

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100345.D
 Acq On : 4 Jul 2019 1:09
 Operator : JU/SJ
 Sample : K3560-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B220-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:55:02 AM

Quant Time: Jul 04 02:42:36 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	549	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	1868	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1598	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5074	0.40	ng	0.00
27) Chrysene-d12	21.25	240	6706	0.40	ng	0.00
34) Perylene-d12	23.66	264	8080	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	569	0.41	ng	-0.01
5) Phenol-d6	6.83	99	681	0.37	ng	-0.01
8) Nitrobenzene-d5	8.81	82	692	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1299	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	485	0.43	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2030	0.33	ng	-0.01
25) Fluoranthene-d10	19.09	212	23226	0.32	ng	0.00
29) Terphenyl-d14	19.69	244	5195	0.37	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	496	0.024	ng	# 72
16) Acenaphthylene	14.04	152	431	0.056	ng	# 89
18) Fluorene	15.35	166	172	0.027	ng	# 75
23) Phenanthrene	17.09	178	4545	0.370	ng	99
24) Anthracene	17.19	178	751	0.068	ng	96
26) Fluoranthene	19.12	202	12158	0.621	ng	100
28) Pyrene	19.48	202	11929	0.672	ng	97
30) Benzo(a)anthracene	21.22	228	7689	0.349	ng	# 94
31) Chrysene	21.28	228	7455m	0.337	ng	
32) Bis(2-ethylhexyl)phthalate	21.15	149	5685	0.125	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	4456	0.152	ng	96
35) Benzo(b)fluoranthene	22.92	252	8890	0.406	ng	# 93
36) Benzo(k)fluoranthene	22.96	252	3212m	0.131	ng	
37) Benzo(a)pyrene	23.55	252	6336	0.289	ng	# 89
38) Dibenzo(a,h)anthracene	26.23	278	991	0.043	ng	# 45
39) Benzo(g,h,i)perylene	27.00	276	4503	0.191	ng	# 90

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

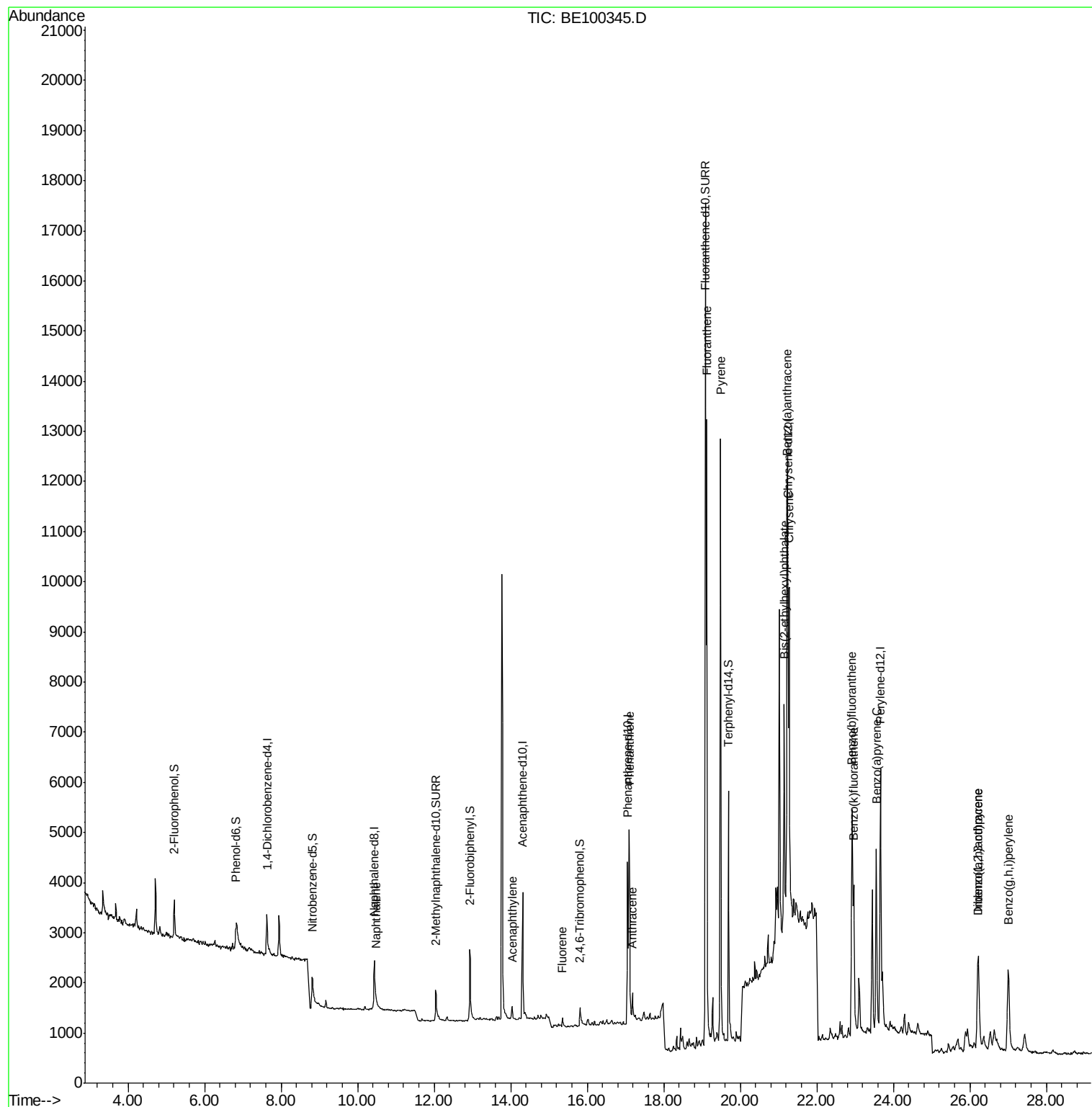
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100345.D
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Sample : K3560-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

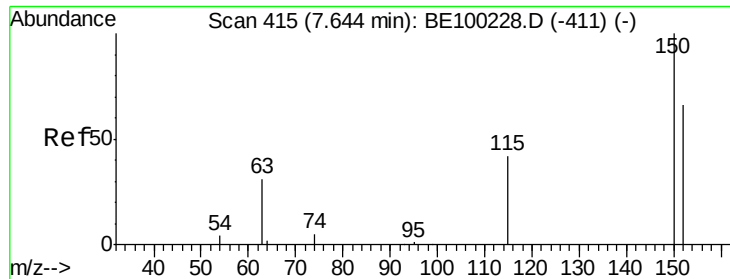
Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

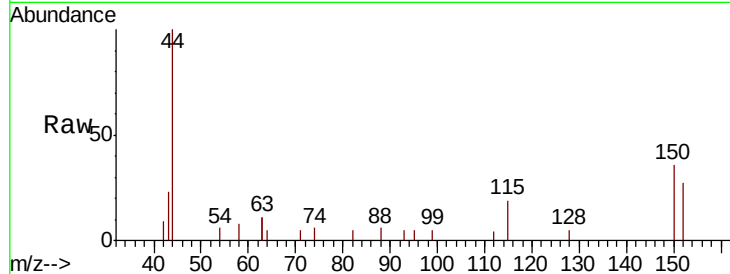
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.4	114.5	171.7
115	71.2	57.1	85.7

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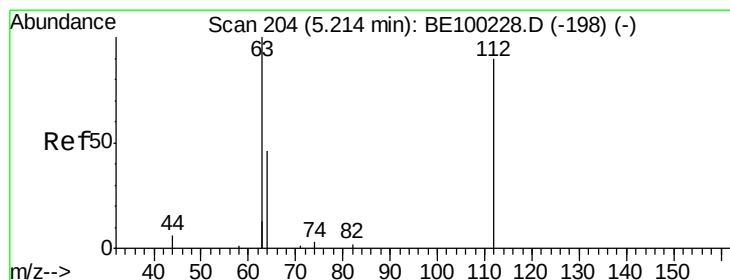
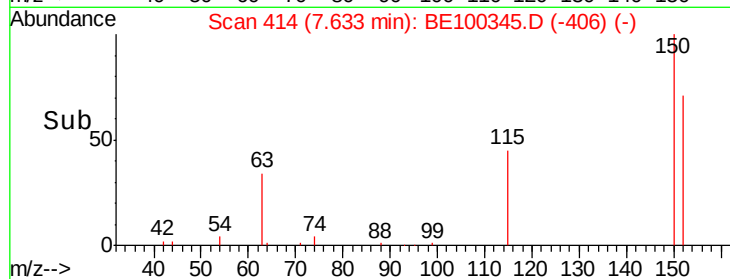
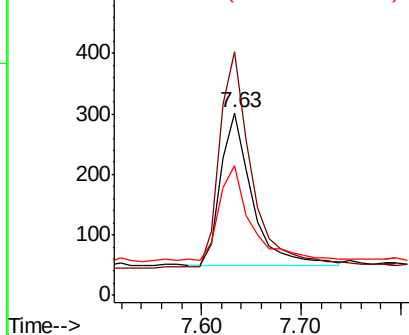


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

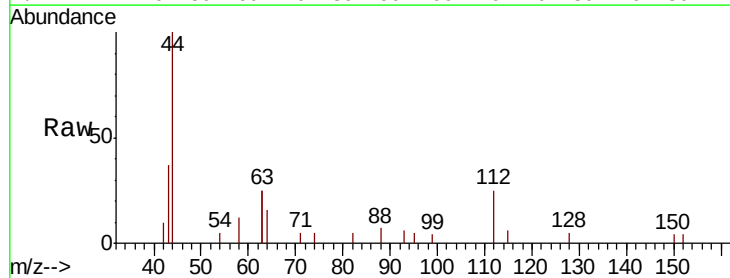
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.406 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	39.4	59.0
63	139.7	104.5	156.7

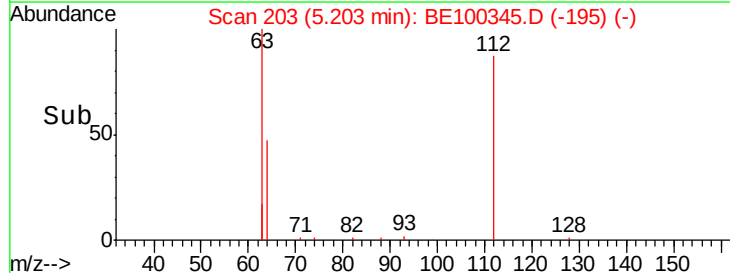
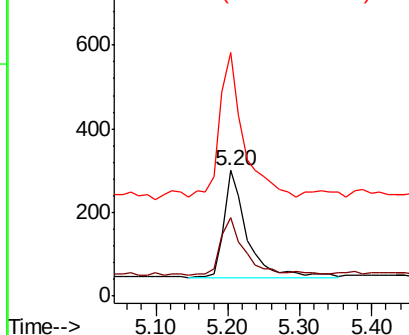


