

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100320.D
 Acq On : 3 Jul 2019 1:55
 Operator : JU/SJ
 Sample : K3558-12 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:49:41 PM

Quant Time: Jul 03 04:14:45 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	838	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3045	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2308	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6494	0.40	ng	0.01
27) Chrysene-d12	21.25	240	8055	0.40	ng	0.00
34) Perylene-d12	23.68	264	9435	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	50	0.02	ng	0.02
5) Phenol-d6	6.85	99	64	0.02	ng	0.01
8) Nitrobenzene-d5	8.85	82	55	0.02	ng	0.03
11) 2-Methylnaphthalene-d10	12.05	152	124	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	31	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	186	0.02	ng	0.00
25) Fluoranthene-d10	19.10	212	1723	0.02	ng	0.00
29) Terphenyl-d14	19.70	244	451	0.03	ng	0.00

Target Compounds					Qvalue	
16) Acenaphthylene	14.04	152	456	0.041	ng	98
17) Acenaphthene	14.38	154	481	0.077	ng	99
18) Fluorene	15.37	166	456	0.049	ng	97
23) Phenanthrene	17.11	178	11041	0.701	ng	100
24) Anthracene	17.20	178	2384	0.168	ng	98
26) Fluoranthene	19.13	202	37536	1.497	ng	100
28) Pyrene	19.49	202	33134	1.554	ng	# 96
30) Benzo(a)anthracene	21.23	228	19386	0.732	ng	97
31) Chrysene	21.28	228	15444	0.581	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	6117	0.106	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	9679	0.275	ng	97
35) Benzo(b)fluoranthene	22.93	252	19632	0.767	ng	98
36) Benzo(k)fluoranthene	22.98	252	7085m	0.248	ng	
37) Benzo(a)pyrene	23.56	252	13562	0.529	ng	96
38) Dibenzo(a,h)anthracene	26.25	278	2043	0.076	ng	# 53
39) Benzo(g,h,i)perylene	27.03	276	9955	0.362	ng	# 93

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

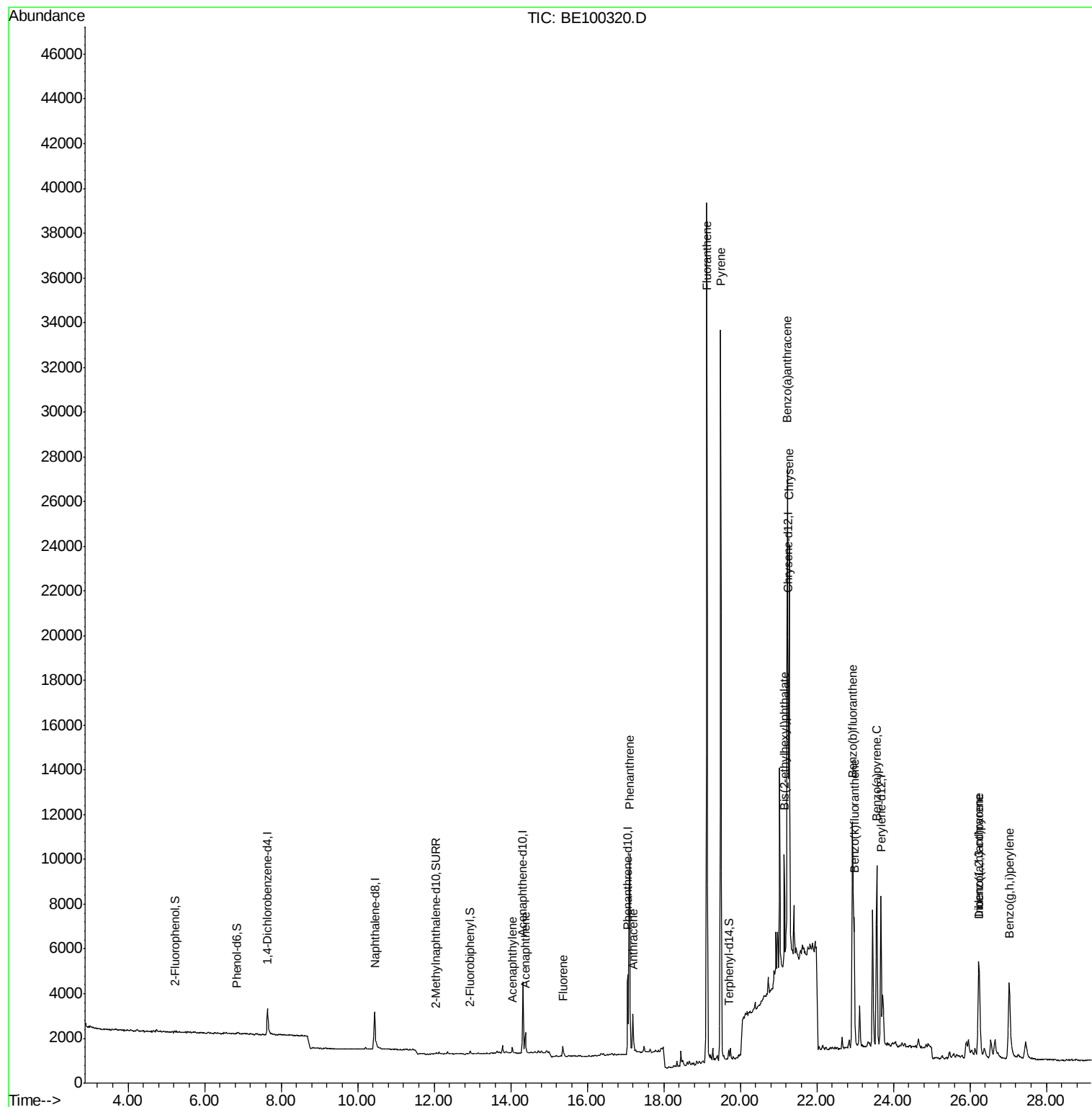
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

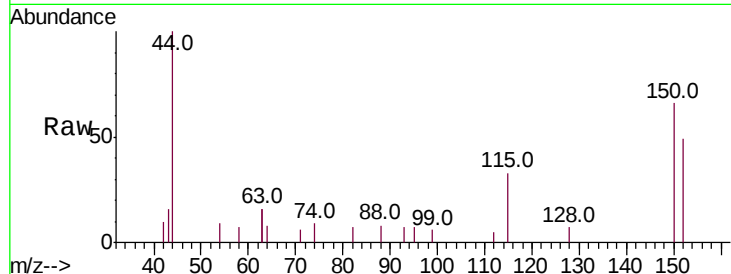
ClientSampleId :

PST-032-B205-062519

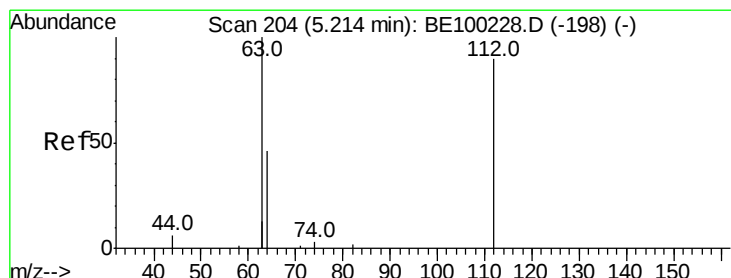
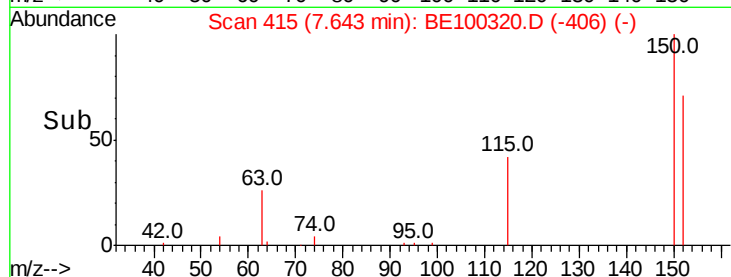
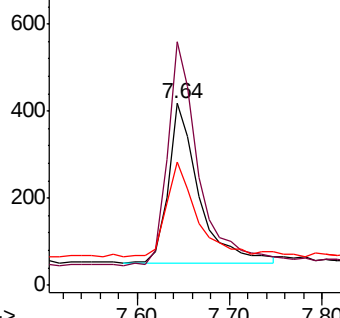
Tot Ion:	152	Resp:	838
Ion Ratio	Lower	Upper	
152	100		
150	133.7	114.5	171.7
115	67.5	57.1	85.7

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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: 0.023 ng

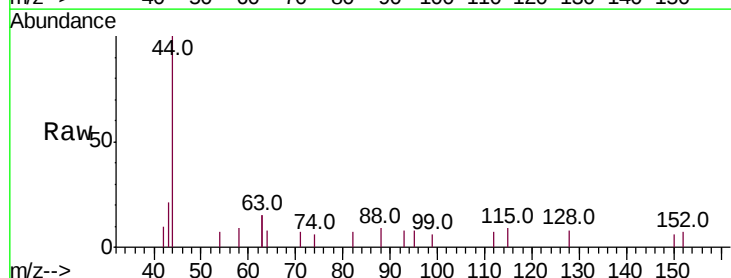
RT: 5.24 min Scan# 206

Delta R.T. 0.02 min

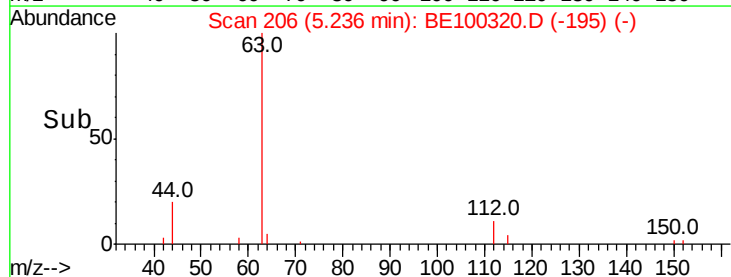
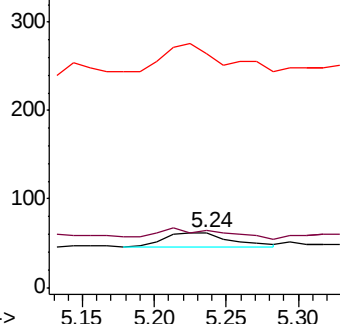
Lab File: BE100320.D

