

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100142.D
 Acq On : 21 Jun 2019 18:42
 Operator : JU/SJ
 Sample : K3428-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 6/25/2019 3:21:14 PM

Quant Time: Jun 22 03:08:18 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	473	0.40	ng	-0.01
7) Naphthalene-d8	10.55	136	1677	0.40	ng	0.01
13) Acenaphthene-d10	14.40	164	1730	0.40	ng	-0.02
19) Phenanthrene-d10	17.15	188	6088	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	7801	0.40	ng	0.00
34) Perylene-d12	23.83	264	8804	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	330	0.34	ng	0.00
5) Phenol-d6	6.92	99	380	0.28	ng	-0.01
8) Nitrobenzene-d5	8.94	82	389	0.24	ng	0.03
11) 2-Methylnaphthalene-d10	12.15	152	61	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	254	0.27	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	1653	0.24	ng	0.00
25) Fluoranthene-d10	19.19	212	1571	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	4106	0.26	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.59	128	1174	0.064	ng	# 79
12) 2-Methylnaphthalene	12.24	142	202	0.067	ng	# 92
16) Acenaphthylene	14.12	152	1206	0.147	ng	98
17) Acenaphthene	14.47	154	112	0.024	ng	# 89
18) Fluorene	15.45	166	321	0.047	ng	# 86
22) Pentachlorophenol	16.83	266	169	0.372	ng	92
23) Phenanthrene	17.19	178	9361	0.642	ng	97
24) Anthracene	17.30	178	970	0.079	ng	# 92
26) Fluoranthene	19.22	202	19918	0.851	ng	99
28) Pvrene	19.58	202	25039	1.249	ng	97
30) Benzo(a)anthracene	21.32	228	13351	0.575	ng	96
31) Chrysene	21.38	228	16932	0.628	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	3839	0.175	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.46	276	8255	0.272	ng	# 94
35) Benzo(b)fluoranthene	23.07	252	16801	0.650	ng	# 95
36) Benzo(k)fluoranthene	23.11	252	5479m	0.186	ng	
37) Benzo(a)pvrene	23.72	252	11939	0.479	ng	98
38) Dibenzo(a,h)anthracene	26.49	278	2311	0.090	ng	# 74
39) Benzo(g,h,i)perylene	27.27	276	9271	0.349	ng	100

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

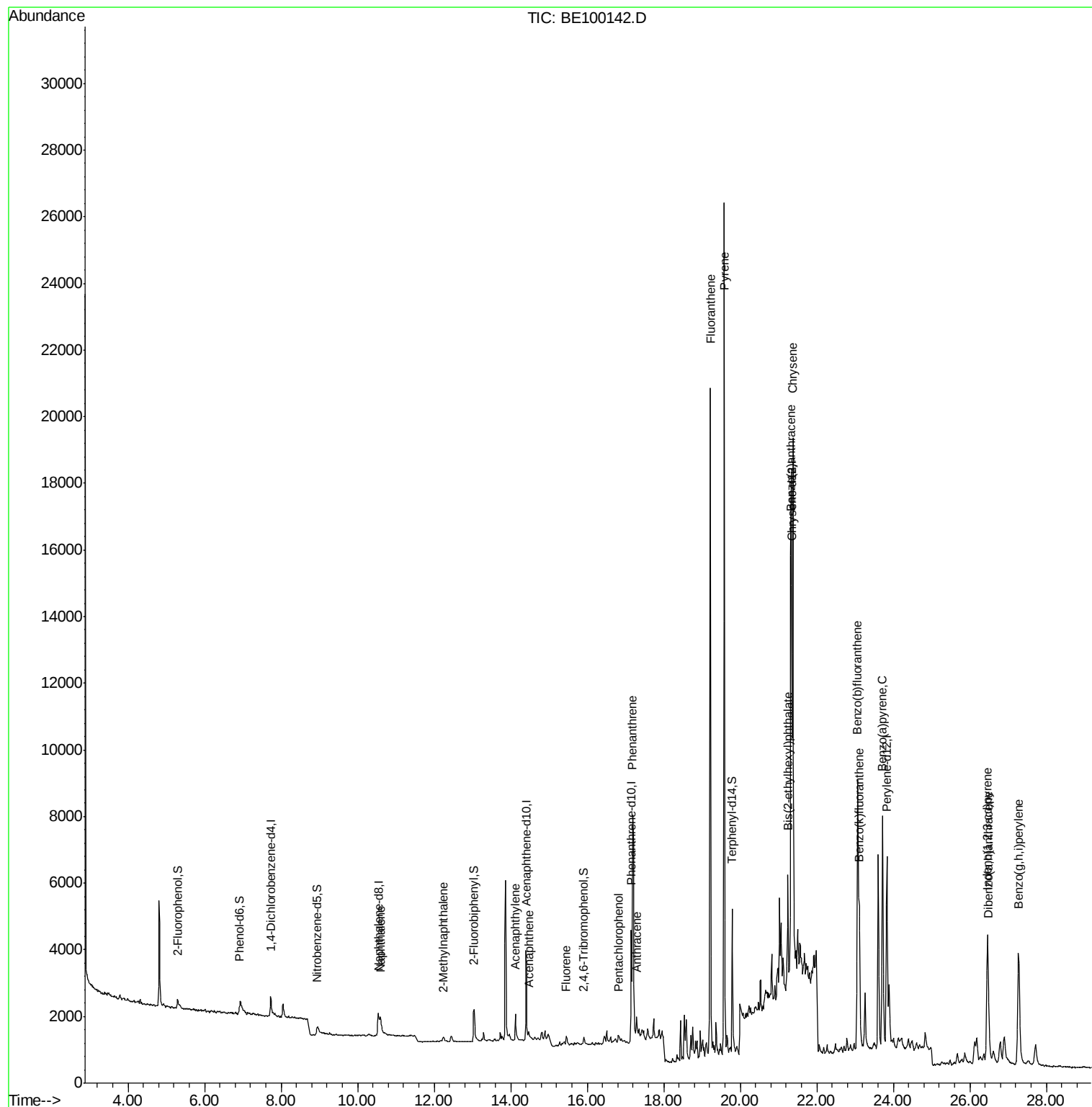
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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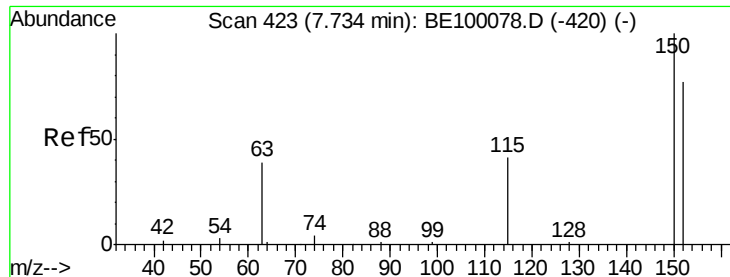
Instrument :
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PST-084-SW055-061319

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#1

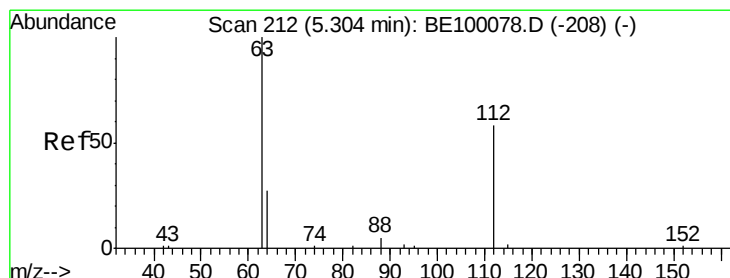
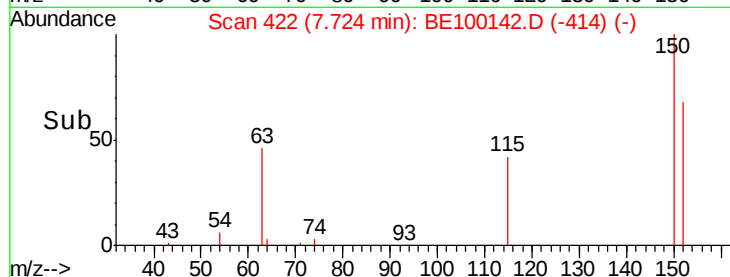
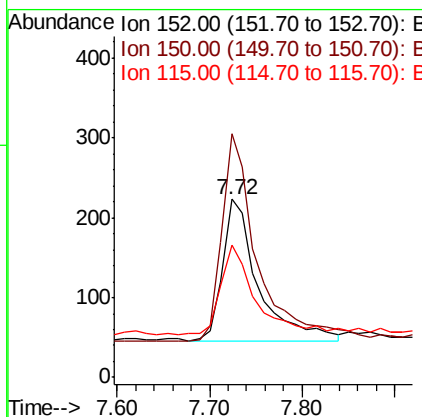
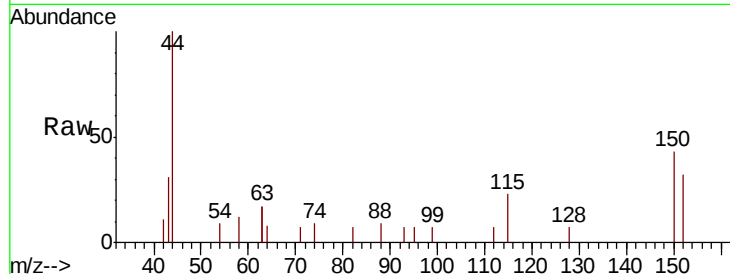
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.8	99.8	149.8
115	74.0	51.3	76.9

Manual Integrations
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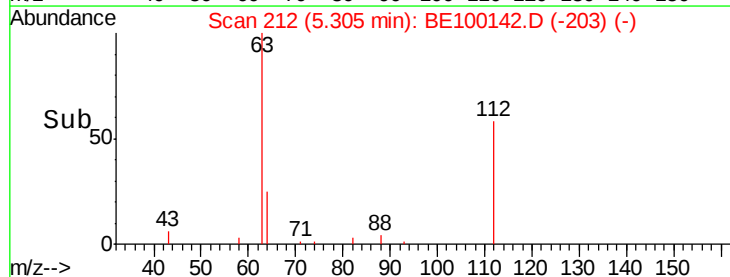
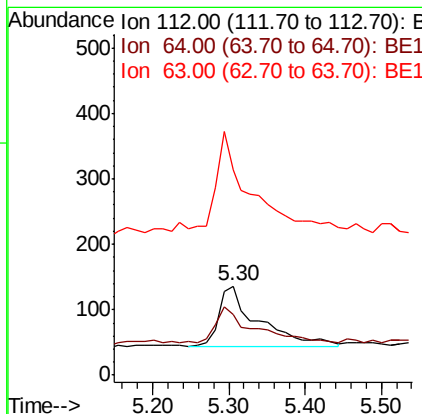
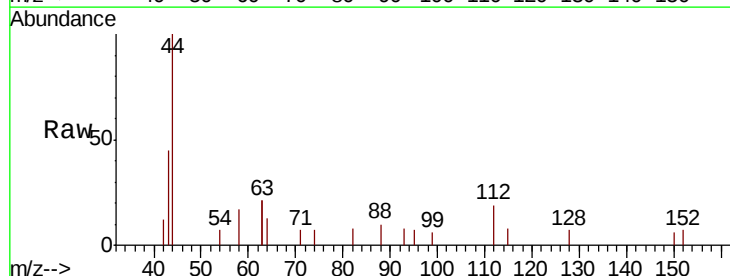
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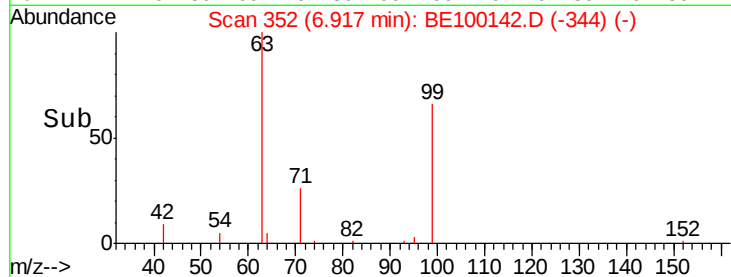
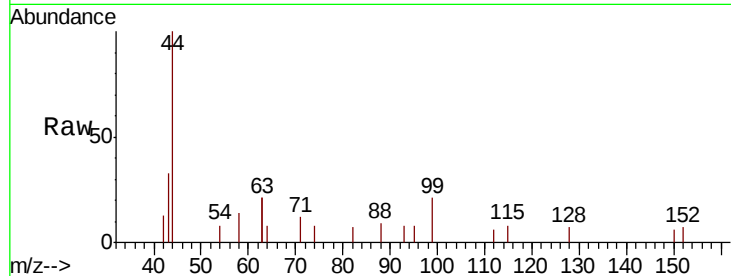
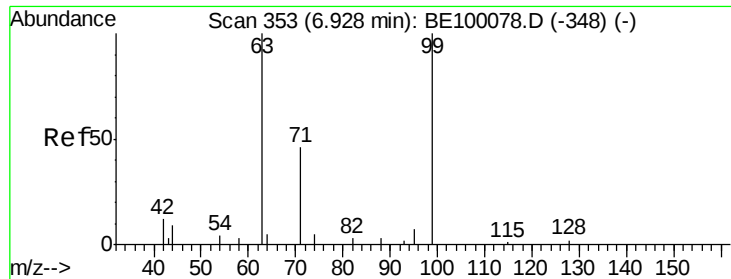


