

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100249.D
 Acq On : 28 Jun 2019 23:50
 Operator : JU/SJ
 Sample : K3445-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW050-061819

Manual Integrations
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 7/1/2019 3:07:23 PM

Quant Time: Jun 29 01:06:18 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 00:22:29 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	692	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2480	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1878	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5948	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8894	0.40	ng	0.00
34) Perylene-d12	23.67	264	10677	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	598	0.34	ng	0.00
5) Phenol-d6	6.83	99	774	0.33	ng	-0.01
8) Nitrobenzene-d5	8.81	82	744	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1289	0.28	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	444	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2411	0.33	ng	0.00
25) Fluoranthene-d10	19.10	212	24967	0.29	ng	0.00
29) Terphenyl-d14	19.70	244	7053	0.38	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	8249	0.302	ng	100
12) 2-Methylnaphthalene	12.12	142	723	0.151	ng	98
16) Acenaphthylene	14.04	152	10968	1.217	ng	99
17) Acenaphthene	14.39	154	2167	0.424	ng	99
18) Fluorene	15.35	166	5270	0.698	ng	94
23) Phenanthrene	17.09	178	167879	11.645	ng	100
24) Anthracene	17.19	178	22866	1.761	ng	# 88
26) Fluoranthene	19.13	202	421972	18.377	ng	99
28) Pyrene	19.49	202	395978	16.816	ng	# 95
30) Benzo(a)anthracene	21.23	228	265232	9.070	ng	98
31) Chrysene	21.28	228	217722	7.414	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	11295	0.216	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.23	276	147020	3.785	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	276560	9.554	ng	# 95
36) Benzo(k)fluoranthene	22.97	252	112503m	3.482	ng	
37) Benzo(a)pyrene	23.56	252	215605	7.431	ng	# 94
38) Dibenzo(a,h)anthracene	26.23	278	36409	1.202	ng	93
39) Benzo(a,h,i)perylene	27.02	276	141330	4.540	ng	98

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

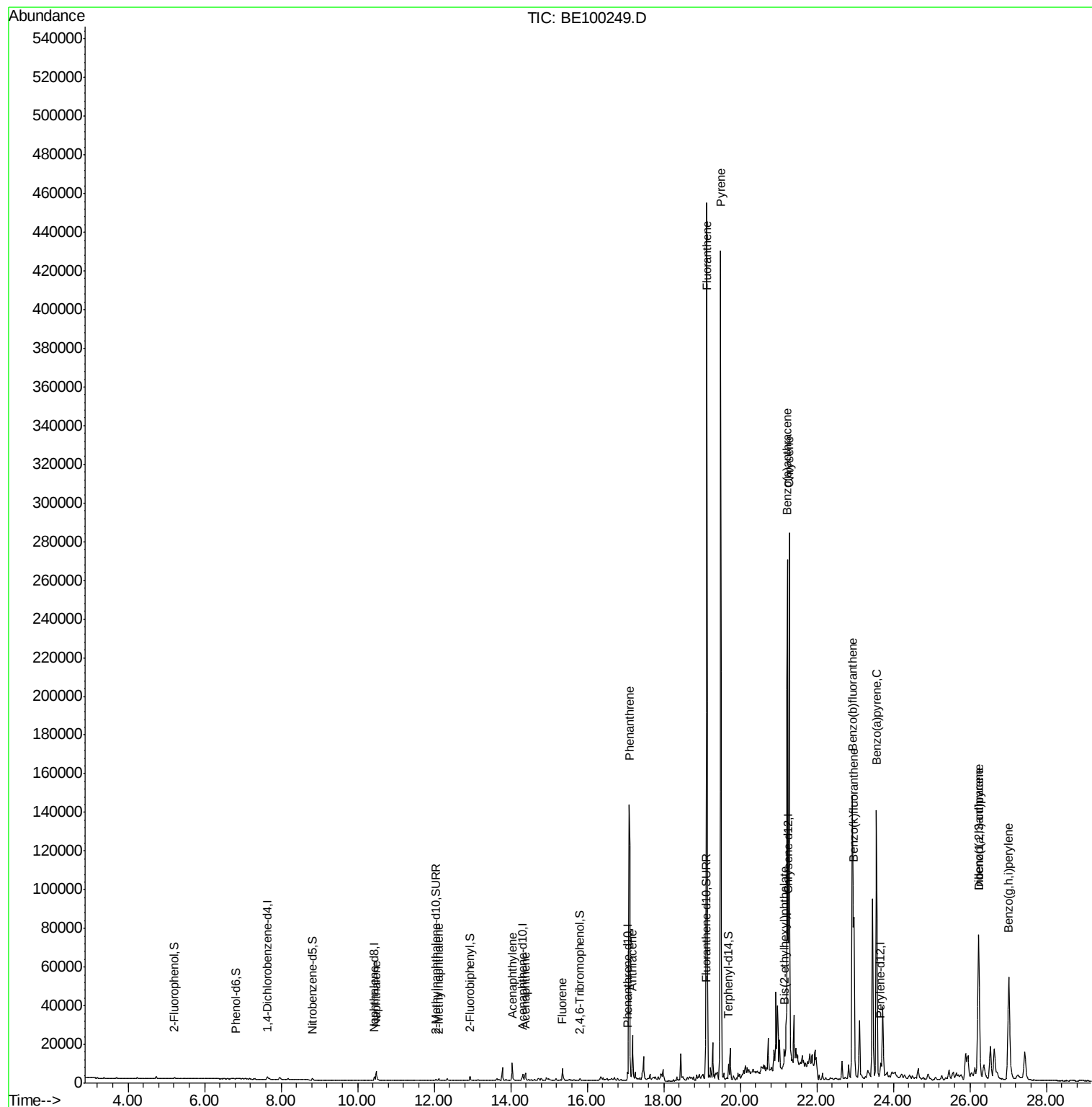
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100249.D
Acq On : 28 Jun 2019 23:50
Operator : JU/SJ
Sample : K3445-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

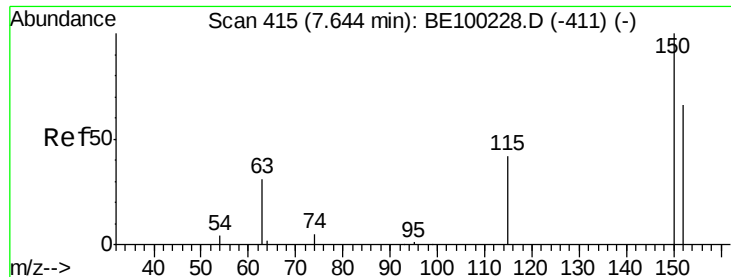
Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

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Quant Time: Jun 29 01:06:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 00:22:29 2019
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#1

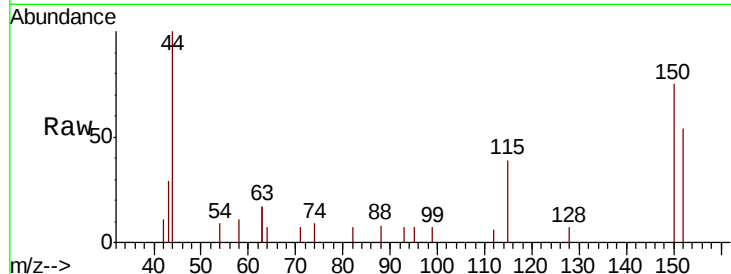
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.9	114.5	171.7
115	70.9	57.1	85.7

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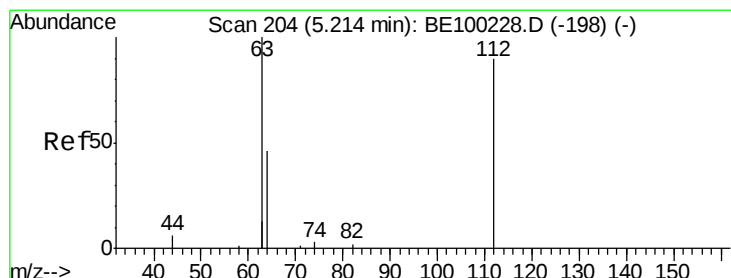
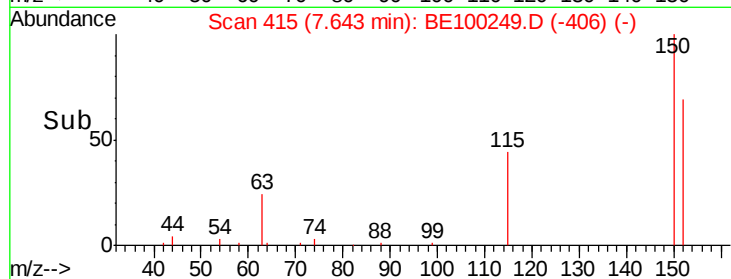
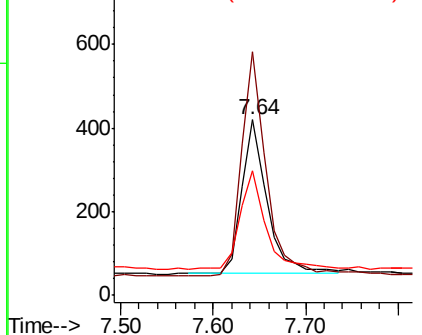


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

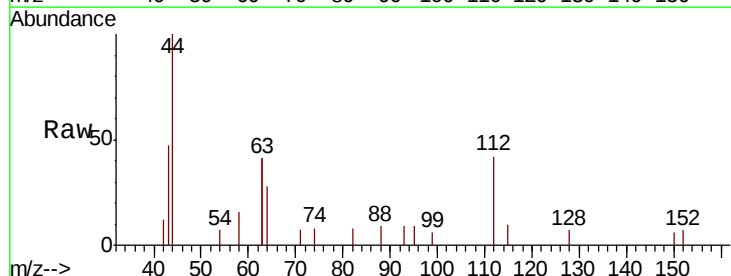
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.339 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.4	59.0
63	134.8	104.5	156.7

