

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100271.D
 Acq On : 1 Jul 2019 18:31
 Operator : JU/SJ
 Sample : K3428-13DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:10 AM

Quant Time: Jul 02 03:38:24 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	876	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3300	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2645	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7288	0.40	ng	0.00
27) Chrysene-d12	21.24	240	9952	0.40	ng	0.00
34) Perylene-d12	23.67	264	10890	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	165	0.07	ng	0.01
5) Phenol-d6	6.84	99	188	0.06	ng	0.00
8) Nitrobenzene-d5	8.82	82	196	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	437	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	129	0.07	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	558	0.05	ng	0.00
25) Fluoranthene-d10	19.10	212	7004	0.07	ng	0.00
29) Terphenyl-d14	19.70	244	2120	0.10	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	4141	0.114	ng	# 97
12) 2-Methylnaphthalene	12.12	142	998	0.156	ng	99
16) Acenaphthylene	14.04	152	5422	0.427	ng	97
17) Acenaphthene	14.38	154	848	0.118	ng	95
18) Fluorene	15.35	166	2534	0.238	ng	# 84
23) Phenanthrene	17.09	178	59075	3.344	ng	99
24) Anthracene	17.19	178	3794	0.239	ng	# 95
26) Fluoranthene	19.13	202	74768	2.657	ng	99
28) Pyrene	19.49	202	115356	4.378	ng	96
30) Benzo(a)anthracene	21.23	228	49685m	1.518	ng	
31) Chrysene	21.28	228	69822	2.125	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	4262	0.035	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.23	276	26754	0.616	ng	97
35) Benzo(b)fluoranthene	22.93	252	50908	1.724	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	15706m	0.477	ng	
37) Benzo(a)pyrene	23.56	252	41059	1.388	ng	# 94
38) Dibenzo(a,h)anthracene	26.24	278	8082	0.262	ng	# 81
39) Benzo(a,h,i)perylene	27.02	276	31151	0.981	ng	99

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

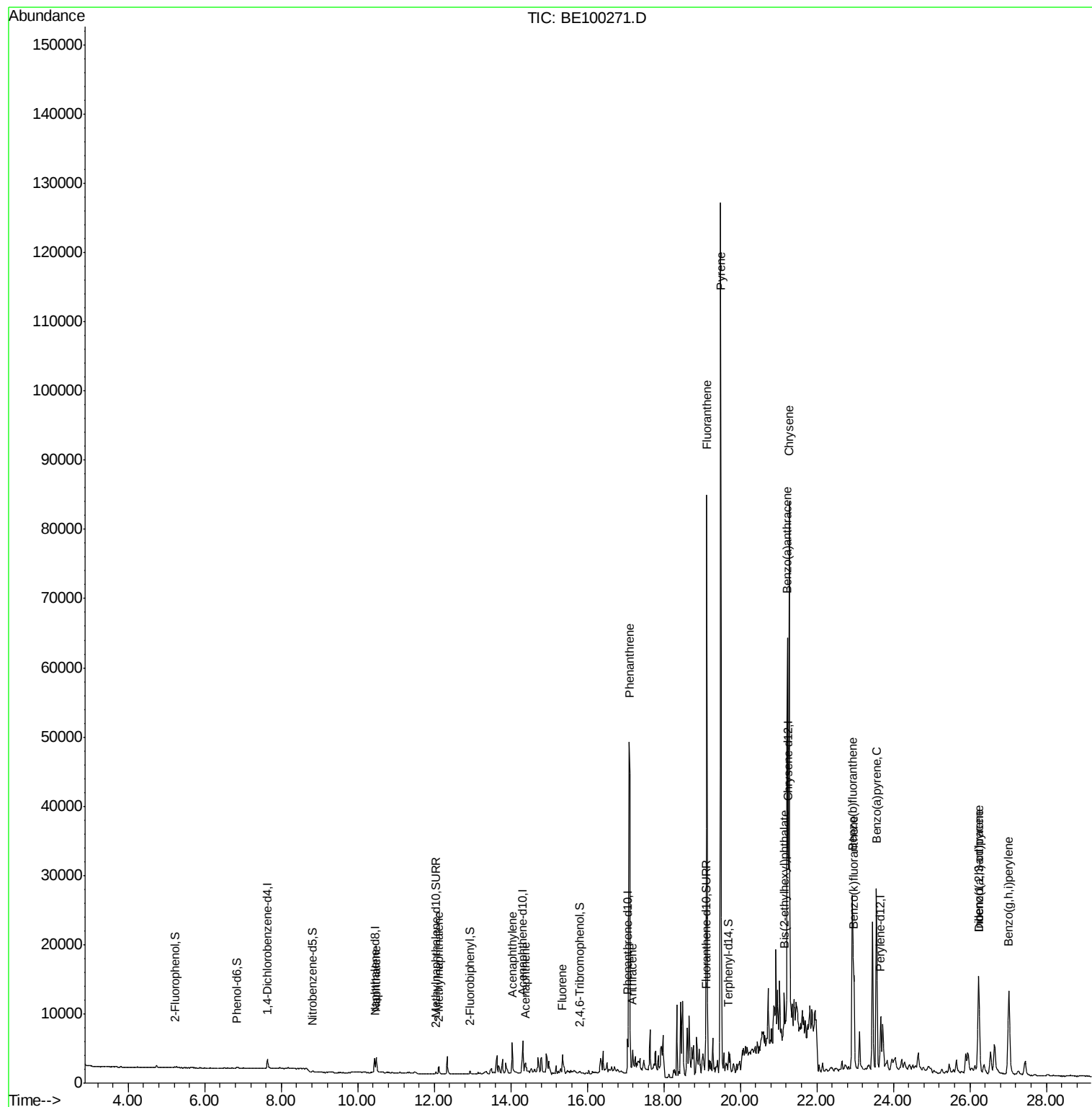
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100271.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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#1

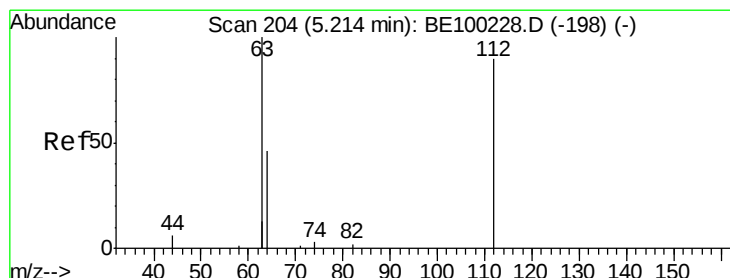
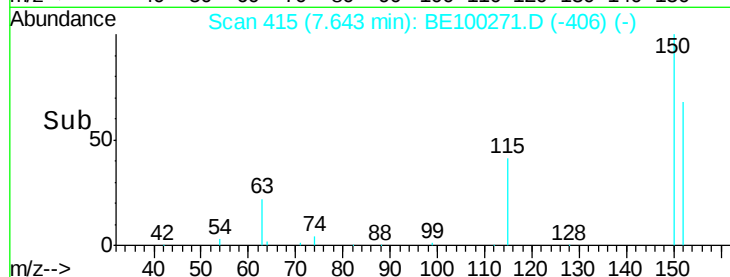
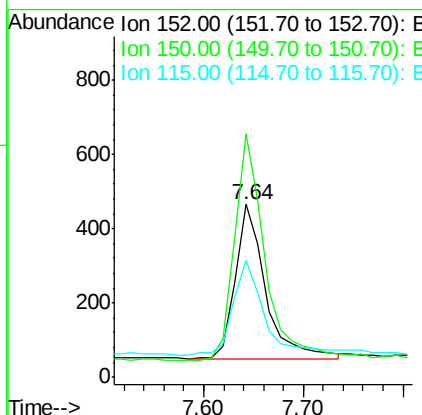
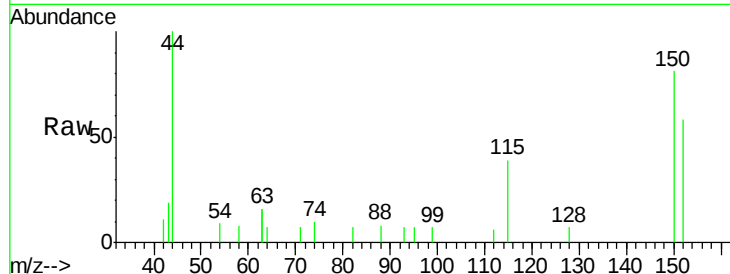
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.1	114.5	171.7
115	67.5	57.1	85.7

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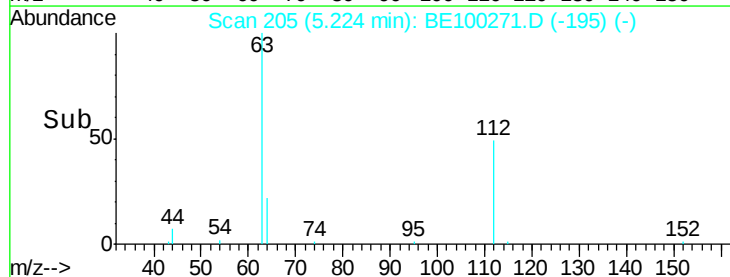
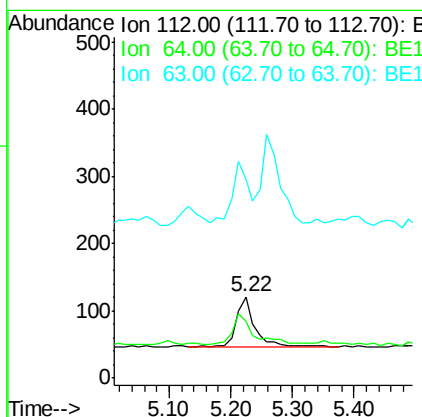
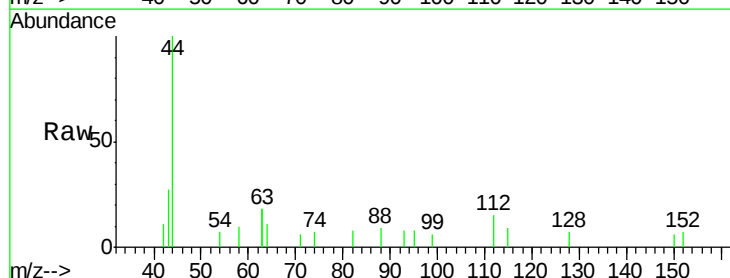
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#4

2-Fluorophenol
Concen: 0.074 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	39.4	59.0#
63	102.4	104.5	156.7#