#4

2-Fluorophenol
Concen: 0.336 ng
RT: 5.30 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	22.0	33.0#
63	144.2	121.8	182.6





#5

Phenol-d6

Concen: 0.282 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Tot Ion:	99	Resp:	380
Ion	Ratio	Lower	Upper
99	100		
42	22.6	0.0	0.0#
71	48.4	37.6	56.4

Instrument :

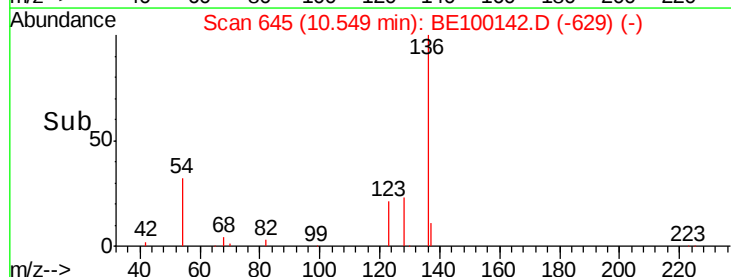
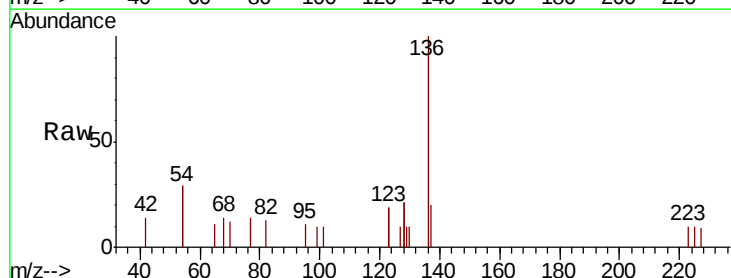
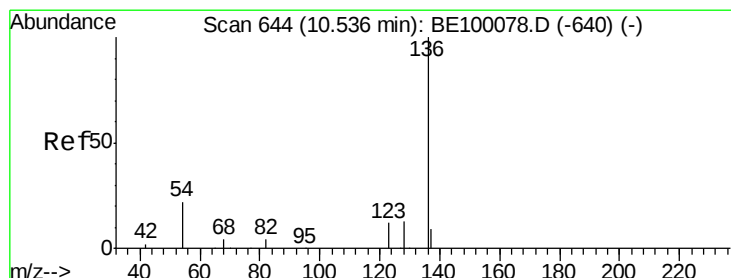
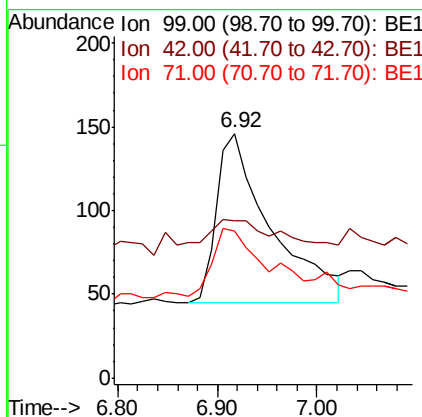
BNA_E

ClientSampleId :

PST-084-SW055-061319

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#7

Naphthalene-d8

Concen: 0.400 ng

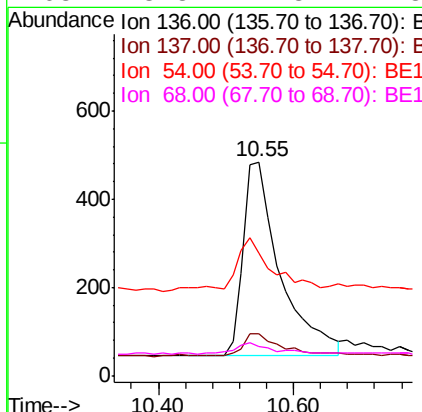
RT: 10.55 min Scan# 645

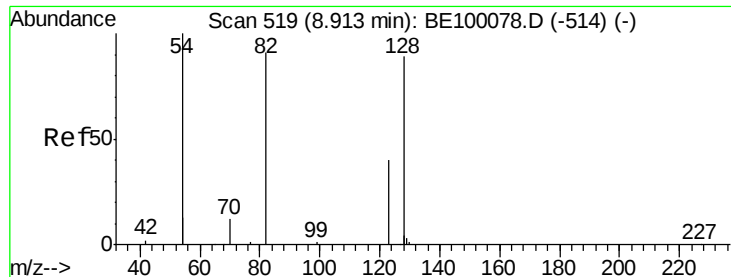
Delta R.T. 0.01 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Tgt Ion:	136	Resp:	1677
Ion	Ratio	Lower	Upper
136	100		
137	19.6	11.6	17.4#
54	57.4	33.9	50.9#
68	13.8	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.239 ng

RT: 8.94 min Scan# 521

Delta R.T. 0.03 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

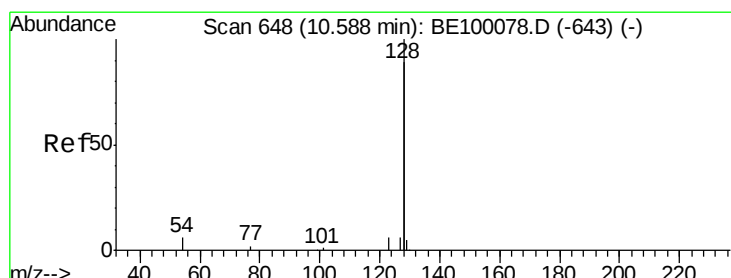
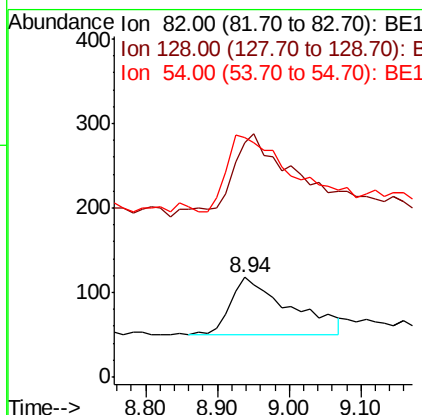
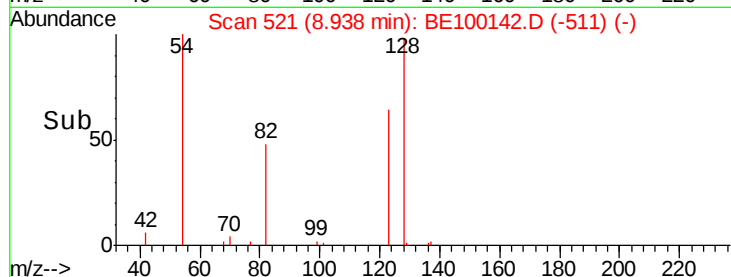
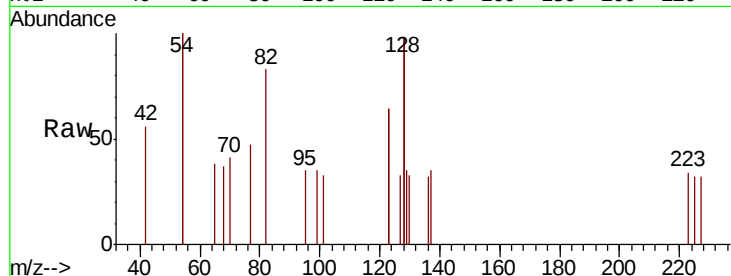
ClientSampleId :

PST-084-SW055-061319

Tot Ion:	82	Resp:	389
Ion	Ratio	Lower	Upper
82	100		
128	235.6	128.0	192.0#
54	240.7	143.4	215.0#

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#9

Naphthalene

Concen: 0.064 ng

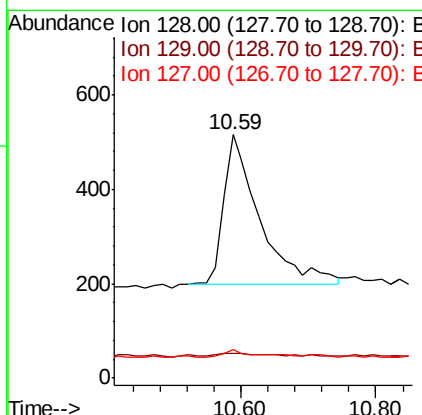
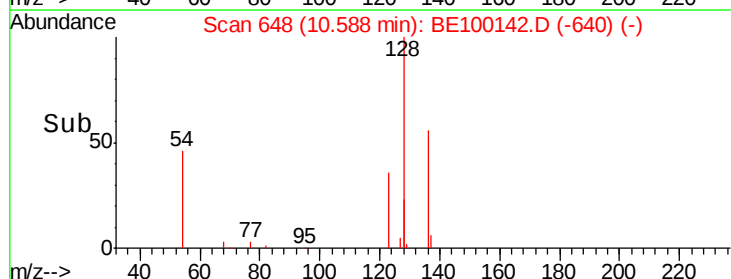
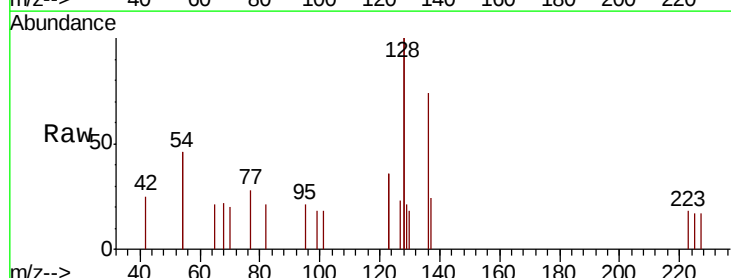
RT: 10.59 min Scan# 648

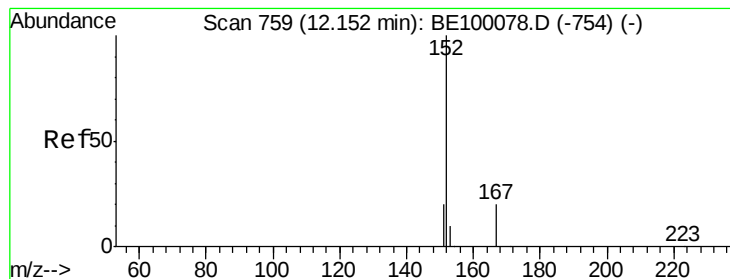
Delta R.T. -0.00 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Tgt Ion:	128	Resp:	1174
Ion	Ratio	Lower	Upper
128	100		
129	10.3	3.1	4.7#
127	11.6	3.4	5.2#





