

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100288.D
 Acq On : 2 Jul 2019 5:58
 Operator : JU/SJ
 Sample : K3445-08DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819DL

Manual Integrations
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mohammad
 7/3/2019 10:53:03 PM

Quant Time: Jul 02 08:00:20 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	1001	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	3490	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2641	0.40	ng	0.02
19) Phenanthrene-d10	17.07	188	7327	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9045	0.40	ng	0.00
34) Perylene-d12	23.68	264	10628	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	155	0.06	ng	0.01
5) Phenol-d6	6.85	99	192	0.06	ng	0.01
8) Nitrobenzene-d5	8.82	82	188	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	393	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	121	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	632	0.06	ng	0.00
25) Fluoranthene-d10	19.10	212	6118	0.06	ng	0.00
29) Terphenyl-d14	19.70	244	1639	0.09	ng	0.00
Target Compounds						
9) Naphthalene	10.48	128	1112	0.029	ng	Qvalue # 84
16) Acenaphthylene	14.04	152	965	0.076	ng	97
17) Acenaphthene	14.39	154	266	0.037	ng	95
18) Fluorene	15.37	166	533	0.050	ng	# 91
23) Phenanthrene	17.11	178	19098	1.075	ng	100
24) Anthracene	17.20	178	3945	0.247	ng	98
26) Fluoranthene	19.13	202	61889	2.188	ng	99
28) Pyrene	19.49	202	60130	2.511	ng	96
30) Benzo(a)anthracene	21.23	228	42554	1.431	ng	97
31) Chrysene	21.28	228	35682	1.195	ng	95
33) Indeno(1,2,3-cd)pyrene	26.24	276	22196	0.562	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	46691	1.620	ng	97
36) Benzo(k)fluoranthene	22.98	252	18278m	0.568	ng	
37) Benzo(a)pyrene	23.57	252	37021m	1.282	ng	
38) Dibenzo(a,h)anthracene	26.25	278	5164	0.171	ng	# 65
39) Benzo(g,h,i)perylene	27.04	276	21348	0.689	ng	93

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

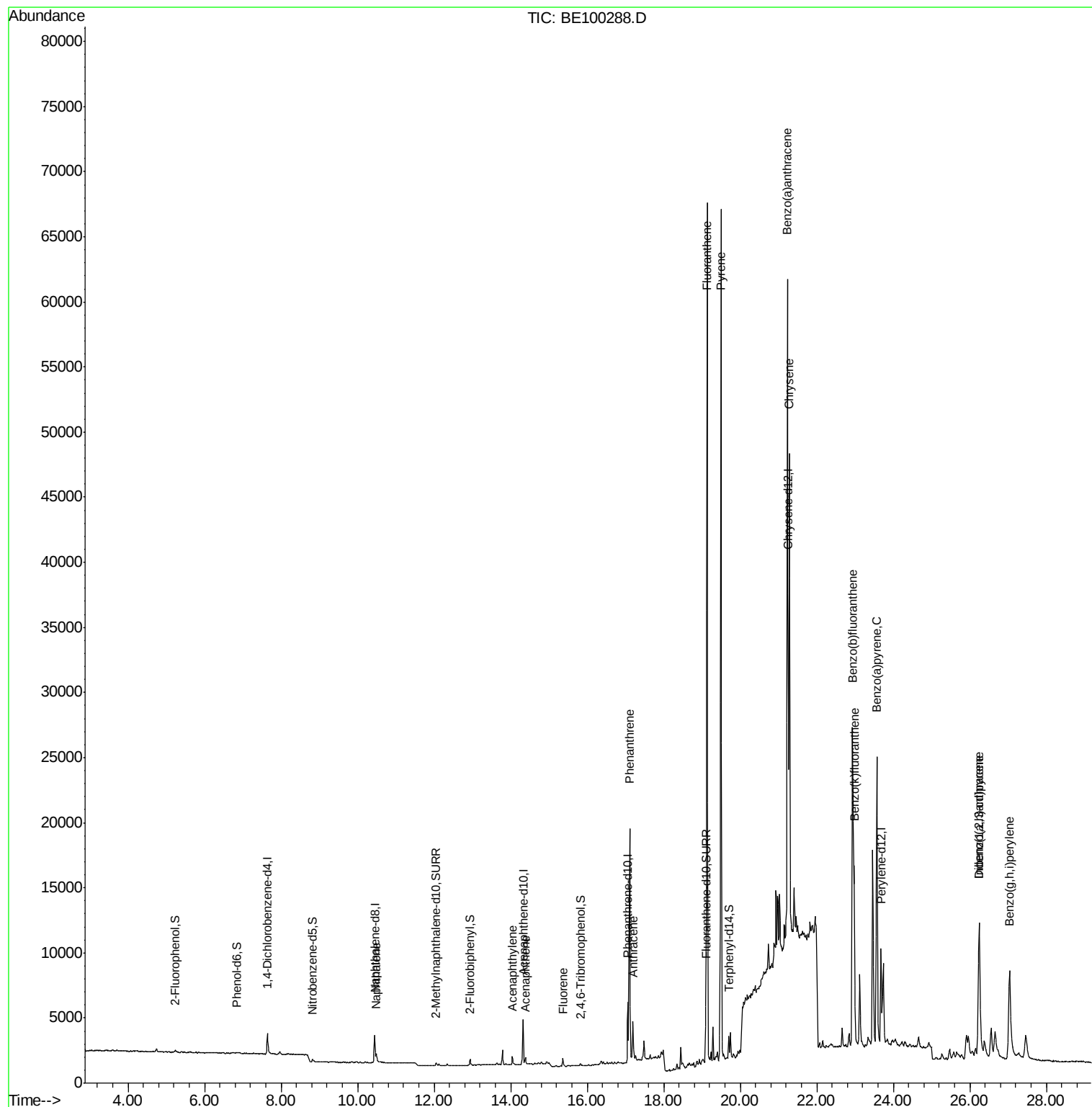
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
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#1

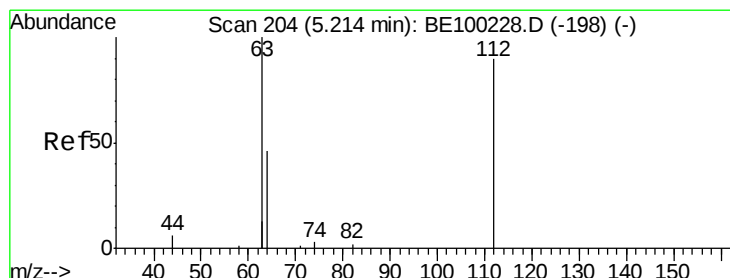
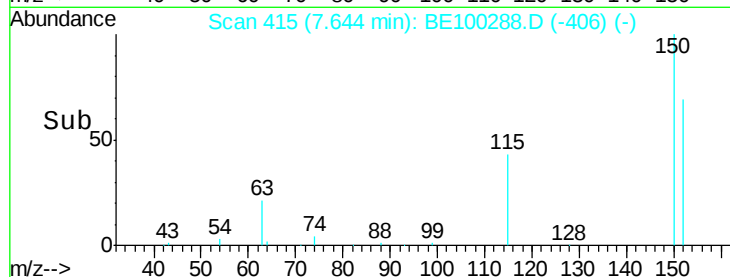
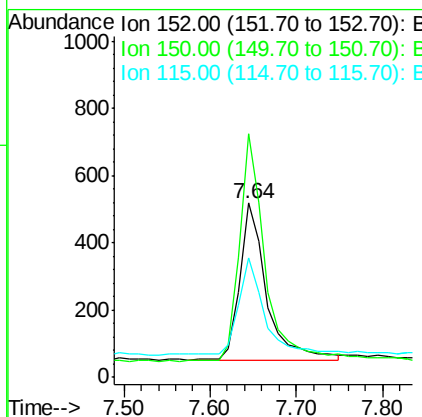
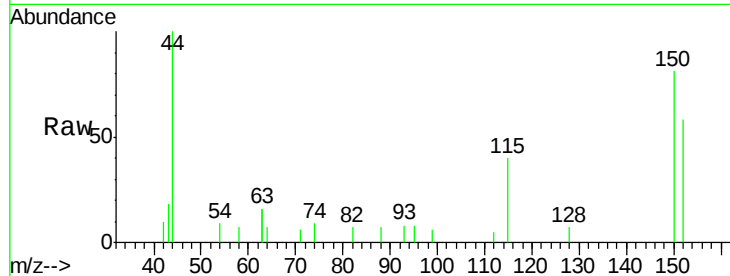
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	114.5	171.7
115	68.2	57.1	85.7

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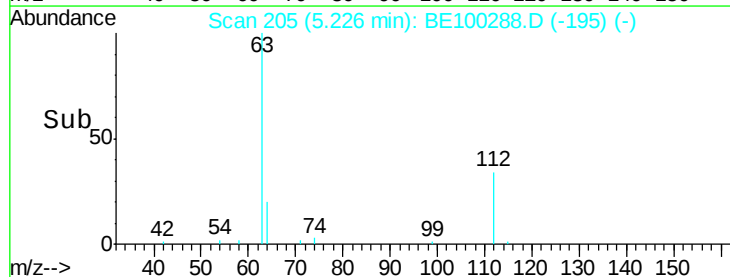
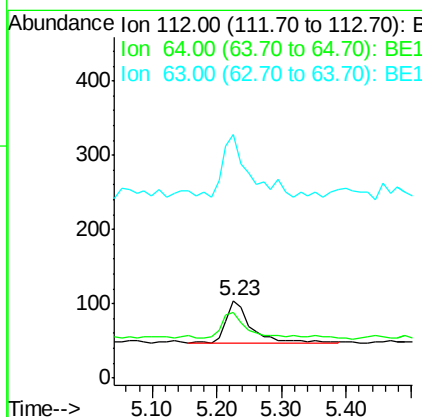
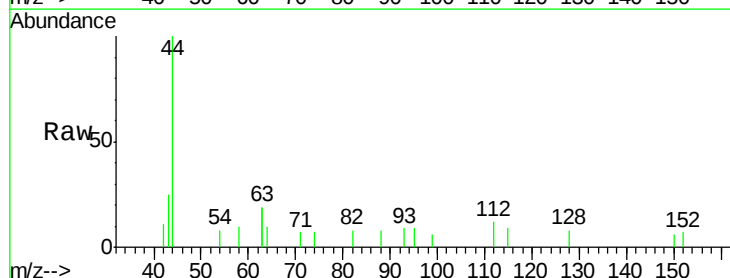
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#4

2-Fluorophenol
Concen: 0.061 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	39.4	59.0#
63	147.7	104.5	156.7