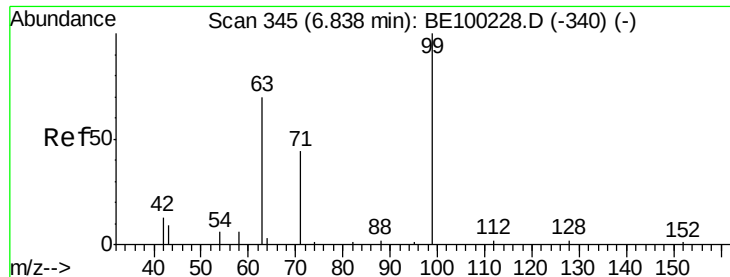
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Instrument :

BNA_E

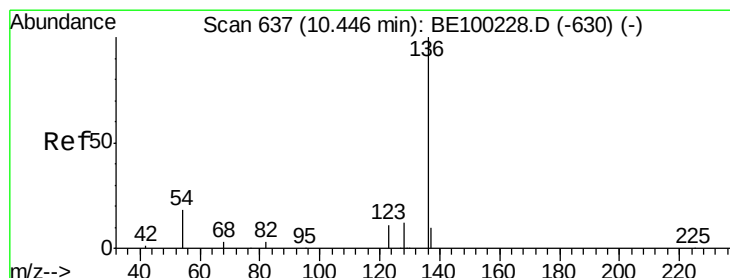
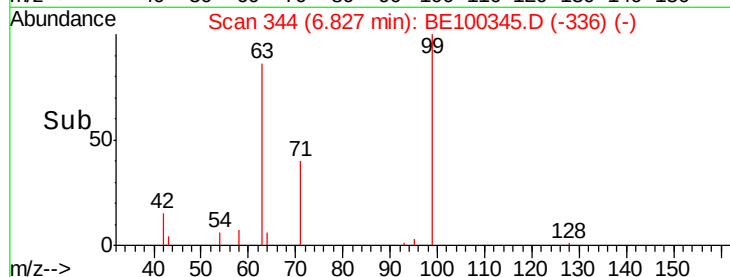
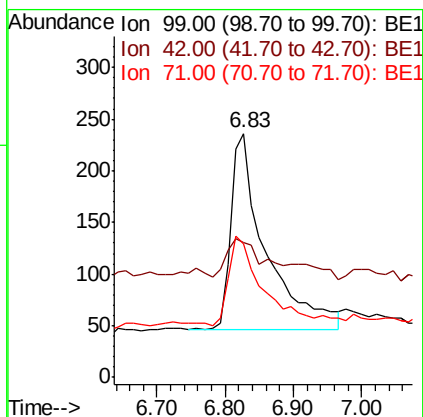
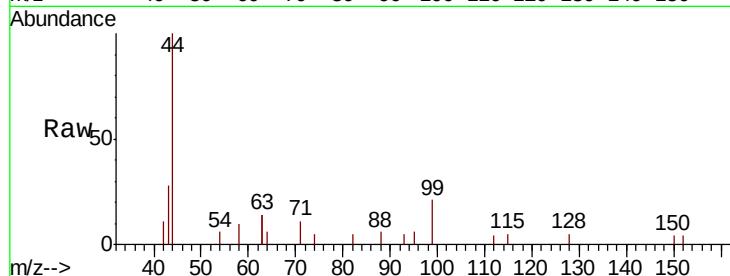
ClientSampleId :

PST-009-B220-062419

Tot Ion:	99	Resp:	681
Ion	Ratio	Lower	Upper
99	100		
42	19.2	11.2	16.8#
71	47.1	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

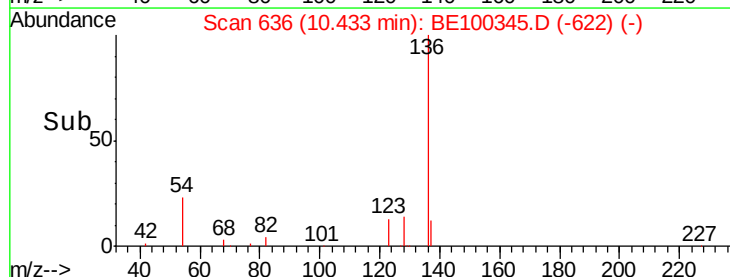
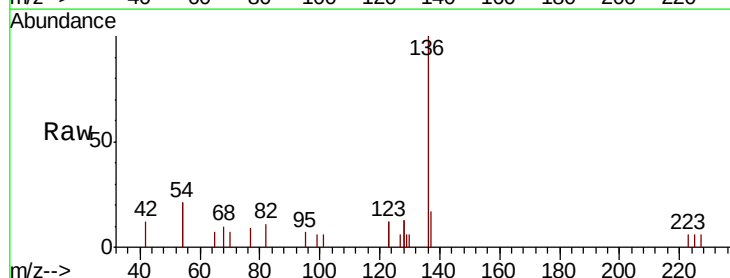
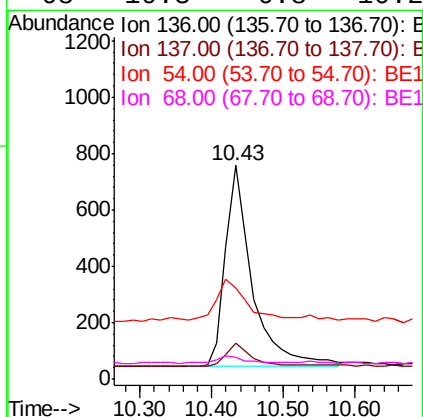
RT: 10.43 min Scan# 636

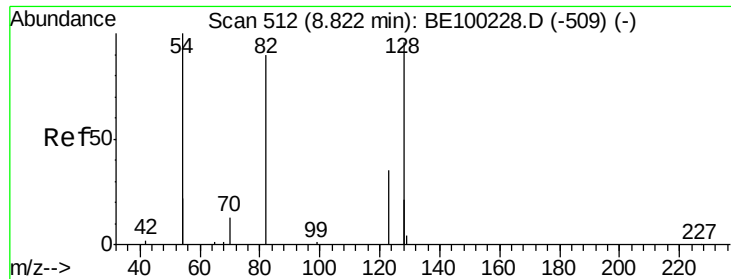
Delta R.T. -0.01 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Tgt Ion:	136	Resp:	1868
Ion	Ratio	Lower	Upper
136	100		
137	17.0	11.8	17.8
54	42.7	27.7	41.5#
68	10.3	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Instrument :

BNA_E

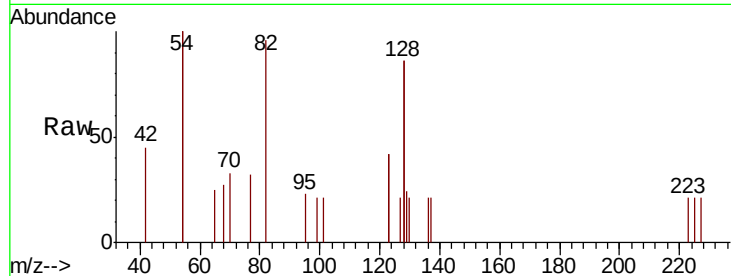
ClientSampleId :

PST-009-B220-062419

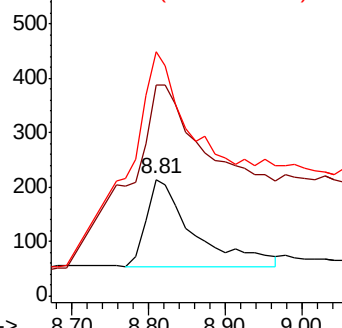
Tot Ion:	82	Resp:	692
Ion Ratio	Lower	Upper	
82	100		
128	180.4	140.9	211.3
54	209.3	146.2	219.2

Manual Integrations
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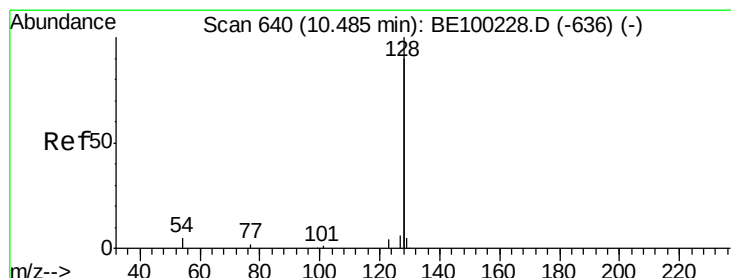
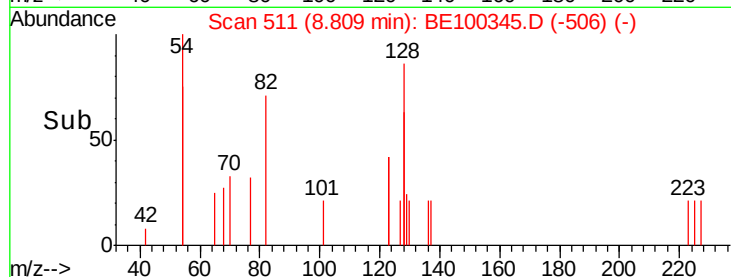
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.024 ng

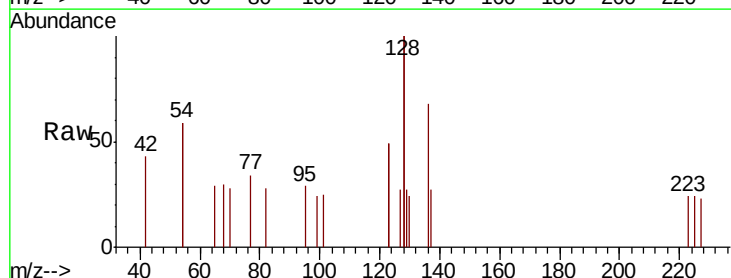
RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

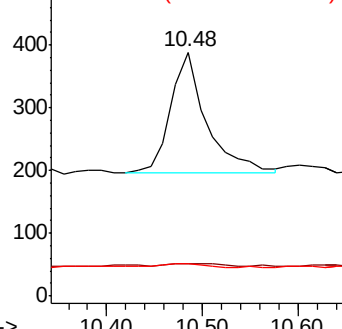
Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

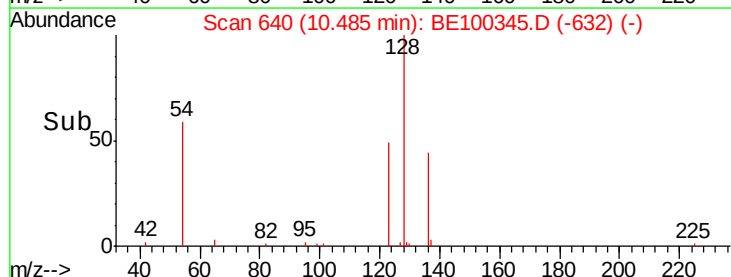
Tgt Ion:	128	Resp:	496
Ion Ratio	Lower	Upper	
128	100		
129	13.4	3.0	4.6#
127	13.4	3.5	5.3#

