

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100385.D
 Acq On : 5 Jul 2019 17:22
 Operator : JU/SJ
 Sample : K3560-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B221-062419

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:13:58 PM

Quant Time: Jul 06 00:43:17 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	740	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2482	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1929	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5915	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	7709	0.40	ng	-0.01
34) Perylene-d12	23.65	264	9744	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.19	112	585	0.31	ng	-0.02
5) Phenol-d6	6.81	99	740	0.30	ng	-0.02
8) Nitrobenzene-d5	8.80	82	480	0.19	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1390	0.30	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	468	0.35	ng	-0.03
15) 2-Fluorobiphenyl	12.91	172	2140	0.28	ng	-0.03
25) Fluoranthene-d10	19.08	212	22007	0.26	ng	-0.02
29) Terphenyl-d14	19.68	244	4738	0.30	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	1815	0.066	ng	# 90
12) 2-Methylnaphthalene	12.09	142	354	0.074	ng	# 85
16) Acenaphthylene	14.02	152	1319	0.142	ng	# 96
17) Acenaphthene	14.37	154	145	0.028	ng	# 85
18) Fluorene	15.34	166	492	0.063	ng	# 78
23) Phenanthrene	17.08	178	14874	1.038	ng	100
24) Anthracene	17.17	178	749	0.058	ng	# 92
26) Fluoranthene	19.11	202	25312	1.108	ng	99
28) Pyrene	19.48	202	37720	1.848	ng	97
30) Benzo(a)anthracene	21.22	228	18757	0.740	ng	# 80
31) Chrysene	21.27	228	26424	1.038	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.14	149	10795	0.244	ng	100
33) Indeno(1,2,3-cd)pyrene	26.20	276	12265	0.364	ng	# 98
35) Benzo(b)fluoranthene	22.91	252	23091	0.874	ng	97
36) Benzo(k)fluoranthene	22.95	252	7815m	0.265	ng	
37) Benzo(a)pyrene	23.54	252	18956	0.716	ng	96
38) Dibenzo(a,h)anthracene	26.21	278	3736	0.135	ng	# 46
39) Benzo(a,h,i)perylene	27.00	276	18387	0.647	ng	94

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

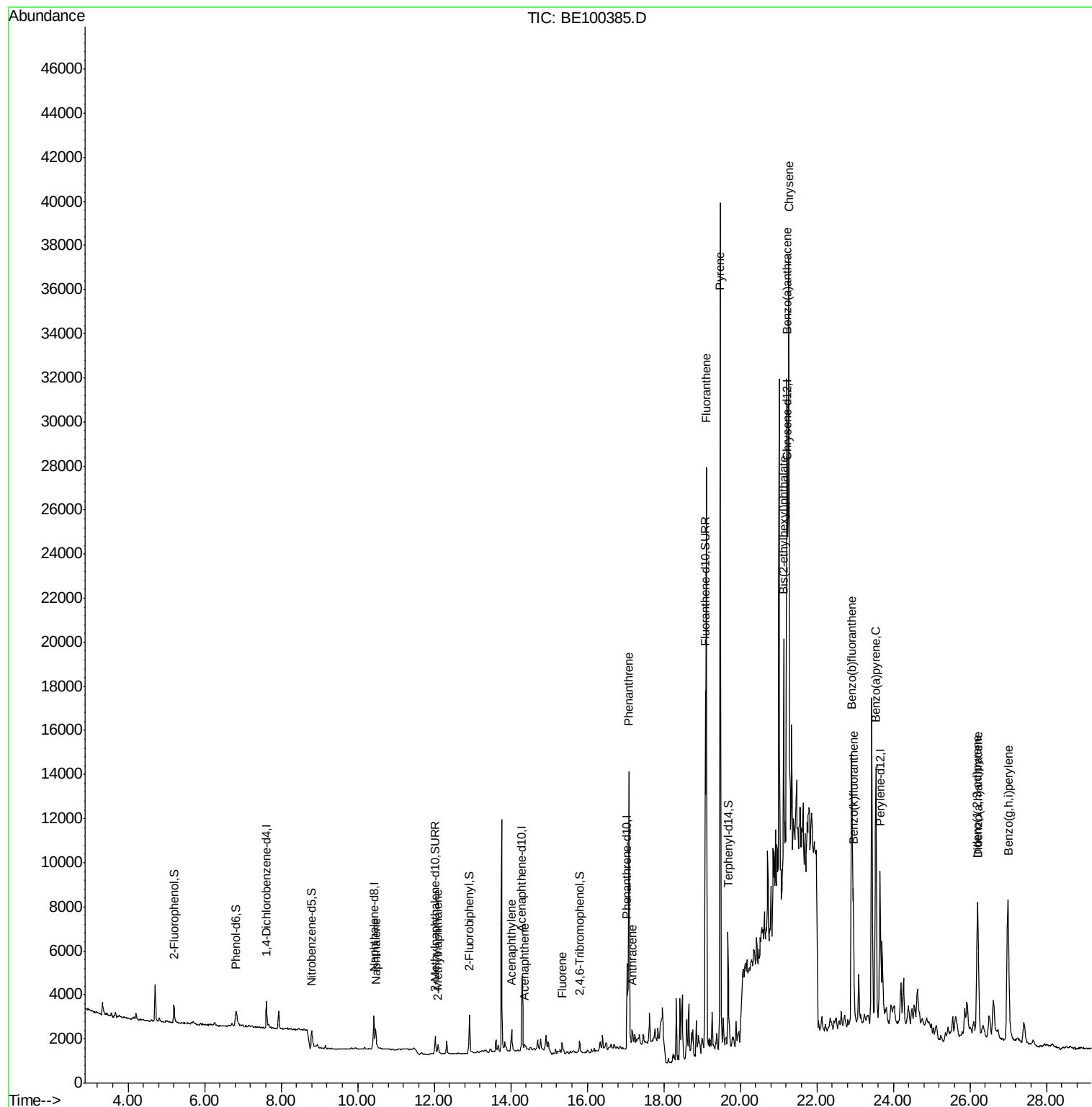
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100385.D
Acq On : 5 Jul 2019 17:22
Operator : JU/SJ
Sample : K3560-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

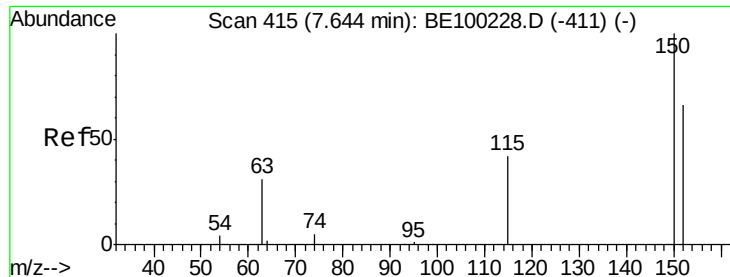
Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

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Quant Time: Jul 06 00:43:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
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#1

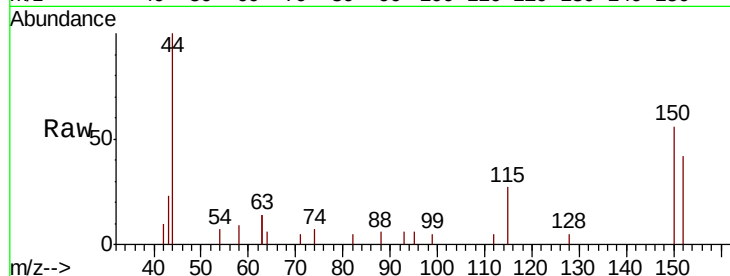
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

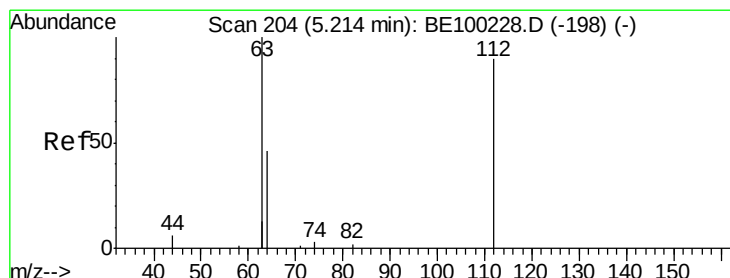
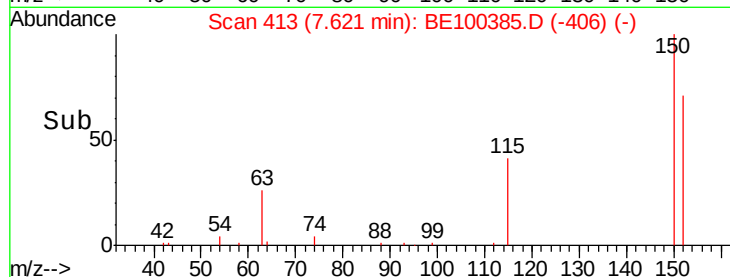
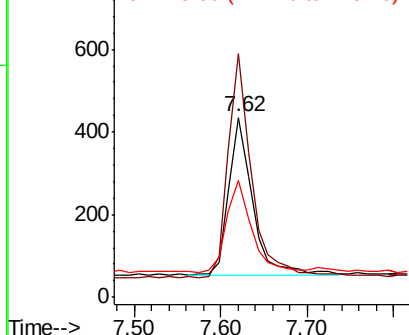
Tot Ion	Ratio	Lower	Upper
152	100		
150	135.4	114.5	171.7
115	64.8	57.1	85.7

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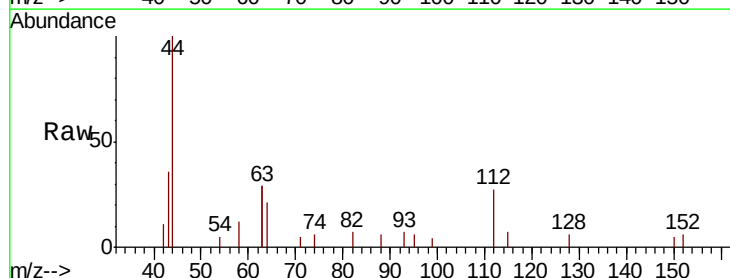
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