#5

Phenol-d6

Concen: 0.057 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Instrument :

BNA_E

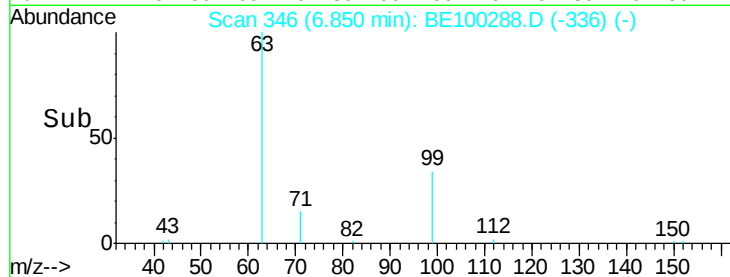
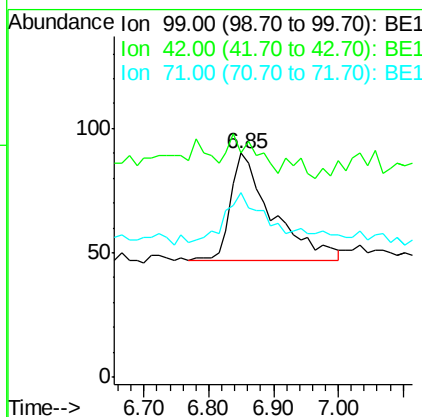
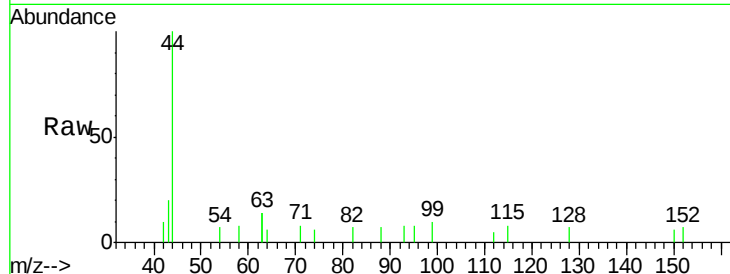
ClientSampleId :

PST-007-SW048-061819DL

Tot Ion:	99	Resp:	192
Ion	Ratio	Lower	Upper
99	100		
42	22.9	11.2	16.8#
71	44.8	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

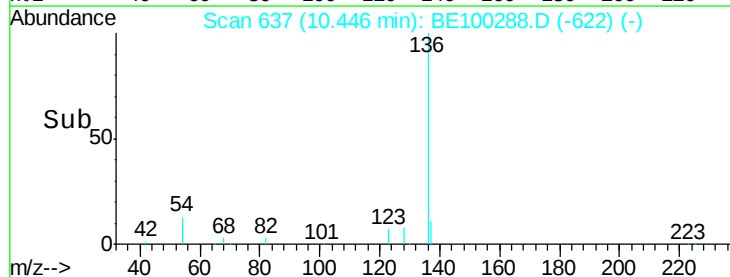
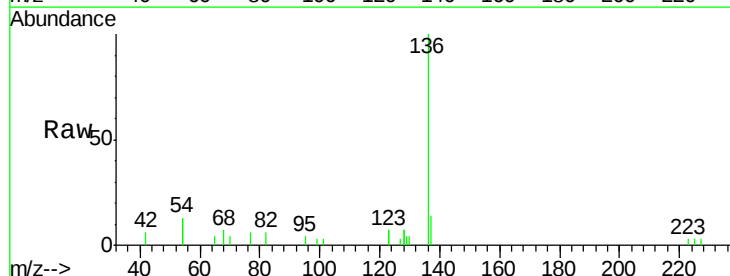
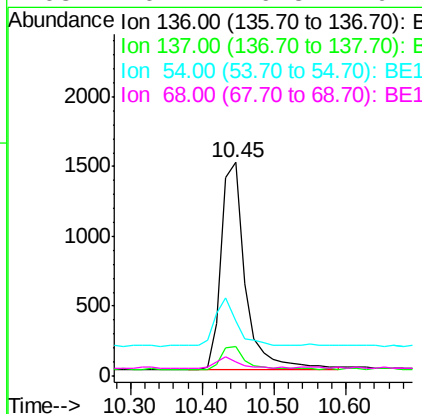
RT: 10.45 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Tgt Ion:	136	Resp:	3490
Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.8	17.8
54	25.9	27.7	41.5#
68	6.7	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.054 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Instrument :

BNA_E

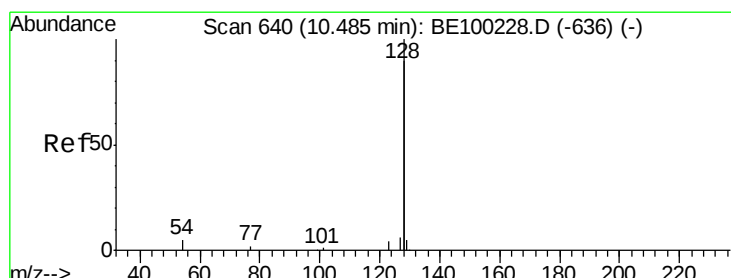
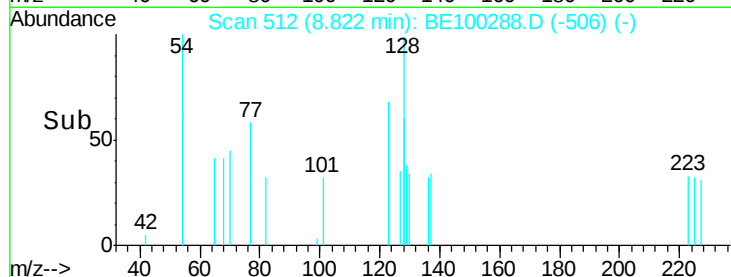
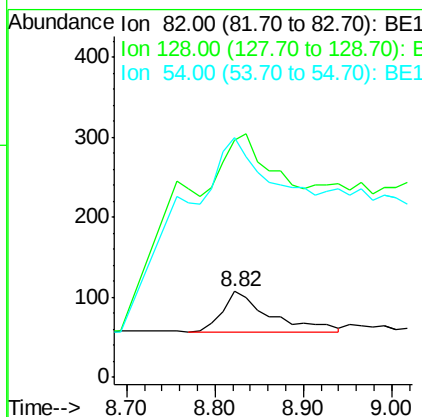
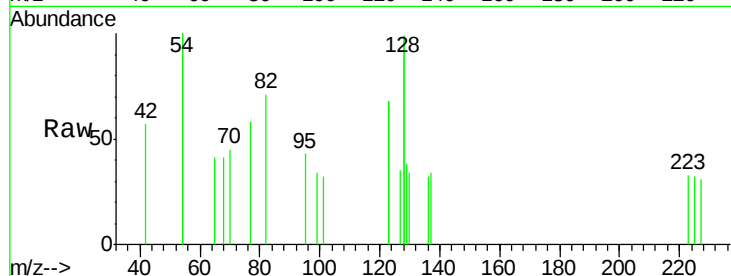
ClientSampleId :

PST-007-SW048-061819DL

Tot Ion:	82	Resp:	188
Ion Ratio	Lower	Upper	
82	100		
128	276.6	140.9	211.3#
54	280.4	146.2	219.2#

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#9

Naphthalene

Concen: 0.029 ng

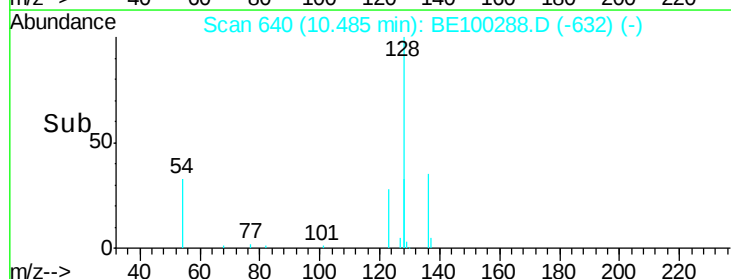
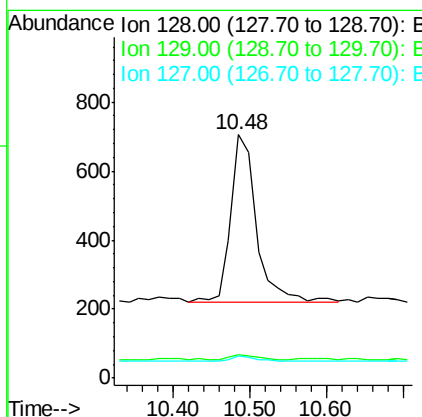
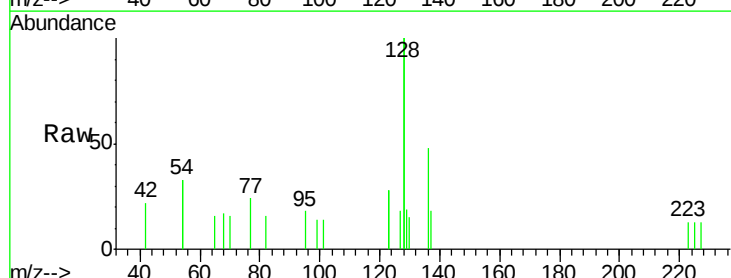
RT: 10.48 min Scan# 640

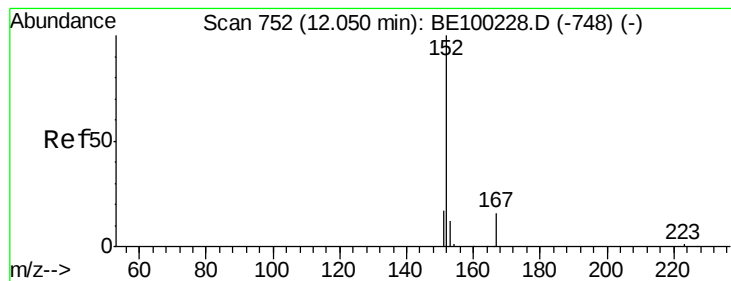
Delta R.T. 0.00 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Tgt Ion:	128	Resp:	1112
Ion Ratio	Lower	Upper	
128	100		
129	9.6	3.0	4.6#
127	9.2	3.5	5.3#





