

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100318.D
 Acq On : 3 Jul 2019 00:40
 Operator : JU/SJ
 Sample : K3505-04DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-B039-062019DL

Manual Integrations
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mohammad
 7/3/2019 10:49:31 PM

Quant Time: Jul 03 04:08:59 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	983	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3361	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2577	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	7168	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9195	0.40	ng	0.00
34) Perylene-d12	23.68	264	10874	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	287	0.11	ng	0.01
5) Phenol-d6	6.84	99	396	0.12	ng	0.00
8) Nitrobenzene-d5	8.82	82	331	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	712	0.11	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	215	0.12	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	1022	0.10	ng	0.00
25) Fluoranthene-d10	19.10	212	9083	0.09	ng	0.00
29) Terphenyl-d14	19.70	244	2013	0.11	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.49	128	4005	0.108	ng	# 97
12) 2-Methylnaphthalene	12.12	142	612	0.094	ng	95
16) Acenaphthylene	14.04	152	3818	0.309	ng	98
17) Acenaphthene	14.39	154	1205	0.172	ng	93
18) Fluorene	15.35	166	2798	0.270	ng	# 92
23) Phenanthrene	17.11	178	60453	3.480	ng	100
24) Anthracene	17.20	178	7704	0.492	ng	# 95
26) Fluoranthene	19.13	202	108789	3.931	ng	99
28) Pyrene	19.49	202	113488	4.662	ng	96
30) Benzo(a)anthracene	21.23	228	70433	2.330	ng	98
31) Chrysene	21.28	228	63052	2.077	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	14269	0.276	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.24	276	38416	0.957	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	74415	2.524	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	25335m	0.770	ng	
37) Benzo(a)pyrene	23.57	252	54886	1.858	ng	# 95
38) Dibenzo(a,h)anthracene	26.25	278	10210	0.331	ng	# 84
39) Benzo(a,h,i)perylene	27.02	276	39598	1.249	ng	99

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

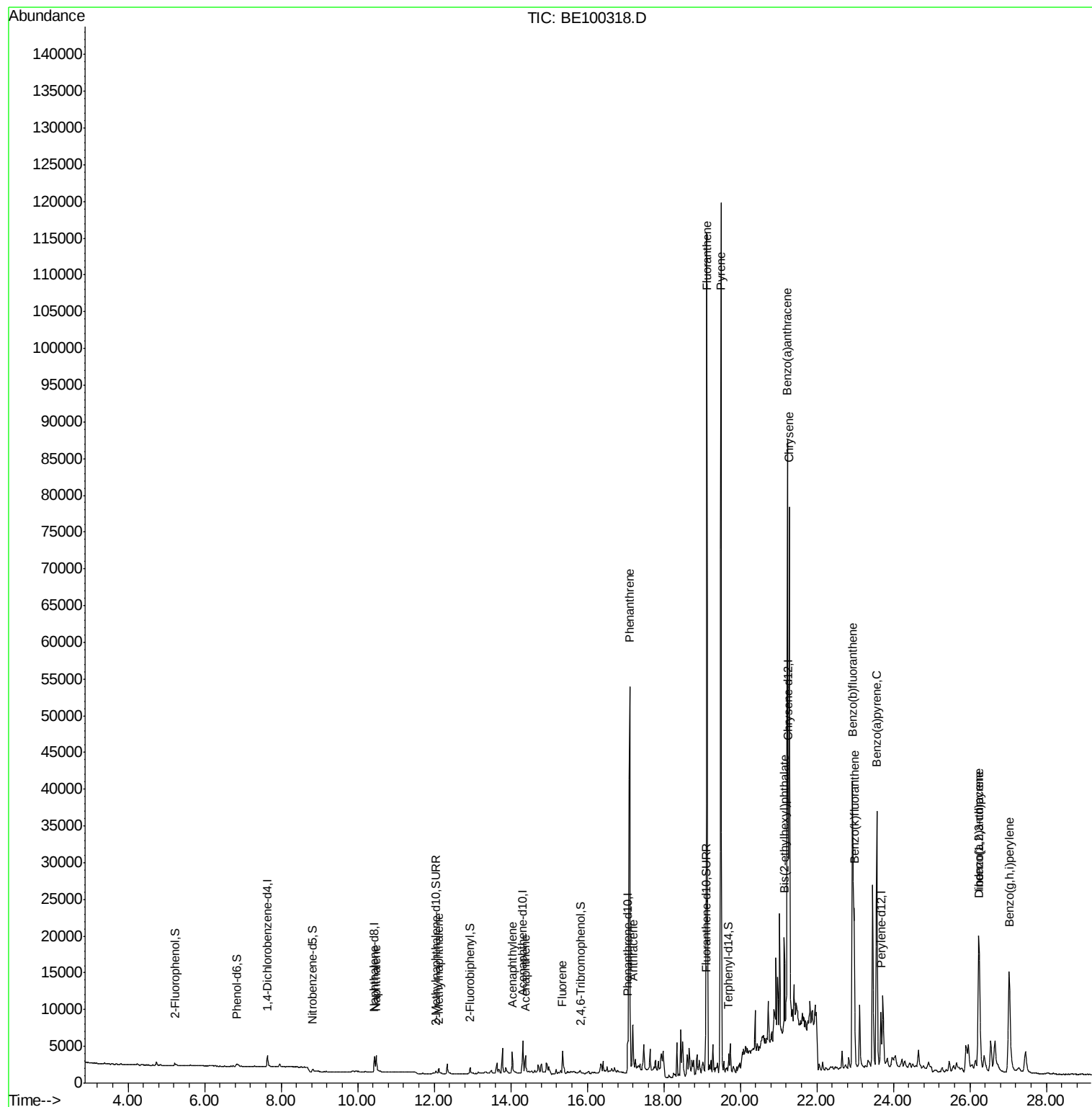
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
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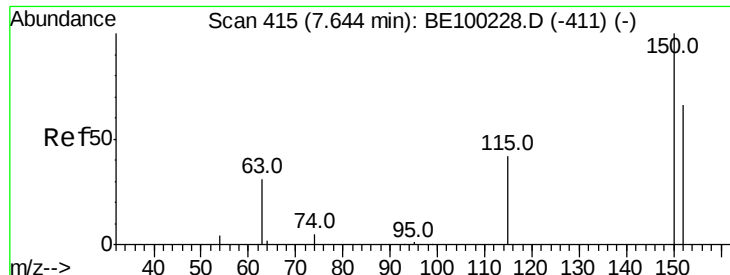
Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

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Quant Time: Jul 03 04:08:59 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

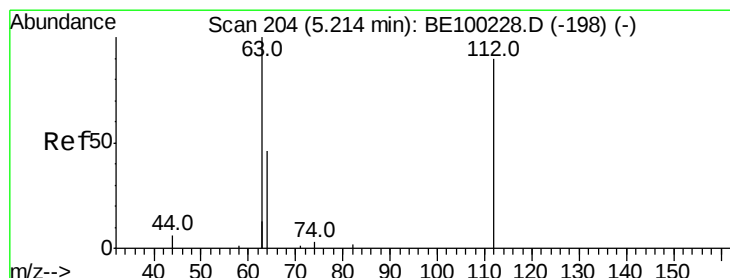
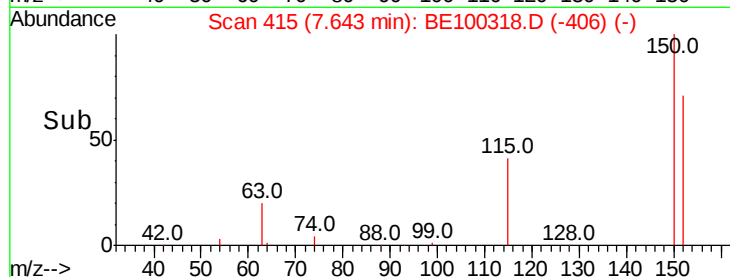
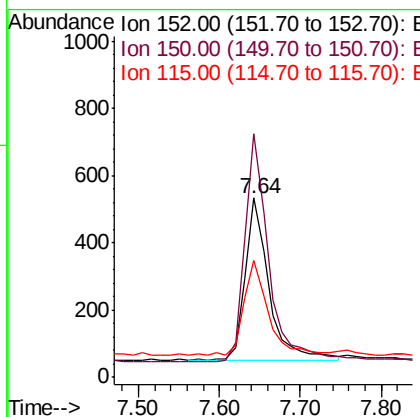
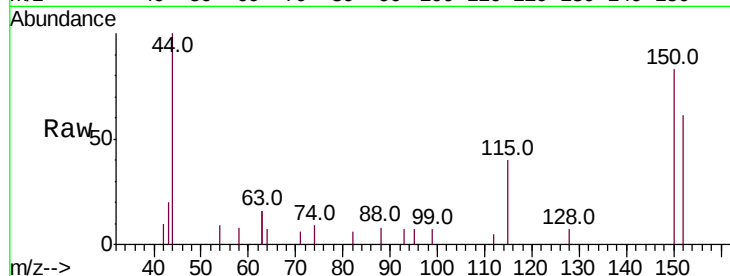
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:	152	Resp:	983
Ion	Ratio	Lower	Upper
152	100		
150	135.6	114.5	171.7
115	64.8	57.1	85.7

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#4

2-Fluorophenol

Concen: 0.114 ng

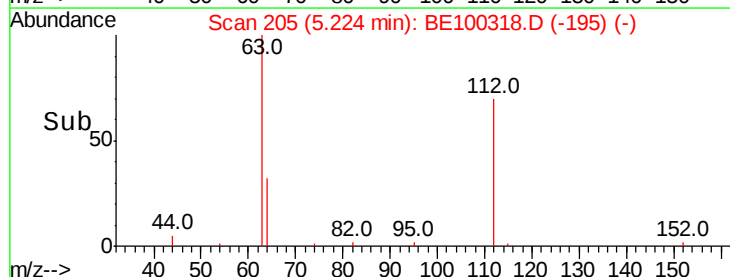
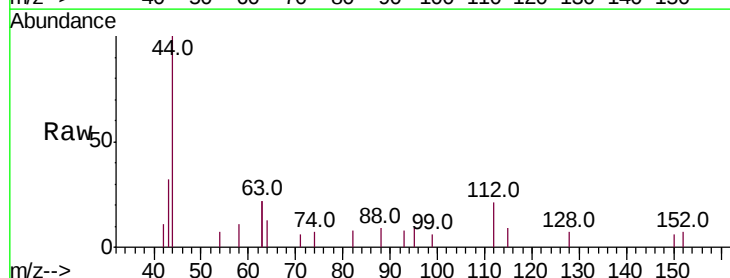
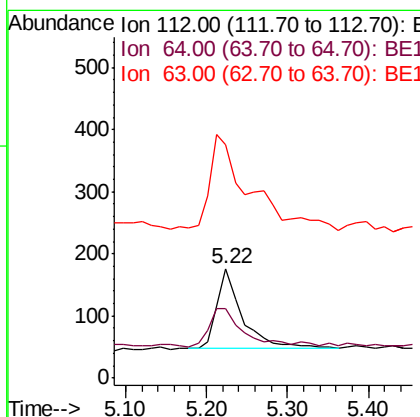
RT: 5.22 min Scan# 205

