

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100137.D
 Acq On : 21 Jun 2019 15:40
 Operator : JU/SJ
 Sample : K3428-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B040-061319

Manual Integrations
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 6/25/2019 3:21:08 PM

Quant Time: Jun 22 02:30:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	518	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	1927	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1872	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6600	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9430	0.40	ng	0.00
34) Perylene-d12	23.83	264	10940	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	379	0.35	ng	-0.01
5) Phenol-d6	6.91	99	463	0.31	ng	-0.02
8) Nitrobenzene-d5	8.93	82	432	0.23	ng	0.01
11) 2-Methylnaphthalene-d10	12.15	152	80	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	307	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	1655	0.22	ng	-0.01
25) Fluoranthene-d10	19.18	212	1746	0.02	ng	-0.01
29) Terphenyl-d14	19.79	244	4455	0.24	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.59	128	2413	0.115	ng	# 91
12) 2-Methylnaphthalene	12.22	142	456	0.132	ng	95
16) Acenaphthylene	14.13	152	3476	0.391	ng	98
17) Acenaphthene	14.47	154	370	0.074	ng	96
18) Fluorene	15.45	166	1271	0.172	ng	# 89
23) Phenanthrene	17.19	178	32487	2.054	ng	99
24) Anthracene	17.28	178	3333	0.250	ng	# 92
26) Fluoranthene	19.22	202	50706	1.998	ng	98
28) Pyrene	19.58	202	76605	3.161	ng	96
30) Benzo(a)anthracene	21.32	228	37584	1.340	ng	97
31) Chrysene	21.38	228	46590	1.429	ng	98
32) Bis(2-ethylhexyl)phthalate	21.25	149	4884m	0.185	ng	
33) Indeno(1,2,3-cd)pyrene	26.46	276	18980	0.517	ng	# 97
35) Benzo(b)fluoranthene	23.06	252	38989	1.215	ng	97
36) Benzo(k)fluoranthene	23.11	252	12486m	0.342	ng	
37) Benzo(a)pyrene	23.71	252	30633	0.989	ng	98
38) Dibenzo(a,h)anthracene	26.47	278	5262	0.166	ng	# 85
39) Benzo(a,h,i)perylene	27.28	276	22644	0.686	ng	98

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

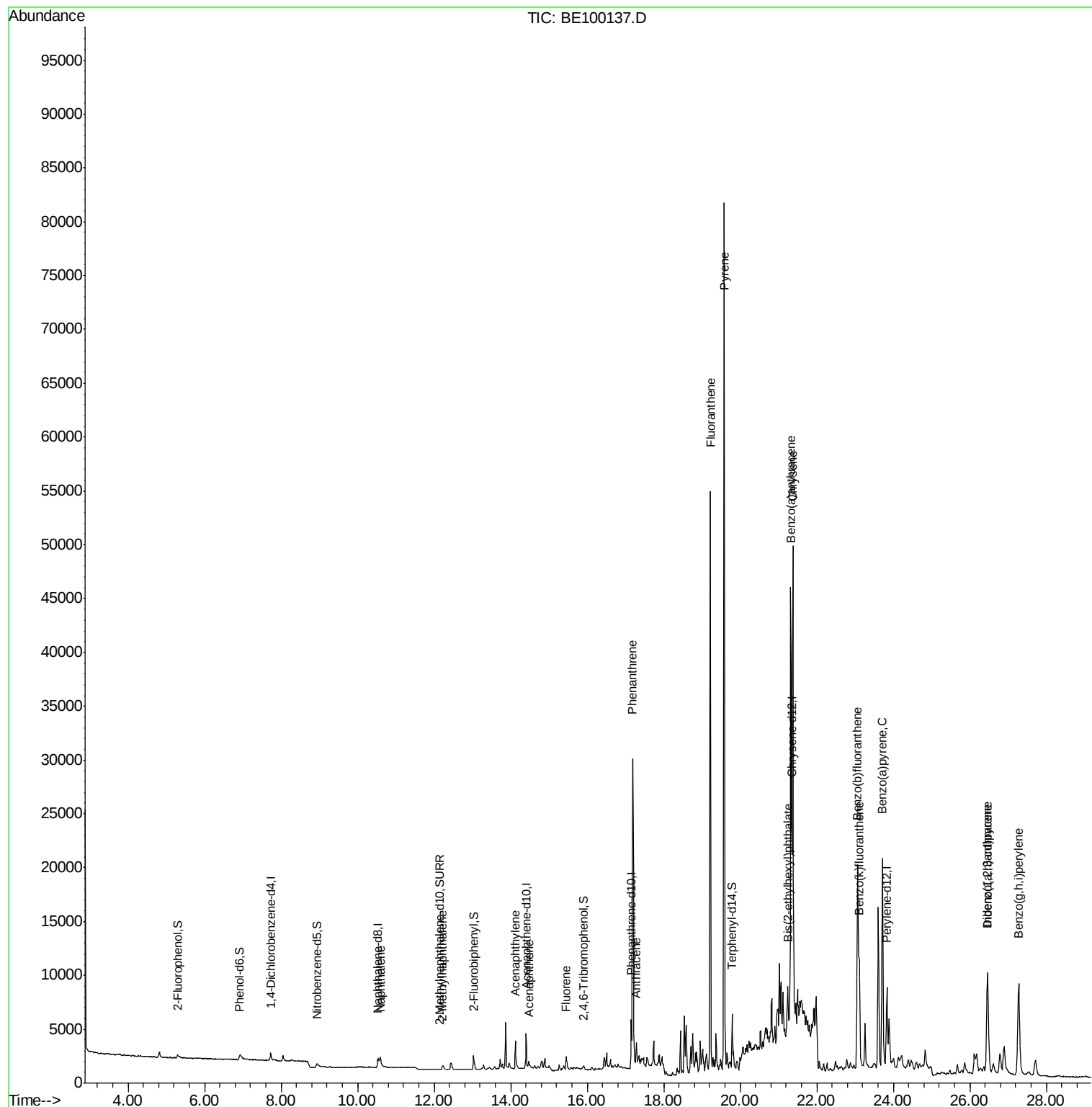
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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ALS Vial : 8 Sample Multiplier: 1

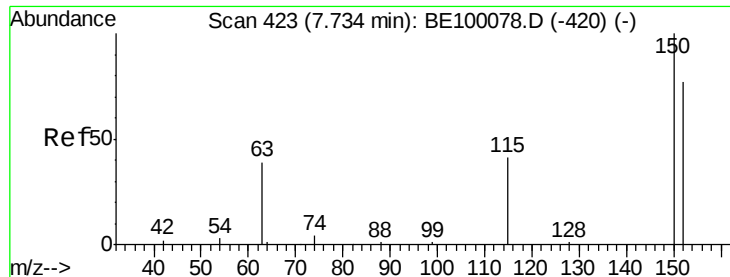
Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Quant Time: Jun 22 02:30:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

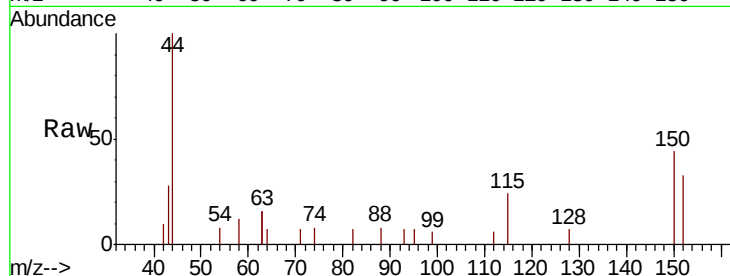
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.8	99.8	149.8
115	71.8	51.3	76.9

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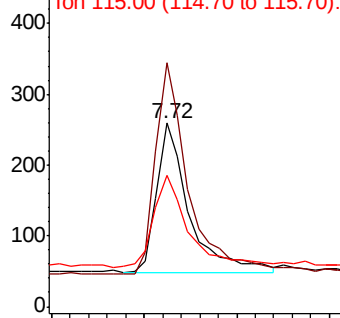


Abundance

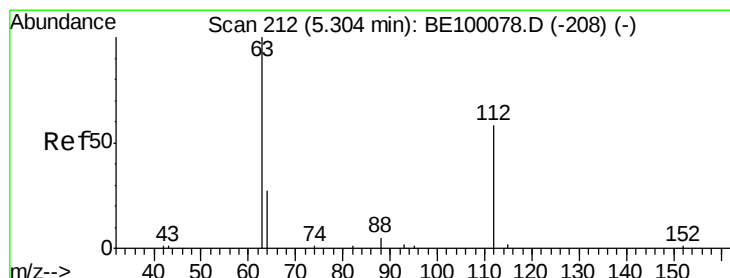
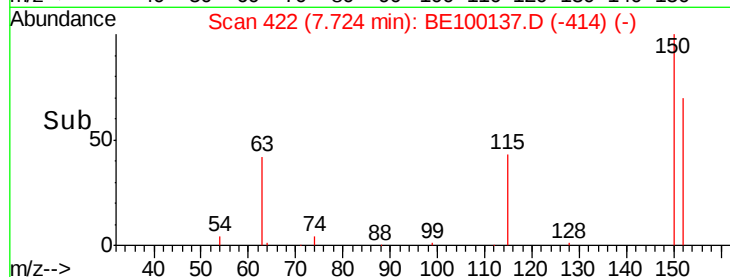
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



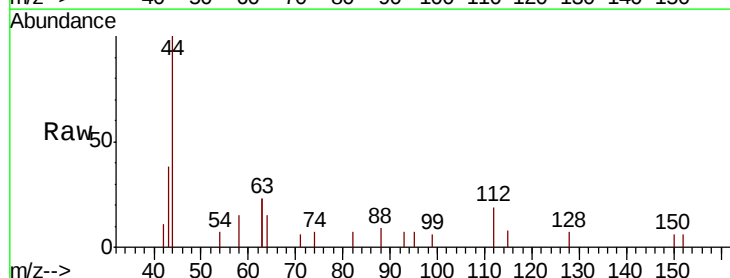
Time-->



#4

2-Fluorophenol
Concen: 0.353 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	22.0	33.0#
63	124.5	121.8	182.6

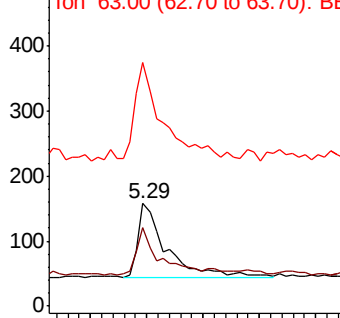


Abundance

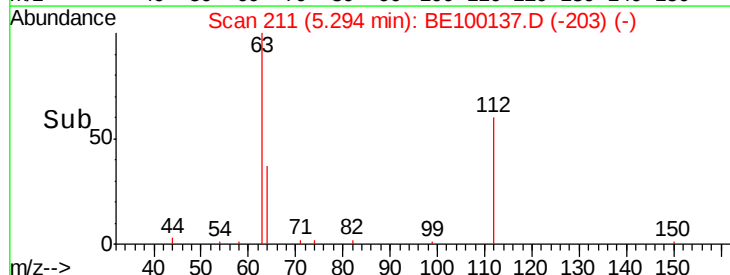
Ion 112.00 (111.70 to 112.70): E

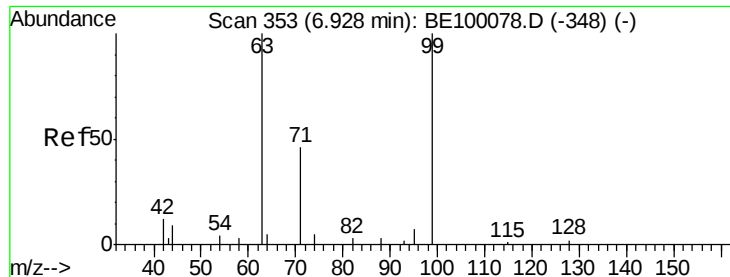
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.314 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Instrument :

