

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100138.D
 Acq On : 21 Jun 2019 16:15
 Operator : JU/SJ
 Sample : K3428-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Manual Integrations
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 6/25/2019 3:21:11 PM

Quant Time: Jun 22 02:31:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	542	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	1935	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1805	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6632	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9215	0.40	ng	0.00
34) Perylene-d12	23.83	264	10840	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	431	0.38	ng	-0.01
5) Phenol-d6	6.91	99	589	0.38	ng	-0.02
8) Nitrobenzene-d5	8.91	82	547	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	89	0.02	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	382	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2070	0.29	ng	-0.01
25) Fluoranthene-d10	19.18	212	2075	0.02	ng	-0.01
29) Terphenyl-d14	19.79	244	5386	0.29	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.59	128	1147	0.055	ng	# 79
12) 2-Methylnaphthalene	12.22	142	153	0.044	ng	# 84
16) Acenaphthylene	14.13	152	1313	0.153	ng	97
17) Acenaphthene	14.47	154	171	0.036	ng	92
18) Fluorene	15.45	166	463	0.065	ng	# 82
23) Phenanthrene	17.19	178	11749	0.739	ng	98
24) Anthracene	17.28	178	1198	0.089	ng	# 93
26) Fluoranthene	19.22	202	22055	0.865	ng	98
28) Pyrene	19.58	202	27181	1.148	ng	97
30) Benzo(a)anthracene	21.32	228	14364	0.524	ng	96
31) Chrysene	21.38	228	17380	0.546	ng	96
32) Bis(2-ethylhexyl)phthalate	21.25	149	10850	0.419	ng	99
33) Indeno(1,2,3-cd)pyrene	26.47	276	9483	0.265	ng	# 95
35) Benzo(b)fluoranthene	23.06	252	18064	0.568	ng	# 88
36) Benzo(k)fluoranthene	23.11	252	6534m	0.181	ng	
37) Benzo(a)pyrene	23.72	252	12982	0.423	ng	# 91
38) Dibenzo(a,h)anthracene	26.48	278	2295	0.073	ng	# 61
39) Benzo(a,h,i)perylene	27.28	276	10354	0.317	ng	98

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

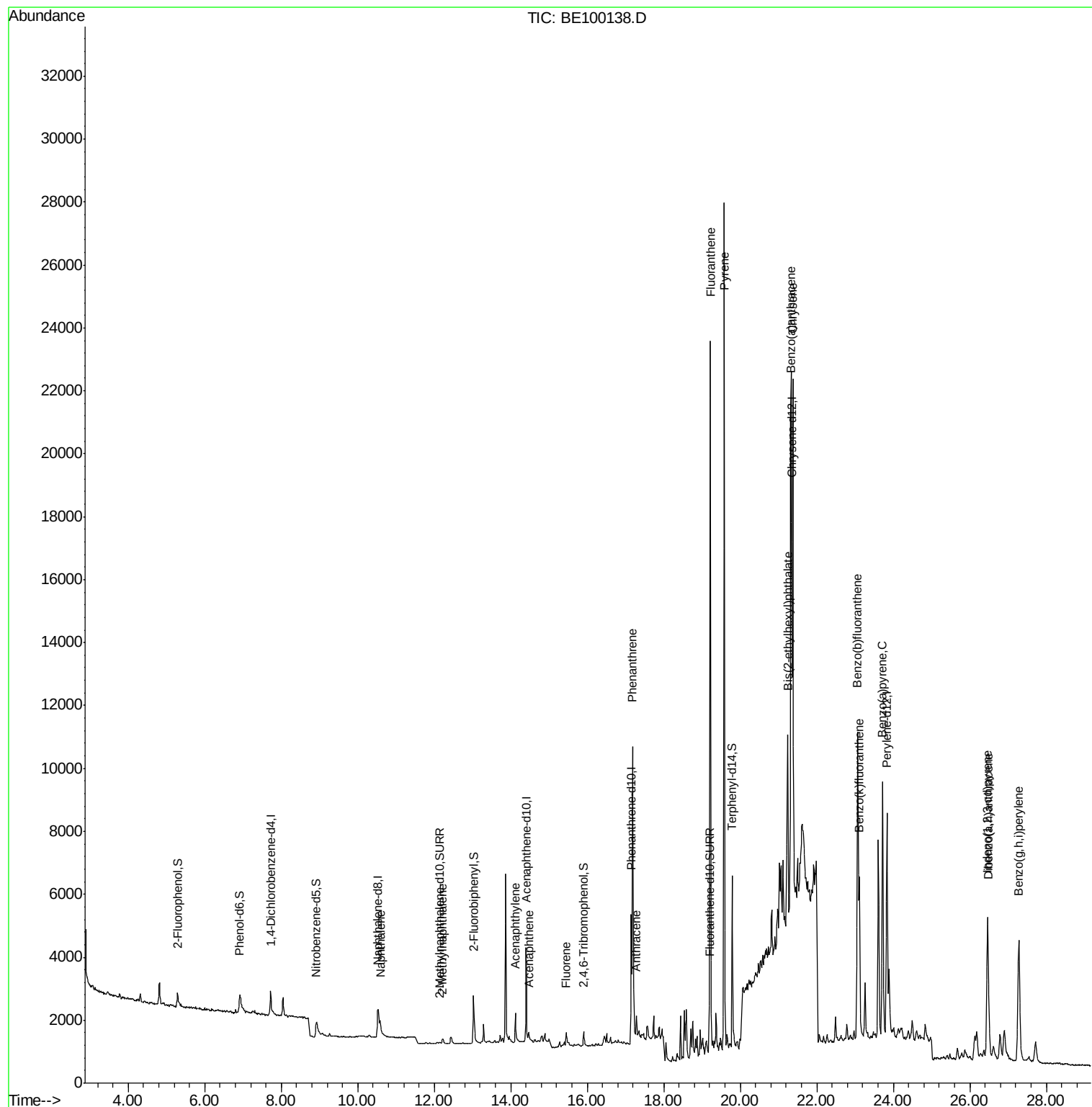
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
Data File : BE100138.D
Acq On : 21 Jun 2019 16:15
Operator : JU/SJ
Sample : K3428-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

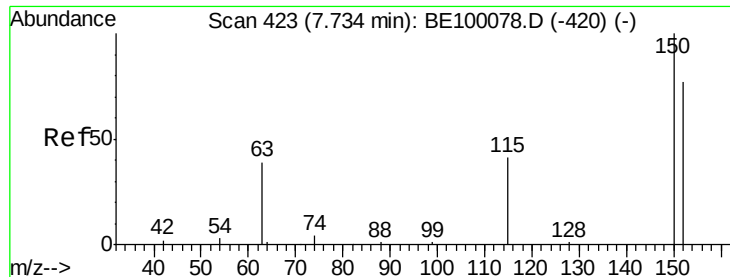
Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

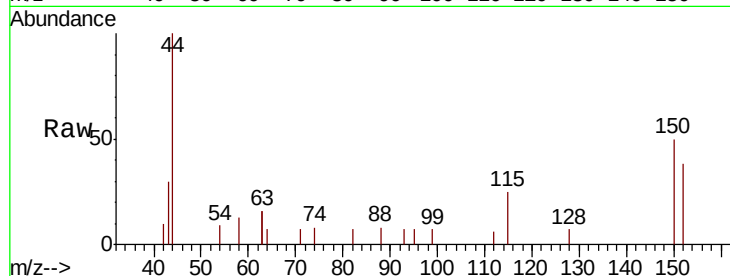
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.8	99.8	149.8
115	65.9	51.3	76.9

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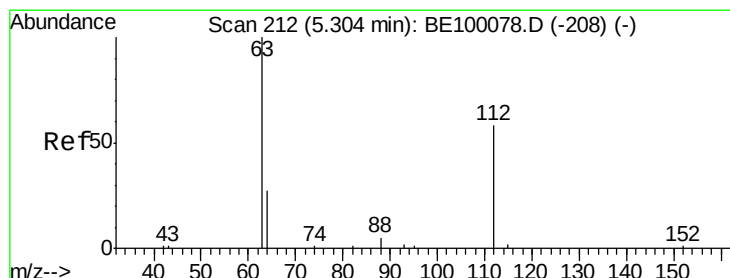
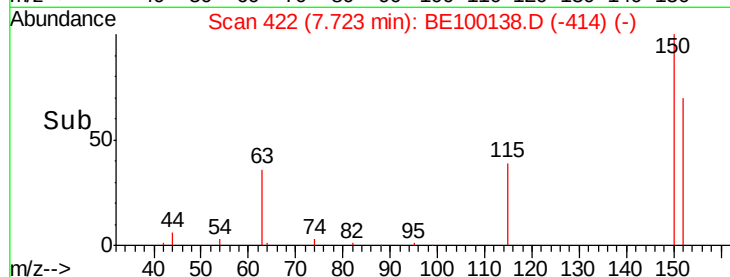
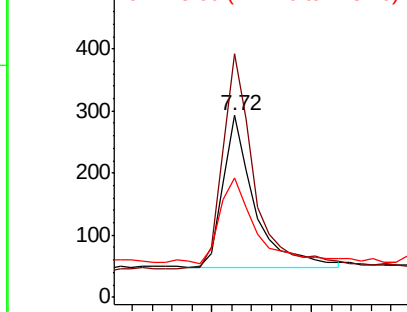


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

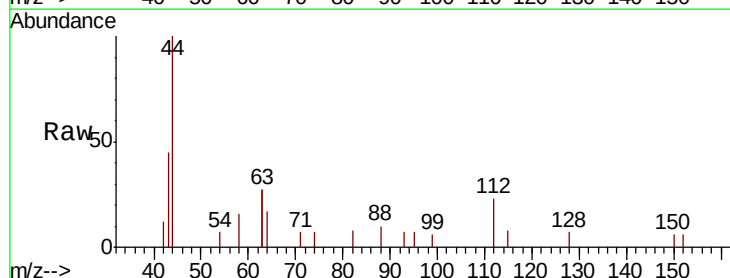
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.383 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	22.0	33.0#
63	135.0	121.8	182.6

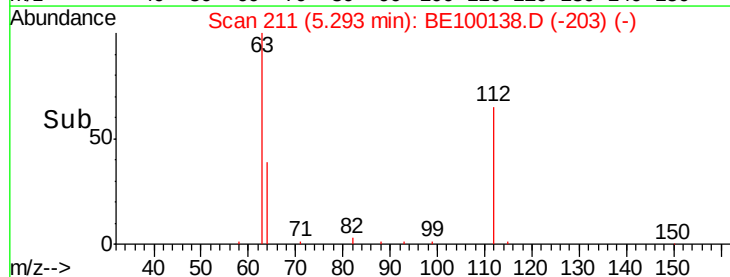
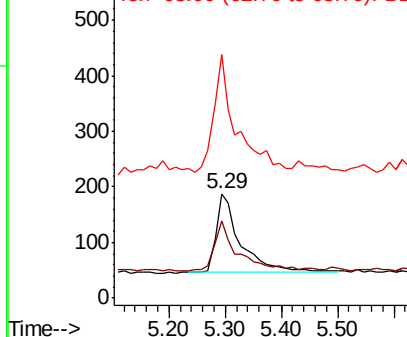


