

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100211.D
 Acq On : 27 Jun 2019 19:04
 Operator : JU/SJ
 Sample : K3428-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW055-061319

Manual Integrations
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 7/1/2019 8:11:55 AM

Quant Time: Jun 28 05:46:52 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 05:41:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	803	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2663	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2115	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6443	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	8267	0.40	ng	0.00
34) Perylene-d12	23.67	264	10012	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	504	0.28	ng	0.00
5) Phenol-d6	6.84	99	732	0.30	ng	-0.01
8) Nitrobenzene-d5	8.83	82	666	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	1847	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	334	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2194	0.26	ng	-0.01
25) Fluoranthene-d10	19.10	212	35105	0.38	ng	0.00
29) Terphenyl-d14	19.69	244	4446	0.27	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.50	128	1877	0.065	ng	# 91
12) 2-Methylnaphthalene	12.12	142	296	0.063	ng	# 90
16) Acenaphthylene	14.04	152	1246	0.121	ng	98
17) Acenaphthene	14.38	154	153	0.026	ng	93
18) Fluorene	15.37	166	366	0.044	ng	92
23) Phenanthrene	17.11	178	9845	0.645	ng	99
24) Anthracene	17.20	178	1030	0.080	ng	93
26) Fluoranthene	19.13	202	21131	0.851	ng	99
28) Pyrene	19.49	202	26403	1.247	ng	97
30) Benzo(a)anthracene	21.23	228	14815	0.608	ng	93
31) Chrysene	21.28	228	17839	0.624	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	4340	0.155	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.21	276	9059	0.223	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	17913	0.665	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	5799m	0.180	ng	
37) Benzo(a)pyrene	23.56	252	13318	0.477	ng	98
38) Dibenzo(a,h)anthracene	26.24	278	2487	0.083	ng	# 73
39) Benzo(a,h,i)perylene	27.01	276	9815	0.315	ng	97

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

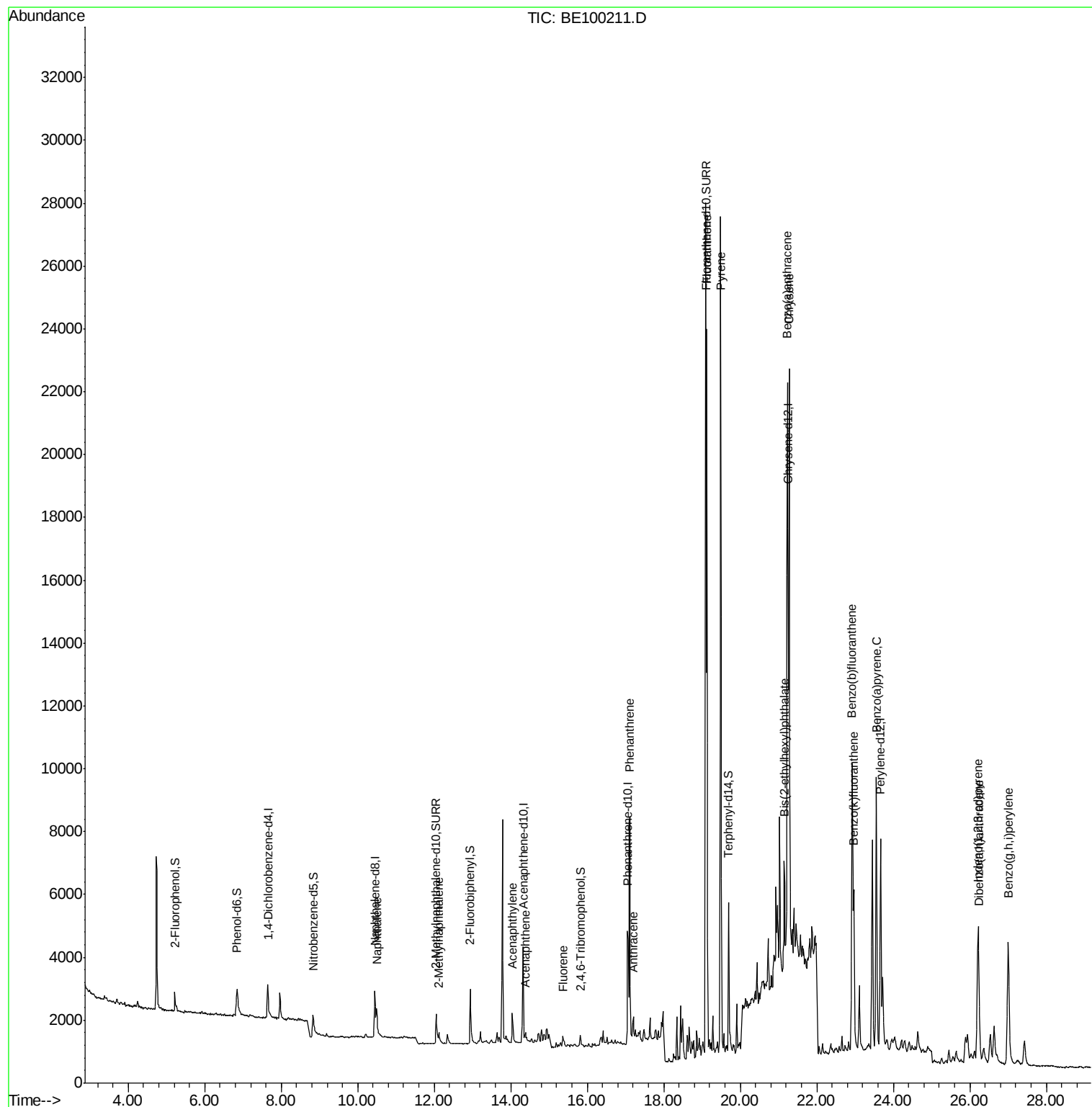
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
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#1

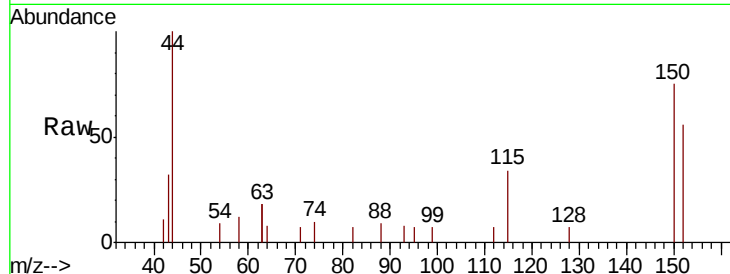
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

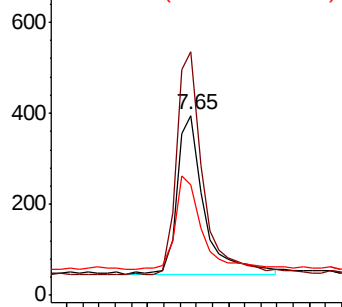
Tot Ion	Ratio	Lower	Upper
152	100		
150	135.1	113.4	170.2
115	61.4	55.8	83.6

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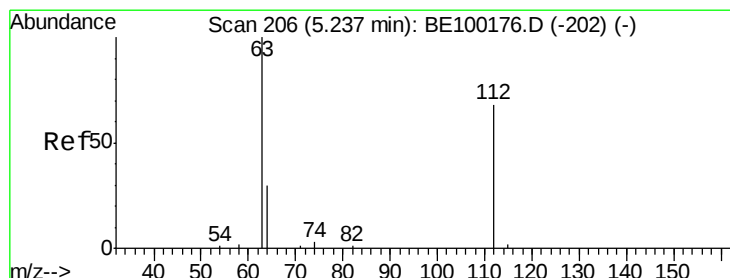
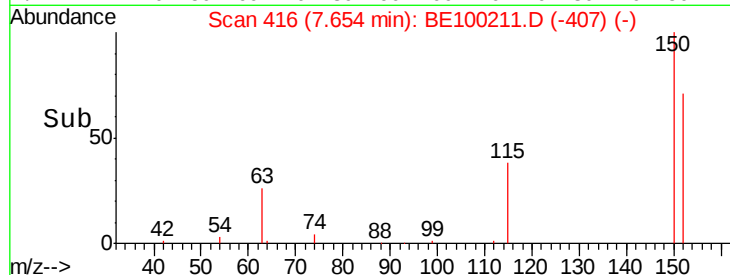
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



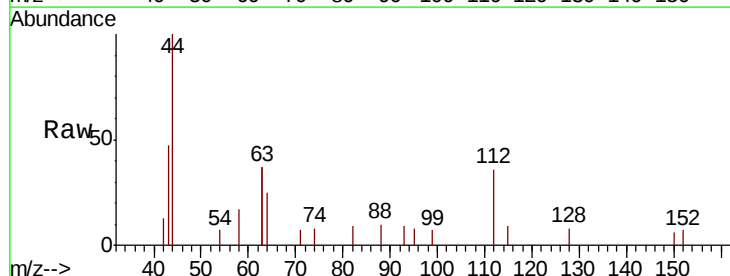
Time-->



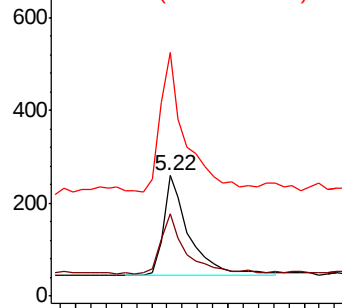
#4

2-Fluorophenol
Concen: 0.282 ng
RT: 5.22 min Scan# 205
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

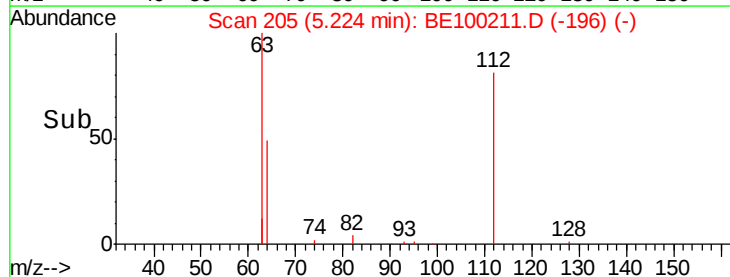
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	40.7	61.1
63	136.3	93.2	139.8

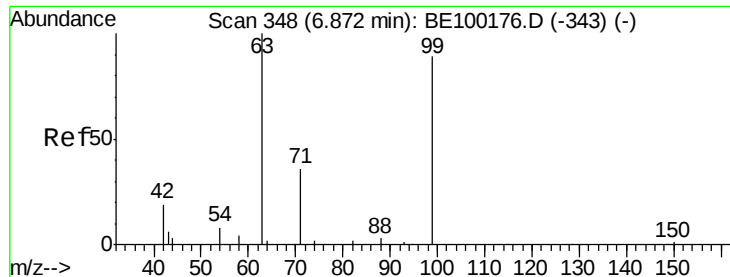


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.298 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Instrument :