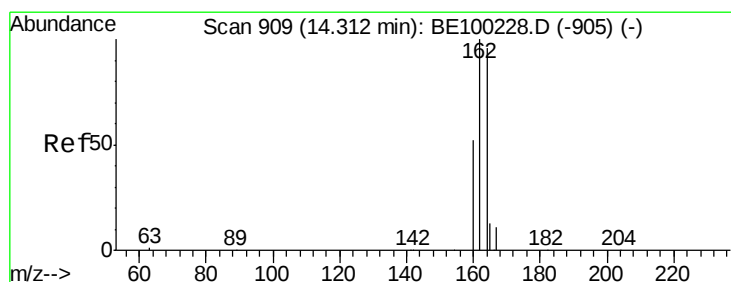
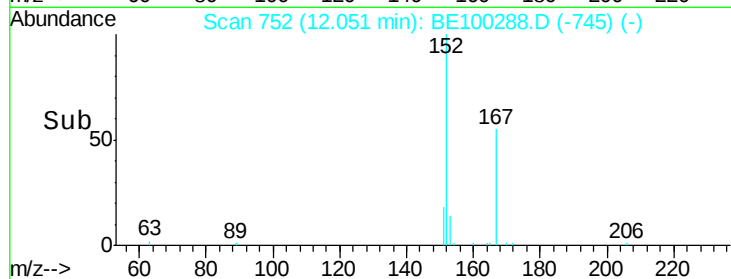
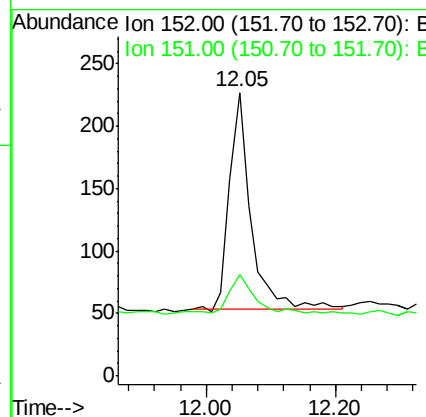
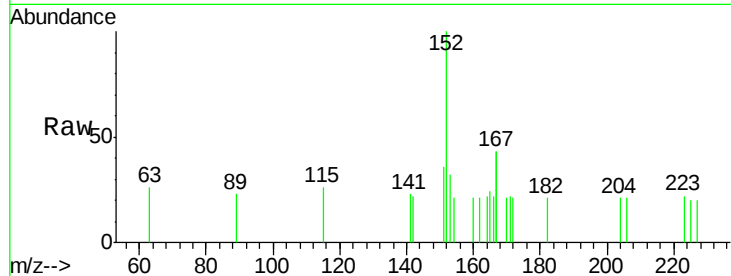
#11
2-Methylnaphthalene-d10
Concen: 0.060 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion:152 Resp: 393
Ion Ratio Lower Upper
152 100
151 26.2 15.1 22.7#

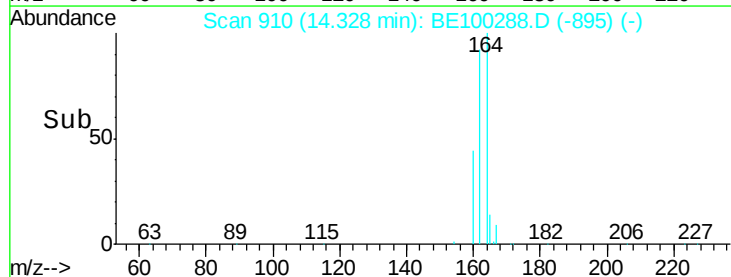
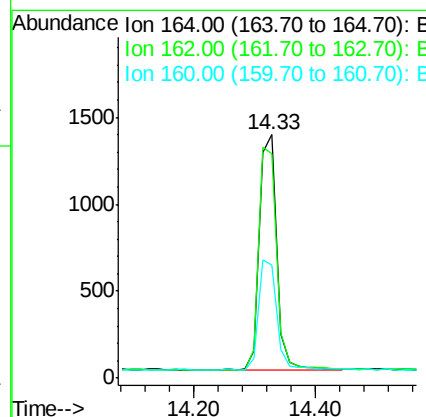
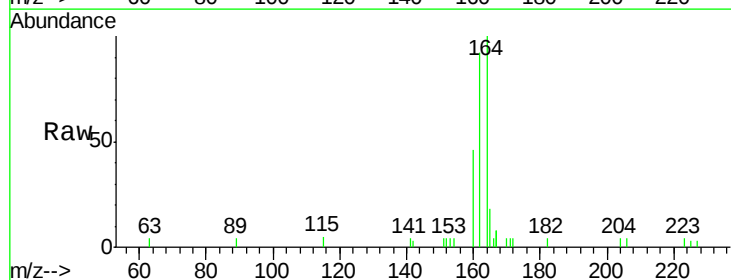
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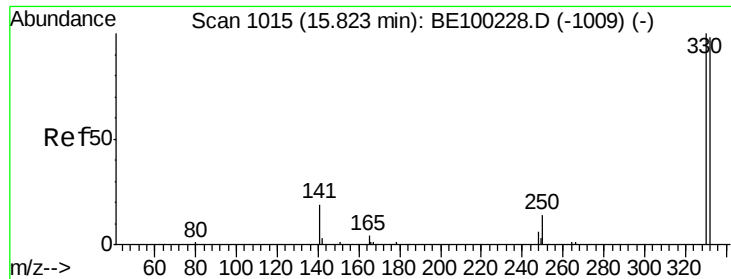
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.02 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion:164 Resp: 2641
Ion Ratio Lower Upper
164 100
162 92.3 83.4 125.0
160 46.3 45.0 67.6





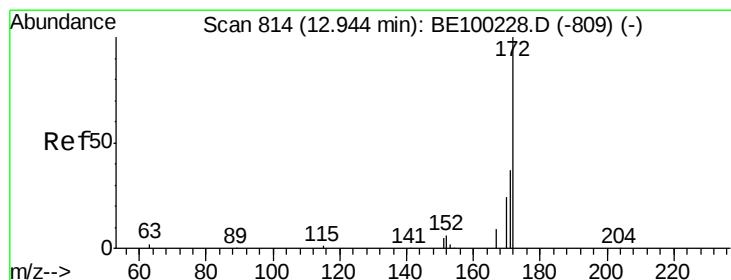
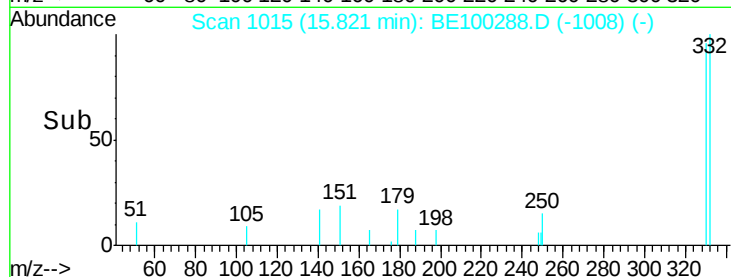
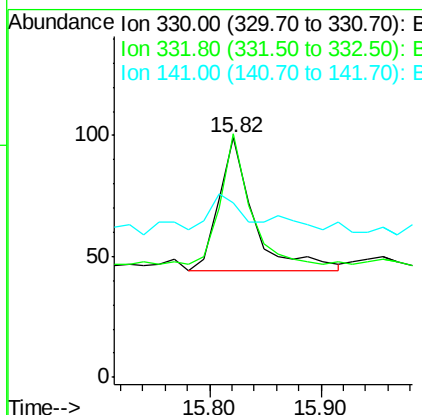
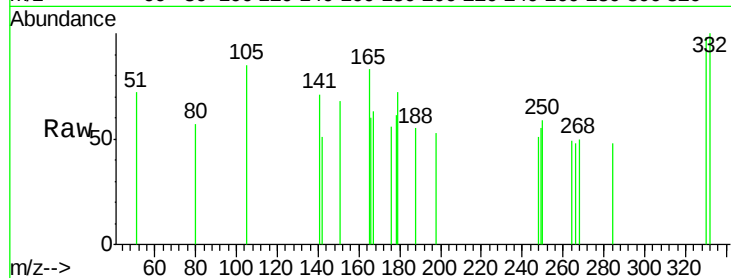
#14
 2,4,6-Tribromophenol
 Concen: 0.066 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	79.3	77.0	115.4
141	24.0	22.0	33.0

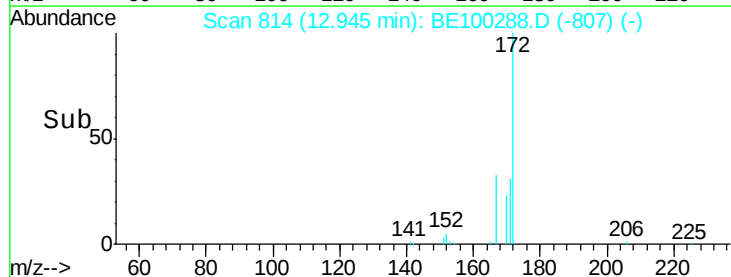
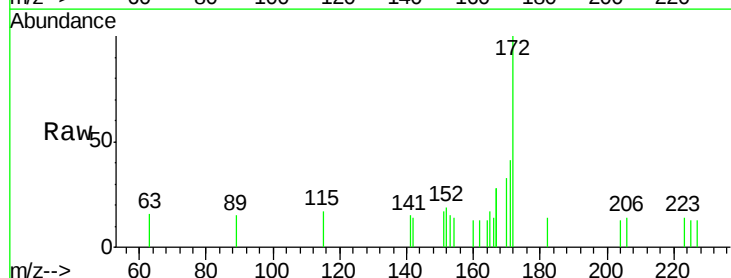
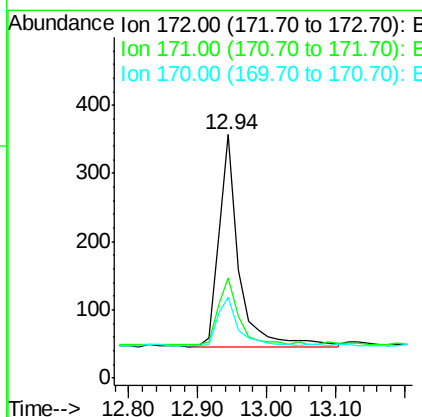
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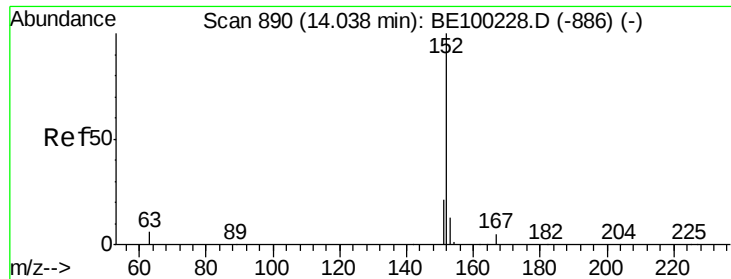
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#15
 2-Fluorobiphenyl
 Concen: 0.061 ng
 RT: 12.94 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.2	31.9	47.9
170	33.3	22.2	33.2





