

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100253.D
 Acq On : 29 Jun 2019 2:16
 Operator : JU/SJ
 Sample : K3445-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B257-061819

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:07:53 PM

Quant Time: Jun 29 03:51:37 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	826	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3064	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2507	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7124	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9648	0.40	ng	0.00
34) Perylene-d12	23.67	264	11415	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	567	0.27	ng	0.00
5) Phenol-d6	6.82	99	831	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	898	0.29	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2112	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	523	0.30	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2385	0.24	ng	-0.01
25) Fluoranthene-d10	19.10	212	34840	0.34	ng	0.00
29) Terphenyl-d14	19.70	244	4444	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	10277	0.304	ng	99
12) 2-Methylnaphthalene	12.12	142	1367	0.231	ng	96
16) Acenaphthylene	14.04	152	7494	0.623	ng	99
17) Acenaphthene	14.38	154	6169	0.905	ng	98
18) Fluorene	15.35	166	9413	0.934	ng	99
23) Phenanthrene	17.09	178	172676	10.001	ng	100
24) Anthracene	17.19	178	37337	2.401	ng	# 93
26) Fluoranthene	19.13	202	352542	12.819	ng	99
28) Pyrene	19.49	202	327742	12.831	ng	# 95
30) Benzo(a)anthracene	21.23	228	225666	7.114	ng	98
31) Chrysene	21.28	228	184278	5.785	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	9866	0.162	ng	98
33) Indeno(1,2,3-cd)pyrene	26.23	276	122351	2.904	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	239312	7.733	ng	# 95
36) Benzo(k)fluoranthene	22.97	252	92980m	2.691	ng	
37) Benzo(a)pyrene	23.56	252	183774	5.925	ng	# 93
38) Dibenzo(a,h)anthracene	26.24	278	31926	0.986	ng	93
39) Benzo(a,h,i)perylene	27.03	276	117207	3.522	ng	98

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

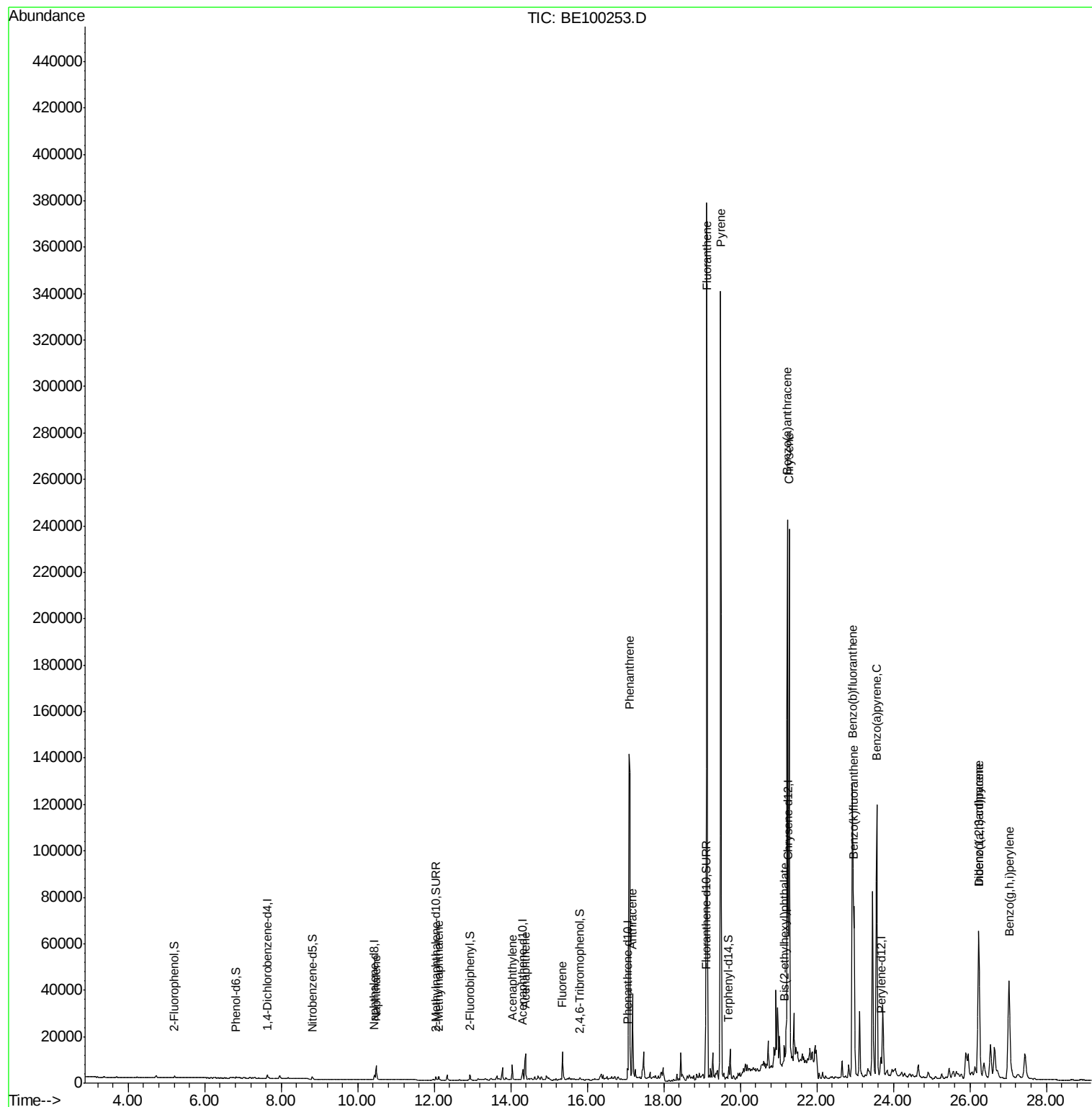
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100253.D
Acq On : 29 Jun 2019 2:16
Operator : JU/SJ
Sample : K3445-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

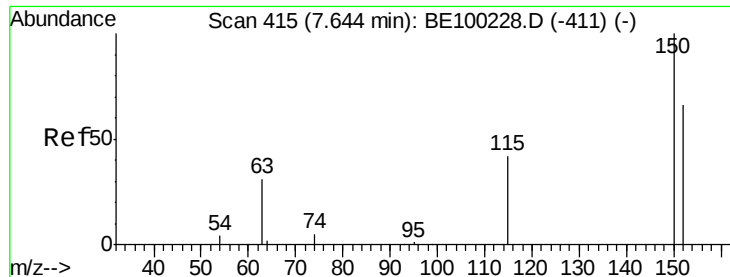
Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

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Quant Time: Jun 29 03:51:37 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

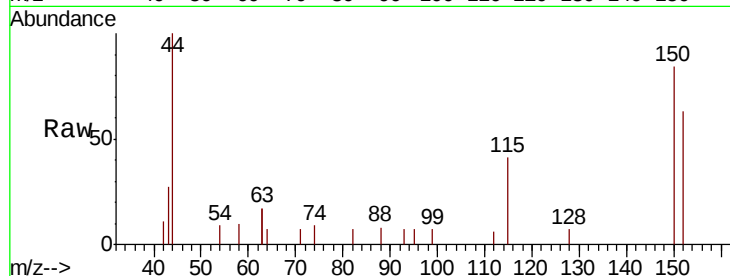
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.9	114.5	171.7
115	64.6	57.1	85.7

Manual Integrations
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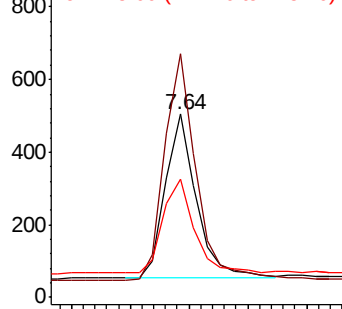


Abundance

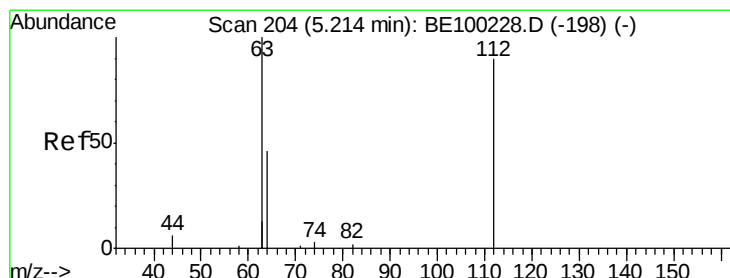
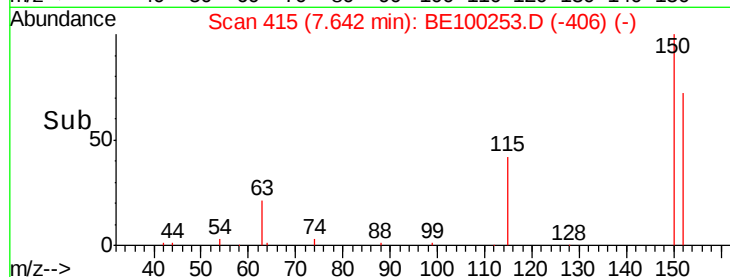
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



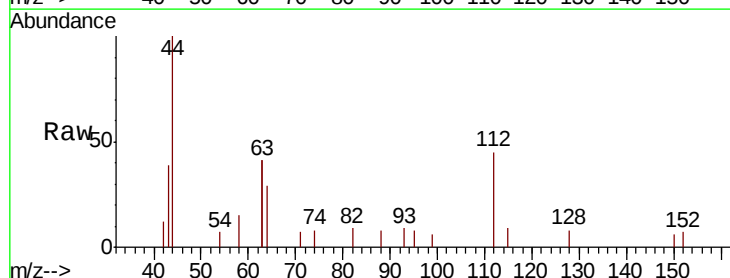
Time-->



#4

2-Fluorophenol
Concen: 0.269 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	39.4	59.0
63	145.5	104.5	156.7