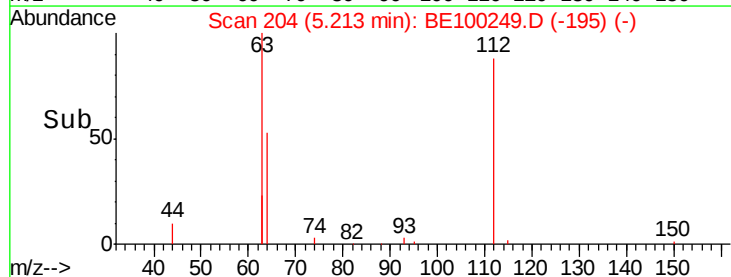
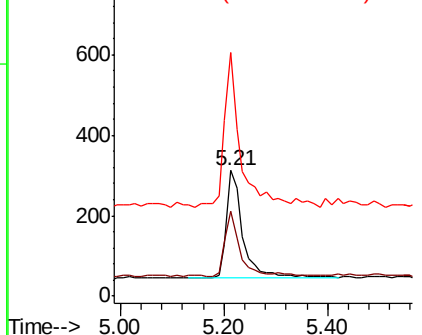


Abundance

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: 0.333 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Instrument :

BNA_E

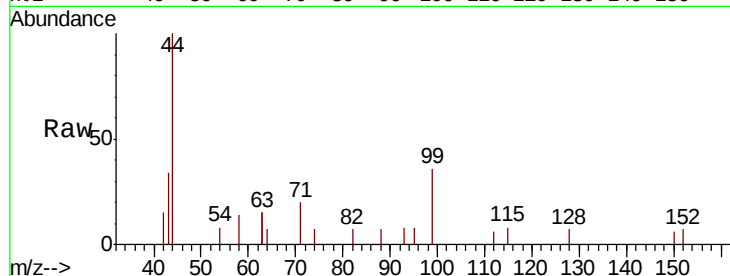
ClientSampleId :

PST-007-SW050-061819

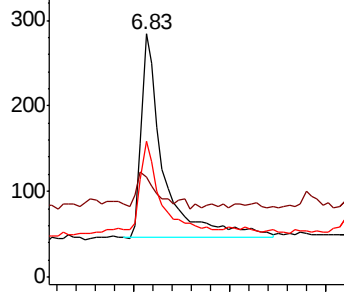
Tot Ion:	99	Resp:	774
Ion	Ratio	Lower	Upper
99	100		
42	16.3	11.2	16.8
71	36.3	37.2	55.8#

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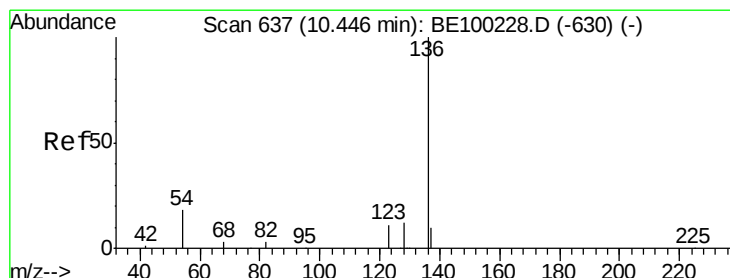
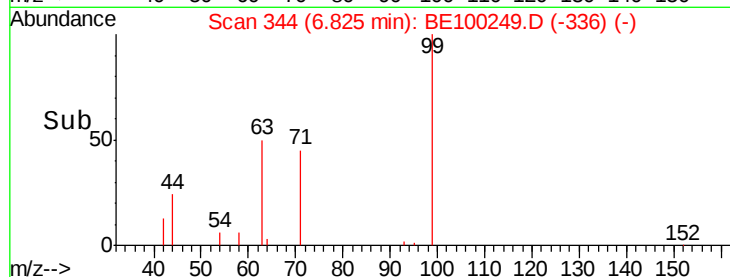
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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

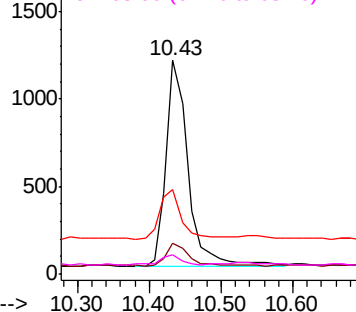
Delta R.T. -0.01 min

Lab File: BE100249.D

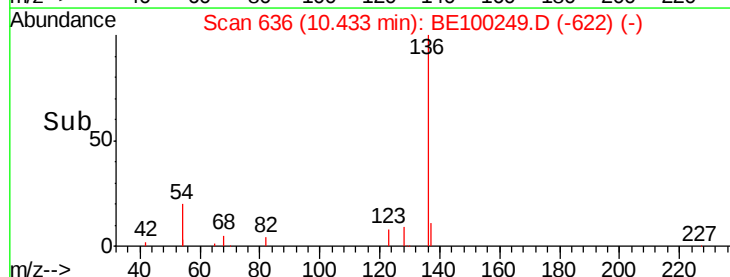
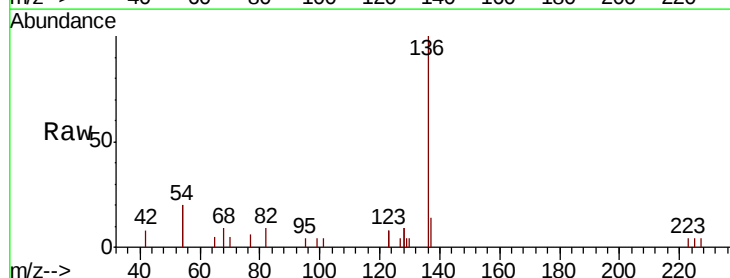
Acq: 28 Jun 2019 23:50

Tgt Ion:	136	Resp:	2480
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	39.3	27.7	41.5
68	8.9	6.8	10.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.302 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Instrument :

BNA_E

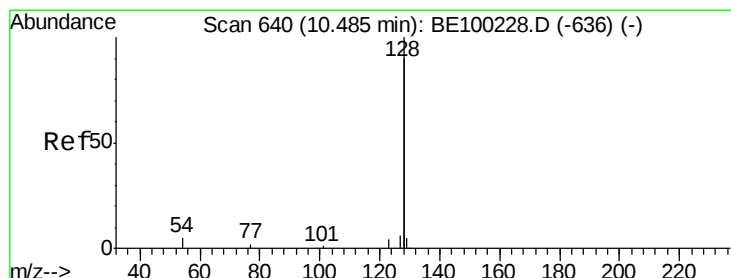
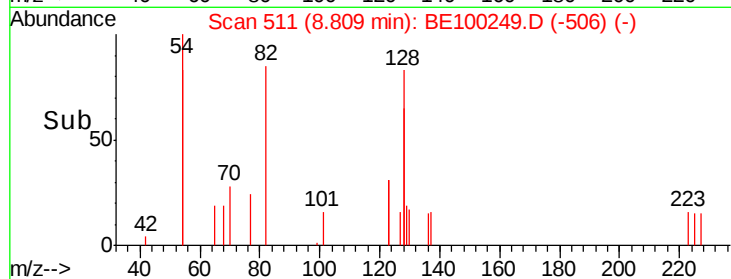
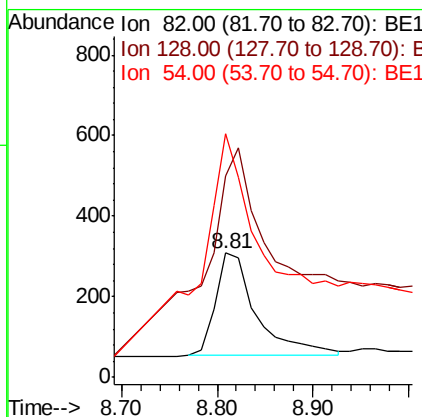
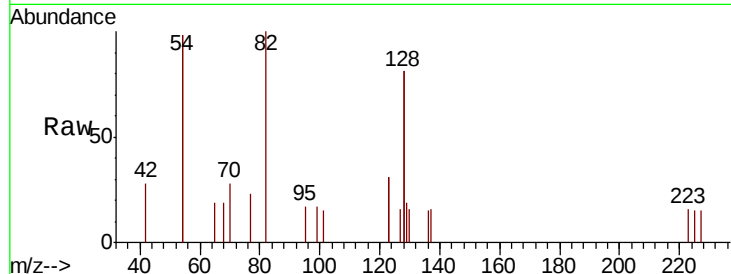
ClientSampleId :

PST-007-SW050-061819

Tot Ion:	82	Resp:	744
Ion	Ratio	Lower	Upper
82	100		
128	162.3	140.9	211.3
54	196.1	146.2	219.2

Manual Integrations
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#9

Naphthalene

Concen: 0.302 ng

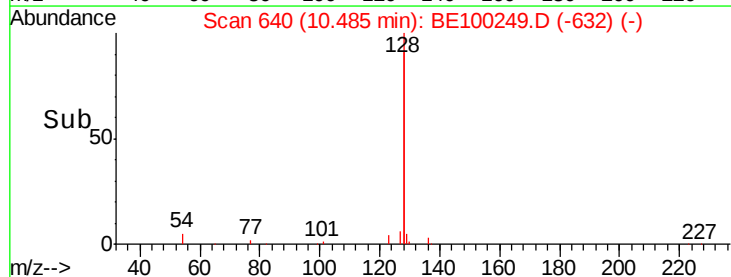
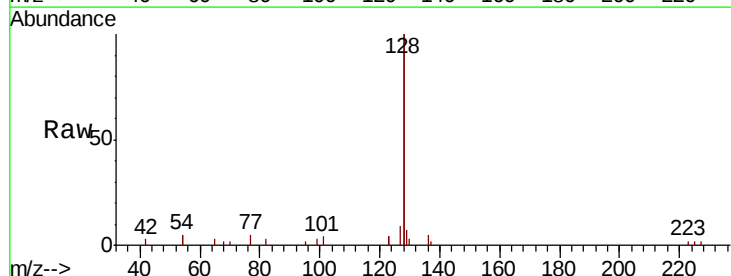
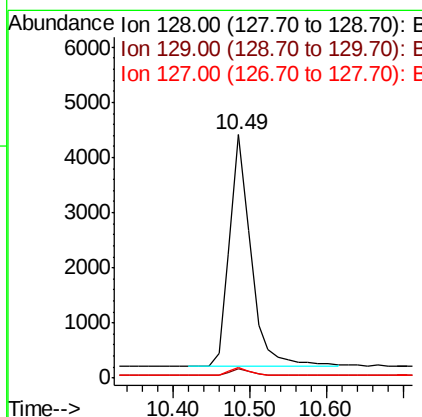
RT: 10.49 min Scan# 640