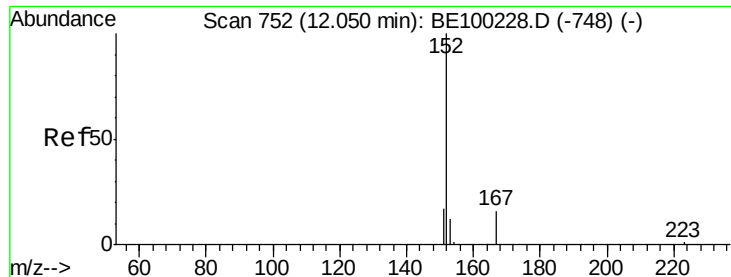


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





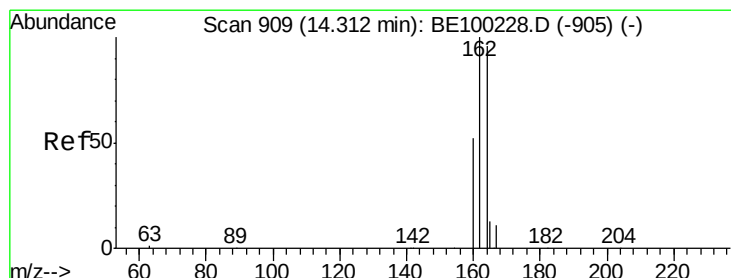
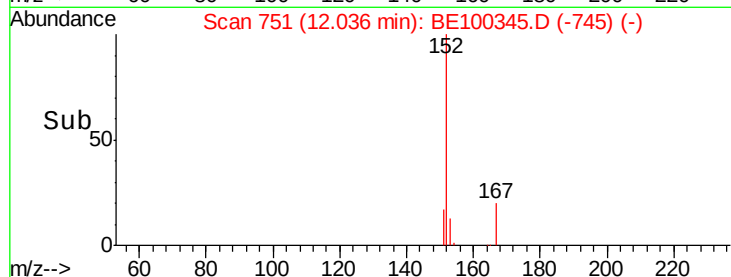
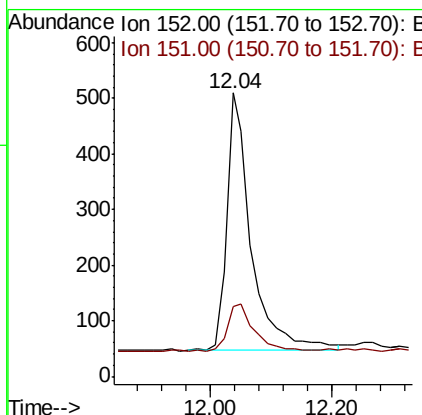
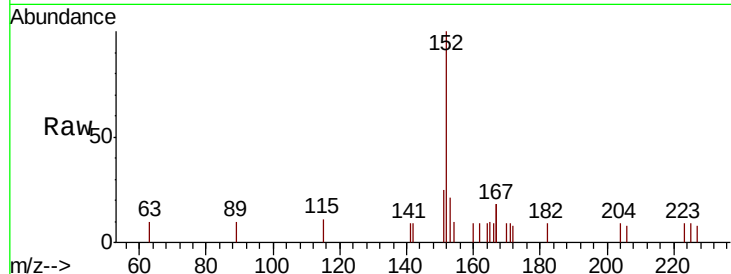
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.1	22.7

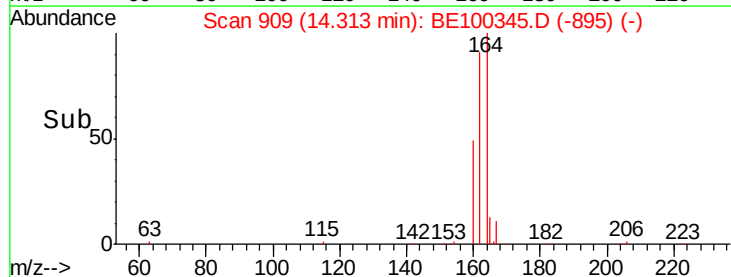
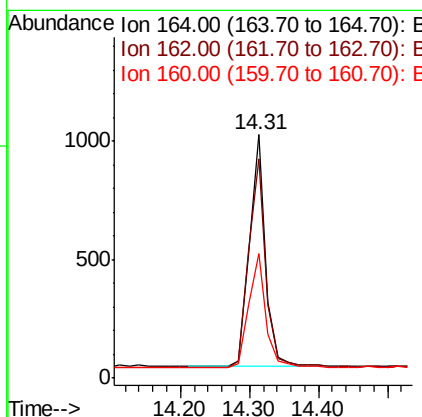
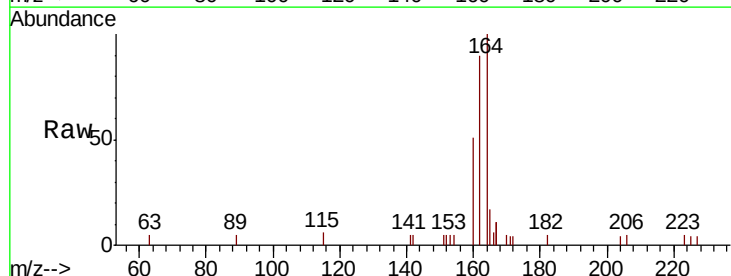
Manual Integrations
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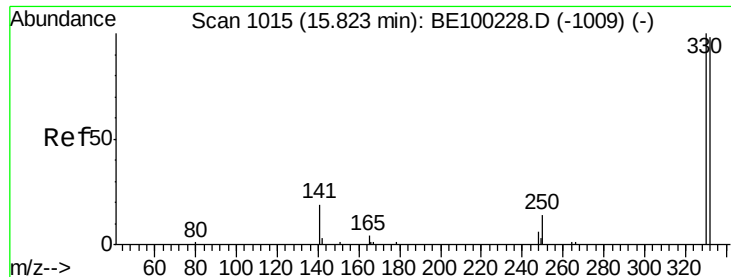
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	90.3	83.4	125.0
160	51.3	45.0	67.6





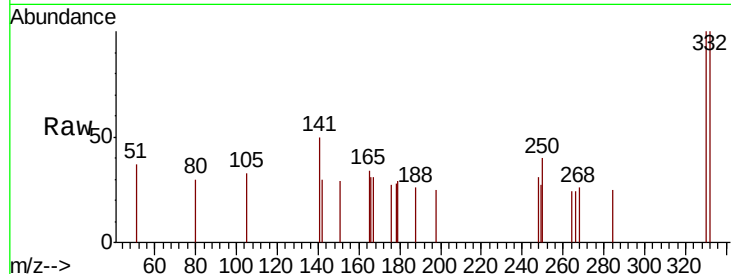
#14
2,4,6-Tribromophenol
Concen: 0.434 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.6	77.0	115.4	
141	23.1	22.0	33.0	

Manual Integrations
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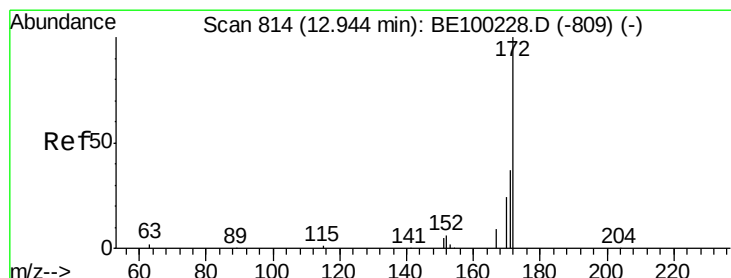
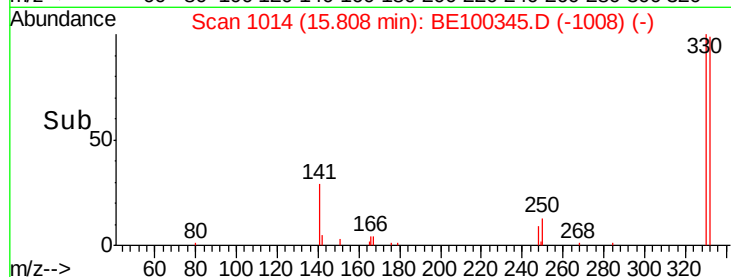
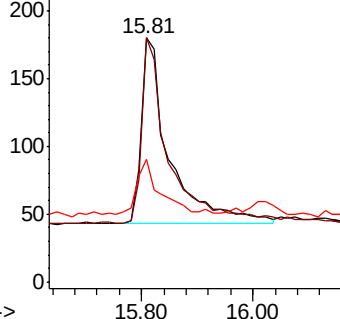


Abundance

Ion 330.00 (329.70 to 330.70): E

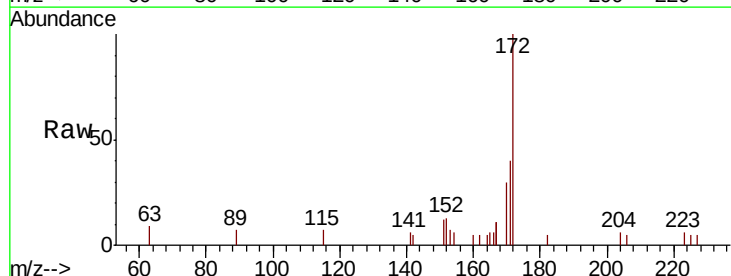
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	40.3	31.9	47.9	
170	30.3	22.2	33.2	

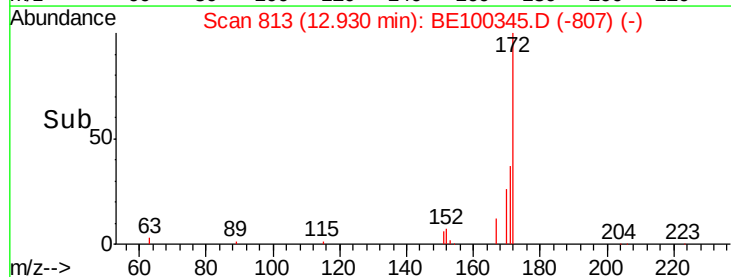
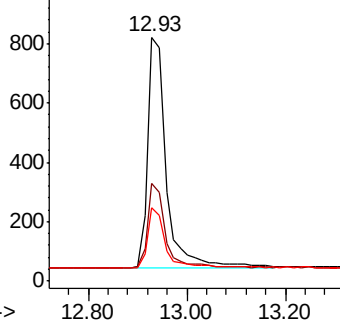