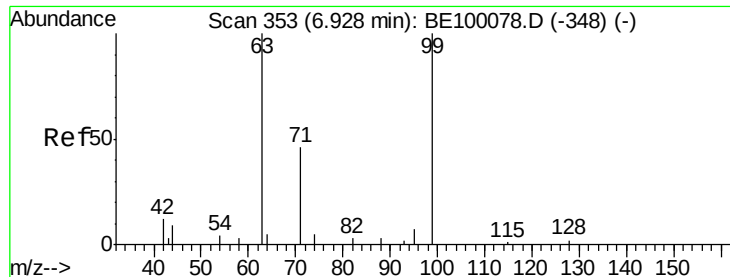
Abundance

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: 0.381 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Instrument :

BNA_E

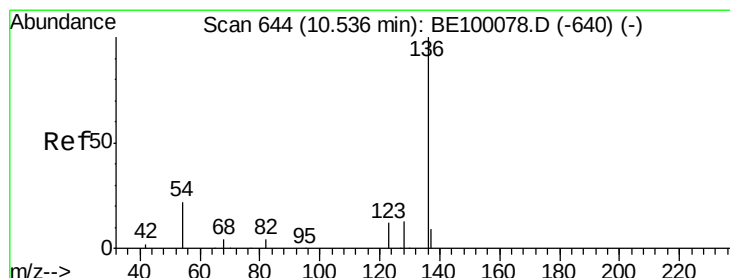
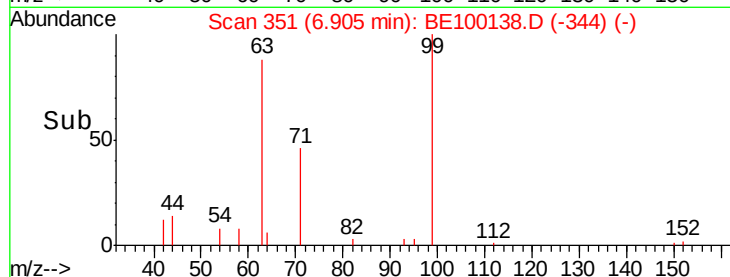
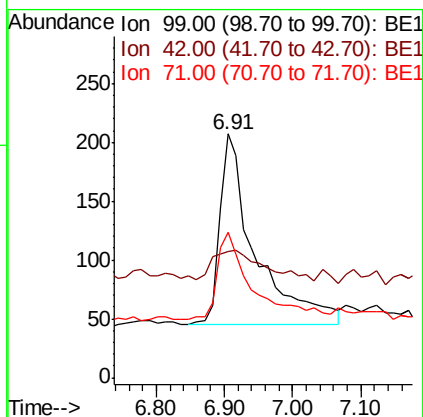
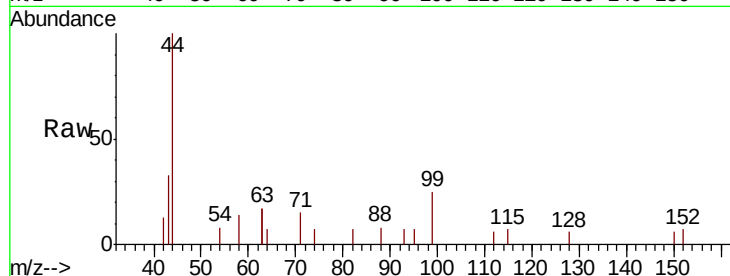
ClientSampleId :

PST-084-B042-061319

Tot Ion:	99	Resp:	589
Ion	Ratio	Lower	Upper
99	100		
42	23.4	0.0	0.0#
71	44.1	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

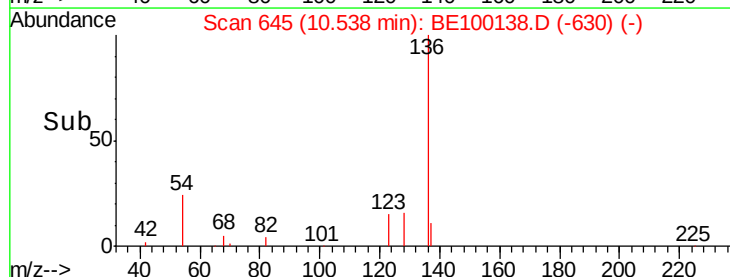
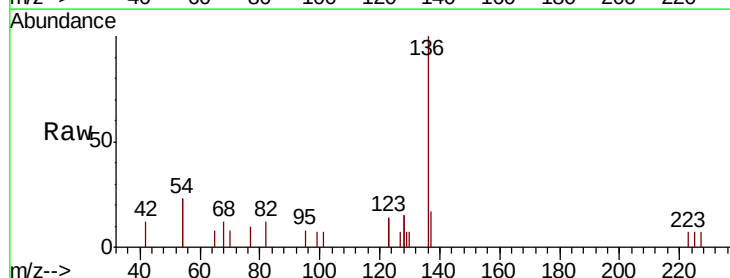
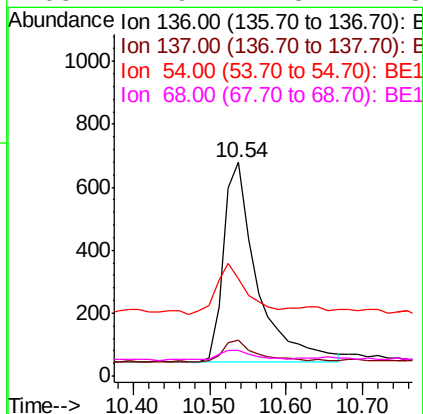
RT: 10.54 min Scan# 645

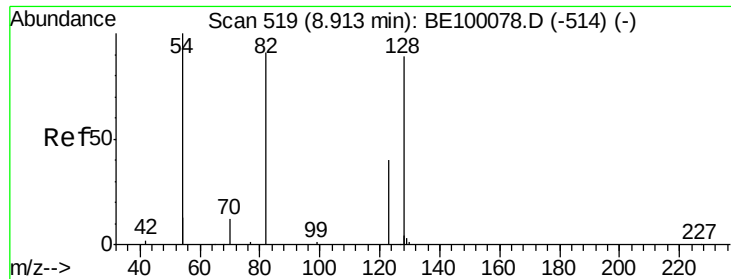
Delta R.T. 0.00 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Tgt Ion:	136	Resp:	1935
Ion	Ratio	Lower	Upper
136	100		
137	16.9	11.6	17.4
54	45.4	33.9	50.9
68	11.9	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.291 ng

RT: 8.91 min Scan# 520

Delta R.T. 0.00 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Instrument :

BNA_E

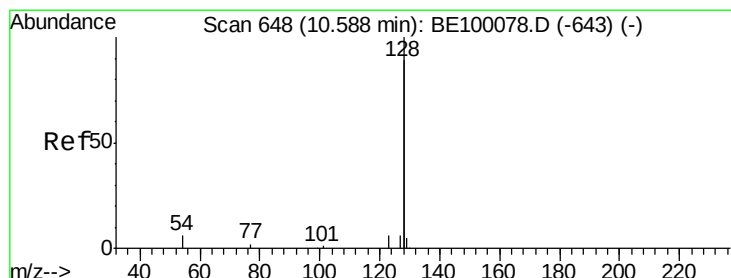
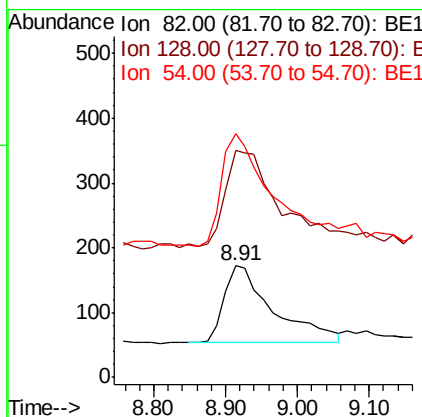
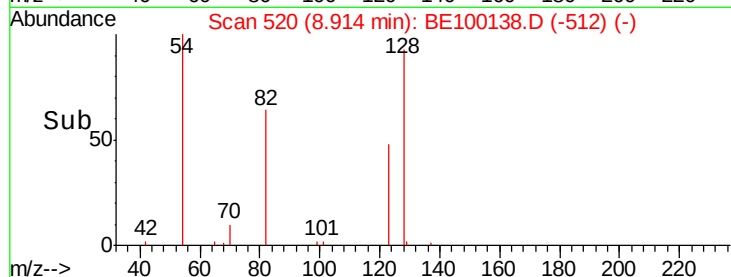
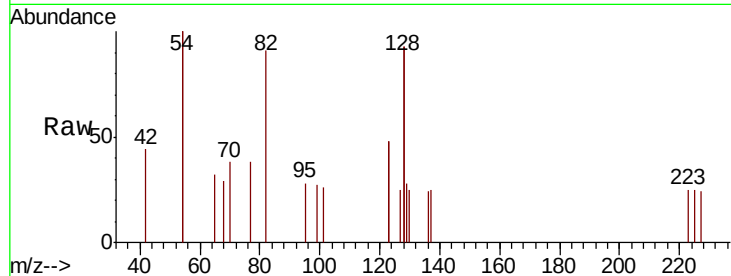
ClientSampleId :

PST-084-B042-061319

Tot Ion:	82	Resp:	547
Ion Ratio	Lower	Upper	
82	100		
128	203.5	128.0	192.0#
54	218.6	143.4	215.0#

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#9

Naphthalene

Concen: 0.055 ng

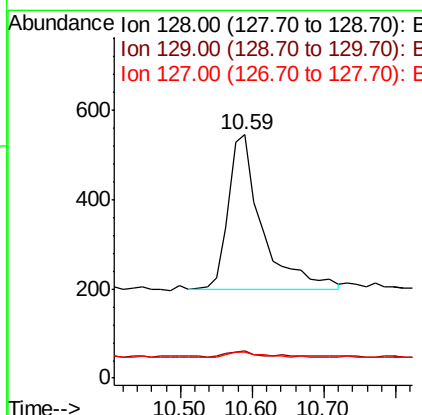
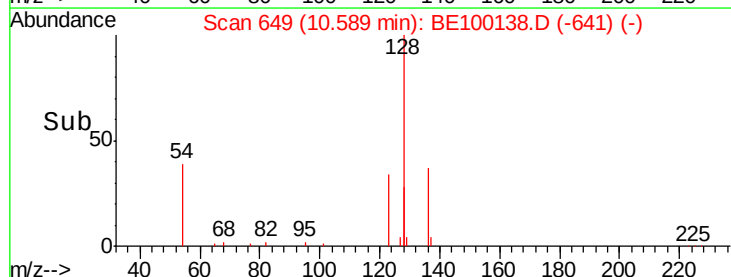
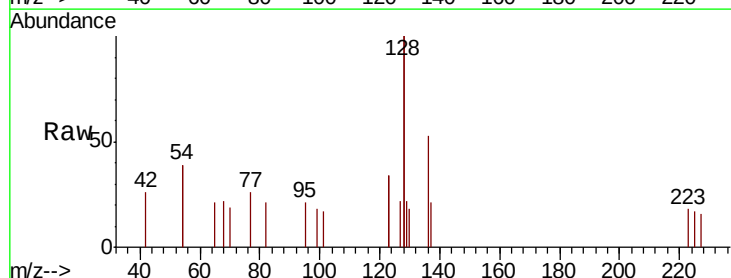
RT: 10.59 min Scan# 649

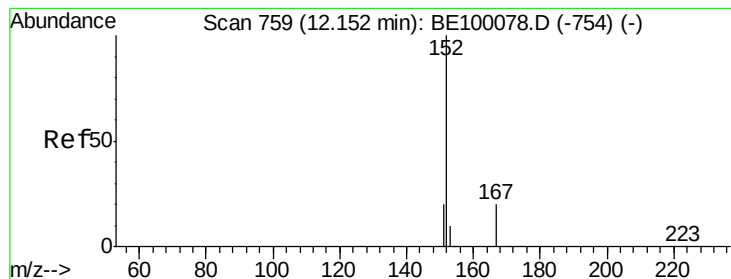
Delta R.T. 0.00 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Tgt Ion:	128	Resp:	1147
Ion Ratio	Lower	Upper	
128	100		
129	11.2	3.1	4.7#
127	10.8	3.4	5.2#





