

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100314.D
 Acq On : 2 Jul 2019 22:17
 Operator : JU/SJ
 Sample : K3505-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW104-062019

Manual Integrations
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Quant Time: Jul 03 03:57:11 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	993	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3488	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2559	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7374	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9896	0.40	ng	0.00
34) Perylene-d12	23.68	264	12007	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	537	0.21	ng	0.01
5) Phenol-d6	6.83	99	698	0.21	ng	-0.01
8) Nitrobenzene-d5	8.81	82	638	0.18	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1160	0.18	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	443	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1626	0.16	ng	-0.01
25) Fluoranthene-d10	19.10	212	16179	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	3878	0.19	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.49	128	3065	0.080	ng	# 96
12) 2-Methylnaphthalene	12.12	142	351	0.052	ng	# 89
16) Acenaphthylene	14.04	152	5202	0.424	ng	98
17) Acenaphthene	14.39	154	599	0.086	ng	99
18) Fluorene	15.35	166	1510	0.147	ng	95
23) Phenanthrene	17.11	178	43040	2.408	ng	100
24) Anthracene	17.19	178	10197	0.634	ng	97
26) Fluoranthene	19.13	202	194832	6.844	ng	99
28) Pyrene	19.49	202	180922	6.905	ng	97
30) Benzo(a)anthracene	21.23	228	144823	4.451	ng	98
31) Chrysene	21.28	228	111688	3.418	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	4294	0.036	ng	# 88
33) Indeno(1,2,3-cd)pyrene	26.25	276	78143	1.808	ng	# 97
35) Benzo(b)fluoranthene	22.94	252	159982	4.914	ng	100
36) Benzo(k)fluoranthene	22.98	252	62938m	1.732	ng	
37) Benzo(a)pyrene	23.57	252	121430m	3.722	ng	
38) Dibenzo(a,h)anthracene	26.26	278	20716	0.608	ng	# 81
39) Benzo(a,h,i)perylene	27.04	276	73286	2.094	ng	98

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

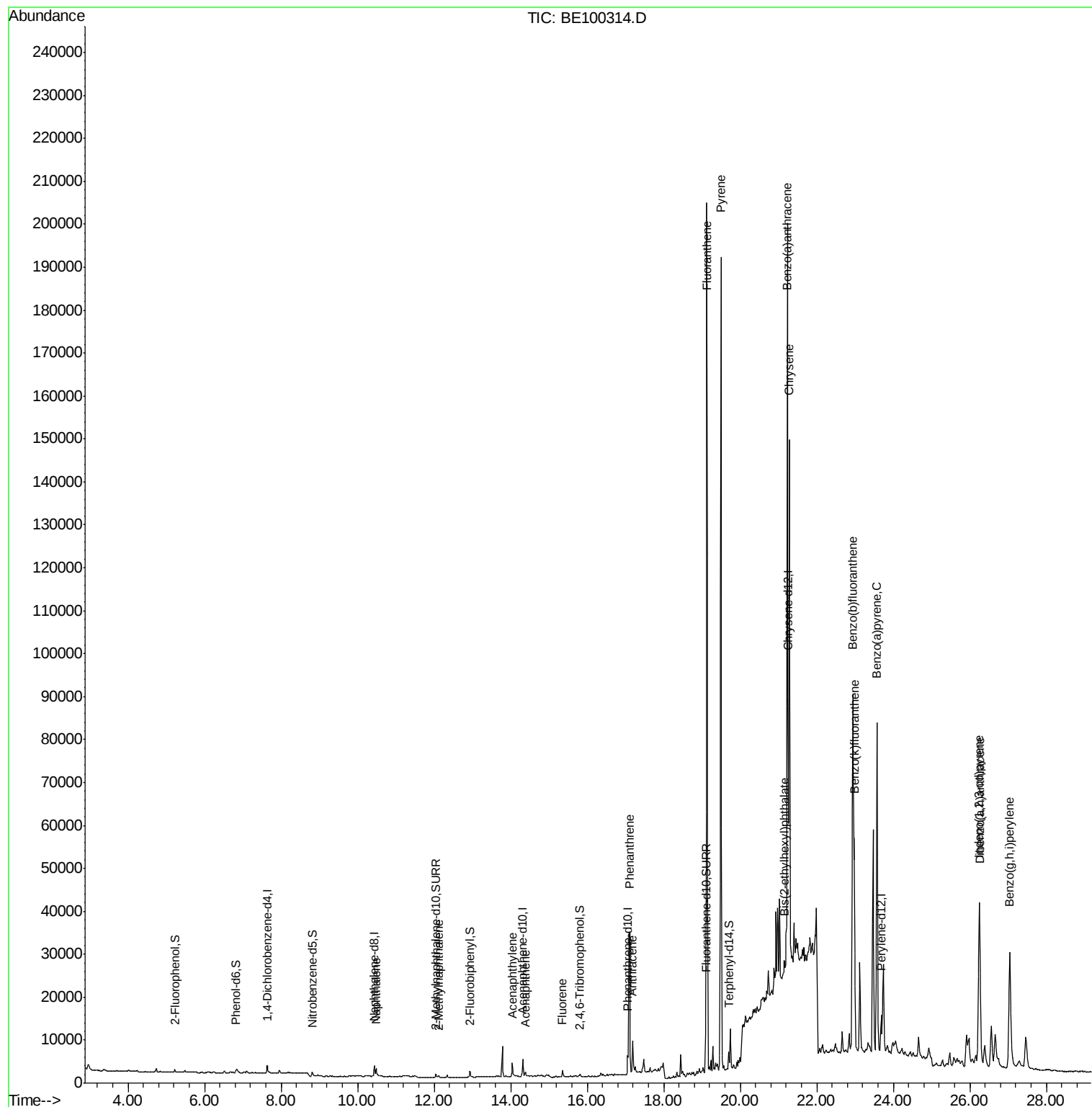
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.65 min Scan# 415

Delta R.T. 0.00 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

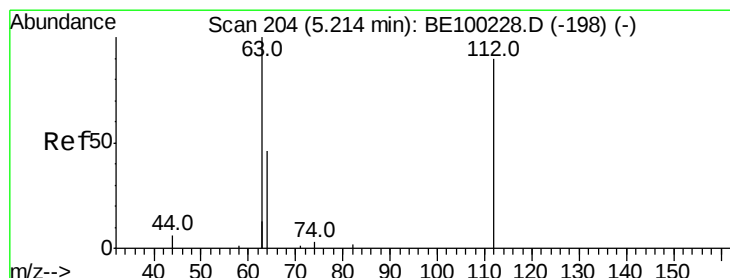
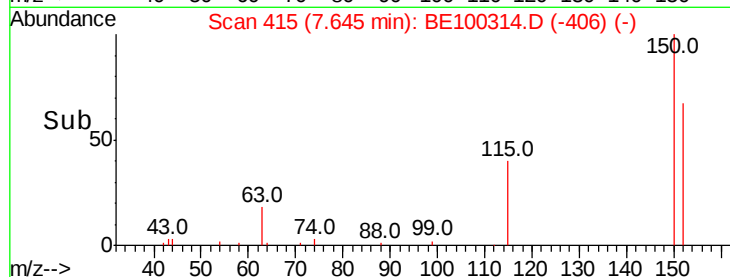
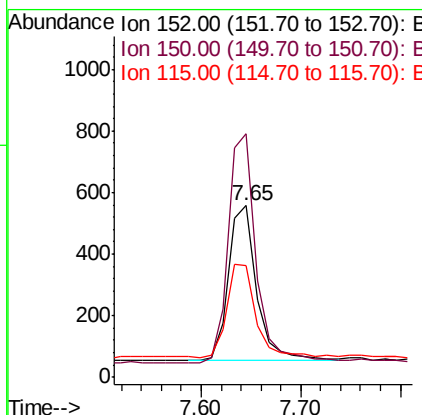
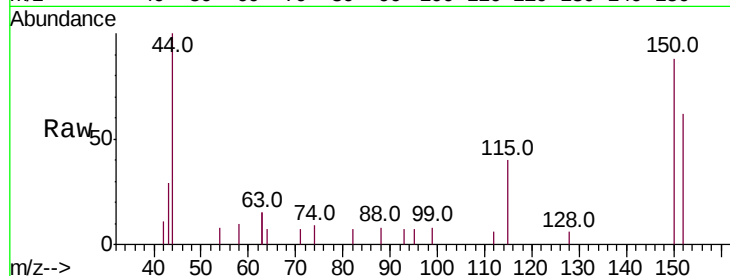
ClientSampleId :

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Tot Ion:	152	Resp:	993
Ion	Ratio	Lower	Upper
152	100		
150	142.0	114.5	171.7
115	65.2	57.1	85.7

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#4

2-Fluorophenol

Concen: 0.212 ng

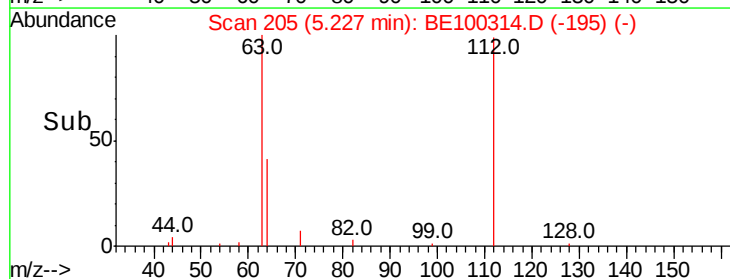
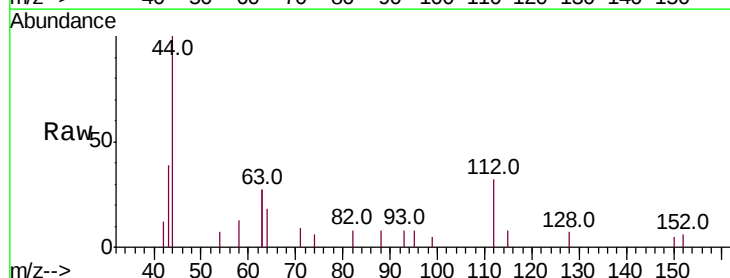
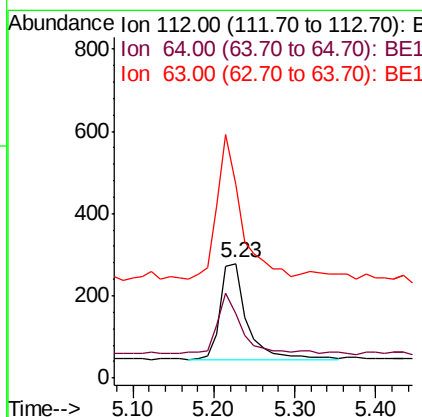
RT: 5.23 min Scan# 205

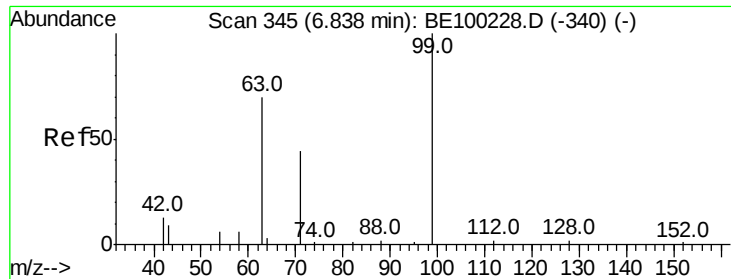
Delta R.T. 0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Tgt Ion:	112	Resp:	537
Ion	Ratio	Lower	Upper
112	100		
64	52.9	39.4	59.0
63	134.1	104.5	156.7