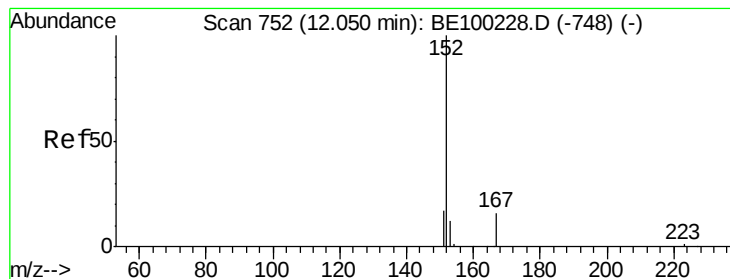
Delta R.T. 0.00 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Tgt Ion:	128	Resp:	8249
Ion	Ratio	Lower	Upper
128	100		
129	3.7	3.0	4.6
127	4.3	3.5	5.3





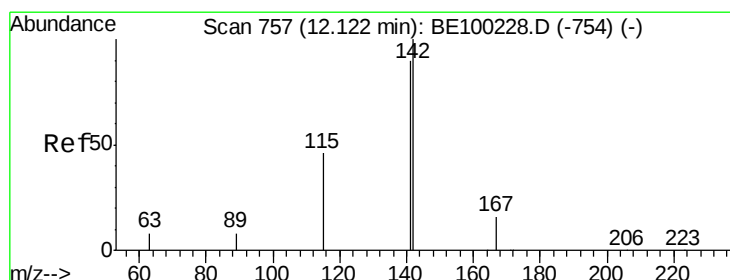
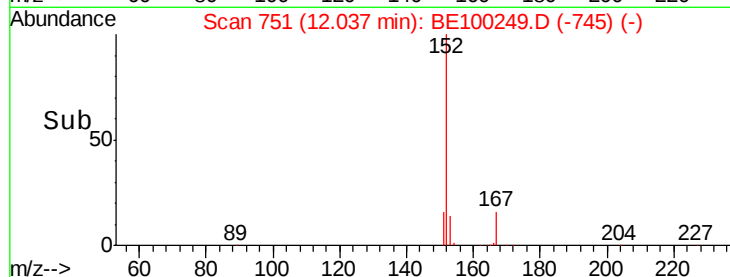
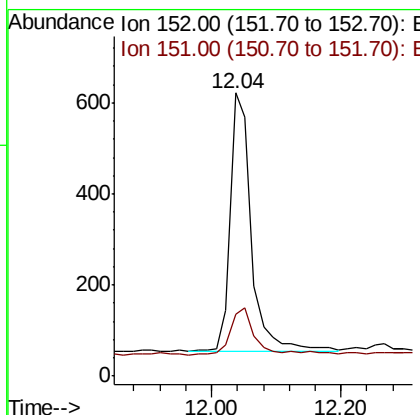
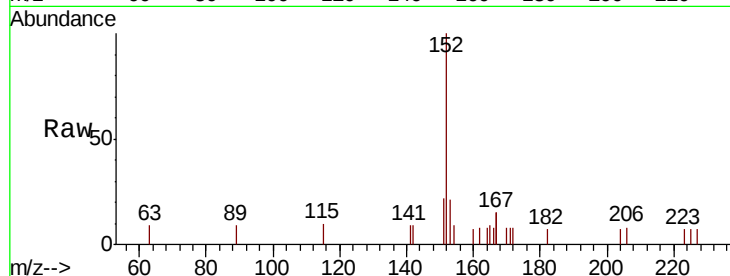
#11
2-Methylnaphthalene-d10
Concen: 0.276 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7

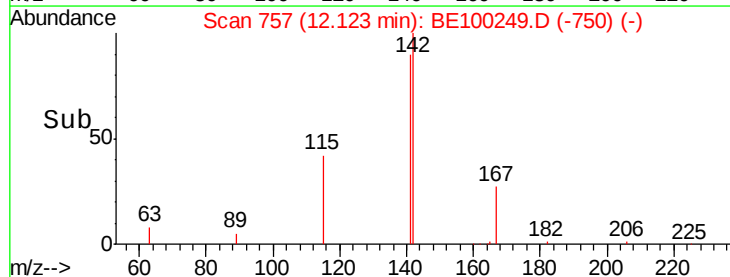
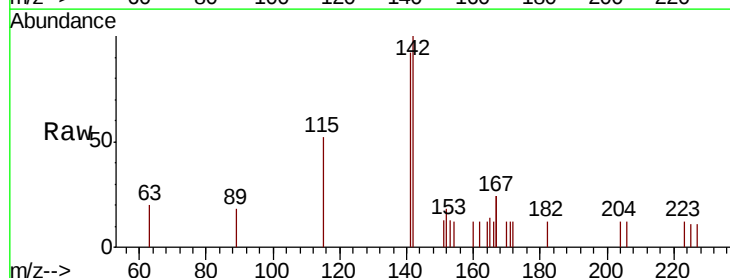
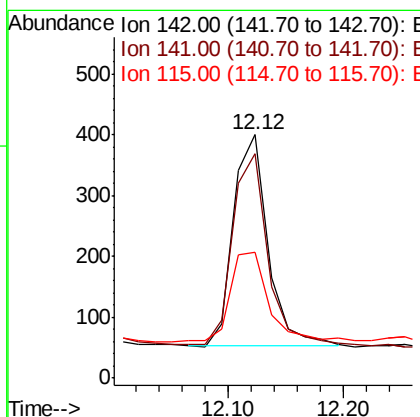
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#12
2-Methylnaphthalene
Concen: 0.151 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.4	108.6
115	51.5	40.4	60.6





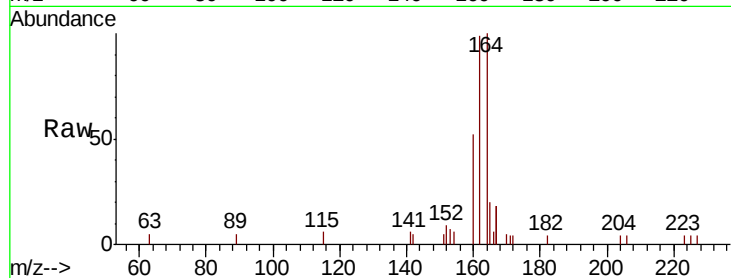
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	83.4	125.0
160	52.2	45.0	67.6

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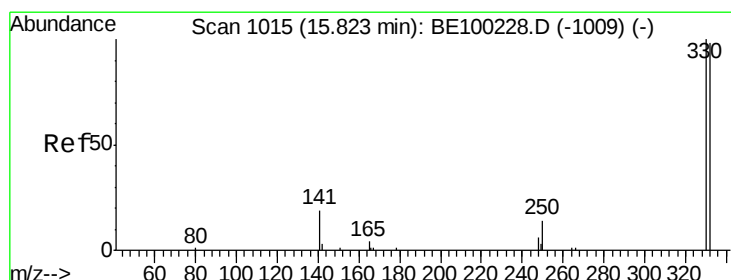
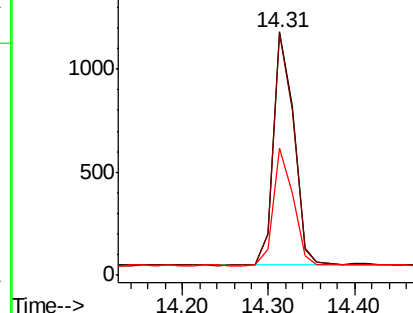
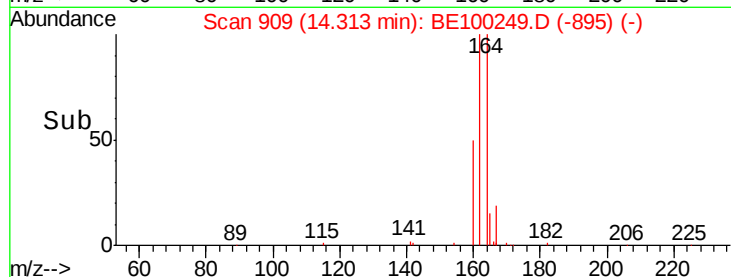


Abundance

Ion 164.00 (163.70 to 164.70): E

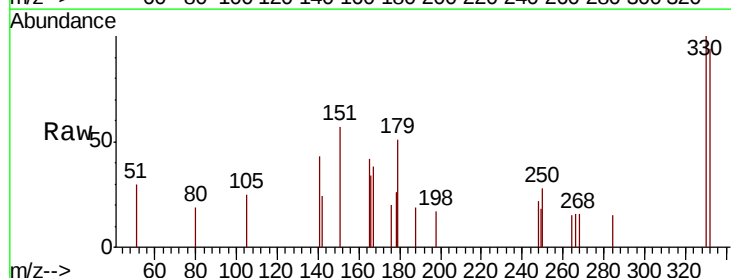
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	50.2	22.0	33.0#

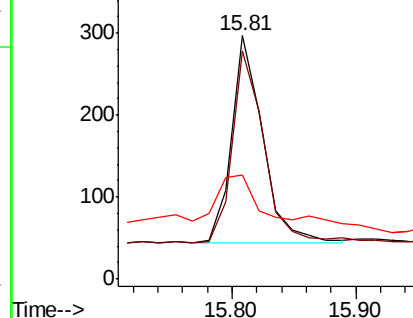
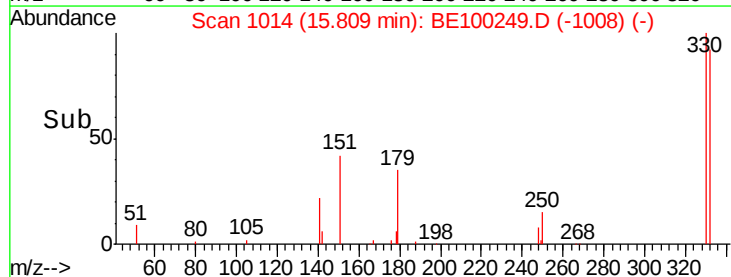


