

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100381.D
 Acq On : 5 Jul 2019 14:56
 Operator : JU/SJ
 Sample : K3561-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519-1

Manual Integrations
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 7/8/2019 2:13:47 PM

Quant Time: Jul 06 00:31:47 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	638	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2182	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1801	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5475	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	7486	0.40	ng	-0.01
34) Perylene-d12	23.65	264	9371	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	395	0.24	ng	-0.01
5) Phenol-d6	6.83	99	468	0.22	ng	-0.01
8) Nitrobenzene-d5	8.80	82	375	0.17	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	744	0.18	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	329	0.26	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	1218	0.17	ng	-0.03
25) Fluoranthene-d10	19.08	212	11347	0.14	ng	-0.02
29) Terphenyl-d14	19.68	244	2564	0.17	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	5095	0.212	ng	# 97
12) 2-Methylnaphthalene	12.09	142	1119	0.265	ng	92
16) Acenaphthylene	14.02	152	8446	0.977	ng	98
17) Acenaphthene	14.36	154	1179	0.241	ng	# 90
18) Fluorene	15.34	166	4327	0.597	ng	# 92
23) Phenanthrene	17.08	178	119403	8.998	ng	100
24) Anthracene	17.17	178	7534	0.630	ng	99
26) Fluoranthene	19.11	202	216405	10.239	ng	98
28) Pyrene	19.48	202	274337	13.842	ng	96
30) Benzo(a)anthracene	21.22	228	140064m	5.690	ng	
31) Chrysene	21.27	228	174792	7.072	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	148350	4.207	ng	100
33) Indeno(1,2,3-cd)pyrene	26.20	276	89599	2.741	ng	# 97
35) Benzo(b)fluoranthene	22.91	252	167365	6.587	ng	# 95
36) Benzo(k)fluoranthene	22.95	252	58316m	2.056	ng	
37) Benzo(a)pyrene	23.54	252	129410	5.082	ng	# 93
38) Dibenzo(a,h)anthracene	26.21	278	24299	0.914	ng	# 91
39) Benzo(a,h,i)perylene	26.99	276	98502	3.605	ng	98

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



#1

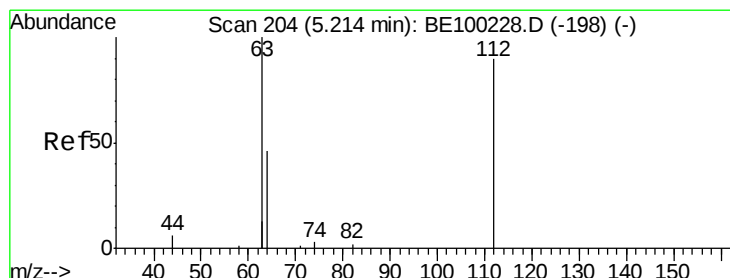
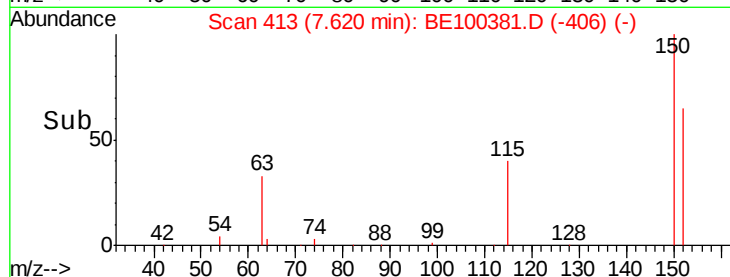
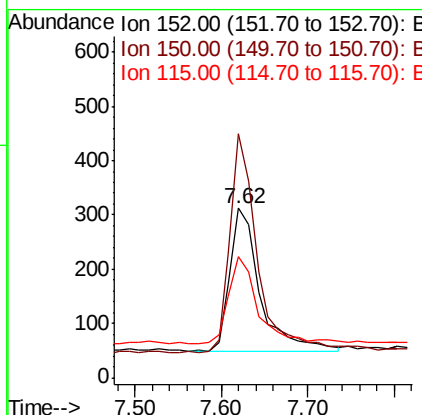
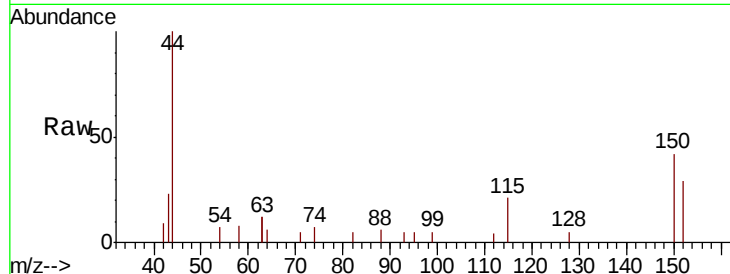
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.9	114.5	171.7
115	71.5	57.1	85.7

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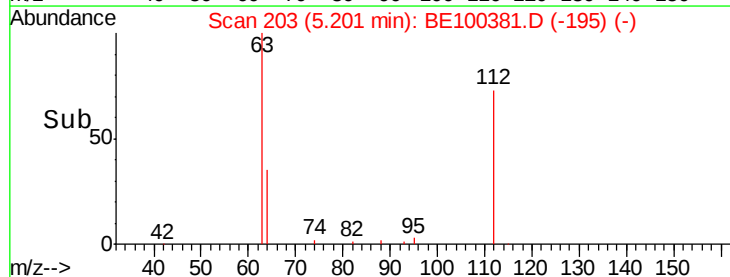
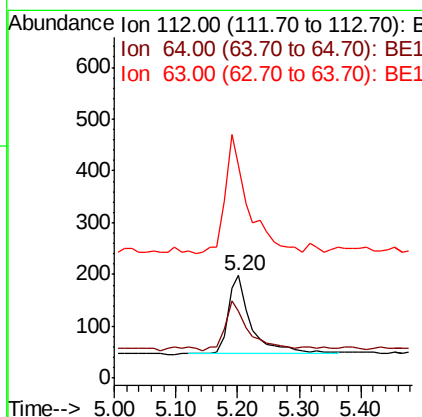
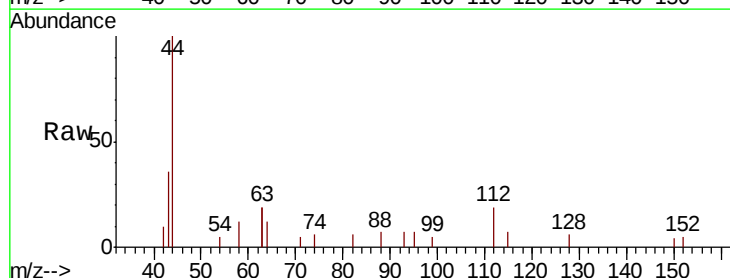
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#4

2-Fluorophenol
Concen: 0.243 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	39.4	59.0#
63	151.1	104.5	156.7





#5

Phenol-d6

Concen: 0.219 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Instrument :

BNA_E

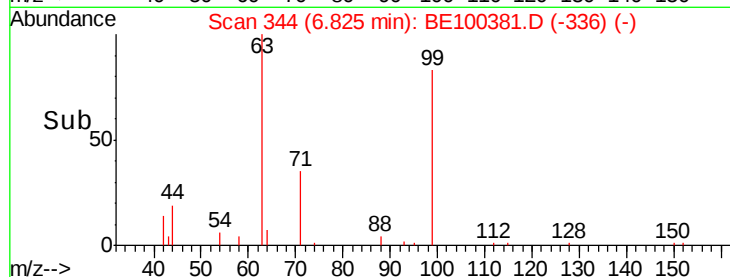
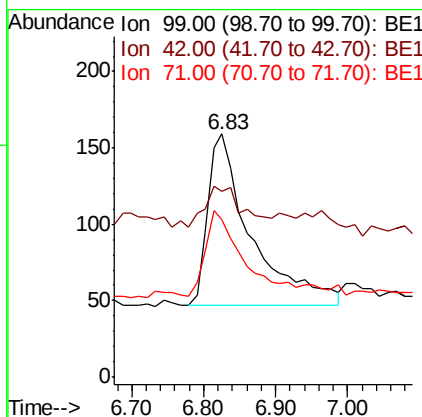
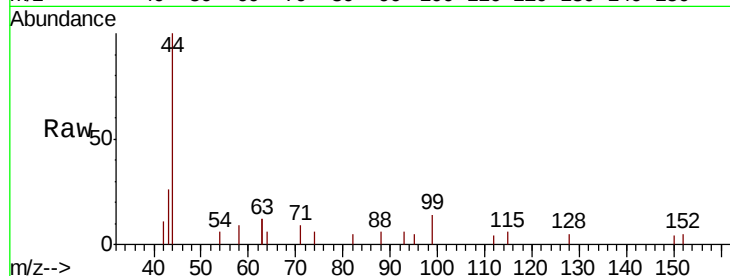
ClientSampleId :

PST-016-SW117-062519-1

Tot Ion:	99	Resp:	468
Ion	Ratio	Lower	Upper
99	100		
42	20.7	11.2	16.8#
71	44.7	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