BNA_E

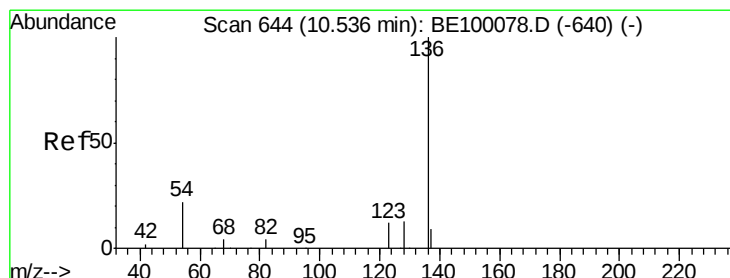
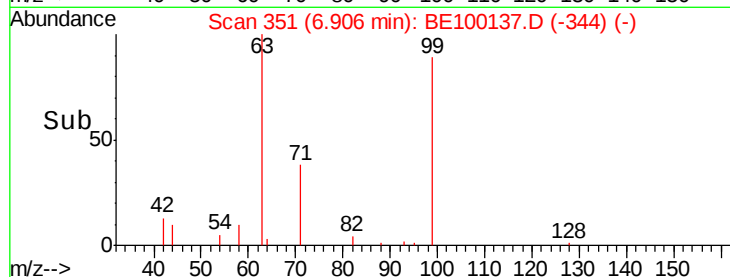
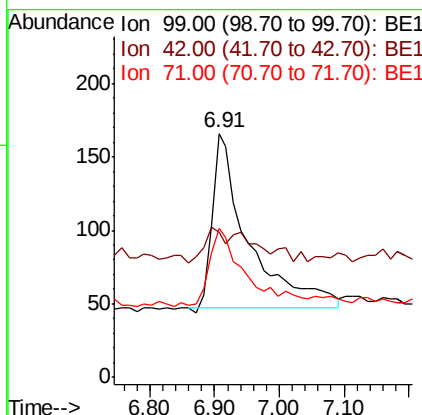
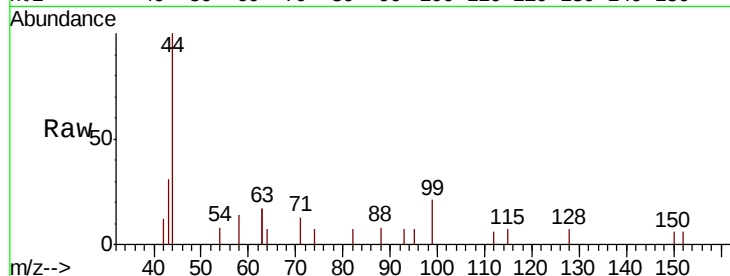
ClientSampleId :

PST-084-B040-061319

Tot Ion:	99	Resp:	463
Ion	Ratio	Lower	Upper
99	100		
42	10.8	0.0	0.0#
71	45.8	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

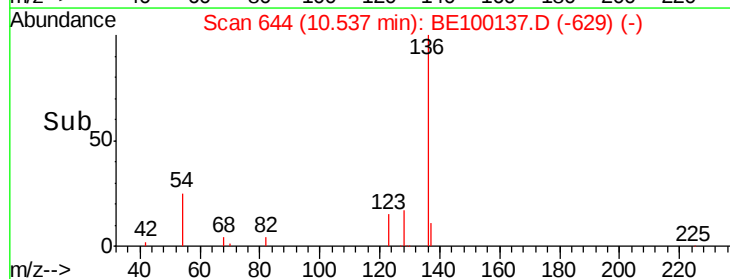
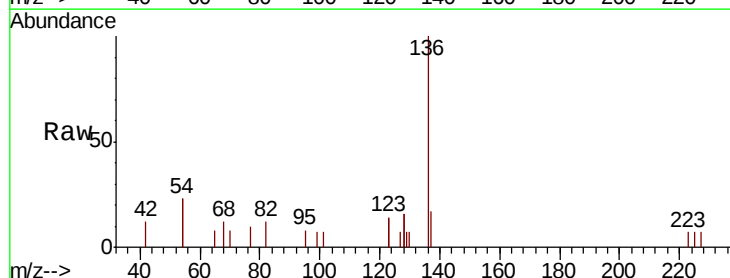
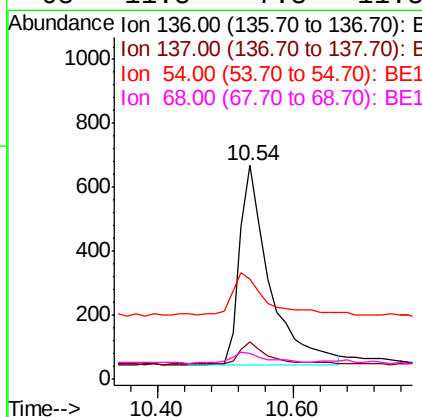
RT: 10.54 min Scan# 644

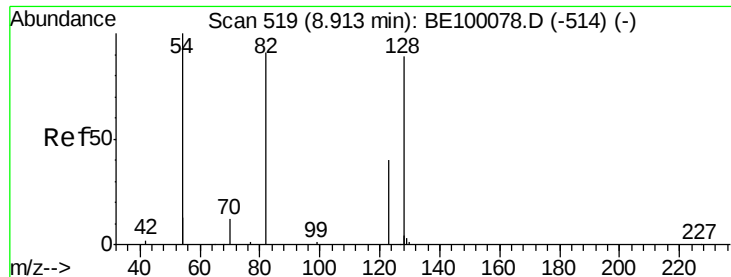
Delta R.T. 0.00 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Tgt Ion:	136	Resp:	1927
Ion	Ratio	Lower	Upper
136	100		
137	17.2	11.6	17.4
54	46.6	33.9	50.9
68	11.8	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.231 ng

RT: 8.93 min Scan# 520

Delta R.T. 0.01 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Instrument :

BNA_E

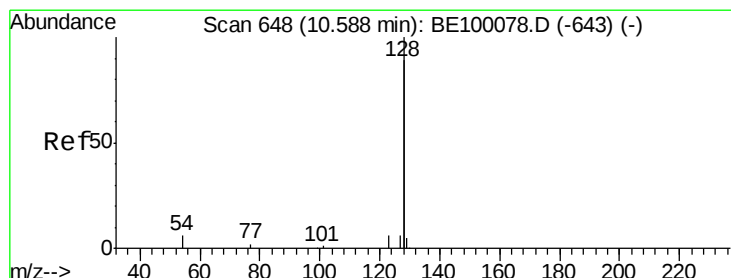
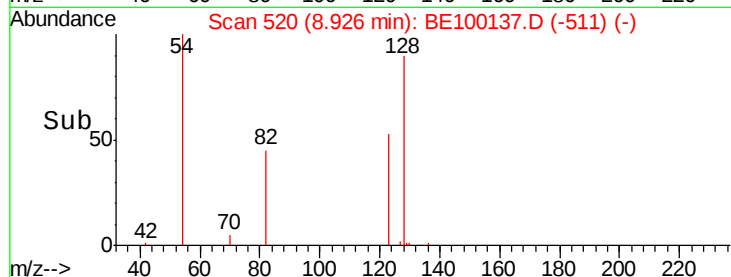
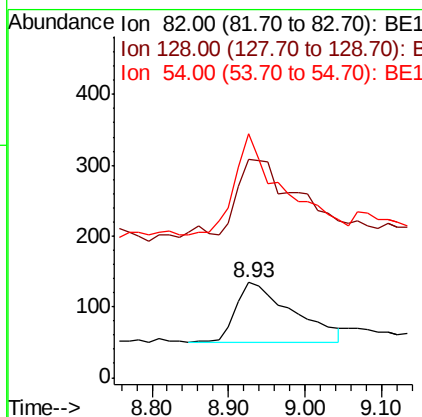
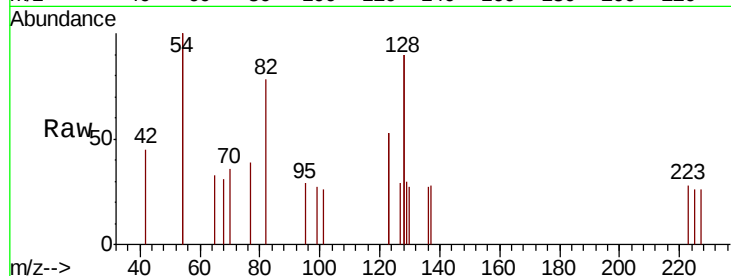
ClientSampleId :

PST-084-B040-061319

Tot Ion:	82	Resp:	432
Ion Ratio	Lower	Upper	
82	100		
128	229.9	128.0	192.0#
54	256.7	143.4	215.0#

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#9

Naphthalene

Concen: 0.115 ng

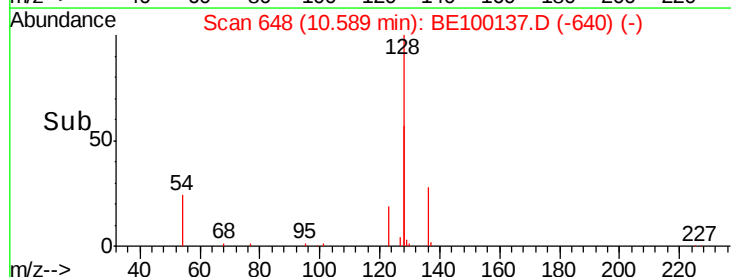
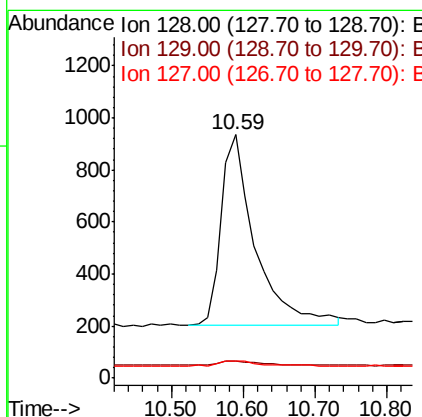
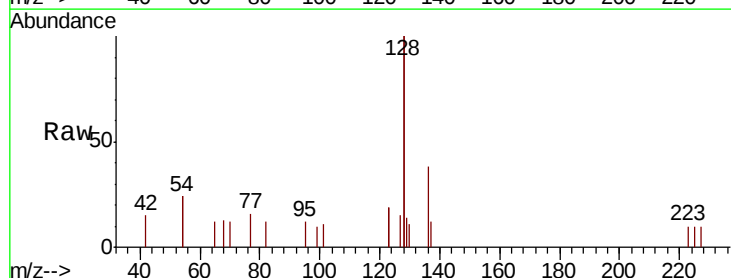
RT: 10.59 min Scan# 648