BNA_E

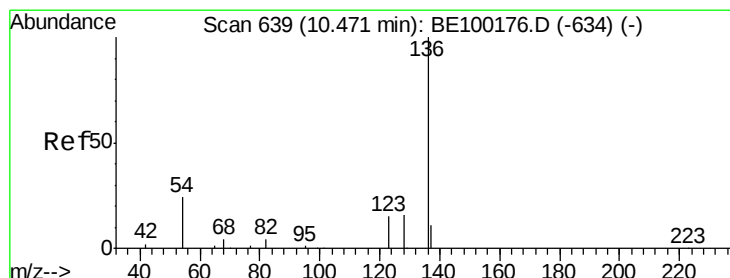
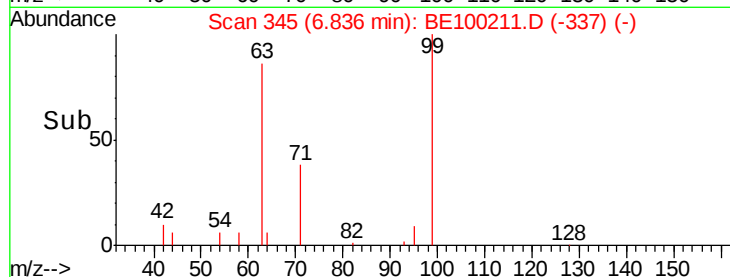
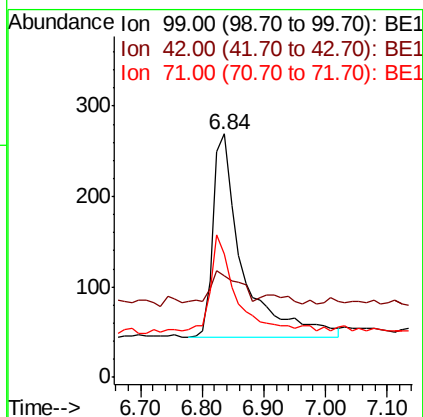
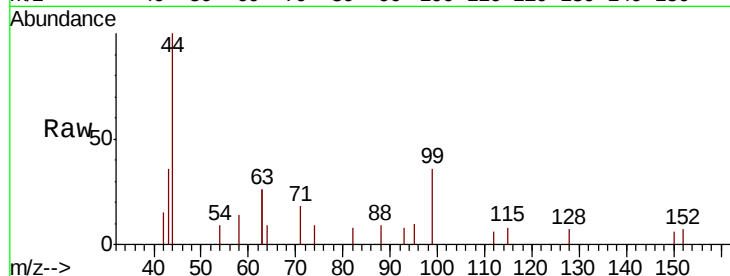
ClientSampleId :

PST-084-SW055-061319

Tot Ion:	99	Resp:	732
Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.4	15.6
71	40.2	32.4	48.6

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#7

Naphthalene-d8

Concen: 0.400 ng

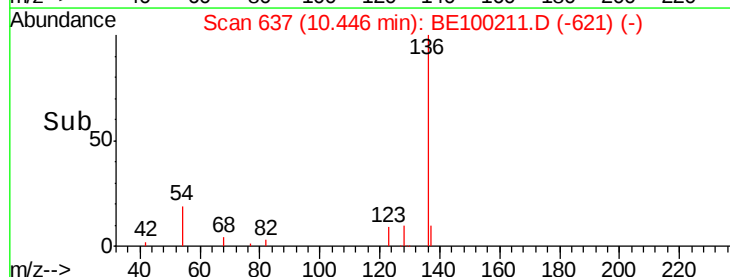
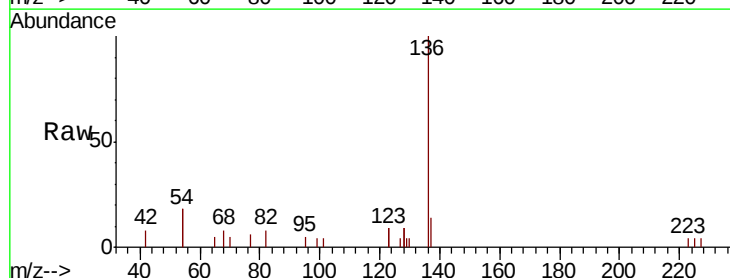
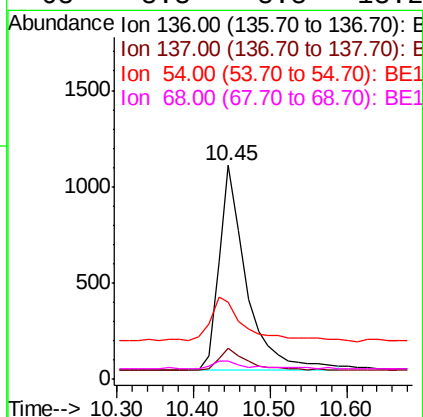
RT: 10.45 min Scan# 637

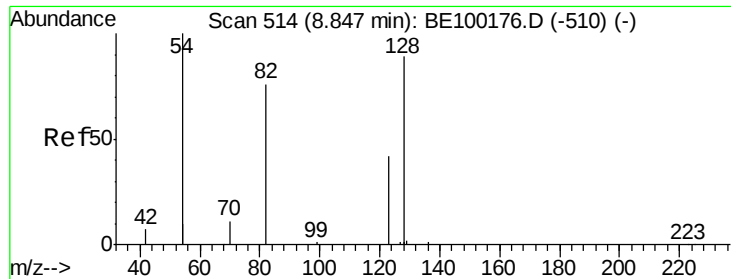
Delta R.T. 0.00 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Tgt Ion:	136	Resp:	2663
Ion	Ratio	Lower	Upper
136	100		
137	14.2	13.8	20.8
54	36.0	35.4	53.2
68	8.3	8.8	13.2#





#8

Nitrobenzene-d5

Concen: 0.251 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Instrument :

BNA_E

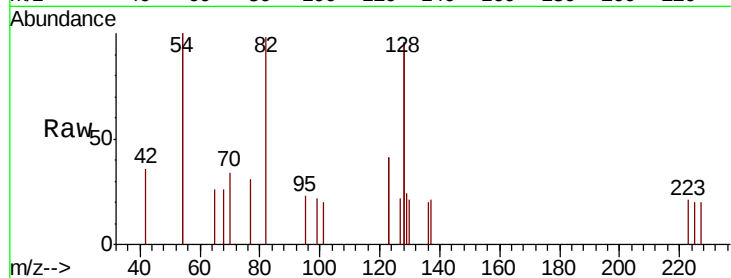
ClientSampleId :

PST-084-SW055-061319

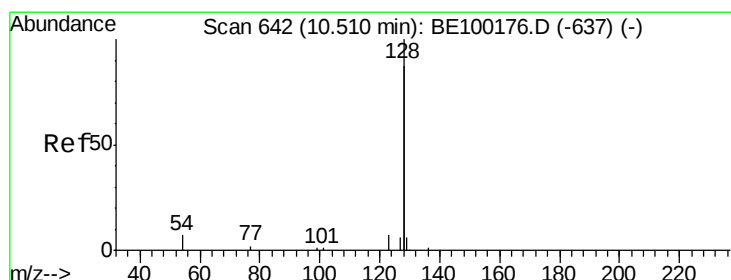
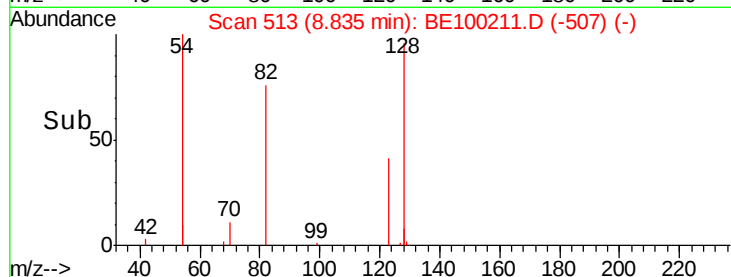
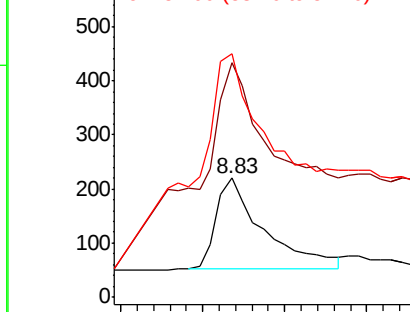
Tot Ion:	82	Resp:	666
Ion	Ratio	Lower	Upper
82	100		
128	197.3	144.6	217.0
54	204.5	163.0	244.6

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



#9

Naphthalene

Concen: 0.065 ng

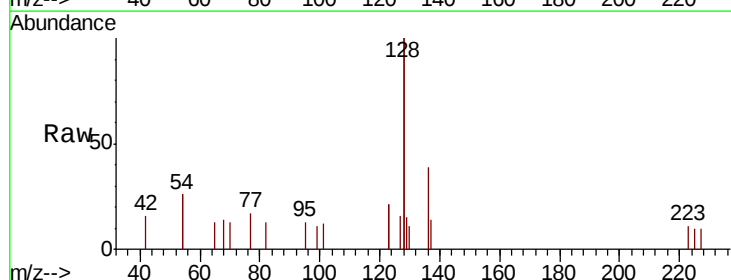
RT: 10.50 min Scan# 641

Delta R.T. 0.00 min

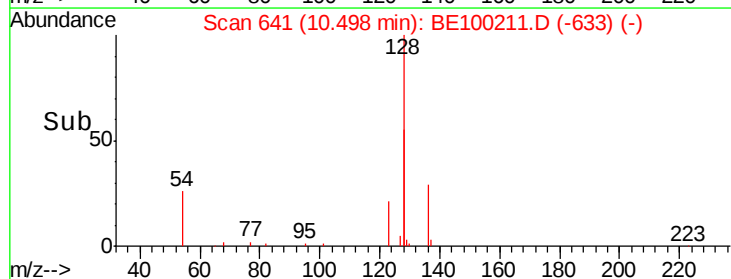
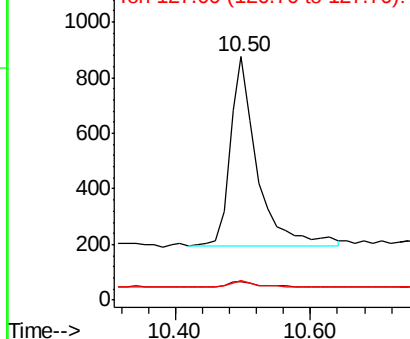
Lab File: BE100211.D

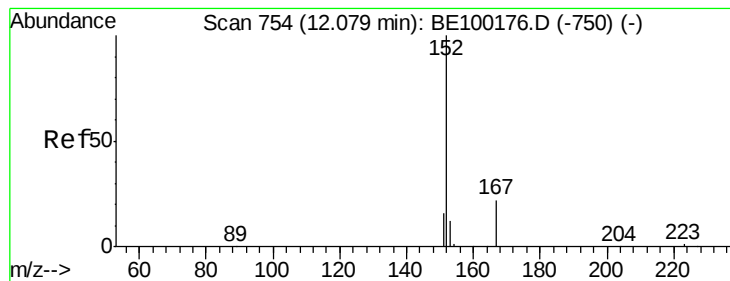
Acq: 27 Jun 2019 19:04

Tgt Ion:	128	Resp:	1877
Ion	Ratio	Lower	Upper
128	100		
129	7.3	3.6	5.4#
127	8.0	3.8	5.8#