#5

Phenol-d6

Concen: 0.064 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Instrument :

BNA_E

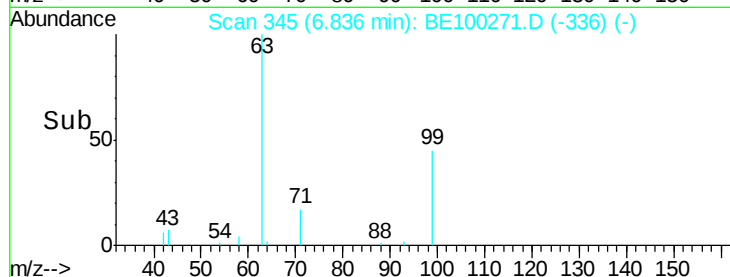
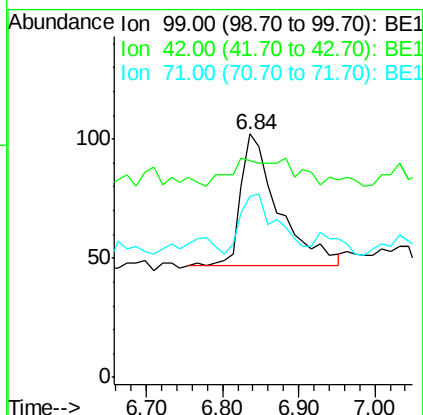
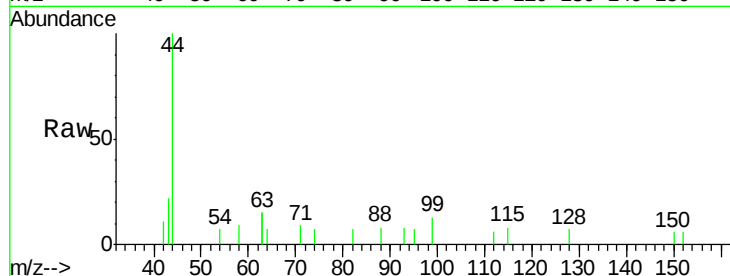
ClientSampleId :

EXT-084-SW155-061319DL

Tot Ion:	99	Resp:	188
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	42.6	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

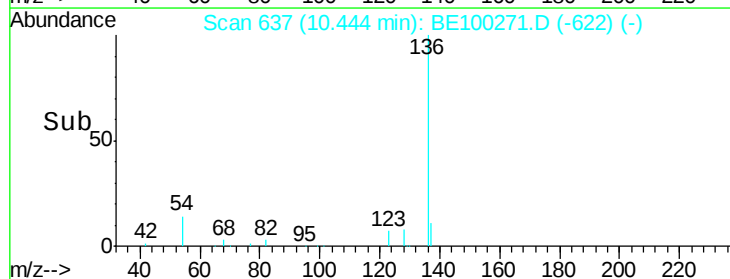
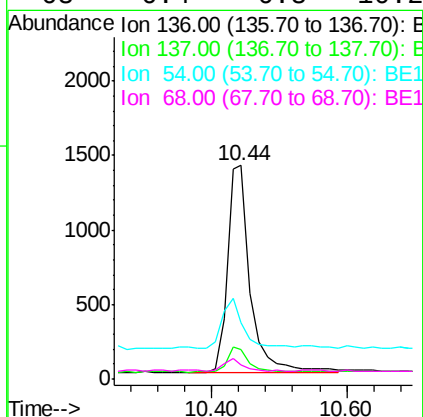
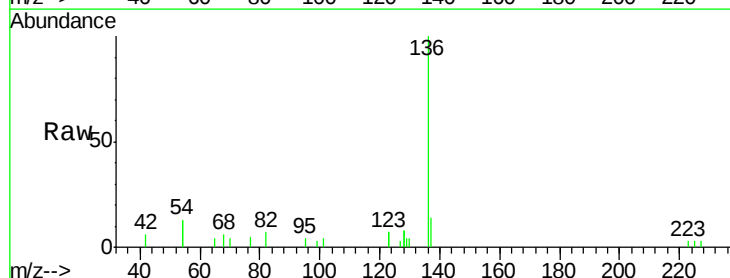
RT: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Tgt Ion:	136	Resp:	3300
Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	26.2	27.7	41.5#
68	6.4	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.060 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Instrument :

BNA_E

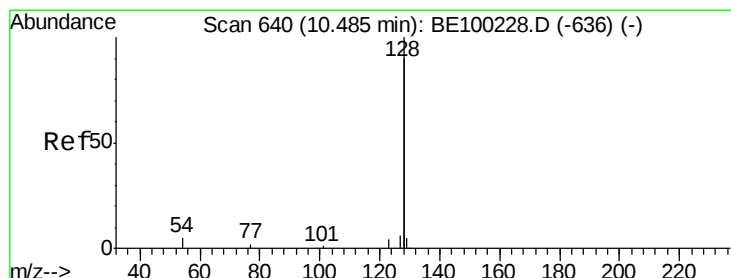
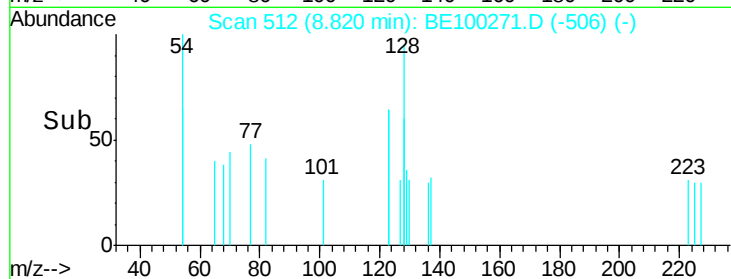
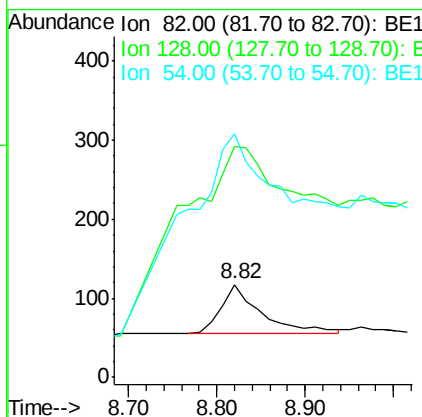
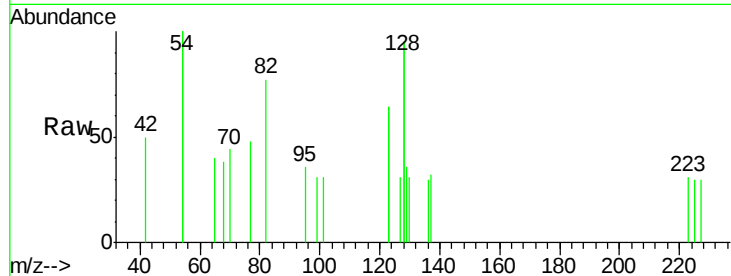
ClientSampleId :

EXT-084-SW155-061319DL

Tot Ion:	82	Resp:	196
Ion	Ratio	Lower	Upper
82	100		
128	247.5	140.9	211.3#
54	261.0	146.2	219.2#

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#9

Naphthalene

Concen: 0.114 ng

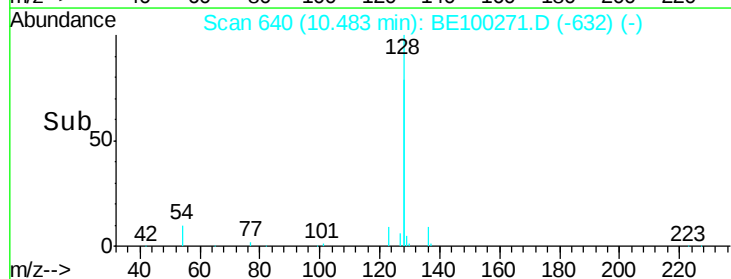
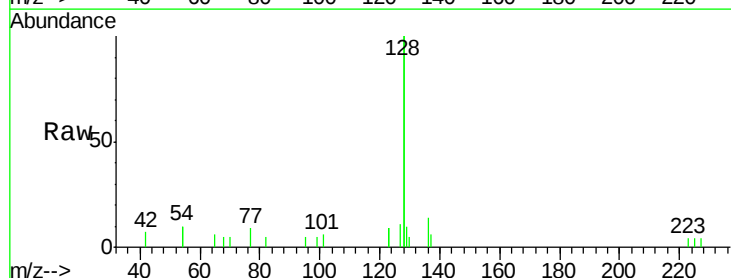
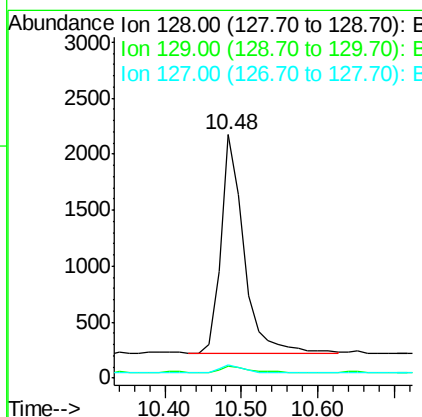
RT: 10.48 min Scan# 640

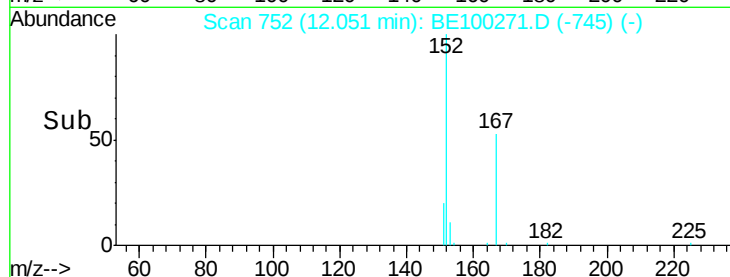
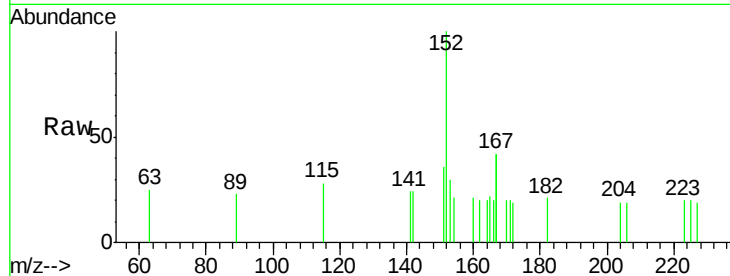
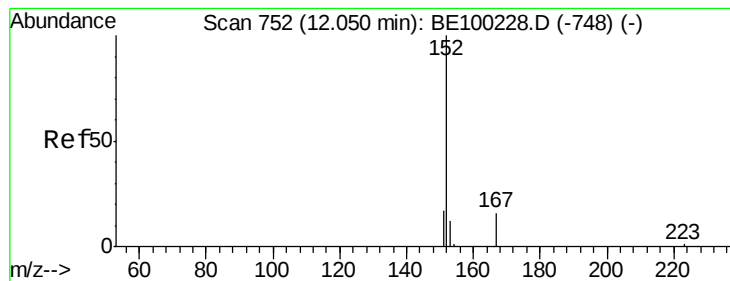
Delta R.T. -0.00 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Tgt Ion:	128	Resp:	4141
Ion	Ratio	Lower	Upper
128	100		
129	4.8	3.0	4.6#
127	5.4	3.5	5.3#