#5

Phenol-d6

Concen: 0.210 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

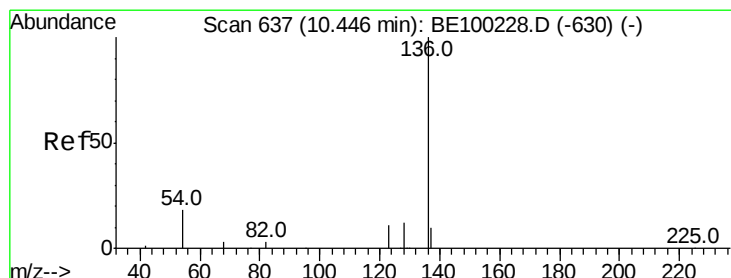
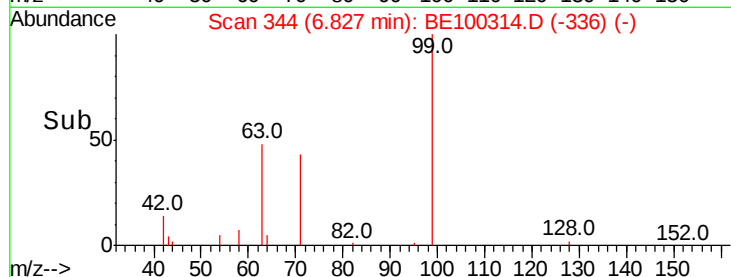
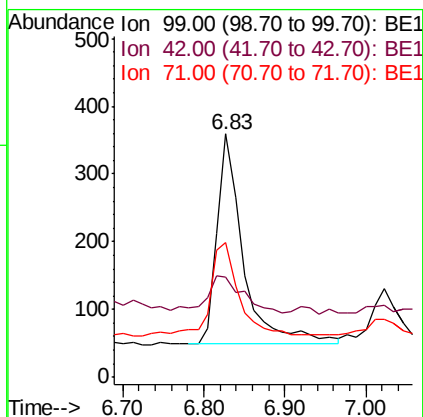
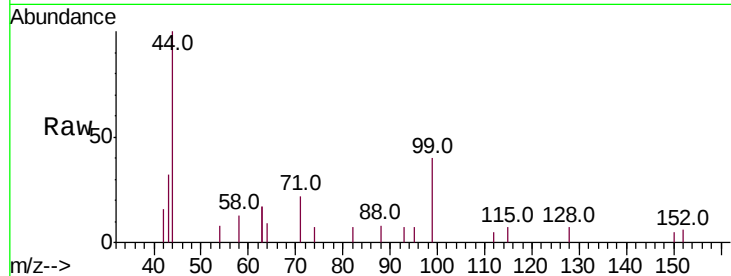
ClientSampleId :

PST-013-SW104-062019

Tot Ion:	99	Resp:	698
Ion	Ratio	Lower	Upper
99	100		
42	24.1	11.2	16.8#
71	44.8	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

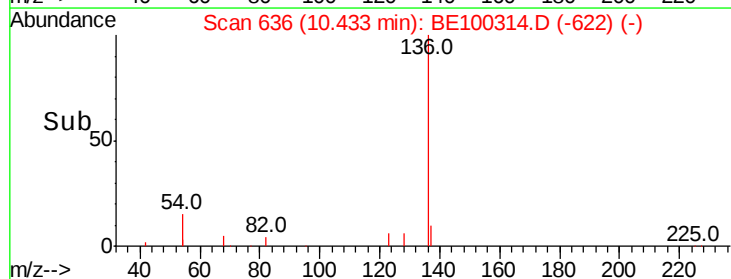
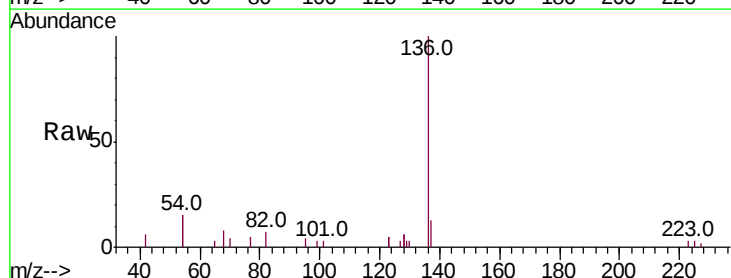
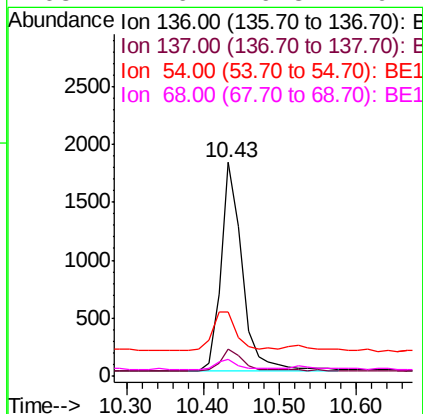
RT: 10.43 min Scan# 636

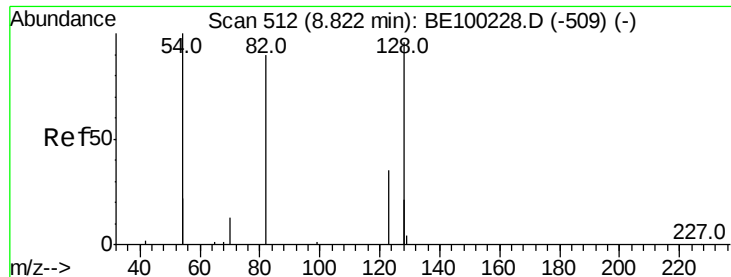
Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Tgt Ion:	136	Resp:	3488
Ion	Ratio	Lower	Upper
136	100		
137	12.7	11.8	17.8
54	29.9	27.7	41.5
68	7.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.184 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

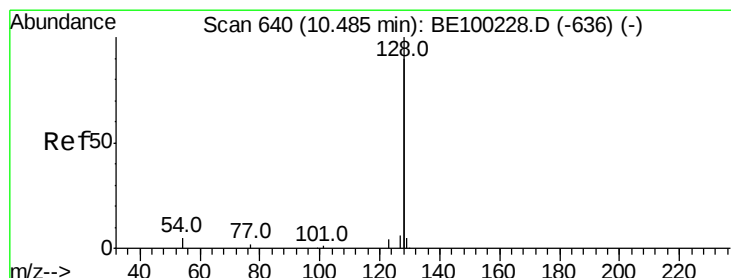
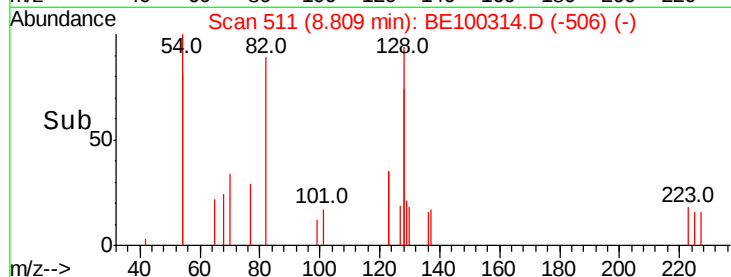
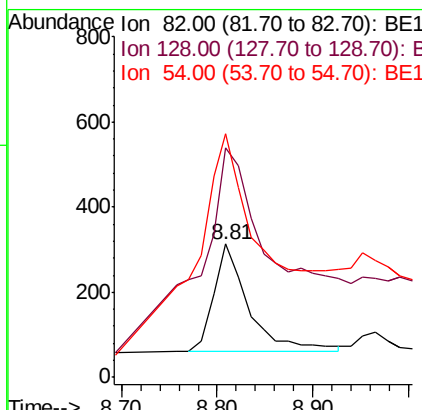
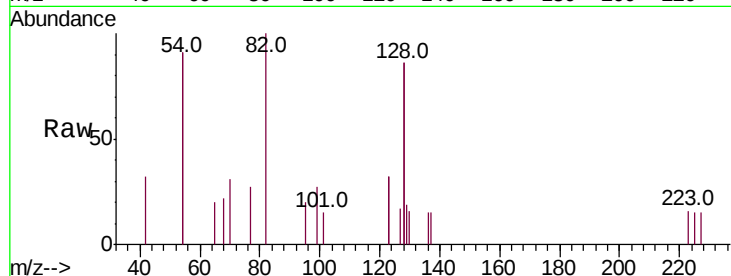
ClientSampleId :

PST-013-SW104-062019

Tot Ion:	82	Resp:	638
Ion	Ratio	Lower	Upper
82	100		
128	171.9	140.9	211.3
54	182.7	146.2	219.2

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#9

Naphthalene

Concen: 0.080 ng

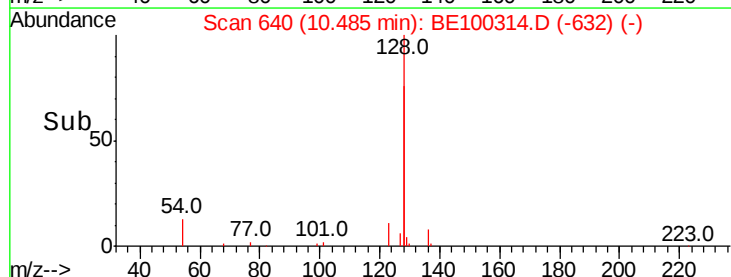
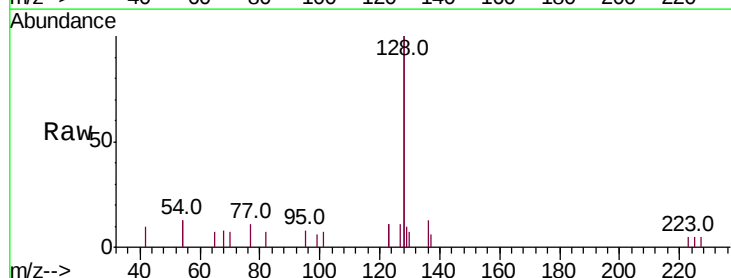
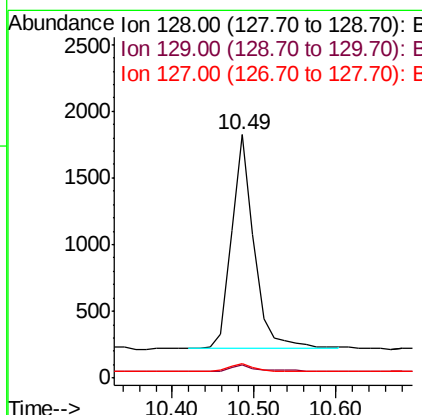
RT: 10.49 min Scan# 640

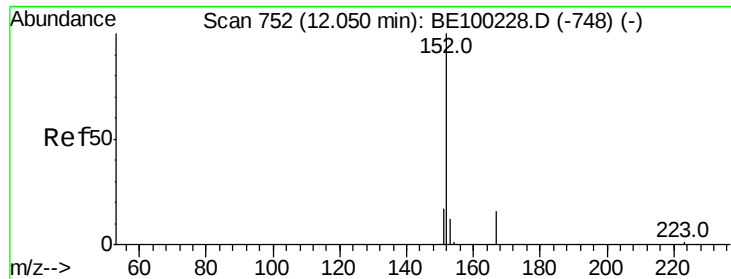
Delta R.T. 0.00 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Tgt Ion:	128	Resp:	3065
Ion	Ratio	Lower	Upper
128	100		
129	5.2	3.0	4.6#
127	5.7	3.5	5.3#





