

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100268.D
 Acq On : 1 Jul 2019 16:41
 Operator : JU/SJ
 Sample : K3428-19DL 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B041-061319DL

Manual Integrations
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mohammad
 7/3/2019 9:47:49 AM

Quant Time: Jul 02 03:27:44 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	7.65	152	808	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2949	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2334	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6782	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8999	0.40	ng	0.00
34) Perylene-d12	23.67	264	10836	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	25	0.01	ng	0.00
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	8.81	82	13	0.00	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	47	0.01	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	10	0.01	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	34	0.00	ng	0.00
25) Fluoranthene-d10	19.10	212	448	0.00	ng	0.00
29) Terphenyl-d14	19.70	244	1535	0.08	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.49	128	5925	0.182	ng	99
12) 2-Methylnaphthalene	12.12	142	1703	0.298	ng	97
16) Acenaphthylene	14.04	152	11770	1.051	ng	98
17) Acenaphthene	14.38	154	1100	0.173	ng	91
18) Fluorene	15.35	166	5827	0.621	ng	# 88
23) Phenanthrene	17.09	178	88395	5.378	ng	99
24) Anthracene	17.19	178	7717	0.521	ng	# 97
26) Fluoranthene	19.13	202	96531	3.687	ng	98
28) Pyrene	19.49	202	157228	6.599	ng	97
30) Benzo(a)anthracene	21.23	228	74526m	2.519	ng	
31) Chrysene	21.28	228	94695	3.187	ng	96
33) Indeno(1,2,3-cd)pyrene	26.23	276	34457	0.877	ng	98
35) Benzo(b)fluoranthene	22.93	252	63674	2.167	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	18006m	0.549	ng	
37) Benzo(a)pyrene	23.56	252	57211	1.943	ng	# 95
38) Dibenzo(a,h)anthracene	26.24	278	10932	0.356	ng	# 76
39) Benzo(a,h,i)perylene	27.02	276	42068	1.332	ng	99

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

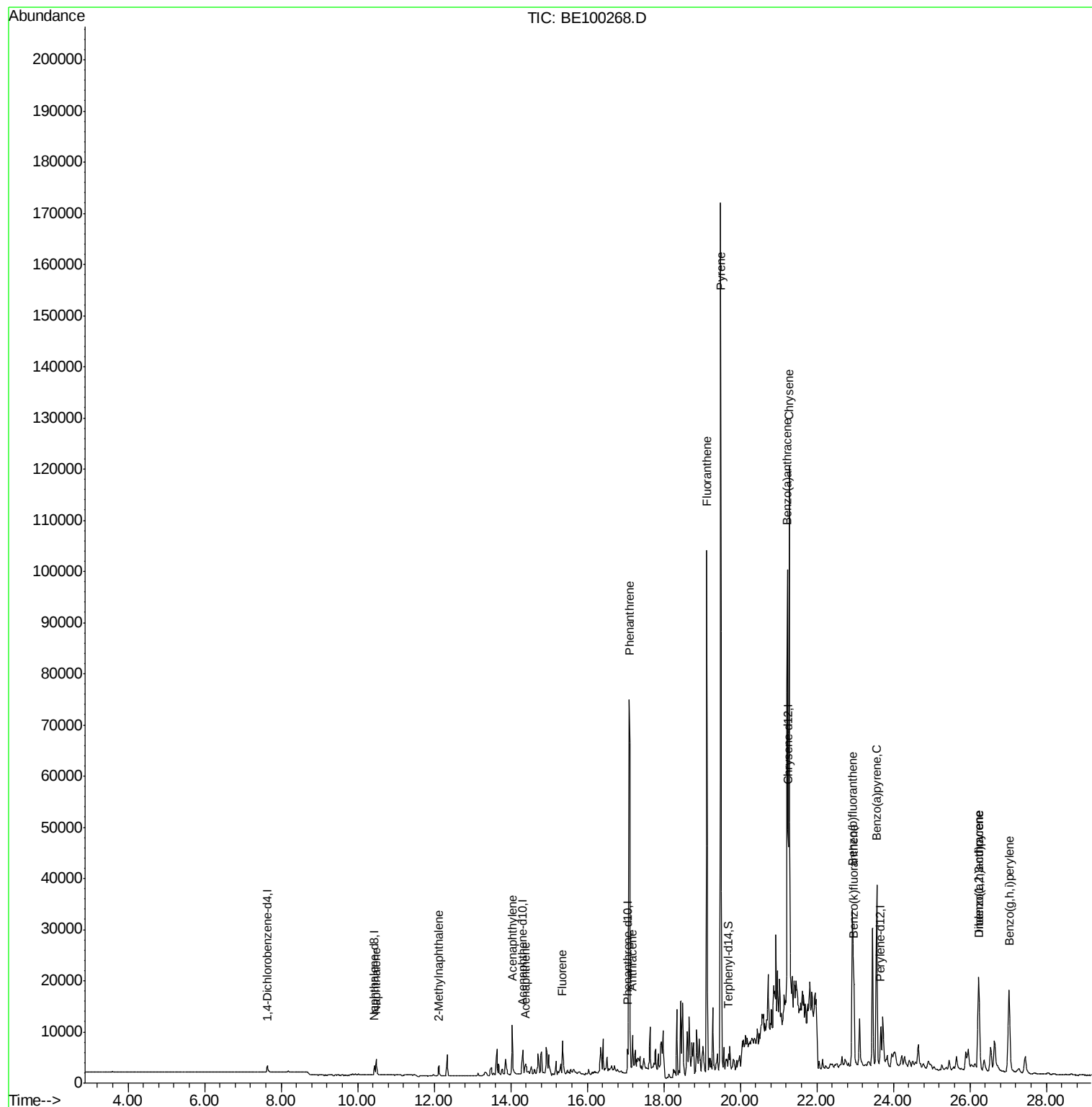
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100268.D
Acq On : 1 Jul 2019 16:41
Operator : JU/SJ
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

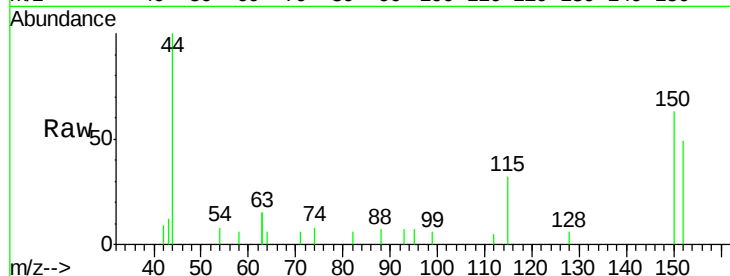
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

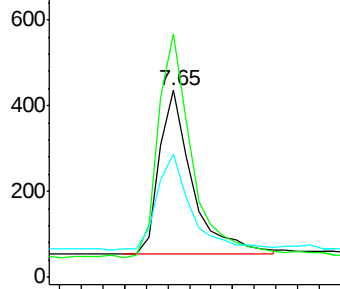
Tot Ion	Ratio	Lower	Upper
152	100		
150	130.0	114.5	171.7
115	65.6	57.1	85.7

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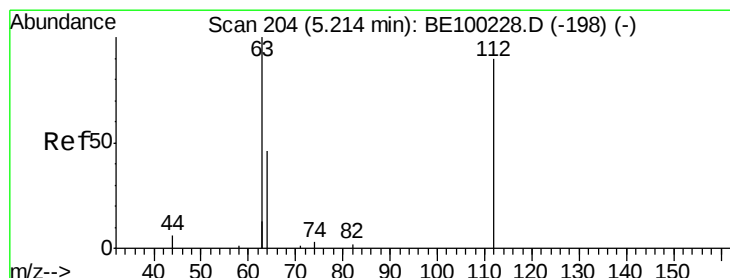
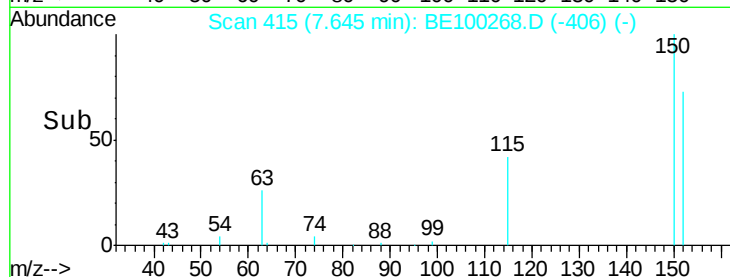
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



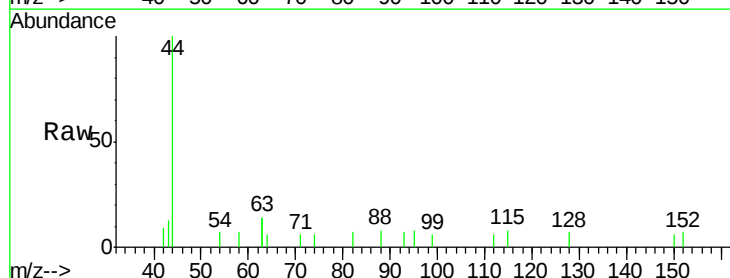
Time-->



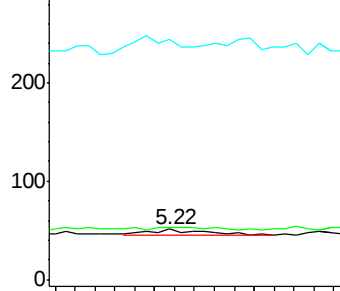
#4

2-Fluorophenol
Concen: 0.012 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

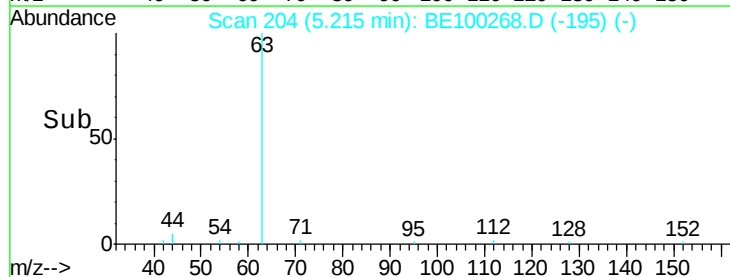
Tgt Ion	Ratio	Lower	Upper
112	100		
64	36.0	39.4	59.0#
63	0.0	104.5	156.7#