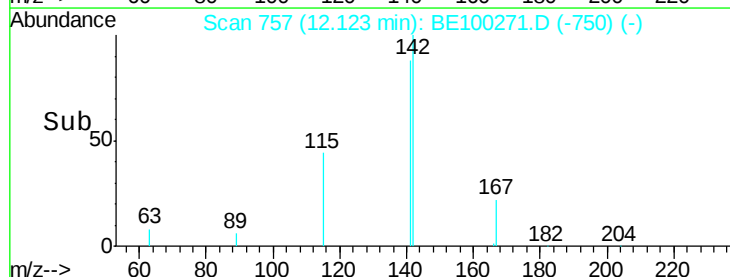
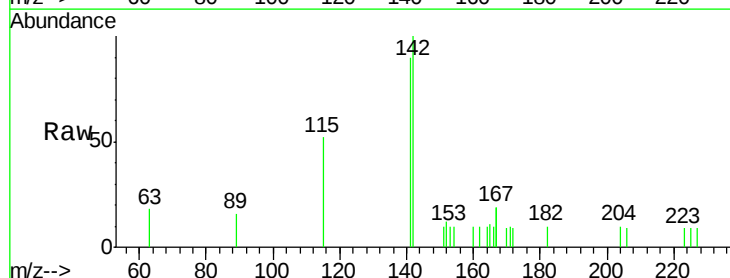
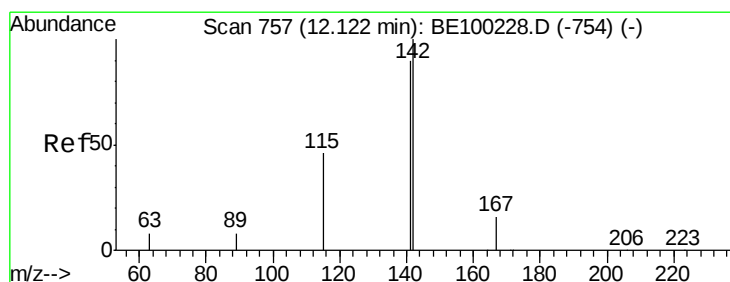
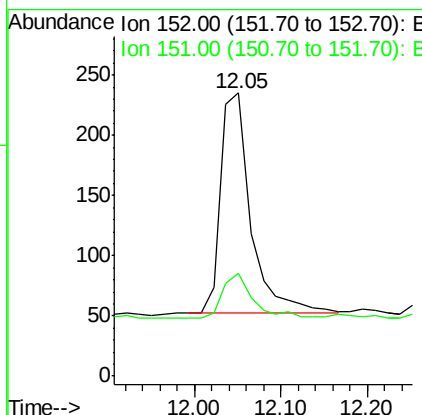
#11
2-Methylnaphthalene-d10
Concen: 0.070 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tot Ion:152 Resp: 437
Ion Ratio Lower Upper
152 100
151 22.2 15.1 22.7

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

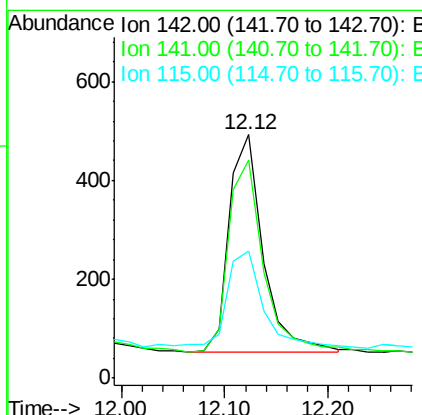
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#12
2-Methylnaphthalene
Concen: 0.156 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion:142 Resp: 998
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6
115 51.9 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: BE100271.D

Acq: 1 Jul 2019 18:31

Instrument :

BNA_E

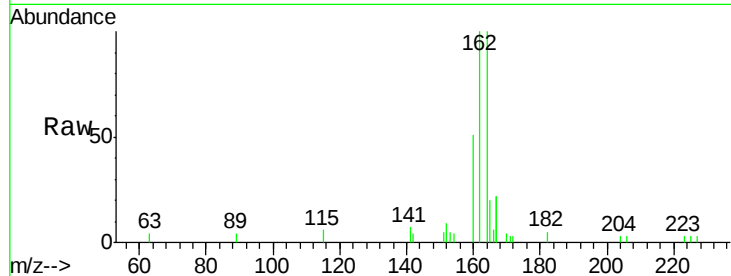
ClientSampleId :

EXT-084-SW155-061319DL

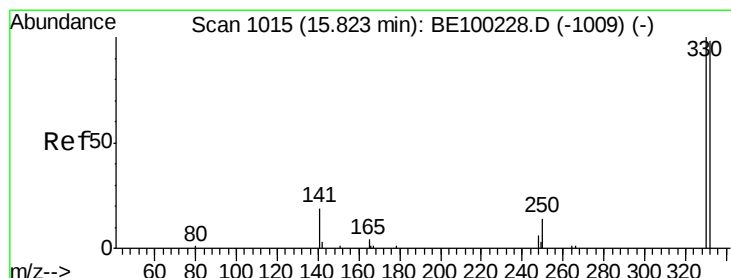
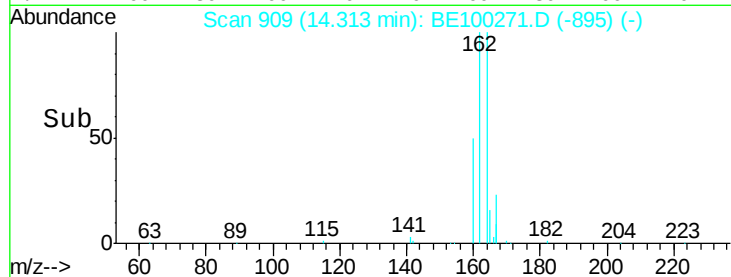
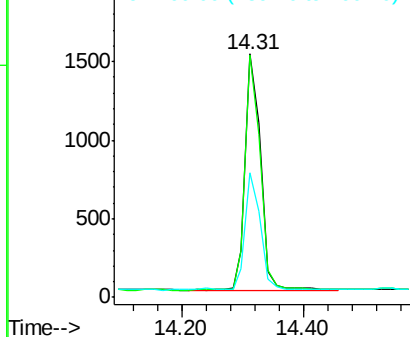
Tot Ion:	164	Resp:	2645
Ion Ratio	Lower	Upper	
164	100		
162	99.8	83.4	125.0
160	51.5	45.0	67.6

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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: 0.070 ng

RT: 15.81 min Scan# 1014

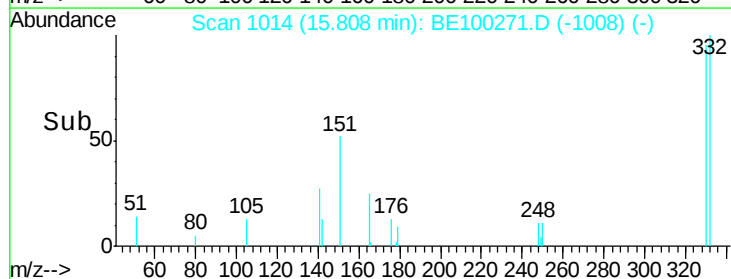
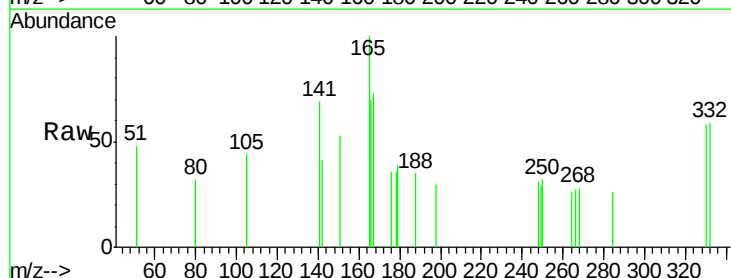
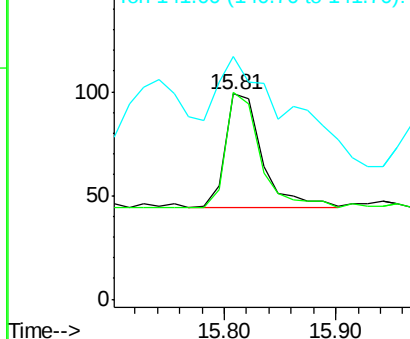
Delta R.T. -0.01 min

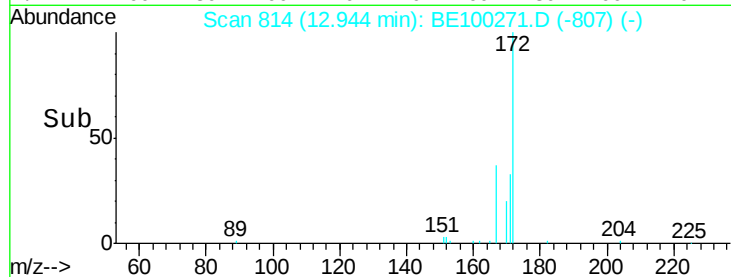
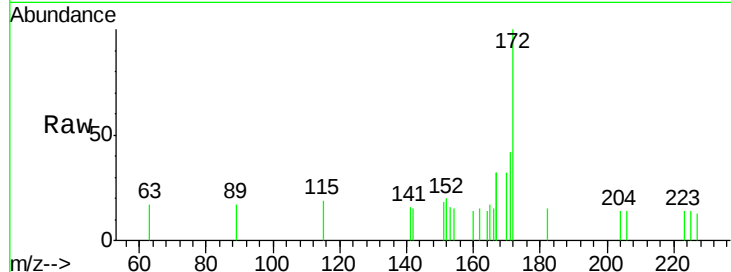
Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Tgt Ion:	330	Resp:	129
Ion Ratio	Lower	Upper	
330	100		
332	93.0	77.0	115.4
141	181.4	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