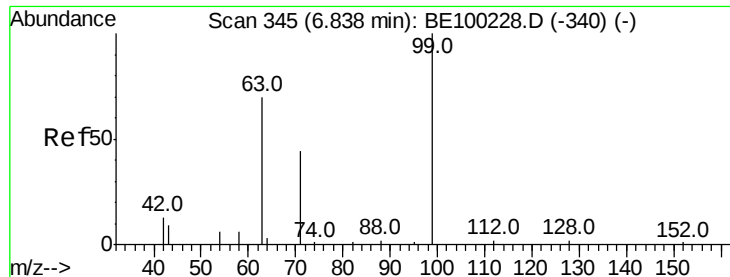
Delta R.T. 0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	112	Resp:	287
Ion	Ratio	Lower	Upper
112	100		
64	62.7	39.4	59.0#
63	162.4	104.5	156.7#





#5

Phenol-d6

Concen: 0.120 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

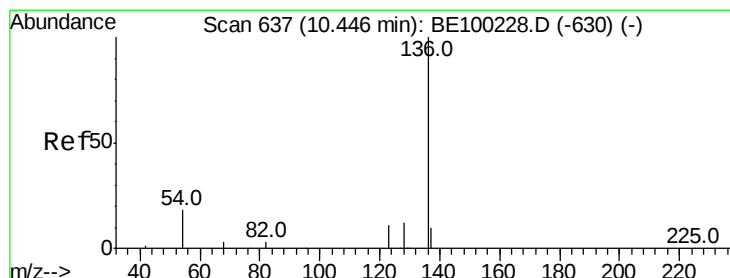
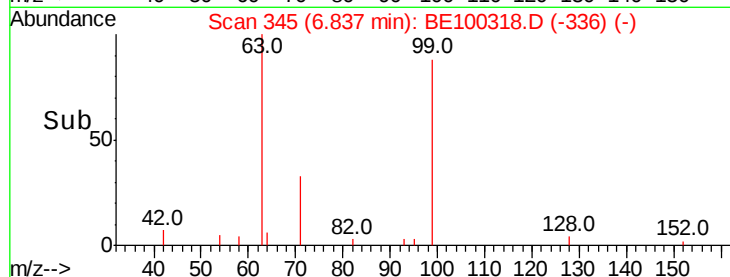
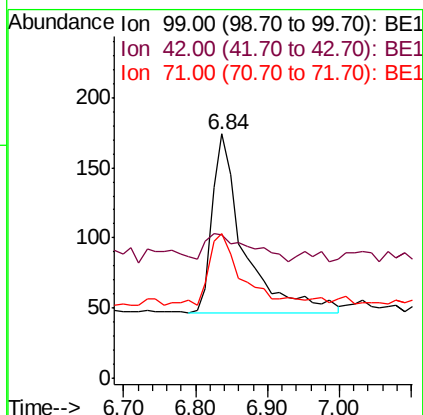
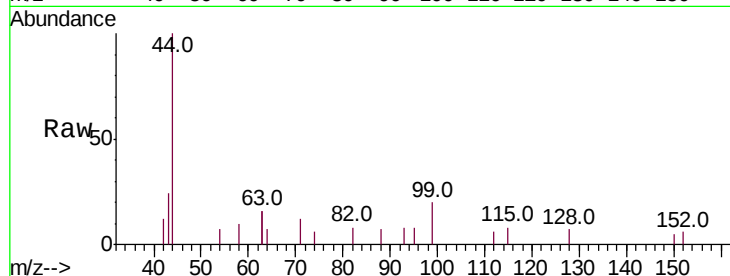
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:	99	Resp:	396
Ion	Ratio	Lower	Upper
99	100		
42	21.2	11.2	16.8#
71	38.9	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

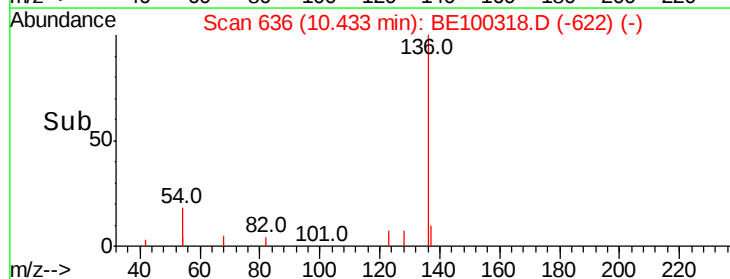
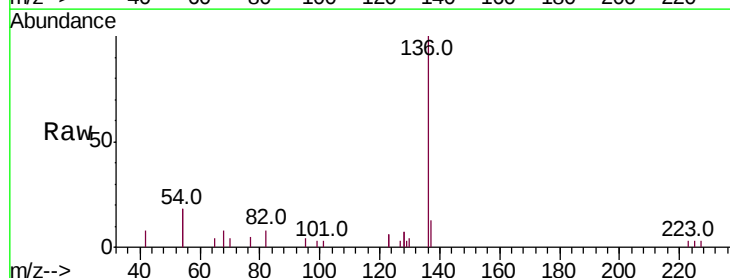
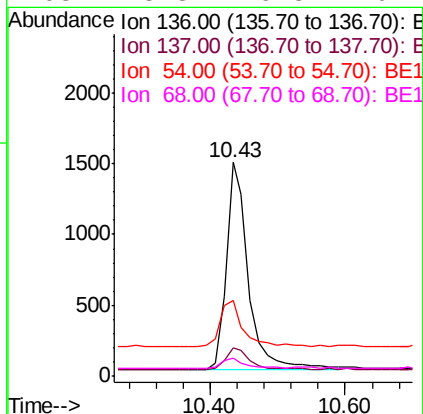
RT: 10.43 min Scan# 636

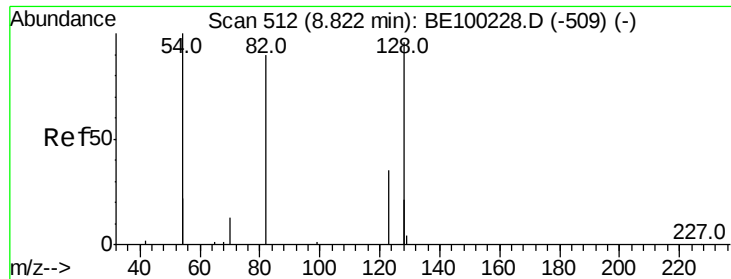
Delta R.T. -0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	136	Resp:	3361
Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.8	17.8
54	35.4	27.7	41.5
68	8.3	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.099 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

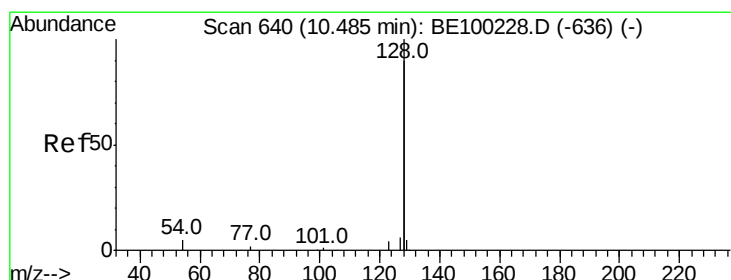
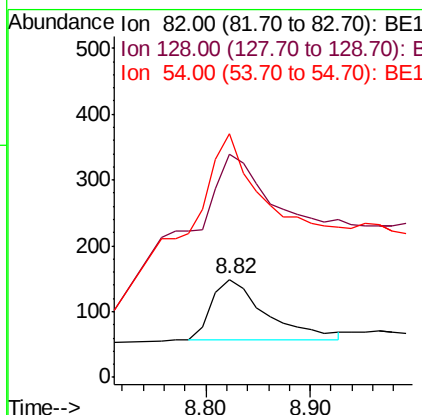
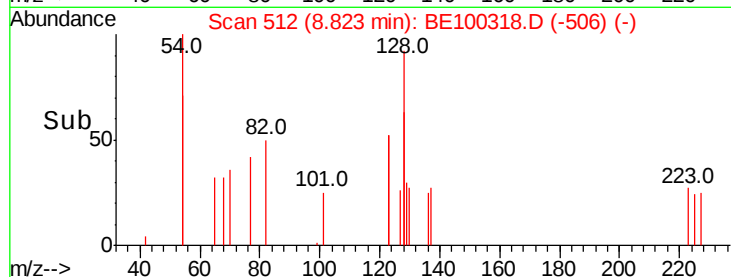
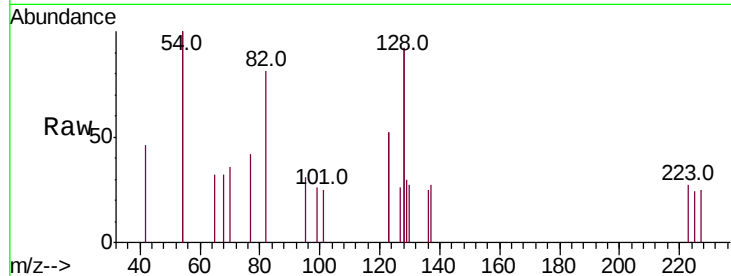
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:	82	Resp:	331
Ion	Ratio	Lower	Upper
82	100		
128	228.2	140.9	211.3#
54	248.3	146.2	219.2#

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#9

Naphthalene

Concen: 0.108 ng

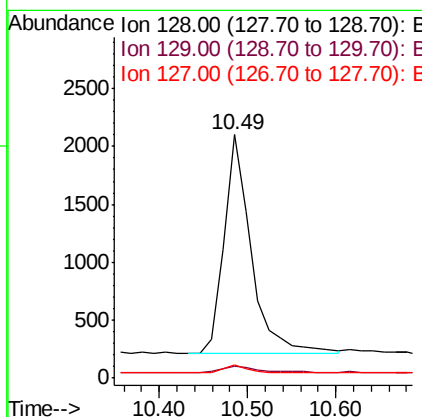
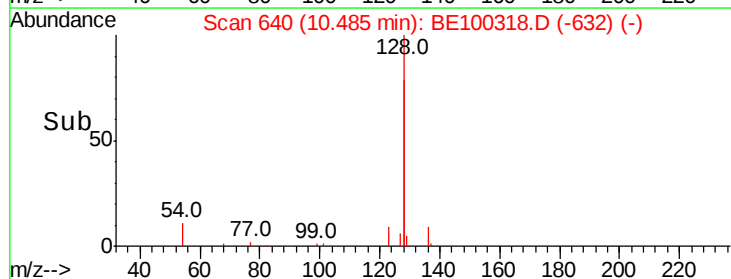
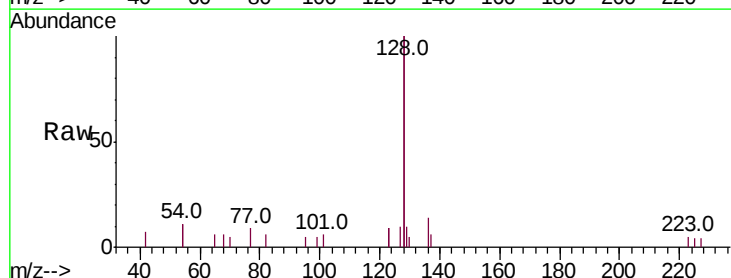
RT: 10.49 min Scan# 640

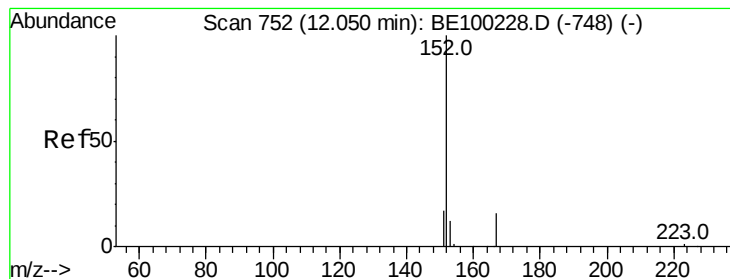
Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	128	Resp:	4005
Ion	Ratio	Lower	Upper
128	100		
129	5.0	3.0	4.6#
127	5.2	3.5	5.3