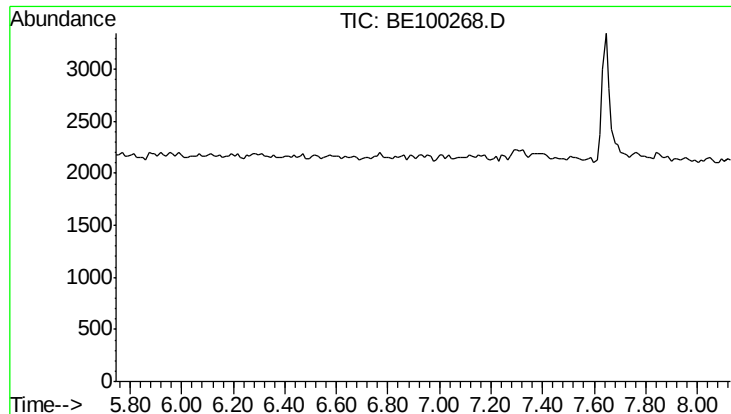


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





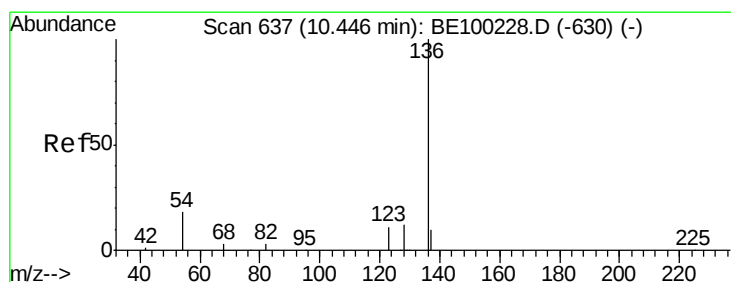
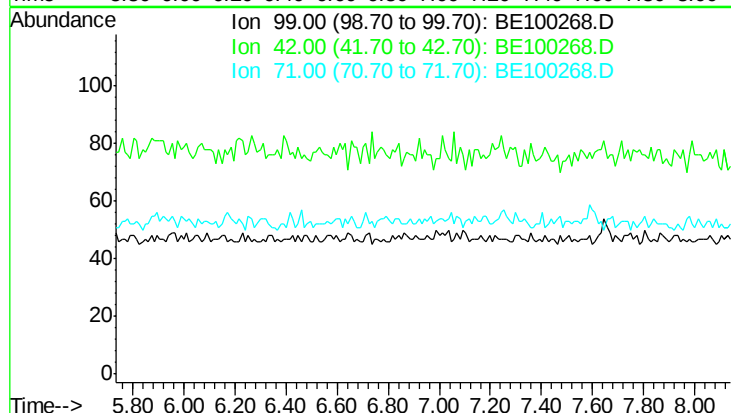
#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BE100268.D
 Acq: 1 Jul 2019 16:41

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B041-061319DL

Tot Ion	99
Sig	Exp Ratio
99	100
42	14.0
71	46.5

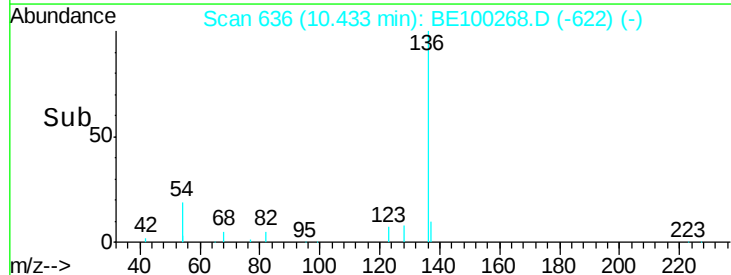
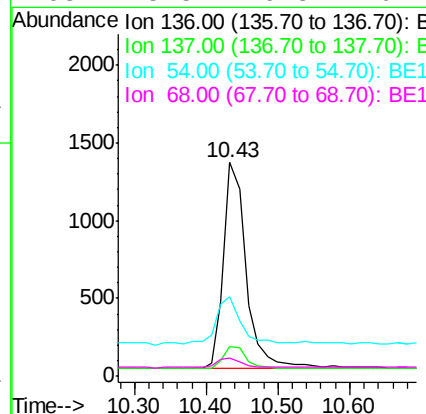
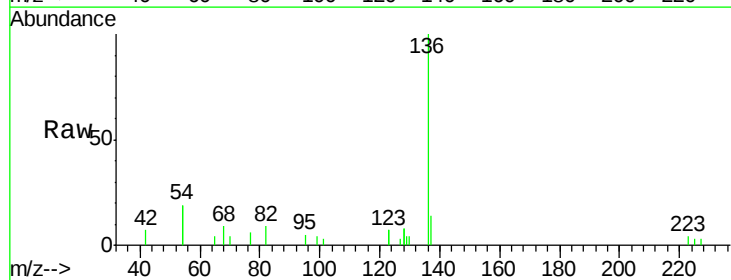
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#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.43 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: BE100268.D
 Acq: 1 Jul 2019 16:41

Tgt Ion	136	Resp	2949
Ion Ratio	Lower	Upper	
136	100		
137	13.7	11.8	17.8
54	37.2	27.7	41.5
68	8.5	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.004 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

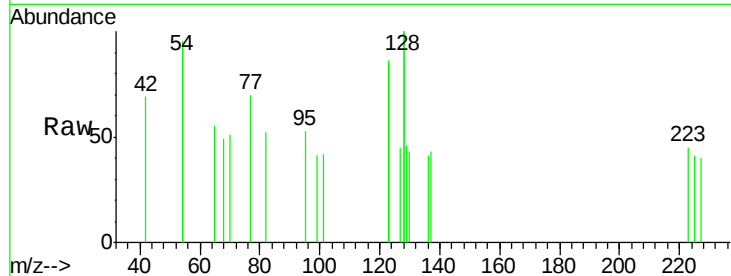
ClientSampleId :

PST-084-B041-061319DL

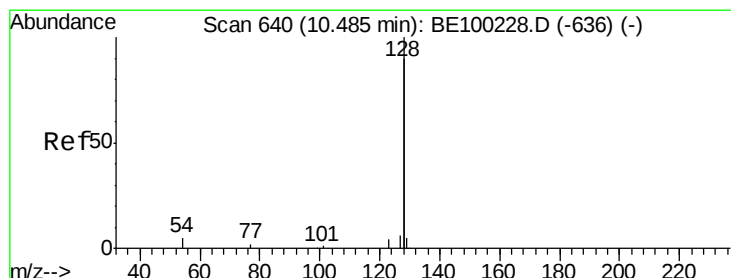
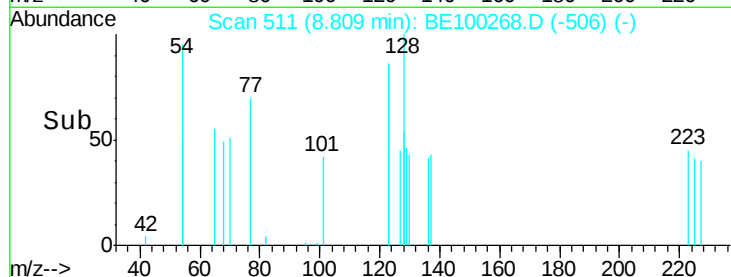
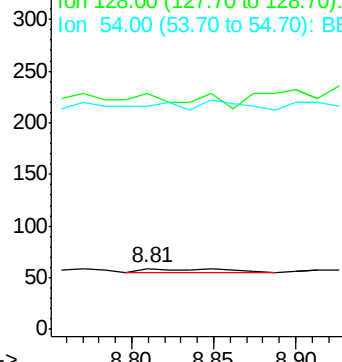
Tot Ion:	82	Resp:	13
Ion	Ratio	Lower	Upper
82	100		
128	386.4	140.9	211.3#
54	366.1	146.2	219.2#

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



#9

Naphthalene

Concen: 0.182 ng

RT: 10.49 min Scan# 640

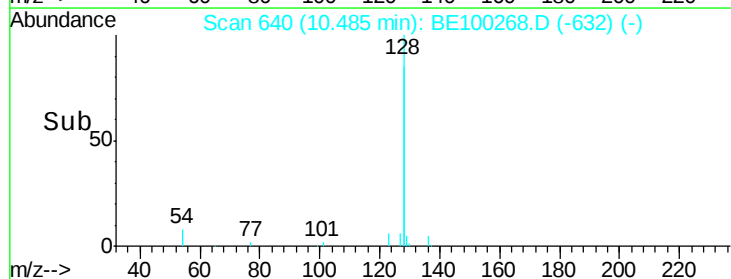
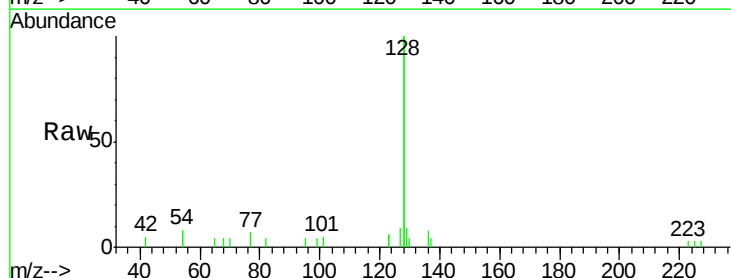
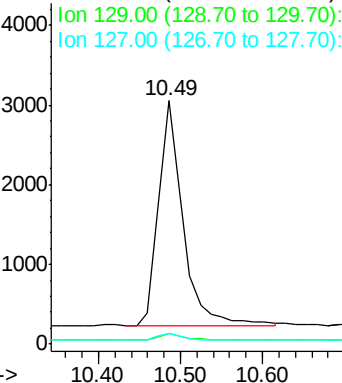
Delta R.T. 0.00 min

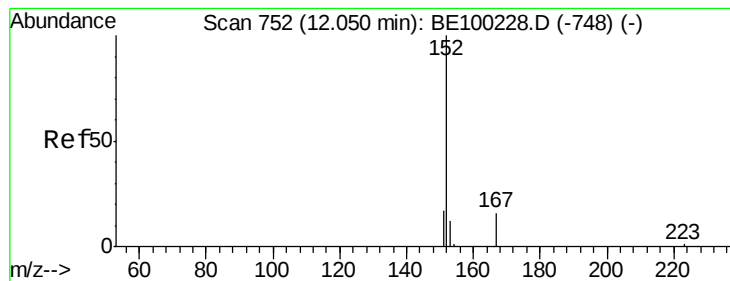
Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Tgt Ion:	128	Resp:	5925
Ion	Ratio	Lower	Upper
128	100		
129	4.5	3.0	4.6
127	4.5	3.5	5.3

