

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100399.D
 Acq On : 6 Jul 2019 2:29
 Operator : JU/SJ
 Sample : K3561-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519

Manual Integrations
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mohammad
 7/8/2019 2:14:28 PM

Quant Time: Jul 06 04:01:52 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	624	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2165	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1670	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5071	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6952	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8264	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	641	0.40	ng	-0.01
5) Phenol-d6	6.83	99	840	0.40	ng	-0.01
8) Nitrobenzene-d5	8.81	82	678	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.02	152	1414	0.35	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	490	0.42	ng	-0.03
15) 2-Fluorobiphenyl	12.91	172	2335	0.36	ng	-0.03
25) Fluoranthene-d10	19.08	212	20519	0.28	ng	-0.02
29) Terphenyl-d14	19.68	244	4291	0.30	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	3252	0.136	ng	# 94
12) 2-Methylnaphthalene	12.11	142	599	0.143	ng	94
16) Acenaphthylene	14.02	152	3746	0.467	ng	98
17) Acenaphthene	14.37	154	487	0.107	ng	# 86
18) Fluorene	15.34	166	1729	0.257	ng	# 93
23) Phenanthrene	17.08	178	49679	4.042	ng	100
24) Anthracene	17.17	178	2846	0.257	ng	98
26) Fluoranthene	19.11	202	94810	4.843	ng	98
28) Pyrene	19.47	202	116073	6.306	ng	96
30) Benzo(a)anthracene	21.21	228	61615	2.696	ng	97
31) Chrysene	21.27	228	72341	3.152	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	158684	4.854	ng	100
33) Indeno(1,2,3-cd)pyrene	26.20	276	37252	1.227	ng	# 95
35) Benzo(b)fluoranthene	22.91	252	74569	3.328	ng	# 95
36) Benzo(k)fluoranthene	22.95	252	25178m	1.007	ng	
37) Benzo(a)pyrene	23.54	252	54702m	2.436	ng	
38) Dibenzo(a,h)anthracene	26.21	278	9223	0.393	ng	# 87
39) Benzo(a,h,i)perylene	26.99	276	40570	1.684	ng	99

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

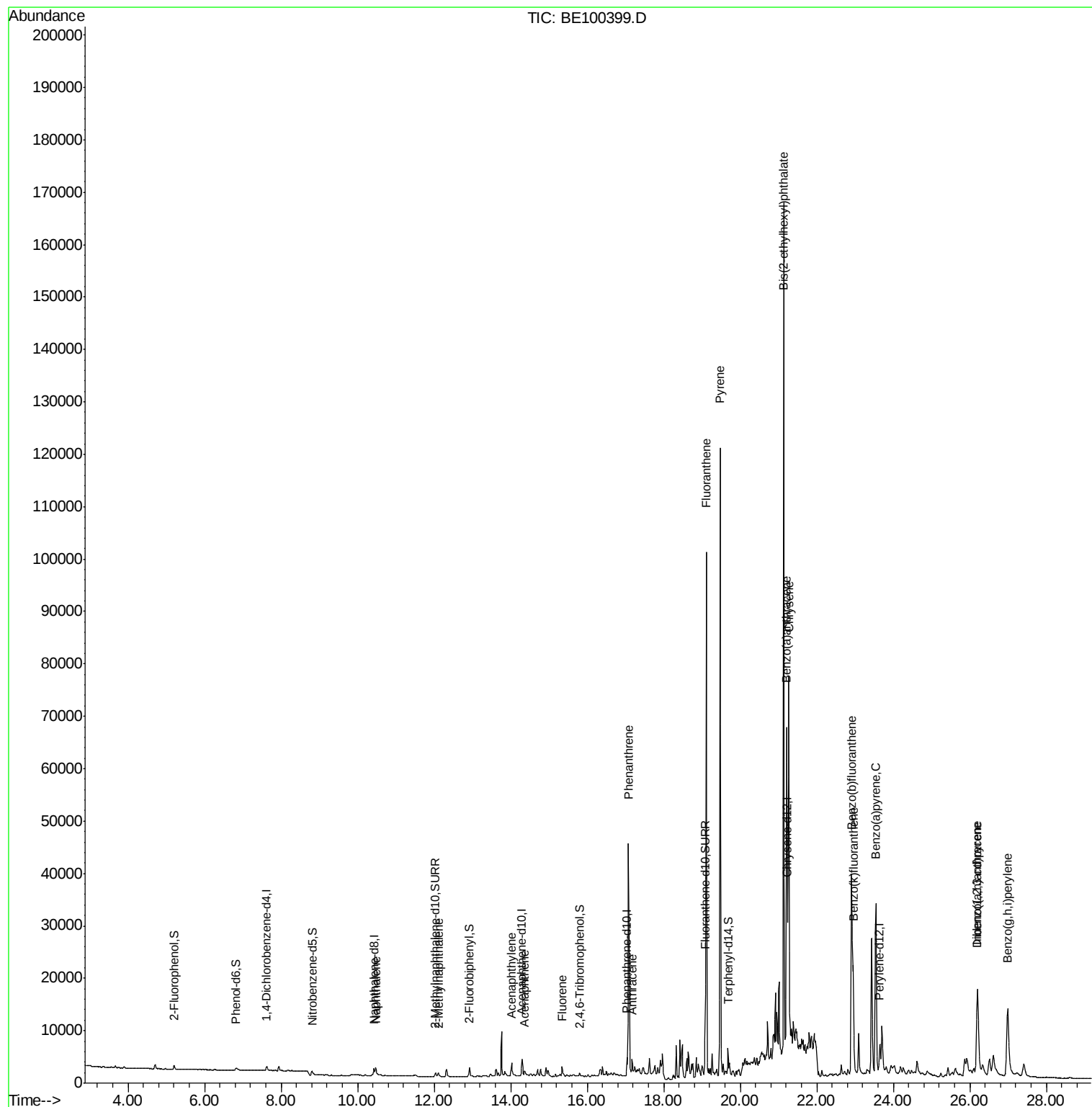
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100399.D
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QLast Update : Fri Jun 28 14:06:53 2019
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#1

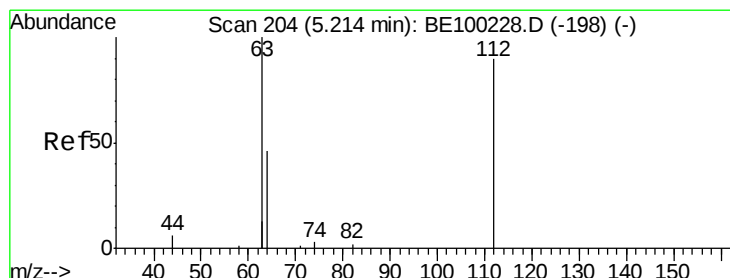
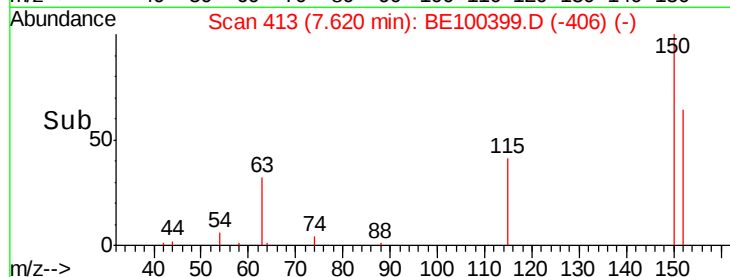
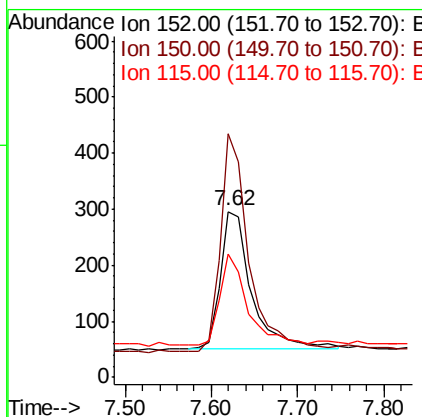
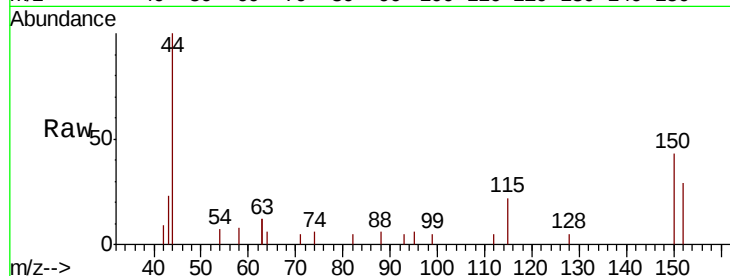
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.6	114.5	171.7
115	74.0	57.1	85.7

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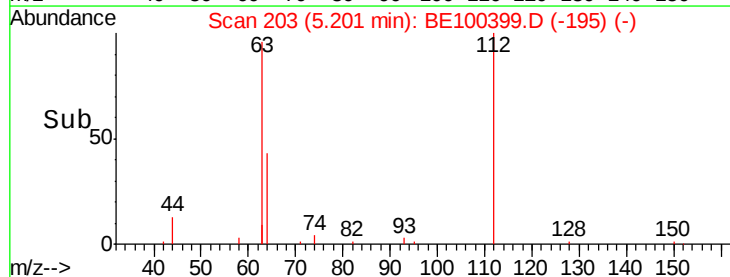
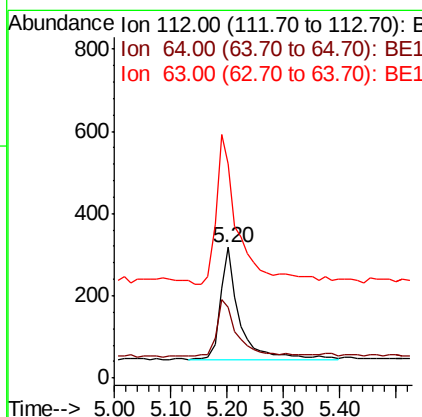
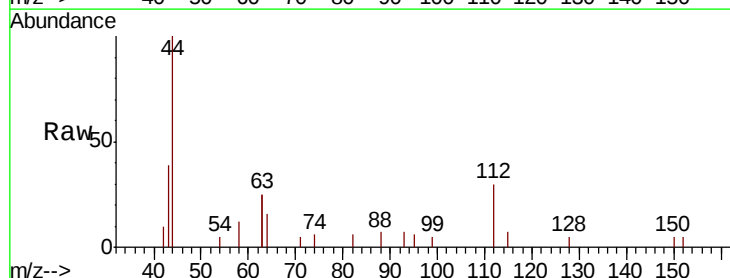
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#4

