

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100328.D
 Acq On : 3 Jul 2019 14:47
 Operator : JU/SJ
 Sample : K3504-17DL 100X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/5/2019 8:53:46 AM

Quant Time: Jul 04 01:08:39 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	523	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2094	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	1865	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5647	0.40	ng	0.00
27) Chrysene-d12	21.25	240	6982	0.40	ng	0.00
34) Perylene-d12	23.67	264	8335	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	7	0.01	ng	0.03
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	12.05	152	12	0.00	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	8	0.01	ng	0.07
15) 2-Fluorobiphenyl	12.94	172	30	0.00	ng	0.00
25) Fluoranthene-d10	19.09	212	181	0.00	ng	0.00
29) Terphenyl-d14	19.70	244	1707	0.12	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.48	128	1610	0.070	ng	# 83
12) 2-Methylnaphthalene	12.14	142	226	0.056	ng	# 83
16) Acenaphthylene	14.04	152	392	0.044	ng	94
17) Acenaphthene	14.37	154	603	0.119	ng	92
18) Fluorene	15.35	166	933	0.124	ng	95
23) Phenanthrene	17.09	178	21740	1.588	ng	99
24) Anthracene	17.19	178	4509	0.366	ng	98
26) Fluoranthene	19.12	202	38380	1.761	ng	100
28) Pyrene	19.49	202	36384	1.968	ng	97
30) Benzo(a)anthracene	21.22	228	19220	0.837	ng	96
31) Chrysene	21.28	228	18774	0.814	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	10350	0.339	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	20191	0.893	ng	# 97
36) Benzo(k)fluoranthene	22.96	252	8034m	0.318	ng	
37) Benzo(a)pyrene	23.56	252	15554m	0.687	ng	
38) Dibenzo(a,h)anthracene	26.23	278	2299	0.097	ng	# 63
39) Benzo(a,h,i)perylene	27.00	276	11496	0.473	ng	96

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

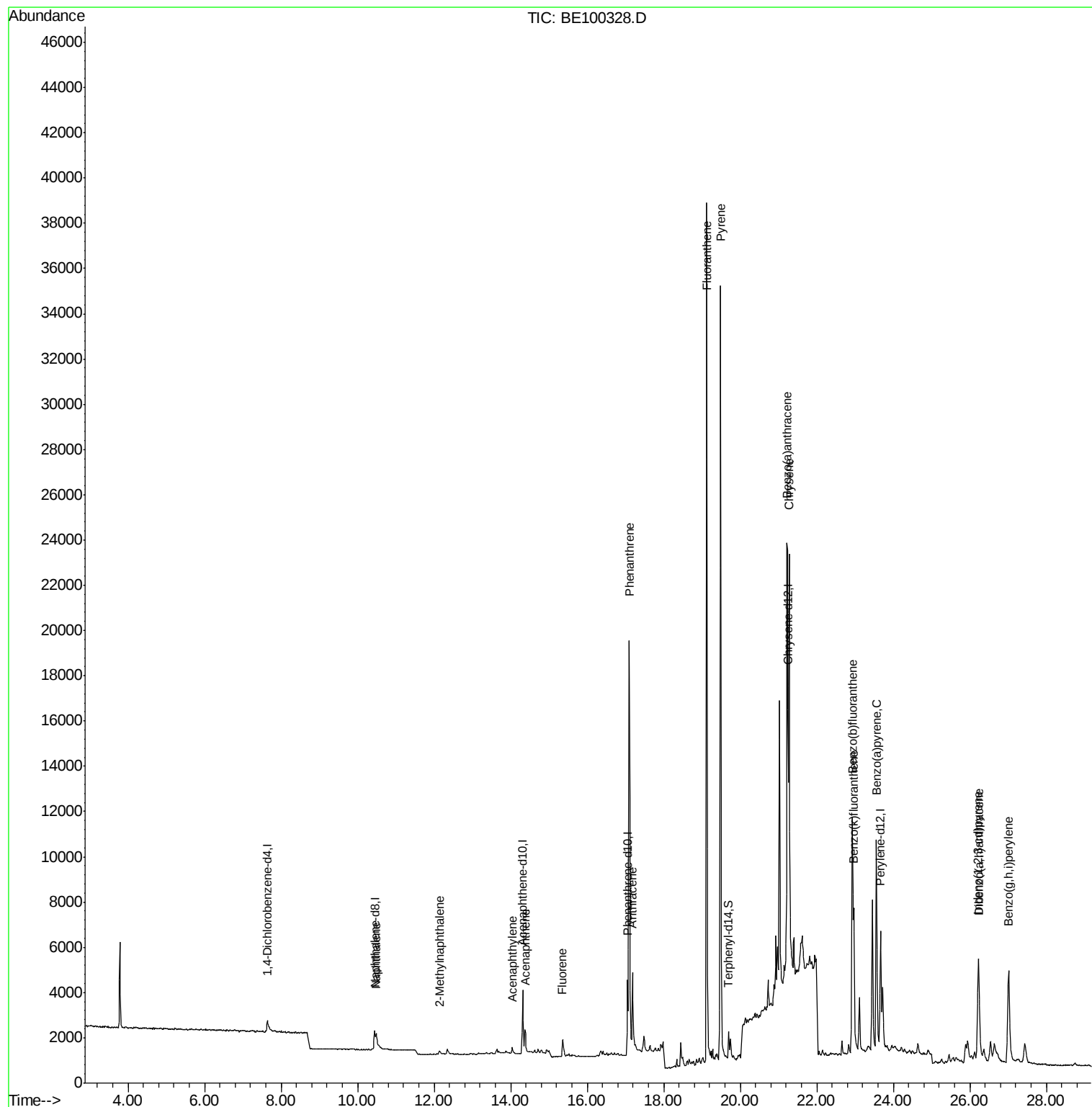
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100328.D
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Operator : JU/SJ
Sample : K3504-17DL 100X
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ALS Vial : 7 Sample Multiplier: 1

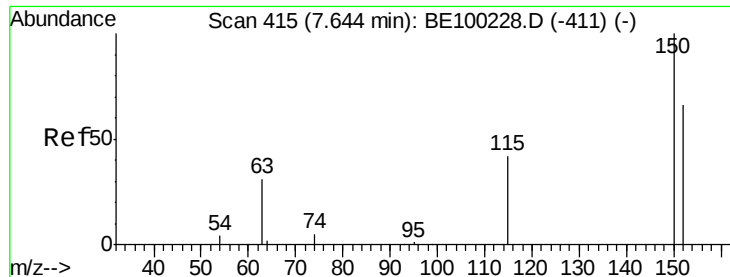
Instrument :
BNA_E
ClientSampleId :
PST-013-SW105-062019DL

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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
QLast Update : Fri Jun 28 14:06:53 2019
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#1

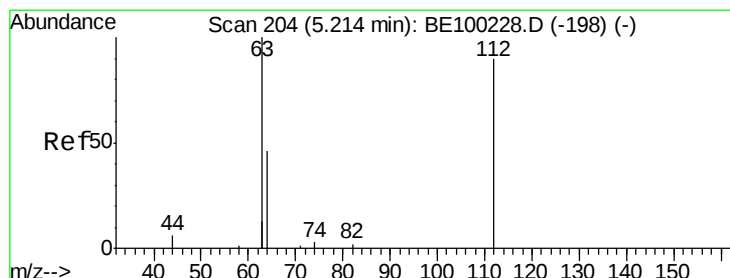
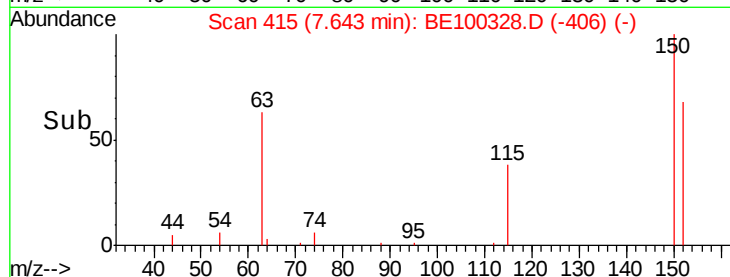
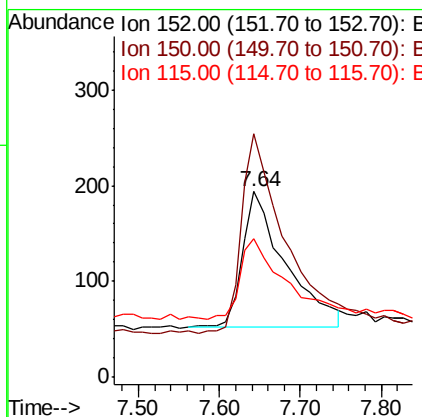
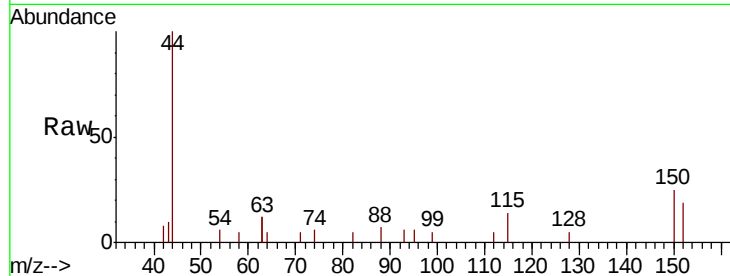
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.9	114.5	171.7
115	74.2	57.1	85.7

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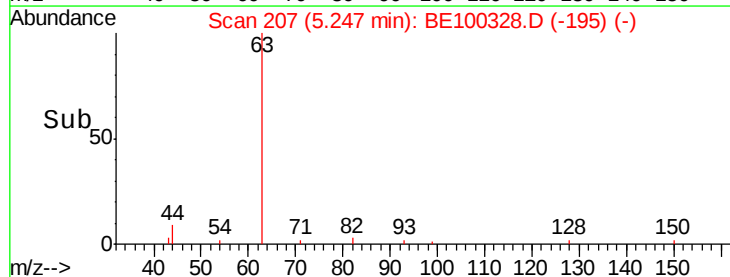
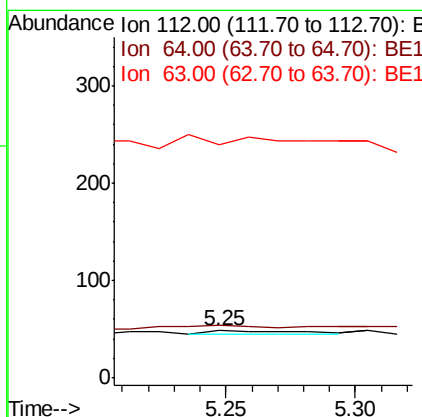
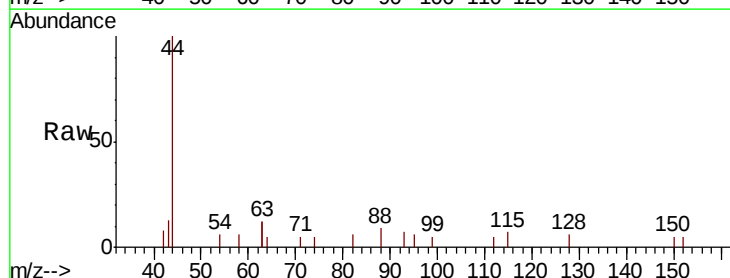
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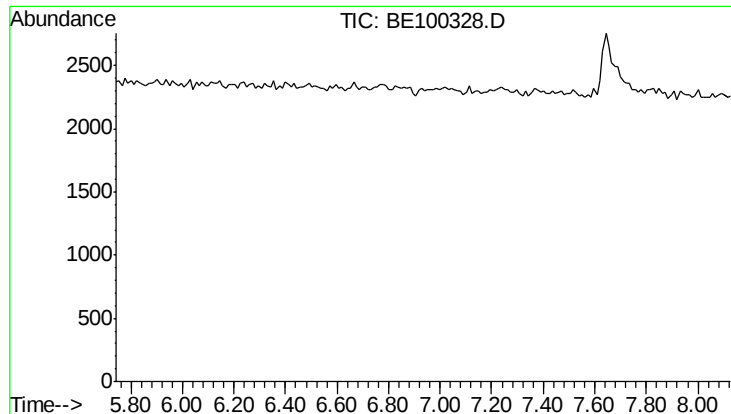