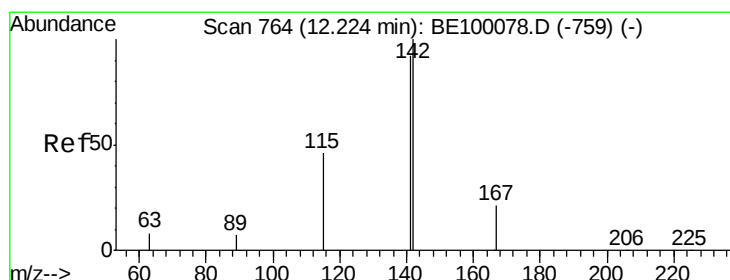
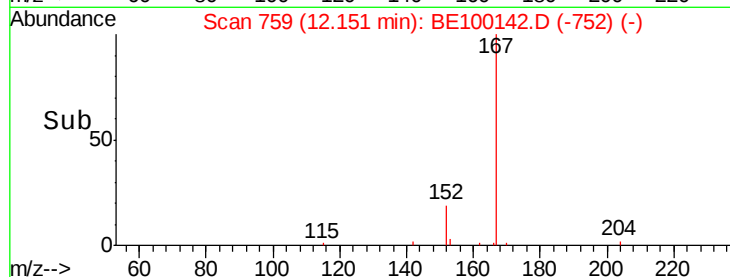
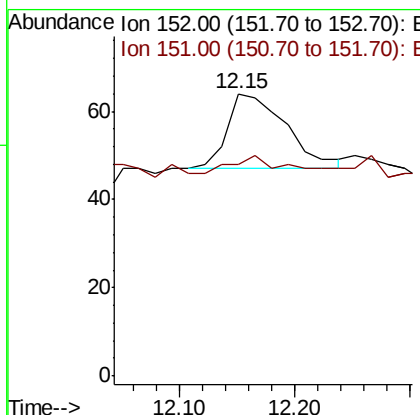
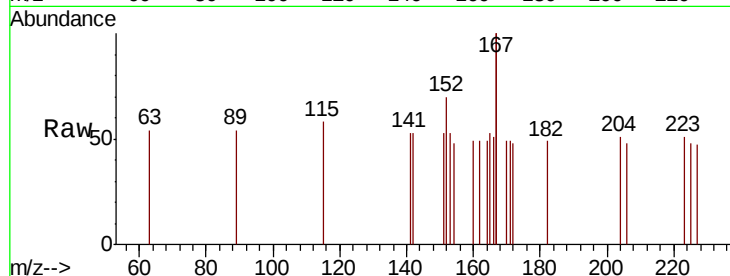
#11
2-Methylnaphthalene-d10
Concen: 0.019 ng
RT: 12.15 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion:152 Resp: 61
Ion Ratio Lower Upper
152 100
151 18.0 16.3 24.5

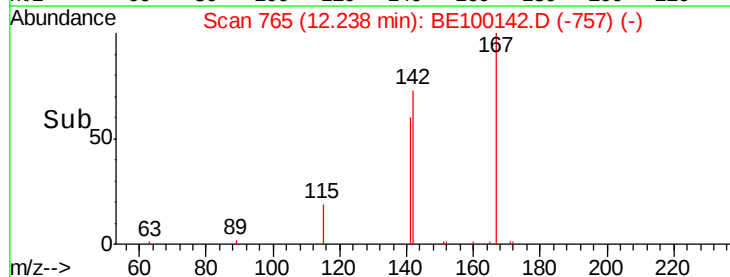
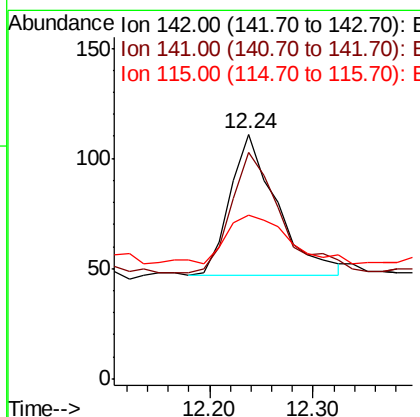
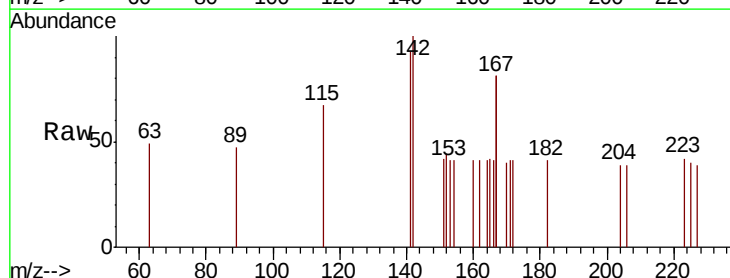
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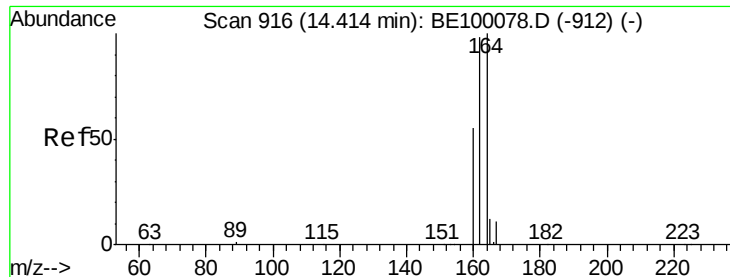
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#12
2-Methylnaphthalene
Concen: 0.067 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion:142 Resp: 202
Ion Ratio Lower Upper
142 100
141 92.8 74.1 111.1
115 66.7 40.9 61.3#





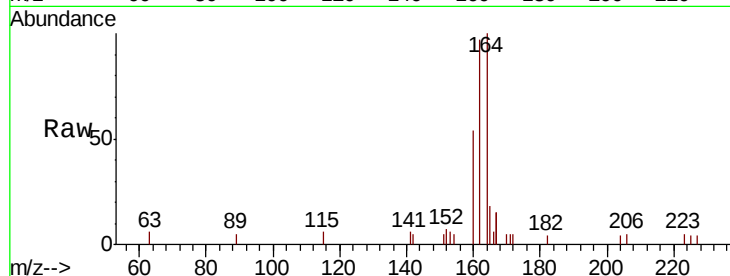
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.02 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.6	78.2	117.2
160	54.2	45.6	68.4

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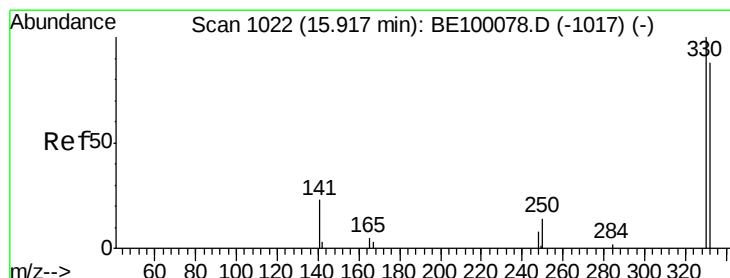
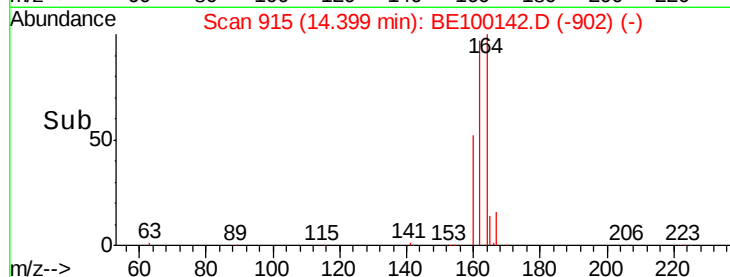
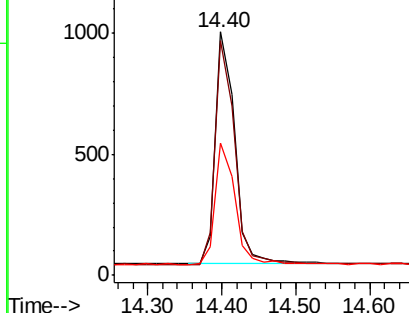


Abundance

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: 0.266 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

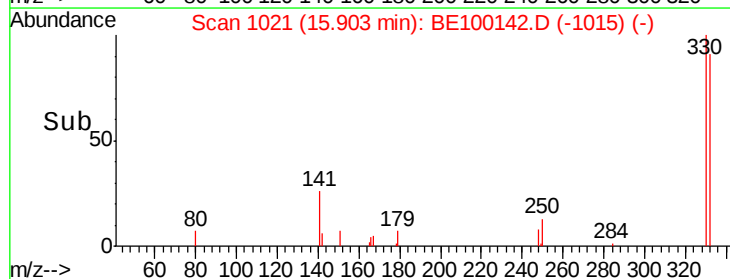
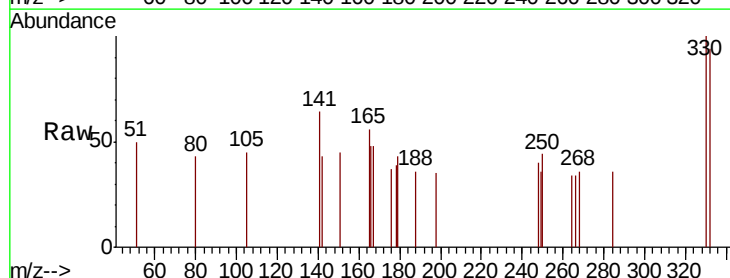
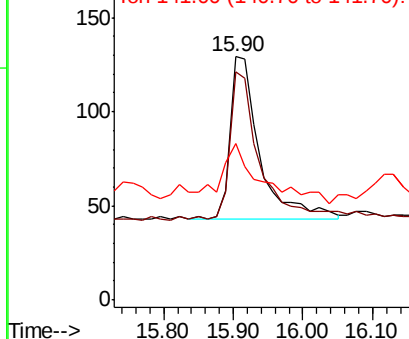
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	73.3	109.9
141	50.0	22.2	33.2#

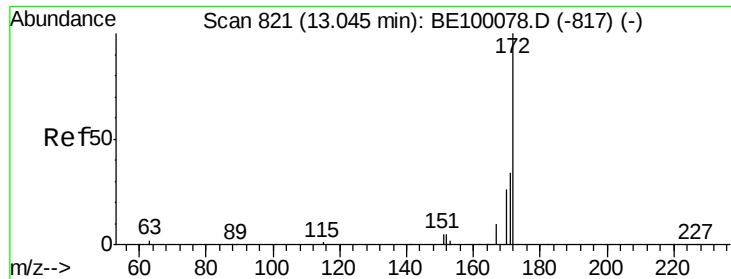
Abundance

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





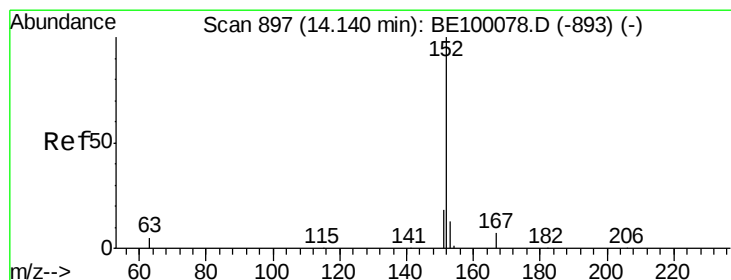
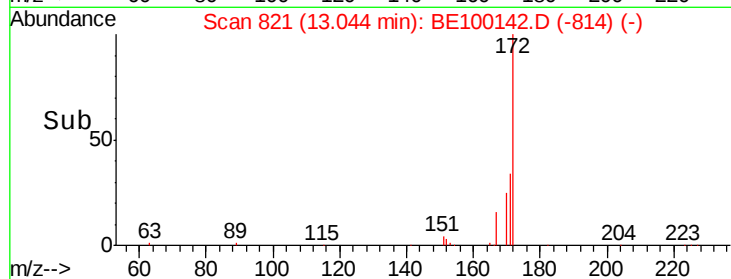
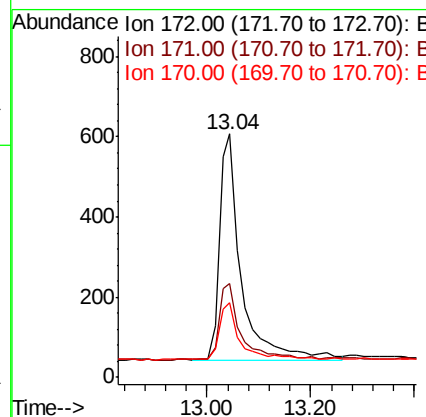
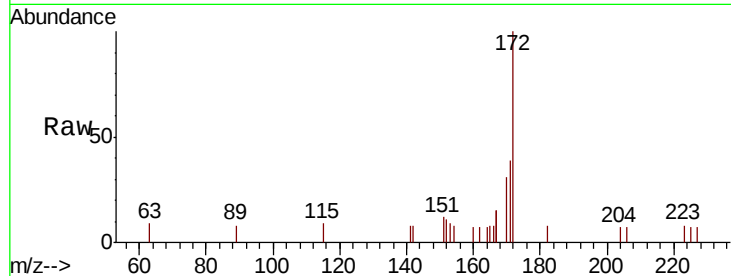
#15
2-Fluorobiphenyl
Concen: 0.243 ng
RT: 13.04 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.8	44.8
170	30.6	23.2	34.8