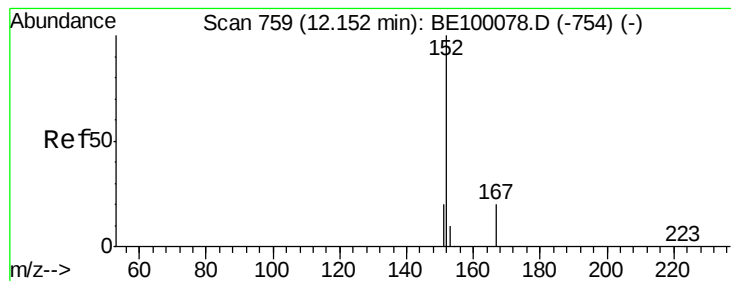
Delta R.T. 0.00 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Tgt Ion:	128	Resp:	2413
Ion Ratio	Lower	Upper	
128	100		
129	7.2	3.1	4.7#
127	7.3	3.4	5.2#





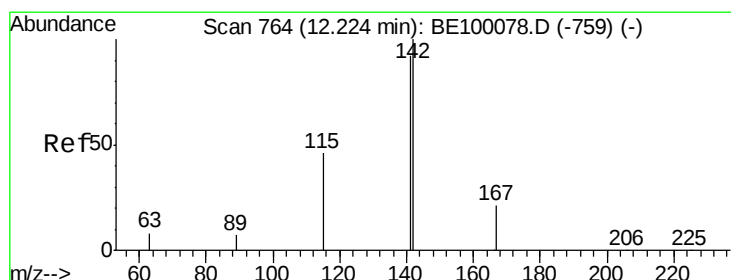
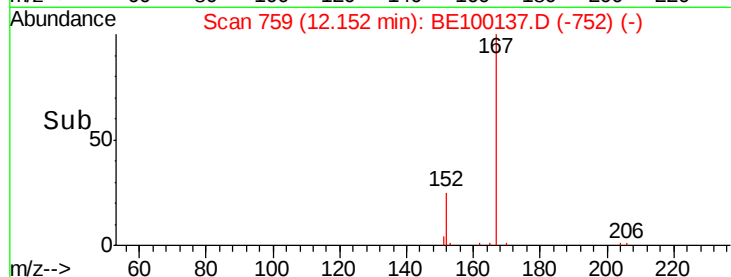
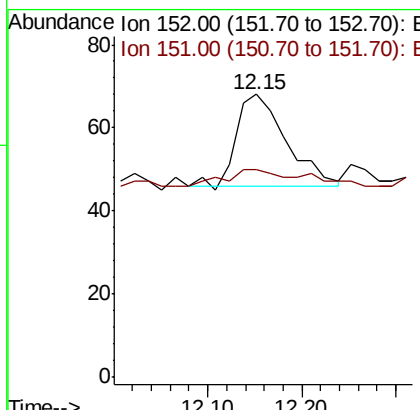
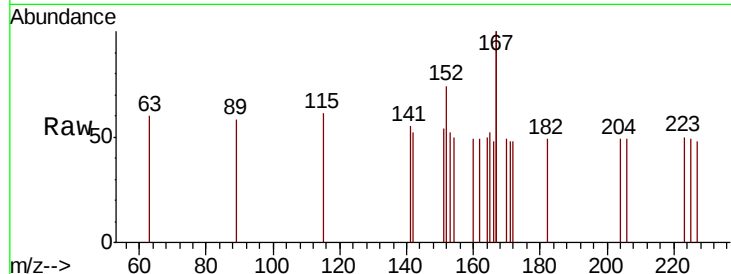
#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	35.0	16.3	24.5#

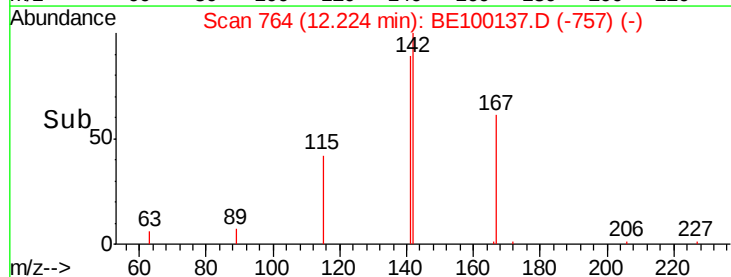
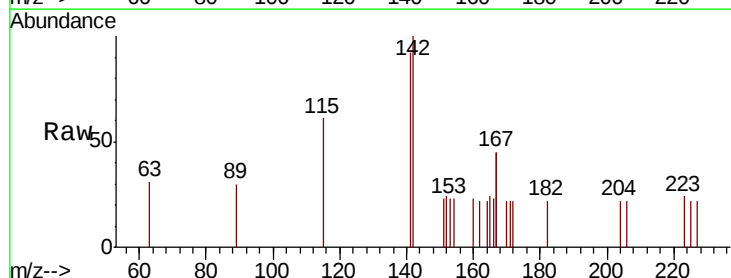
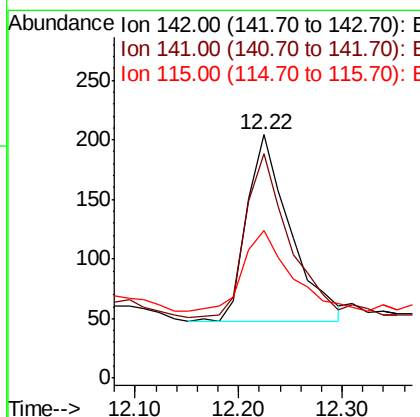
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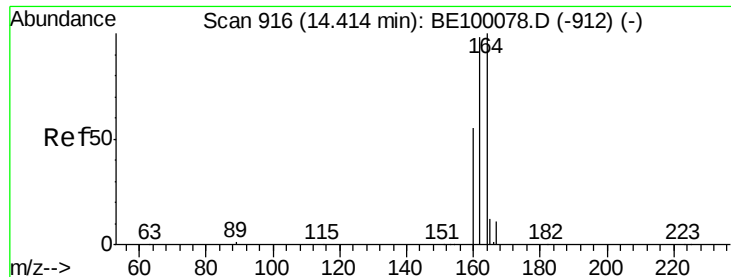
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#12
2-Methylnaphthalene
Concen: 0.132 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.1	111.1
115	60.8	40.9	61.3





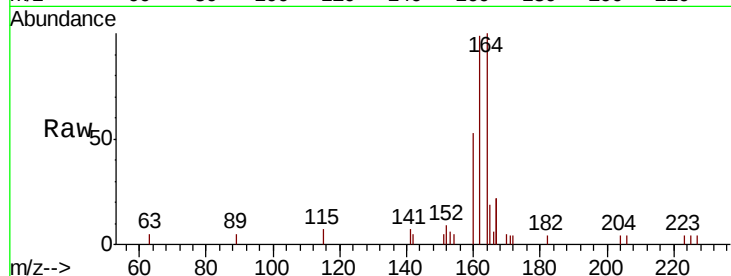
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.2	117.2
160	52.5	45.6	68.4

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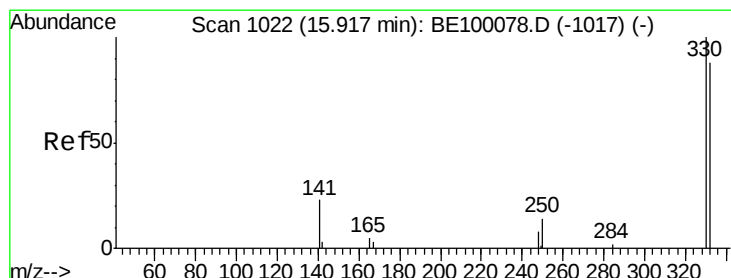
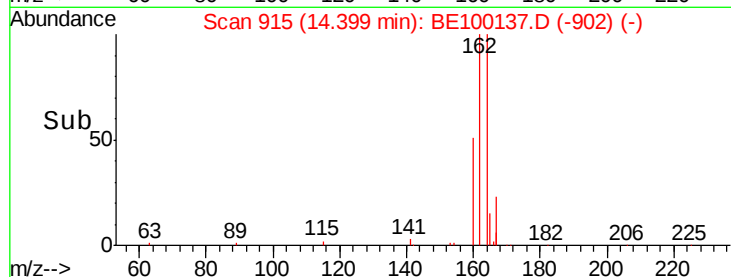
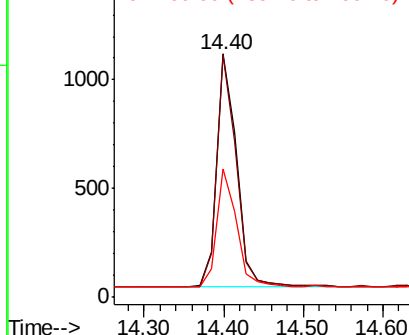


Abundance

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: 0.297 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

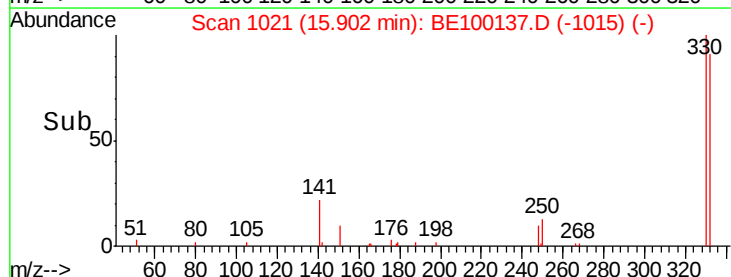
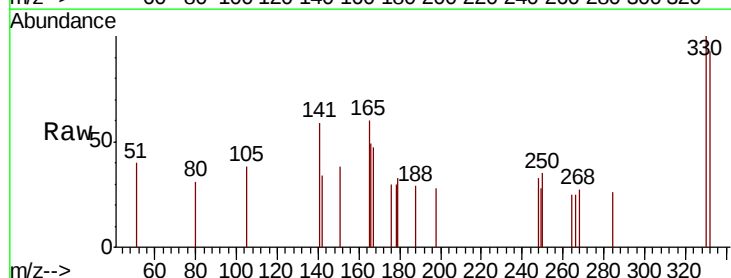
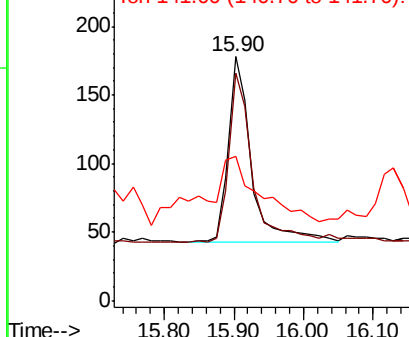
Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.5	73.3	109.9
141	56.7	22.2	33.2#