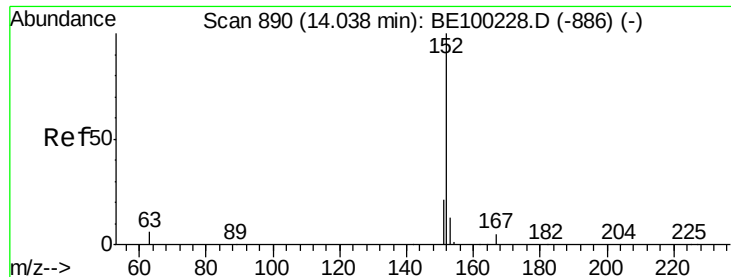
Abundance

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





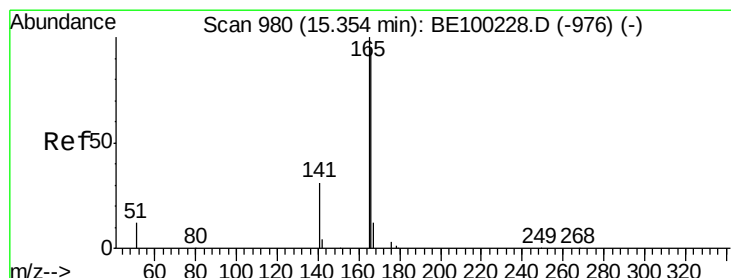
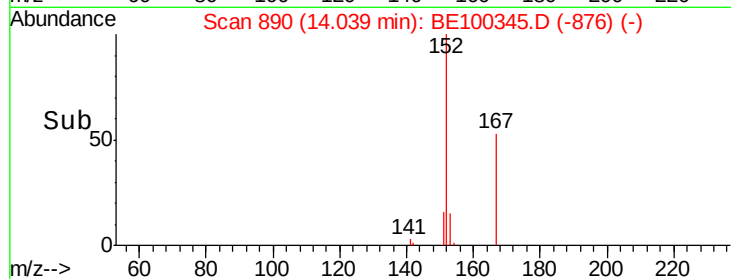
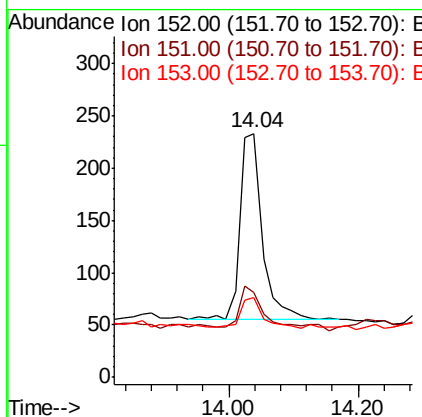
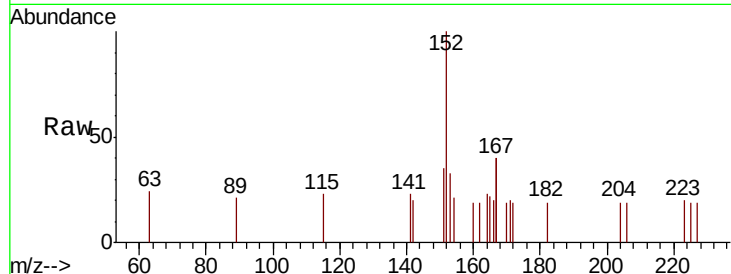
#16
Acenaphthylene
Concen: 0.056 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	26.9	16.6	25.0#
153	16.0	10.5	15.7#

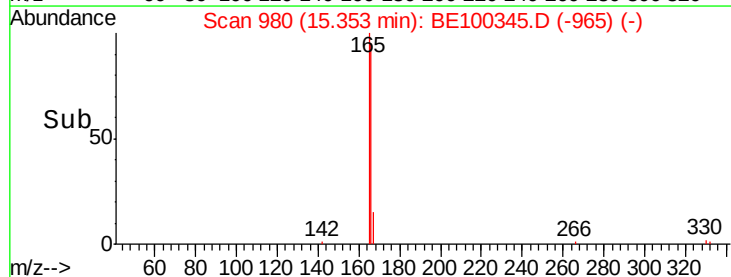
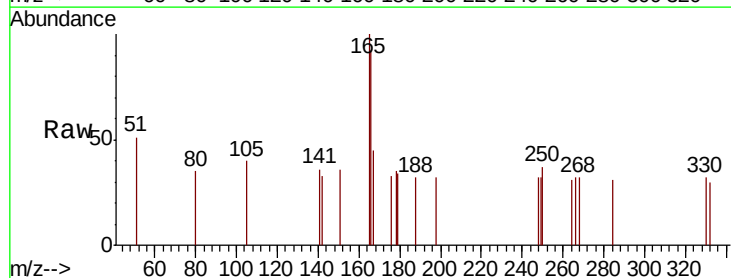
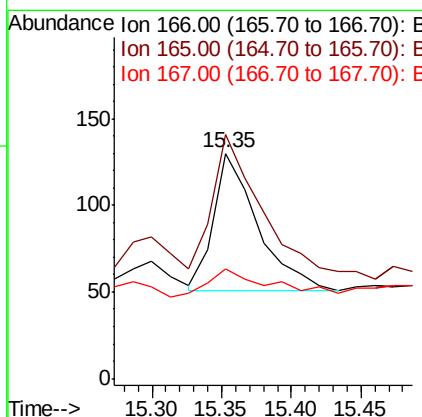
Manual Integrations
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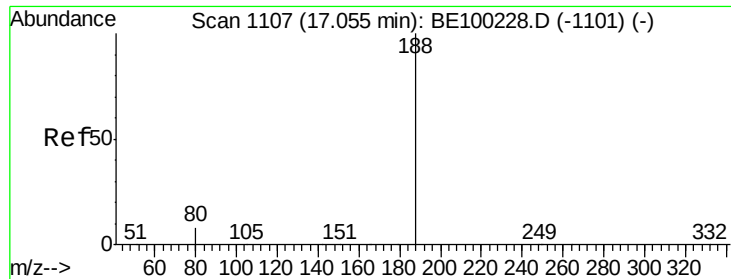
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#18
Fluorene
Concen: 0.027 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	124.4	81.1	121.7#
167	29.7	10.7	16.1#





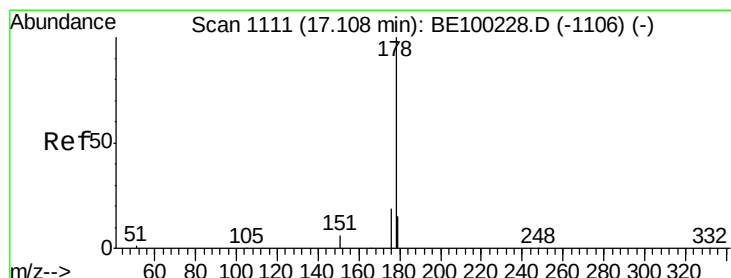
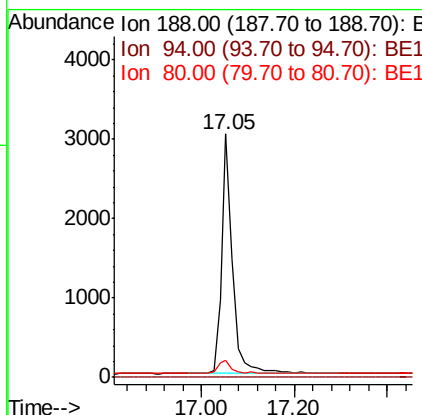
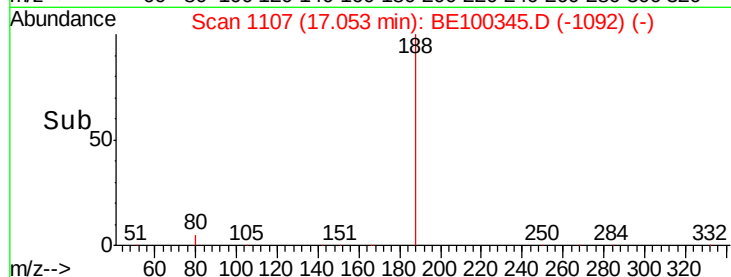
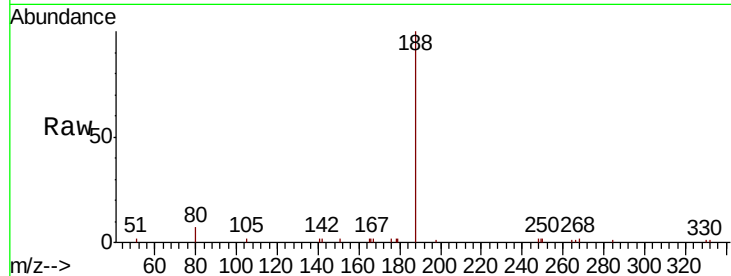
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	7.6	11.4#

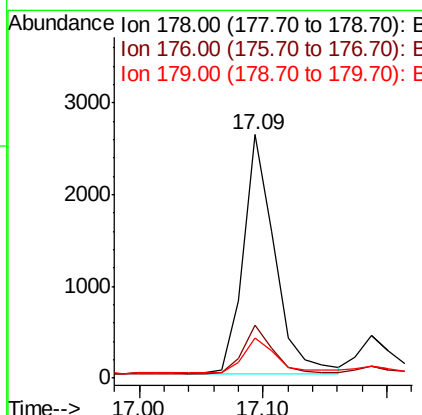
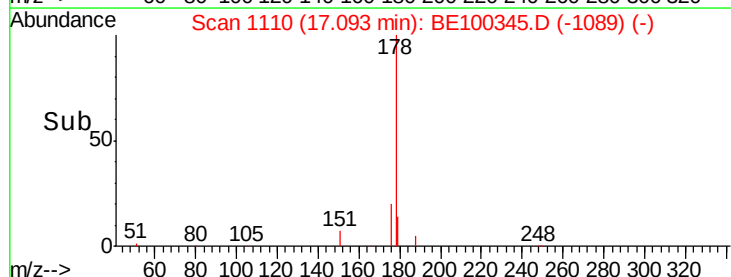
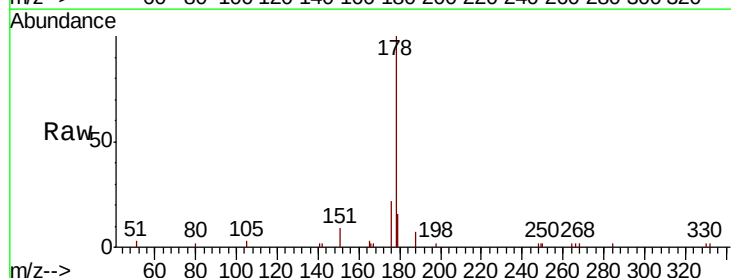
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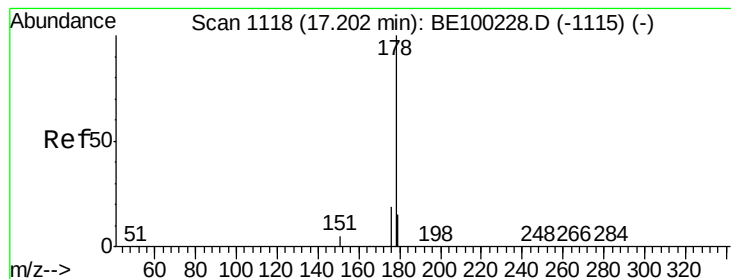
mohammad
7/5/2019 8:55:02 AM