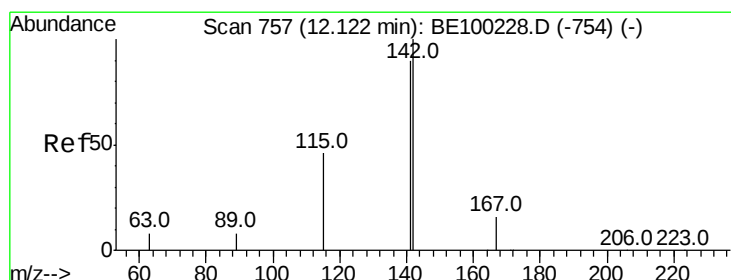
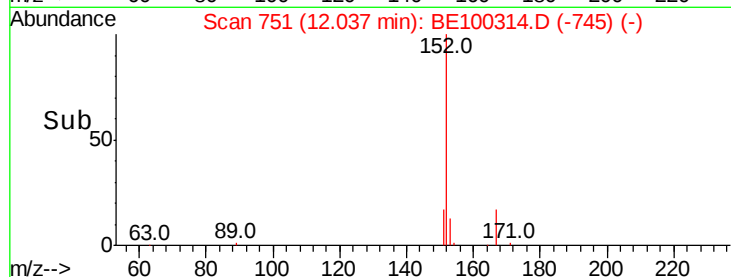
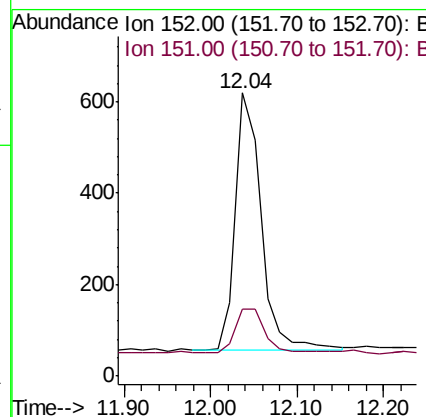
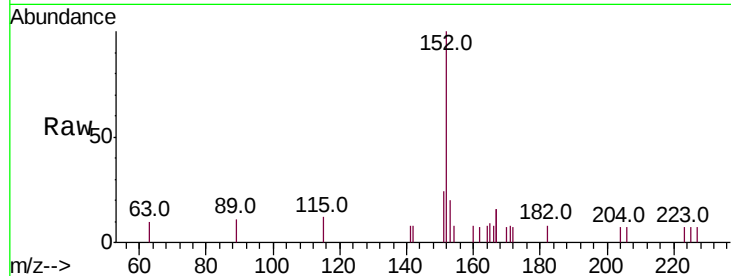
#11
2-Methylnaphthalene-d10
Concen: 0.177 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.1	22.7

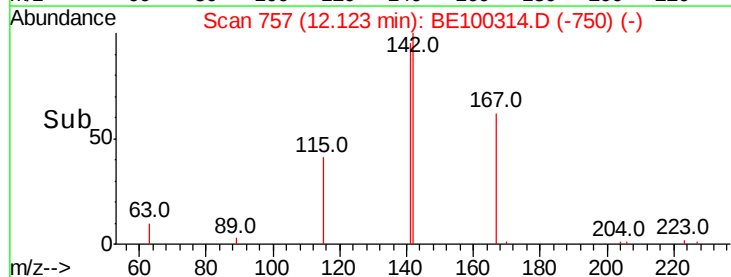
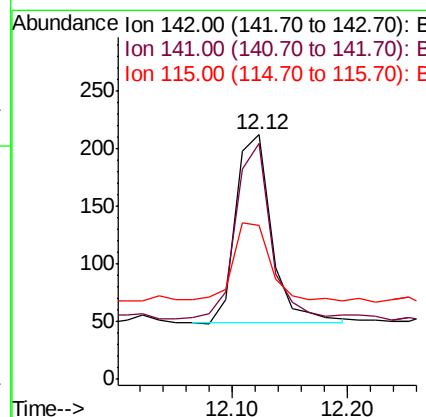
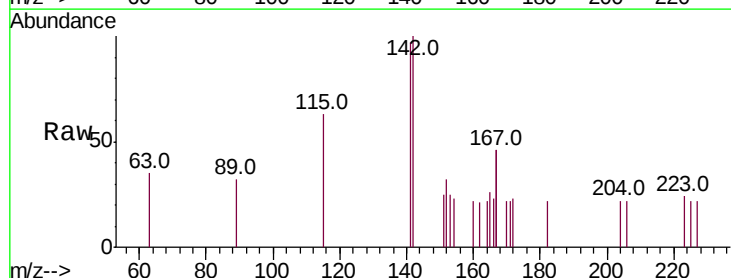
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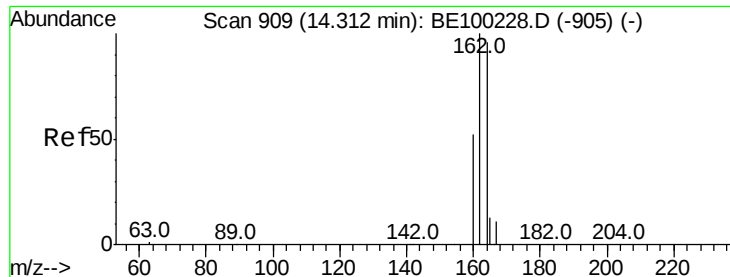
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#12
2-Methylnaphthalene
Concen: 0.052 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.7	72.4	108.6
115	62.7	40.4	60.6





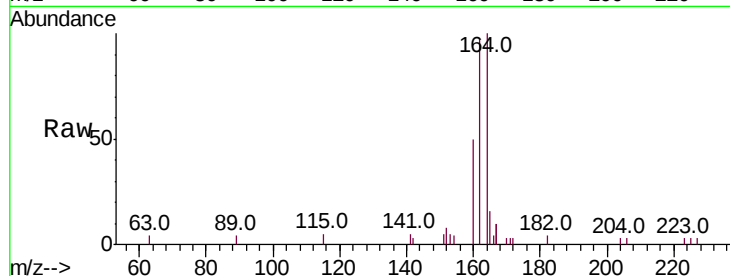
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.5	83.4	125.0
160	50.2	45.0	67.6

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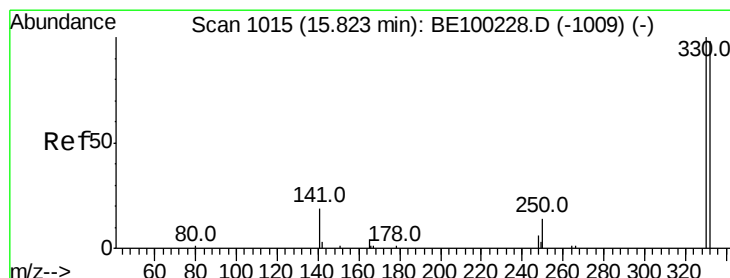
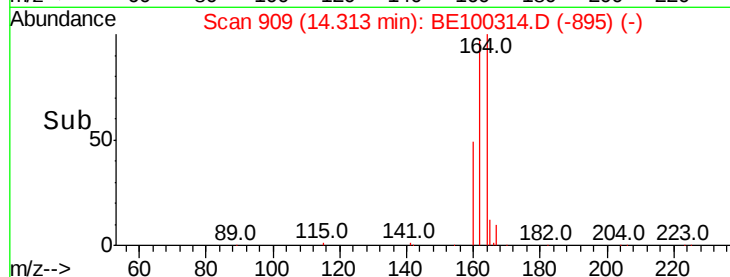
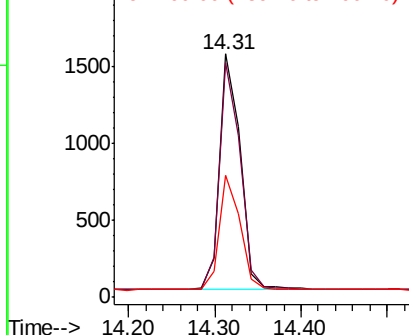


Abundance

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: 0.247 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

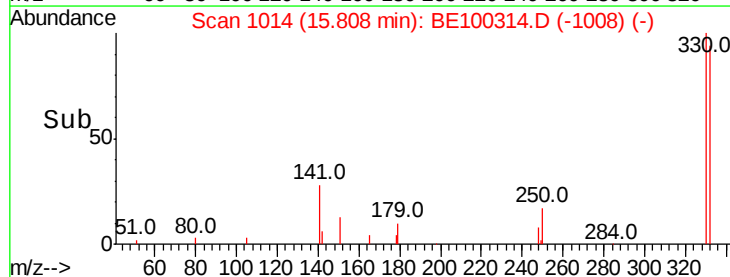
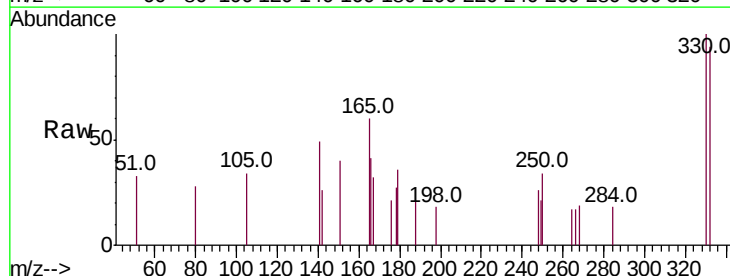
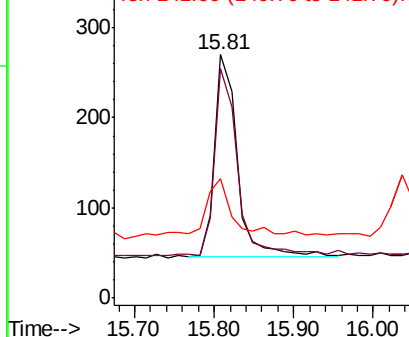
Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.0	77.0	115.4
141	27.1	22.0	33.0

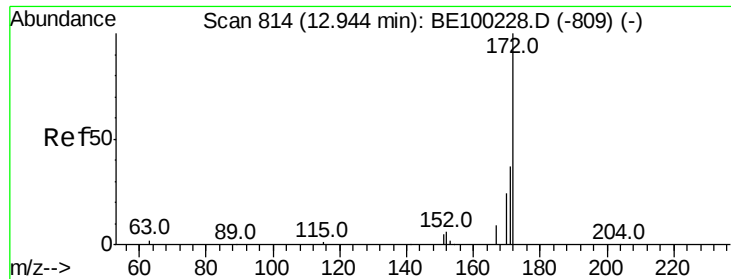
Abundance

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





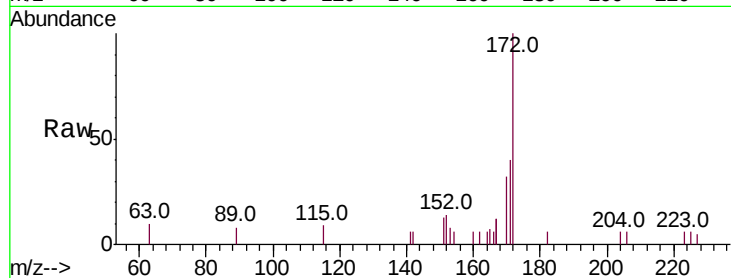
#15
2-Fluorobiphenyl
Concen: 0.163 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

