

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100387.D
 Acq On : 5 Jul 2019 18:34
 Operator : JU/SJ
 Sample : K3561-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Manual Integrations
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 7/8/2019 2:14:01 PM

Quant Time: Jul 06 00:49:37 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	699	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2428	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1895	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5607	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	7505	0.40	ng	-0.01
34) Perylene-d12	23.65	264	9098	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	491	0.28	ng	-0.01
5) Phenol-d6	6.81	99	654	0.28	ng	-0.02
8) Nitrobenzene-d5	8.80	82	470	0.19	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1194	0.26	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	418	0.32	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	1956	0.26	ng	-0.03
25) Fluoranthene-d10	19.08	212	16444	0.20	ng	-0.02
29) Terphenyl-d14	19.68	244	3344	0.21	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	5004	0.187	ng	# 97
12) 2-Methylnaphthalene	12.09	142	812	0.173	ng	95
16) Acenaphthylene	14.02	152	4809	0.529	ng	98
17) Acenaphthene	14.36	154	555	0.108	ng	# 87
18) Fluorene	15.34	166	1877	0.246	ng	# 92
23) Phenanthrene	17.08	178	59987	4.414	ng	100
24) Anthracene	17.18	178	4296	0.351	ng	98
26) Fluoranthene	19.11	202	125313	5.789	ng	99
28) Pyrene	19.48	202	140972	7.095	ng	97
30) Benzo(a)anthracene	21.22	228	67357m	2.730	ng	
31) Chrysene	21.27	228	89173	3.599	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	21677	0.564	ng	100
33) Indeno(1,2,3-cd)pyrene	26.20	276	50528	1.542	ng	# 97
35) Benzo(b)fluoranthene	22.91	252	91779	3.721	ng	# 96
36) Benzo(k)fluoranthene	22.95	252	33535m	1.218	ng	
37) Benzo(a)pyrene	23.54	252	65524	2.650	ng	# 94
38) Dibenzo(a,h)anthracene	26.21	278	12328	0.477	ng	# 86
39) Benzo(a,h,i)perylene	26.99	276	55540	2.094	ng	99

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

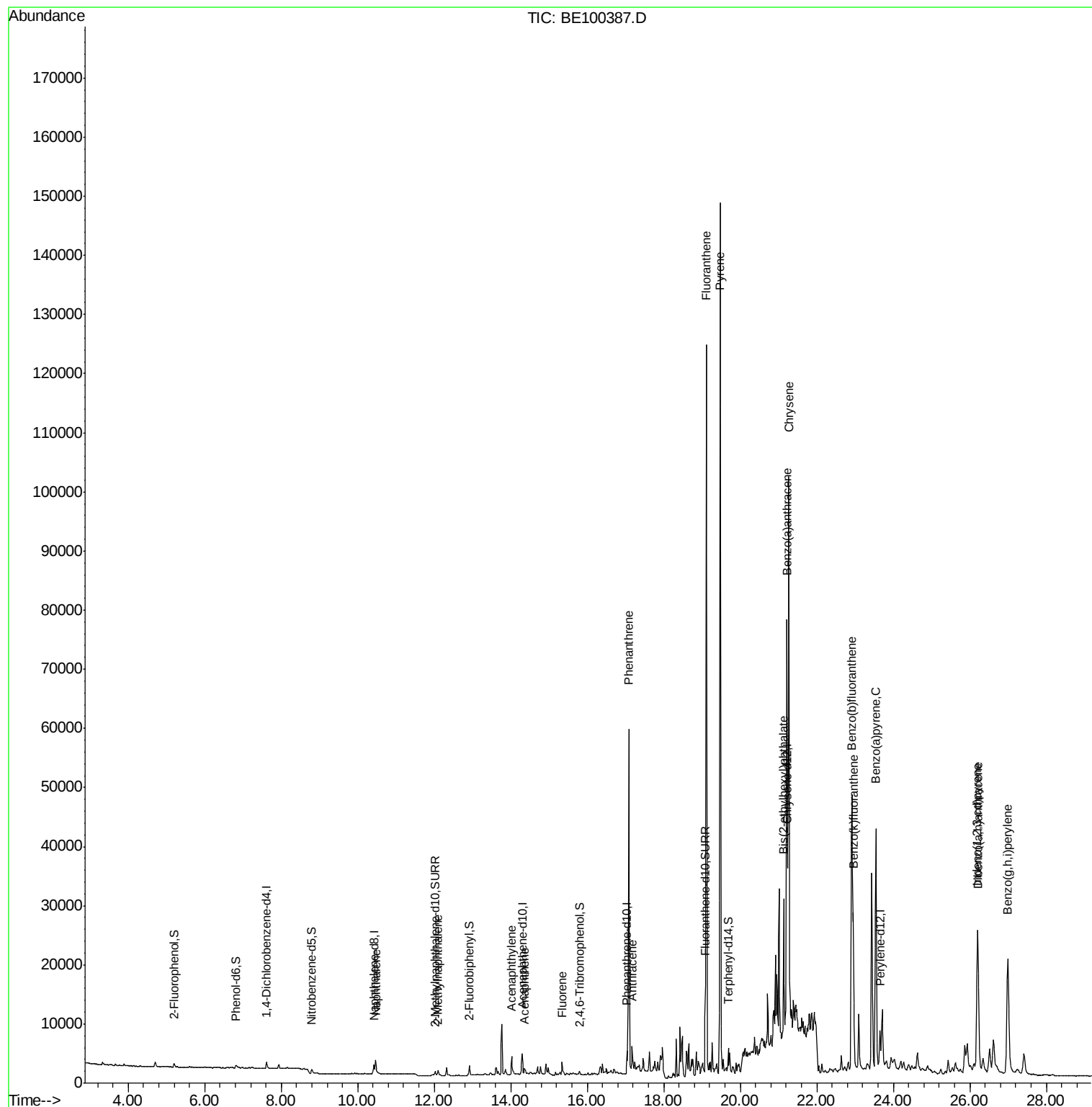
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100387.D
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Sample : K3561-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

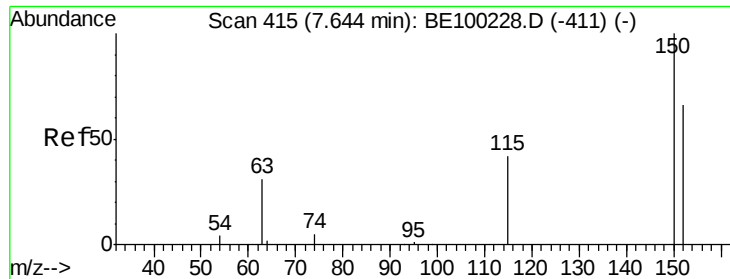
Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

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Quant Time: Jul 06 00:49:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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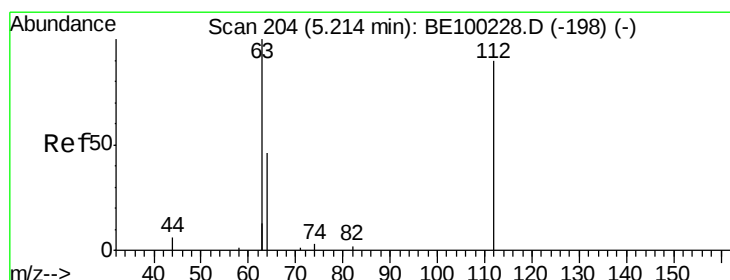
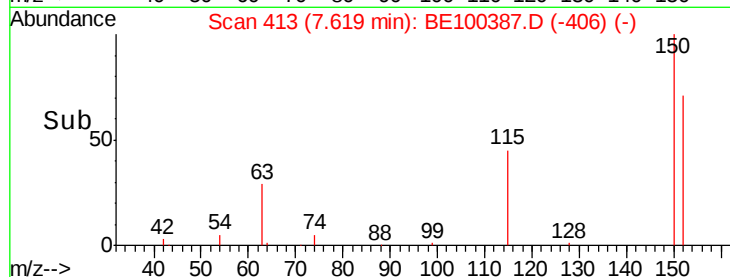
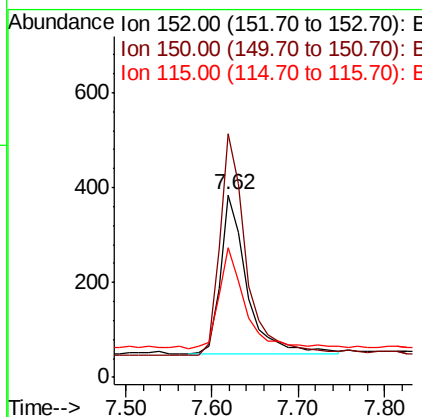
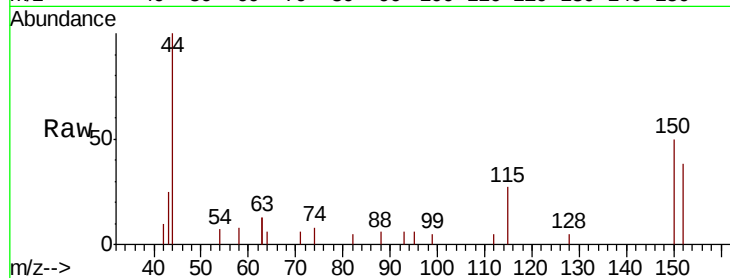
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.62 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.6	114.5	171.7
115	71.1	57.1	85.7

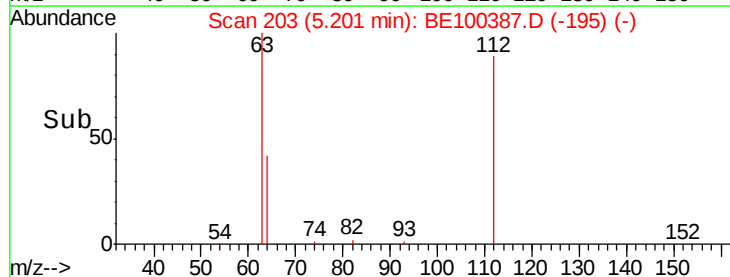
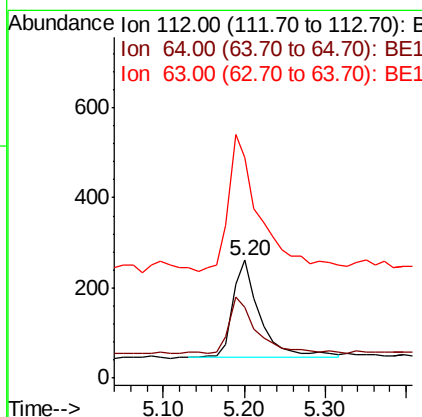
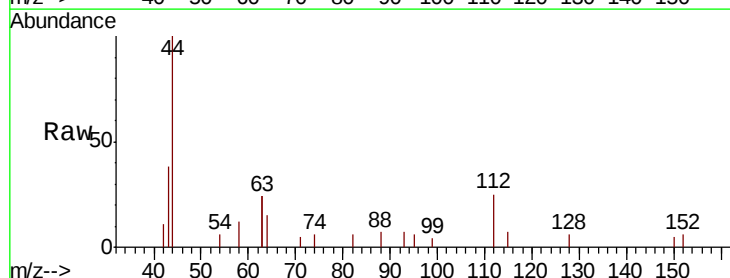
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#4
 2-Fluorophenol
 Concen: 0.275 ng
 RT: 5.20 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	39.4	59.0#
63	166.6	104.5	156.7#