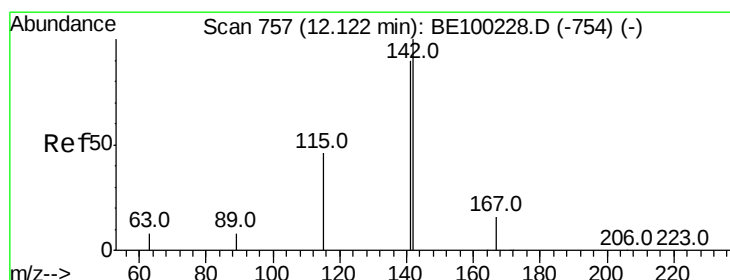
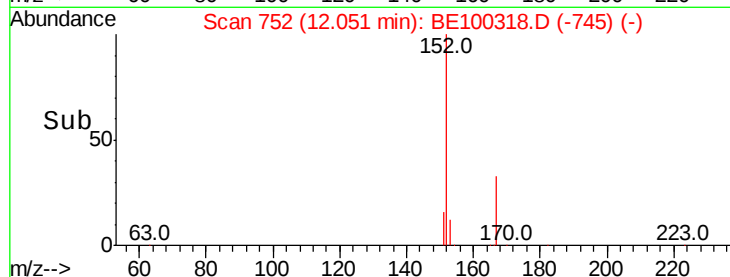
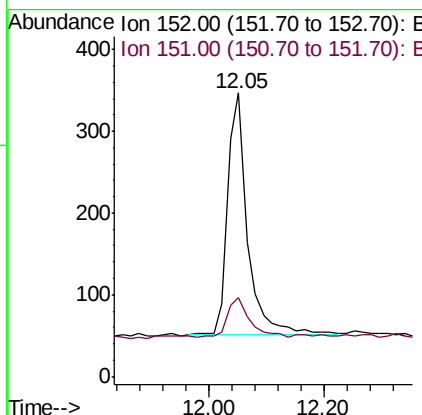
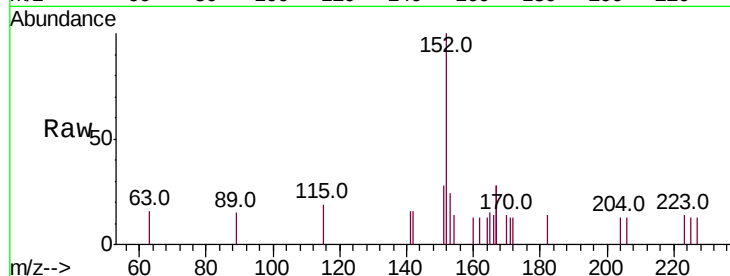
#11
2-Methylnaphthalene-d10
Concen: 0.113 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion:152 Resp: 712
Ion Ratio Lower Upper
152 100
151 18.3 15.1 22.7

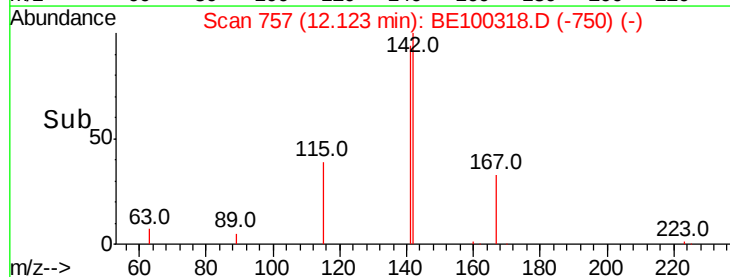
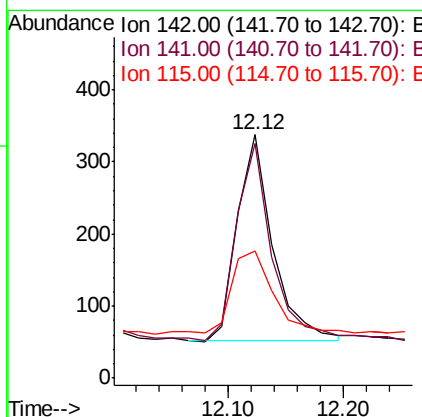
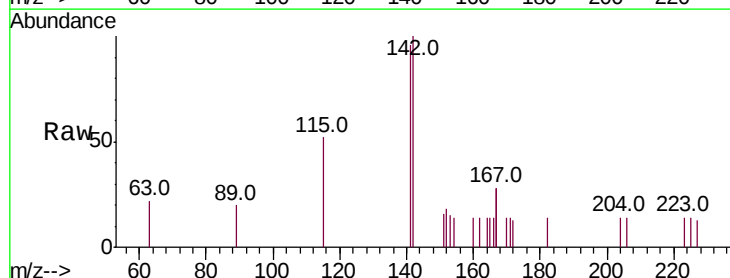
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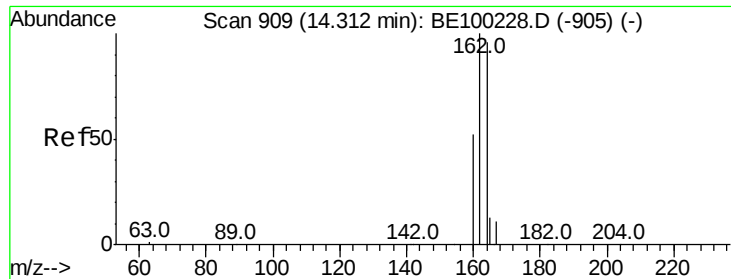
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#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion:142 Resp: 612
Ion Ratio Lower Upper
142 100
141 96.2 72.4 108.6
115 52.1 40.4 60.6





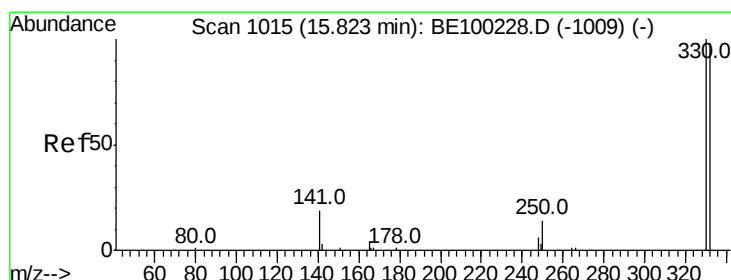
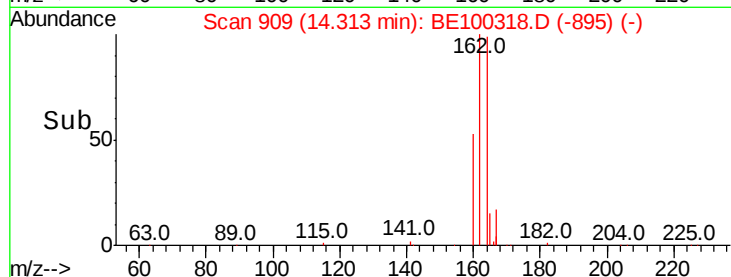
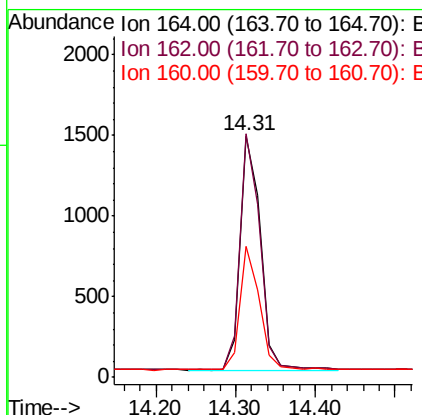
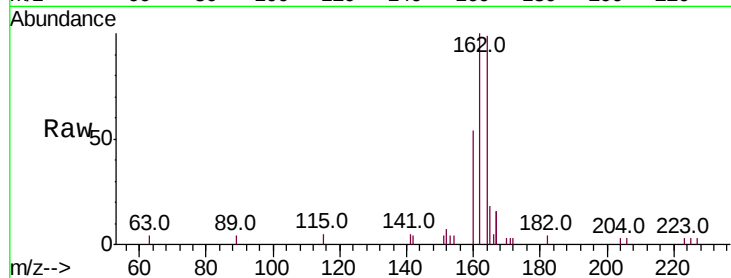
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.4	125.0
160	54.6	45.0	67.6

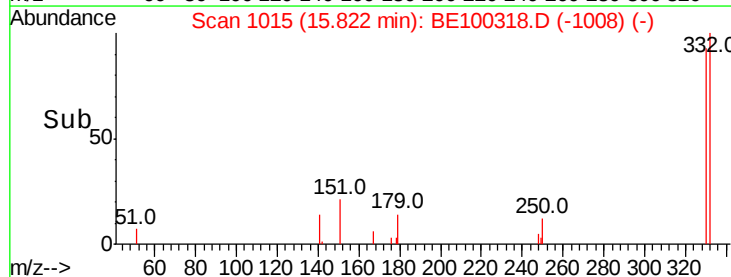
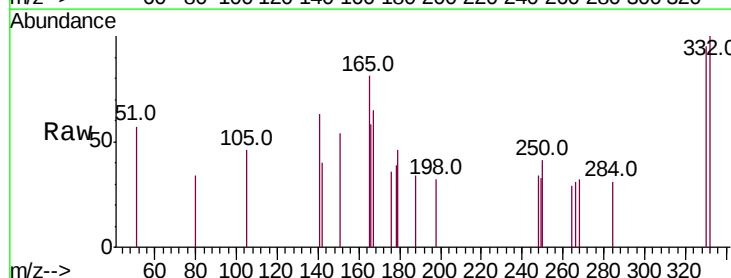
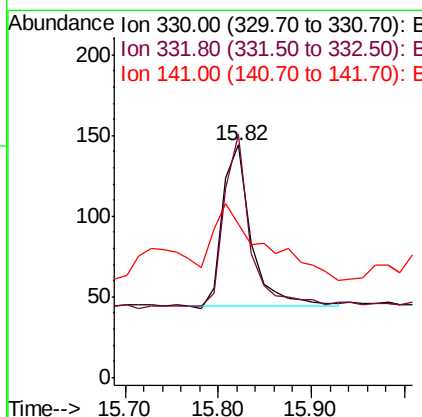
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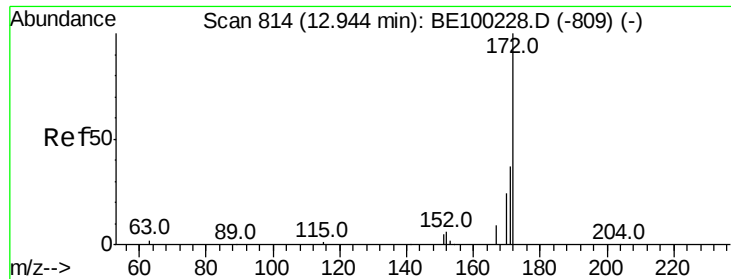
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#14
2,4,6-Tribromophenol
Concen: 0.119 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	83.7	22.0	33.0#