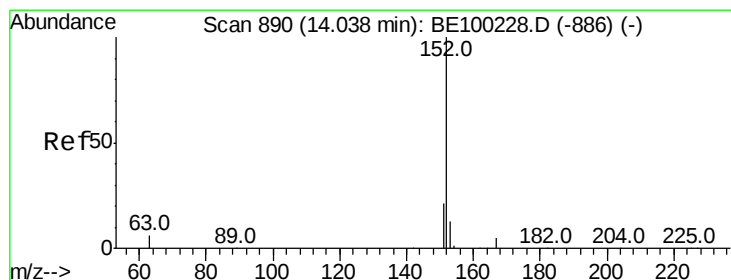
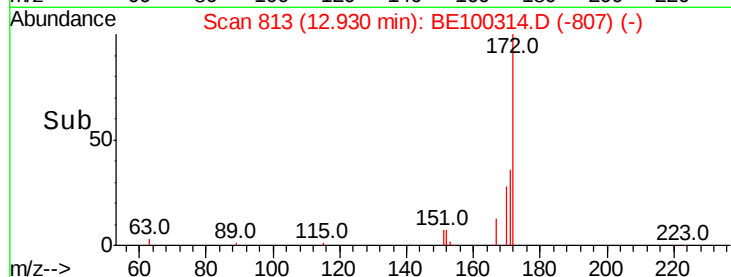
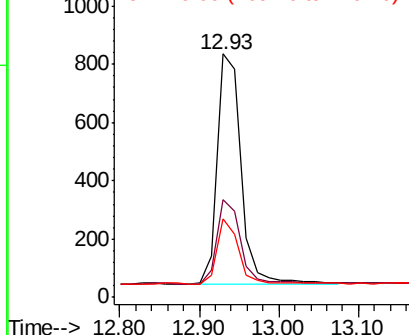
Tot Ion	Ratio	Lower	Upper
172	100		
171	40.1	31.9	47.9
170	32.1	22.2	33.2

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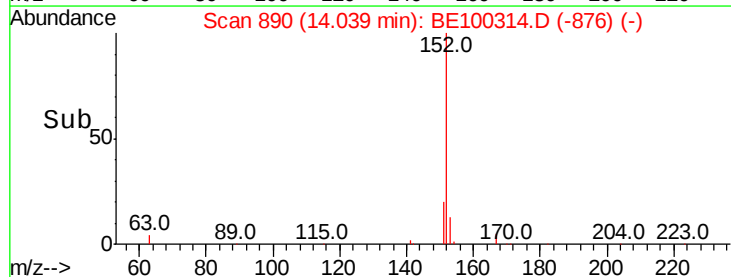
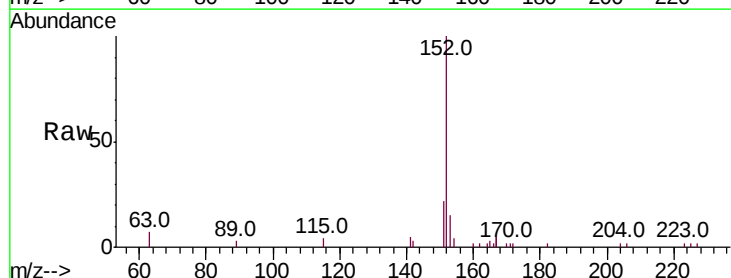
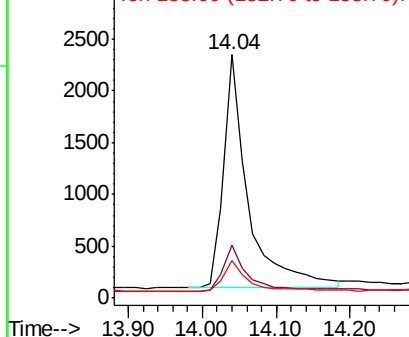
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

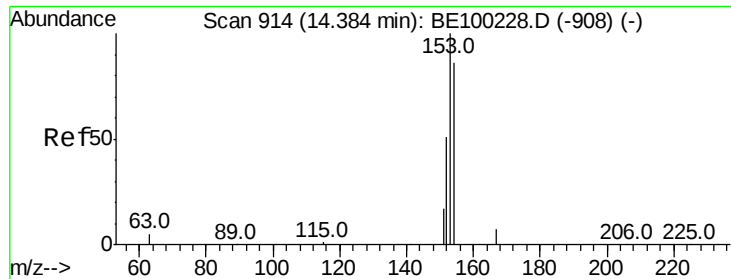


#16
Acenaphthylene
Concen: 0.424 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	14.1	10.5	15.7

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





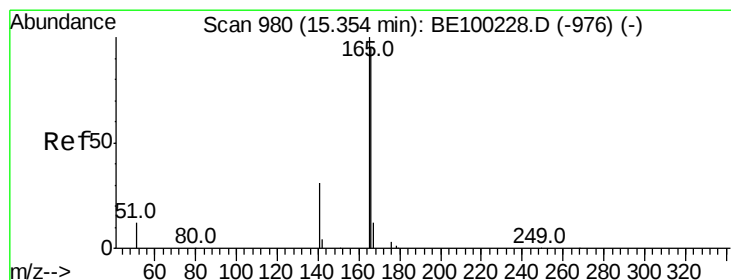
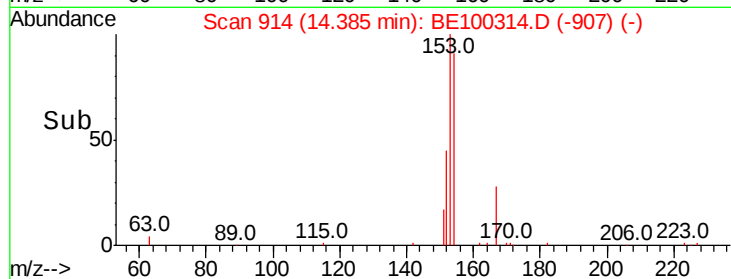
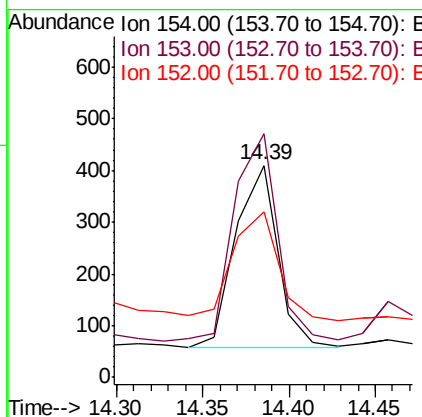
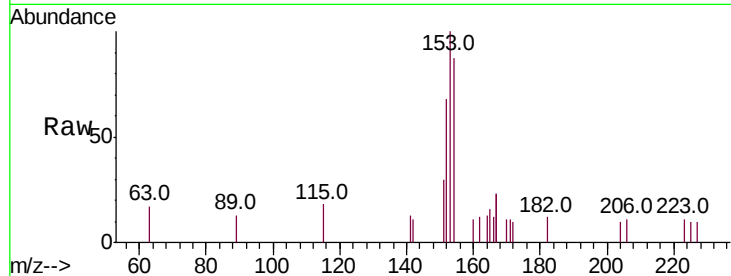
#17
Acenaphthene
Concen: 0.086 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.0	93.4	140.2
152	63.8	49.4	74.2

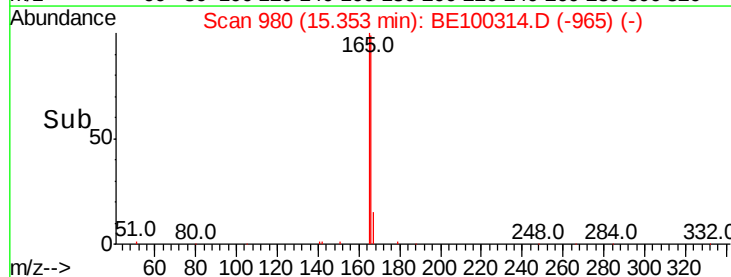
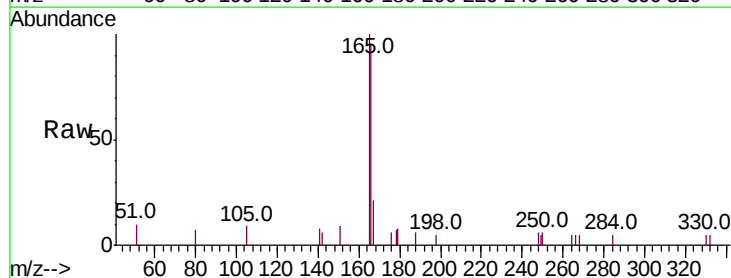
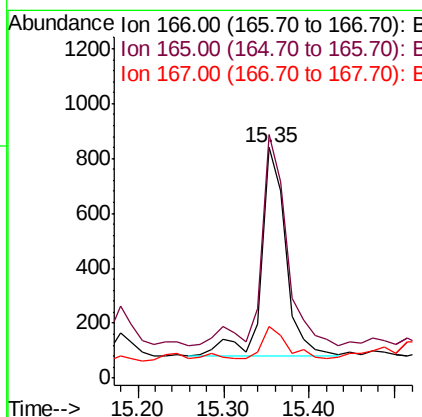
Manual Integrations
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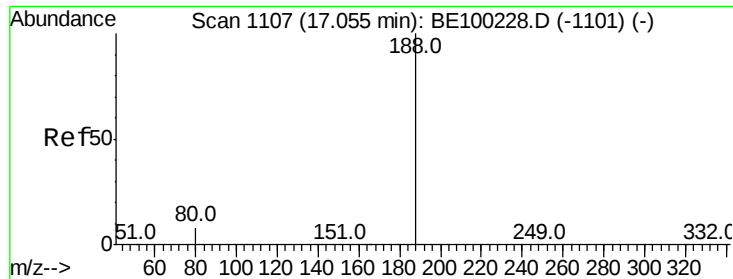
mohammad
7/3/2019 10:49:16 PM



#18
Fluorene
Concen: 0.147 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.6	81.1	121.7
167	15.8	10.7	16.1