#5

Phenol-d6

Concen: 0.279 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Instrument :

BNA_E

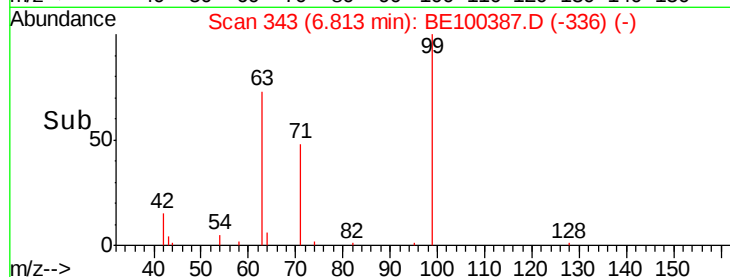
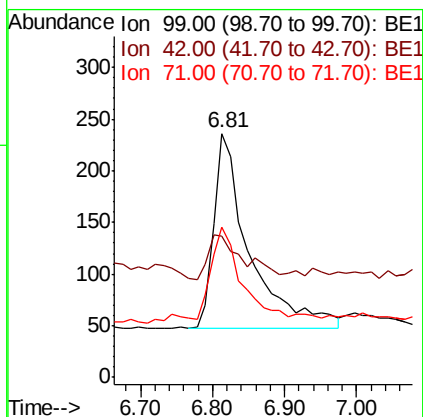
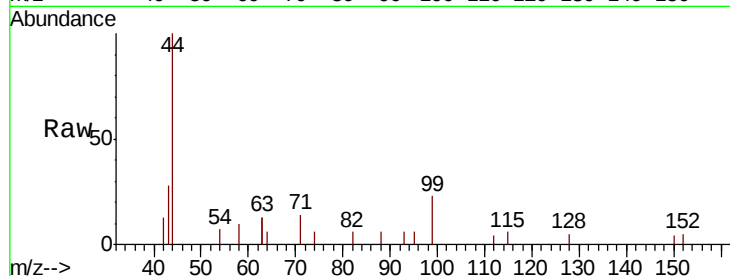
ClientSampleId :

PST-015-SW109-062519

Tot Ion:	99	Resp:	654
Ion	Ratio	Lower	Upper
99	100		
42	23.2	11.2	16.8#
71	37.2	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

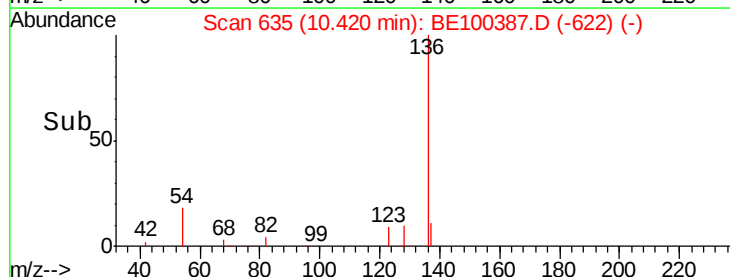
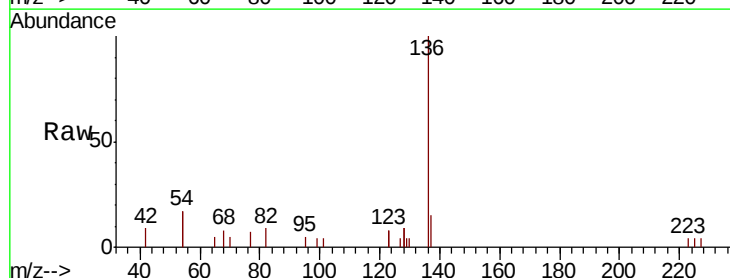
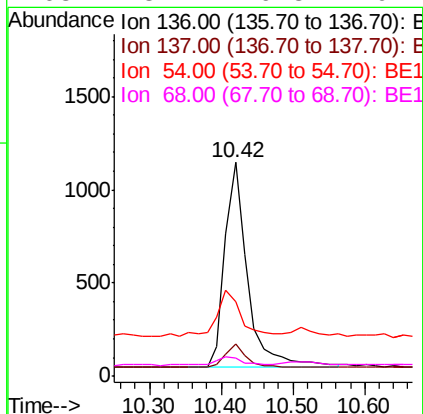
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Tgt Ion:	136	Resp:	2428
Ion	Ratio	Lower	Upper
136	100		
137	15.1	11.8	17.8
54	34.5	27.7	41.5
68	8.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.195 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Instrument :

BNA_E

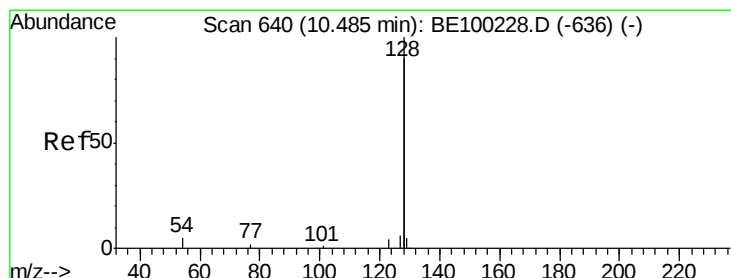
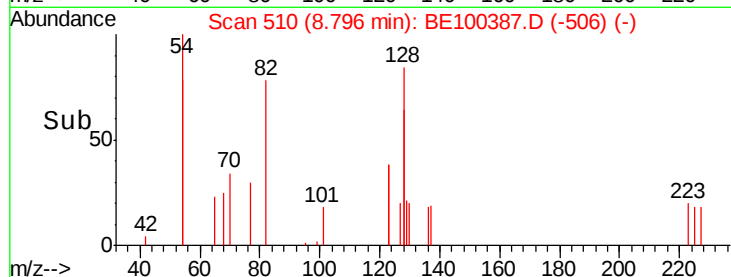
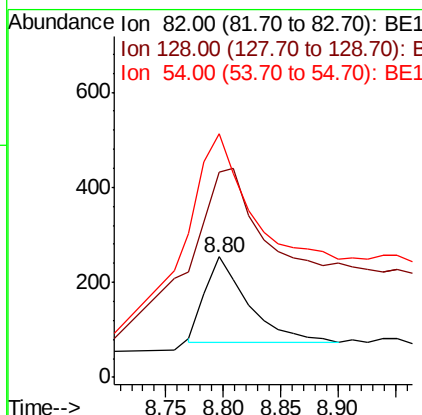
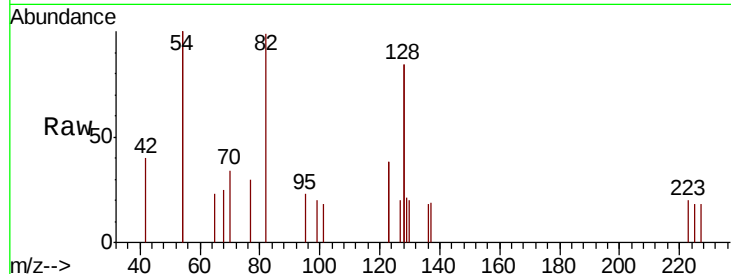
ClientSampleId :

PST-015-SW109-062519

Tot Ion:	82	Resp:	470
Ion	Ratio	Lower	Upper
82	100		
128	170.1	140.9	211.3
54	201.6	146.2	219.2

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#9

Naphthalene

Concen: 0.187 ng

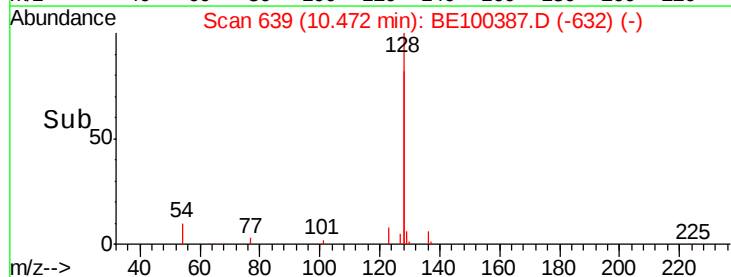
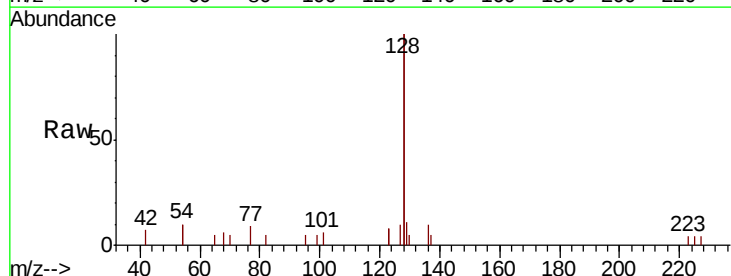
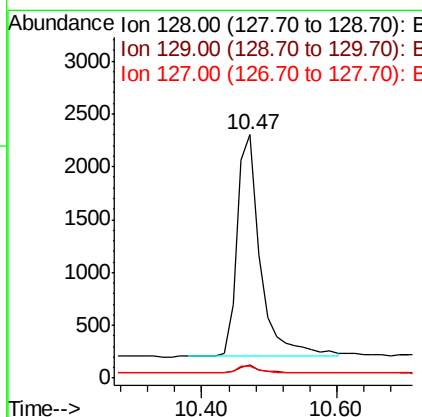
RT: 10.47 min Scan# 639