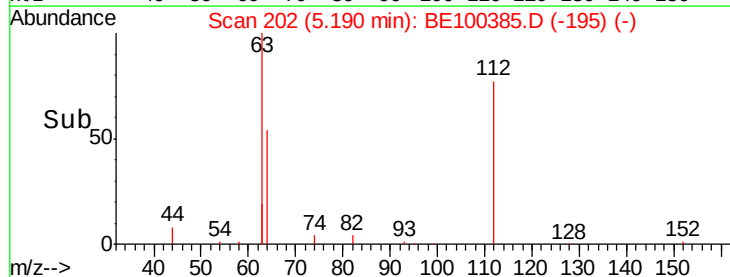
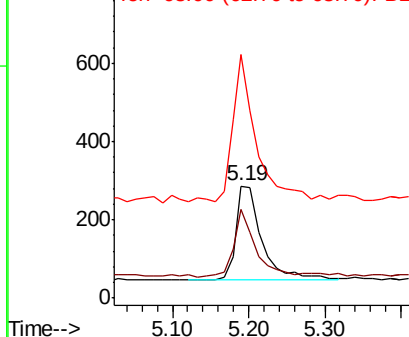
#4

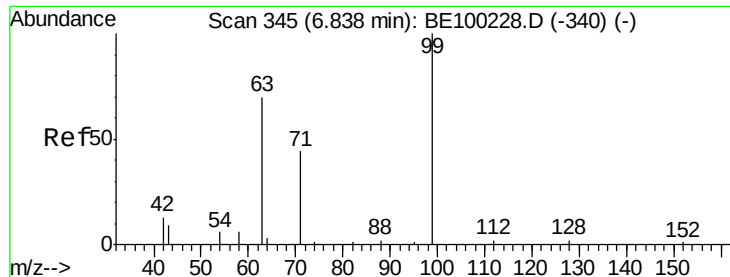
2-Fluorophenol
Concen: 0.310 ng
RT: 5.19 min Scan# 202
Delta R.T. -0.02 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	39.4	59.0#
63	142.2	104.5	156.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.298 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100385.D

Acq: 5 Jul 2019 17:22

Instrument :

BNA_E

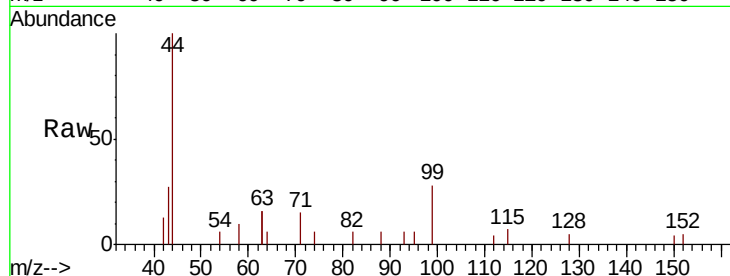
ClientSampleId :

PST-009-B221-062419

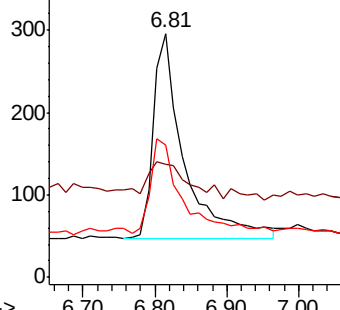
Tot Ion:	99	Resp:	740
Ion	Ratio	Lower	Upper
99	100		
42	23.4	11.2	16.8#
71	46.5	37.2	55.8

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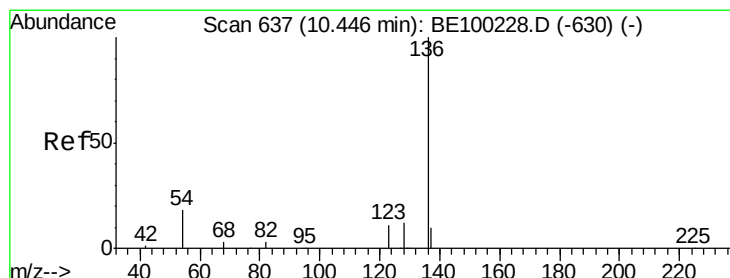
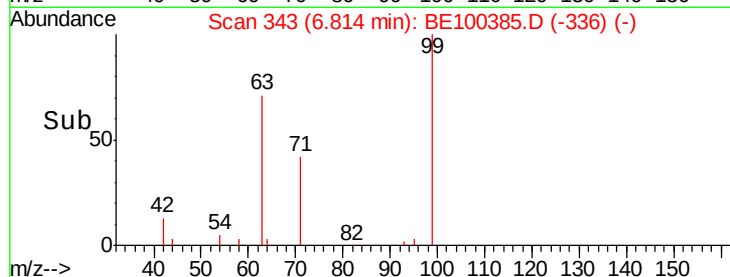
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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

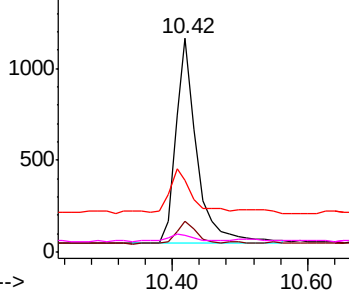
Delta R.T. -0.03 min

Lab File: BE100385.D

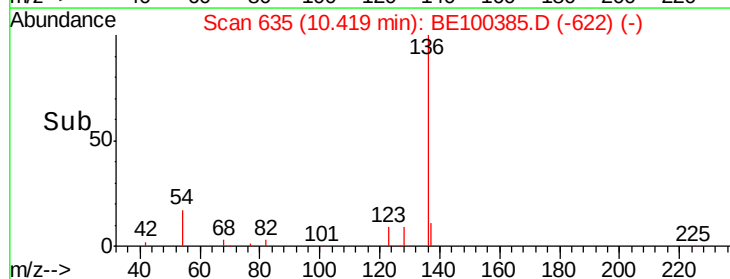
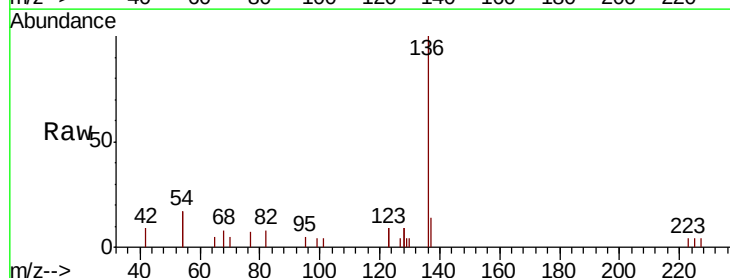
Acq: 5 Jul 2019 17:22

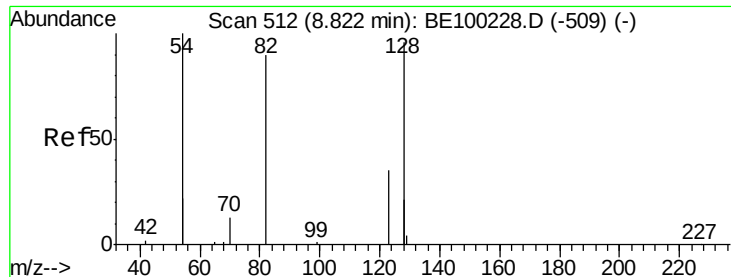
Tgt Ion:	136	Resp:	2482
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	33.5	27.7	41.5
68	7.6	6.8	10.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.195 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100385.D

Acq: 5 Jul 2019 17:22

Instrument :

BNA_E

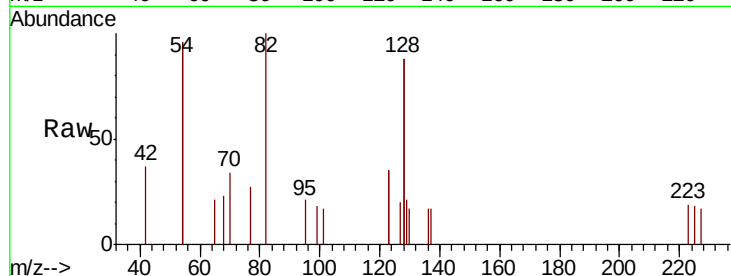
ClientSampleId :

PST-009-B221-062419

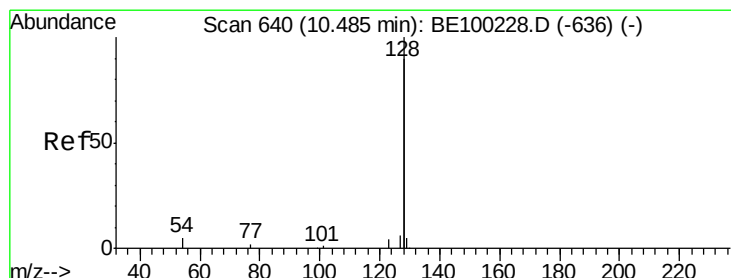
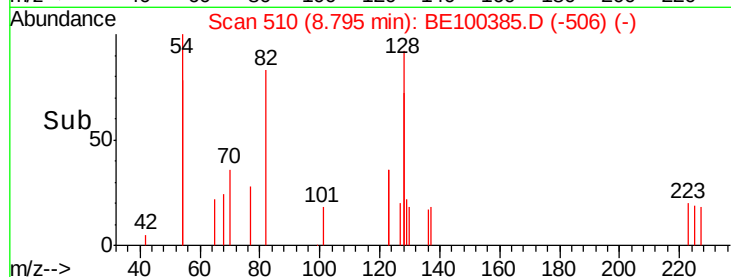
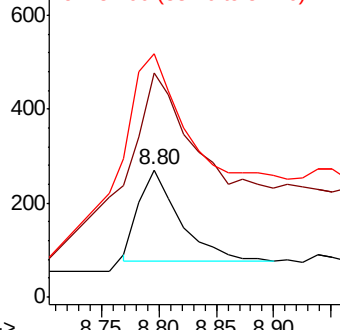
Tot Ion:	82	Resp:	480
Ion	Ratio	Lower	Upper
82	100		
128	176.4	140.9	211.3
54	191.1	146.2	219.2