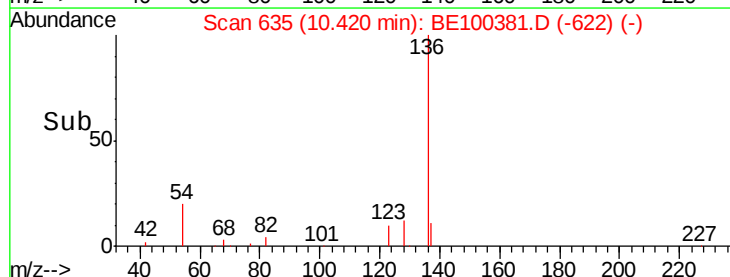
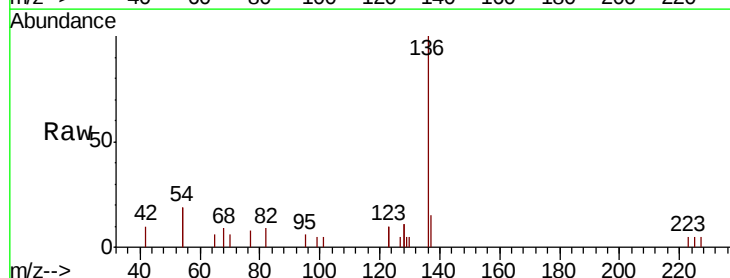
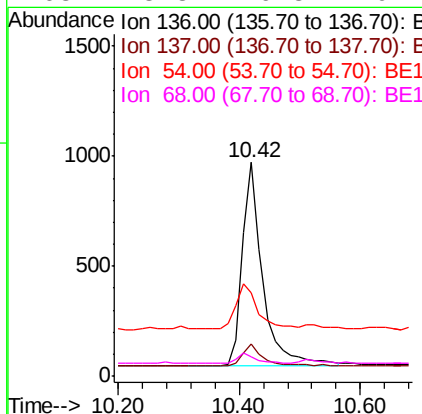
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Tgt Ion:	136	Resp:	2182
Ion	Ratio	Lower	Upper
136	100		
137	15.1	11.8	17.8
54	38.7	27.7	41.5
68	8.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.173 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Instrument :

BNA_E

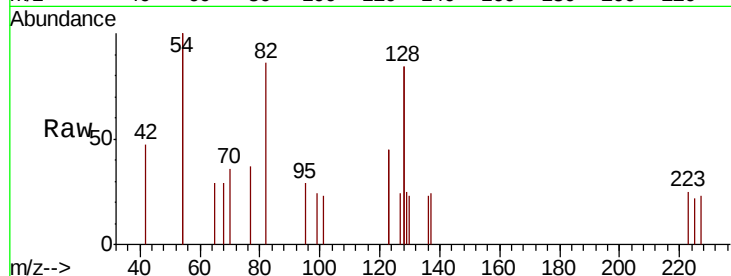
ClientSampleId :

PST-016-SW117-062519-1

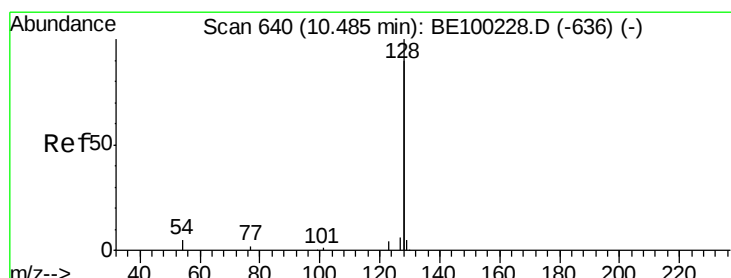
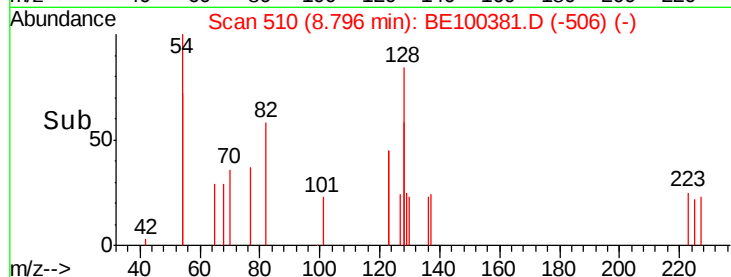
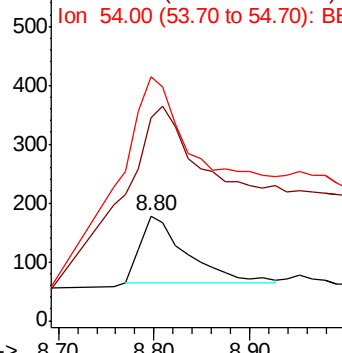
Tot Ion:	82	Resp:	375
Ion	Ratio	Lower	Upper
82	100		
128	194.4	140.9	211.3
54	232.6	146.2	219.2#

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



#9

Naphthalene

Concen: 0.212 ng

RT: 10.47 min Scan# 639

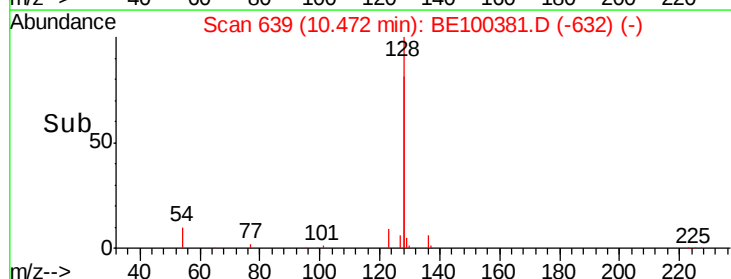
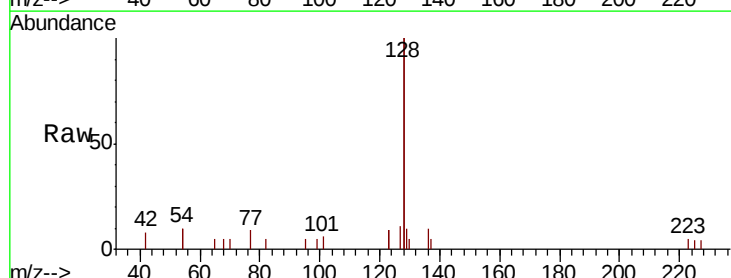
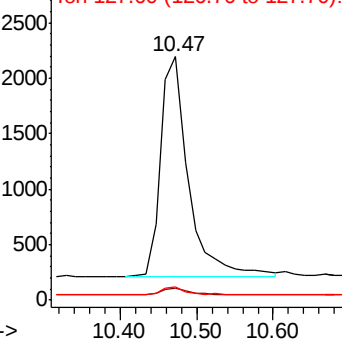
Delta R.T. -0.01 min

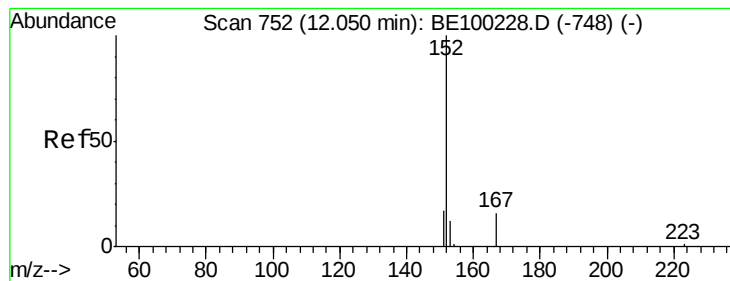
Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Tgt Ion:	128	Resp:	5095
Ion	Ratio	Lower	Upper
128	100		
129	4.8	3.0	4.6#
127	5.4	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





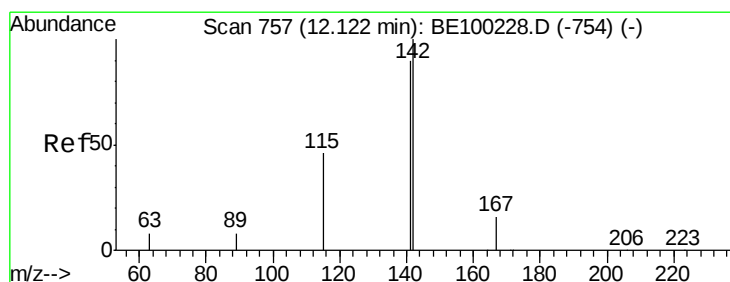
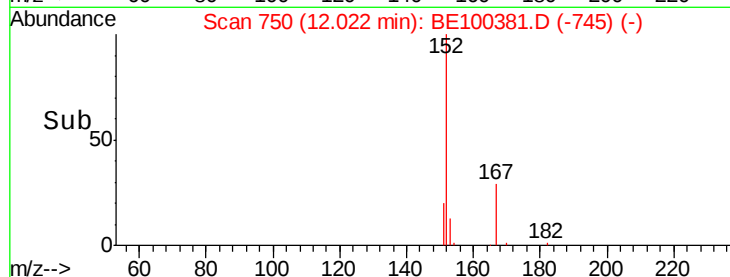
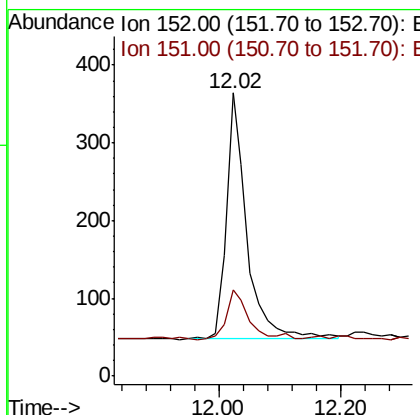
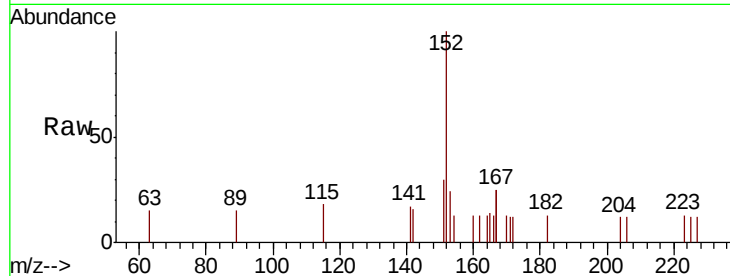
#11
2-Methylnaphthalene-d10
Concen: 0.181 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion:152 Resp: 744
Ion Ratio Lower Upper
152 100
151 22.7 15.1 22.7#

