

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100315.D
 Acq On : 2 Jul 2019 22:53
 Operator : JU/SJ
 Sample : K3504-17 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW105-062019

Manual Integrations
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mohammad
 7/3/2019 10:49:19 PM

Quant Time: Jul 03 04:01:03 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	7.65	152	806	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3019	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	2243	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	6333	0.40	ng	0.01
27) Chrysene-d12	21.25	240	8332	0.40	ng	0.00
34) Perylene-d12	23.68	264	9786	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	58	0.03	ng	0.01
5) Phenol-d6	6.85	99	64	0.02	ng	0.01
8) Nitrobenzene-d5	8.82	82	68	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	139	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	65	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	197	0.02	ng	0.00
25) Fluoranthene-d10	19.10	212	1437	0.02	ng	0.00
29) Terphenyl-d14	19.70	244	814	0.05	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	22784	0.684	ng	98
12) 2-Methylnaphthalene	12.12	142	3452	0.591	ng	97
16) Acenaphthylene	14.04	152	3226	0.300	ng	# 94
17) Acenaphthene	14.38	154	8425	1.381	ng	98
18) Fluorene	15.35	166	11894	1.319	ng	95
23) Phenanthrene	17.11	178	256266	16.696	ng	100
24) Anthracene	17.19	178	56786	4.108	ng	# 93
26) Fluoranthene	19.13	202	434494	17.772	ng	99
28) Pyrene	19.49	202	412700	18.709	ng	# 95
30) Benzo(a)anthracene	21.23	228	262111	9.568	ng	98
31) Chrysene	21.28	228	207765	7.552	ng	97
33) Indeno(1,2,3-cd)pyrene	26.24	276	133761	3.676	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	251532	9.480	ng	# 96
36) Benzo(k)fluoranthene	22.98	252	107607m	3.633	ng	
37) Benzo(a)pyrene	23.57	252	204642	7.696	ng	# 93
38) Dibenzo(a,h)anthracene	26.25	278	33250	1.197	ng	93
39) Benzo(a,h,i)perylene	27.04	276	135817	4.760	ng	99

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

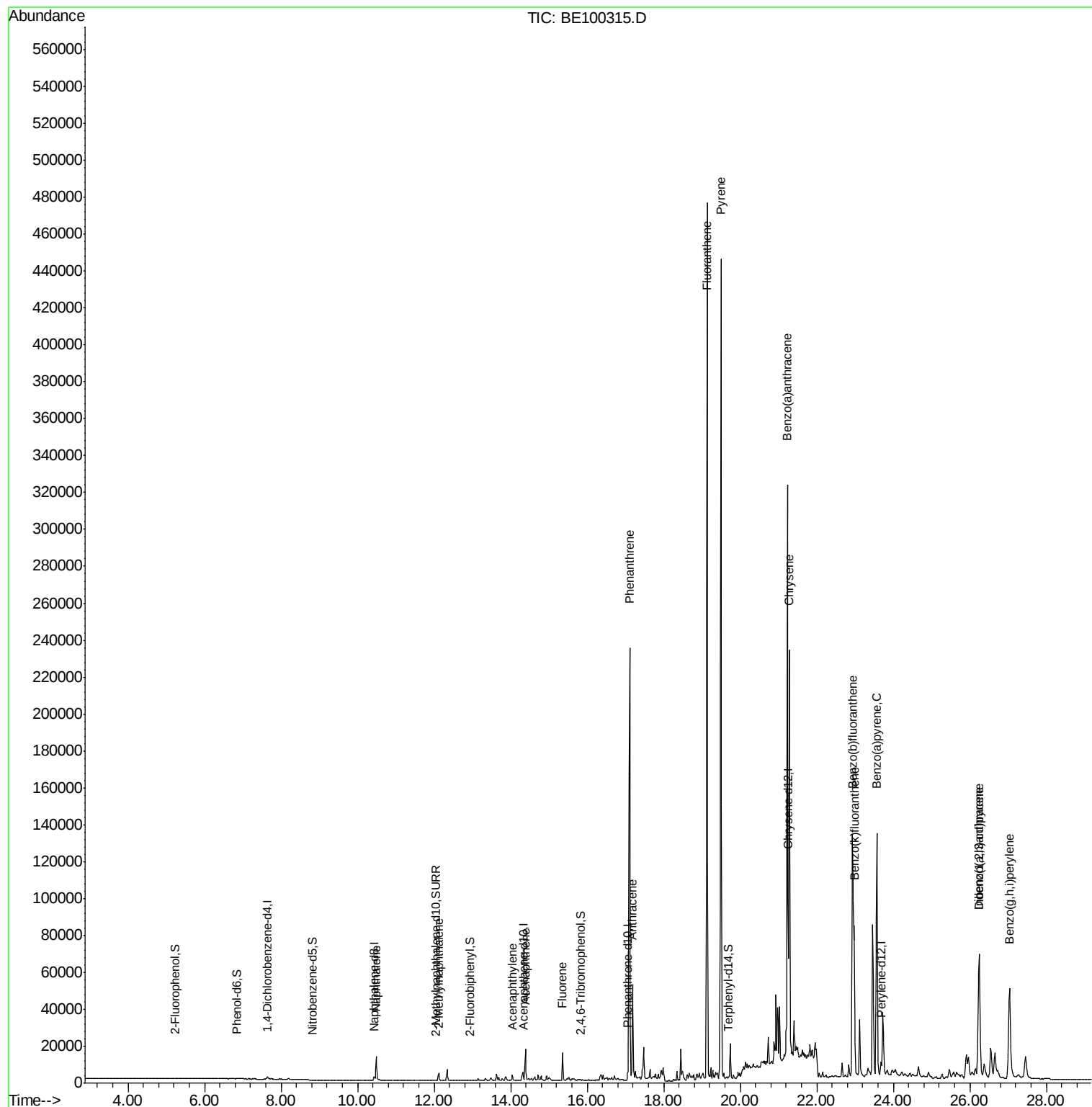
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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#1

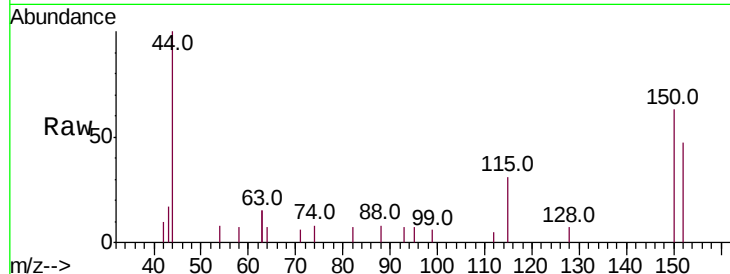
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

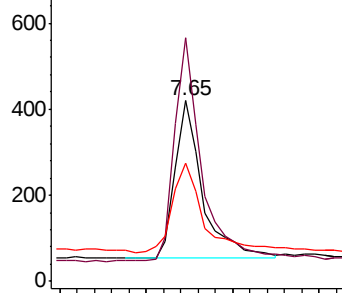
Tot Ion	Ratio	Lower	Upper
152	100		
150	135.1	114.5	171.7
115	65.9	57.1	85.7

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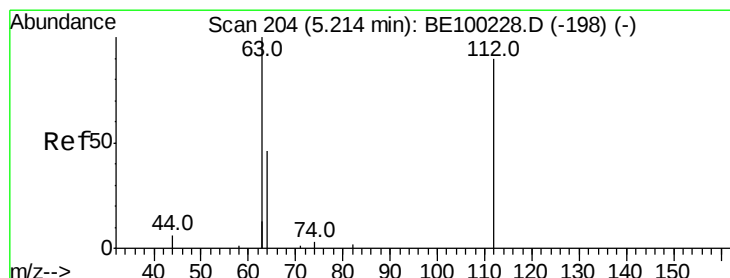
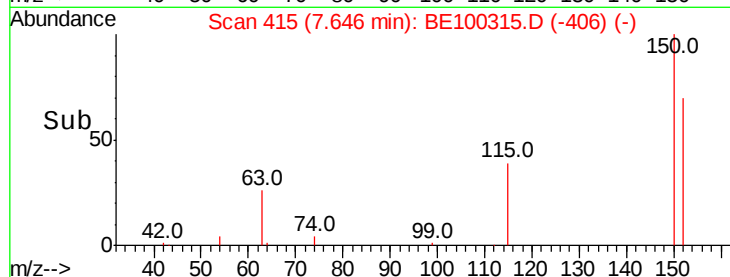
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



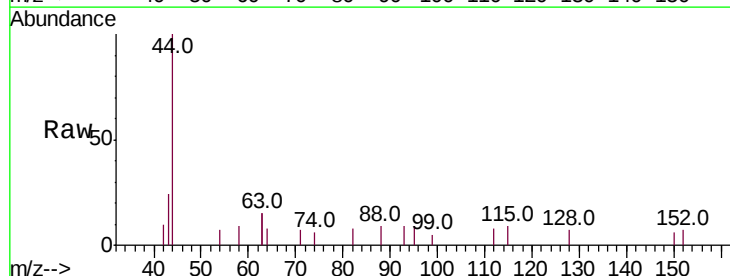
Time--> 7.50 7.60 7.70 7.80



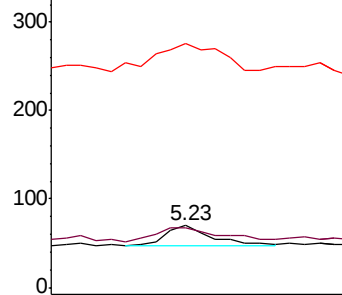
#4

2-Fluorophenol
Concen: 0.028 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

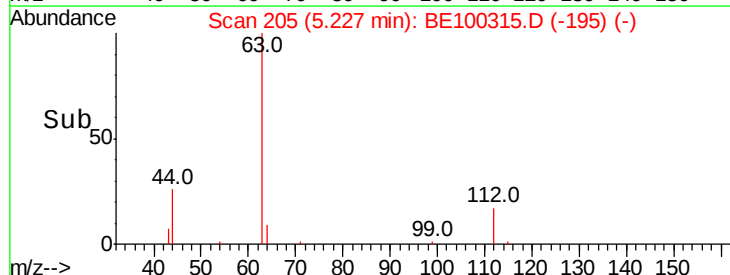
Tgt Ion	Ratio	Lower	Upper
112	100		
64	106.9	39.4	59.0#
63	198.3	104.5	156.7#

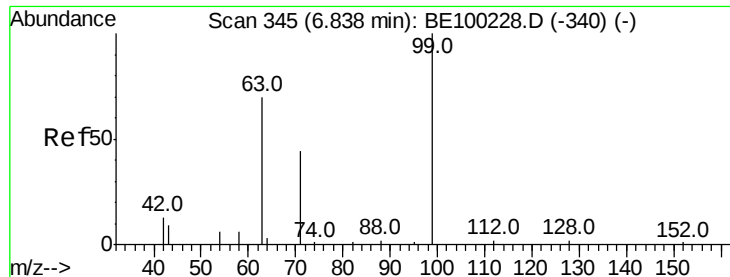


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time--> 5.15 5.20 5.25 5.30





#5

Phenol-d6

Concen: 0.024 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Instrument :

