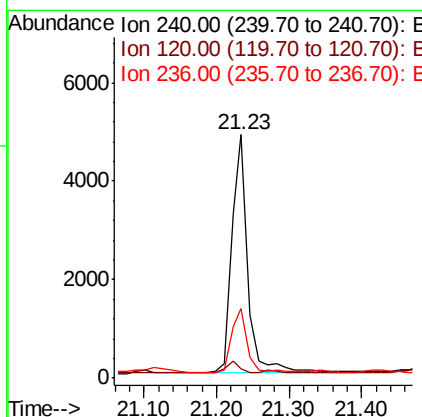
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100377.D
 Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	3.3	4.9
236	28.7	22.6	34.0





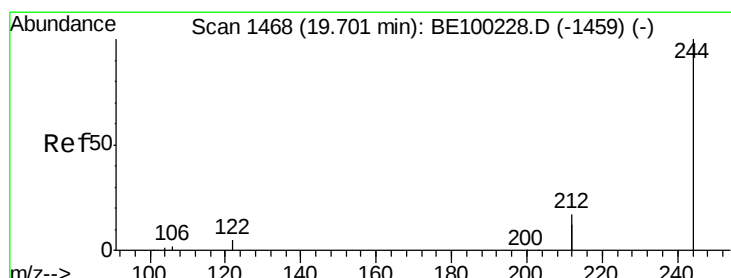
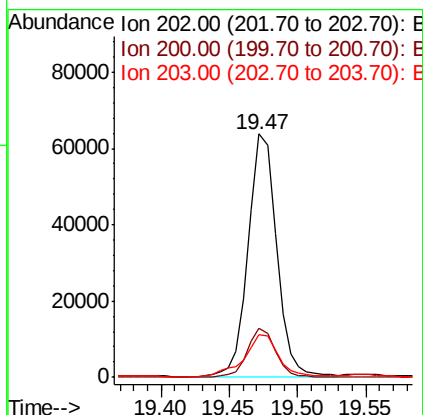
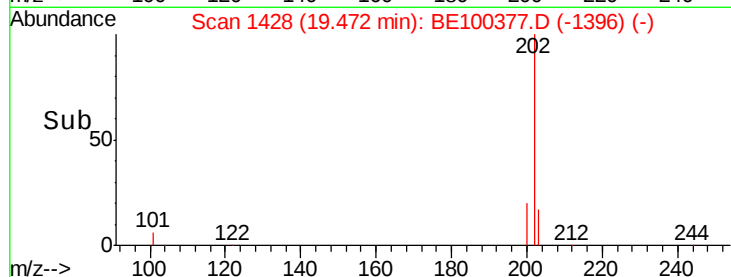
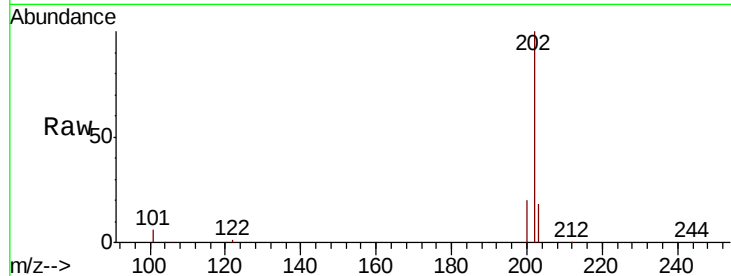
#28
Pvrene
Concen: 4.585 ng
RT: 19.47 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