#4

2-Fluorophenol
Concen: 0.005 ng
RT: 5.25 min Scan# 207
Delta R.T. 0.03 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	128.6	39.4	59.0#
63	171.4	104.5	156.7#





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.84 min

Lab File: BE100328.D

Acq: 3 Jul 2019 14:47

Tot Ion: 99

Sig Exp Ratio

99 100

42 14.0

71 46.5

Instrument :

BNA_E

ClientSampleId :

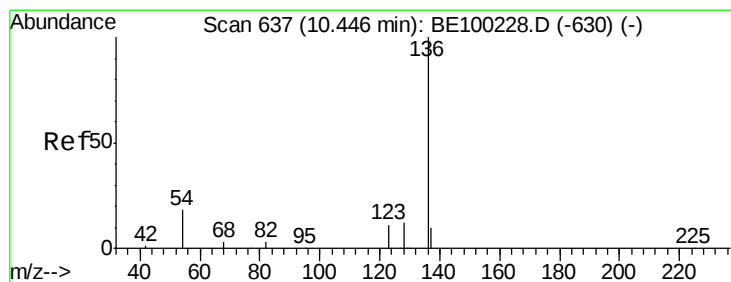
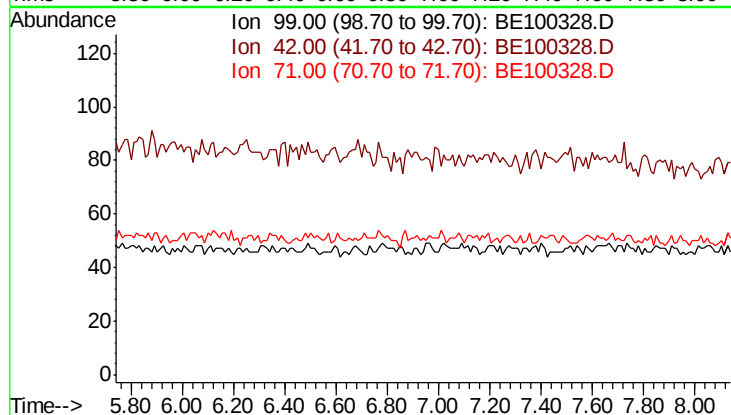
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE100328.D

Acq: 3 Jul 2019 14:47

Tgt Ion:136 Resp: 2094

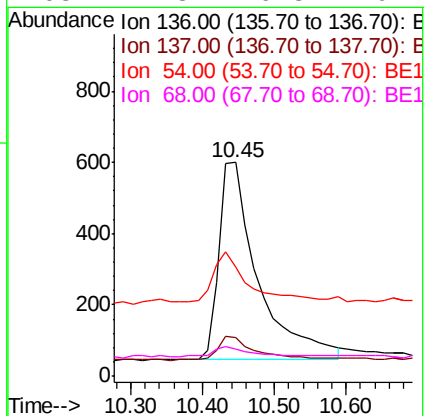
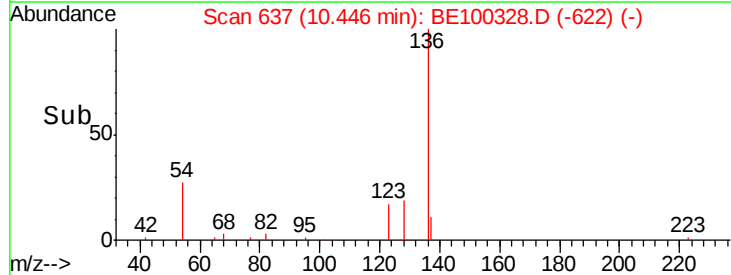
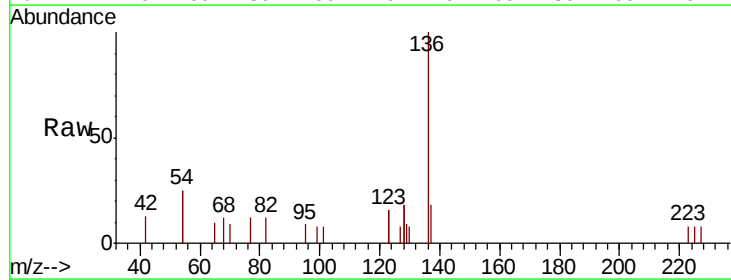
Ion Ratio Lower Upper

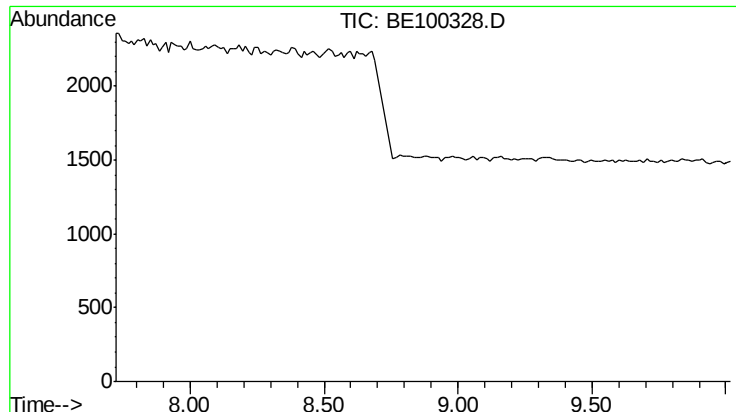
136 100

137 18.0 11.8 17.8#

54 50.7 27.7 41.5#

68 12.3 6.8 10.2#





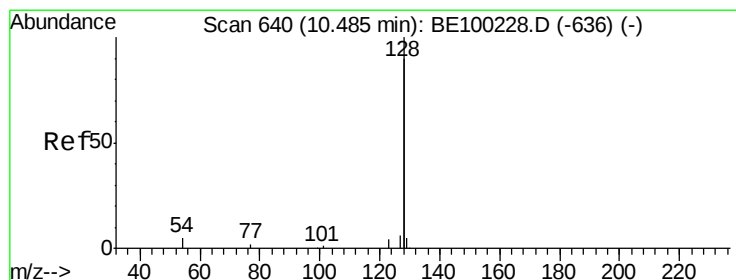
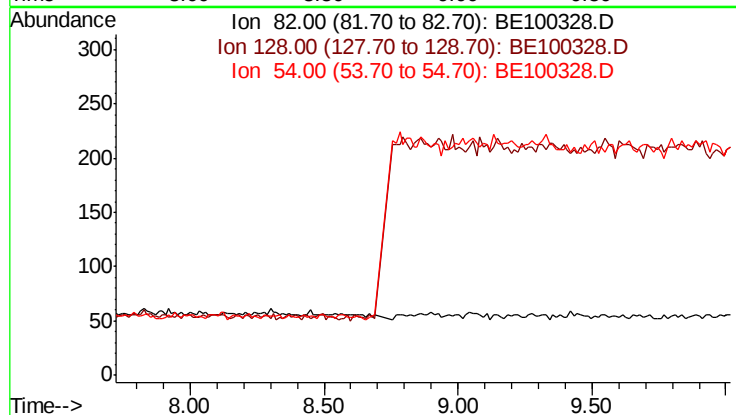
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.82 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

Tot Ion:	82
Sig	Exp Ratio
82	100
128	176.1
54	182.7

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

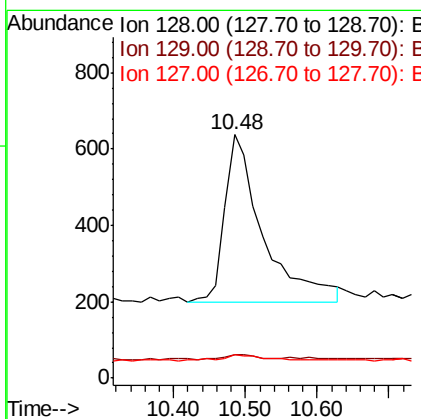
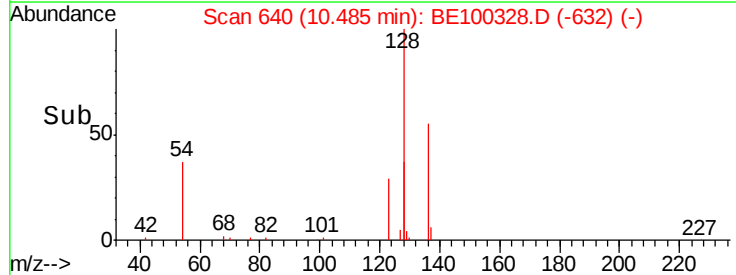
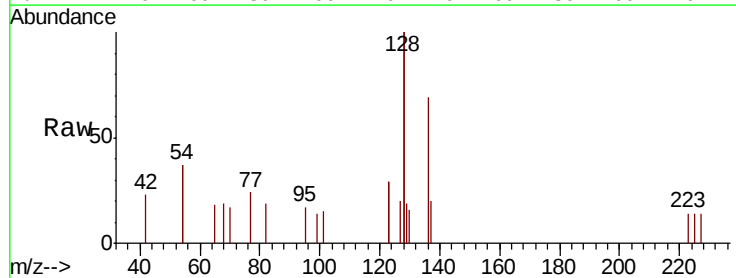
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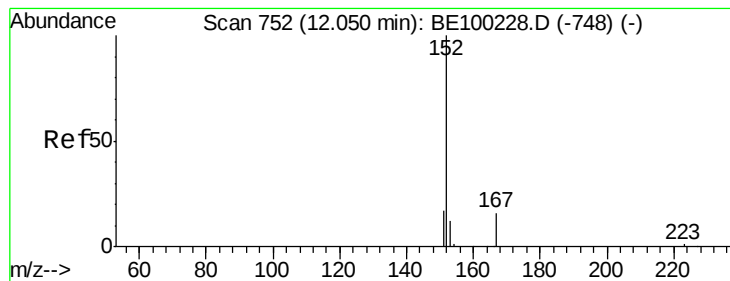
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#9
 Naphthalene
 Concen: 0.070 ng
 RT: 10.48 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