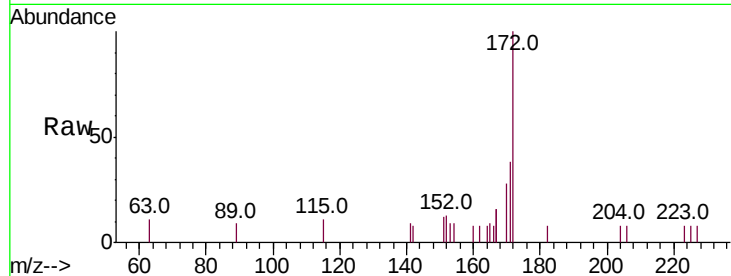
#15
2-Fluorobiphenyl
Concen: 0.102 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.9	47.9
170	28.1	22.2	33.2

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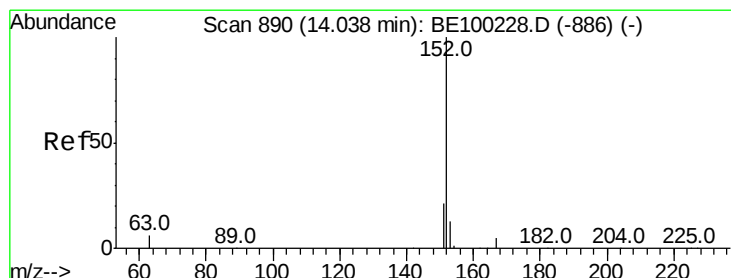
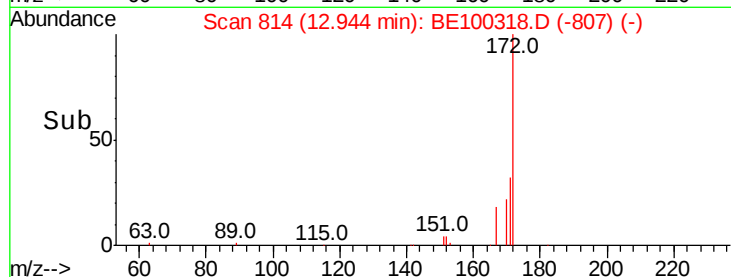
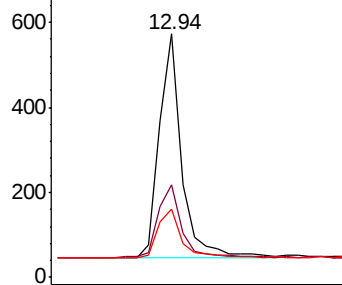


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.309 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

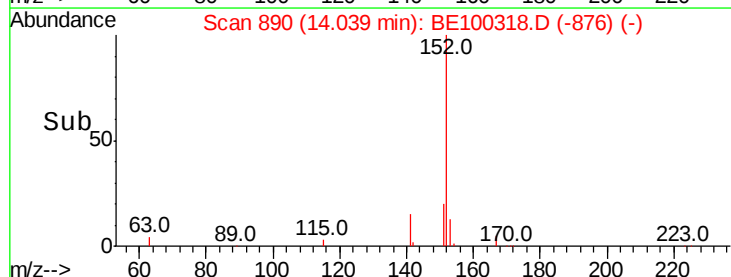
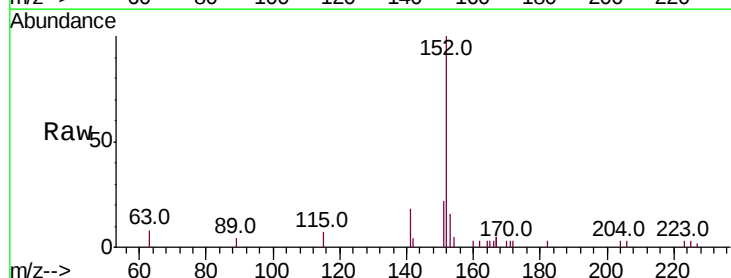
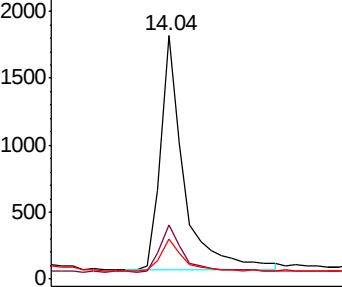
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0
153	13.9	10.5	15.7

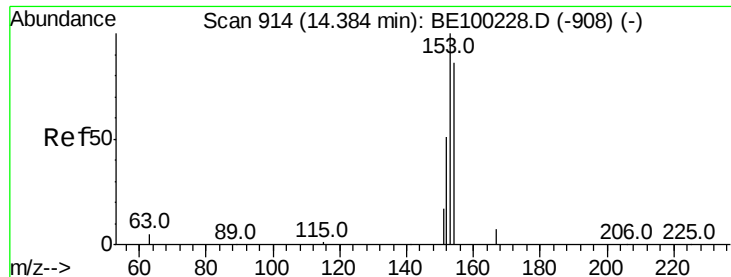
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





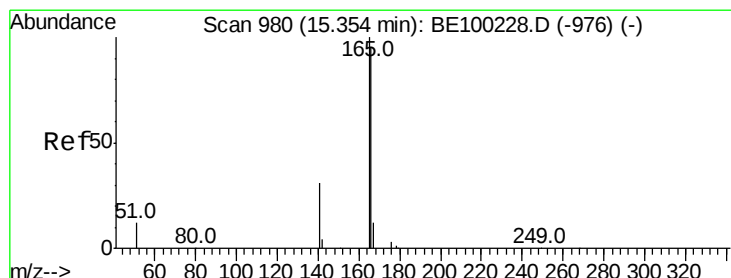
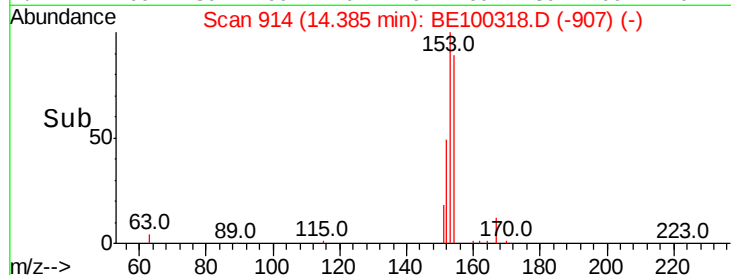
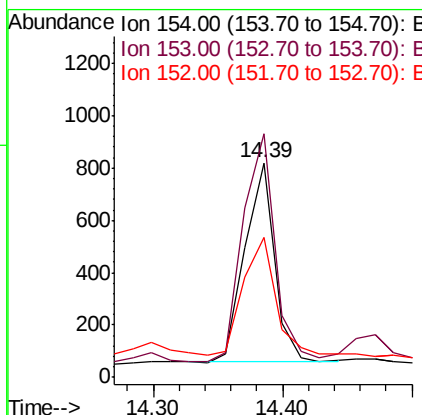
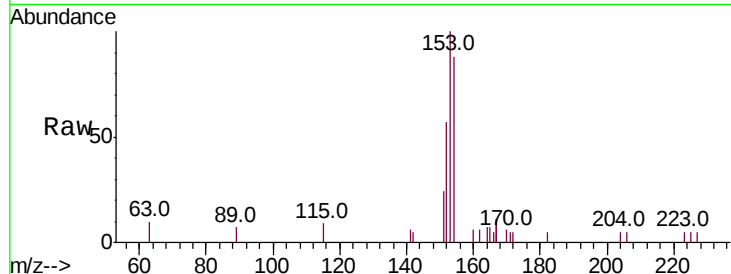
#17
Acenaphthene
Concen: 0.172 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	124.5	93.4	140.2
152	66.8	49.4	74.2

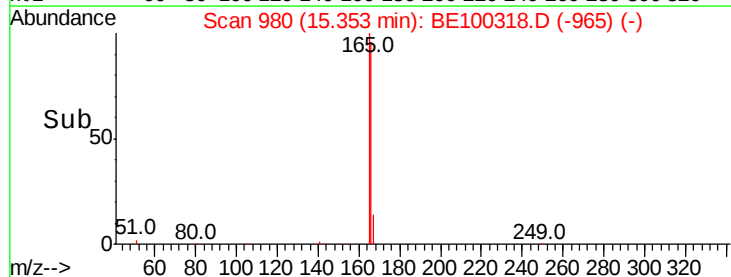
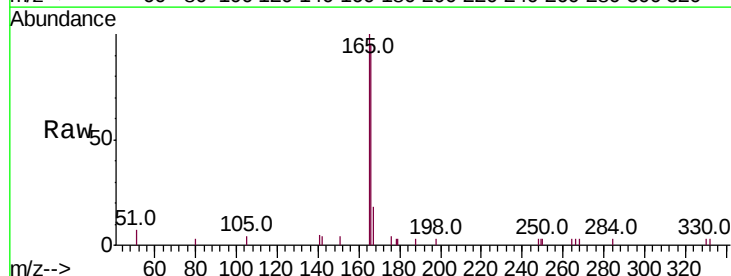
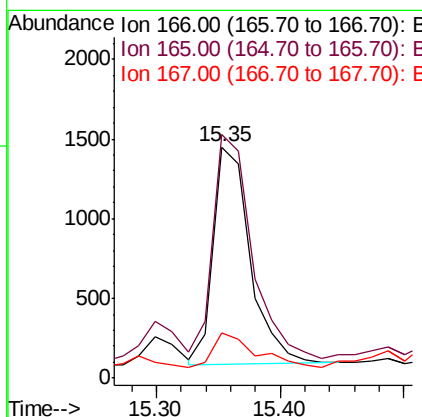
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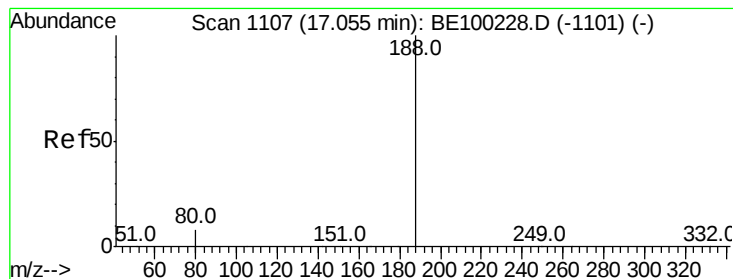
mohammad
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#18
Fluorene
Concen: 0.270 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.8	81.1	121.7
167	18.2	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