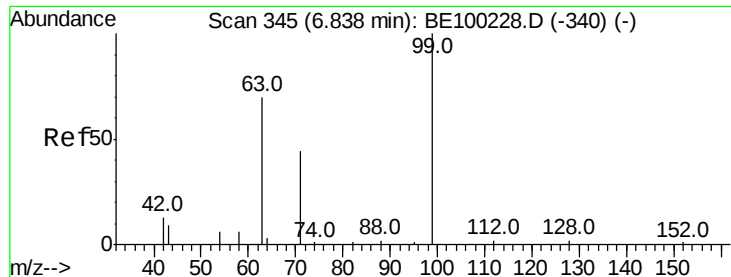
Acq: 3 Jul 2019 1:55

Tgt Ion:	112	Resp:	50
Ion Ratio	Lower	Upper	
112	100		
64	0.0	39.4	59.0#
63	0.0	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: 0.023 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

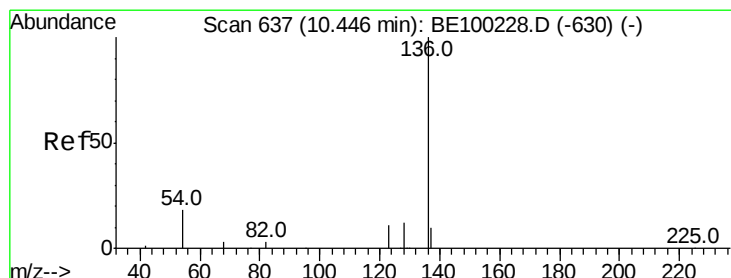
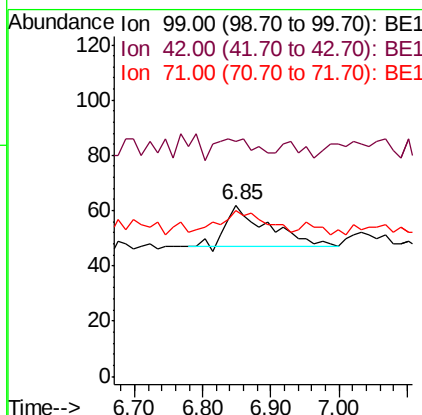
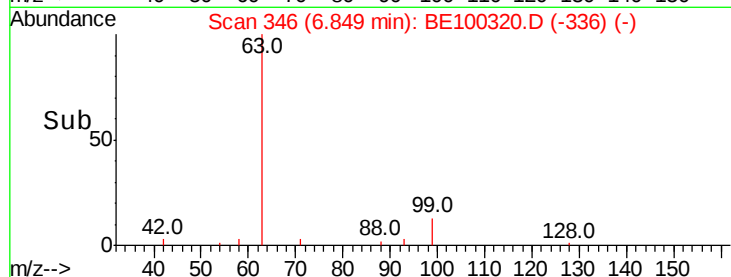
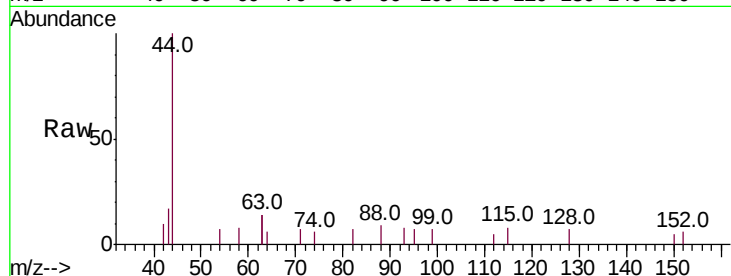
ClientSampleId :

PST-032-B205-062519

Tot Ion:	99	Resp:	64
Ion	Ratio	Lower	Upper
99	100		
42	51.6	11.2	16.8#
71	54.7	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

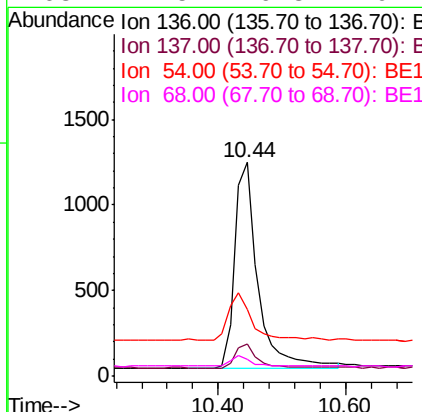
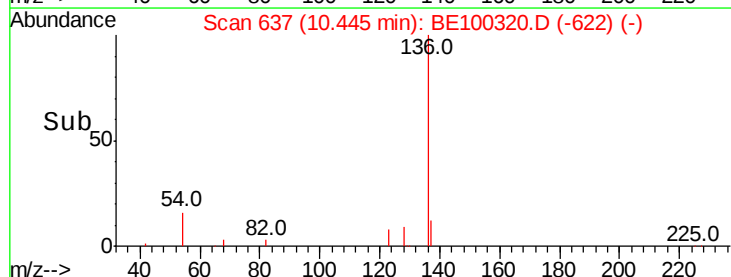
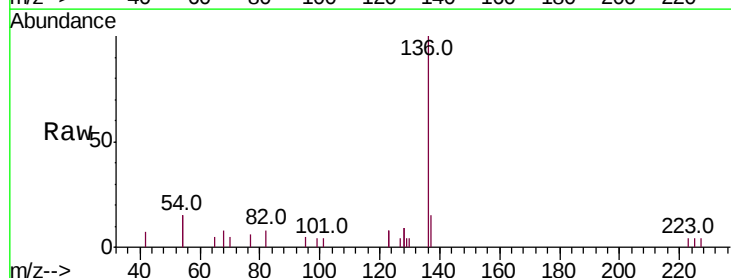
RT: 10.44 min Scan# 637

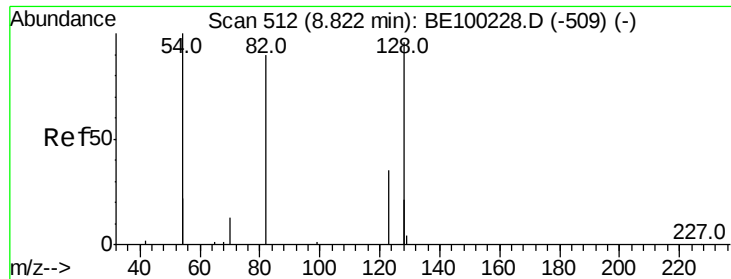
Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Tgt Ion:	136	Resp:	3045
Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.8	17.8
54	30.9	27.7	41.5
68	7.5	6.8	10.2





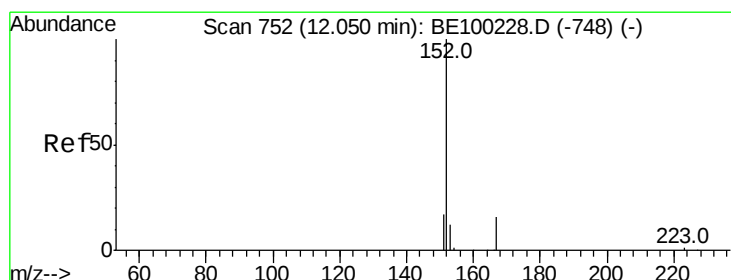
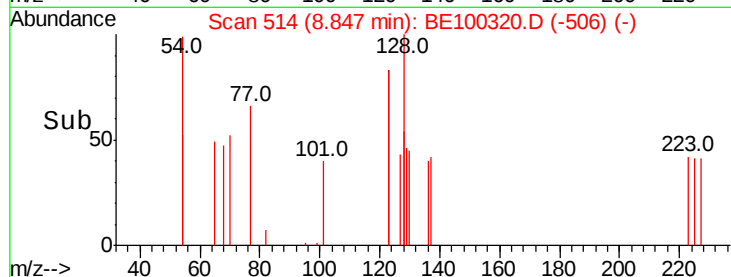
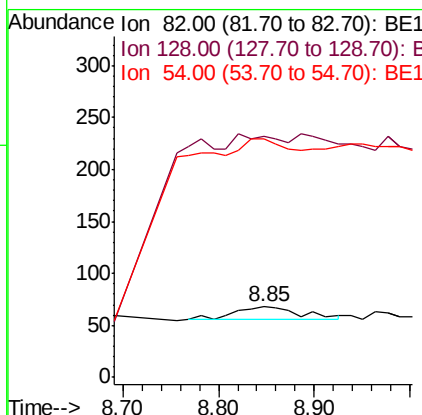
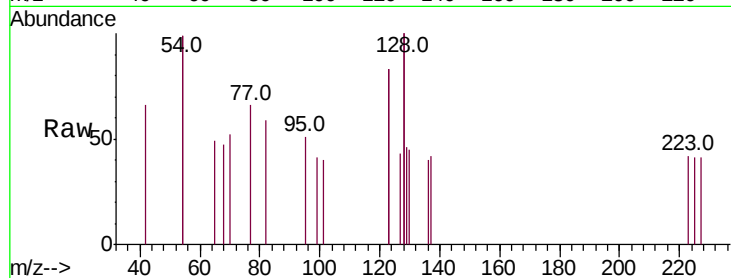
#8
 Nitrobenzene-d5
 Concen: 0.018 ng
 RT: 8.85 min Scan# 514
 Delta R.T. 0.03 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
82	100		
128	341.2	140.9	211.3#
54	338.2	146.2	219.2#

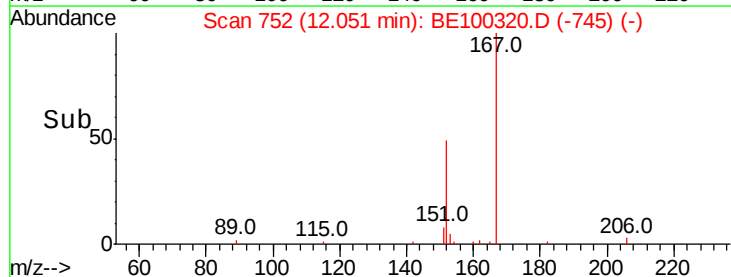
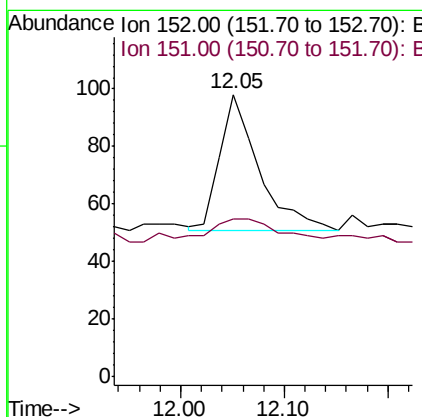
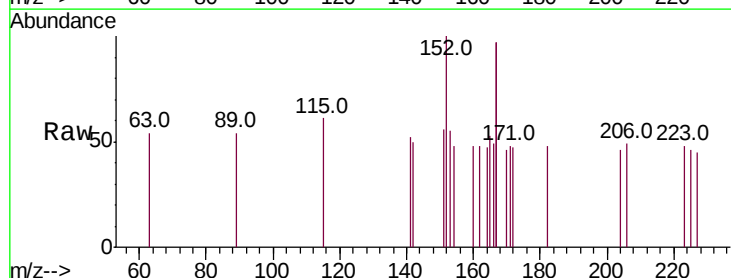
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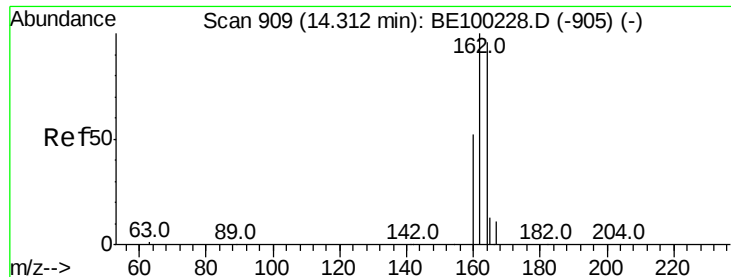
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#11
 2-Methylnaphthalene-d10
 Concen: 0.022 ng
 RT: 12.05 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.1	22.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