Abundance

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





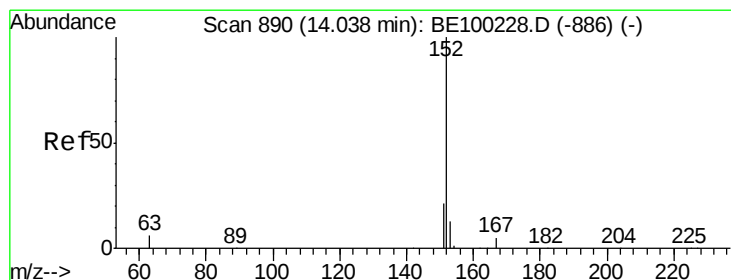
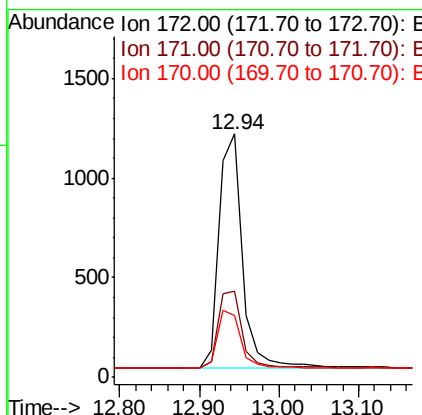
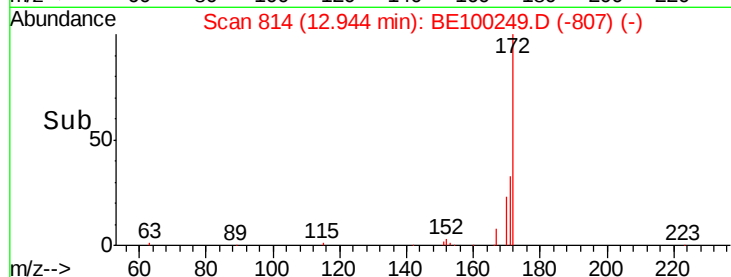
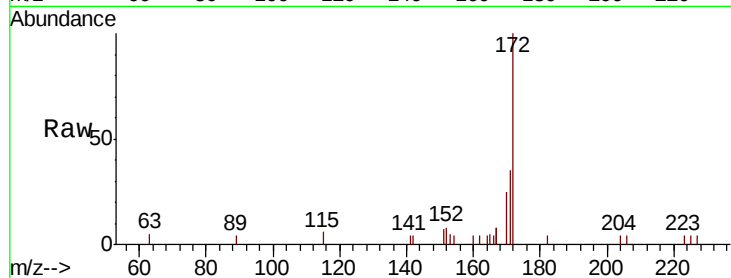
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	31.9	47.9
170	25.4	22.2	33.2

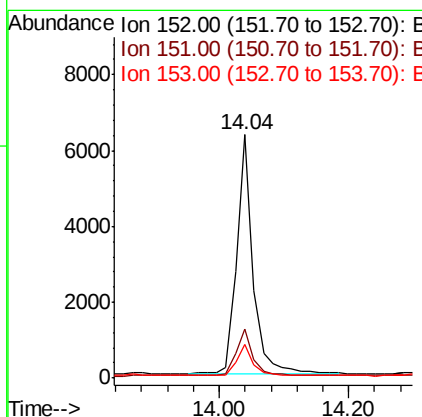
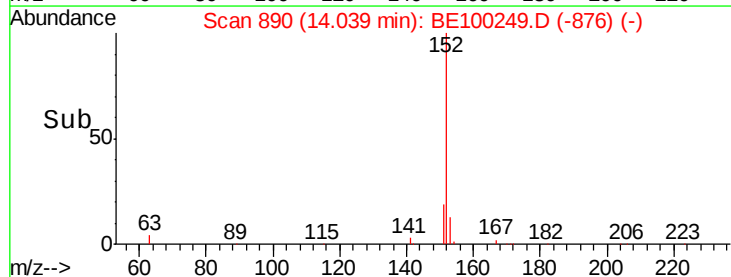
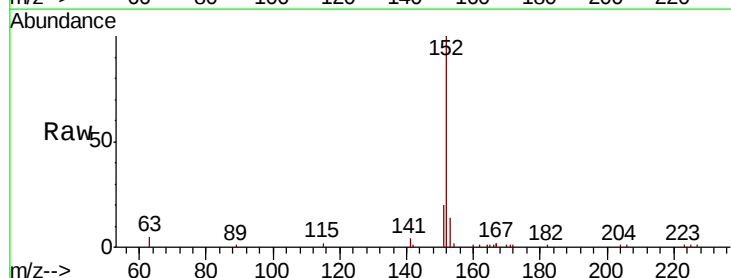
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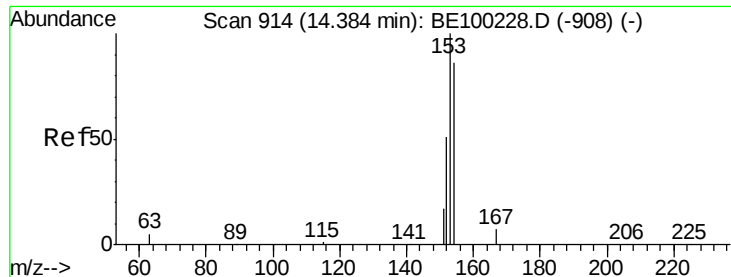
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#16
Acenaphthylene
Concen: 1.217 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.2	10.5	15.7





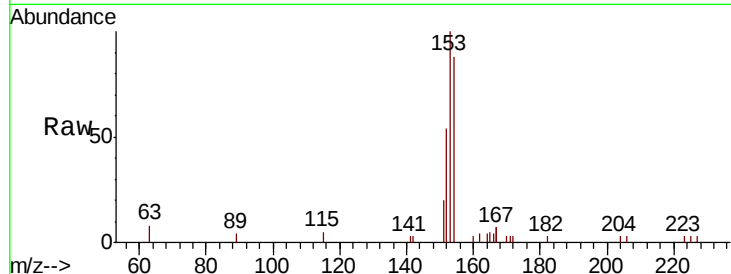
#17
Acenaphthene
Concen: 0.424 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.4	140.2
152	62.3	49.4	74.2

Manual Integrations
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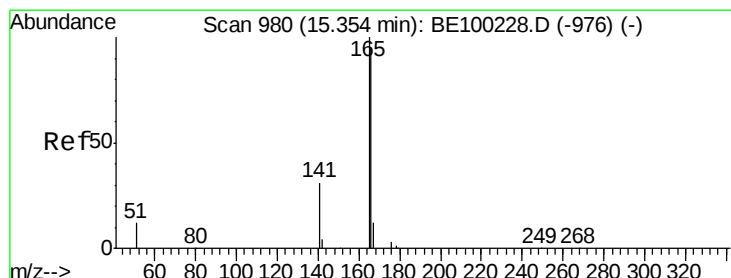
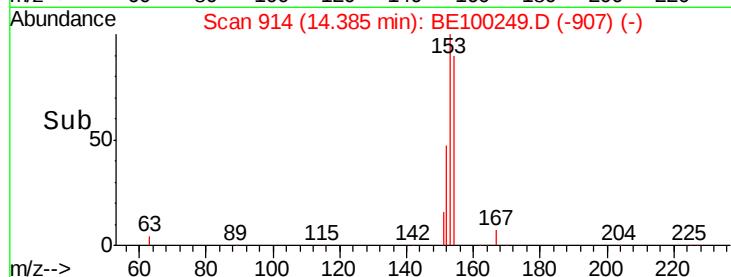
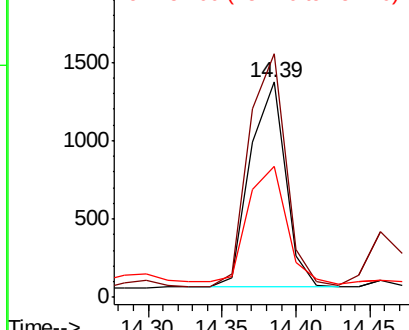


Abundance

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: 0.698 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

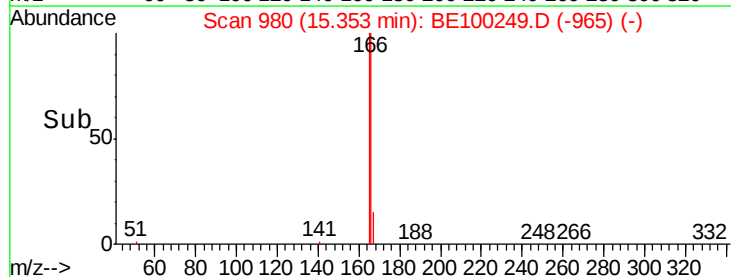
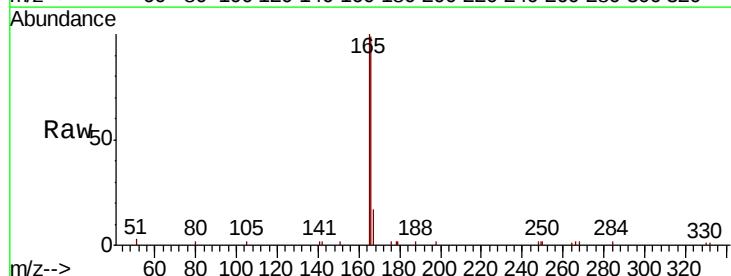
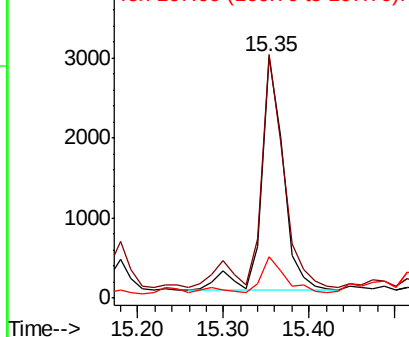
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.3	81.1	121.7
167	16.0	10.7	16.1