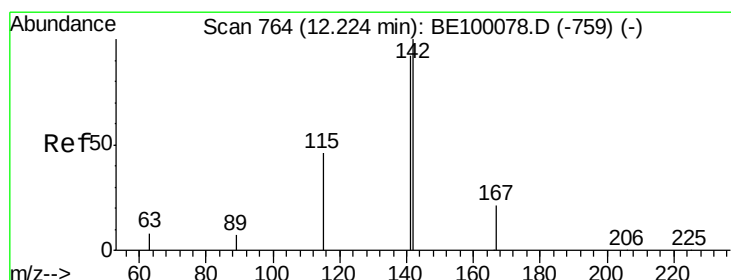
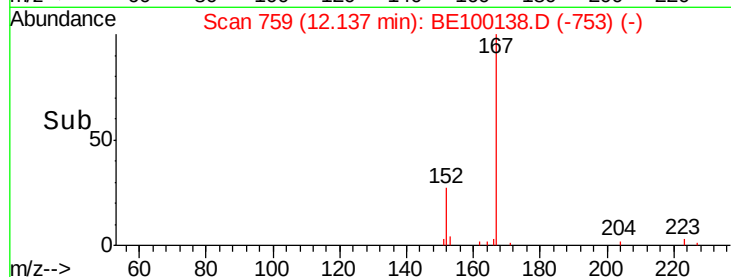
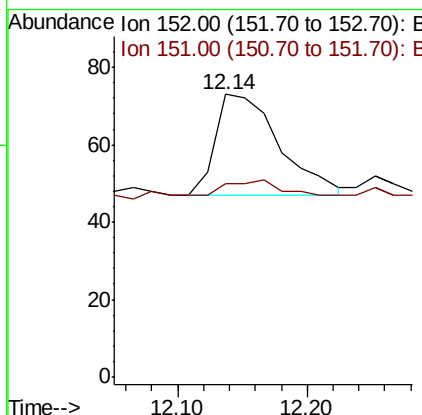
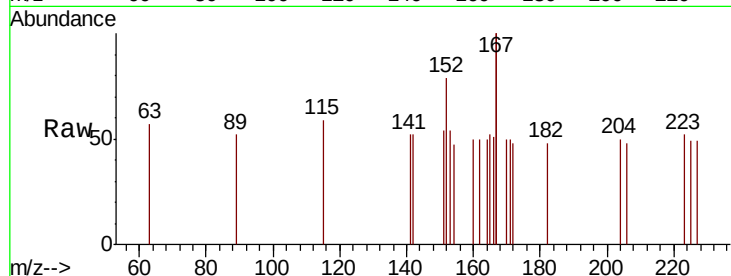
#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.14 min Scan# 759
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion:152 Resp: 89
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#

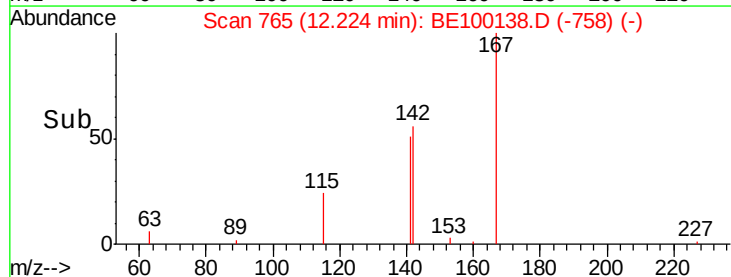
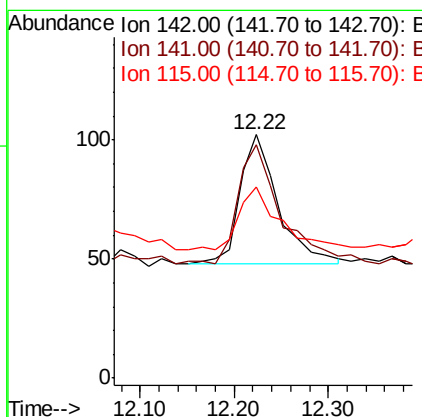
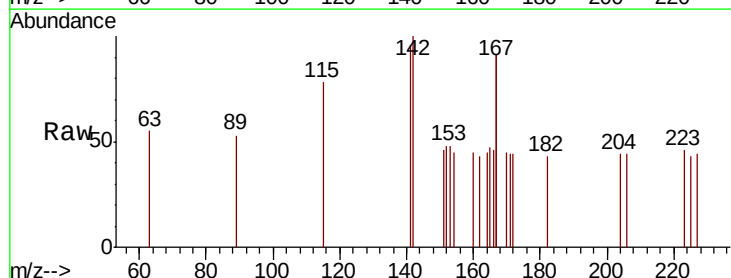
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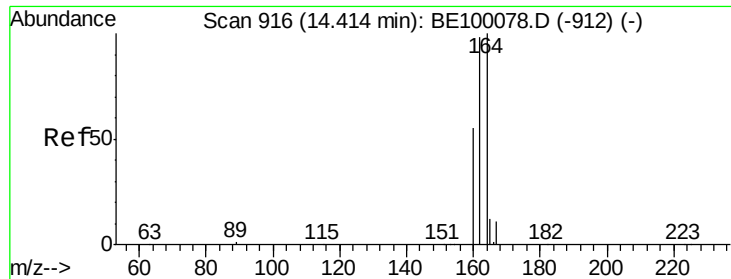
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#12
2-Methylnaphthalene
Concen: 0.044 ng
RT: 12.22 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion:142 Resp: 153
Ion Ratio Lower Upper
142 100
141 96.1 74.1 111.1
115 78.4 40.9 61.3#





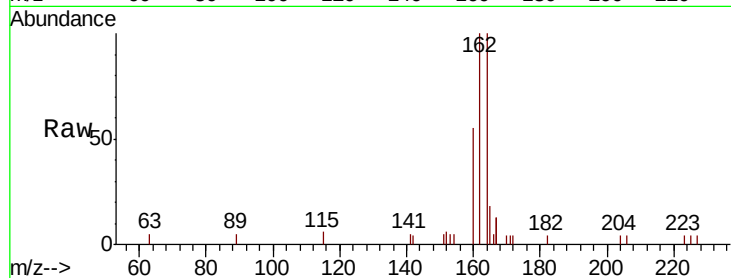
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BE100138.D
 Acq: 21 Jun 2019 16:15

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.2	117.2
160	54.9	45.6	68.4

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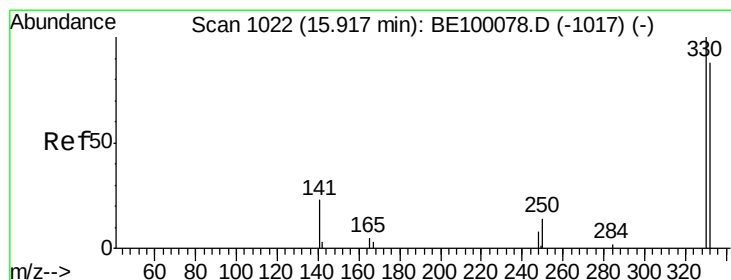
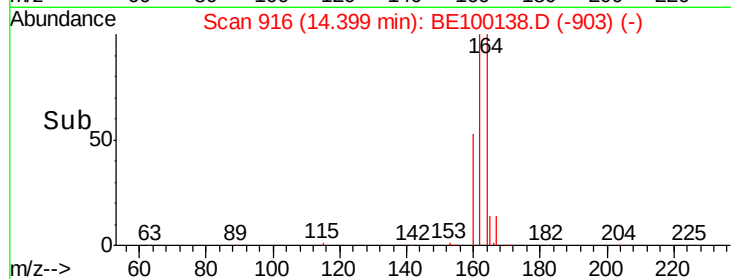
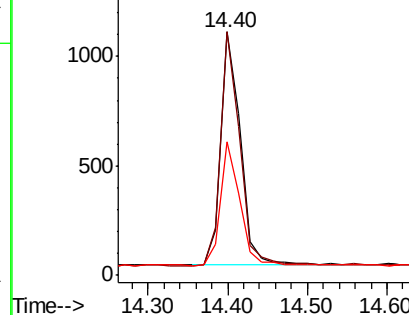


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.383 ng
 RT: 15.90 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BE100138.D
 Acq: 21 Jun 2019 16:15

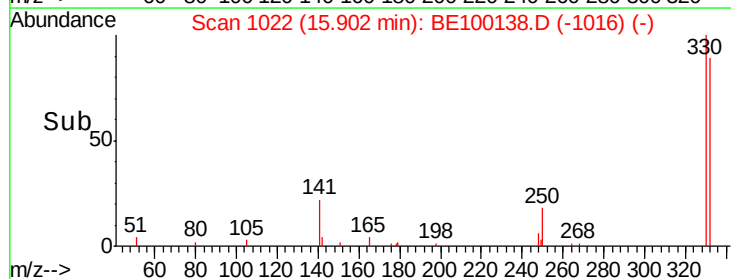
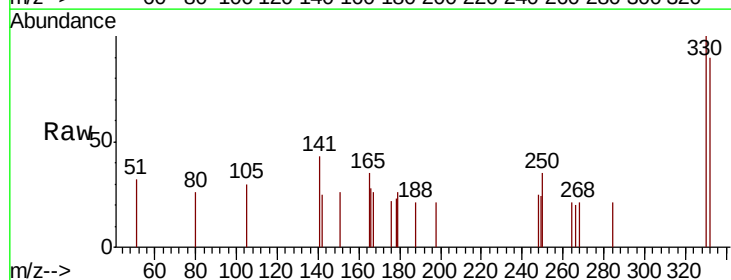
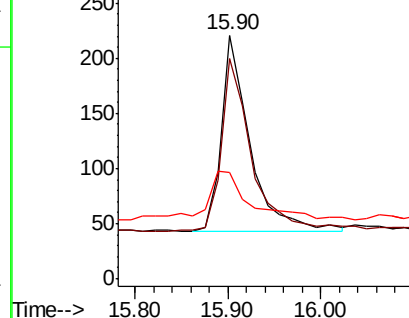
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	73.3	109.9
141	37.4	22.2	33.2#

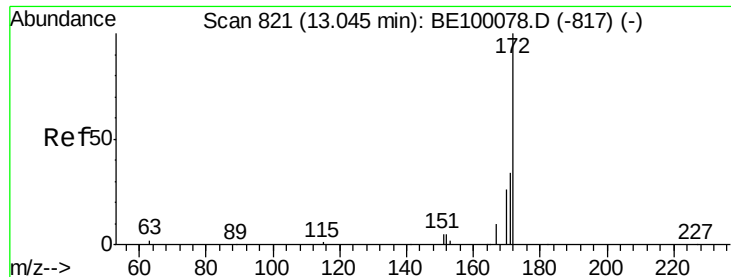
Abundance

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





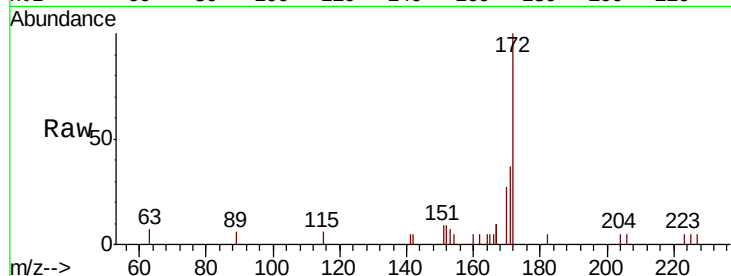
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.03 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.8
170	27.0	23.2	34.8