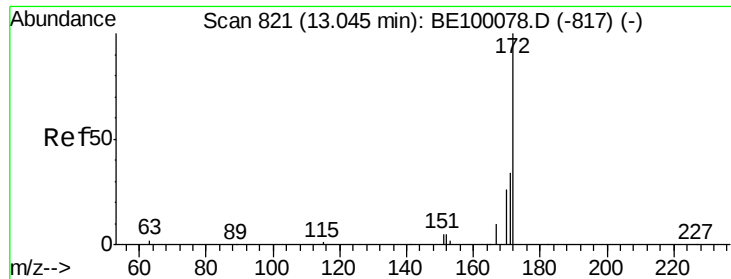
Abundance

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





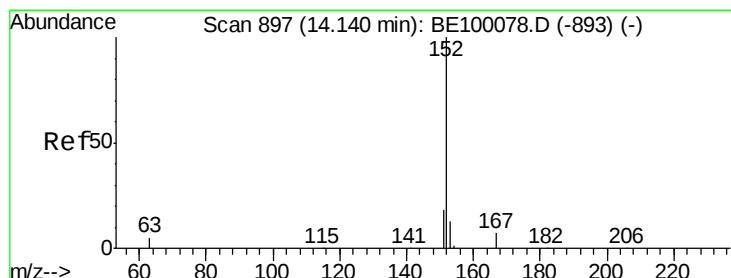
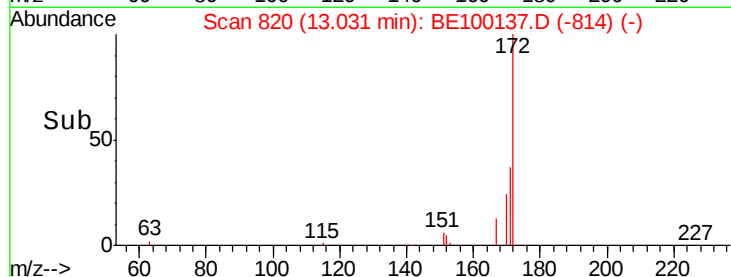
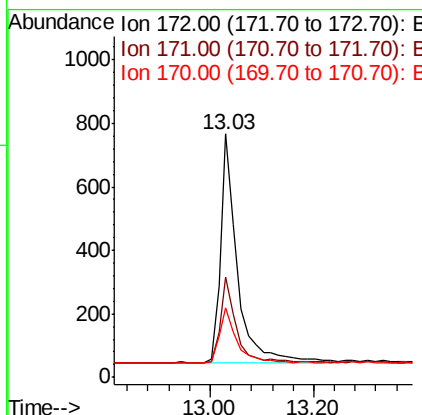
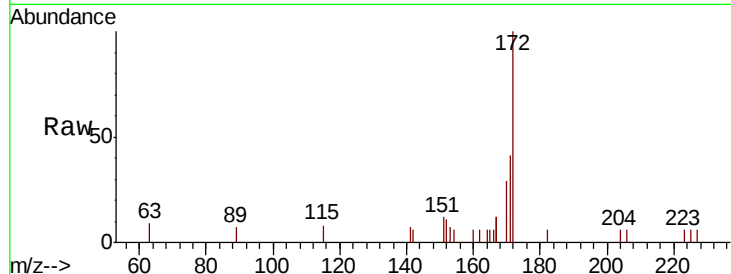
#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.9	29.8	44.8
170	28.7	23.2	34.8

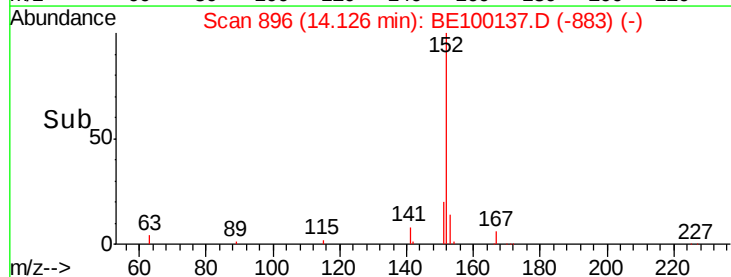
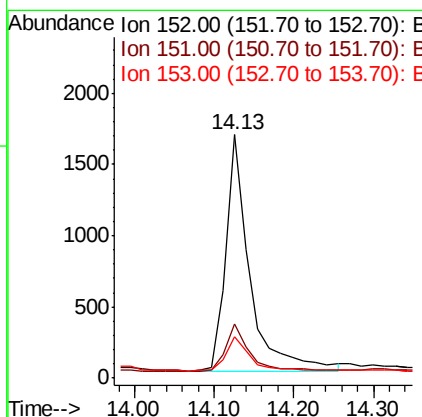
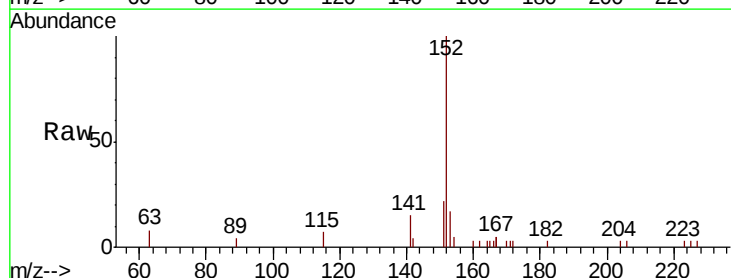
Manual Integrations
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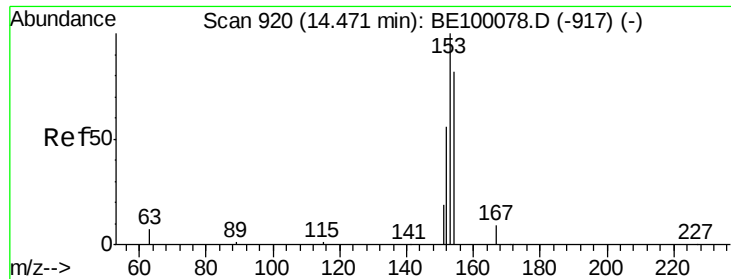
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#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	14.2	10.1	15.1





#17

Acenaphthene

Concen: 0.074 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Instrument :

BNA_E

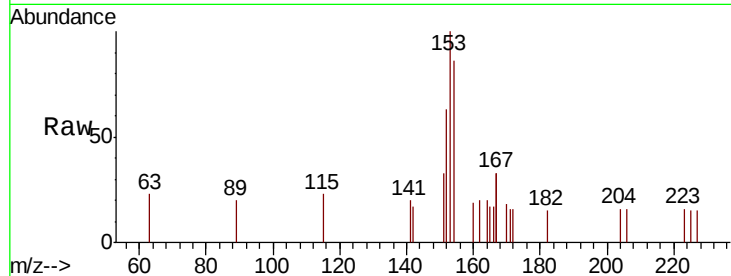
ClientSampleId :

PST-084-B040-061319

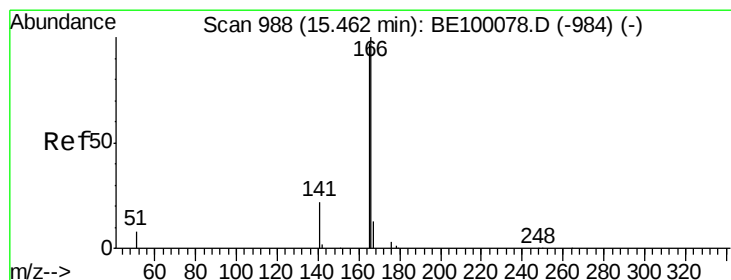
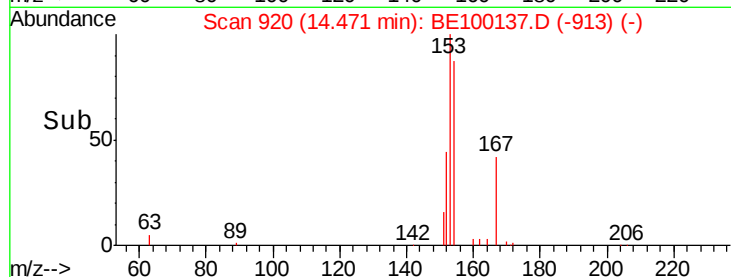
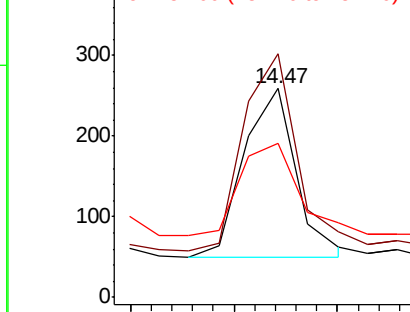
Tot Ion:	154	Resp:	370
Ion	Ratio	Lower	Upper
154	100		
153	121.4	95.5	143.3
152	61.1	54.9	82.3

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



#18

Fluorene

Concen: 0.172 ng

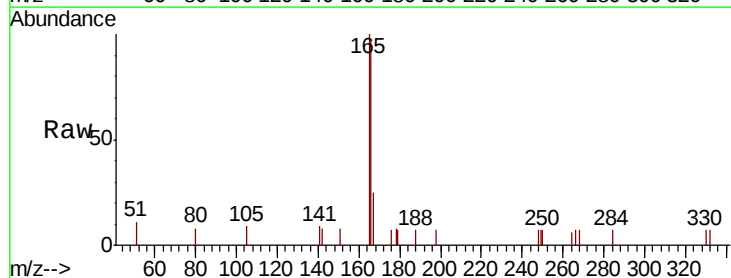
RT: 15.45 min Scan# 987

Delta R.T. -0.01 min

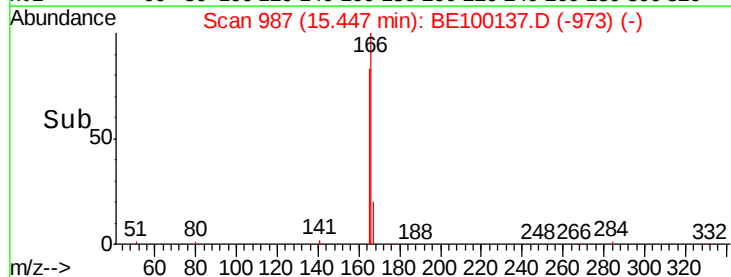
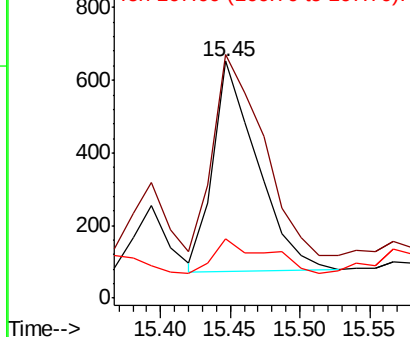
Lab File: BE100137.D

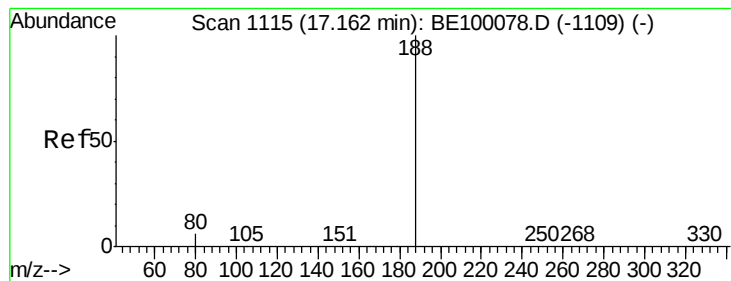
Acq: 21 Jun 2019 15:40

Tgt Ion:	166	Resp:	1271
Ion	Ratio	Lower	Upper
166	100		
165	109.2	79.8	119.8
167	20.8	10.2	15.4#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Instrument :