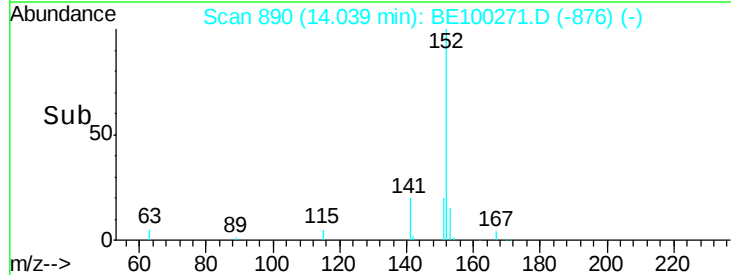
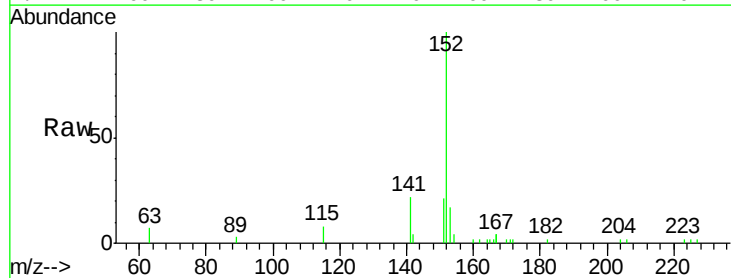
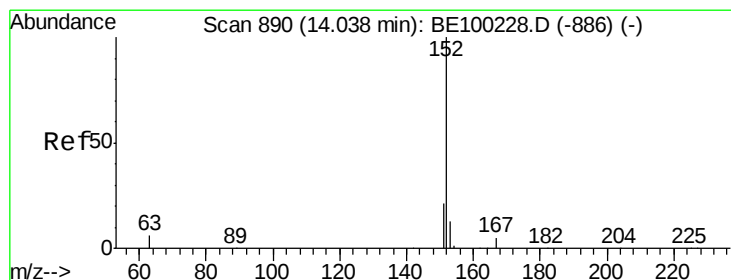
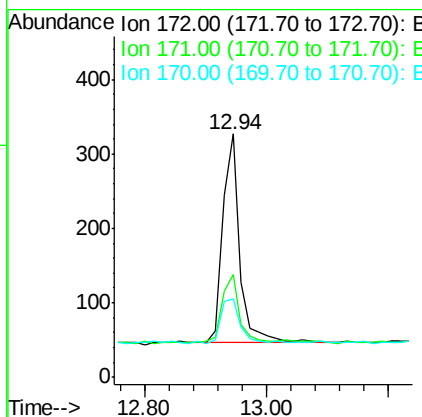
#15
2-Fluorobiphenyl
Concen: 0.054 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.2	31.9	47.9
170	32.1	22.2	33.2

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

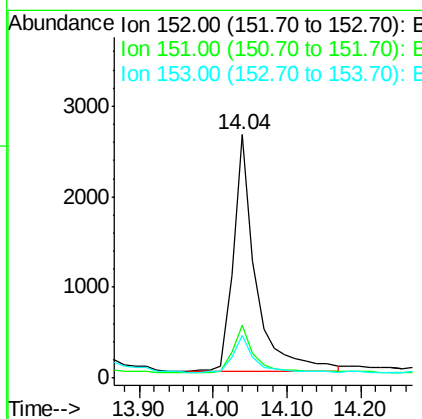
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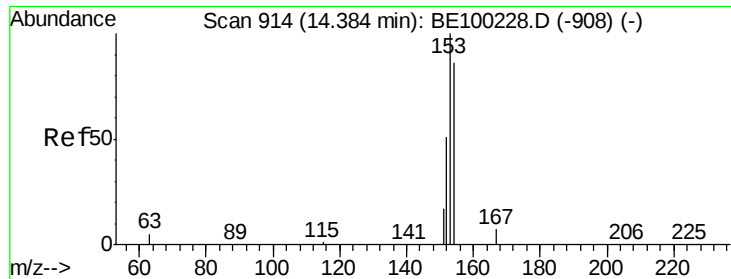
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#16
Acenaphthylene
Concen: 0.427 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	15.2	10.5	15.7





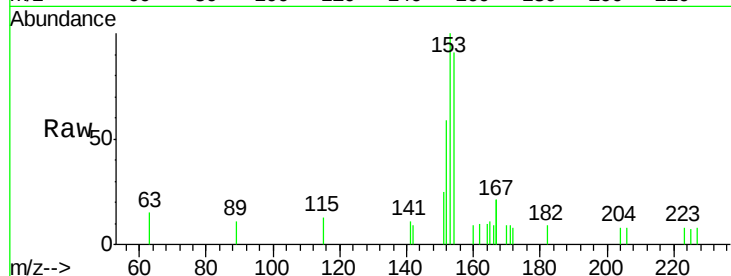
#17
Acenaphthene
Concen: 0.118 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

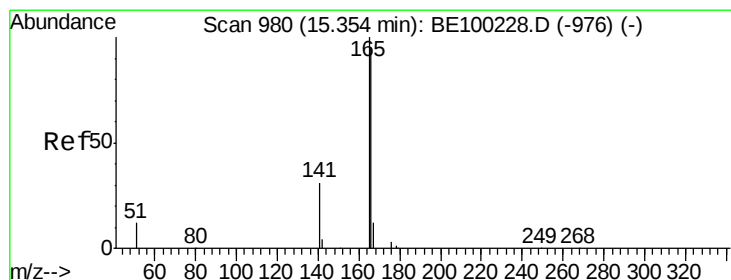
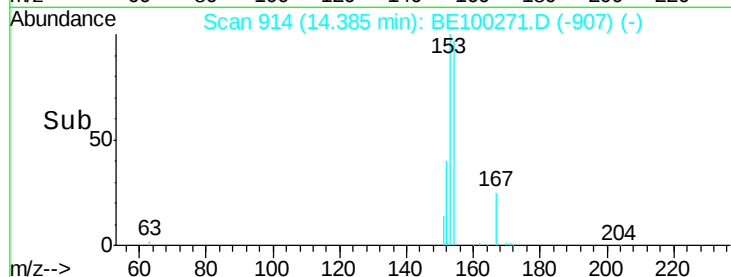
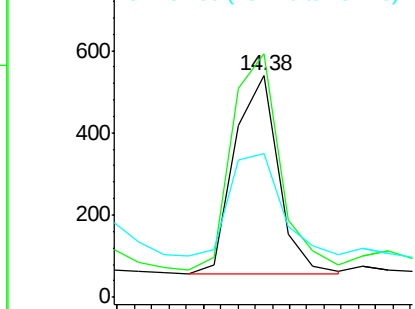
Tot Ion	Ratio	Lower	Upper
154	100		
153	120.9	93.4	140.2
152	67.3	49.4	74.2

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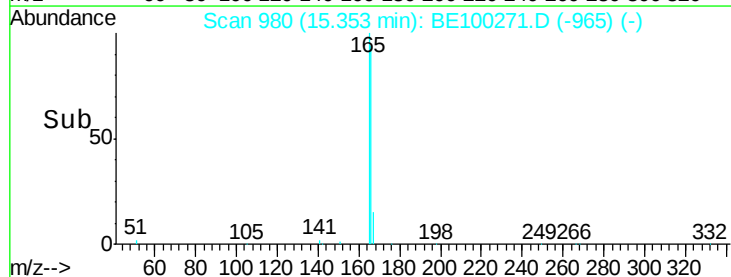
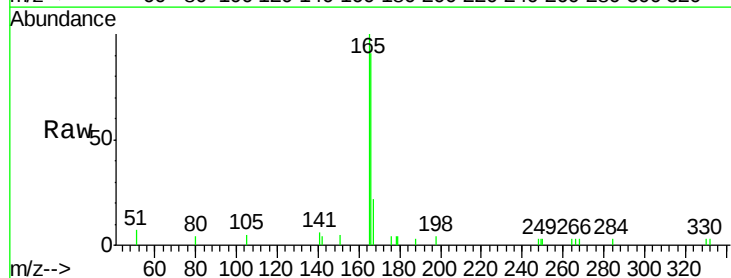
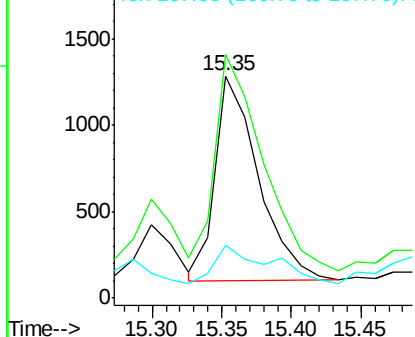
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

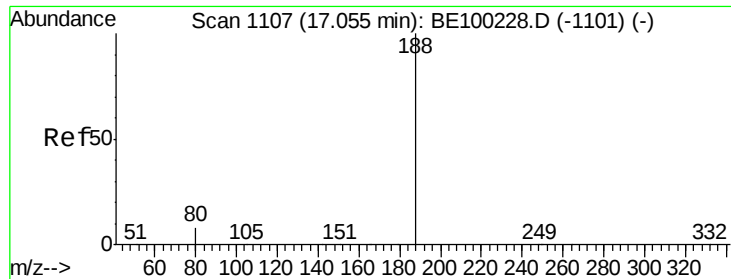


#18
Fluorene
Concen: 0.238 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	116.7	81.1	121.7
167	23.8	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