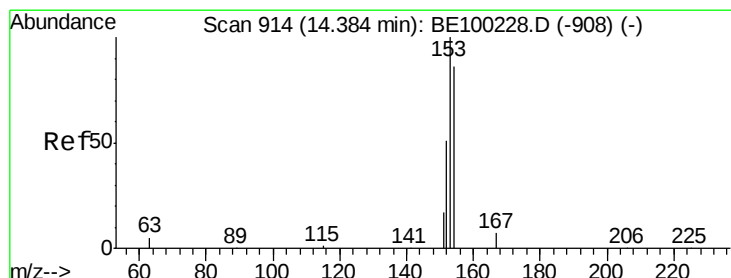
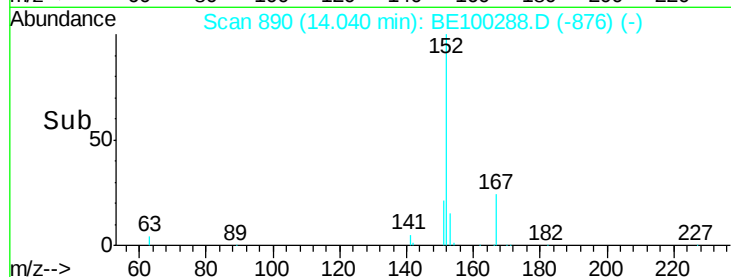
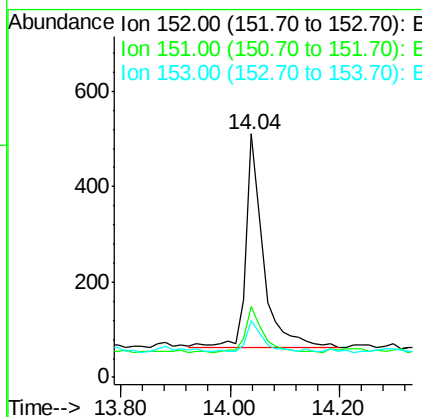
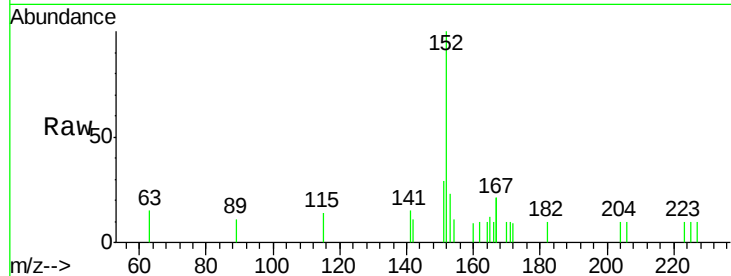
#16
Acenaphthylene
Concen: 0.076 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.6	25.0
153	14.3	10.5	15.7

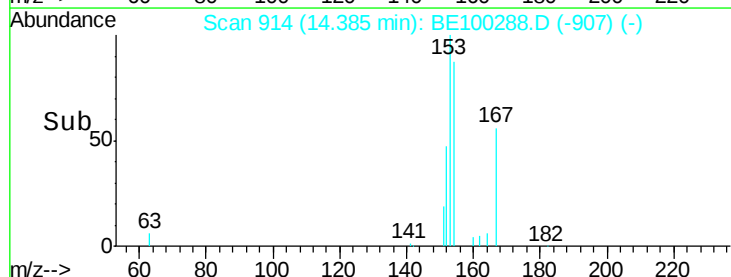
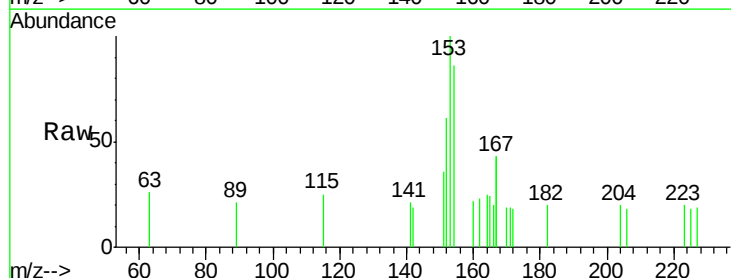
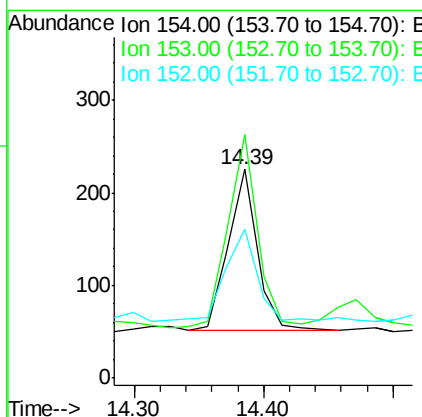
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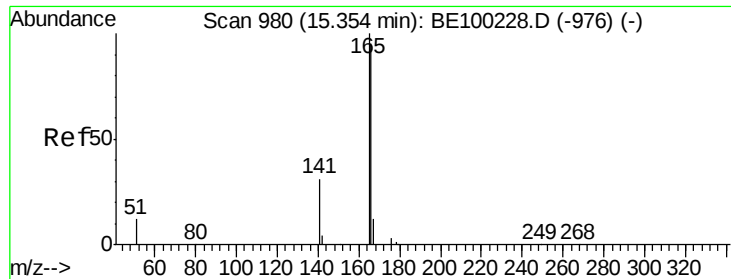
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#17
Acenaphthene
Concen: 0.037 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	124.4	93.4	140.2
152	60.5	49.4	74.2





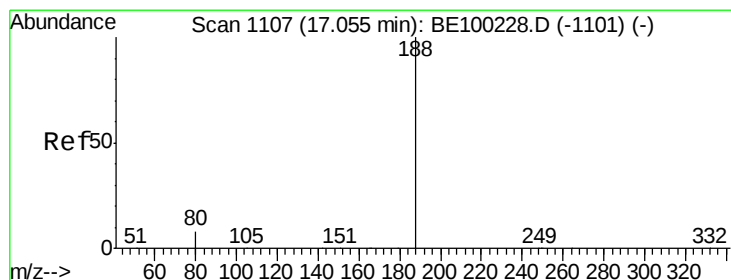
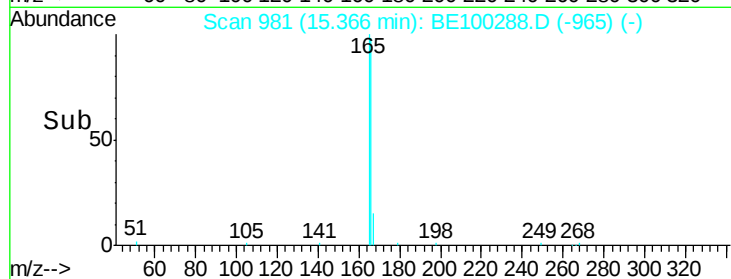
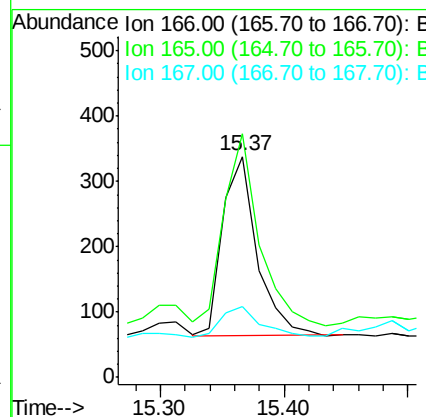
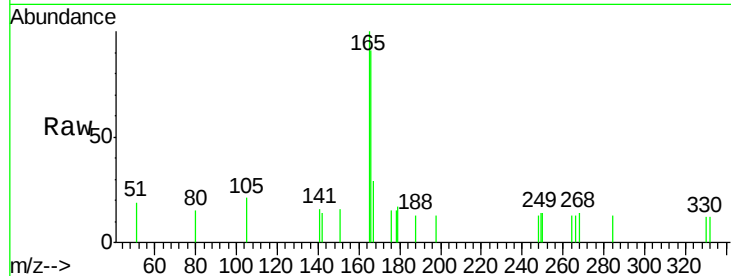
#18
Fluorene
 Concen: 0.050 ng
 RT: 15.37 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	109.2	81.1	121.7
167	20.6	10.7	16.1#

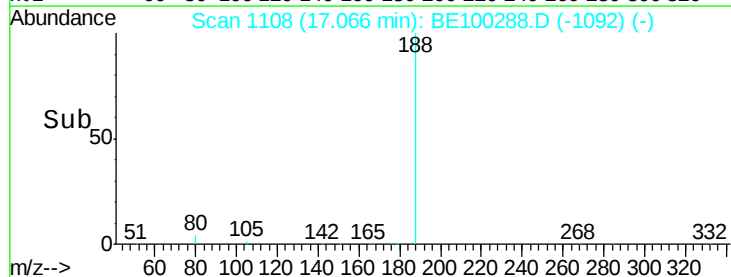
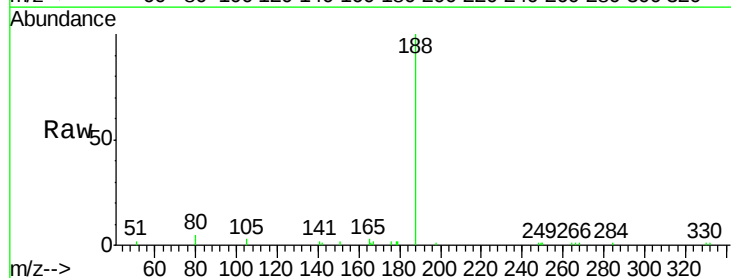
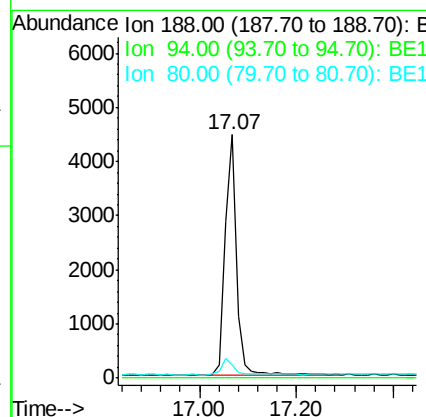
Manual Integrations
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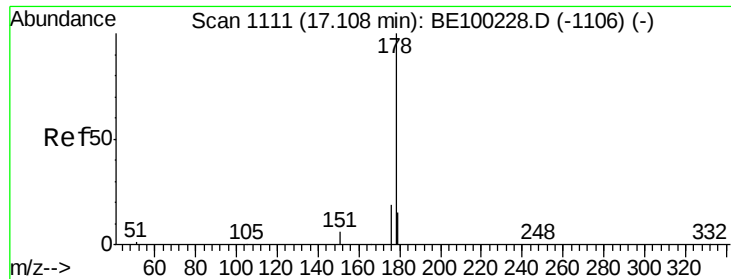
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.07 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.4	7.6	11.4#