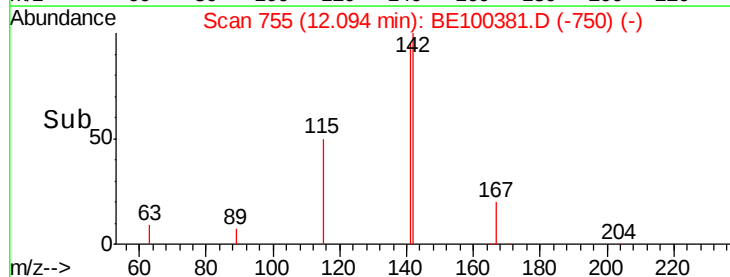
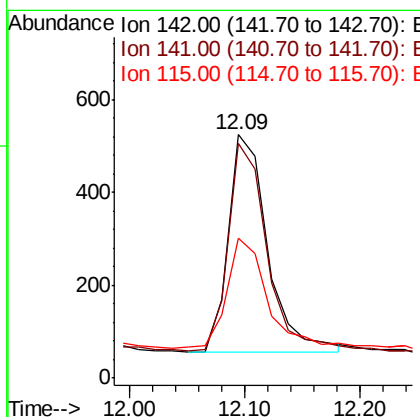
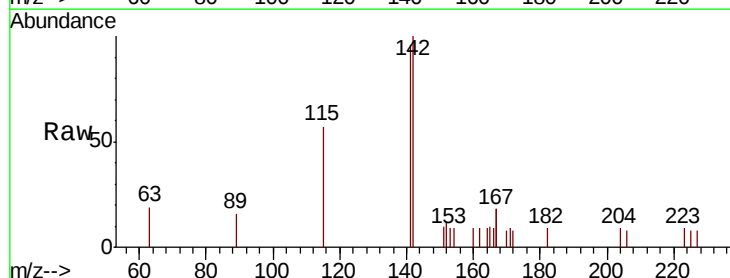
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#12
2-Methylnaphthalene
Concen: 0.265 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion:142 Resp: 1119
Ion Ratio Lower Upper
142 100
141 96.4 72.4 108.6
115 57.4 40.4 60.6





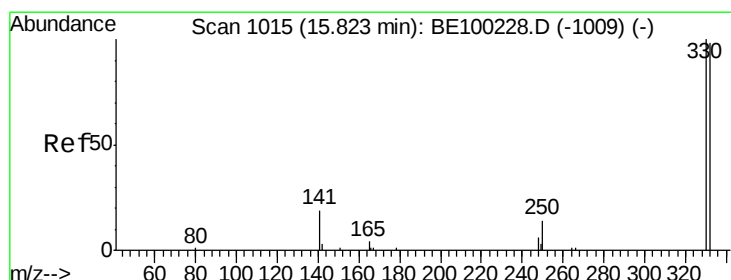
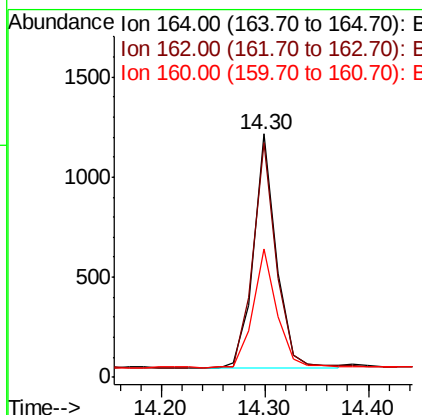
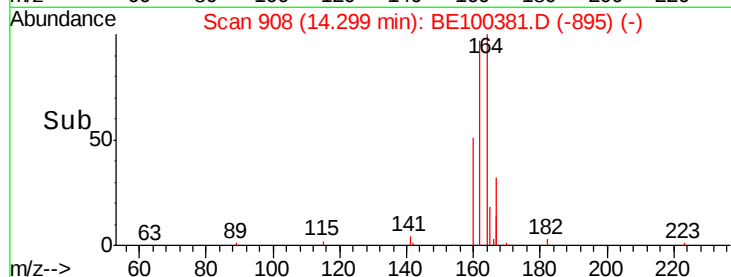
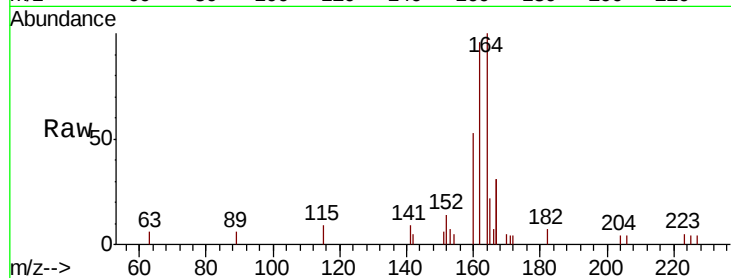
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.3	83.4	125.0
160	52.9	45.0	67.6

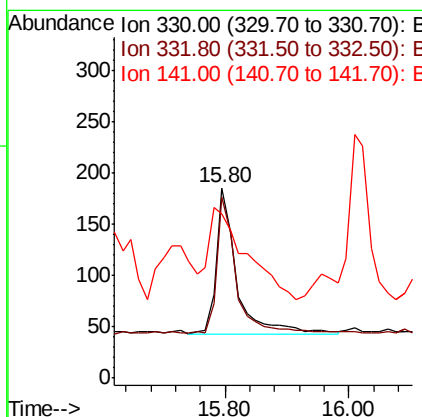
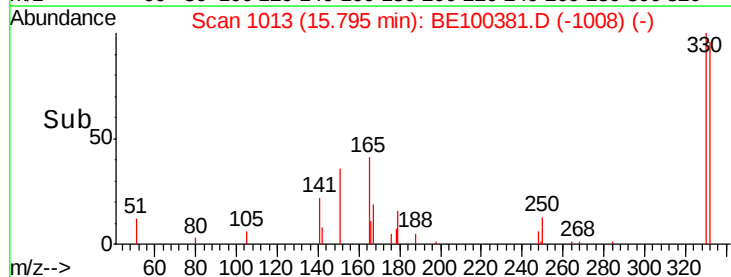
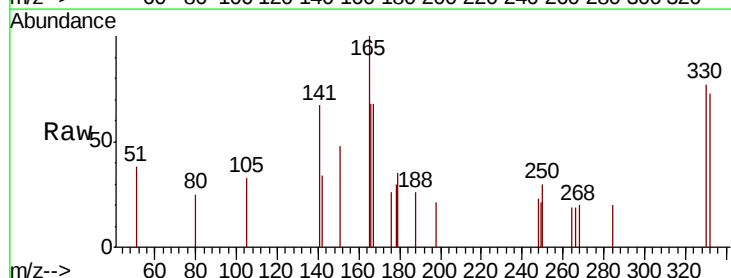
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#14
2,4,6-Tribromophenol
Concen: 0.261 ng
RT: 15.80 min Scan# 1013
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	85.4	77.0	115.4
141	114.6	22.0	33.0#





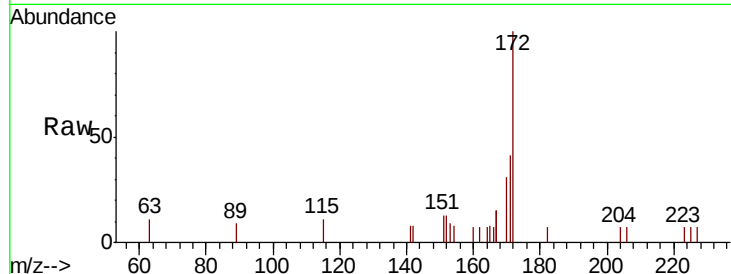
#15
2-Fluorobiphenyl
Concen: 0.174 ng
RT: 12.92 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.6	31.9	47.9
170	31.1	22.2	33.2

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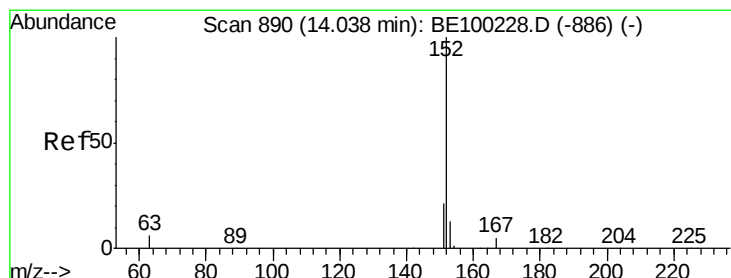
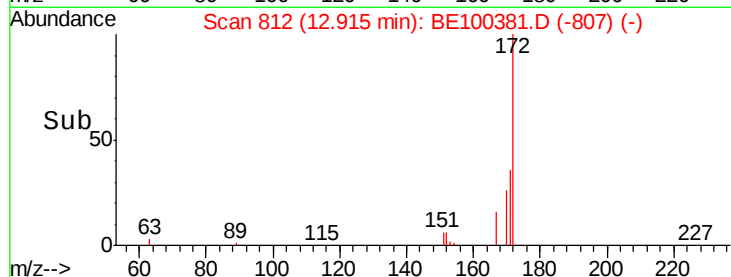
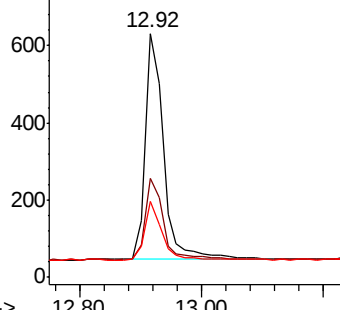


Abundance

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: 0.977 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