Tgt Ion:	128	Resp:	1610
Ion	Ratio	Lower	Upper
128	100		
129	9.4	3.0	4.6#
127	9.9	3.5	5.3#





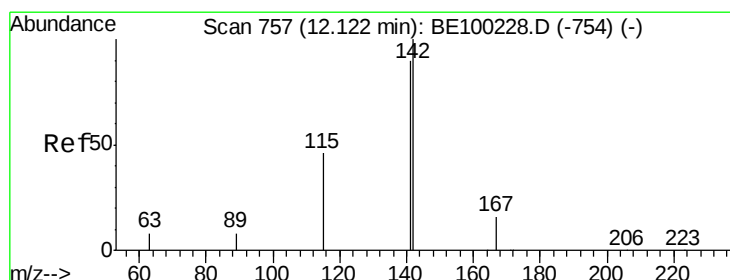
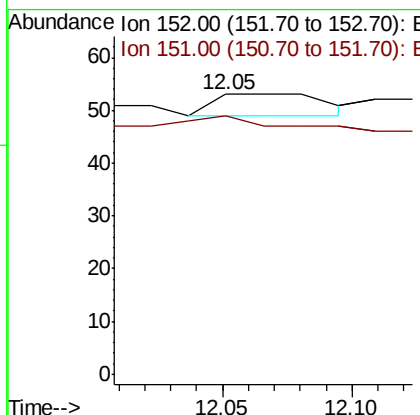
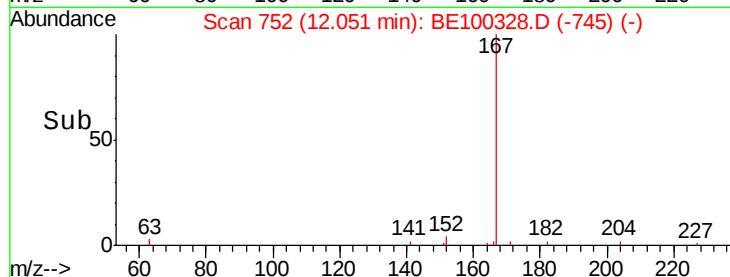
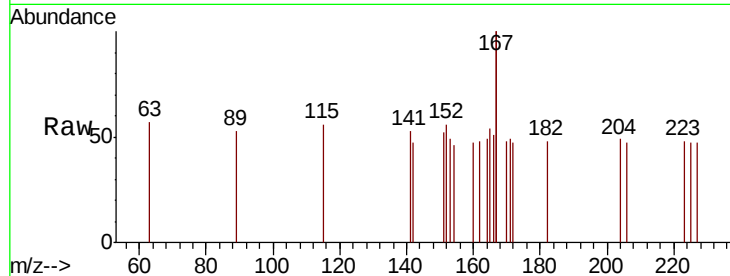
#11
2-Methylnaphthalene-d10
Concen: 0.003 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion:152 Resp: 12
Ion Ratio Lower Upper
152 100
151 58.3 15.1 22.7#

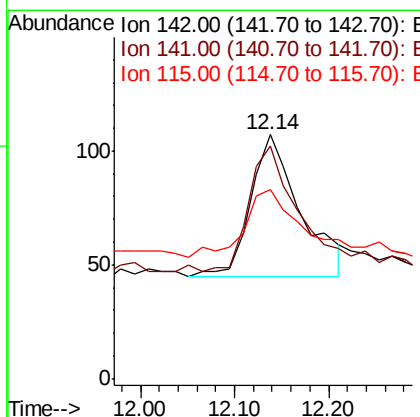
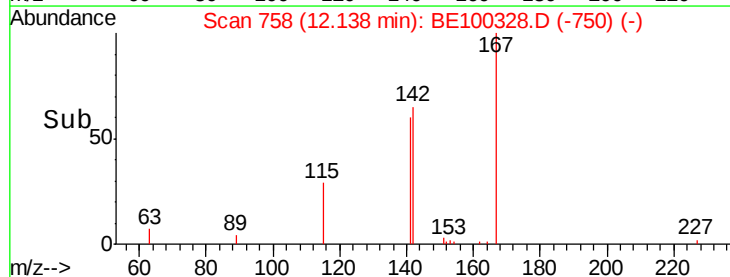
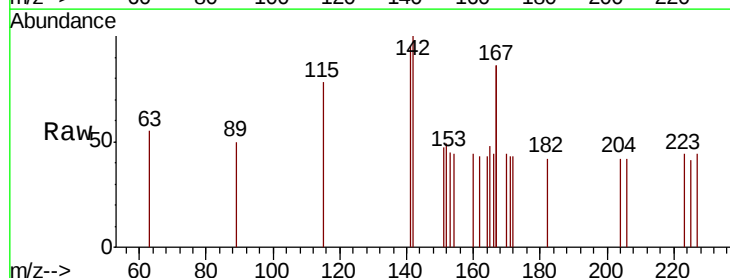
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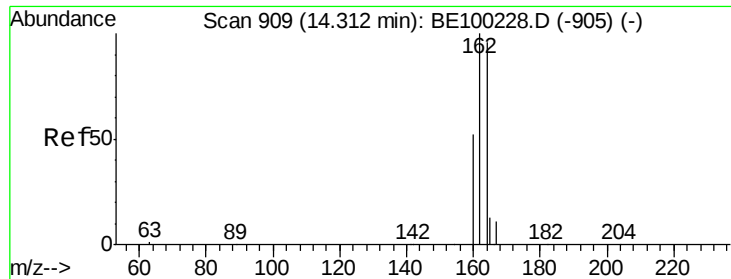
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#12
2-Methylnaphthalene
Concen: 0.056 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.02 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion:142 Resp: 226
Ion Ratio Lower Upper
142 100
141 95.3 72.4 108.6
115 77.6 40.4 60.6#





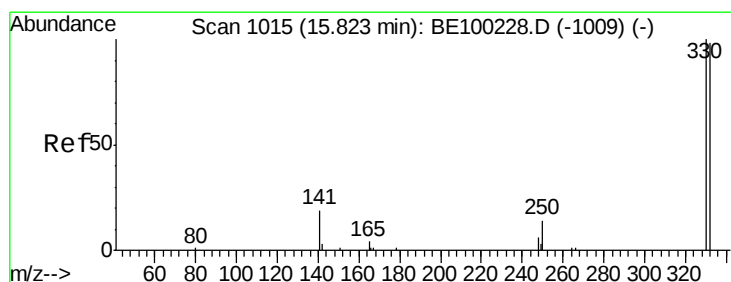
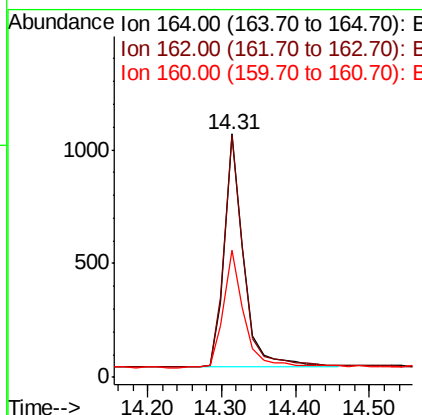
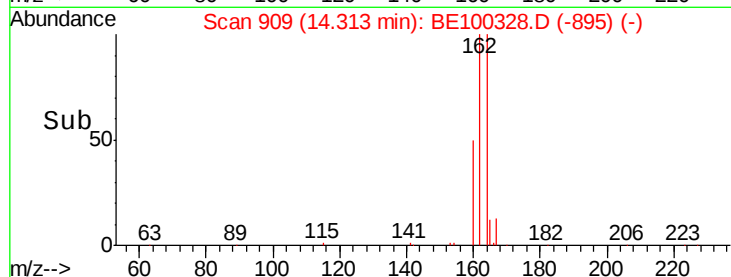
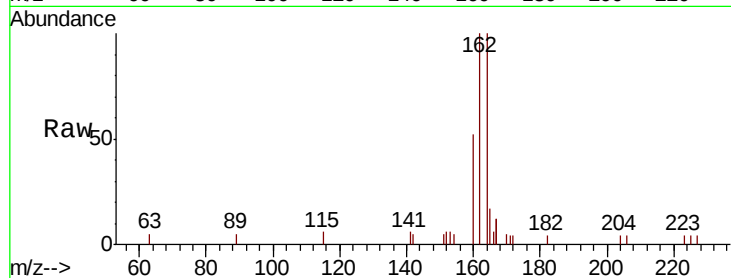
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	83.4	125.0
160	52.3	45.0	67.6

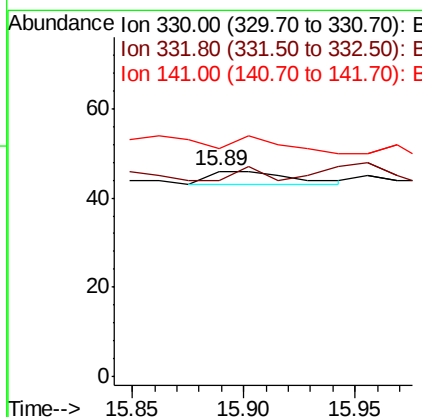
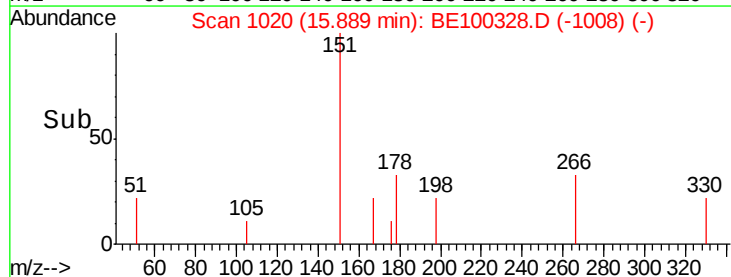
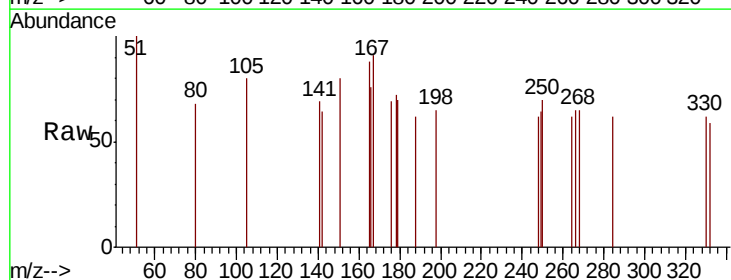
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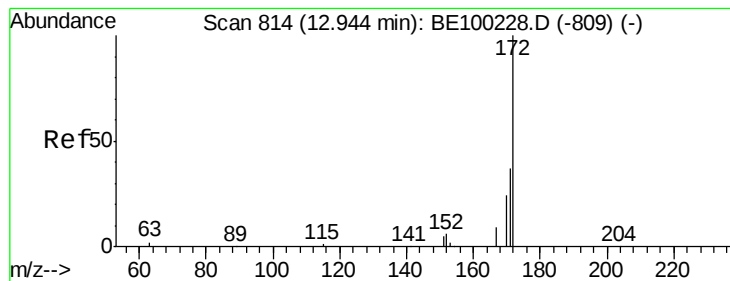
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#14
 2,4,6-Tribromophenol
 Concen: 0.006 ng
 RT: 15.89 min Scan# 1020
 Delta R.T. 0.07 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	25.0	77.0	115.4#
141	0.0	22.0	33.0#