#23

Phenanthrene

Concen: 1.075 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100228.D

Acq: 2 Jul 2019 5:58

Instrument :

BNA_E

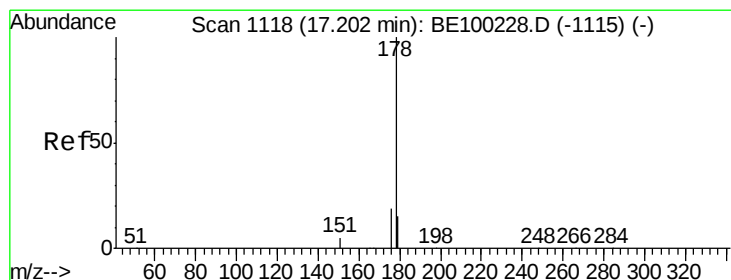
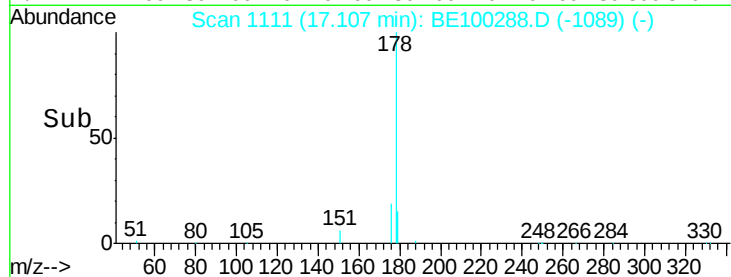
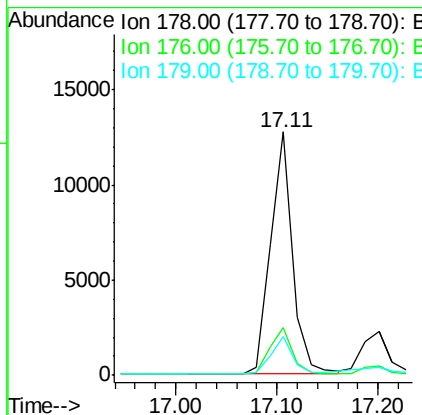
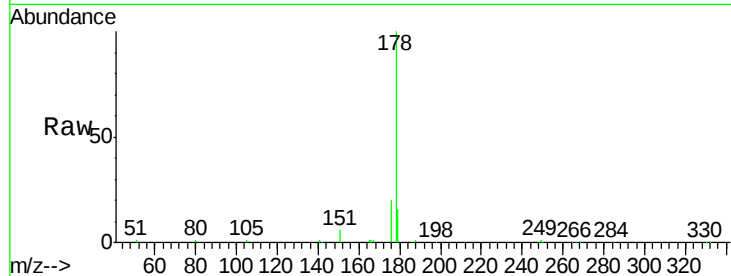
ClientSampleId :

PST-007-SW048-061819DL

Tot Ion:	178	Resp:	19098
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	15.5	12.2	18.2

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#24

Anthracene

Concen: 0.247 ng

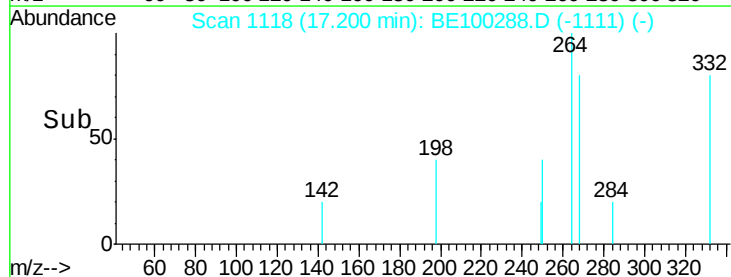
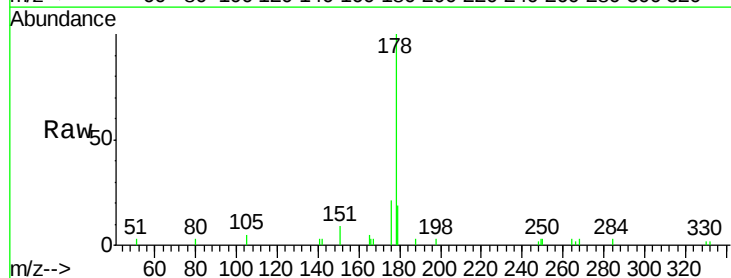
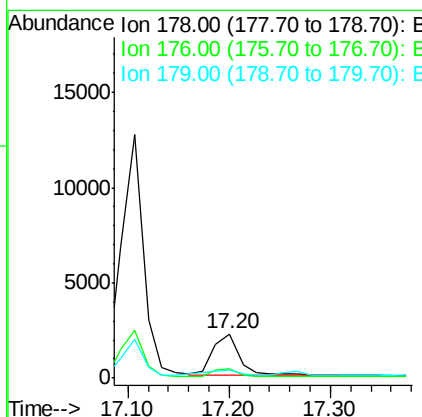
RT: 17.20 min Scan# 1118

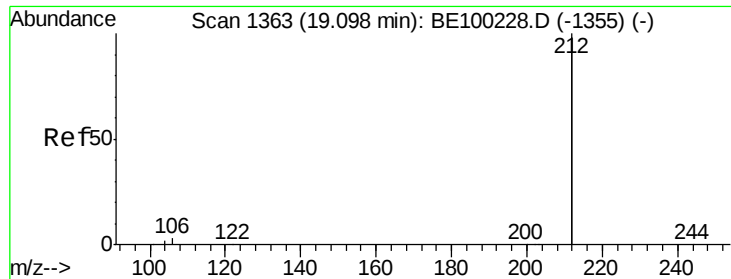
Delta R.T. -0.00 min

Lab File: BE100228.D

Acq: 2 Jul 2019 5:58

Tgt Ion:	178	Resp:	3945
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	17.2	12.2	18.2





#25

Fluoranthene-d10

Concen: 0.058 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Instrument :

BNA_E

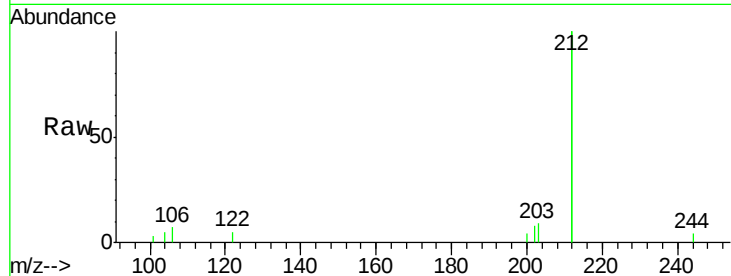
ClientSampleId :

PST-007-SW048-061819DL

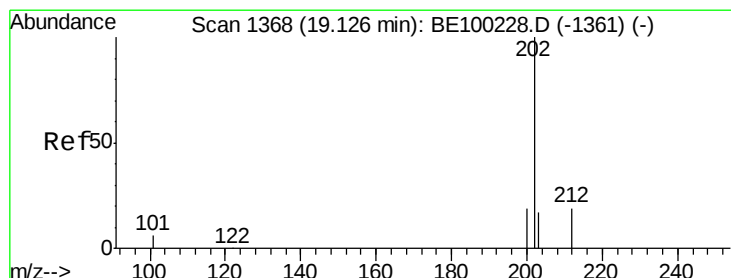
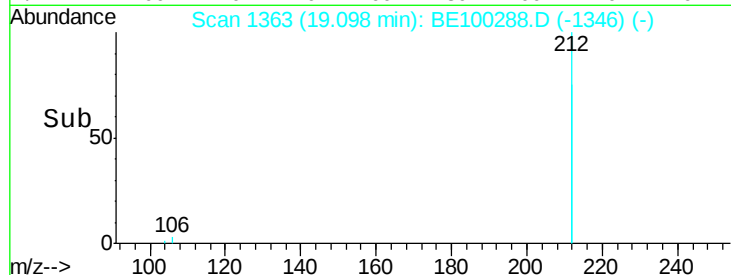
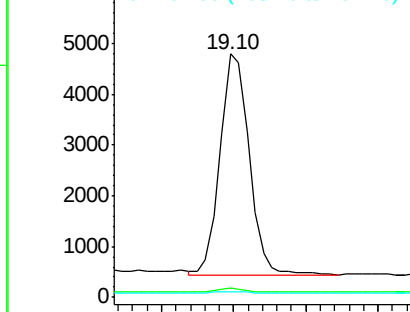
Tot Ion:	212	Resp:	6118
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.3	1.9
104	1.0	0.8	1.2

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.188 ng

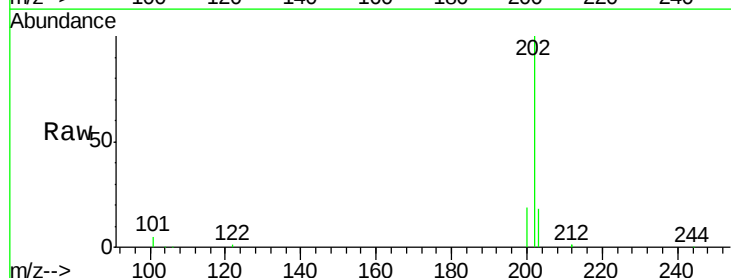
RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

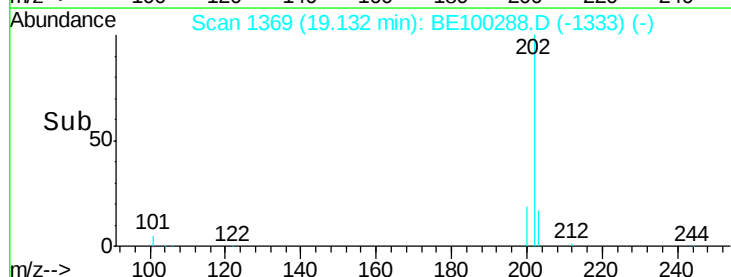
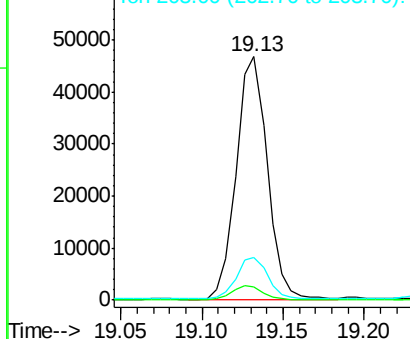
Lab File: BE100288.D