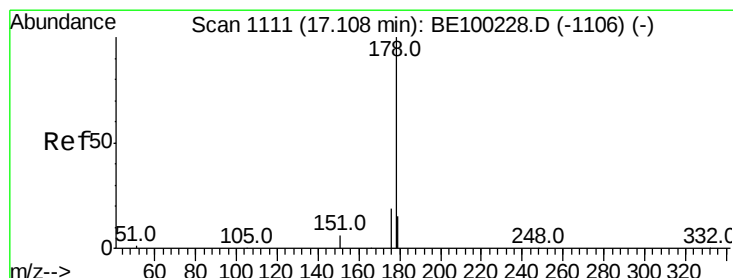
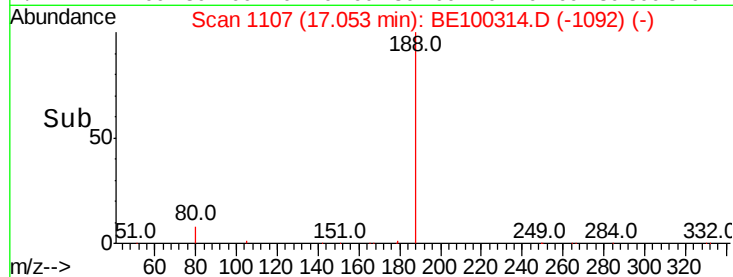
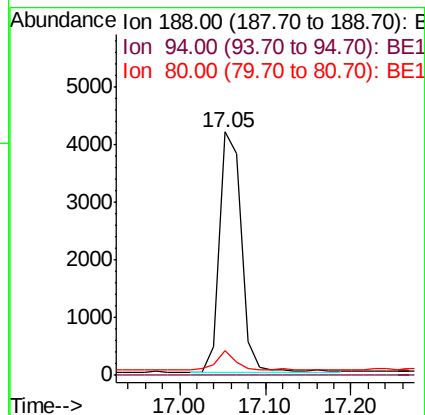
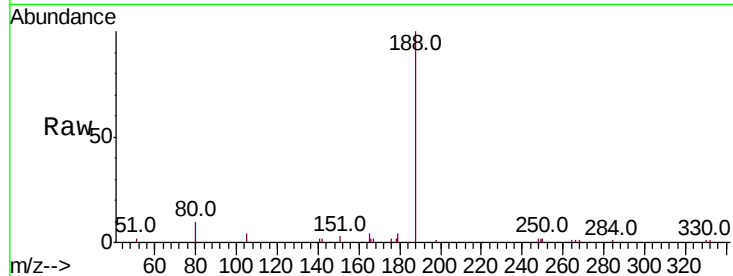
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.6	11.4

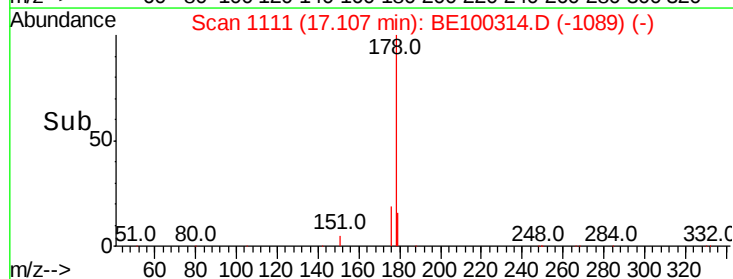
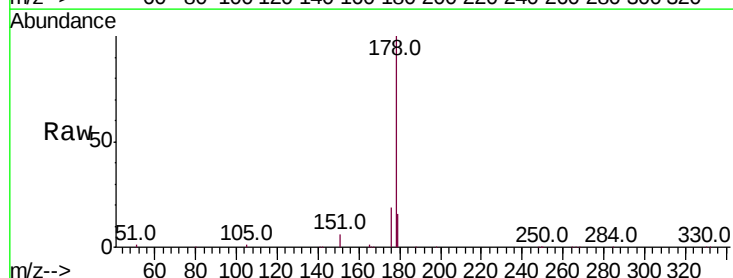
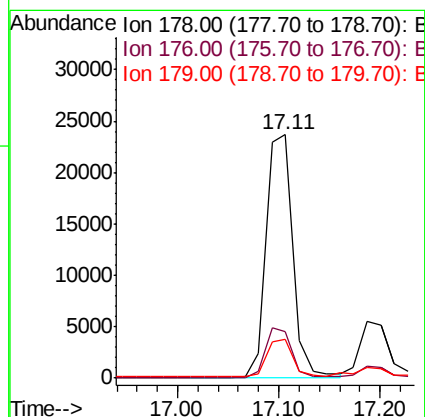
Manual Integrations
APPROVED

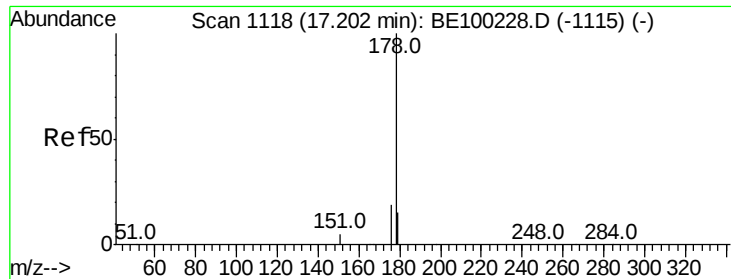
mohammad
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#23
Phenanthrene
Concen: 2.408 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

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





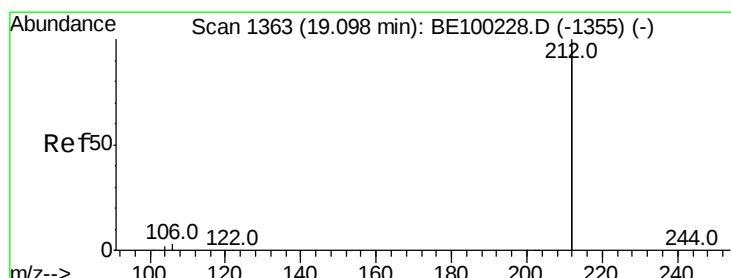
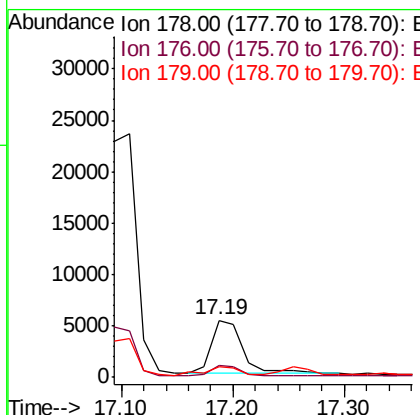
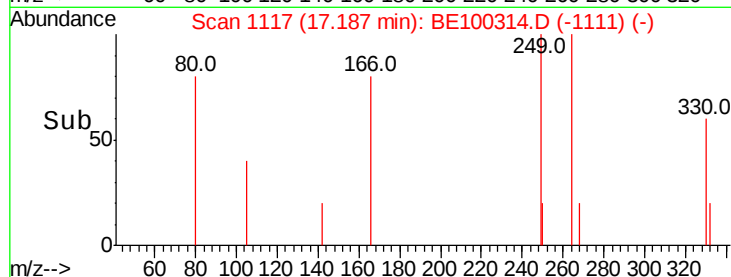
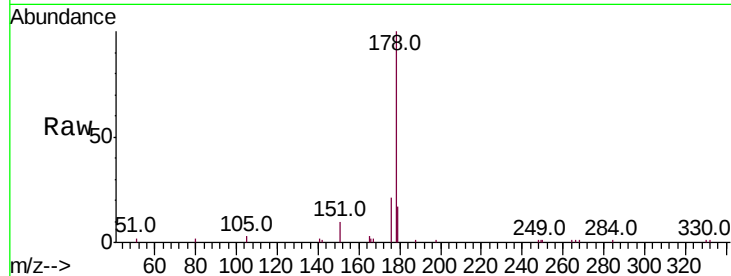
#24
 Anthracene
 Concen: 0.634 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	17.1	12.2	18.2

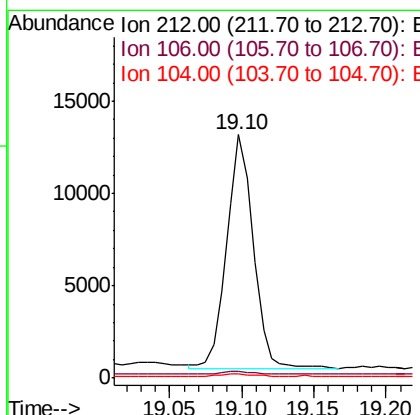
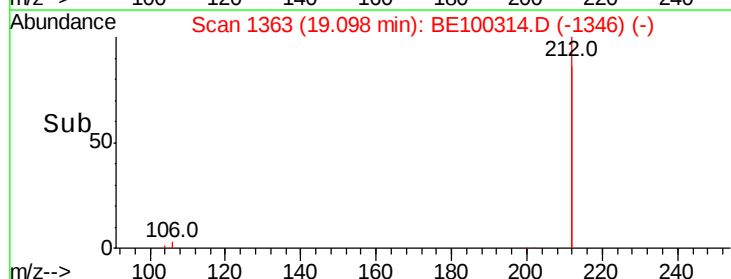
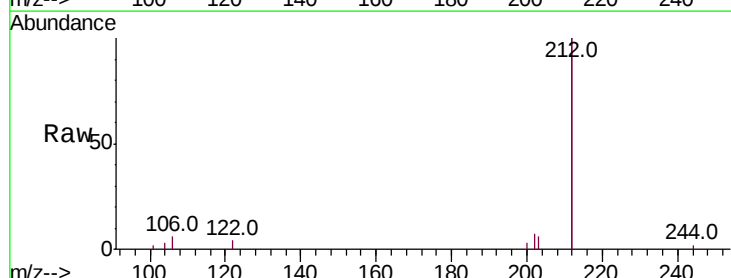
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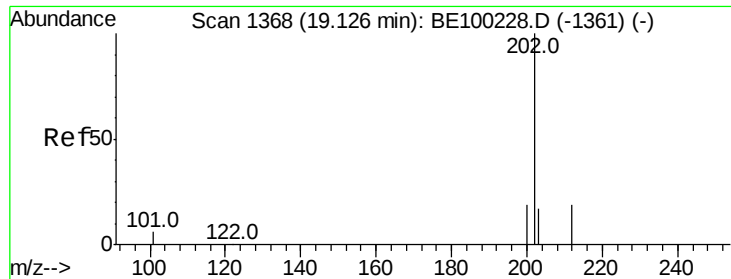
mohammad
 7/3/2019 10:49:16 PM



#25
 Fluoranthene-d10
 Concen: 0.151 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.8	1.2





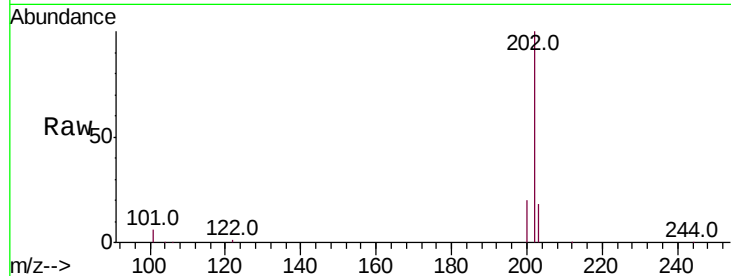
#26
 Fluoranthene
 Concen: 6.844 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW104-062019

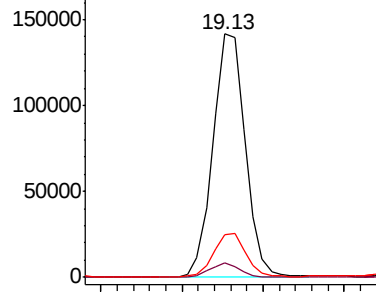
Tot Ion	Ratio	Resp	Lower	Upper
202	100	194832		
101	5.4		4.6	7.0
203	17.6		13.7	20.5