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





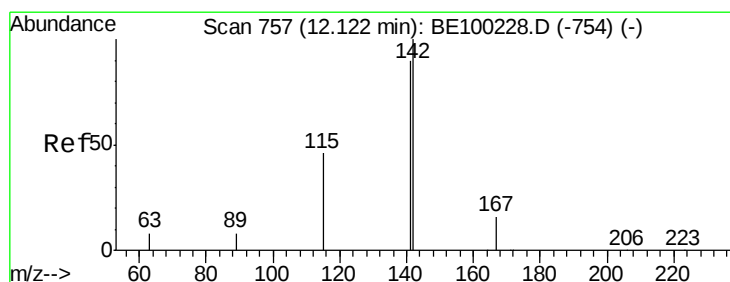
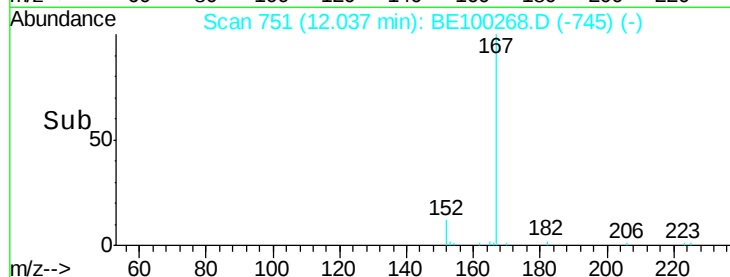
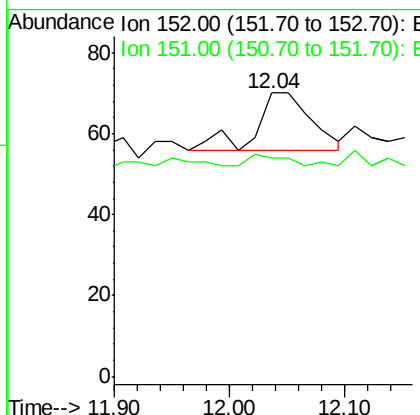
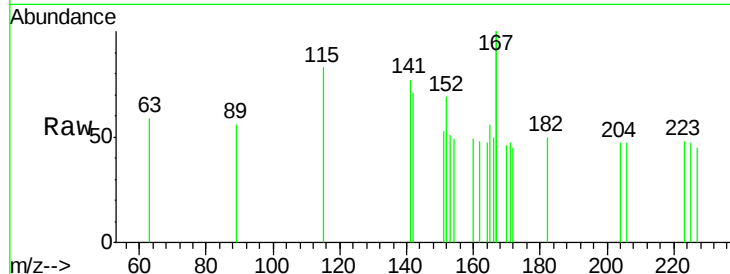
#11
2-Methylnaphthalene-d10
Concen: 0.008 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion:152 Resp: 47
Ion Ratio Lower Upper
152 100
151 12.8 15.1 22.7#

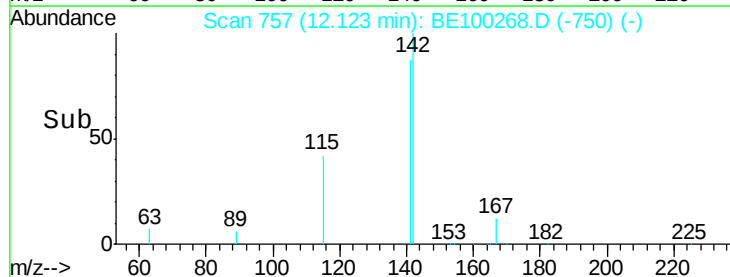
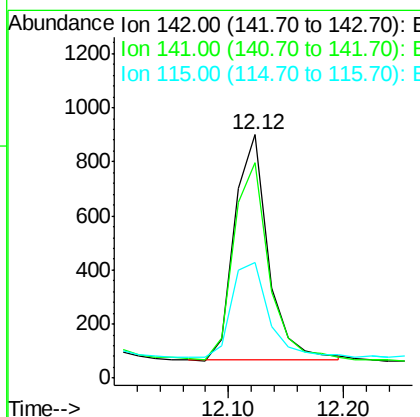
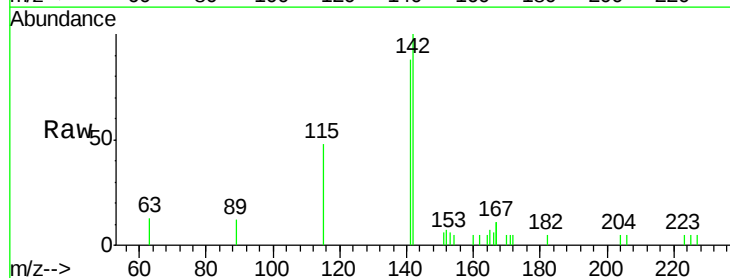
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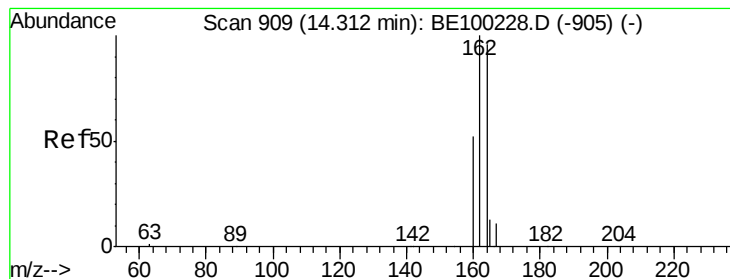
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#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion:142 Resp: 1703
Ion Ratio Lower Upper
142 100
141 88.3 72.4 108.6
115 47.7 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: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

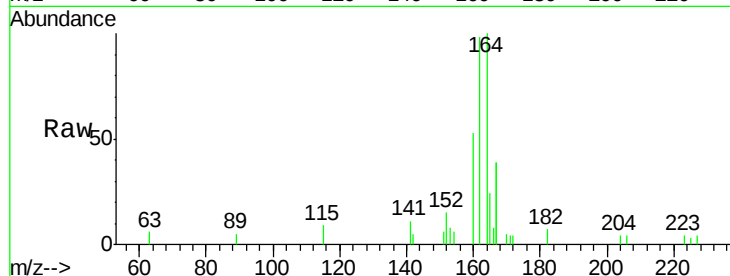
ClientSampleId :

PST-084-B041-061319DL

Tot Ion:	164	Resp:	2334
Ion Ratio	Lower	Upper	
164	100		
162	98.3	83.4	125.0
160	53.1	45.0	67.6

Manual Integrations
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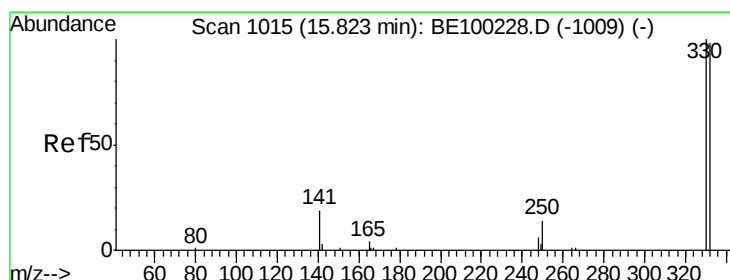
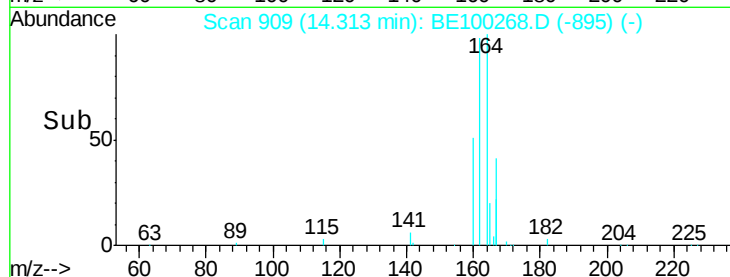
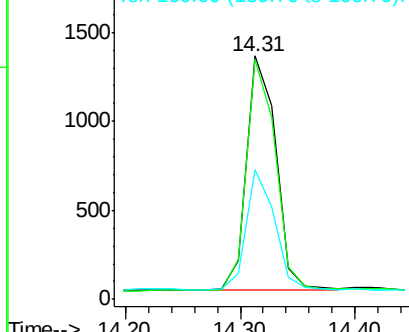
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.006 ng

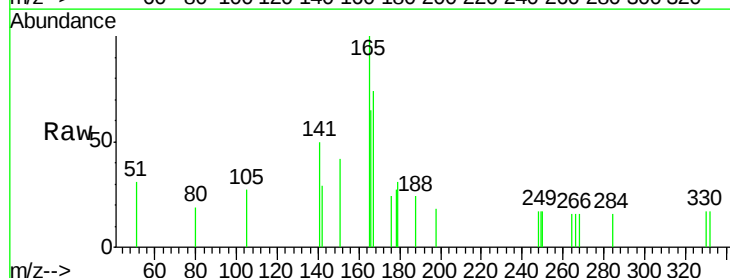
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

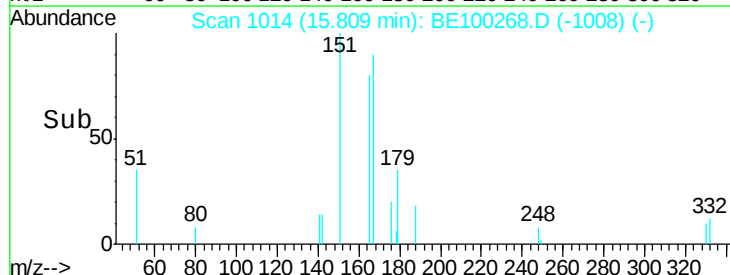
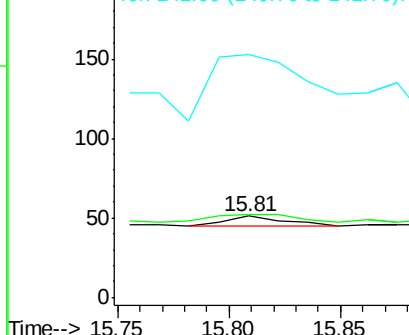
Tgt Ion:	330	Resp:	10
Ion Ratio	Lower	Upper	
330	100		
332	140.0	77.0	115.4#
141	4070.0	22.0	33.0#