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

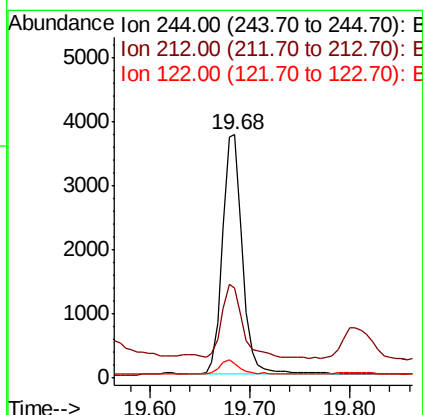
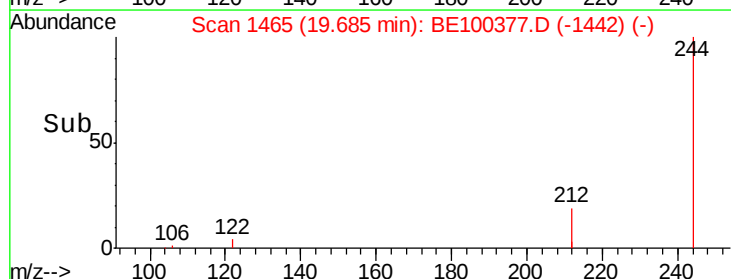
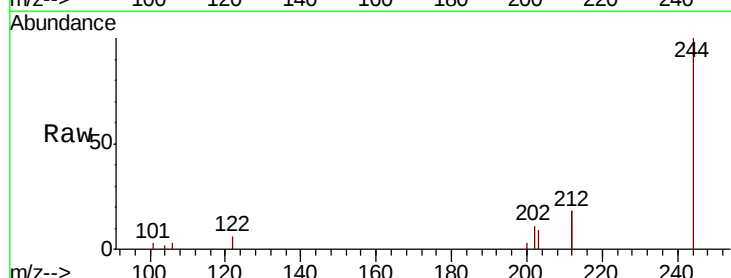
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#29
Terphenyl-d14
Concen: 0.330 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	36.9	27.3	40.9	
122	5.9	4.7	7.1	





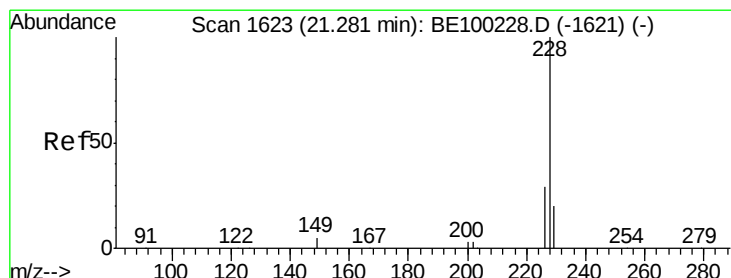
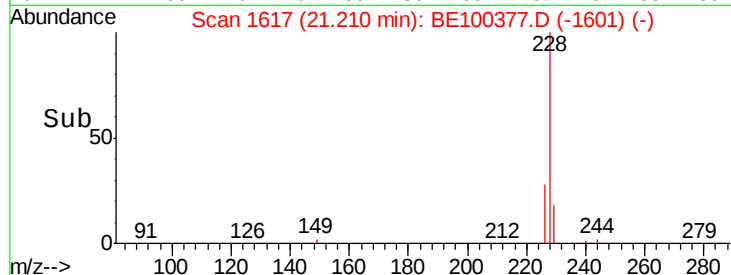
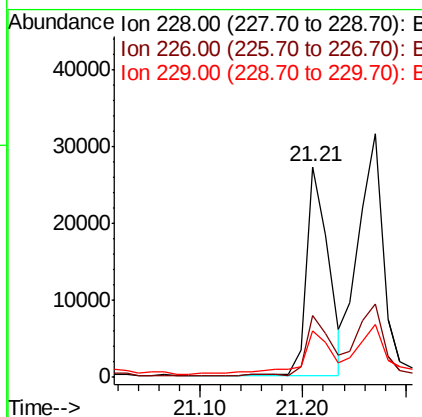
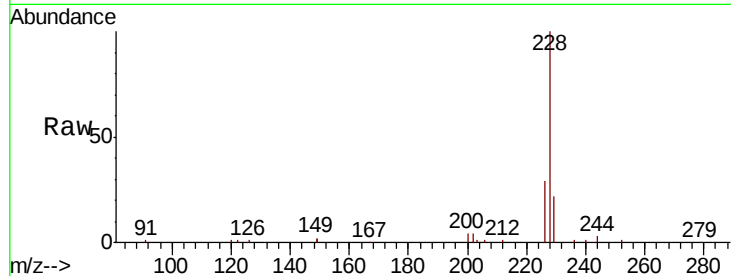
#30
Benzo(a)anthracene
Concen: 1.632 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.2	34.8
229	22.0	15.7	23.5