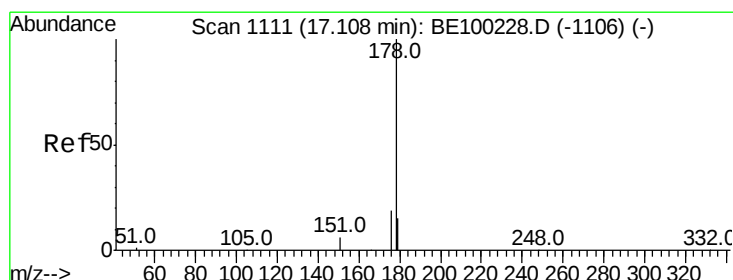
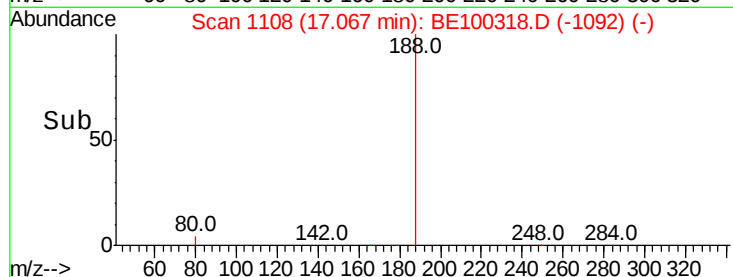
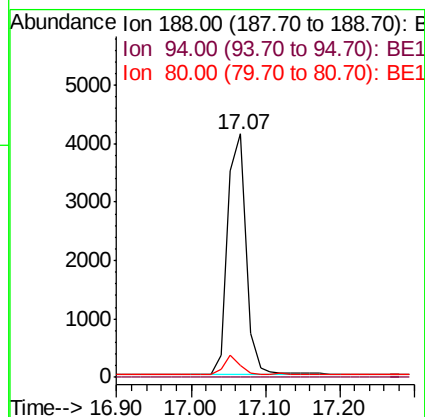
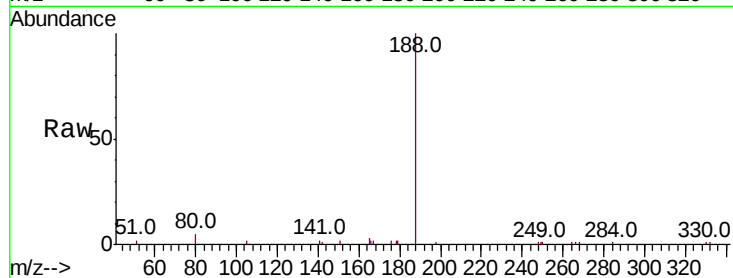
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:	188	Resp:	7168
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	4.8	7.6	11.4#

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#23

Phenanthrene

Concen: 3.480 ng

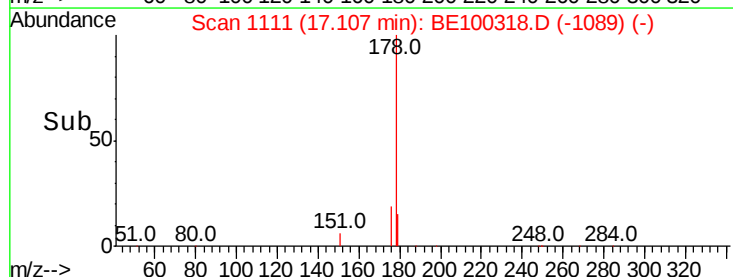
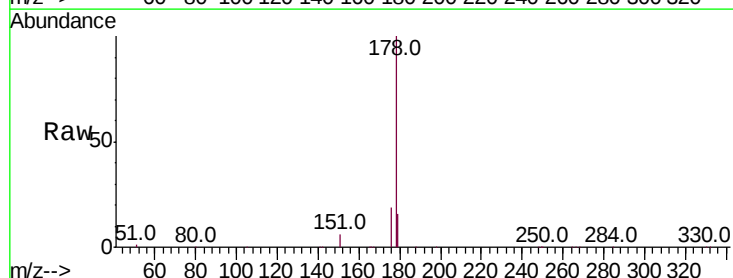
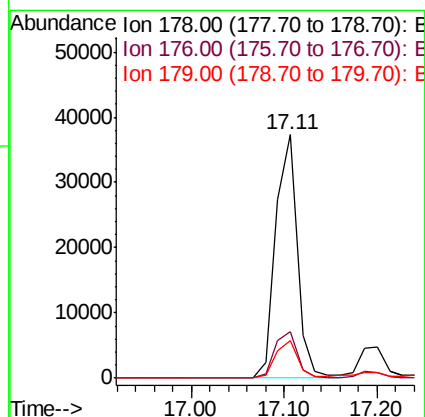
RT: 17.11 min Scan# 1111

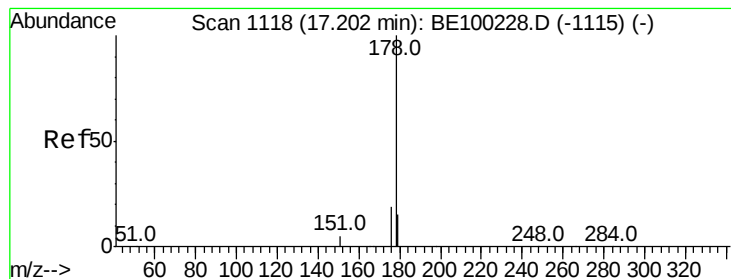
Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	178	Resp:	60453
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	15.4	12.2	18.2





#24

Anthracene

Concen: 0.492 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

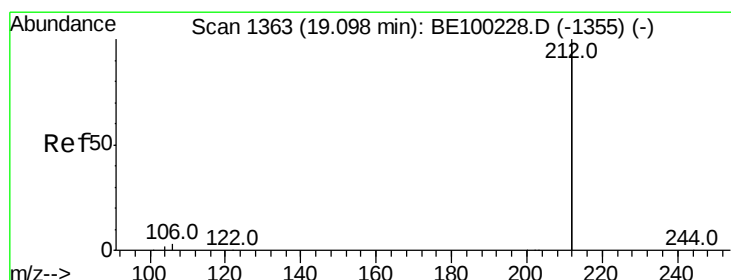
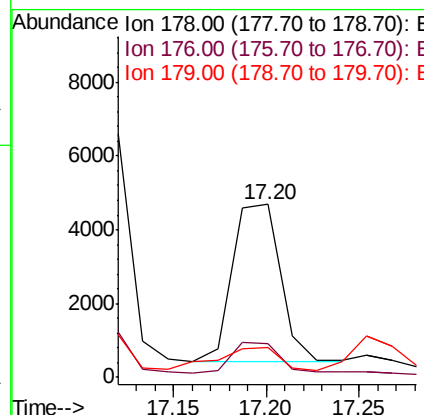
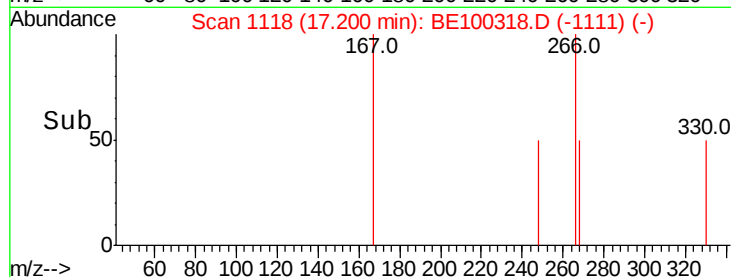
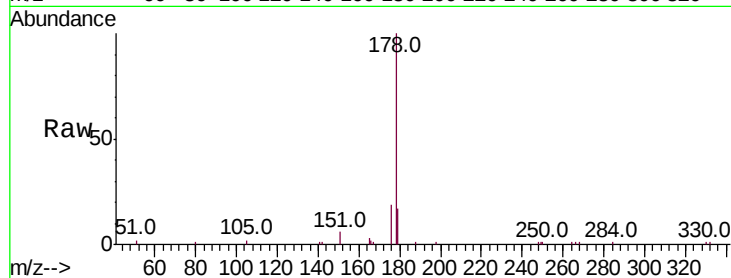
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:178	Resp:	7704
Ion Ratio	Lower	Upper
178	100	
176	20.4	15.3 22.9
179	18.3	12.2 18.2#

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#25

Fluoranthene-d10

Concen: 0.087 ng

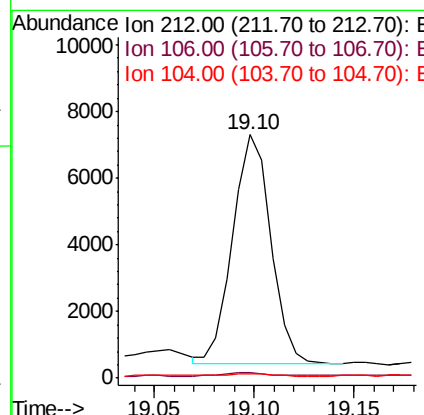
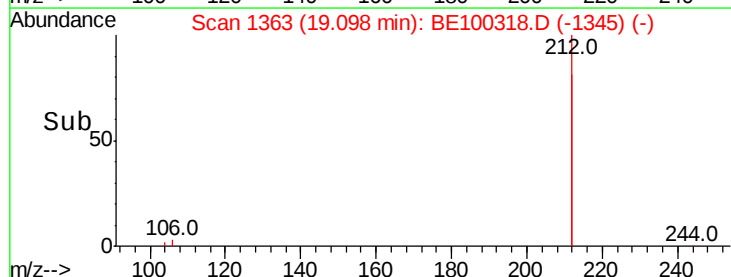
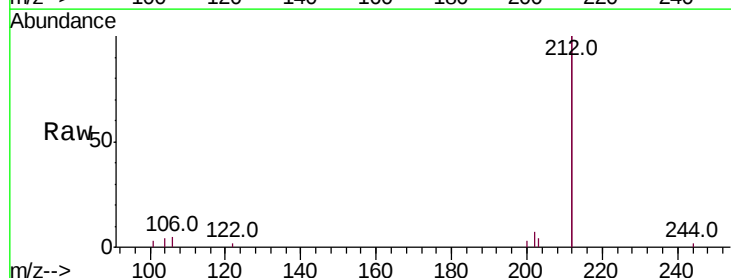
RT: 19.10 min Scan# 1363

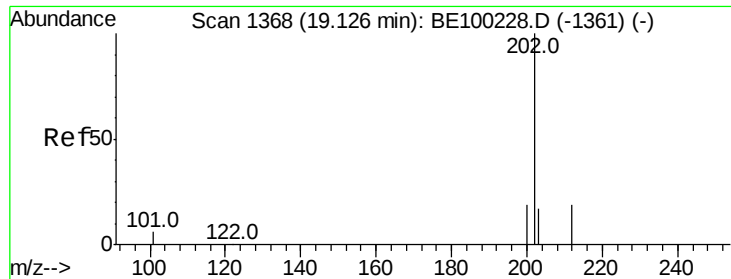
Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:212	Resp:	9083
Ion Ratio	Lower	Upper
212	100	
106	1.7	1.3 1.9
104	0.9	0.8 1.2





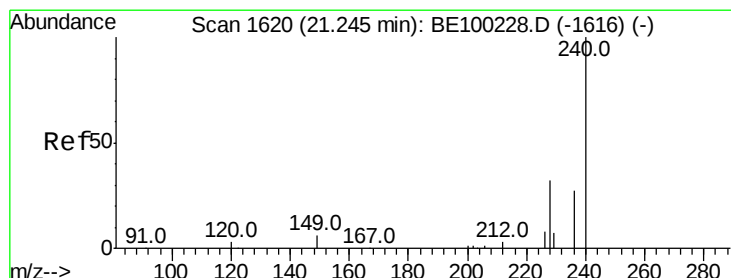
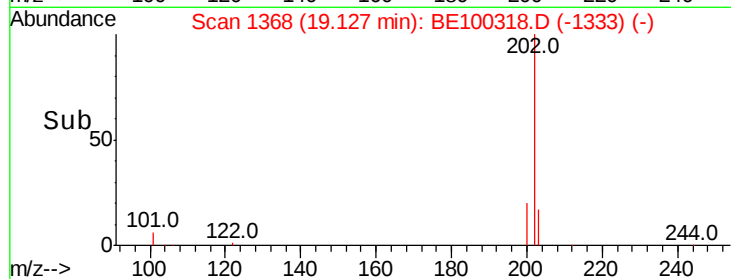
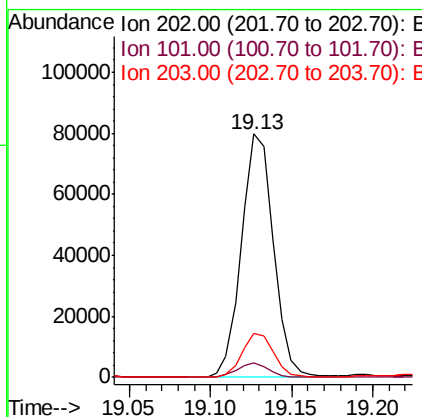
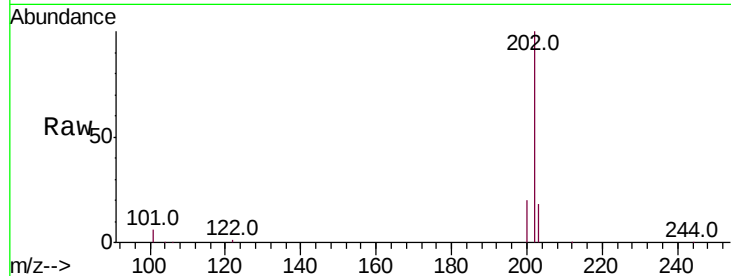
#26
 Fluoranthene
 Concen: 3.931 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.6	13.7	20.5