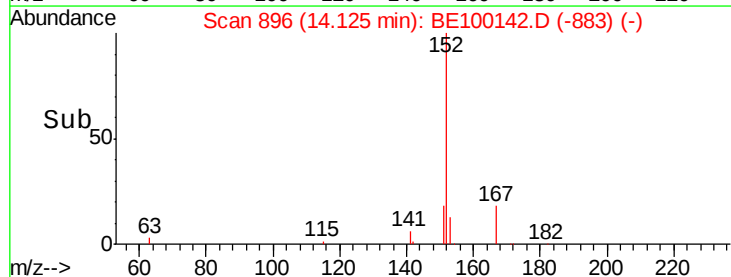
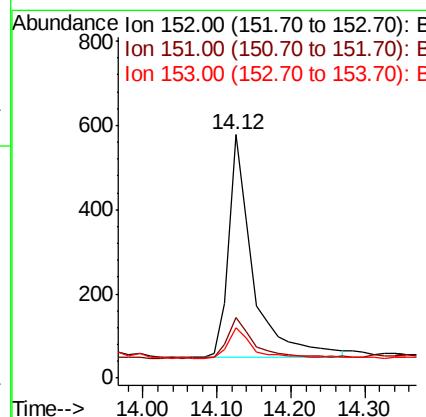
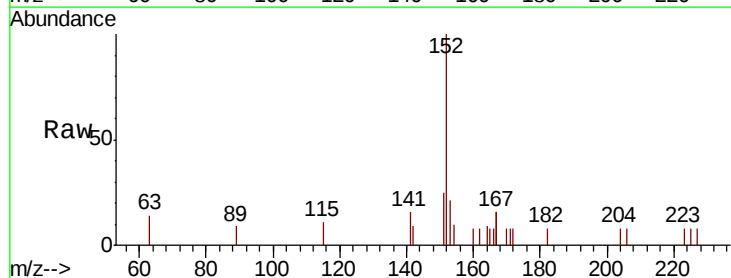
Manual Integrations
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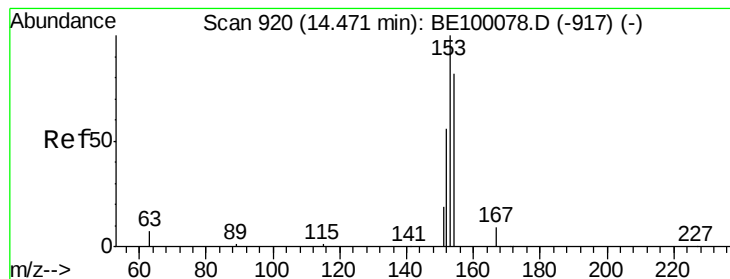
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#16
Acenaphthylene
Concen: 0.147 ng
RT: 14.12 min Scan# 896
Delta R.T. -0.02 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.8	10.1	15.1





#17

Acenaphthene

Concen: 0.024 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

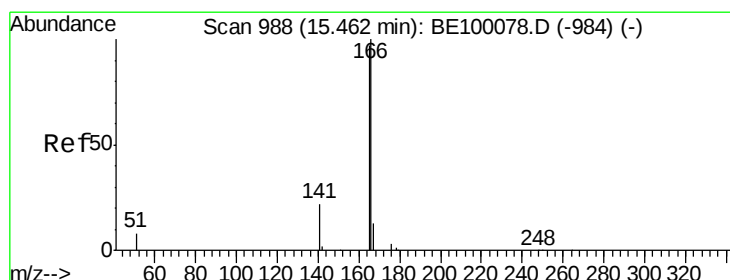
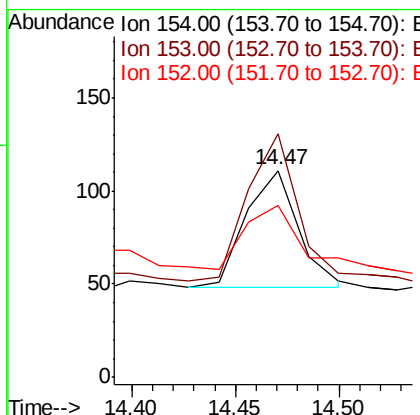
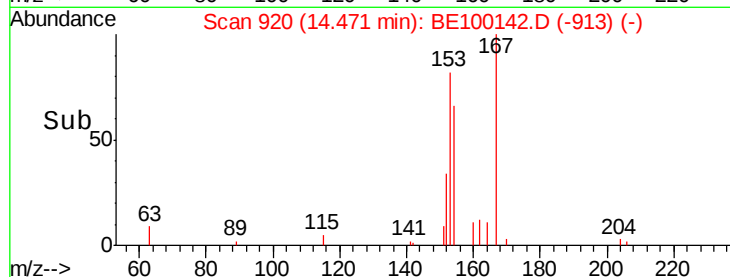
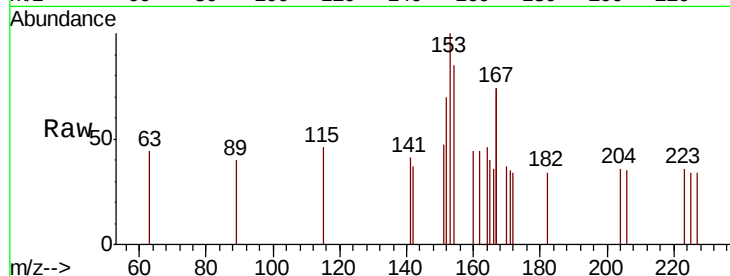
ClientSampleId :

PST-084-SW055-061319

Tot Ion:	154	Resp:	112
Ion Ratio	Lower	Upper	
154	100		
153	117.0	95.5	143.3
152	47.3	54.9	82.3#

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#18

Fluorene

Concen: 0.047 ng

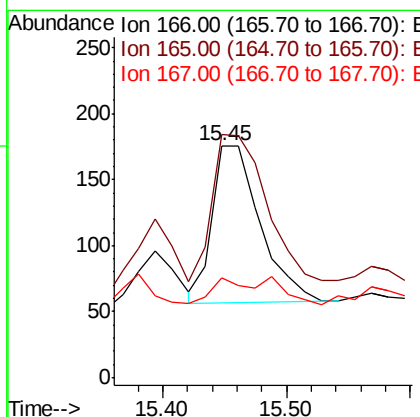
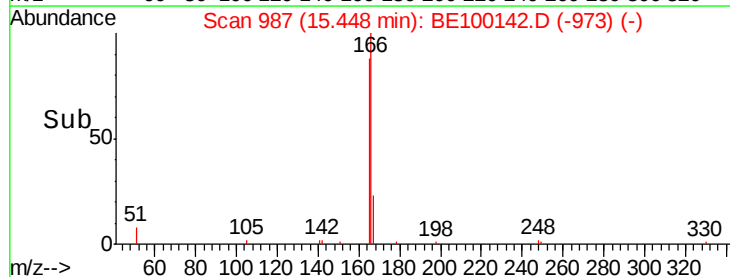
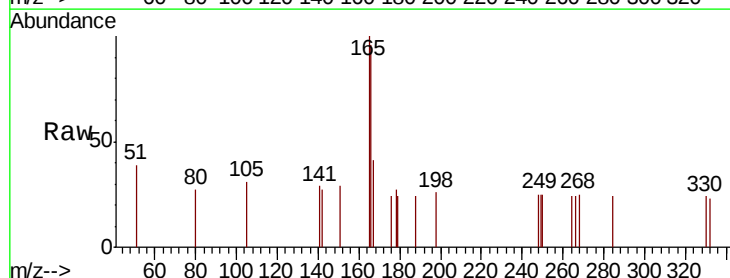
RT: 15.45 min Scan# 987

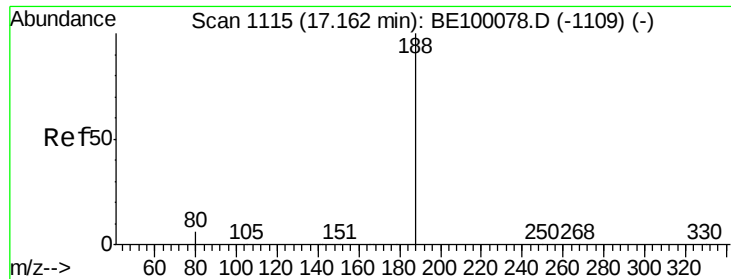
Delta R.T. -0.01 min

Lab File: BE100142.D

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Tgt Ion:	166	Resp:	321
Ion Ratio	Lower	Upper	
166	100		
165	111.2	79.8	119.8
167	0.0	10.2	15.4#





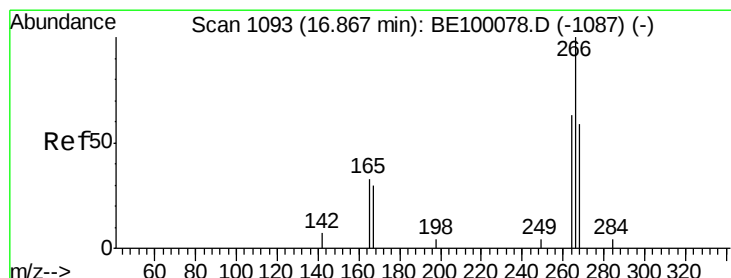
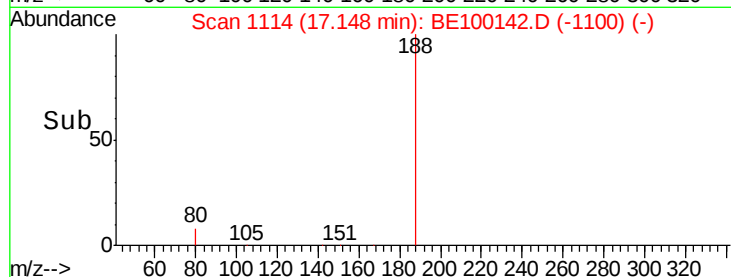
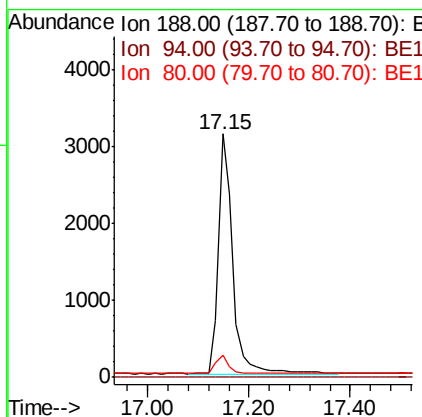
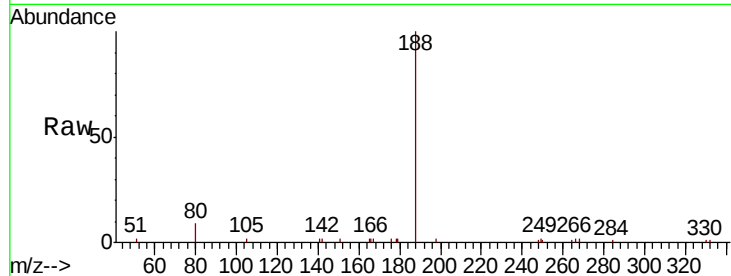
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion:188	Resp: 6088
Ion Ratio	Lower Upper
188 100	
94 0.0	0.0 0.0
80 9.3	6.3 9.5