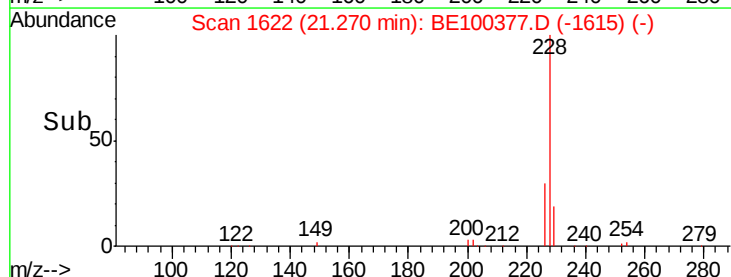
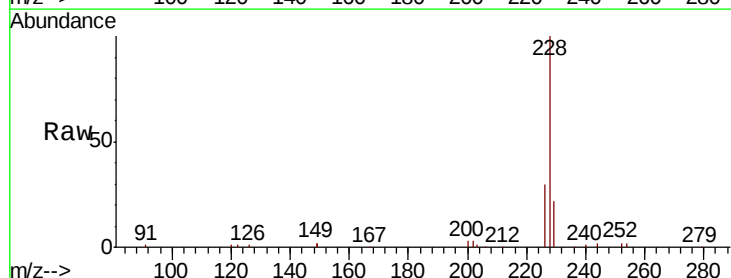
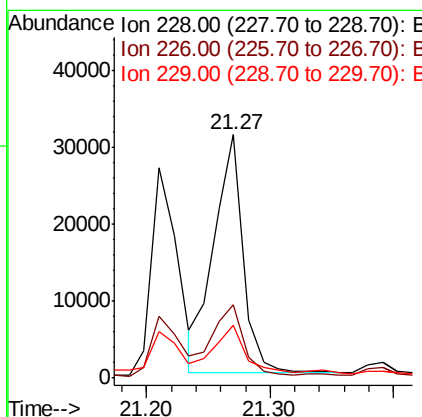
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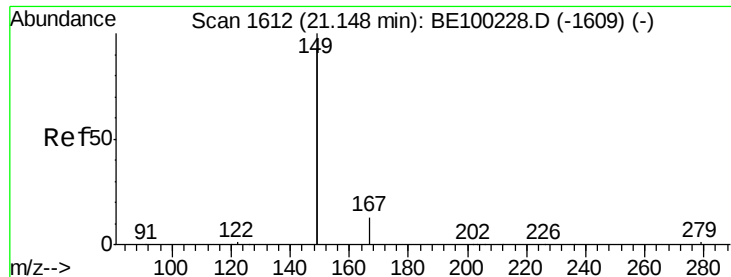
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#31
Chrysene
Concen: 2.070 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.8	16.5	24.7





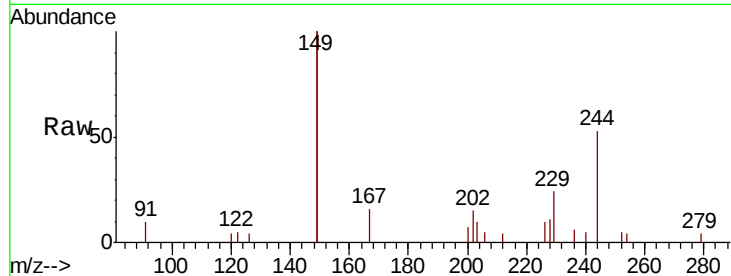
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.090 ng
 RT: 21.14 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BE100377.D
 Acq: 5 Jul 2019 12:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-B228-062519