2-Fluorophenol
Concen: 0.403 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	39.4	59.0
63	139.0	104.5	156.7





#5

Phenol-d6

Concen: 0.401 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Instrument :

BNA_E

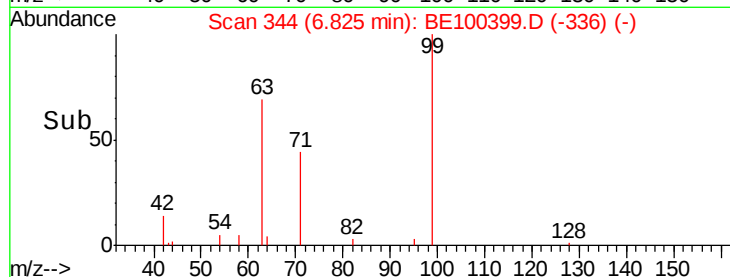
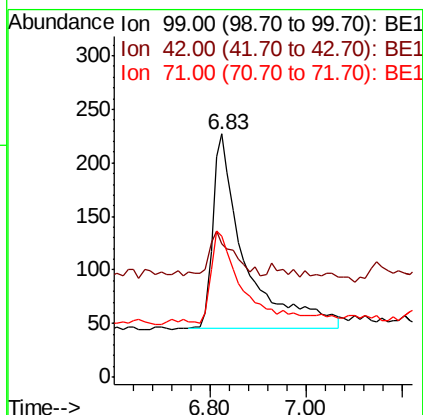
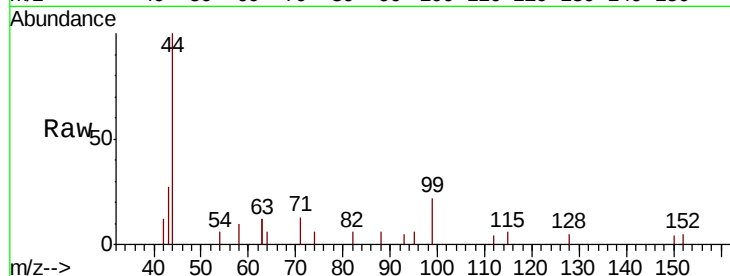
ClientSampleId :

PST-016-SW117-062519

Tot Ion:	99	Resp:	840
Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.2	16.8
71	46.7	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

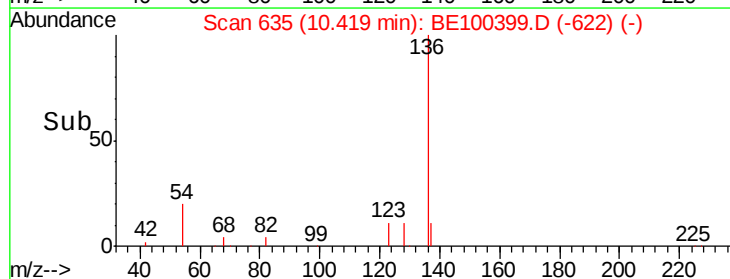
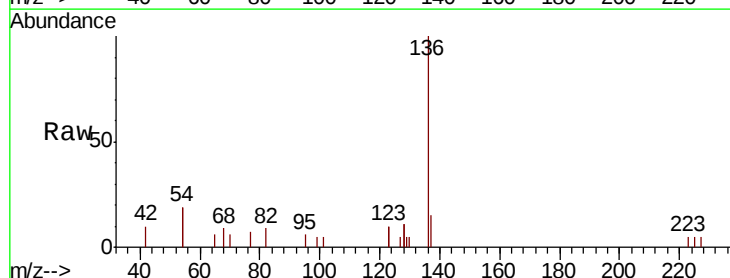
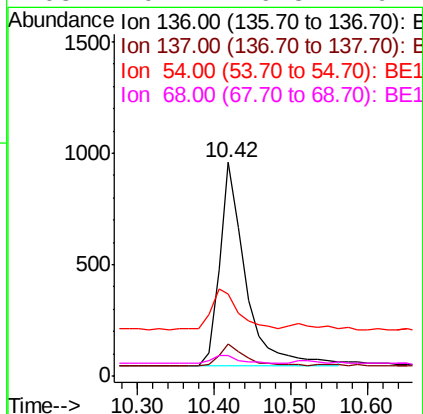
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Tgt Ion:	136	Resp:	2165
Ion	Ratio	Lower	Upper
136	100		
137	15.2	11.8	17.8
54	38.6	27.7	41.5
68	9.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Instrument :

BNA_E

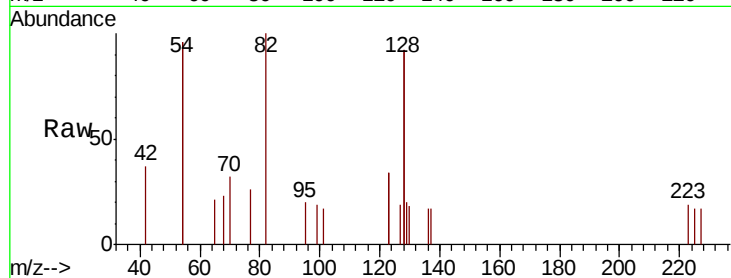
ClientSampleId :

PST-016-SW117-062519

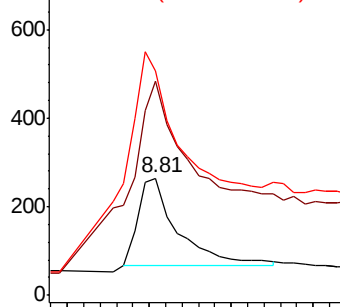
Tot Ion:	82	Resp:	678
Ion	Ratio	Lower	Upper
82	100		
128	183.3	140.9	211.3
54	191.7	146.2	219.2

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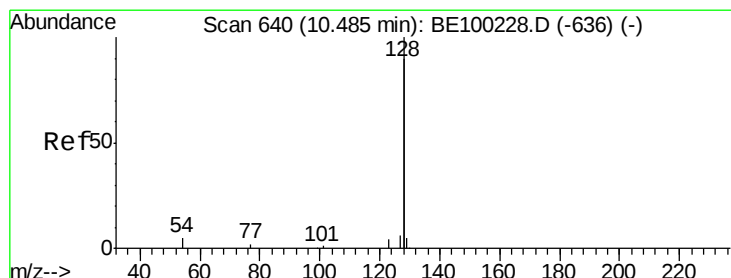
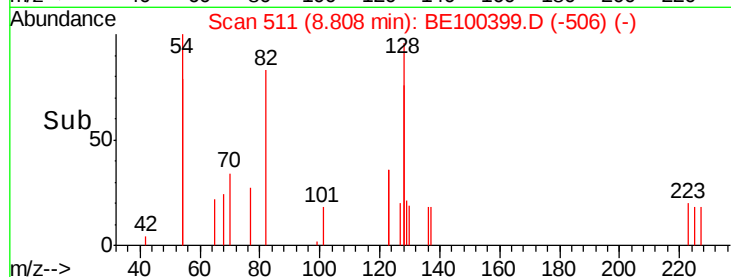
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.136 ng

RT: 10.47 min Scan# 639

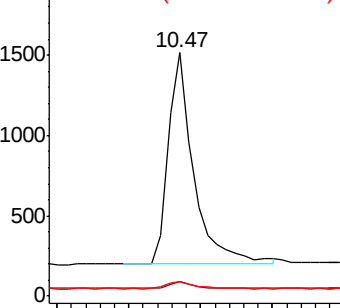
Delta R.T. -0.01 min

Lab File: BE100399.D

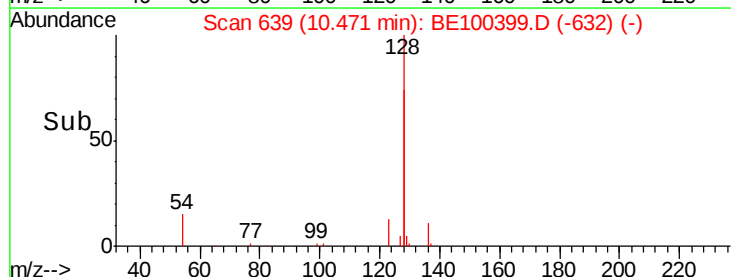
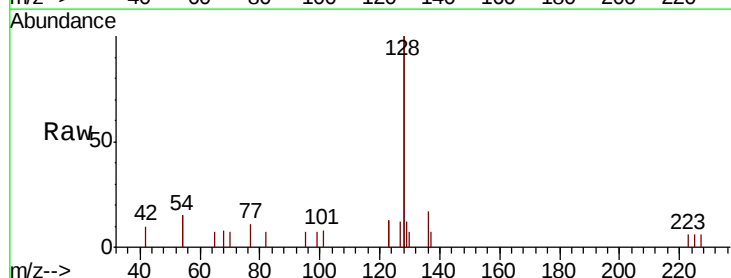
Acq: 6 Jul 2019 2:29

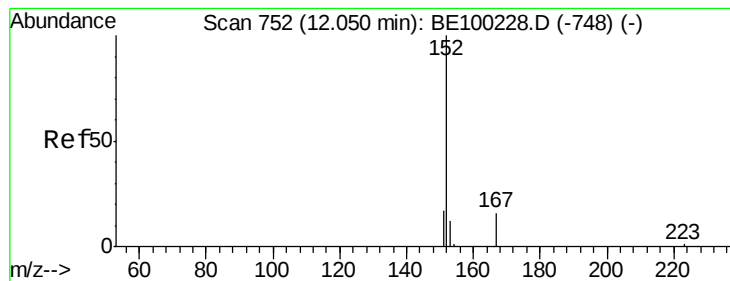
Tgt Ion:	128	Resp:	3252
Ion	Ratio	Lower	Upper
128	100		
129	6.0	3.0	4.6#
127	5.9	3.5	5.3#