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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: 0.066 ng

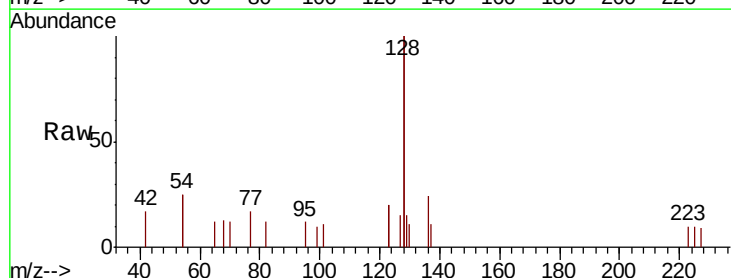
RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

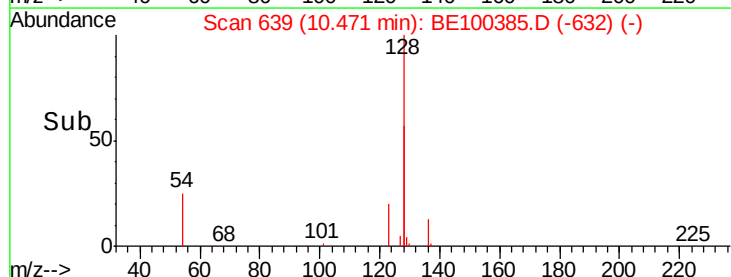
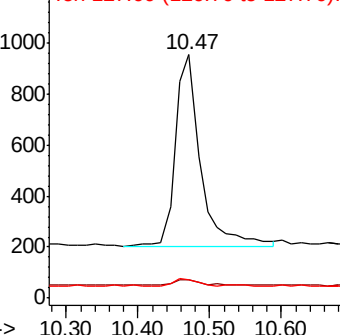
Lab File: BE100385.D

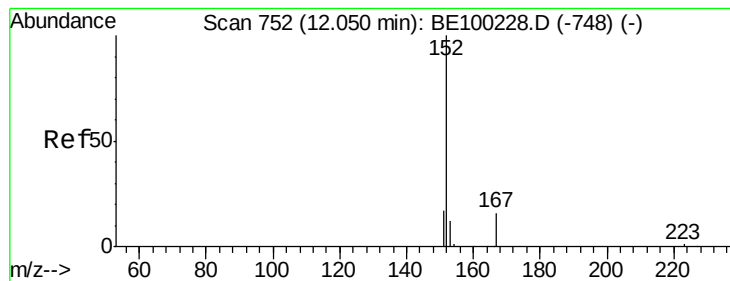
Acq: 5 Jul 2019 17:22

Tgt Ion:	128	Resp:	1815
Ion	Ratio	Lower	Upper
128	100		
129	7.6	3.0	4.6#
127	7.4	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





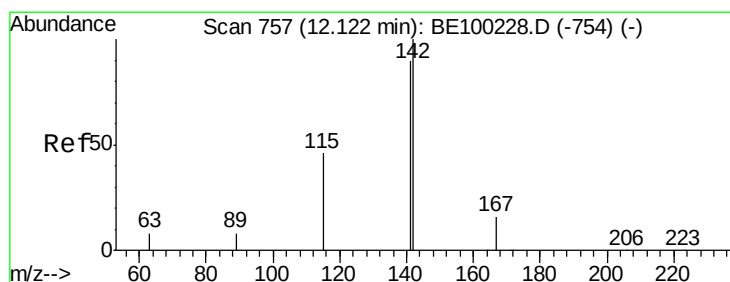
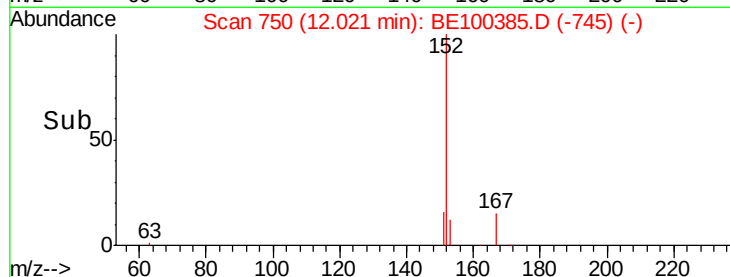
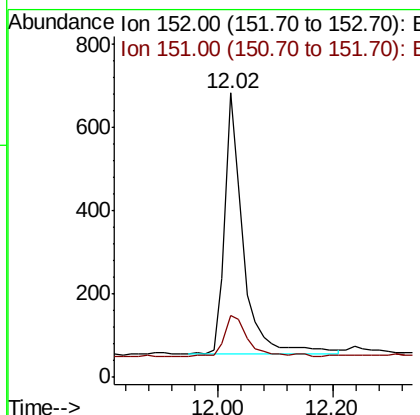
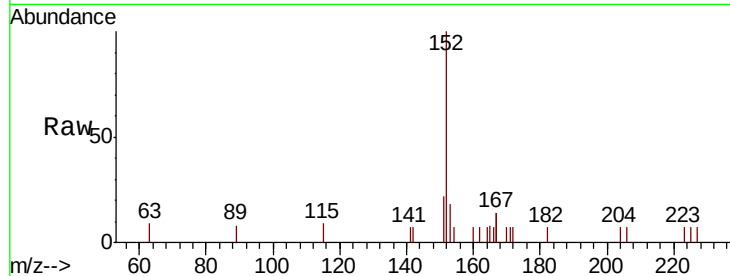
#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

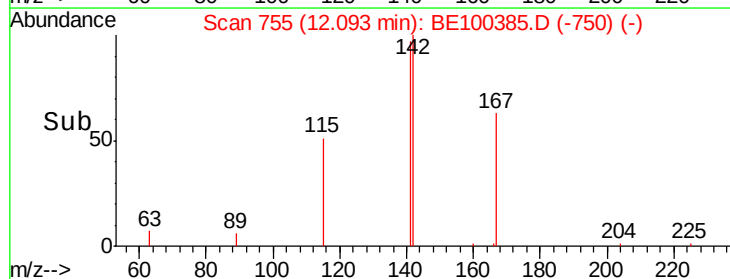
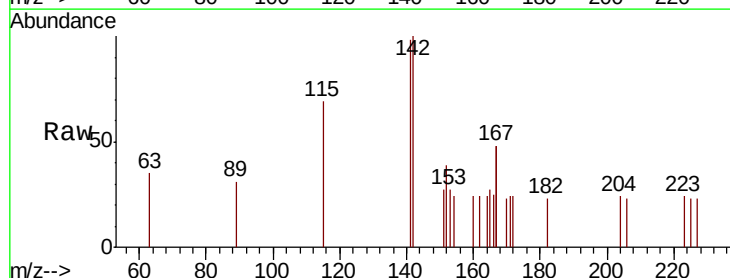
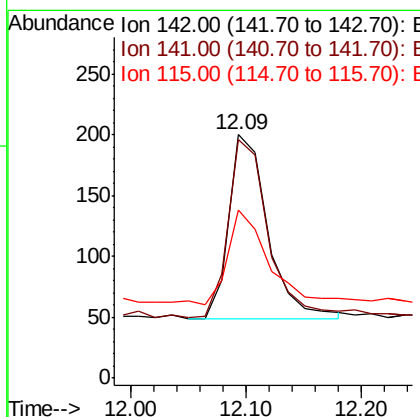
Manual Integrations
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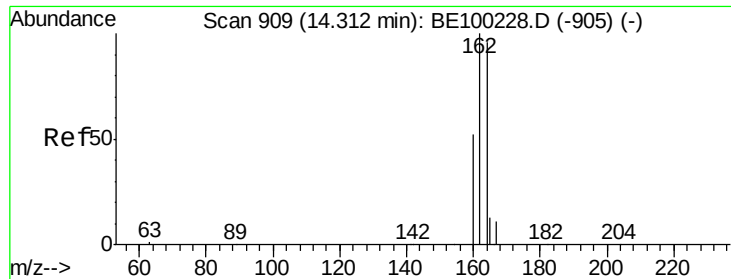
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#12
2-Methylnaphthalene
Concen: 0.074 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.03 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	98.0	72.4	108.6
115	69.0	40.4	60.6





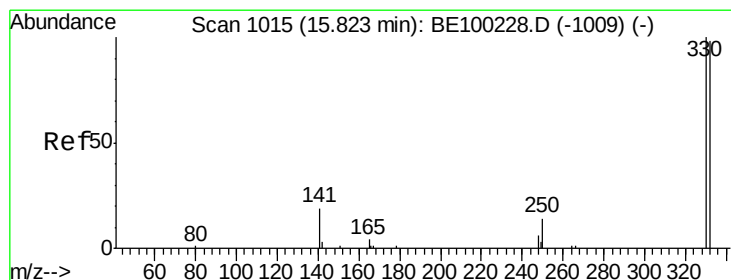
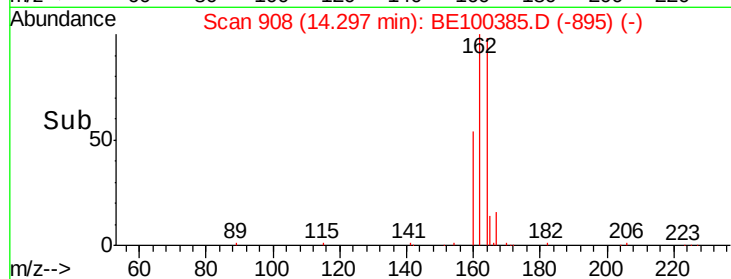
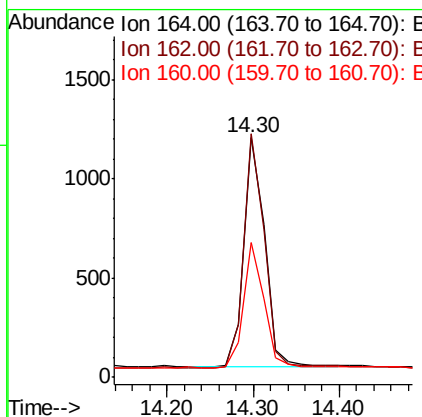
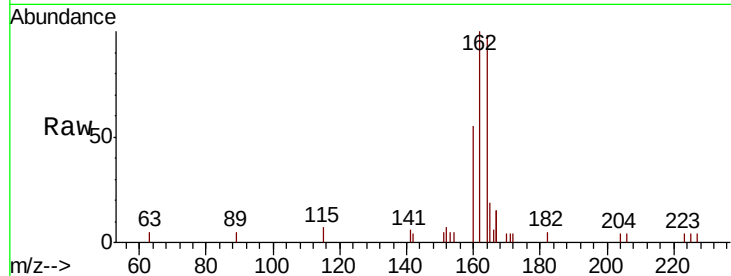
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	83.4	125.0
160	56.3	45.0	67.6