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





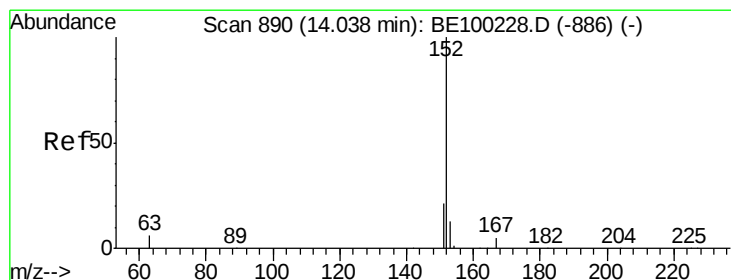
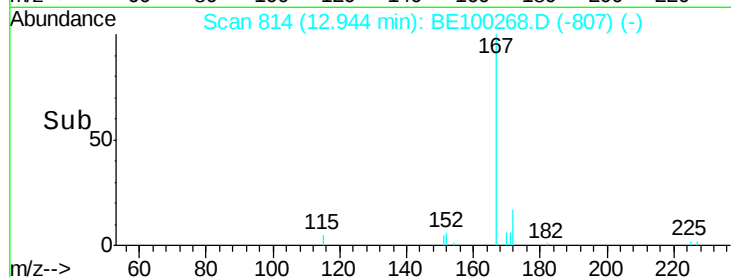
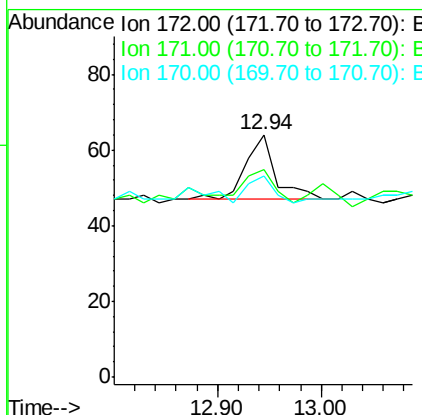
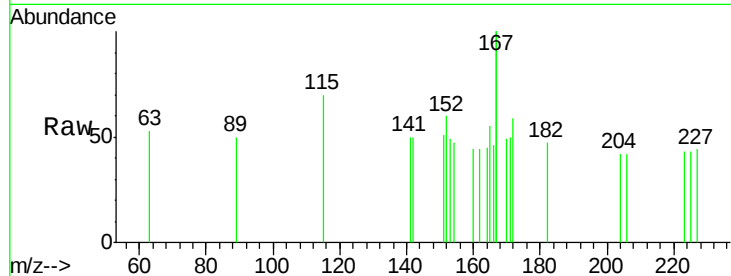
#15
2-Fluorobiphenyl
Concen: 0.004 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	85.9	31.9	47.9#
170	82.8	22.2	33.2#

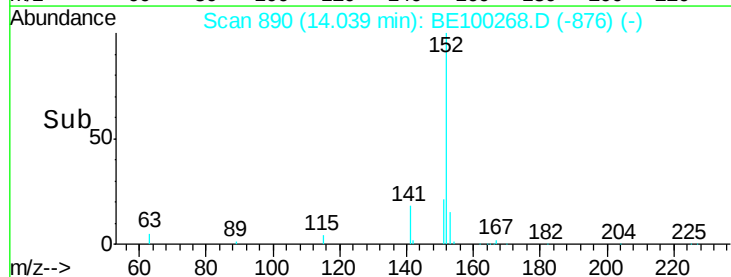
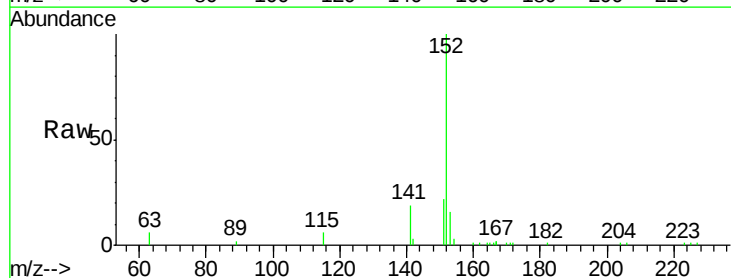
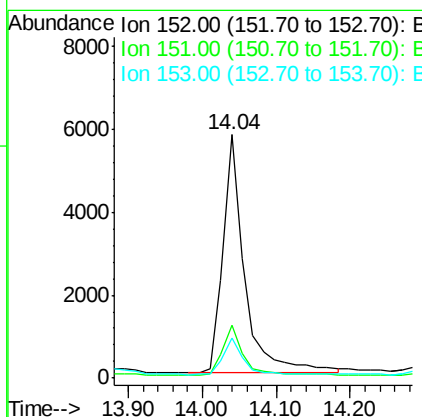
Manual Integrations
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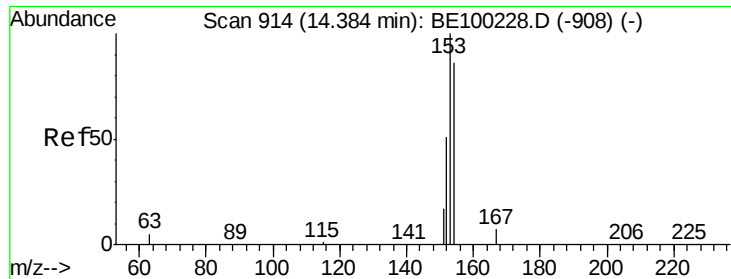
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#16
Acenaphthylene
Concen: 1.051 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0
153	14.3	10.5	15.7





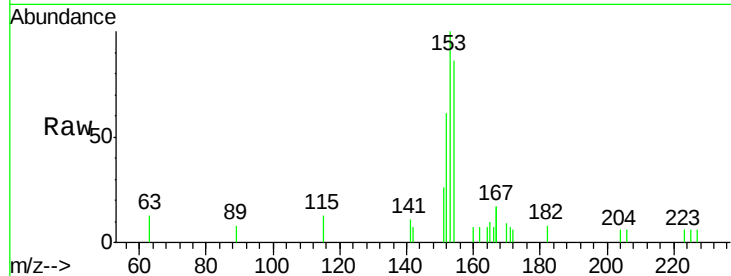
#17
Acenaphthene
Concen: 0.173 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

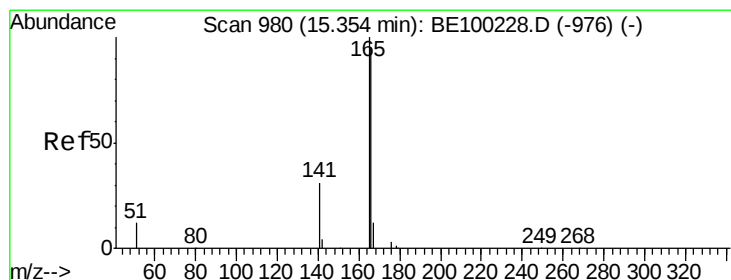
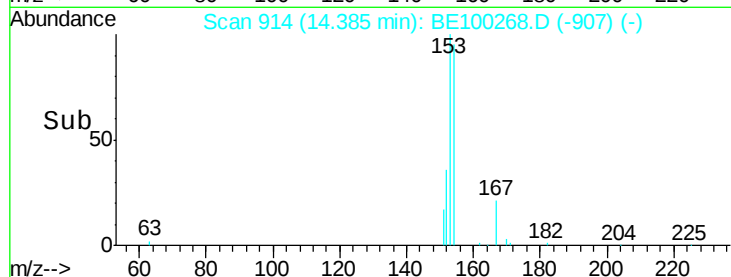
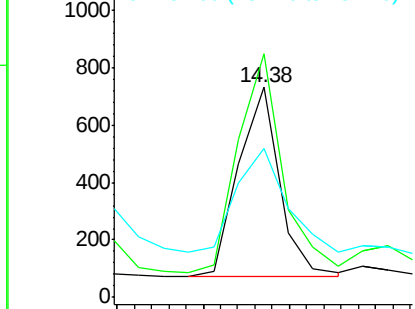
Tot Ion	Ratio	Lower	Upper
154	100		
153	124.4	93.4	140.2
152	72.4	49.4	74.2

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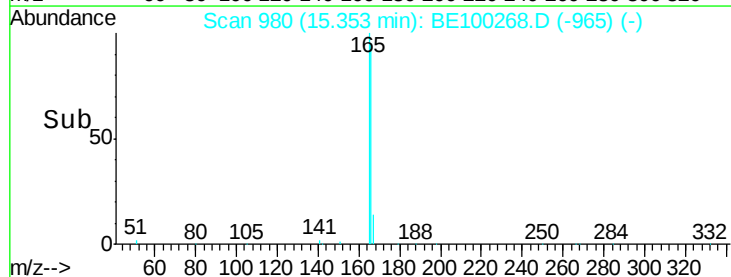
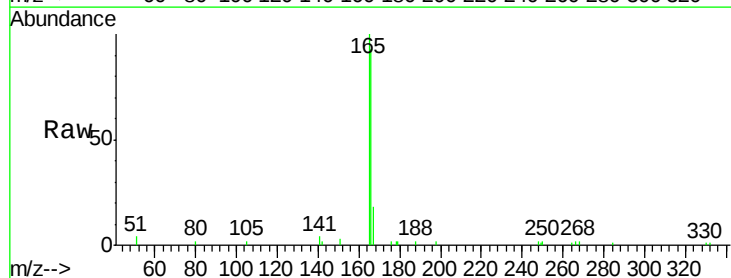
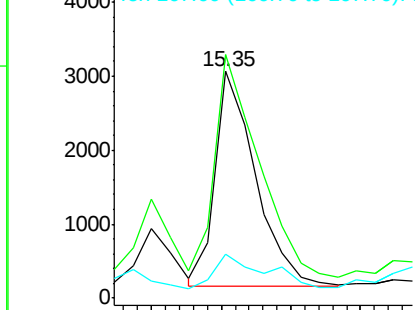
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

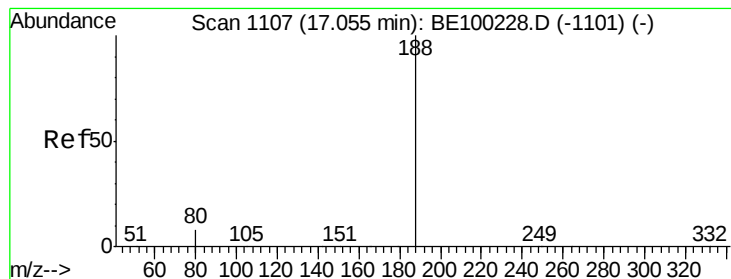


#18
Fluorene
Concen: 0.621 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.4	81.1	121.7
167	20.3	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: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