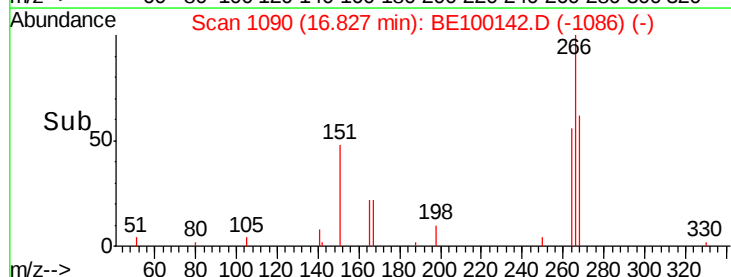
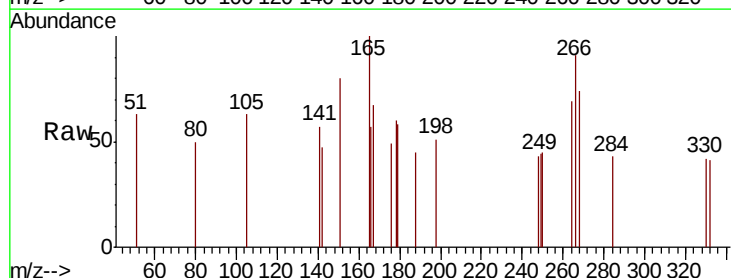
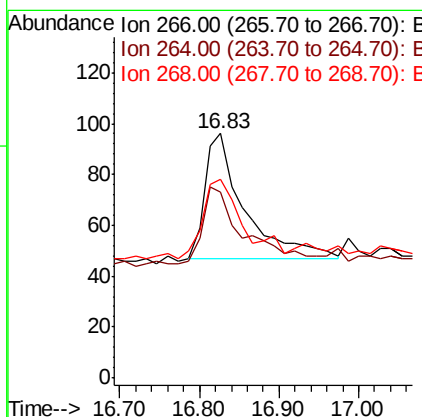
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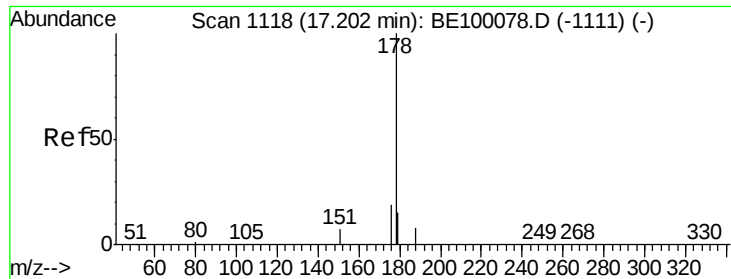
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#22
Pentachlorophenol
Concen: 0.372 ng
RT: 16.83 min Scan# 1090
Delta R.T. -0.04 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion:266	Resp: 169
Ion Ratio	Lower Upper
266 100	
264 76.0	67.8 101.6
268 81.3	70.0 105.0





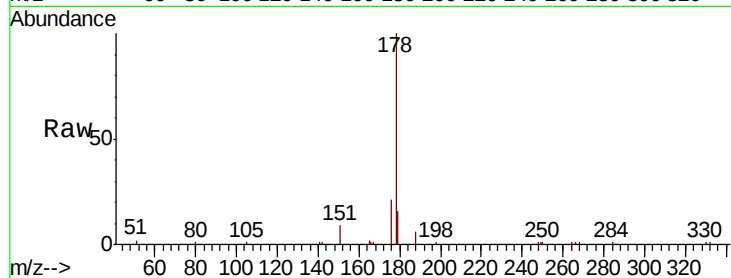
#23
Phenanthrene
Concen: 0.642 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

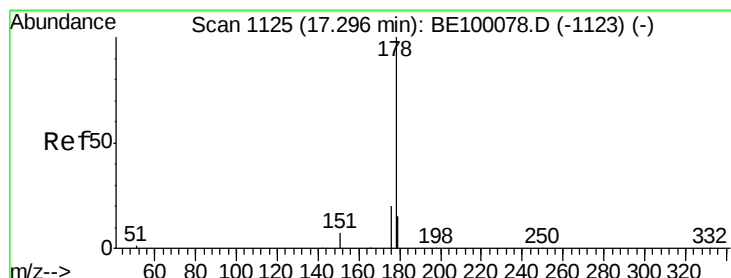
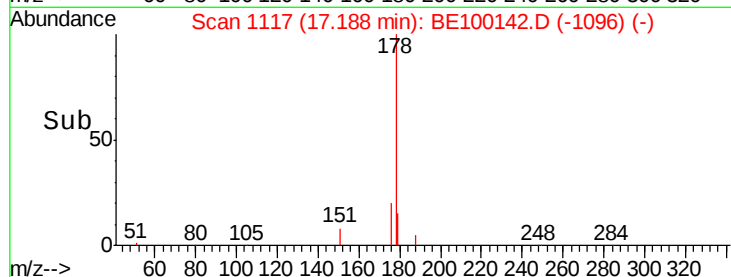
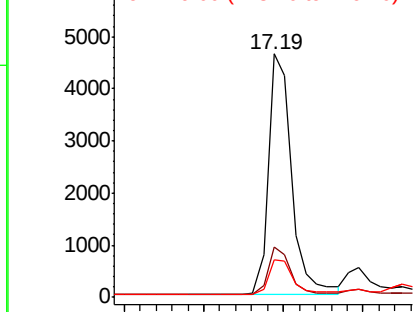
Tot Ion:178	Resp:	9361
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.9 23.9
179	15.0	13.1 19.7

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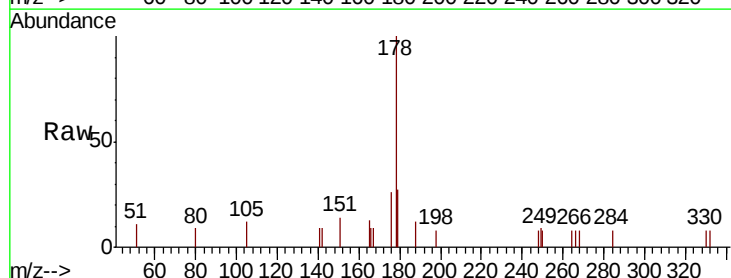


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

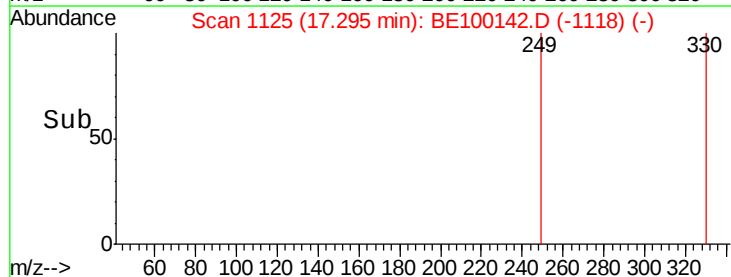
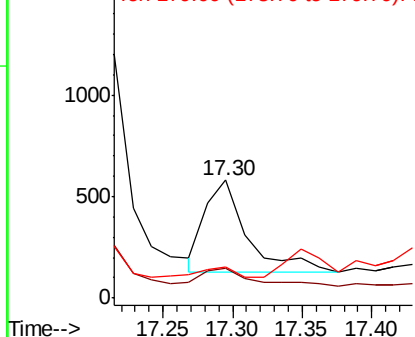


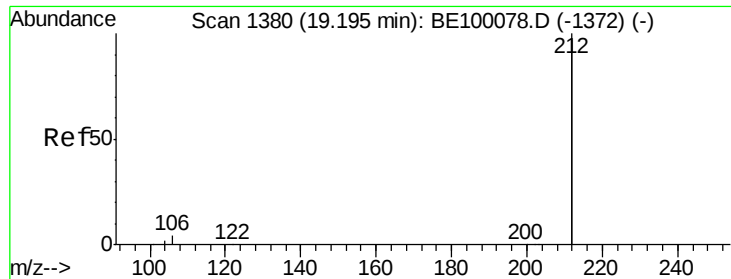
#24
Anthracene
Concen: 0.079 ng
RT: 17.30 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion:178	Resp:	970
Ion Ratio	Lower	Upper
178	100	
176	22.2	15.8 23.6
179	10.1	12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.018 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

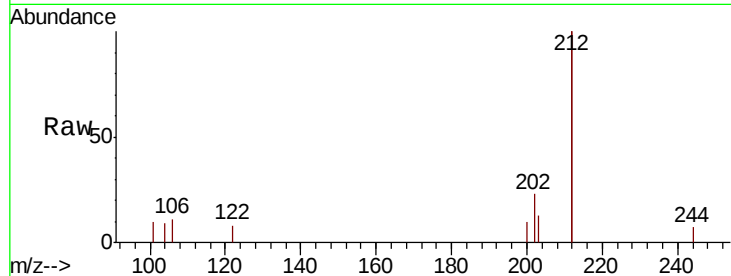
ClientSampleId :

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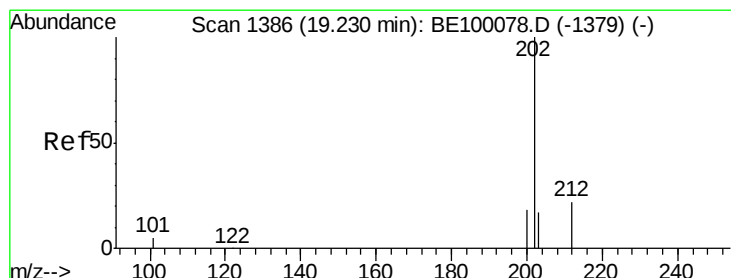
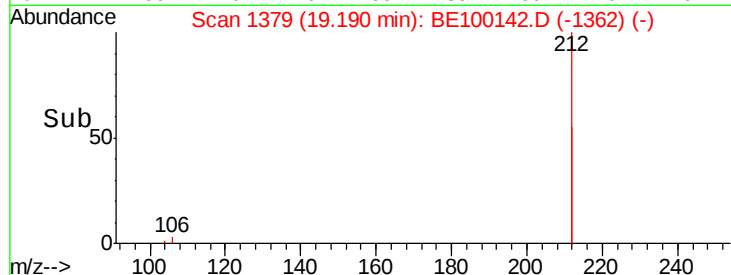
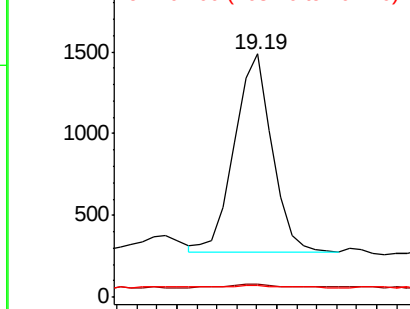
Tot Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.4	2.0#
104	1.8	0.8	1.2#