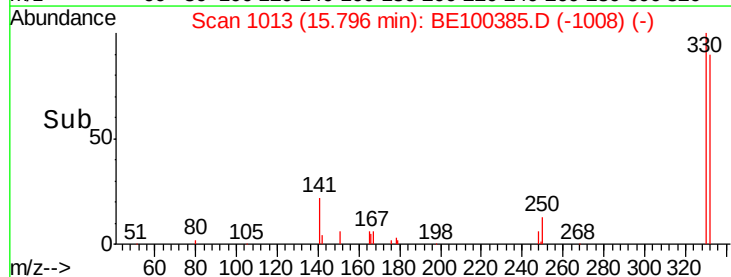
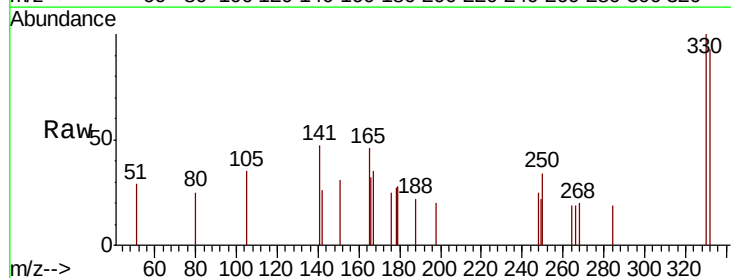
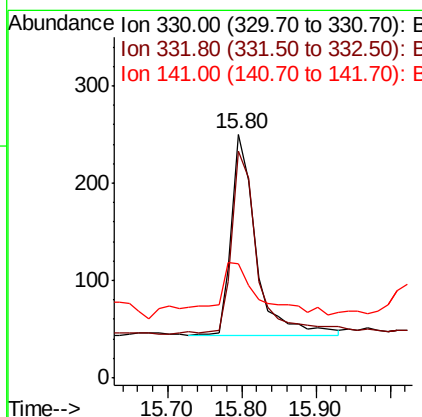
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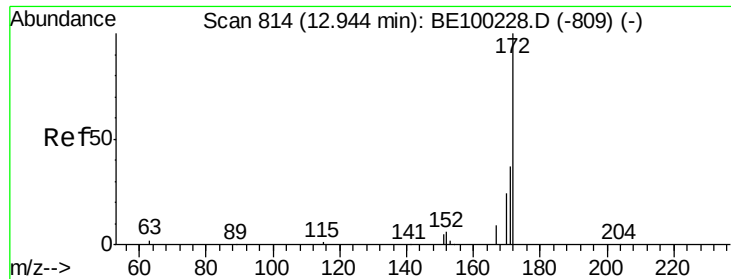
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#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.80 min Scan# 1013
Delta R.T. -0.03 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.4
141	40.6	22.0	33.0#





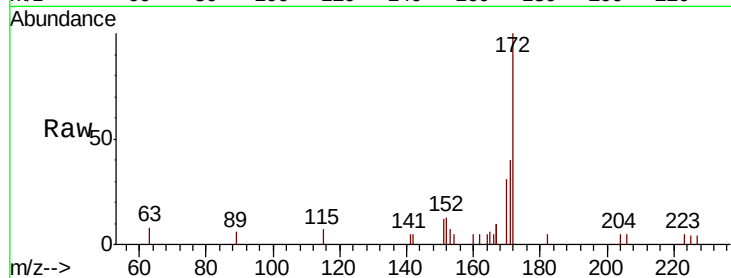
#15
2-Fluorobiphenyl
Concen: 0.285 ng
RT: 12.91 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

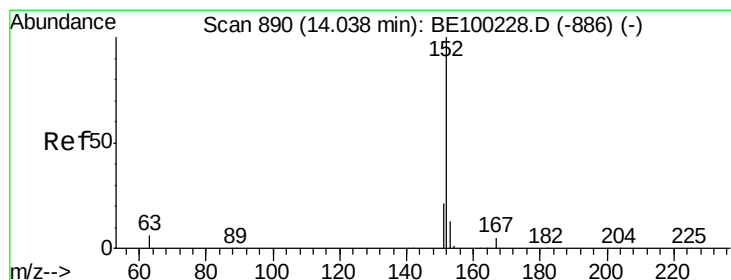
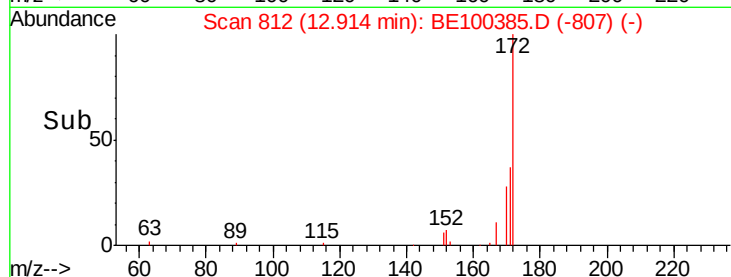
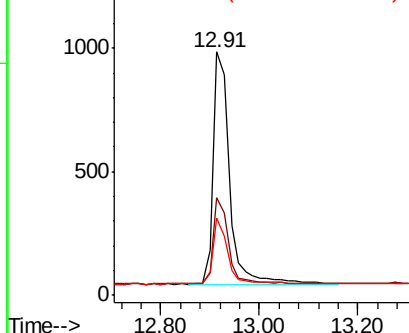
Tot Ion	Ratio	Lower	Upper
172	100		
171	40.3	31.9	47.9
170	31.4	22.2	33.2

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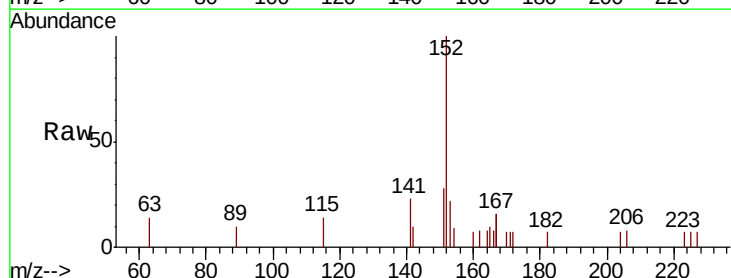


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

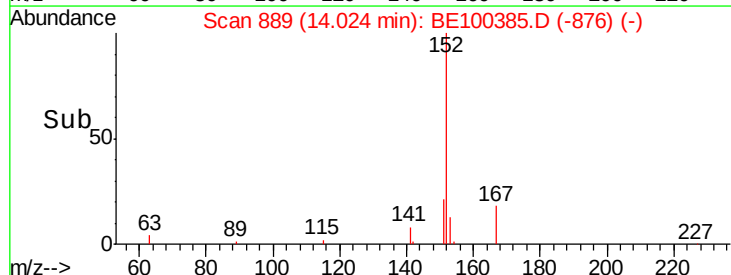
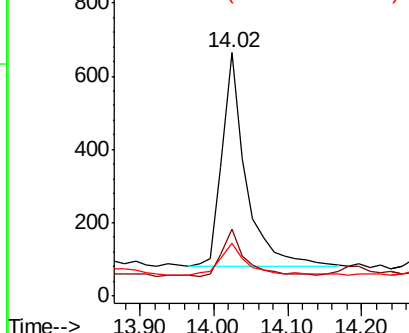


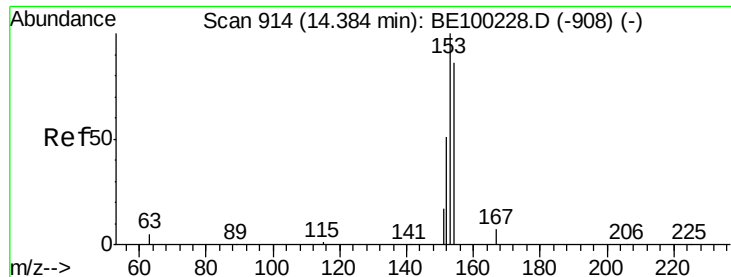
#16
Acenaphthylene
Concen: 0.142 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.6	25.0
153	16.3	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





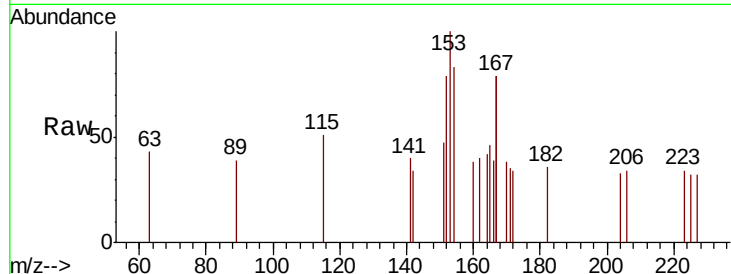
#17
Acenaphthene
Concen: 0.028 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
154	100		
153	126.9	93.4	140.2
152	80.7	49.4	74.2