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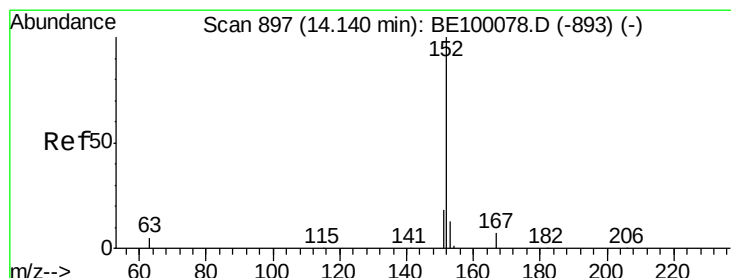
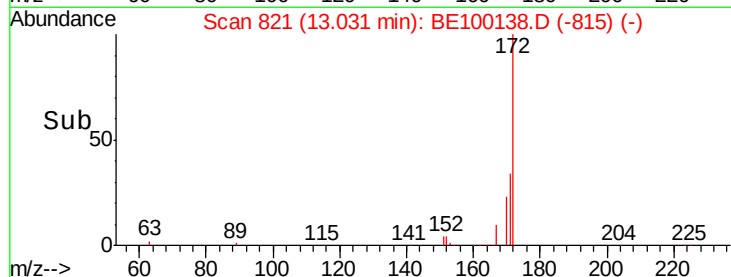
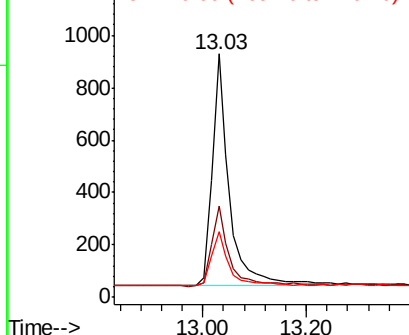


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.153 ng
RT: 14.13 min Scan# 897
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

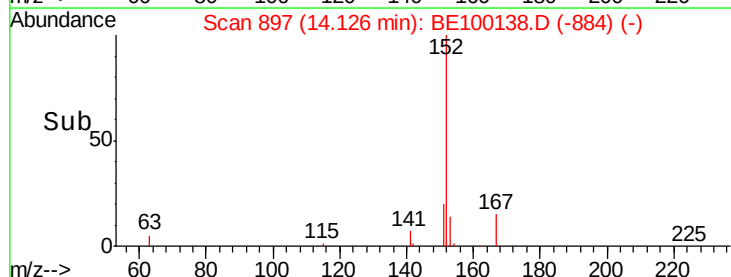
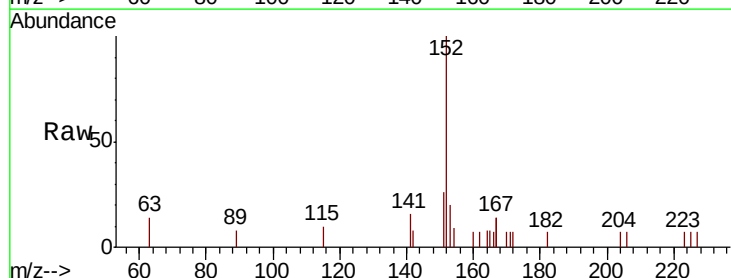
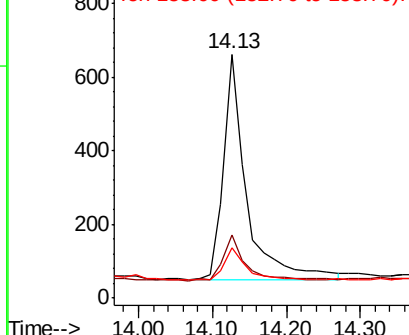
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	13.8	10.1	15.1

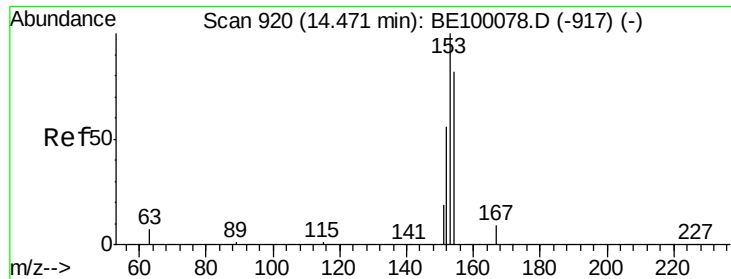
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





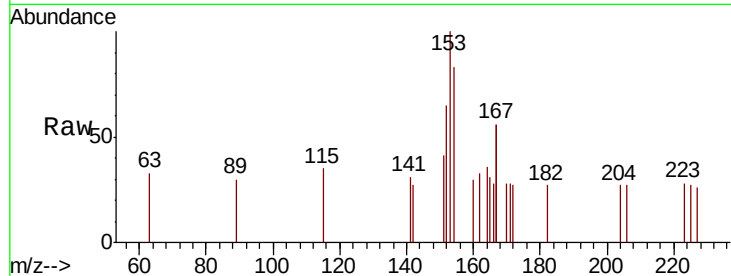
#17
Acenaphthene
Concen: 0.036 ng
RT: 14.47 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	133.3	95.5	143.3
152	69.6	54.9	82.3

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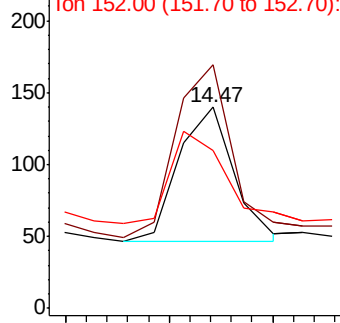


Abundance

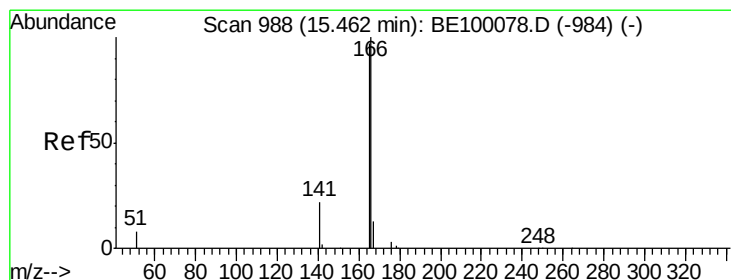
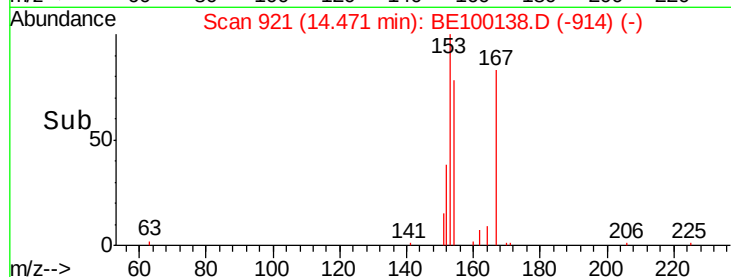
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

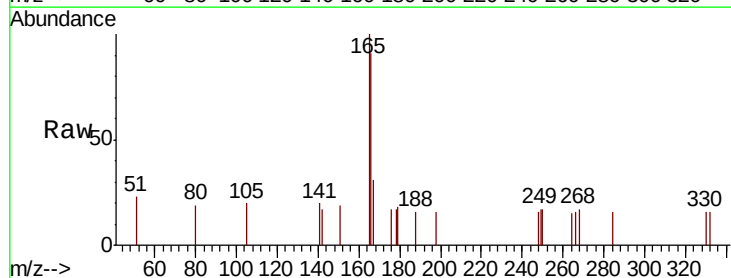


Time-->



#18
Fluorene
Concen: 0.065 ng
RT: 15.45 min Scan# 988
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.7	79.8	119.8
167	20.3	10.2	15.4#

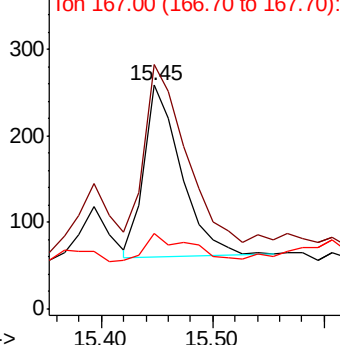


Abundance

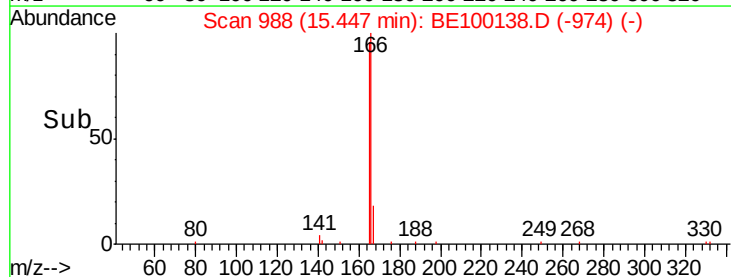
Ion 166.00 (165.70 to 166.70): E

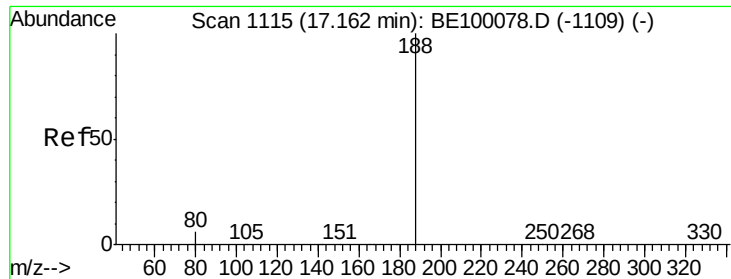
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





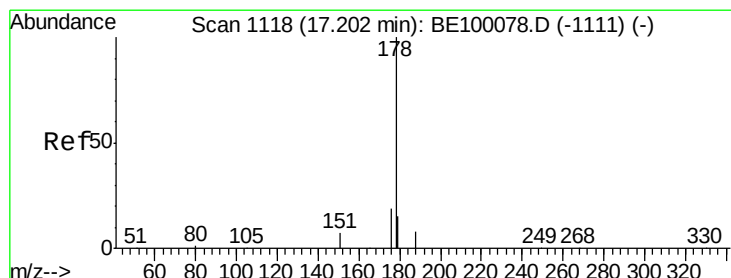
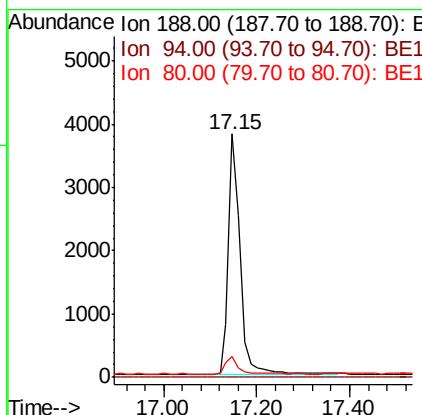
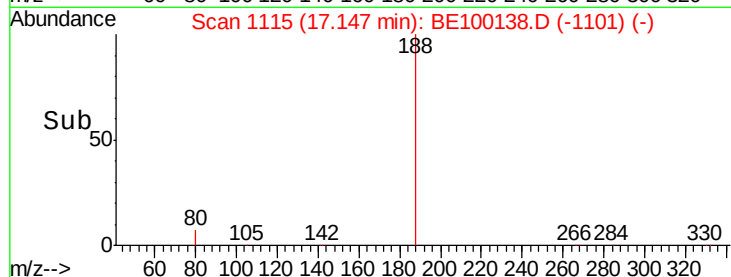
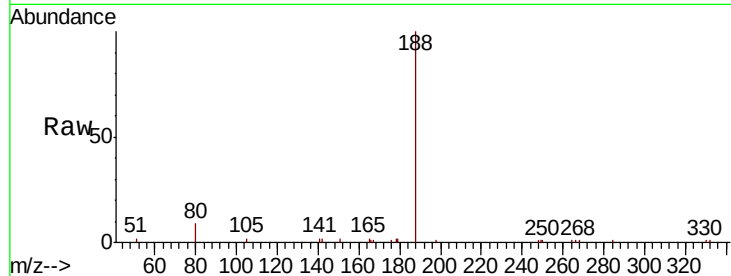
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion:188	Resp: 6632
Ion Ratio	Lower Upper
188 100	
94 0.0	0.0 0.0
80 8.5	6.3 9.5