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





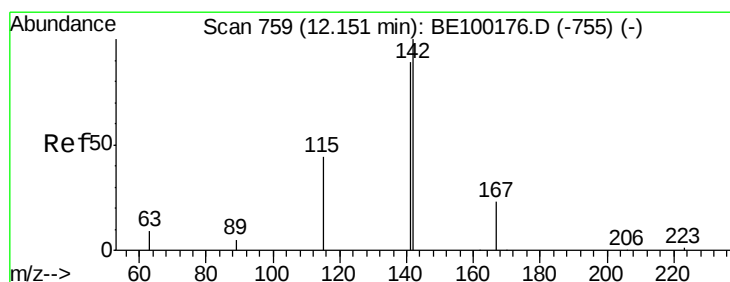
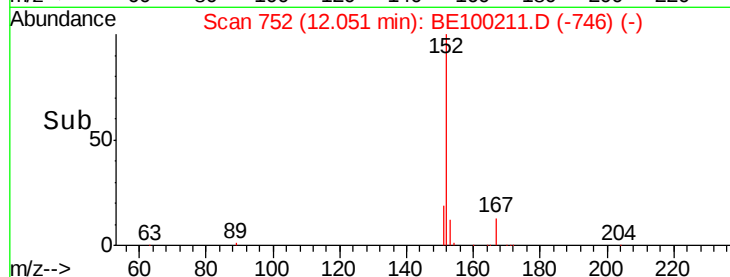
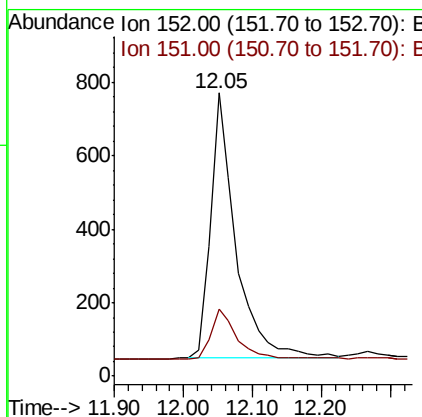
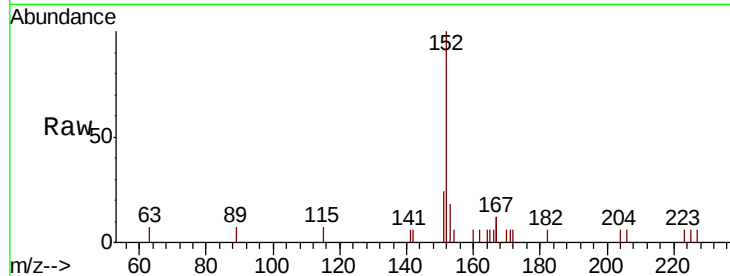
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5

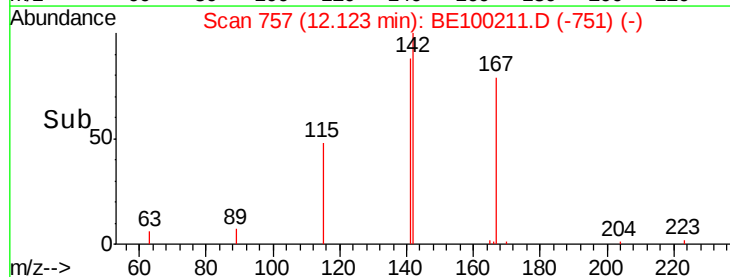
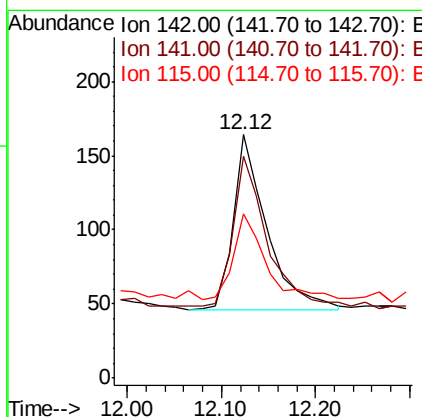
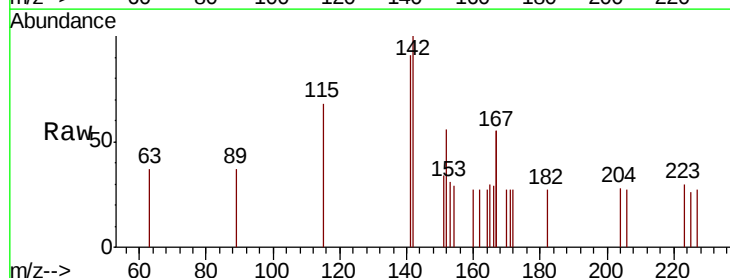
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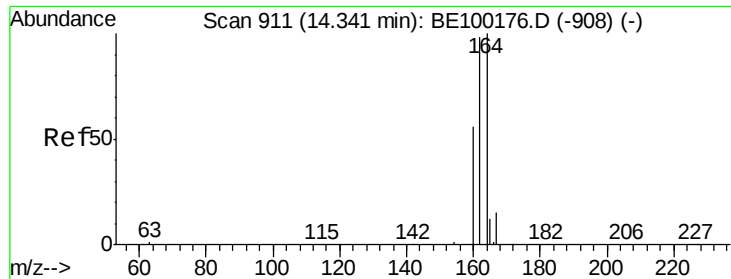
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#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.8	107.8
115	67.7	40.4	60.6





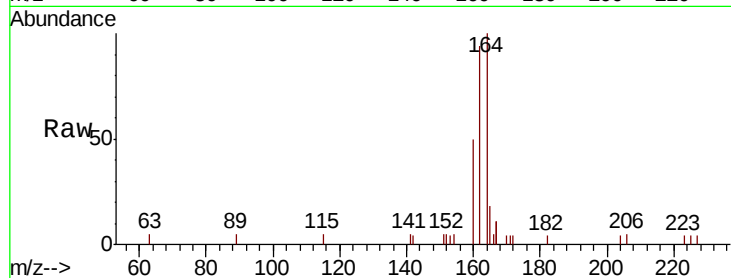
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.2	78.6	118.0
160	49.7	46.9	70.3

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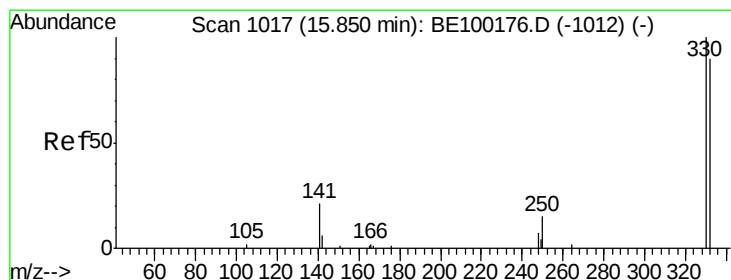
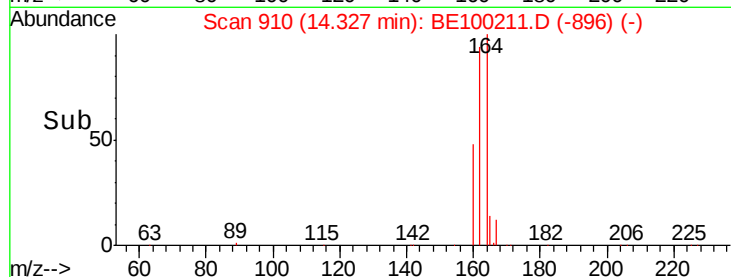
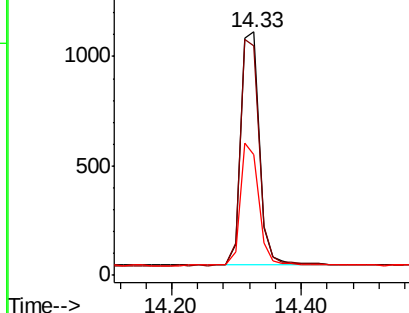


Abundance

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: 0.273 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

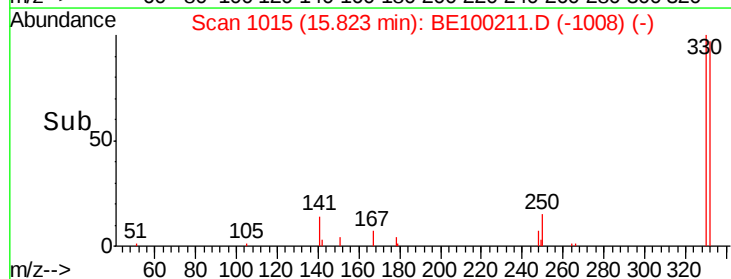
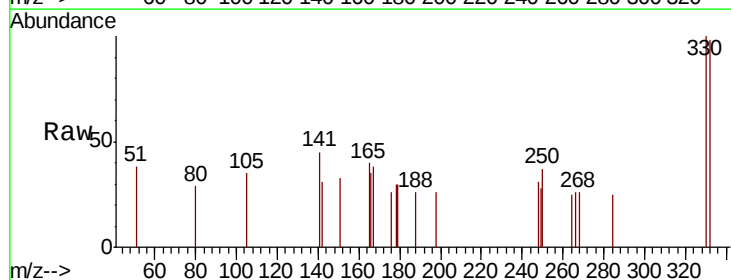
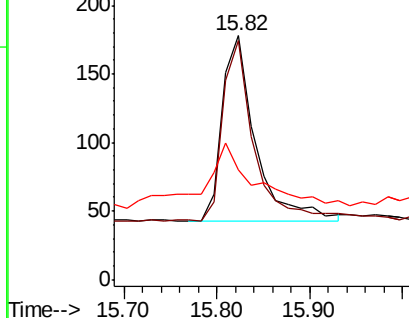
Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.7	77.7	116.5
141	41.6	18.9	28.3

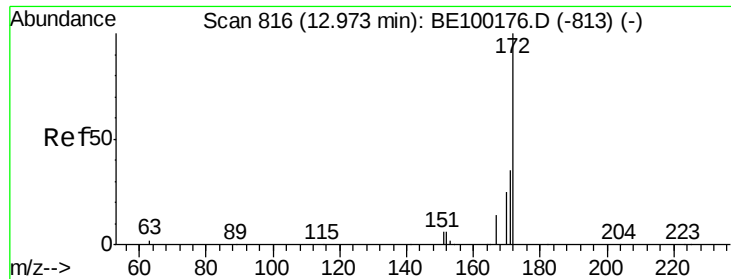
Abundance

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





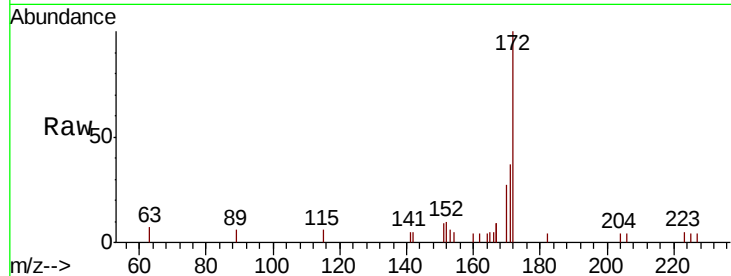
#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