#23
Phenanthrene
Concen: 0.370 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	16.0	12.2	18.2





#24

Anthracene

Concen: 0.068 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Instrument :

BNA_E

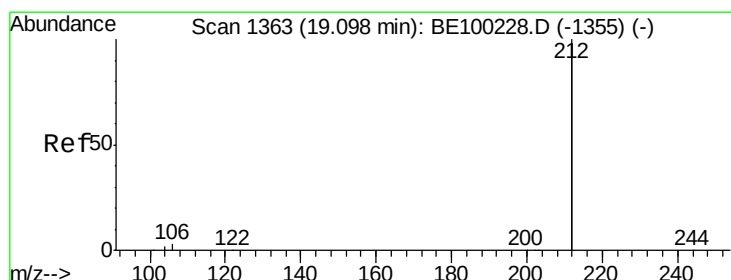
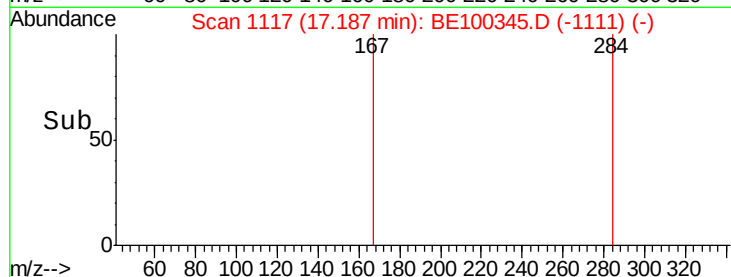
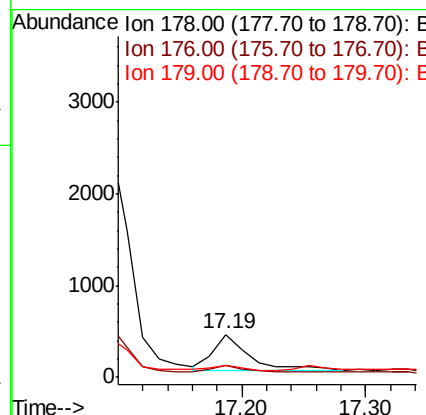
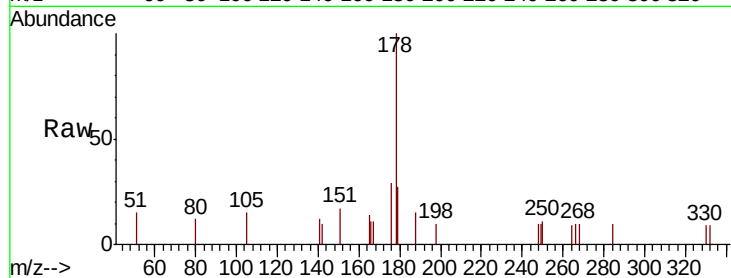
ClientSampleId :

PST-009-B220-062419

Tot Ion:	178	Resp:	751
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.3	22.9
179	12.6	12.2	18.2

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mohammad
7/5/2019 8:55:02 AM



#25

Fluoranthene-d10

Concen: 0.315 ng

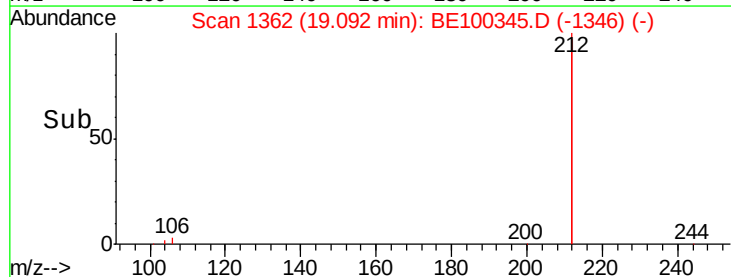
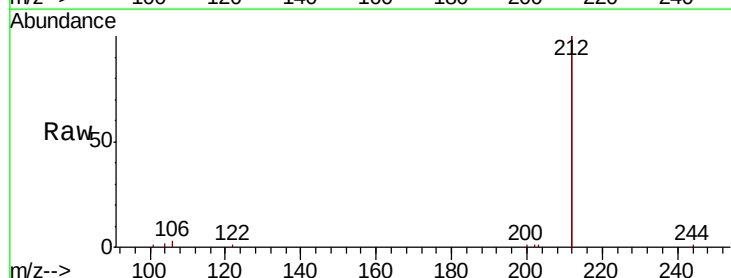
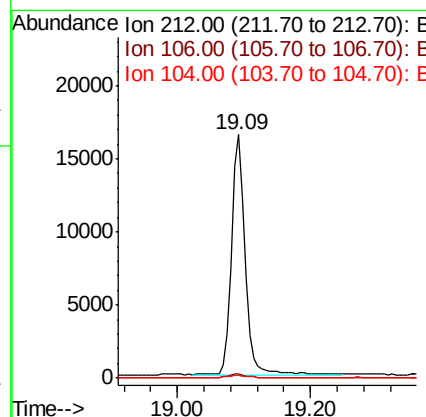
RT: 19.09 min Scan# 1362

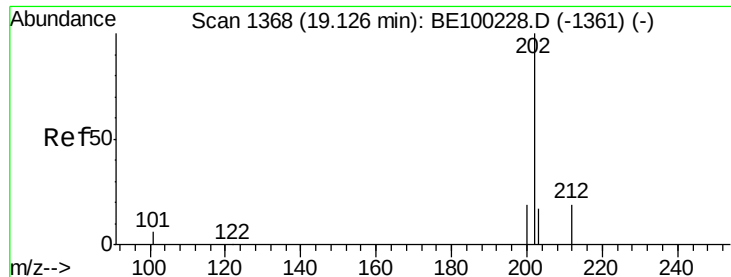
Delta R.T. -0.01 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Tgt Ion:	212	Resp:	23226
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2





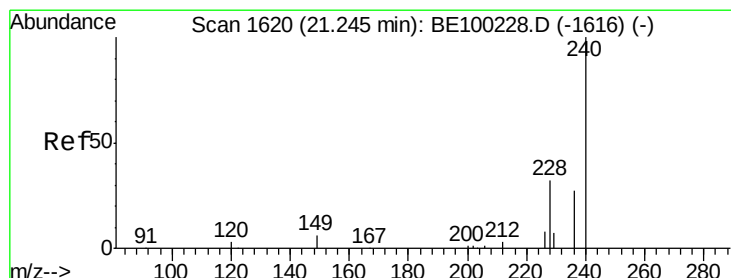
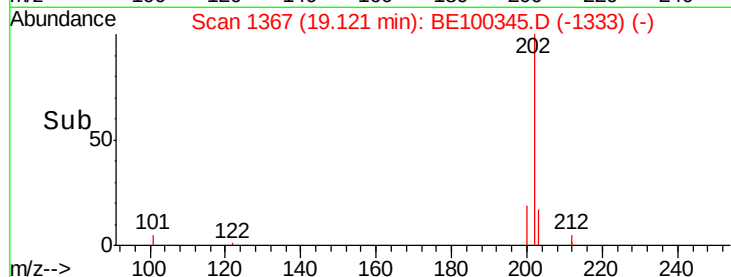
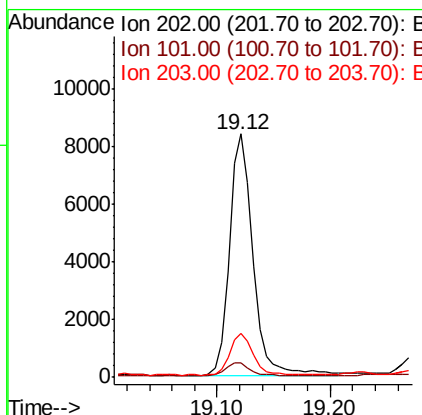
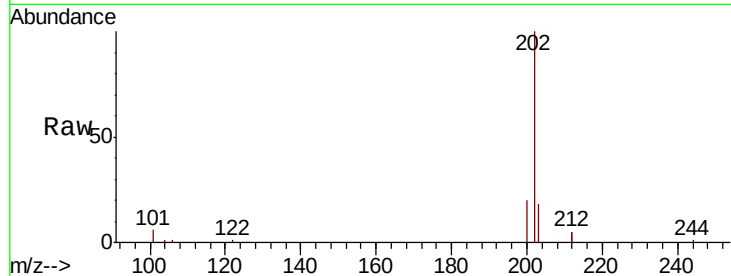
#26
Fluoranthene
Concen: 0.621 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.2	13.7	20.5

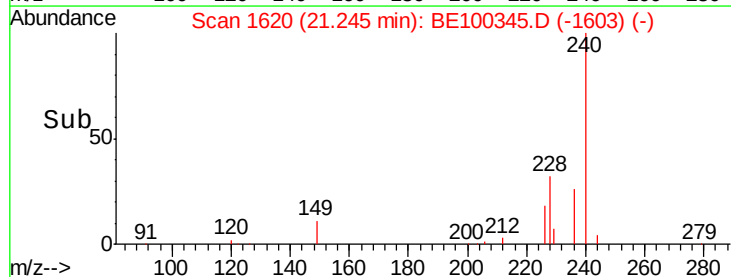
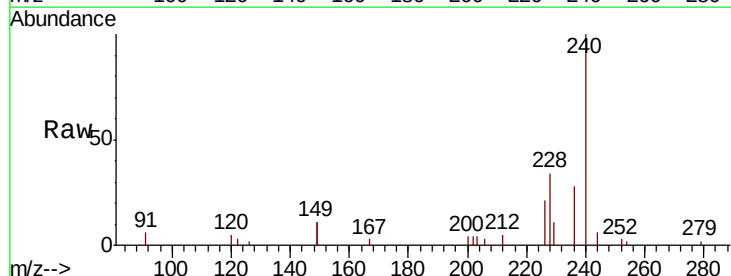
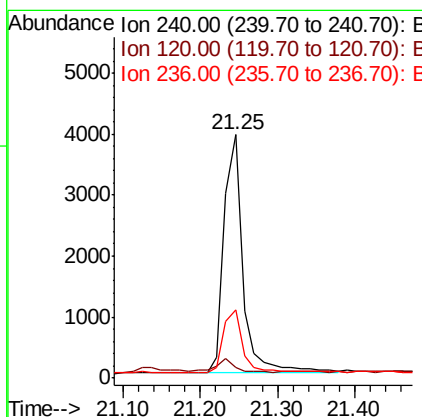
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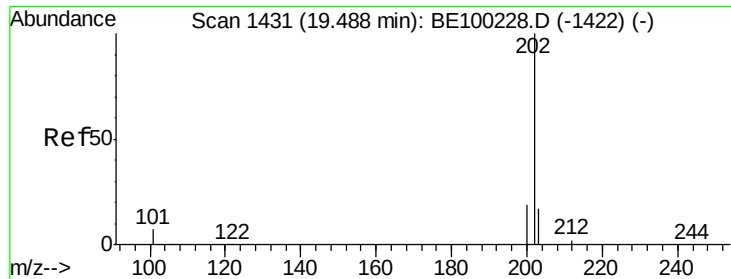
mohammad
7/5/2019 8:55:02 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.3	4.9
236	28.1	22.6	34.0