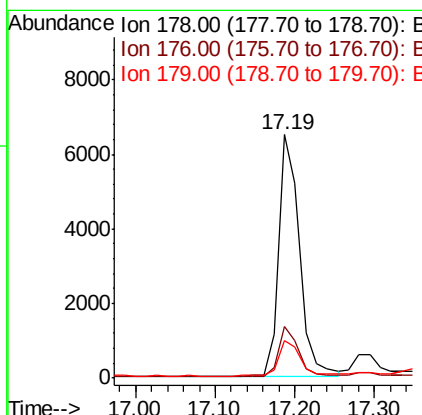
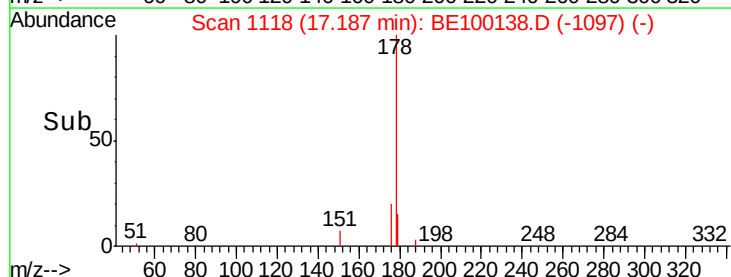
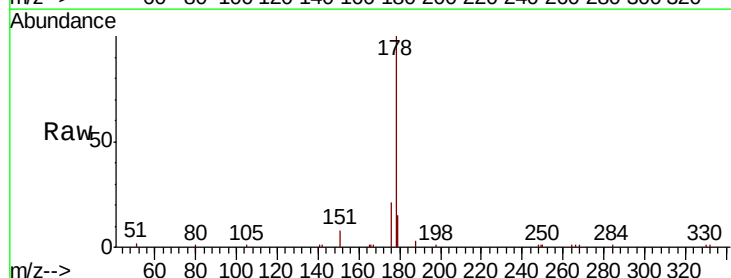
Manual Integrations
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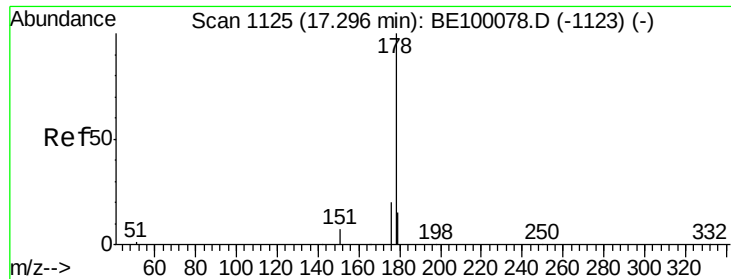
mohammad
6/25/2019 3:21:11 PM



#23
Phenanthrene
Concen: 0.739 ng
RT: 17.19 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion:178	Resp: 11749
Ion Ratio	Lower Upper
178 100	
176 19.6	15.9 23.9
179 15.2	13.1 19.7





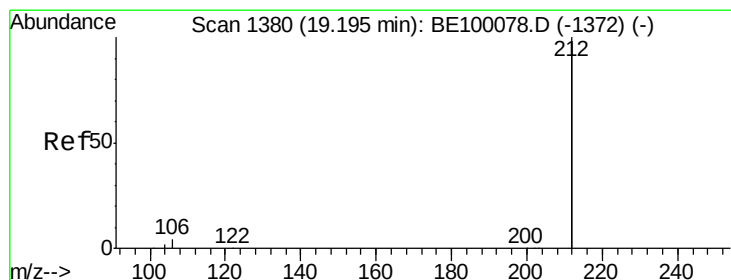
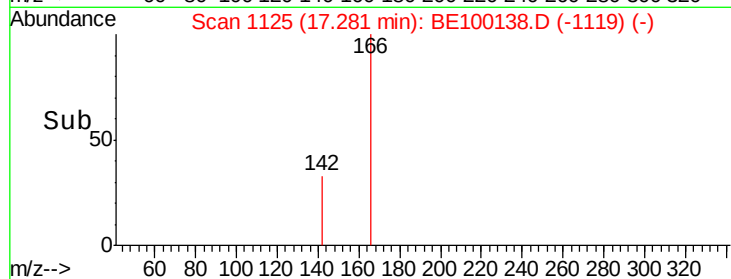
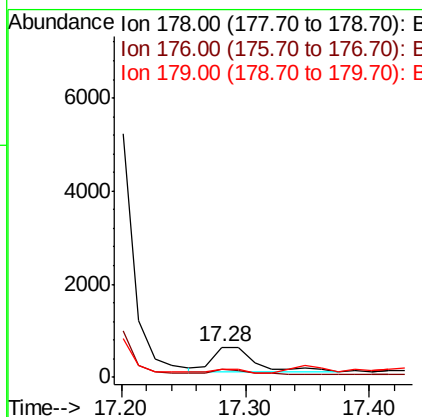
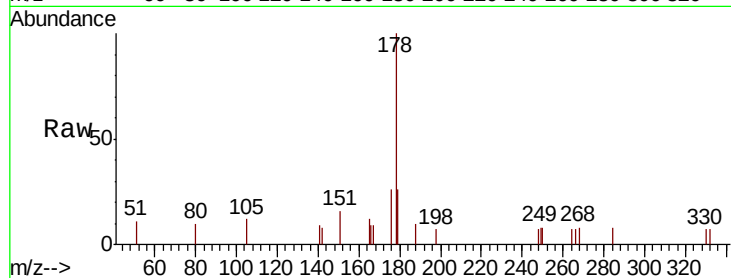
#24
 Anthracene
 Concen: 0.089 ng
 RT: 17.28 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BE100138.D
 Acq: 21 Jun 2019 16:15

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.6
179	10.4	12.0	18.0

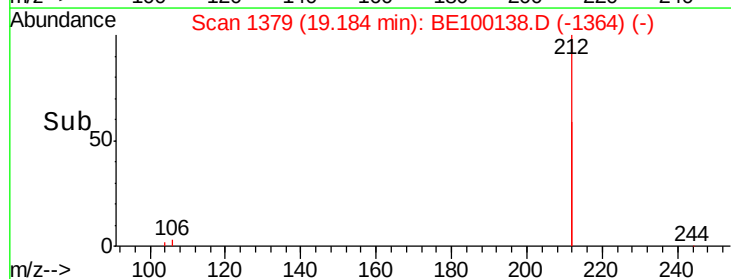
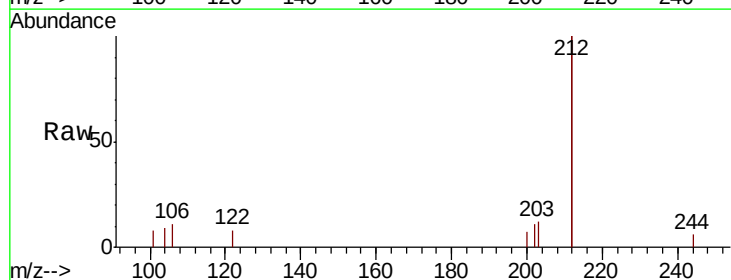
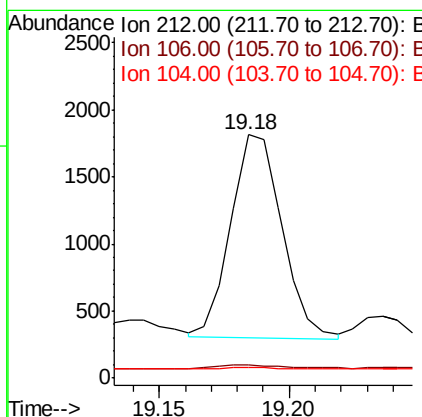
Manual Integrations
 APPROVED

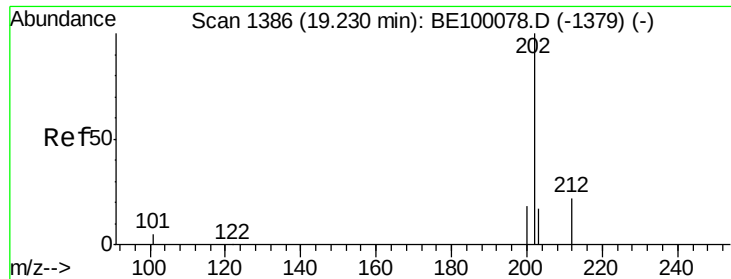
mohammad
 6/25/2019 3:21:11 PM



#25
 Fluoranthene-d10
 Concen: 0.022 ng
 RT: 19.18 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BE100138.D
 Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.4	2.0
104	1.2	0.8	1.2





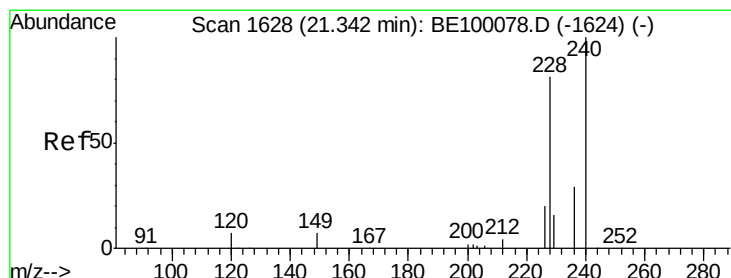
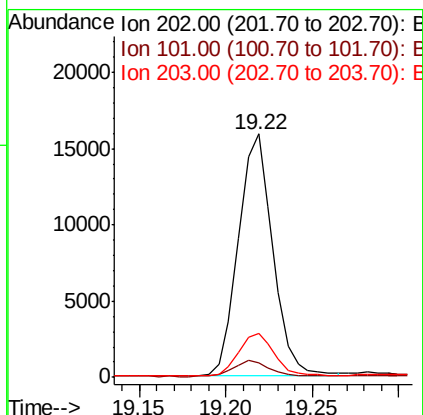
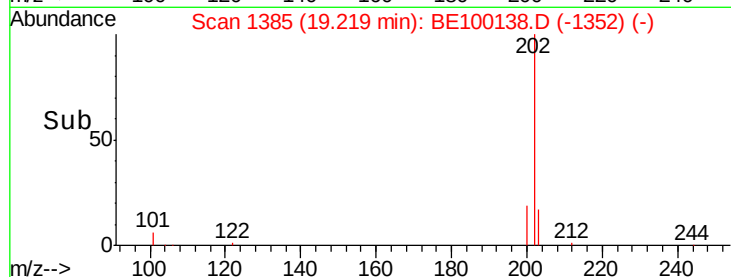
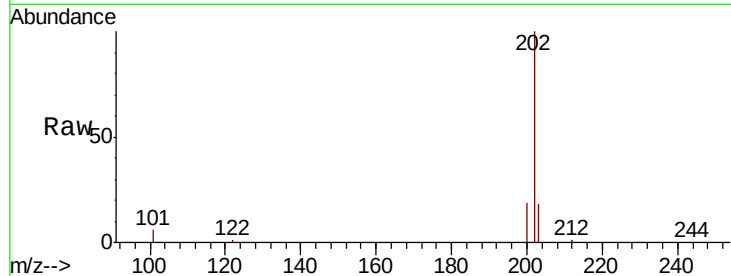
#26
Fluoranthene
Concen: 0.865 ng
RT: 19.22 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.0	7.4
203	18.0	13.7	20.5

