

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100201.D
 Acq On : 27 Jun 2019 12:04
 Operator : JU/SJ
 Sample : K3428-20
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 PST-084-B045-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:29 AM

Quant Time: Jun 27 19:10:55 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 15:40:27 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	685	0.40	ng	-0.01
7) Naphthalene-d8	10.46	136	2151	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	1757	0.40	ng	-0.01
19) Phenanthrene-d10	17.07	188	5557	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	7791	0.40	ng	-0.04
34) Perylene-d12	23.67	264	8801	0.40	ng	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	442	0.29	ng	0.00
5) Phenol-d6	6.84	99	685	0.33	ng	-0.04
8) Nitrobenzene-d5	8.86	82	674	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.07	152	1534	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	231	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.96	172	2039	0.29	ng	-0.01
25) Fluoranthene-d10	19.10	212	30857	0.39	ng	-0.03
29) Terphenyl-d14	19.70	244	5296	0.35	ng	-0.03

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	557	0.024	ng	# 69
12) 2-Methylnaphthalene	12.15	142	81	0.021	ng	# 79
16) Acenaphthylene	14.05	152	339	0.040	ng	95
18) Fluorene	15.38	166	161	0.023	ng	84
22) Pentachlorophenol	16.77	266	110	0.358	ng	98
23) Phenanthrene	17.11	178	3589	0.273	ng	98
24) Anthracene	17.20	178	547	0.049	ng	# 93
26) Fluoranthene	19.13	202	6730	0.314	ng	99
28) Pyrene	19.49	202	7463	0.374	ng	97
30) Benzo(a)anthracene	21.23	228	4790	0.209	ng	94
31) Chrysene	21.28	228	5094	0.189	ng	97
32) Bis(2-ethylhexyl)phthalate	21.16	149	14357	0.544	ng	98
33) Indeno(1,2,3-cd)pyrene	26.23	276	3010	0.078	ng	# 99
35) Benzo(b)fluoranthene	22.93	252	5281	0.223	ng	# 84
36) Benzo(k)fluoranthene	22.97	252	2382m	0.084	ng	
37) Benzo(a)pyrene	23.56	252	3678	0.150	ng	# 83
38) Dibenzo(a,h)anthracene	26.25	278	1195	0.046	ng	# 69
39) Benzo(a,h,i)perylene	27.01	276	3245	0.118	ng	# 91

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

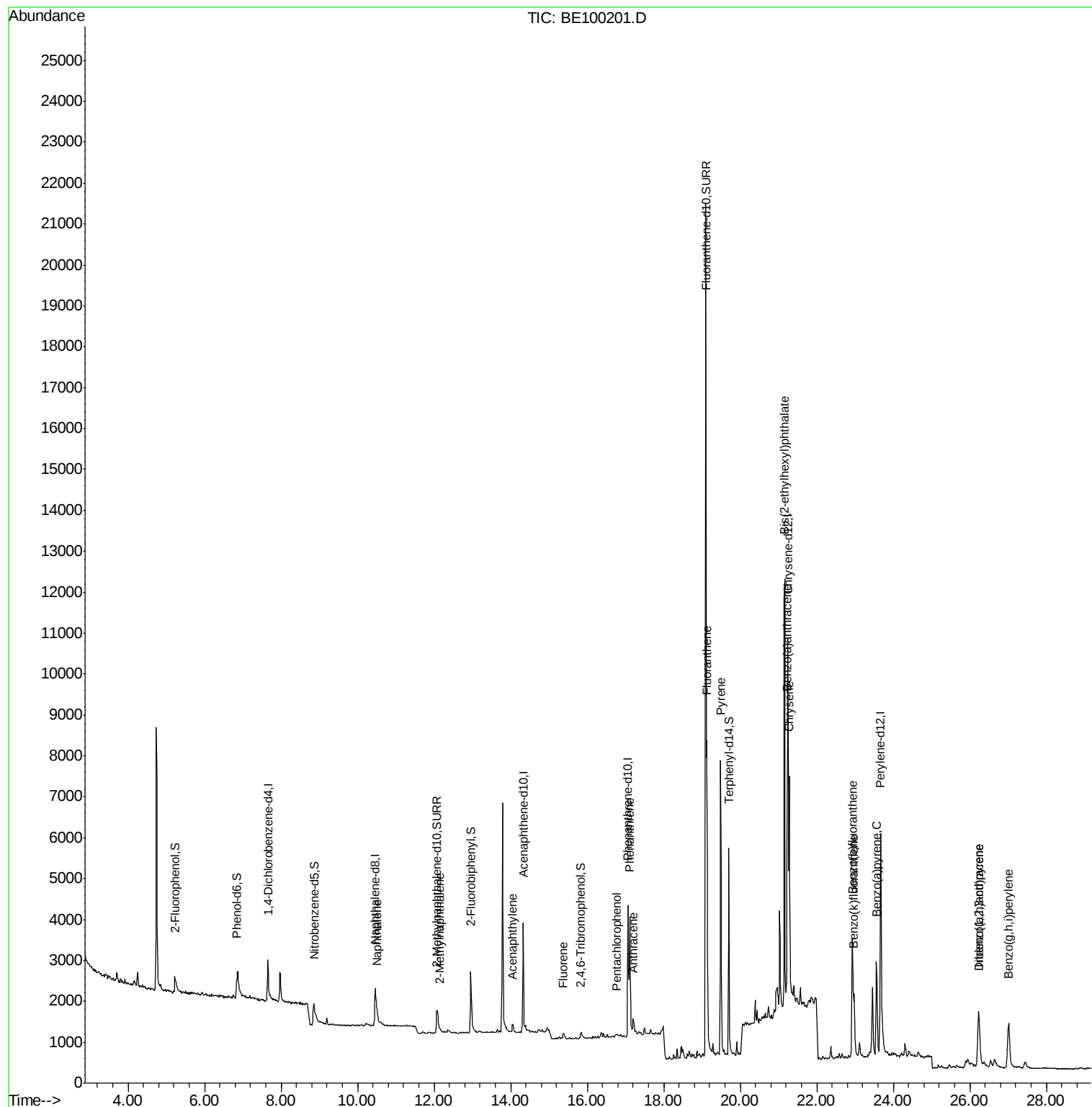
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100201.D
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#1

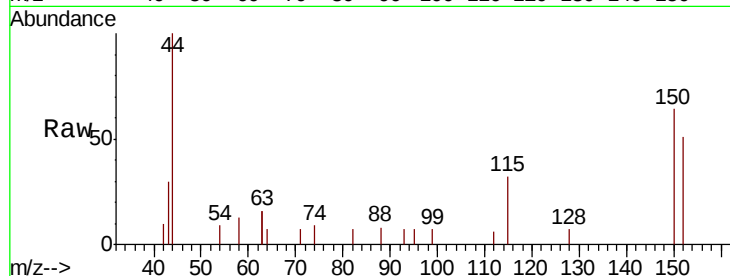
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	126.1	113.4	170.2
115	62.6	55.8	83.6

Manual Integrations
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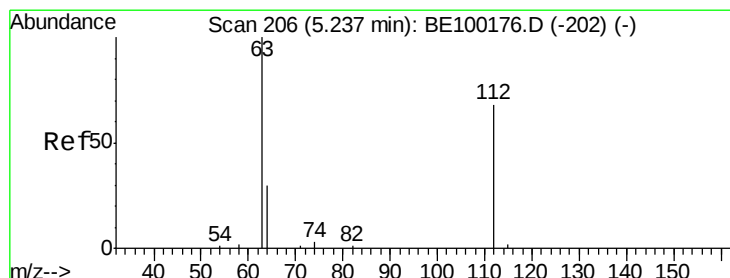
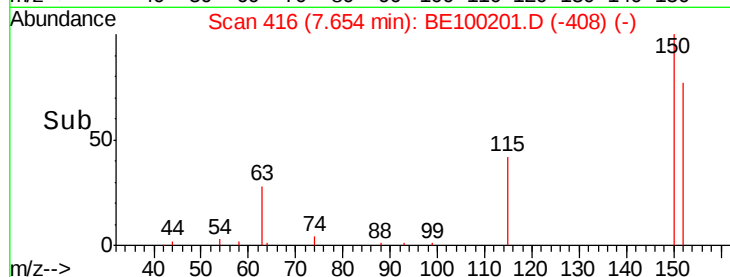
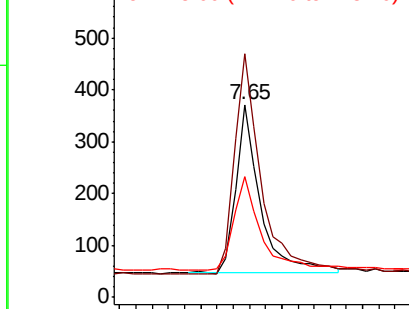


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

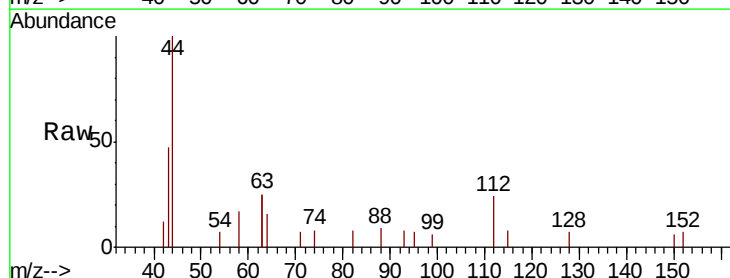
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.290 ng
RT: 5.24 min Scan# 206
Delta R.T. -0.00 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	40.7	61.1
63	150.5	93.2	139.8

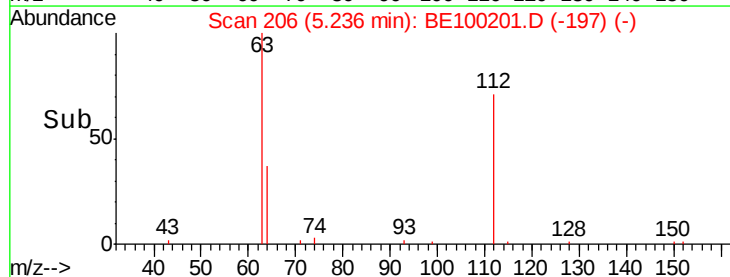
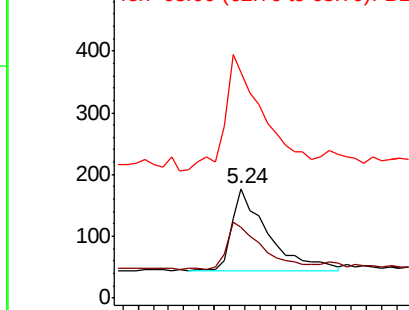