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



Time-->





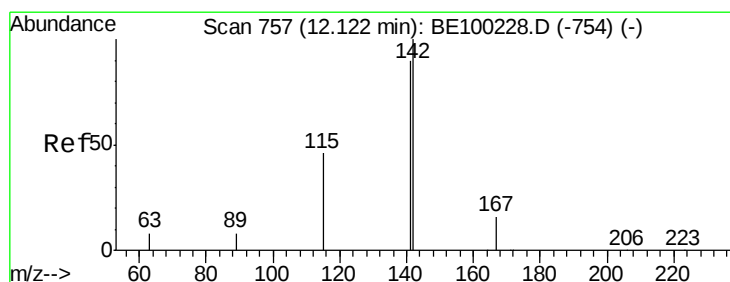
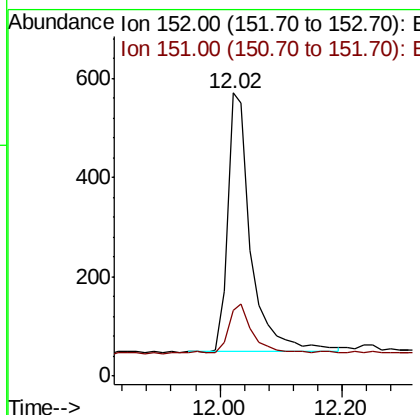
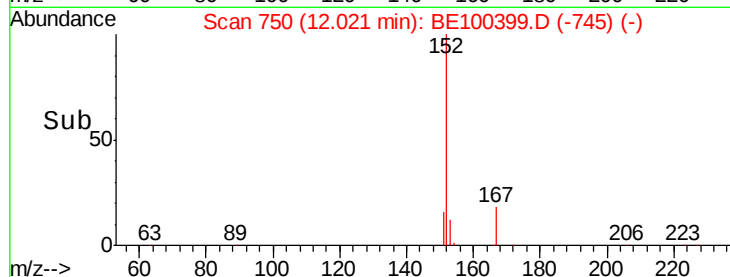
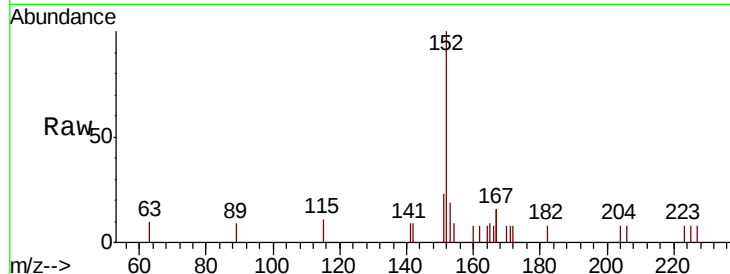
#11
 2-Methylnaphthalene-d10
 Concen: 0.347 ng
 RT: 12.02 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519

Tot Ion:152 Resp: 1414
 Ion Ratio Lower Upper
 152 100
 151 18.7 15.1 22.7

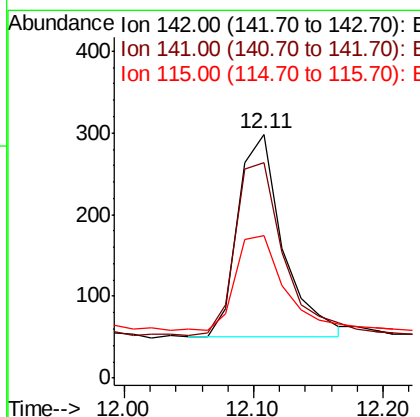
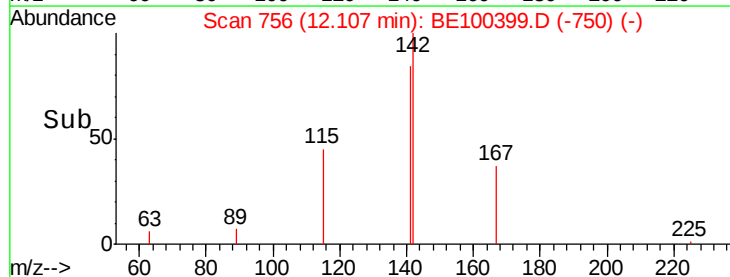
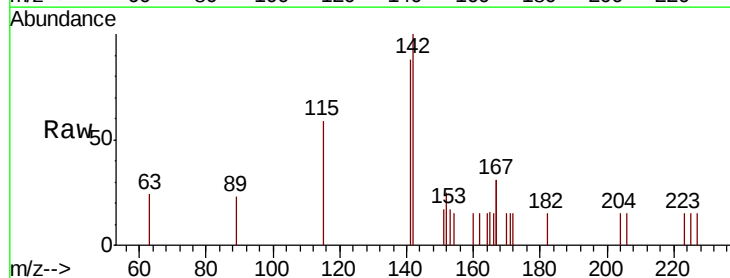
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#12
 2-Methylnaphthalene
 Concen: 0.143 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Tgt Ion:142 Resp: 599
 Ion Ratio Lower Upper
 142 100
 141 88.3 72.4 108.6
 115 58.7 40.4 60.6





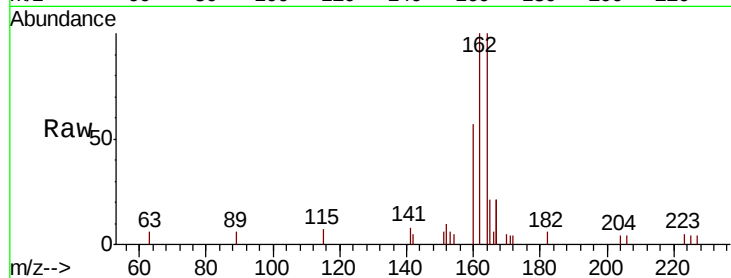
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.30 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	83.4	125.0
160	56.5	45.0	67.6

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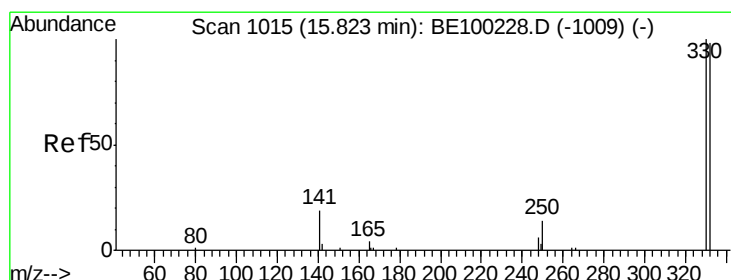
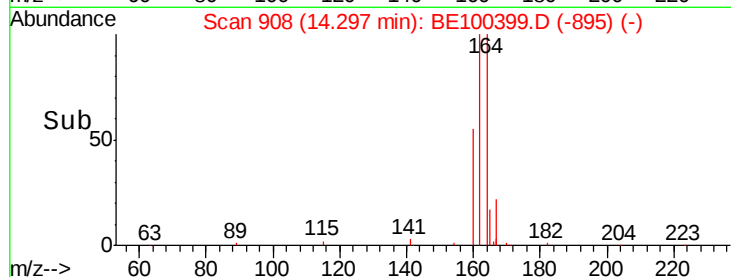
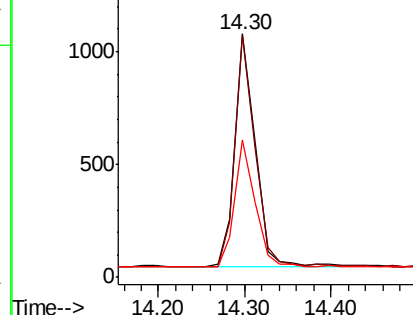


Abundance

Ion 164.00 (163.70 to 164.70): E

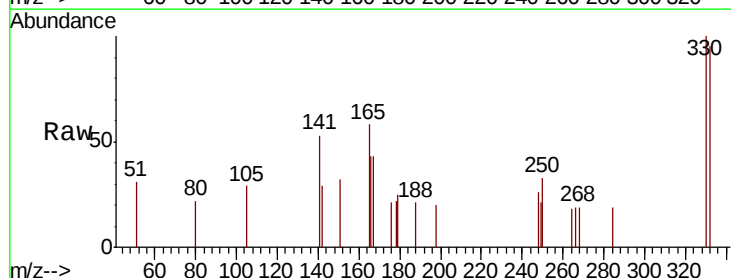
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.419 ng
 RT: 15.80 min Scan# 1013
 Delta R.T. -0.03 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.4
141	51.6	22.0	33.0#

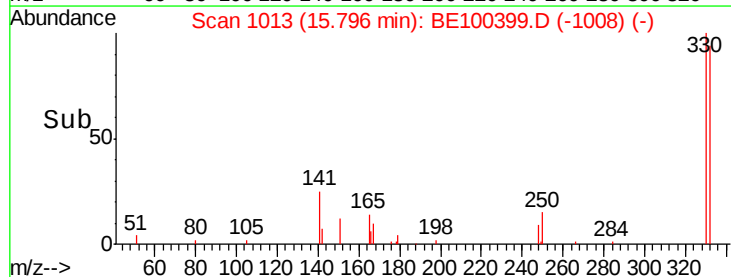
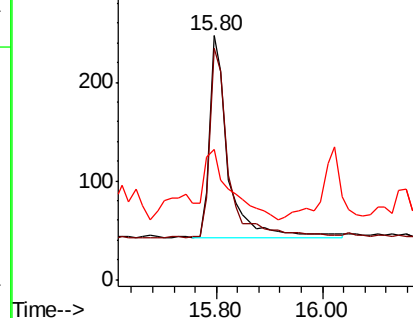


Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





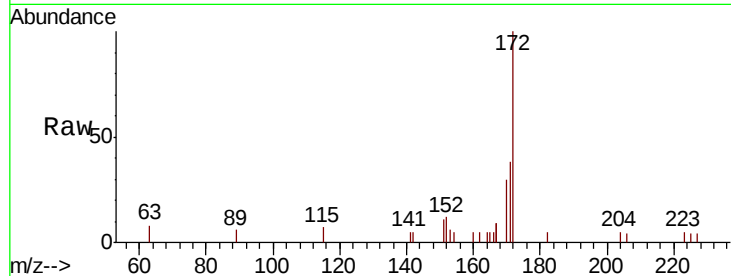
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.91 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.9	47.9
170	30.3	22.2	33.2