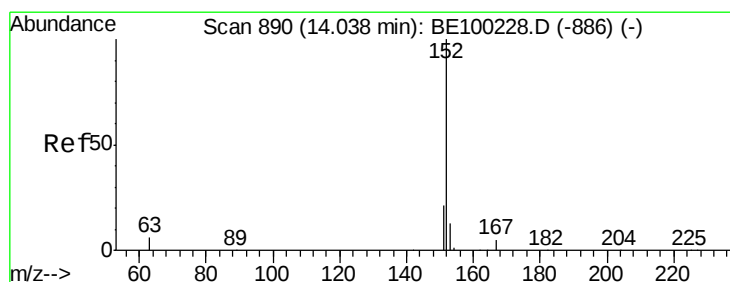
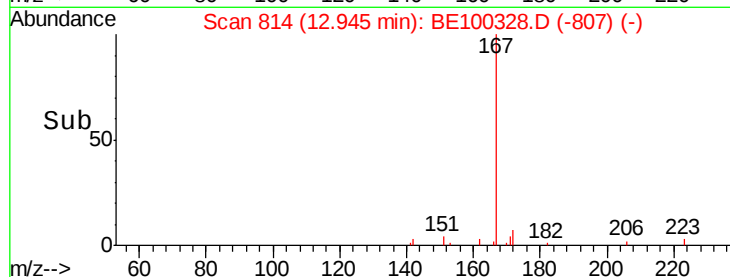
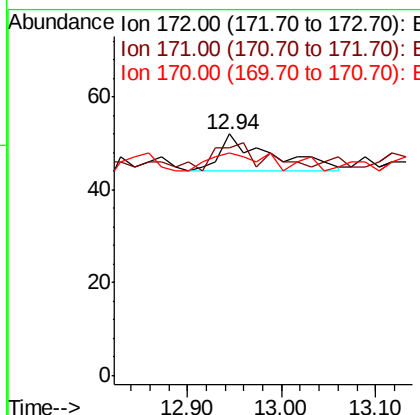
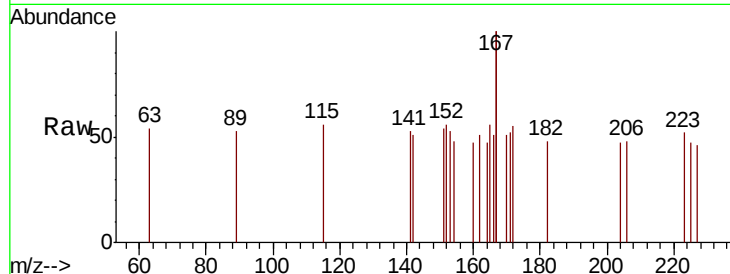
#15
2-Fluorobiphenyl
Concen: 0.004 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	94.2	31.9	47.9#
170	92.3	22.2	33.2#

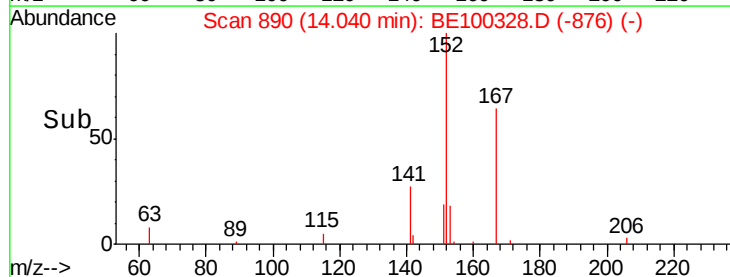
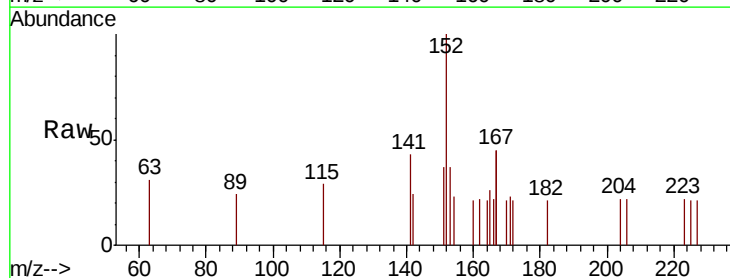
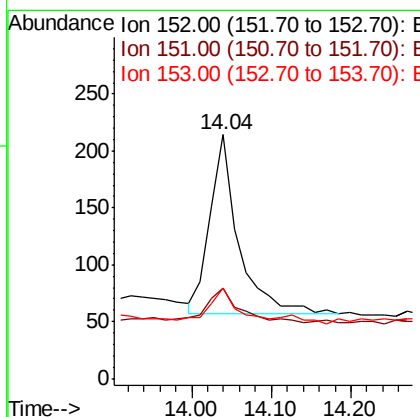
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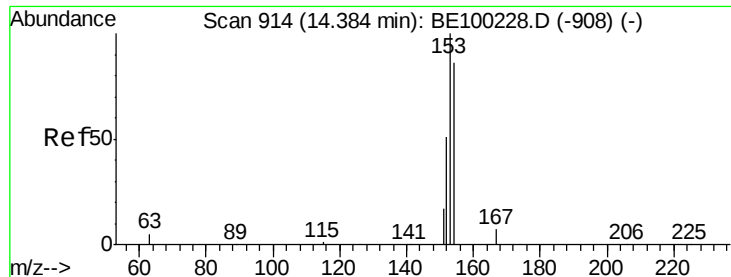
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#16
Acenaphthylene
Concen: 0.044 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.2	16.6	25.0
153	15.6	10.5	15.7





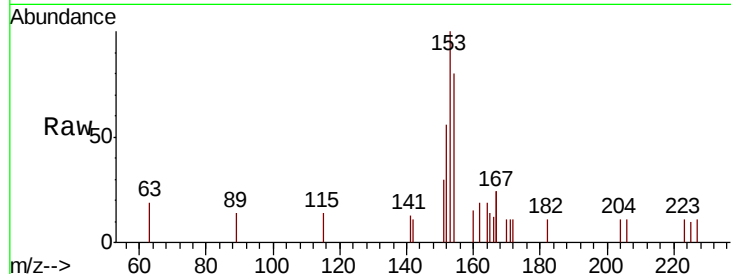
#17
Acenaphthene
Concen: 0.119 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	127.5	93.4	140.2
152	65.2	49.4	74.2

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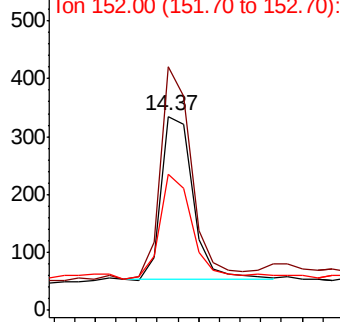


Abundance

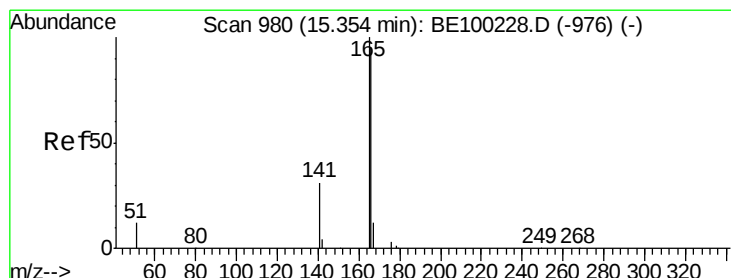
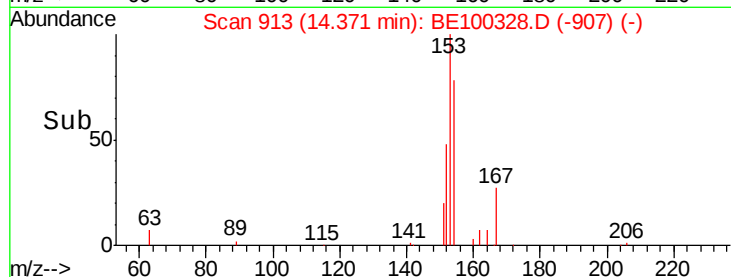
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

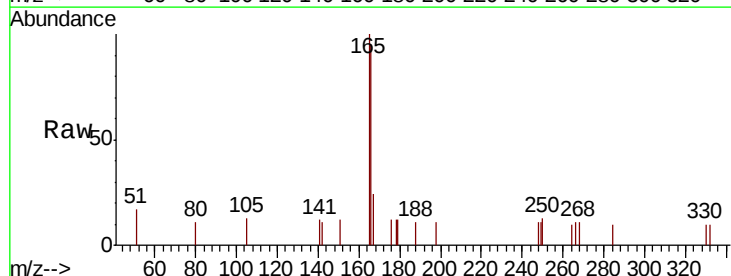


Time-->



#18
Fluorene
Concen: 0.124 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	81.1	121.7
167	14.1	10.7	16.1

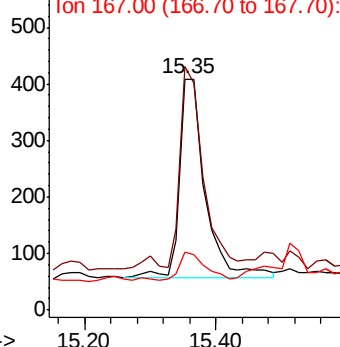


Abundance

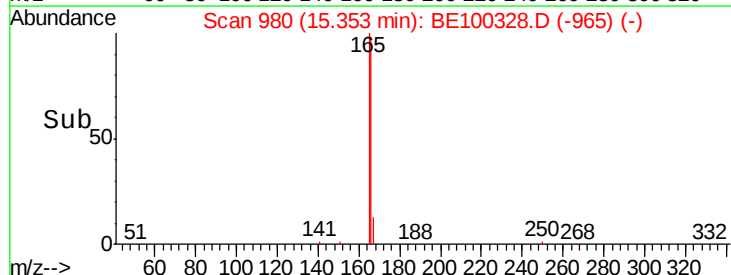
Ion 166.00 (165.70 to 166.70): E

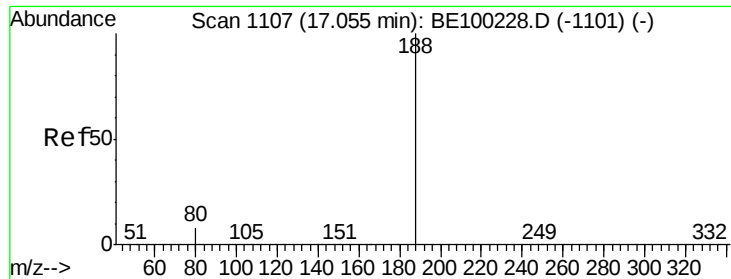
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