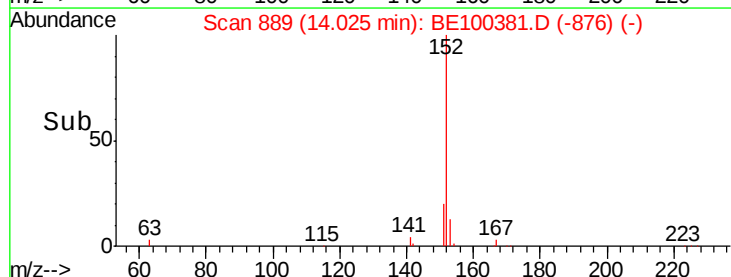
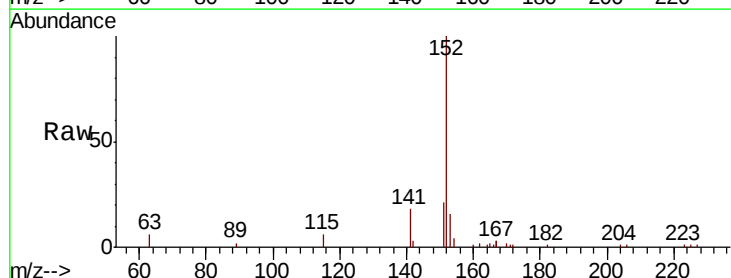
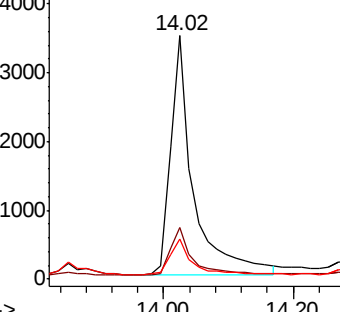
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	14.4	10.5	15.7

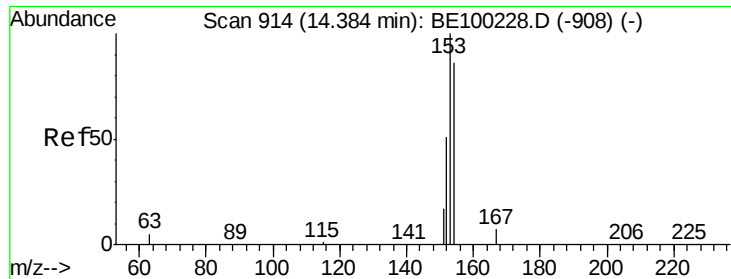
Abundance

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





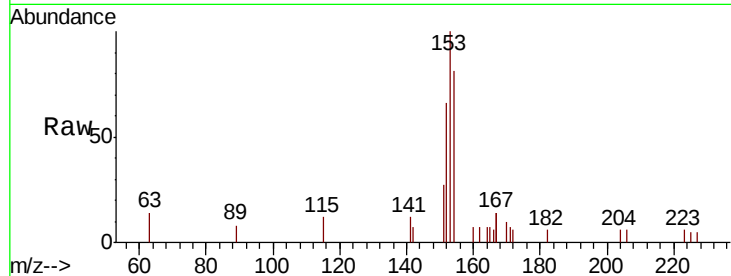
#17
Acenaphthene
Concen: 0.241 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.4	93.4	140.2
152	74.4	49.4	74.2#

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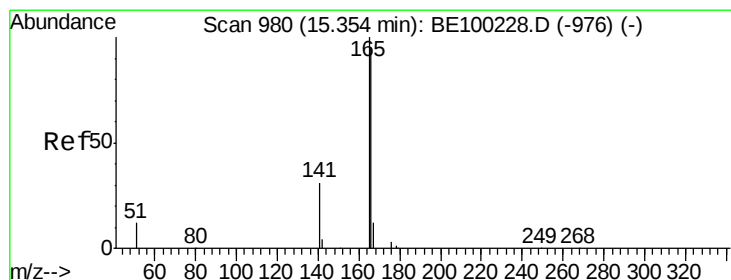
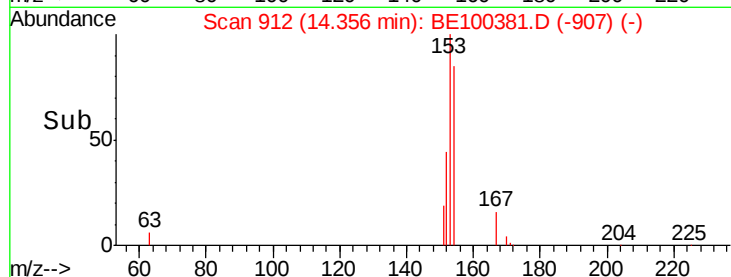
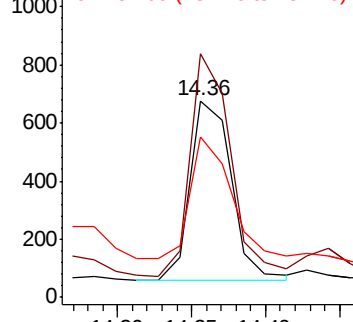


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.597 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

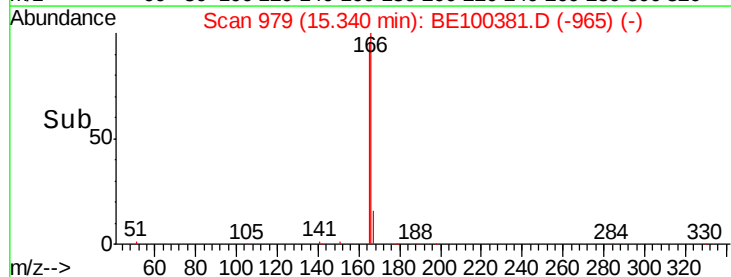
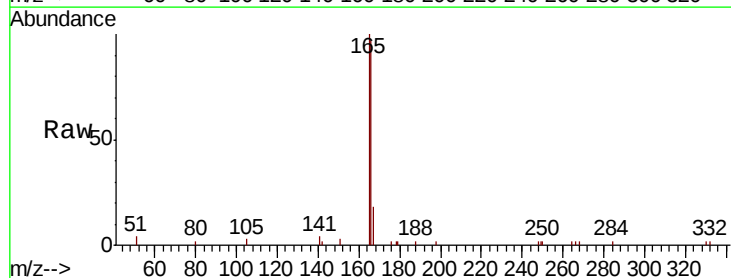
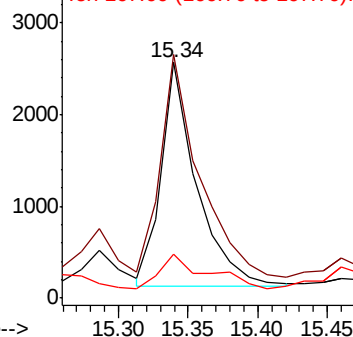
Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.8	81.1	121.7
167	20.3	10.7	16.1#

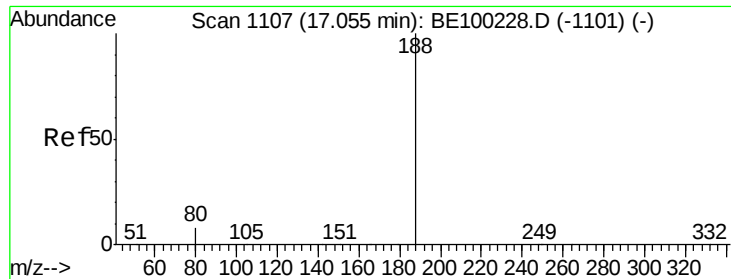
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





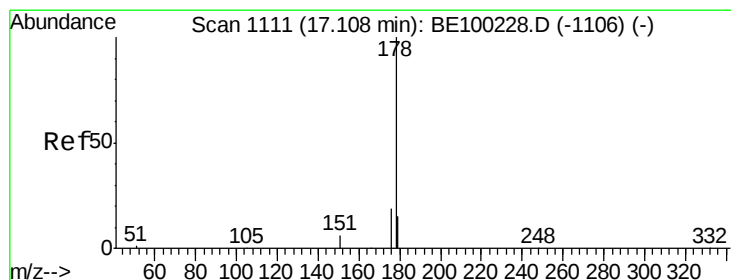
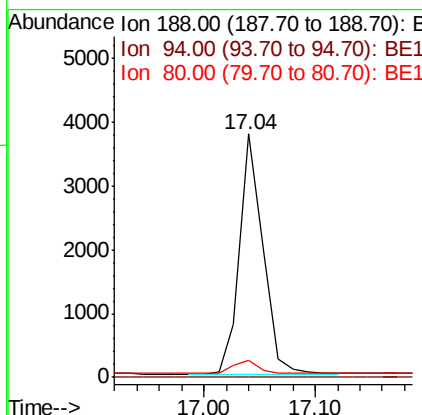
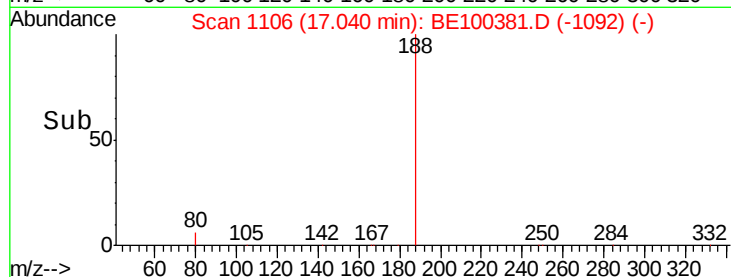
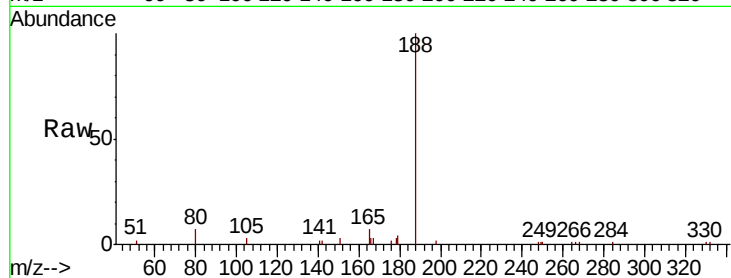
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5475		
94	0.0	0.0	0.0	
80	7.2	7.6	11.4	