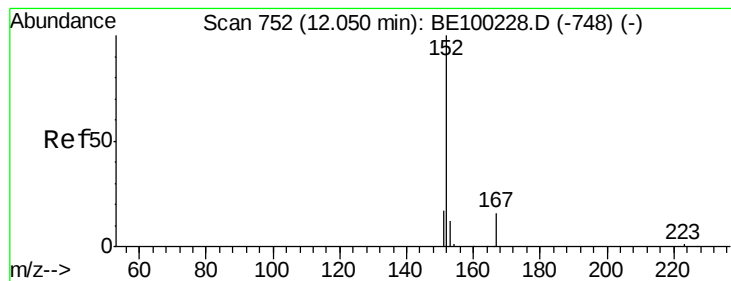
Delta R.T. -0.01 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Tgt Ion:	128	Resp:	5004
Ion	Ratio	Lower	Upper
128	100		
129	5.3	3.0	4.6#
127	4.9	3.5	5.3





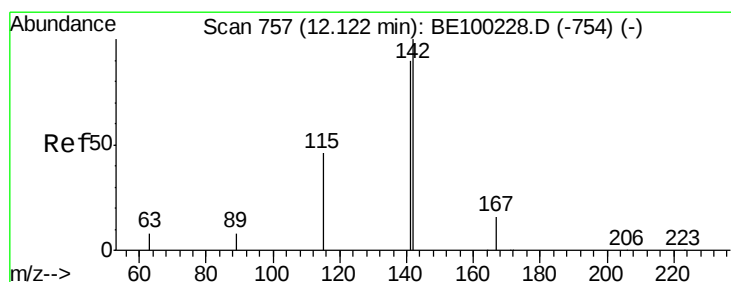
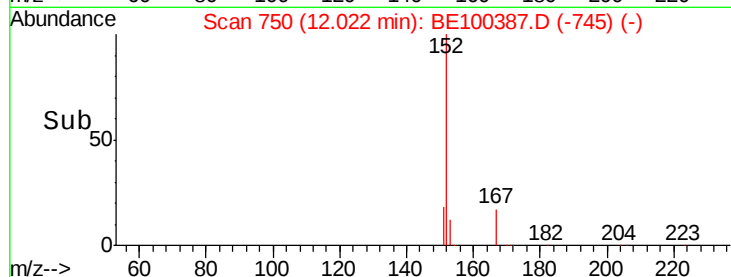
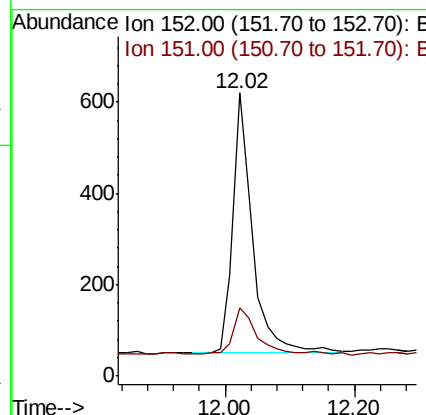
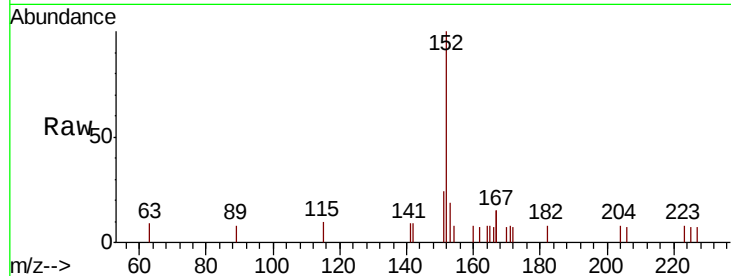
#11
2-Methylnaphthalene-d10
Concen: 0.261 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion:152 Resp: 1194
Ion Ratio Lower Upper
152 100
151 20.5 15.1 22.7

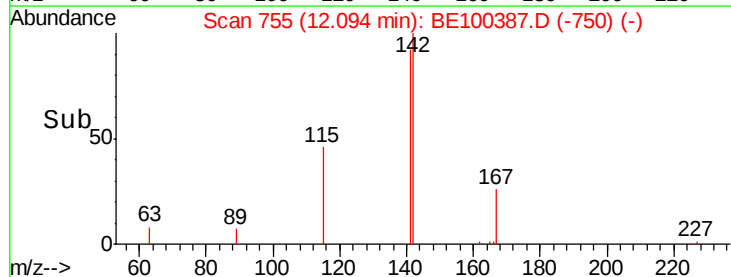
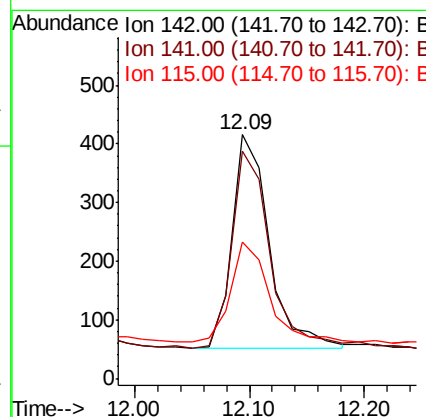
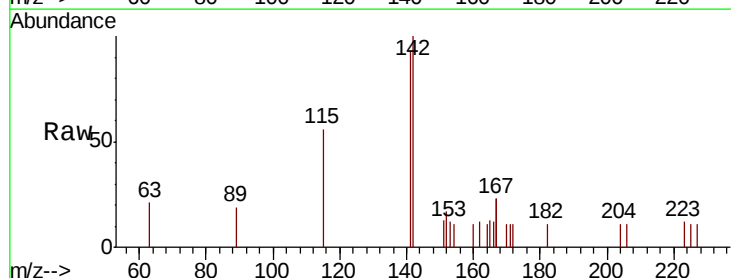
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#12
2-Methylnaphthalene
Concen: 0.173 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.03 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion:142 Resp: 812
Ion Ratio Lower Upper
142 100
141 93.3 72.4 108.6
115 56.0 40.4 60.6





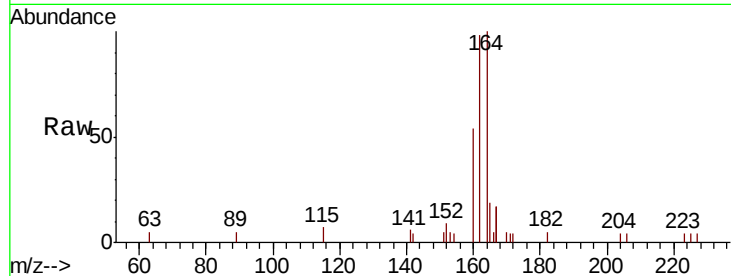
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.30 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.0	83.4	125.0
160	53.9	45.0	67.6

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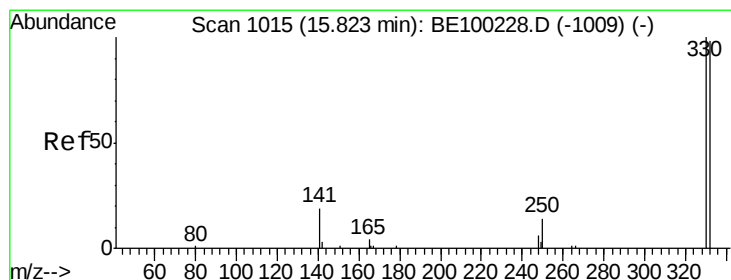
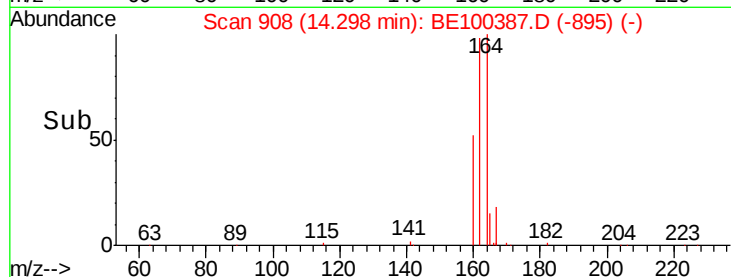
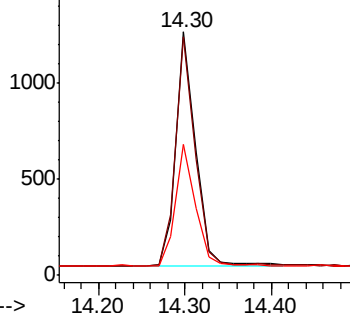


Abundance

Ion 164.00 (163.70 to 164.70): E

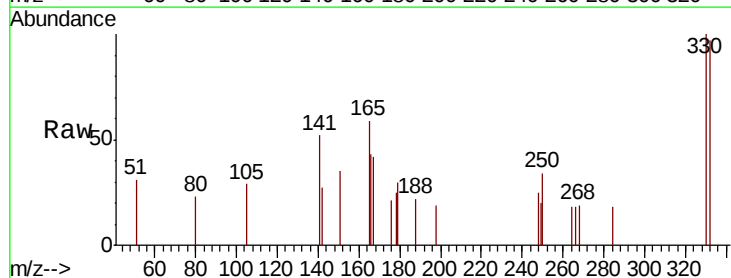
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.315 ng
 RT: 15.80 min Scan# 1013
 Delta R.T. -0.03 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.4
141	59.8	22.0	33.0#

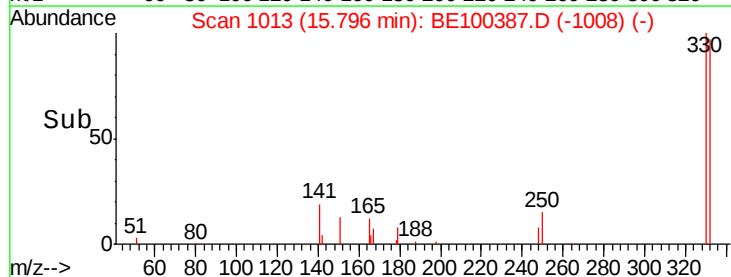
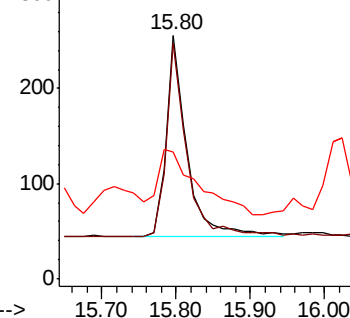