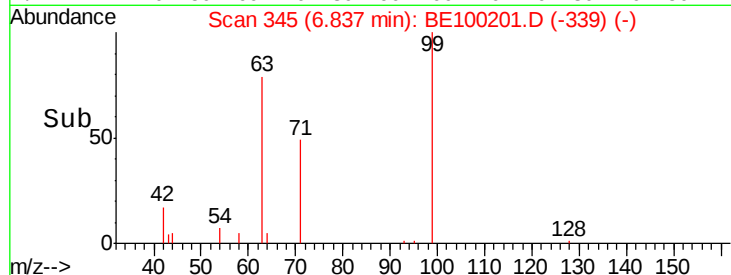
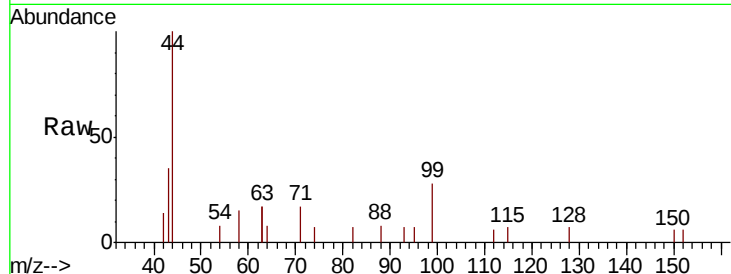
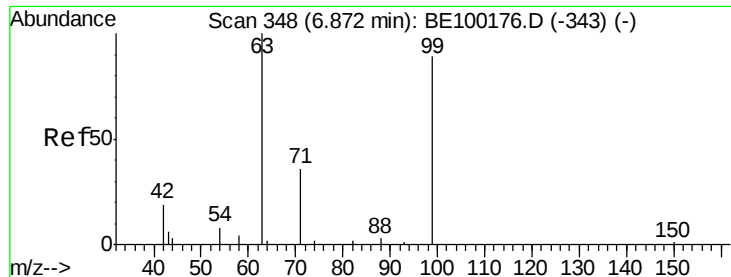
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





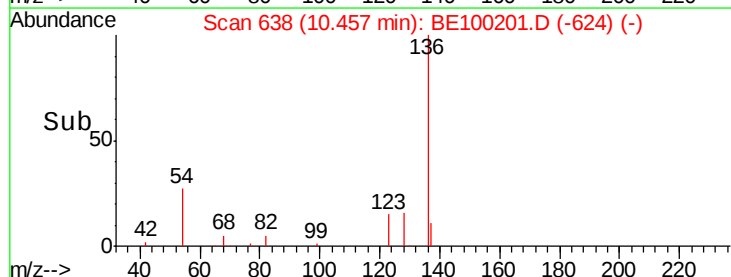
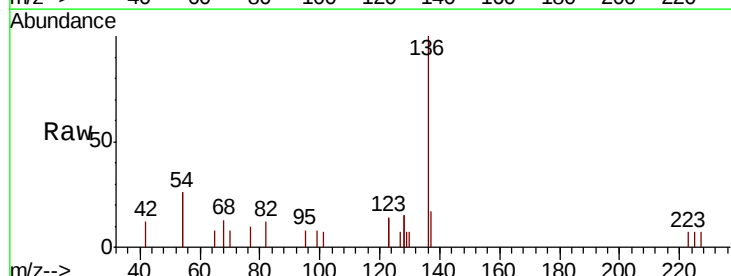
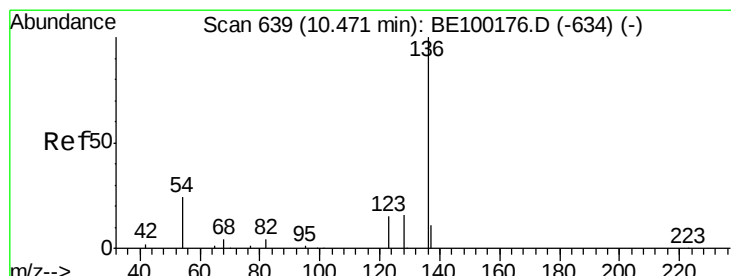
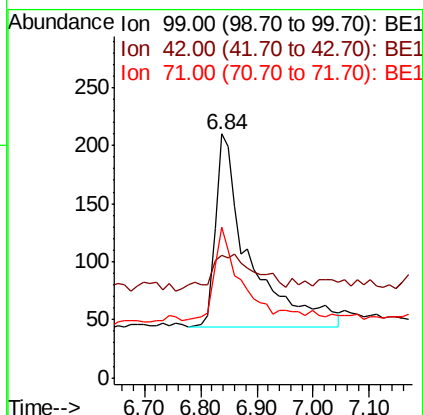
#5
Phenol-d6
Concen: 0.327 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.04 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	10.4	15.6#
71	35.8	32.4	48.6

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

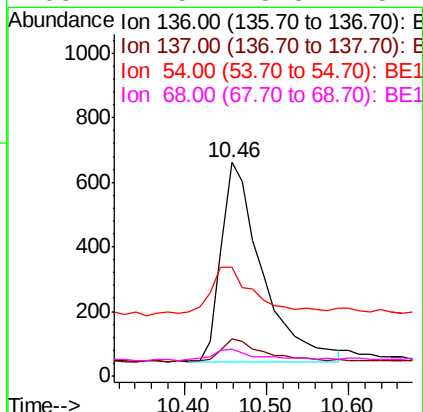
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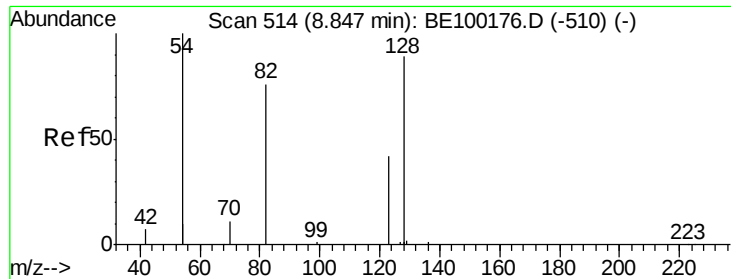
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	17.2	13.8	20.8
54	51.1	35.4	53.2
68	12.5	8.8	13.2





#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.86 min Scan# 515

Delta R.T. 0.01 min

Lab File: BE100201.D

Acq: 27 Jun 2019 12:04

Instrument :

BNA_E

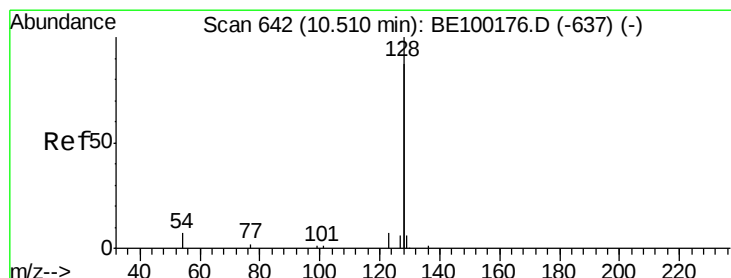
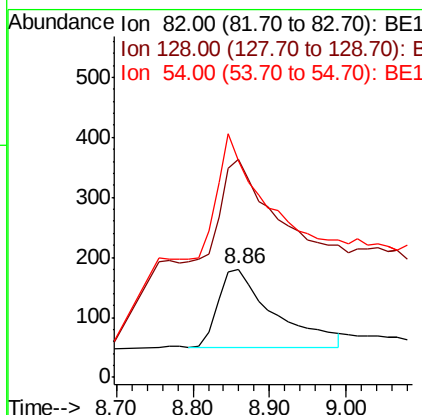
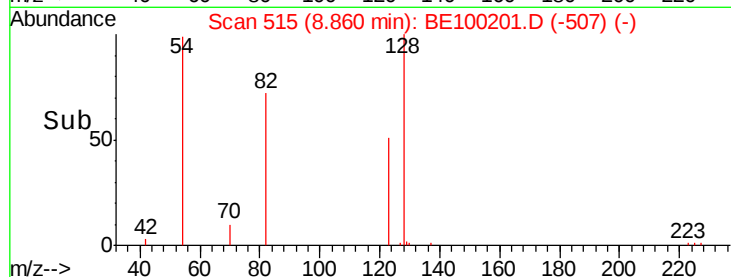
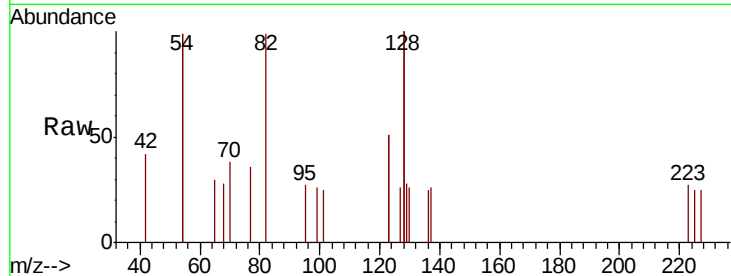
ClientSampleId :

PST-084-B045-061319

Tot Ion:	82	Resp:	674
Ion	Ratio	Lower	Upper
82	100		
128	202.2	144.6	217.0
54	201.1	163.0	244.6

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#9

Naphthalene

Concen: 0.024 ng

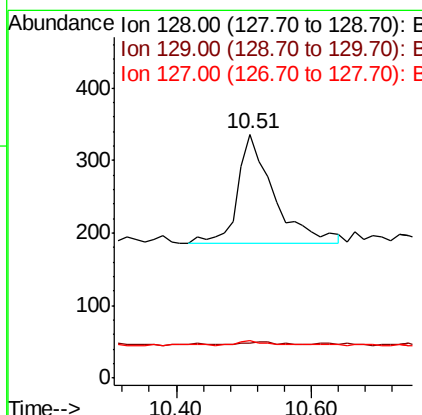
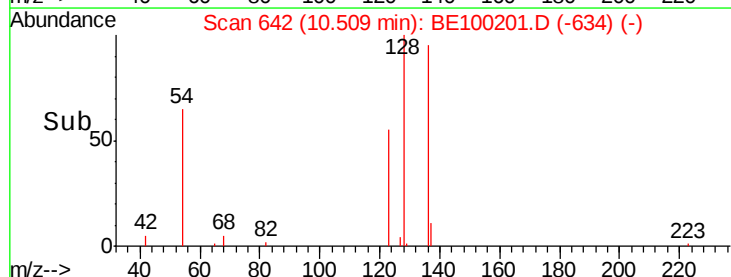
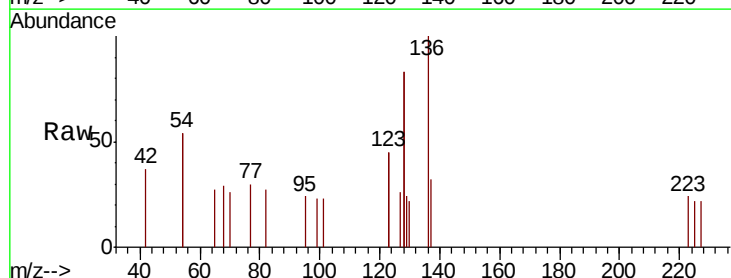
RT: 10.51 min Scan# 642

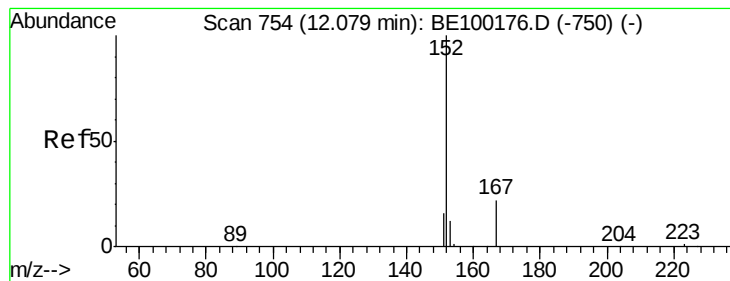
Delta R.T. -0.00 min

Lab File: BE100201.D

Acq: 27 Jun 2019 12:04

Tgt Ion:	128	Resp:	557
Ion	Ratio	Lower	Upper
128	100		
129	14.3	3.6	5.4#
127	15.5	3.8	5.8#