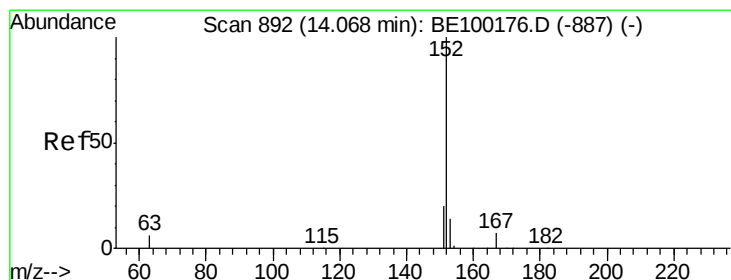
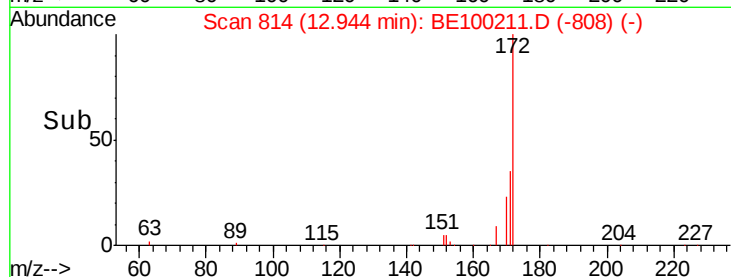
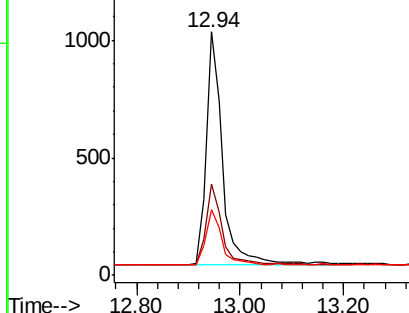
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.0	46.4
170	26.8	23.9	35.9

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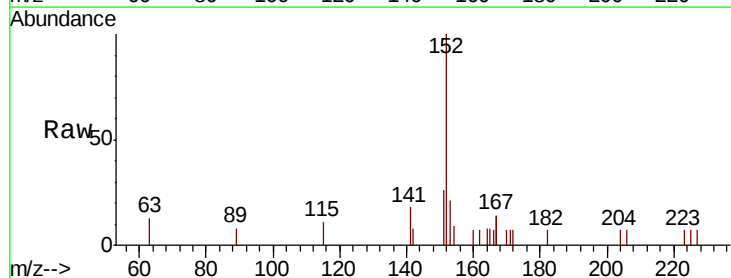


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

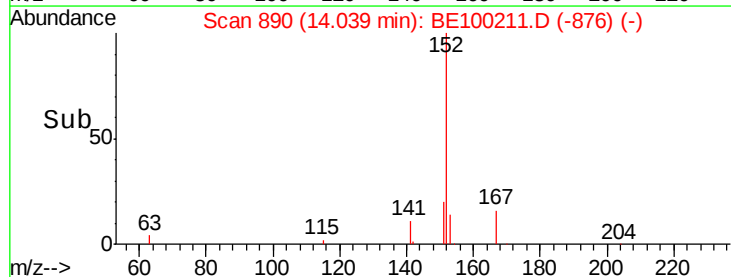
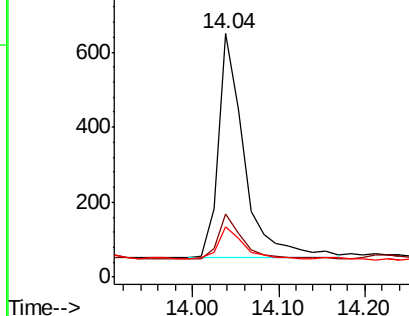


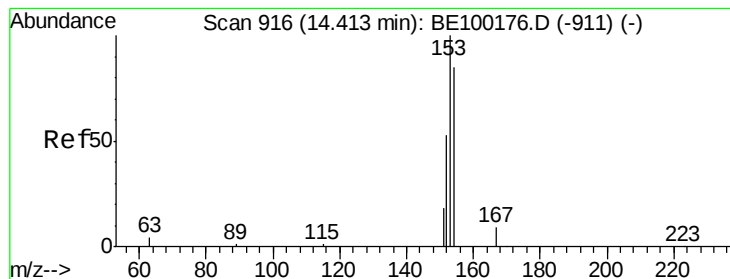
#16
Acenaphthylene
Concen: 0.121 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0
153	13.8	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





#17

Acenaphthene

Concen: 0.026 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Instrument :

BNA_E

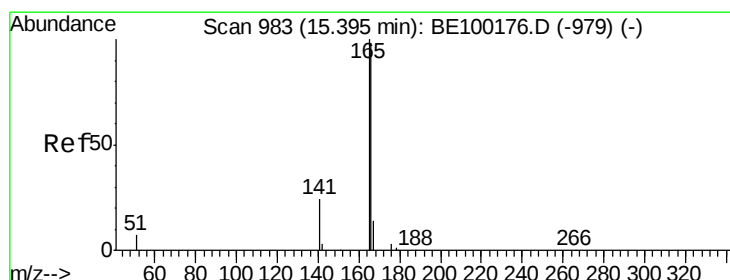
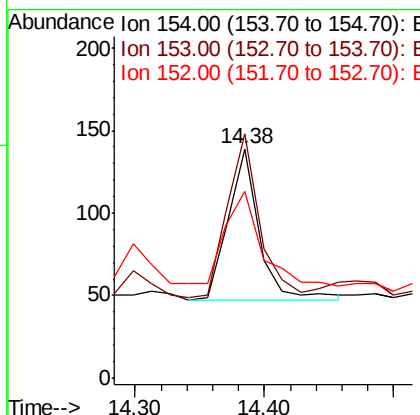
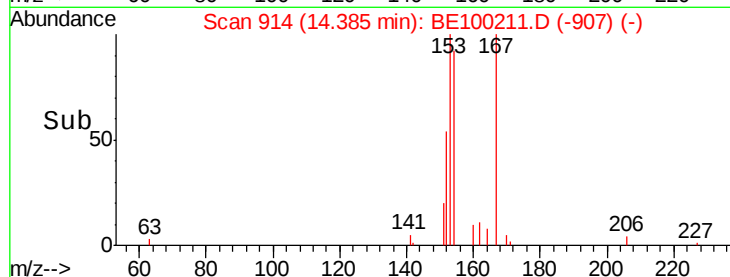
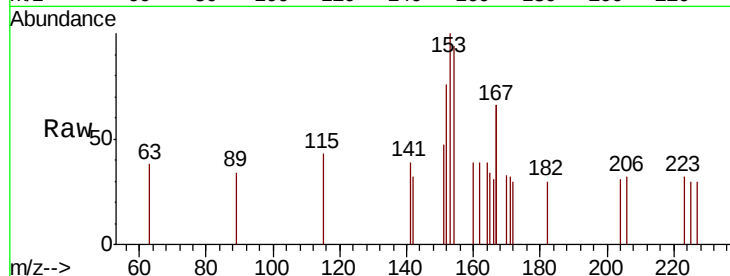
ClientSampleId :

PST-084-SW055-061319

Tot Ion:	154	Resp:	153
Ion	Ratio	Lower	Upper
154	100		
153	109.8	95.3	142.9
152	69.9	52.9	79.3

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#18

Fluorene

Concen: 0.044 ng

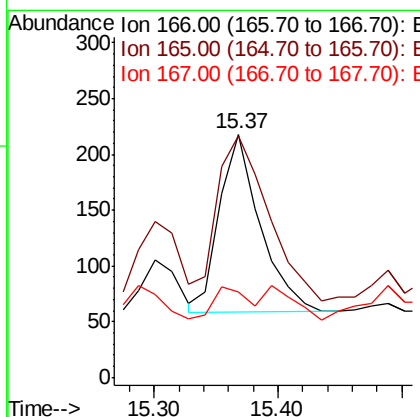
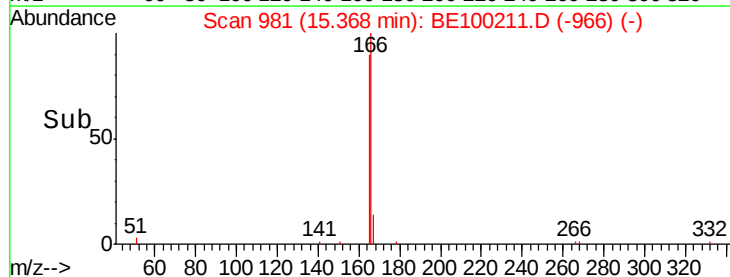
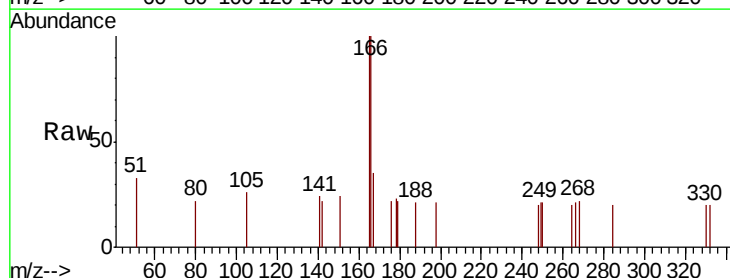
RT: 15.37 min Scan# 981

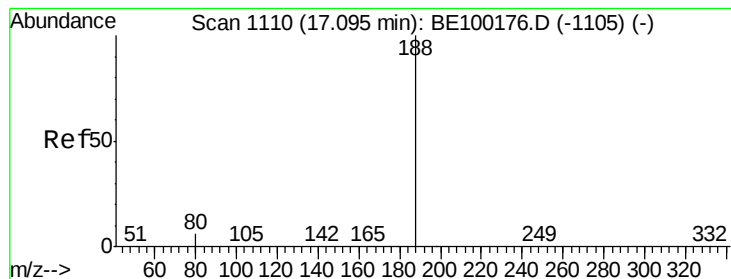
Delta R.T. 0.00 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Tgt Ion:	166	Resp:	366
Ion	Ratio	Lower	Upper
166	100		
165	109.8	81.0	121.4
167	14.5	11.4	17.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Instrument :

BNA_E

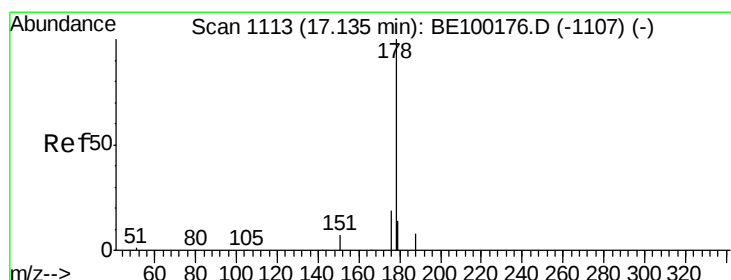
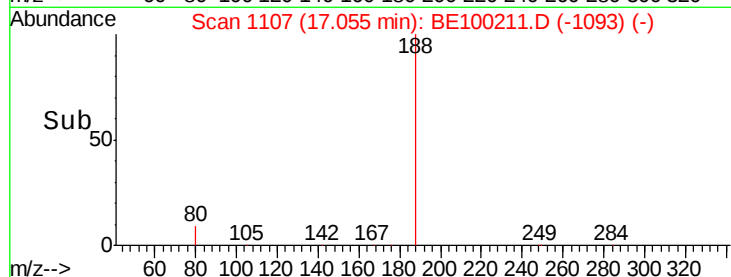
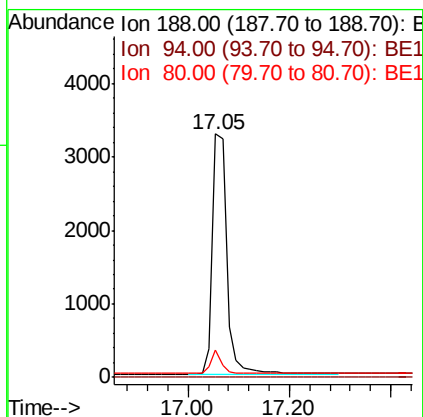
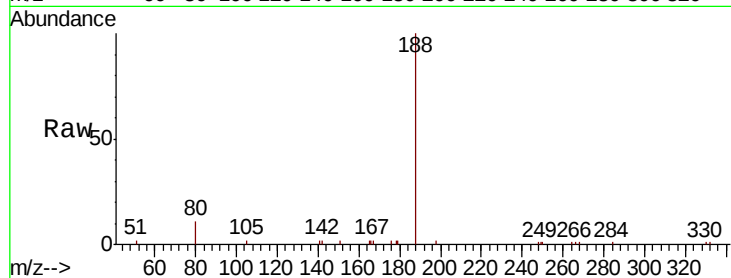
ClientSampleId :