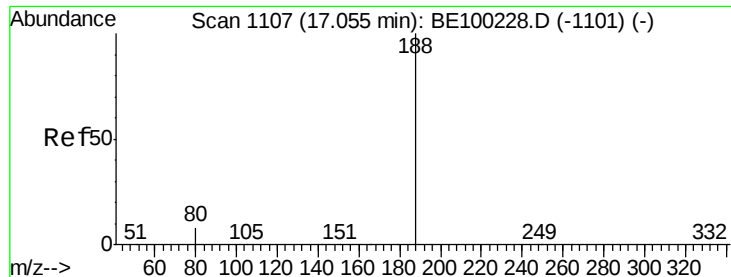
Abundance

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





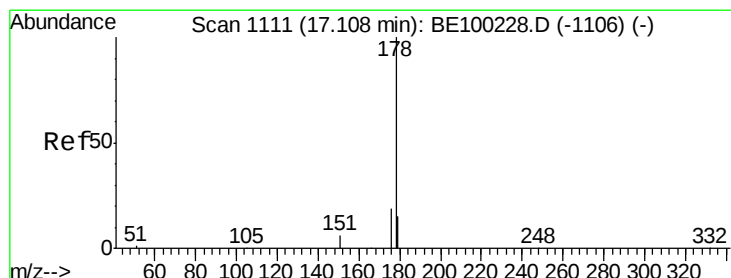
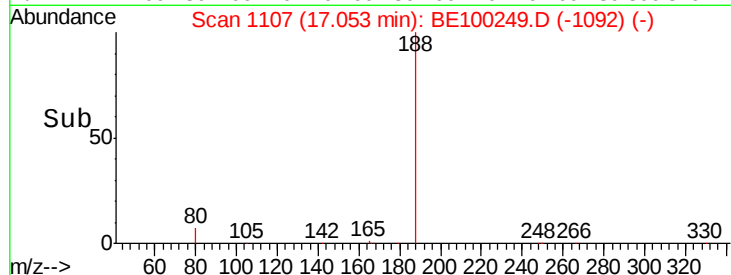
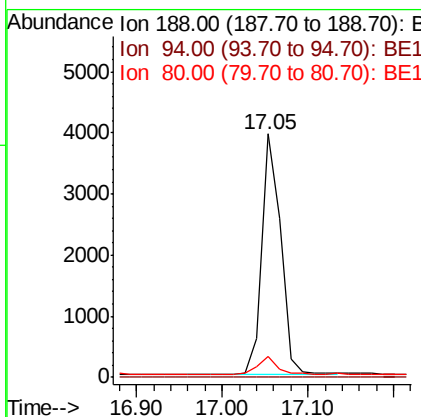
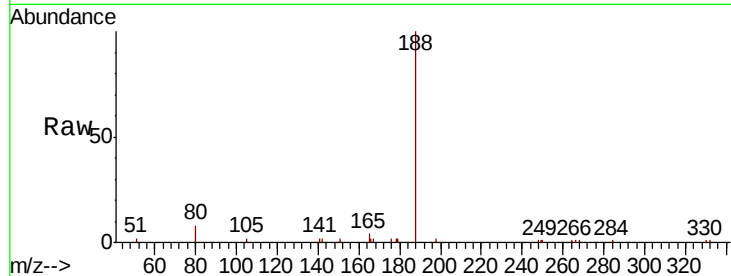
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.6	11.4

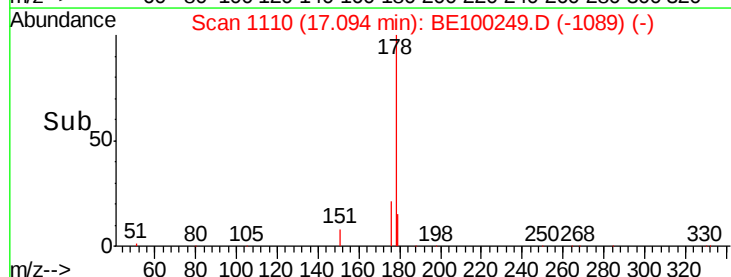
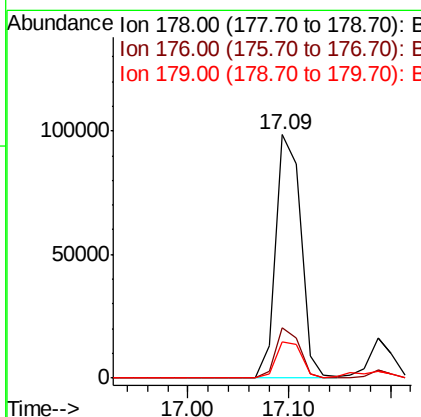
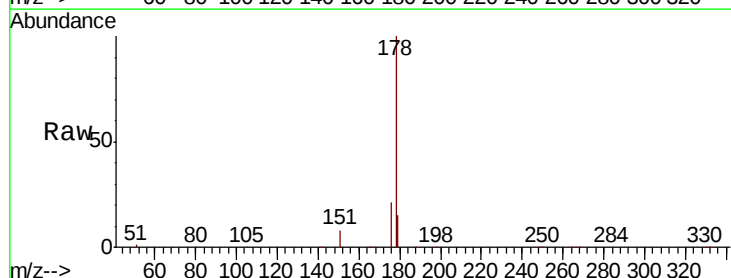
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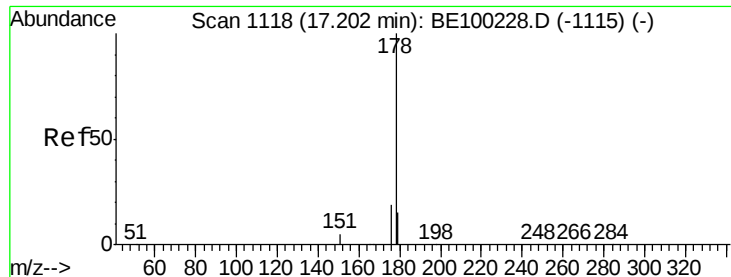
mohammad
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#23
Phenanthrene
Concen: 11.645 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.4	12.2	18.2





#24

Anthracene

Concen: 1.761 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Instrument :

BNA_E

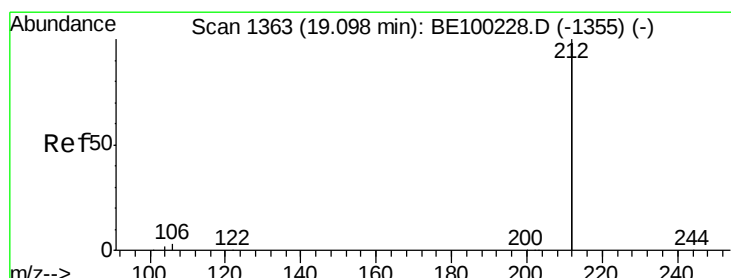
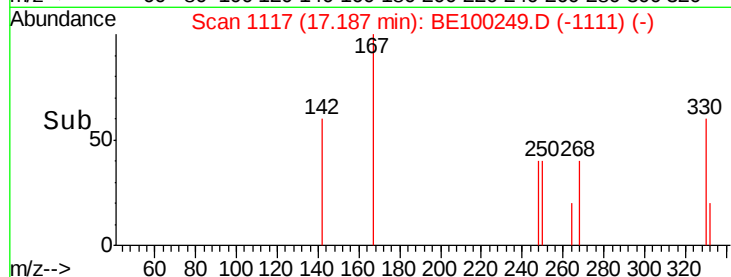
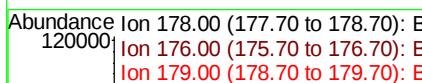
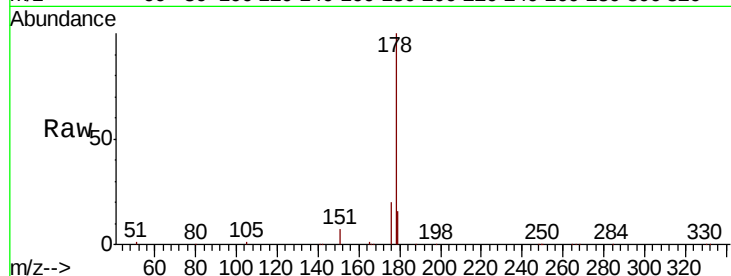
ClientSampleId :

PST-007-SW050-061819

Tot Ion:	178	Resp:	22866
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.3	22.9
179	25.3	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.289 ng

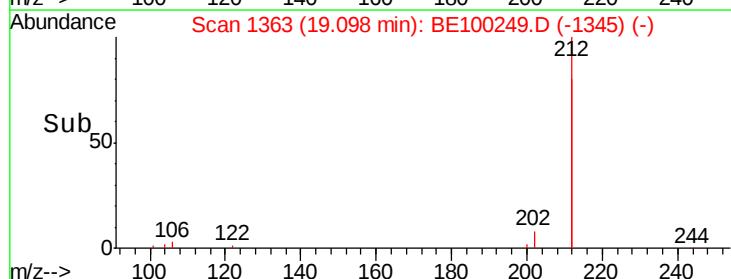
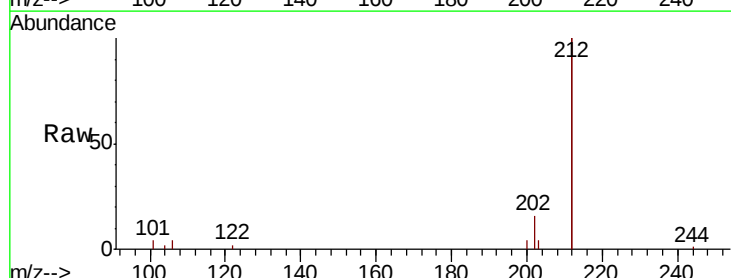
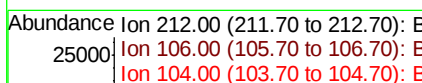
RT: 19.10 min Scan# 1363

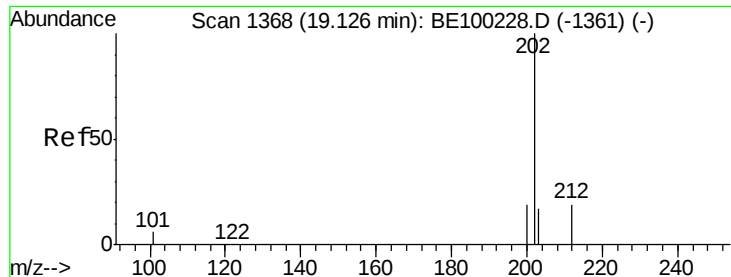
Delta R.T. 0.00 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Tgt Ion:	212	Resp:	24967
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.3	1.9
104	1.1	0.8	1.2