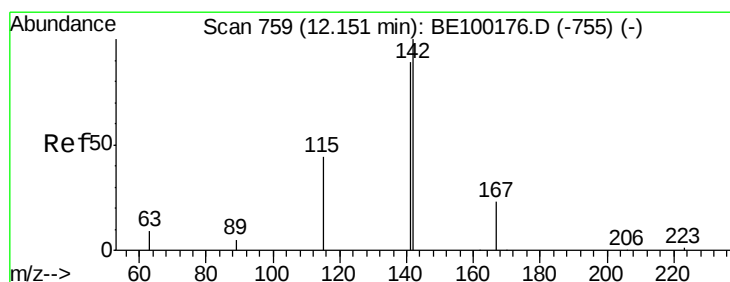
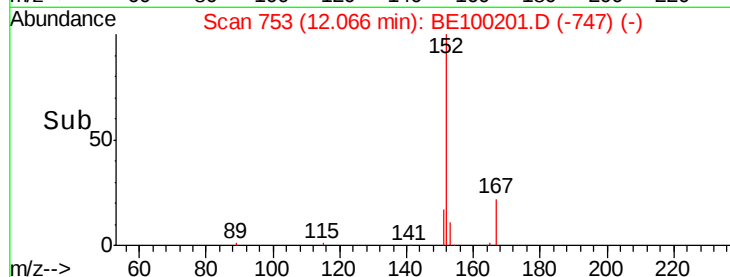
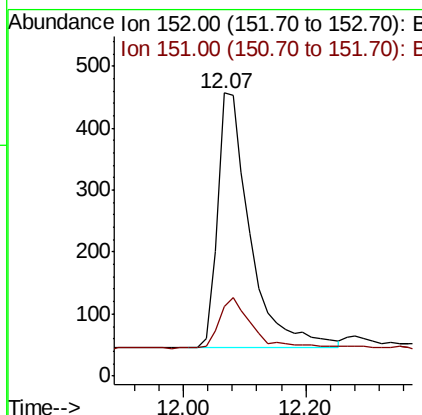
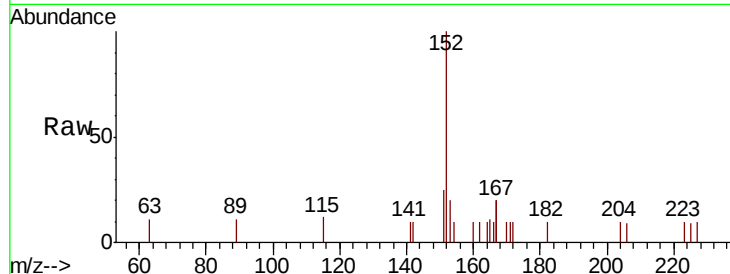
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.07 min Scan# 753
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5

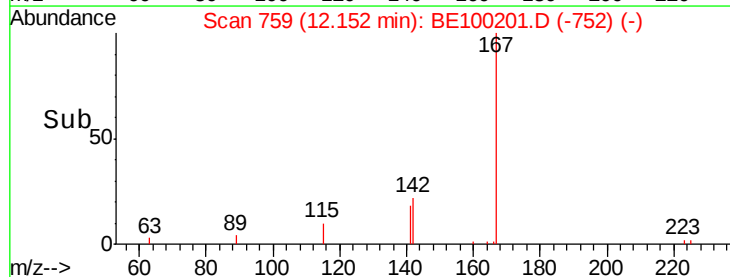
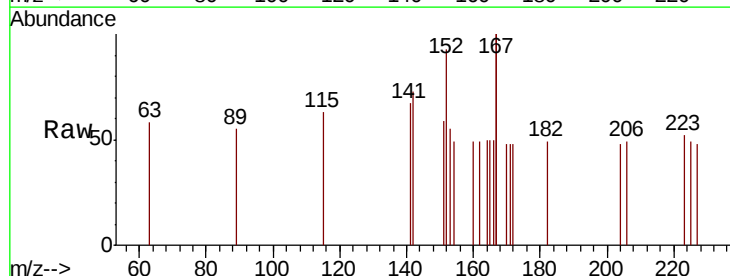
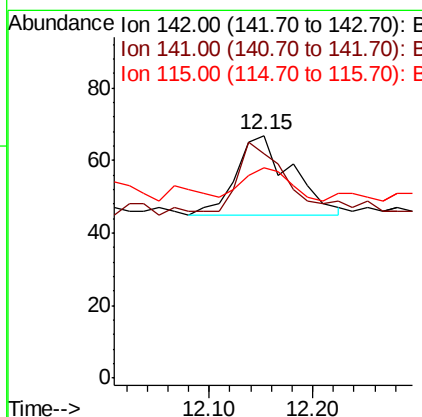
Manual Integrations
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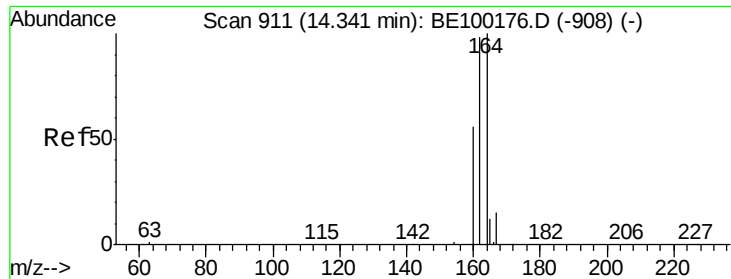
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#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.8	107.8
115	86.6	40.4	60.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 910

Delta R.T. -0.01 min

Lab File: BE100201.D

Acq: 27 Jun 2019 12:04

Instrument :

BNA_E

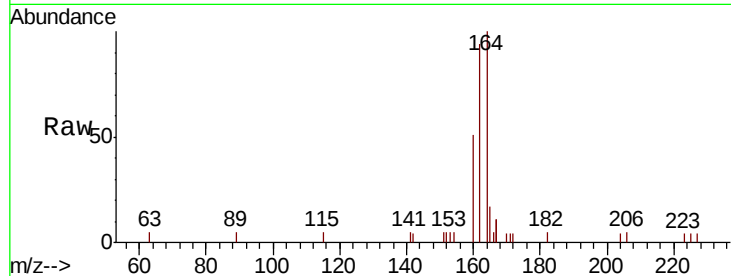
ClientSampleId :

PST-084-B045-061319

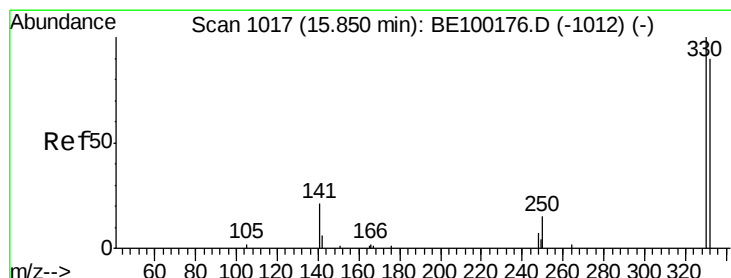
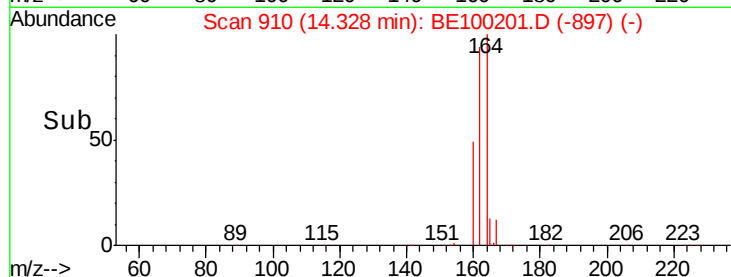
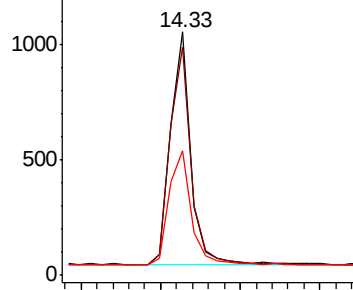
Tot Ion:	164	Resp:	1757
Ion	Ratio	Lower	Upper
164	100		
162	93.7	78.6	118.0
160	51.3	46.9	70.3

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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: 0.227 ng

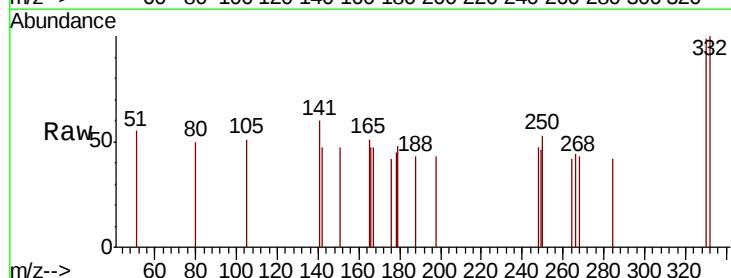
RT: 15.84 min Scan# 1016

Delta R.T. -0.01 min

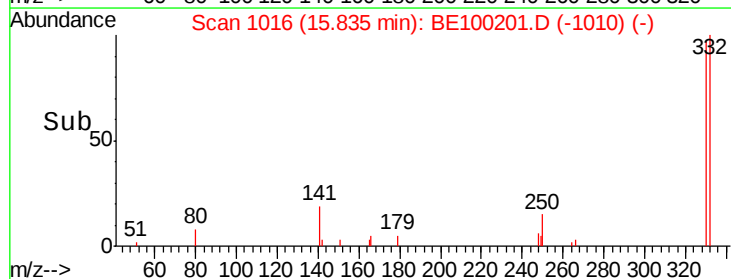
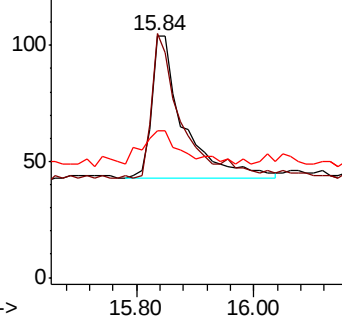
Lab File: BE100201.D

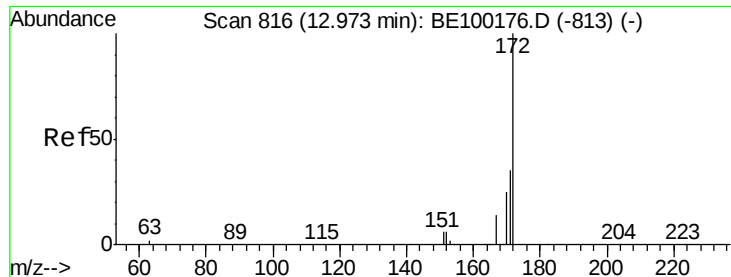
Acq: 27 Jun 2019 12:04

Tgt Ion:	330	Resp:	231
Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.7	116.5
141	27.7	18.9	28.3



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





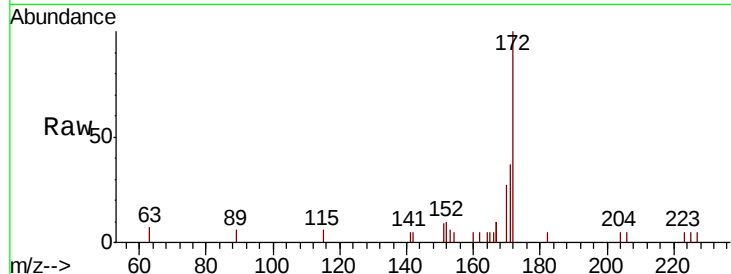
#15
2-Fluorobiphenyl
Concen: 0.289 ng
RT: 12.96 min Scan# 815
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.0	46.4
170	26.7	23.9	35.9