BNA_E

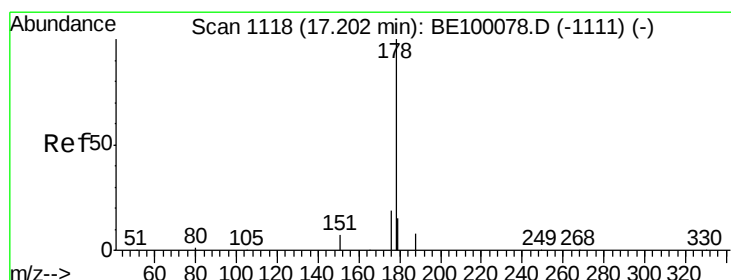
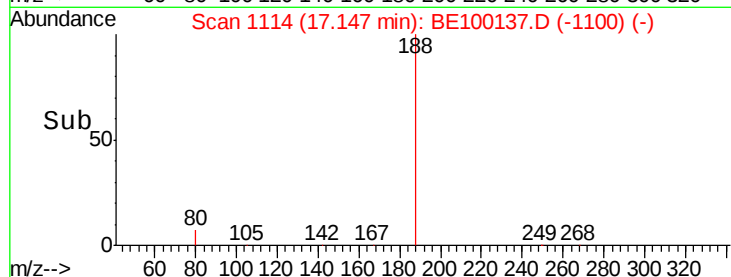
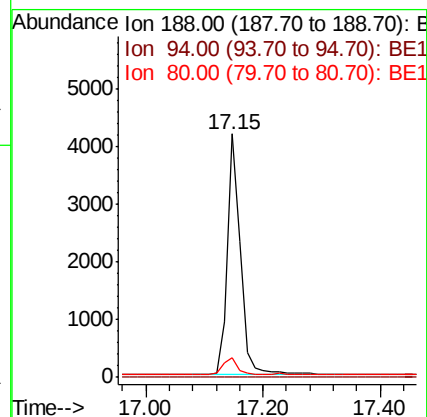
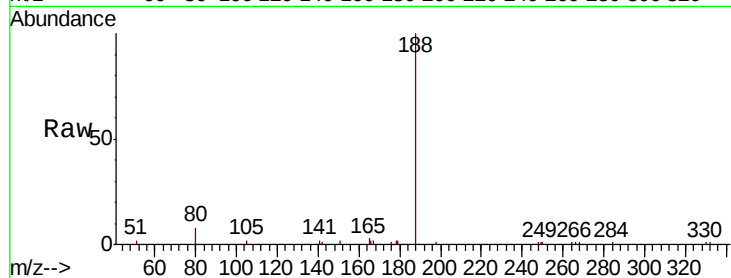
ClientSampleId :

PST-084-B040-061319

Tot Ion:	188	Resp:	6600
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.2	6.3	9.5

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#23

Phenanthrene

Concen: 2.054 ng

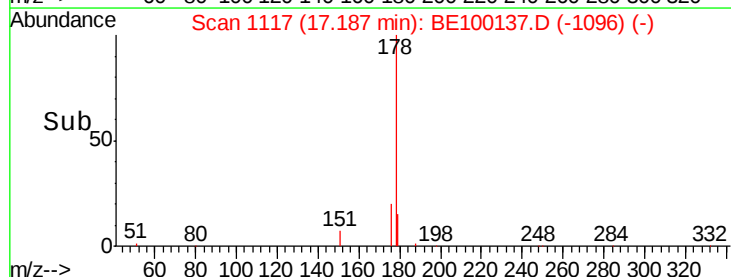
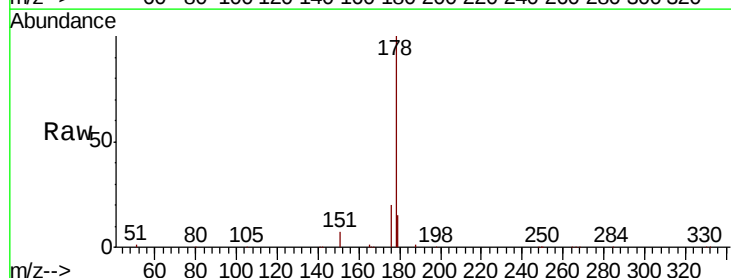
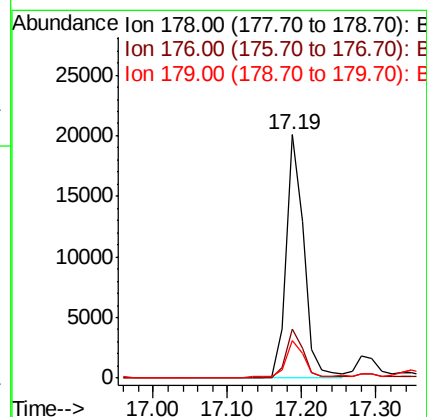
RT: 17.19 min Scan# 1117

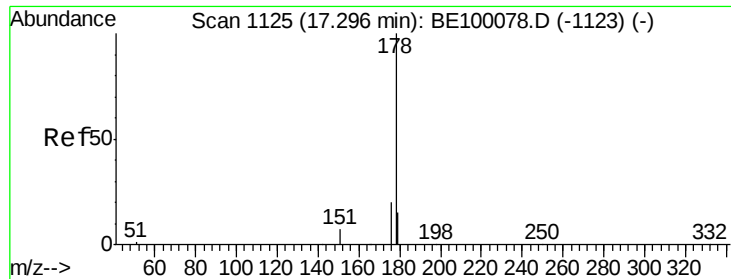
Delta R.T. -0.01 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Tgt Ion:	178	Resp:	32487
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	15.5	13.1	19.7





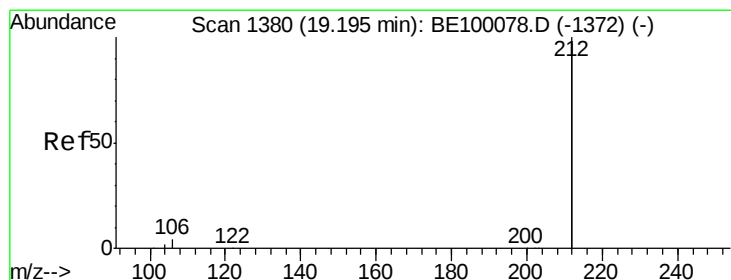
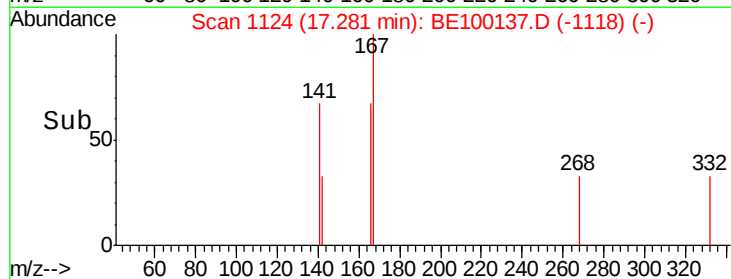
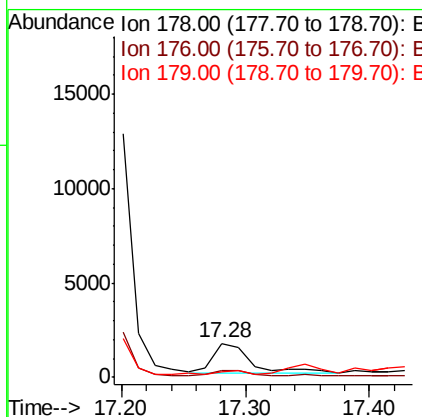
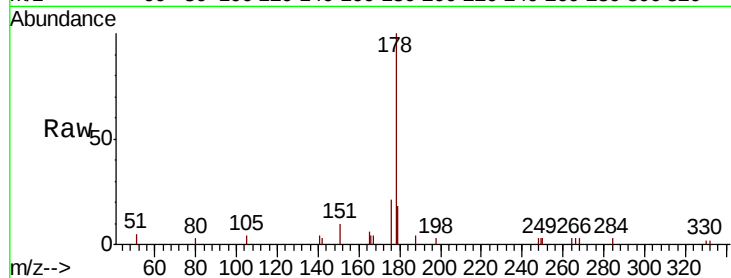
#24
 Anthracene
 Concen: 0.250 ng
 RT: 17.28 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BE100137.D
 Acq: 21 Jun 2019 15:40

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	8.9	12.0	18.0#

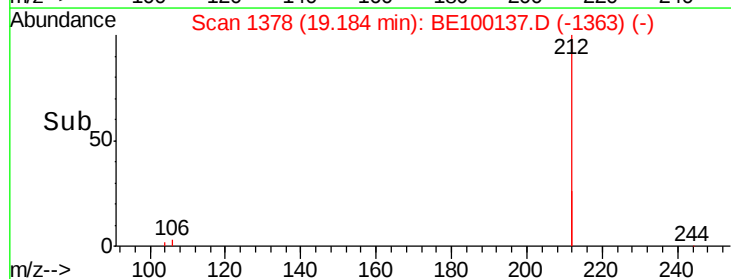
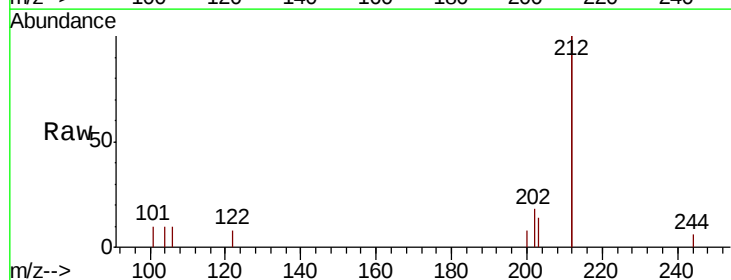
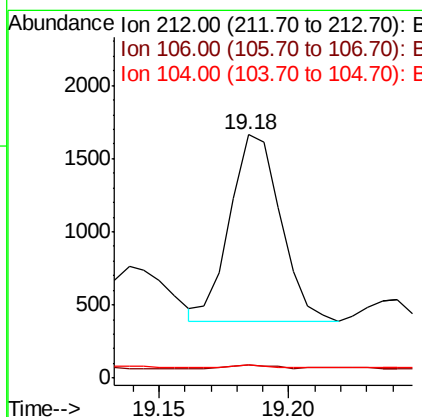
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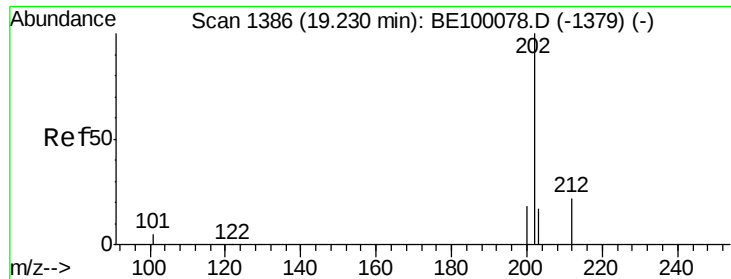
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#25
 Fluoranthene-d10
 Concen: 0.019 ng
 RT: 19.18 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: BE100137.D
 Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.4	2.0#
104	1.7	0.8	1.2#





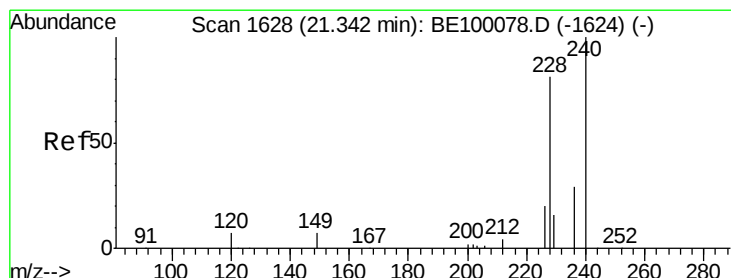
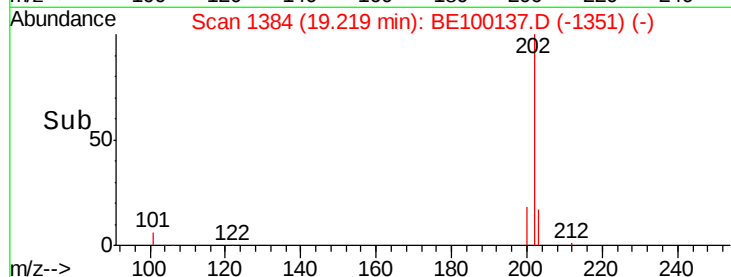
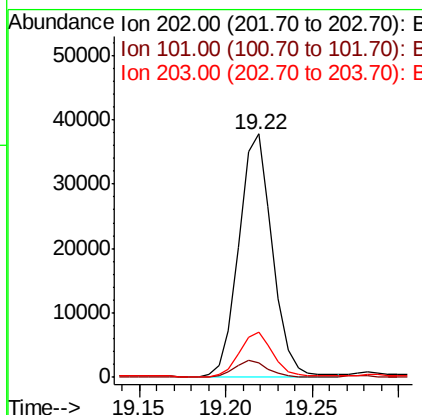
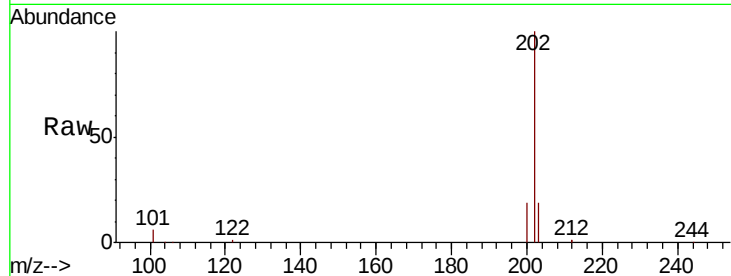
#26
Fluoranthene
 Concen: 1.998 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BE100137.D
 Acq: 21 Jun 2019 15:40