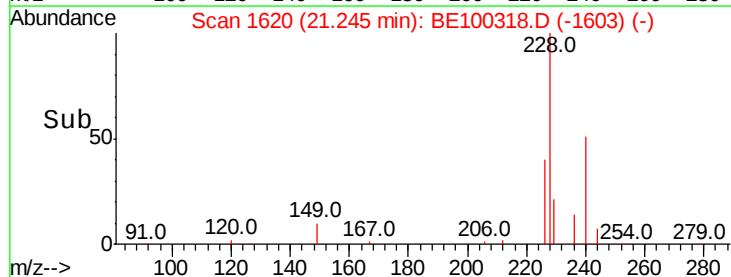
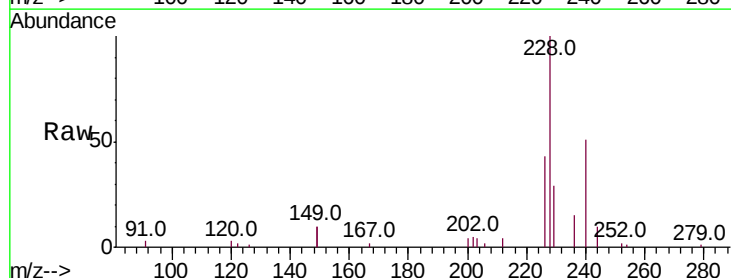
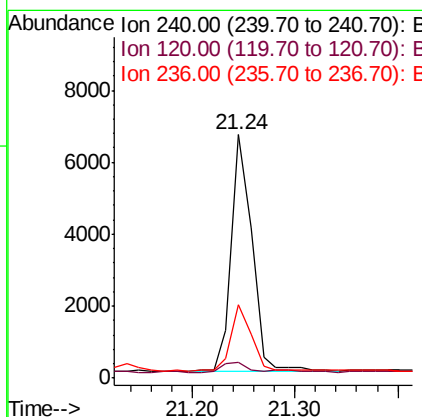
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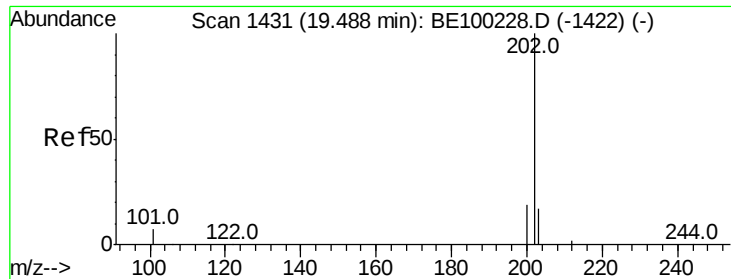
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	3.3	4.9#
236	30.3	22.6	34.0





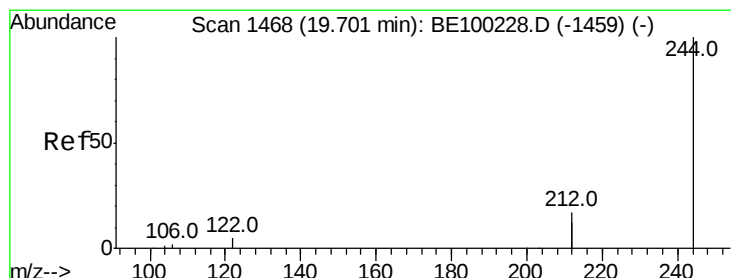
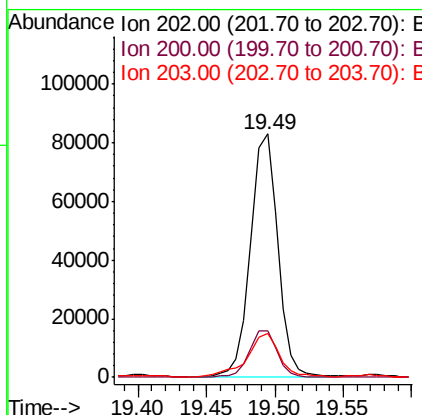
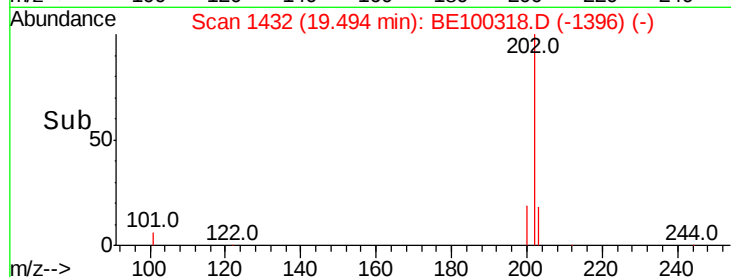
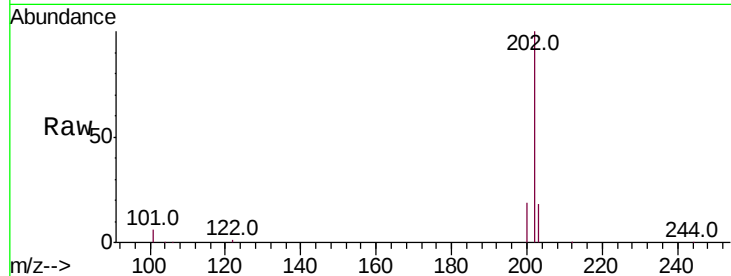
#28
Pvrene
Concen: 4.662 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.6	14.0	21.0

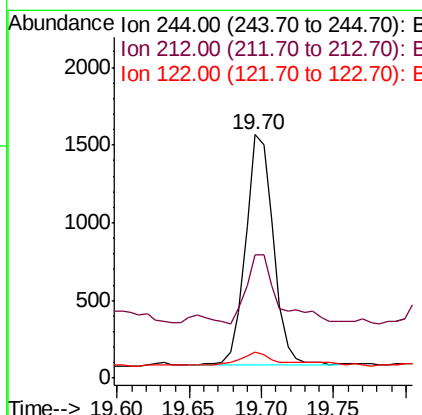
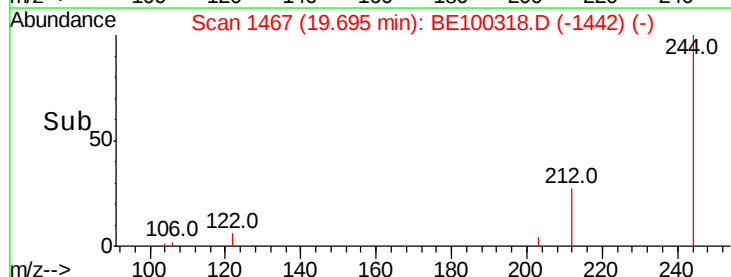
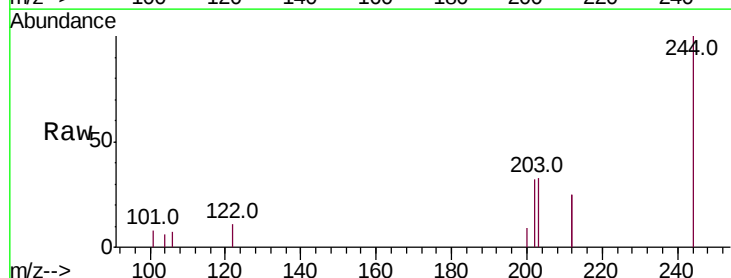
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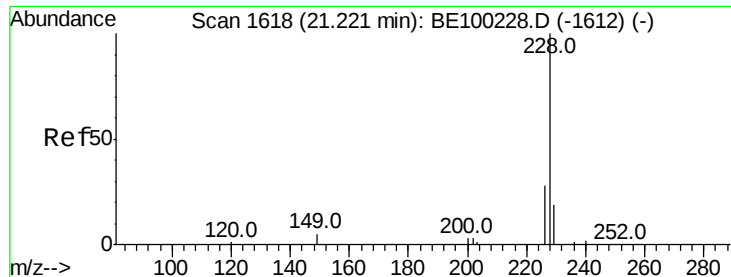
mohammad
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#29
Terphenyl-d14
Concen: 0.106 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	50.5	27.3	40.9#
122	10.7	4.7	7.1#





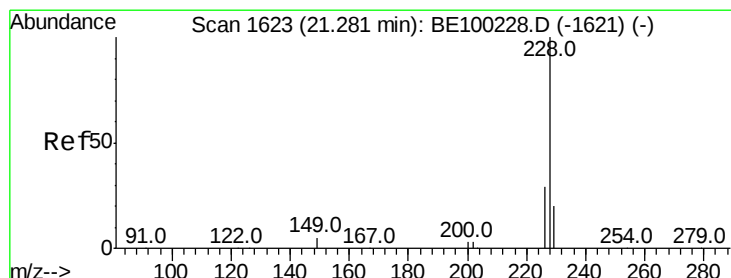
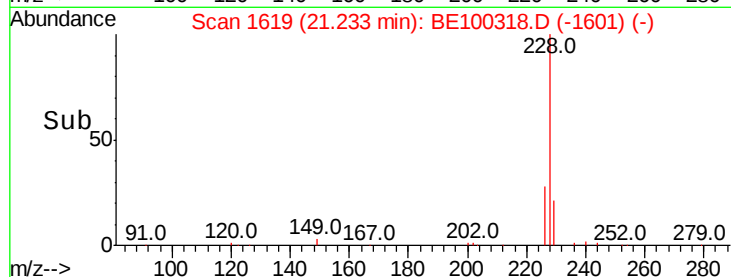
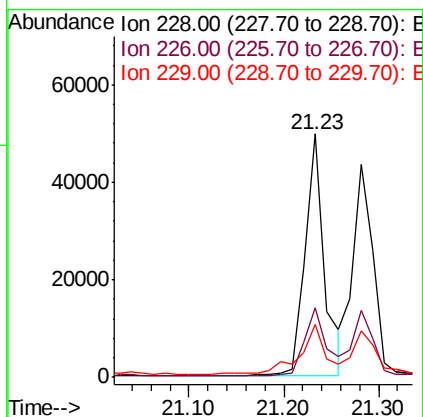
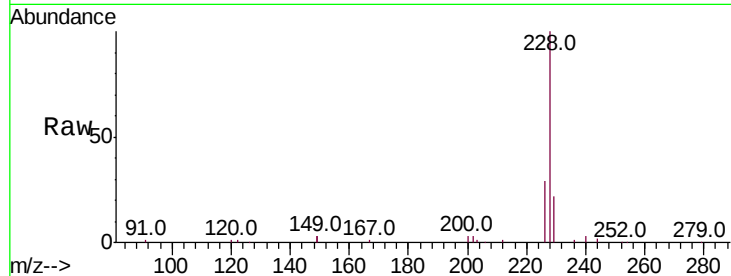
#30
Benzo(a)anthracene
Concen: 2.330 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.2	34.8
229	21.9	15.7	23.5