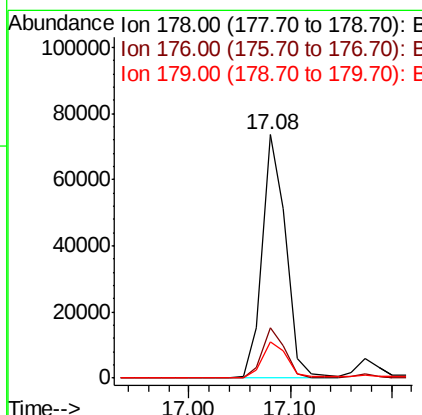
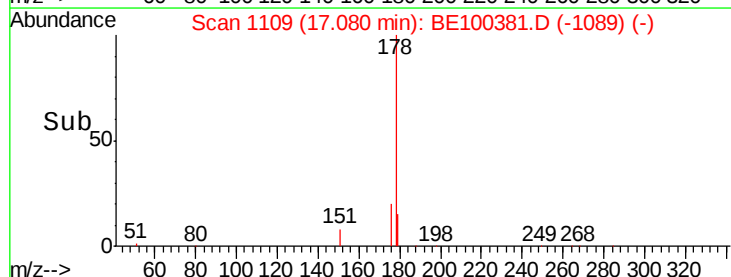
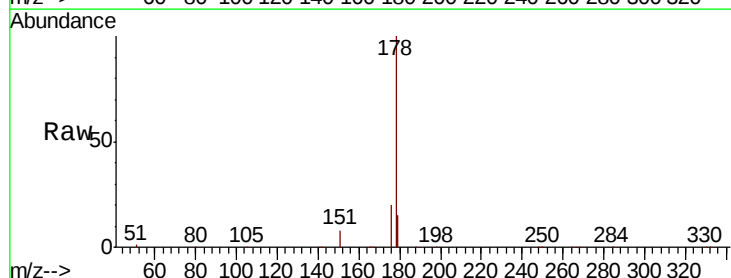
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#23
Phenanthrene
Concen: 8.998 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	119403		
176	19.9	15.9	23.9	
179	15.6	12.2	18.2	





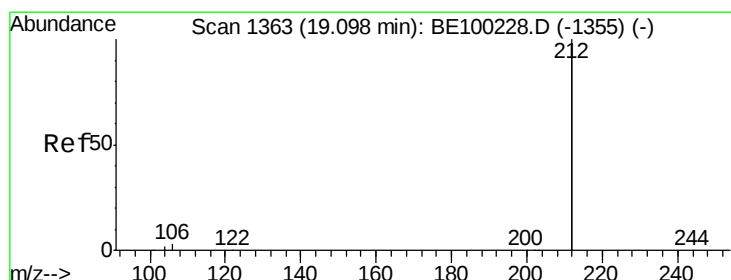
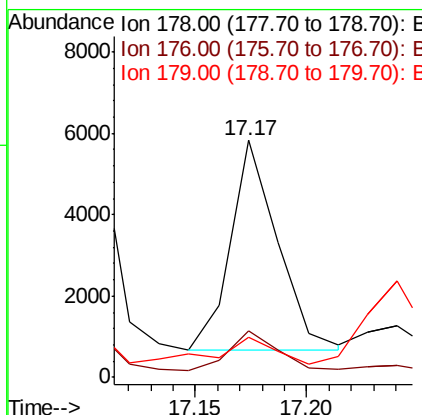
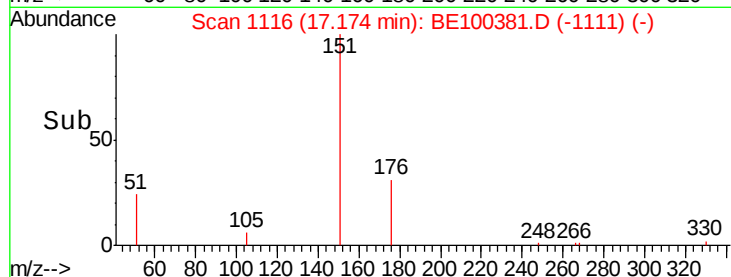
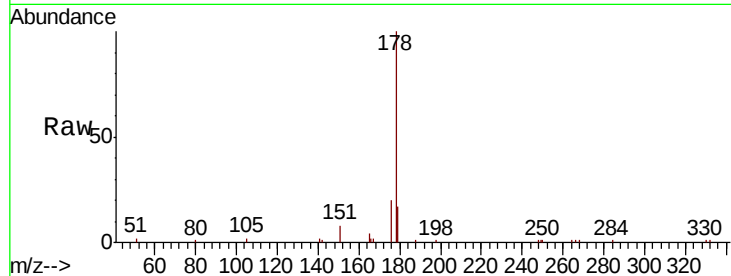
#24
 Anthracene
 Concen: 0.630 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100381.D
 Acq: 5 Jul 2019 14:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	14.6	12.2	18.2

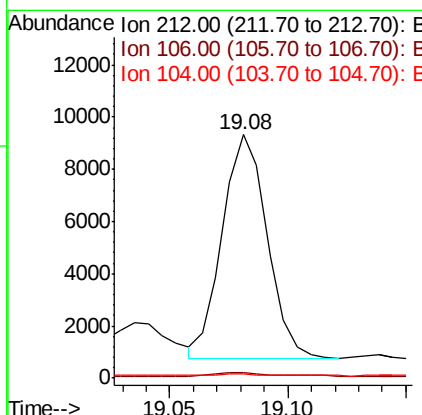
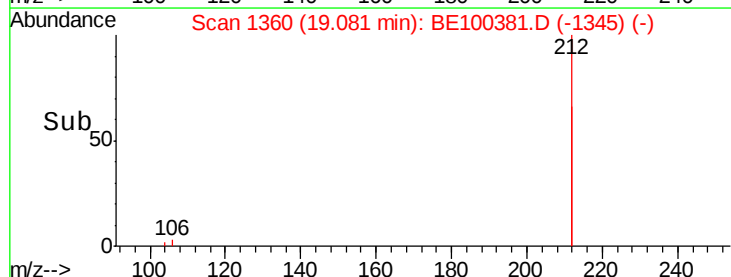
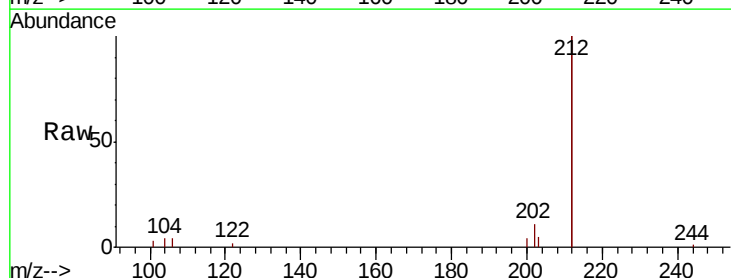
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#25
 Fluoranthene-d10
 Concen: 0.143 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100381.D
 Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.1	0.8	1.2





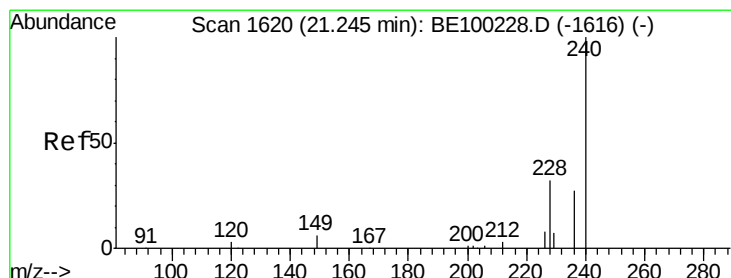
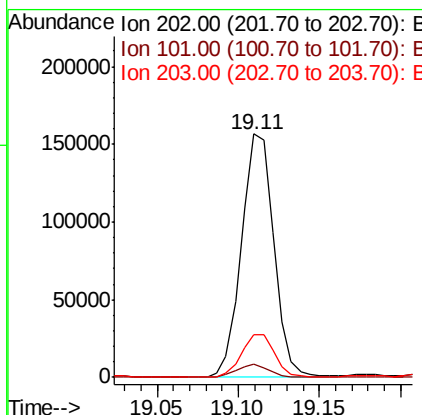
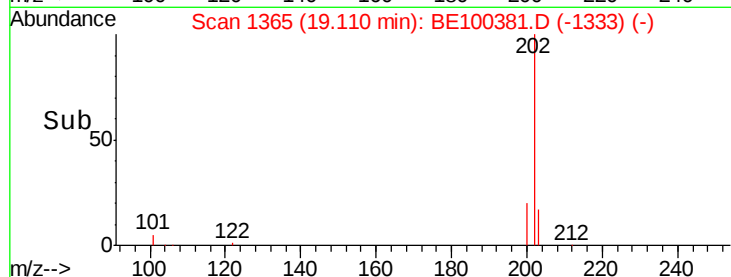
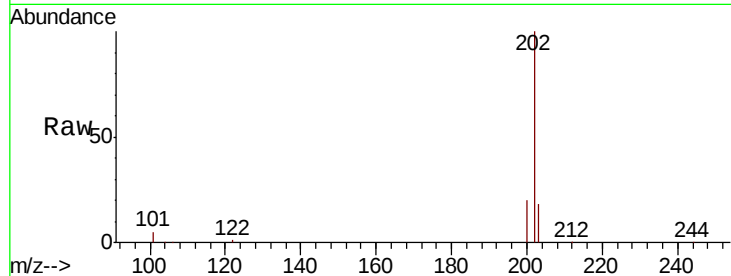
#26
 Fluoranthene
 Concen: 10.239 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100381.D
 Acq: 5 Jul 2019 14:56

Instrument :
 BNA_E
 ClientSampleId :
 PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.0	4.6	7.0
203	17.8	13.7	20.5