BNA_E

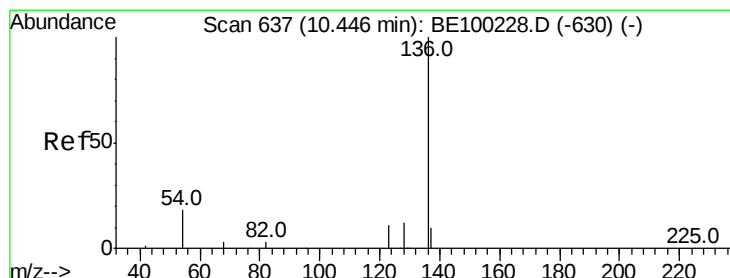
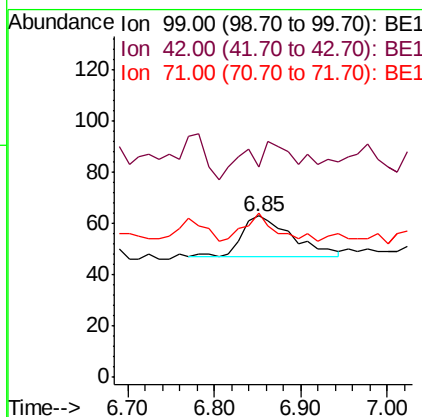
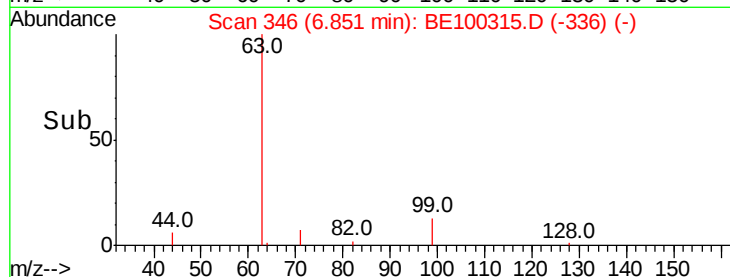
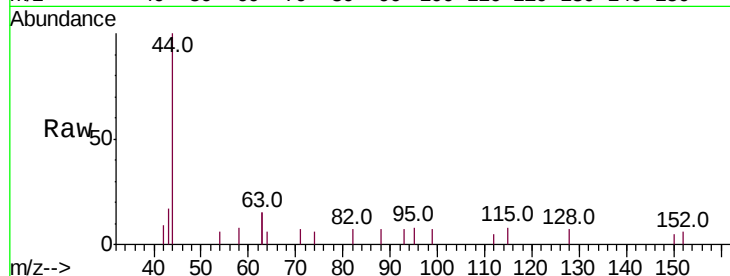
ClientSampleId :

PST-013-SW105-062019

Tot Ion:	99	Resp:	64
Ion	Ratio	Lower	Upper
99	100		
42	59.4	11.2	16.8#
71	42.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

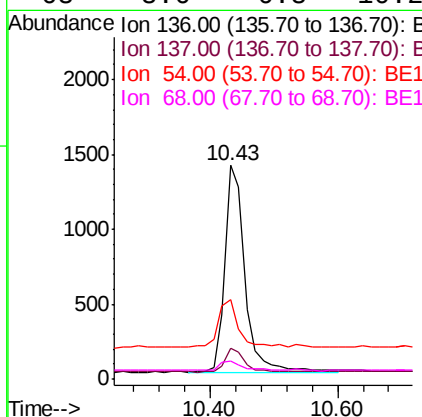
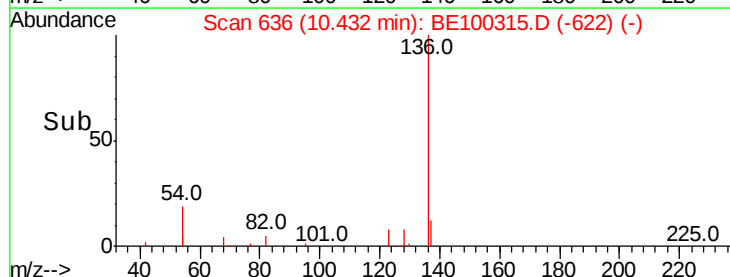
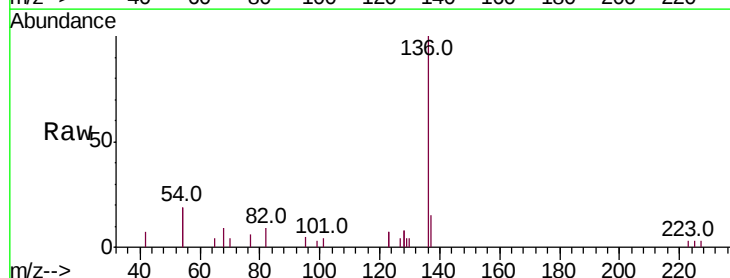
RT: 10.43 min Scan# 636

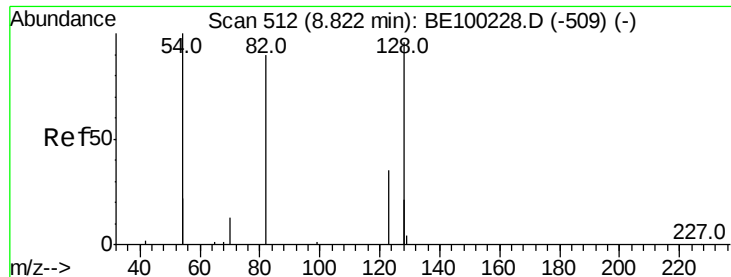
Delta R.T. -0.01 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Tgt Ion:	136	Resp:	3019
Ion	Ratio	Lower	Upper
136	100		
137	14.6	11.8	17.8
54	37.0	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.023 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Instrument :

BNA_E

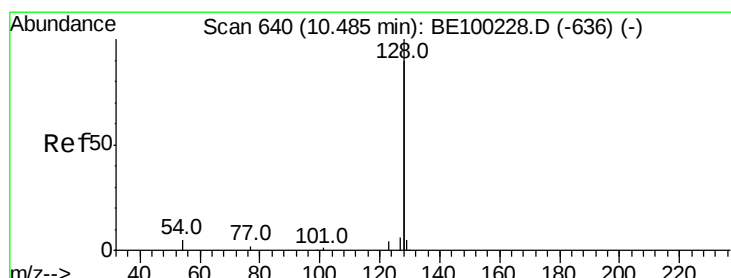
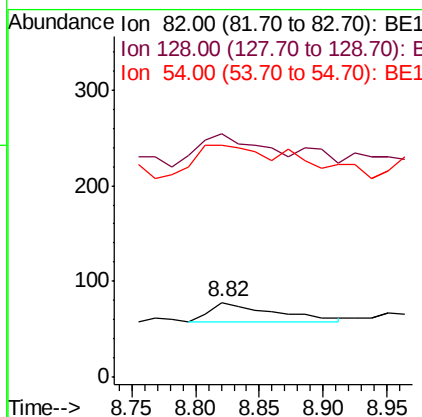
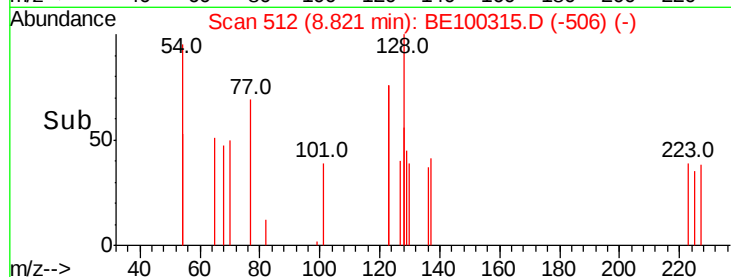
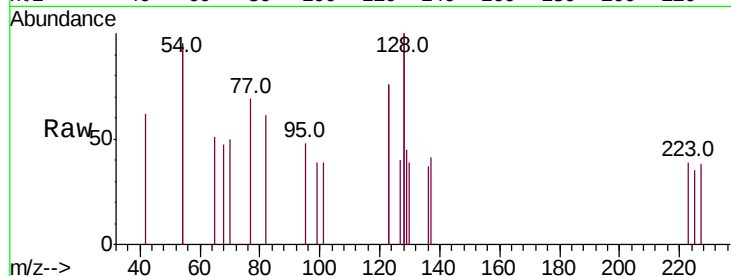
ClientSampleId :

PST-013-SW105-062019

Tot Ion:	82	Resp:	68
Ion	Ratio	Lower	Upper
82	100		
128	325.6	140.9	211.3#
54	310.3	146.2	219.2#

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#9

Naphthalene

Concen: 0.684 ng

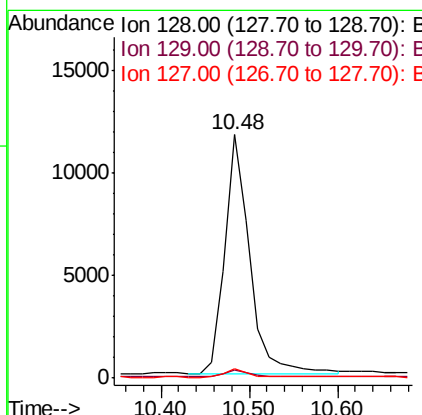
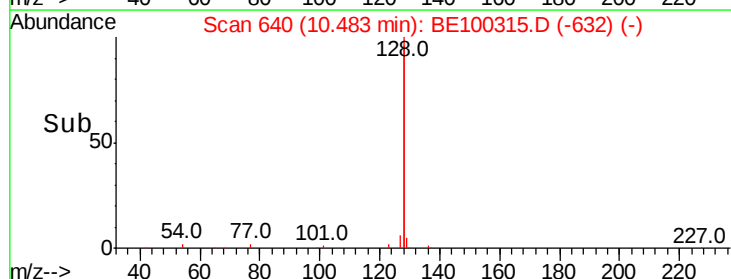
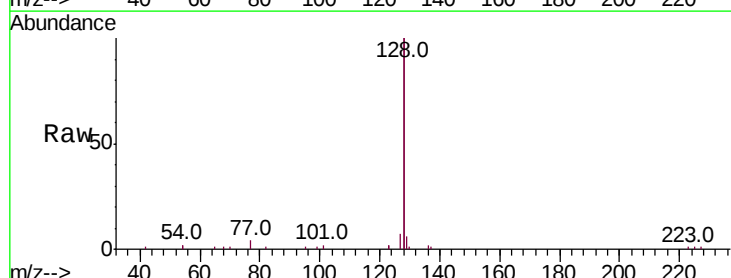
RT: 10.48 min Scan# 640

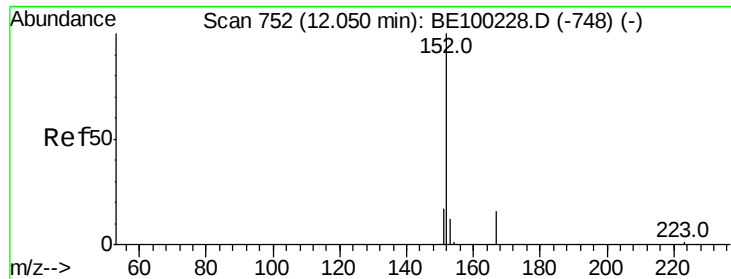
Delta R.T. -0.00 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Tgt Ion:	128	Resp:	22784
Ion	Ratio	Lower	Upper
128	100		
129	3.2	3.0	4.6
127	3.6	3.5	5.3