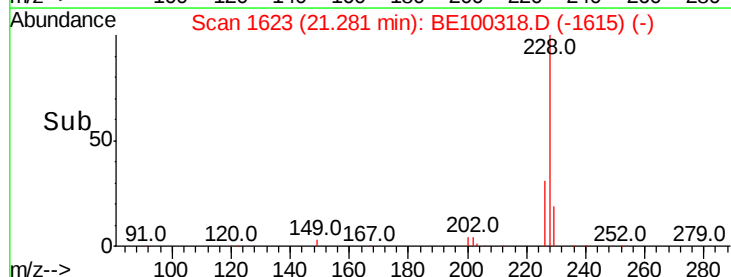
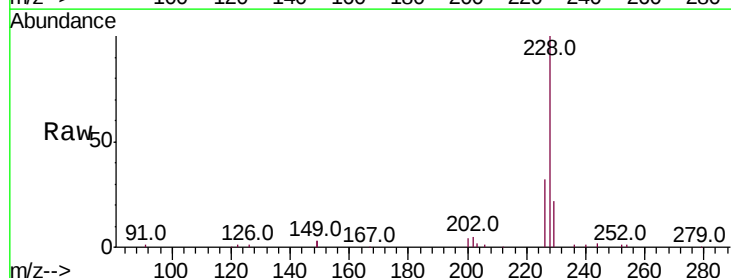
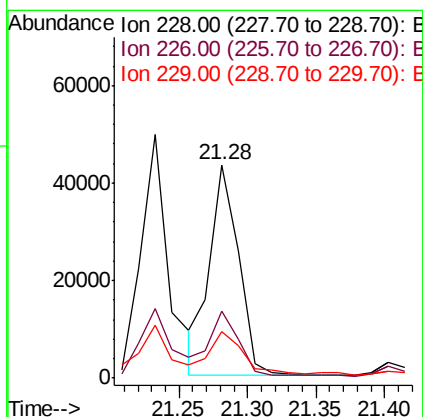
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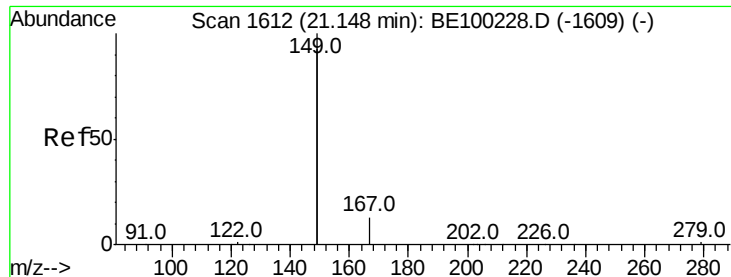
mohammad
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#31
Chrysene
Concen: 2.077 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.9	35.9
229	22.1	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.276 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

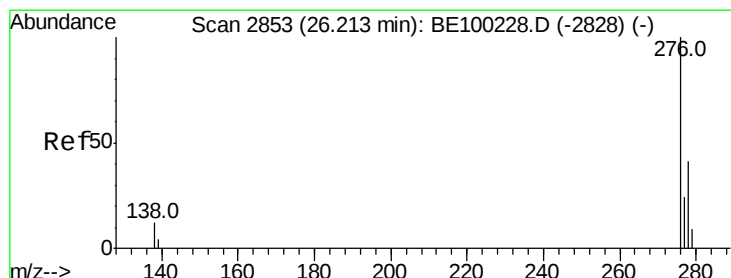
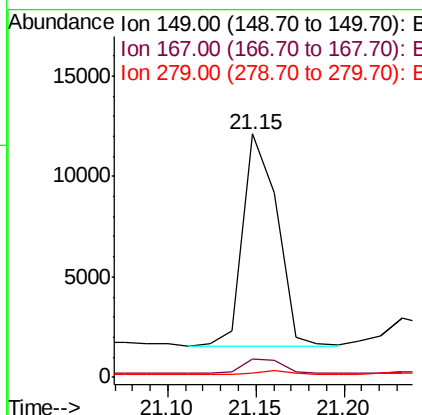
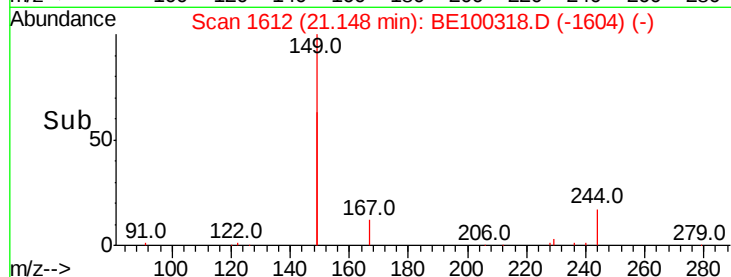
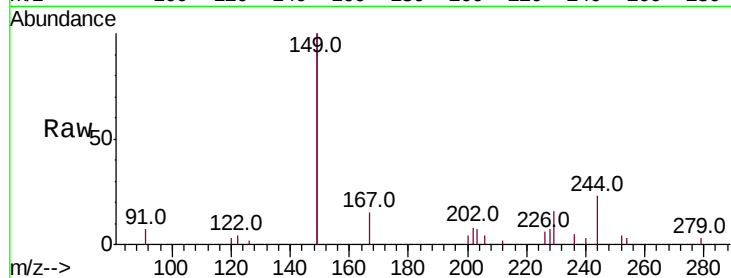
ClientSampleId :

PST-013-B039-062019DL

Tot Ion:	149	Resp:	14269
Ion Ratio	Lower	Upper	
149	100		
167	7.9	5.8	8.8
279	1.9	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.957 ng

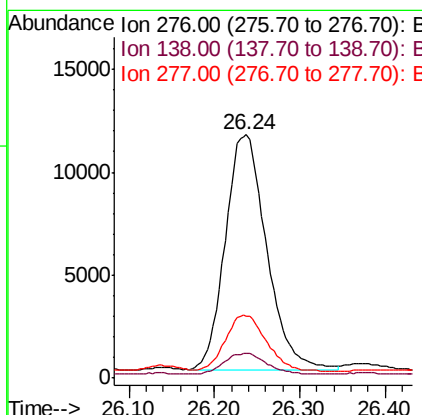
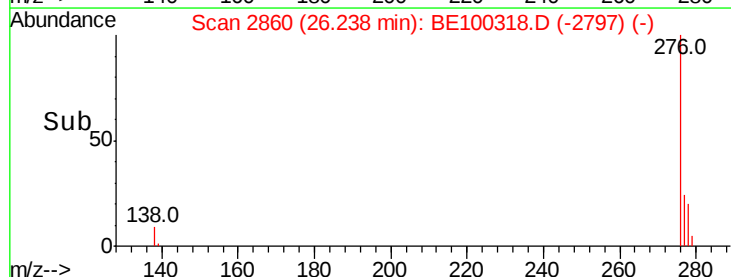
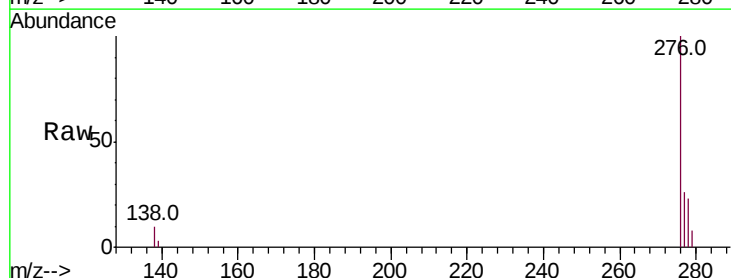
RT: 26.24 min Scan# 2860

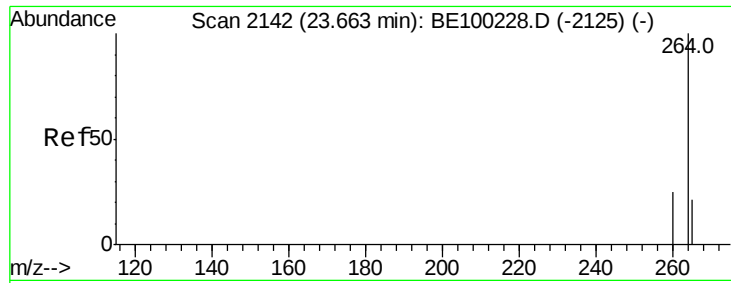
Delta R.T. 0.02 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	276	Resp:	38416
Ion Ratio	Lower	Upper	
276	100		
138	9.0	9.4	14.0#
277	23.8	19.2	28.8





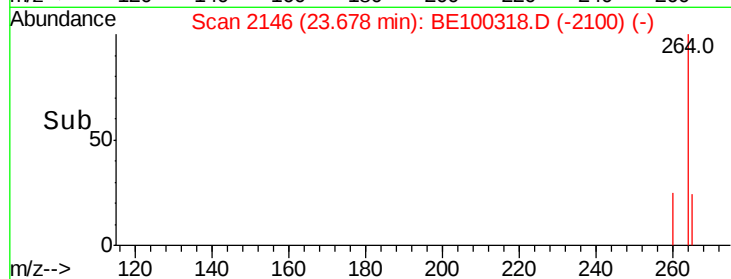
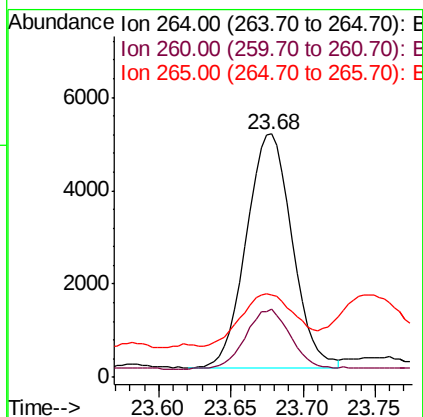
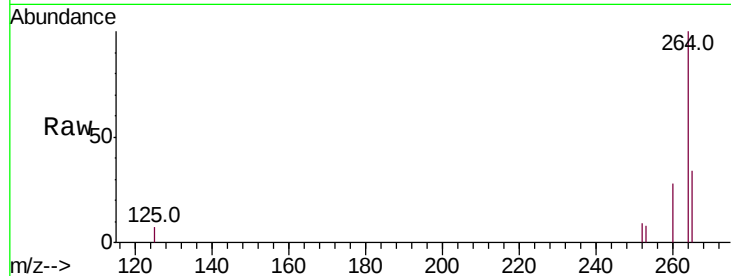
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.02 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	33.8	21.8	32.6