Manual Integrations
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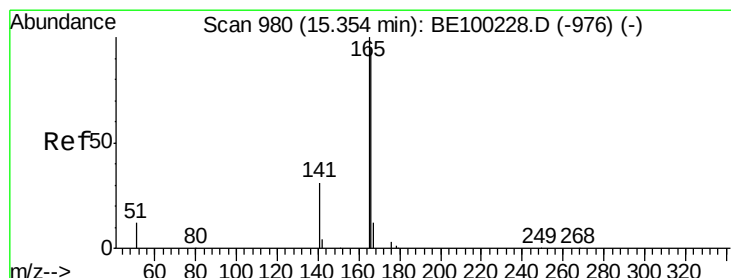
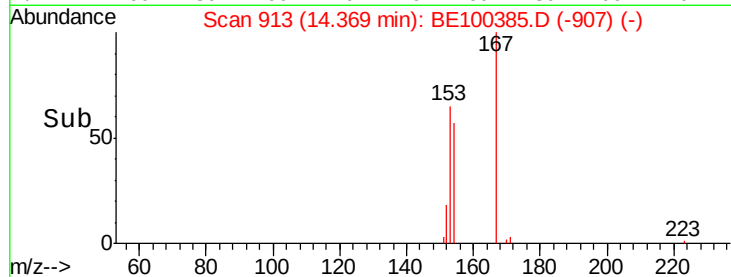
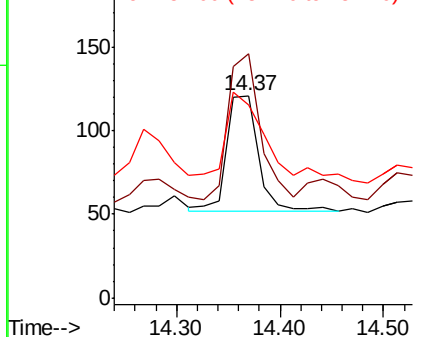


Abundance

Ion 154.00 (153.70 to 154.70): E

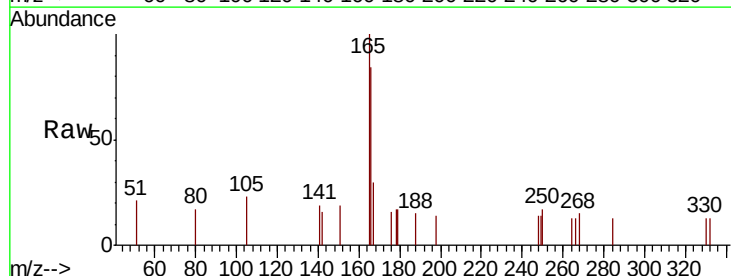
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.063 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	126.2	81.1	121.7
167	11.8	10.7	16.1

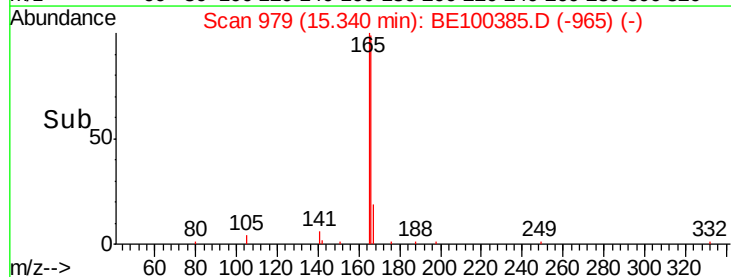
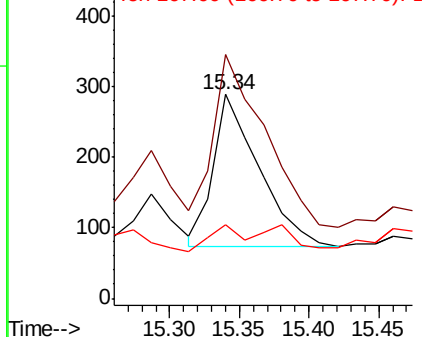


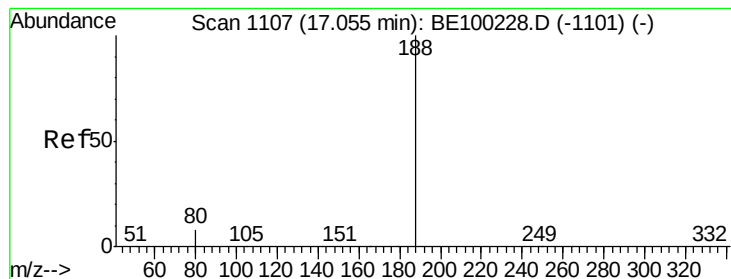
Abundance

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: BE100385.D

Acq: 5 Jul 2019 17:22

Instrument :

BNA_E

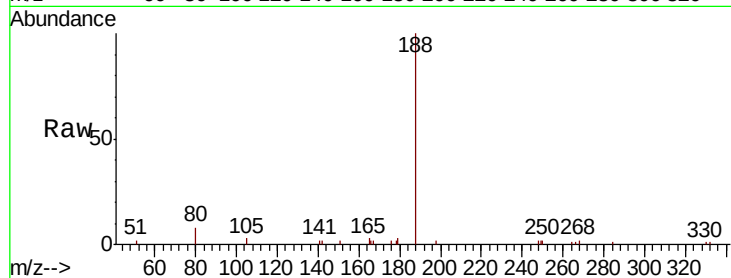
ClientSampleId :

PST-009-B221-062419

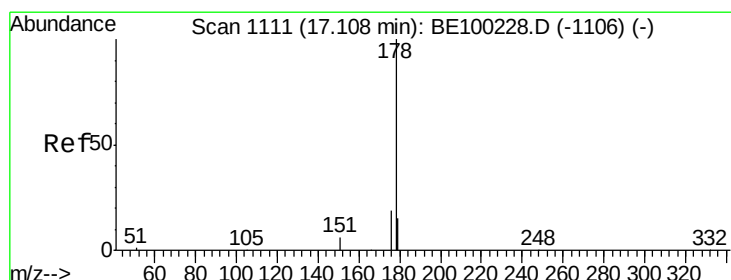
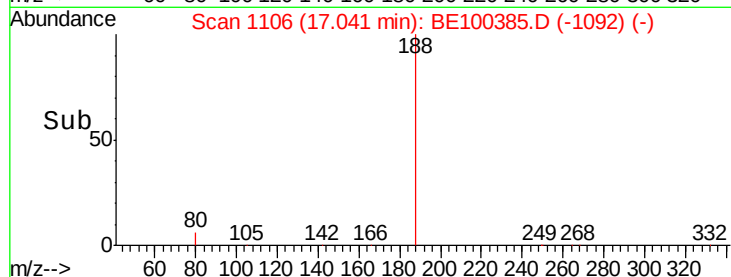
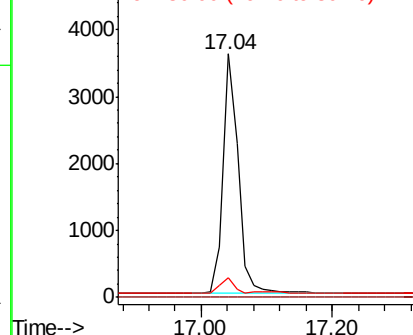
Tot Ion:	188	Resp:	5915
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.9	7.6	11.4

Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 1.038 ng

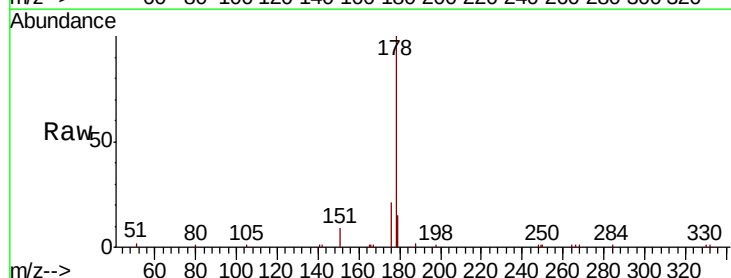
RT: 17.08 min Scan# 1109

Delta R.T. -0.03 min

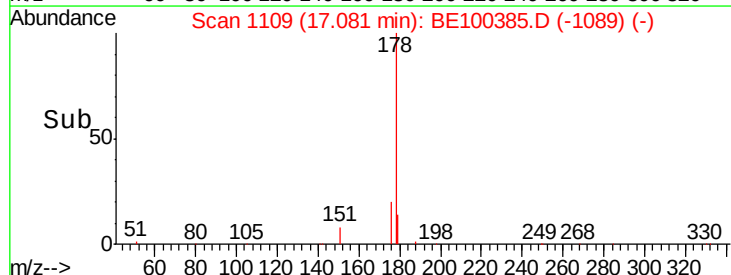
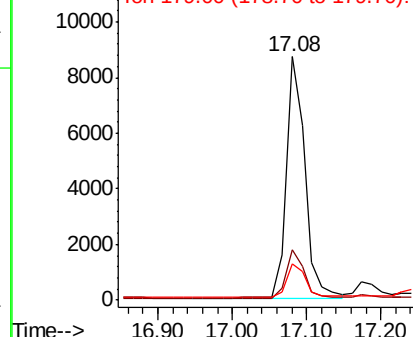
Lab File: BE100385.D

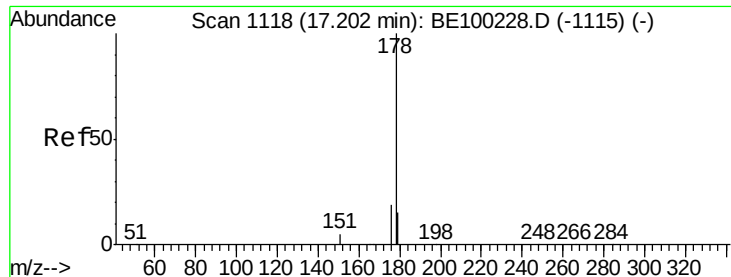
Acq: 5 Jul 2019 17:22

Tgt Ion:	178	Resp:	14874
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.1	12.2	18.2