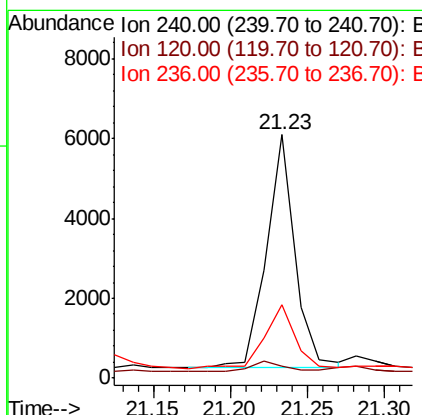
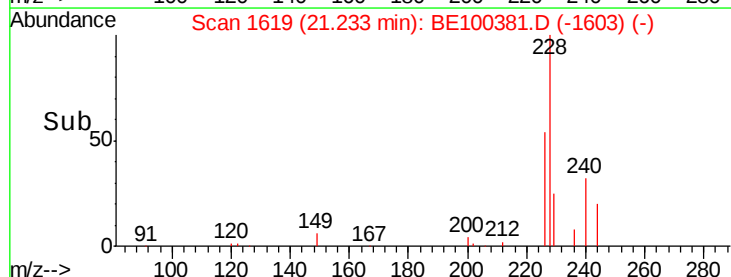
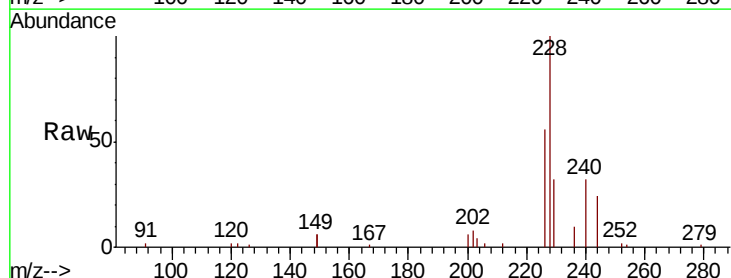
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100381.D
 Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.3	4.9
236	30.0	22.6	34.0





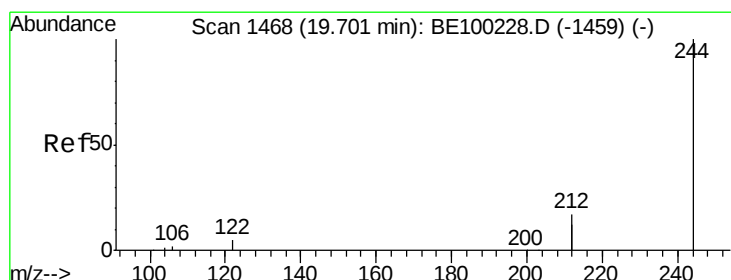
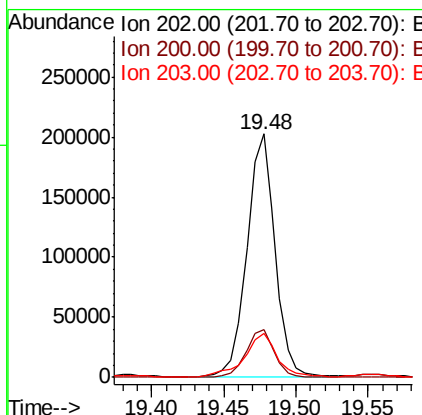
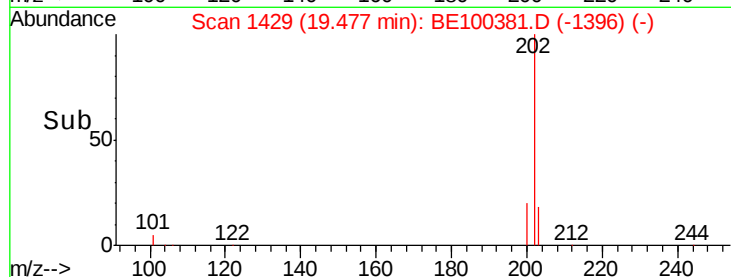
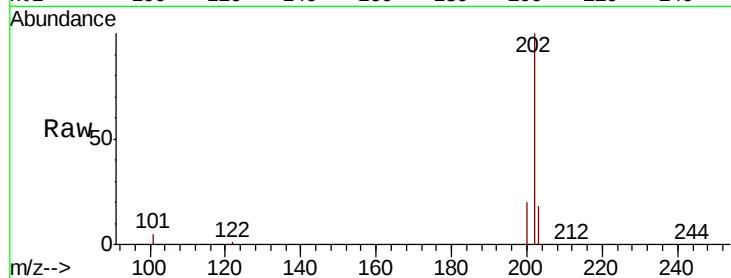
#28
Pvrene
Concen: 13.842 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.9	15.6	23.4	
203	20.7	14.0	21.0	

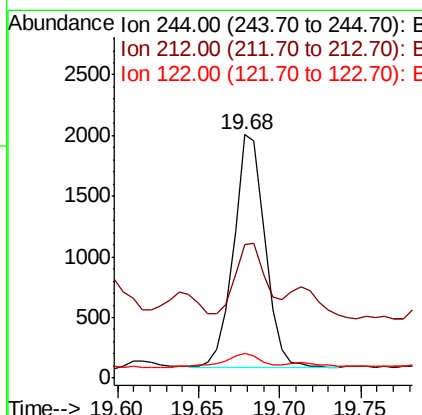
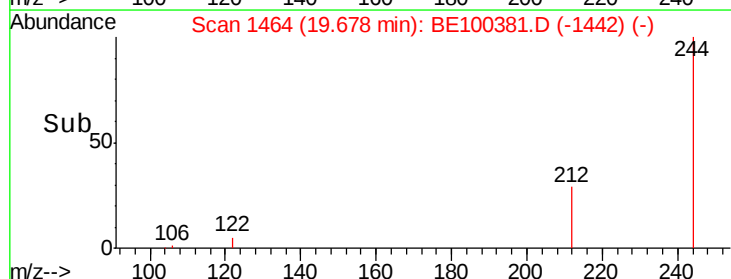
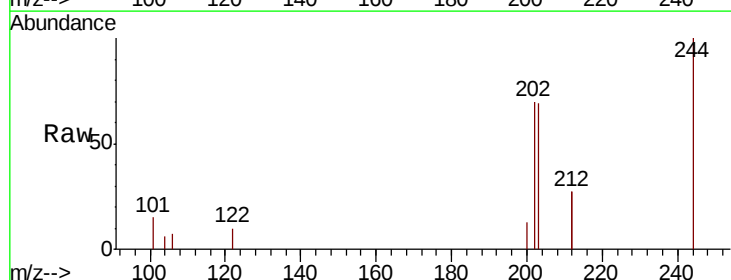
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#29
Terphenyl-d14
Concen: 0.165 ng
RT: 19.68 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	54.8	27.3	40.9#	
122	10.4	4.7	7.1#	





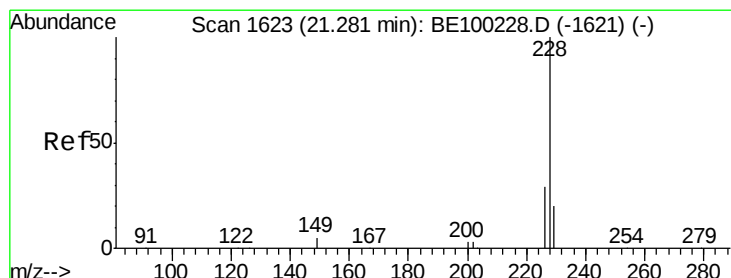
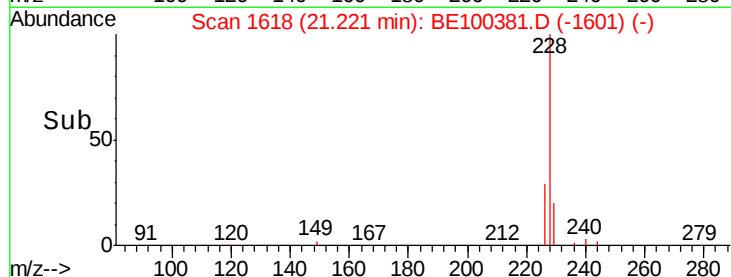
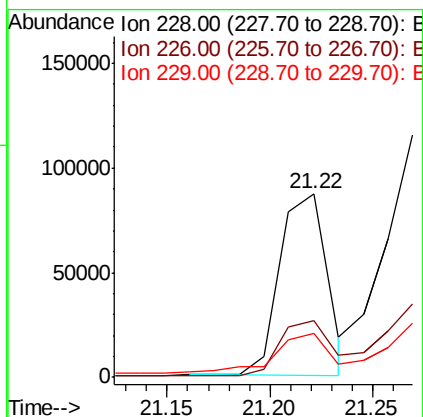
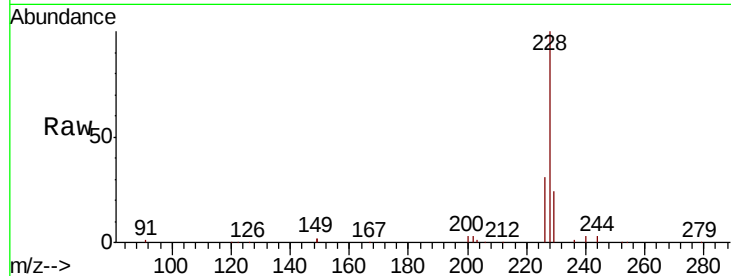
#30
Benzo(a)anthracene
Concen: 5.690 ng m
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.2	34.8
229	23.6	15.7	23.5