Manual Integrations
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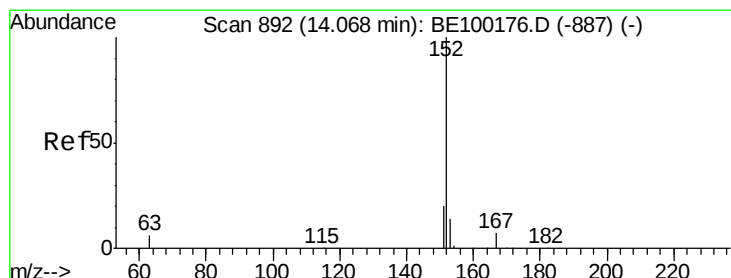
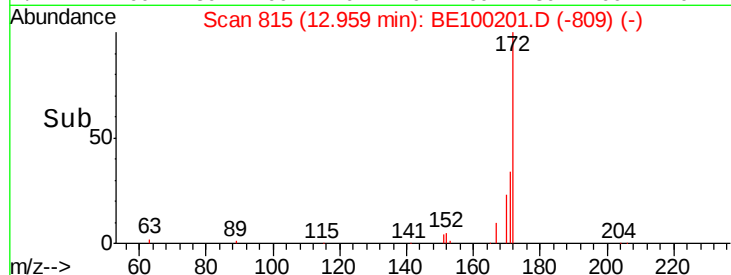
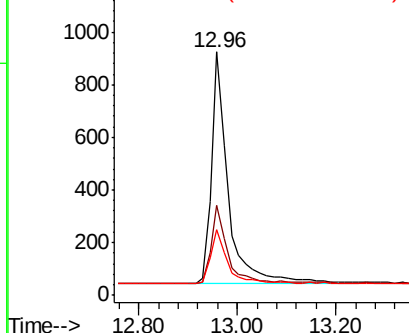


Abundance

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: 0.040 ng
RT: 14.05 min Scan# 891
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

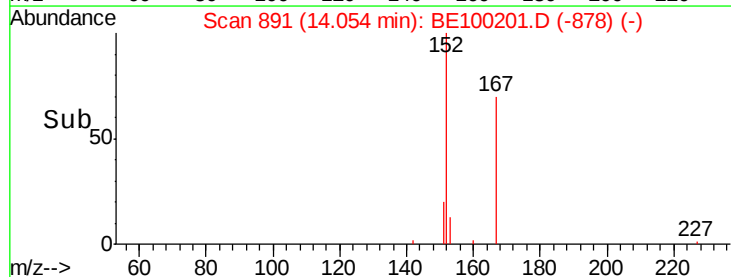
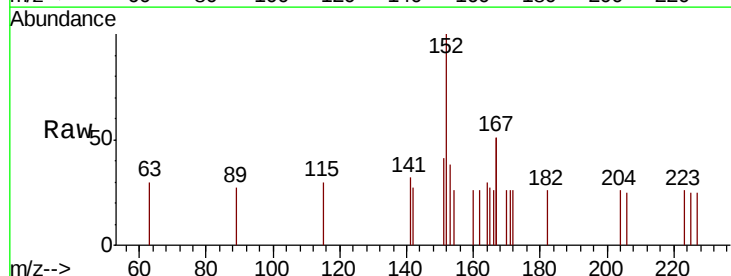
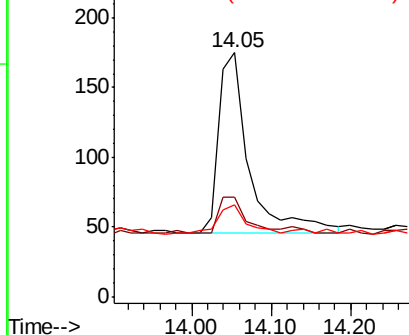
Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.1	15.4	23.0
153	15.3	10.8	16.2

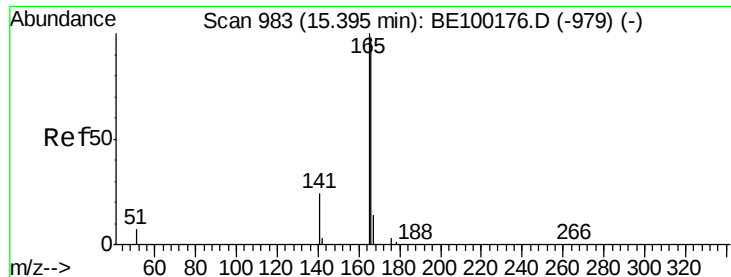
Abundance

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





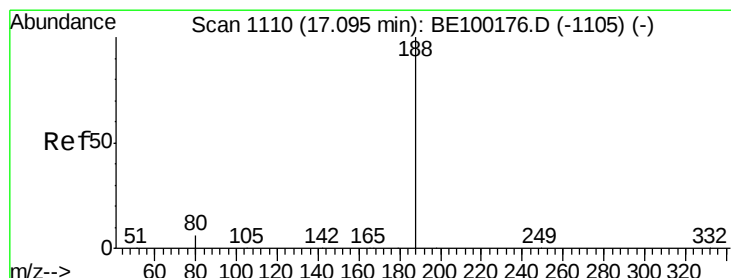
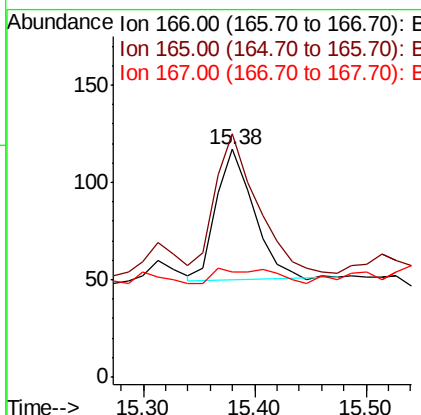
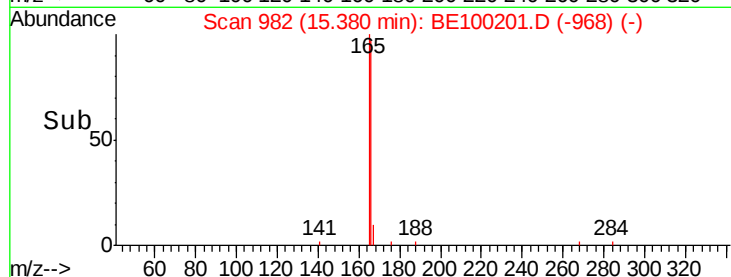
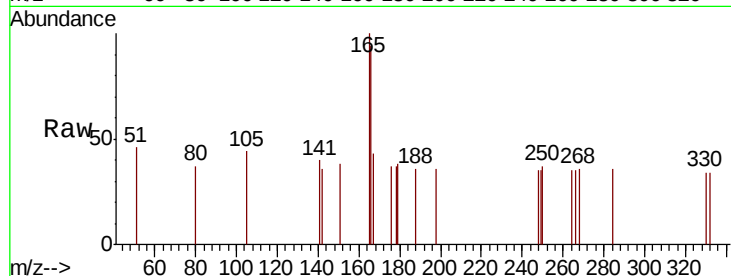
#18
Fluorene
Concen: 0.023 ng
RT: 15.38 min Scan# 982
Delta R.T. -0.01 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
166	100		
165	118.6	81.0	121.4
167	16.8	11.4	17.0

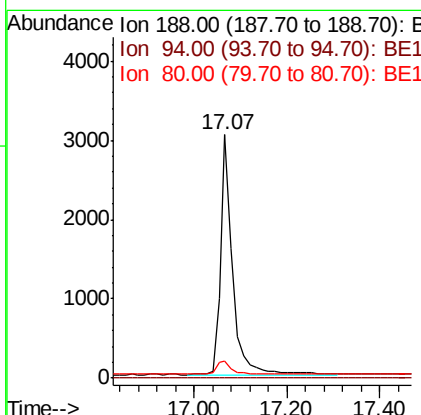
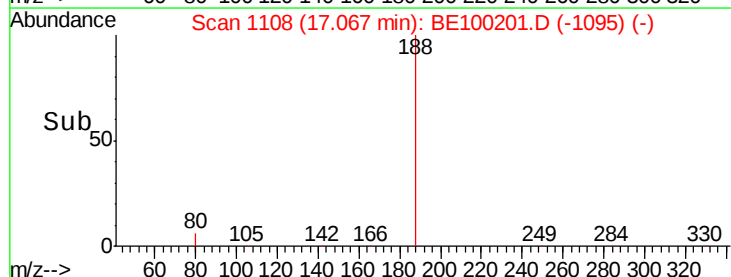
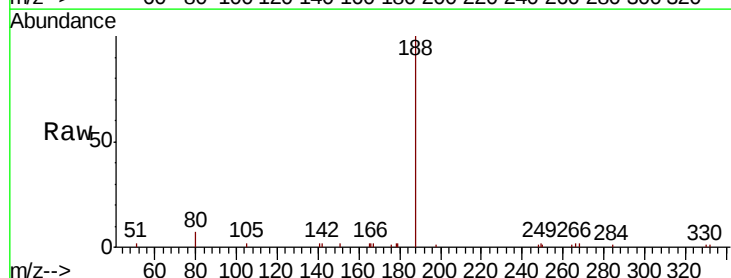
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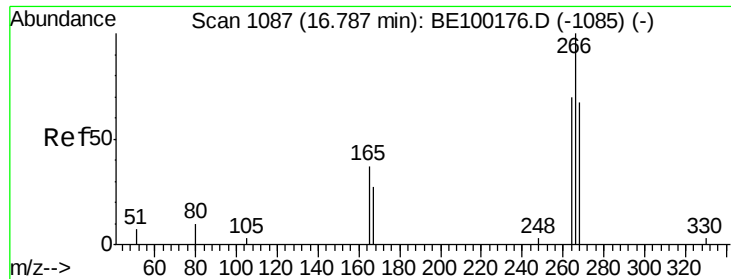
mohammad
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.03 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.2	6.4	9.6