Manual Integrations
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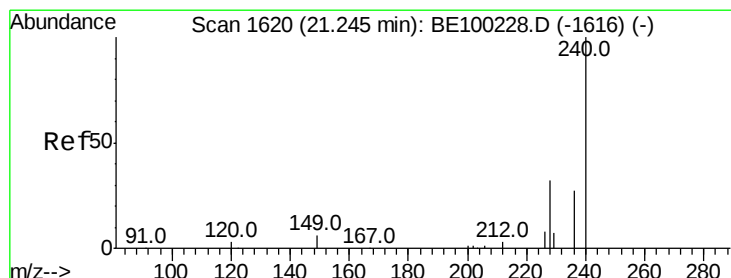
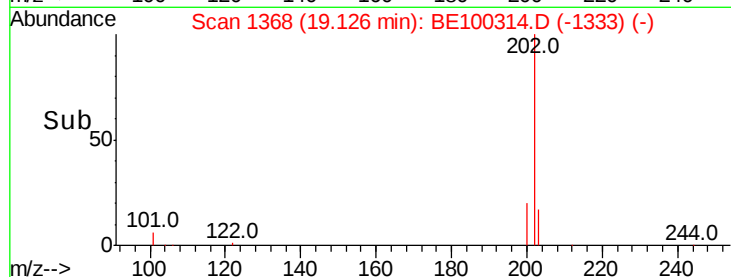
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

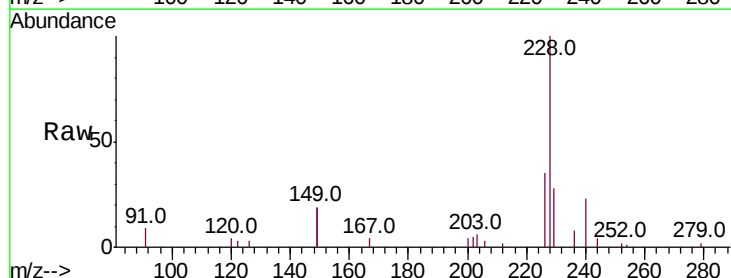


Time-->

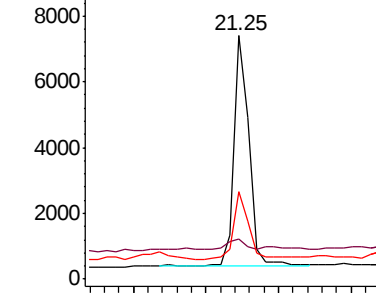


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

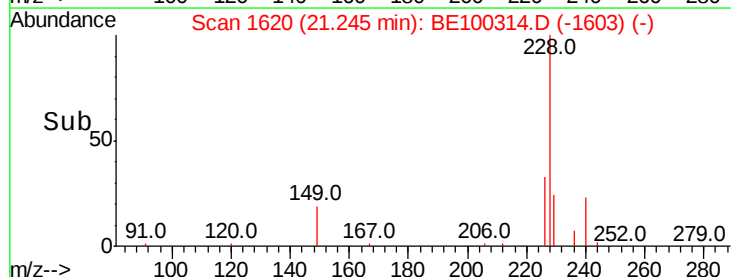
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	9896		
120	16.4		3.3	4.9#
236	35.7		22.6	34.0#

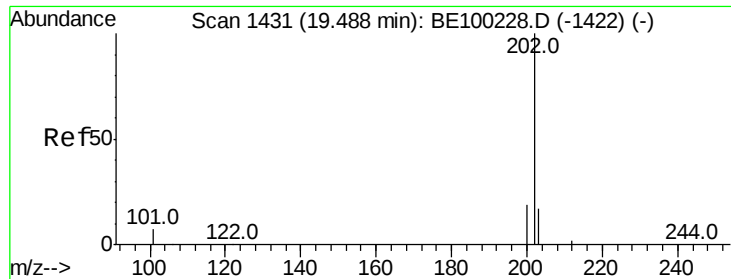


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





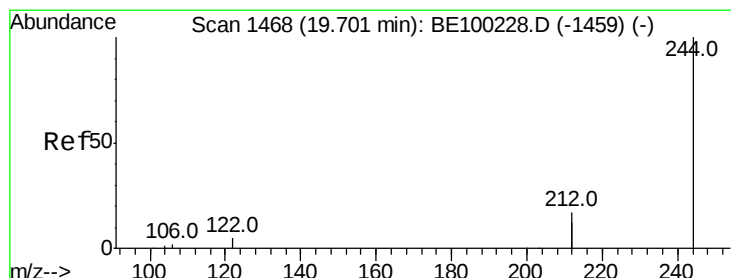
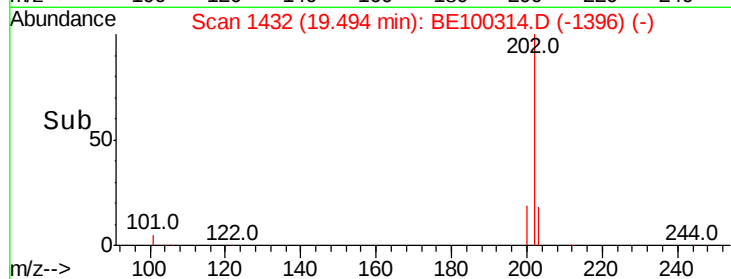
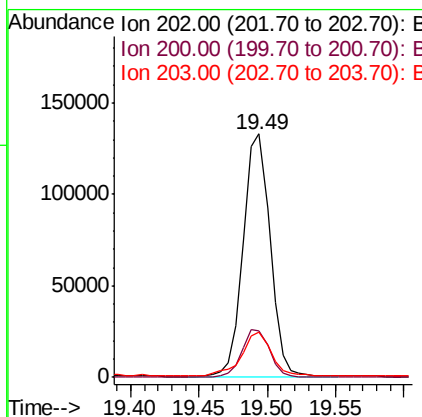
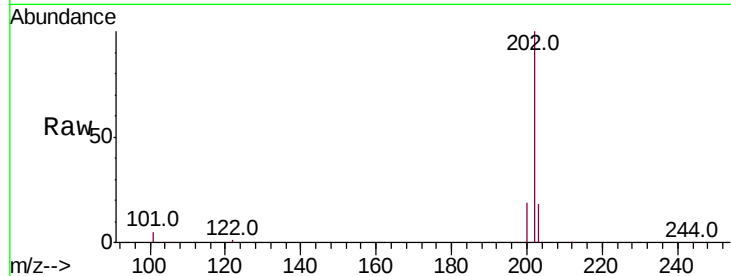
#28
Pvrene
Concen: 6.905 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.6	23.4
203	19.9	14.0	21.0

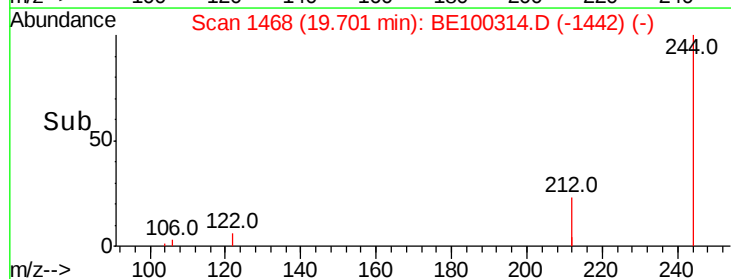
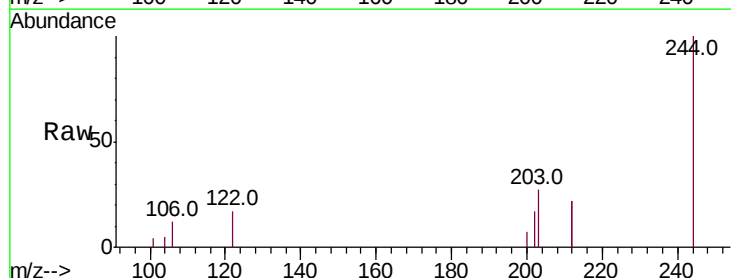
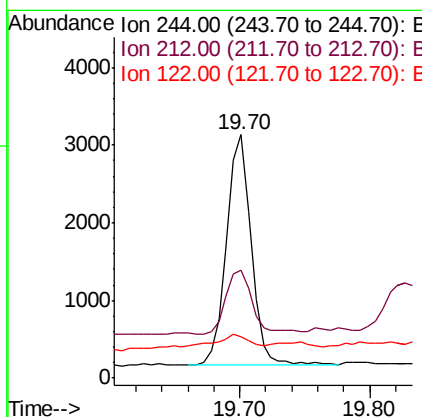
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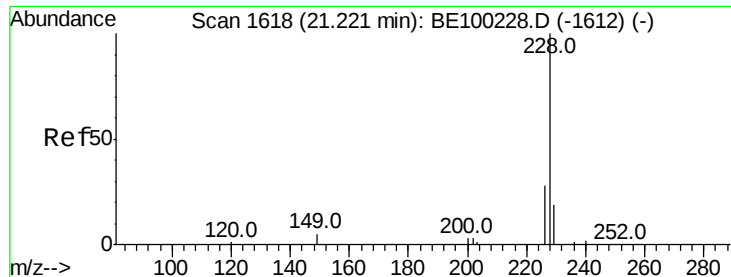
mohammad
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#29
Terphenyl-d14
Concen: 0.189 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	44.5	27.3	40.9#
122	16.9	4.7	7.1#





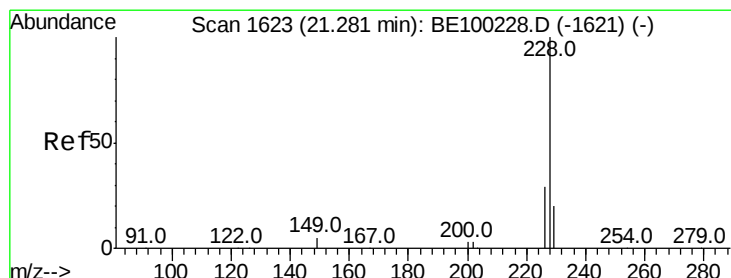
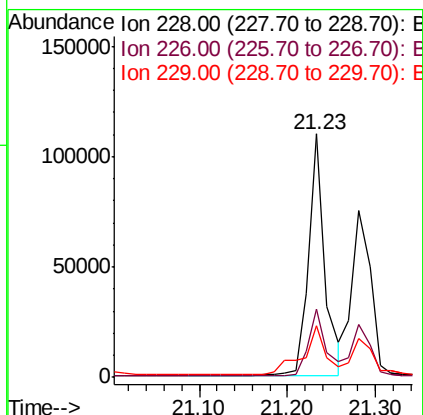
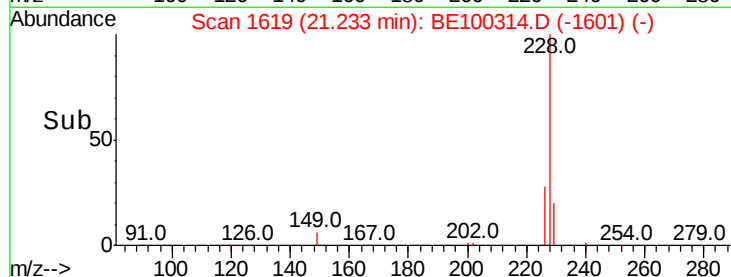
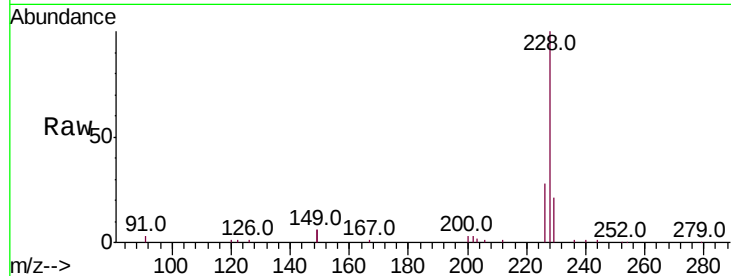
#30
Benzo(a)anthracene
Concen: 4.451 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.2	34.8
229	21.3	15.7	23.5