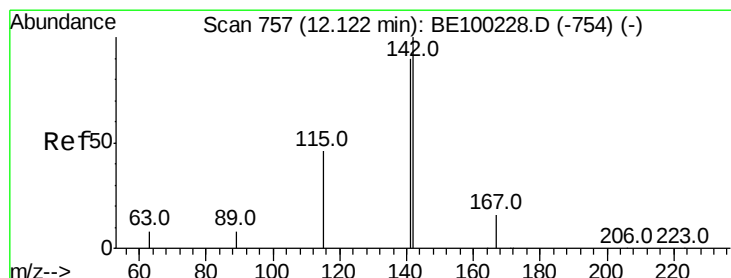
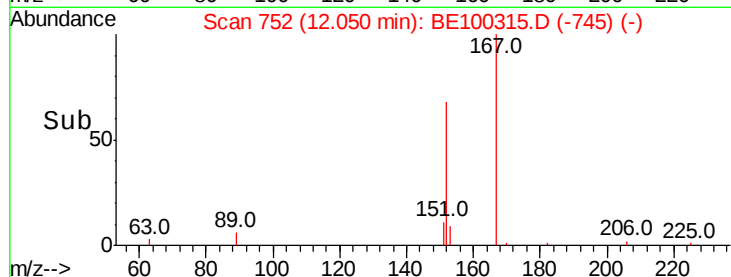
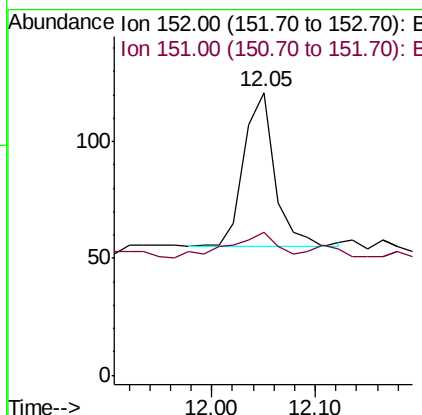
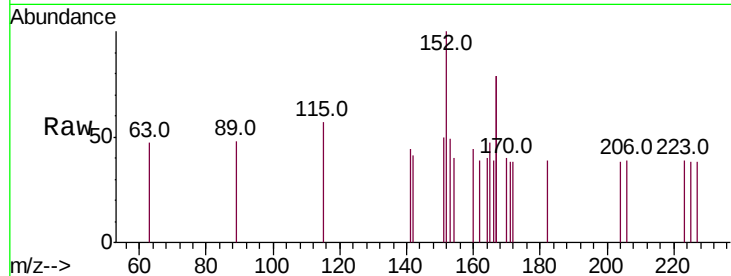
#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion:152 Resp: 139
Ion Ratio Lower Upper
152 100
151 25.9 15.1 22.7#

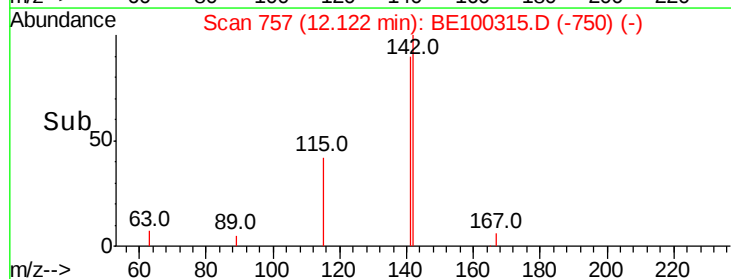
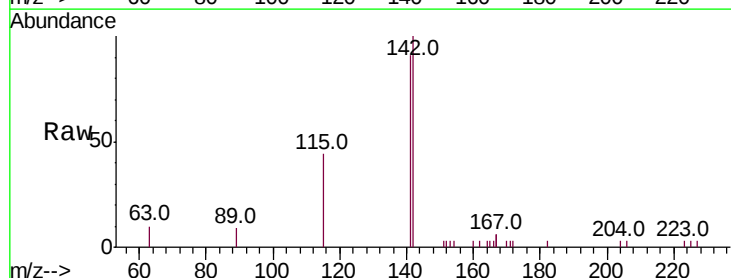
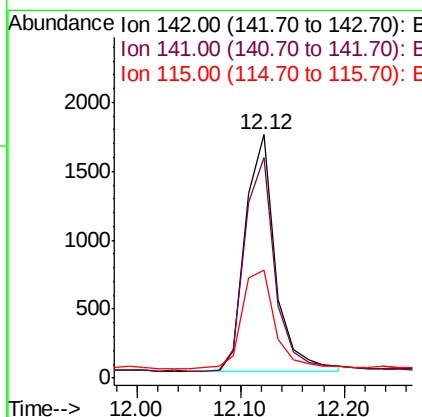
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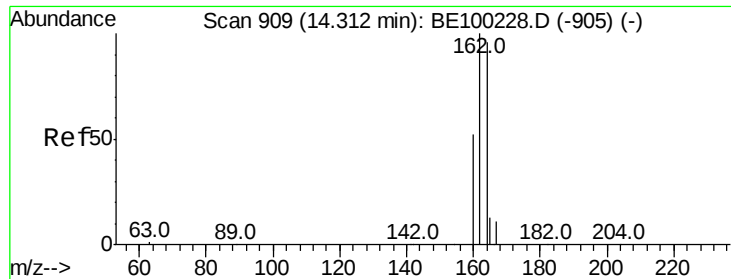
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#12
2-Methylnaphthalene
Concen: 0.591 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion:142 Resp: 3452
Ion Ratio Lower Upper
142 100
141 90.8 72.4 108.6
115 44.5 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 910

Delta R.T. 0.01 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Instrument :

BNA_E

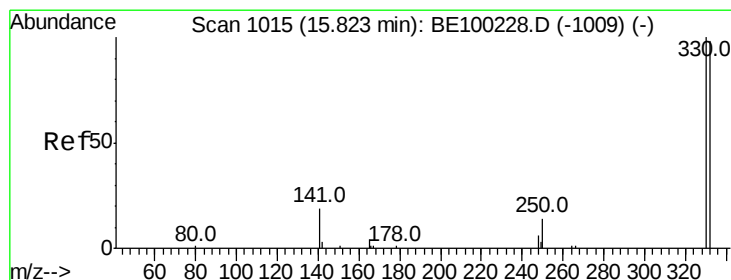
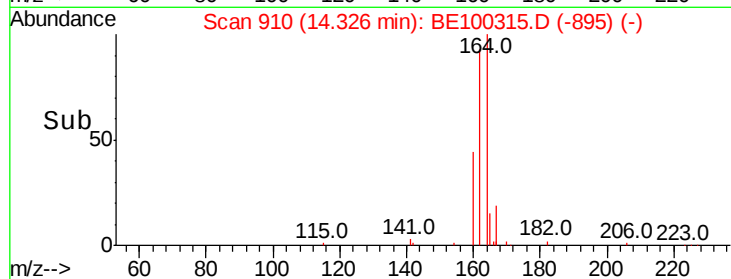
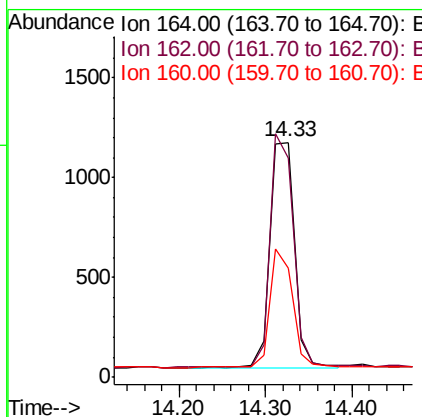
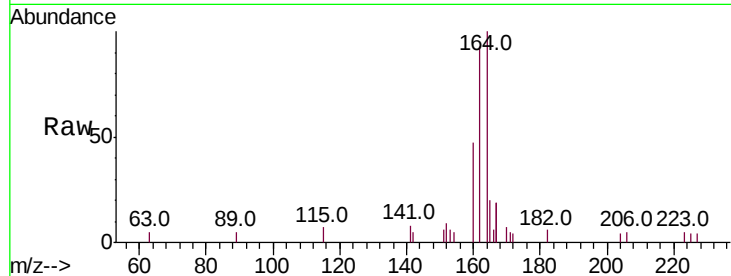
ClientSampleId :

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Tot Ion:	164	Resp:	2243
Ion	Ratio	Lower	Upper
164	100		
162	93.1	83.4	125.0
160	46.5	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.041 ng

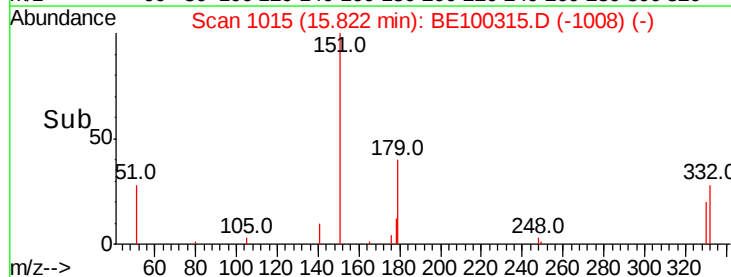
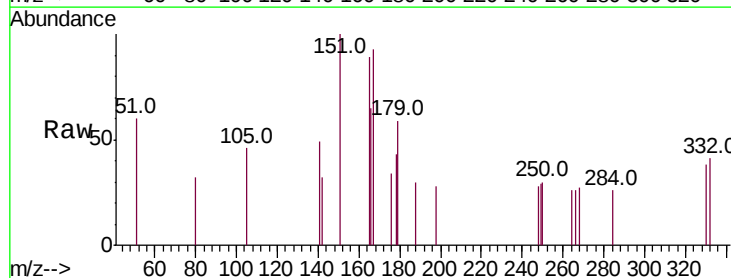
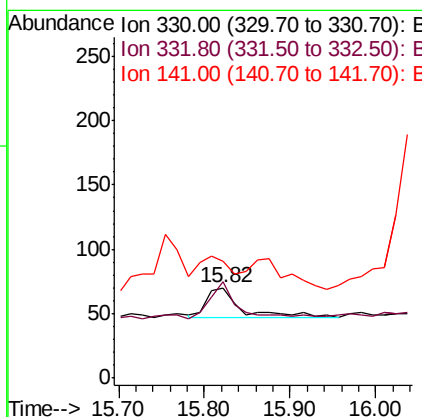
RT: 15.82 min Scan# 1015

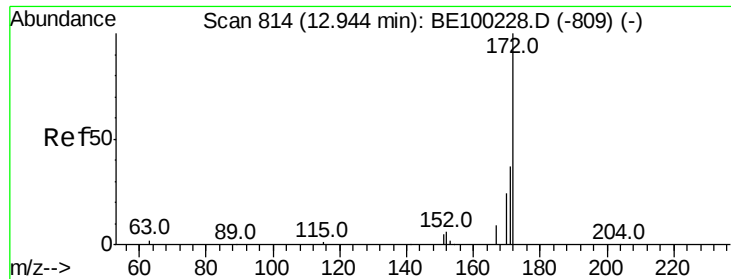
Delta R.T. -0.00 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Tgt Ion:	330	Resp:	65
Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.4
141	55.4	22.0	33.0#