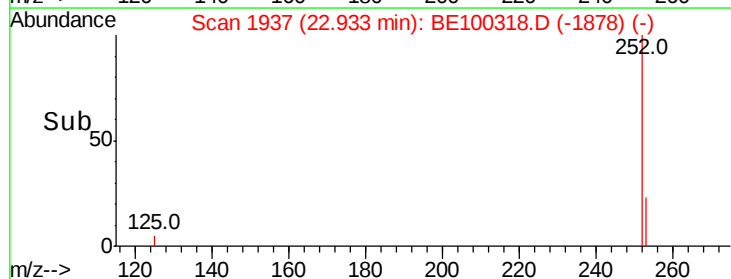
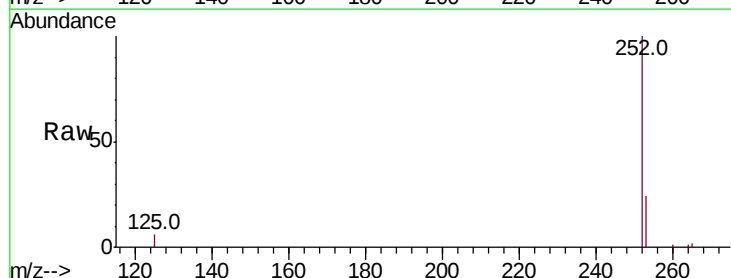
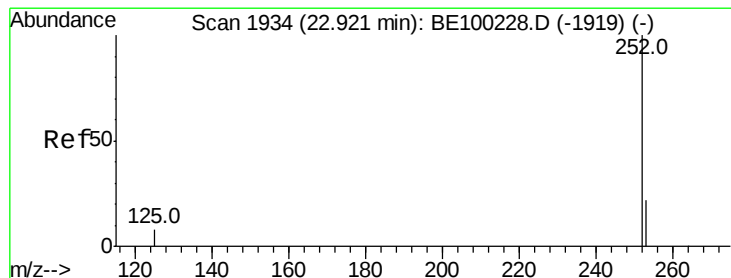
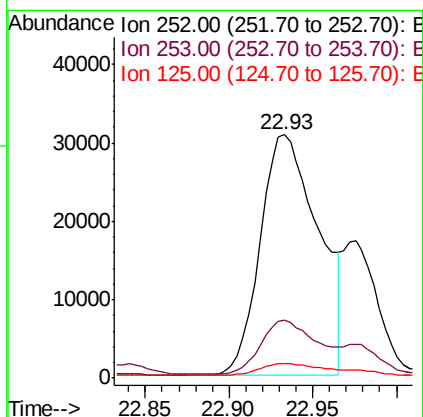
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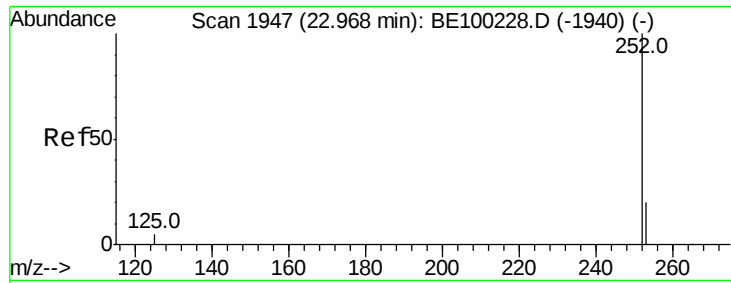
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.524 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	5.9	7.4	11.0





#36

Benzo(k)fluoranthene

Concen: 0.770 ng/mL

RT: 22.98 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

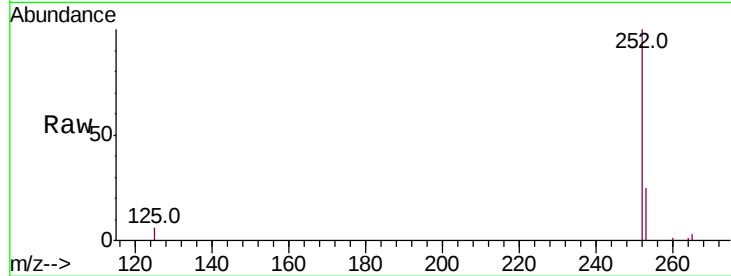
ClientSampleId :

PST-013-B039-062019DL

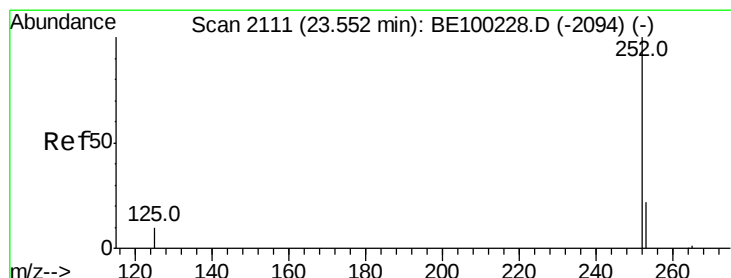
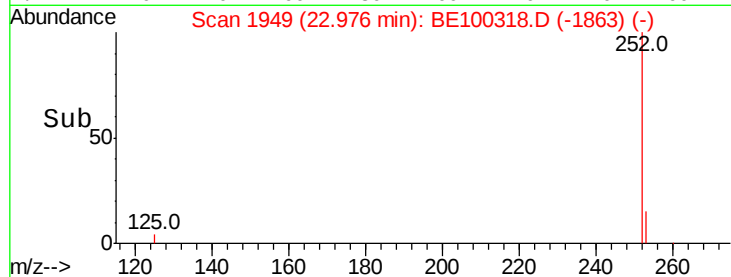
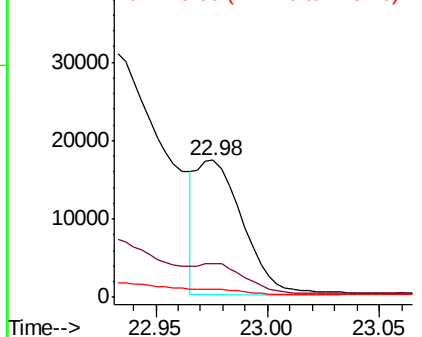
Tot Ion:	252	Resp:	25335
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	6.2	5.0	7.4

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



#37

Benzo(a)pyrene

Concen: 1.858 ng/mL

RT: 23.57 min Scan# 2115

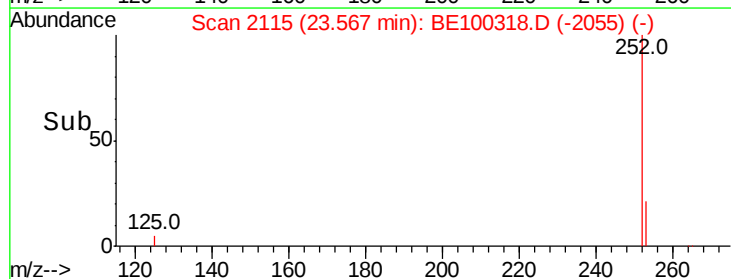
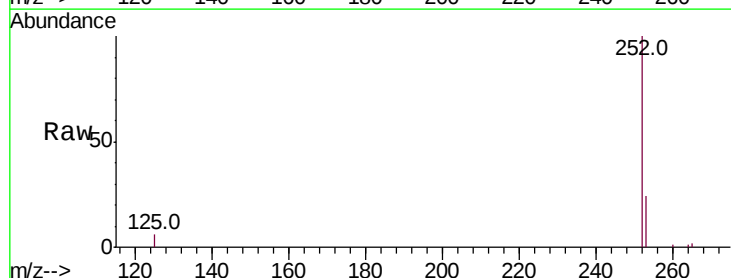
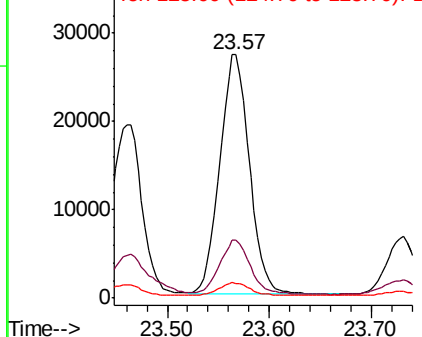
Delta R.T. 0.02 min

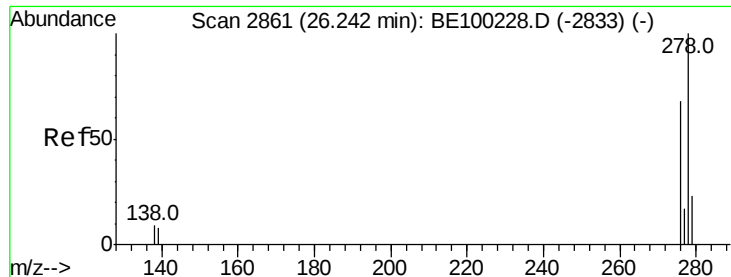
Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion:	252	Resp:	54886
Ion Ratio	Lower	Upper	
252	100		
253	24.1	19.6	29.4
125	6.2	9.0	13.6#

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





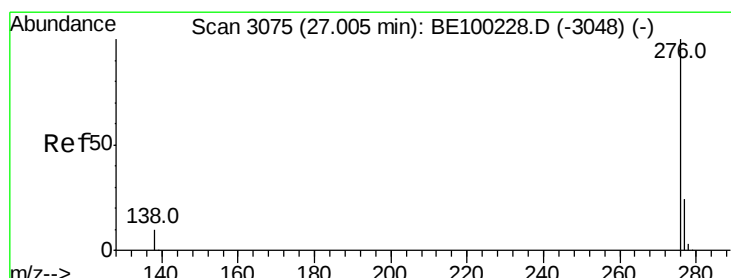
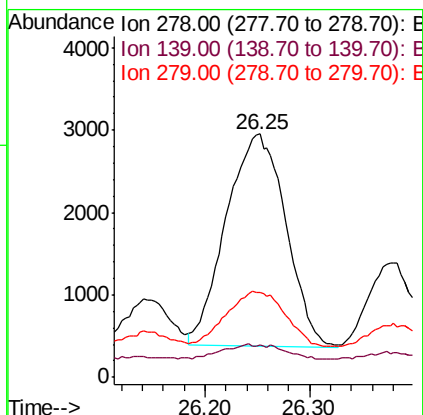
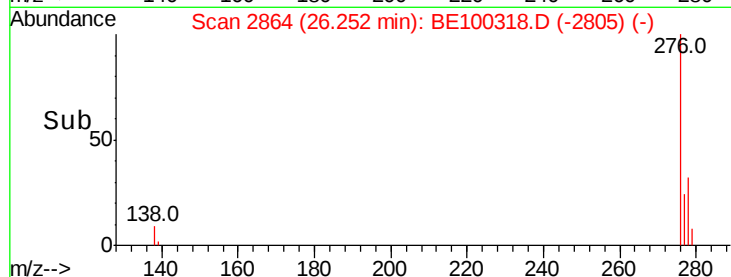
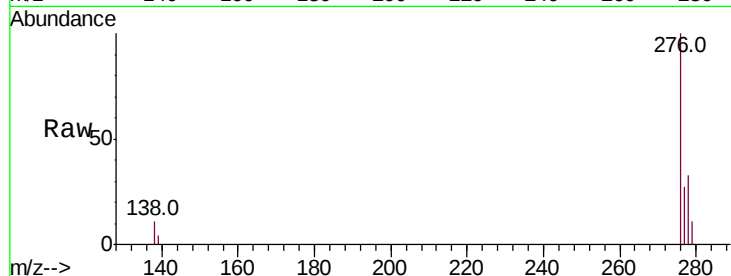
#38
Dibenzo(a,h)anthracene
Concen: 0.331 ng
RT: 26.25 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.3	8.2	12.2#
279	34.8	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:31 PM



#39
Benzo(g,h,i)perylene
Concen: 1.249 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.2
138	10.4	9.0	13.6