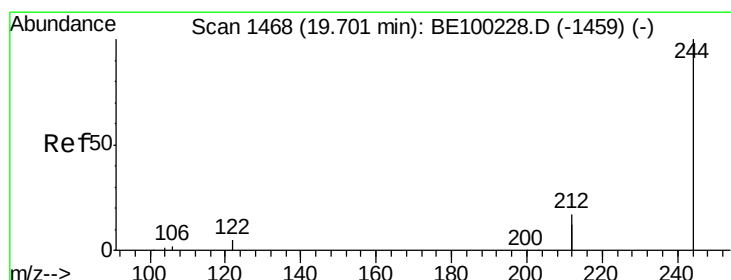
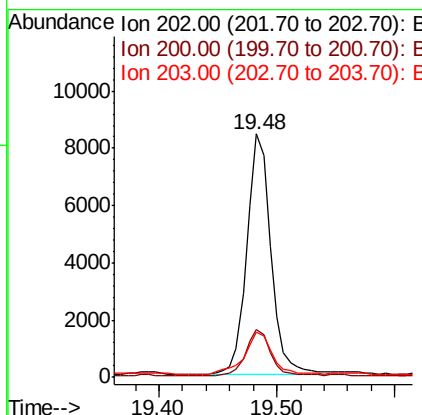
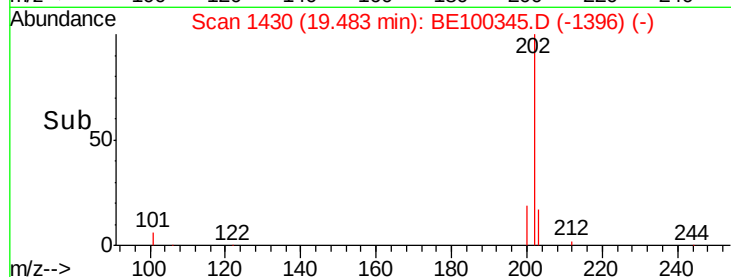
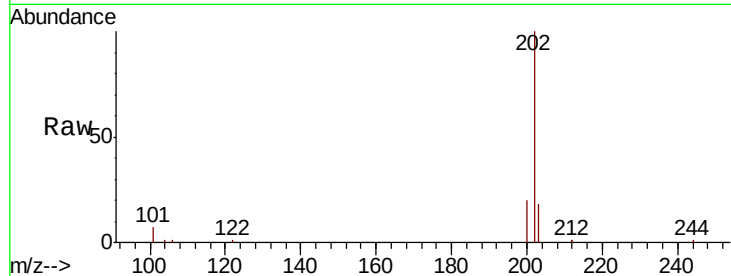
#28
Pvrene
Concen: 0.672 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.4	15.6	23.4	
203	20.1	14.0	21.0	

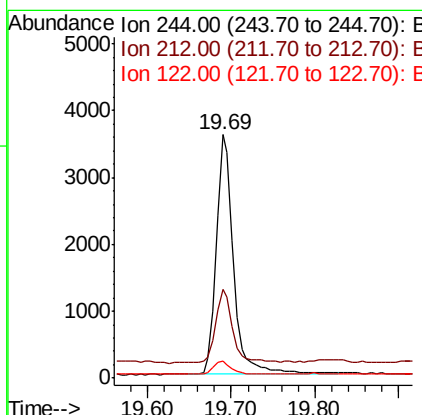
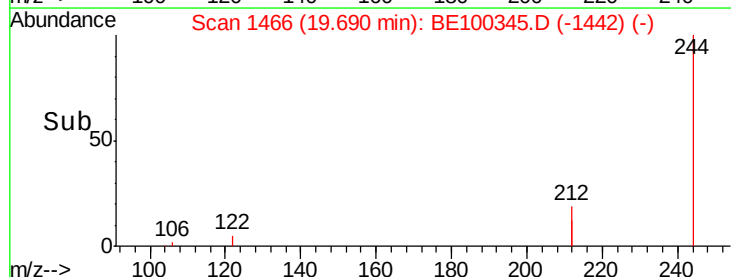
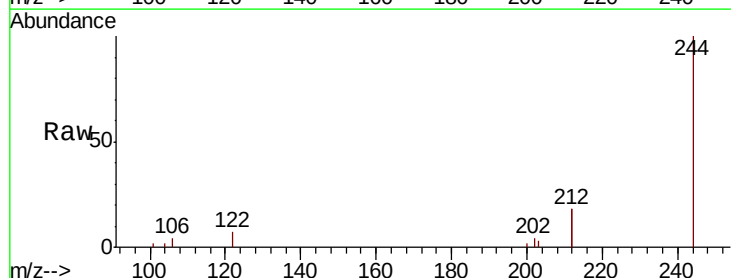
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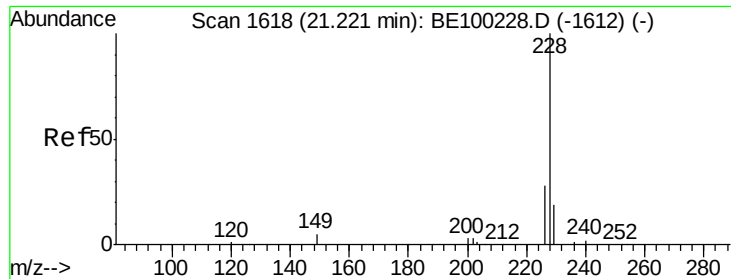
mohammad
7/5/2019 8:55:02 AM



#29
Terphenyl-d14
Concen: 0.374 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	36.5	27.3	40.9	
122	7.1	4.7	7.1	





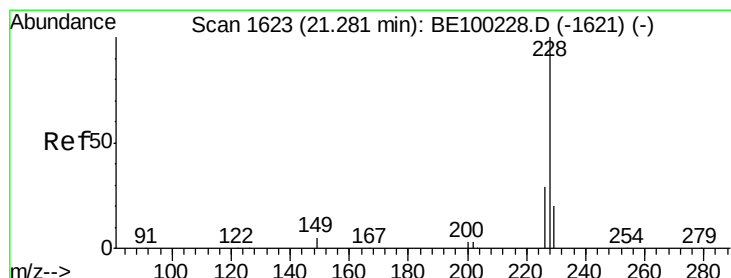
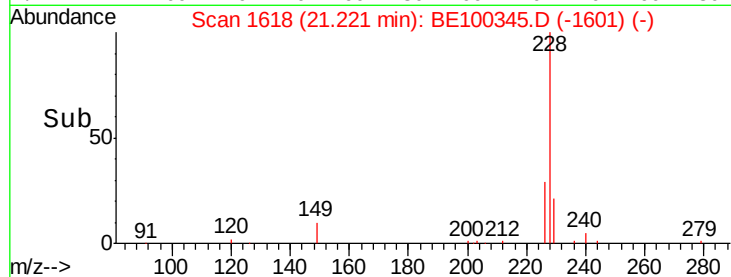
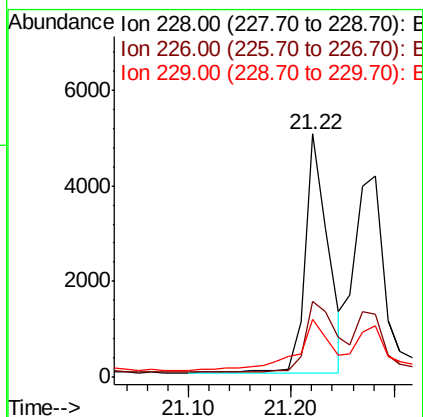
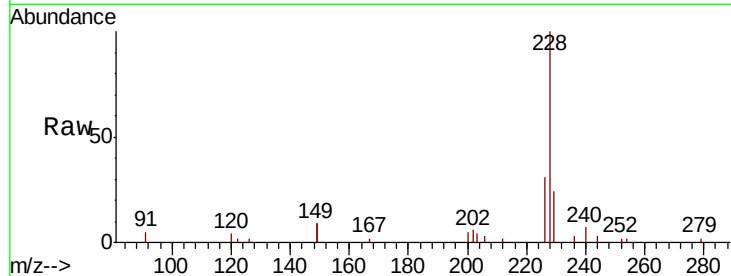
#30
Benzo(a)anthracene
Concen: 0.349 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.2	34.8
229	23.9	15.7	23.5

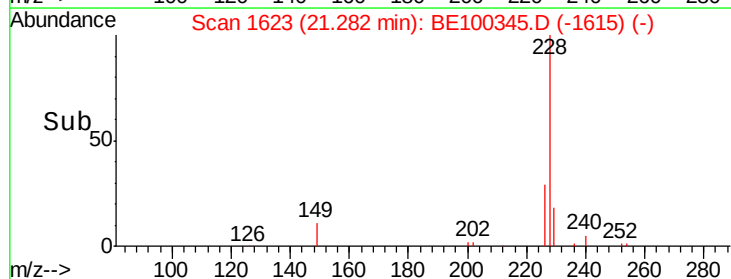
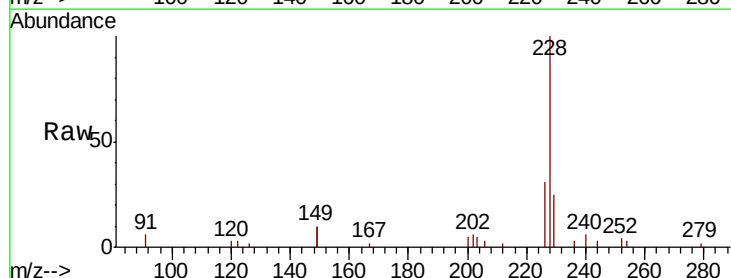
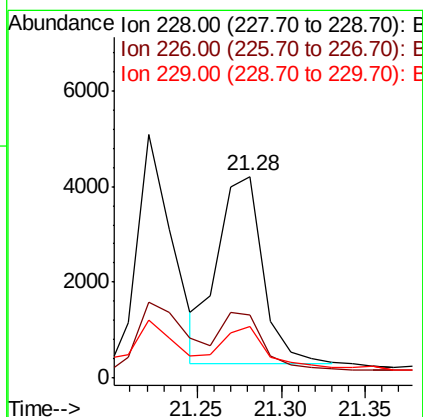
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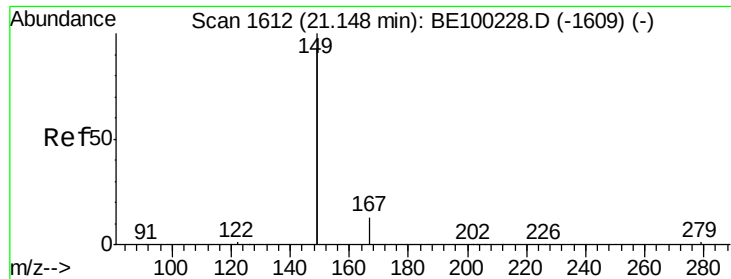
mohammad
7/5/2019 8:55:02 AM