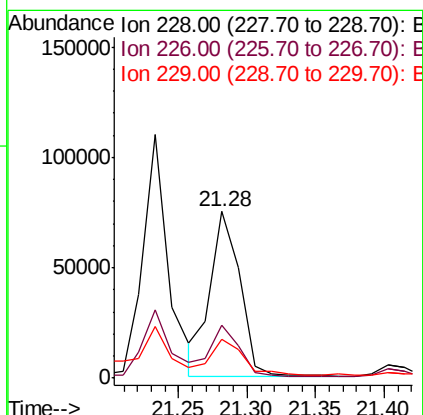
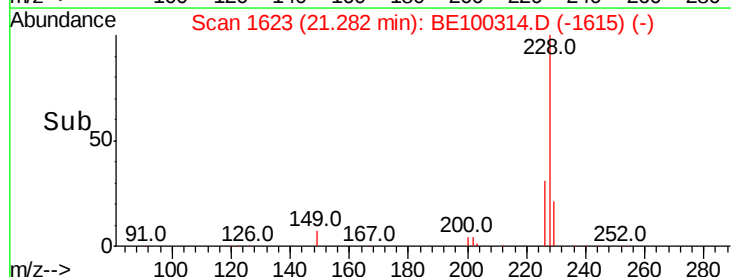
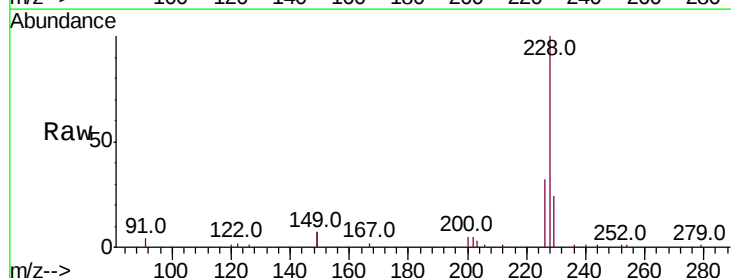
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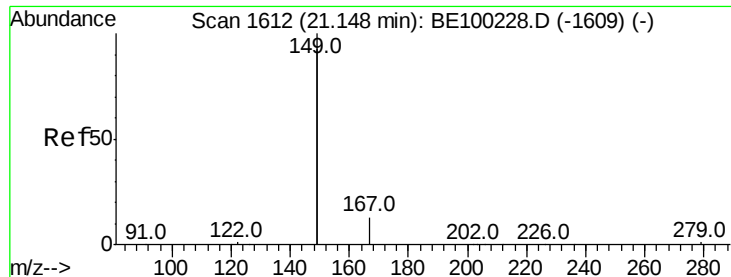
mohammad
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#31
Chrysene
Concen: 3.418 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.9	35.9
229	23.5	16.5	24.7





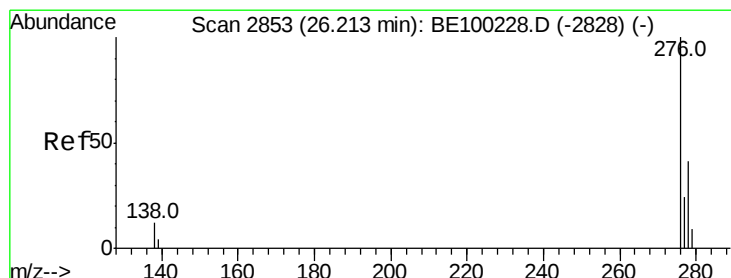
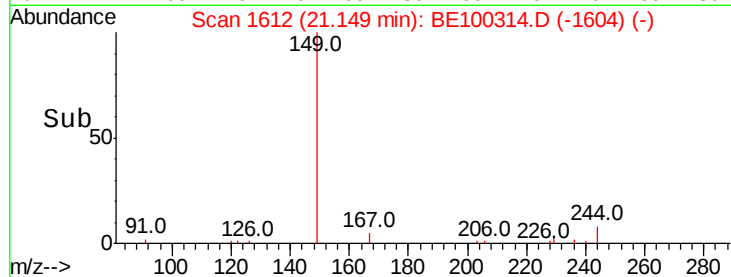
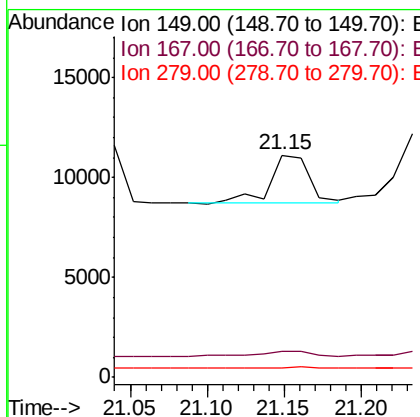
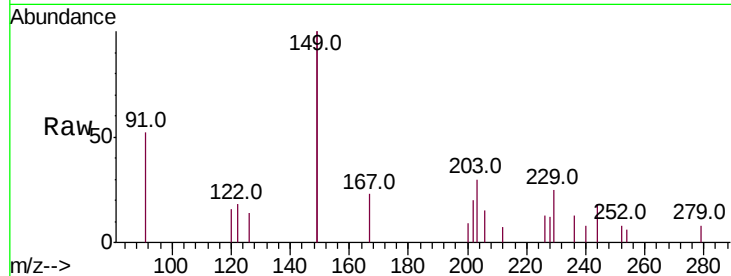
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.036 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
149	100		
167	11.9	5.8	8.8#
279	3.3	1.1	1.7#

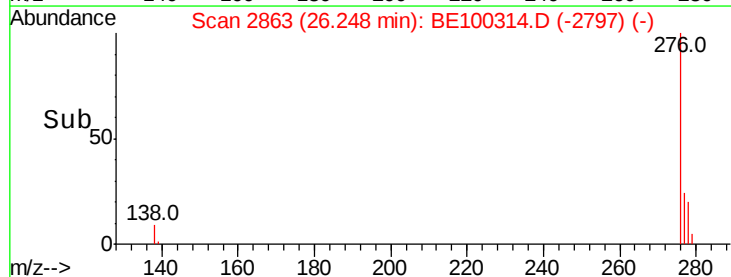
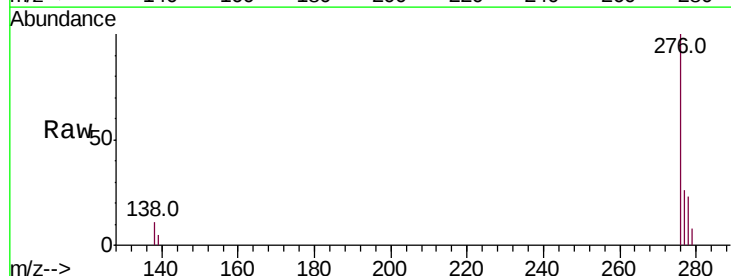
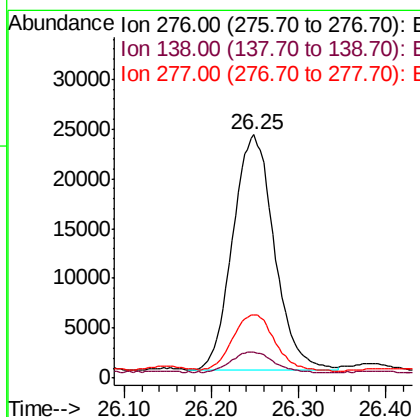
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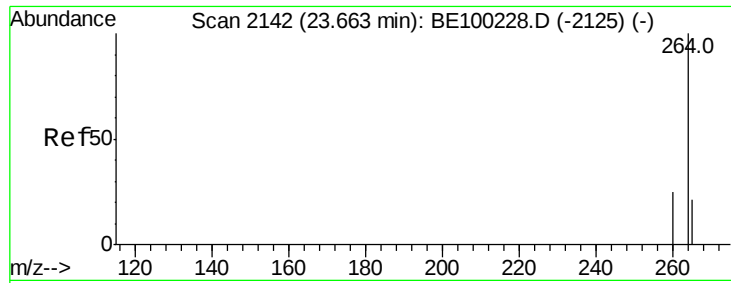
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 1.808 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.04 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.7	9.4	14.0#
277	24.3	19.2	28.8





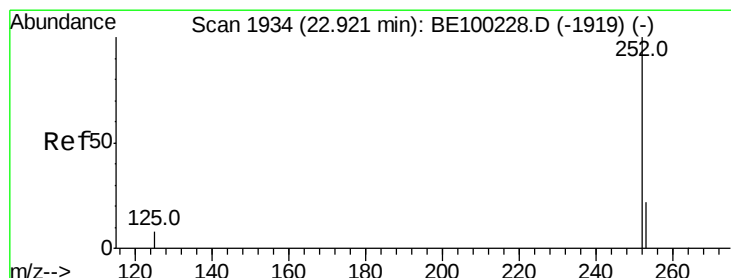
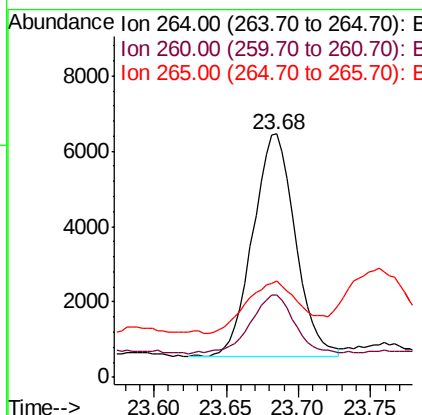
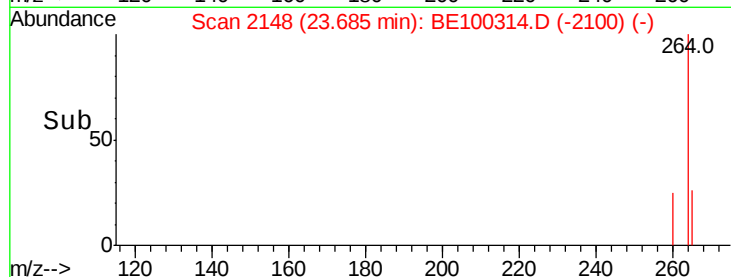
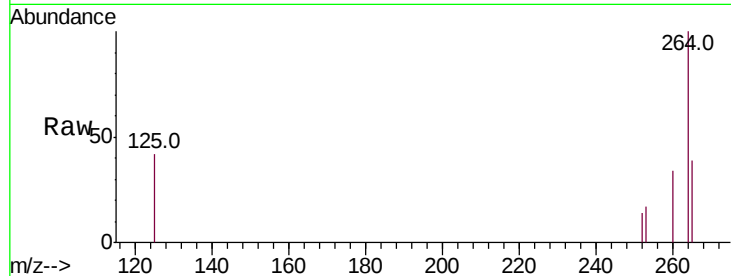
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2148
Delta R.T. 0.02 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.6	20.8	31.2#
265	39.5	21.8	32.6#