Abundance

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





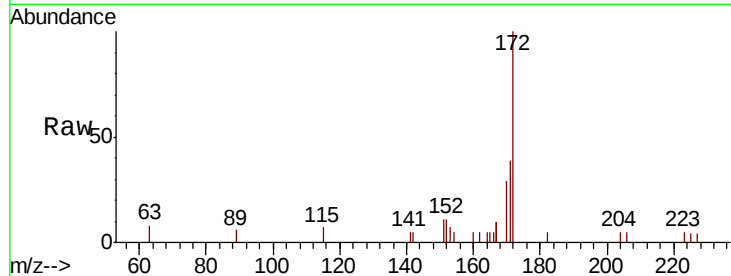
#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.92 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.9	47.9
170	29.2	22.2	33.2

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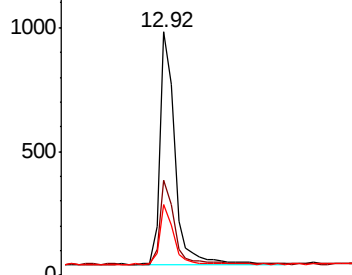


Abundance

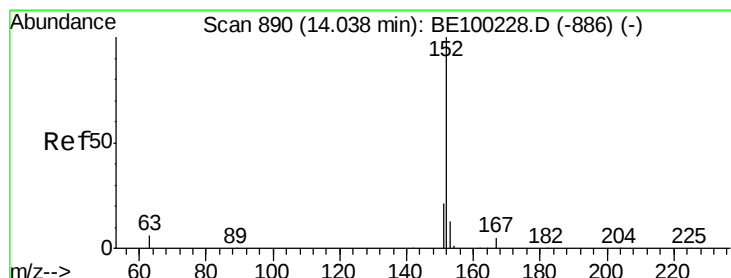
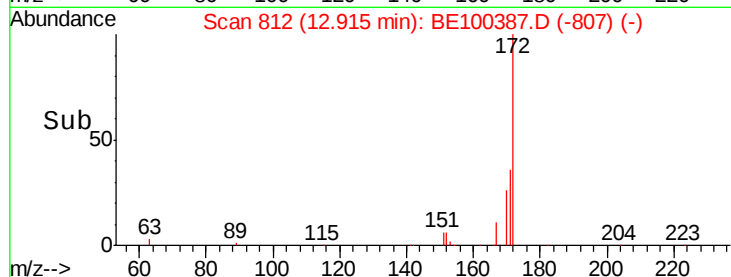
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#16
Acenaphthylene
Concen: 0.529 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

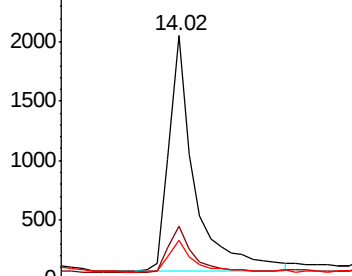
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	25.0
153	13.3	10.5	15.7

Abundance

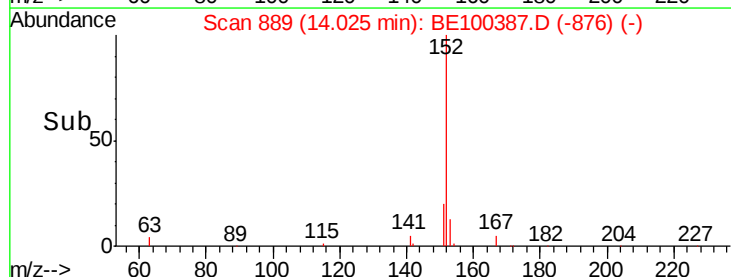
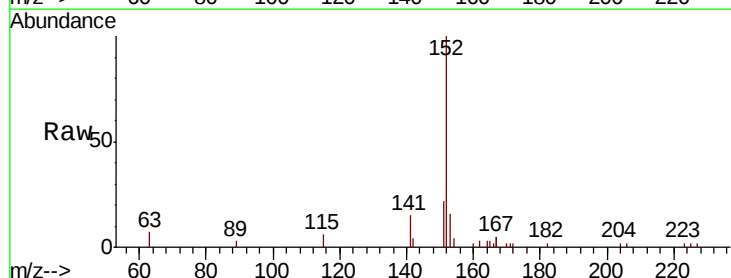
Ion 152.00 (151.70 to 152.70): E

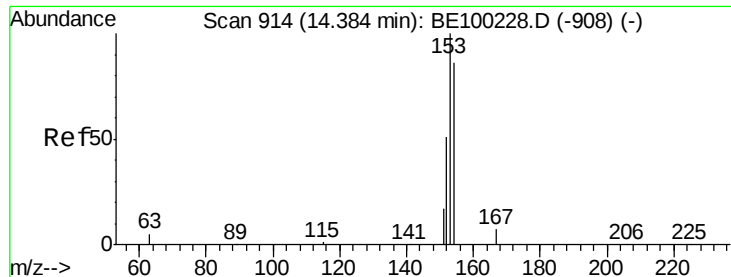
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





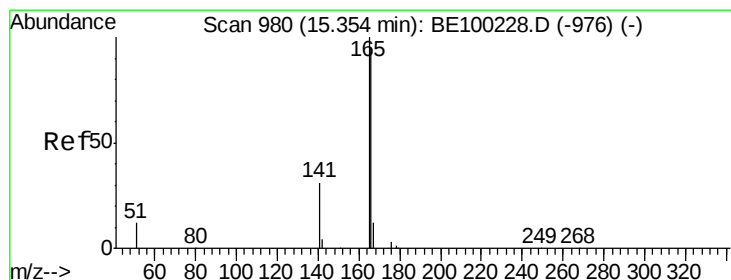
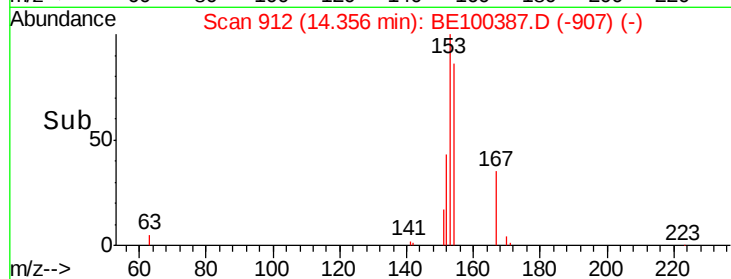
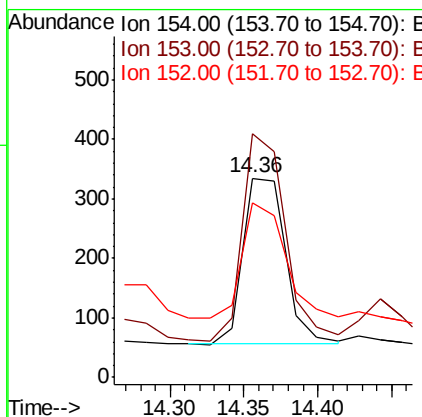
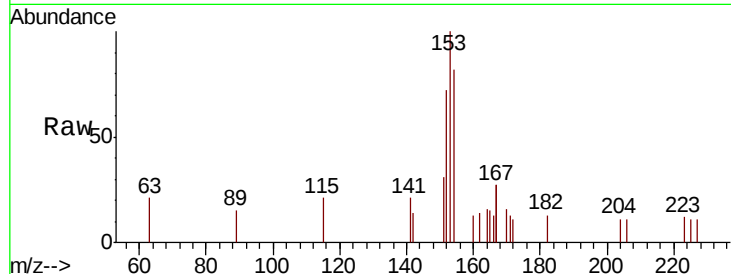
#17
Acenaphthene
Concen: 0.108 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.9	93.4	140.2
152	78.6	49.4	74.2#

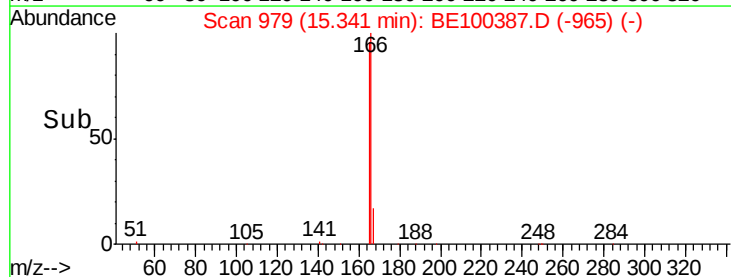
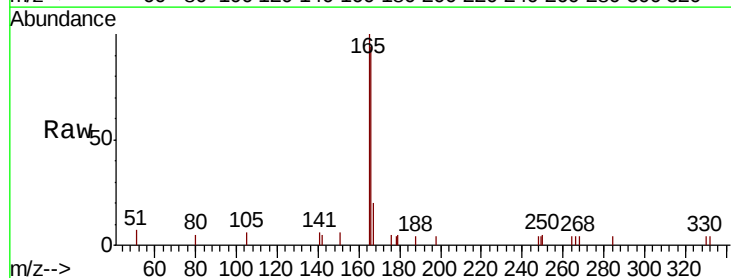
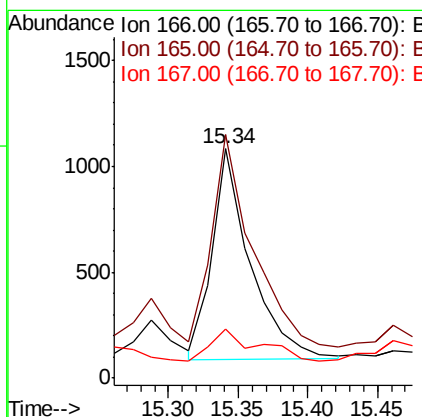
Manual Integrations
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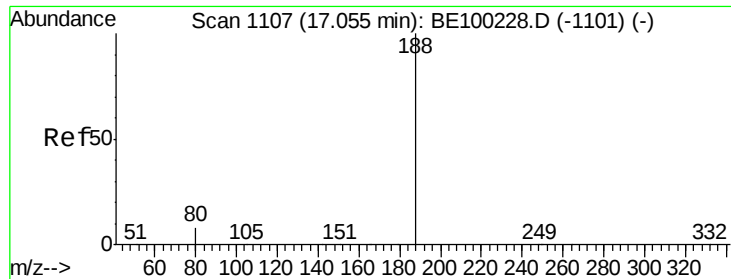
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#18
Fluorene
Concen: 0.246 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.6	81.1	121.7
167	19.2	10.7	16.1#