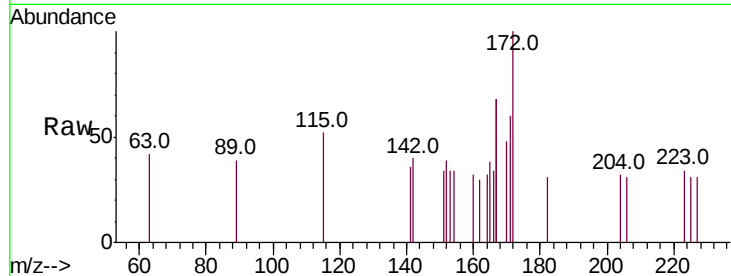
#15
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

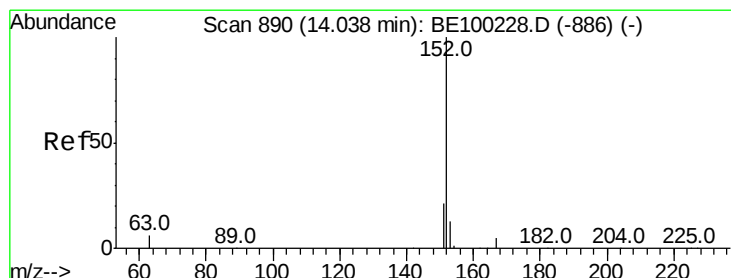
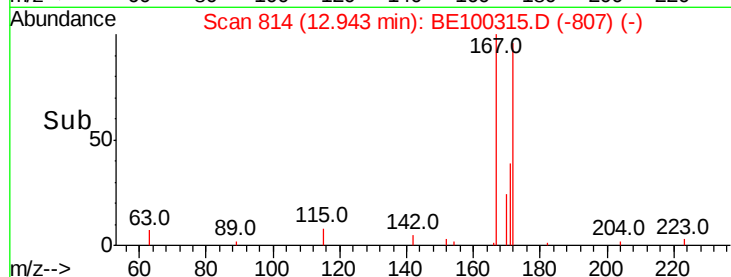
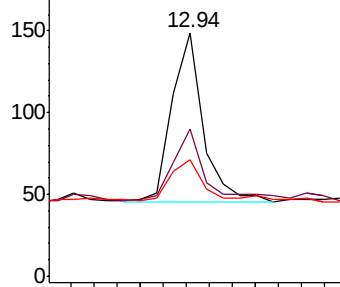
Tot Ion	Ratio	Lower	Upper
172	100		
171	60.4	31.9	47.9#
170	47.7	22.2	33.2#

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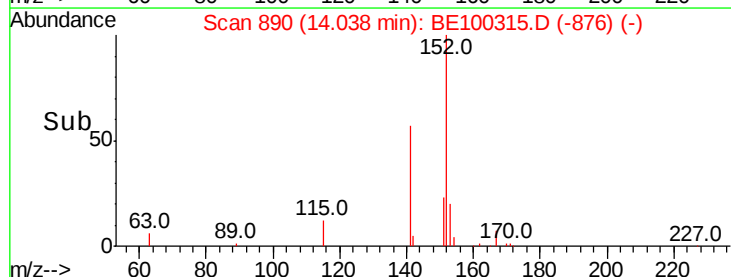
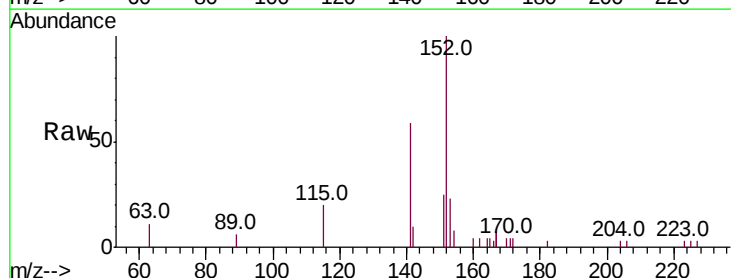
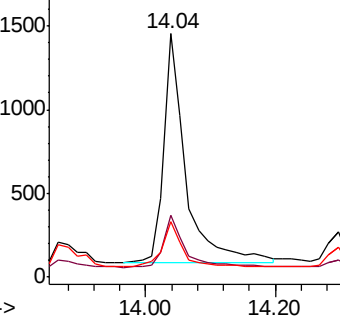
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

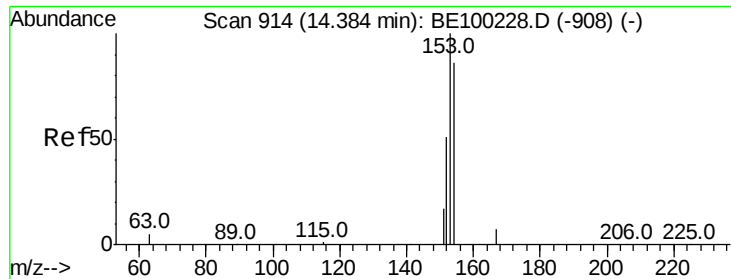


#16
Acenaphthylene
Concen: 0.300 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.6	25.0
153	18.7	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





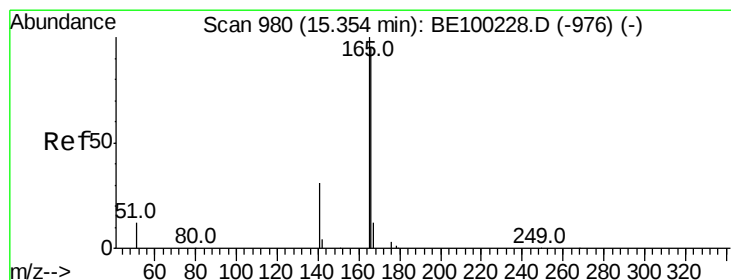
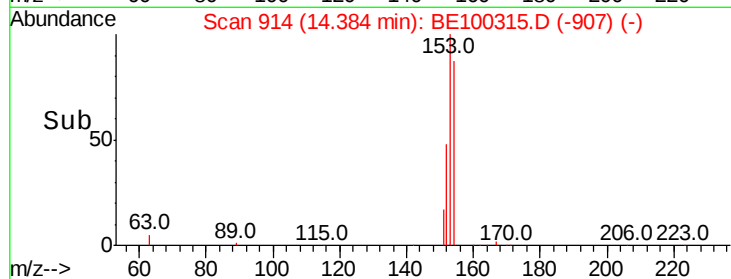
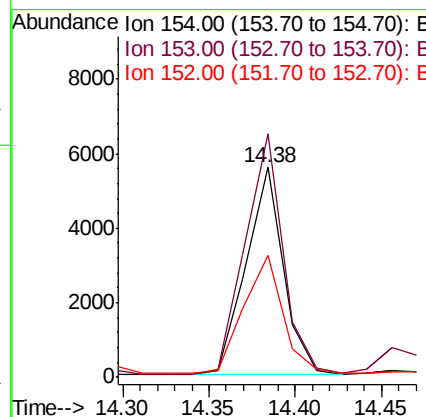
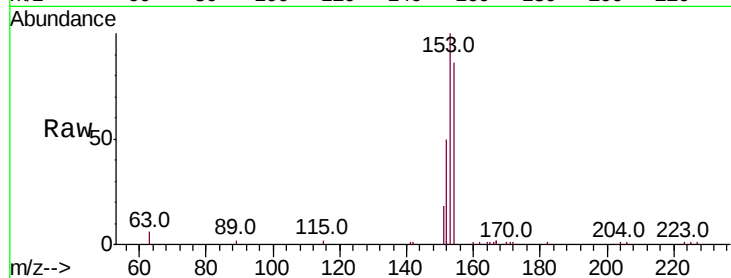
#17
Acenaphthene
Concen: 1.381 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.9	93.4	140.2
152	59.8	49.4	74.2

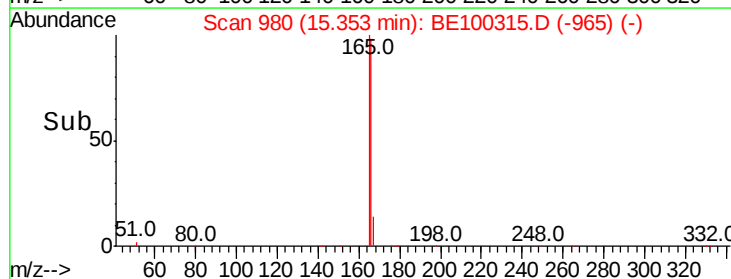
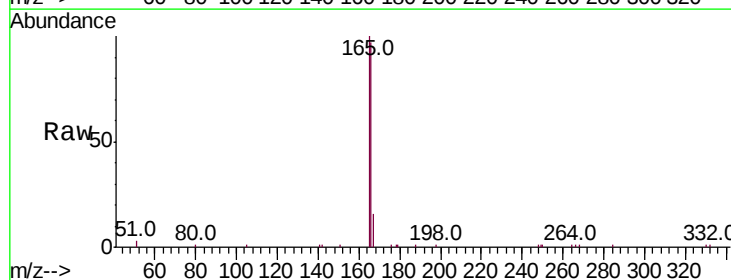
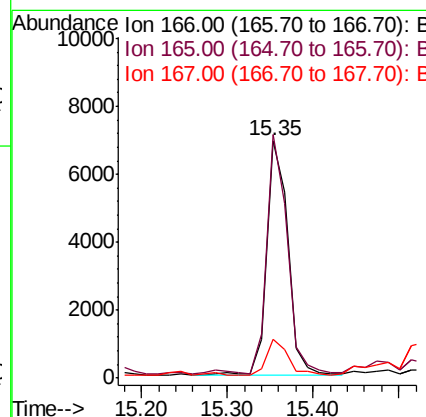
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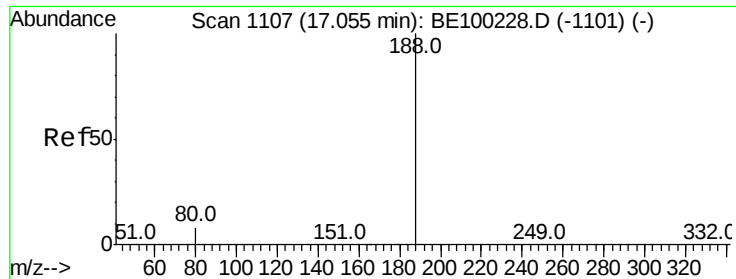
mohammad
7/3/2019 10:49:19 PM



#18
Fluorene
Concen: 1.319 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	81.1	121.7
167	16.0	10.7	16.1