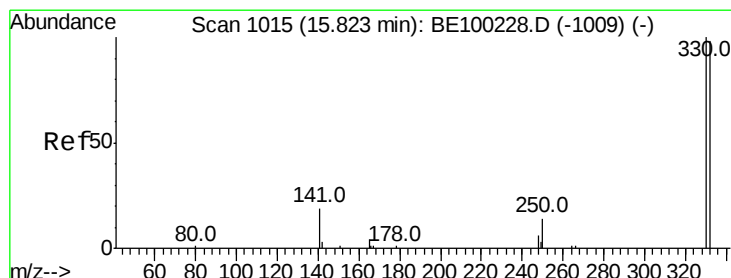
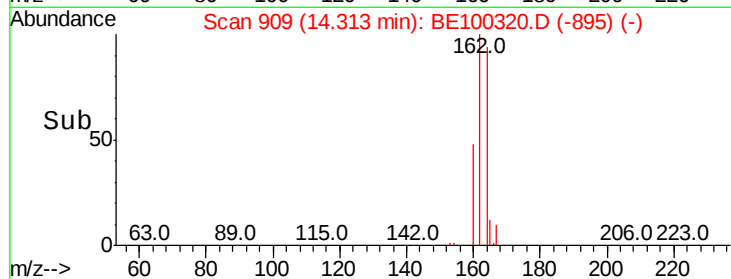
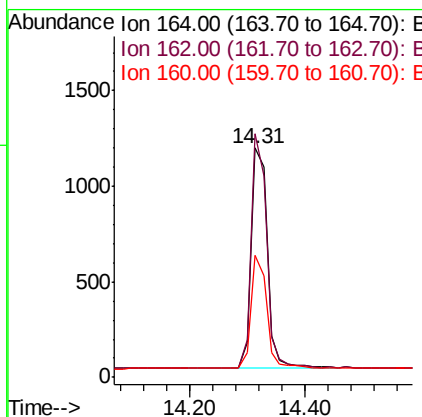
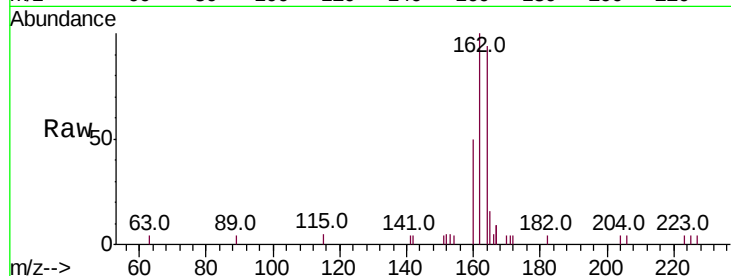
ClientSampleId :

PST-032-B205-062519

Tot Ion:	164	Resp:	2308
Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.4	125.0
160	53.5	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.019 ng

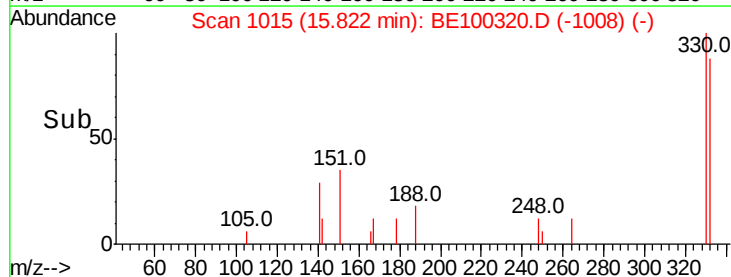
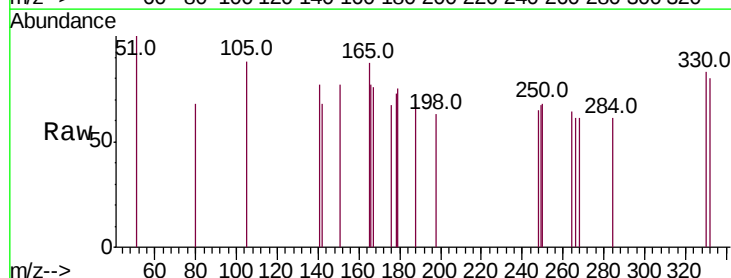
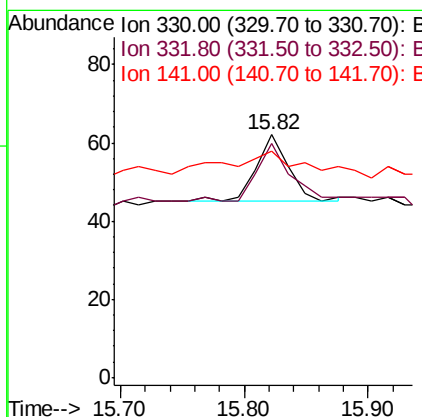
RT: 15.82 min Scan# 1015

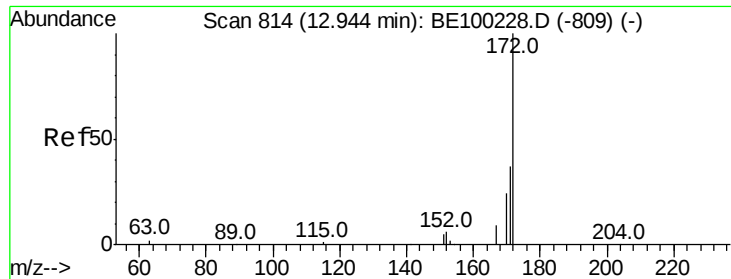
Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Tgt Ion:	330	Resp:	31
Ion	Ratio	Lower	Upper
330	100		
332	145.2	77.0	115.4#
141	96.8	22.0	33.0#





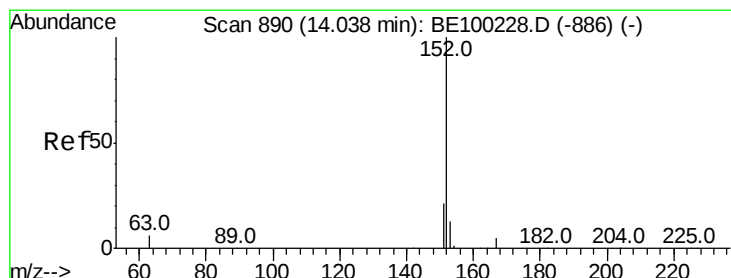
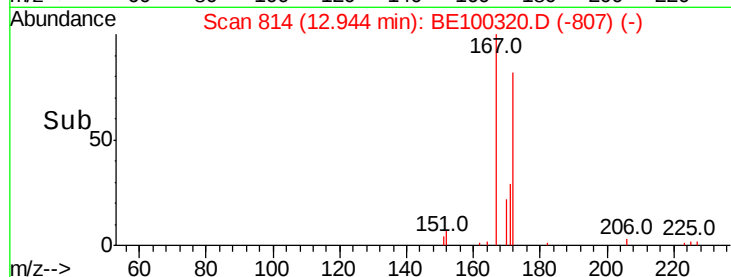
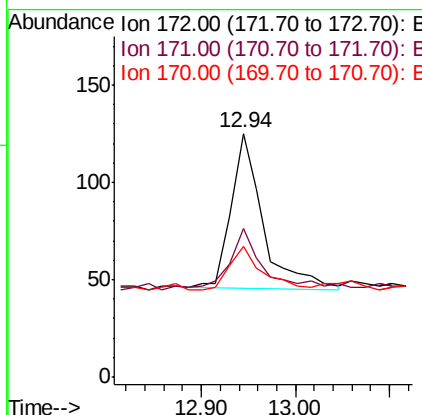
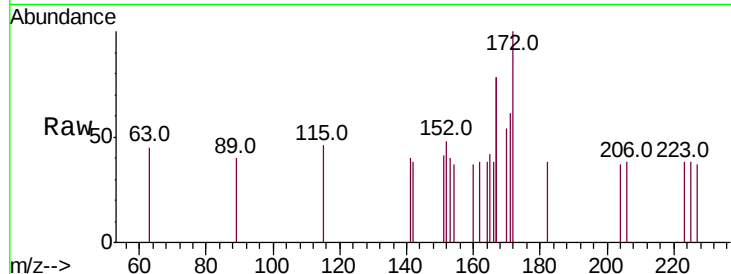
#15
2-Fluorobiphenyl
Concen: 0.021 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	60.8	31.9	47.9#
170	53.6	22.2	33.2#