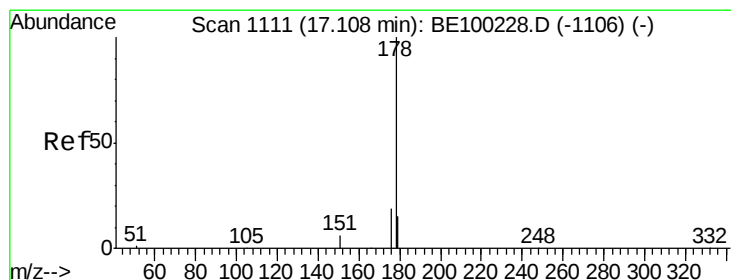
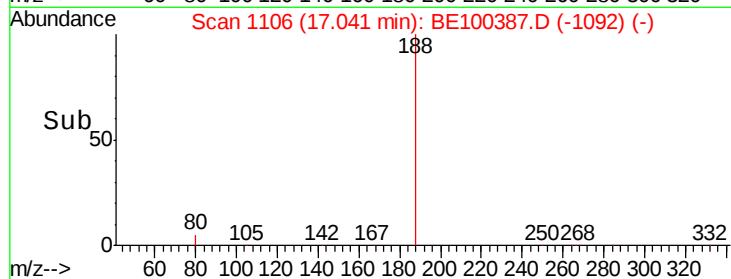
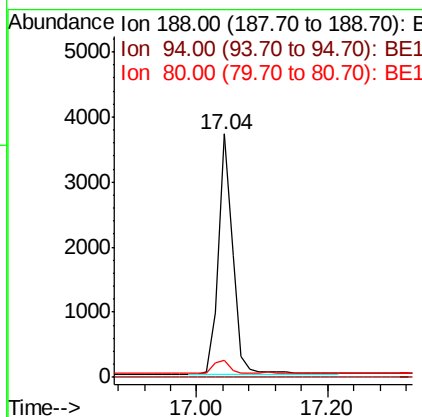
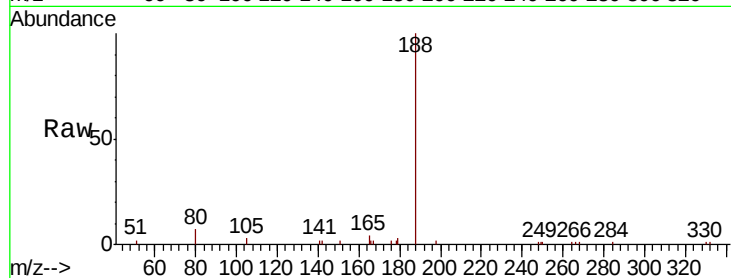
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5607		
94	0.0	0.0	0.0	
80	6.8	7.6	11.4	

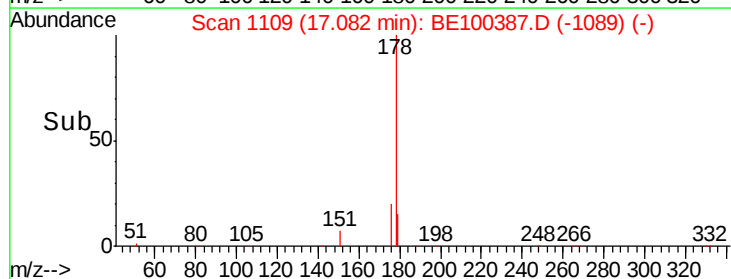
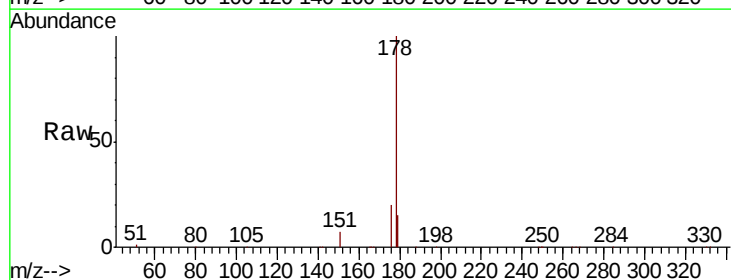
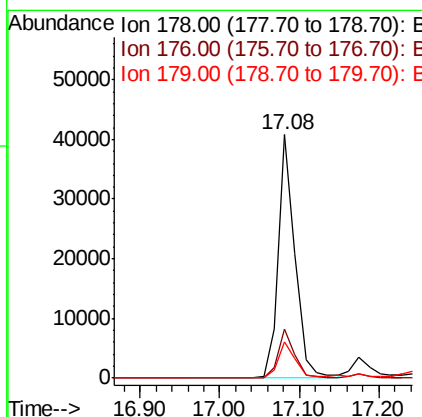
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#23
Phenanthrene
Concen: 4.414 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	59987		
176	19.9	15.9	23.9	
179	15.4	12.2	18.2	





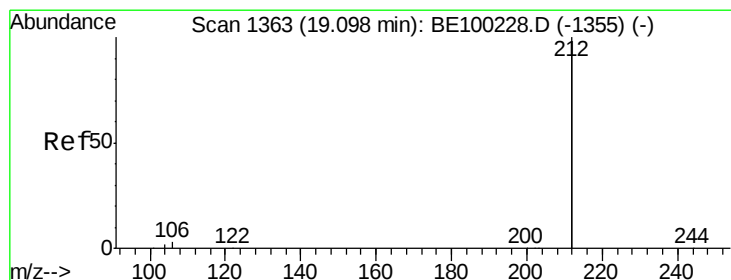
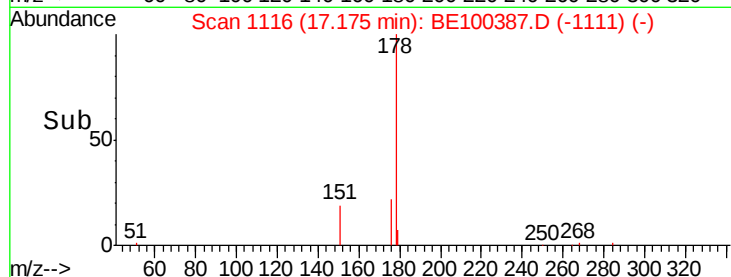
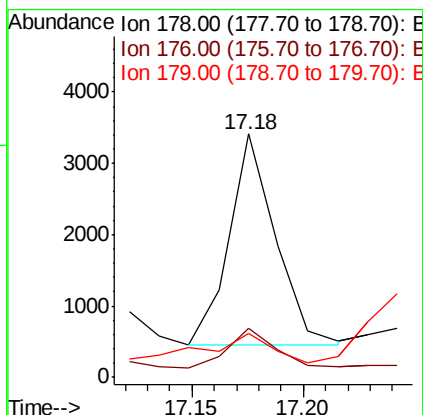
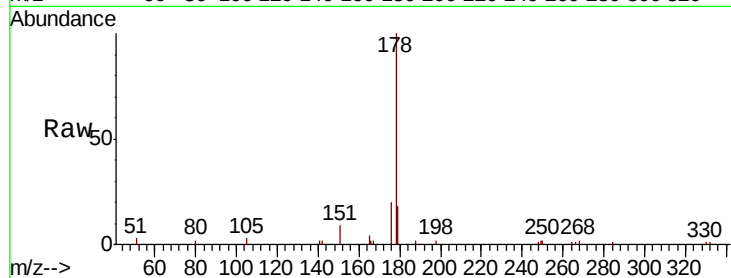
#24
 Anthracene
 Concen: 0.351 ng
 RT: 17.18 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	17.1	12.2	18.2

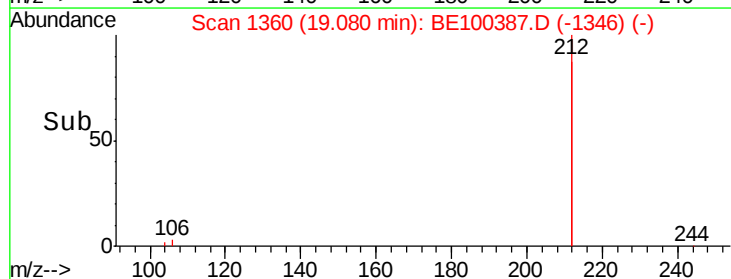
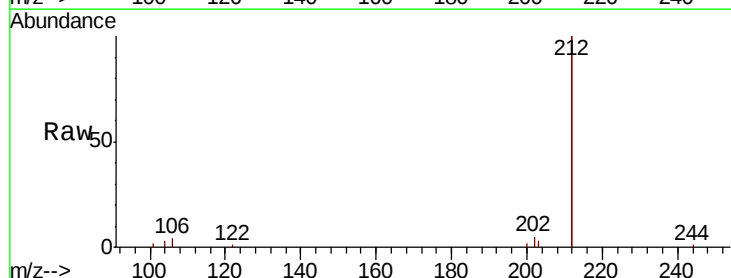
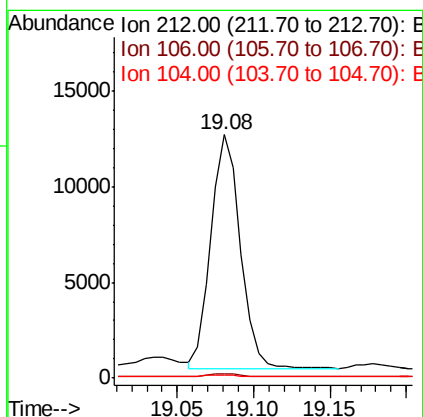
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#25
 Fluoranthene-d10
 Concen: 0.202 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.1	0.8	1.2





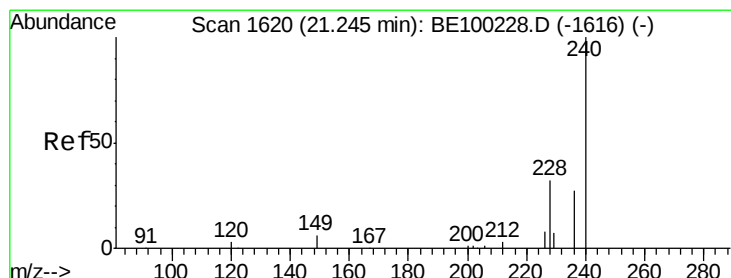
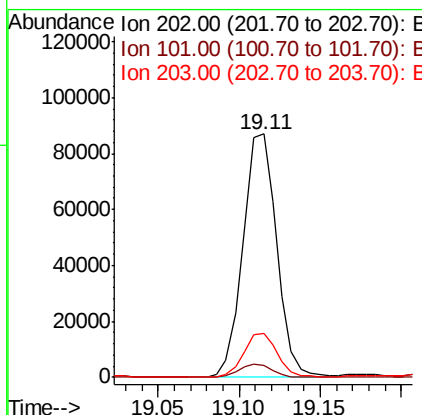
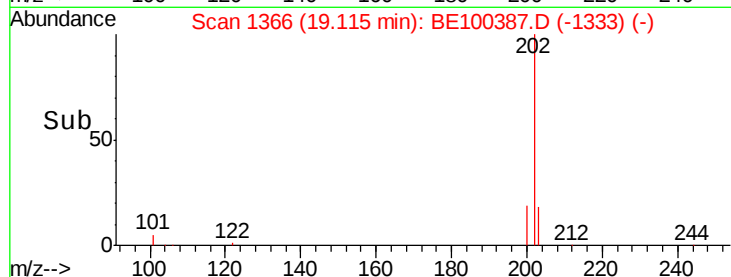
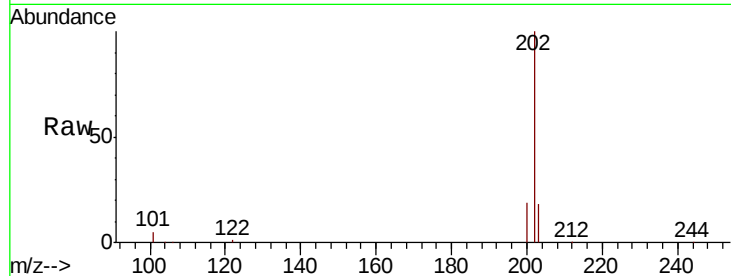
#26
 Fluoranthene
 Concen: 5.789 ng
 RT: 19.11 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	17.6	13.7	20.5