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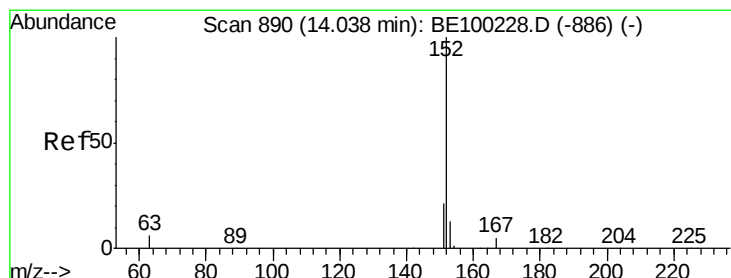
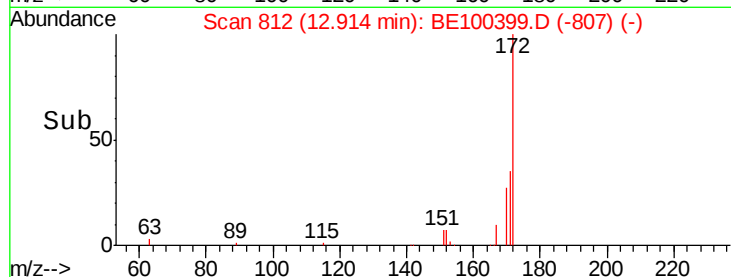
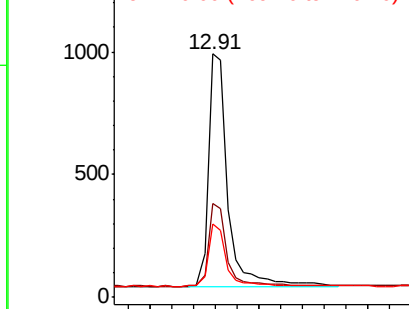


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.467 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

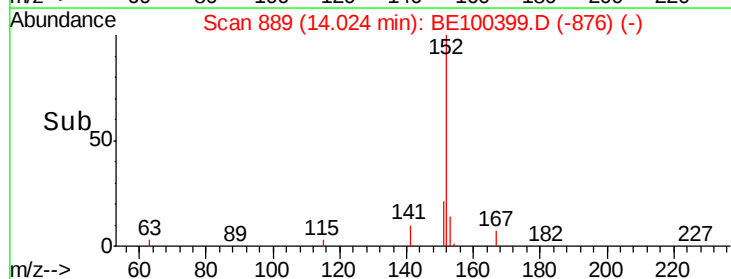
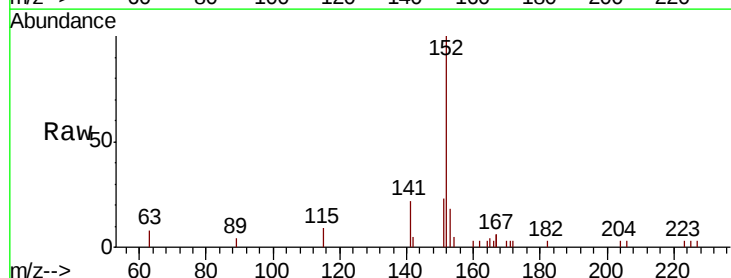
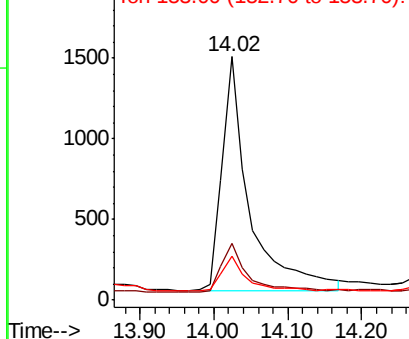
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	25.0
153	13.9	10.5	15.7

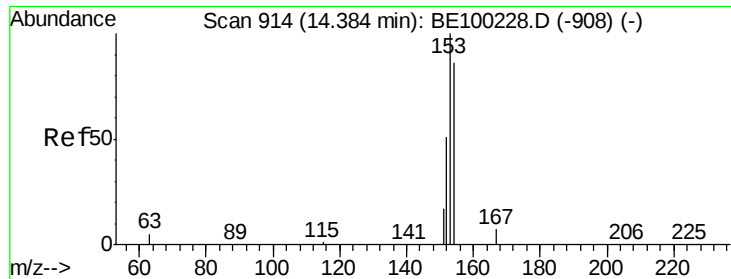
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





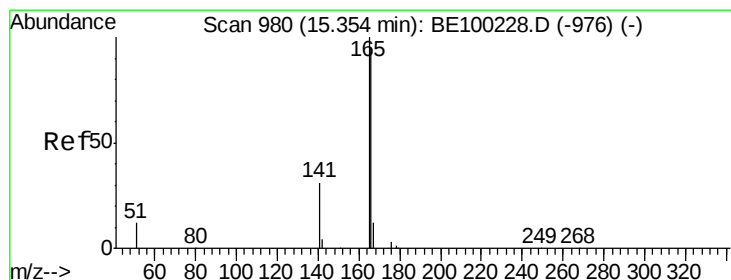
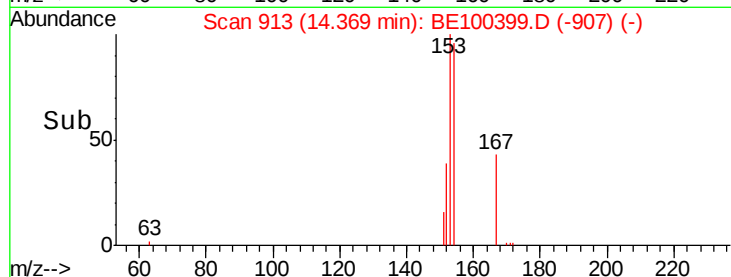
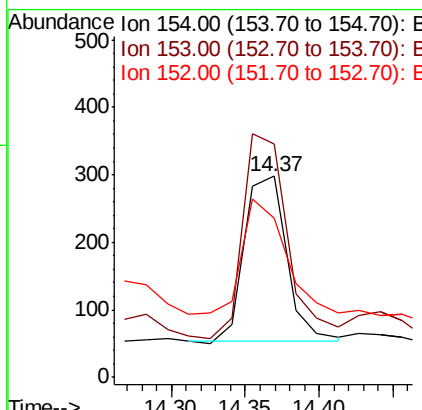
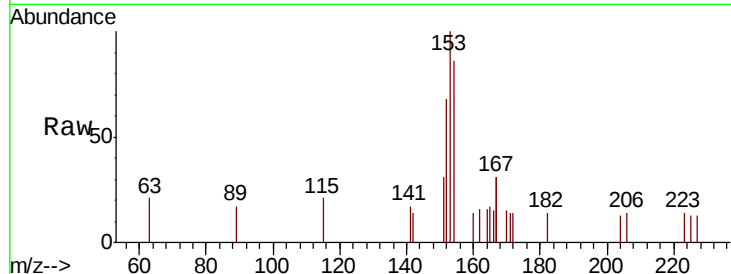
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Acenaphthene
Concen: 0.107 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	129.6	93.4	140.2
152	75.4	49.4	74.2#

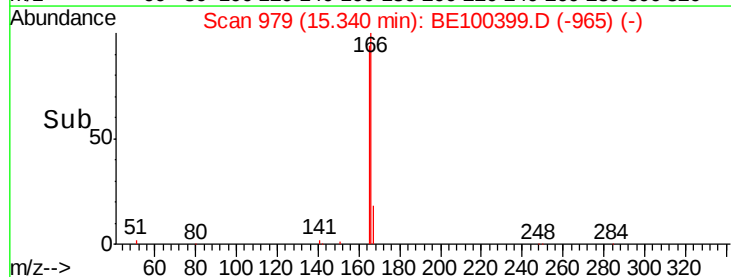
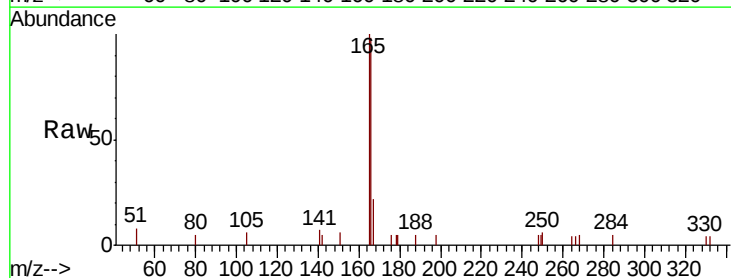
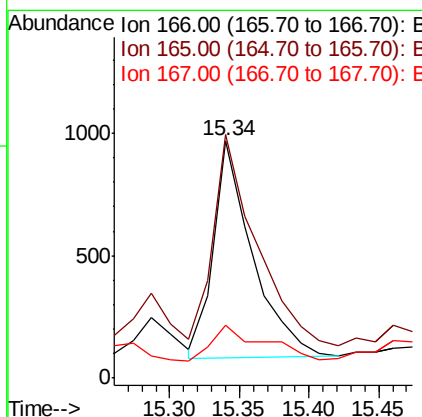
Manual Integrations
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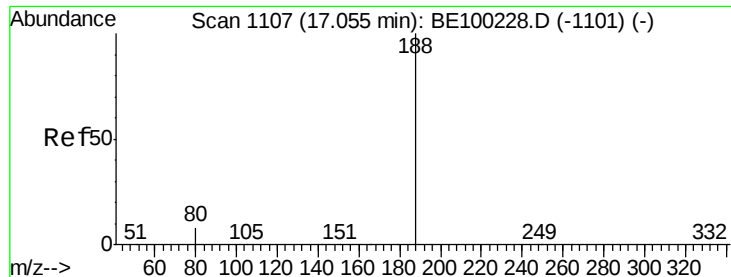
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#18
Fluorene
Concen: 0.257 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.8	81.1	121.7
167	21.2	10.7	16.1#