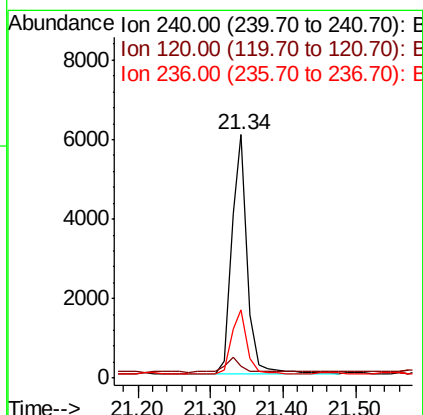
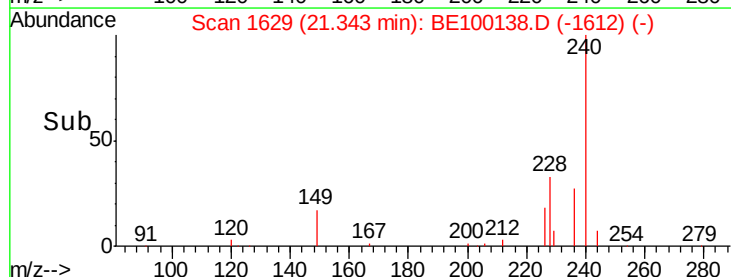
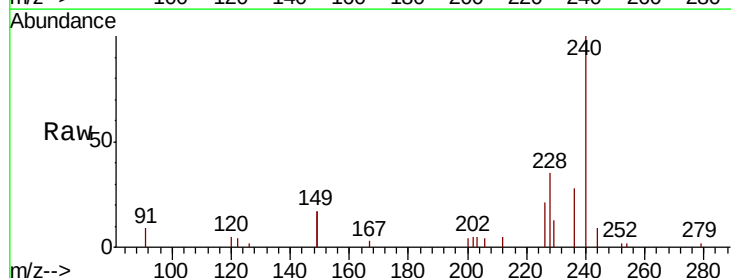
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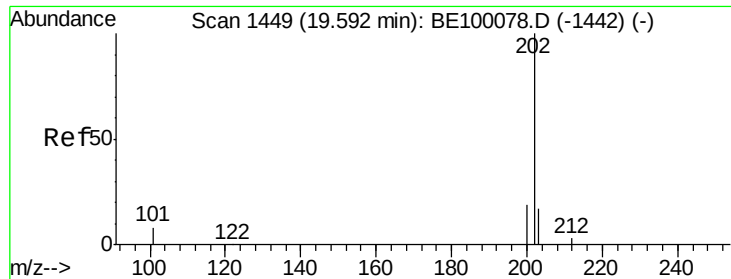
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.1	6.6	10.0#
236	28.2	23.8	35.6





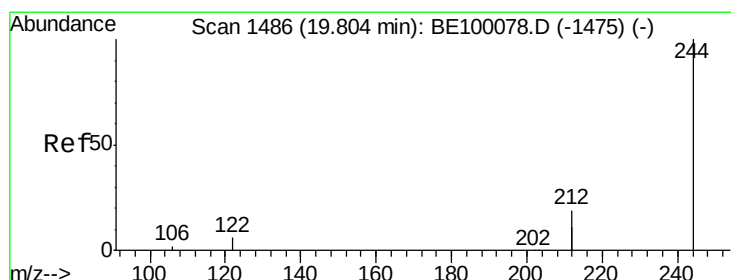
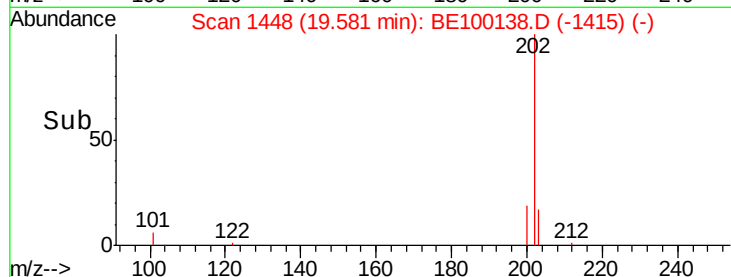
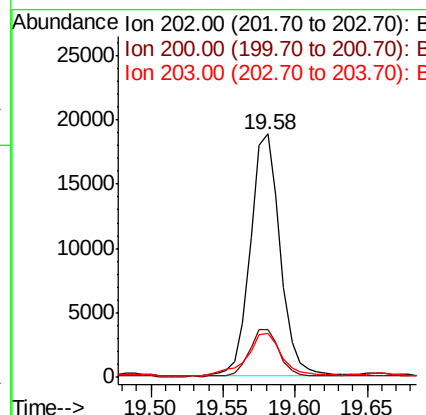
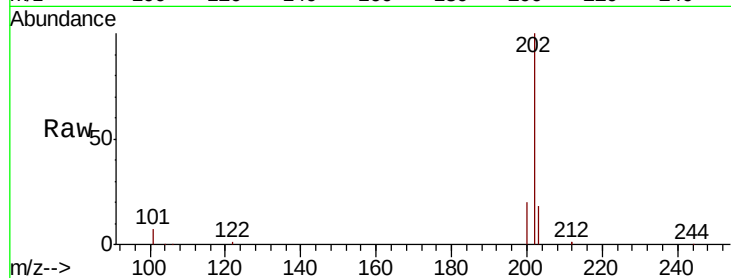
#28
Pvrene
Concen: 1.148 ng
RT: 19.58 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	27181		
200	19.6		15.6	23.4
203	20.1		13.9	20.9

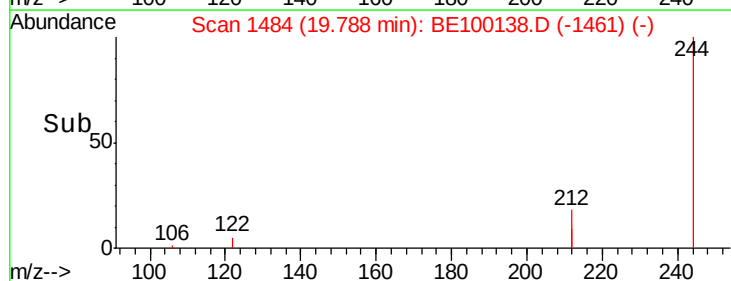
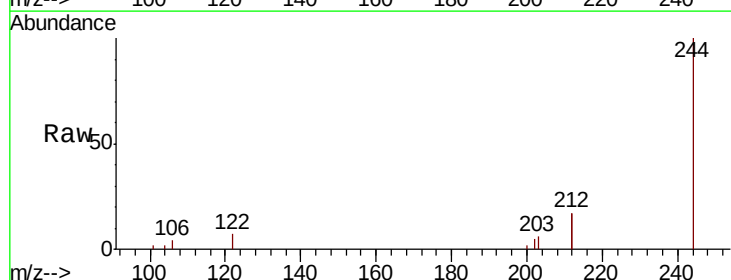
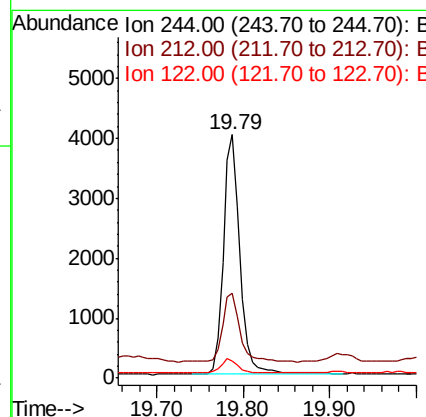
Manual Integrations
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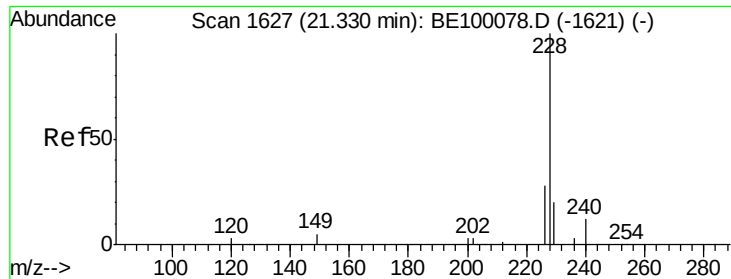
mohammad
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#29
Terphenyl-d14
Concen: 0.292 ng
RT: 19.79 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	5386		
212	34.8		29.8	44.8
122	7.1		6.1	9.1





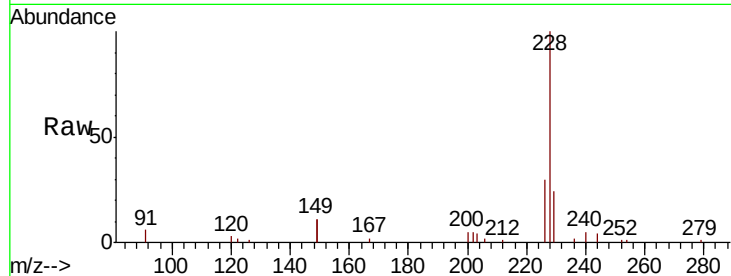
#30
Benzo(a)anthracene
Concen: 0.524 ng
RT: 21.32 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.0	34.4
229	23.5	16.4	24.6

Manual Integrations
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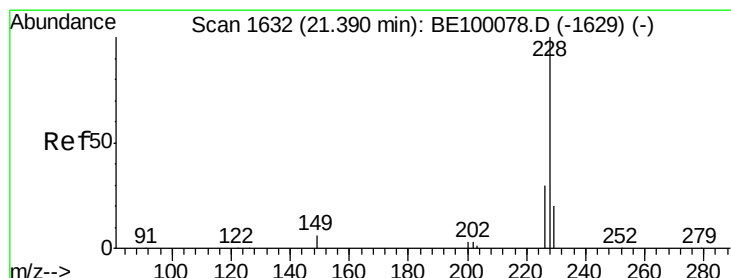
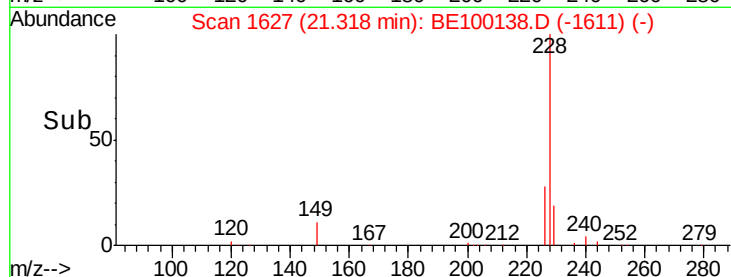
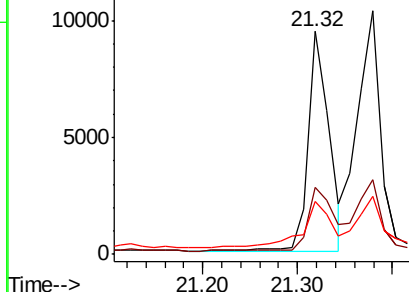