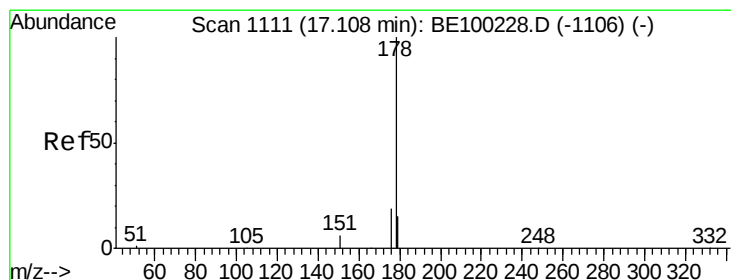
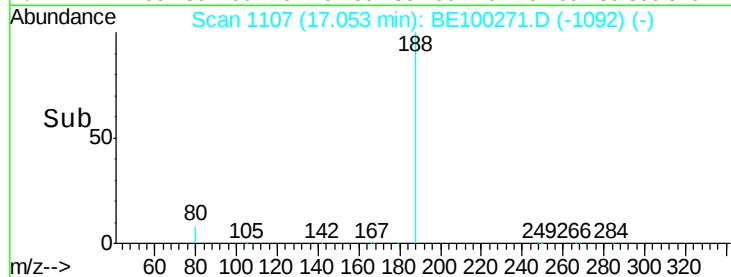
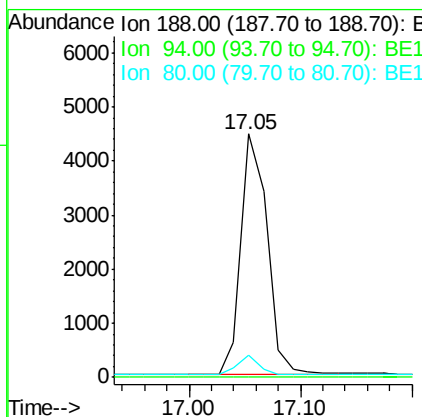
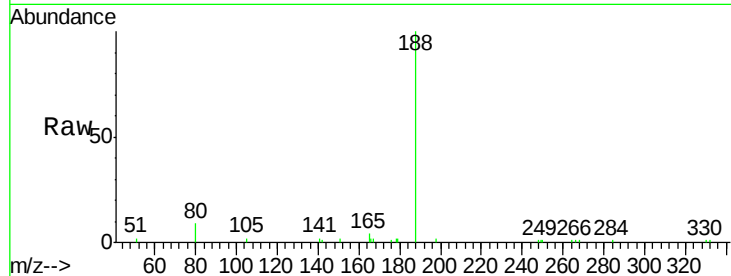
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

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

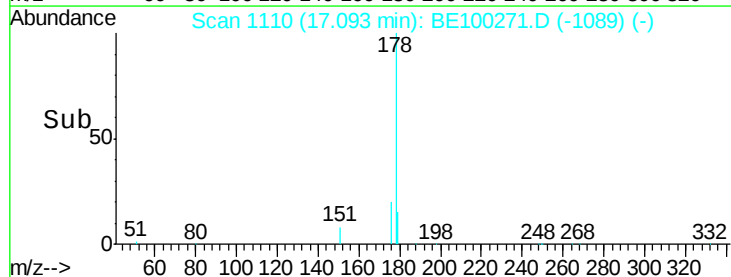
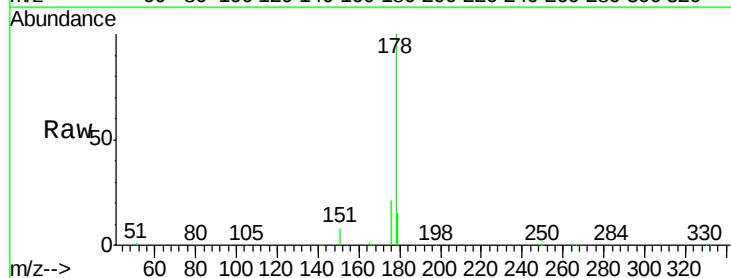
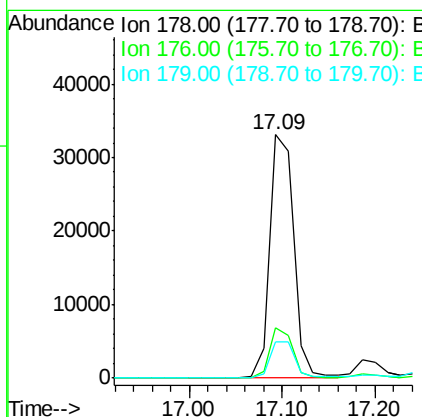
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#23
Phenanthrene
Concen: 3.344 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.4	12.2	18.2





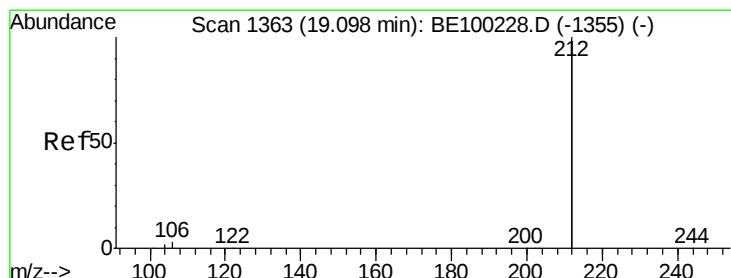
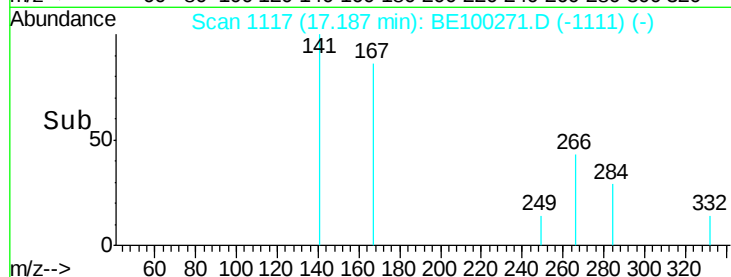
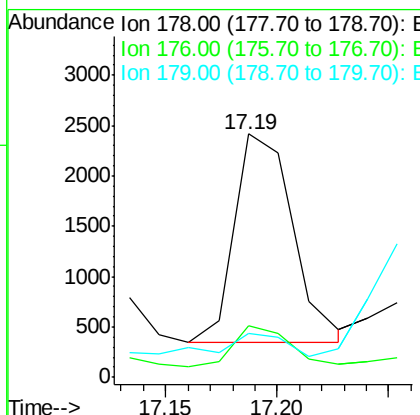
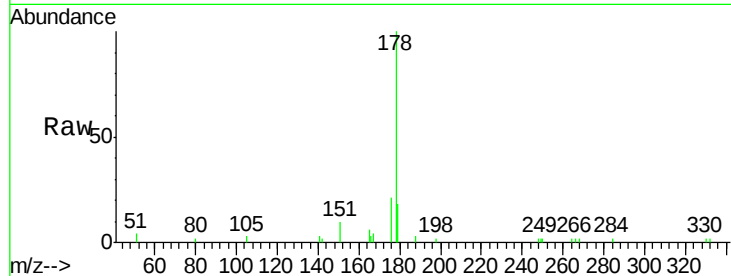
#24
 Anthracene
 Concen: 0.239 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	10.9	12.2	18.2

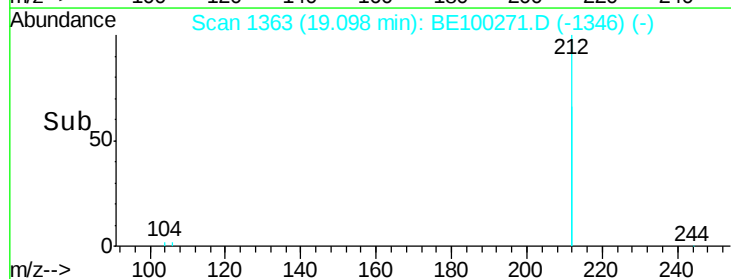
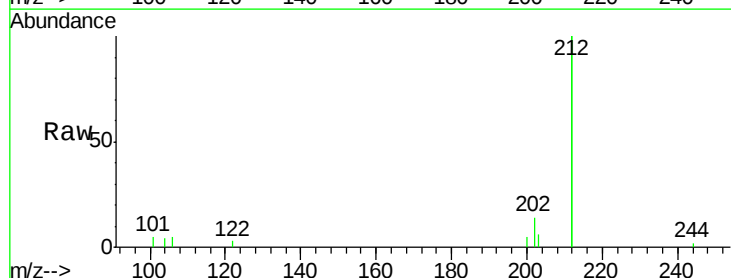
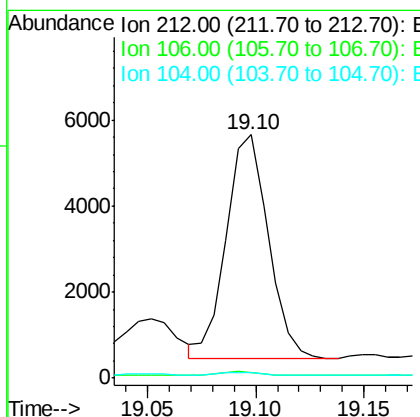
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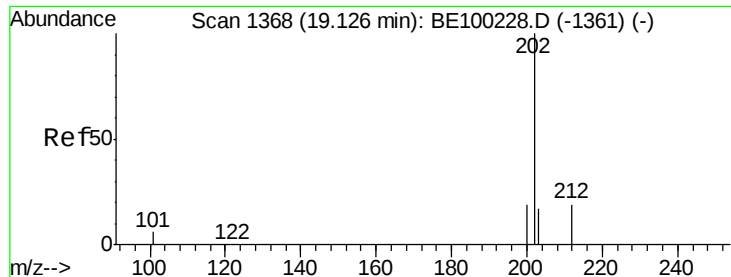
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#25
 Fluoranthene-d10
 Concen: 0.066 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

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





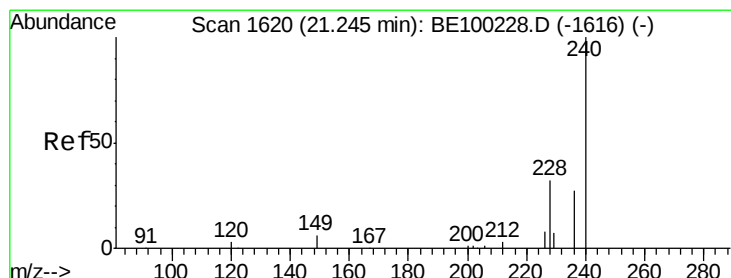
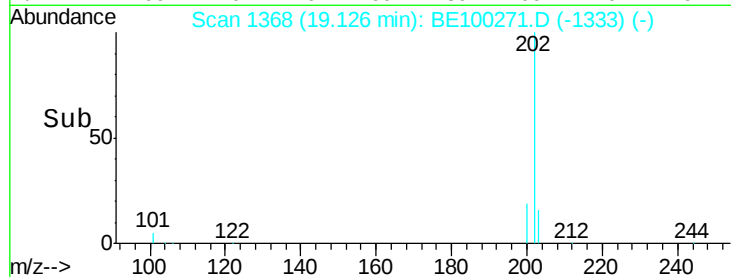
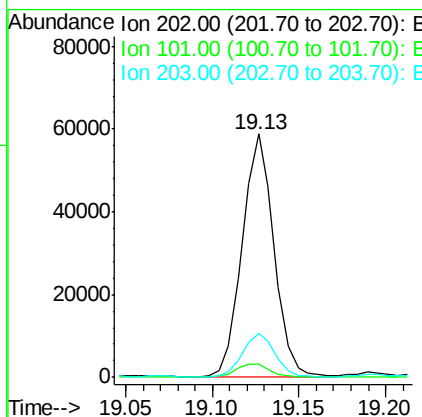
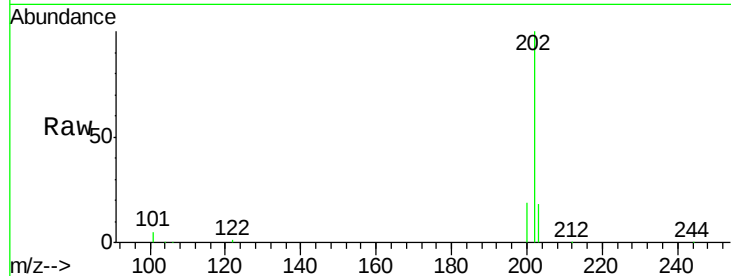
#26
 Fluoranthene
 Concen: 2.657 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.9	13.7	20.5