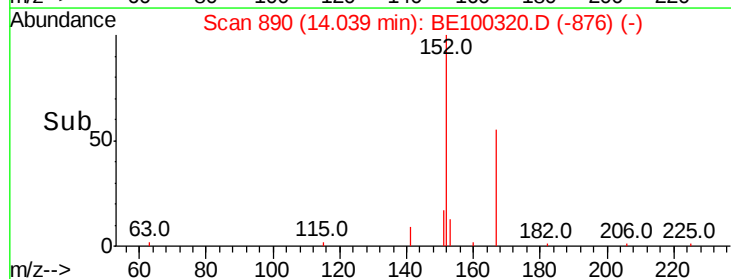
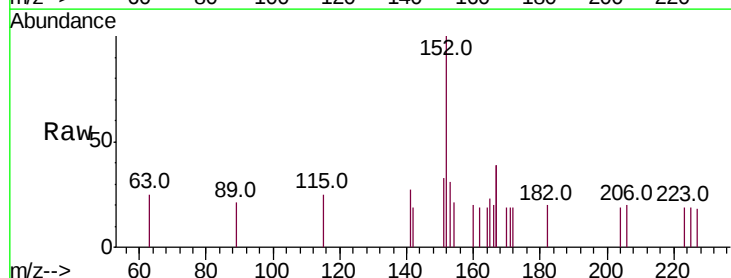
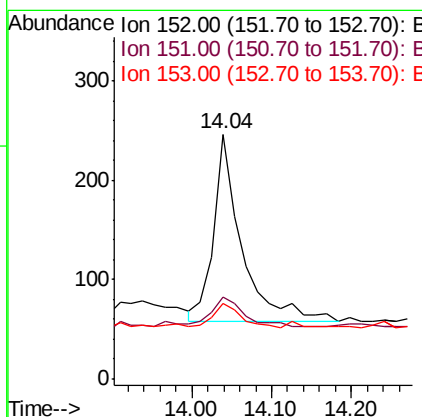
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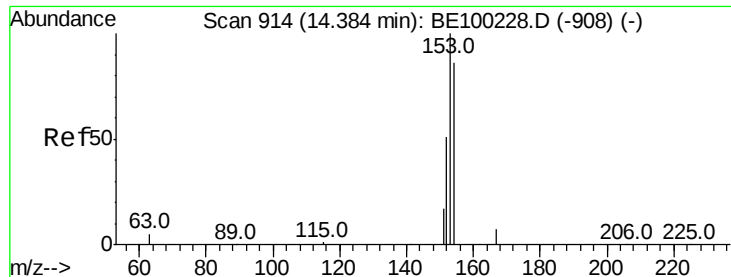
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#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0
153	14.9	10.5	15.7





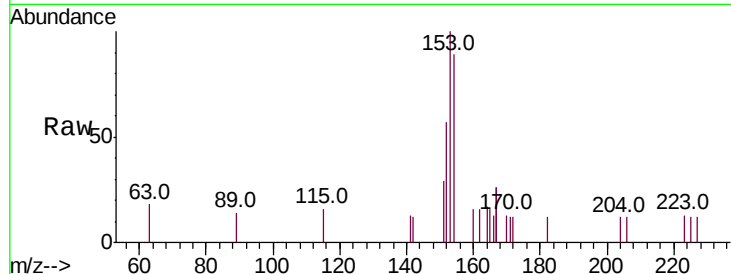
#17
Acenaphthene
Concen: 0.077 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.5	93.4	140.2
152	62.8	49.4	74.2

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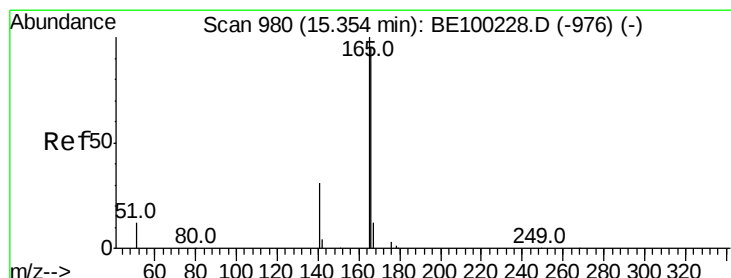
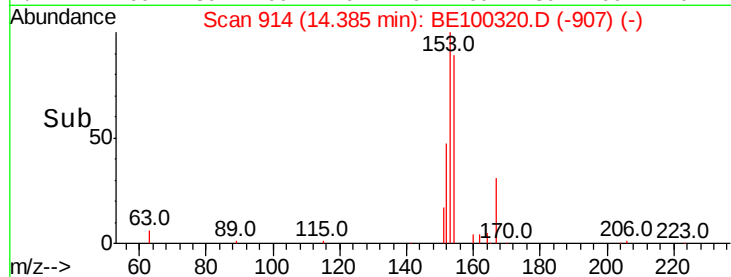
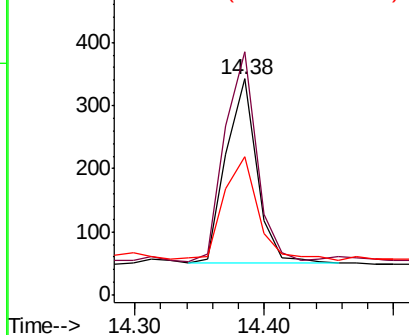


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.049 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

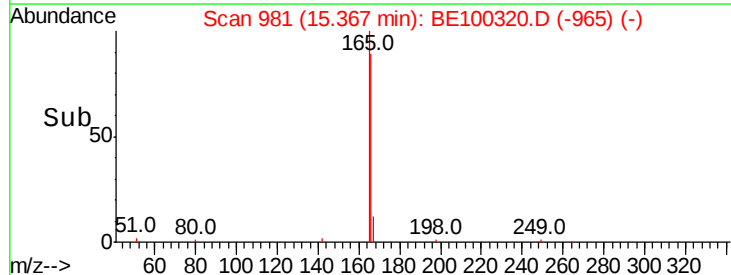
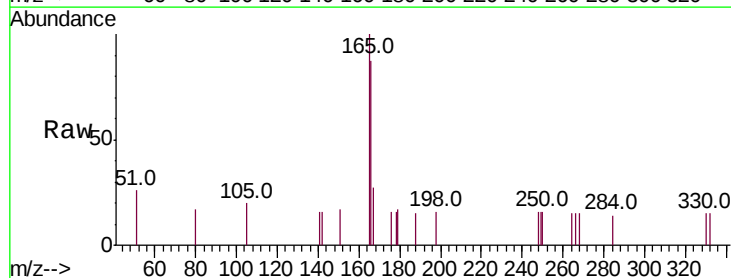
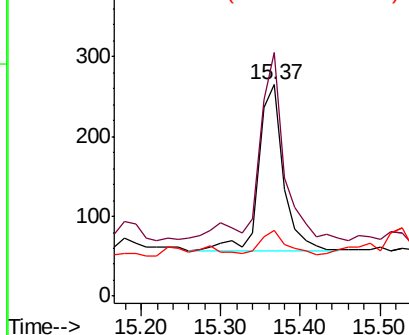
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	81.1	121.7
167	15.6	10.7	16.1

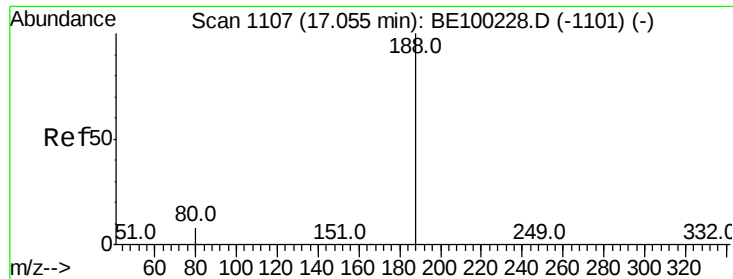
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





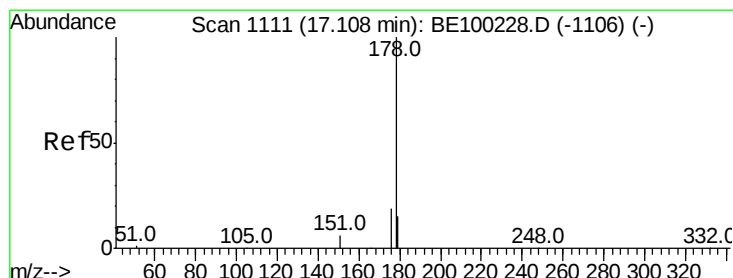
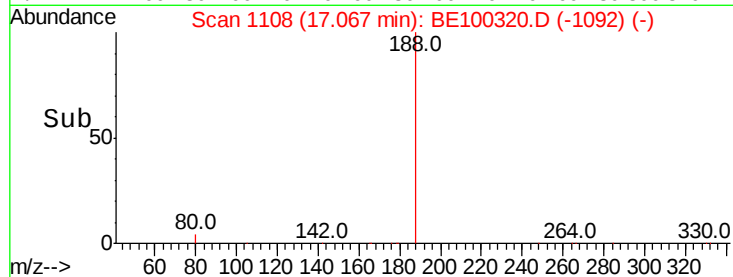
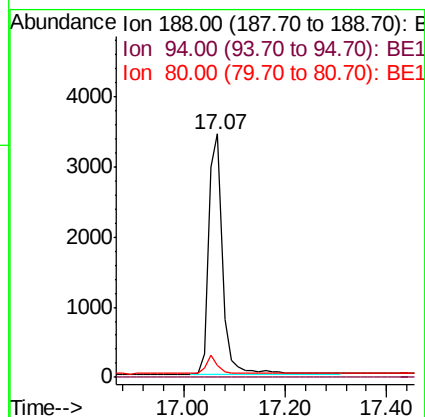
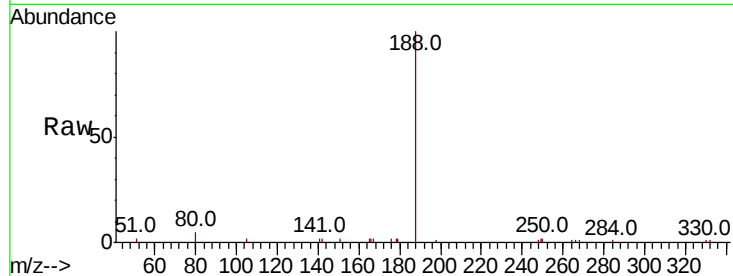
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6494		
94	0.0	0.0	0.0	
80	5.2	7.6	11.4	