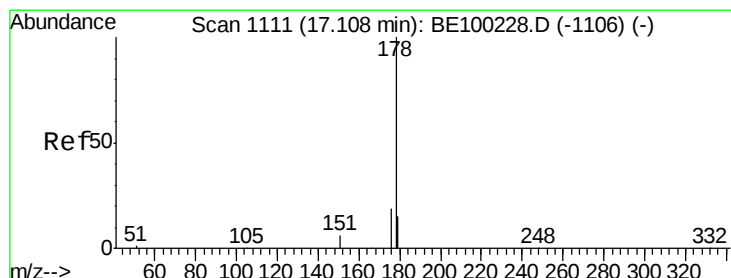
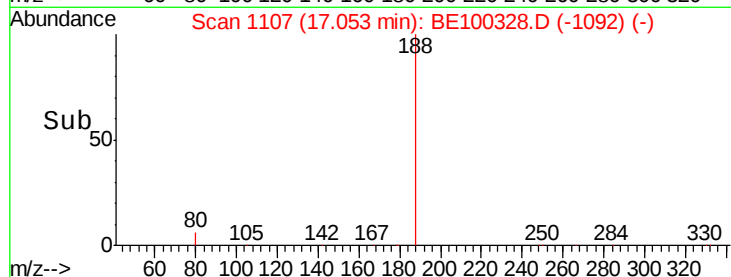
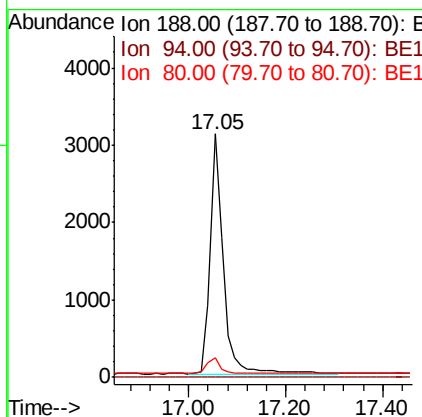
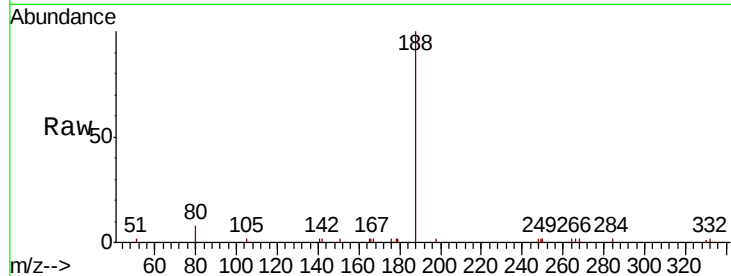
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5647		
94	0.0	0.0	0.0	0.0
80	7.8	7.6	11.4	

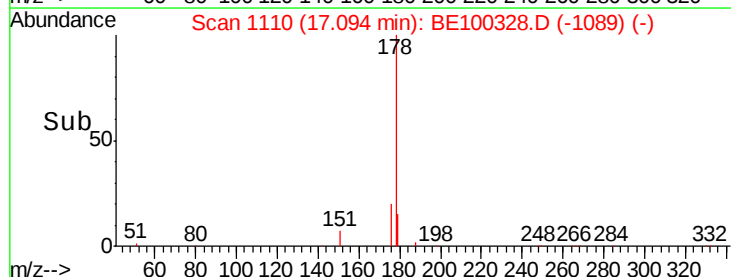
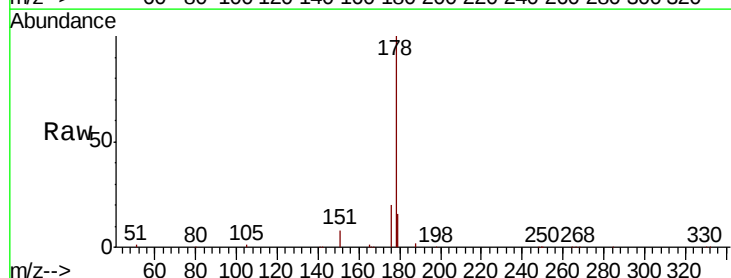
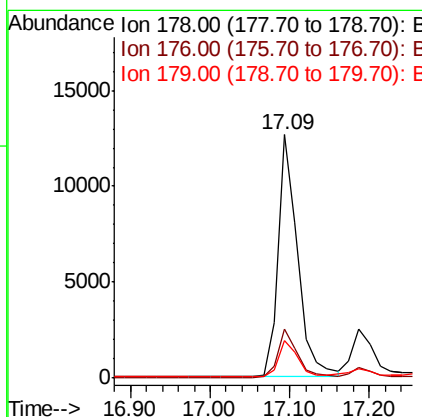
Manual Integrations
APPROVED

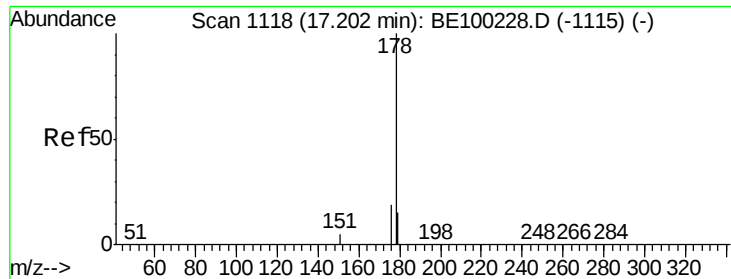
mohammad
7/5/2019 8:53:46 AM



#23
Phenanthrene
Concen: 1.588 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	21740		
176	19.6	15.9	23.9	
179	15.4	12.2	18.2	





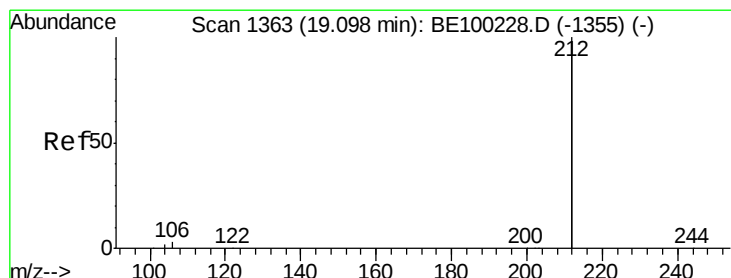
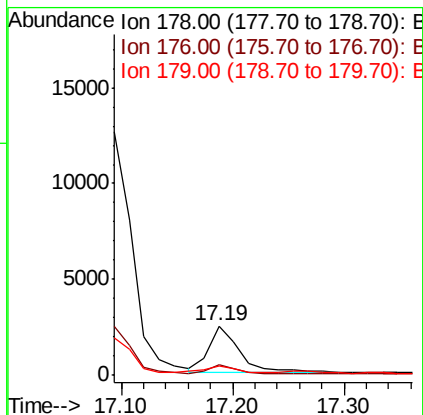
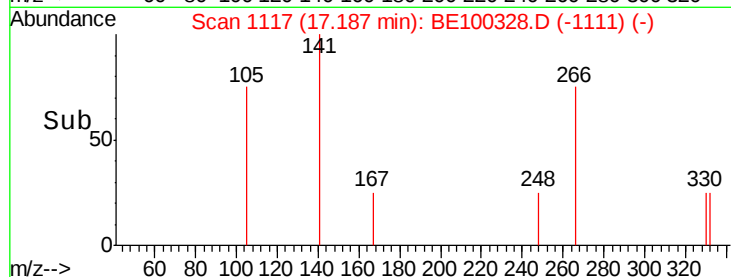
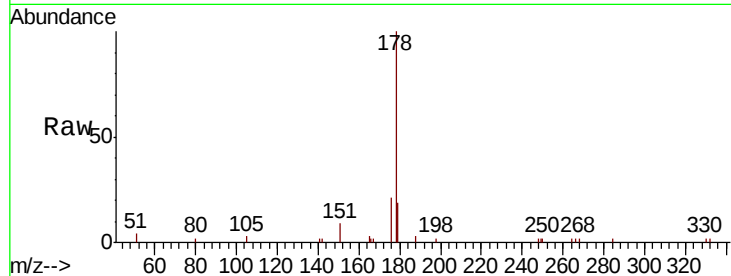
#24
 Anthracene
 Concen: 0.366 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	16.0	12.2	18.2

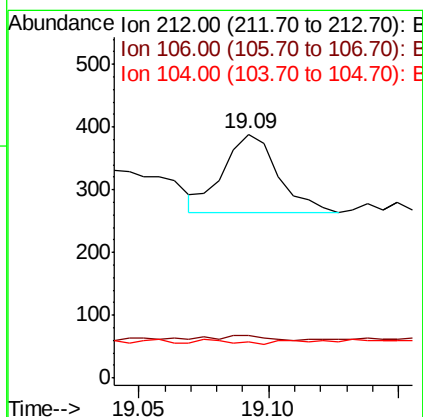
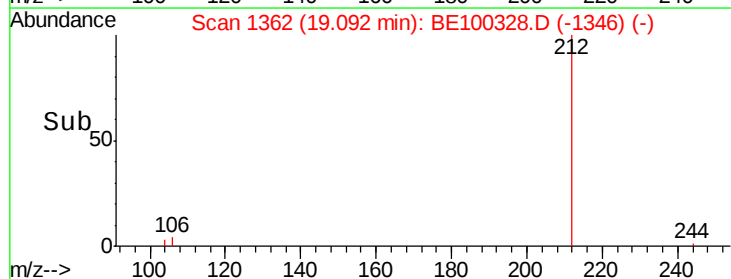
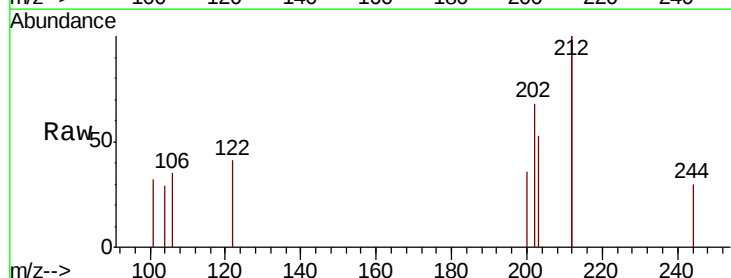
Manual Integrations
 APPROVED

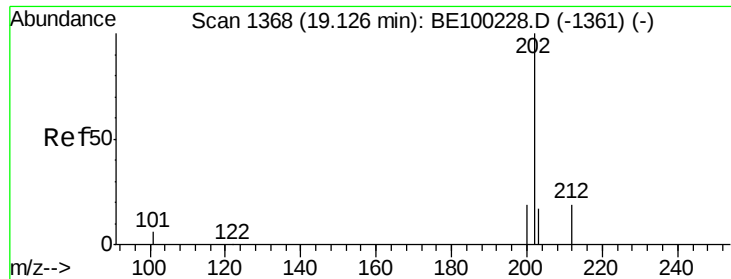
mohammad
 7/5/2019 8:53:46 AM



#25
 Fluoranthene-d10
 Concen: 0.002 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
212	100		
106	7.2	1.3	1.9#
104	2.8	0.8	1.2#