Abundance

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: 0.546 ng
RT: 21.38 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

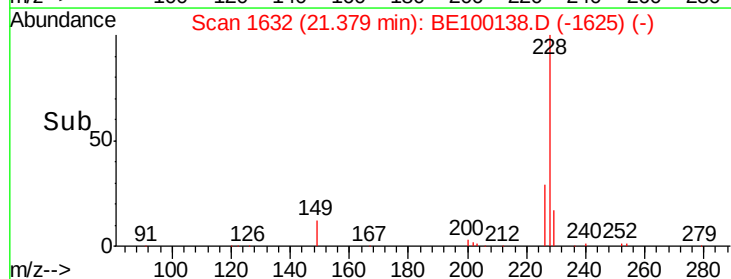
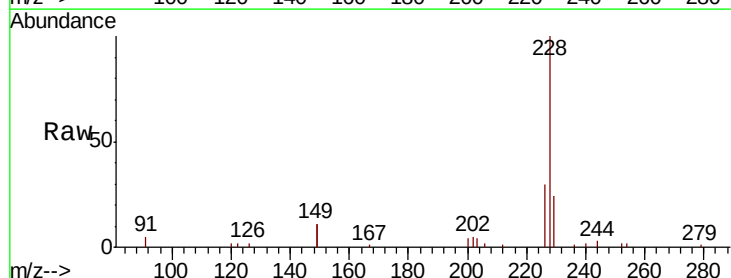
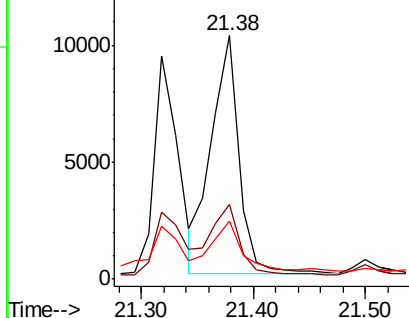
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	23.9	16.3	24.5

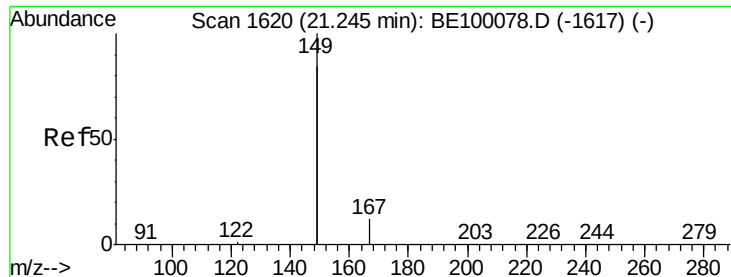
Abundance

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: 0.419 ng

RT: 21.25 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Instrument :

BNA_E

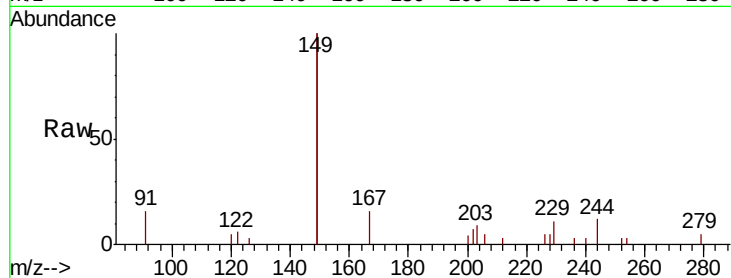
ClientSampleId :

PST-084-B042-061319

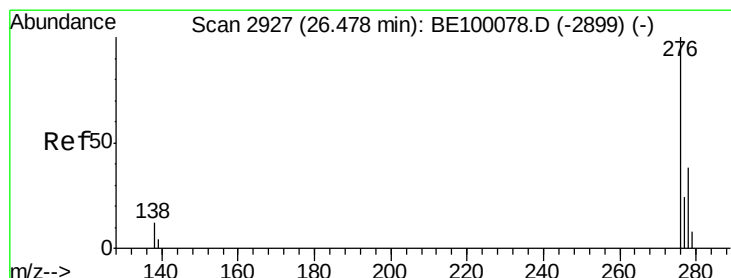
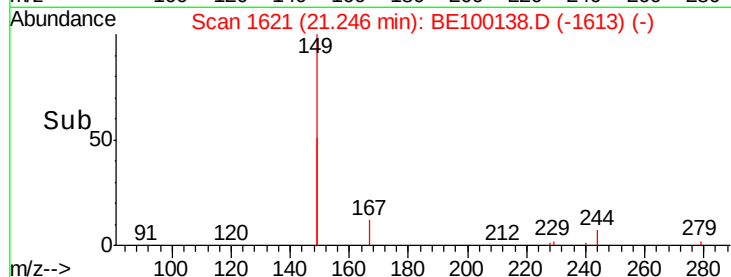
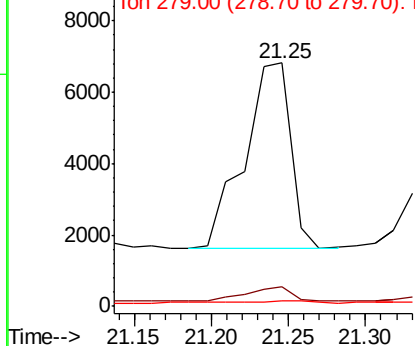
Tot Ion:	149	Resp:	10850
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.8	8.6
279	1.4	1.1	1.7

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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: 0.265 ng

RT: 26.47 min Scan# 2925

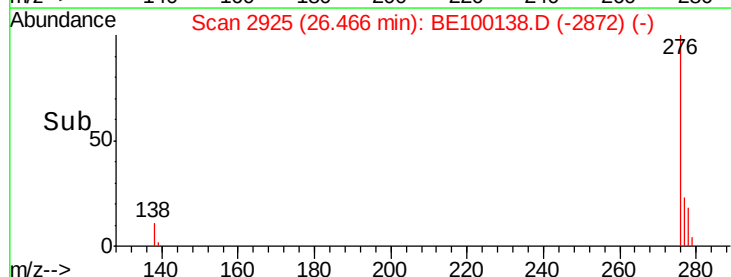
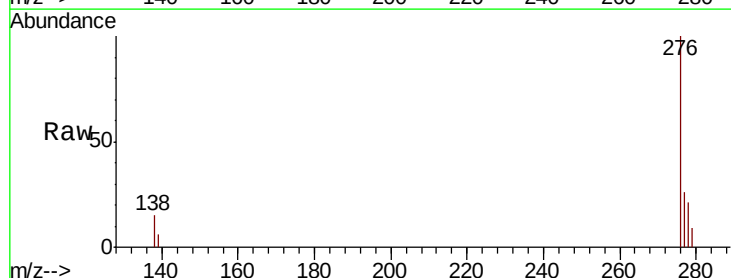
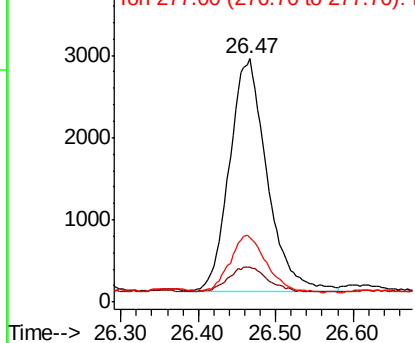
Delta R.T. -0.01 min

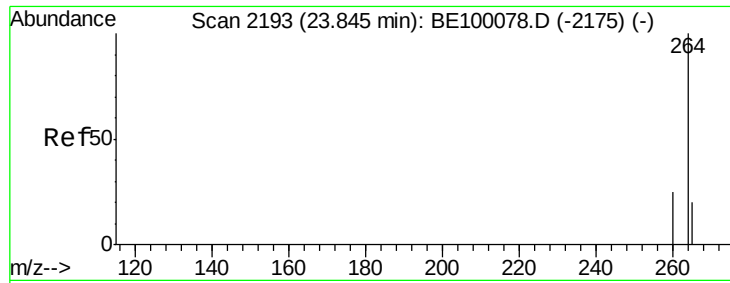
Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Tgt Ion:	276	Resp:	9483
Ion Ratio	Lower	Upper	
276	100		
138	10.9	4.3	6.5#
277	22.8	19.4	29.0

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





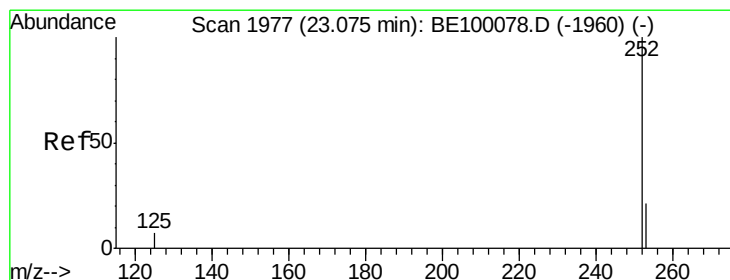
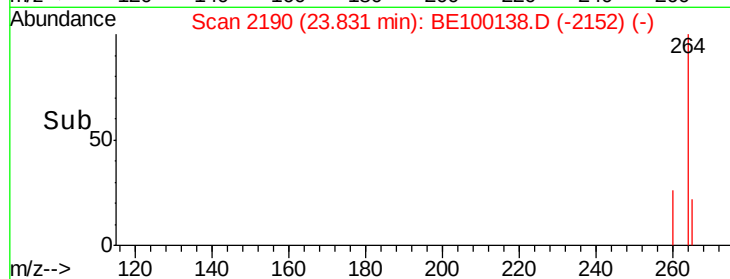
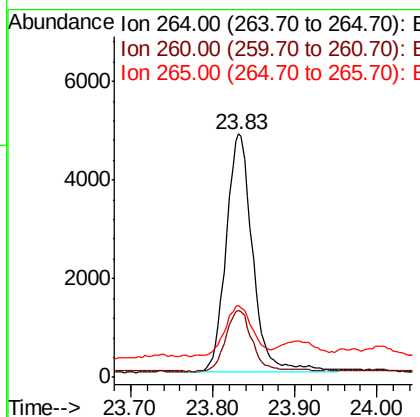
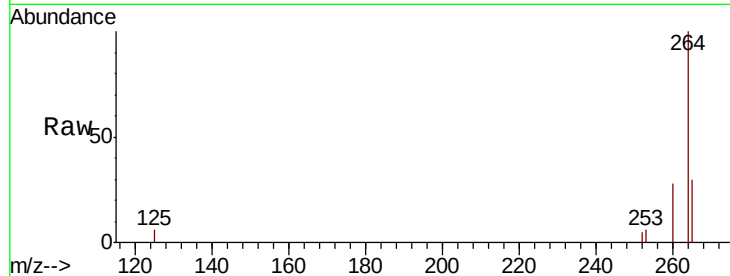
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.8	31.2
265	29.7	23.2	34.8