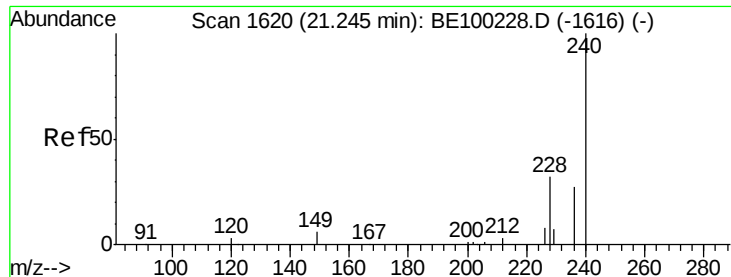
Acq: 2 Jul 2019 5:58

Tgt Ion:	202	Resp:	61889
Ion Ratio	Lower	Upper	
202	100		
101	5.6	4.6	7.0
203	17.4	13.7	20.5



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





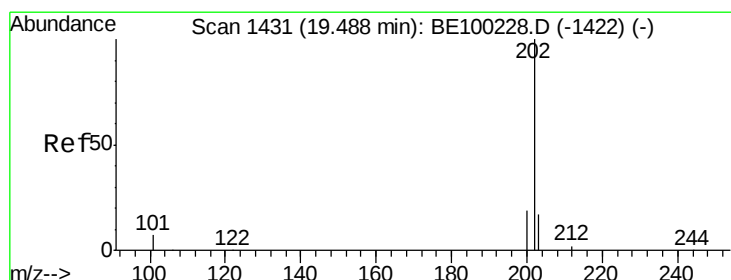
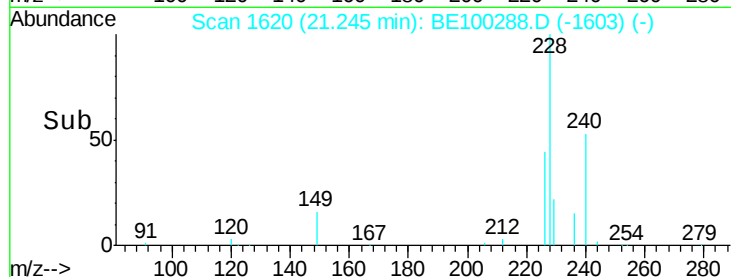
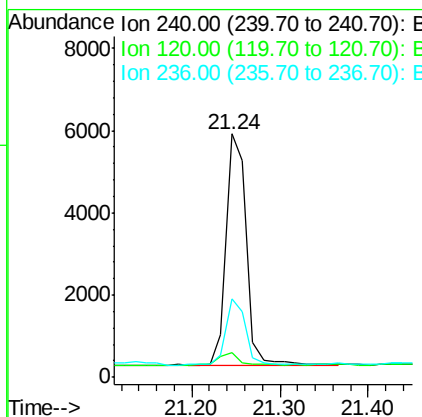
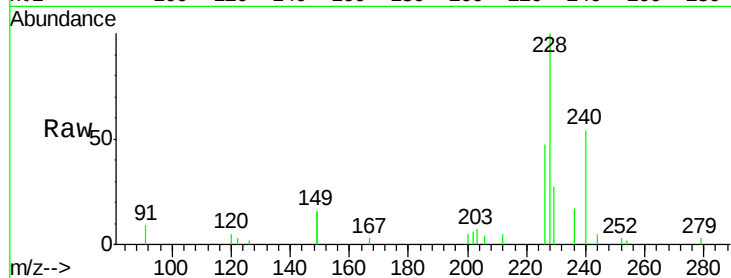
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	3.3	4.9#
236	32.2	22.6	34.0

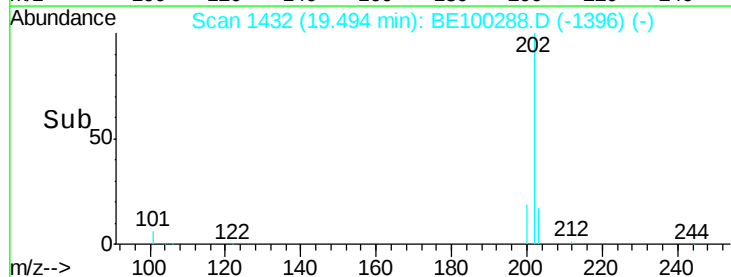
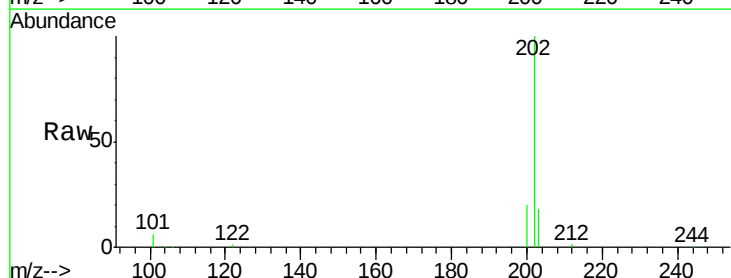
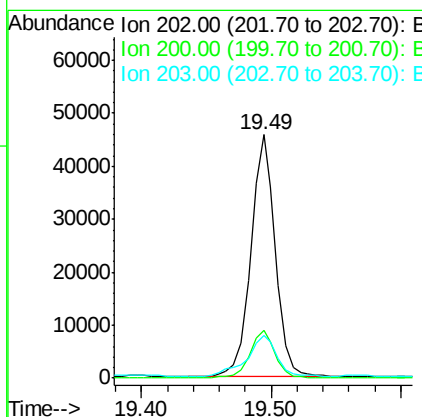
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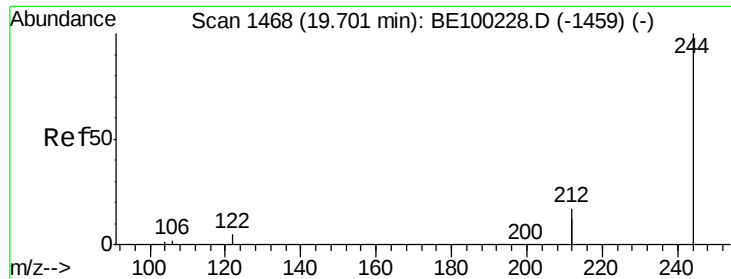
mohammad
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#28
Pyrene
Concen: 2.511 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.9	14.0	21.0





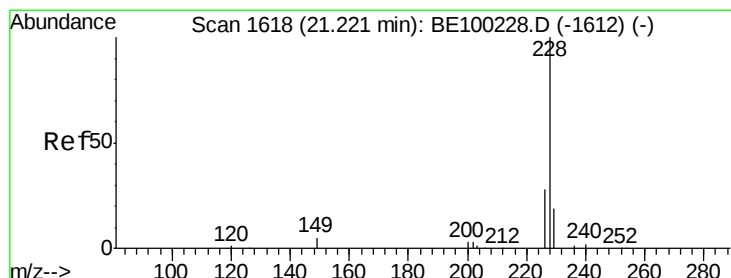
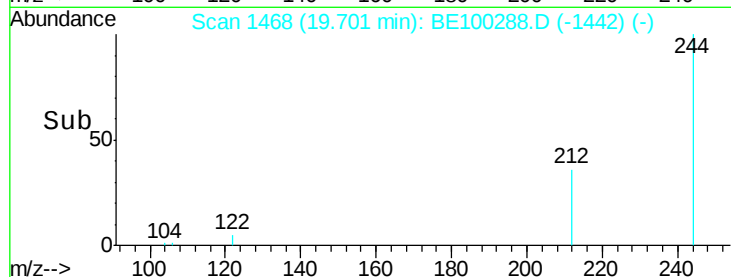
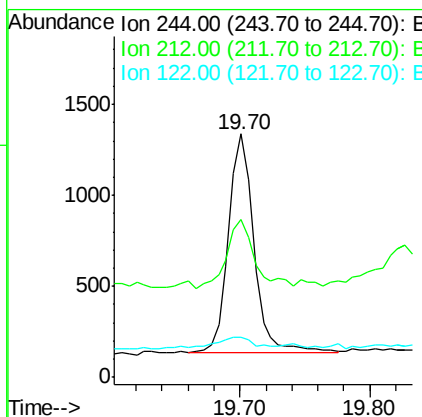
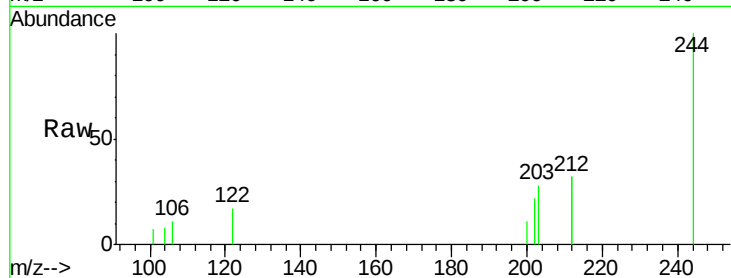
#29
 Terphenyl-d14
 Concen: 0.087 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	64.6	27.3	40.9#
122	16.6	4.7	7.1#