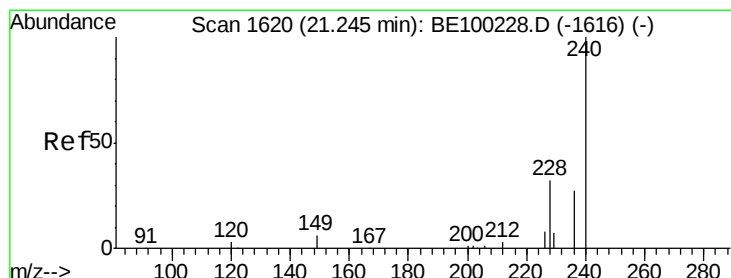
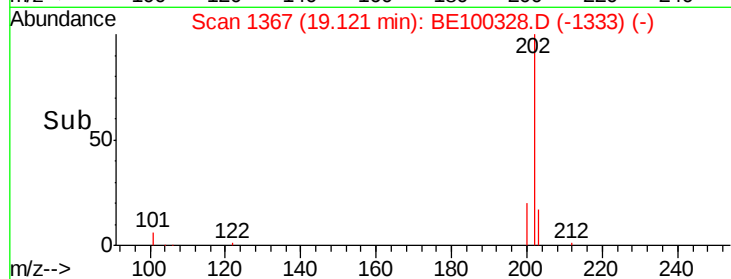
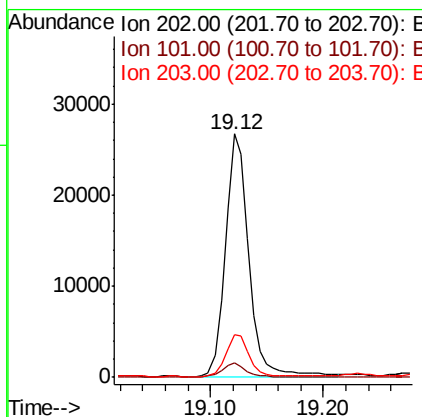
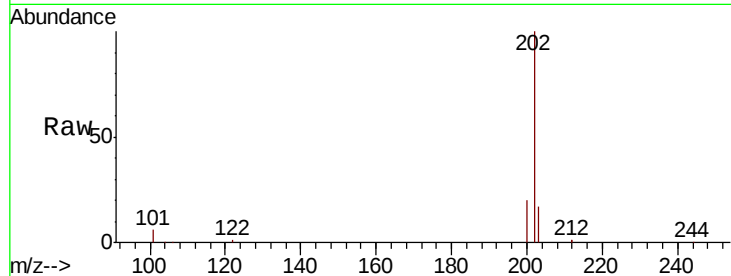
#26
Fluoranthene
Concen: 1.761 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.0	13.7	20.5

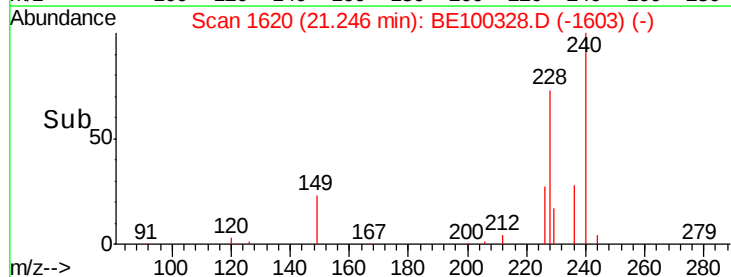
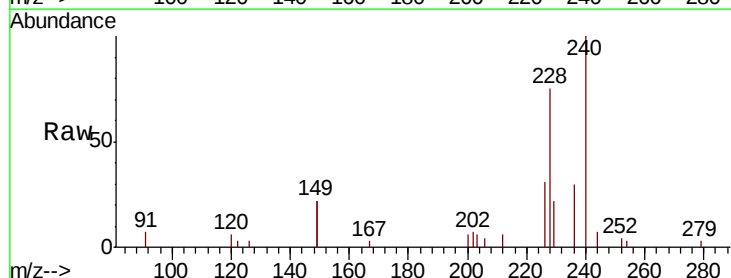
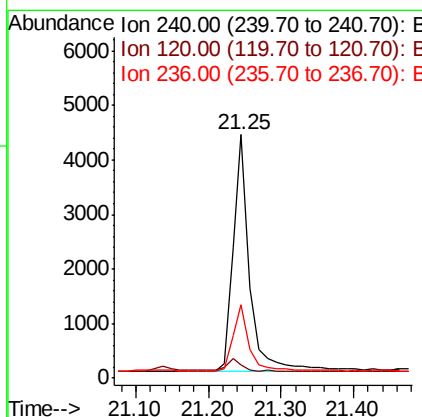
Manual Integrations
APPROVED

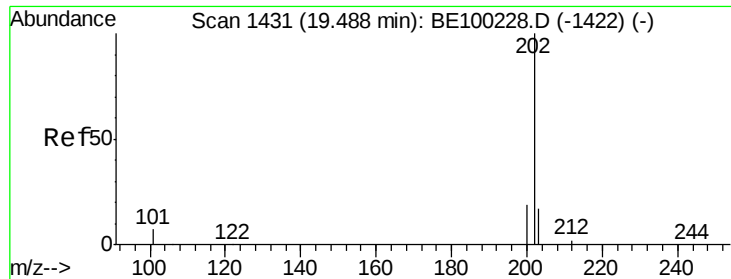
mohammad
7/5/2019 8:53:46 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	3.3	4.9#
236	30.1	22.6	34.0





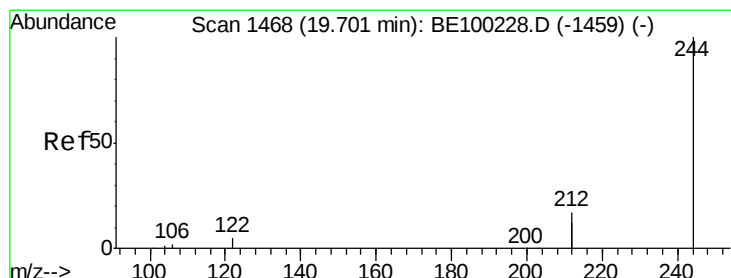
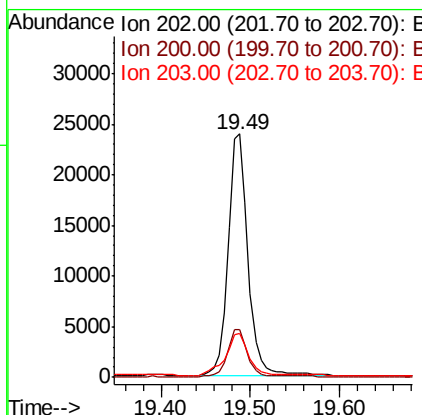
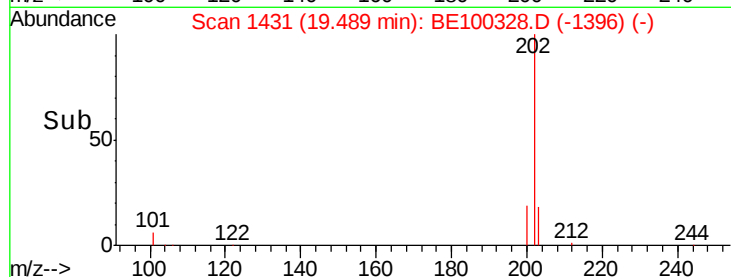
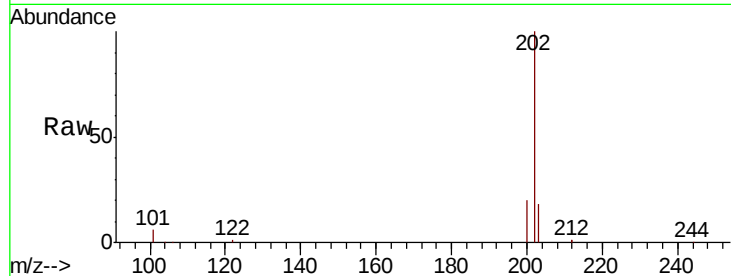
#28
Pvrene
Concen: 1.968 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.6	23.4
203	20.4	14.0	21.0

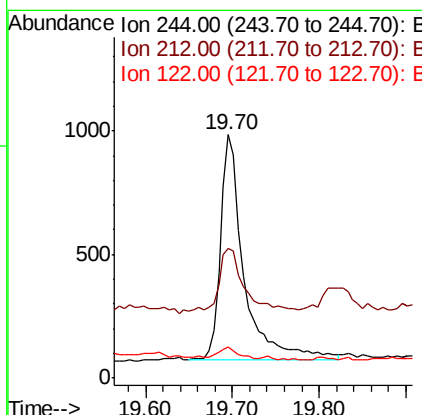
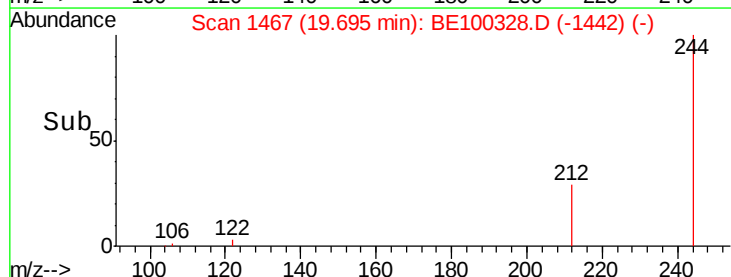
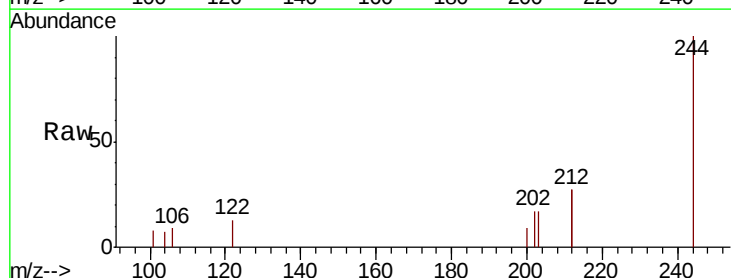
Manual Integrations
APPROVED

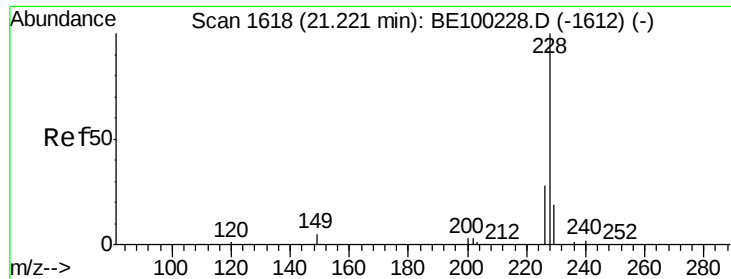
mohammad
7/5/2019 8:53:46 AM



#29
Terphenyl-d14
Concen: 0.118 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	53.3	27.3	40.9#
122	12.6	4.7	7.1#