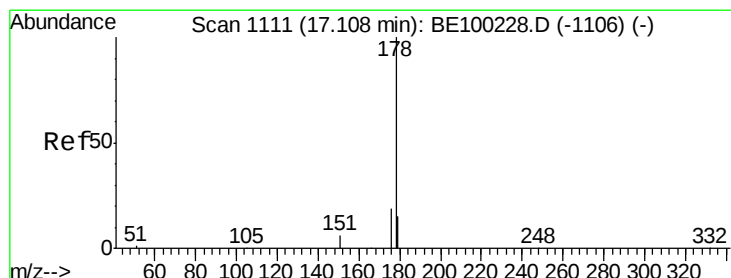
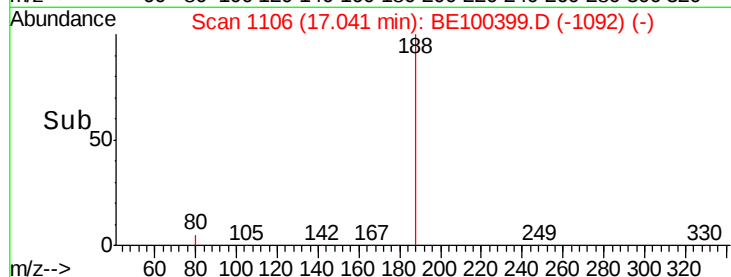
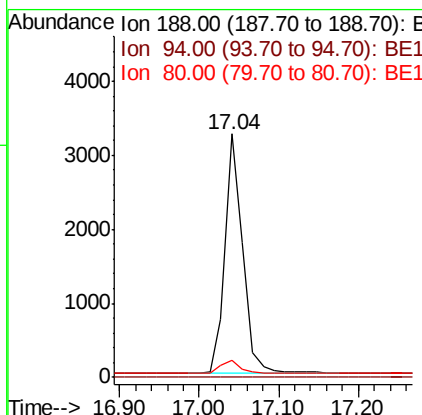
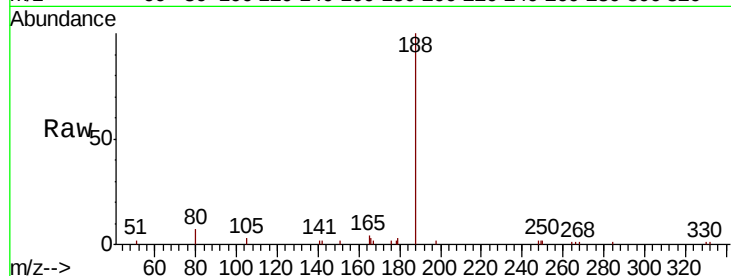
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.9	7.6	11.4

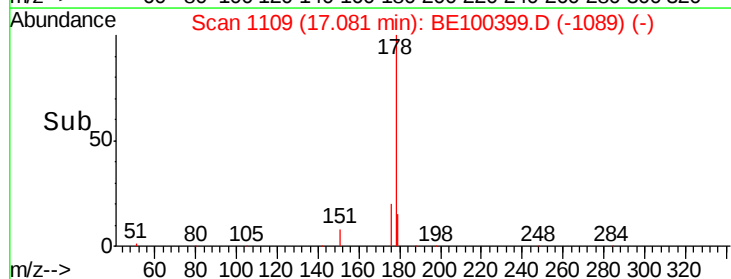
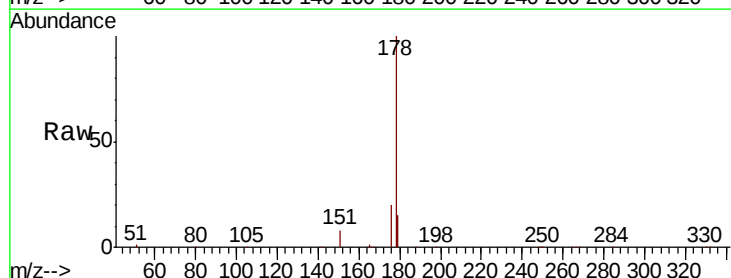
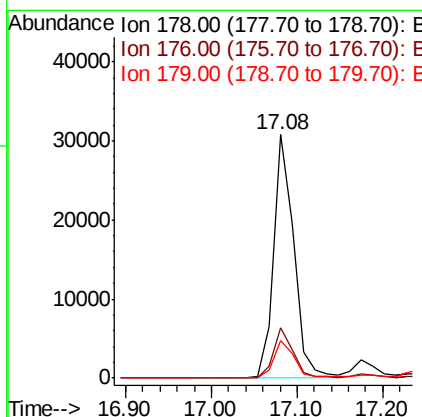
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#23
Phenanthrene
Concen: 4.042 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.9	23.9
179	15.6	12.2	18.2





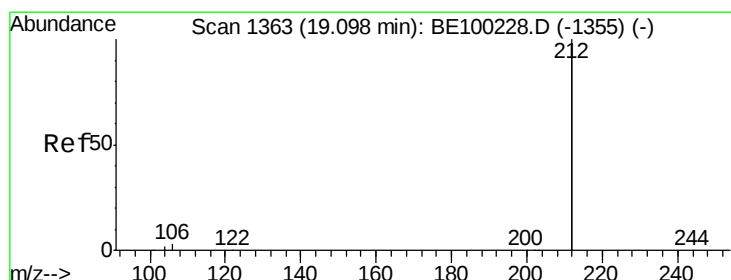
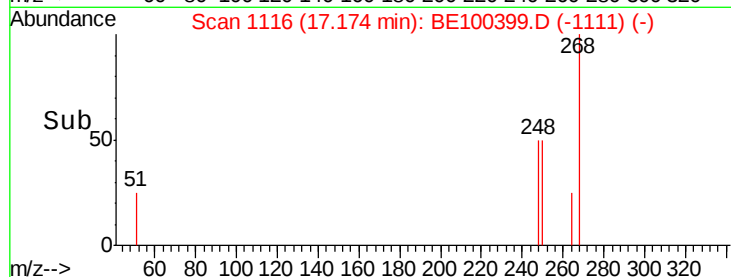
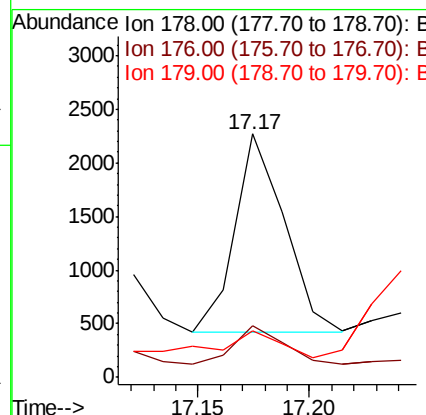
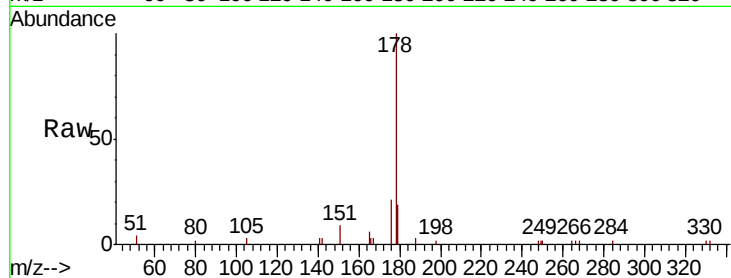
#24
 Anthracene
 Concen: 0.257 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519

Tot Ion:	178	Resp:	2846
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.3	22.9
179	16.0	12.2	18.2

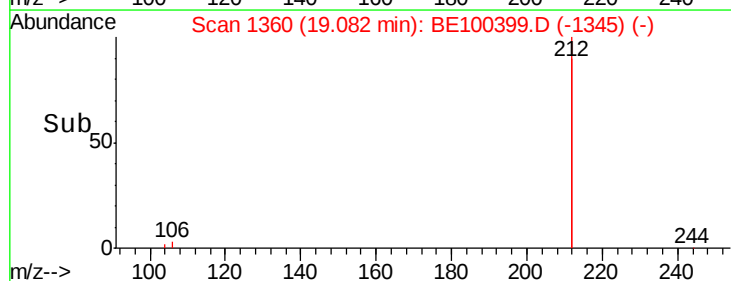
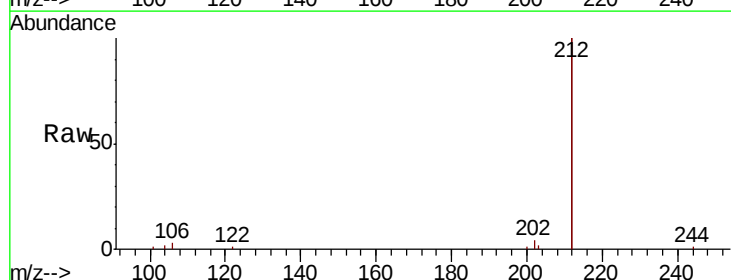
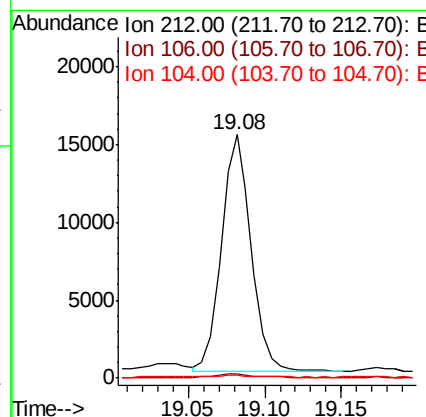
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#25
 Fluoranthene-d10
 Concen: 0.279 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100399.D
 Acq: 6 Jul 2019 2:29

Tgt Ion:	212	Resp:	20519
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	0.9	0.8	1.2





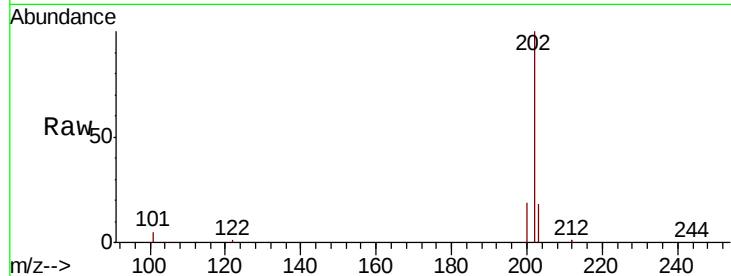
#26
Fluoranthene
Concen: 4.843 ng
RT: 19.11 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

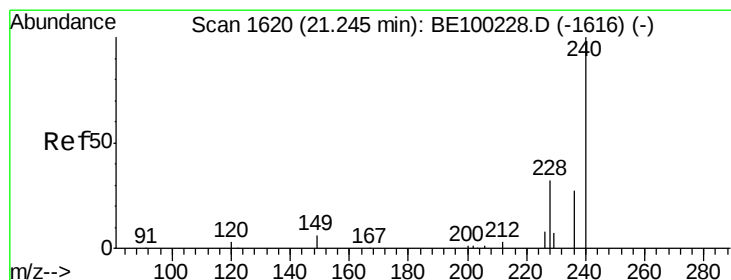
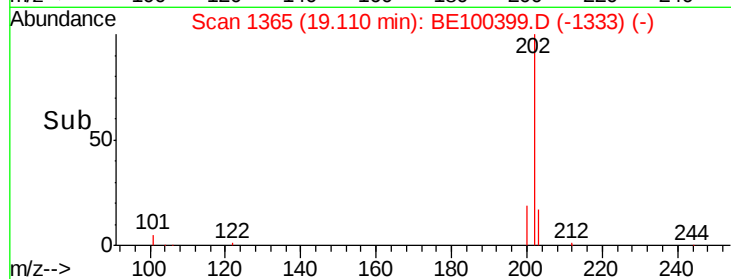
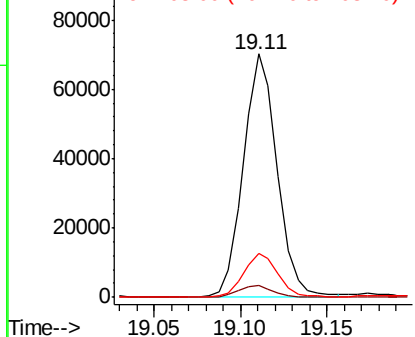
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.6	7.0
203	17.9	13.7	20.5