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.851 ng

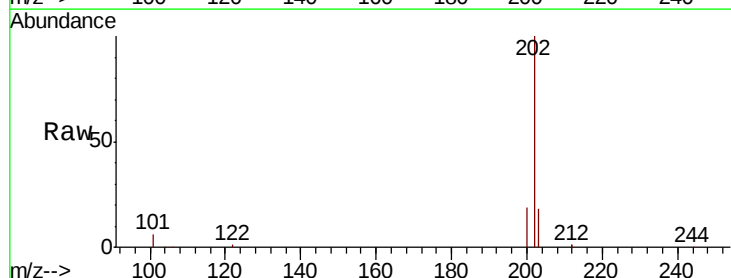
RT: 19.22 min Scan# 1384

Delta R.T. -0.01 min

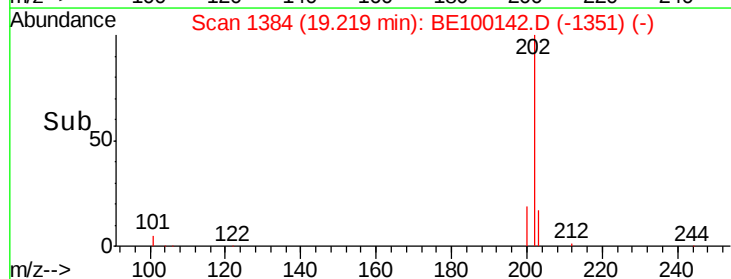
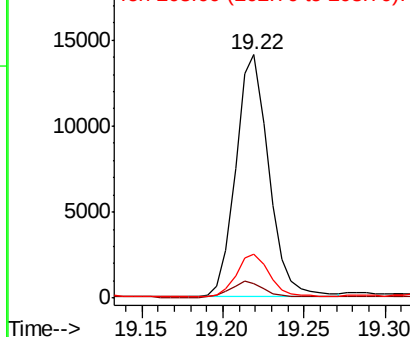
Lab File: BE100142.D

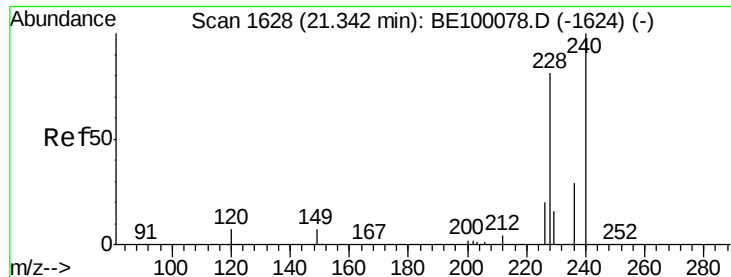
Acq: 21 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.0	7.4
203	17.6	13.7	20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

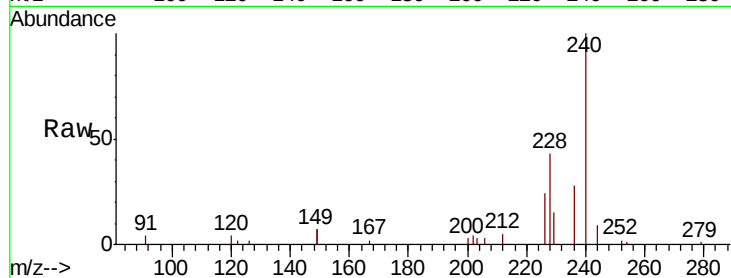
ClientSampleId :

PST-084-SW055-061319

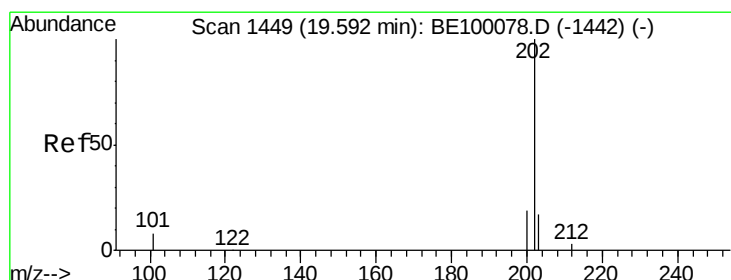
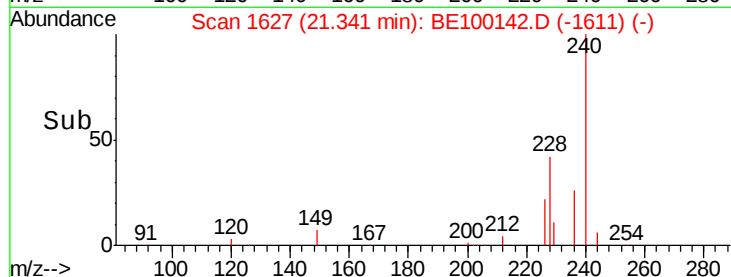
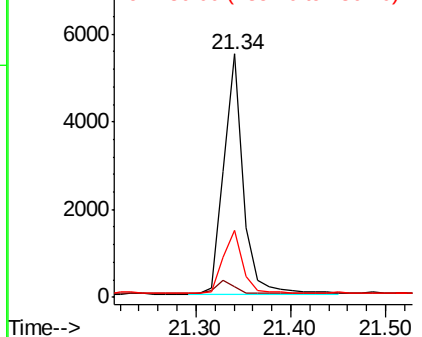
Tot Ion:	240	Resp:	7801
Ion Ratio	Lower	Upper	
240	100		
120	4.2	6.6	10.0#
236	27.5	23.8	35.6

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



#28

Pyrene

Concen: 1.249 ng

RT: 19.58 min Scan# 1447

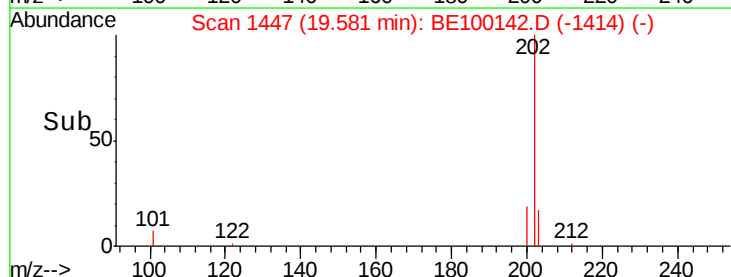
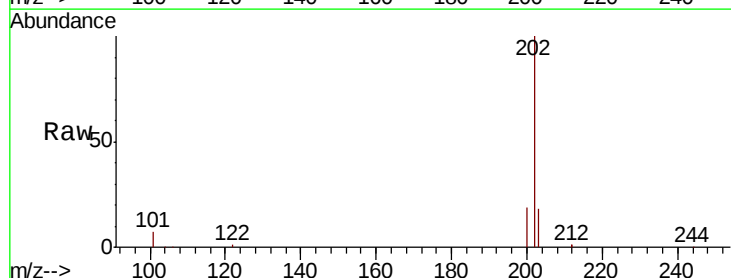
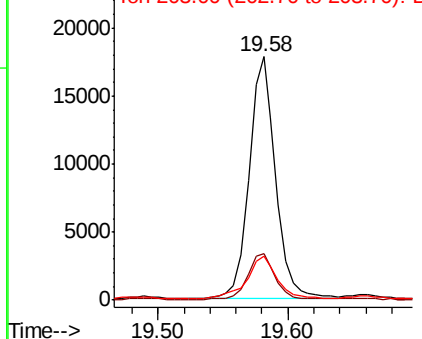
Delta R.T. -0.01 min

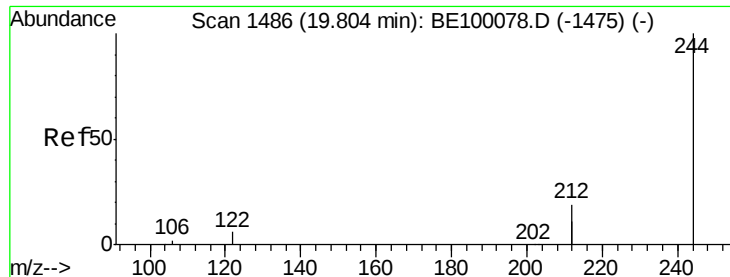
Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Tgt Ion:	202	Resp:	25039
Ion Ratio	Lower	Upper	
202	100		
200	19.5	15.6	23.4
203	20.2	13.9	20.9

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: 0.263 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

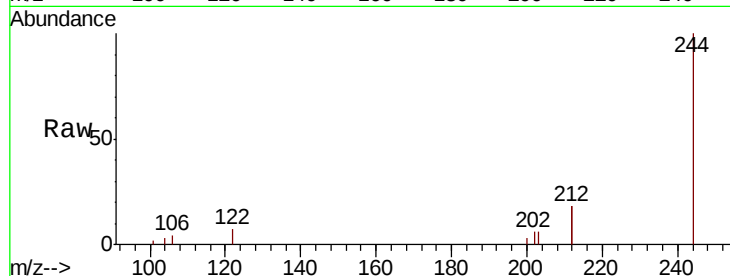
ClientSampleId :

PST-084-SW055-061319

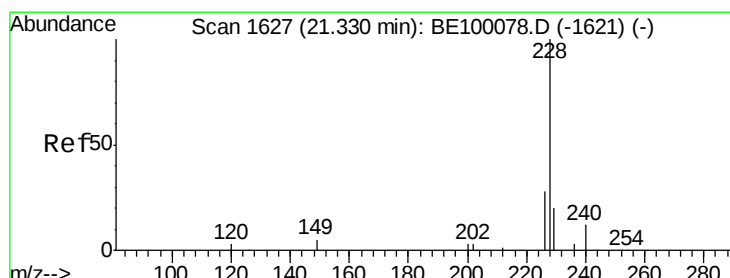
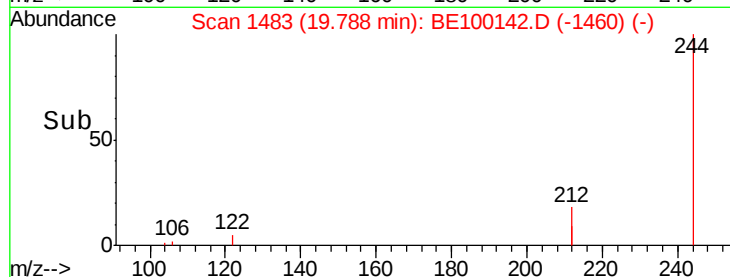
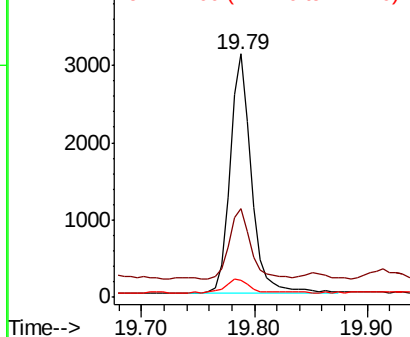
Tot Ion:	244	Resp:	4106
Ion Ratio	Lower	Upper	
244	100		
212	36.3	29.8	44.8
122	7.0	6.1	9.1

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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: 0.575 ng

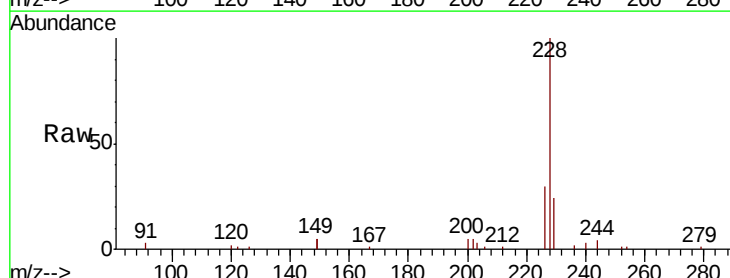
RT: 21.32 min Scan# 1625

Delta R.T. -0.01 min

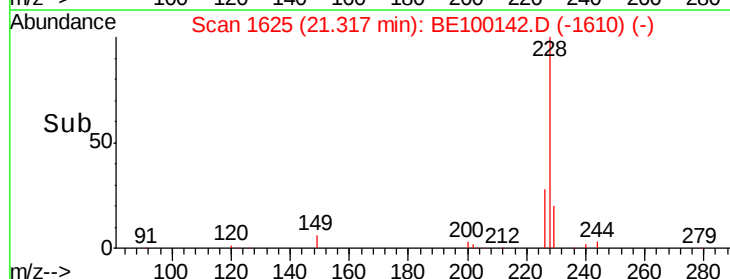
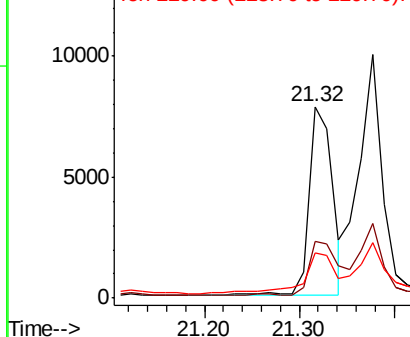
Lab File: BE100142.D