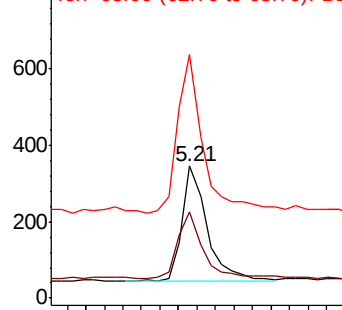


Abundance

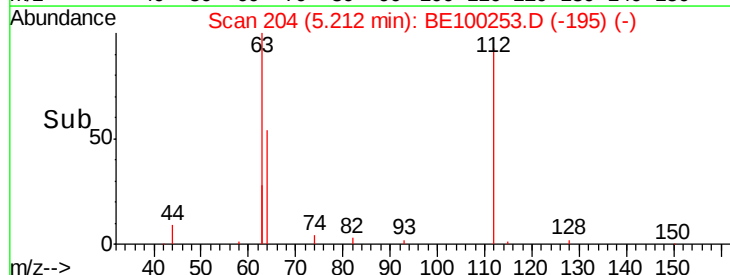
Ion 112.00 (111.70 to 112.70): E

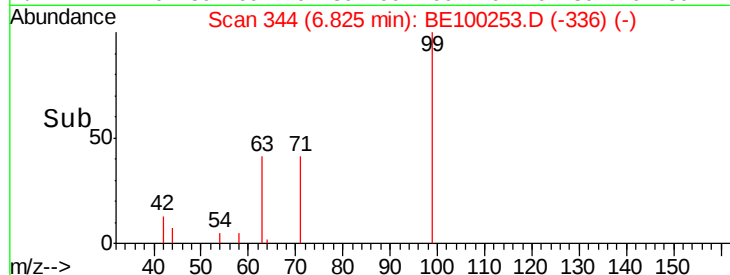
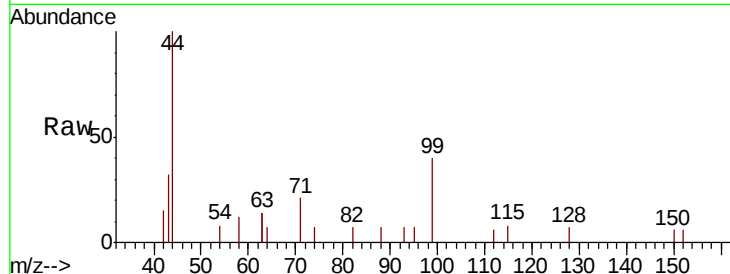
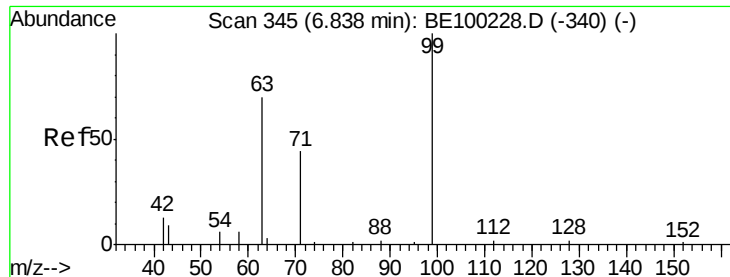
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





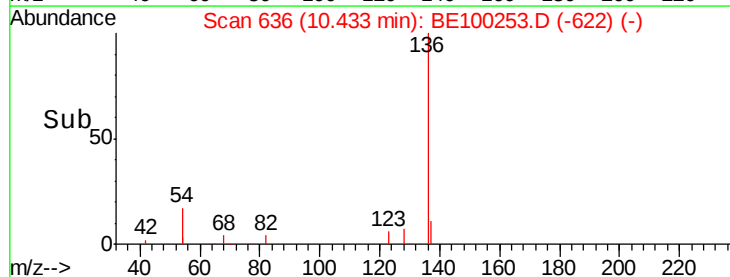
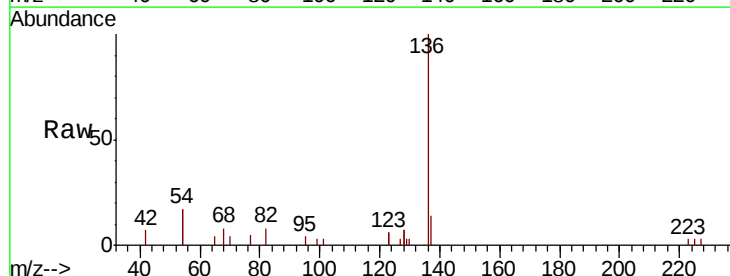
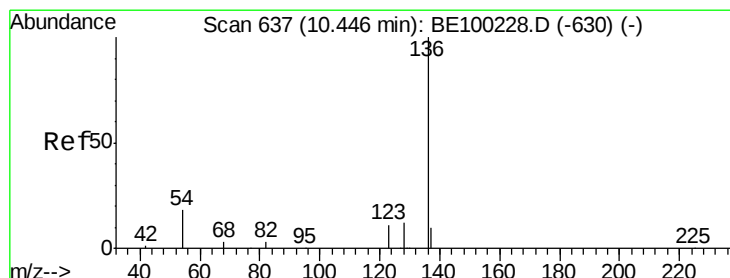
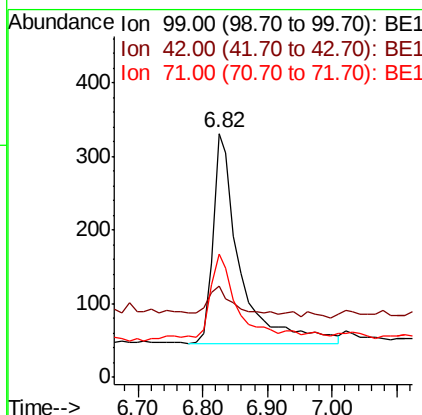
#5
Phenol-d6
Concen: 0.300 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
99	100		
42	11.7	11.2	16.8
71	36.2	37.2	55.8

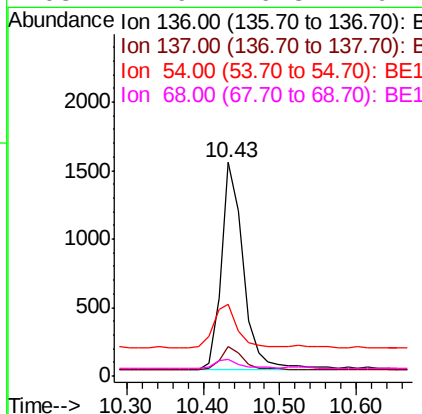
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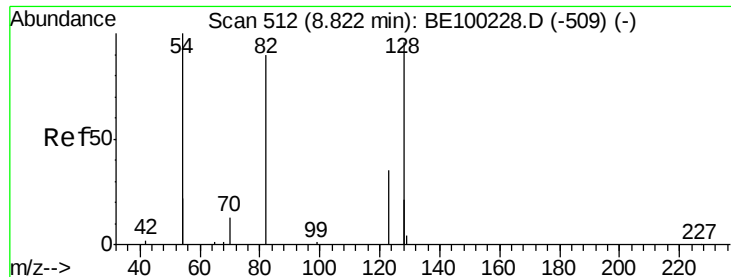
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.8	17.8
54	33.7	27.7	41.5
68	7.9	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.295 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Instrument :

BNA_E

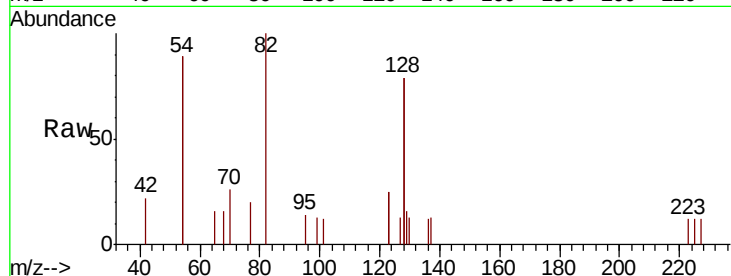
ClientSampleId :

PST-007-B257-061819

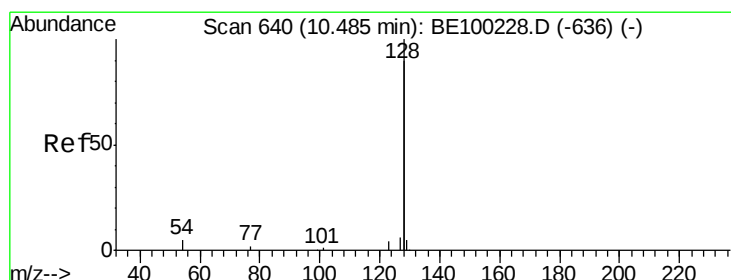
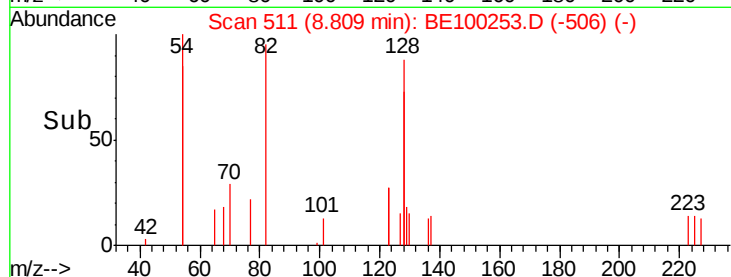
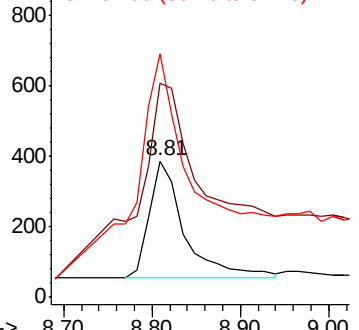
Tot Ion:	82	Resp:	898
Ion	Ratio	Lower	Upper
82	100		
128	157.6	140.9	211.3
54	178.8	146.2	219.2

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



#9

Naphthalene

Concen: 0.304 ng

RT: 10.48 min Scan# 640

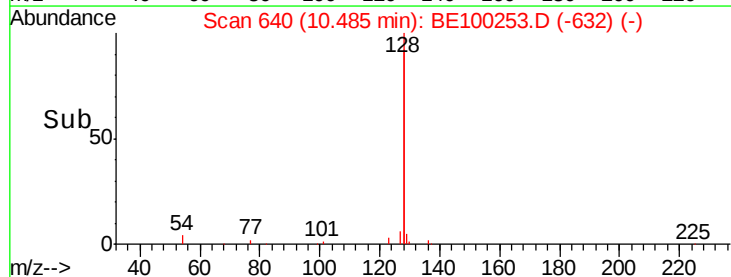
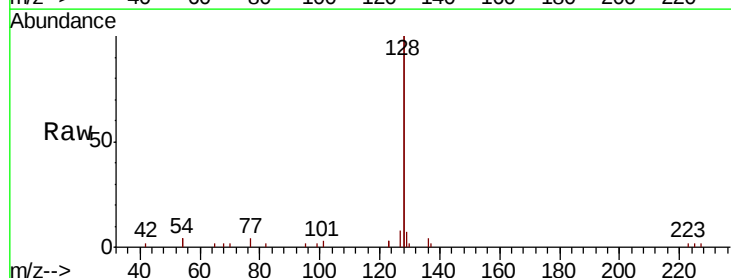
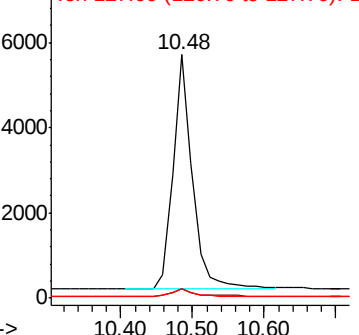
Delta R.T. 0.00 min

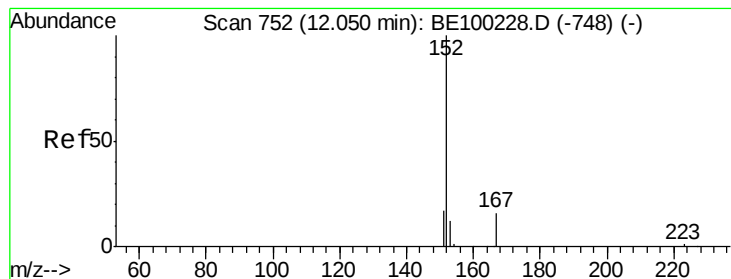
Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Tgt Ion:	128	Resp:	10277
Ion	Ratio	Lower	Upper
128	100		
129	3.6	3.0	4.6
127	4.0	3.5	5.3