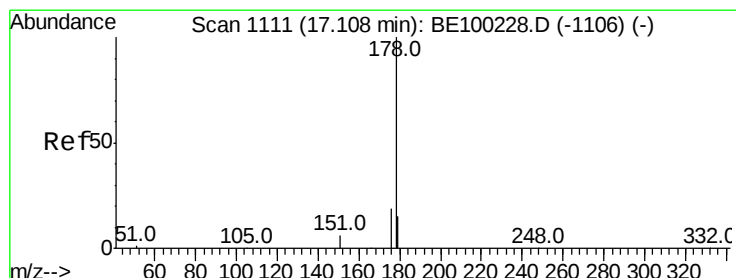
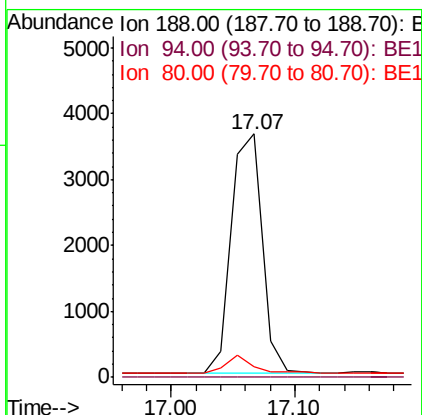
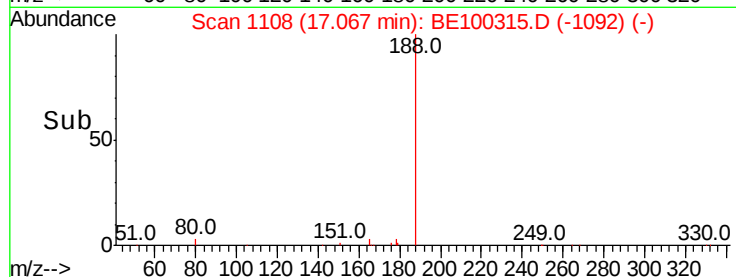
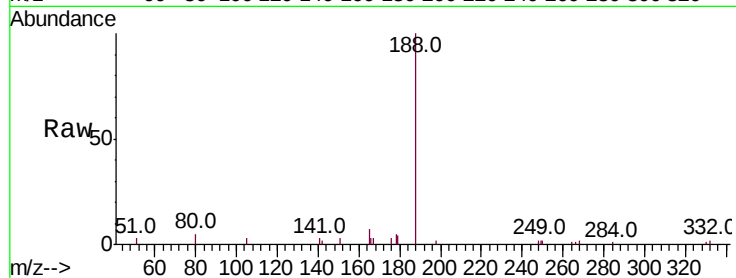
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.6	7.6	11.4#

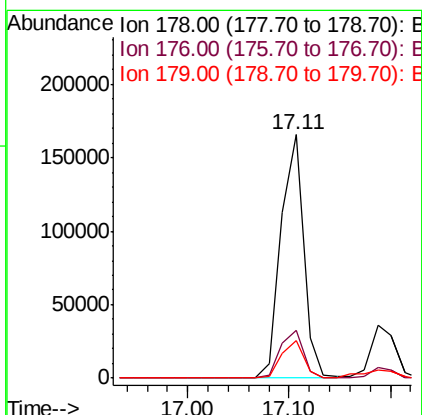
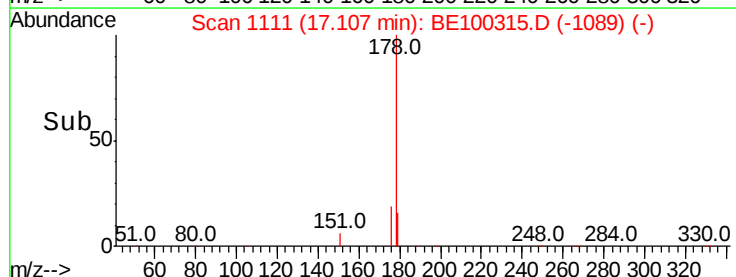
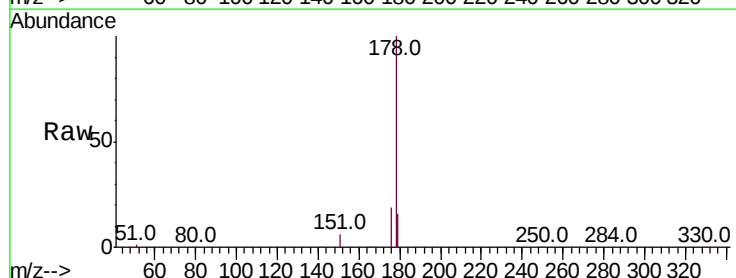
Manual Integrations
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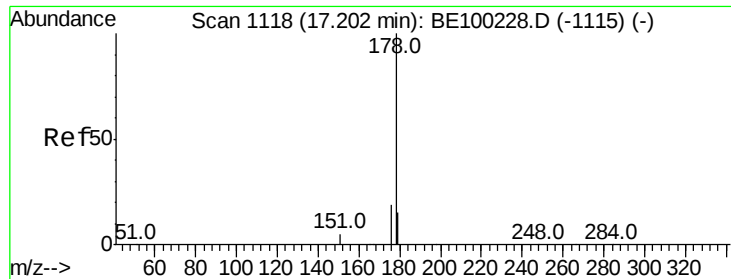
mohammad
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#23
Phenanthrene
Concen: 16.696 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.6	12.2	18.2





#24

Anthracene

Concen: 4.108 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Instrument :

BNA_E

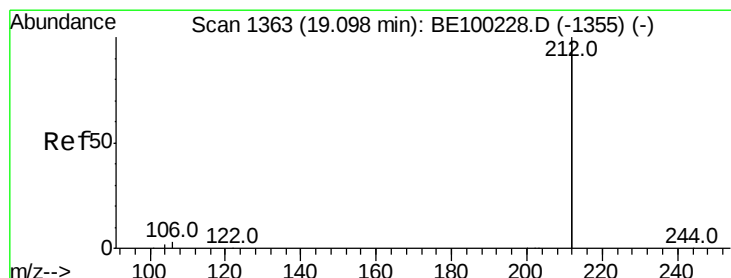
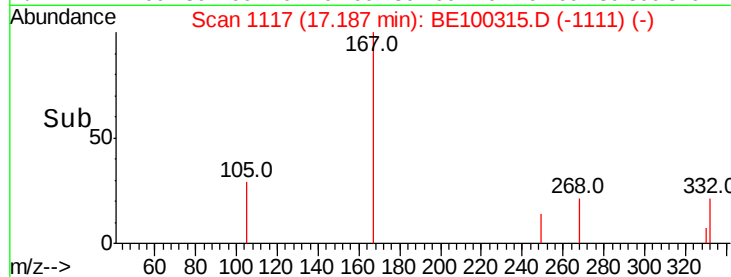
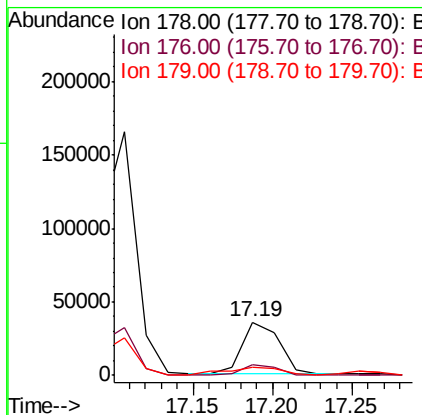
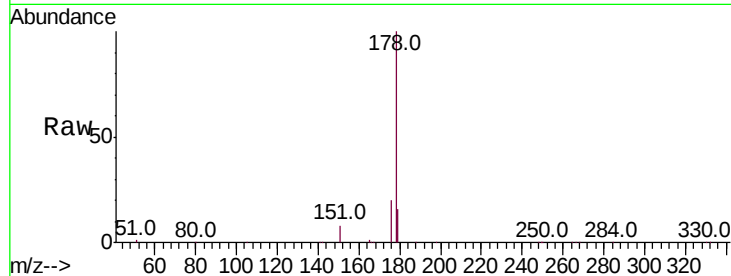
ClientSampleId :

PST-013-SW105-062019

Tot Ion:	178	Resp:	56786
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	20.9	12.2	18.2#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.016 ng

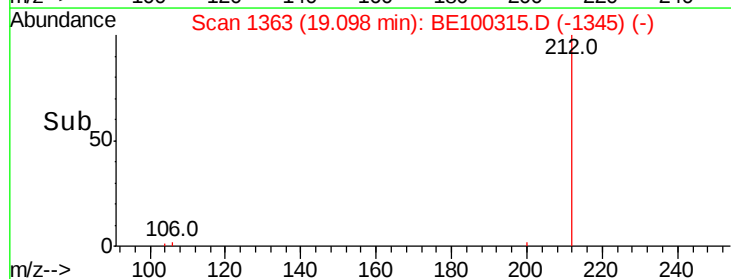
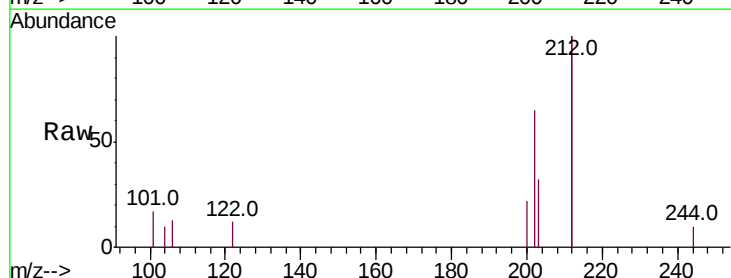
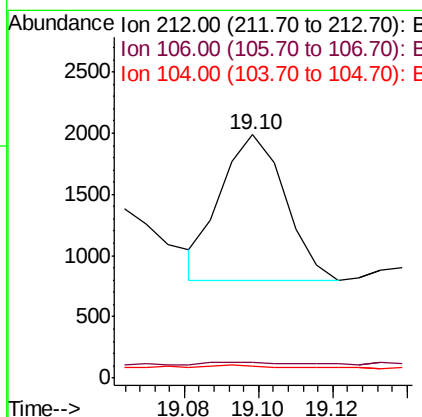
RT: 19.10 min Scan# 1363

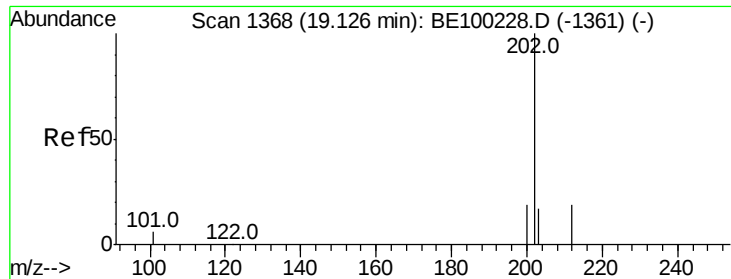
Delta R.T. 0.00 min

Lab File: BE100315.D

Acq: 2 Jul 2019 22:53

Tgt Ion:	212	Resp:	1437
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.3	1.9#
104	2.3	0.8	1.2#