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





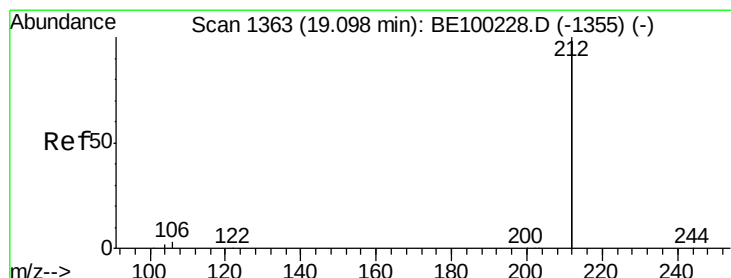
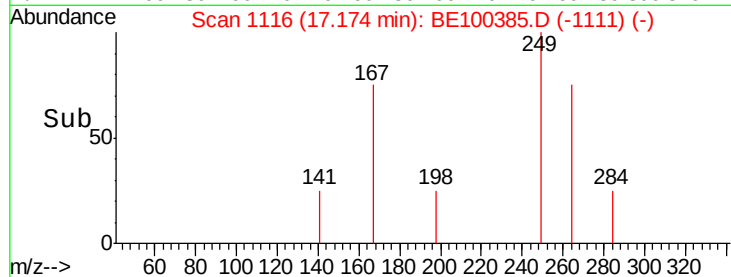
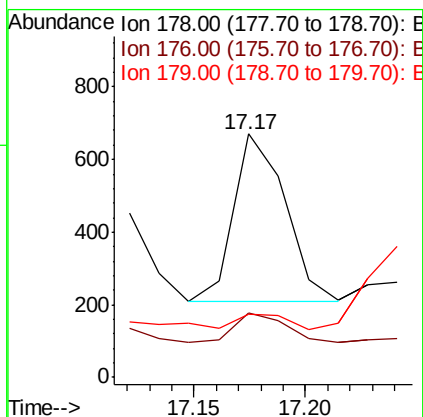
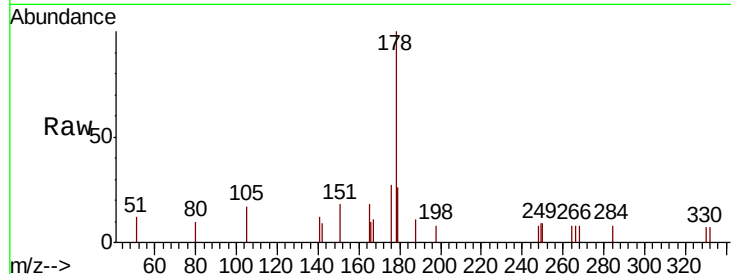
#24
 Anthracene
 Concen: 0.058 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	8.4	12.2	18.2

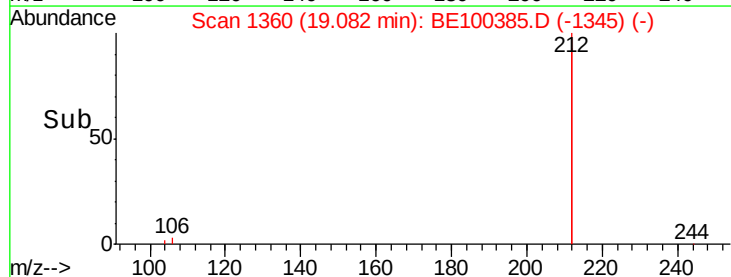
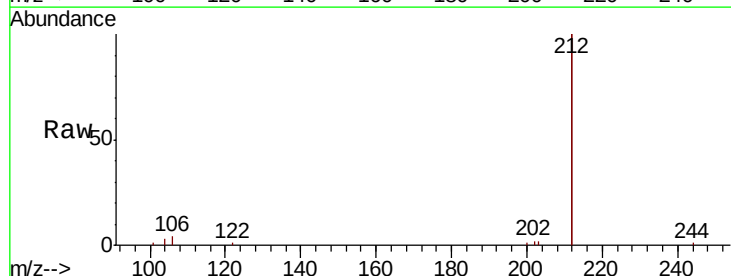
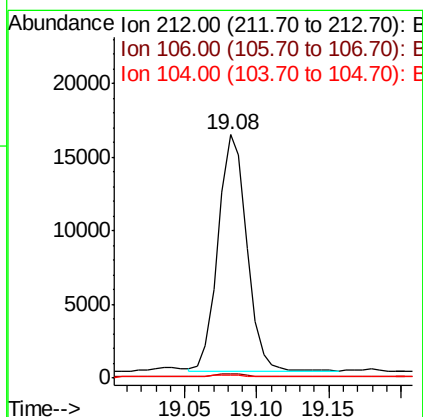
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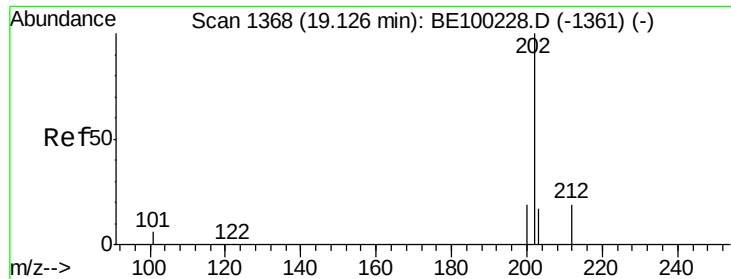
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#25
 Fluoranthene-d10
 Concen: 0.256 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





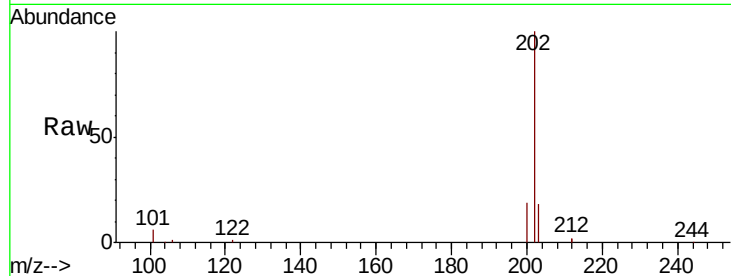
#26
 Fluoranthene
 Concen: 1.108 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.7	13.7	20.5

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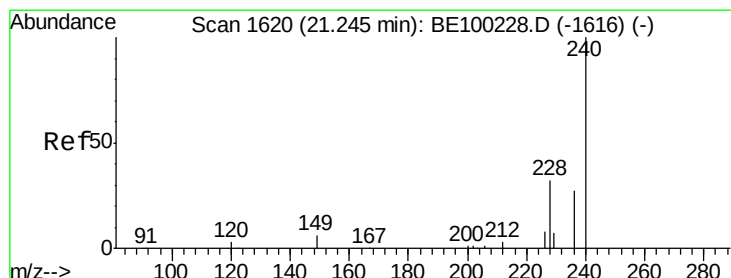
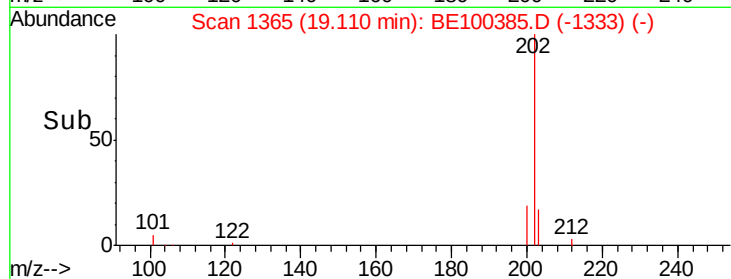
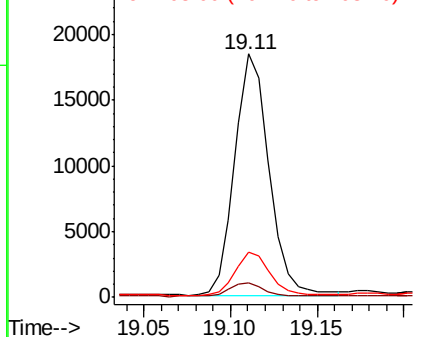


Abundance

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# 1618
 Delta R.T. -0.01 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

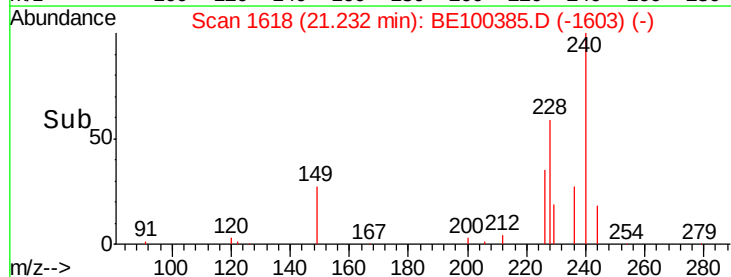
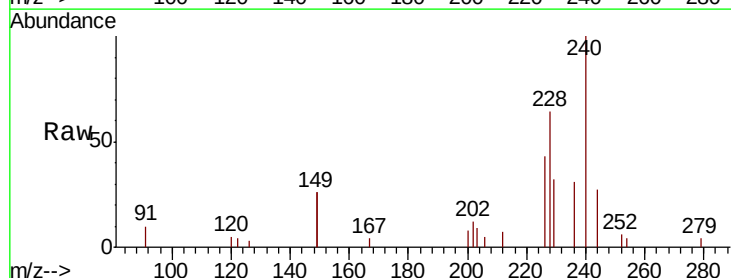
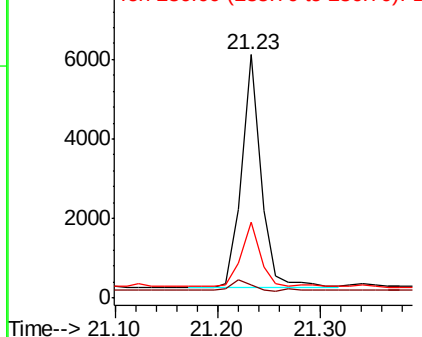
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	3.3	4.9#
236	31.2	22.6	34.0