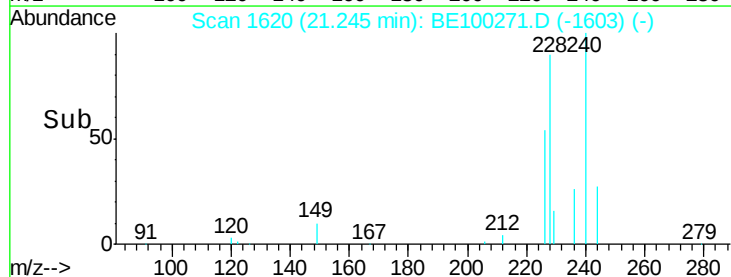
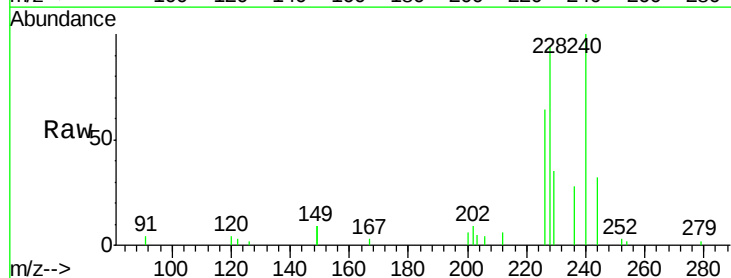
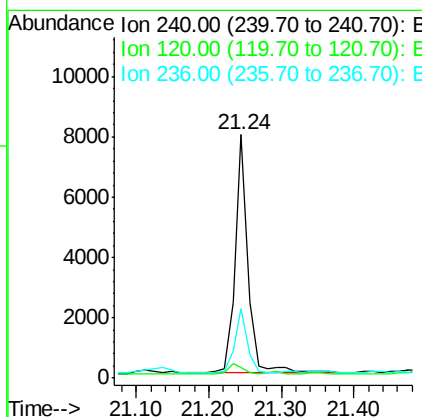
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	3.3	4.9
236	28.4	22.6	34.0





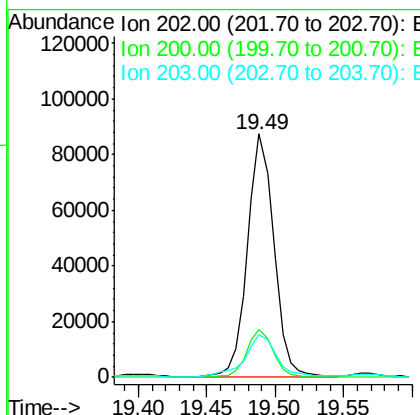
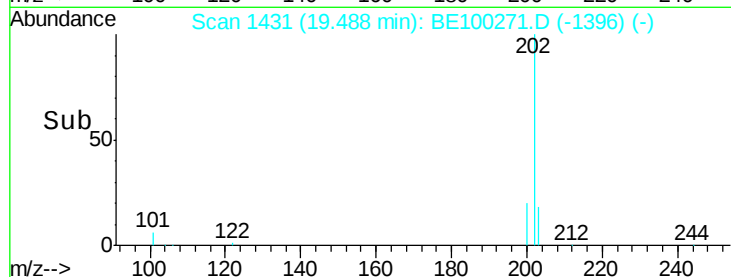
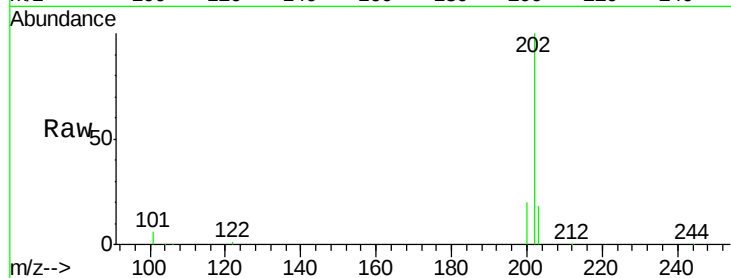
#28
Pvrene
Concen: 4.378 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.7	14.0	21.0

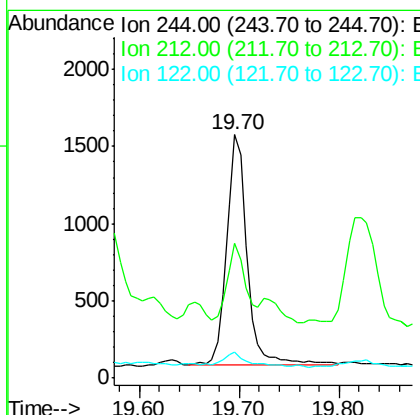
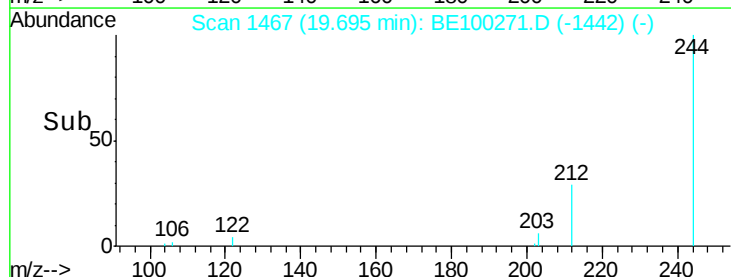
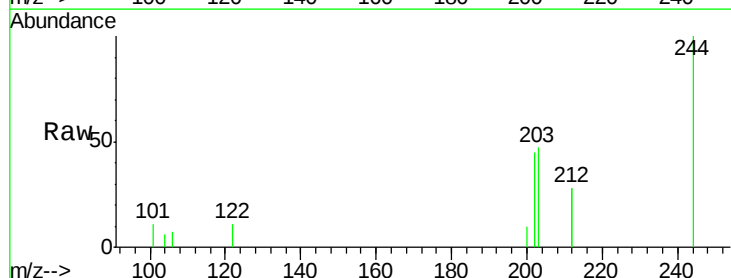
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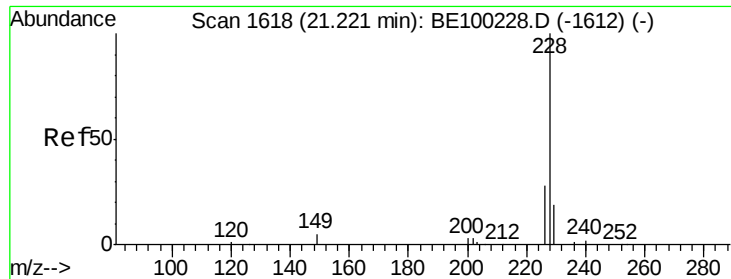
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#29
Terphenyl-d14
Concen: 0.103 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	55.4	27.3	40.9#
122	10.5	4.7	7.1#





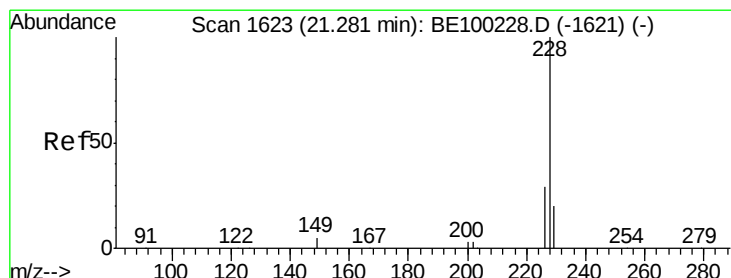
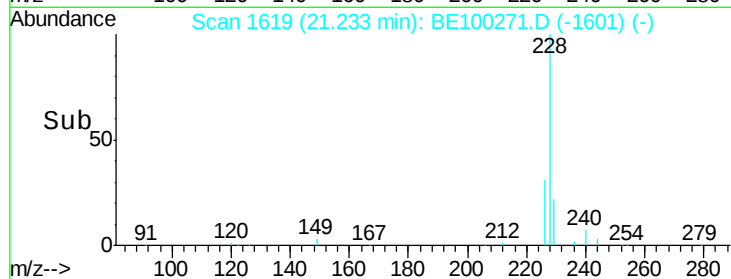
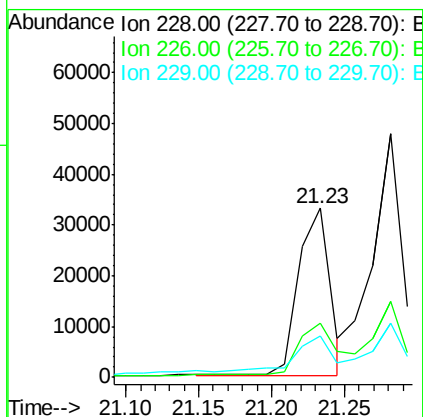
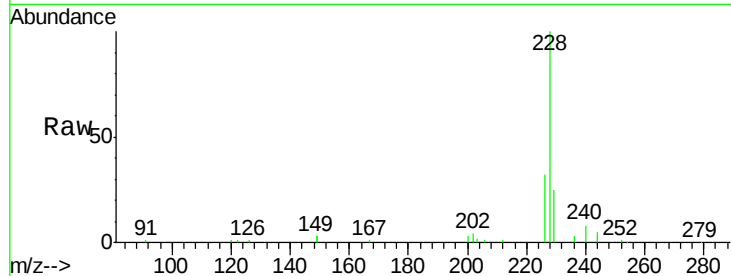
#30
Benzo(a)anthracene
Concen: 1.518 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.2	34.8
229	24.7	15.7	23.5