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





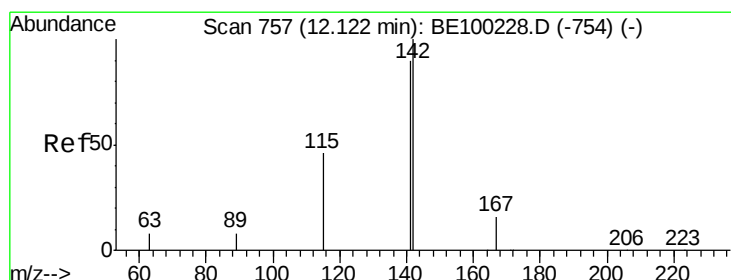
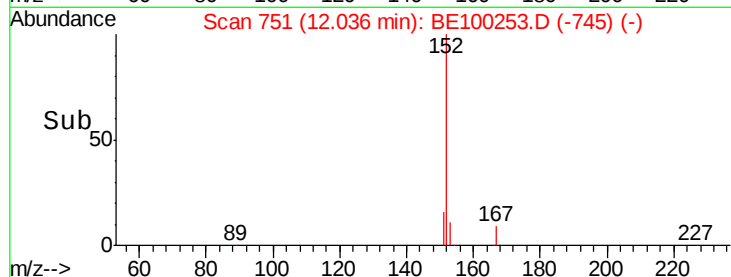
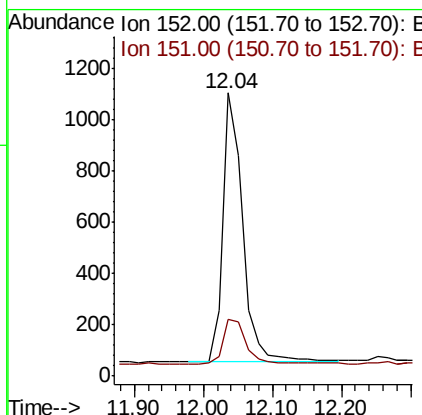
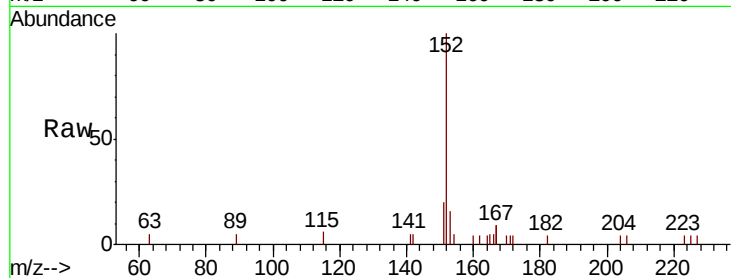
#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.1	22.7

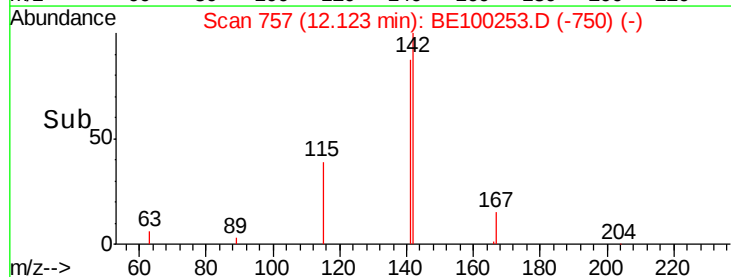
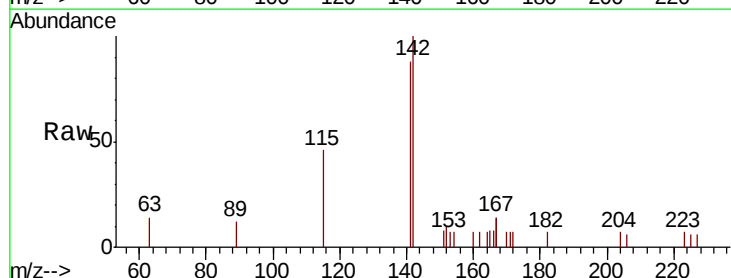
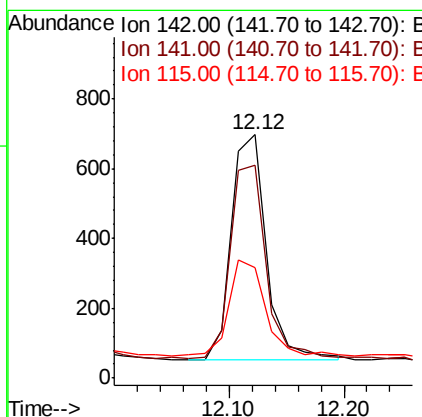
Manual Integrations
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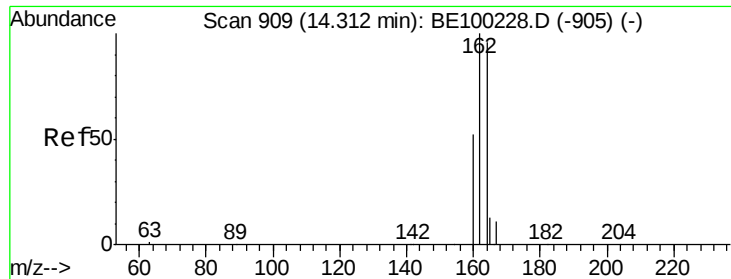
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#12
2-Methylnaphthalene
Concen: 0.231 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	72.4	108.6
115	45.6	40.4	60.6





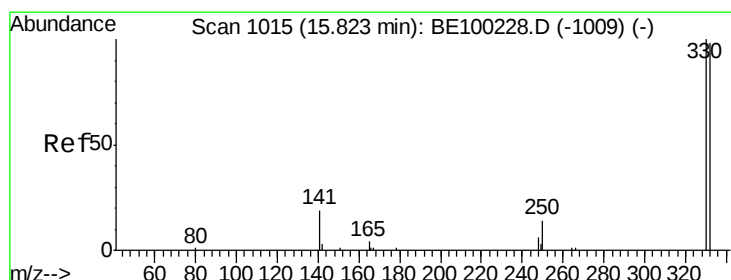
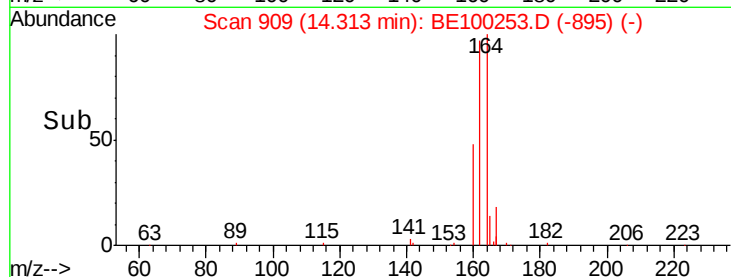
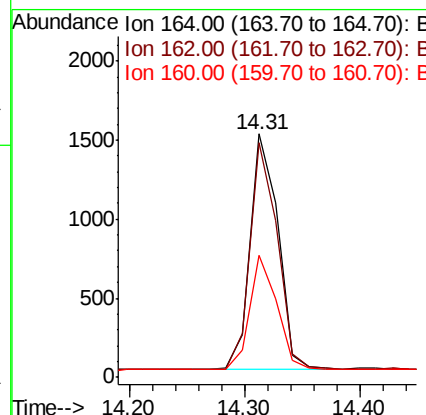
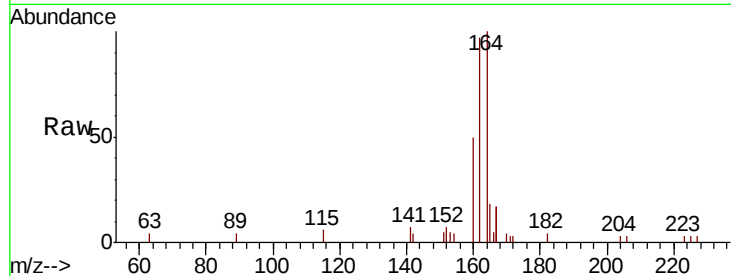
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.6	83.4	125.0
160	50.0	45.0	67.6

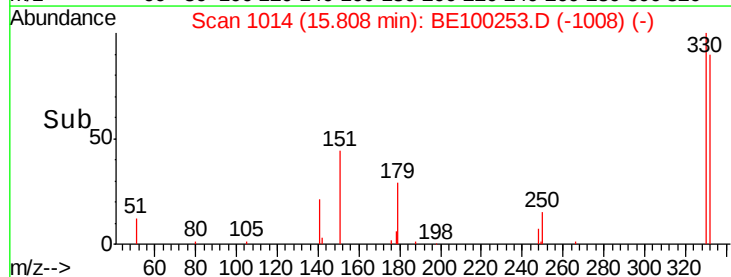
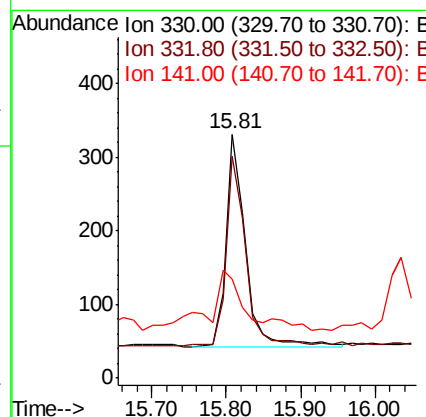
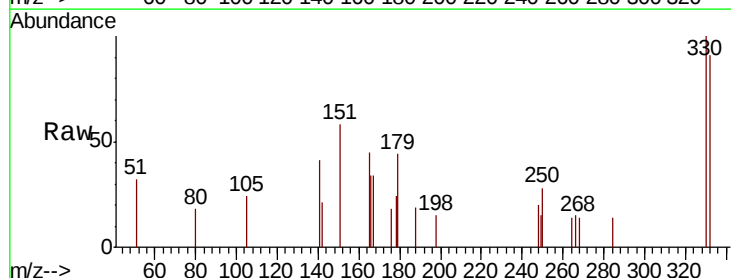
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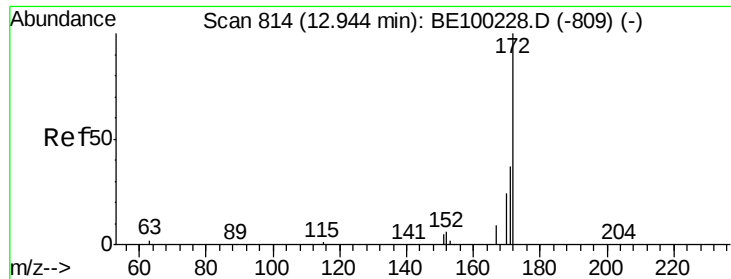
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#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	86.8	77.0	115.4
141	24.1	22.0	33.0