#31
Chrysene
Concen: 0.337 ng m
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	25.5	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.125 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

Instrument :

BNA_E

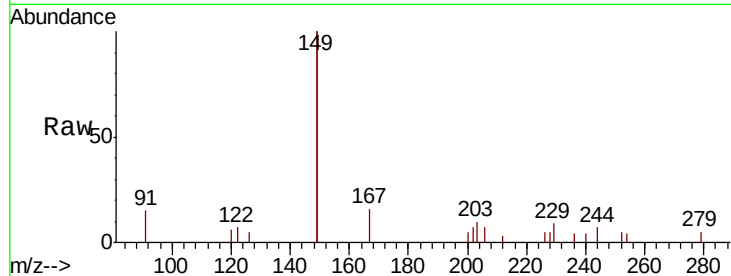
ClientSampleId :

PST-009-B220-062419

Tot Ion:	149	Resp:	5685
Ion Ratio	Lower	Upper	
149	100		
167	6.0	5.8	8.8
279	1.2	1.1	1.7

Manual Integrations
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7/5/2019 8:55:02 AM

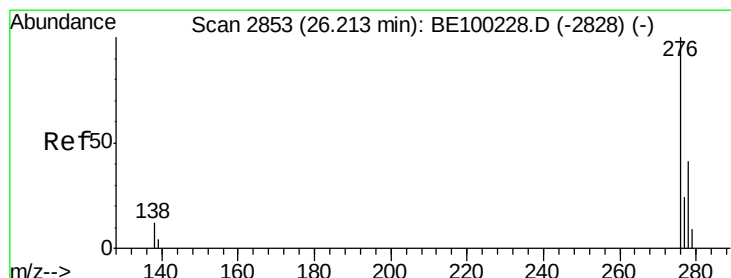
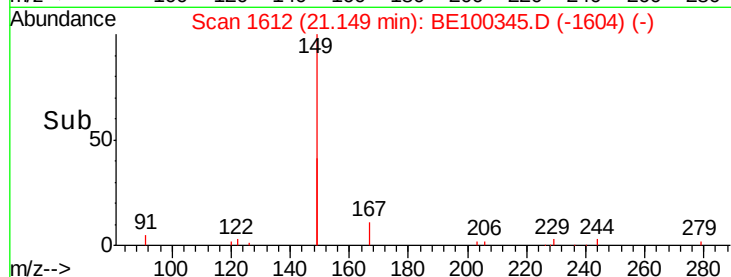
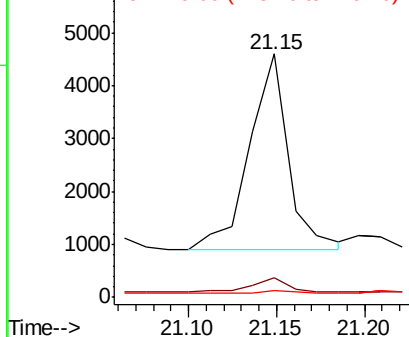


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.152 ng

RT: 26.22 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE100345.D

Acq: 4 Jul 2019 1:09

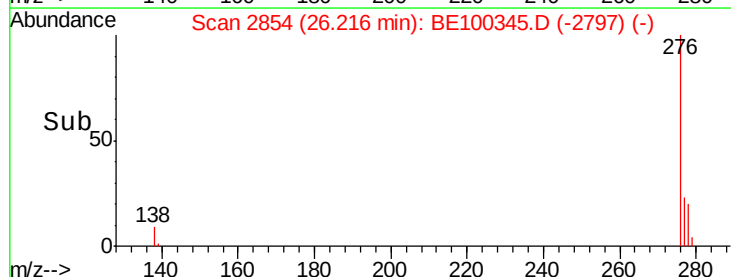
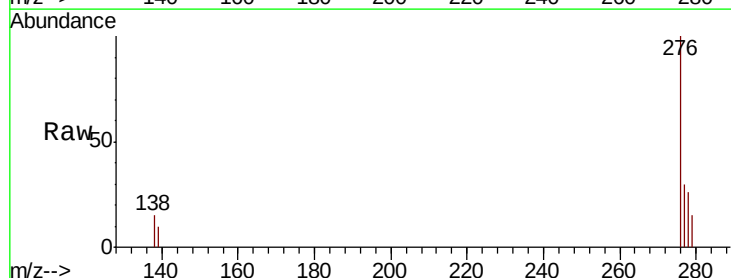
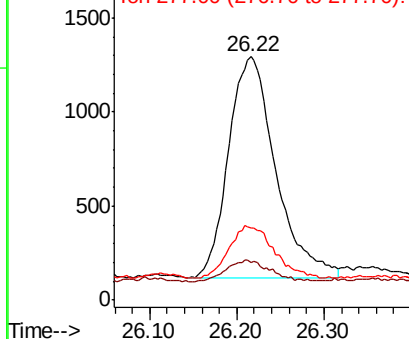
Tgt Ion:	276	Resp:	4456
Ion Ratio	Lower	Upper	
276	100		
138	9.7	9.4	14.0
277	22.4	19.2	28.8

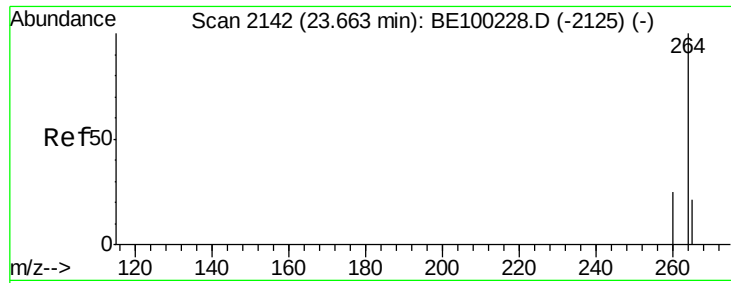
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





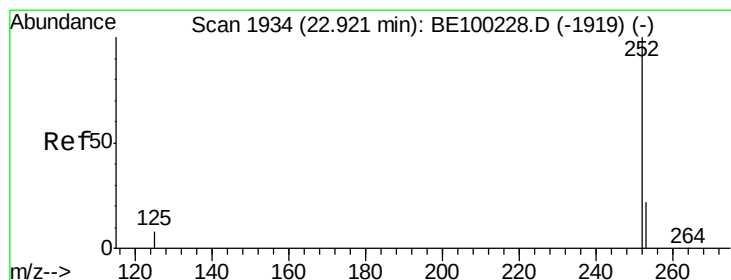
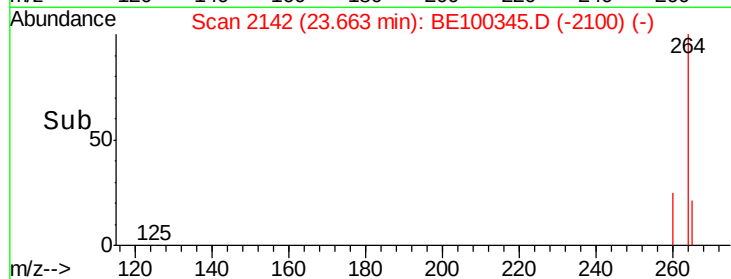
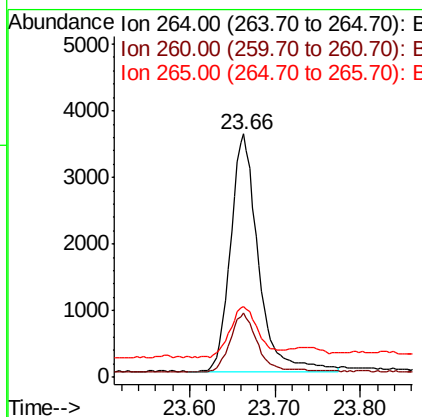
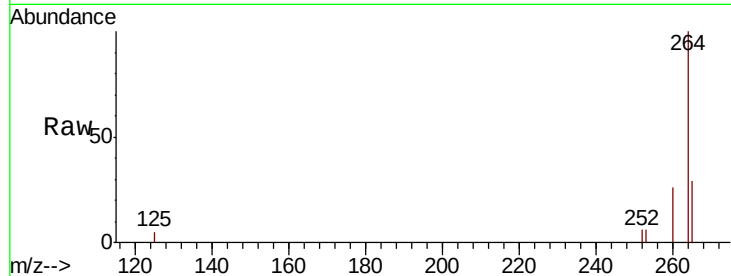
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: BE100345.D
 Acq: 4 Jul 2019 1:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	28.9	21.8	32.6