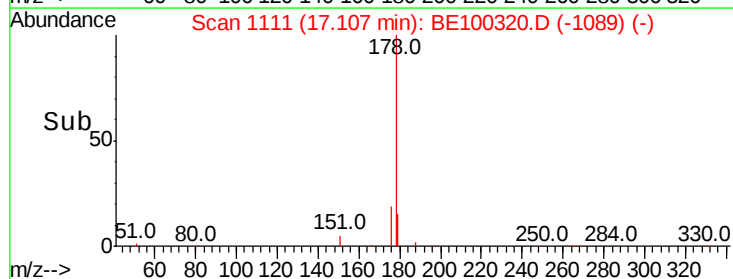
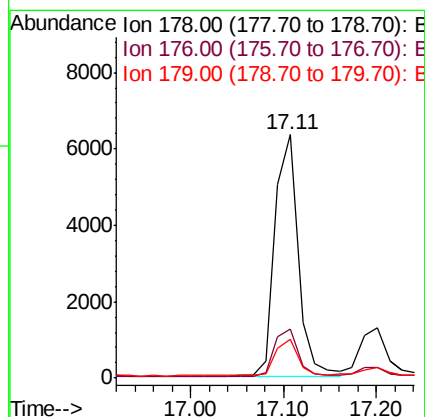
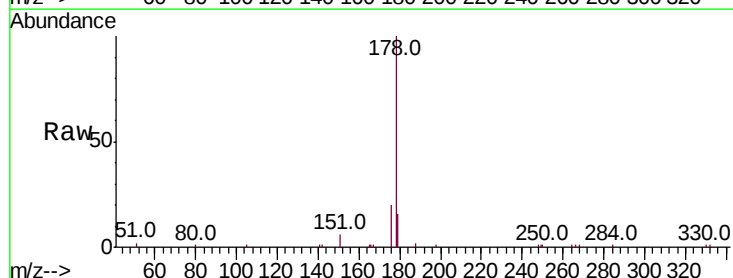
Manual Integrations
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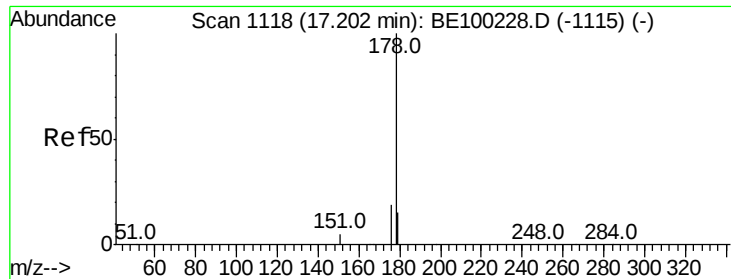
mohammad
7/3/2019 10:49:41 PM



#23
Phenanthrene
Concen: 0.701 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	11041		
176	19.9	15.9	23.9	
179	15.6	12.2	18.2	





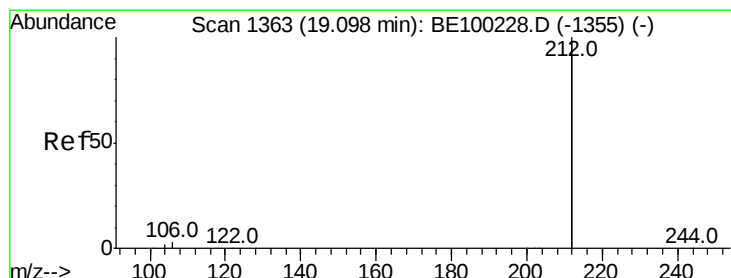
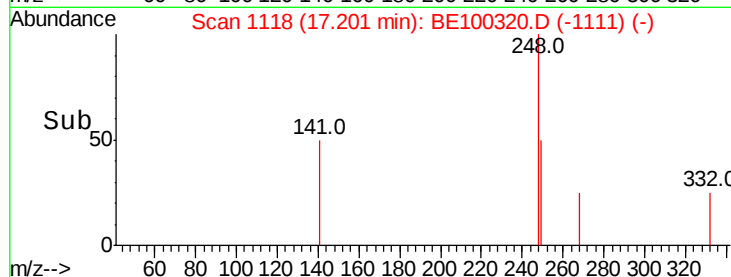
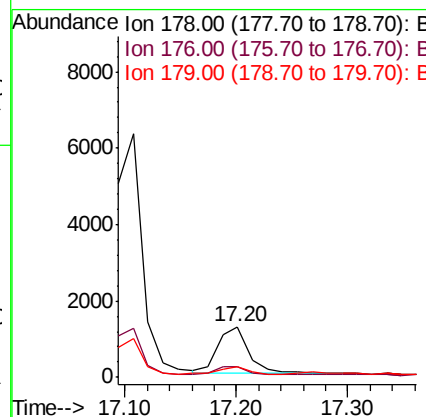
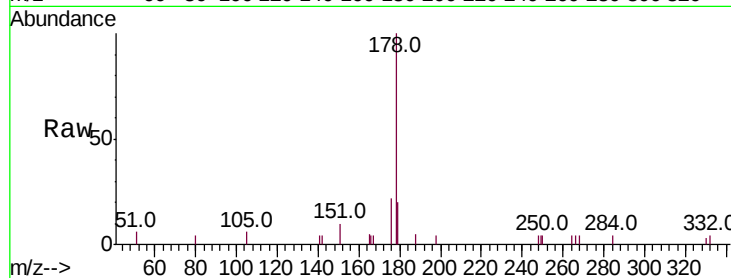
#24
 Anthracene
 Concen: 0.168 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Tot Ion:	178	Resp:	2384
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.3	22.9
179	13.4	12.2	18.2

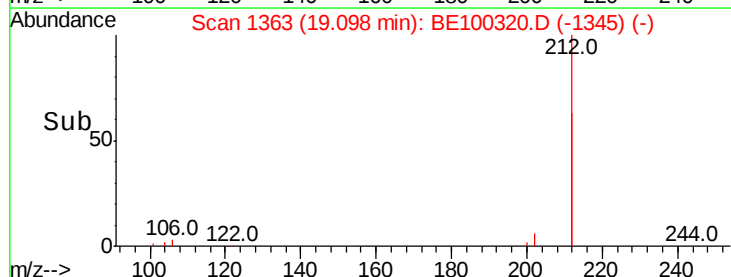
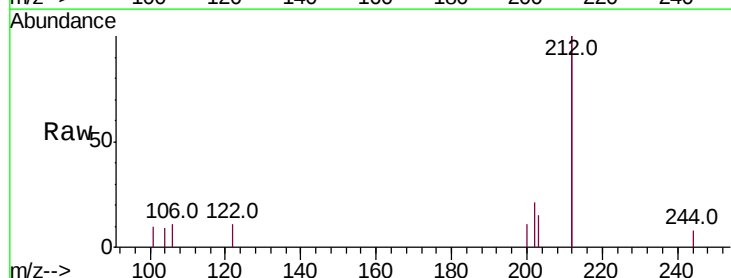
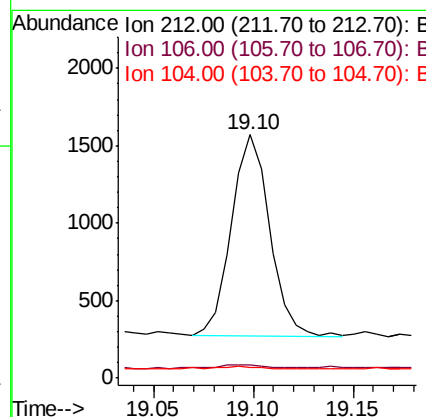
Manual Integrations
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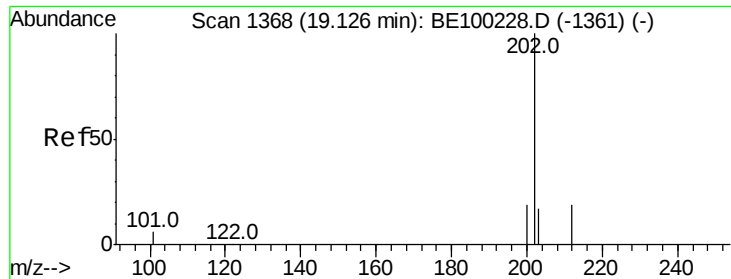
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.018 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion:	212	Resp:	1723
Ion Ratio	Lower	Upper	
212	100		
106	3.3	1.3	1.9#
104	1.6	0.8	1.2#





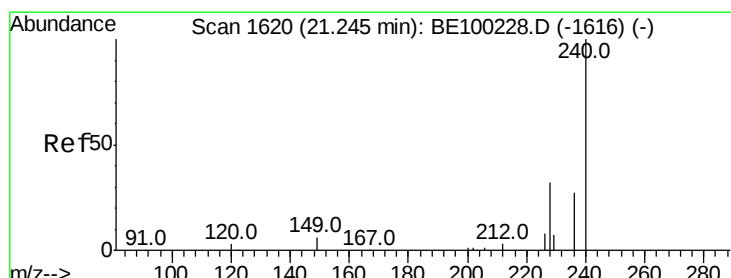
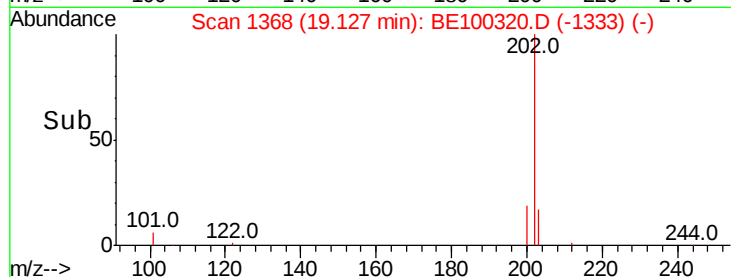
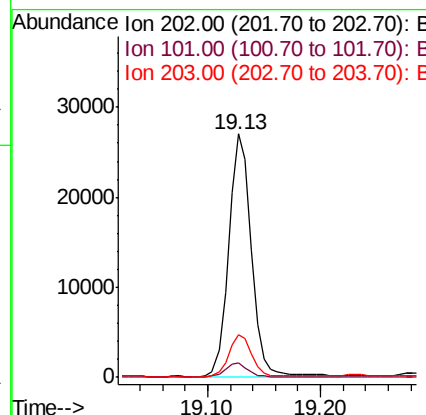
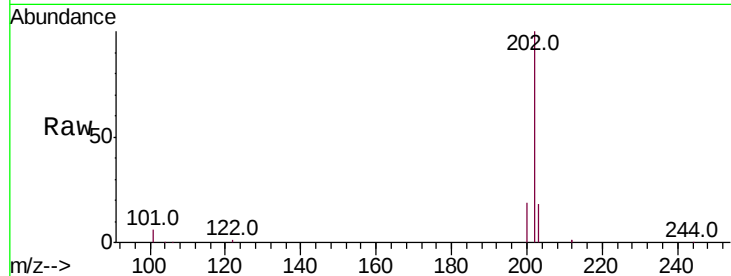
#26
 Fluoranthene
 Concen: 1.497 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.1	13.7	20.5