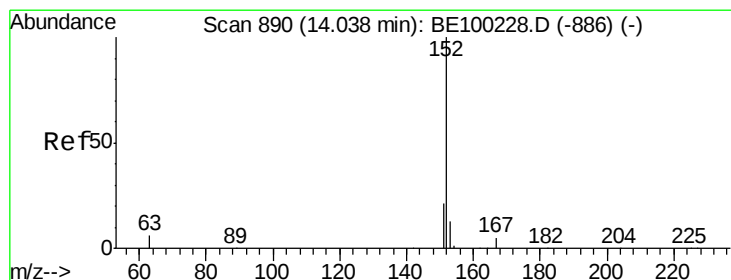
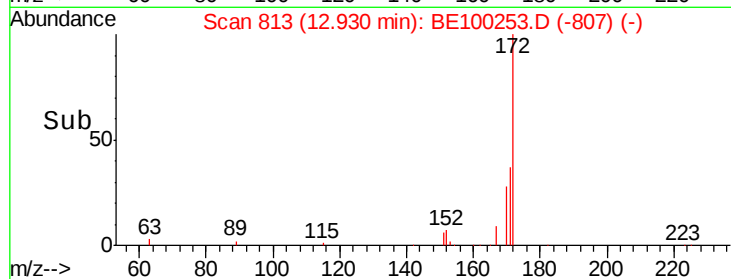
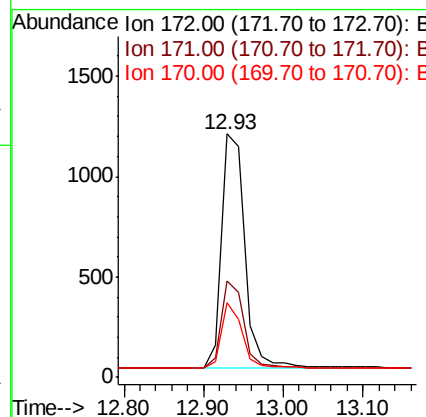
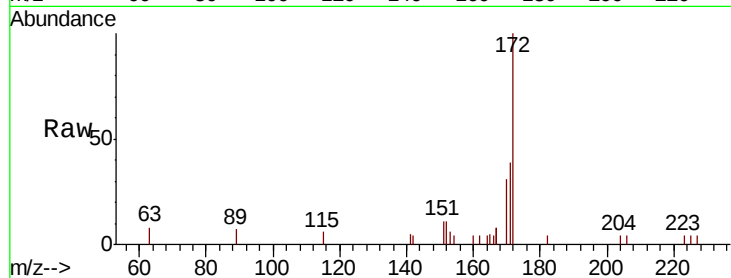
#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.5	31.9	47.9
170	30.7	22.2	33.2

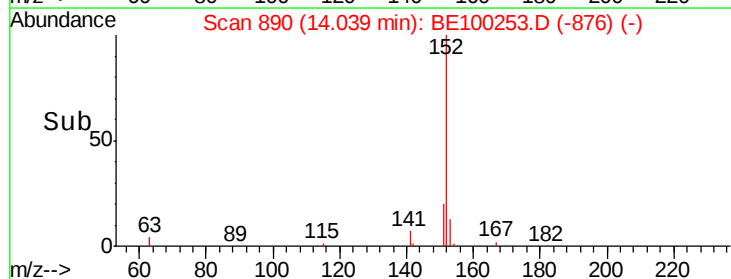
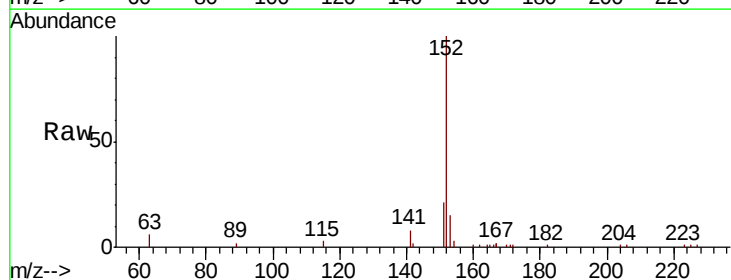
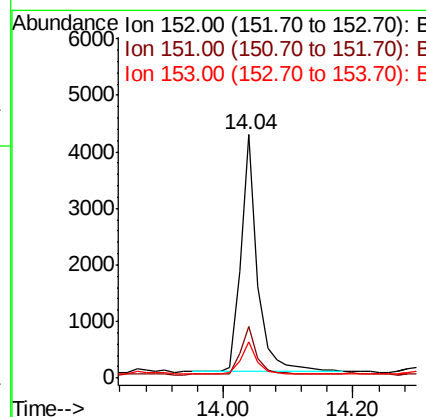
Manual Integrations
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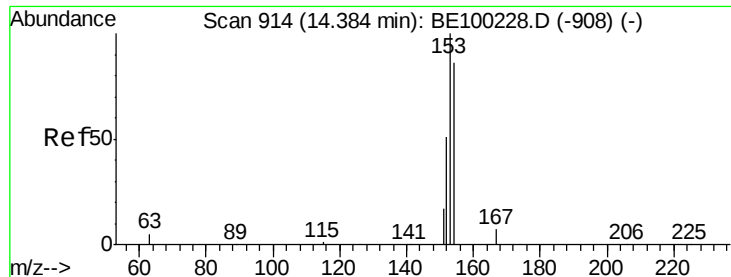
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#16
Acenaphthylene
Concen: 0.623 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	13.8	10.5	15.7





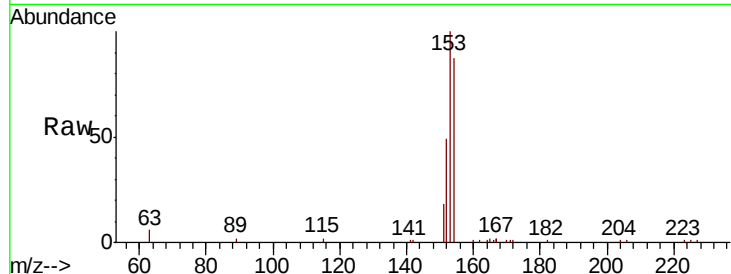
#17
Acenaphthene
Concen: 0.905 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.8	93.4	140.2
152	59.6	49.4	74.2

Manual Integrations
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7/1/2019 3:07:53 PM

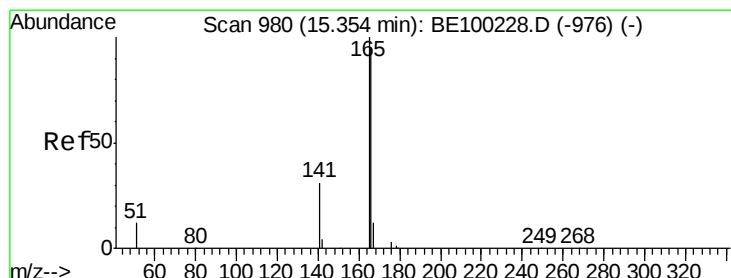
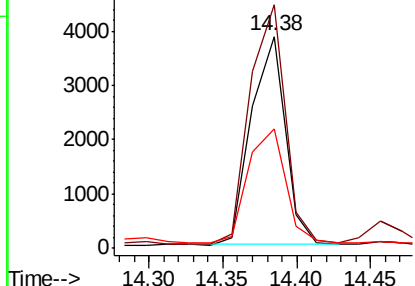
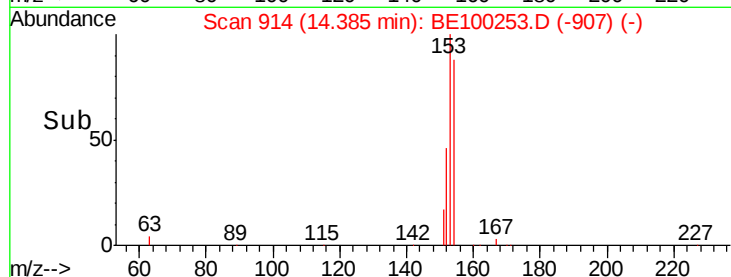


Abundance

Ion 154.00 (153.70 to 154.70): E

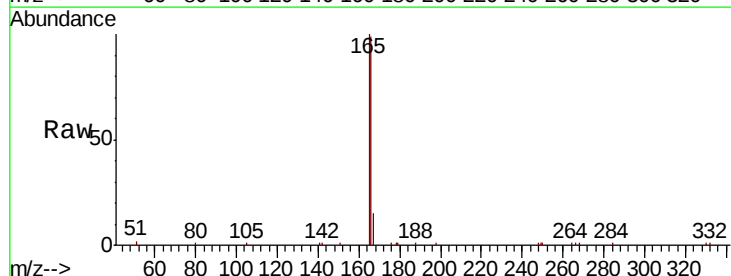
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.934 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.1	121.7
167	14.7	10.7	16.1

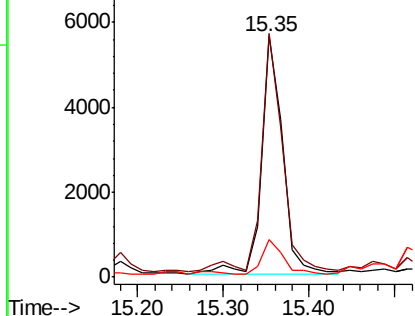
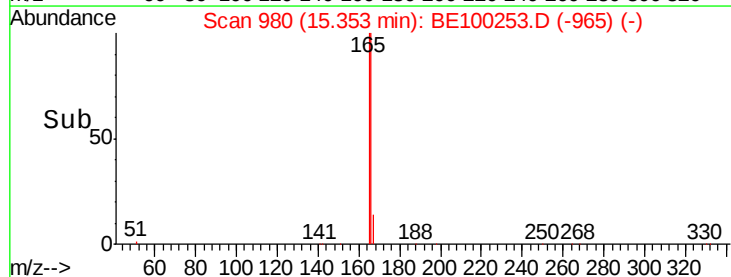


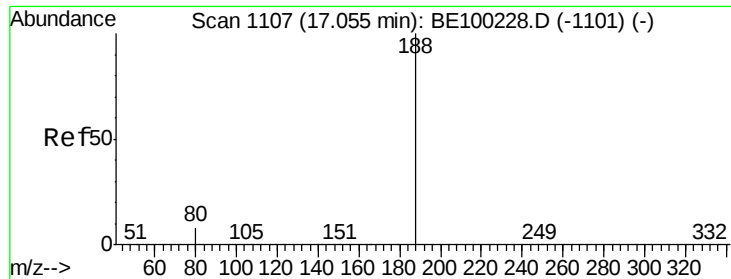
Abundance

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





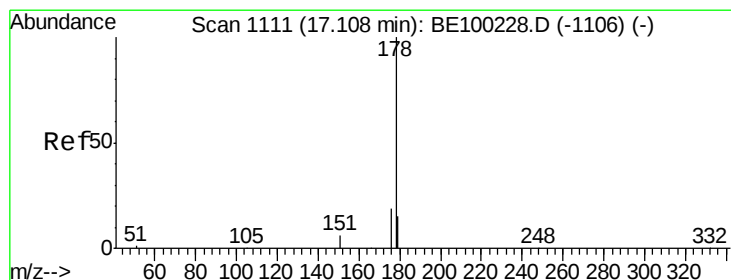
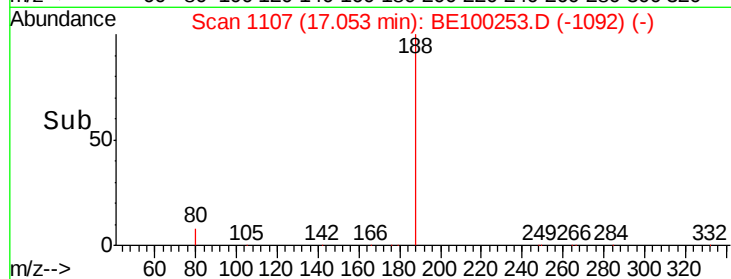
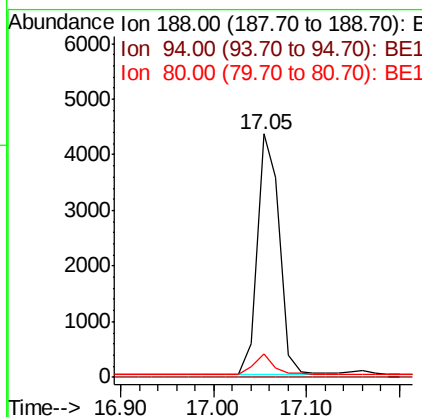
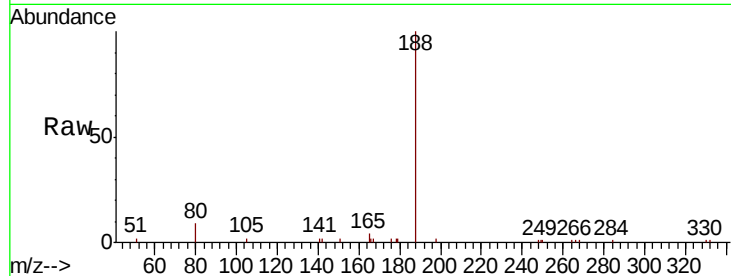
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion:	188	Resp:	7124
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.4	7.6	11.4