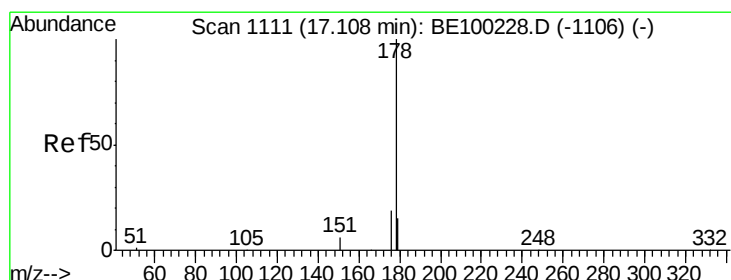
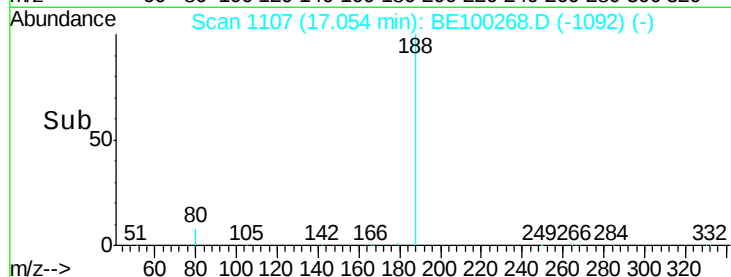
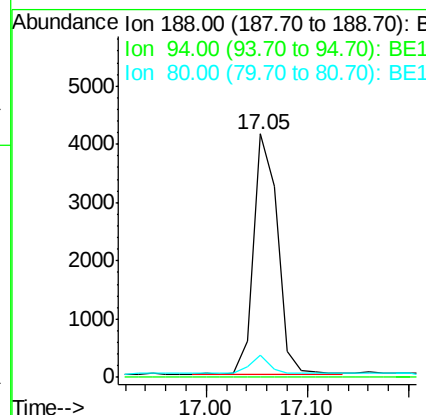
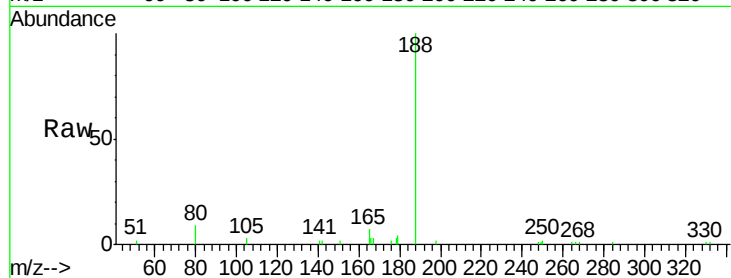
ClientSampleId :

PST-084-B041-061319DL

Tot Ion:	188	Resp:	6782
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	7.6	11.4

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#23

Phenanthrene

Concen: 5.378 ng

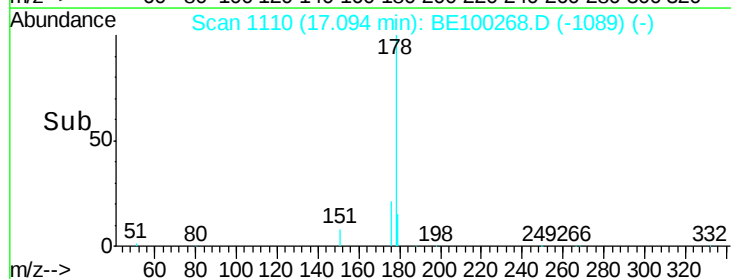
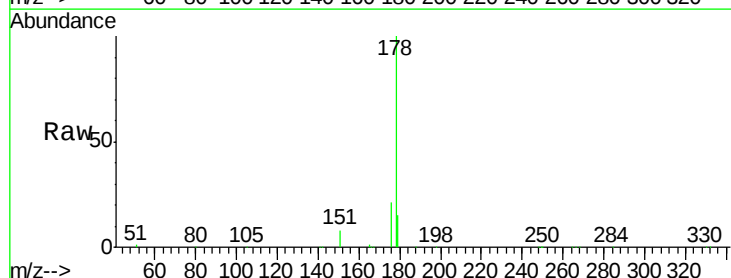
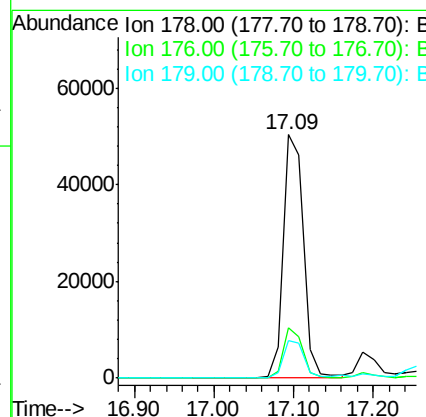
RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Tgt Ion:	178	Resp:	88395
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.7	12.2	18.2





#24

Anthracene

Concen: 0.521 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

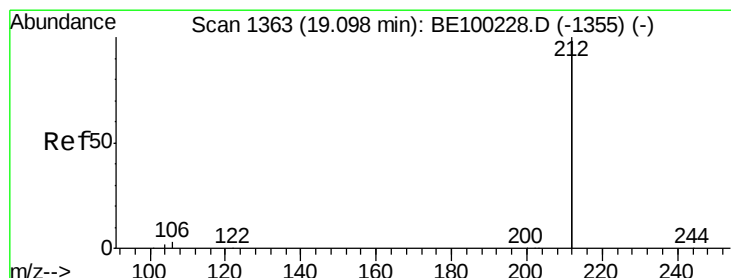
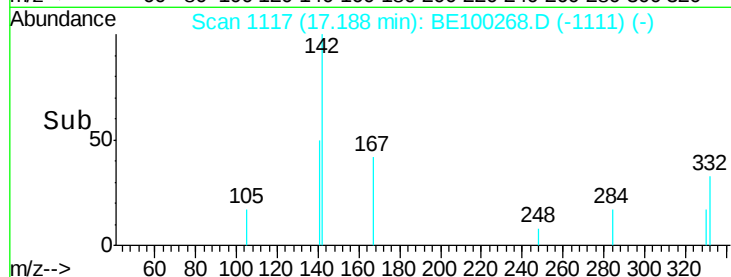
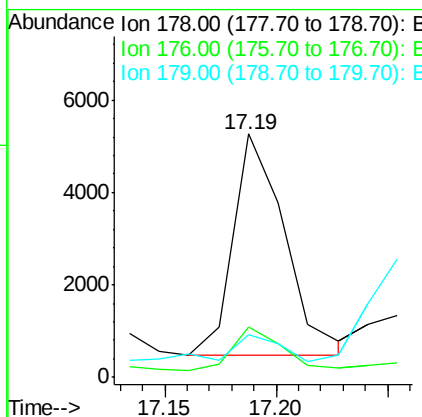
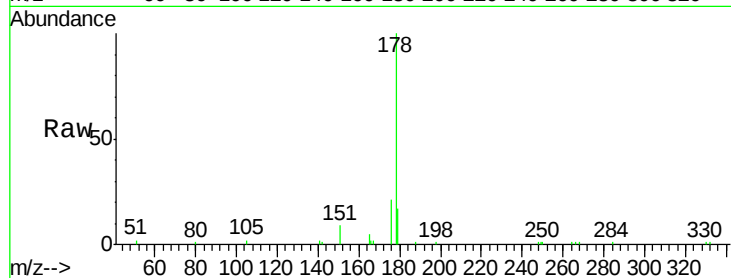
ClientSampleId :

PST-084-B041-061319DL

Tot Ion:	178	Resp:	7717
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	12.1	12.2	18.2

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.005 ng

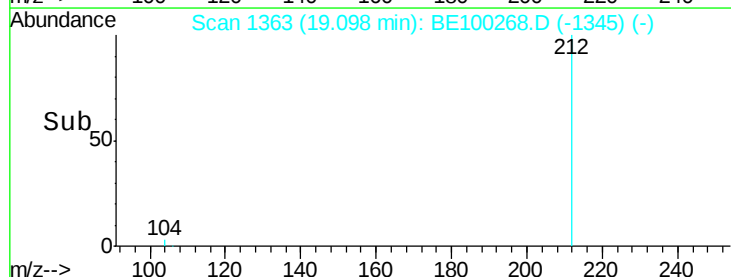
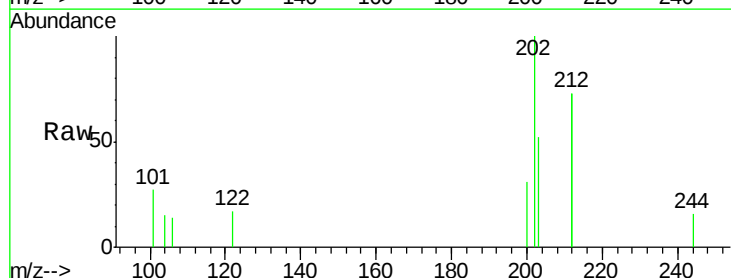
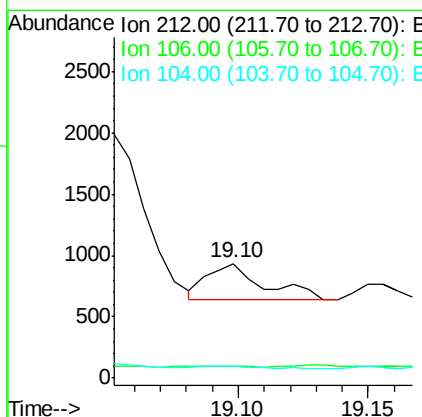
RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Tgt Ion:	212	Resp:	448
Ion Ratio	Lower	Upper	
212	100		
106	0.0	1.3	1.9
104	7.1	0.8	1.2





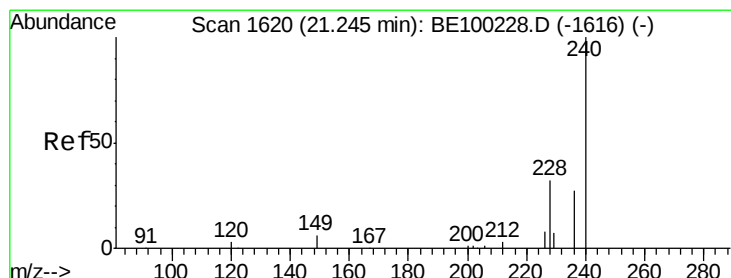
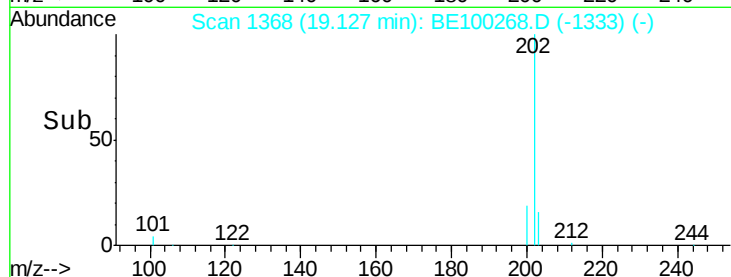
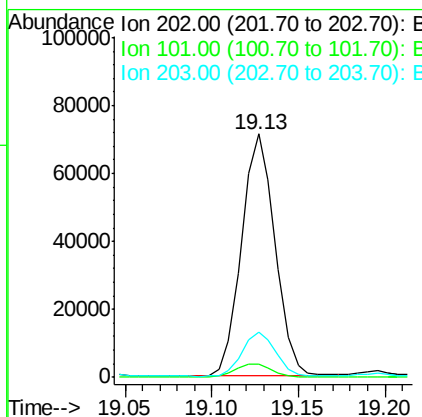
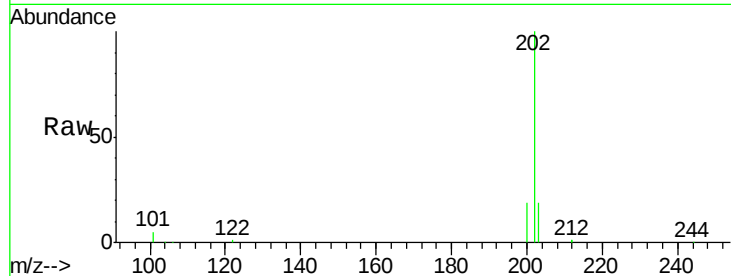
#26
Fluoranthene
Concen: 3.687 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	18.2	13.7	20.5