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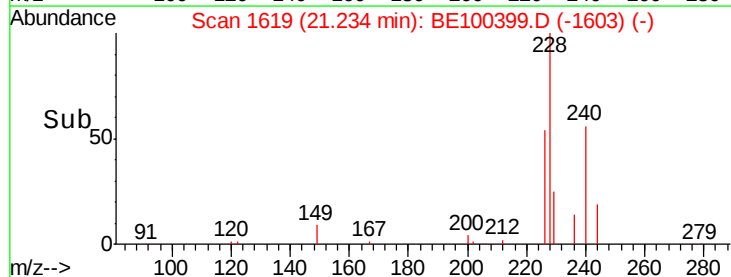
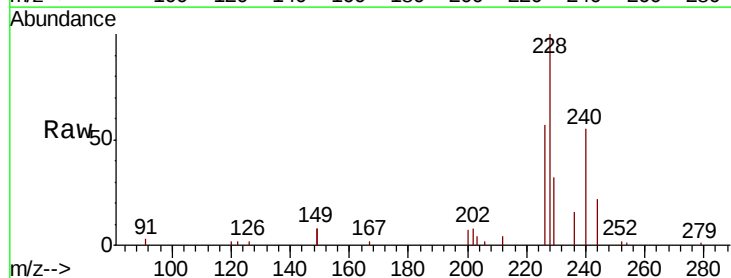
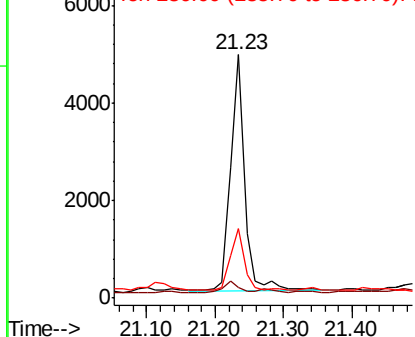
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.2	3.3	4.9
236	28.4	22.6	34.0

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





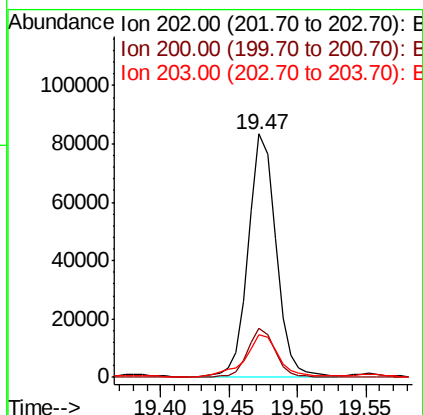
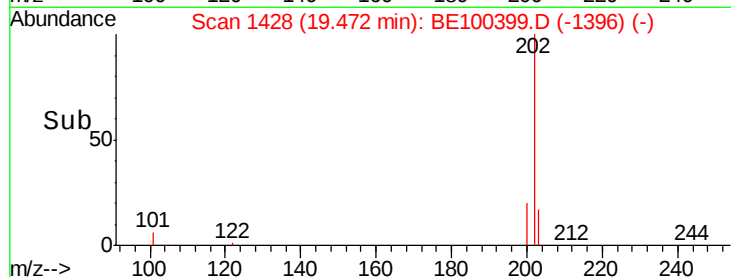
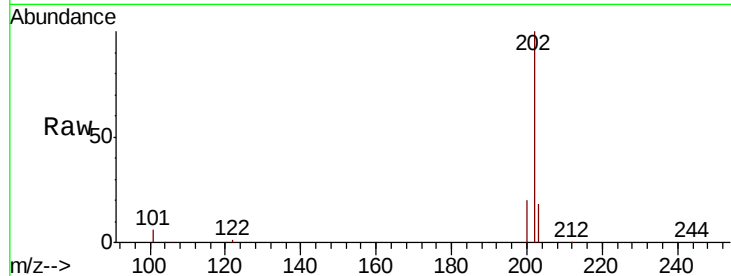
#28
Pvrene
Concen: 6.306 ng
RT: 19.47 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.9	15.6	23.4
203	20.4	14.0	21.0

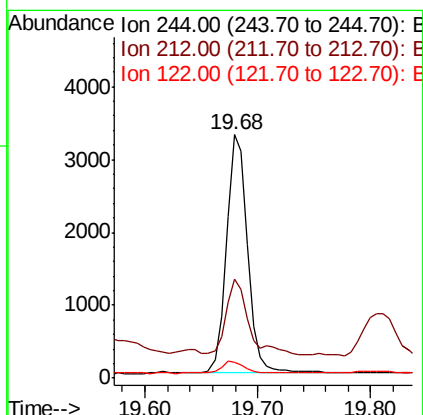
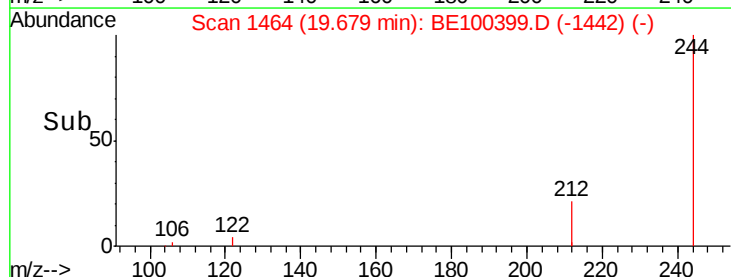
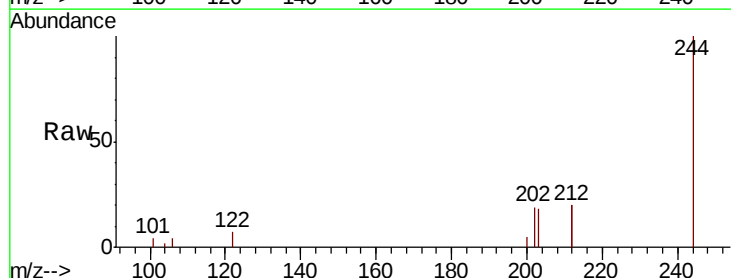
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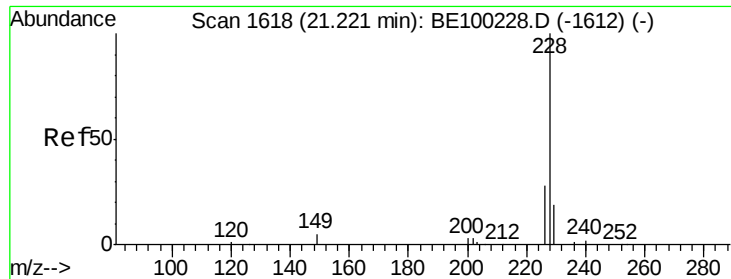
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#29
Terphenyl-d14
Concen: 0.298 ng
RT: 19.68 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	40.5	27.3	40.9
122	6.7	4.7	7.1





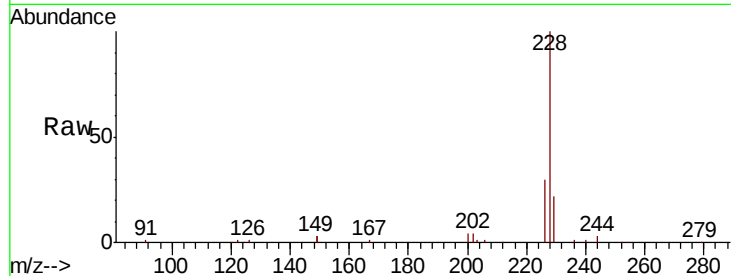
#30
Benzo(a)anthracene
Concen: 2.696 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	22.4	15.7	23.5

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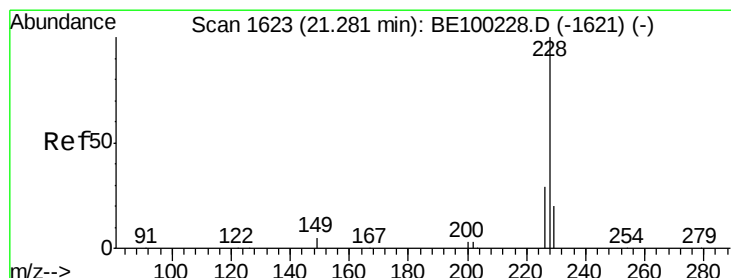
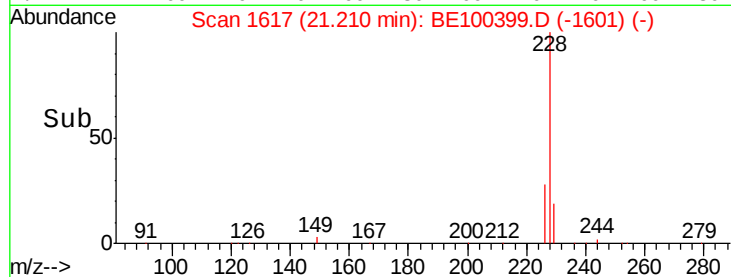
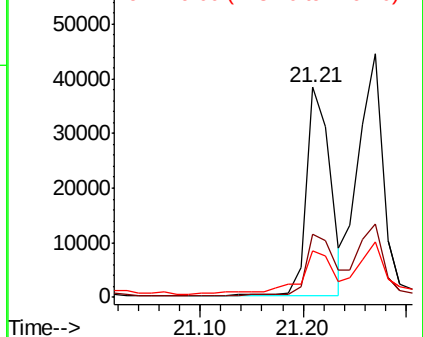


Abundance

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: 3.152 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