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.0	7.4
203	18.0	13.7	20.5

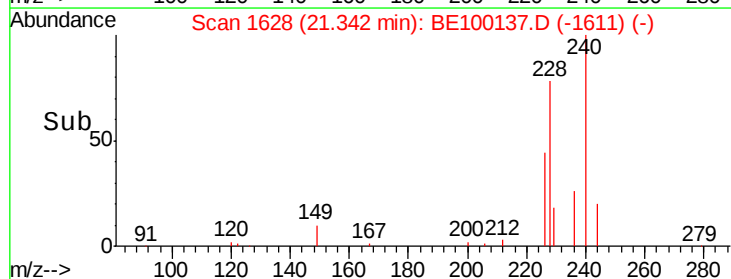
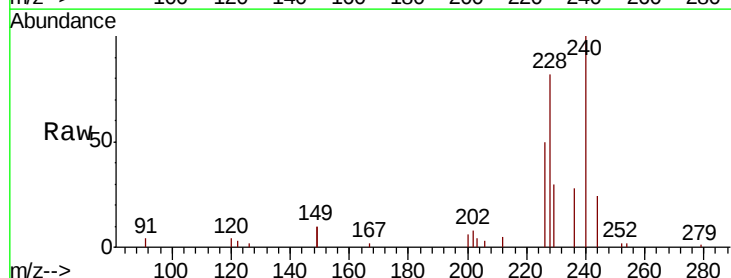
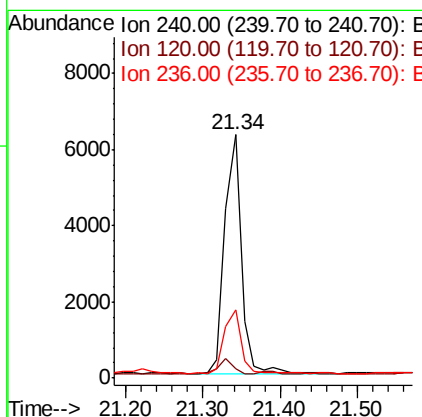
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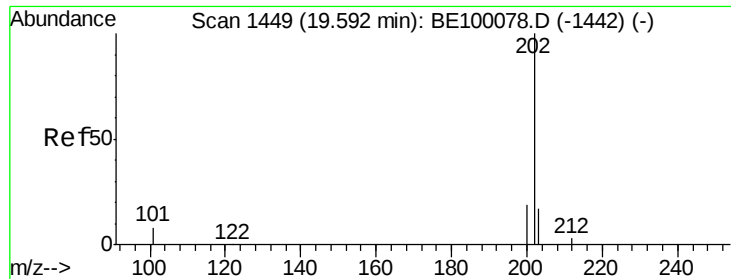
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE100137.D
 Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.1	6.6	10.0#
236	28.0	23.8	35.6





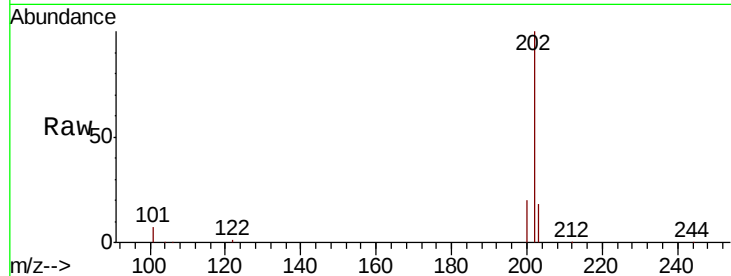
#28
Pvrene
Concen: 3.161 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.5	13.9	20.9

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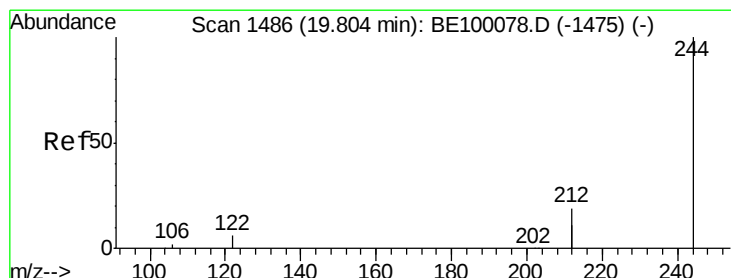
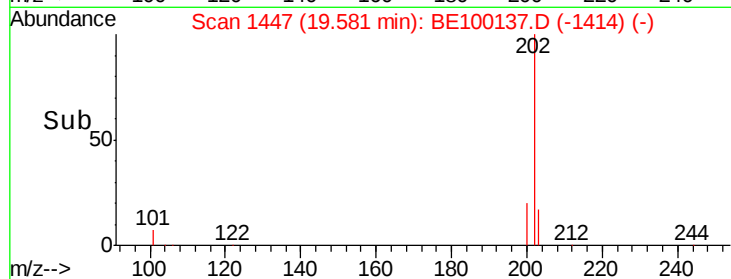
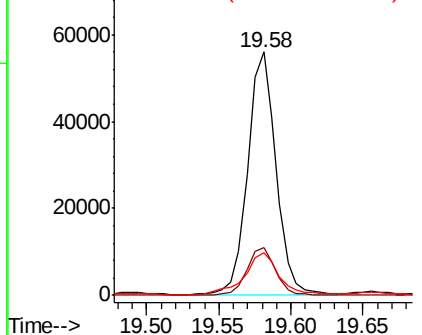


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.236 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

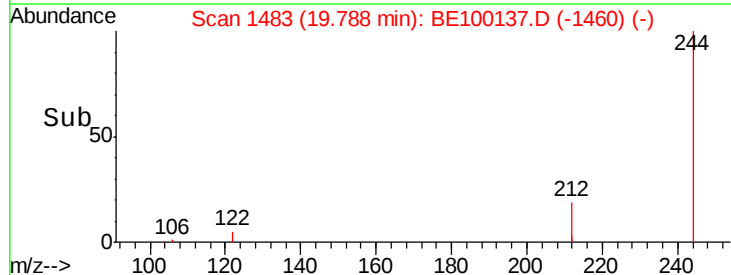
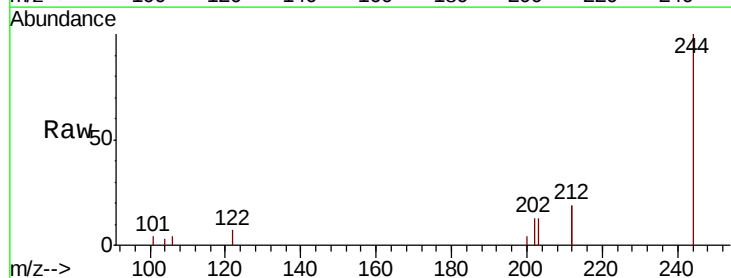
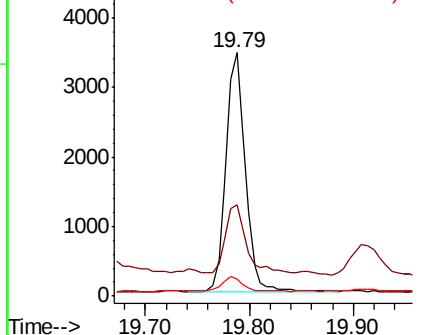
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	37.4	29.8	44.8
122	7.0	6.1	9.1

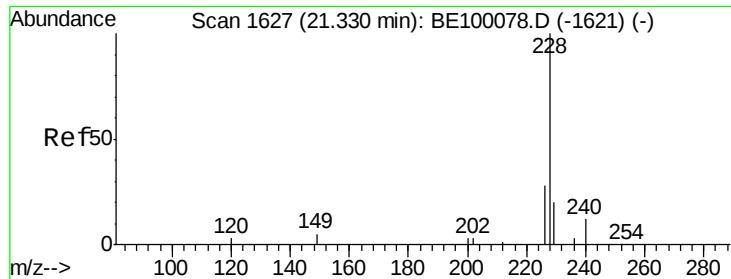
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





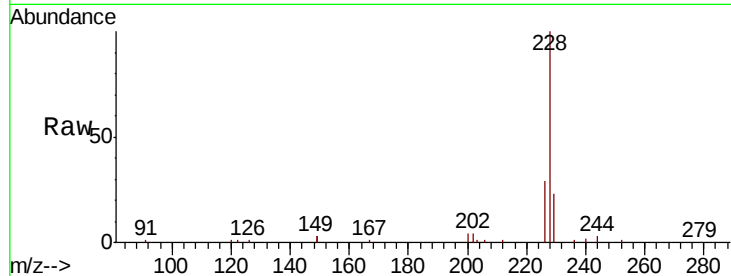
#30
Benzo(a)anthracene
Concen: 1.340 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.4
229	22.9	16.4	24.6

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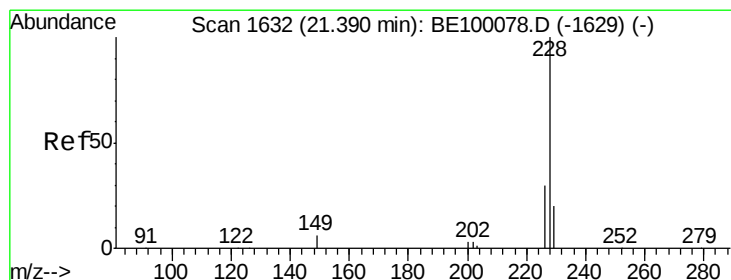
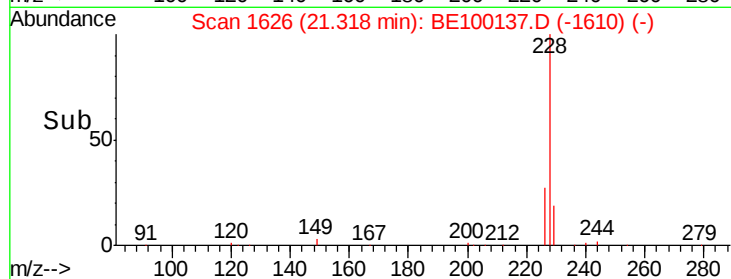
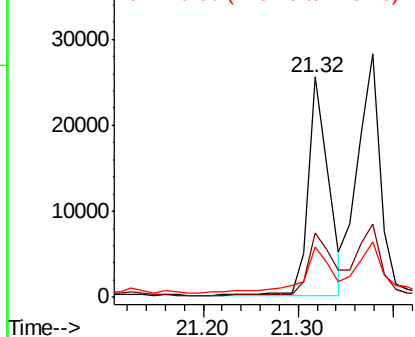