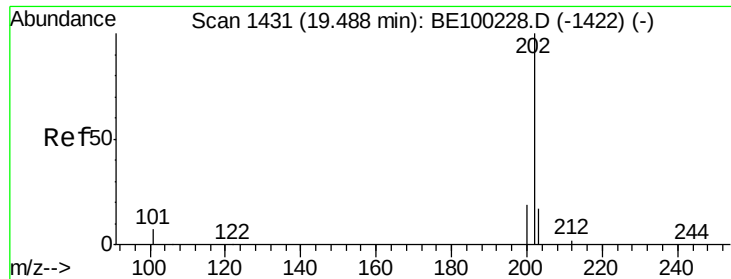
Abundance

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





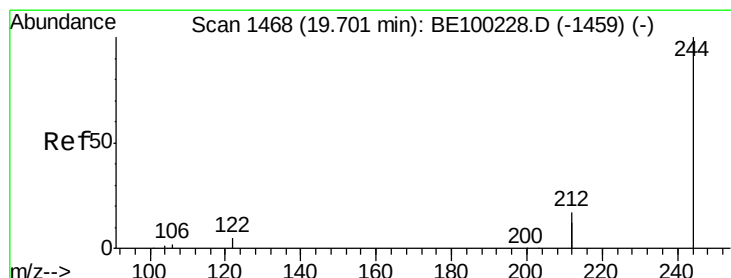
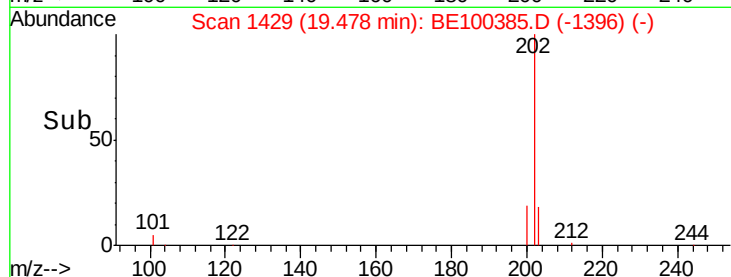
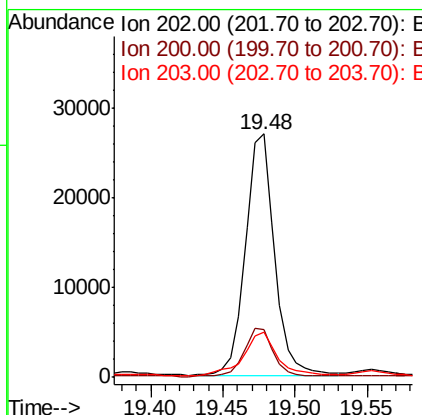
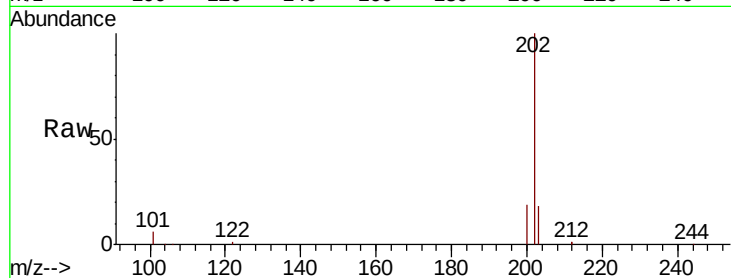
#28
Pvrene
Concen: 1.848 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.5	14.0	21.0

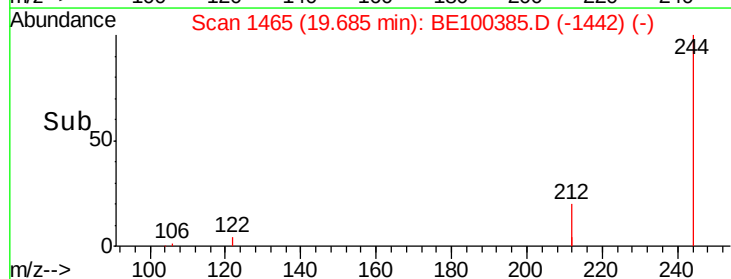
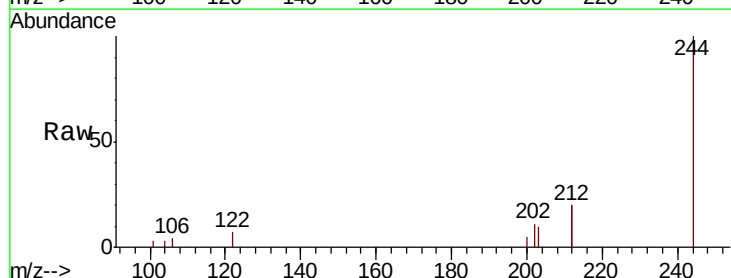
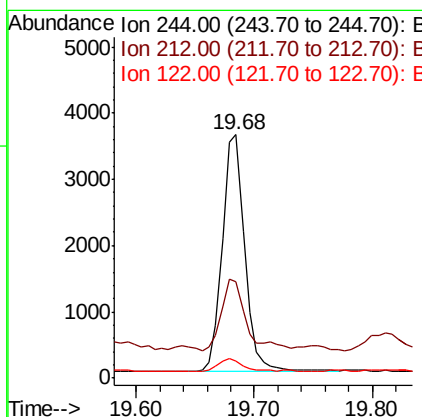
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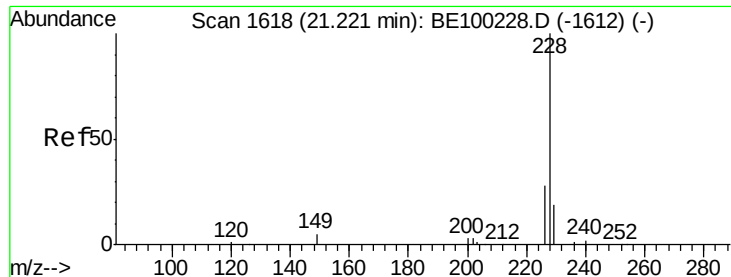
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#29
Terphenyl-d14
Concen: 0.297 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	39.6	27.3	40.9
122	6.8	4.7	7.1





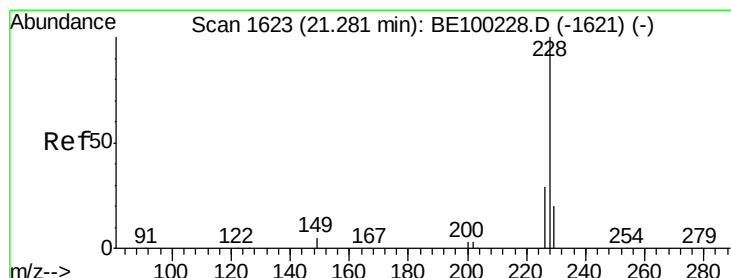
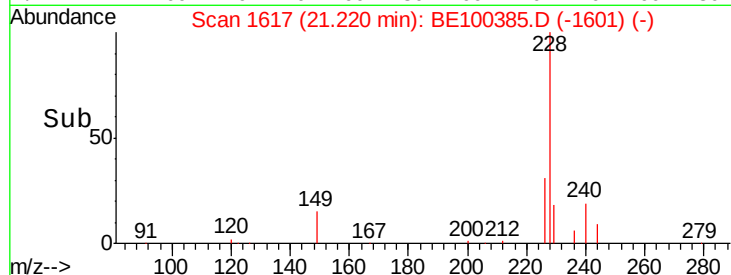
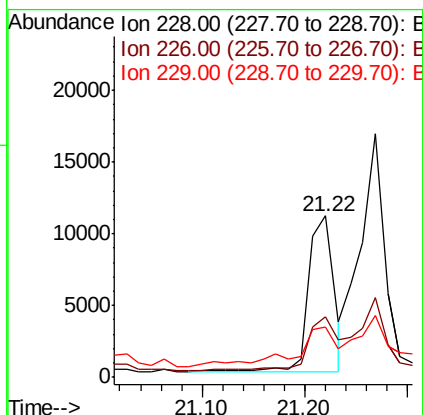
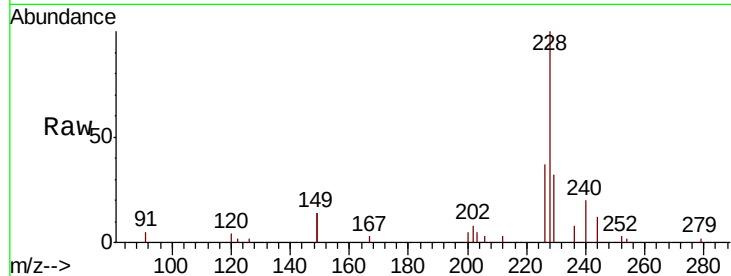
#30
Benzo(a)anthracene
Concen: 0.740 ng
RT: 21.22 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.3	23.2	34.8#
229	31.5	15.7	23.5#