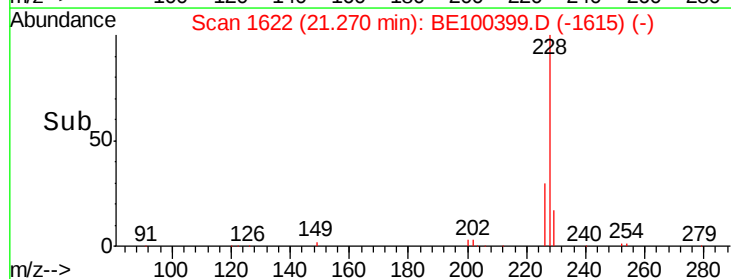
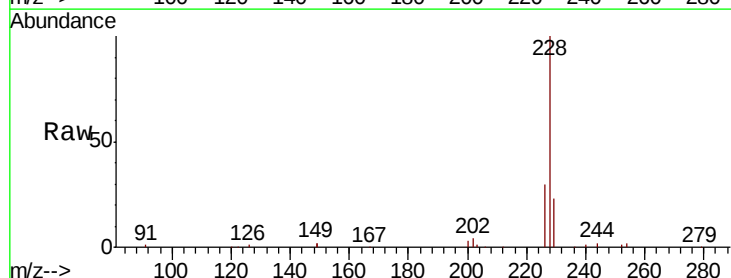
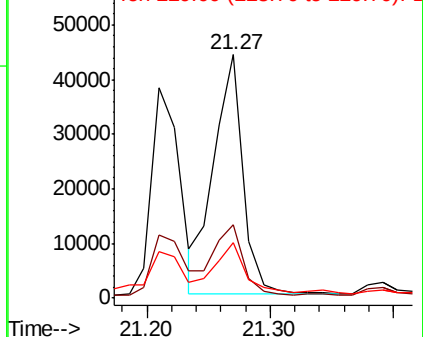
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	22.7	16.5	24.7

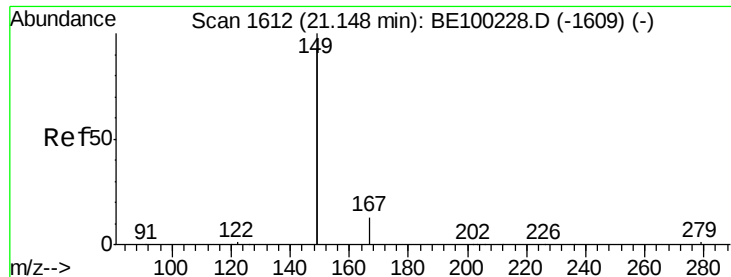
Abundance

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: 4.854 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Instrument :

BNA_E

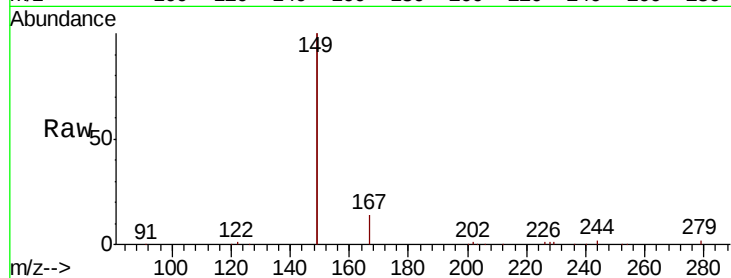
ClientSampleId :

PST-016-SW117-062519

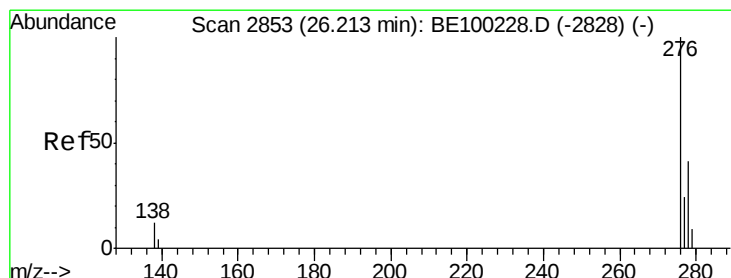
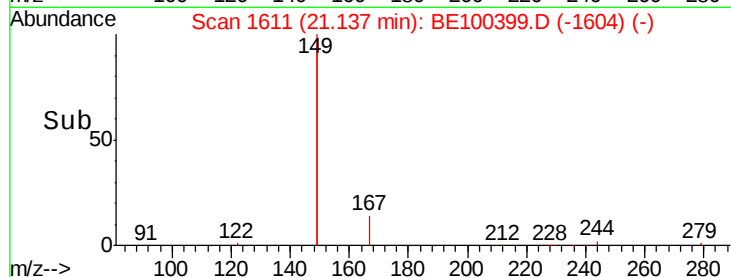
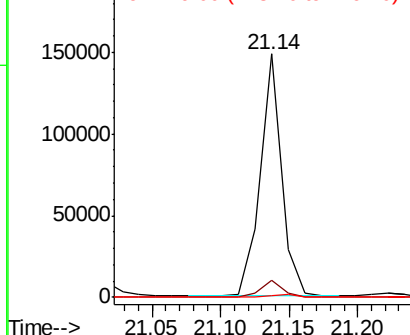
Tot Ion:	149	Resp:	158684
Ion Ratio		Lower	Upper
149	100		
167	7.2	5.8	8.8
279	1.5	1.1	1.7

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.227 ng

RT: 26.20 min Scan# 2849

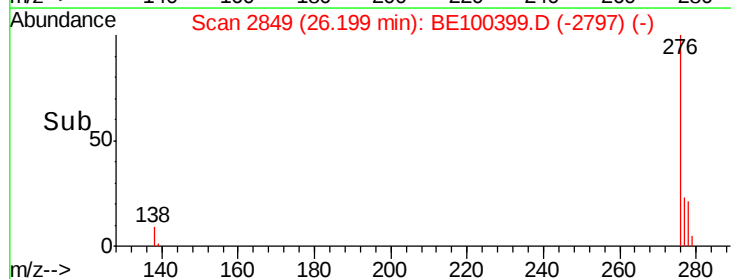
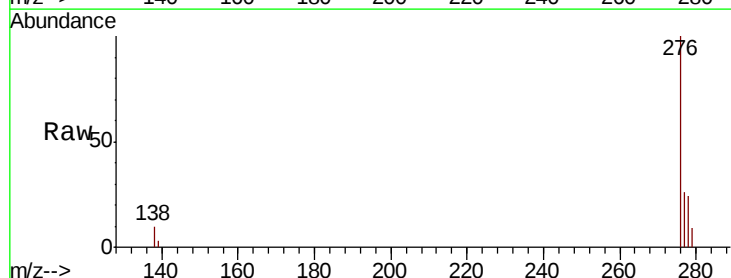
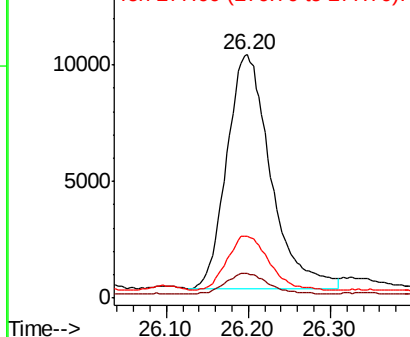
Delta R.T. -0.01 min

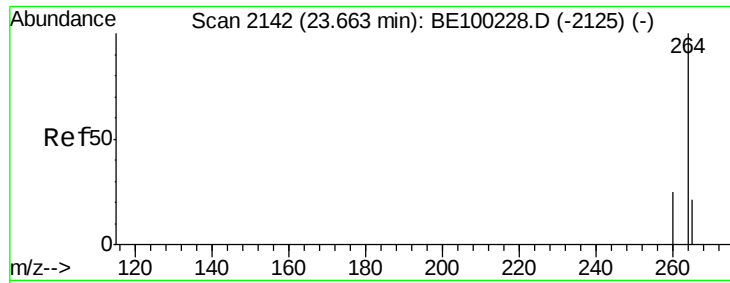
Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Tgt Ion:	276	Resp:	37252
Ion Ratio		Lower	Upper
276	100		
138	8.6	9.4	14.0#
277	22.3	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





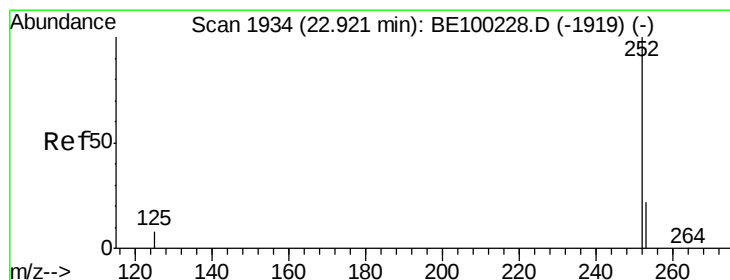
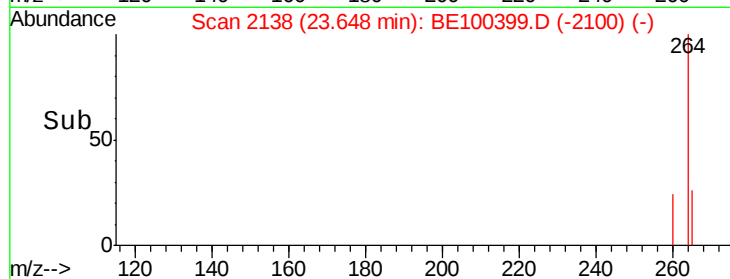
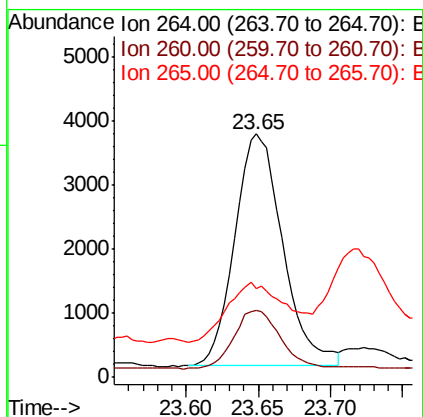
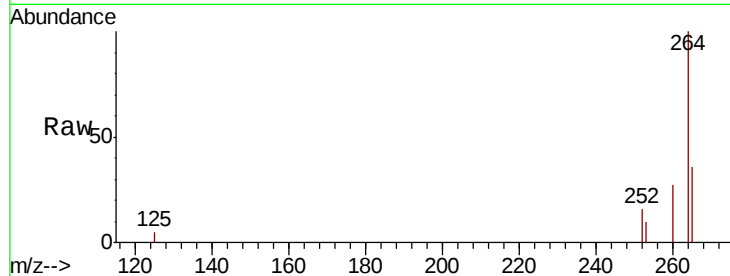
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.8	31.2
265	36.4	21.8	32.6