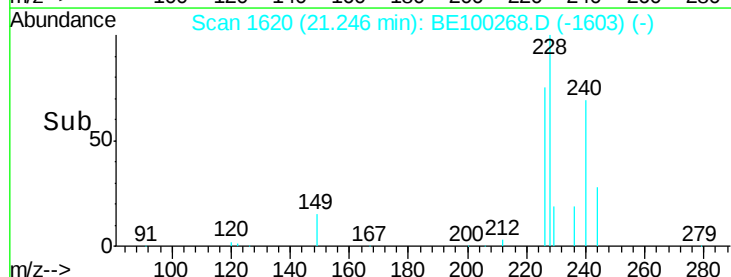
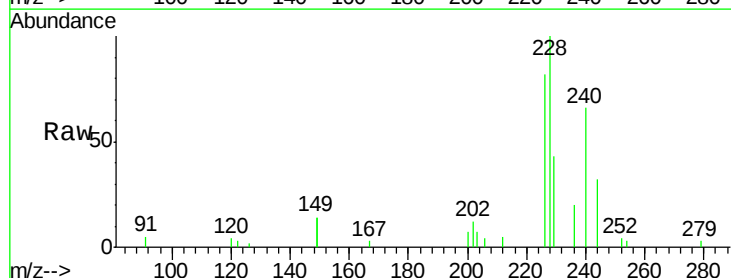
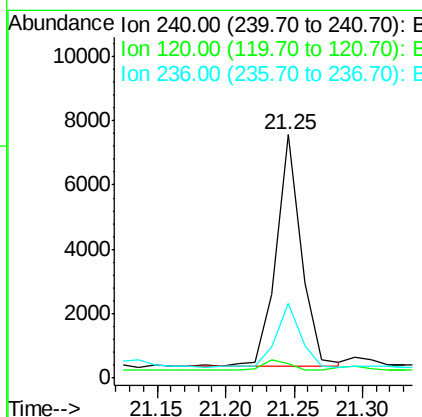
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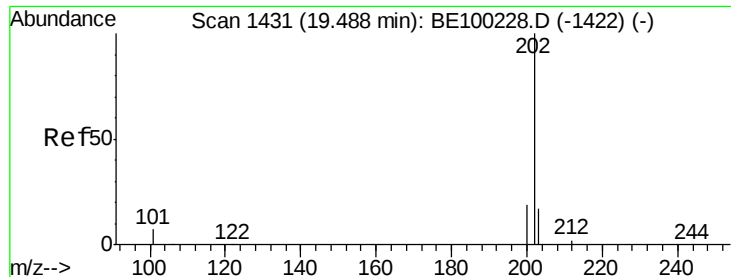
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.8	3.3	4.9#
236	30.9	22.6	34.0





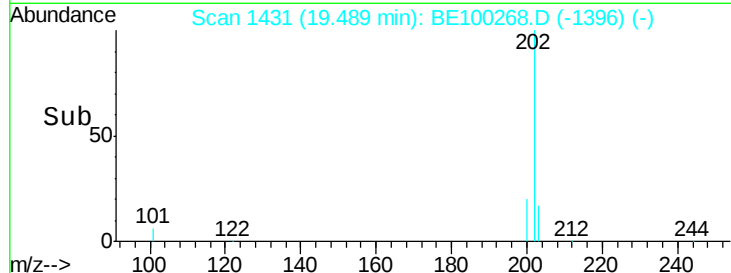
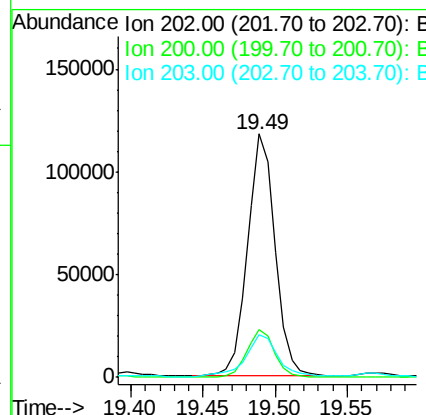
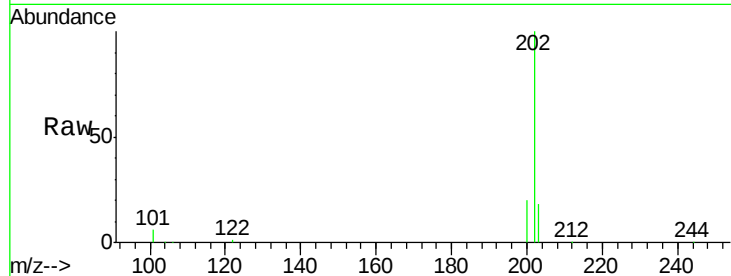
#28
Pvrene
Concen: 6.599 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.6	15.6	23.4	
203	20.4	14.0	21.0	

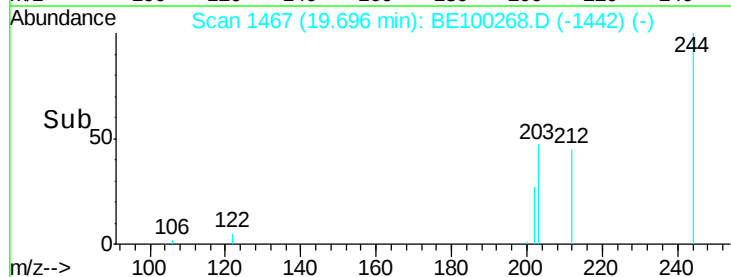
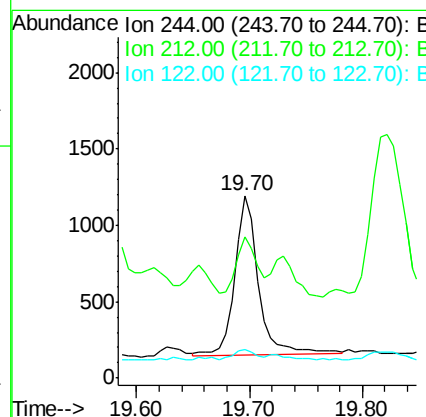
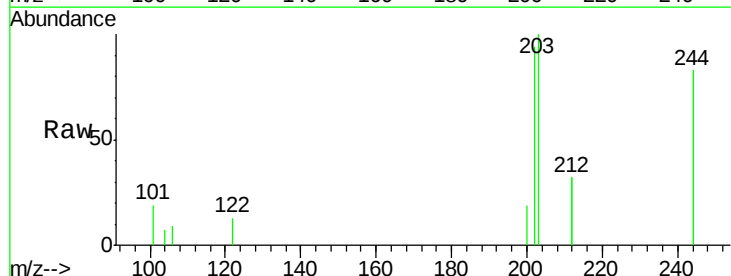
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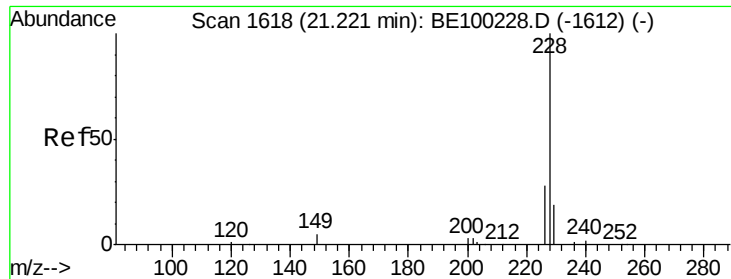
mohammad
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#29
Terphenyl-d14
Concen: 0.082 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	77.7	27.3	40.9#	
122	15.3	4.7	7.1#	





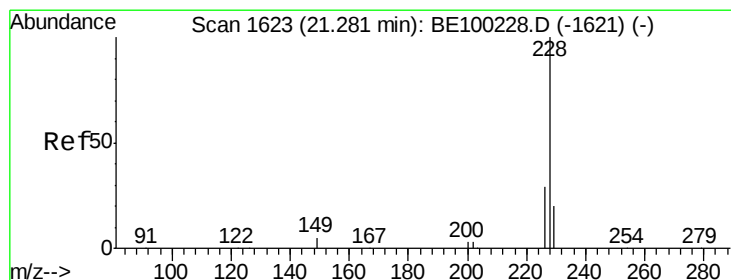
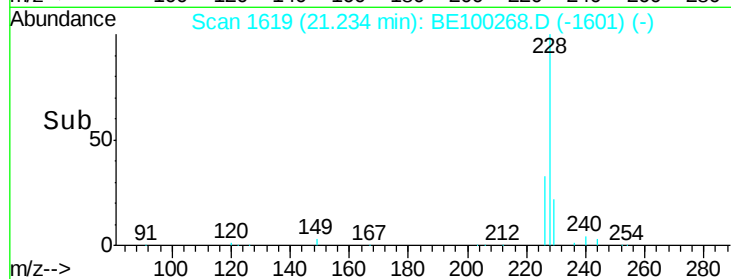
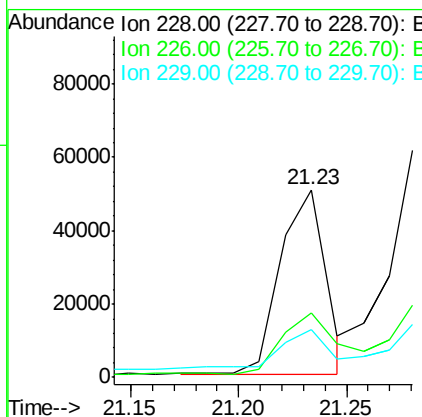
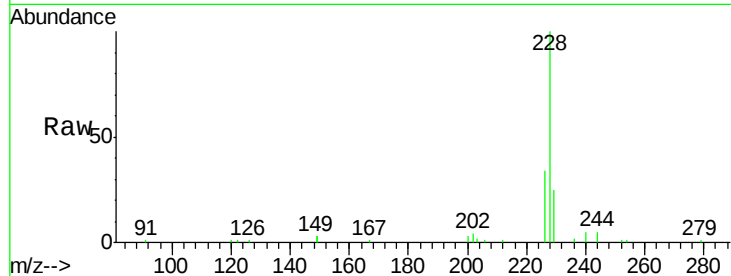
#30
Benzo(a)anthracene
Concen: 2.519 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.3	23.2	34.8
229	25.3	15.7	23.5