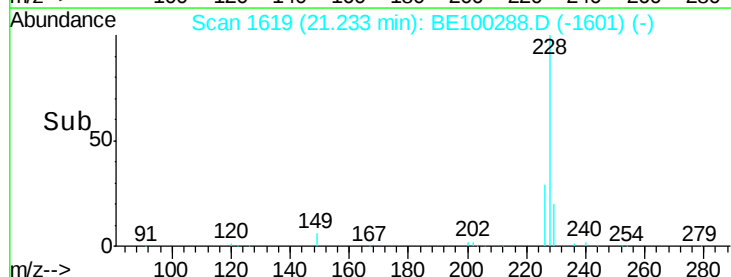
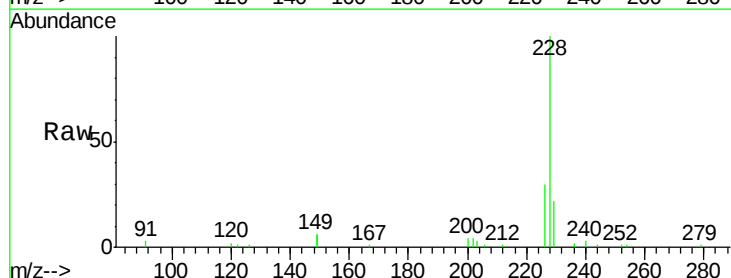
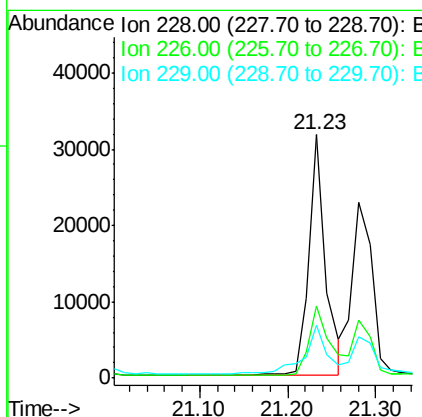
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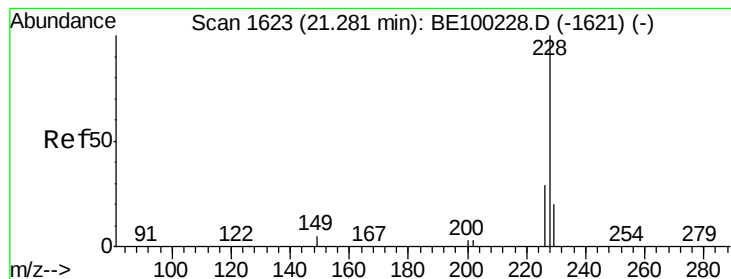
mohammad
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#30
 Benzo(a)anthracene
 Concen: 1.431 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	21.8	15.7	23.5





#31

Chrysene

Concen: 1.195 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Instrument :

BNA_E

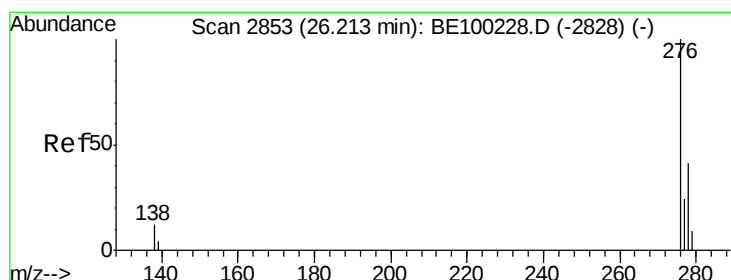
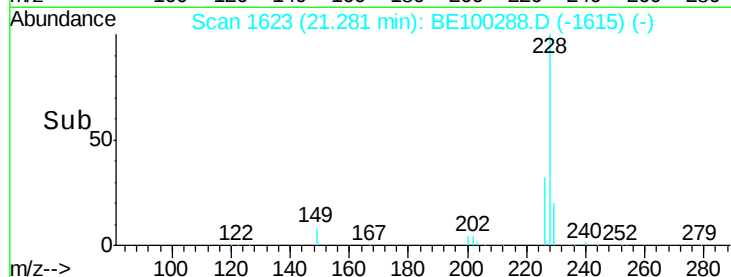
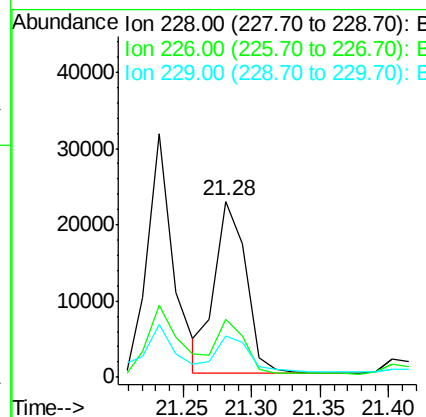
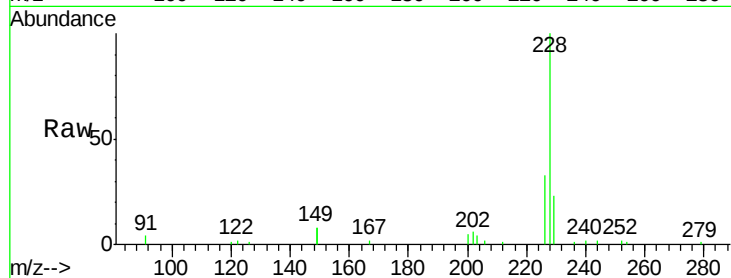
ClientSampleId :

PST-007-SW048-061819DL

Tot Ion:	228	Resp:	35682
Ion Ratio	Lower	Upper	
228	100		
226	32.8	23.9	35.9
229	23.3	16.5	24.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.562 ng

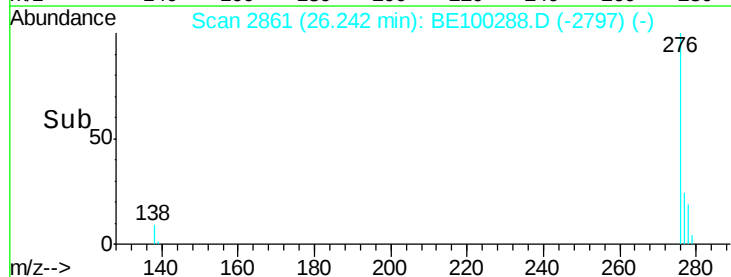
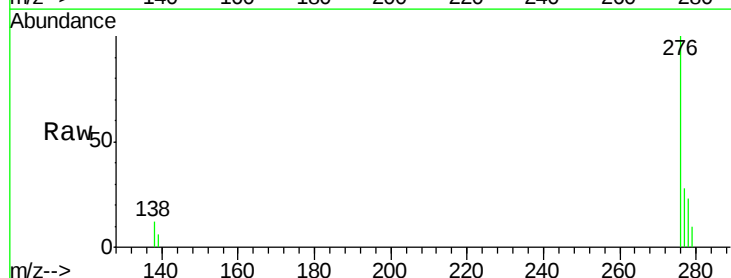
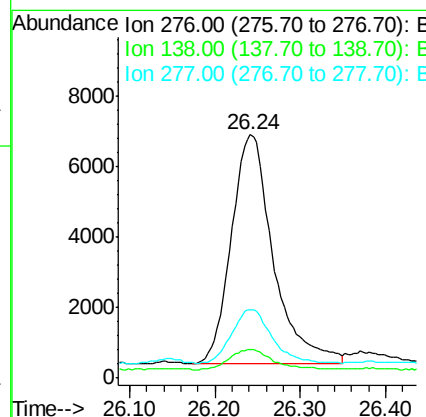
RT: 26.24 min Scan# 2861

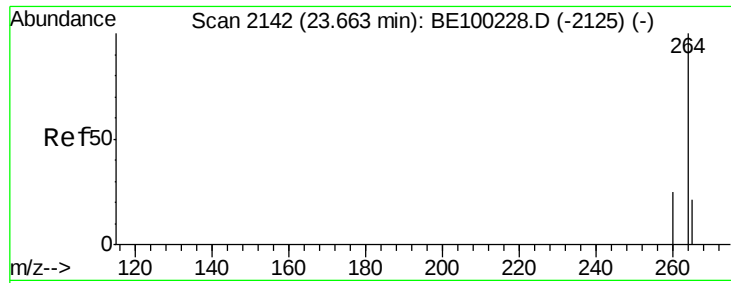
Delta R.T. 0.03 min

Lab File: BE100288.D

Acq: 2 Jul 2019 5:58

Tgt Ion:	276	Resp:	22196
Ion Ratio	Lower	Upper	
276	100		
138	9.3	9.4	14.0#
277	22.8	19.2	28.8





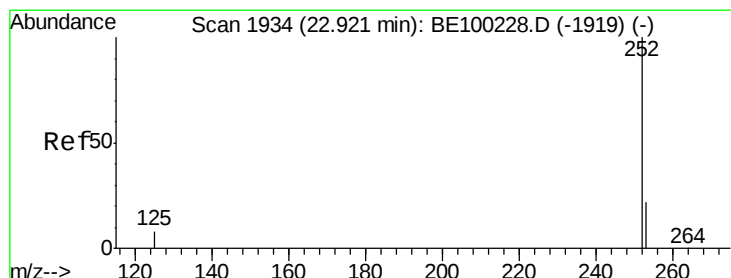
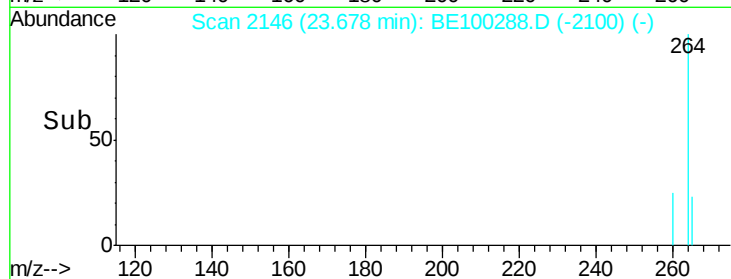
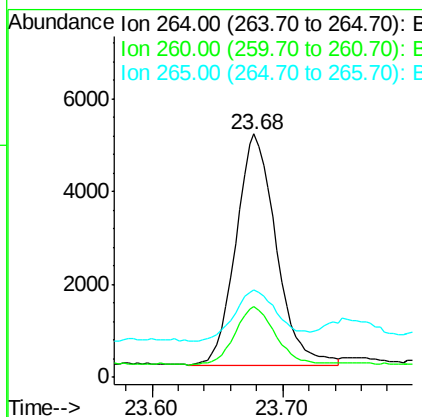
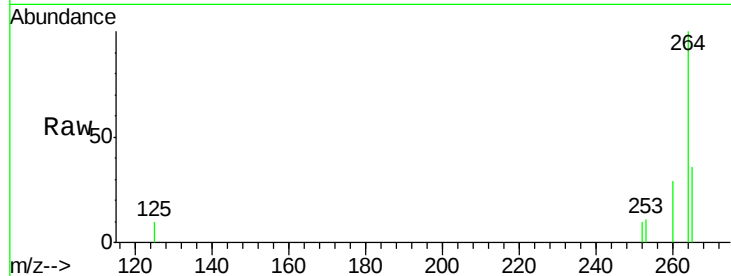
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.02 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.9	20.8	31.2
265	36.1	21.8	32.6