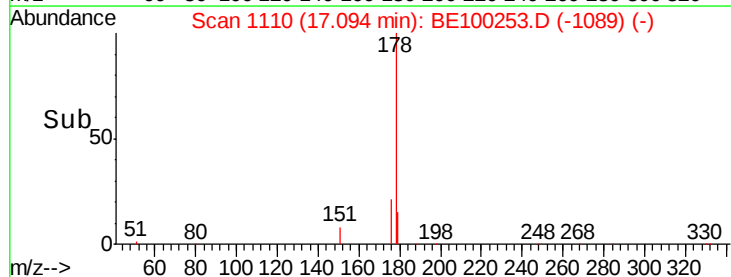
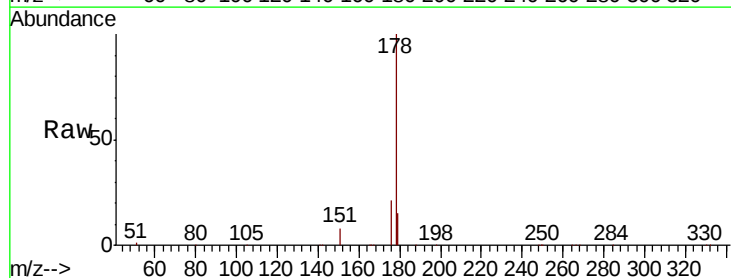
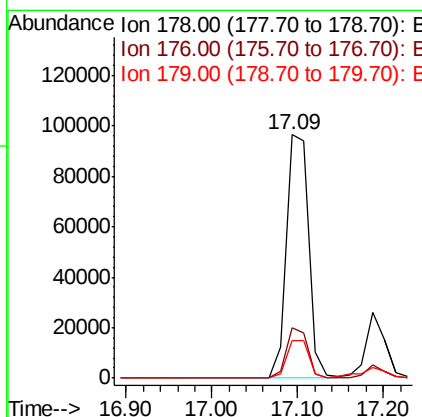
Manual Integrations
APPROVED

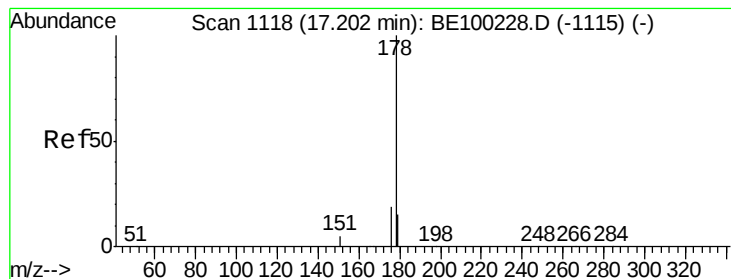
mohammad
7/1/2019 3:07:53 PM



#23
Phenanthrene
Concen: 10.001 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion:	178	Resp:	172676
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	15.5	12.2	18.2





#24

Anthracene

Concen: 2.401 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Instrument :

BNA_E

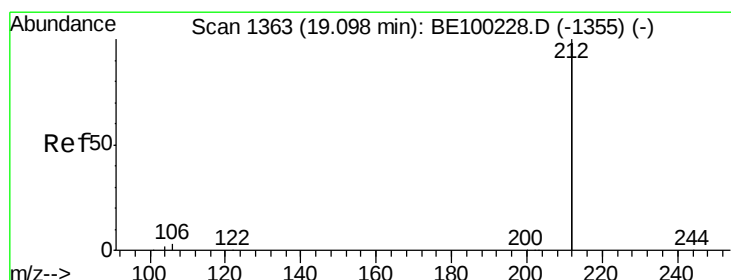
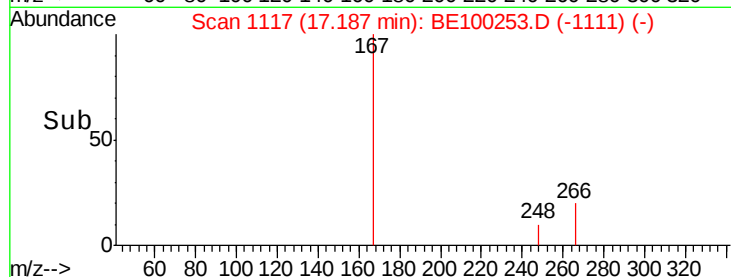
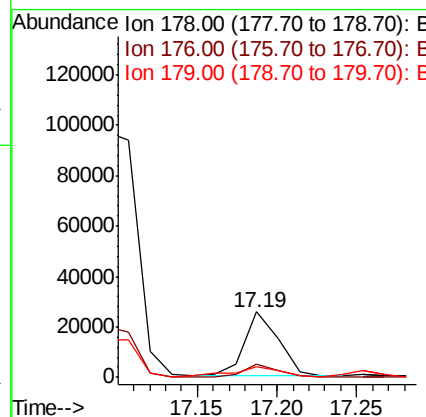
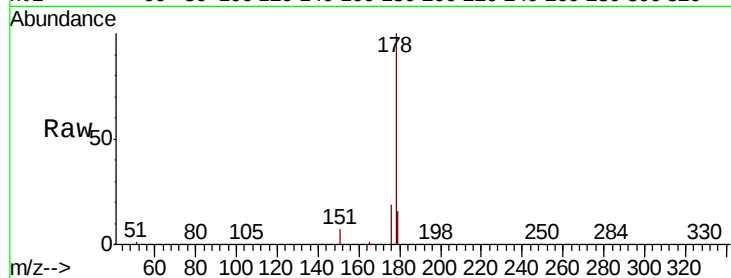
ClientSampleId :

PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	20.3	12.2	18.2

Manual Integrations
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7/1/2019 3:07:53 PM



#25

Fluoranthene-d10

Concen: 0.337 ng

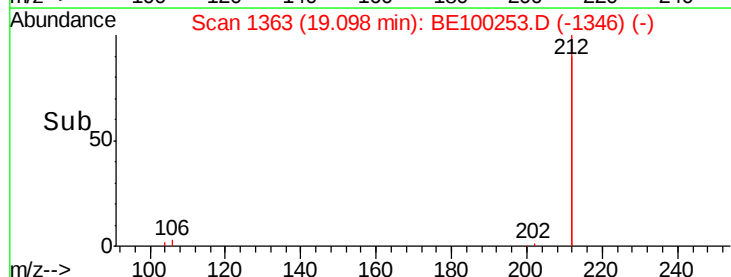
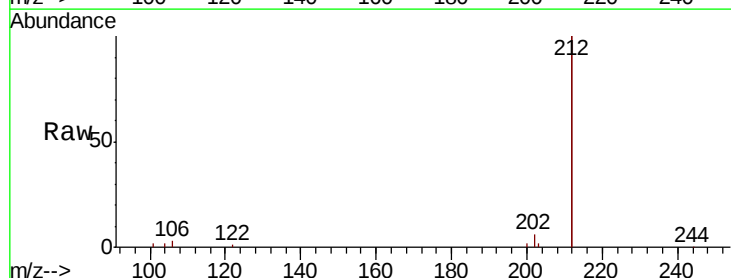
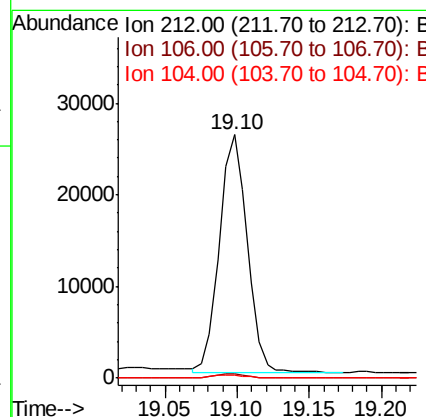
RT: 19.10 min Scan# 1363

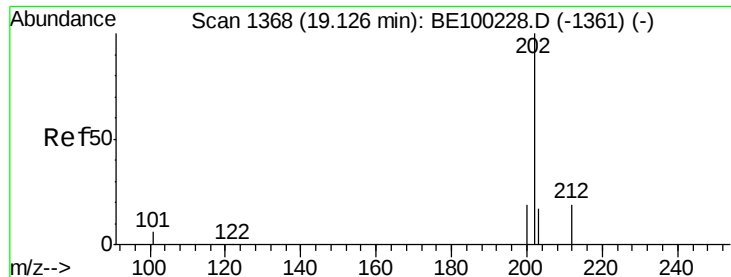
Delta R.T. 0.00 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.8	1.2





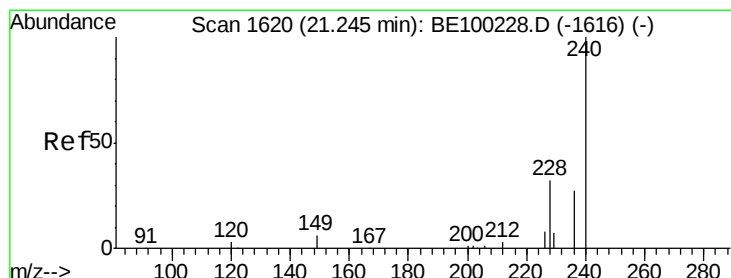
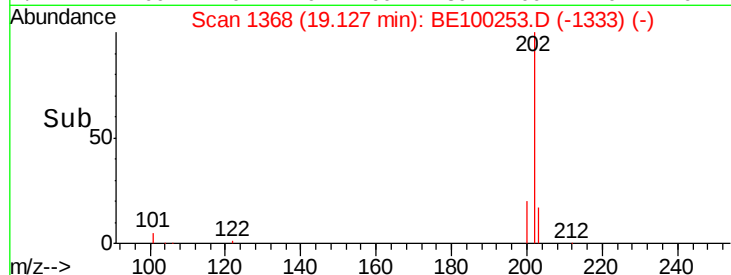
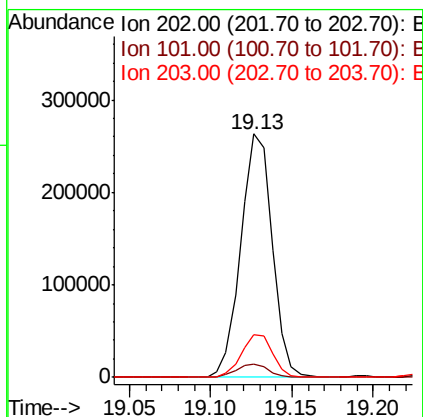
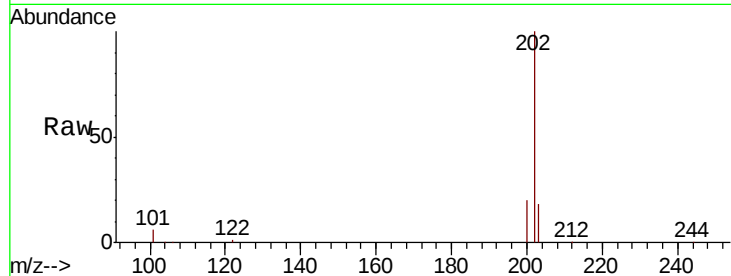
#26
Fluoranthene
Concen: 12.819 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	352542		
101	5.5		4.6	7.0
203	17.7		13.7	20.5