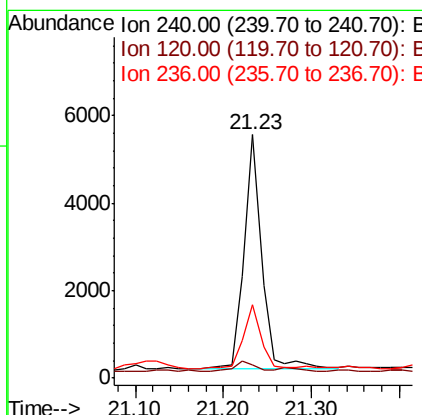
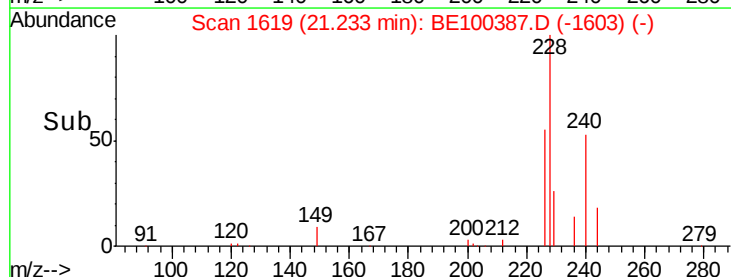
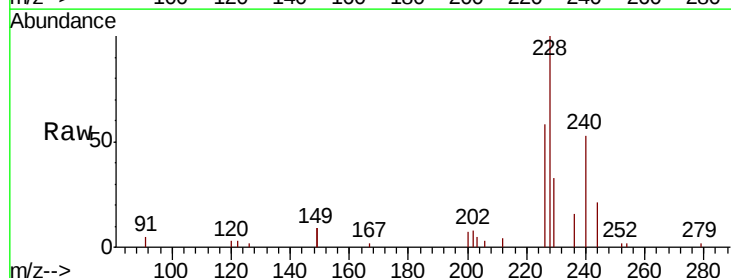
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.3	4.9#
236	30.0	22.6	34.0





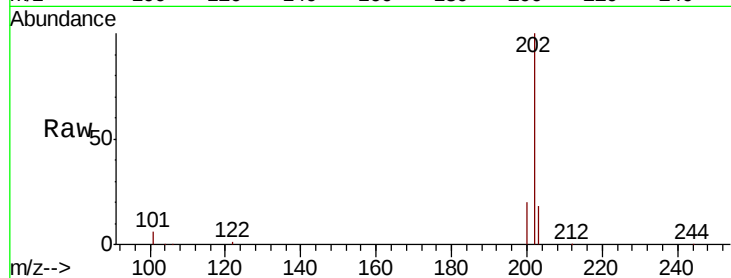
#28
Pvrene
Concen: 7.095 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.6	23.4
203	20.0	14.0	21.0

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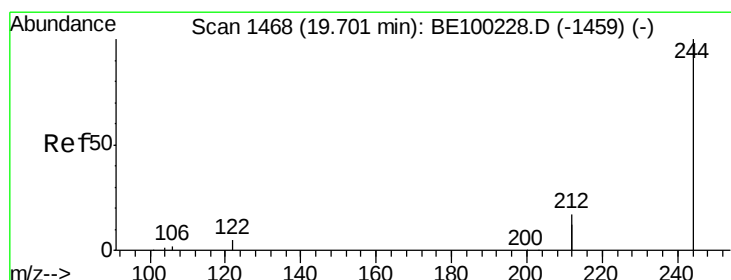
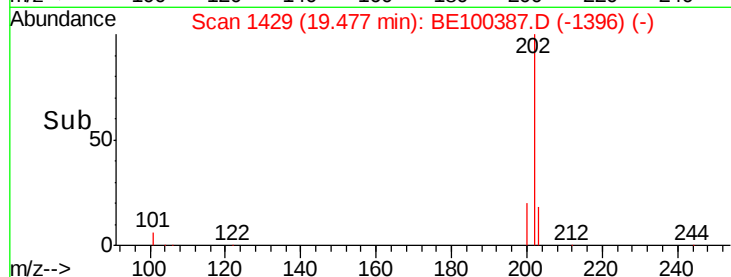
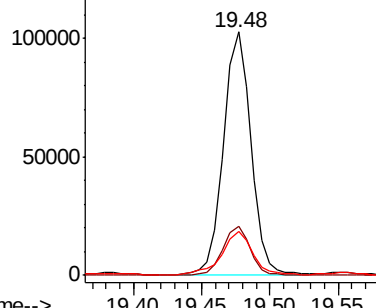


Abundance

Ion 202.00 (201.70 to 202.70): E

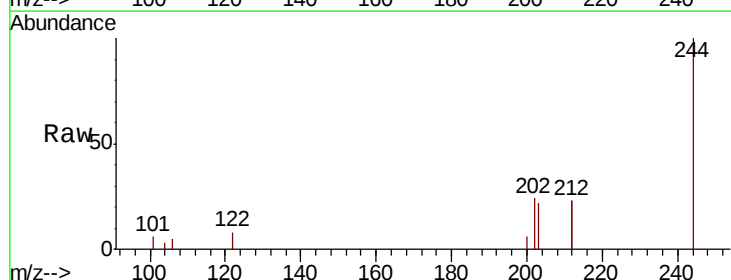
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.215 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	45.8	27.3	40.9#
122	7.7	4.7	7.1#

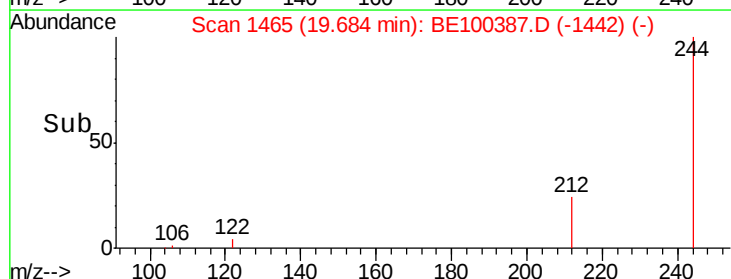
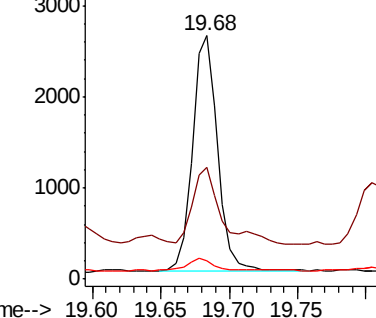


Abundance

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





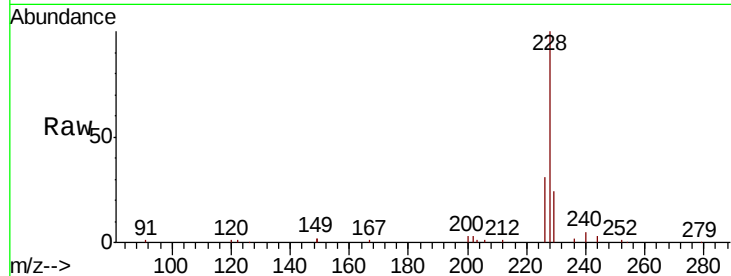
#30
Benzo(a)anthracene
Concen: 2.730 ng m
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

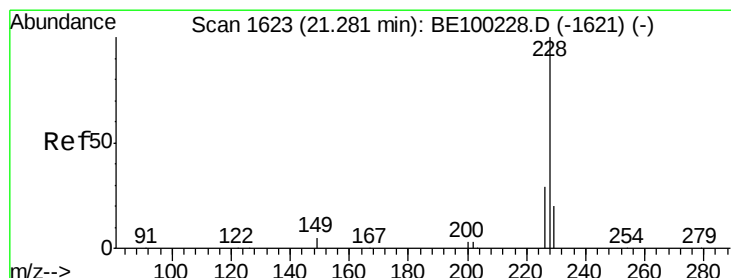
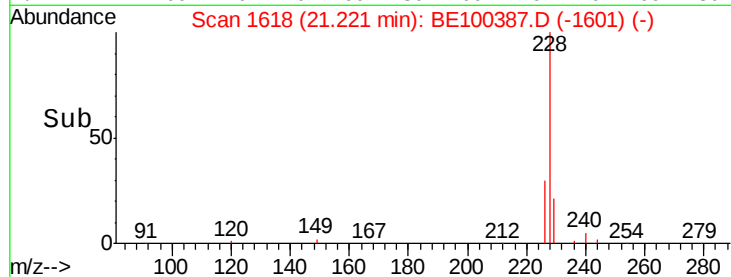
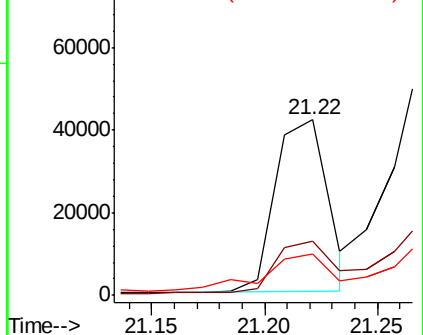
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.2	34.8
229	23.7	15.7	23.5