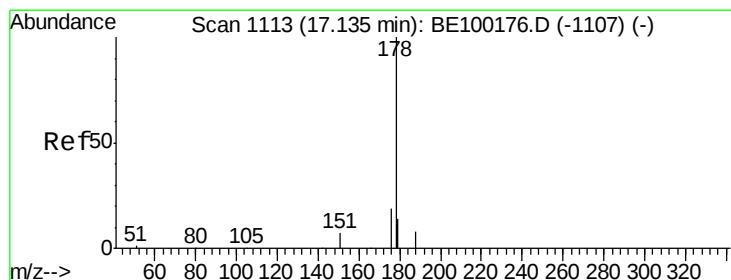
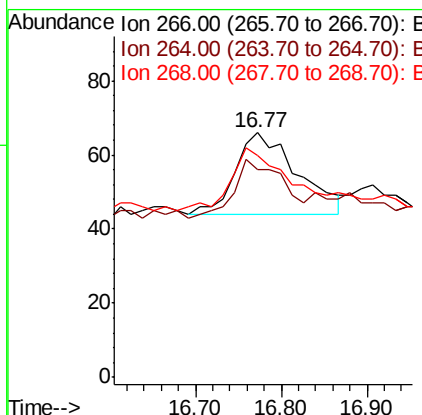
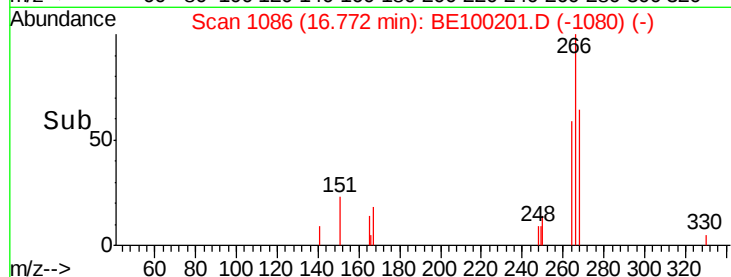
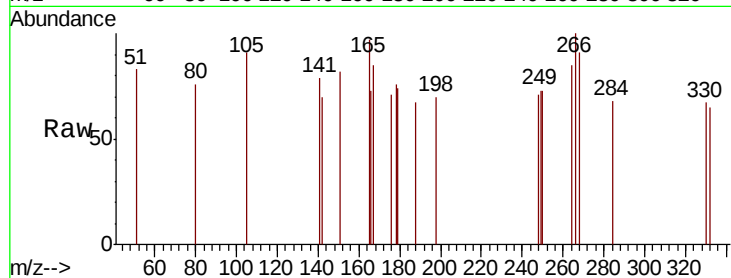
#22
 Pentachlorophenol
 Concen: 0.358 ng
 RT: 16.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Tot Ion:	266	Resp:	110
Ion	Ratio	Lower	Upper
266	100		
264	84.8	67.7	101.5
268	90.9	69.8	104.6

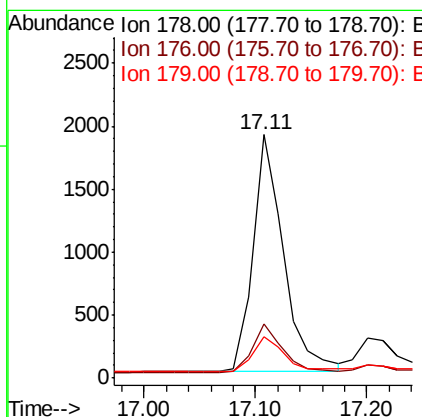
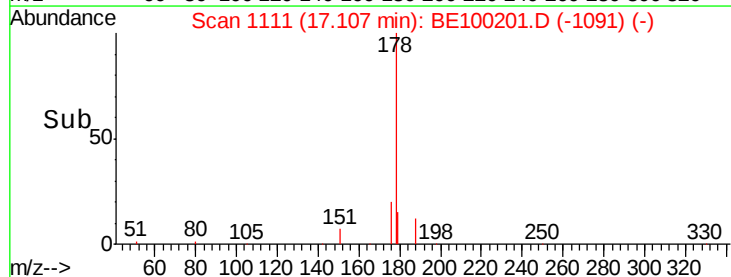
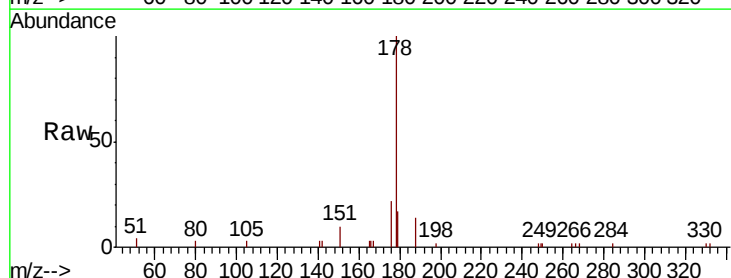
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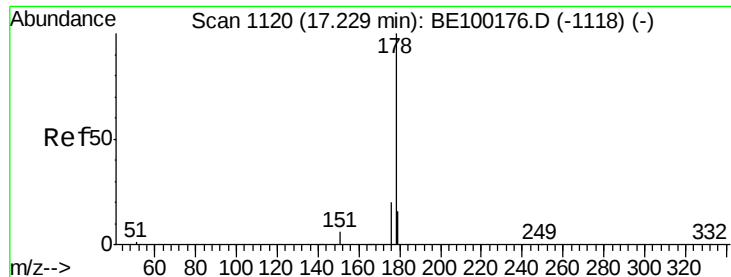
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#23
 Phenanthrene
 Concen: 0.273 ng
 RT: 17.11 min Scan# 1111
 Delta R.T. -0.03 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Tgt Ion:	178	Resp:	3589
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.5	23.3
179	15.8	12.2	18.2





#24

Anthracene

Concen: 0.049 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.03 min

Lab File: BE100201.D

Acq: 27 Jun 2019 12:04

Instrument :

BNA_E

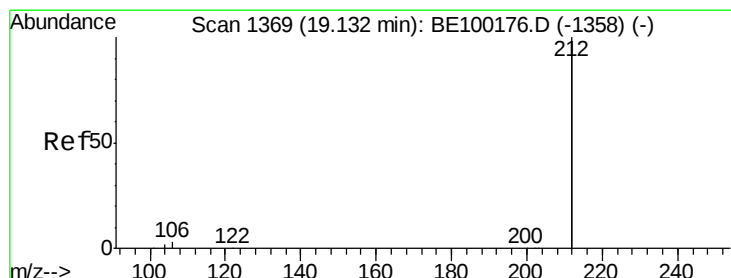
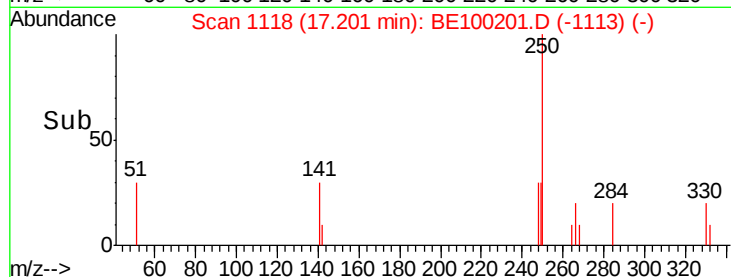
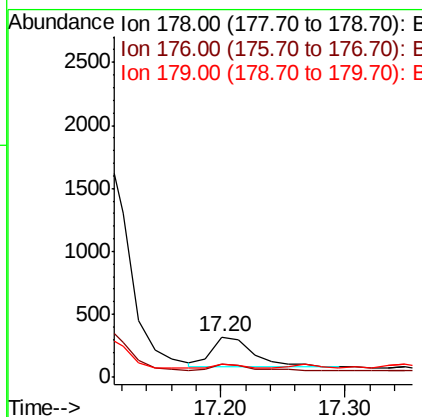
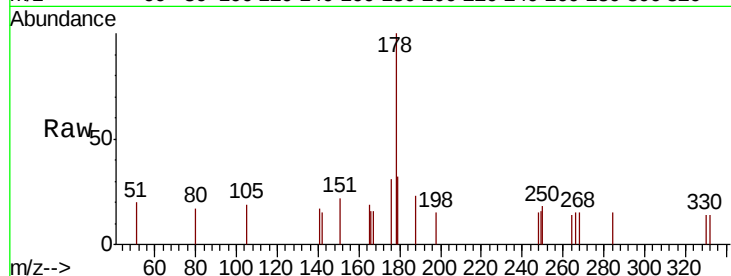
ClientSampleId :

PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	9.9	12.9	19.3

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#25

Fluoranthene-d10

Concen: 0.385 ng

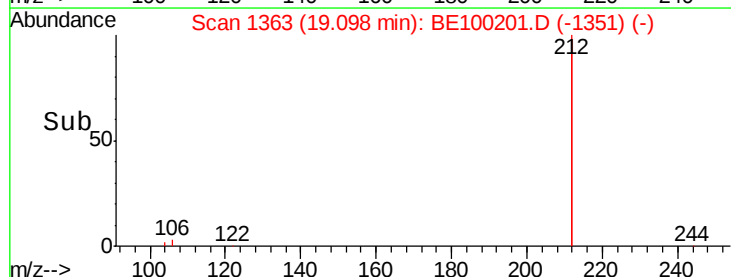
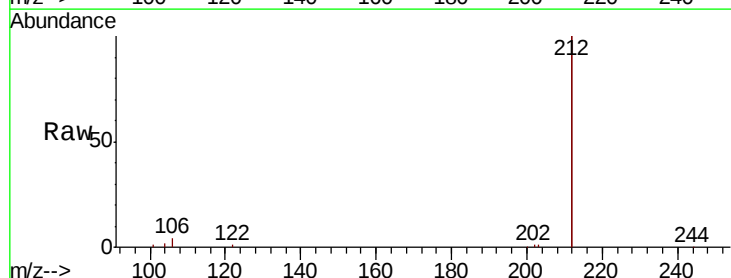
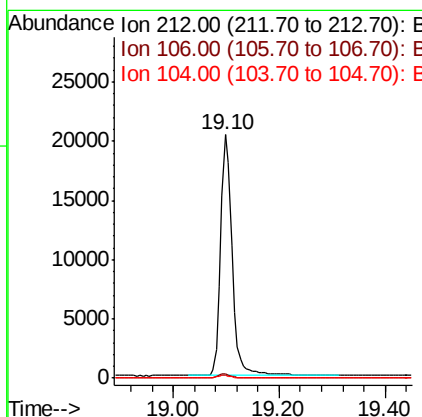
RT: 19.10 min Scan# 1363

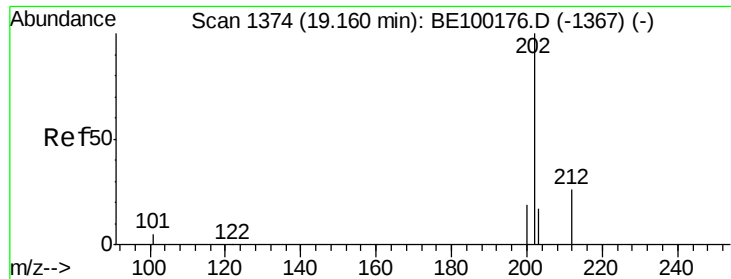
Delta R.T. -0.03 min

Lab File: BE100201.D

Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.7	1.1





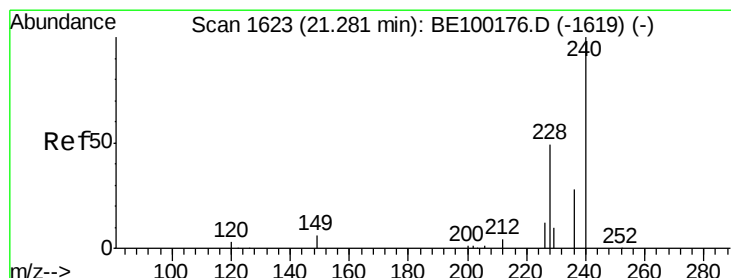
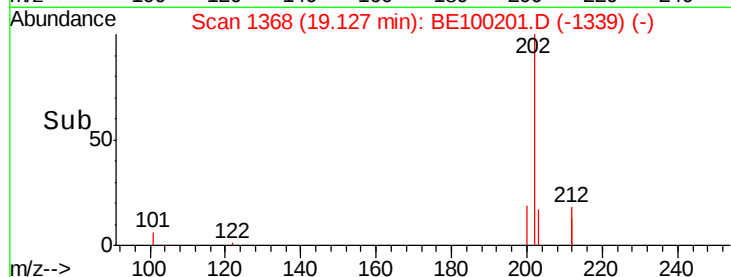
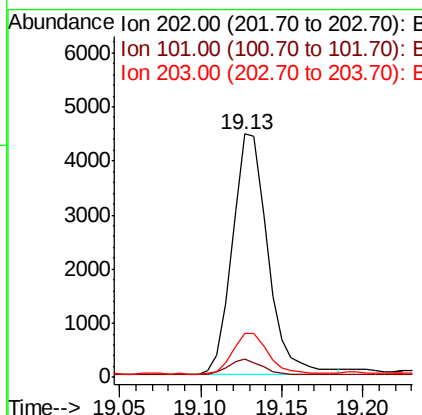
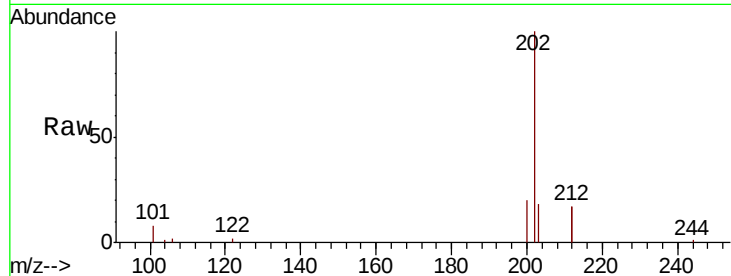
#26
 Fluoranthene
 Concen: 0.314 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. -0.03 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.4	4.5	6.7
203	16.8	13.7	20.5