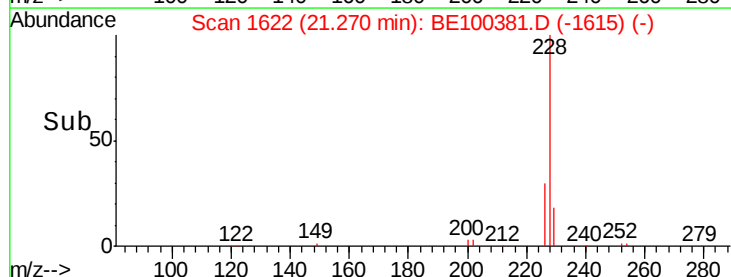
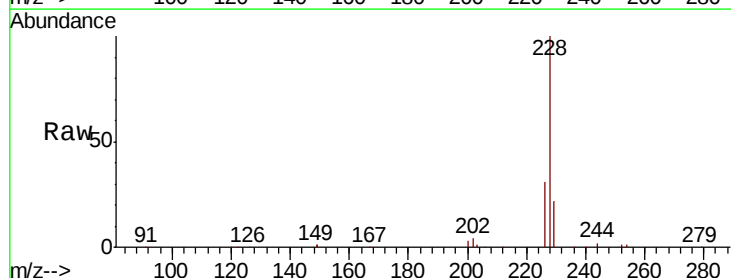
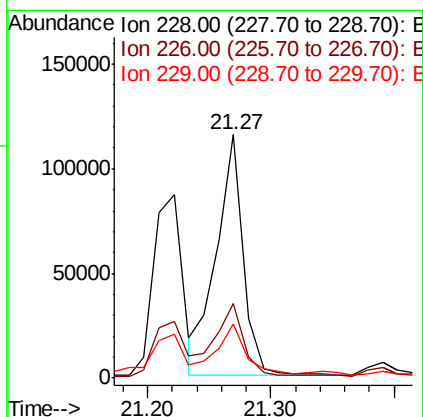
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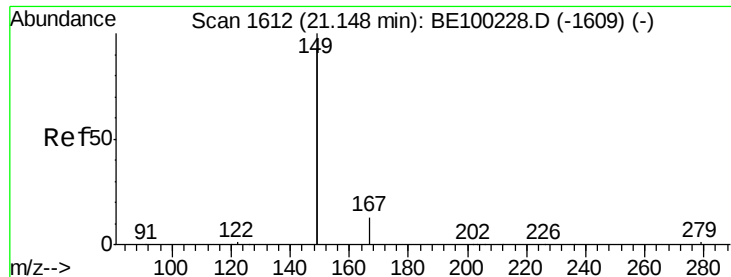
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#31
Chrysene
Concen: 7.072 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	22.2	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 4.207 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Instrument :

BNA_E

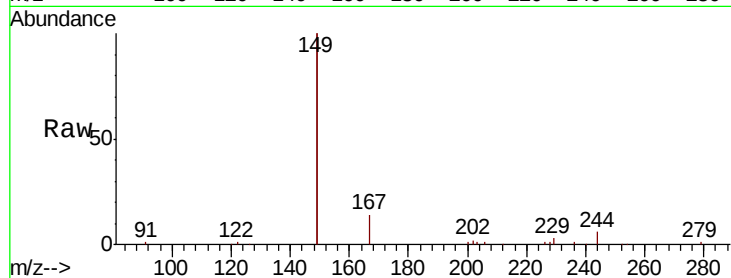
ClientSampleId :

PST-016-SW117-062519-1

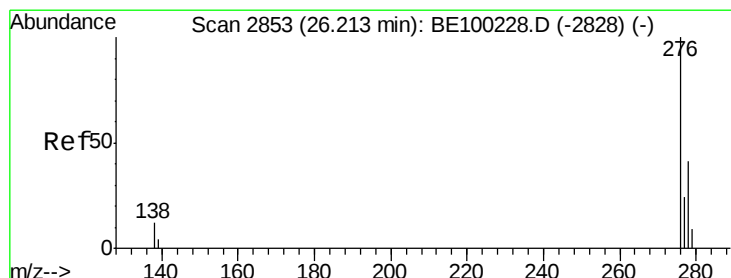
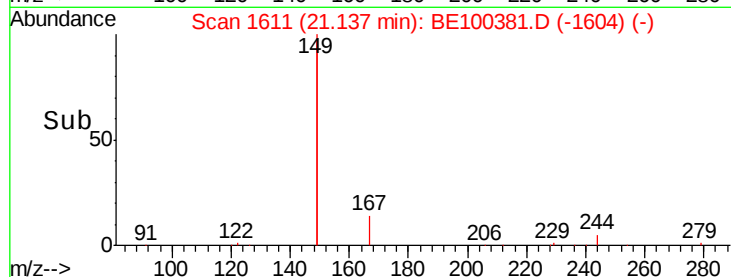
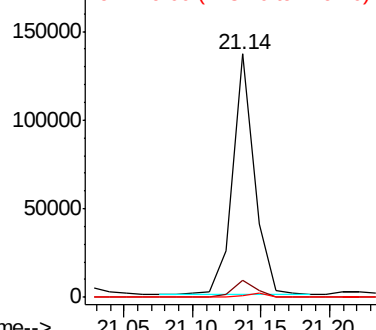
Tot Ion:	149	Resp:	148350
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.8	8.8
279	1.4	1.1	1.7

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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: 2.741 ng

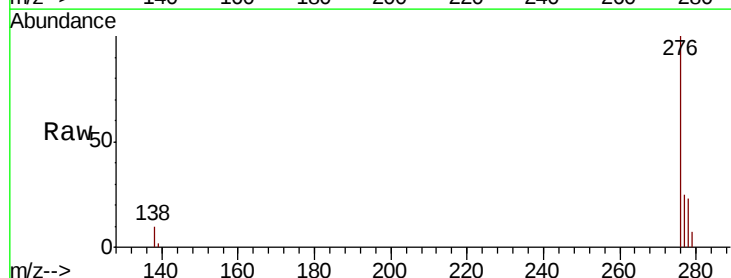
RT: 26.20 min Scan# 2850

Delta R.T. -0.01 min

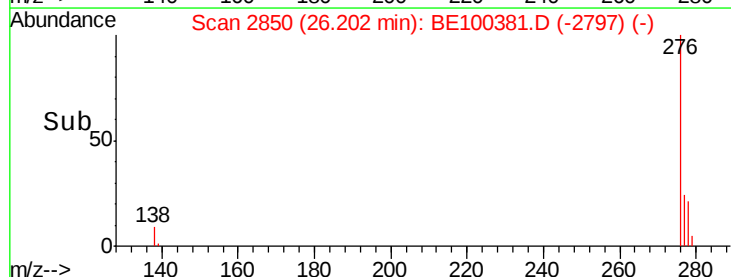
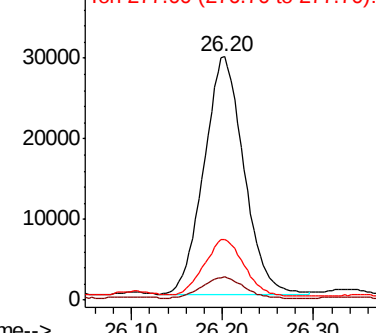
Lab File: BE100381.D

Acq: 5 Jul 2019 14:56

Tgt Ion:	276	Resp:	89599
Ion Ratio	Lower	Upper	
276	100		
138	9.0	9.4	14.0#
277	24.3	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





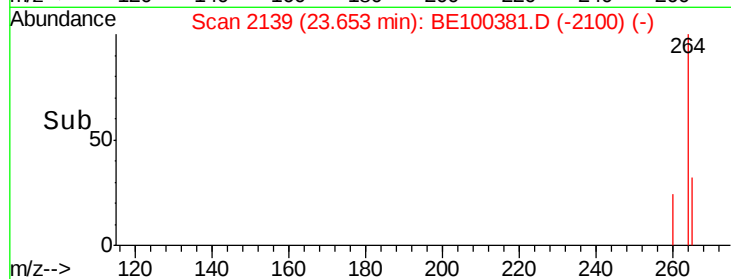
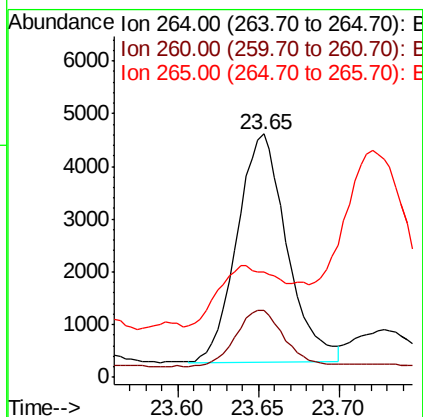
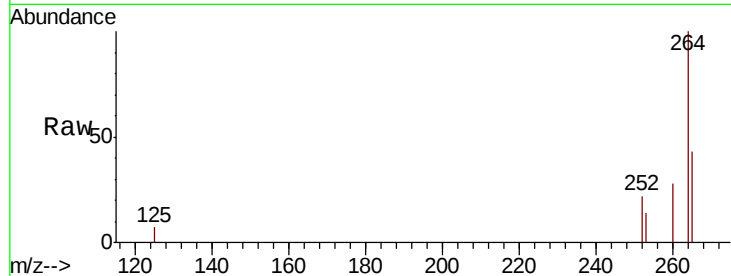
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.5	20.8	31.2
265	43.3	21.8	32.6