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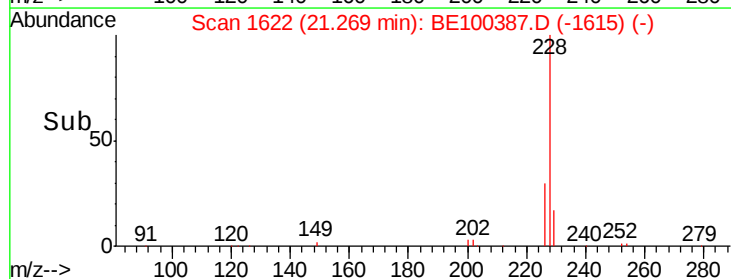
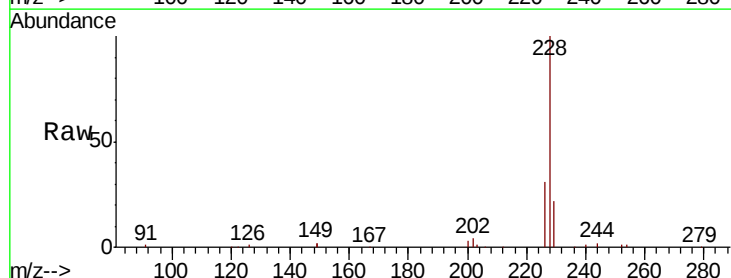
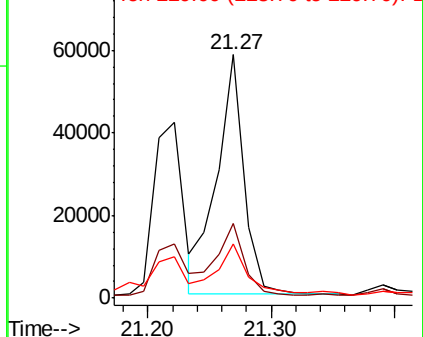
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

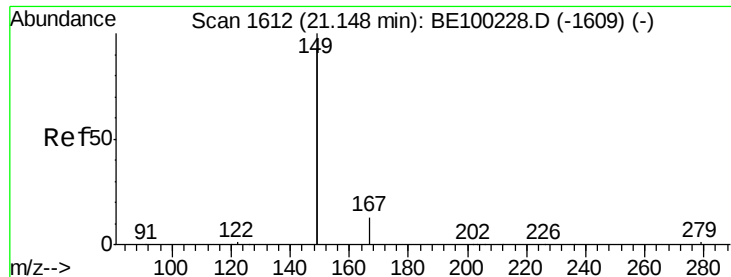


#31
Chrysene
Concen: 3.599 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	22.5	16.5	24.7

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.564 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Instrument :

BNA_E

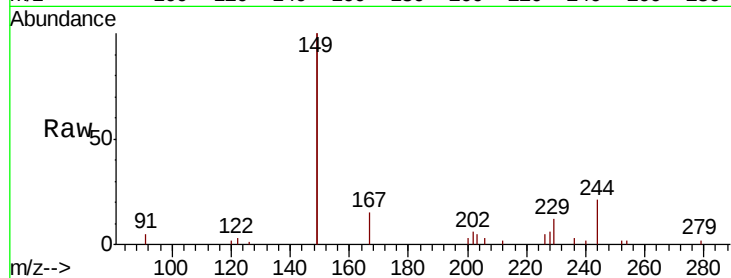
ClientSampleId :

PST-015-SW109-062519

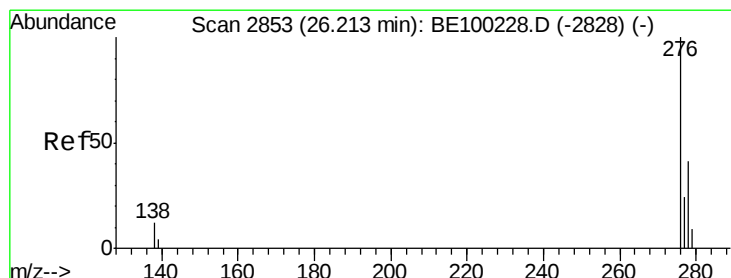
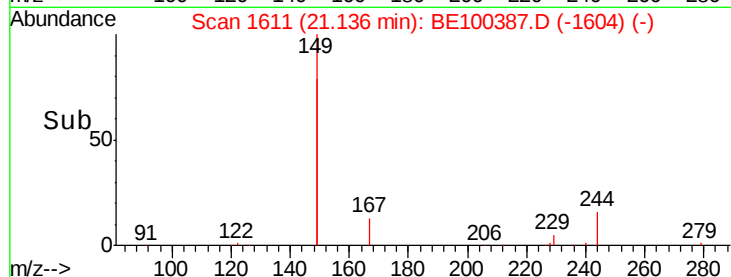
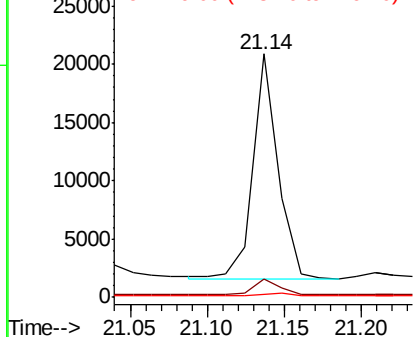
Tot Ion:	149	Resp:	21677
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.4	1.1	1.7

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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: 1.542 ng

RT: 26.20 min Scan# 2850

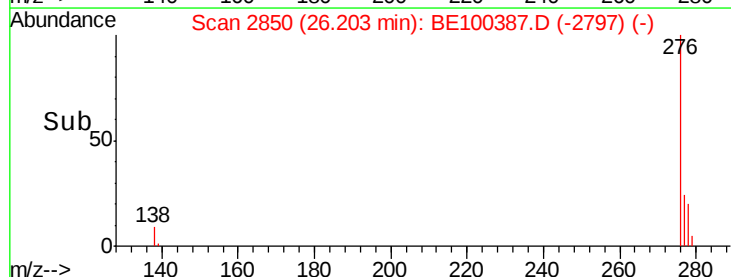
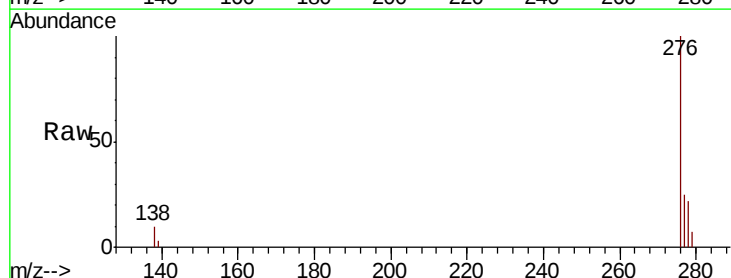
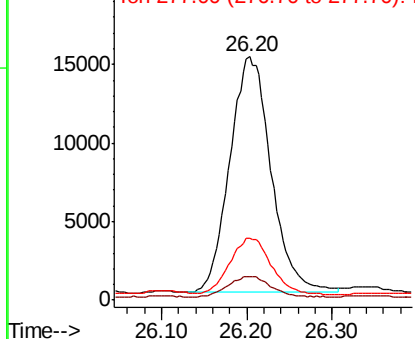
Delta R.T. -0.01 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Tgt Ion:	276	Resp:	50528
Ion Ratio	Lower	Upper	
276	100		
138	8.9	9.4	14.0#
277	23.9	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





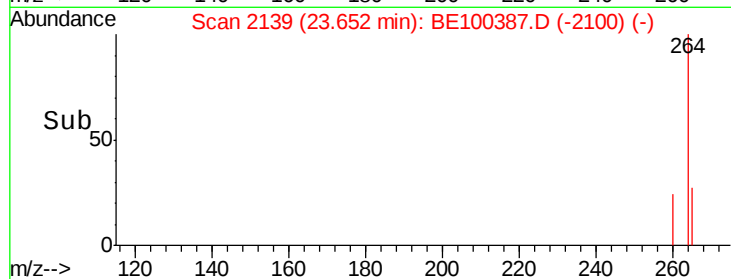
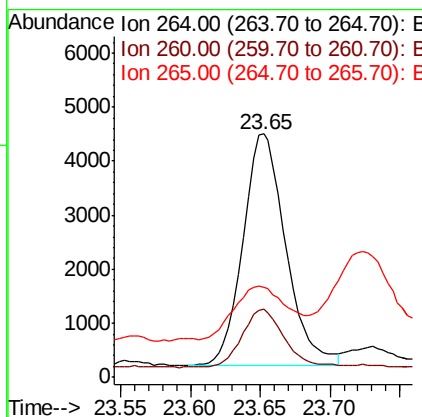
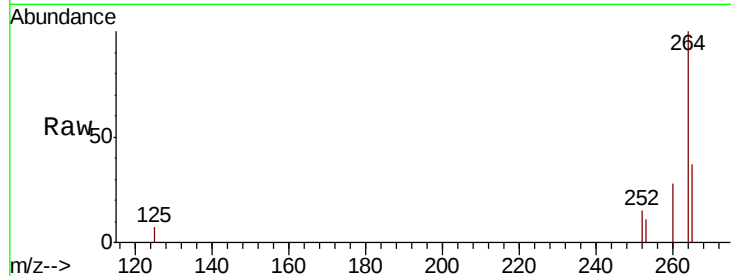
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Instrument :
 BNA_E
 ClientSampleId :
 PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.8	31.2
265	37.2	21.8	32.6