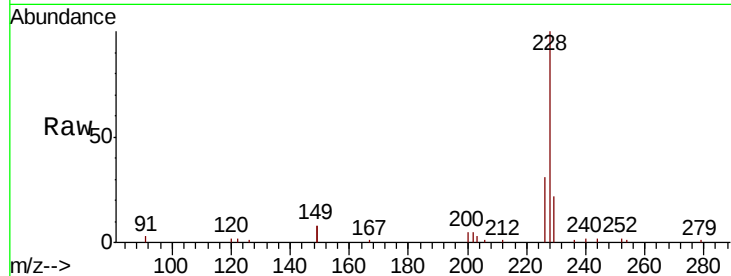
#30
Benzo(a)anthracene
Concen: 0.837 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.2	34.8
229	22.4	15.7	23.5

Manual Integrations
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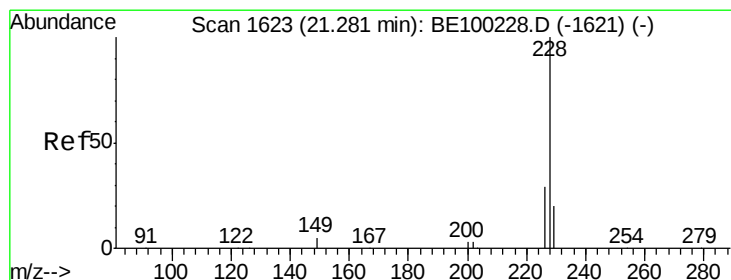
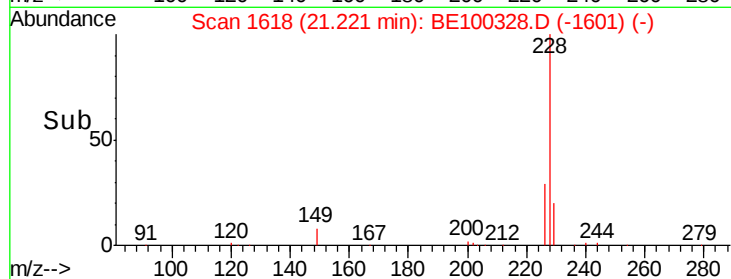
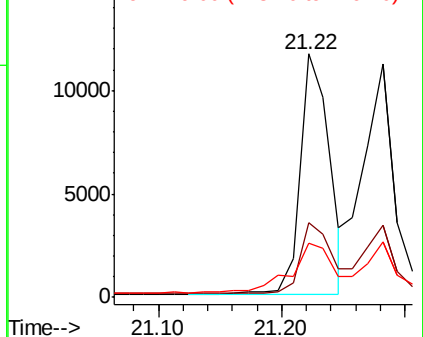


Abundance

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: 0.814 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

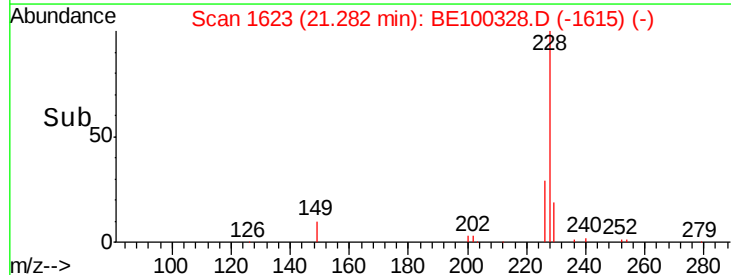
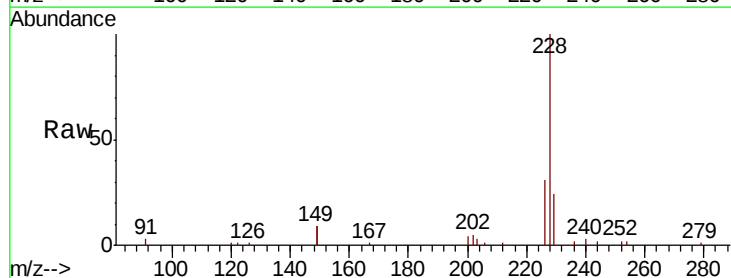
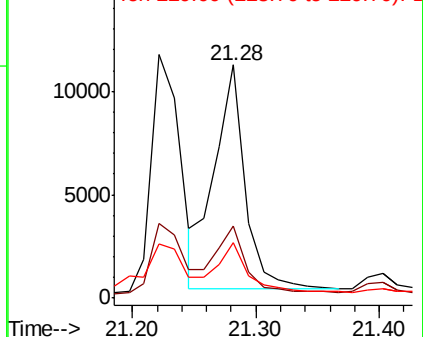
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	23.6	16.5	24.7

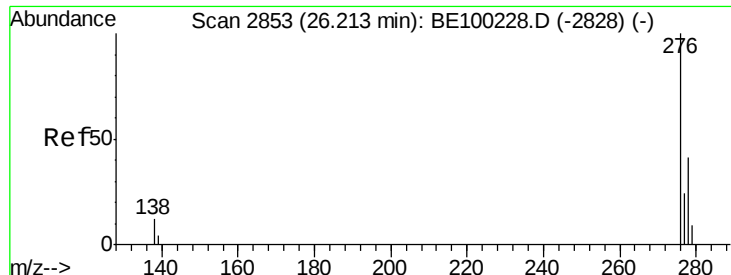
Abundance

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





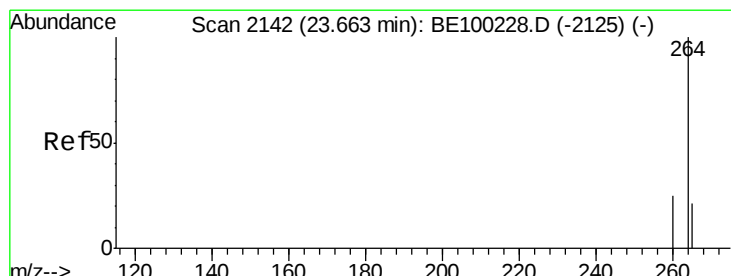
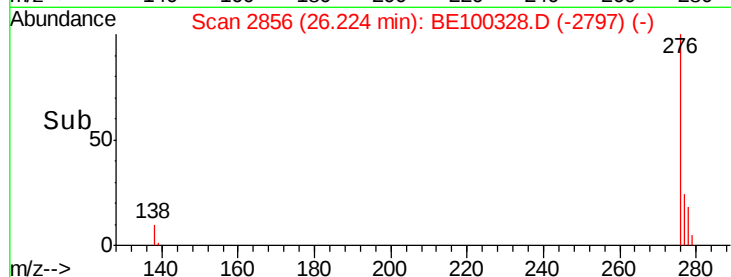
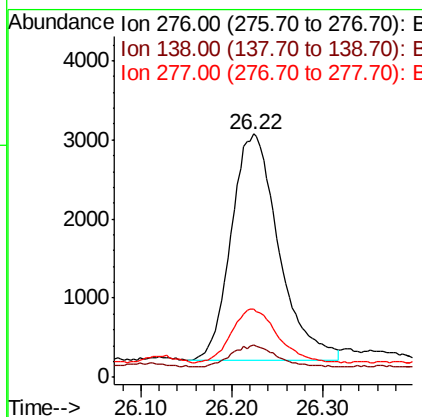
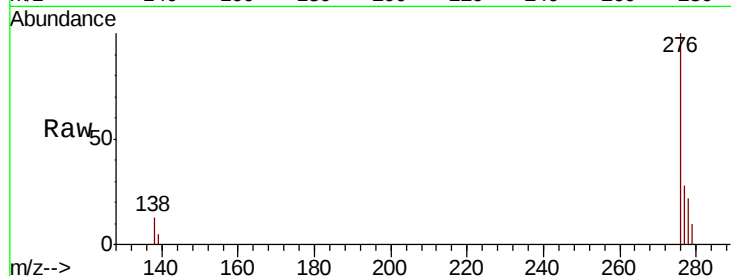
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.339 ng
 RT: 26.22 min Scan# 2856
 Delta R.T. 0.01 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.3	9.4	14.0#
277	23.1	19.2	28.8

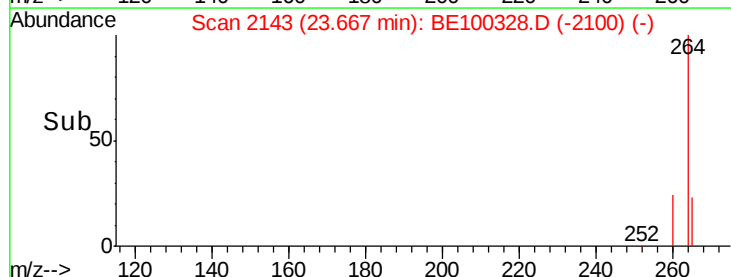
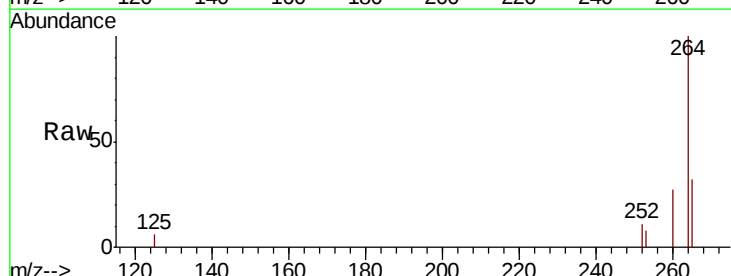
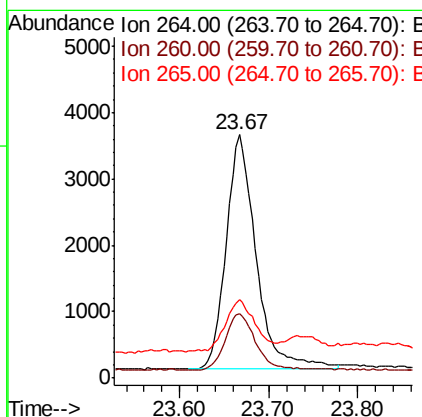
Manual Integrations
 APPROVED

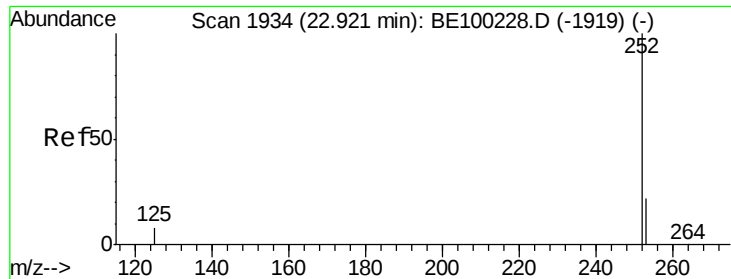
mohammad
 7/5/2019 8:53:46 AM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	32.0	21.8	32.6