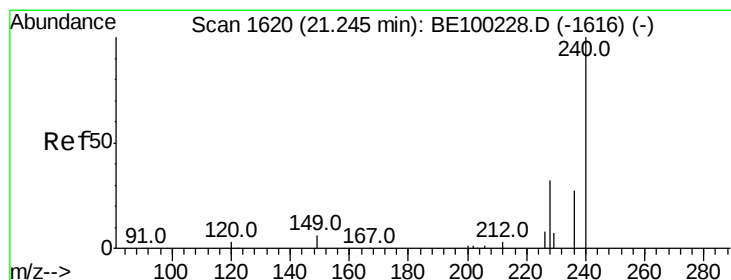
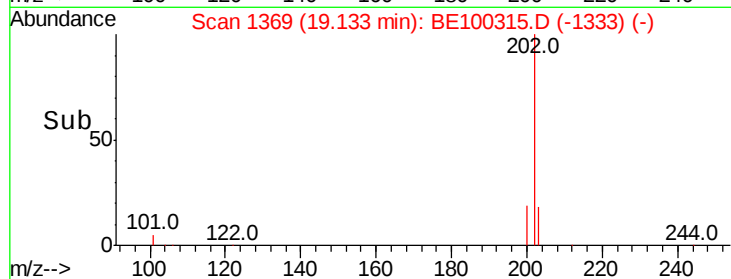
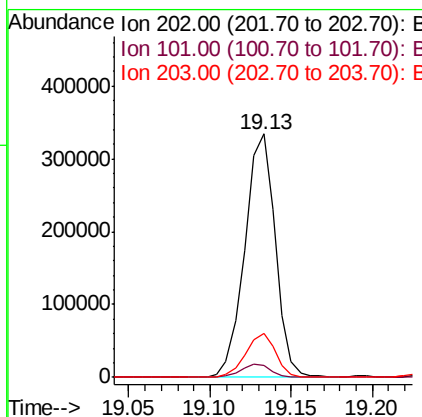
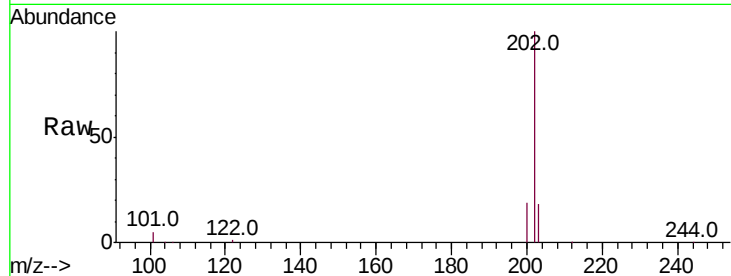
#26
 Fluoranthene
 Concen: 17.772 ng
 RT: 19.13 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: BE100315.D
 Acq: 2 Jul 2019 22:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	4.6	7.0
203	17.7	13.7	20.5

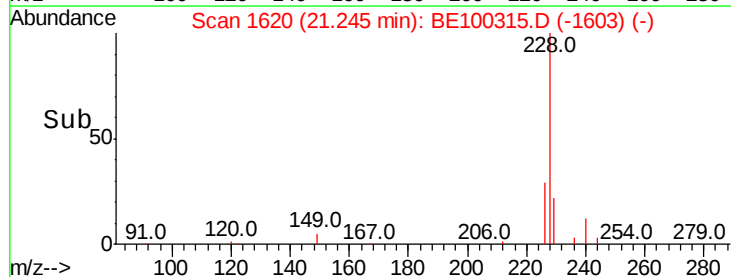
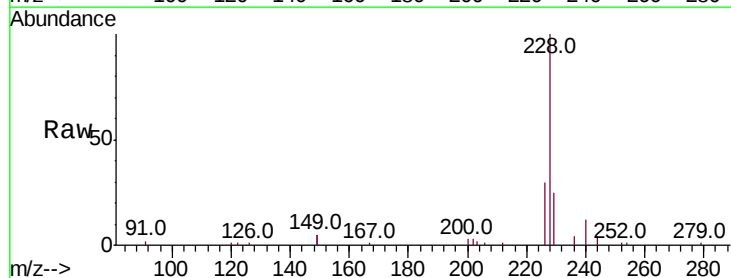
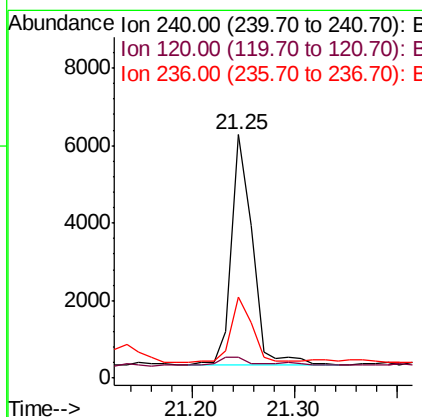
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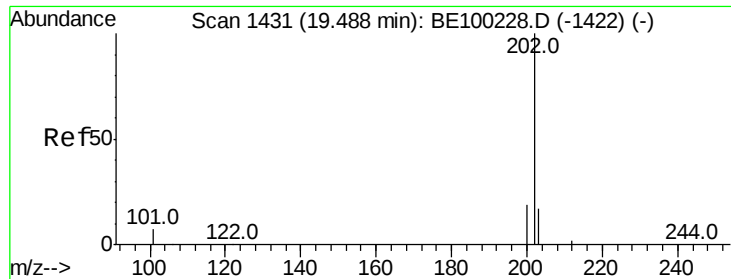
mohammad
 7/3/2019 10:49:19 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100315.D
 Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	3.3	4.9#
236	33.2	22.6	34.0





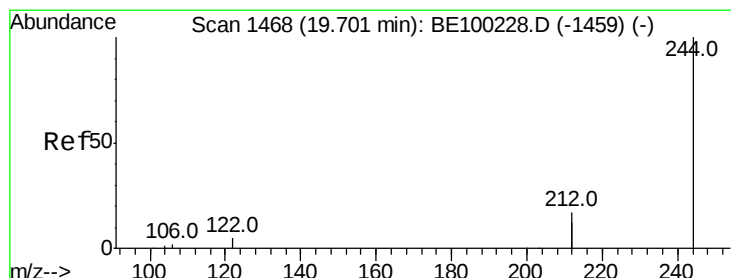
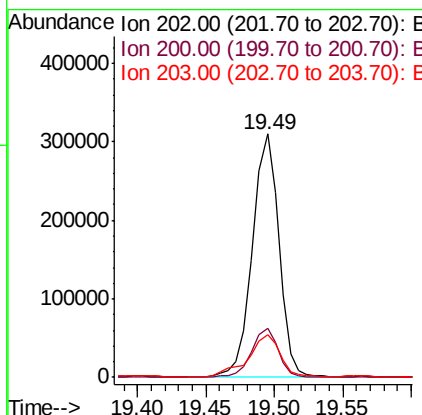
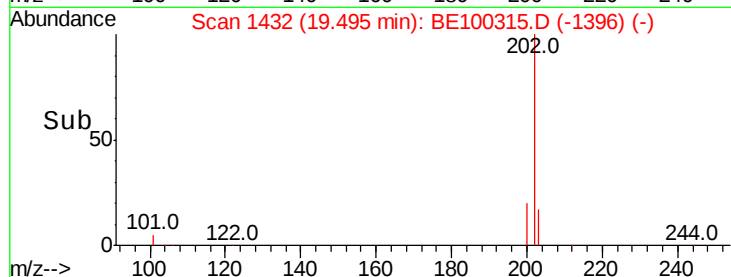
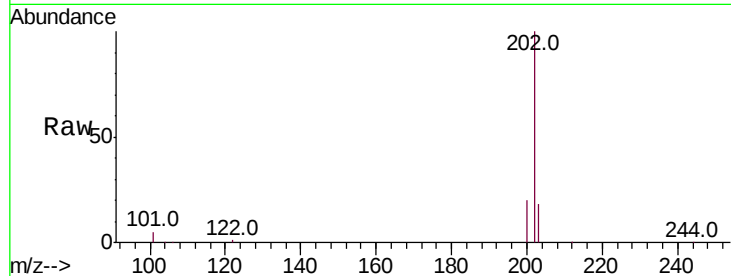
#28
Pvrene
Concen: 18.709 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	15.6	23.4
203	21.2	14.0	21.0#

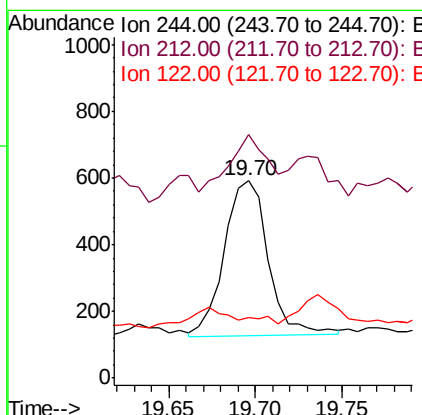
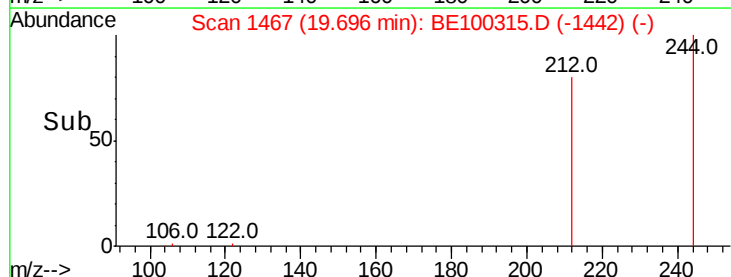
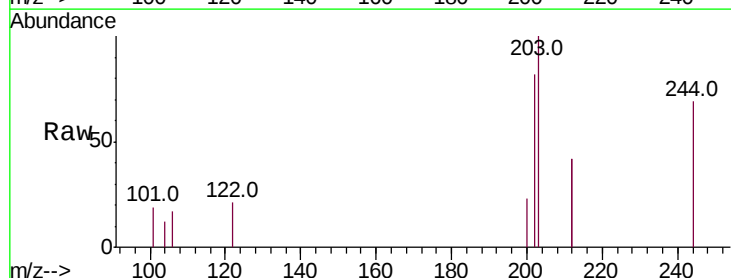
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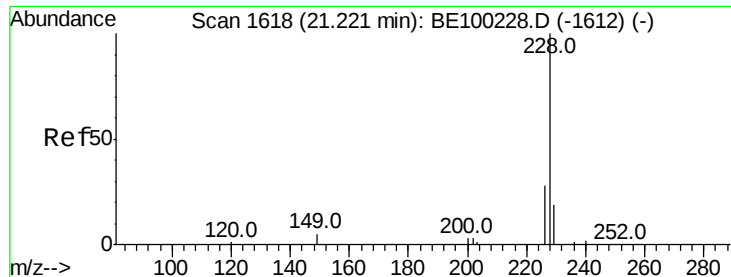
mohammad
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#29
Terphenyl-d14
Concen: 0.047 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	123.5	27.3	40.9#
122	31.0	4.7	7.1#