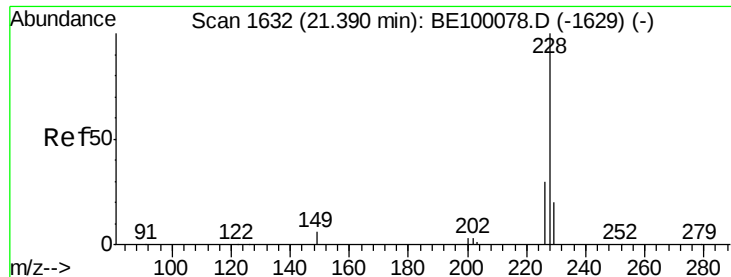
Acq: 21 Jun 2019 18:42

Tgt Ion:	228	Resp:	13351
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.0	34.4
229	23.6	16.4	24.6



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





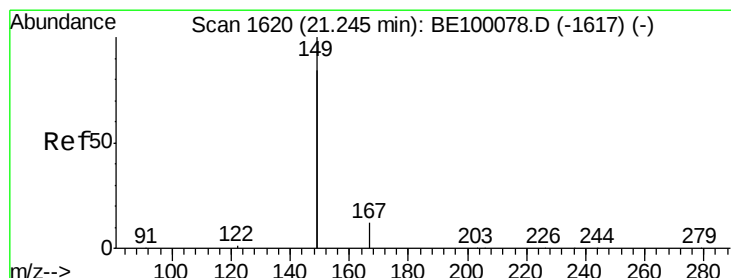
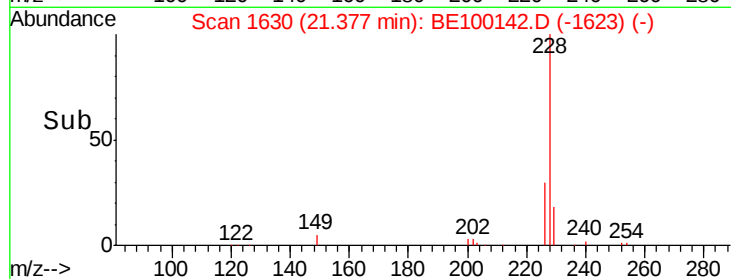
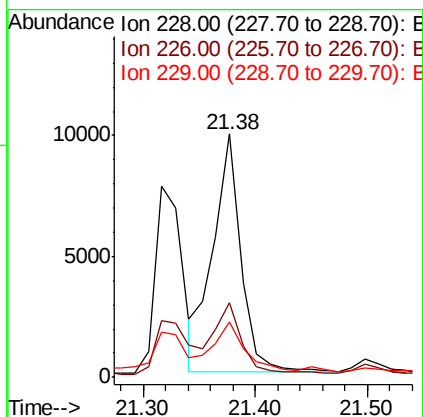
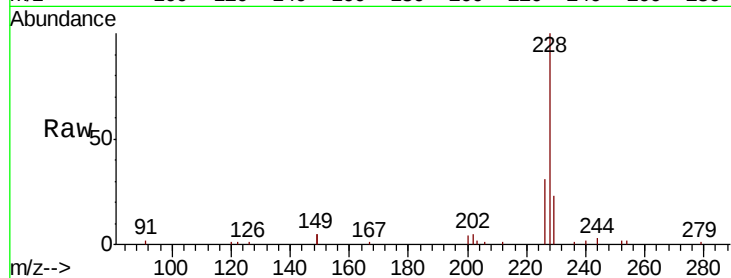
#31
 Chrysene
 Concen: 0.628 ng
 RT: 21.38 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BE100142.D
 Acq: 21 Jun 2019 18:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.8
229	22.6	16.3	24.5

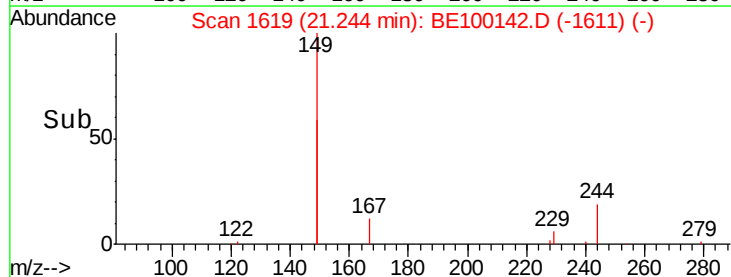
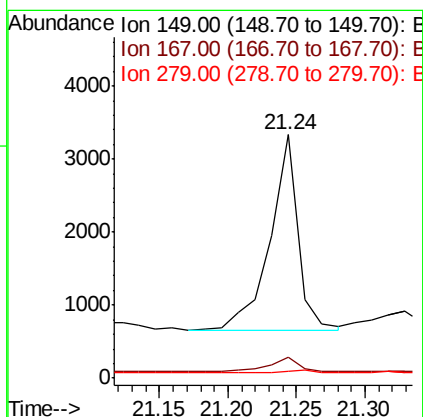
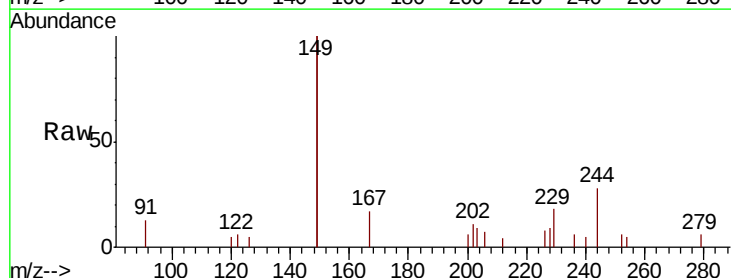
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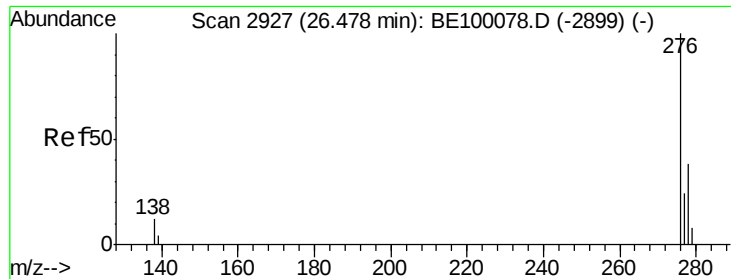
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.175 ng
 RT: 21.24 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BE100142.D
 Acq: 21 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.7	1.1	1.7#





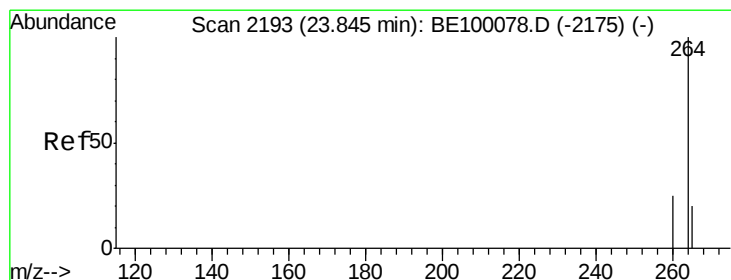
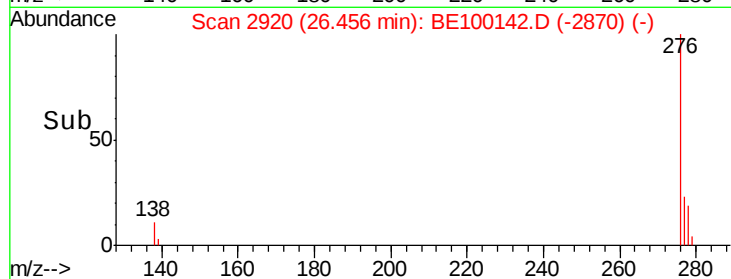
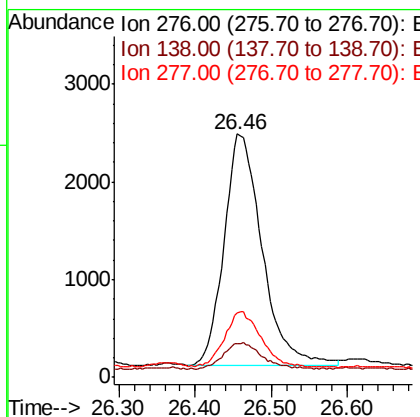
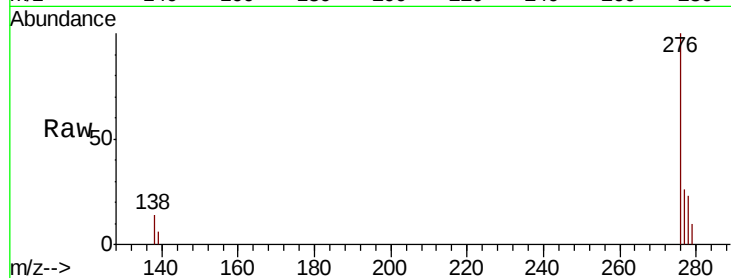
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.272 ng
RT: 26.46 min Scan# 2920
Delta R.T. -0.02 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.3	4.3	6.5#
277	22.7	19.4	29.0

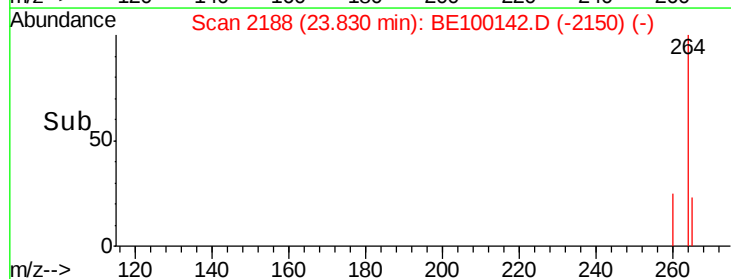
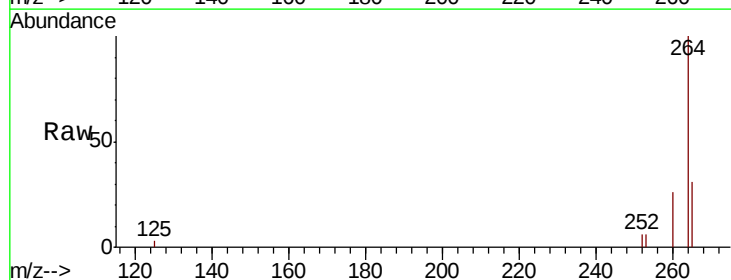
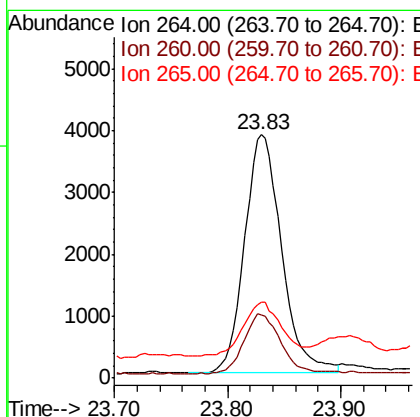
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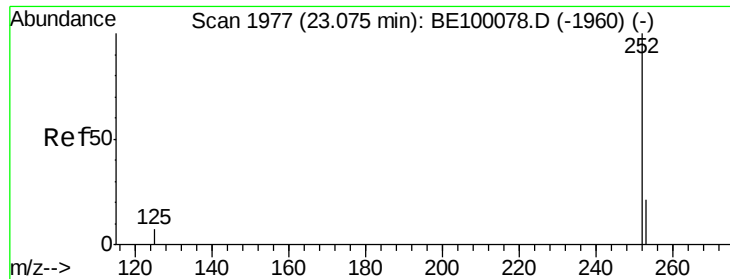
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BE100142.D
Acq: 21 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.8	31.2
265	31.0	23.2	34.8