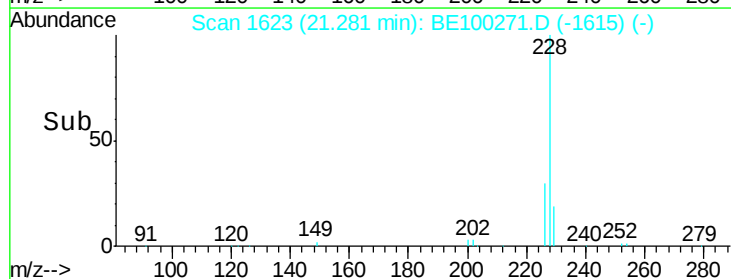
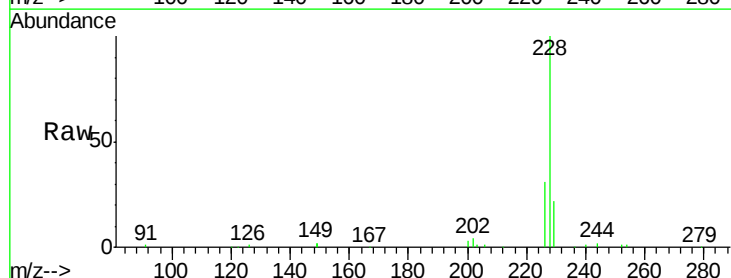
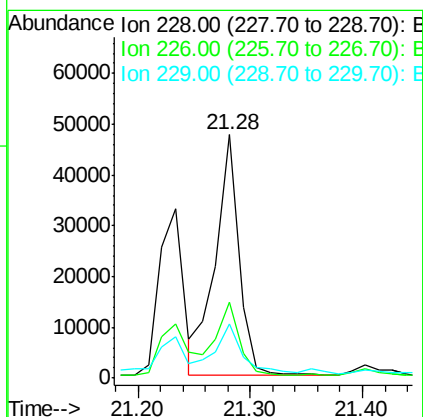
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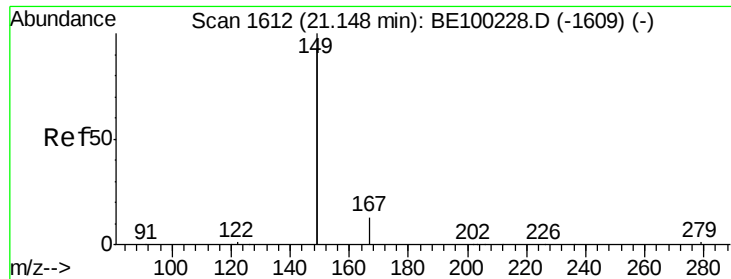
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#31
Chrysene
Concen: 2.125 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.3	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.035 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Instrument :

BNA_E

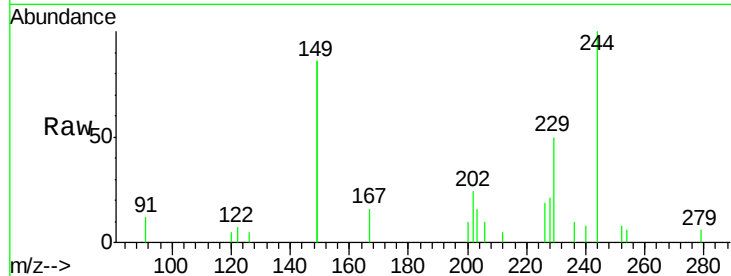
ClientSampleId :

EXT-084-SW155-061319DL

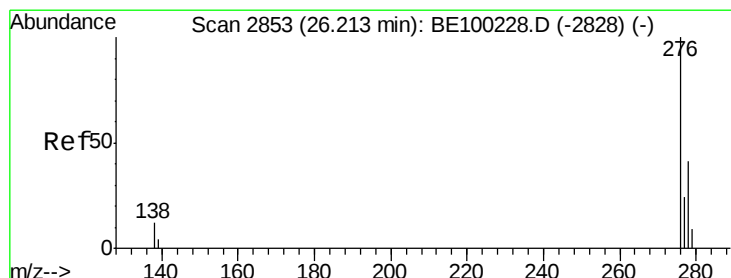
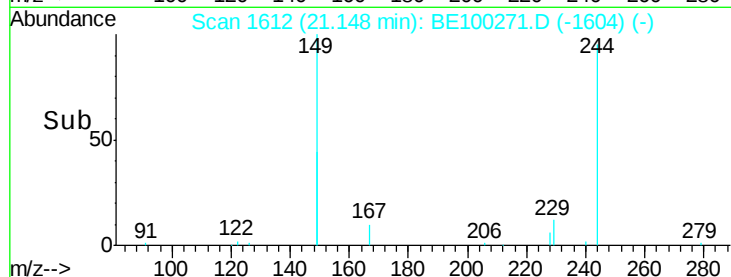
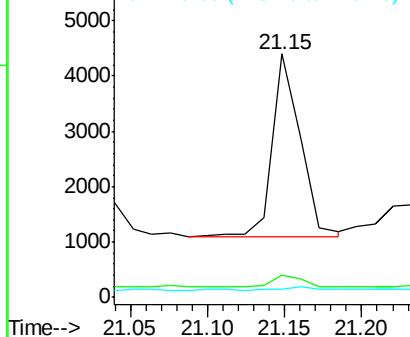
Tot Ion:	149	Resp:	4262
Ion Ratio	Lower	Upper	
149	100		
167	7.8	5.8	8.8
279	2.1	1.1	1.7#

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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: 0.616 ng

RT: 26.23 min Scan# 2857

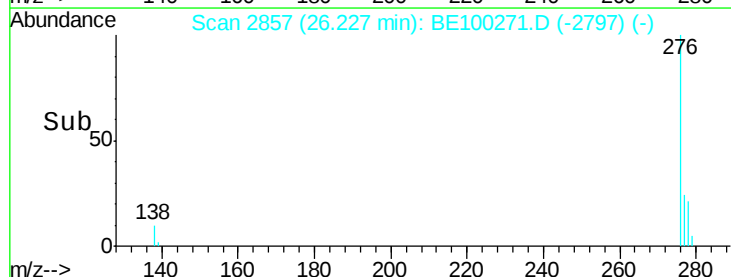
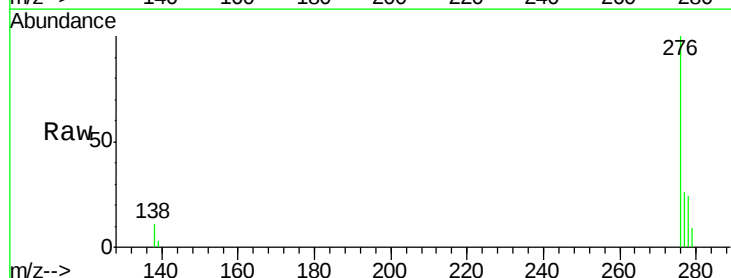
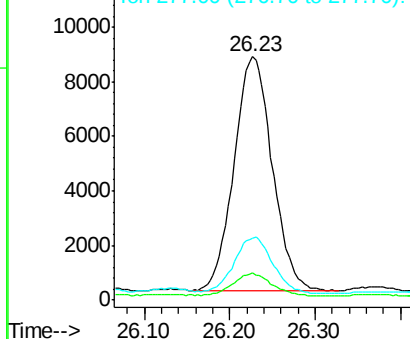
Delta R.T. 0.01 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Tgt Ion:	276	Resp:	26754
Ion Ratio	Lower	Upper	
276	100		
138	9.7	9.4	14.0
277	24.8	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: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Instrument :

BNA_E

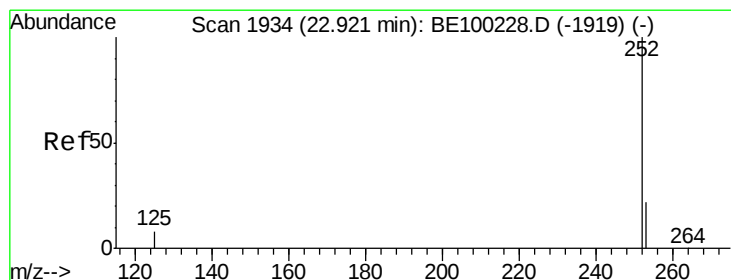
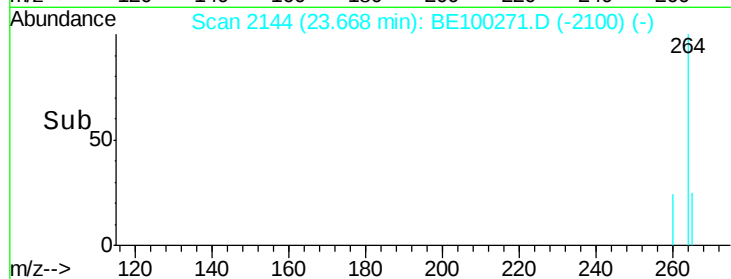
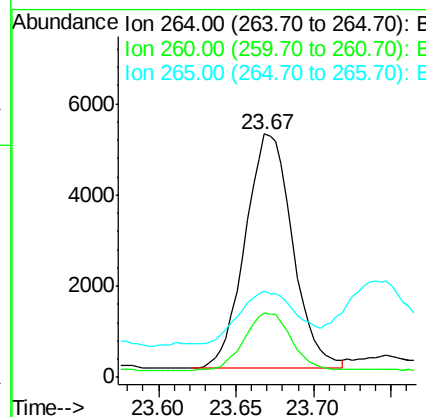
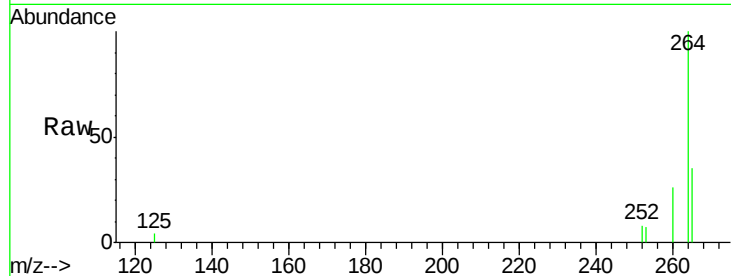
ClientSampleId :

EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	35.4	21.8	32.6

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#35

Benzo(b)fluoranthene

Concen: 1.724 ng

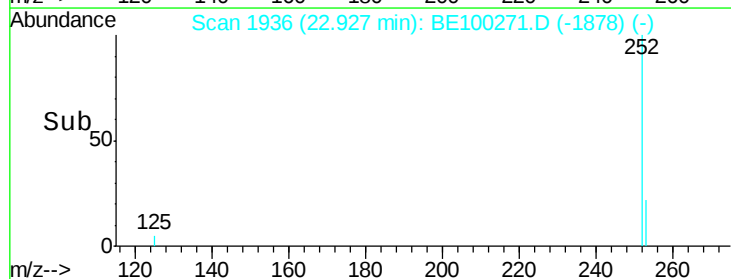
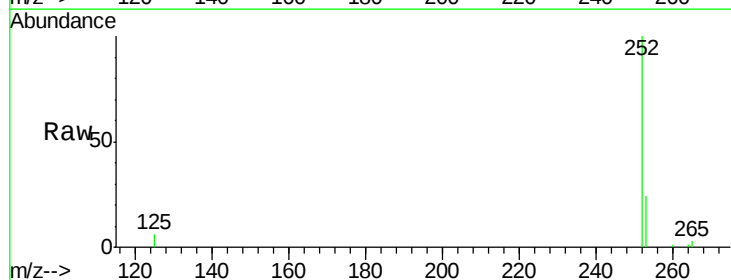
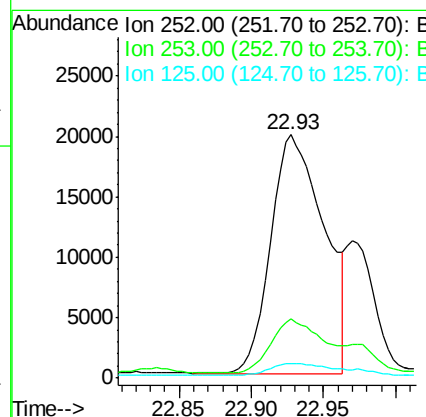
RT: 22.93 min Scan# 1936

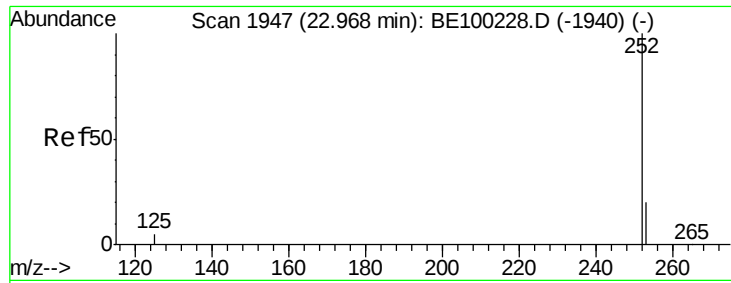
Delta R.T. 0.01 min

Lab File: BE100271.D

Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.2	28.8
125	6.2	7.4	11.0





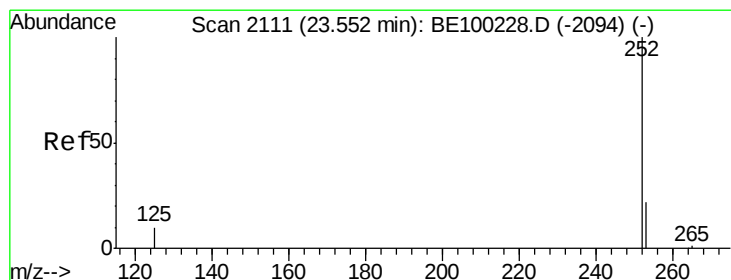
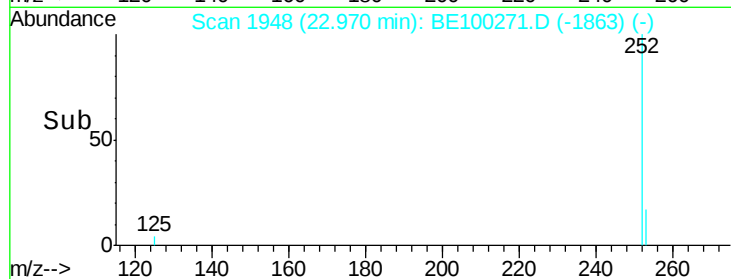
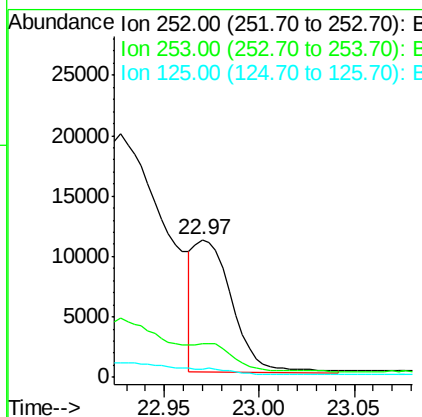
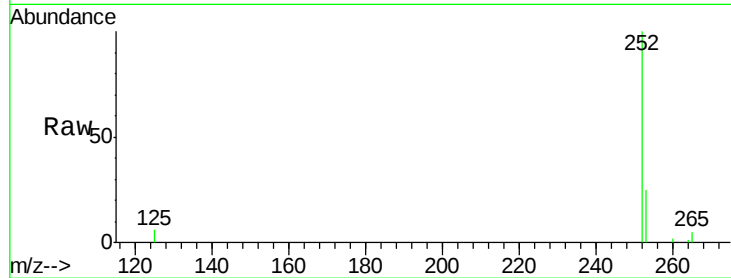
#36
Benzo(k)fluoranthene
Concen: 0.477 ng
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	6.3	5.0	7.4

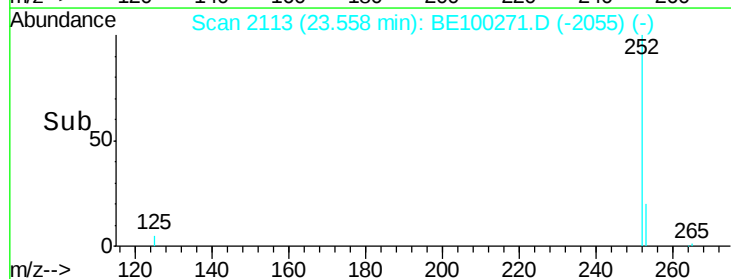
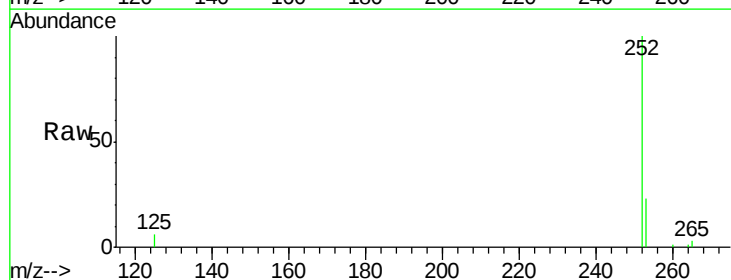
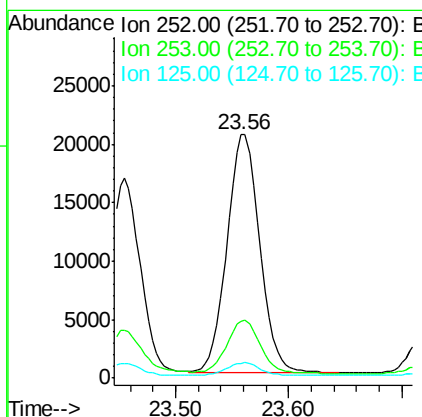
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#37
Benzo(a)pyrene
Concen: 1.388 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100271.D
Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.6	29.4
125	6.2	9.0	13.6





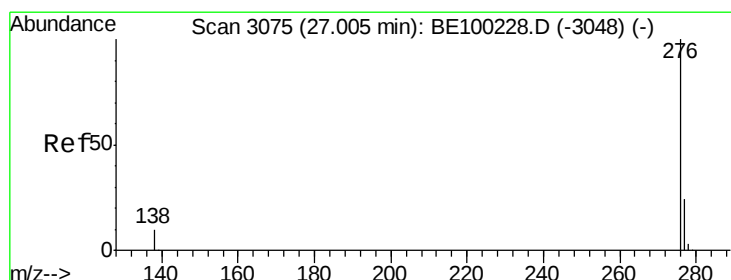
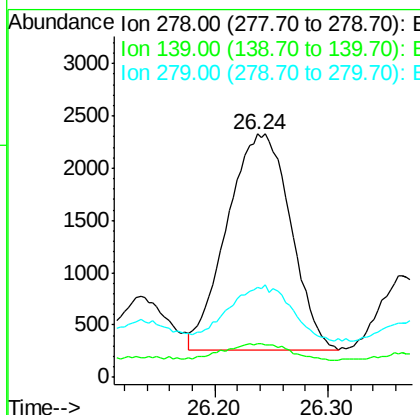
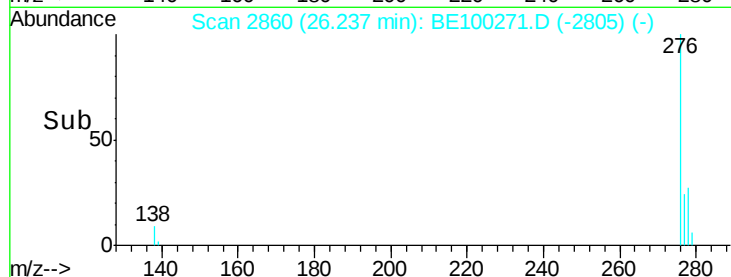
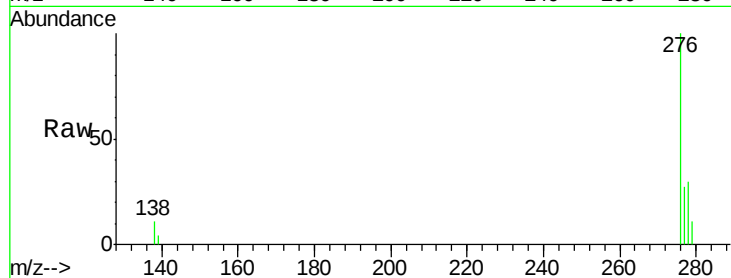
#38
 Dibenzo(a,h)anthracene
 Concen: 0.262 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.2	12.2#
279	36.9	20.3	30.5#

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#39
 Benzo(g,h,i)perylene
 Concen: 0.981 ng
 RT: 27.02 min Scan# 3079
 Delta R.T. 0.01 min
 Lab File: BE100271.D
 Acq: 1 Jul 2019 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.2	30.2
138	10.7	9.0	13.6