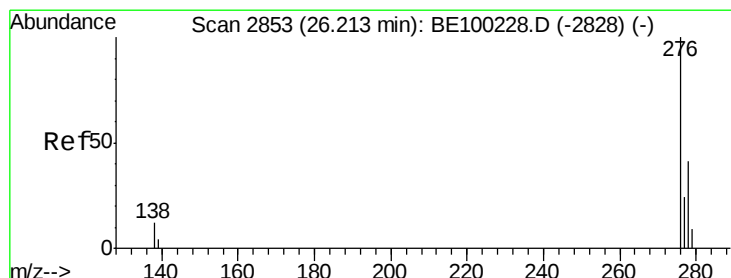
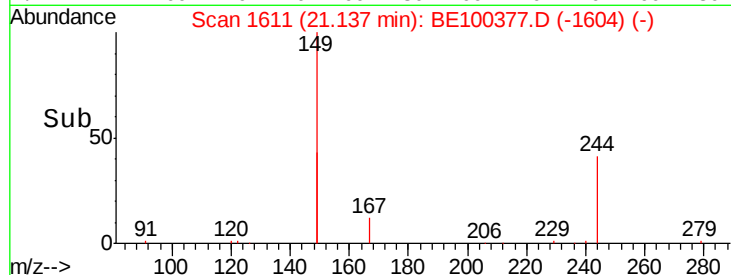
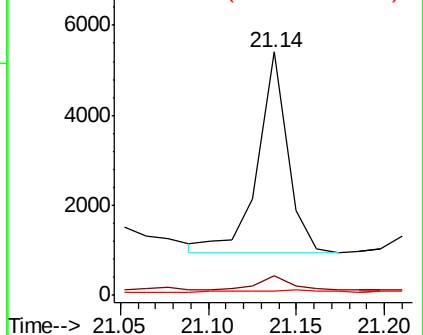
Tot Ion:	149	Resp:	5184
Ion Ratio	Lower	Upper	
149	100		
167	7.8	5.8	8.8
279	1.6	1.1	1.7

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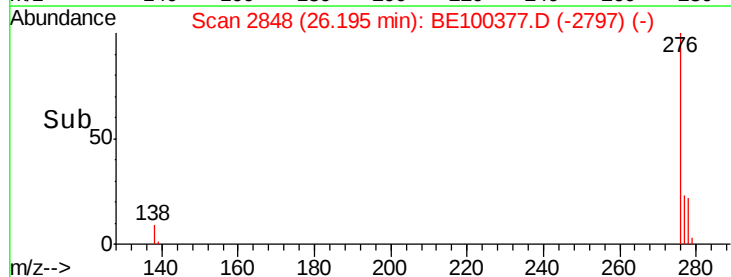
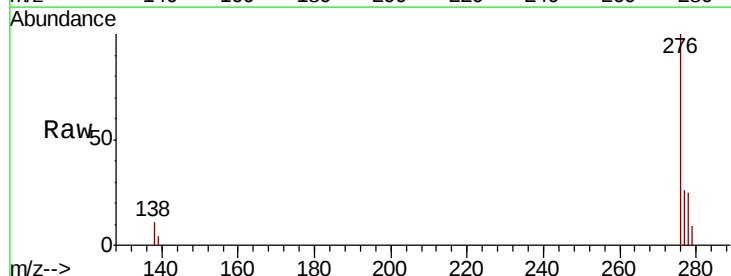
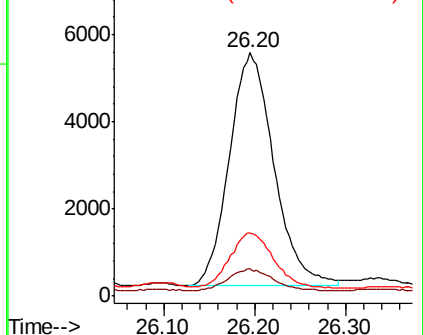
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.551 ng
 RT: 26.20 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BE100377.D
 Acq: 5 Jul 2019 12:33

Tgt Ion:	276	Resp:	18123
Ion Ratio	Lower	Upper	
276	100		
138	9.6	9.4	14.0
277	23.7	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