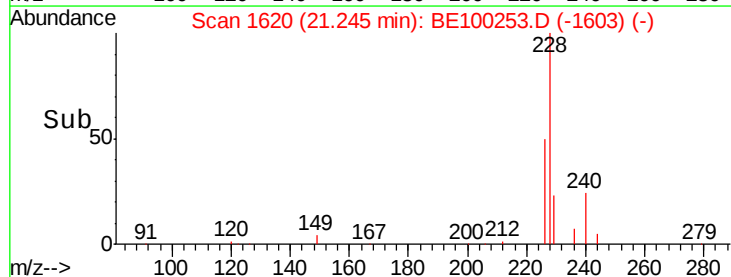
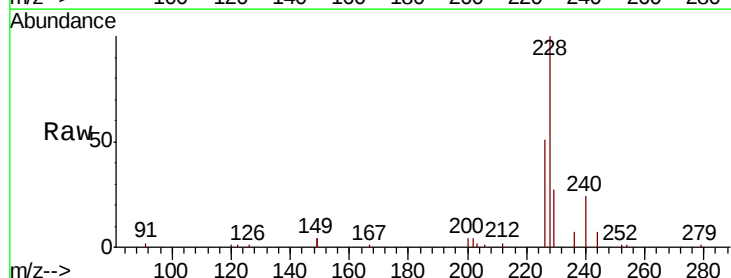
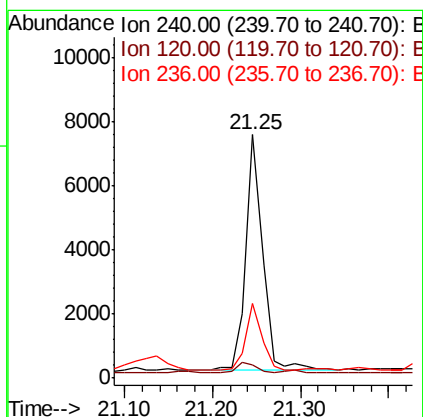
Manual Integrations
APPROVED

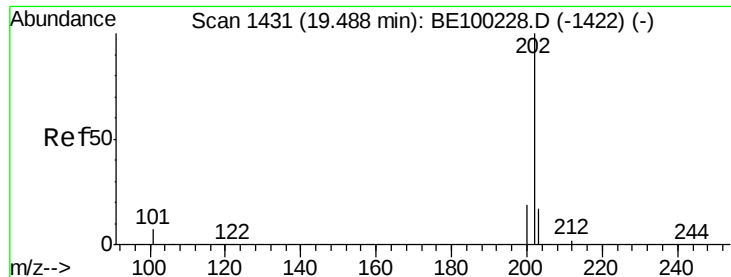
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	9648		
120	5.5		3.3	4.9#
236	30.6		22.6	34.0





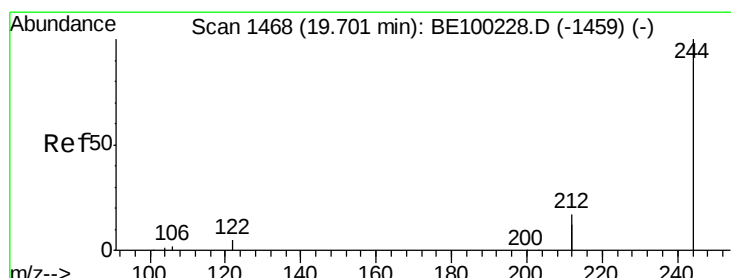
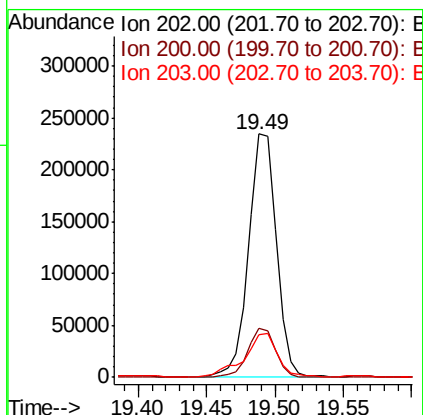
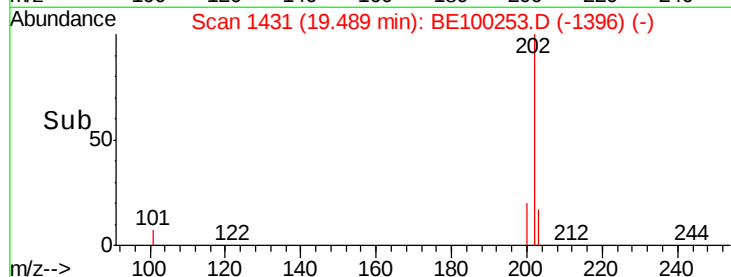
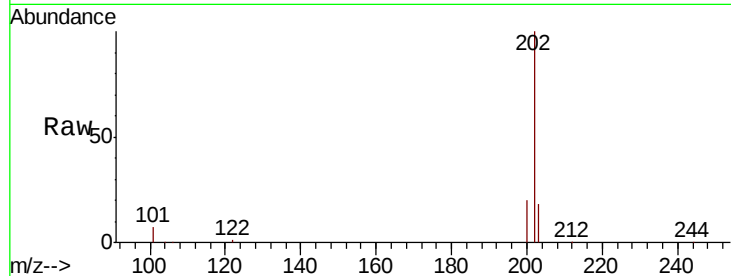
#28
Pvrene
Concen: 12.831 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.6	14.0	21.0

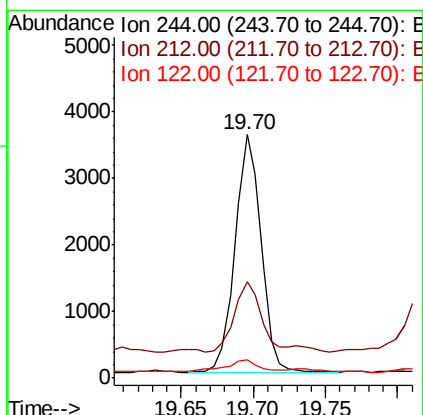
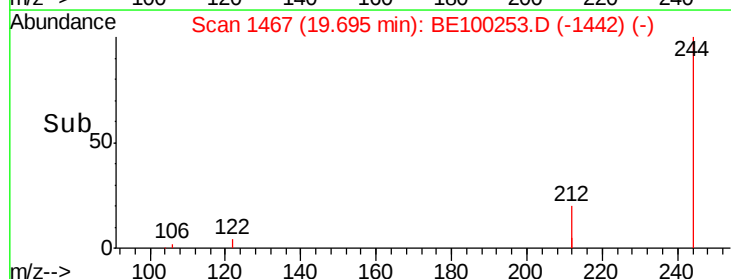
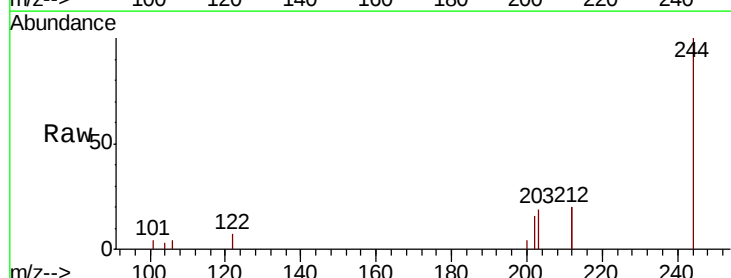
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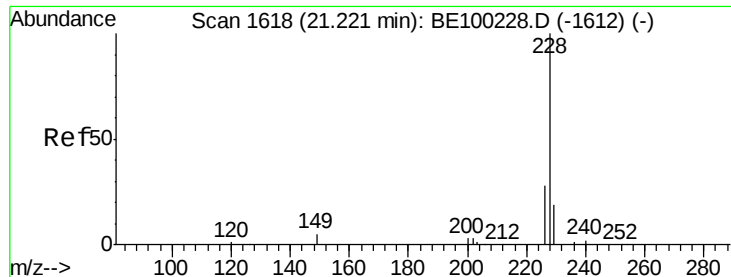
mohammad
7/1/2019 3:07:53 PM



#29
Terphenyl-d14
Concen: 0.222 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	39.4	27.3	40.9
122	7.4	4.7	7.1





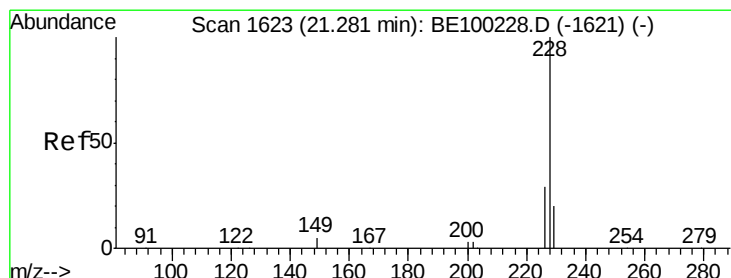
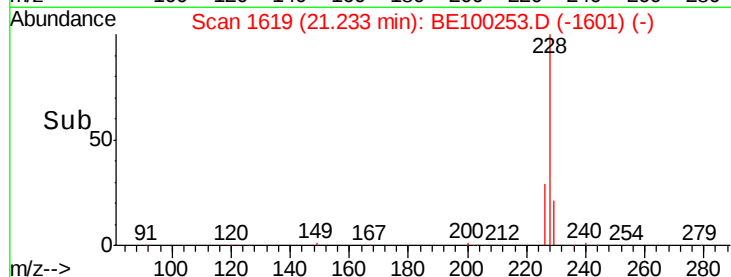
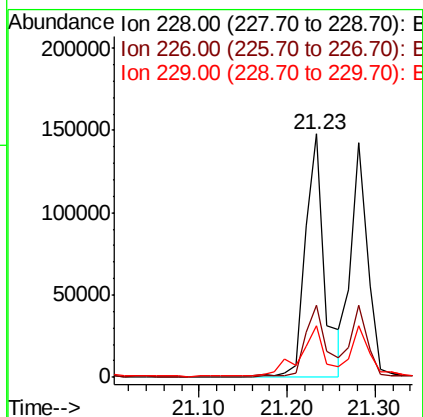
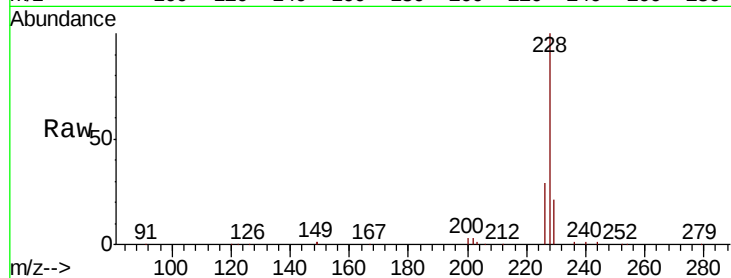
#30
Benzo(a)anthracene
Concen: 7.114 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	21.4	15.7	23.5