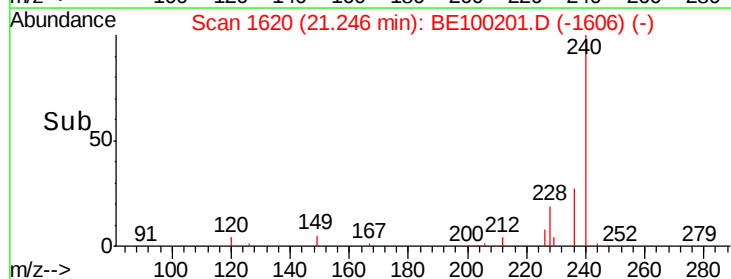
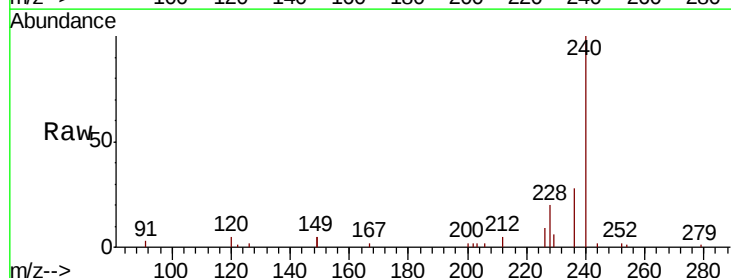
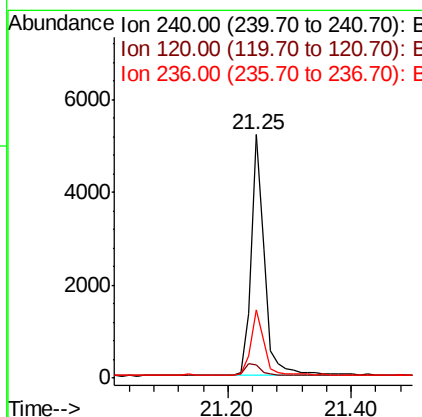
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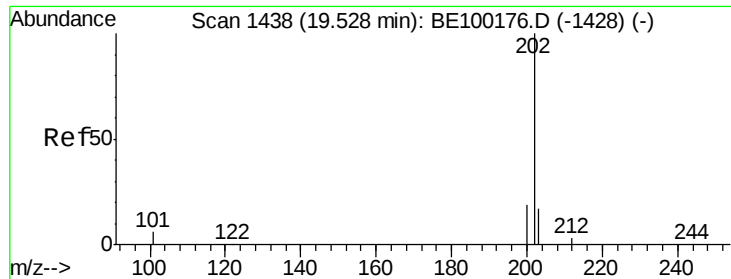
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. -0.04 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.1	6.1
236	28.2	23.0	34.6





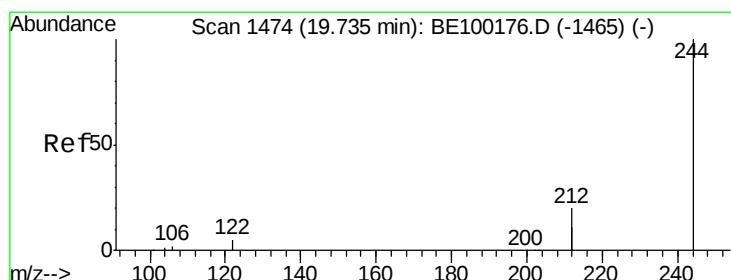
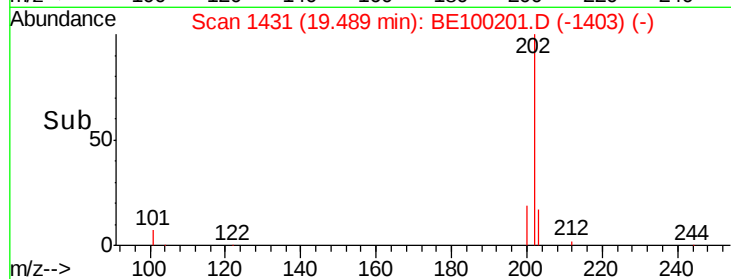
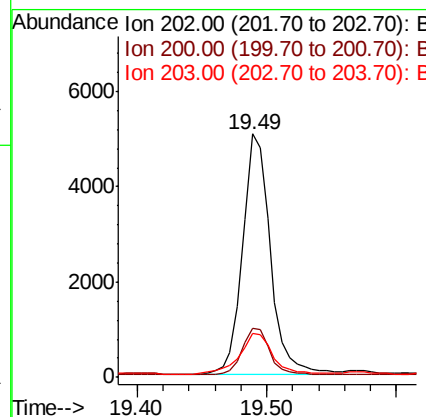
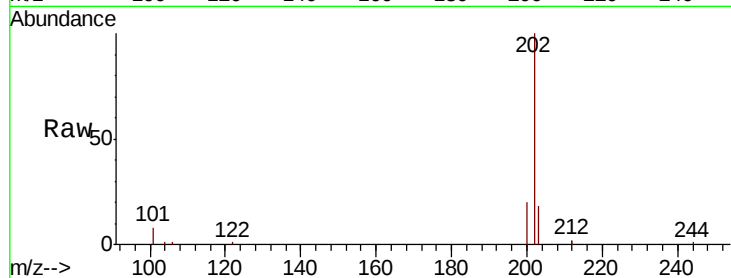
#28
Pvrene
Concen: 0.374 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.04 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.5	23.3
203	19.8	13.9	20.9

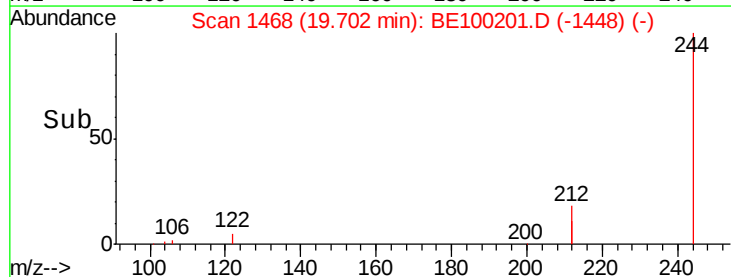
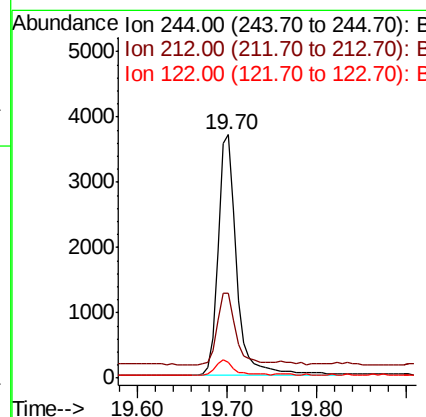
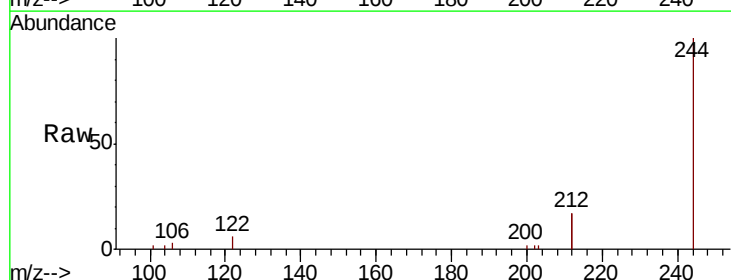
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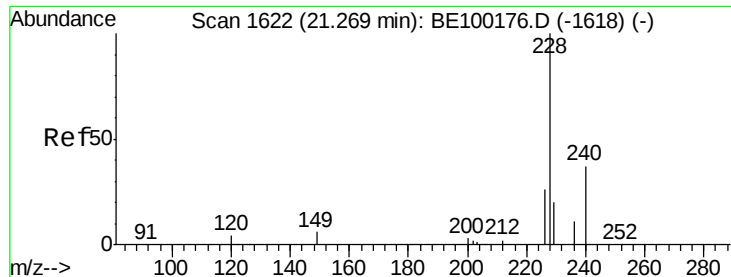
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#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.70 min Scan# 1468
Delta R.T. -0.03 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	34.9	30.7	46.1
122	6.2	5.8	8.6





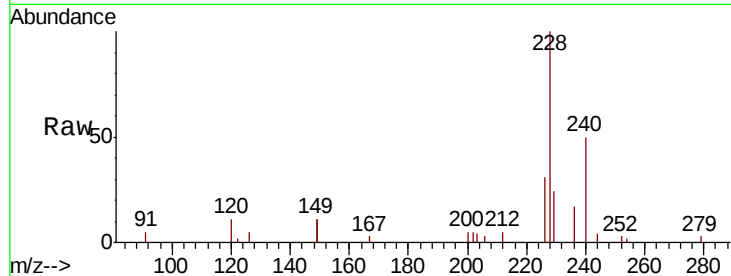
#30
Benzo(a)anthracene
Concen: 0.209 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.04 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.5	32.3
229	23.9	17.2	25.8

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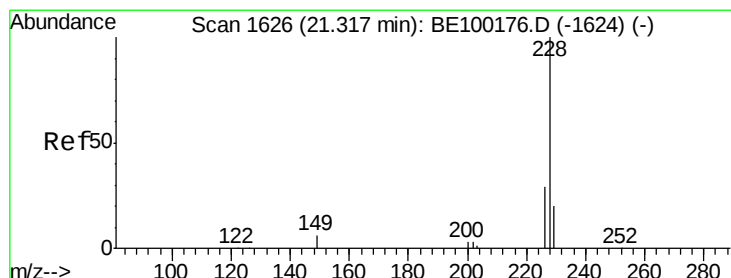
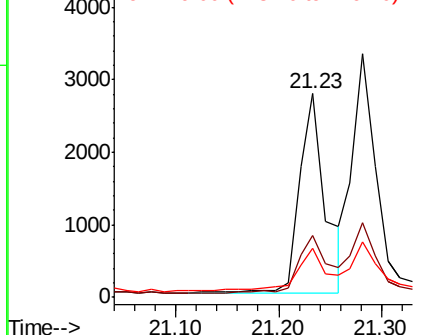
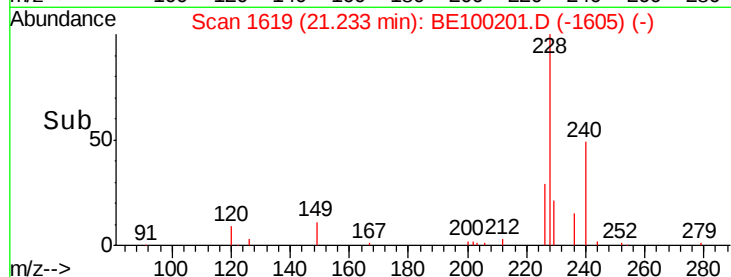