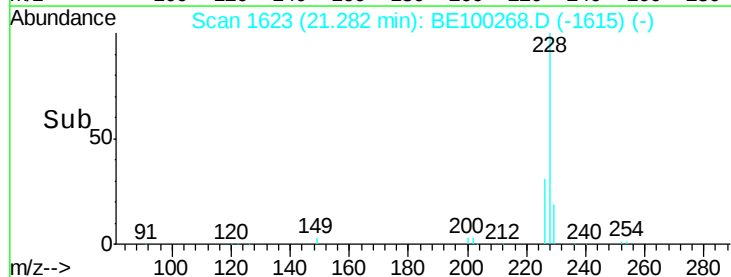
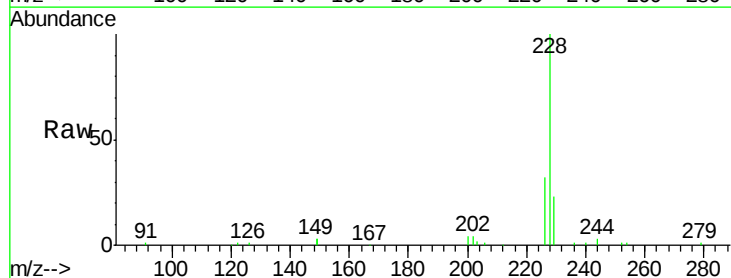
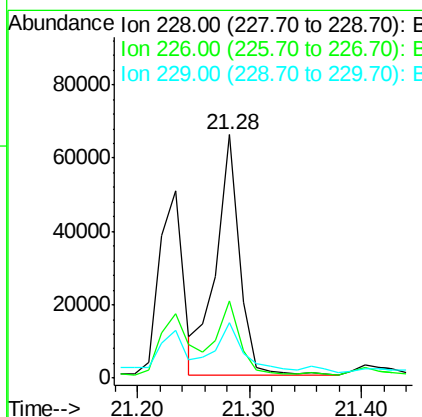
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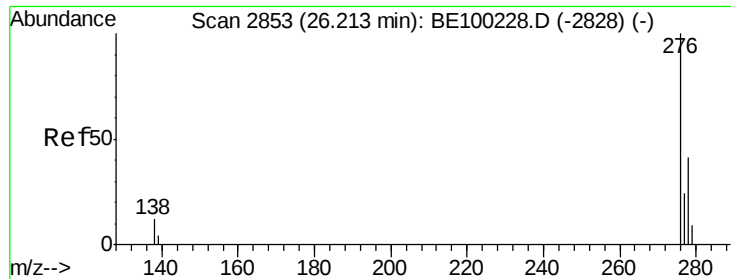
mohammad
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#31
Chrysene
Concen: 3.187 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.9	35.9
229	23.0	16.5	24.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.877 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

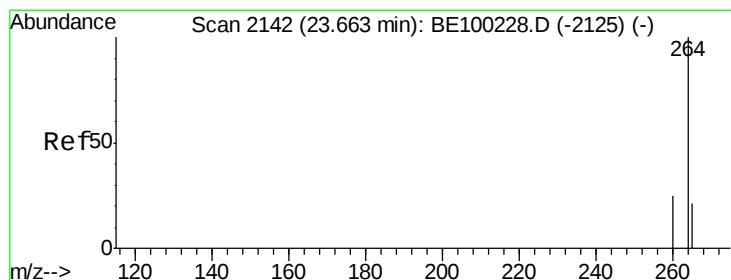
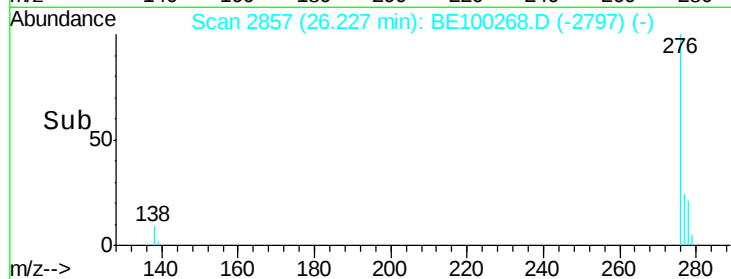
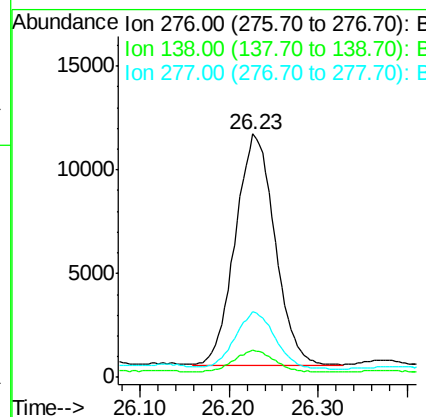
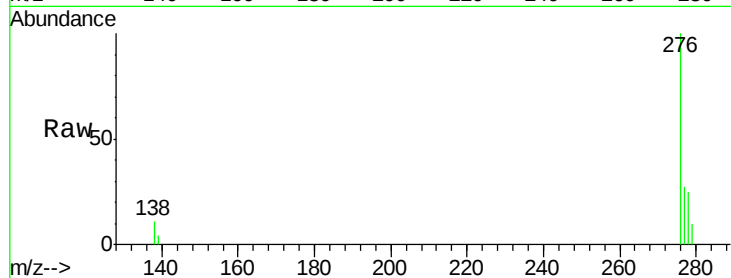
ClientSampleId :

PST-084-B041-061319DL

Tot Ion:	276	Resp:	34457
Ion Ratio	Lower	Upper	
276	100		
138	9.7	9.4	14.0
277	24.4	19.2	28.8

Manual Integrations
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#34

Perylene-d12

Concen: 0.400 ng

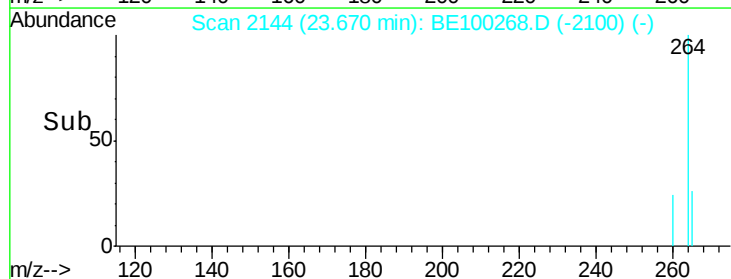
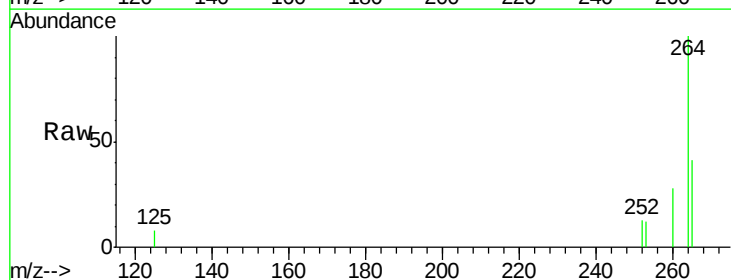
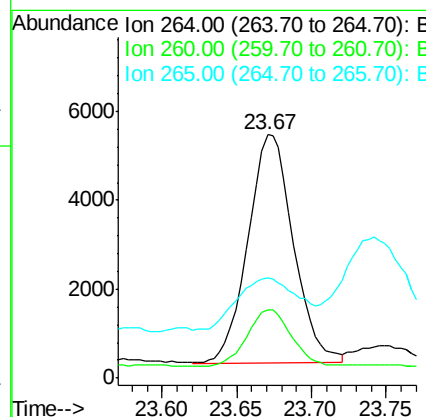
RT: 23.67 min Scan# 2144

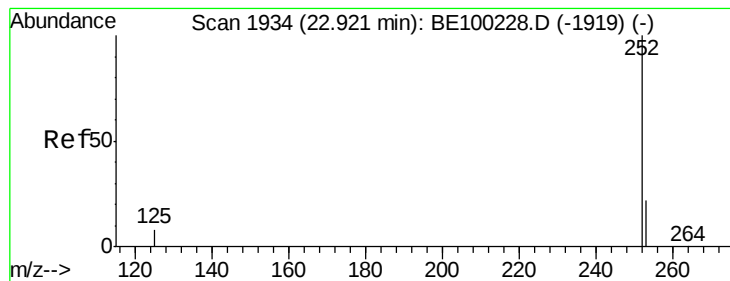
Delta R.T. 0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Tgt Ion:	264	Resp:	10836
Ion Ratio	Lower	Upper	
264	100		
260	27.9	20.8	31.2
265	41.2	21.8	32.6#





#35

Benzo(b)fluoranthene

Concen: 2.167 ng

RT: 22.93 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

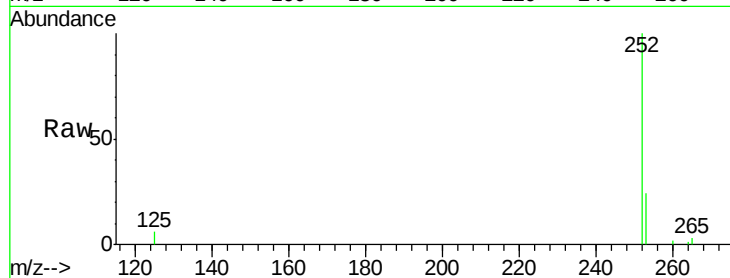
ClientSampleId :

PST-084-B041-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.2	28.8
125	6.1	7.4	11.0