#35

Benzo(b)fluoranthene

Concen: 0.650 ng

RT: 23.07 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

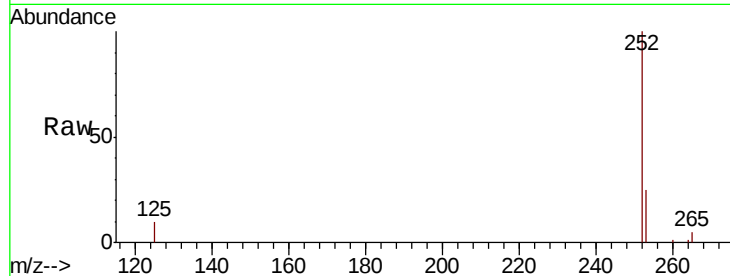
ClientSampleId :

PST-084-SW055-061319

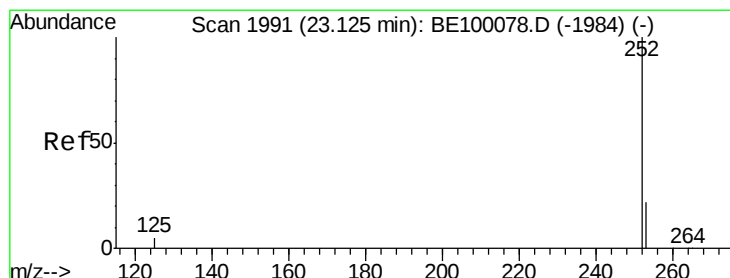
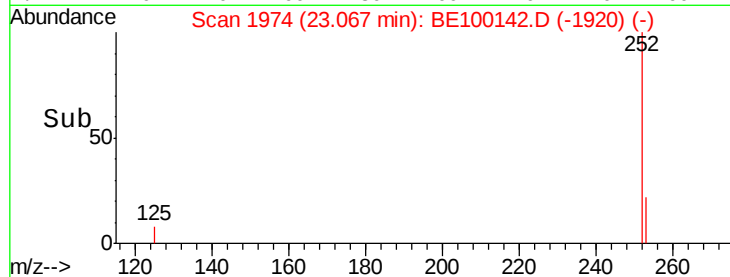
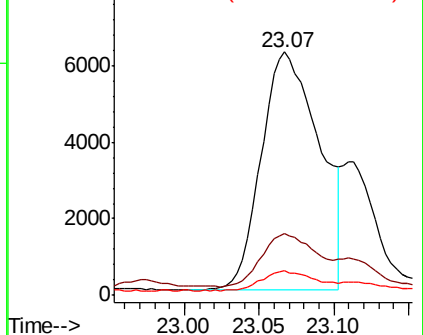
Tot Ion:	252	Resp:	16801
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.4	27.6
125	10.2	6.4	9.6#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.186 ng m

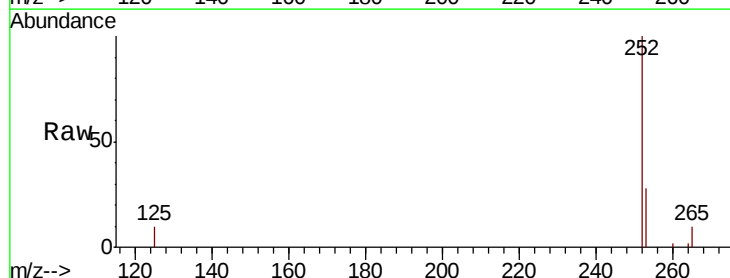
RT: 23.11 min Scan# 1986

Delta R.T. -0.01 min

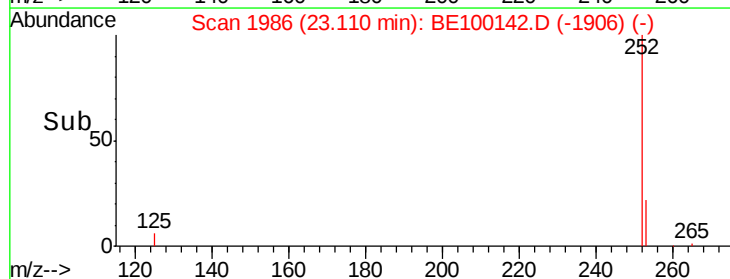
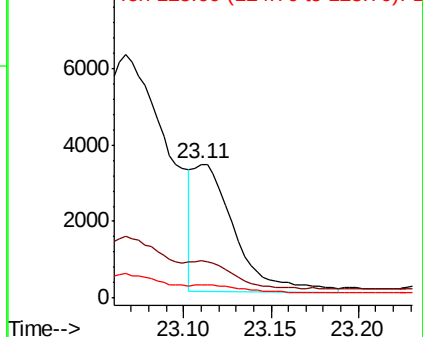
Lab File: BE100142.D

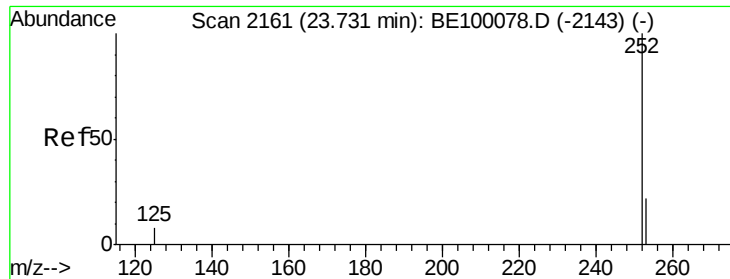
Acq: 21 Jun 2019 18:42

Tgt Ion:	252	Resp:	5479
Ion Ratio	Lower	Upper	
252	100		
253	27.6	18.9	28.3
125	9.8	5.3	7.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.479 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

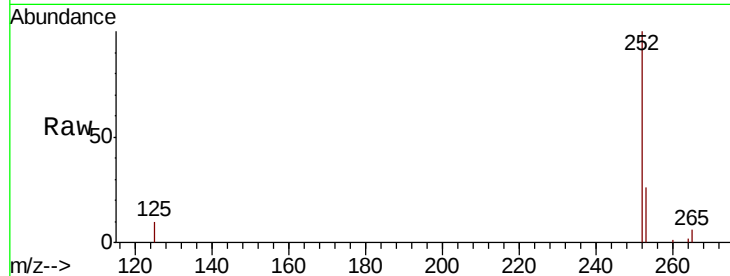
ClientSampleId :

PST-084-SW055-061319

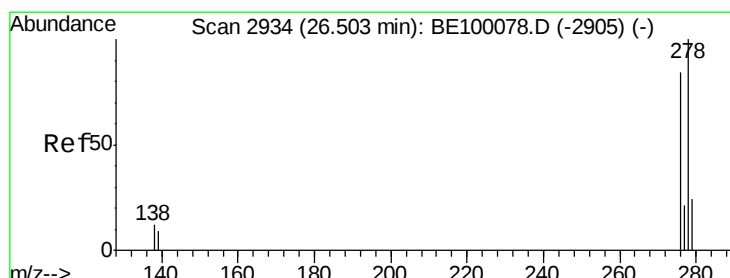
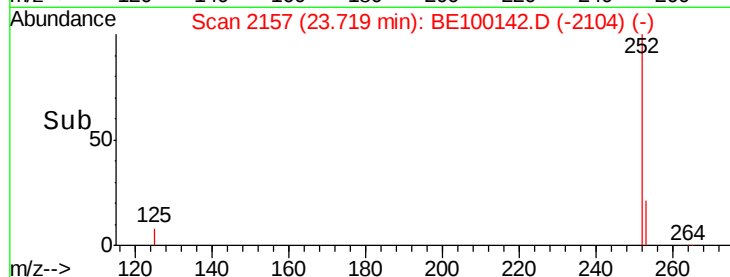
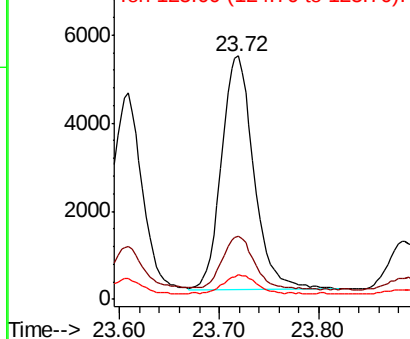
Tot Ion:	252	Resp:	11939
Ion Ratio	Lower	Upper	
252	100		
253	25.7	19.4	29.2
125	10.1	8.0	12.0

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.090 ng

RT: 26.49 min Scan# 2929

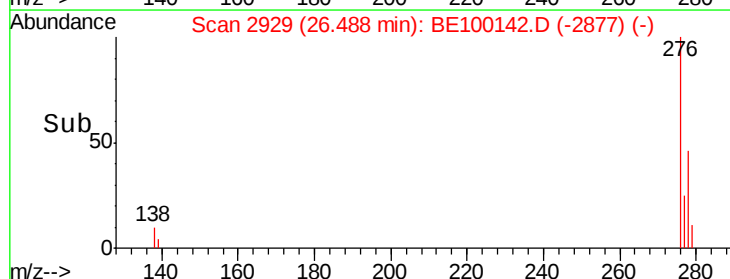
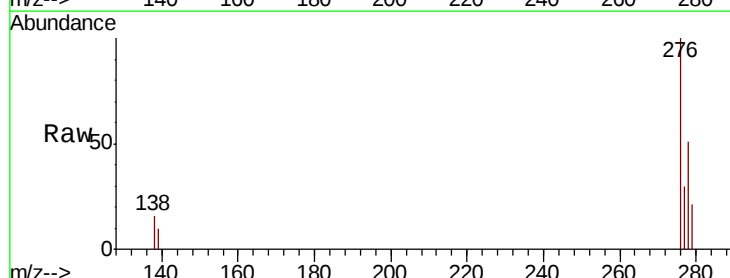
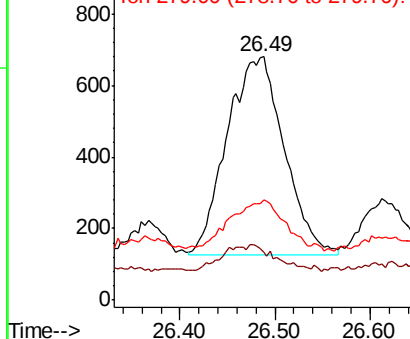
Delta R.T. -0.01 min

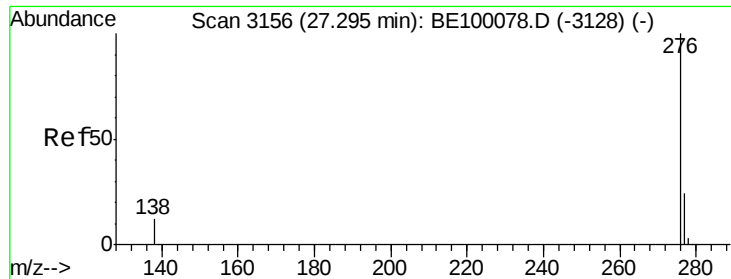
Lab File: BE100142.D

Acq: 21 Jun 2019 18:42

Tgt Ion:	278	Resp:	2311
Ion Ratio	Lower	Upper	
278	100		
139	19.7	9.0	13.6#
279	41.2	21.4	32.0#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.349 ng

RT: 27.27 min Scan# 3149

Delta R.T. -0.02 min

Lab File: BE100142.D

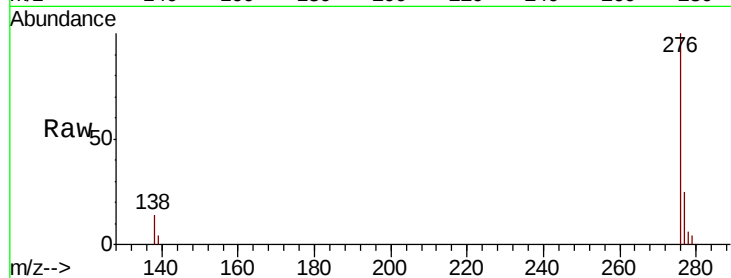
Acq: 21 Jun 2019 18:42

Instrument :

BNA_E

ClientSampleId :

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Tot Ion:	276	Resp:	9271
Ion Ratio	Lower	Upper	
276	100		
277	25.4	20.3	30.5
138	13.6	11.3	16.9

Manual Integrations
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