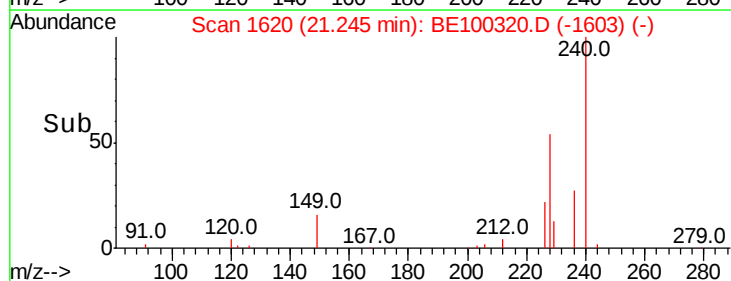
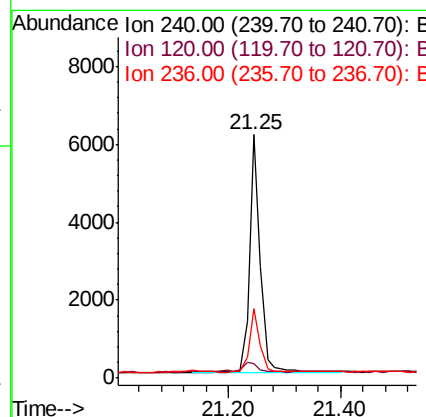
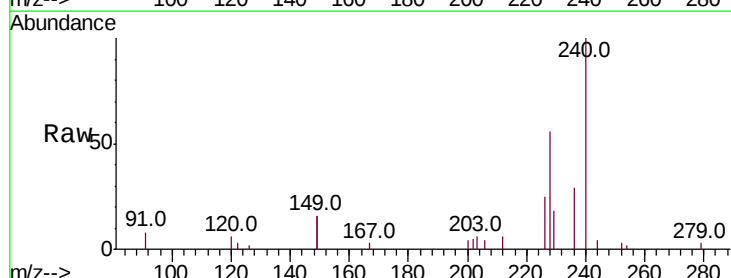
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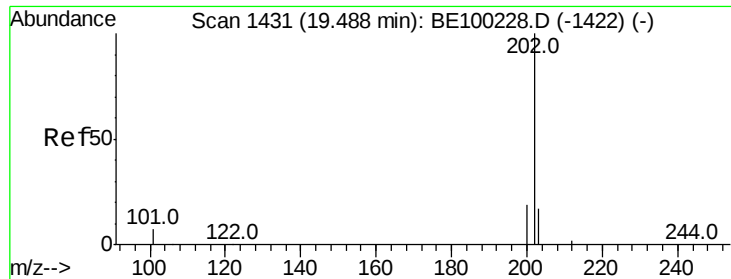
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	3.3	4.9#
236	28.6	22.6	34.0





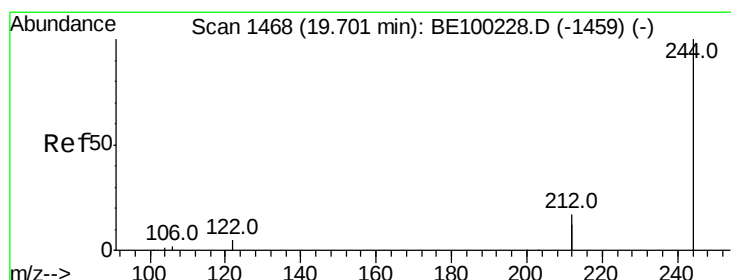
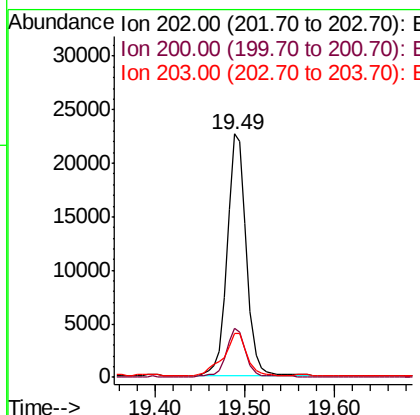
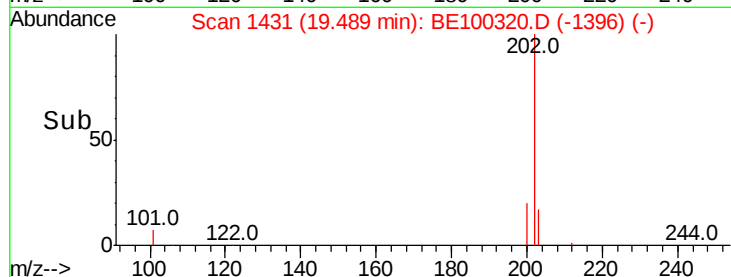
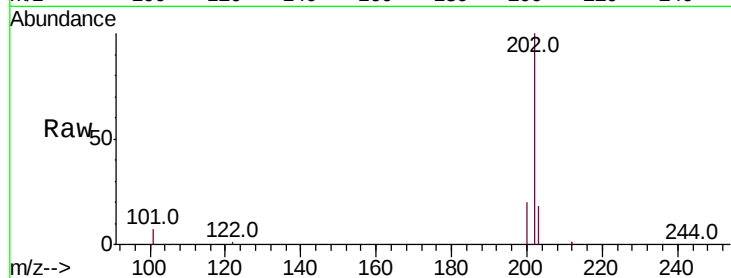
#28
Pvrene
Concen: 1.554 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.3	14.0	21.0

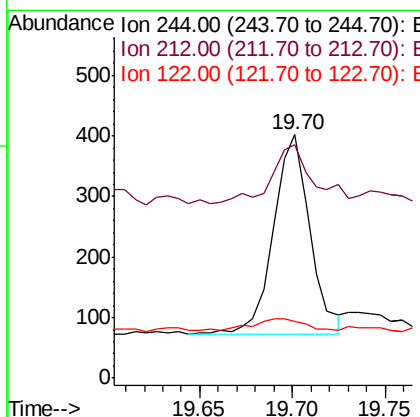
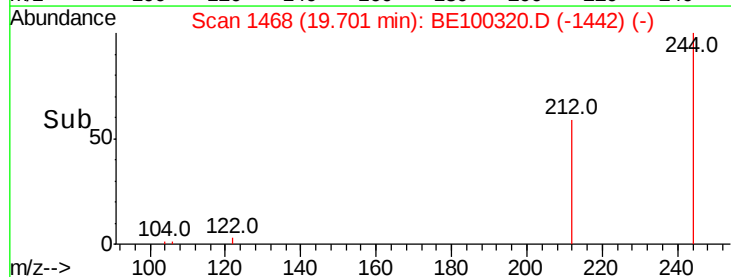
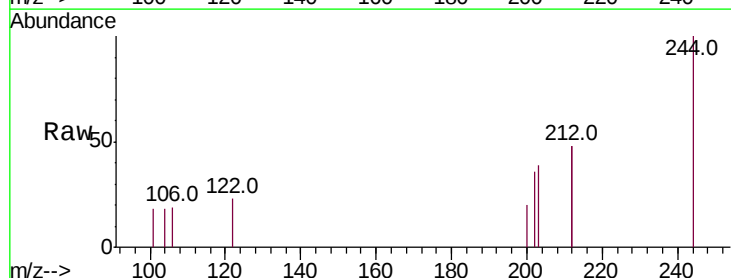
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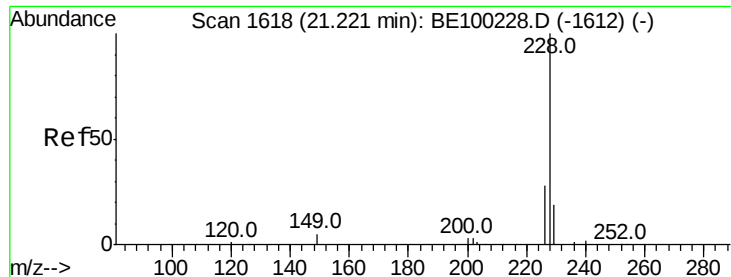
mohammad
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#29
Terphenyl-d14
Concen: 0.027 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	96.0	27.3	40.9
122	23.1	4.7	7.1





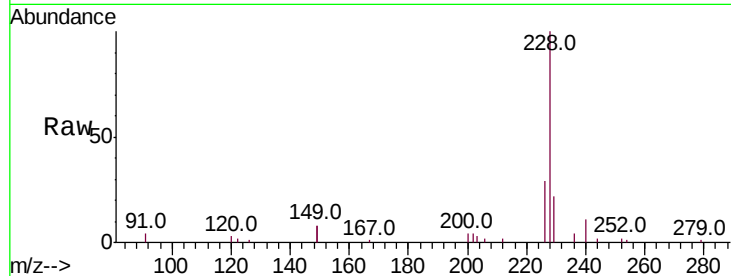
#30
Benzo(a)anthracene
Concen: 0.732 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.2	34.8
229	22.4	15.7	23.5

Manual Integrations
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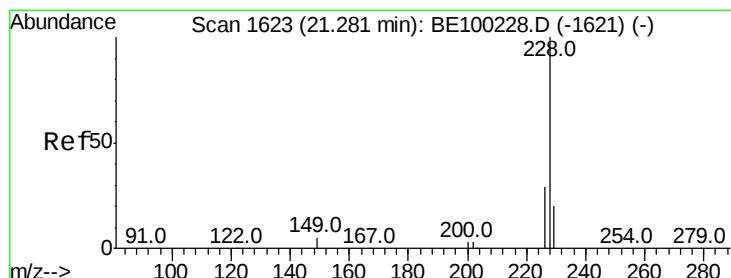
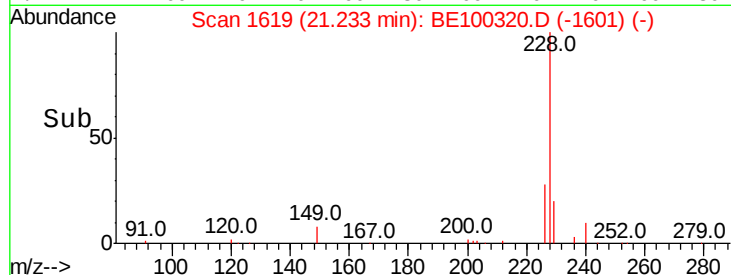
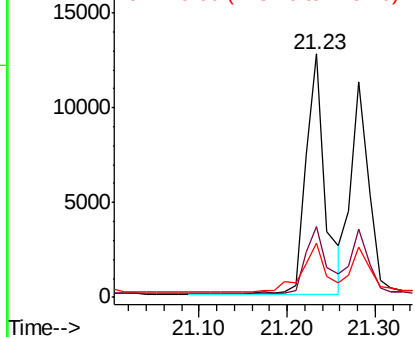


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.581 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