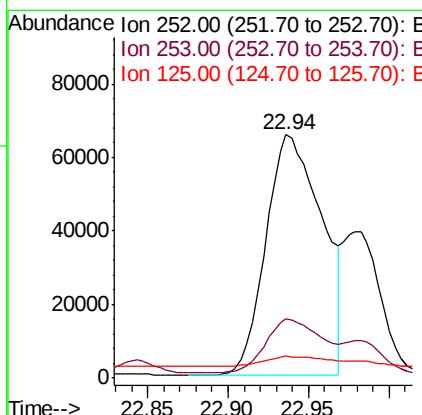
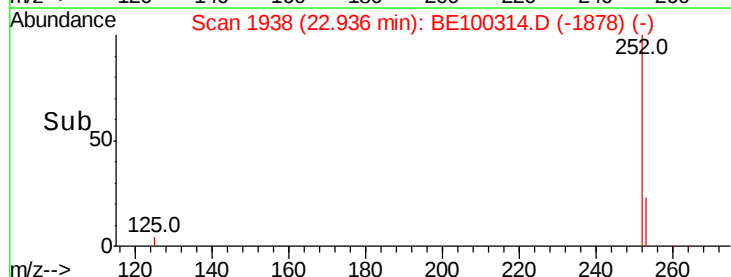
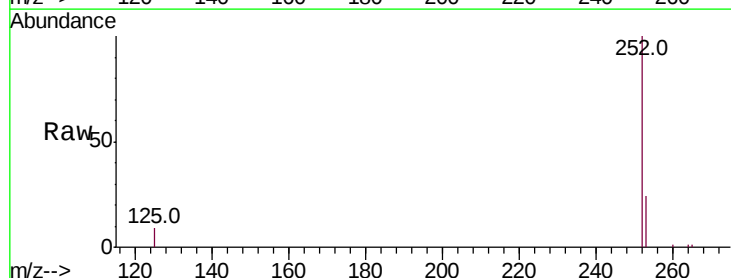
Manual Integrations
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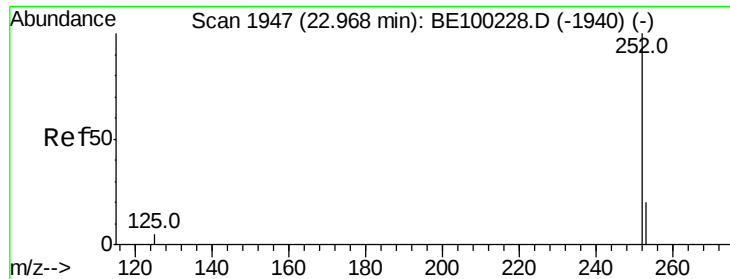
mohammad
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#35
Benzo(b)fluoranthene
Concen: 4.914 ng
RT: 22.94 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.2	28.8
125	9.1	7.4	11.0





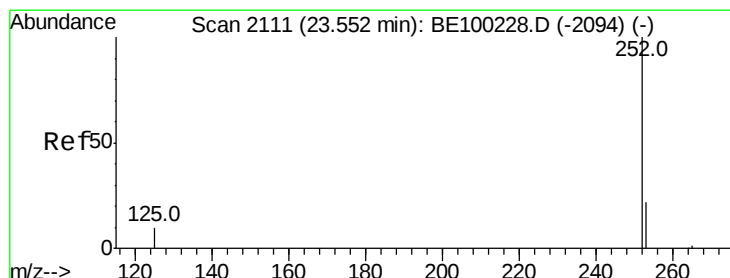
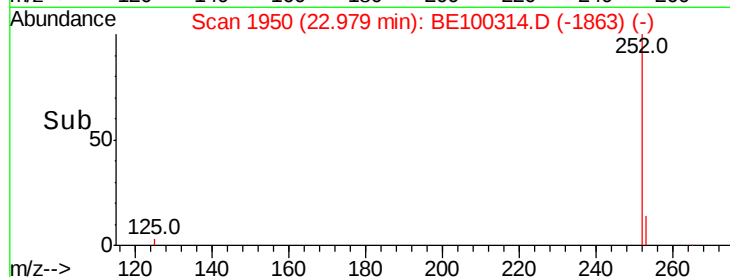
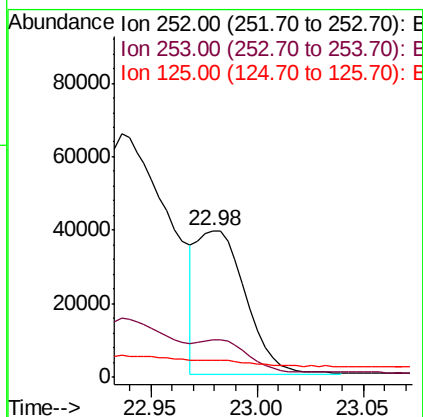
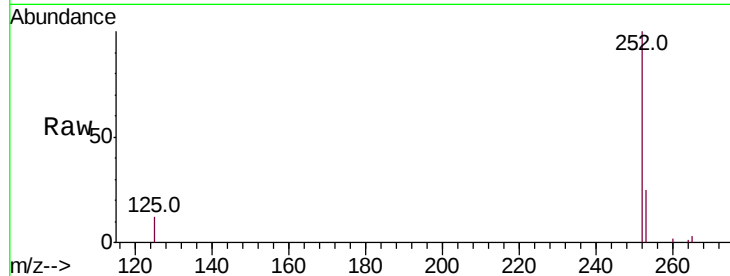
#36
Benzo(k)fluoranthene
Concen: 1.732 ng m
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	11.6	5.0	7.4

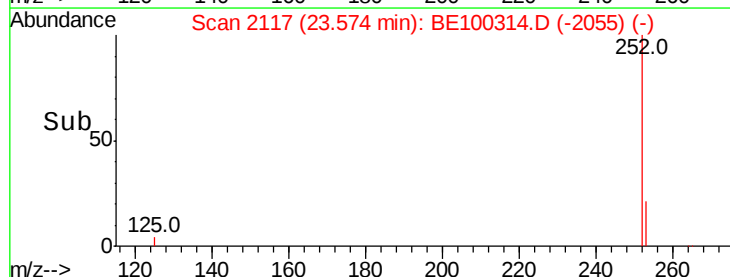
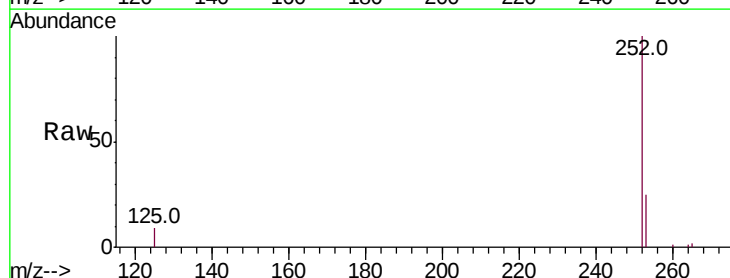
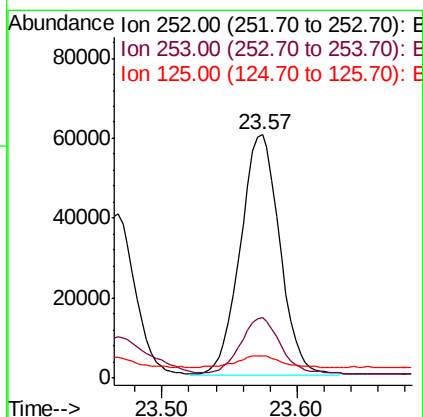
Manual Integrations
APPROVED

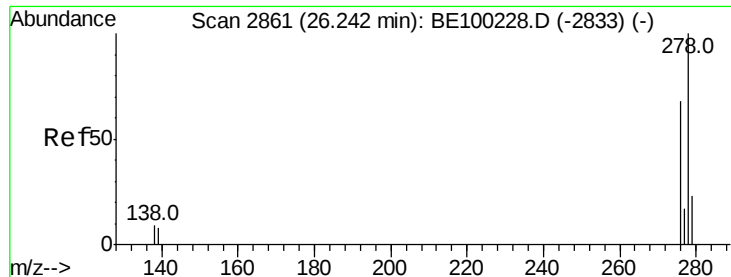
mohammad
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#37
Benzo(a)pyrene
Concen: 3.722 ng m
RT: 23.57 min Scan# 2117
Delta R.T. 0.02 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.6	29.4
125	9.0	9.0	13.6





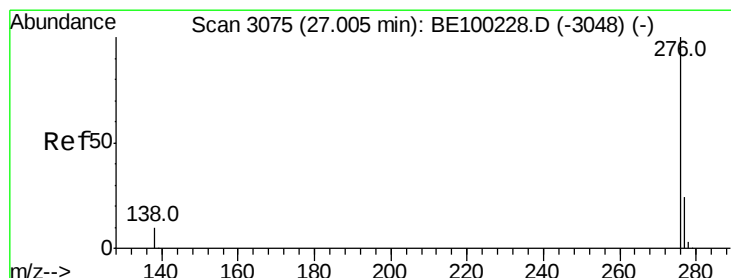
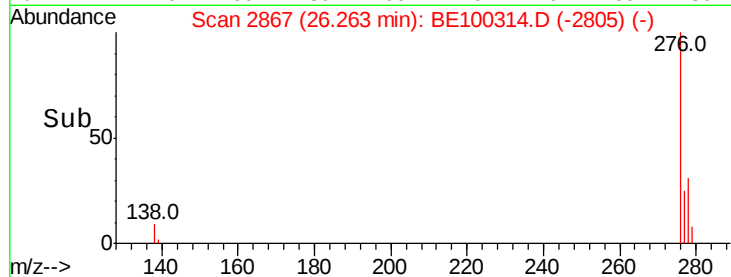
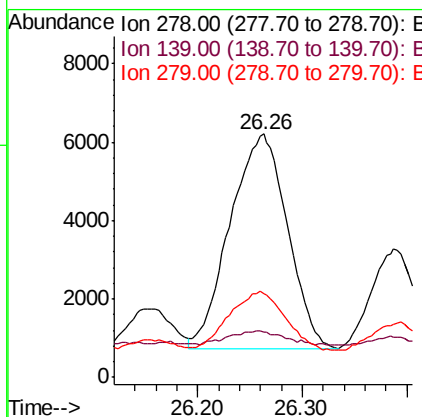
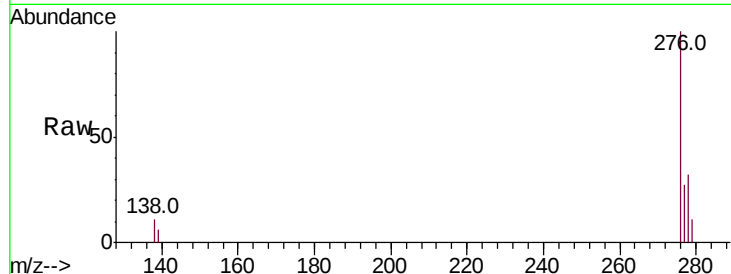
#38
Dibenzo(a,h)anthracene
Concen: 0.608 ng
RT: 26.26 min Scan# 2867
Delta R.T. 0.02 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	8.2	12.2#
279	34.3	20.3	30.5#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 2.094 ng
RT: 27.04 min Scan# 3086
Delta R.T. 0.04 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.2	30.2
138	10.8	9.0	13.6