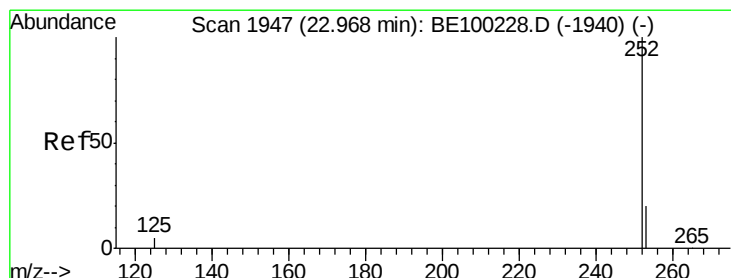
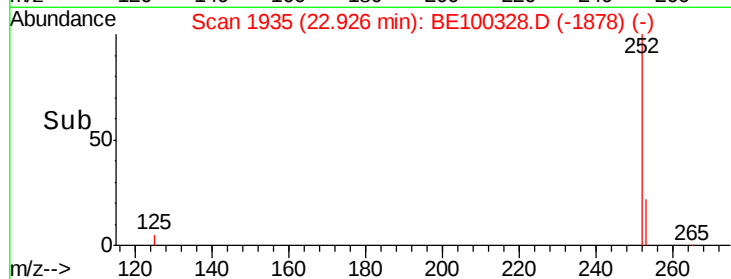
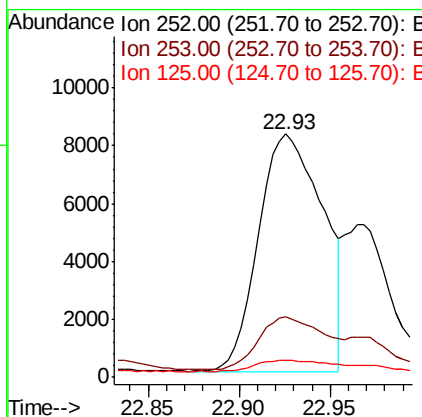
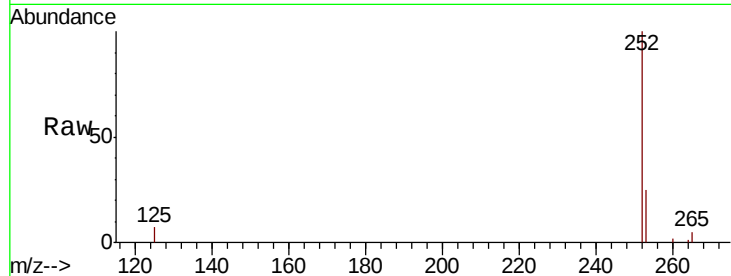
#35
Benzo(b)fluoranthene
Concen: 0.893 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.2	28.8
125	7.1	7.4	11.0#

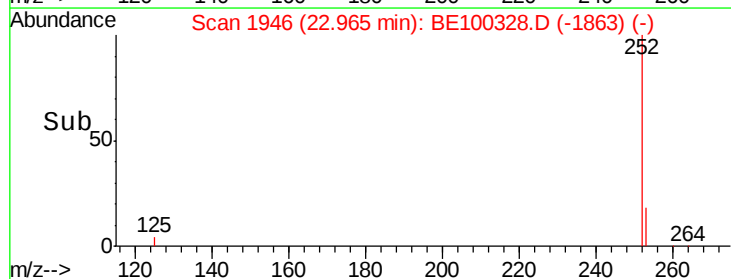
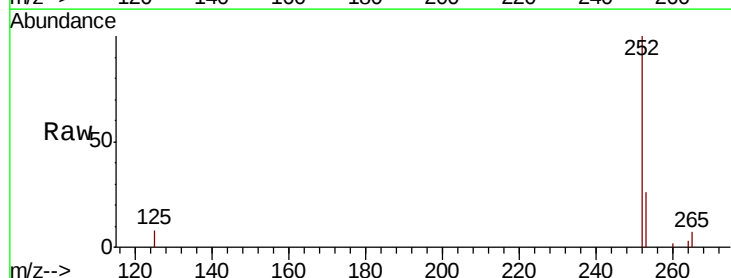
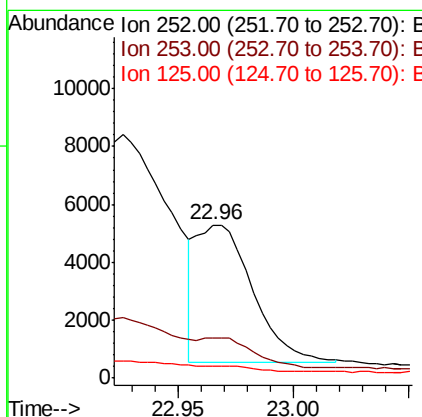
Manual Integrations
APPROVED

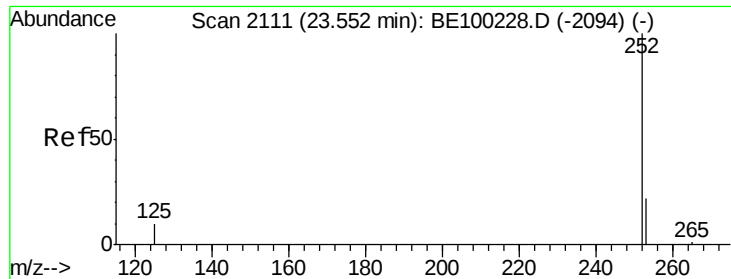
mohammad
7/5/2019 8:53:46 AM



#36
Benzo(k)fluoranthene
Concen: 0.318 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	8.1	5.0	7.4#





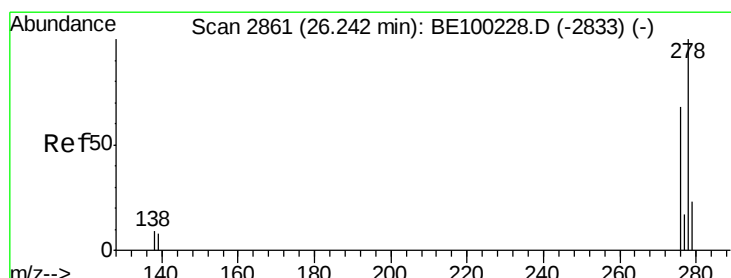
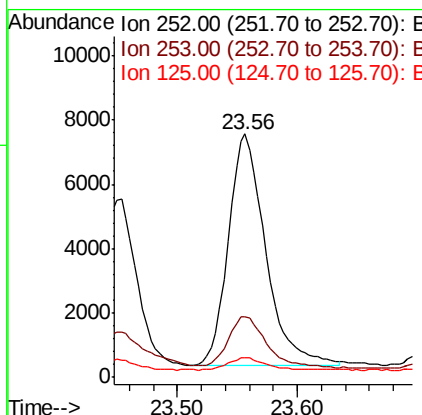
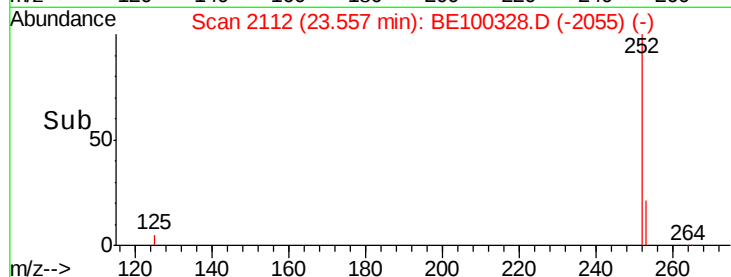
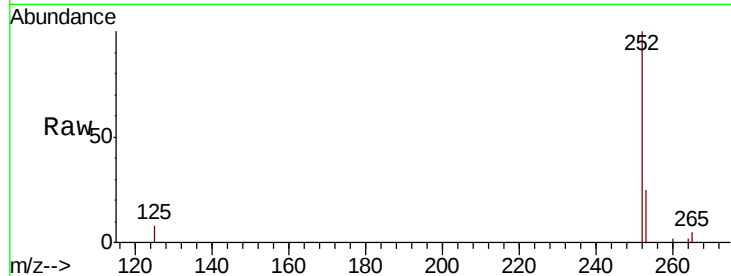
#37
Benzo(a)pyrene
Concen: 0.687 ng m
RT: 23.56 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.6	29.4
125	8.2	9.0	13.6

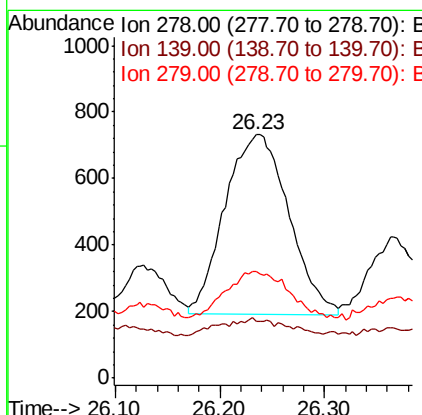
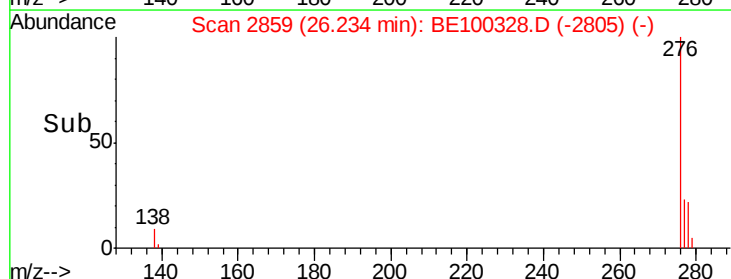
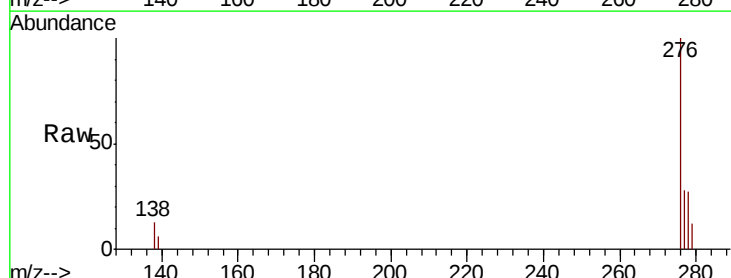
Manual Integrations
APPROVED

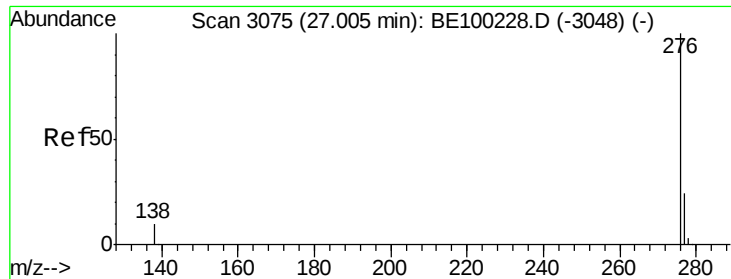
mohammad
7/5/2019 8:53:46 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.097 ng
RT: 26.23 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BE100328.D
Acq: 3 Jul 2019 14:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.5	8.2	12.2
279	44.0	20.3	30.5





#39
 Benzo(a,h,i)perylene
 Concen: 0.473 ng
 RT: 27.00 min Scan# 3075
 Delta R.T. -0.00 min
 Lab File: BE100328.D
 Acq: 3 Jul 2019 14:47

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

Tot Ion:	276	Resp:	11496
Ion Ratio	Lower	Upper	
276	100		
277	27.2	20.2	30.2
138	12.7	9.0	13.6

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:53:46 AM