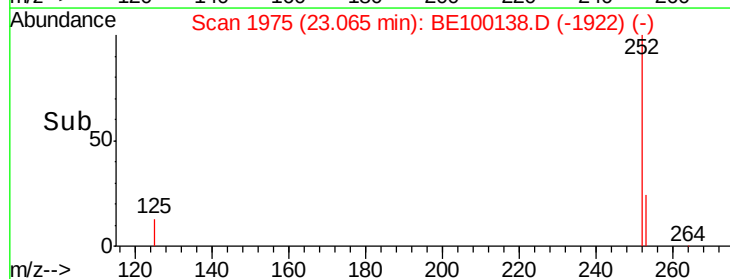
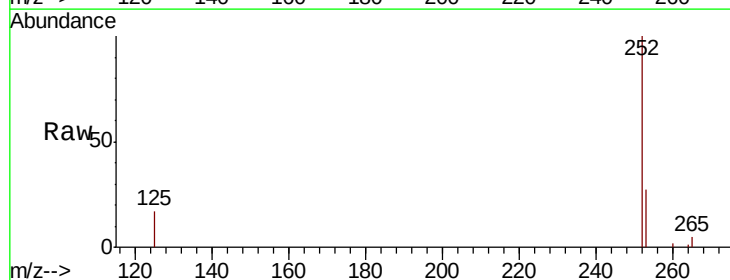
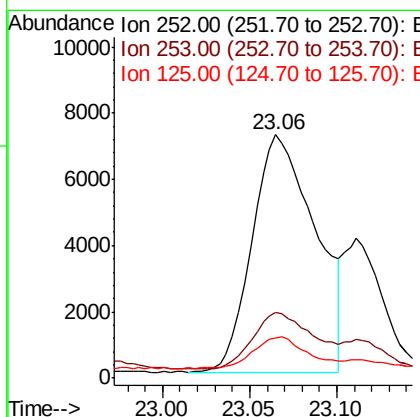
Manual Integrations
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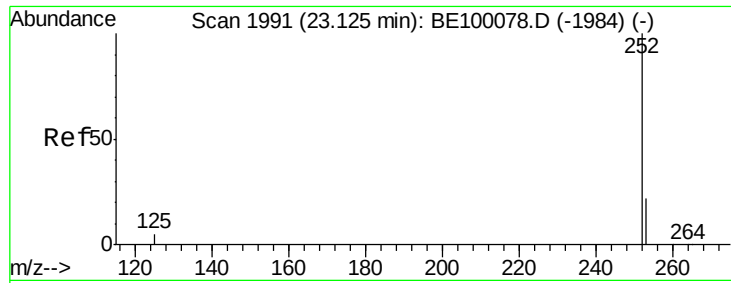
mohammad
6/25/2019 3:21:11 PM



#35
Benzo(b)fluoranthene
Concen: 0.568 ng
RT: 23.06 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.4	27.6
125	16.6	6.4	9.6





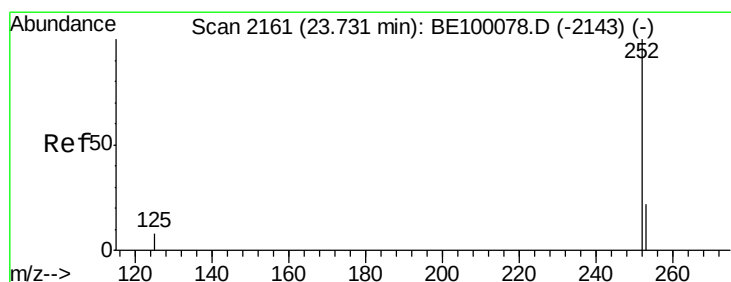
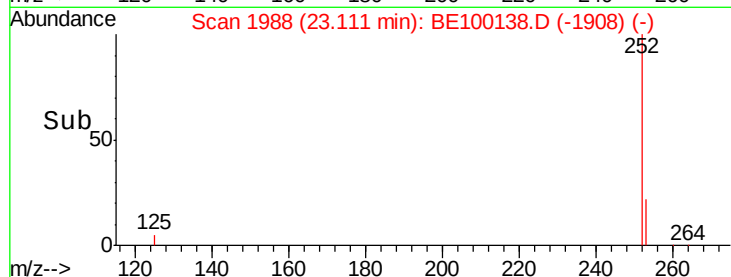
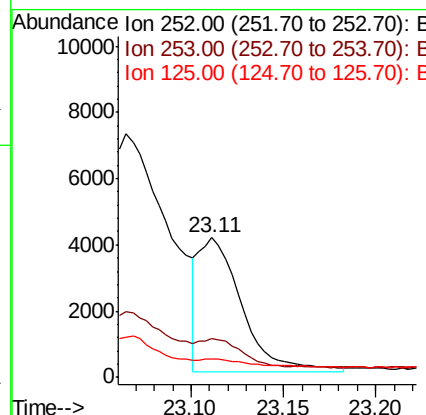
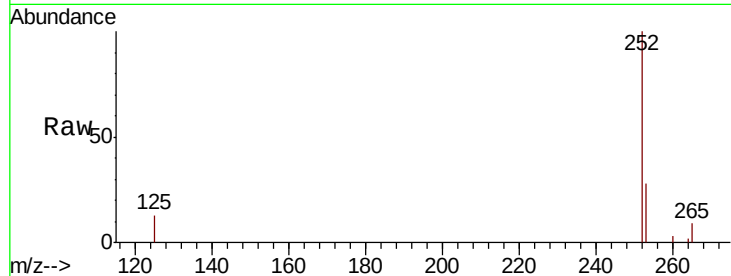
#36
Benzo(k)fluoranthene
Concen: 0.181 ng m
RT: 23.11 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.9	28.3
125	12.9	5.3	7.9

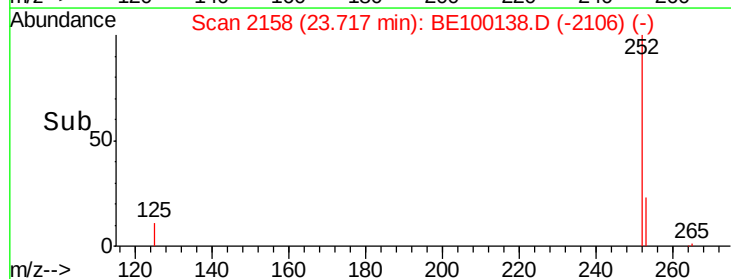
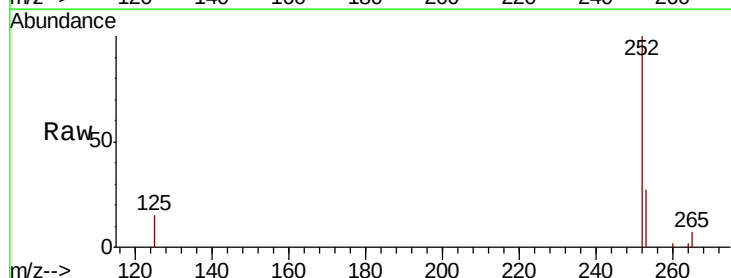
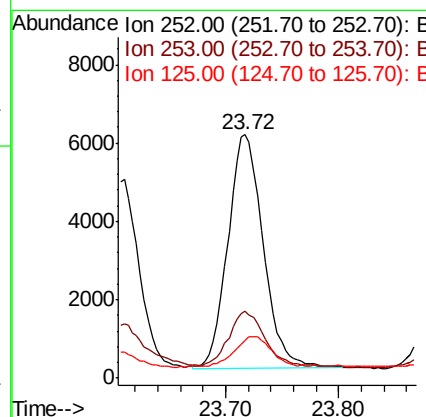
Manual Integrations
APPROVED

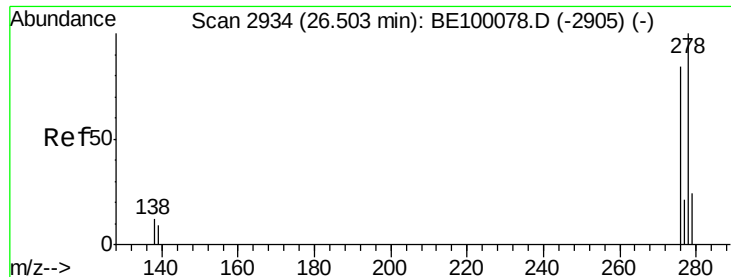
mohammad
6/25/2019 3:21:11 PM



#37
Benzo(a)pyrene
Concen: 0.423 ng
RT: 23.72 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BE100138.D
Acq: 21 Jun 2019 16:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.4	29.2
125	15.5	8.0	12.0





#38

Dibenzo(a,h)anthracene

Concen: 0.073 ng

RT: 26.48 min Scan# 2928

Delta R.T. -0.03 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Instrument :

BNA_E

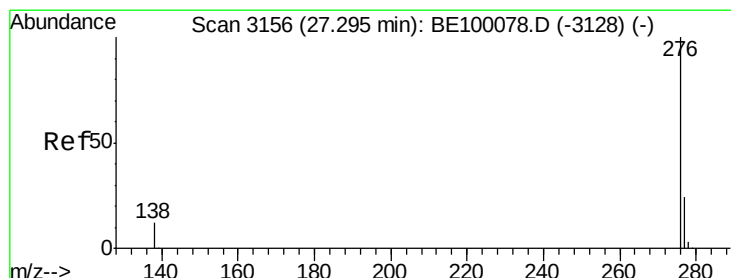
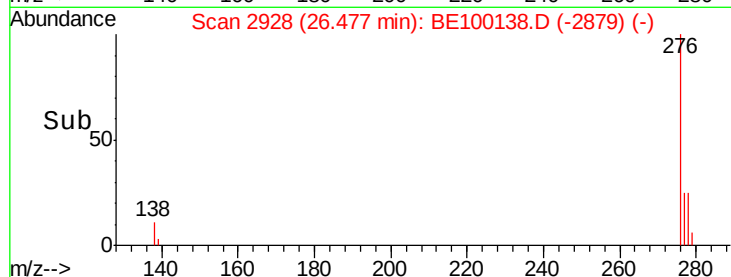
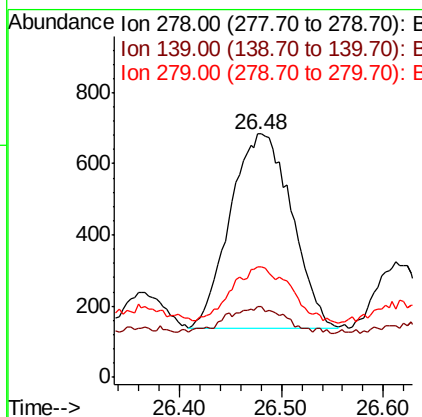
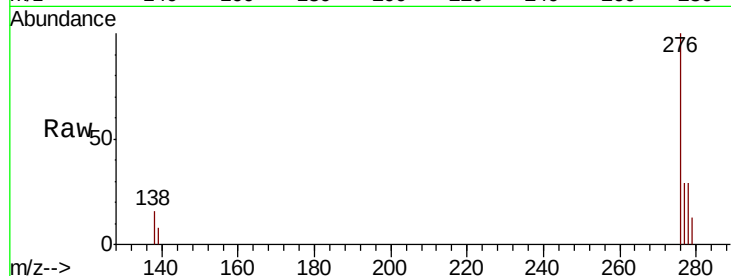
ClientSampleId :

PST-084-B042-061319

Tot Ion:	278	Resp:	2295
Ion Ratio	Lower	Upper	
278	100		
139	28.8	9.0	13.6#
279	45.2	21.4	32.0#

Manual Integrations
APPROVED

mohammad
6/25/2019 3:21:11 PM



#39

Benzo(g,h,i)perylene

Concen: 0.317 ng

RT: 27.28 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BE100138.D

Acq: 21 Jun 2019 16:15

Tgt Ion:	276	Resp:	10354
Ion Ratio	Lower	Upper	
276	100		
277	26.6	20.3	30.5
138	13.9	11.3	16.9