PST-084-SW055-061319

Tot Ion:	188	Resp:	6443
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.0	6.4	9.6#

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#23

Phenanthrene

Concen: 0.645 ng

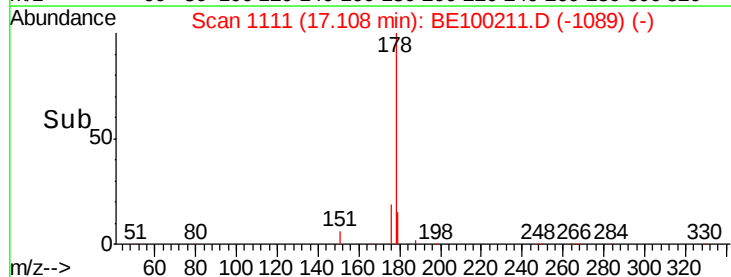
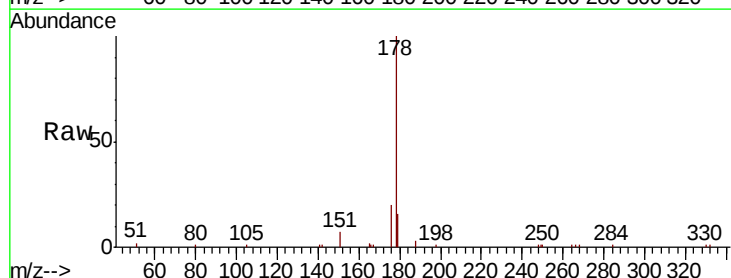
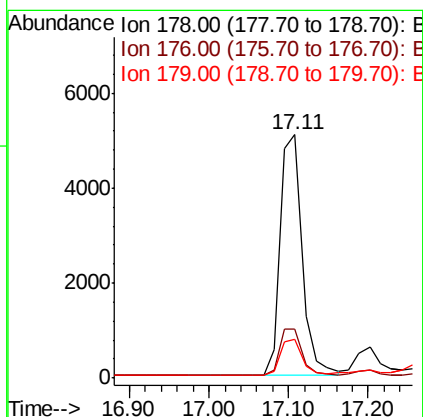
RT: 17.11 min Scan# 1111

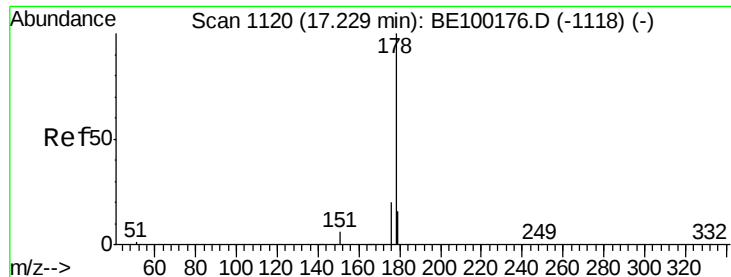
Delta R.T. 0.00 min

Lab File: BE100211.D

Acq: 27 Jun 2019 19:04

Tgt Ion:	178	Resp:	9845
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.5	23.3
179	15.6	12.2	18.2





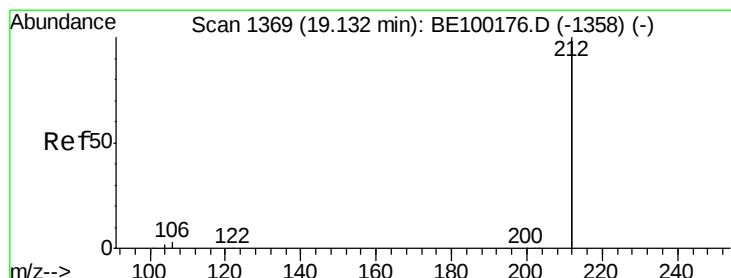
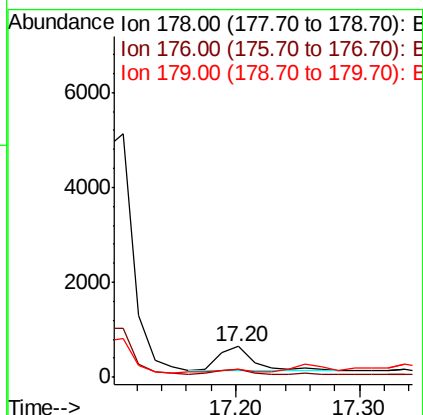
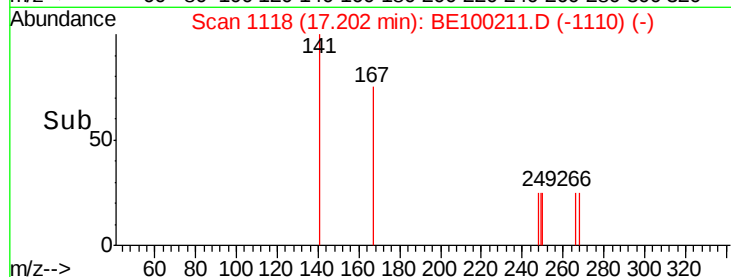
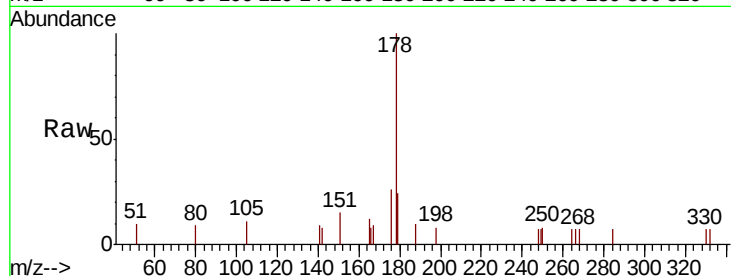
#24
 Anthracene
 Concen: 0.080 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.9	15.7	23.5
179	14.1	12.9	19.3

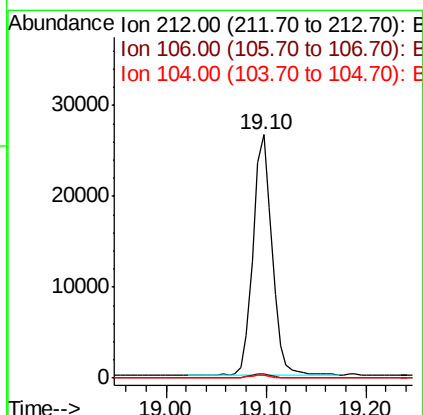
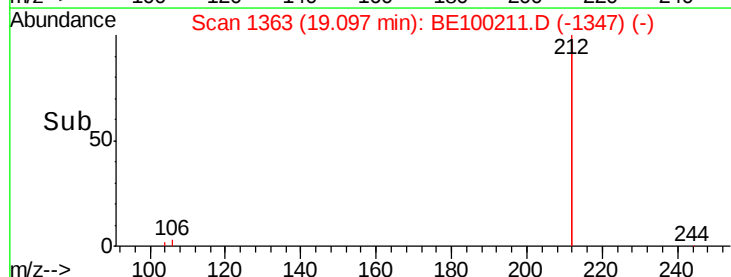
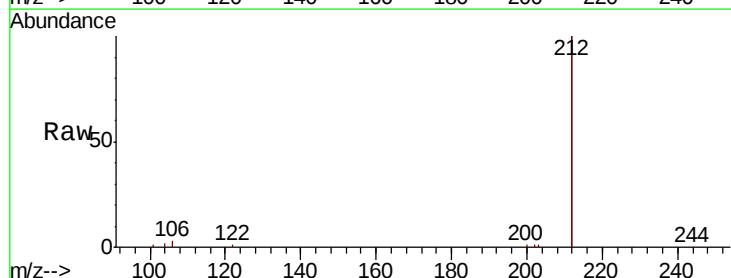
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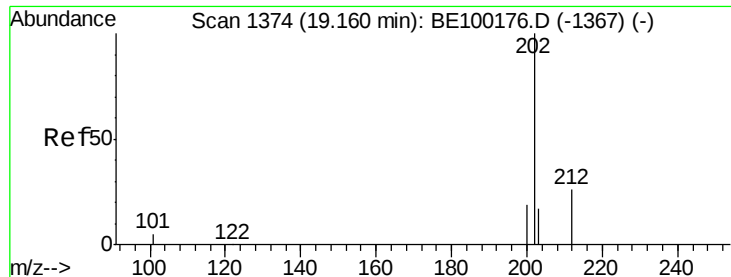
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.378 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.7	1.1





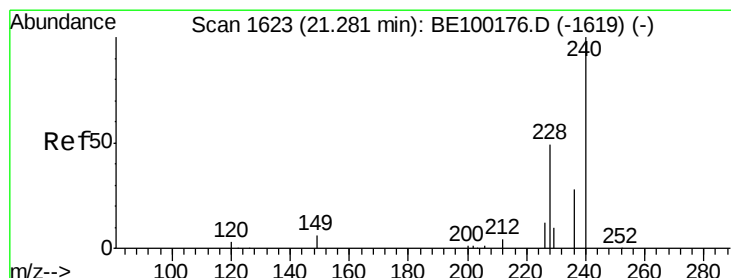
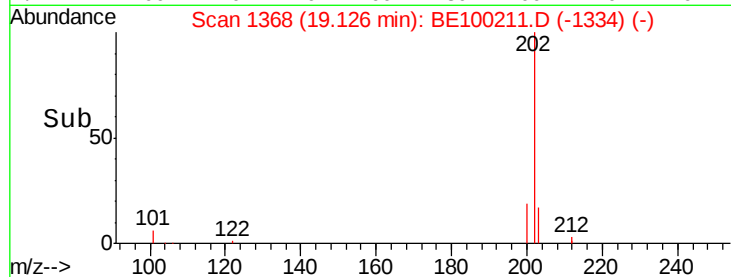
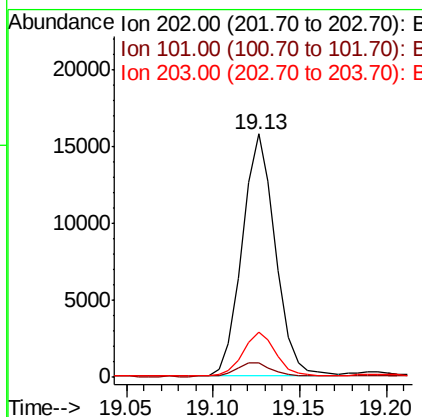
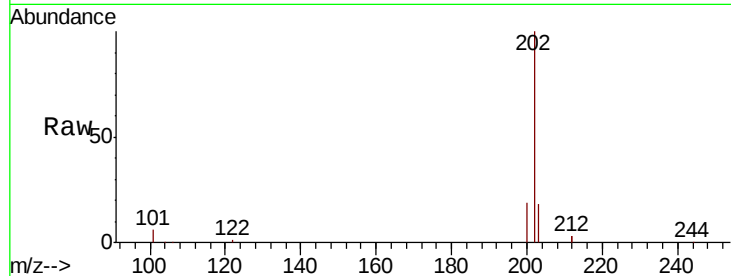
#26
Fluoranthene
Concen: 0.851 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.5	6.7
203	17.8	13.7	20.5