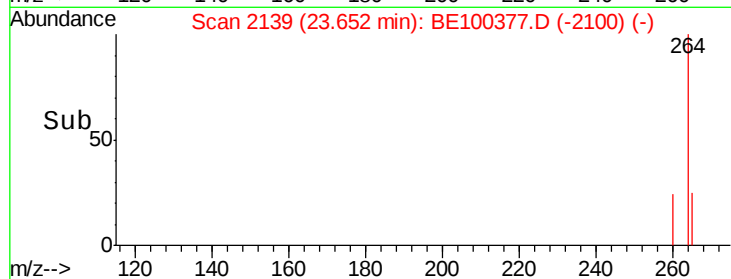
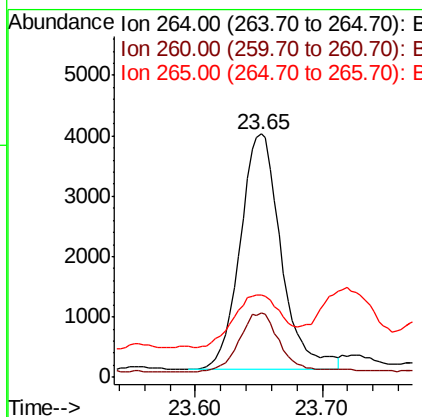
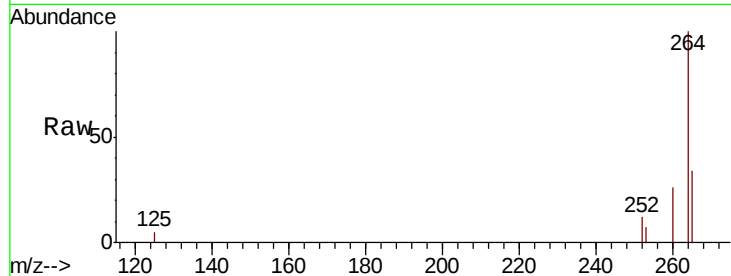
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	33.6	21.8	32.6

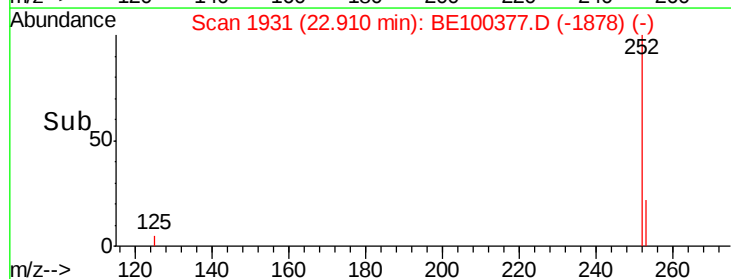
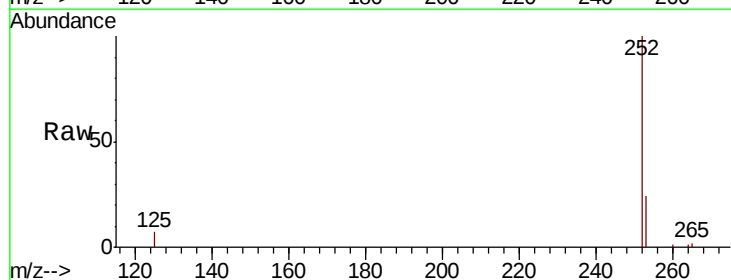
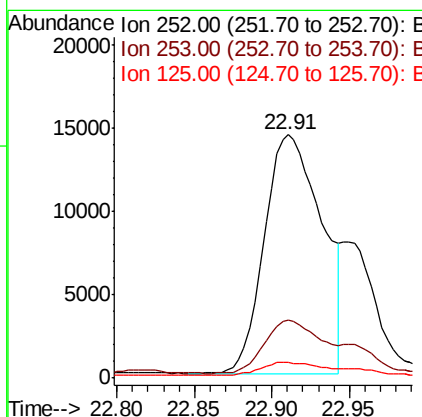
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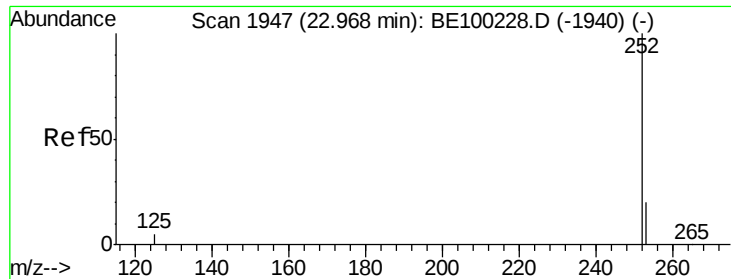
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#35
Benzo(b)fluoranthene
Concen: 1.543 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	6.6	7.4	11.0