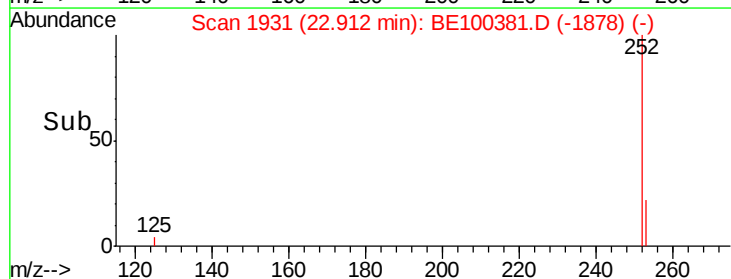
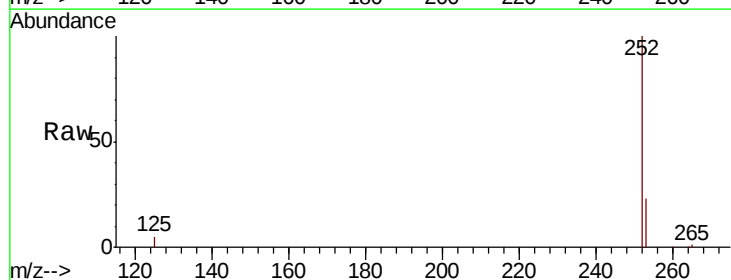
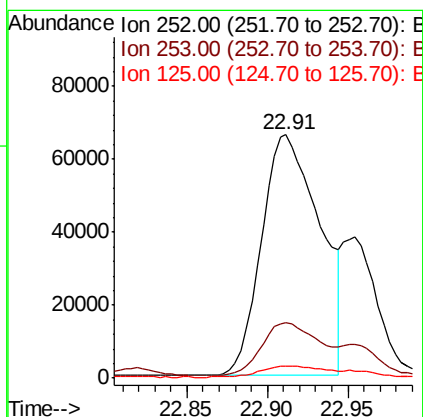
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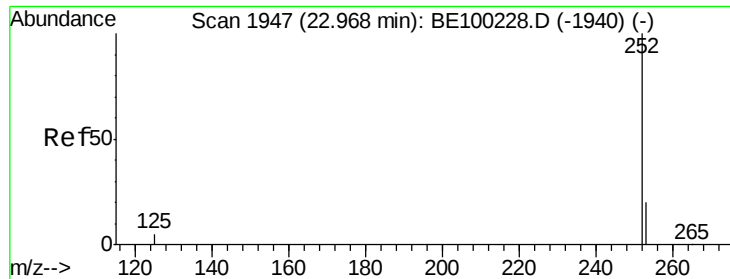
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#35
Benzo(b)fluoranthene
Concen: 6.587 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	4.9	7.4	11.0





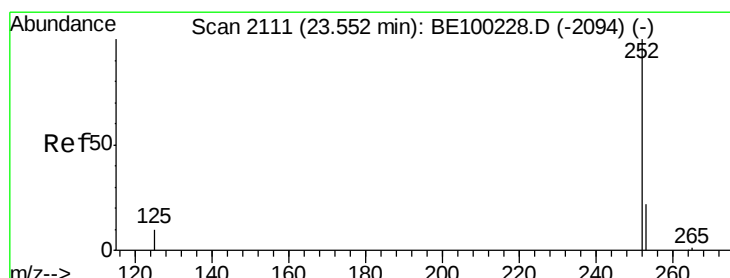
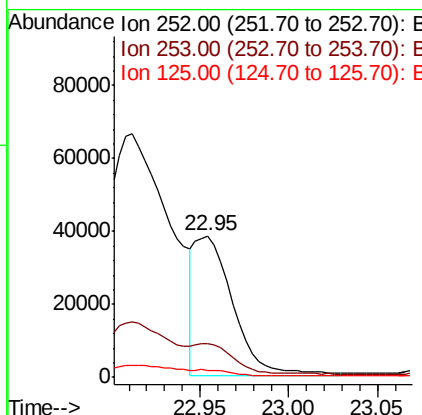
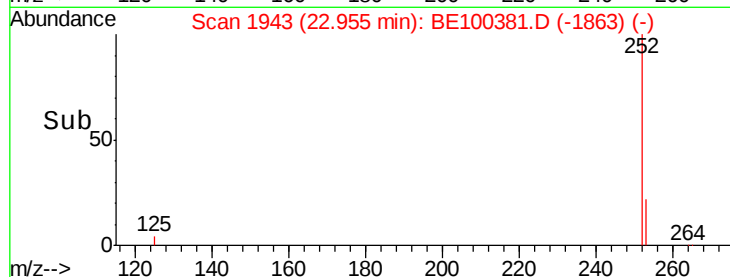
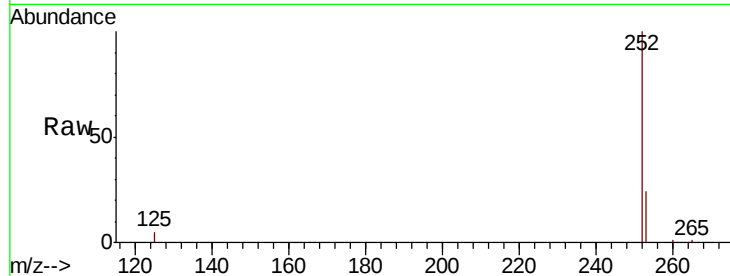
#36
Benzo(k)fluoranthene
Concen: 2.056 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	5.1	5.0	7.4

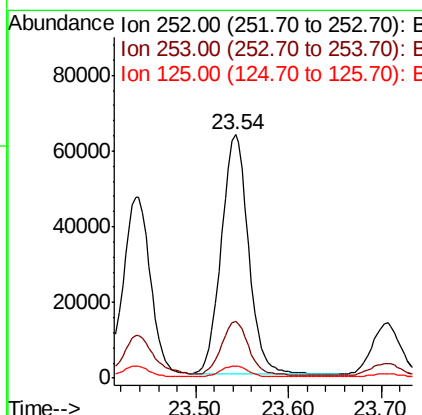
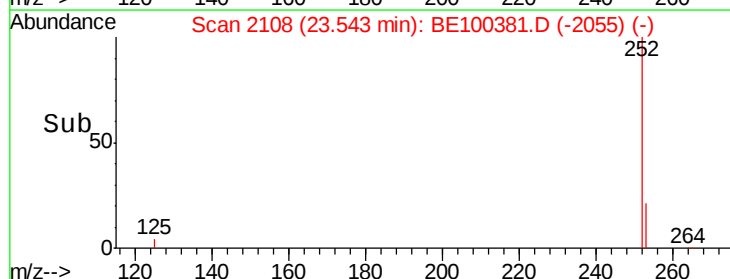
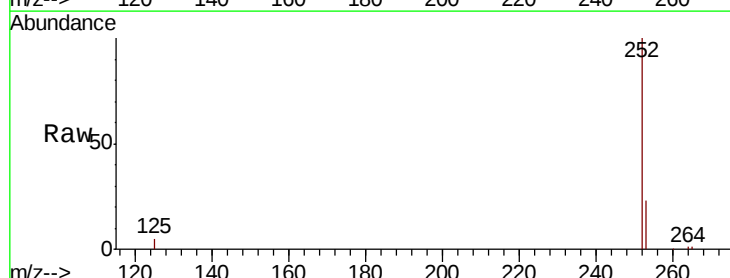
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#37
Benzo(a)pyrene
Concen: 5.082 ng
RT: 23.54 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.6	29.4
125	4.9	9.0	13.6





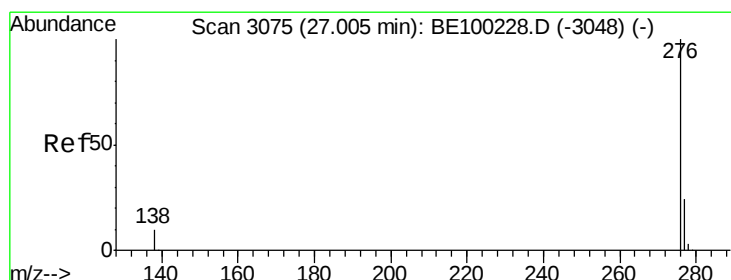
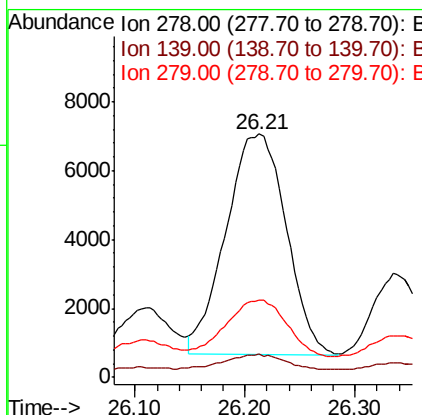
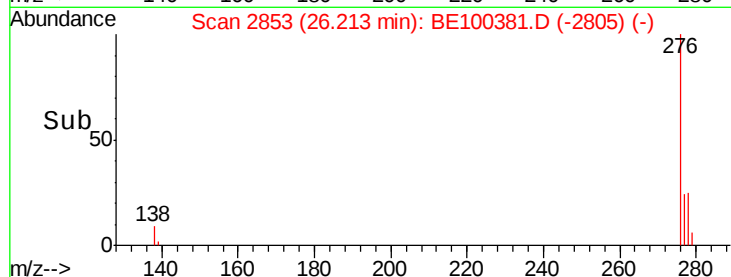
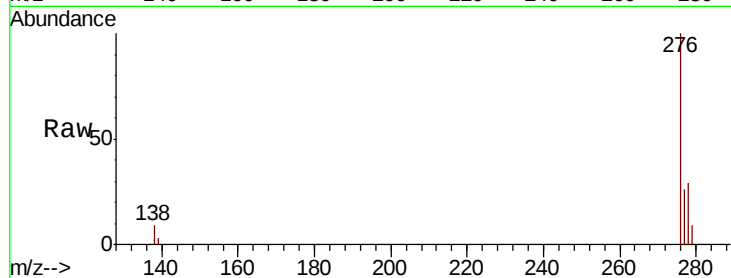
#38
Dibenzo(a,h)anthracene
Concen: 0.914 ng
RT: 26.21 min Scan# 2853
Delta R.T. -0.03 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Instrument :
BNA_E
ClientSampleId :
PST-016-SW117-062519-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.5	8.2	12.2
279	31.5	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 3.605 ng
RT: 26.99 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BE100381.D
Acq: 5 Jul 2019 14:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	9.6	9.0	13.6