Abundance

Ion 228.00 (227.70 to 228.70): E

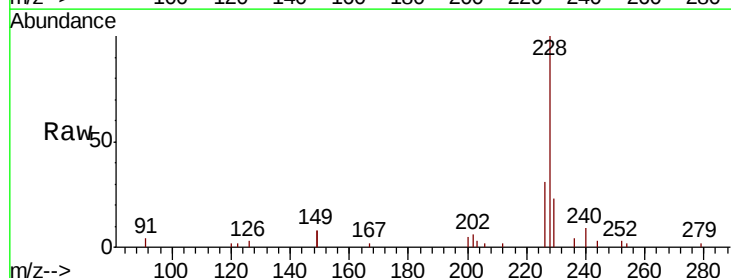
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.189 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.04 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	22.5	16.5	24.7

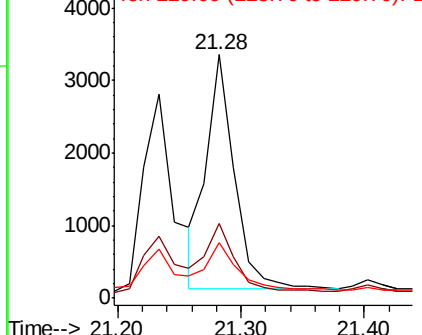
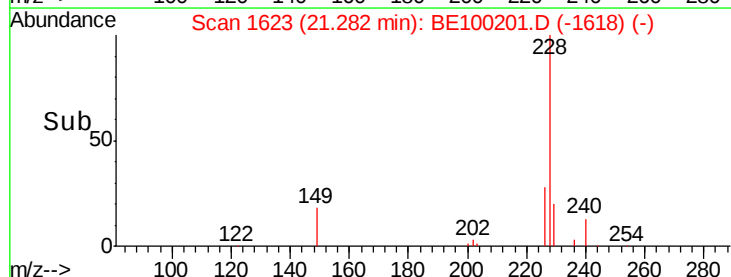


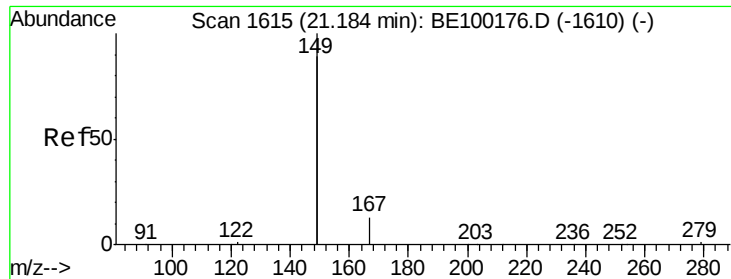
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





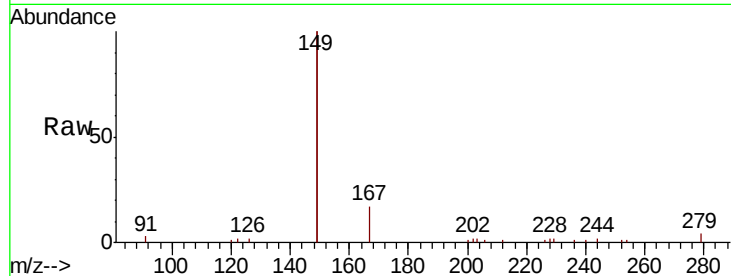
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.544 ng
RT: 21.16 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		14357		
167	8.0		5.9	8.9	
279	1.3		1.0	1.6	

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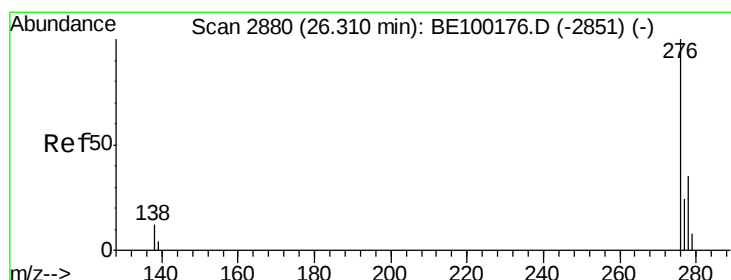
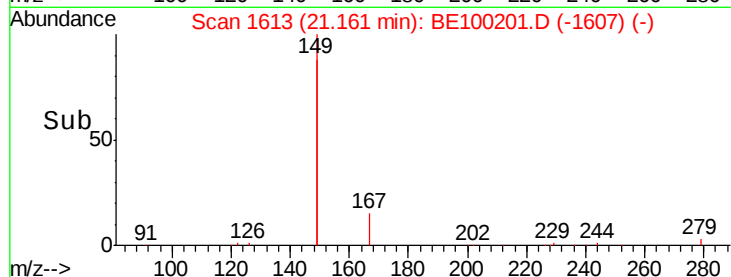
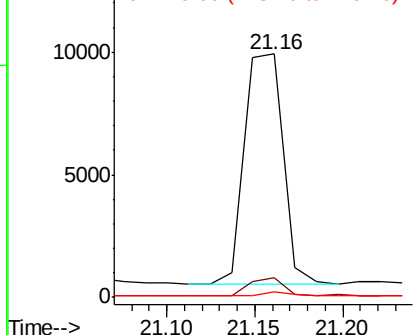


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.078 ng
RT: 26.23 min Scan# 2857
Delta R.T. -0.08 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

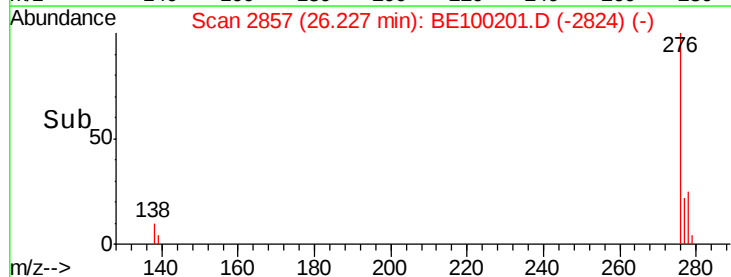
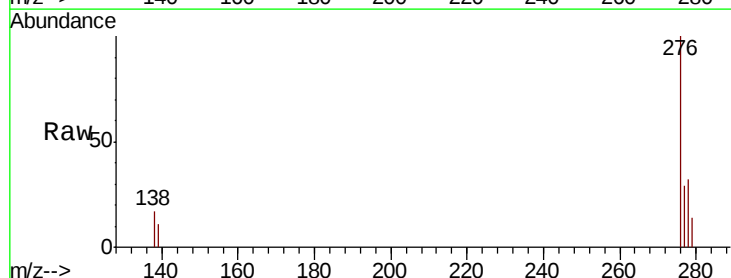
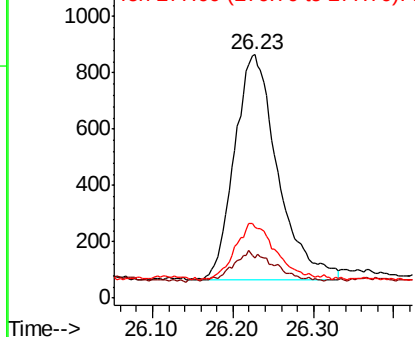
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		3010		
138	6.5		3.7	5.5#	
277	23.3		18.7	28.1	

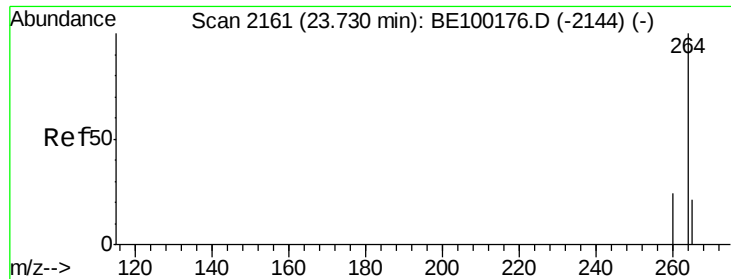
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





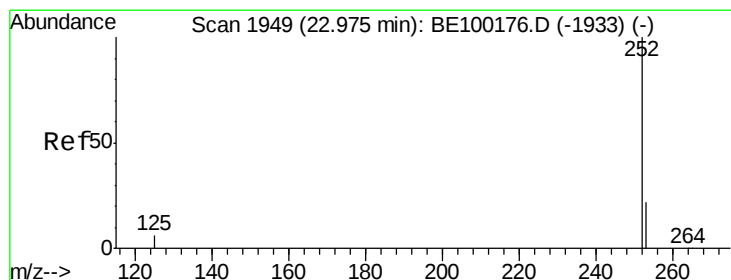
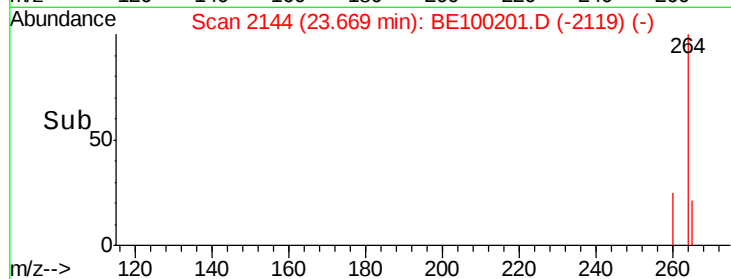
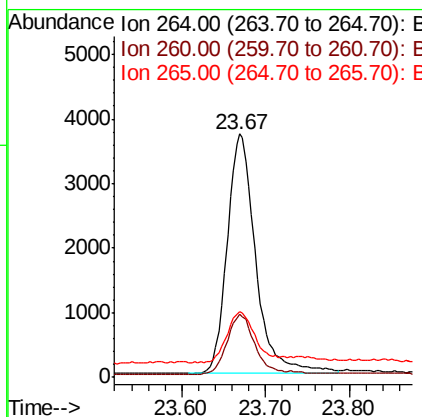
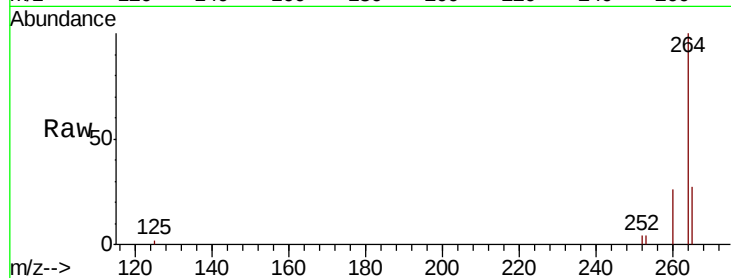
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. -0.06 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	26.9	22.5	33.7