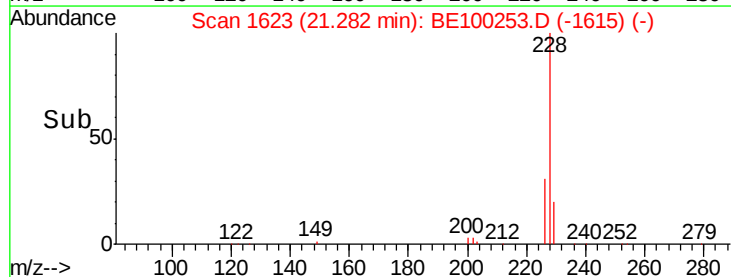
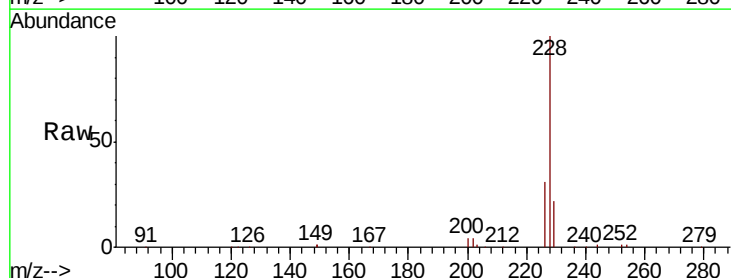
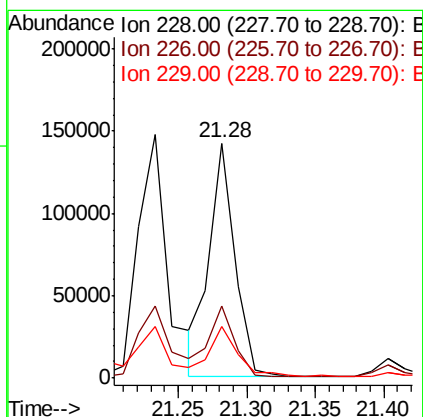
Manual Integrations
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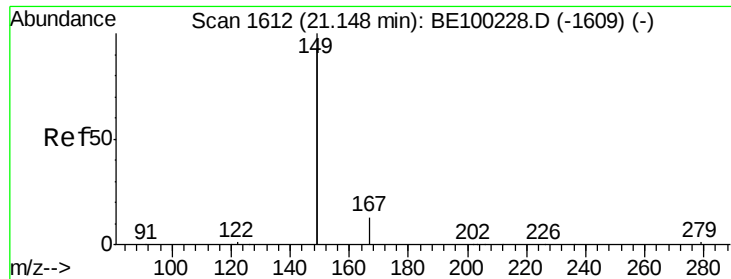
mohammad
7/1/2019 3:07:53 PM



#31
Chrysene
Concen: 5.785 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	22.1	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.162 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Instrument :

BNA_E

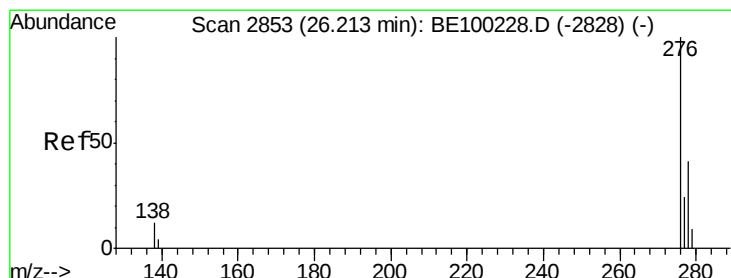
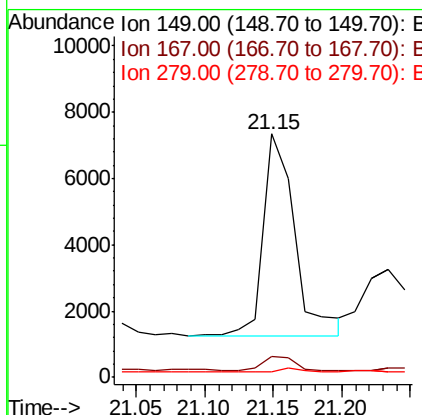
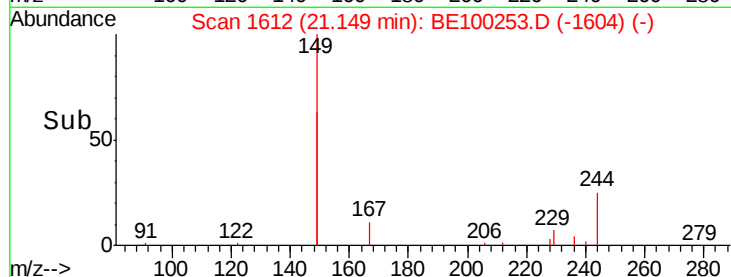
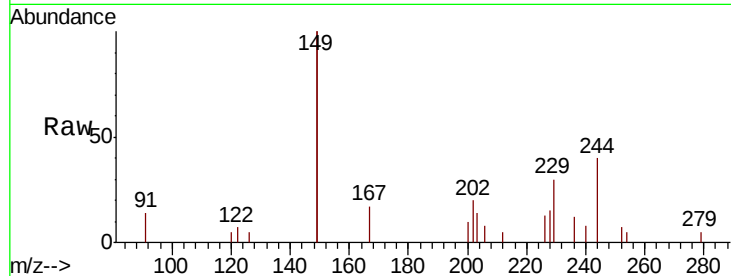
ClientSampleId :

PST-007-B257-061819

Tot Ion:	149	Resp:	9866
Ion Ratio	Lower	Upper	
149	100		
167	6.5	5.8	8.8
279	1.5	1.1	1.7

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 2.904 ng

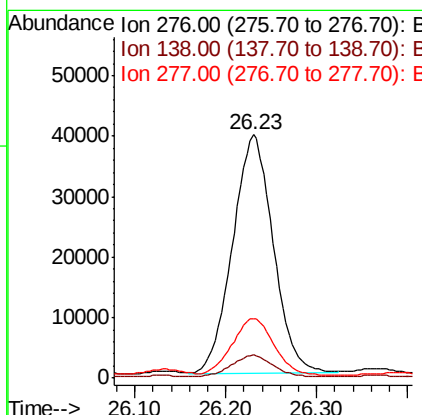
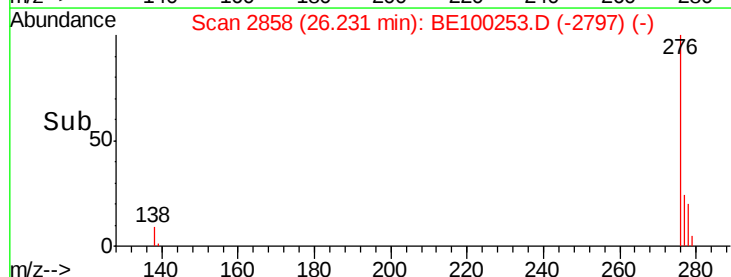
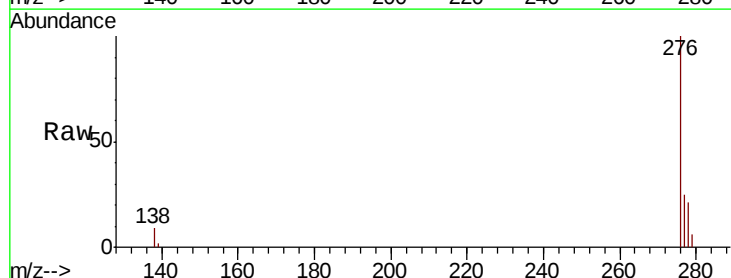
RT: 26.23 min Scan# 2858

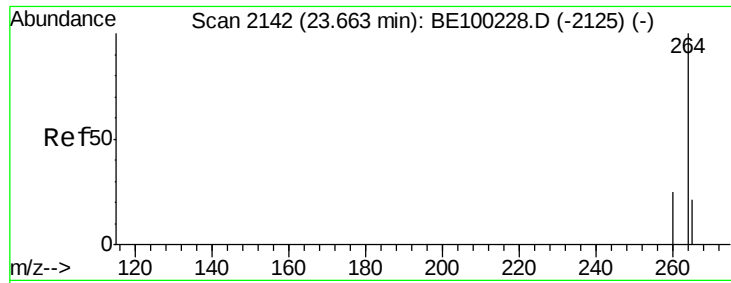
Delta R.T. 0.02 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

Tgt Ion:	276	Resp:	122351
Ion Ratio	Lower	Upper	
276	100		
138	9.0	9.4	14.0#
277	24.4	19.2	28.8





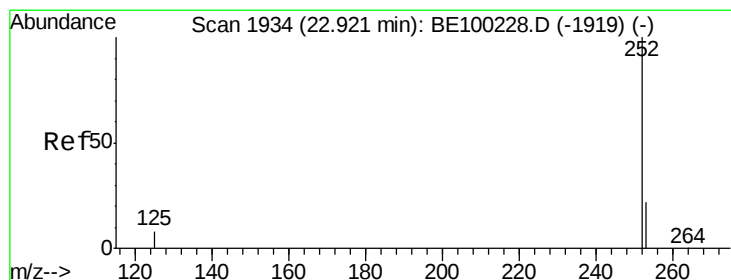
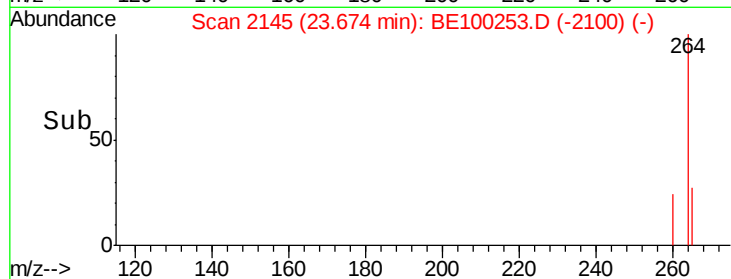
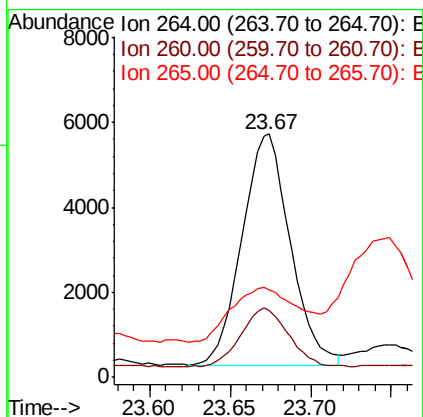
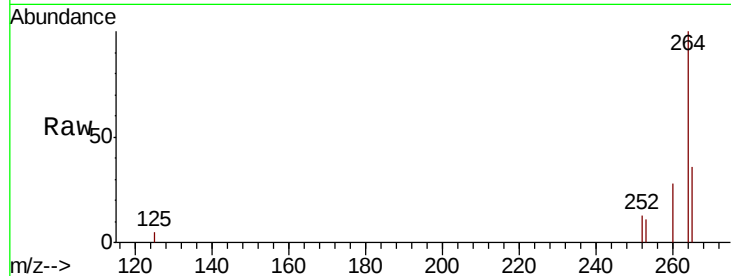
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.8	31.2
265	36.2	21.8	32.6