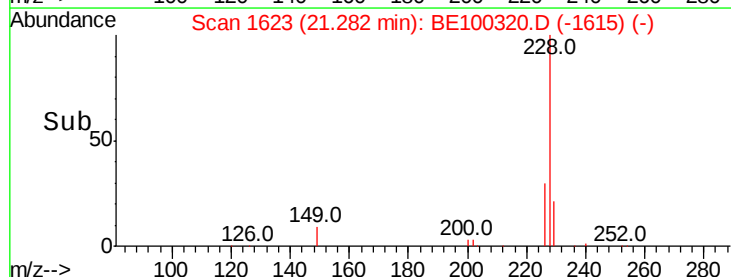
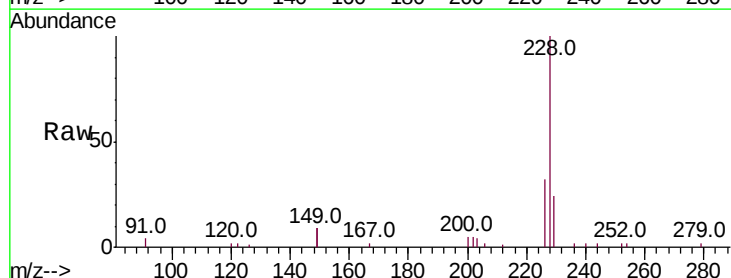
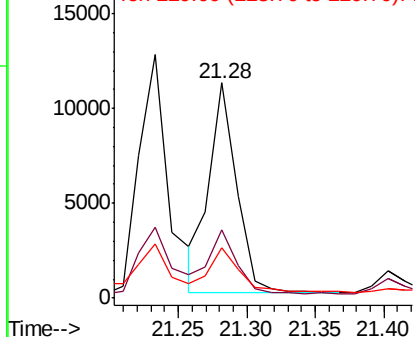
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.9	35.9
229	23.6	16.5	24.7

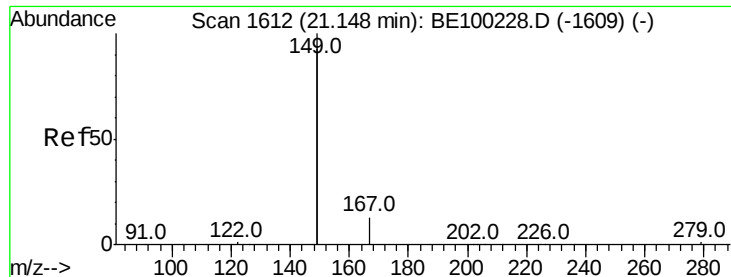
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





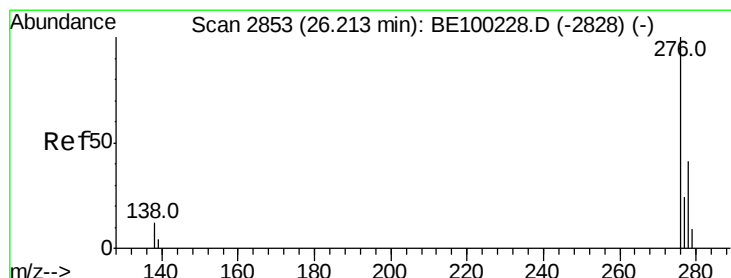
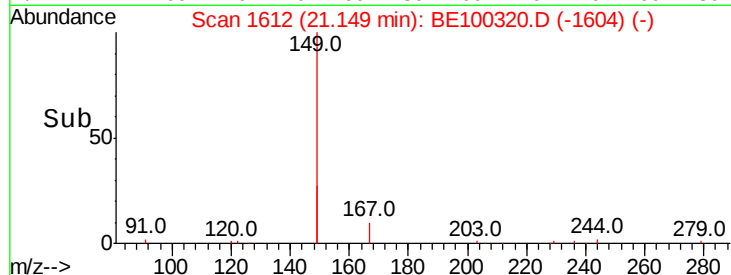
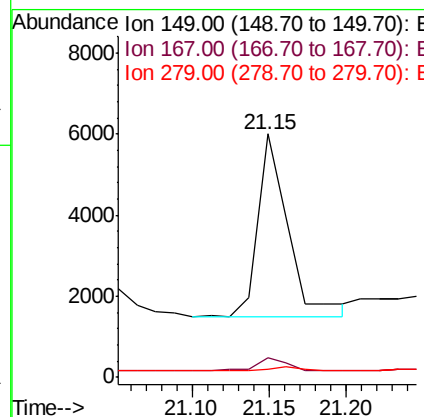
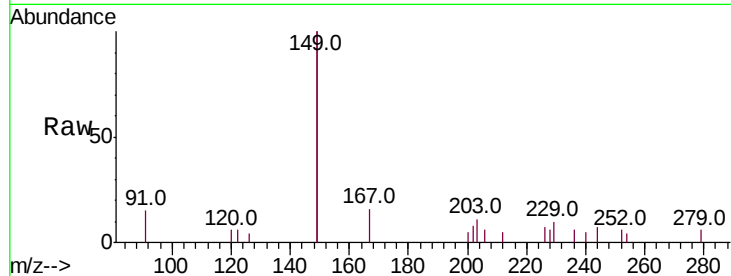
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.106 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.8	8.8
279	2.4	1.1	1.7

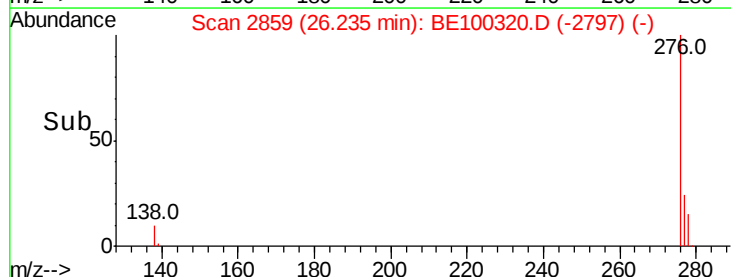
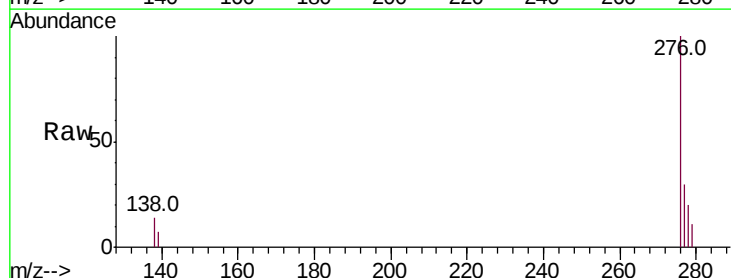
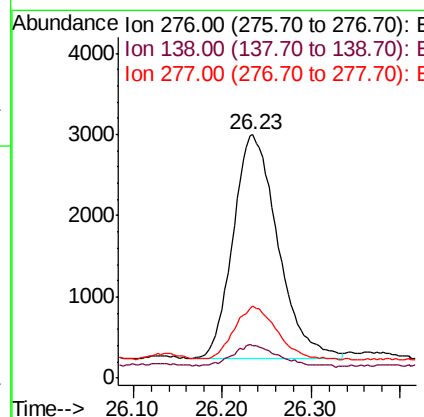
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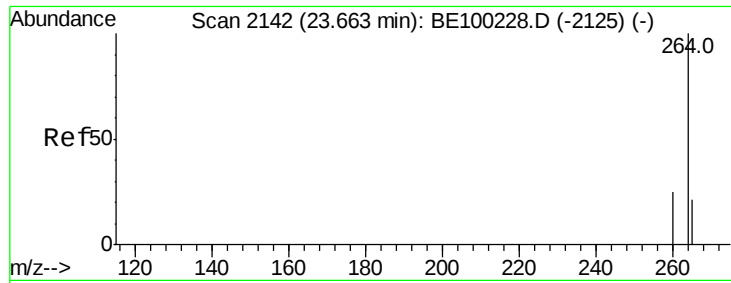
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.275 ng
 RT: 26.23 min Scan# 2859
 Delta R.T. 0.02 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.5	9.4	14.0
277	23.1	19.2	28.8





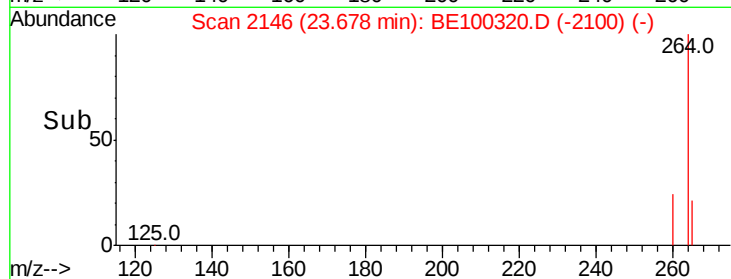
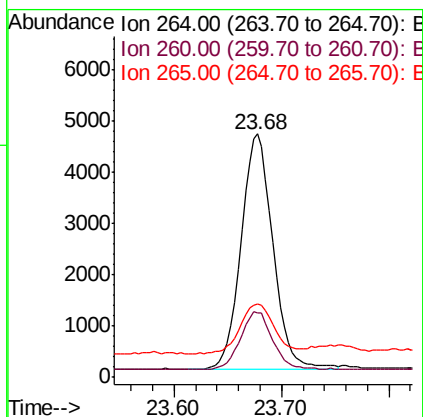
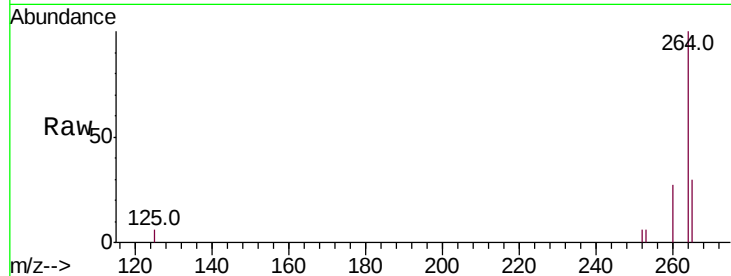
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2146
Delta R.T. 0.02 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	30.2	21.8	32.6