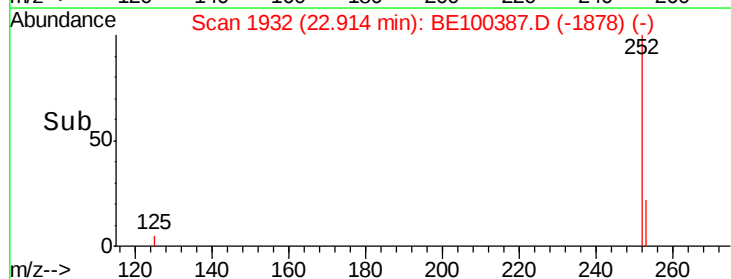
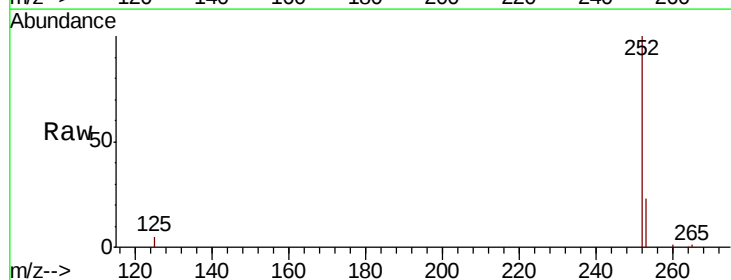
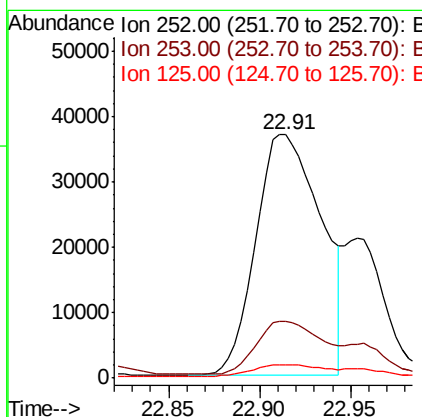
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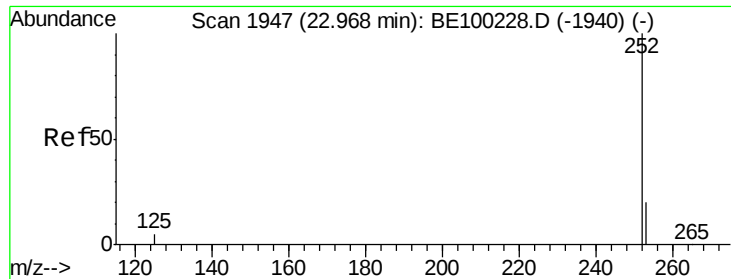
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#35
 Benzo(b)fluoranthene
 Concen: 3.721 ng
 RT: 22.91 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BE100387.D
 Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	5.3	7.4	11.0





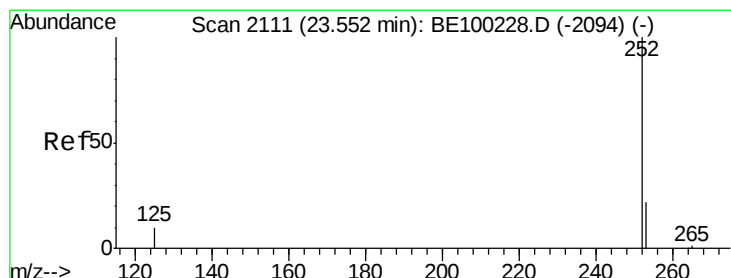
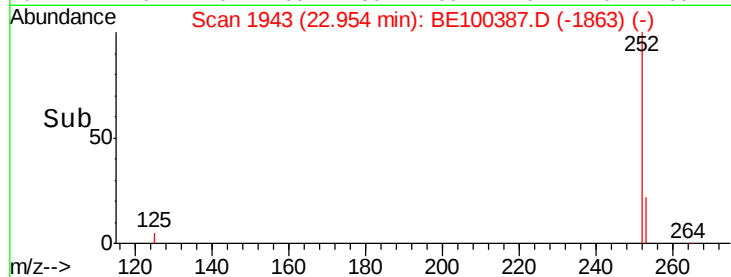
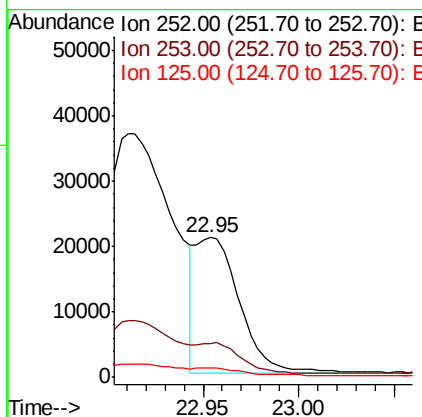
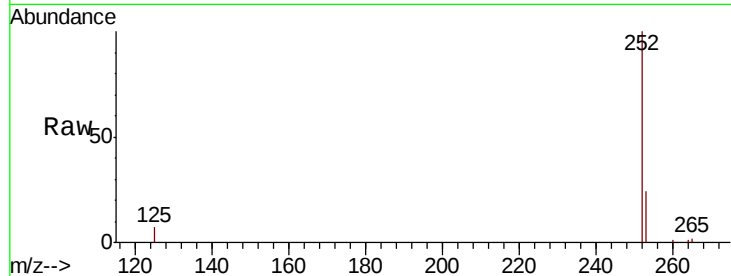
#36
Benzo(k)fluoranthene
Concen: 1.218 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Instrument :
BNA_E
ClientSampleId :
PST-015-SW109-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	6.6	5.0	7.4

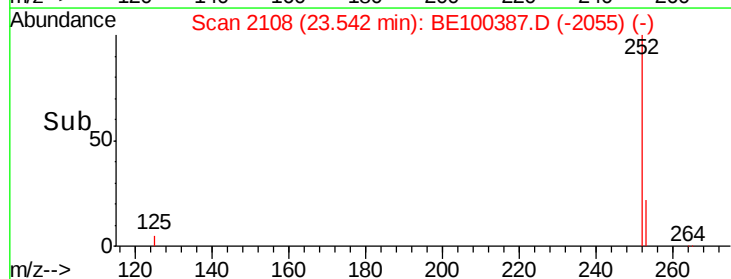
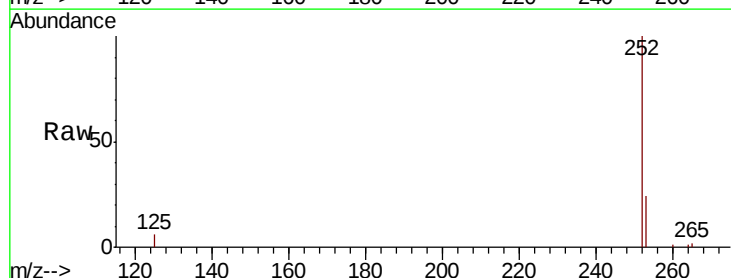
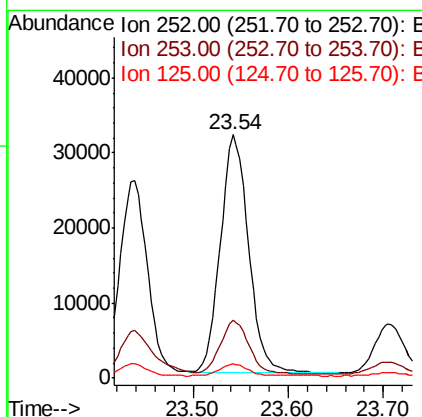
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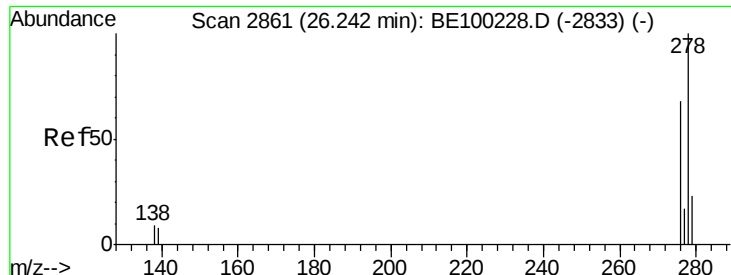
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#37
Benzo(a)pyrene
Concen: 2.650 ng
RT: 23.54 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE100387.D
Acq: 5 Jul 2019 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.6	29.4
125	5.7	9.0	13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.477 ng

RT: 26.21 min Scan# 2853

Delta R.T. -0.03 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Instrument :

BNA_E

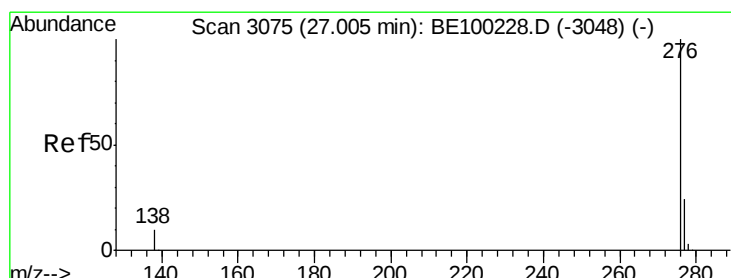
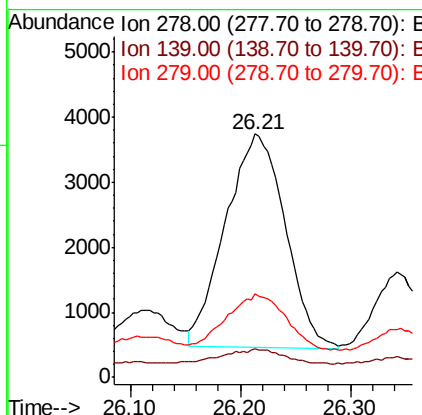
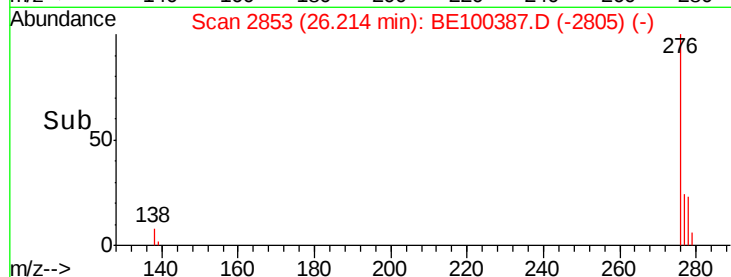
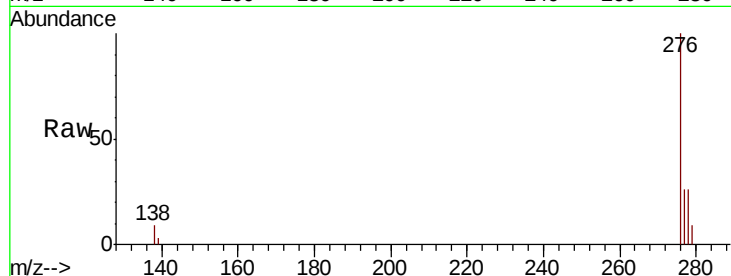
ClientSampleId :

PST-015-SW109-062519

Tot Ion:	278	Resp:	12328
Ion Ratio	Lower	Upper	
278	100		
139	11.6	8.2	12.2
279	34.4	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:14:01 PM



#39

Benzo(g,h,i)perylene

Concen: 2.094 ng

RT: 26.99 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BE100387.D

Acq: 5 Jul 2019 18:34

Tgt Ion:	276	Resp:	55540
Ion Ratio	Lower	Upper	
276	100		
277	25.2	20.2	30.2
138	10.0	9.0	13.6