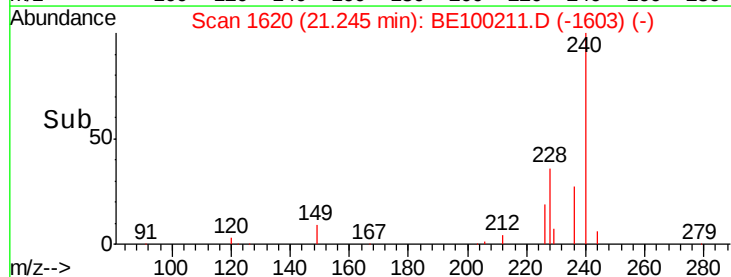
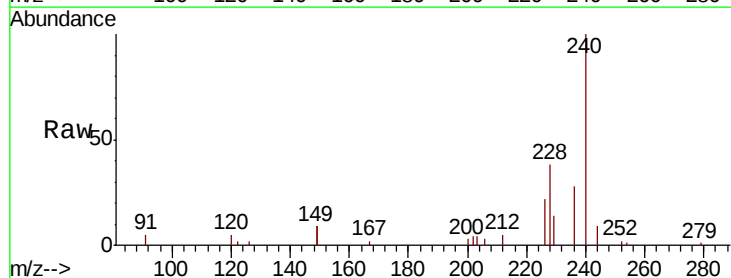
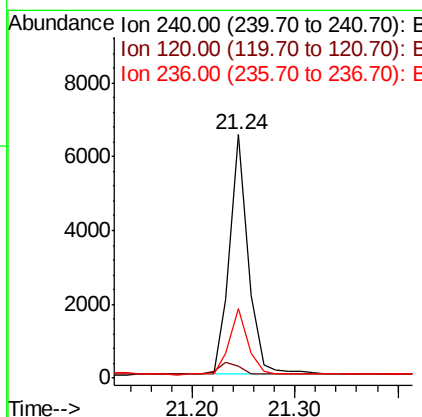
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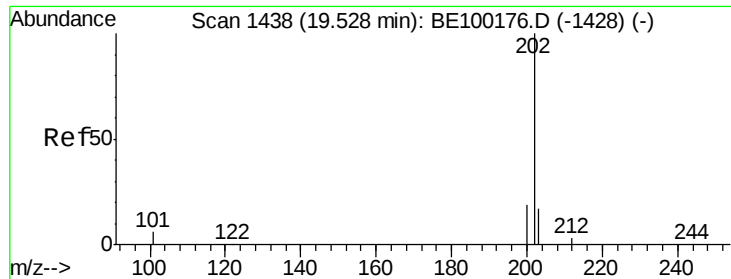
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.1	6.1
236	28.4	23.0	34.6





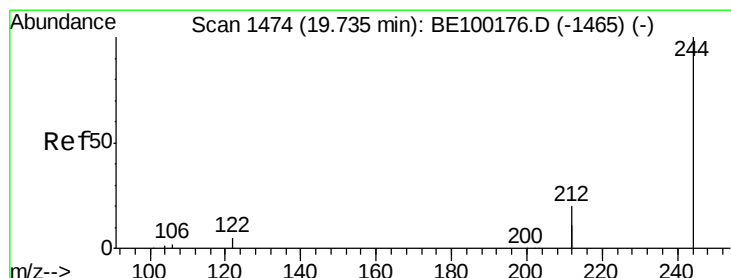
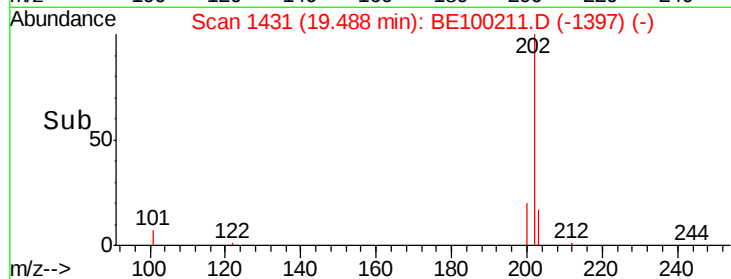
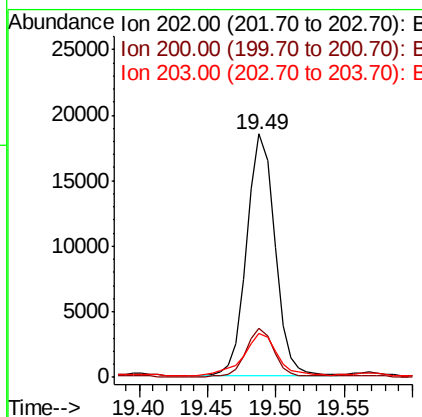
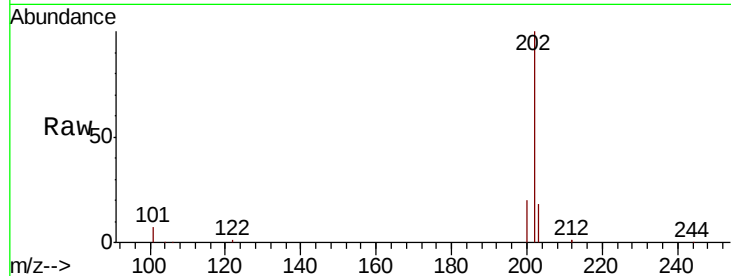
#28
Pvrene
Concen: 1.247 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.5	23.3
203	20.3	13.9	20.9

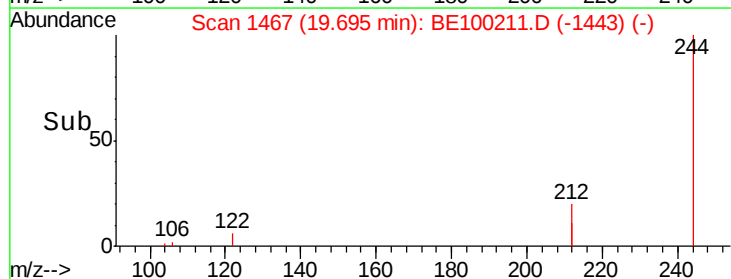
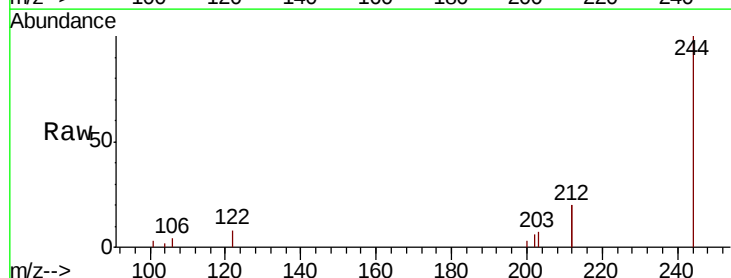
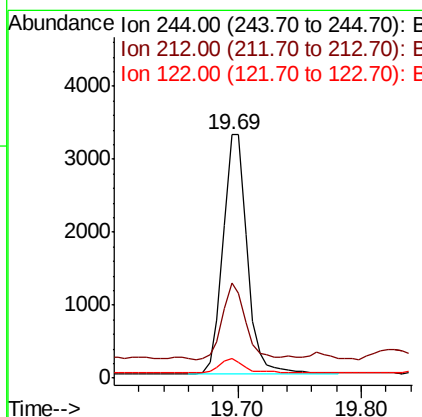
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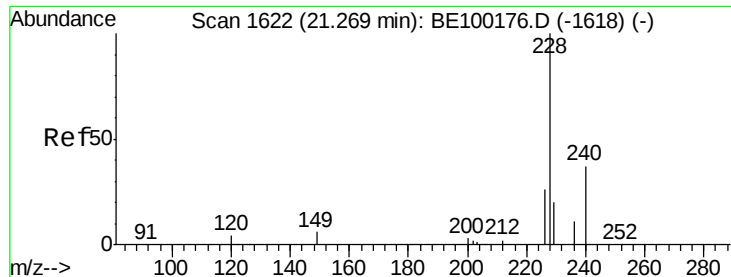
mohammad
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#29
Terphenyl-d14
Concen: 0.274 ng
RT: 19.69 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	39.2	30.7	46.1
122	8.0	5.8	8.6





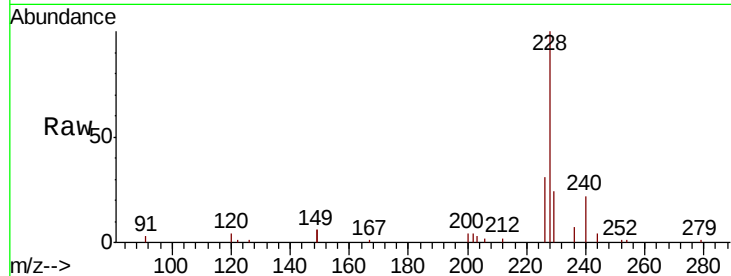
#30
Benzo(a)anthracene
Concen: 0.608 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.5	32.3
229	24.0	17.2	25.8

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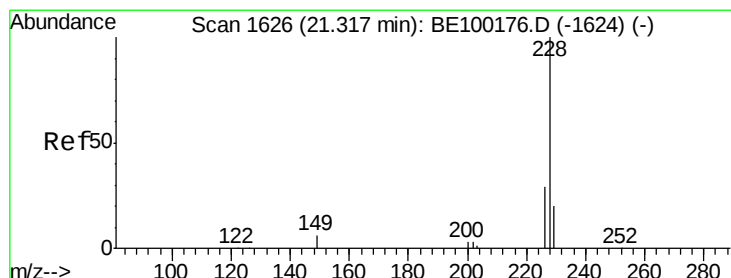
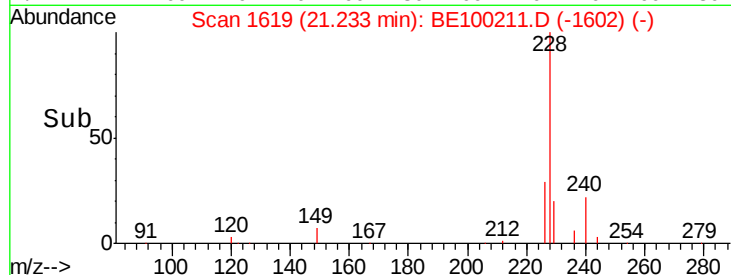
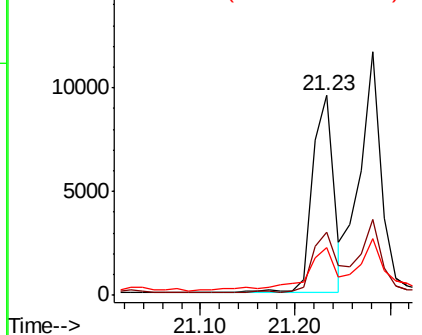