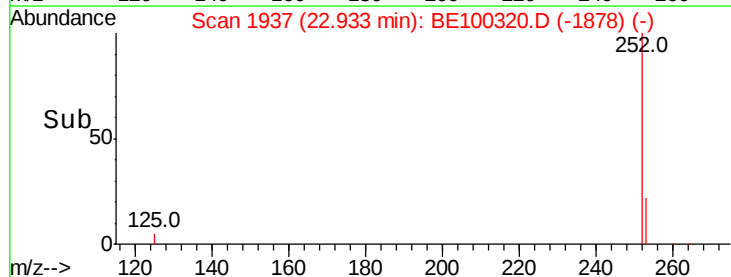
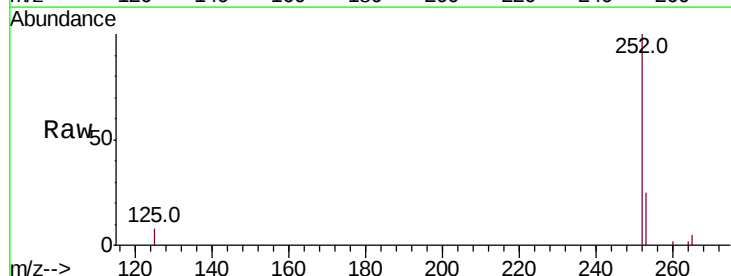
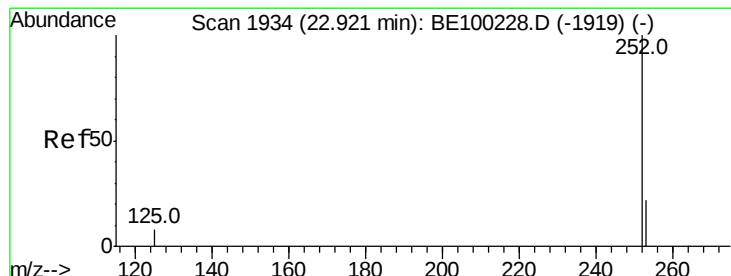
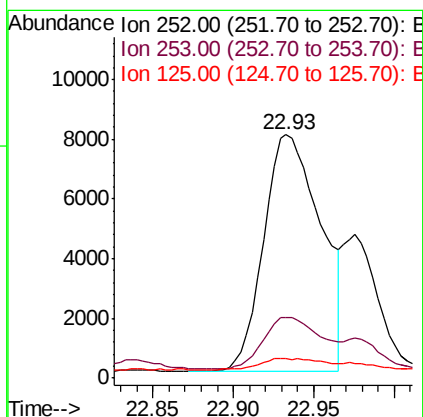
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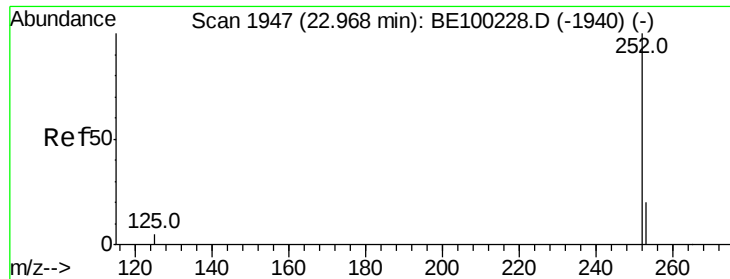
mohammad
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#35
Benzo(b)fluoranthene
Concen: 0.767 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.2	28.8
125	8.3	7.4	11.0





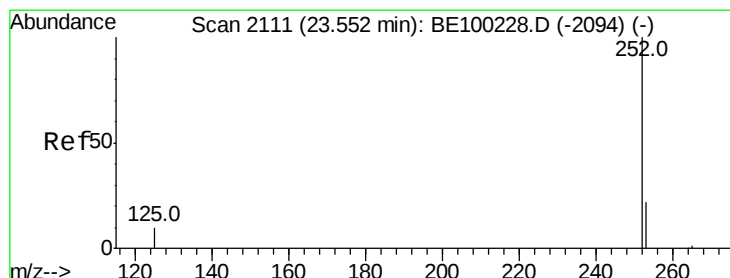
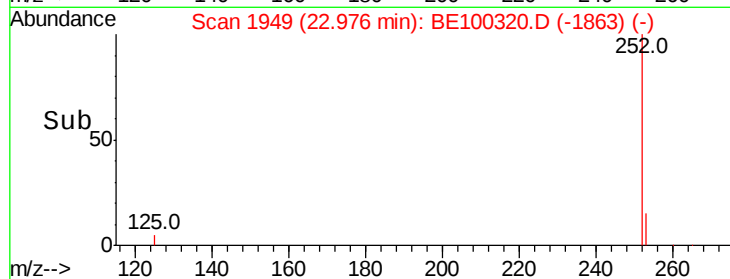
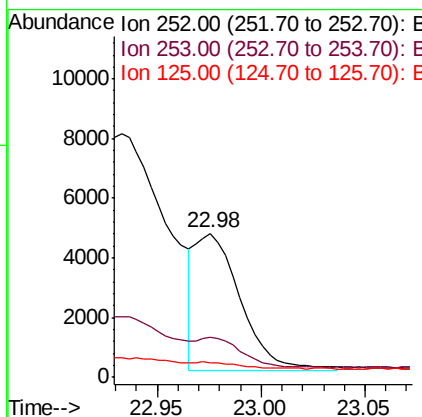
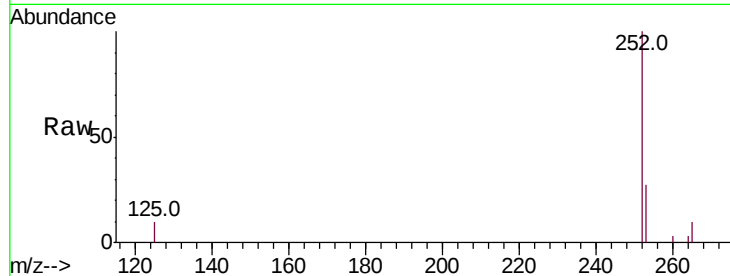
#36
Benzo(k)fluoranthene
Concen: 0.248 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	10.1	5.0	7.4#

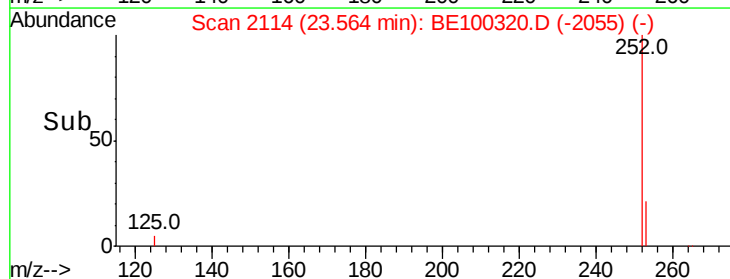
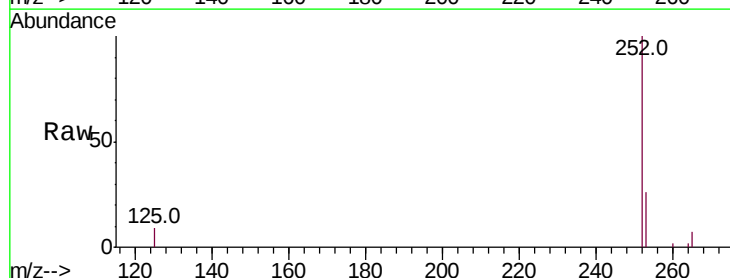
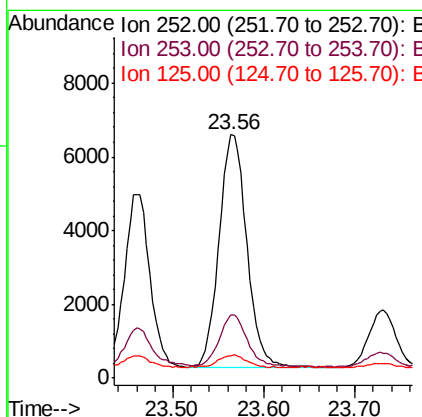
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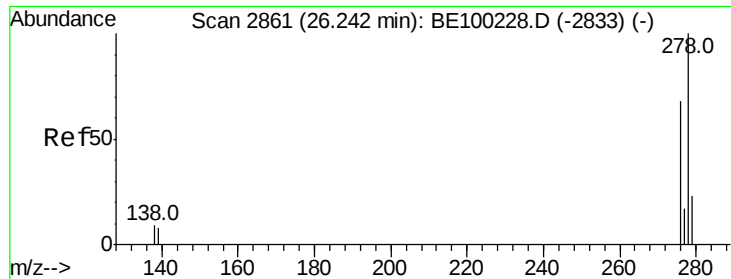
mohammad
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#37
Benzo(a)pyrene
Concen: 0.529 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.6	29.4
125	9.2	9.0	13.6





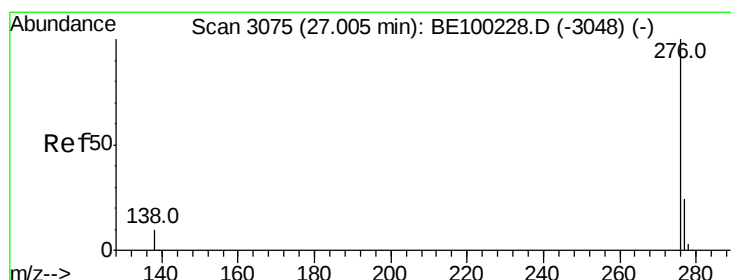
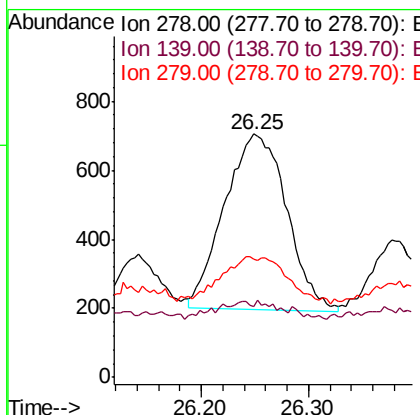
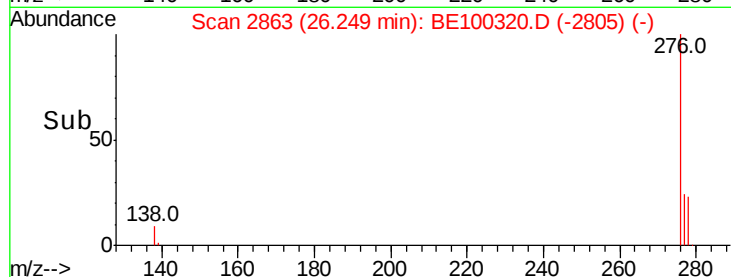
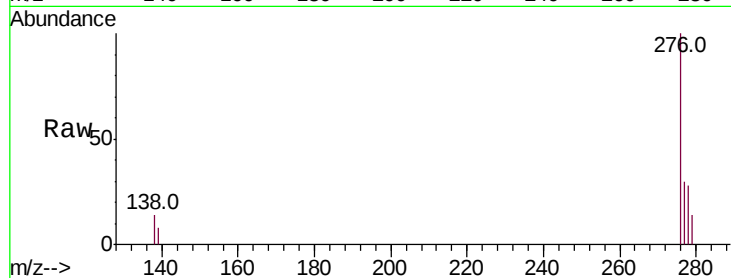
#38
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.2	8.2	12.2#
279	48.6	20.3	30.5#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 27.03 min Scan# 3083
Delta R.T. 0.03 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	20.2	30.2
138	13.8	9.0	13.6#