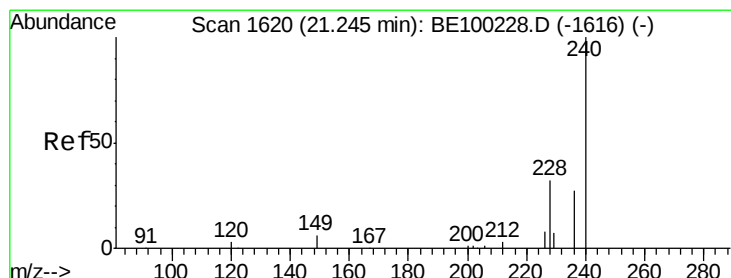
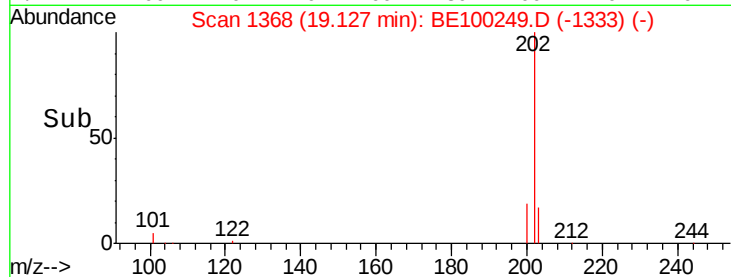
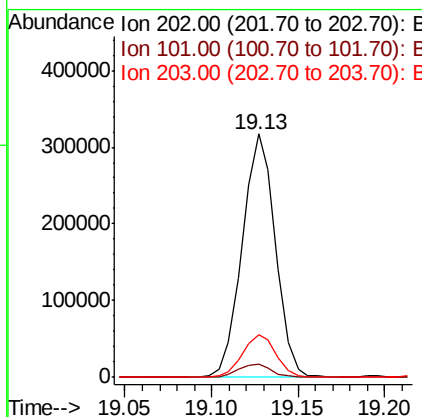
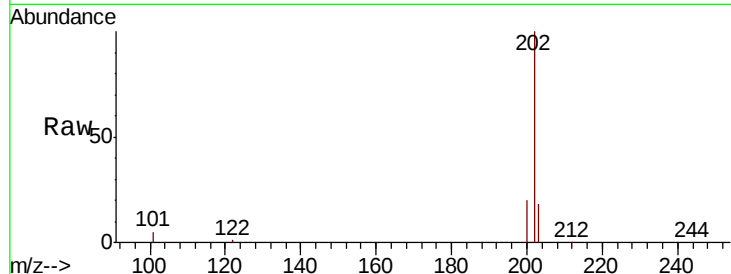
#26
 Fluoranthene
 Concen: 18.377 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100249.D
 Acq: 28 Jun 2019 23:50

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.6	13.7	20.5

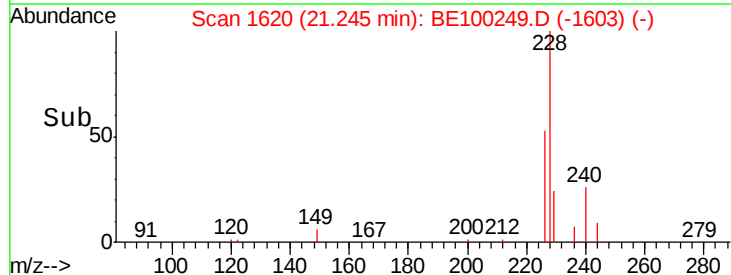
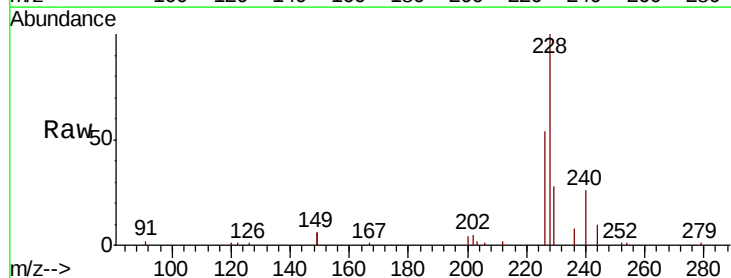
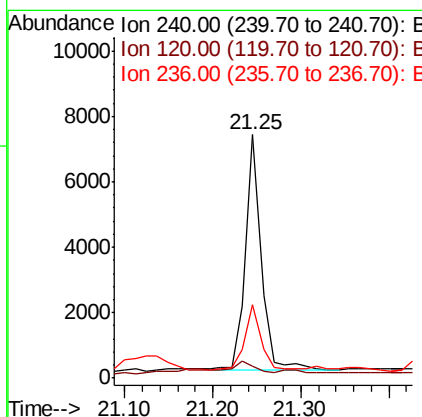
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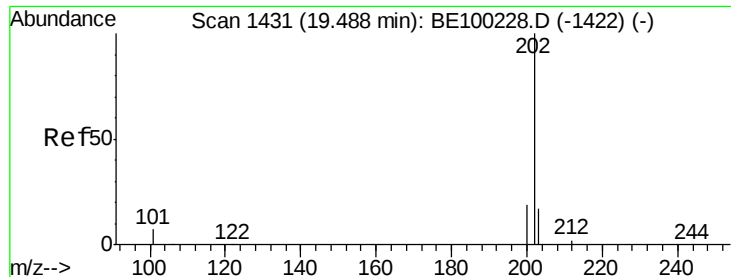
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100249.D
 Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.1	3.3	4.9#
236	30.3	22.6	34.0





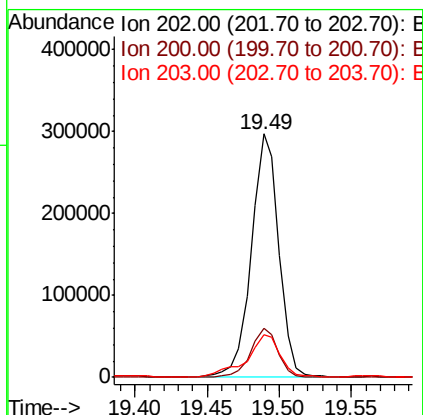
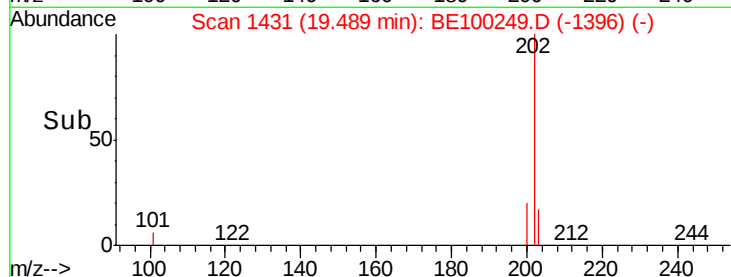
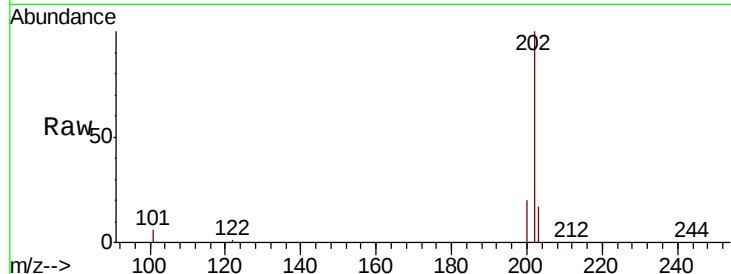
#28
Pvrene
Concen: 16.816 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	15.6	23.4
203	21.4	14.0	21.0

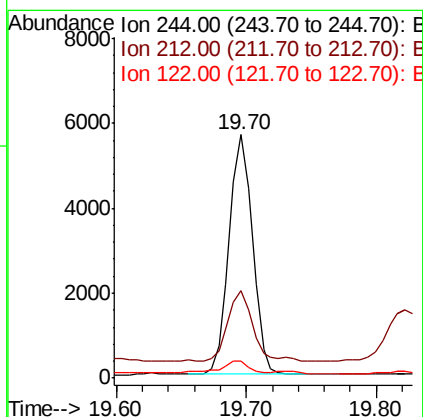
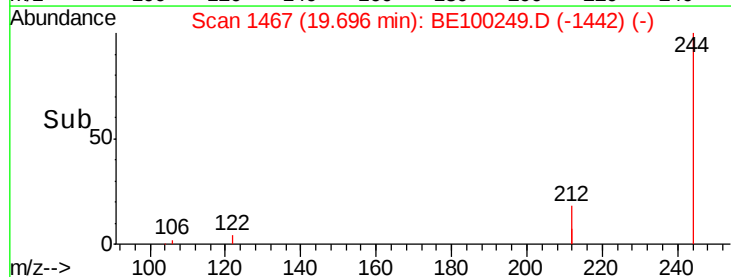
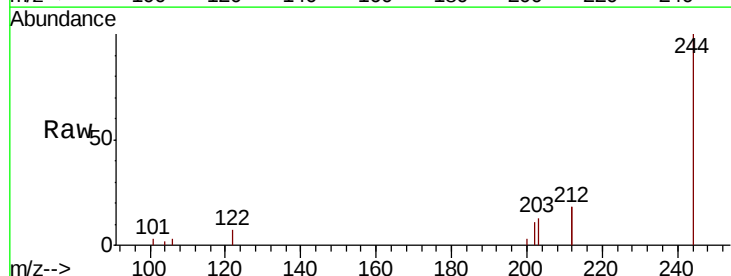
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#29
Terphenyl-d14
Concen: 0.383 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	36.1	27.3	40.9
122	6.8	4.7	7.1





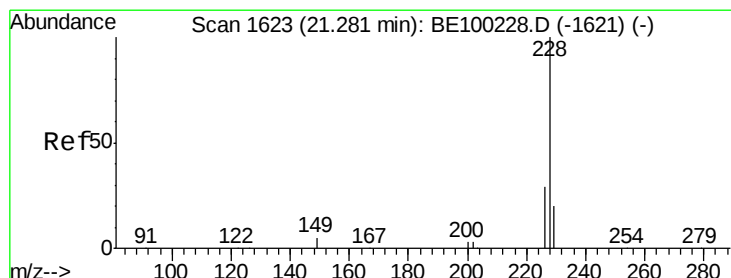
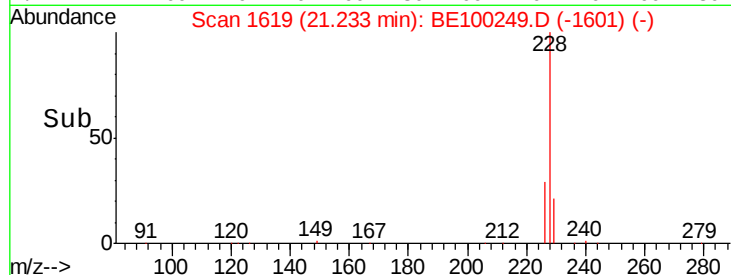
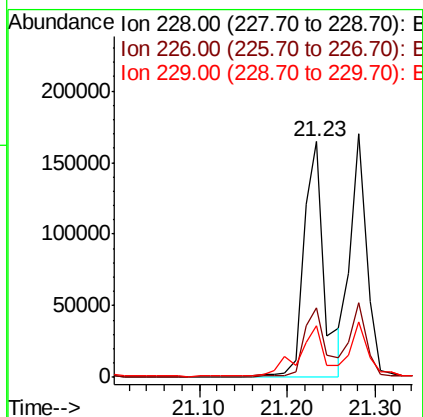
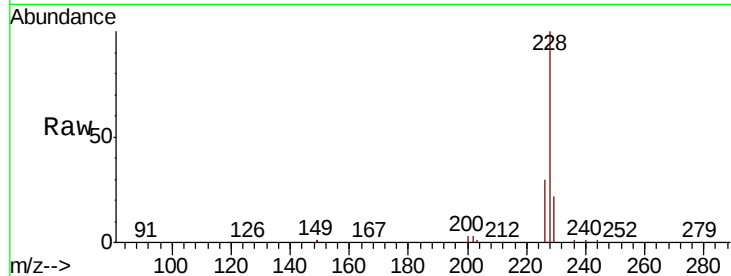
#30
Benzo(a)anthracene
Concen: 9.070 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	21.8	15.7	23.5