Abundance

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: 0.624 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

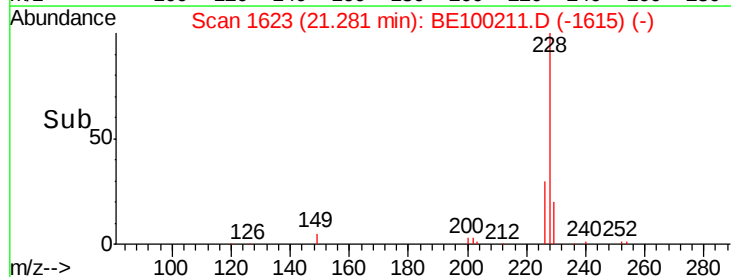
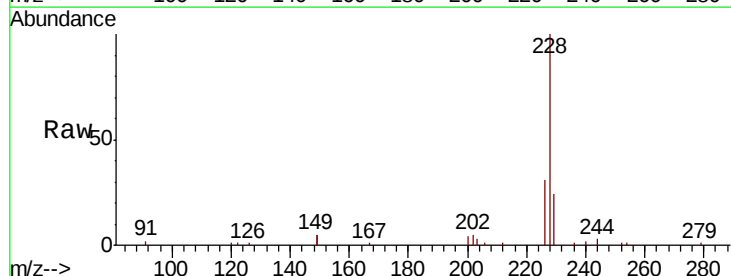
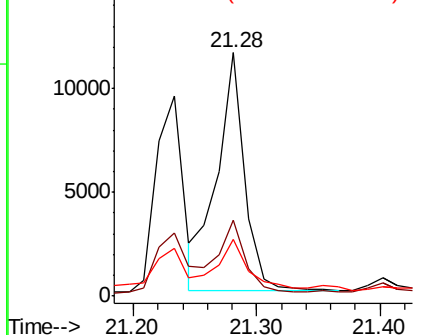
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	23.6	16.5	24.7

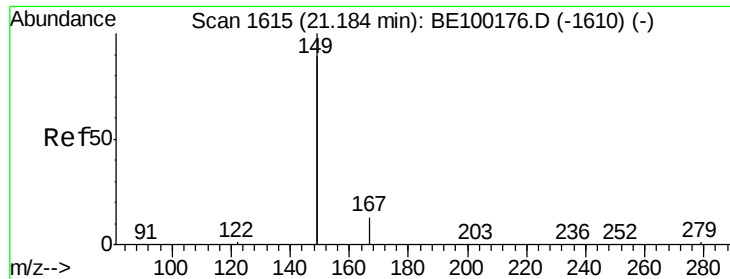
Abundance

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





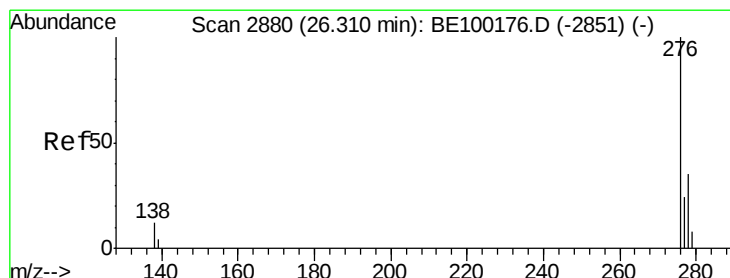
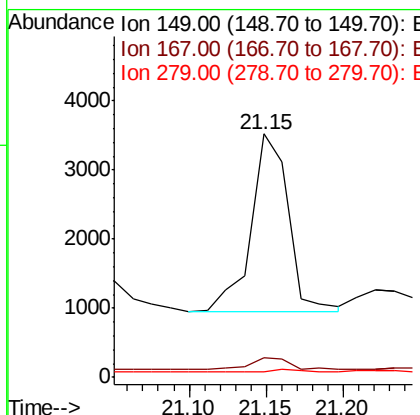
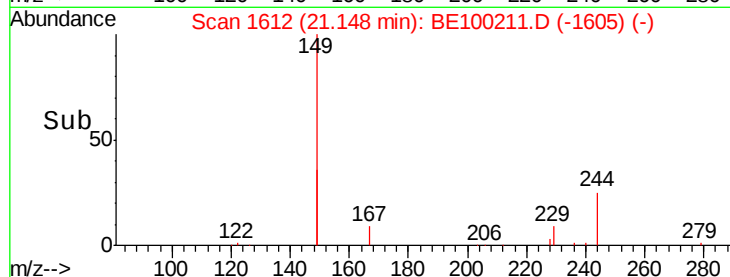
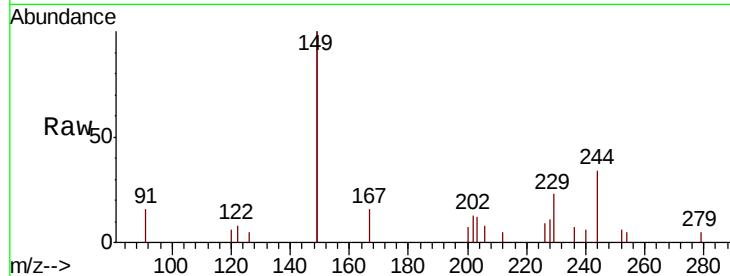
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.155 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.9	8.9
279	2.1	1.0	1.6

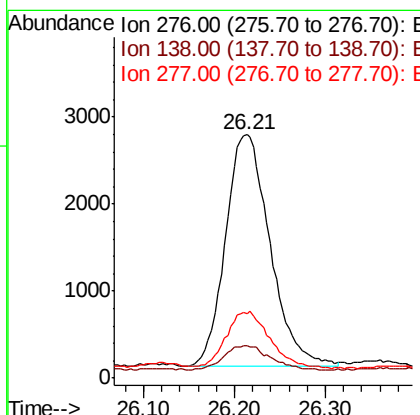
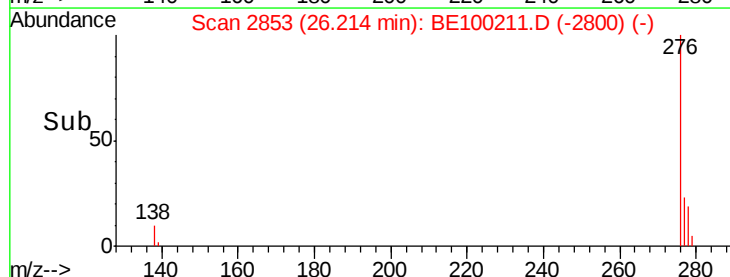
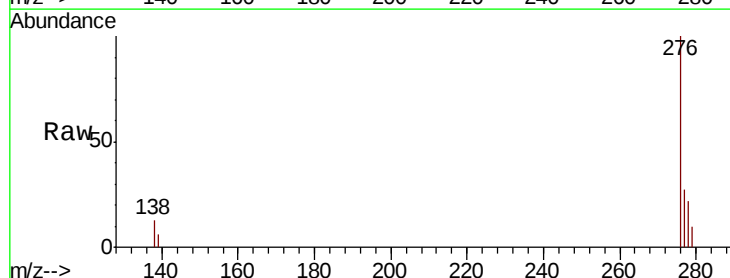
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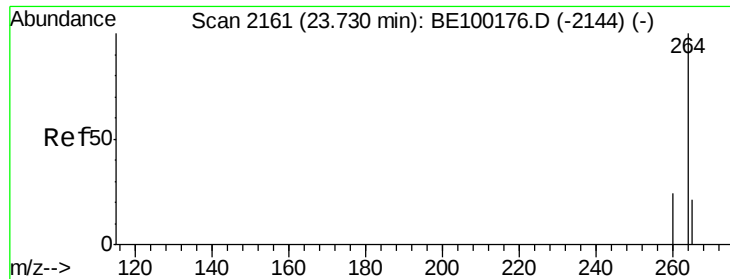
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.223 ng
 RT: 26.21 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.2	3.7	5.5
277	24.1	18.7	28.1





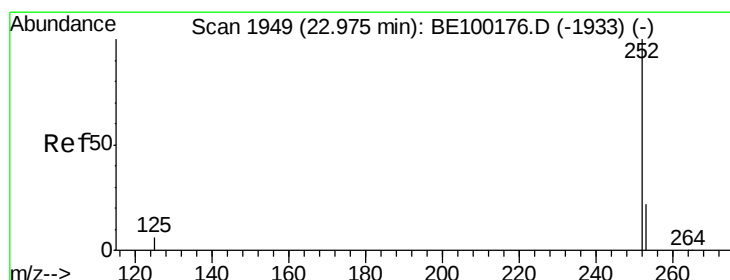
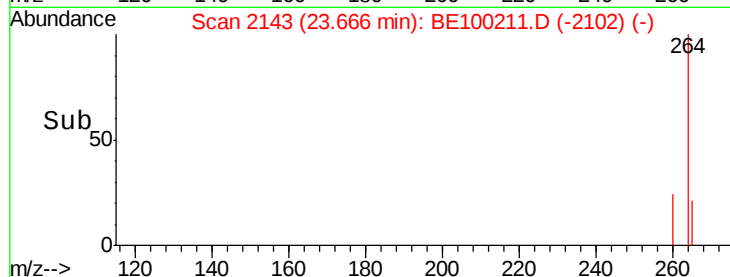
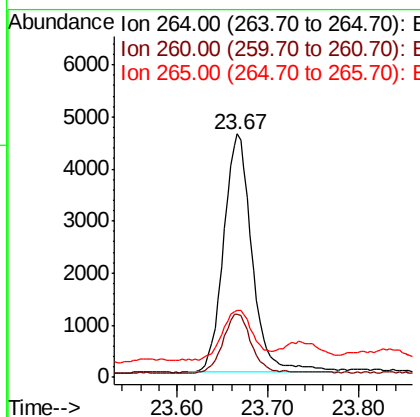
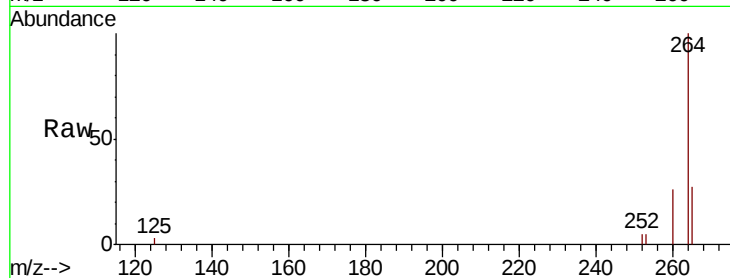
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	27.4	22.5	33.7