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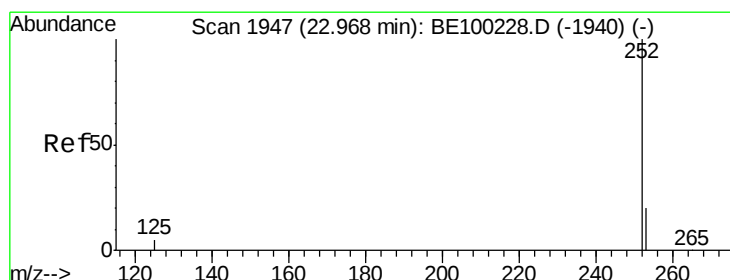
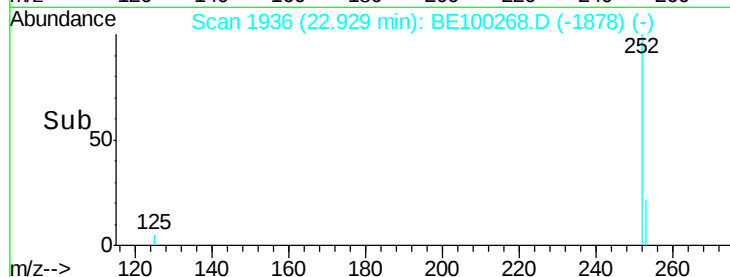
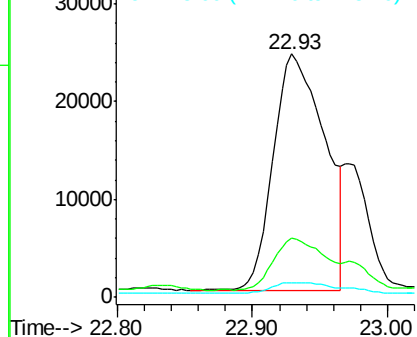


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.549 ng m

RT: 22.97 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE100268.D

Acq: 1 Jul 2019 16:41

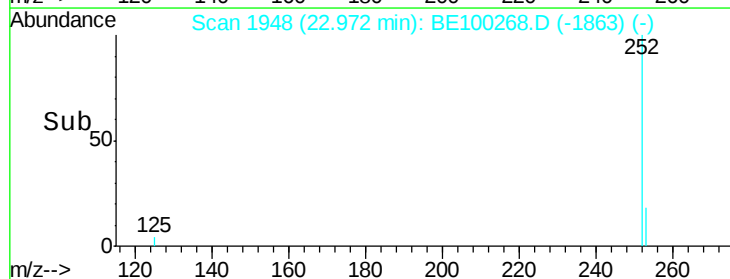
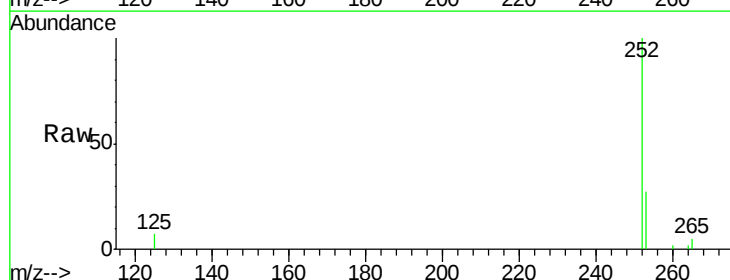
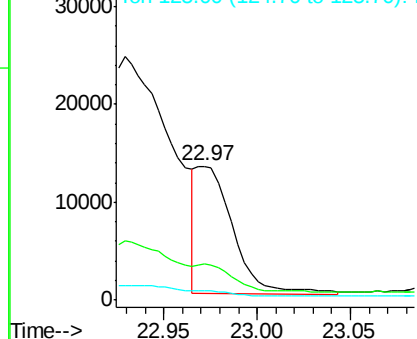
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	7.2	5.0	7.4

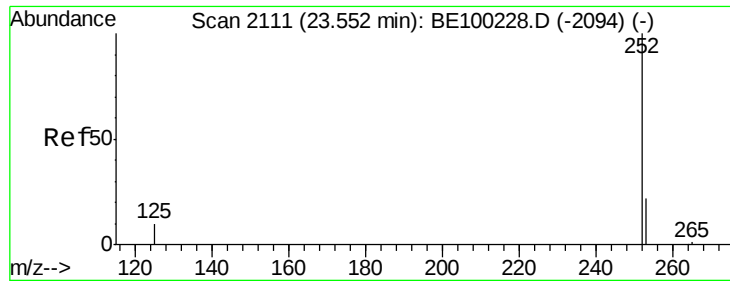
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





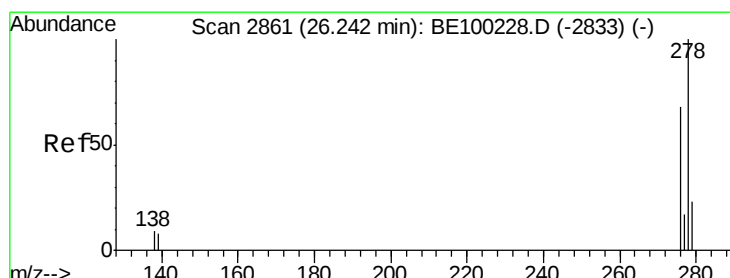
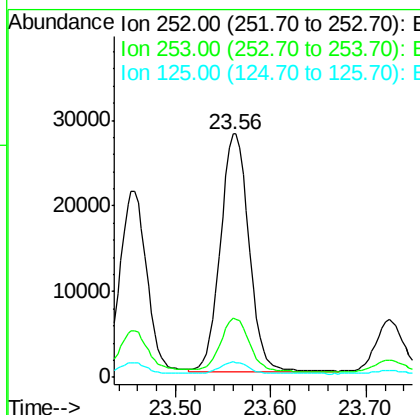
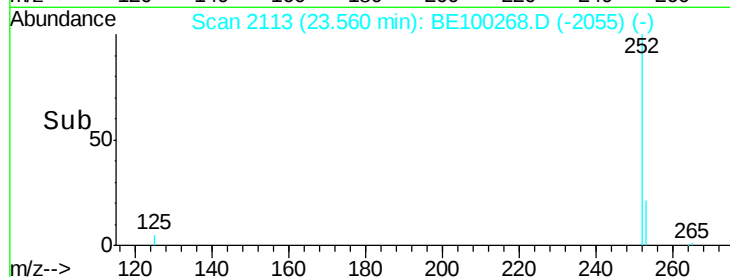
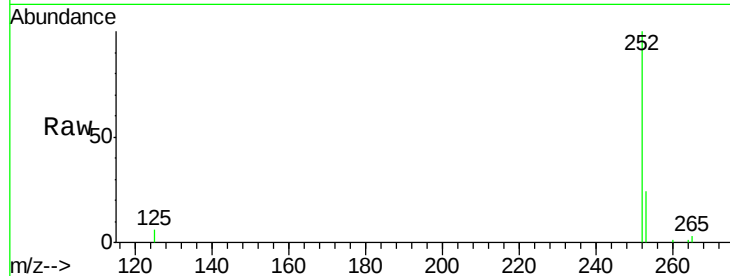
#37
Benzo(a)pyrene
Concen: 1.943 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Instrument :
BNA_E
ClientSampleId :
PST-084-B041-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.6	29.4
125	6.3	9.0	13.6

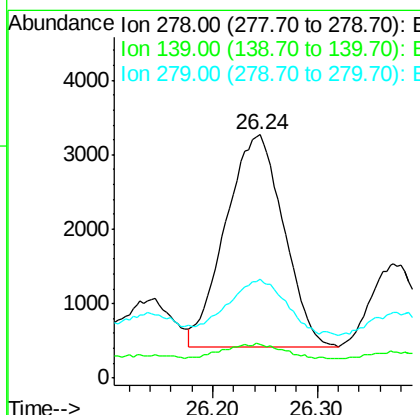
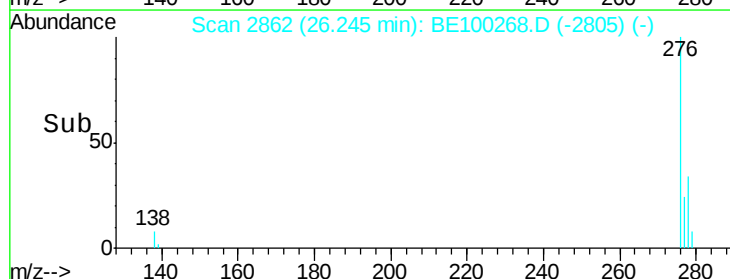
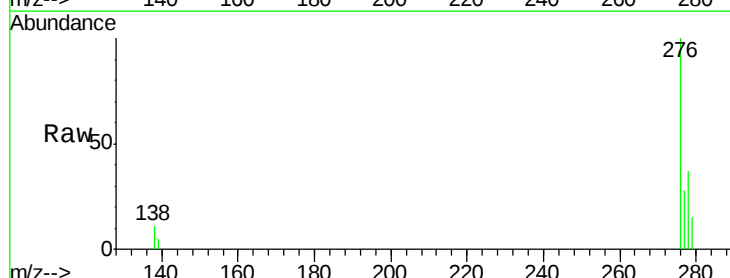
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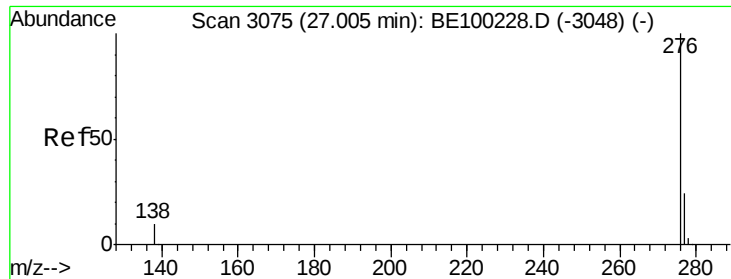
mohammad
7/3/2019 9:47:49 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 26.24 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE100268.D
Acq: 1 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	8.2	12.2
279	40.7	20.3	30.5





#39

Benzo(a,h,i)perylene

Concen: 1.332 ng

RT: 27.02 min Scan# 3080

Delta R.T. 0.02 min

Lab File: BE100268.D

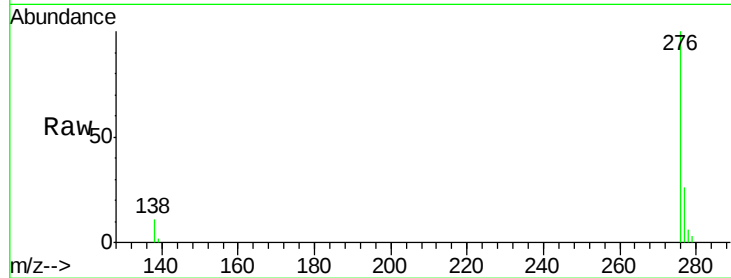
Acq: 1 Jul 2019 16:41

Instrument :

BNA_E

ClientSampleId :

PST-084-B041-061319DL



Tot Ion: 276 Resp: 42068

Ion Ratio Lower Upper

276 100

277 26.0 20.2 30.2

138 11.2 9.0 13.6

Manual Integrations

APPROVED

mohammad

7/3/2019 9:47:49 AM