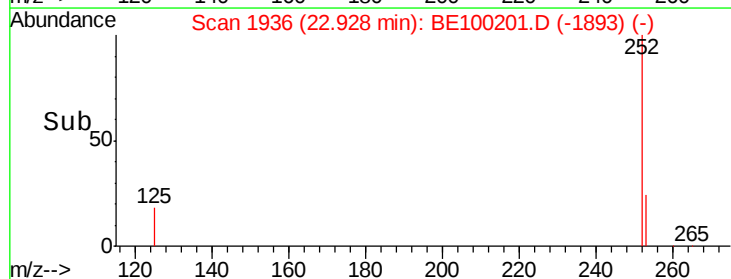
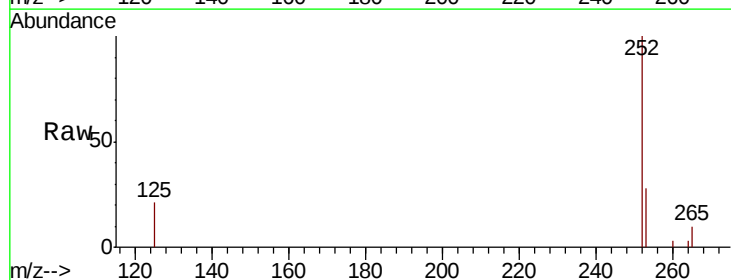
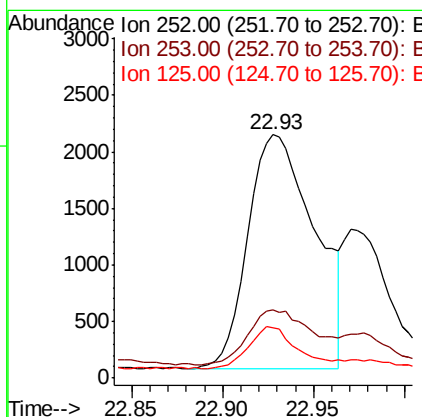
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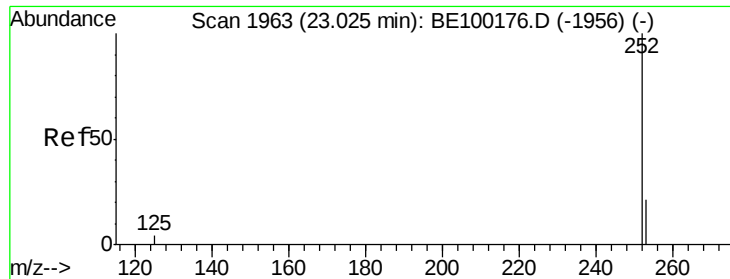
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#35
Benzo(b)fluoranthene
Concen: 0.223 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.05 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	19.0	28.4
125	20.9	6.3	9.5#





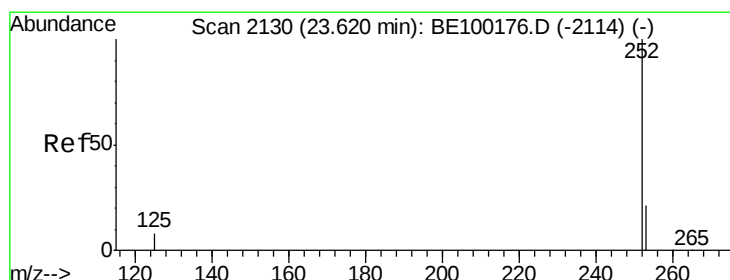
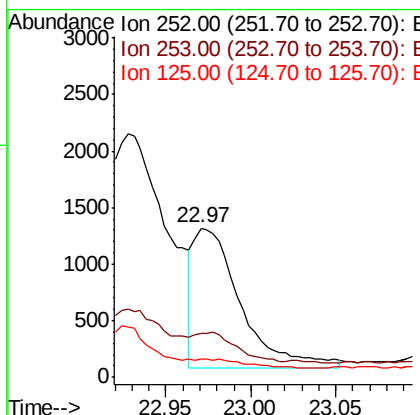
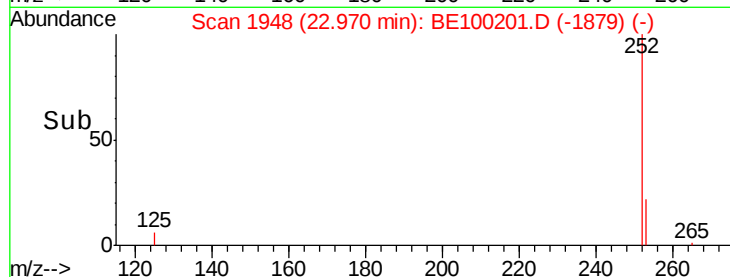
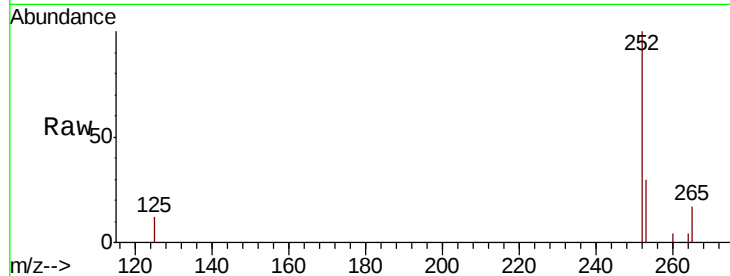
#36
Benzo(k)fluoranthene
Concen: 0.084 ng m
RT: 22.97 min Scan# 1948
Delta R.T. -0.05 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.4	27.6#
125	12.5	5.0	7.4#

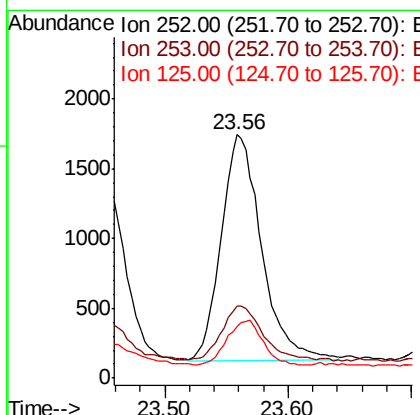
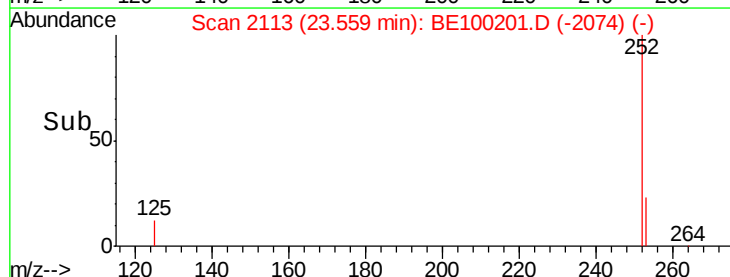
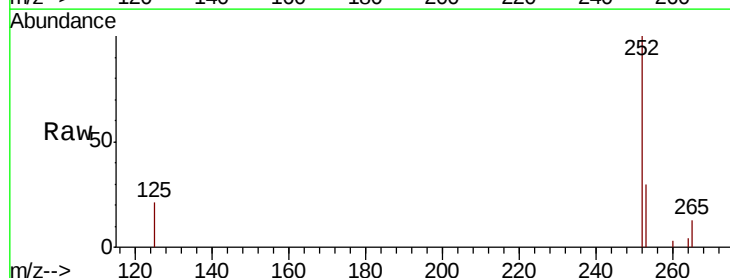
Manual Integrations
APPROVED

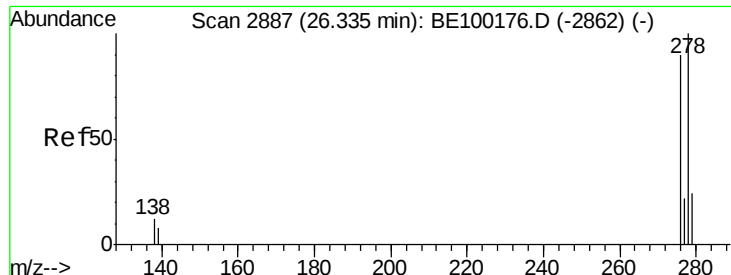
mohammad
7/1/2019 8:11:29 AM



#37
Benzo(a)pyrene
Concen: 0.150 ng
RT: 23.56 min Scan# 2113
Delta R.T. -0.06 min
Lab File: BE100201.D
Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.2	28.8#
125	21.3	8.2	12.2#





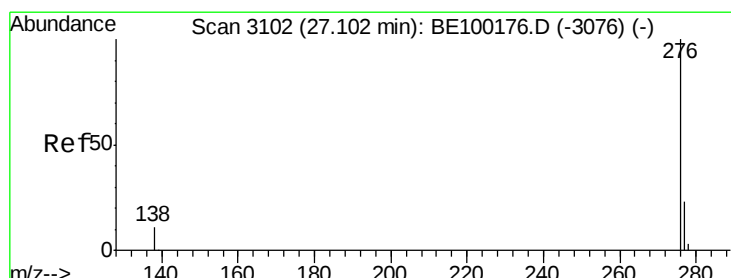
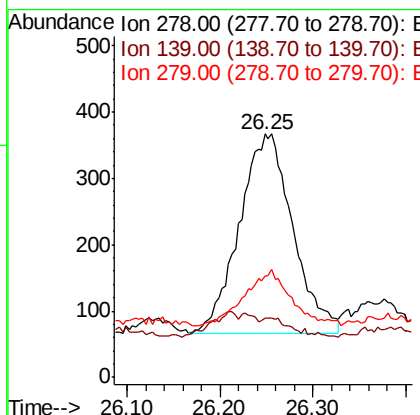
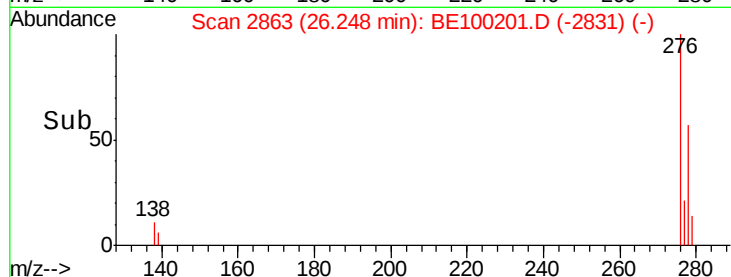
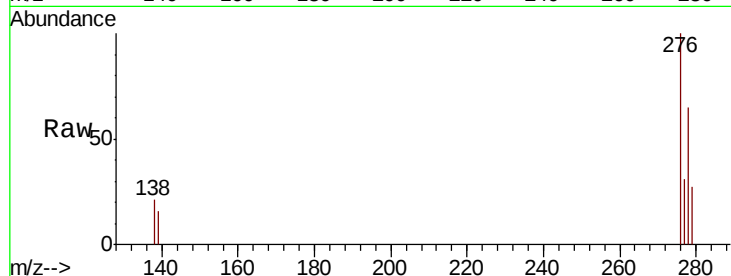
#38
 Dibenzo(a,h)anthracene
 Concen: 0.046 ng
 RT: 26.25 min Scan# 2863
 Delta R.T. -0.09 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.5	9.0	13.4#
279	41.7	21.1	31.7#

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:29 AM



#39
 Benzo(g,h,i)perylene
 Concen: 0.118 ng
 RT: 27.01 min Scan# 3077
 Delta R.T. -0.09 min
 Lab File: BE100201.D
 Acq: 27 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.8	29.6
138	15.6	10.2	15.4#