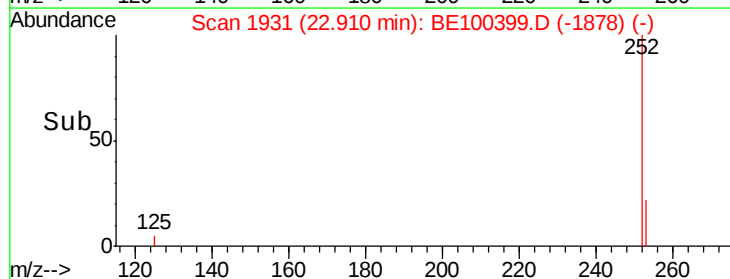
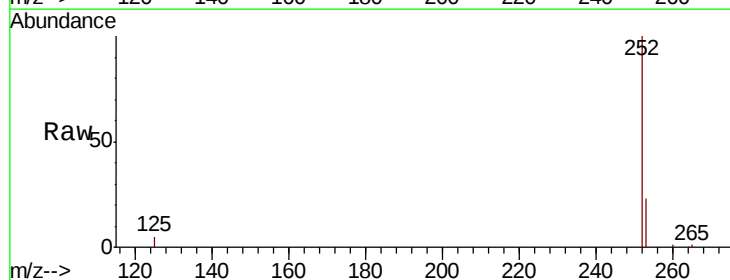
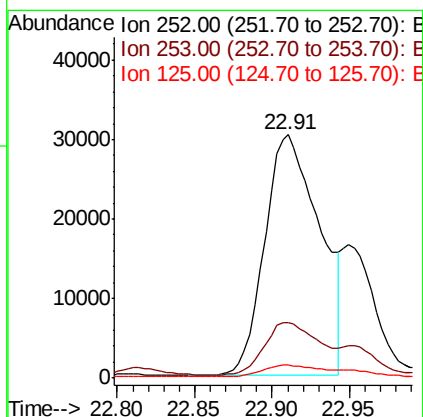
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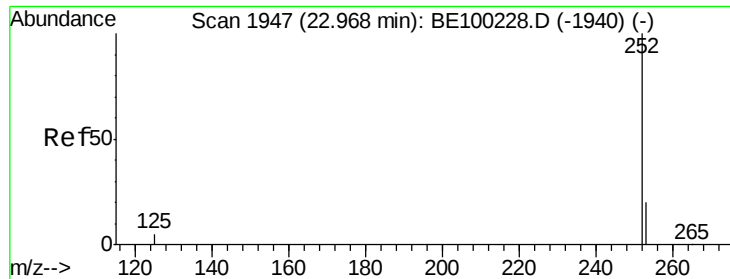
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#35
Benzo(b)fluoranthene
Concen: 3.328 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.2	28.8
125	5.3	7.4	11.0





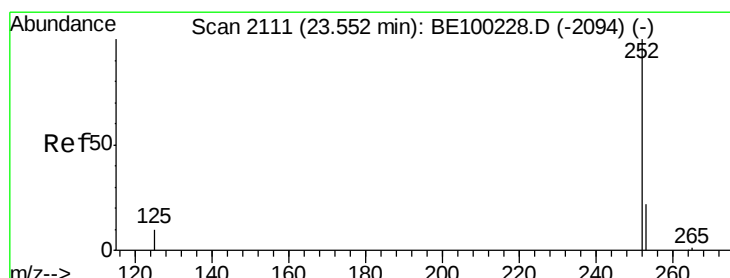
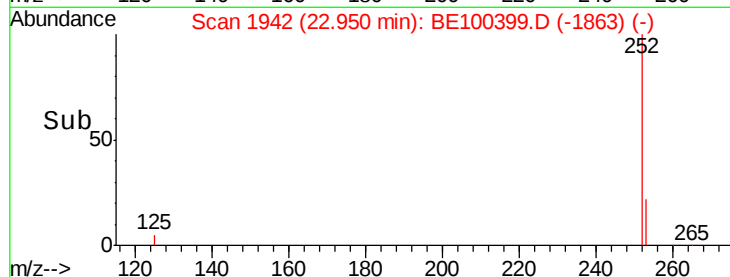
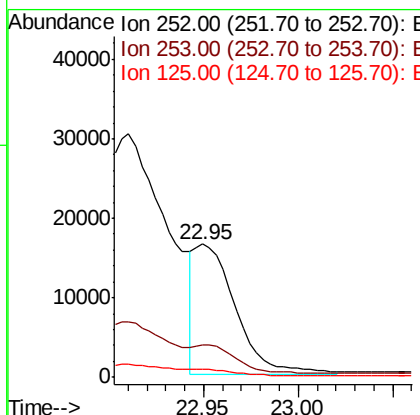
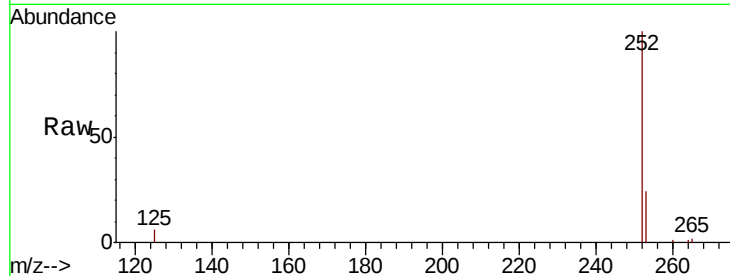
#36
Benzo(k)fluoranthene
Concen: 1.007 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	5.8	5.0	7.4

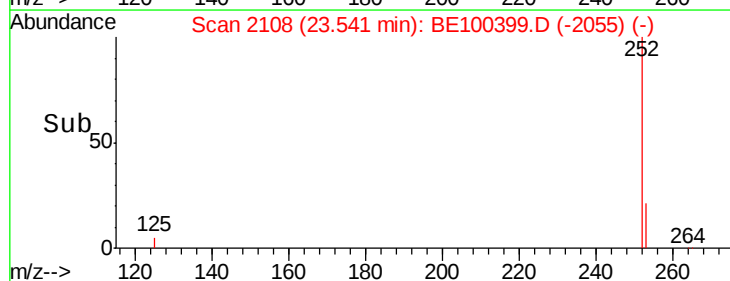
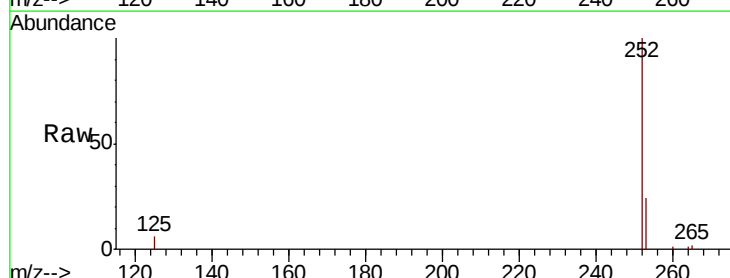
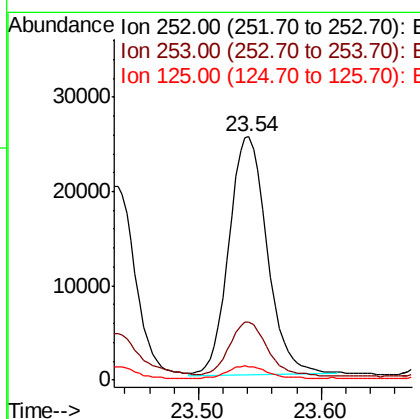
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#37
Benzo(a)pyrene
Concen: 2.436 ng m
RT: 23.54 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE100399.D
Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.6	29.4
125	5.7	9.0	13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.393 ng

RT: 26.21 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Instrument :

BNA_E

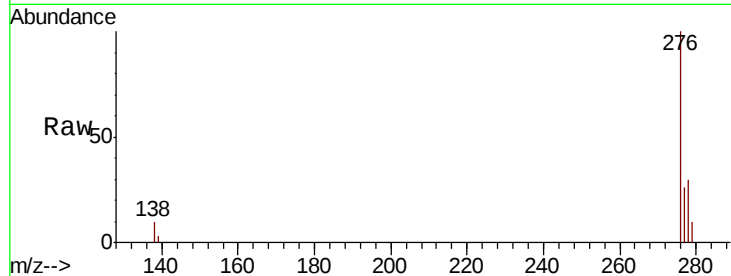
ClientSampleId :

PST-016-SW117-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.1	8.2	12.2
279	34.3	20.3	30.5

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7/8/2019 2:14:28 PM

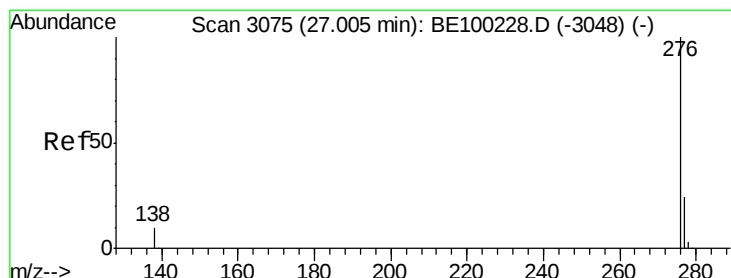
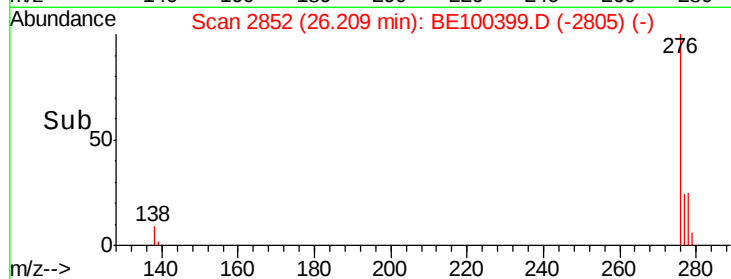
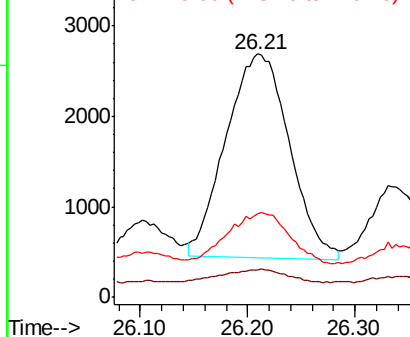


Abundance

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(g,h,i)perylene

Concen: 1.684 ng

RT: 26.99 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BE100399.D

Acq: 6 Jul 2019 2:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.2
138	9.8	9.0	13.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