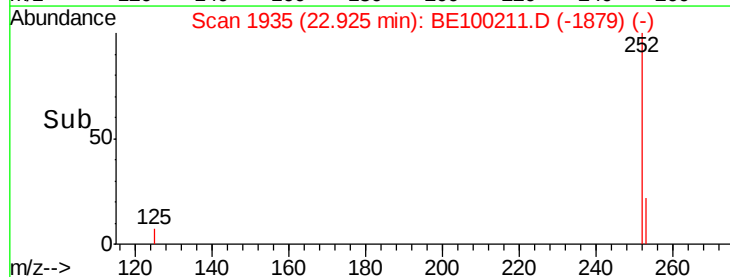
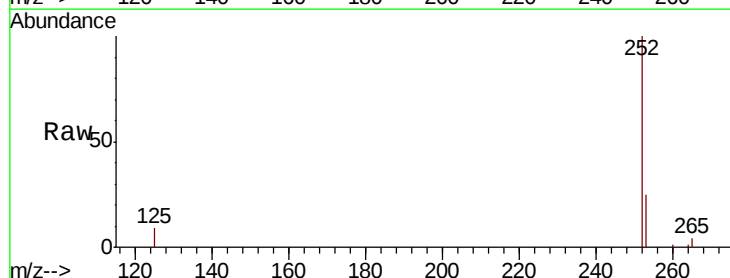
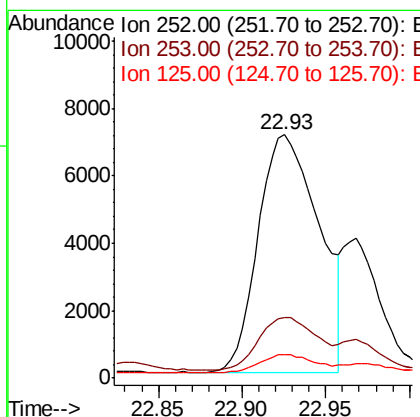
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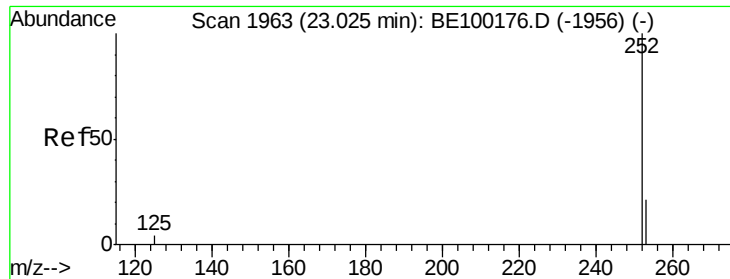
mohammad
7/1/2019 8:11:55 AM



#35
Benzo(b)fluoranthene
Concen: 0.665 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.0	28.4
125	9.5	6.3	9.5#





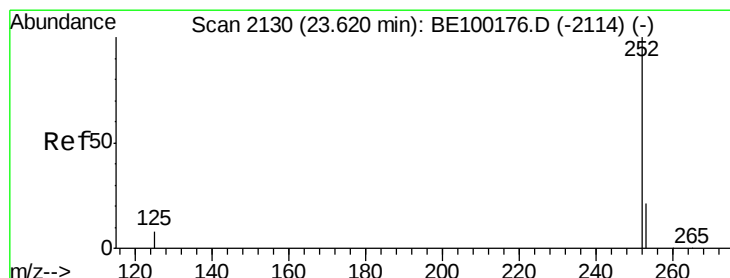
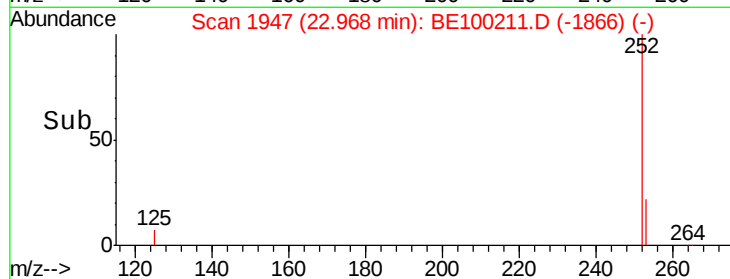
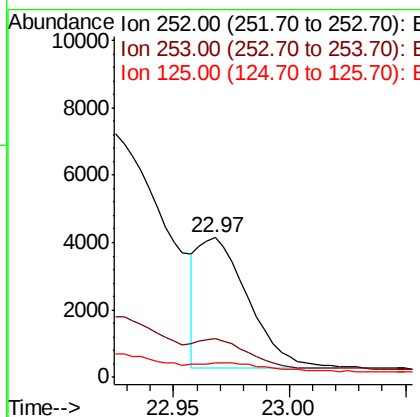
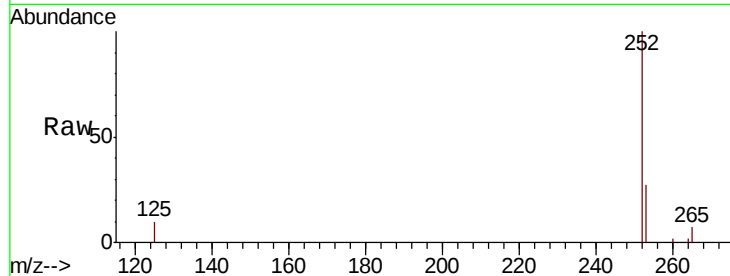
#36
Benzo(k)fluoranthene
Concen: 0.180 ng m
RT: 22.97 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Instrument :
BNA_E
ClientSampleId :
PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.4	27.6
125	10.1	5.0	7.4

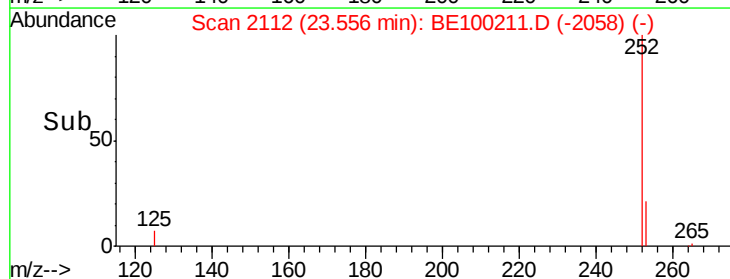
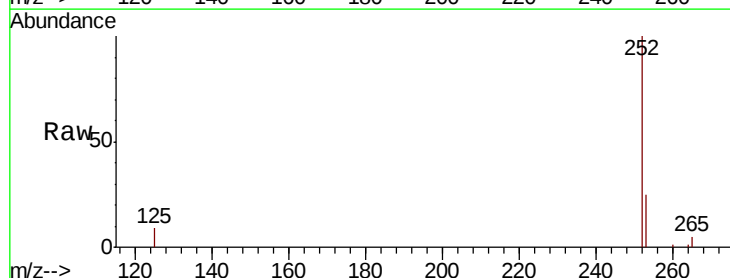
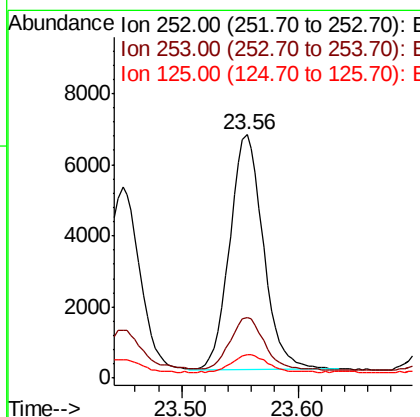
Manual Integrations
APPROVED

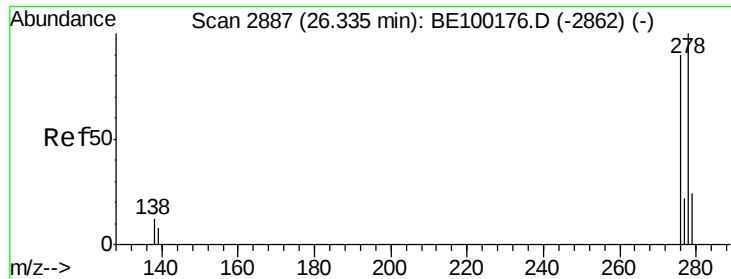
mohammad
7/1/2019 8:11:55 AM



#37
Benzo(a)pyrene
Concen: 0.477 ng
RT: 23.56 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BE100211.D
Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.2	28.8
125	9.5	8.2	12.2





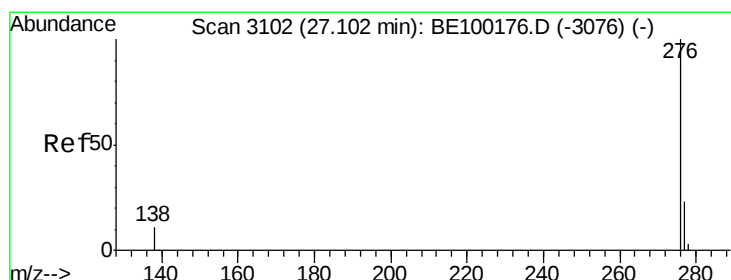
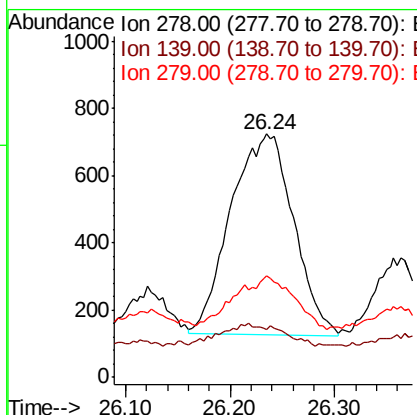
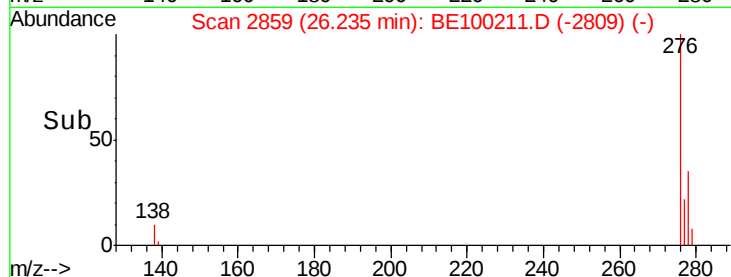
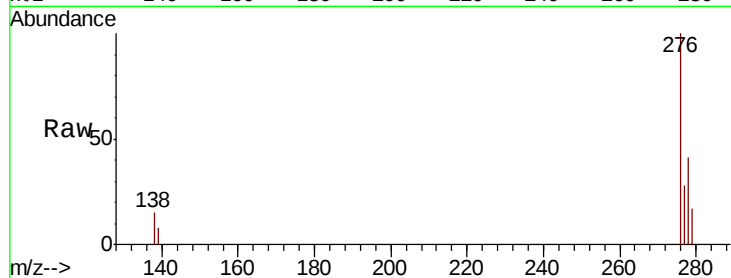
#38
 Dibenzo(a,h)anthracene
 Concen: 0.083 ng
 RT: 26.24 min Scan# 2859
 Delta R.T. -0.02 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-SW055-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.3	9.0	13.4#
279	41.6	21.1	31.7#

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:55 AM



#39
 Benzo(g,h,i)perylene
 Concen: 0.315 ng
 RT: 27.01 min Scan# 3075
 Delta R.T. -0.01 min
 Lab File: BE100211.D
 Acq: 27 Jun 2019 19:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.8	29.6
138	13.4	10.2	15.4