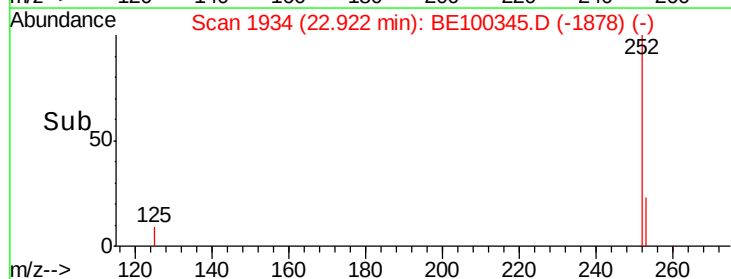
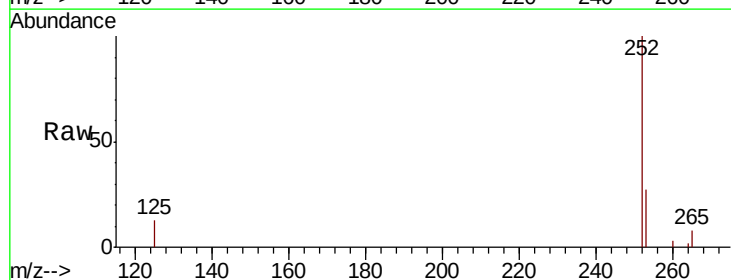
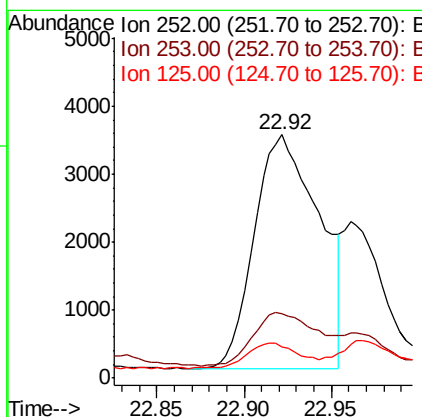
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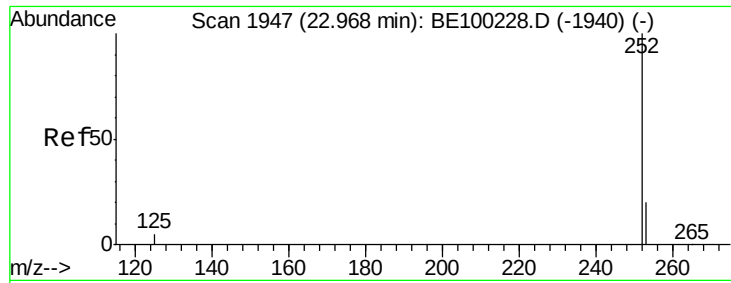
mohammad
 7/5/2019 8:55:02 AM



#35
 Benzo(b)fluoranthene
 Concen: 0.406 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100345.D
 Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.2	28.8
125	12.9	7.4	11.0





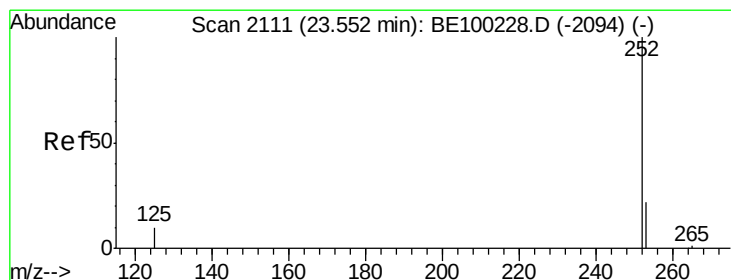
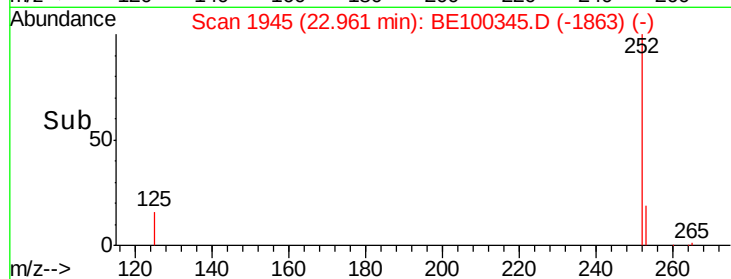
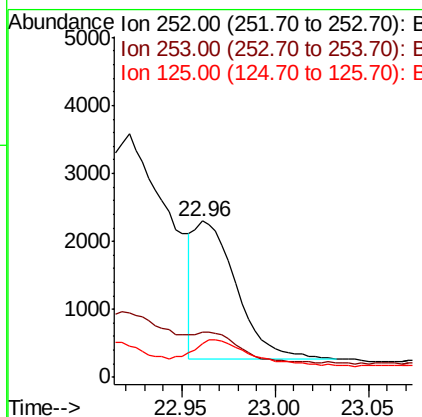
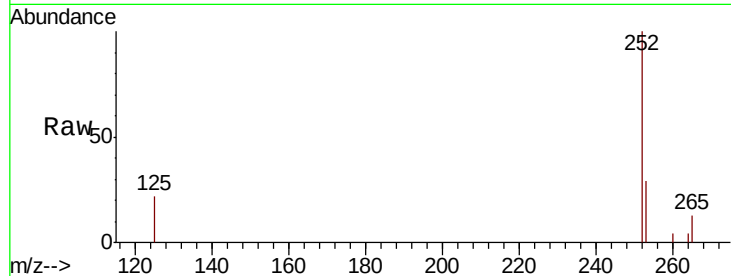
#36
Benzo(k)fluoranthene
Concen: 0.131 ng m
RT: 22.96 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	21.6	5.0	7.4#

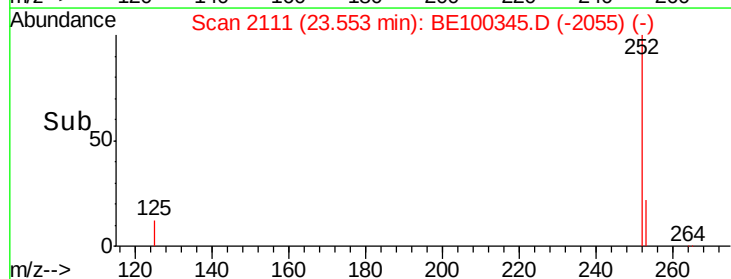
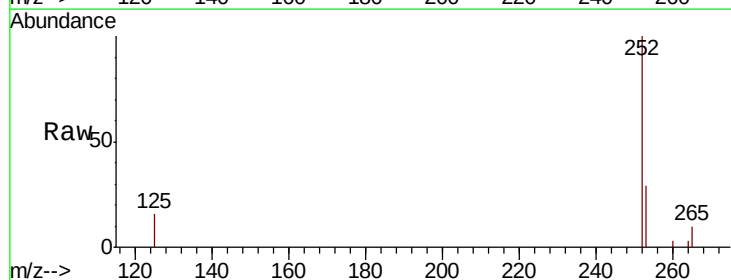
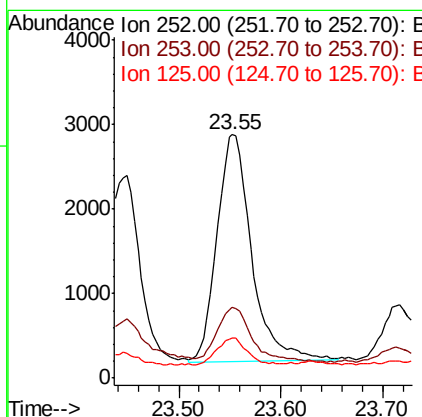
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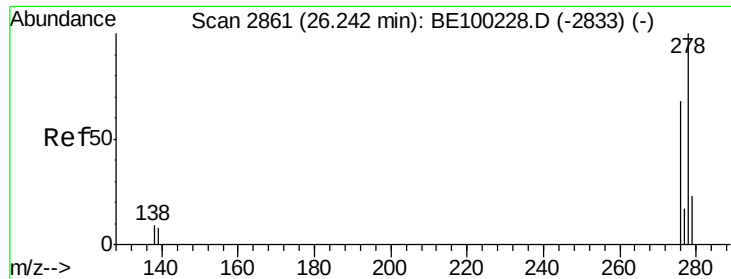
mohammad
7/5/2019 8:55:02 AM



#37
Benzo(a)pyrene
Concen: 0.289 ng
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.6	29.4
125	16.4	9.0	13.6#





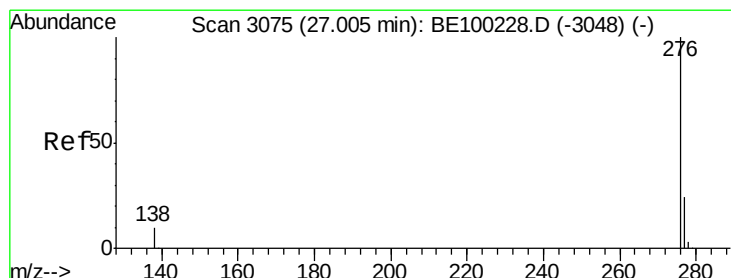
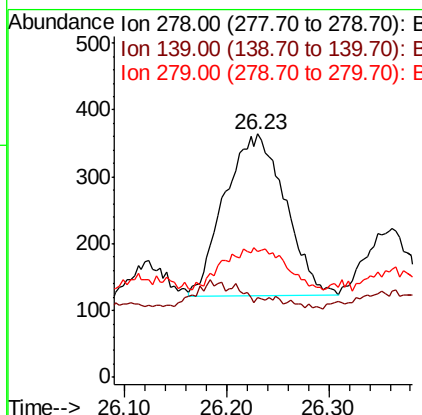
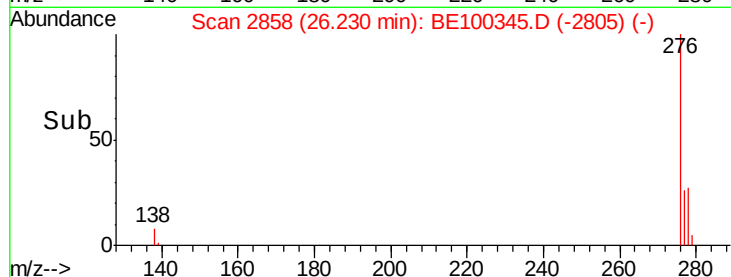
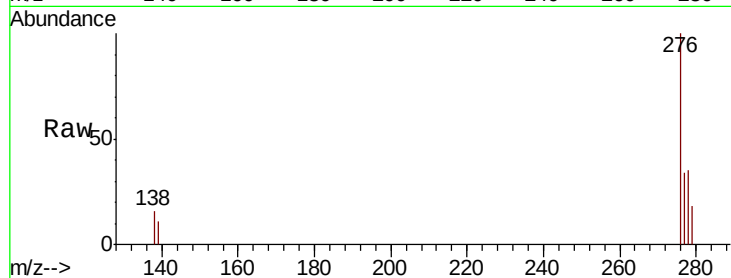
#38
Dibenzo(a,h)anthracene
Concen: 0.043 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Instrument :
BNA_E
ClientSampleId :
PST-009-B220-062419

Tot Ion:278	Resp:	991
Ion Ratio	Lower	Upper
278	100	
139	32.7	8.2 12.2#
279	51.9	20.3 30.5#

Manual Integrations
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mohammad
7/5/2019 8:55:02 AM



#39
Benzo(g,h,i)perylene
Concen: 0.191 ng
RT: 27.00 min Scan# 3075
Delta R.T. -0.00 min
Lab File: BE100345.D
Acq: 4 Jul 2019 1:09

Tgt Ion:276	Resp:	4503
Ion Ratio	Lower	Upper
276	100	
277	29.6	20.2 30.2
138	15.7	9.0 13.6#