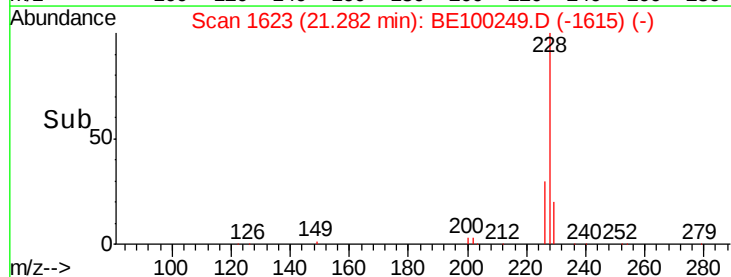
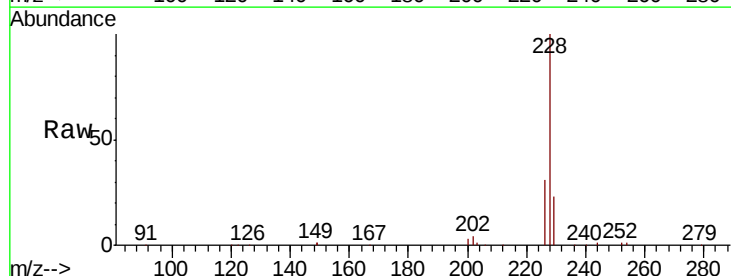
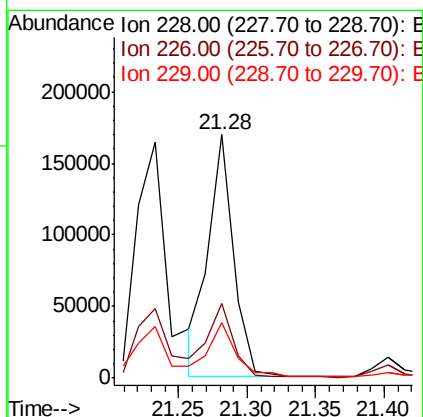
Manual Integrations
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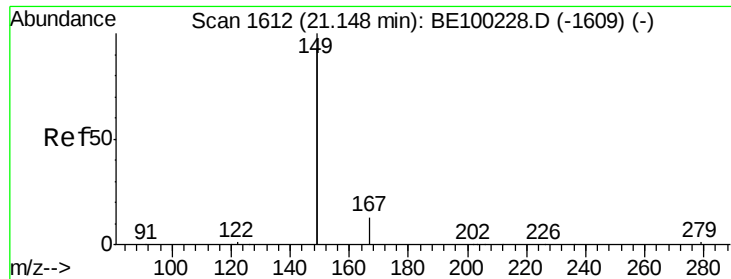
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#31
Chrysene
Concen: 7.414 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	22.9	16.5	24.7





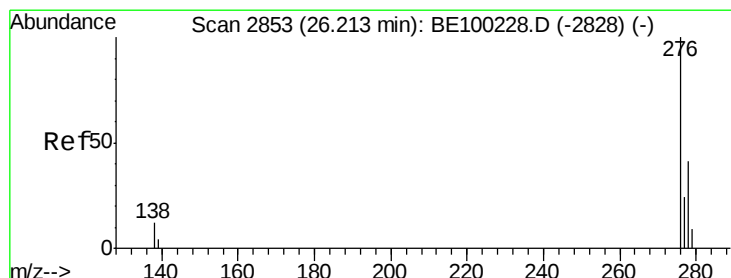
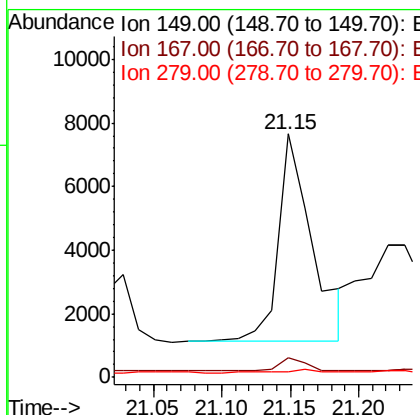
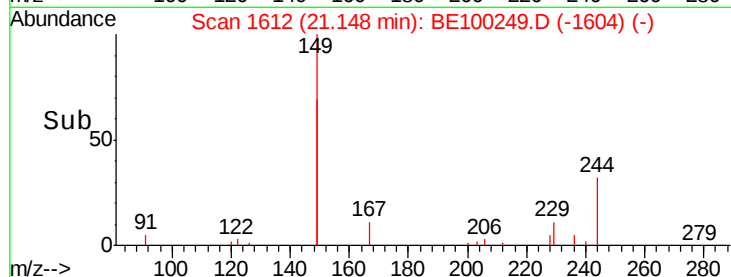
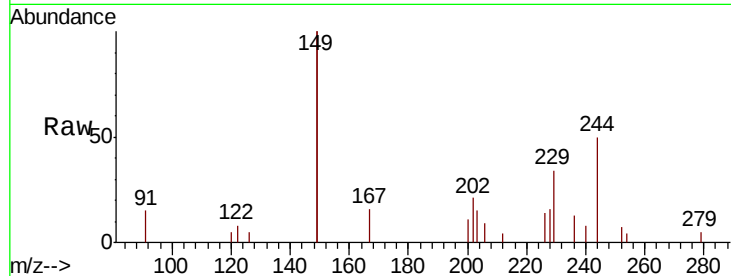
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.216 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100249.D
 Acq: 28 Jun 2019 23:50

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
149	100		
167	5.1	5.8	8.8#
279	1.2	1.1	1.7

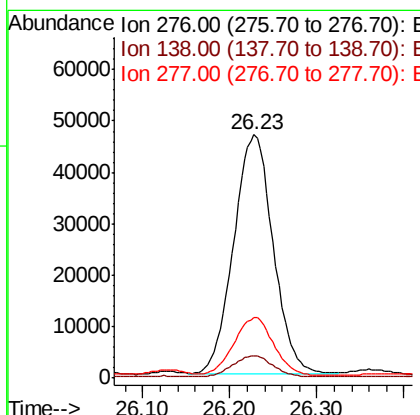
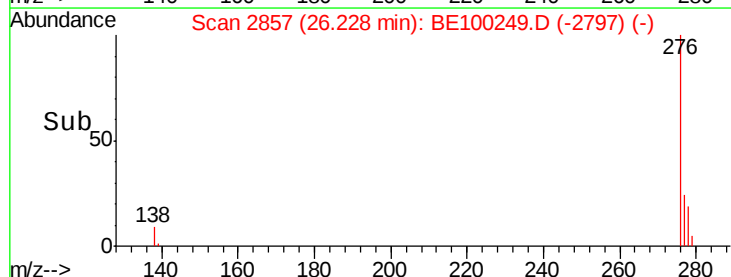
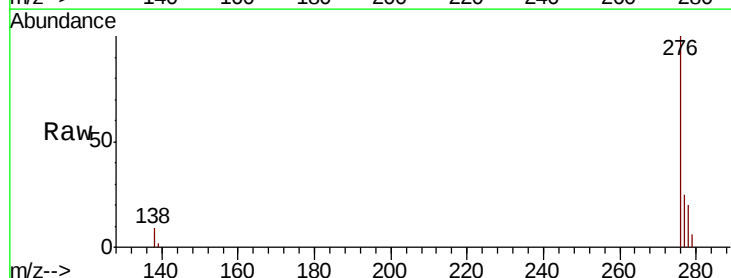
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.785 ng
 RT: 26.23 min Scan# 2857
 Delta R.T. 0.01 min
 Lab File: BE100249.D
 Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	24.6	19.2	28.8





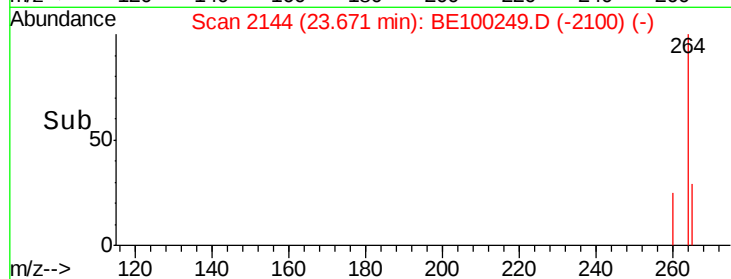
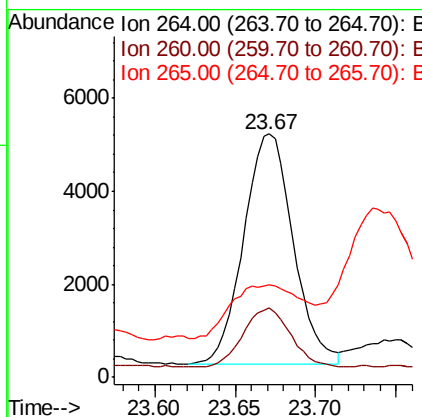
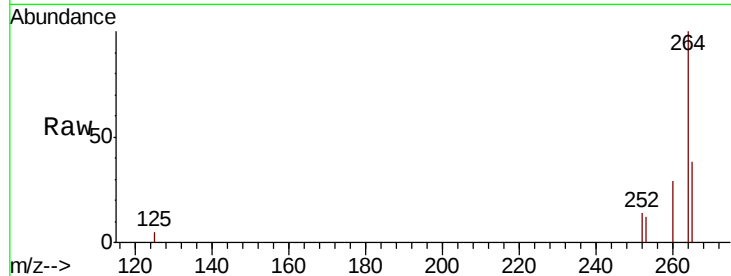
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Instrument :
BNA_E
ClientSampleId :
PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.8	31.2
265	38.0	21.8	32.6