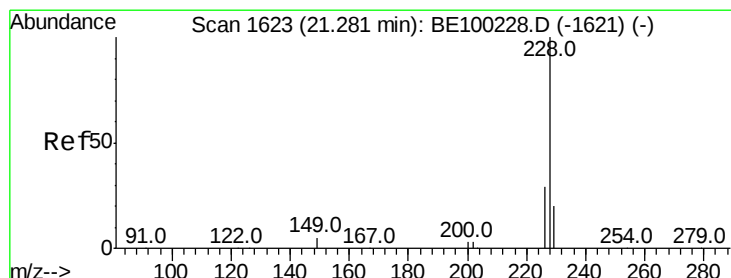
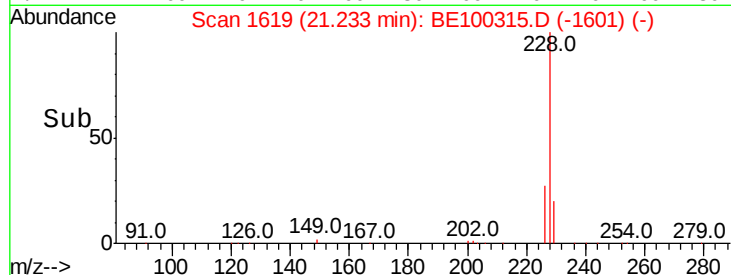
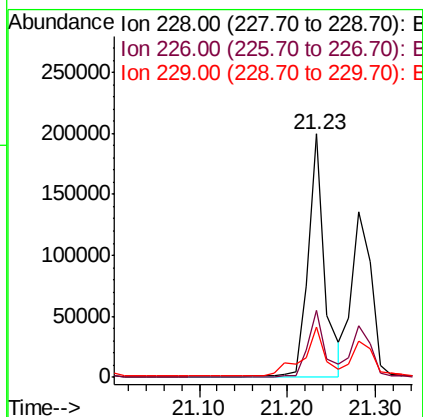
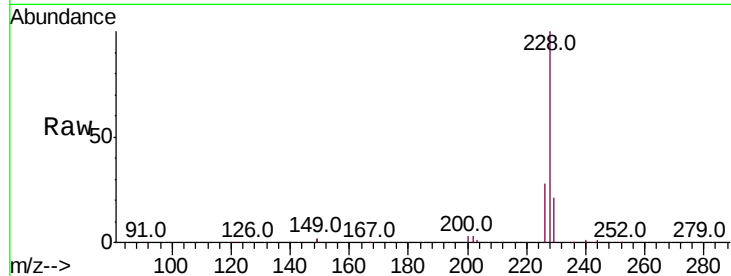
#30
Benzo(a)anthracene
Concen: 9.568 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.2	34.8
229	20.7	15.7	23.5

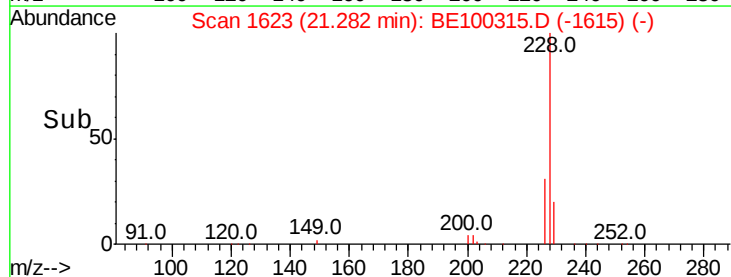
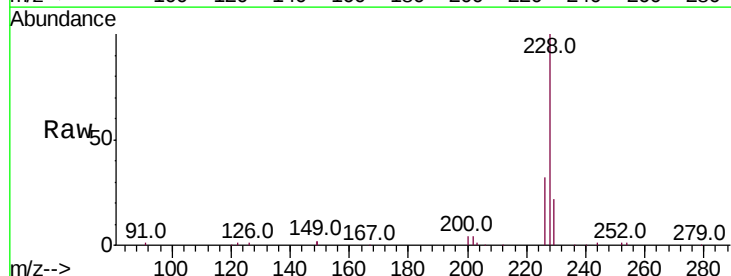
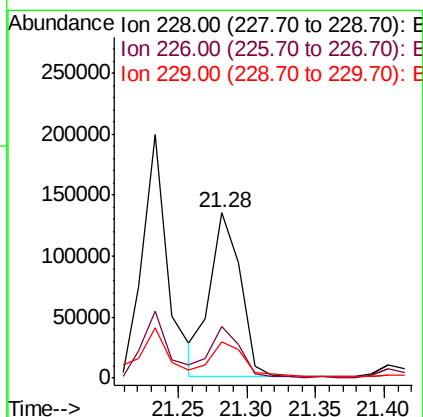
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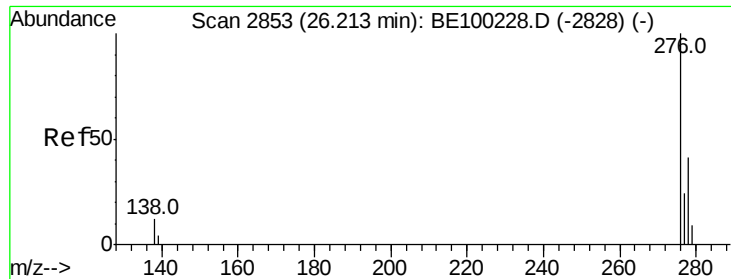
mohammad
7/3/2019 10:49:19 PM



#31
Chrysene
Concen: 7.552 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.9	35.9
229	22.3	16.5	24.7





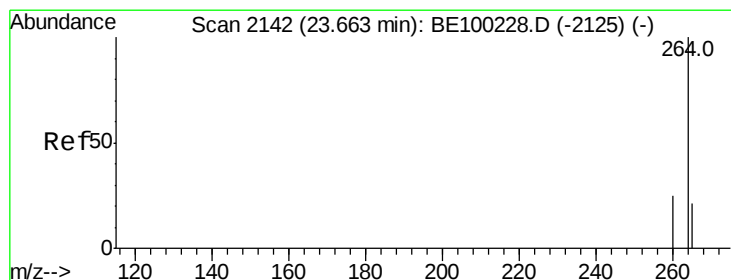
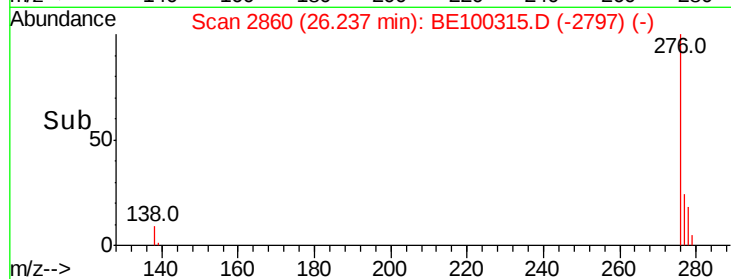
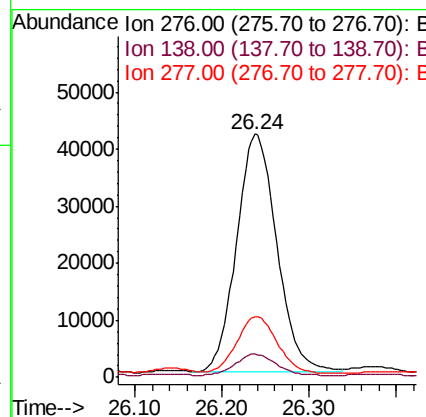
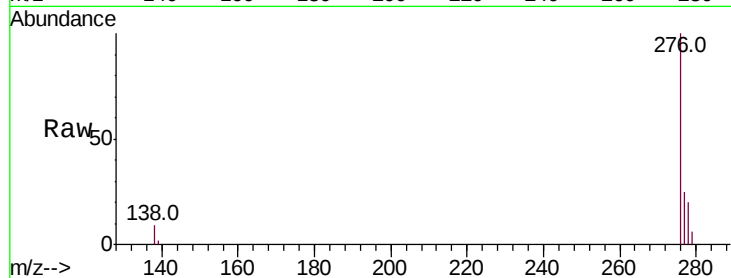
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.676 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. 0.02 min
 Lab File: BE100315.D
 Acq: 2 Jul 2019 22:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW105-062019

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	8.8	9.4	14.0	#
277	24.1	19.2	28.8	

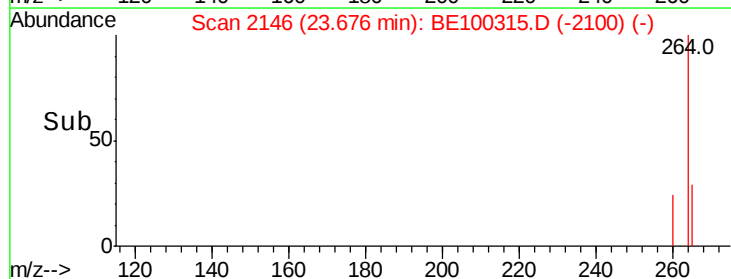
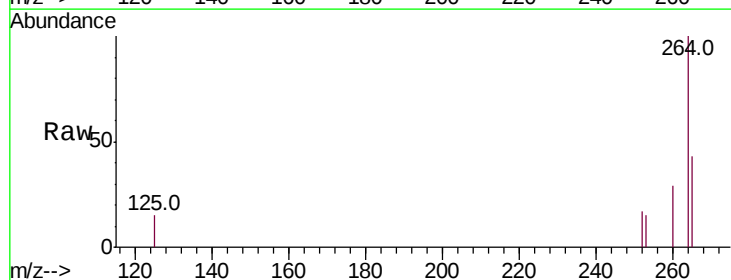
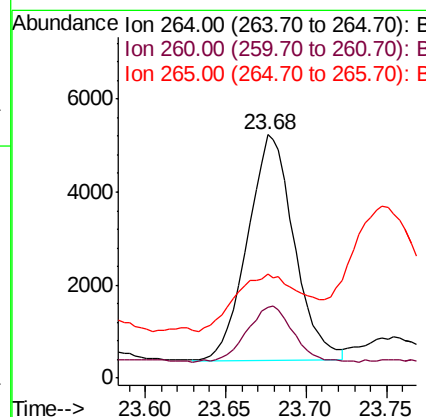
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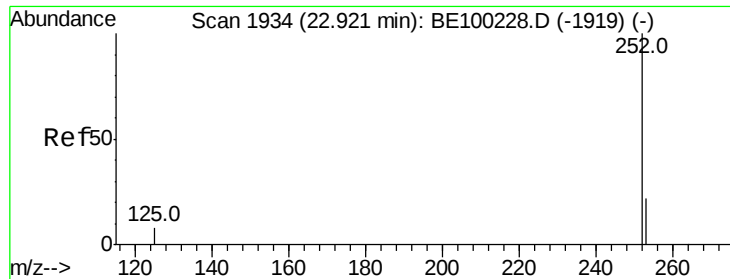
mohammad
 7/3/2019 10:49:19 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: BE100315.D
 Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	29.1	20.8	31.2	
265	42.6	21.8	32.6	#