Abundance

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: 1.429 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

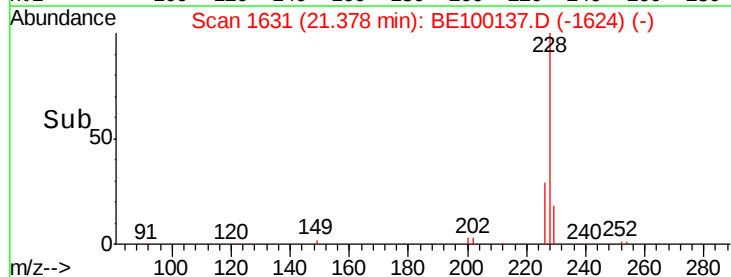
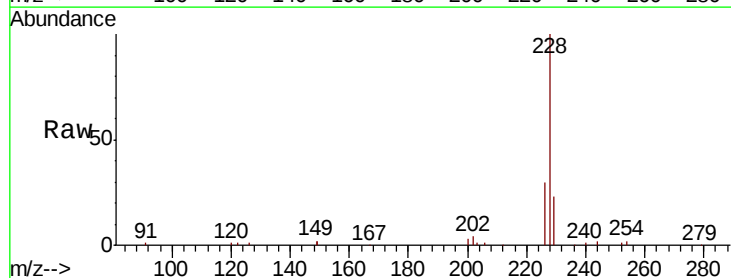
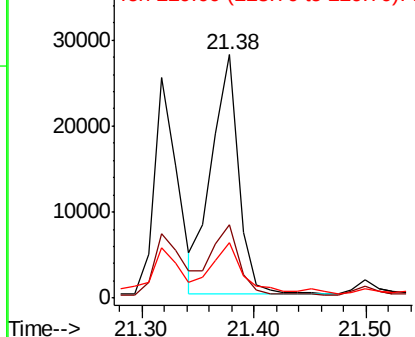
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	22.7	16.3	24.5

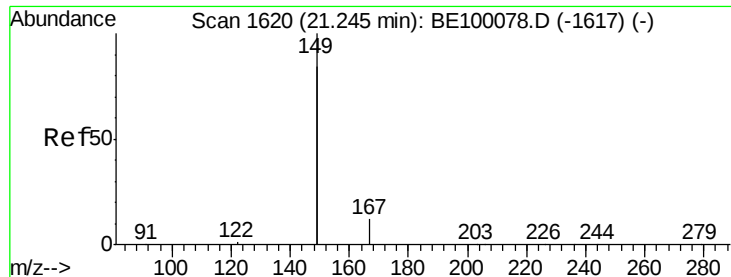
Abundance

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: 0.185 ng/ml

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Instrument :

BNA_E

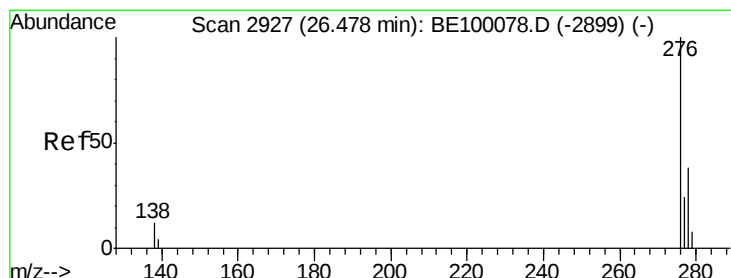
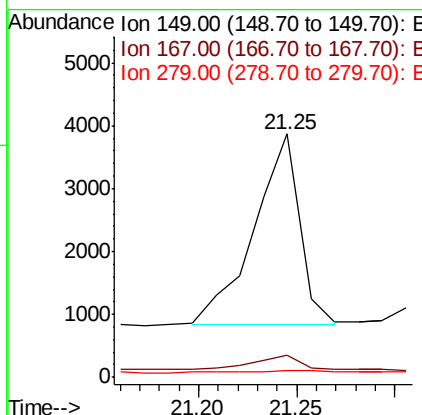
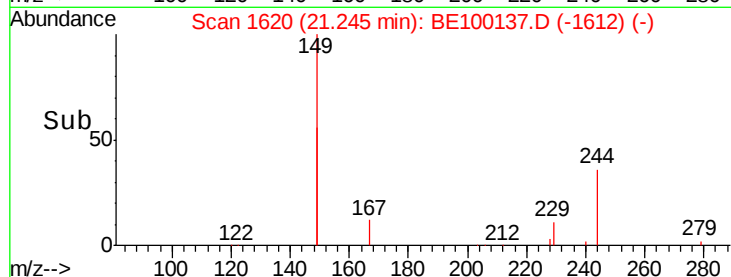
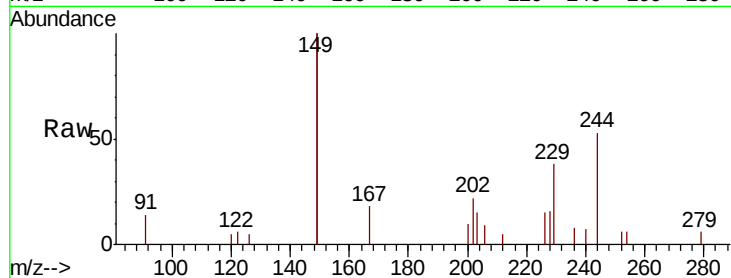
ClientSampleId :

PST-084-B040-061319

Tot Ion:	149	Resp:	4884
Ion Ratio	Lower	Upper	
149	100		
167	2.3	5.8	8.6#
279	0.5	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.517 ng

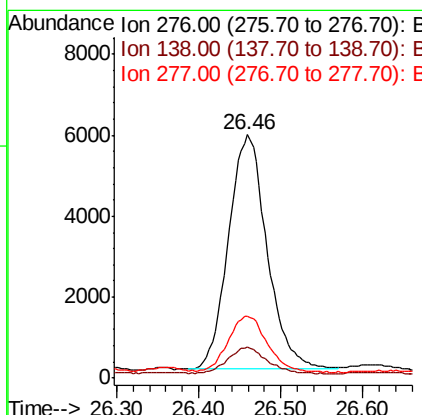
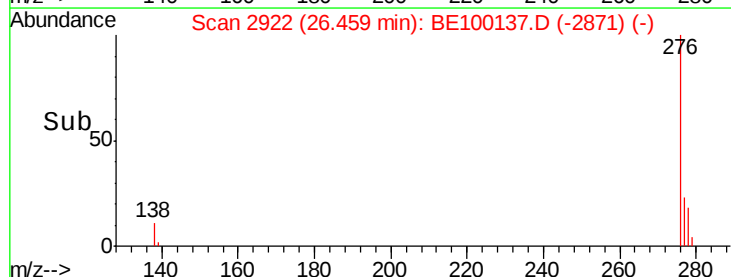
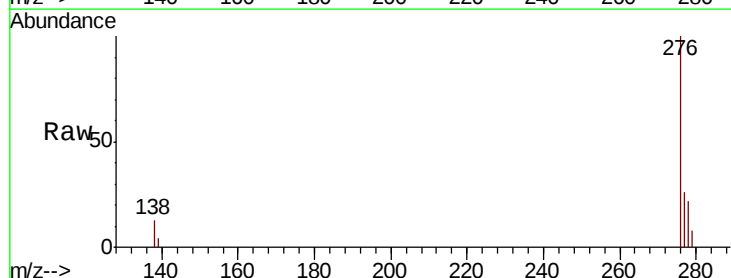
RT: 26.46 min Scan# 2922

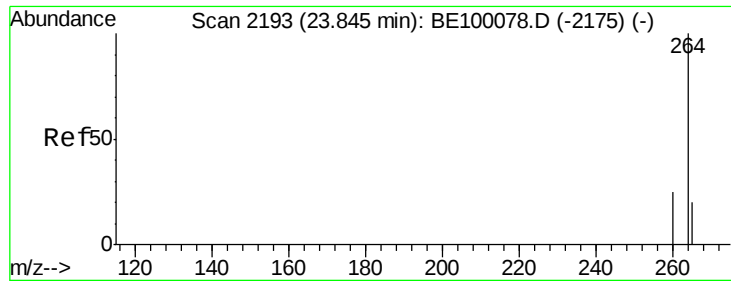
Delta R.T. -0.02 min

Lab File: BE100137.D

Acq: 21 Jun 2019 15:40

Tgt Ion:	276	Resp:	18980
Ion Ratio	Lower	Upper	
276	100		
138	11.2	4.3	6.5#
277	24.4	19.4	29.0





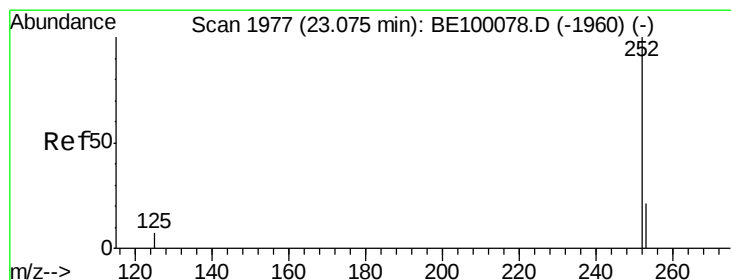
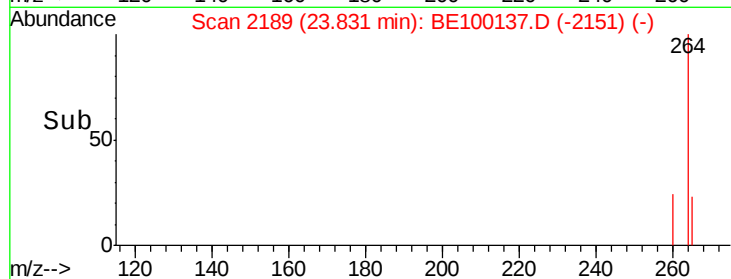
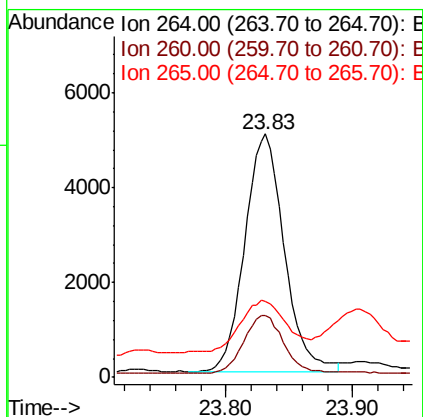
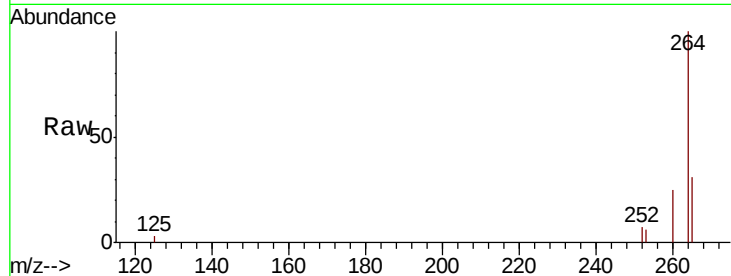
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.8	31.2
265	31.3	23.2	34.8