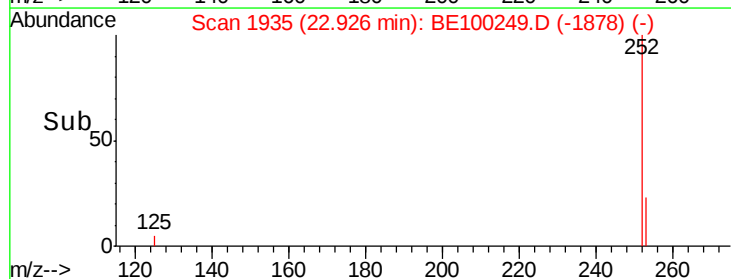
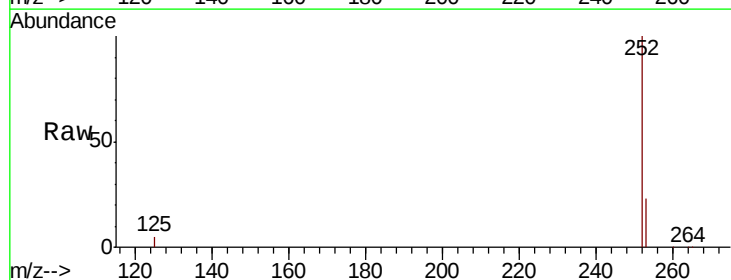
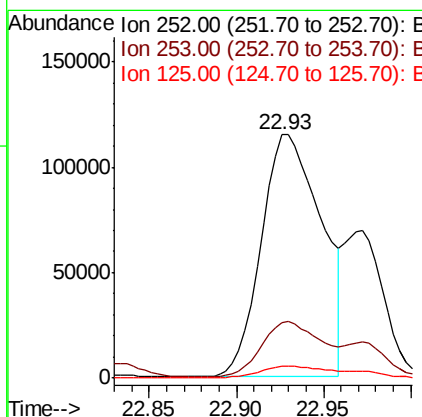
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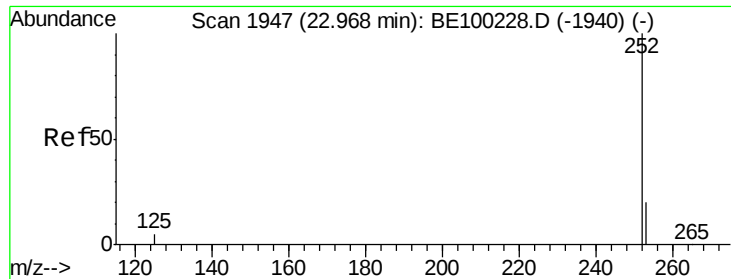
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#35
Benzo(b)fluoranthene
Concen: 9.554 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100249.D
Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	4.8	7.4	11.0





#36

Benzo(k)fluoranthene

Concen: 3.482 ng m

RT: 22.97 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Instrument :

BNA_E

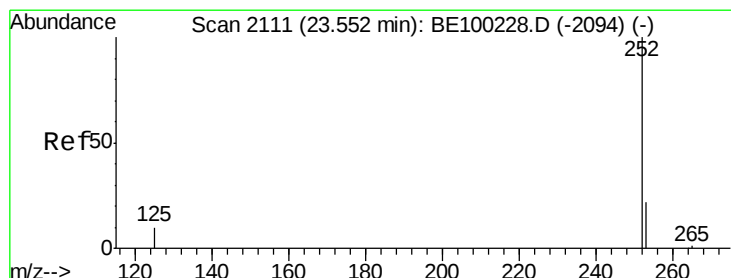
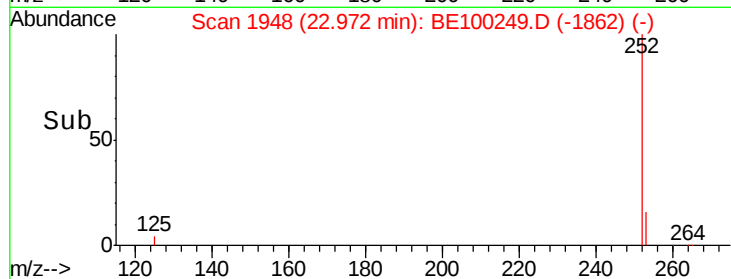
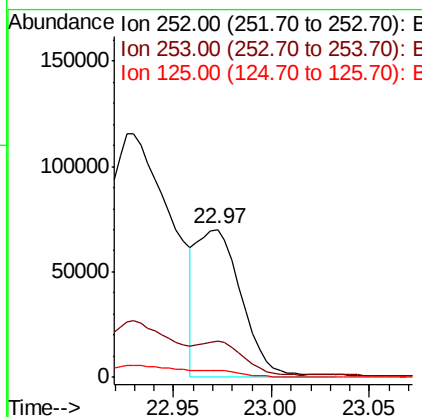
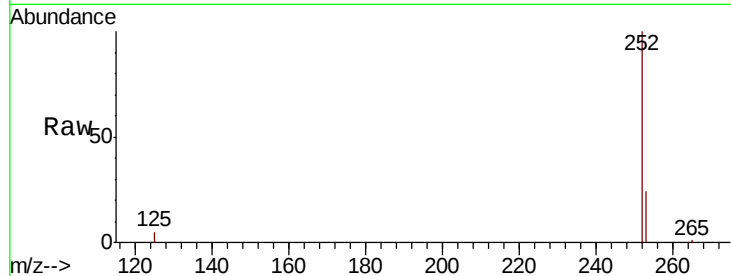
ClientSampleId :

PST-007-SW050-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	4.6	5.0	7.4

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 7.431 ng

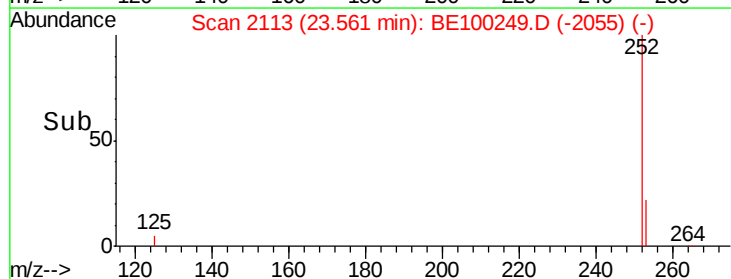
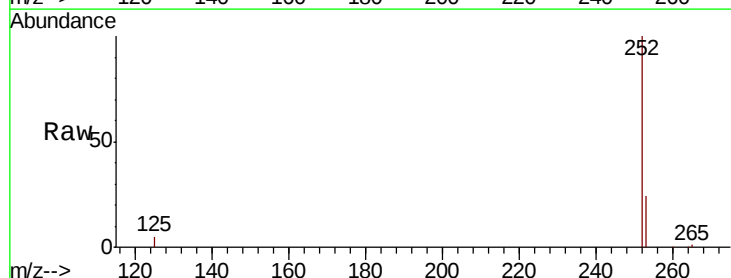
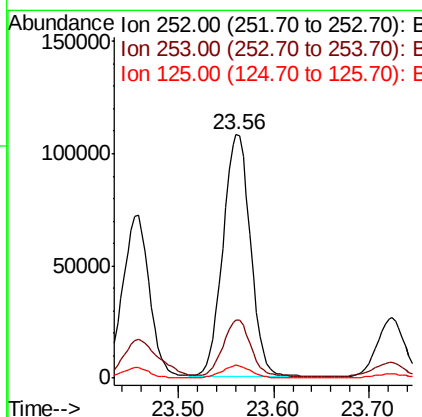
RT: 23.56 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.6	29.4
125	5.2	9.0	13.6





#38

Dibenzo(a,h)anthracene

Concen: 1.202 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Instrument :

BNA_E

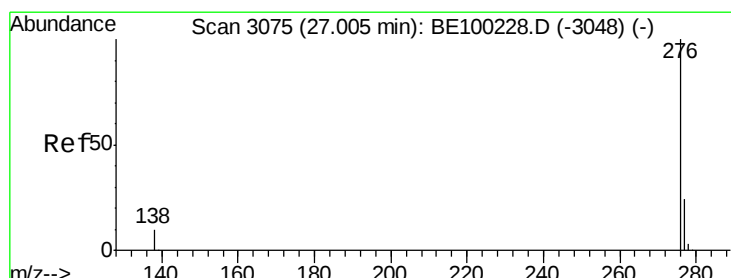
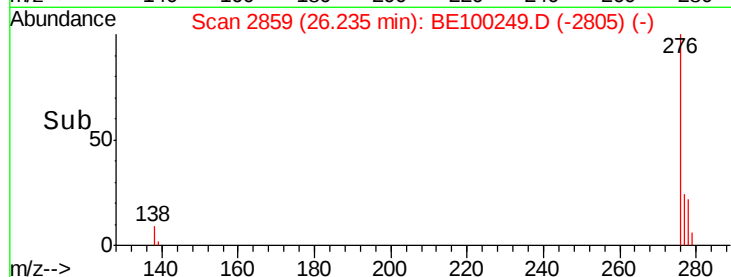
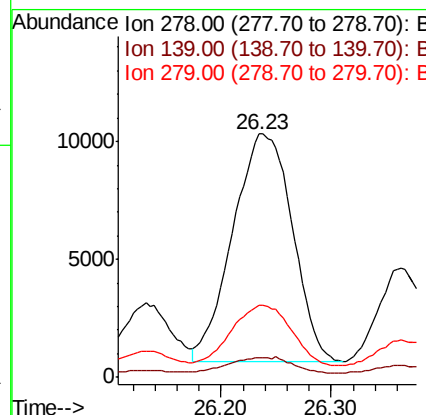
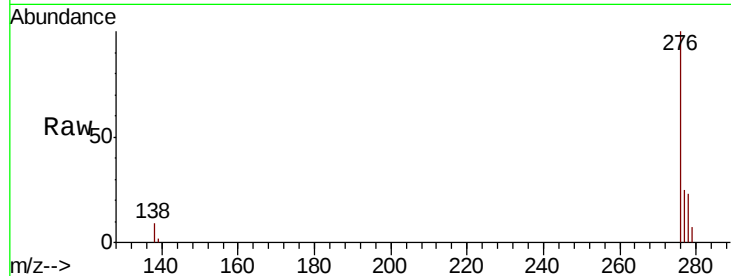
ClientSampleId :

PST-007-SW050-061819

Tot Ion:278	Resp:	36409
Ion Ratio	Lower	Upper
278	100	
139	8.3	8.2 12.2
279	29.4	20.3 30.5

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:23 PM



#39

Benzo(g,h,i)perylene

Concen: 4.540 ng

RT: 27.02 min Scan# 3078

Delta R.T. 0.01 min

Lab File: BE100249.D

Acq: 28 Jun 2019 23:50

Tgt Ion:276	Resp:	141330
Ion Ratio	Lower	Upper
276	100	
277	24.8	20.2 30.2
138	9.6	9.0 13.6