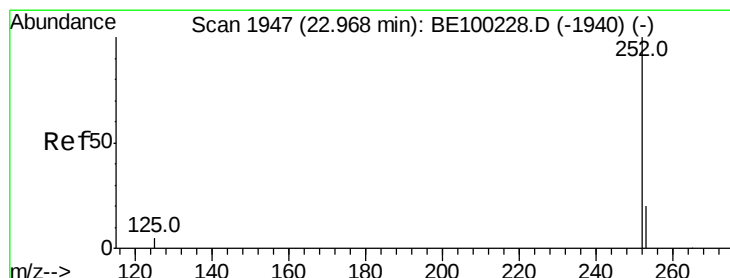
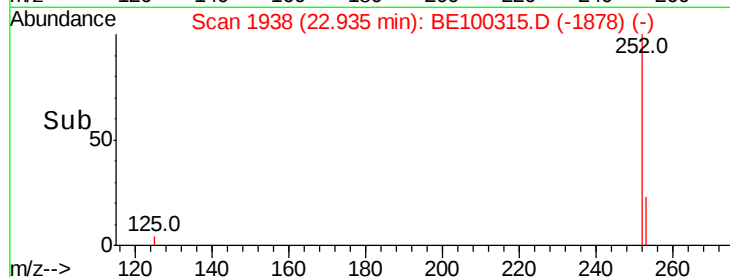
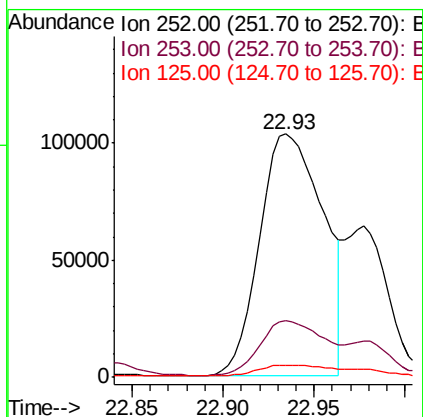
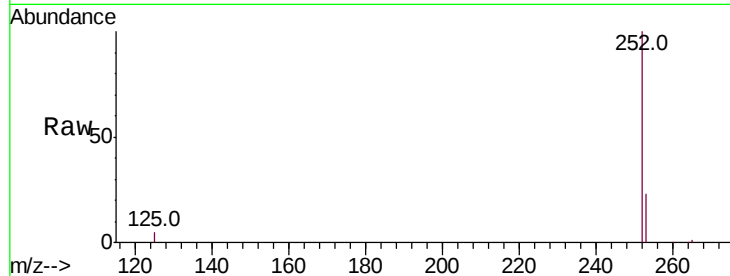
#35
Benzo(b)fluoranthene
Concen: 9.480 ng
RT: 22.93 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	5.1	7.4	11.0

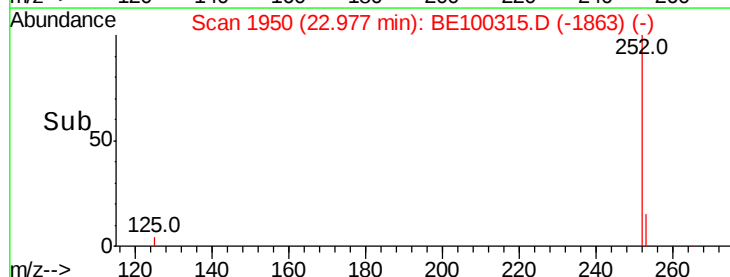
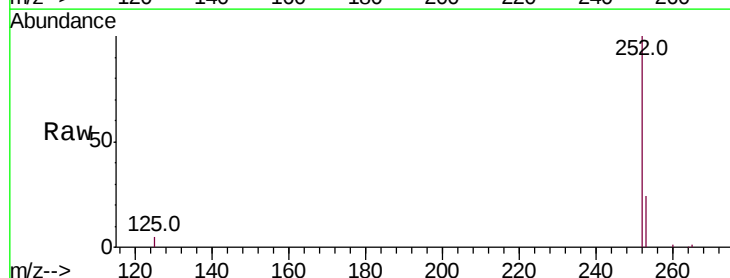
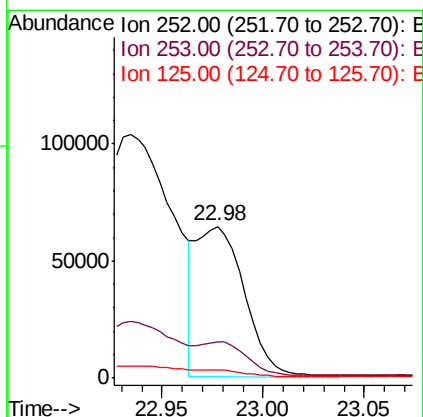
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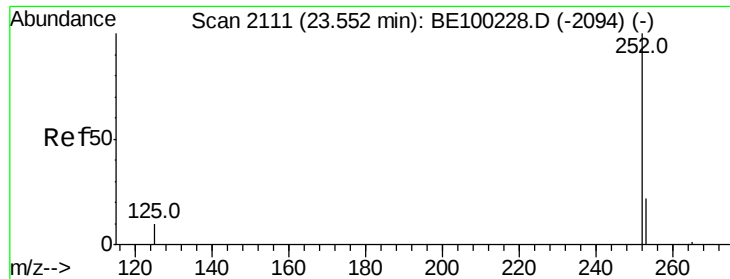
mohammad
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#36
Benzo(k)fluoranthene
Concen: 3.633 ng m
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	5.4	5.0	7.4





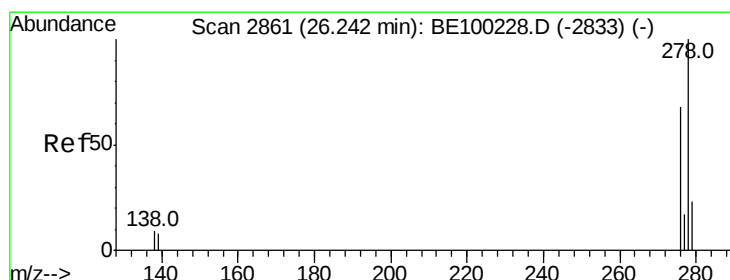
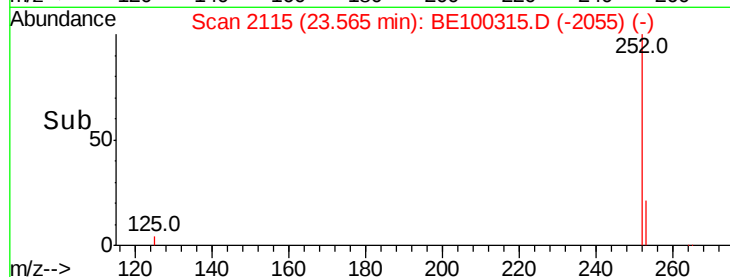
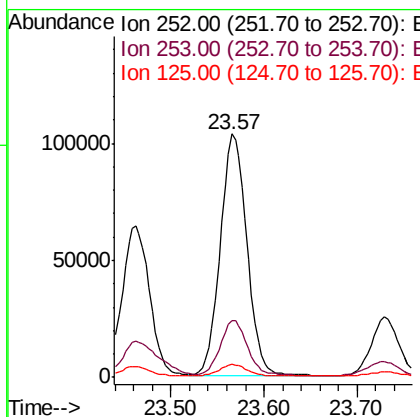
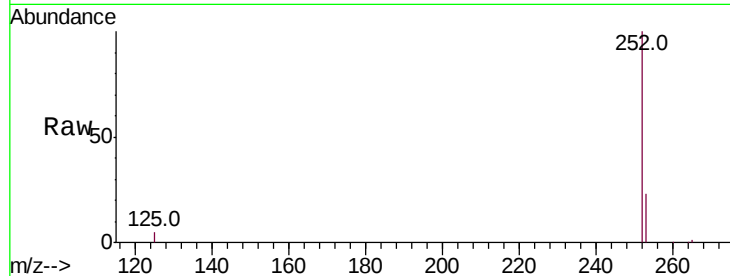
#37
Benzo(a)pyrene
Concen: 7.696 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.6	29.4
125	5.2	9.0	13.6

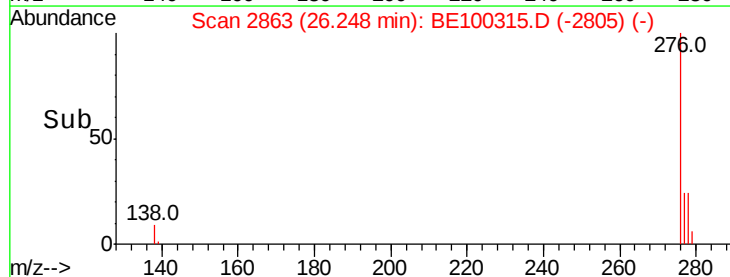
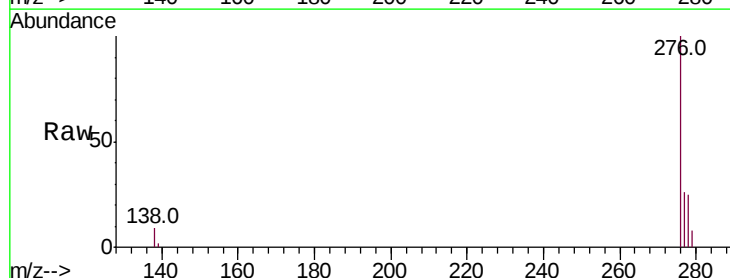
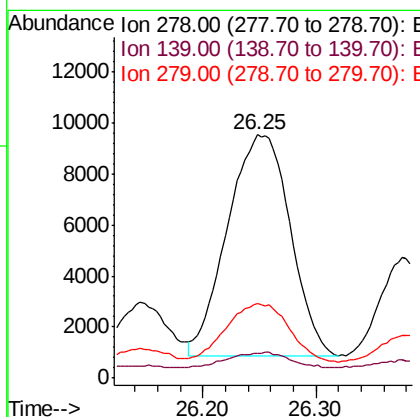
Manual Integrations
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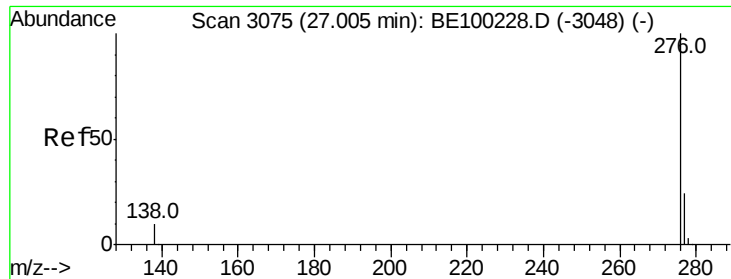
mohammad
7/3/2019 10:49:19 PM



#38
Dibenzo(a,h)anthracene
Concen: 1.197 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100315.D
Acq: 2 Jul 2019 22:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.2	12.2
279	30.4	20.3	30.5





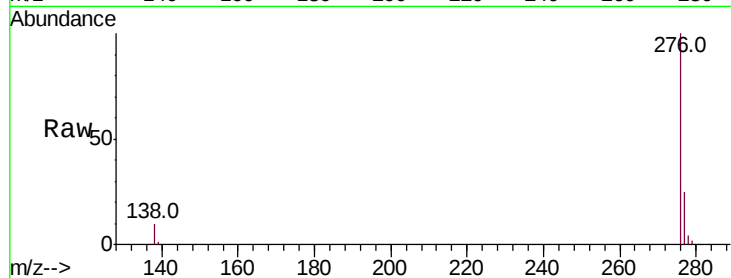
#39
 Benzo(a,h,i)perylene
 Concen: 4.760 ng
 RT: 27.04 min Scan# 3084
 Delta R.T. 0.03 min
 Lab File: BE100315.D
 Acq: 2 Jul 2019 22:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW105-062019

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.2	30.2
138	9.8	9.0	13.6

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:49:19 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