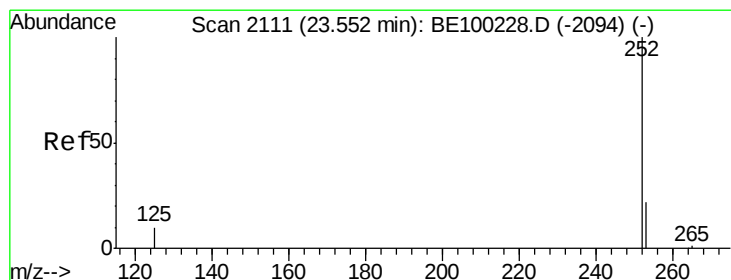
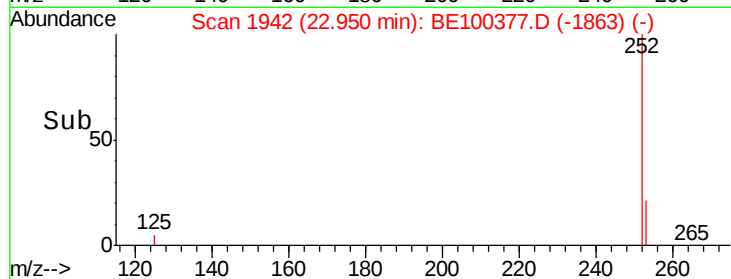
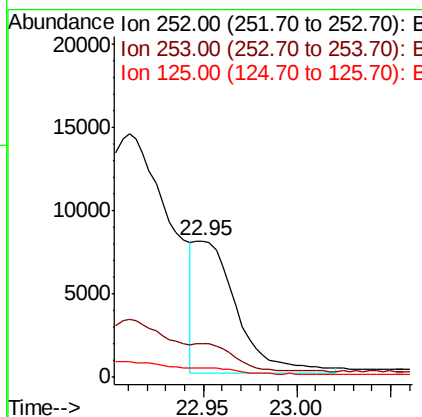
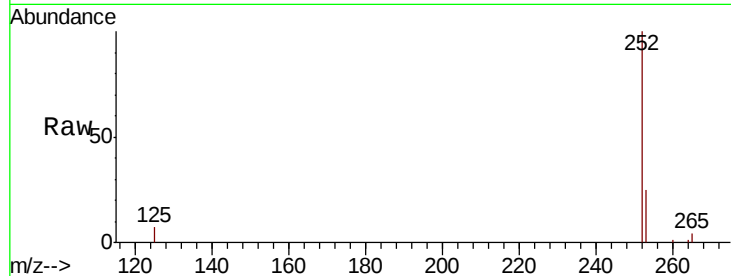
#36
Benzo(k)fluoranthene
Concen: 0.468 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	7.2	5.0	7.4

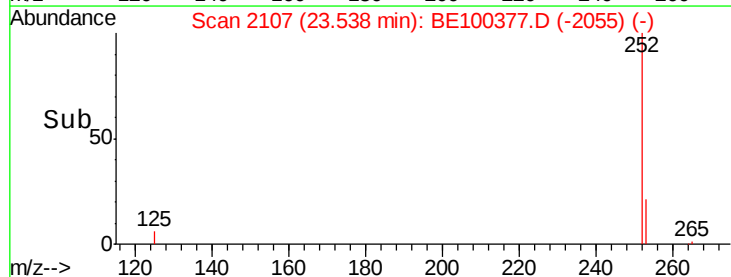
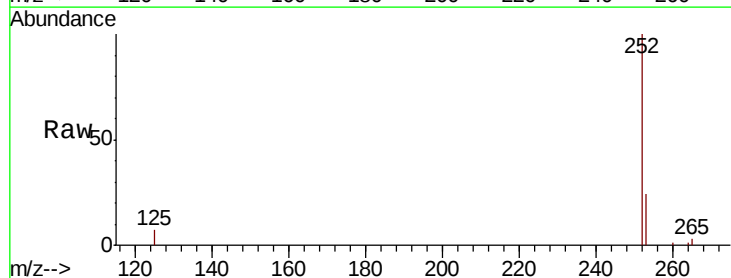
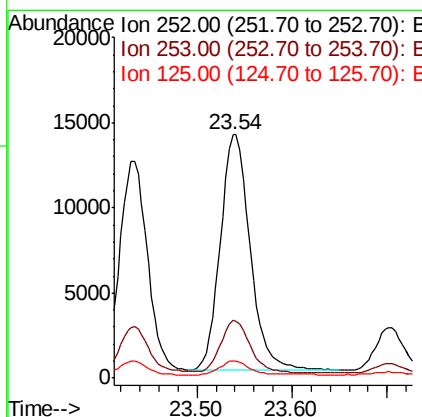
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#37
Benzo(a)pyrene
Concen: 1.259 ng
RT: 23.54 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.6	29.4
125	7.1	9.0	13.6