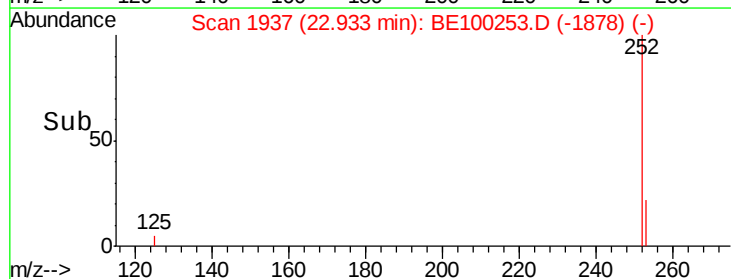
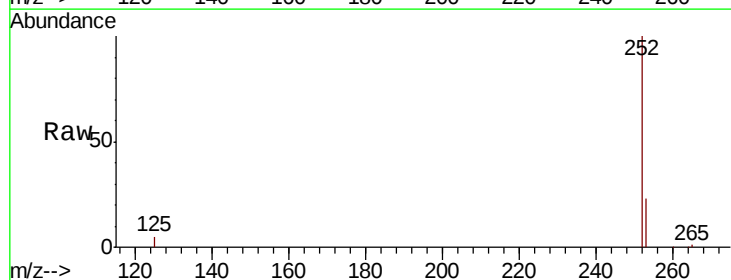
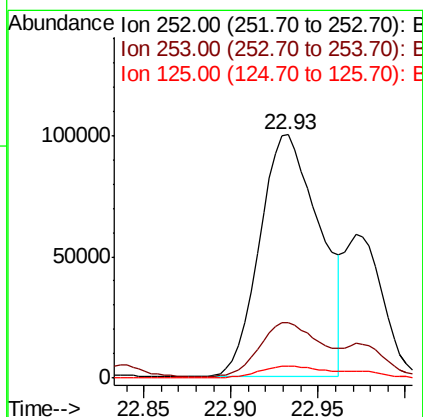
Manual Integrations
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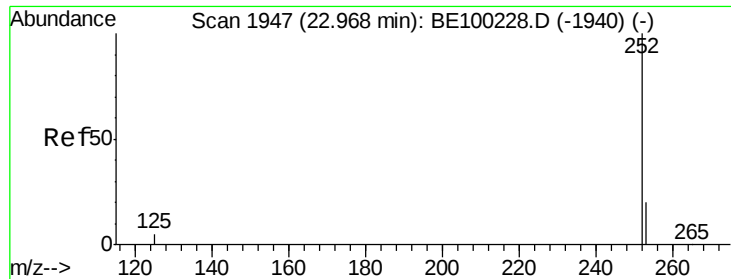
mohammad
7/1/2019 3:07:53 PM



#35
Benzo(b)fluoranthene
Concen: 7.733 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.2	28.8
125	4.8	7.4	11.0





#36

Benzo(k)fluoranthene

Concen: 2.691 ng

RT: 22.97 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

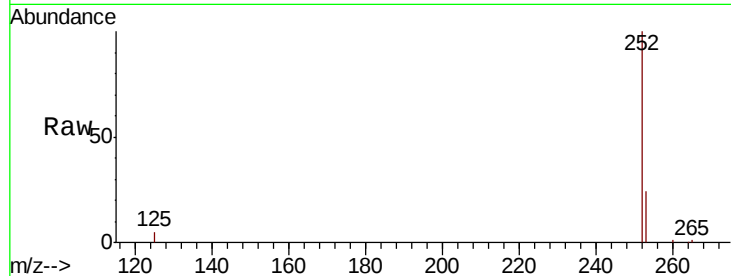
Instrument :
BNA_E

ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	4.9	5.0	7.4

Manual Integrations
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7/1/2019 3:07:53 PM

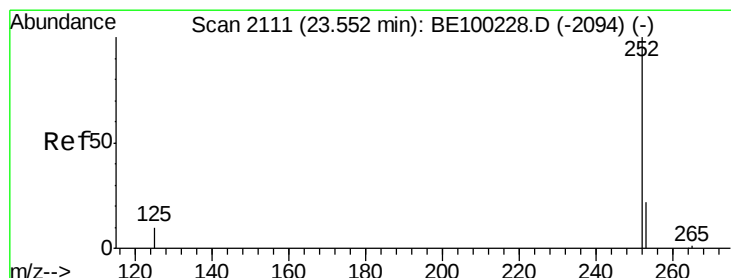
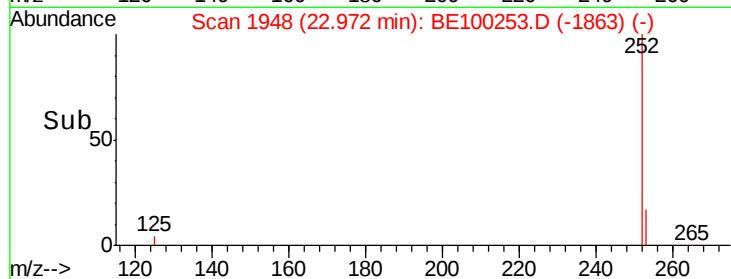
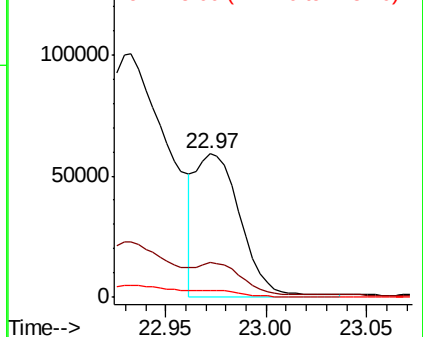


Abundance

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: 5.925 ng

RT: 23.56 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BE100253.D

Acq: 29 Jun 2019 2:16

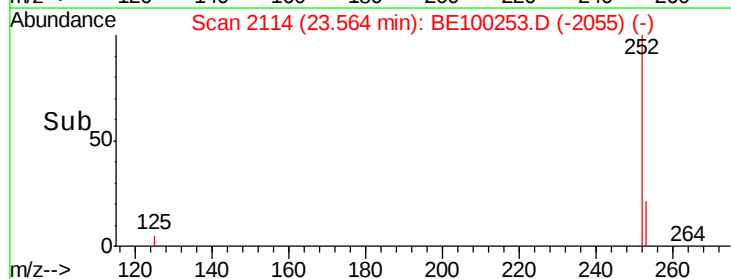
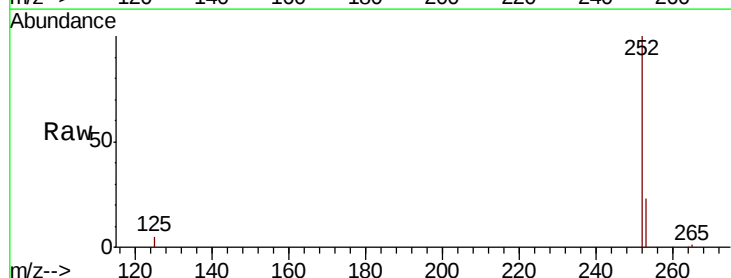
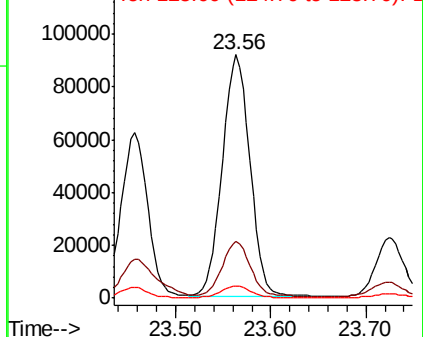
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.6	29.4
125	5.1	9.0	13.6

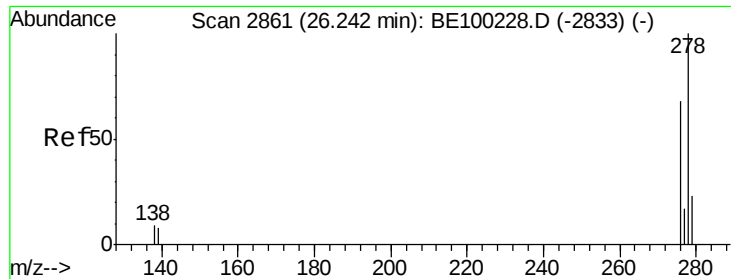
Abundance

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





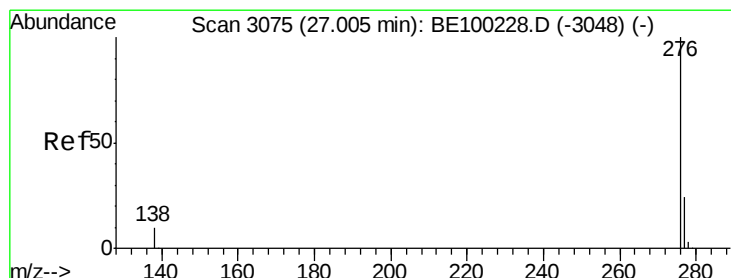
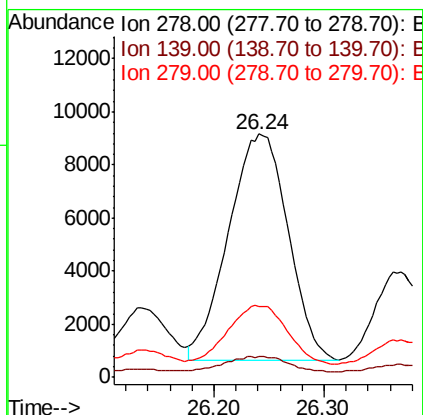
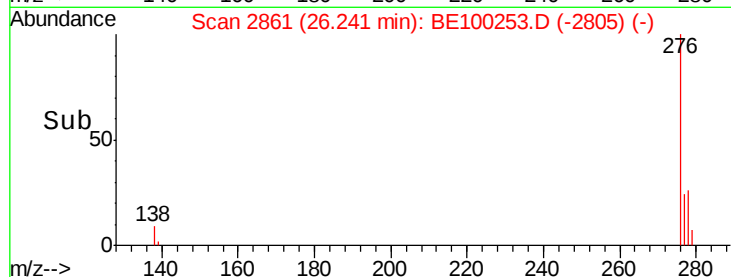
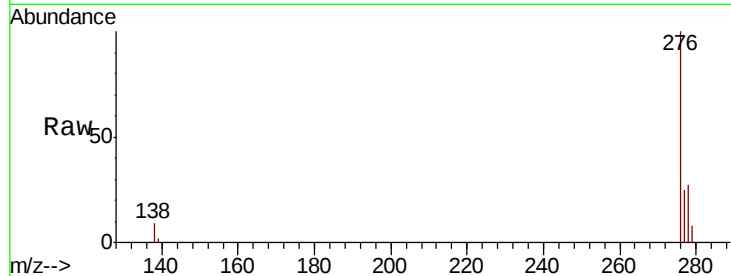
#38
Dibenzo(a,h)anthracene
Concen: 0.986 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.5	8.2	12.2
279	29.3	20.3	30.5

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 3.522 ng
RT: 27.03 min Scan# 3081
Delta R.T. 0.02 min
Lab File: BE100253.D
Acq: 29 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.2
138	9.7	9.0	13.6