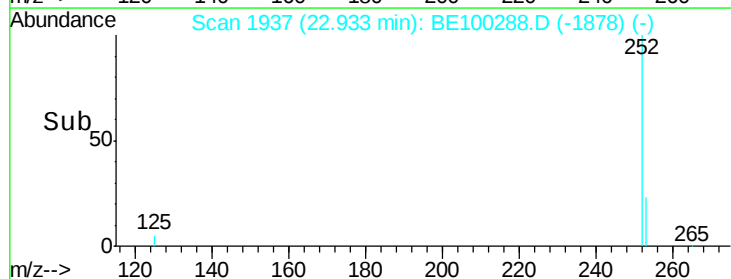
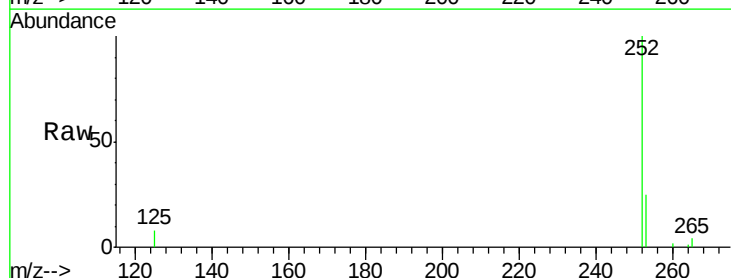
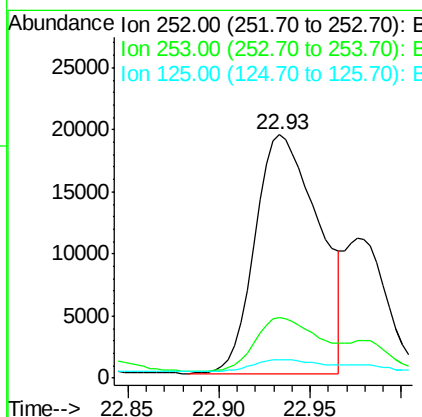
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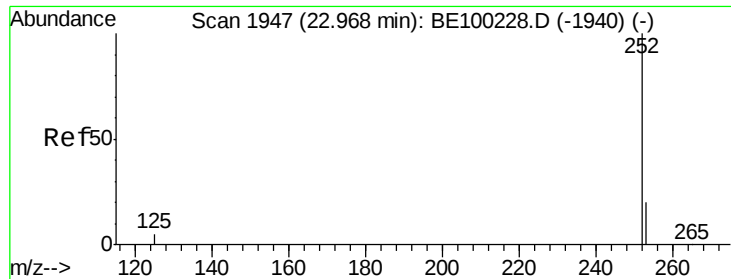
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 1.620 ng
 RT: 22.93 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: BE100288.D
 Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.2	28.8
125	7.6	7.4	11.0





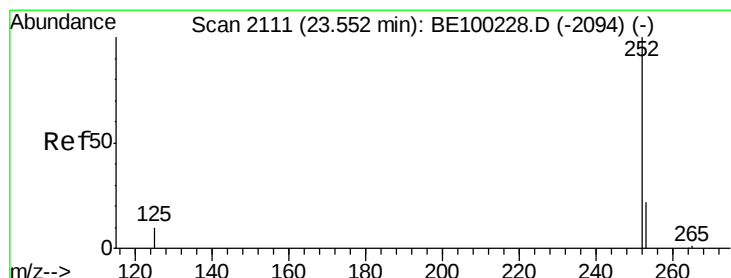
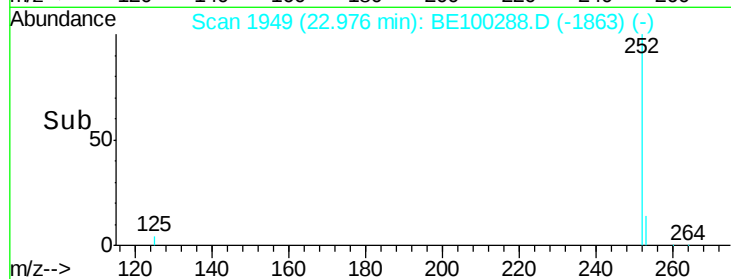
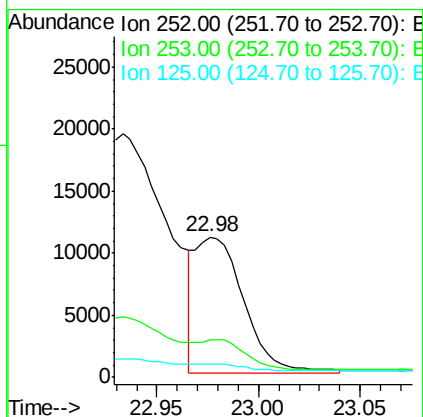
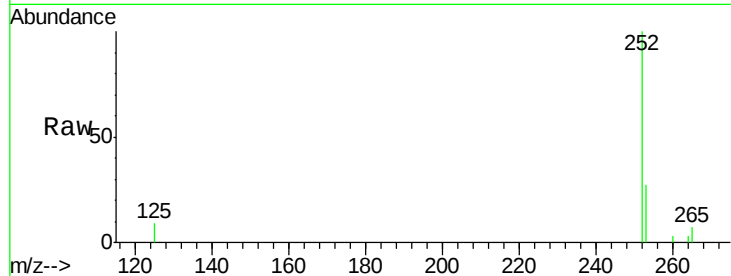
#36
Benzo(k)fluoranthene
Concen: 0.568 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	9.2	5.0	7.4#

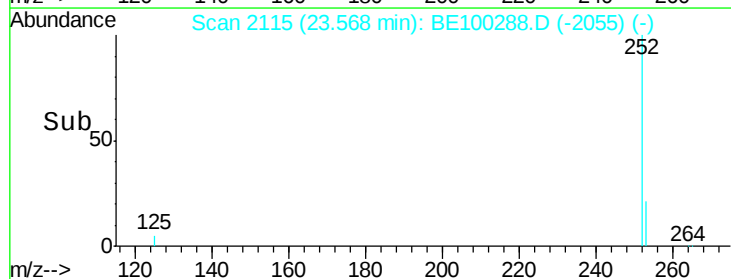
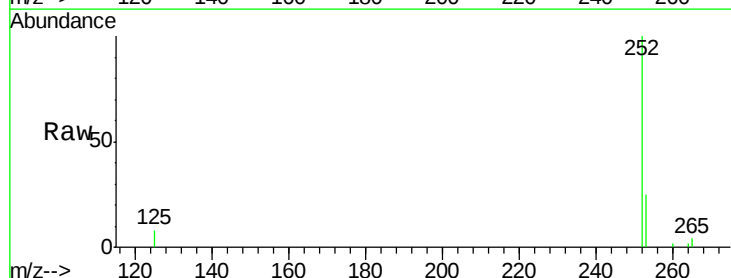
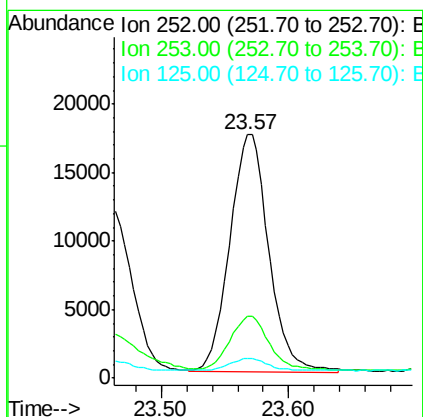
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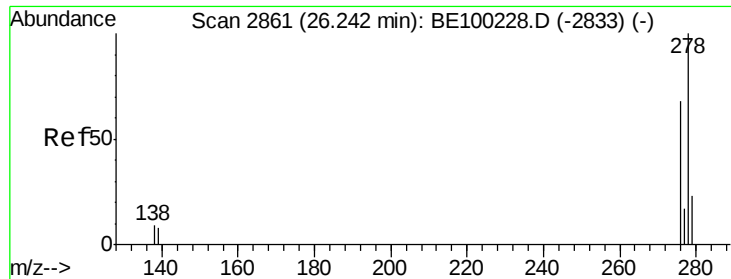
mohammad
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#37
Benzo(a)pyrene
Concen: 1.282 ng m
RT: 23.57 min Scan# 2115
Delta R.T. 0.02 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.6	29.4
125	8.1	9.0	13.6#





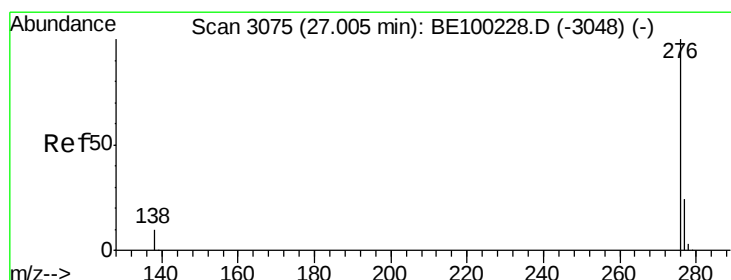
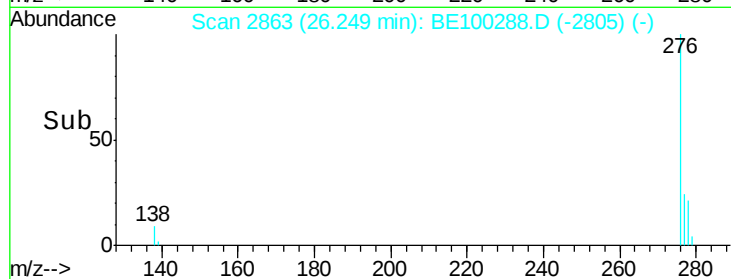
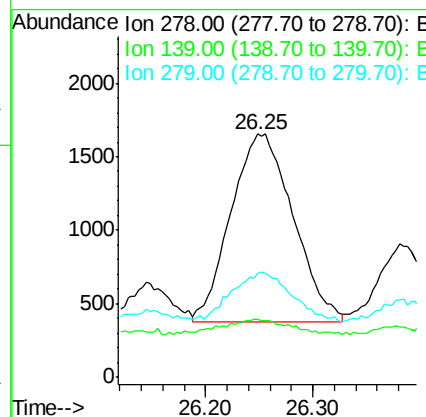
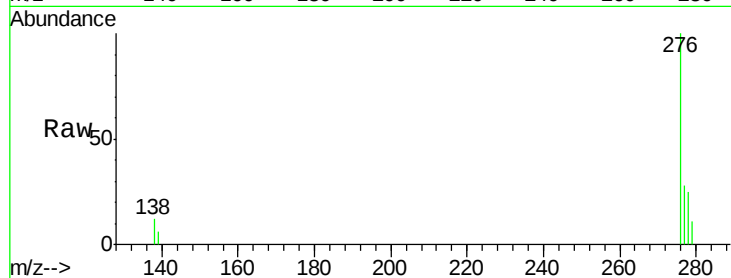
#38
Dibenzo(a,h)anthracene
Concen: 0.171 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.9	8.2	12.2#
279	42.7	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.689 ng
RT: 27.04 min Scan# 3084
Delta R.T. 0.03 min
Lab File: BE100288.D
Acq: 2 Jul 2019 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	20.2	30.2
138	12.9	9.0	13.6