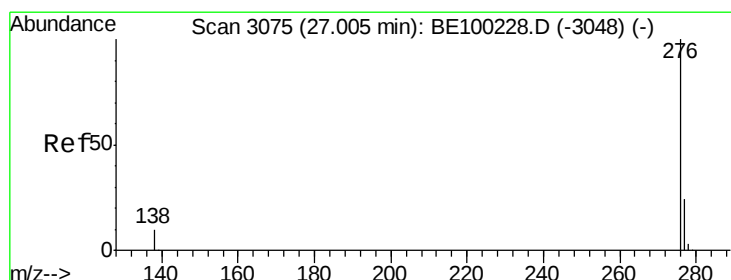
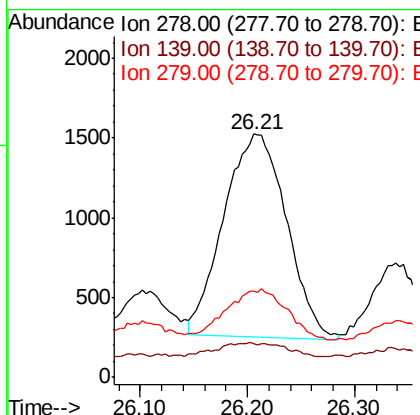
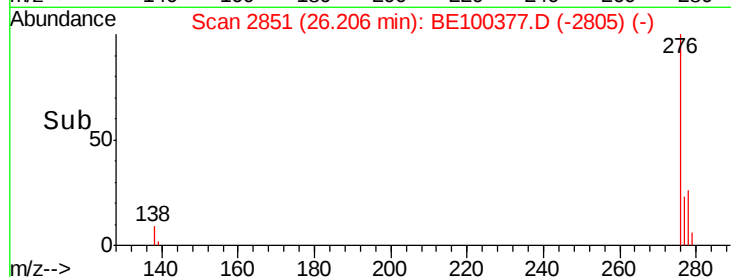
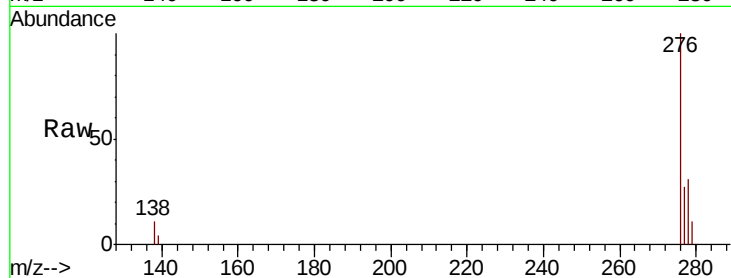
#38
Dibenzo(a,h)anthracene
Concen: 0.206 ng
RT: 26.21 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Instrument :
BNA_E
ClientSampleId :
PST-015-B228-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	8.2	12.2#
279	35.2	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.919 ng
RT: 26.98 min Scan# 3068
Delta R.T. -0.03 min
Lab File: BE100377.D
Acq: 5 Jul 2019 12:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.2	30.2
138	11.0	9.0	13.6