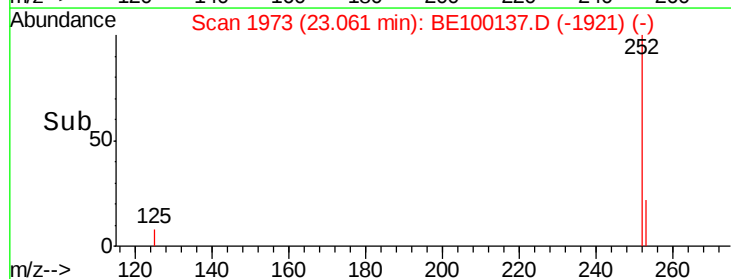
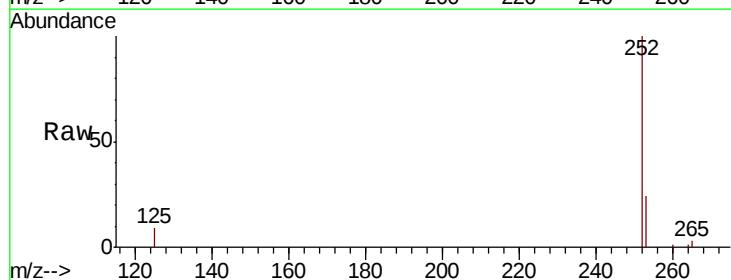
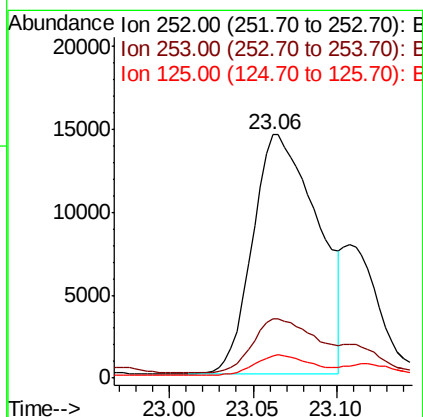
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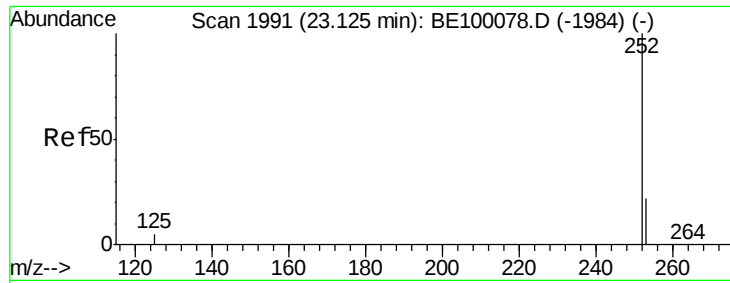
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#35
Benzo(b)fluoranthene
Concen: 1.215 ng
RT: 23.06 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	9.3	6.4	9.6





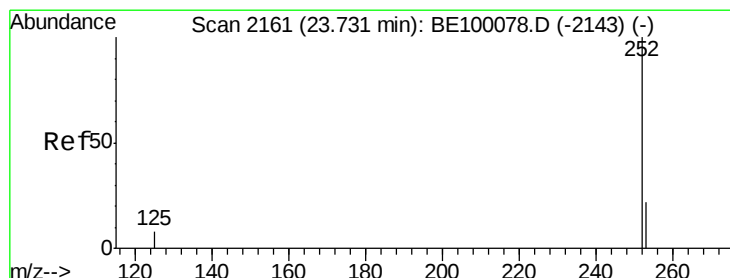
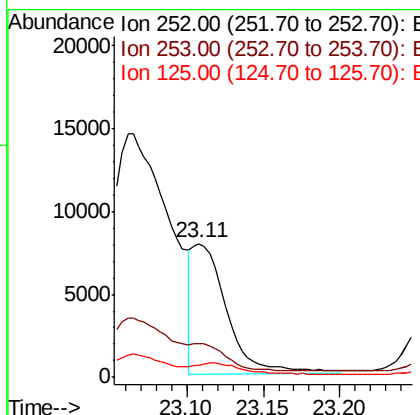
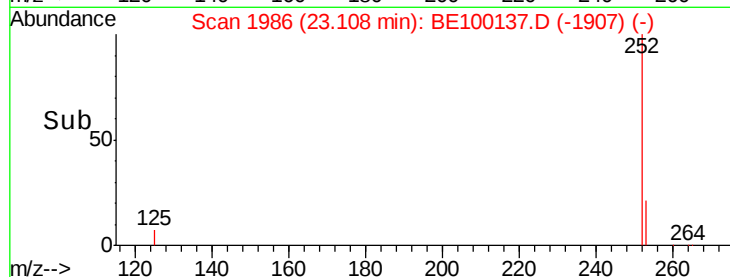
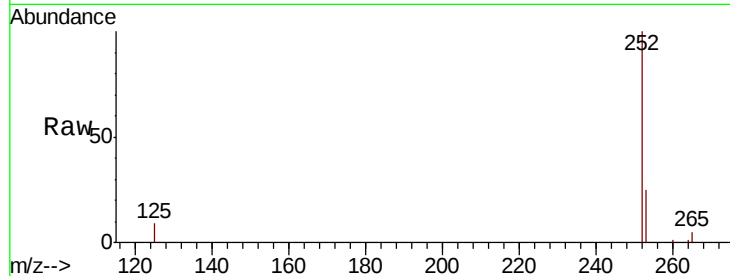
#36
Benzo(k)fluoranthene
Concen: 0.342 ng m
RT: 23.11 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.9	28.3
125	9.2	5.3	7.9

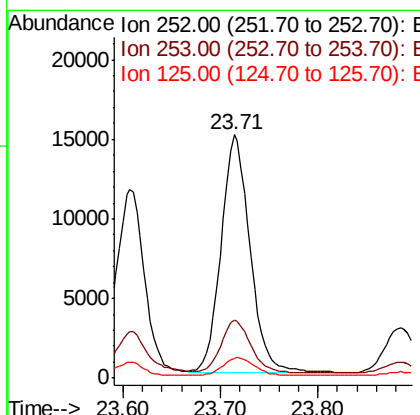
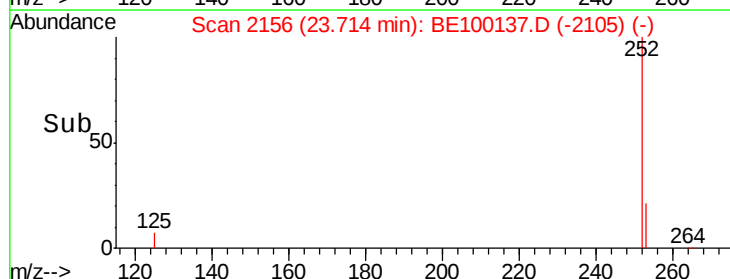
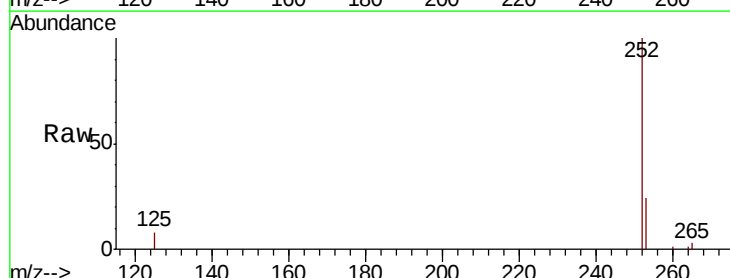
Manual Integrations
APPROVED

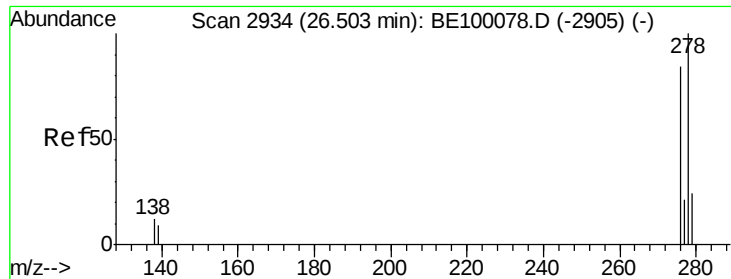
mohammad
6/25/2019 3:21:08 PM



#37
Benzo(a)pyrene
Concen: 0.989 ng
RT: 23.71 min Scan# 2156
Delta R.T. -0.02 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.2
125	8.0	8.0	12.0





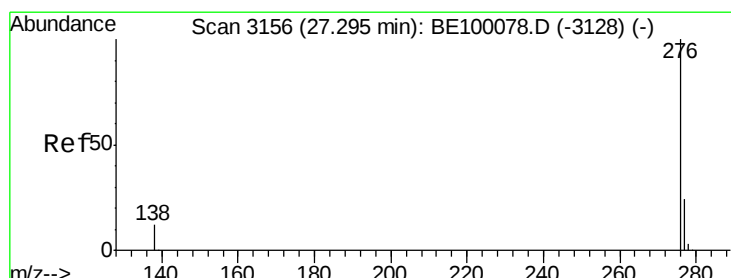
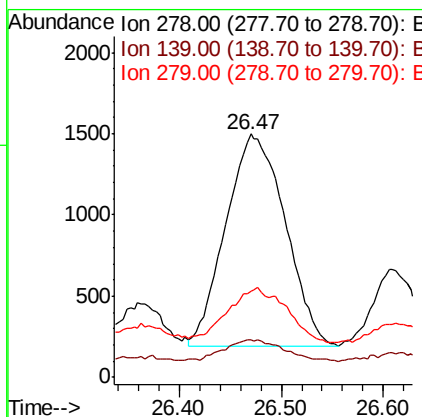
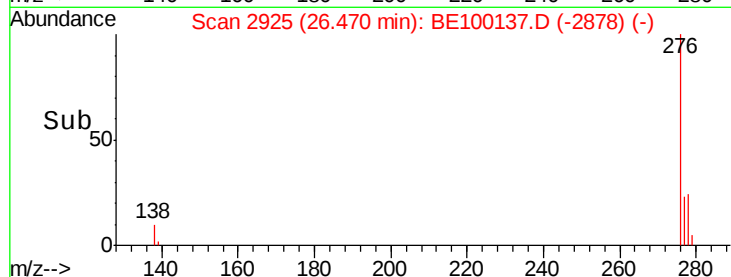
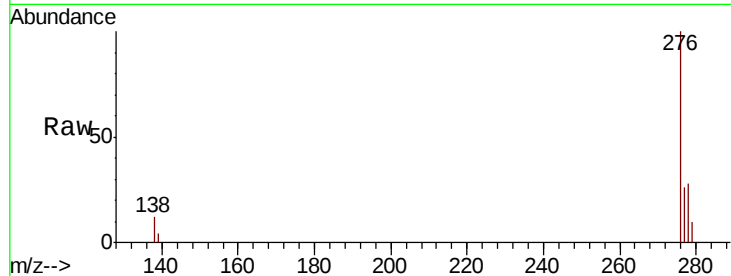
#38
Dibenzo(a,h)anthracene
Concen: 0.166 ng
RT: 26.47 min Scan# 2925
Delta R.T. -0.03 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B040-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	9.0	13.6#
279	35.6	21.4	32.0#

Manual Integrations
APPROVED

mohammad
6/25/2019 3:21:08 PM



#39
Benzo(g,h,i)perylene
Concen: 0.686 ng
RT: 27.28 min Scan# 3151
Delta R.T. -0.02 min
Lab File: BE100137.D
Acq: 21 Jun 2019 15:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.3	30.5
138	12.1	11.3	16.9