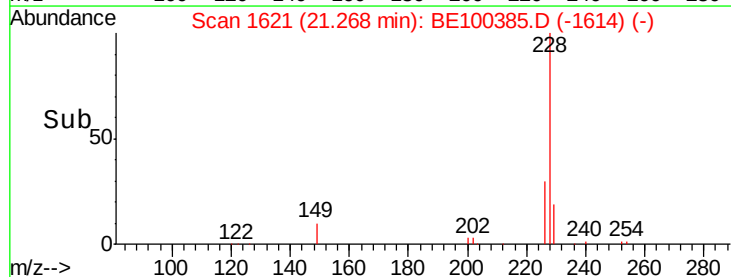
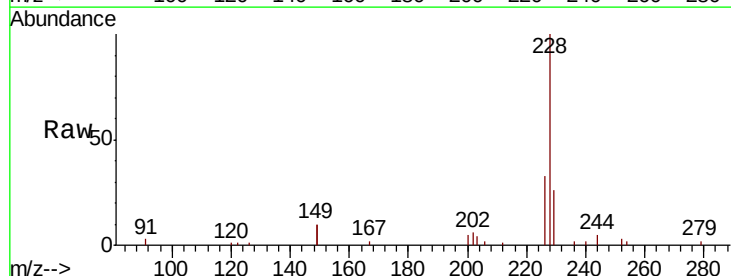
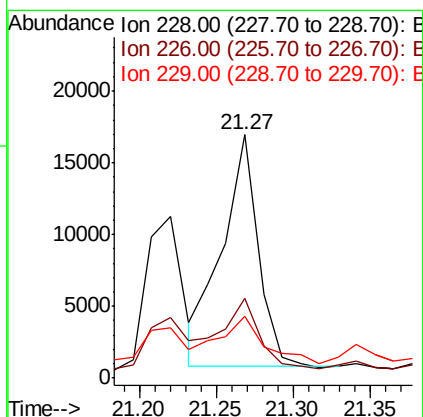
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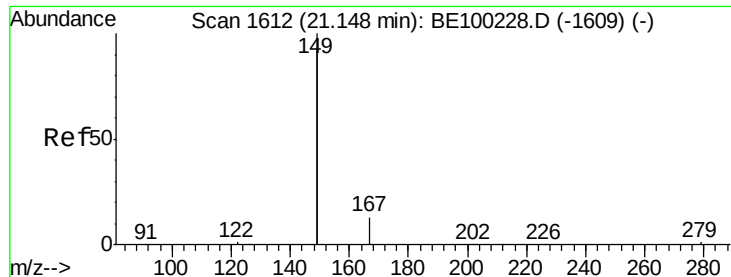
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#31
Chrysene
Concen: 1.038 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.9	35.9
229	25.5	16.5	24.7#





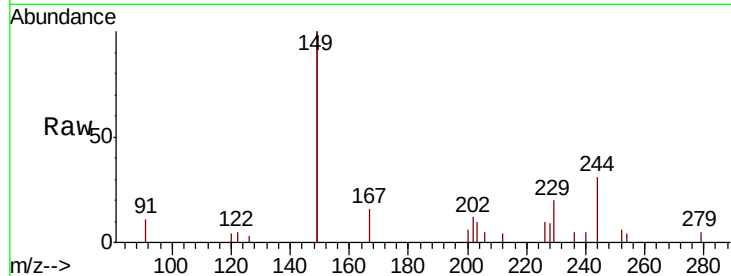
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.244 ng
 RT: 21.14 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B221-062419

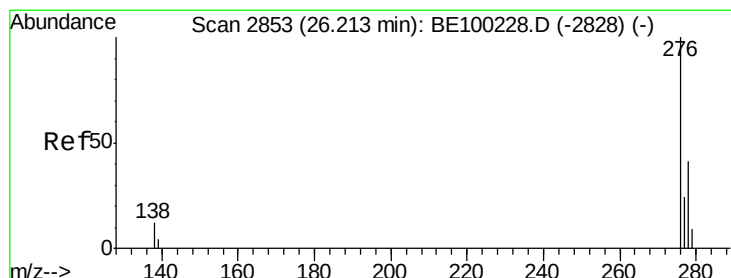
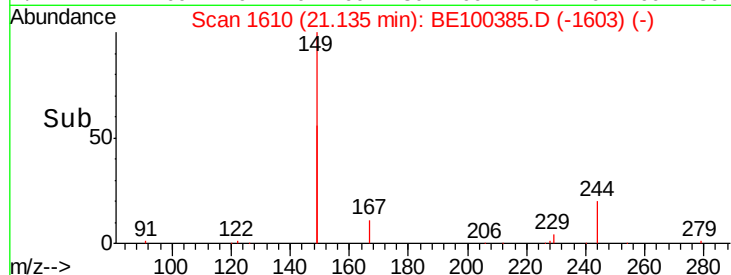
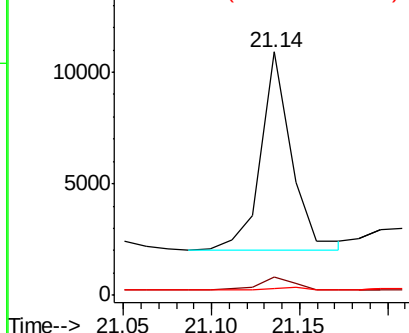
Tot Ion:	149	Resp:	10795
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.6	1.1	1.7

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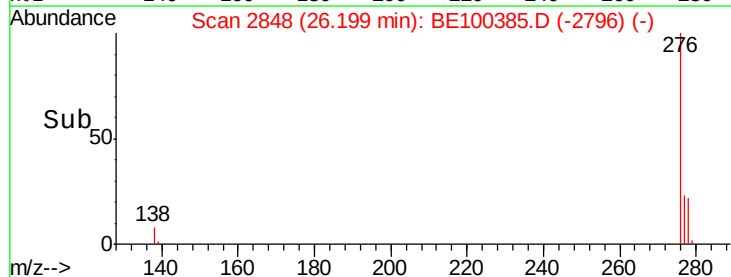
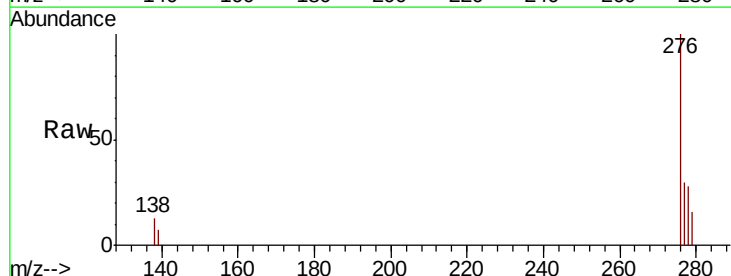
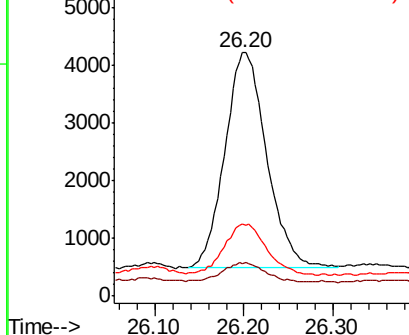
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

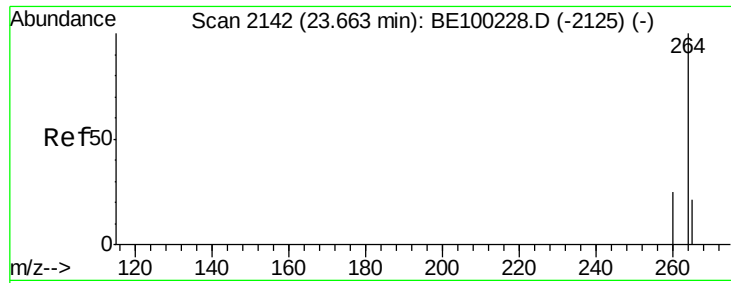


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.364 ng
 RT: 26.20 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BE100385.D
 Acq: 5 Jul 2019 17:22

Tgt Ion:	276	Resp:	12265
Ion Ratio	Lower	Upper	
276	100		
138	9.0	9.4	14.0#
277	24.0	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





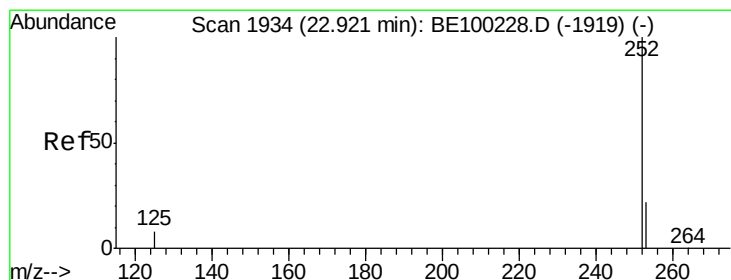
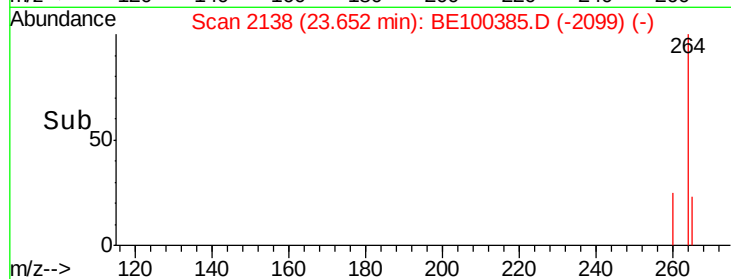
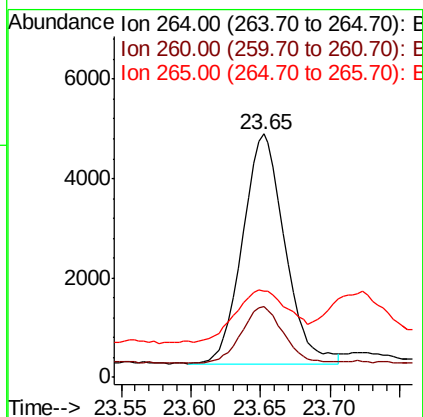
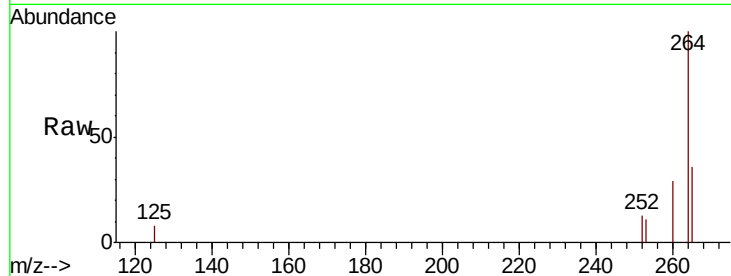
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.3	20.8	31.2
265	35.7	21.8	32.6

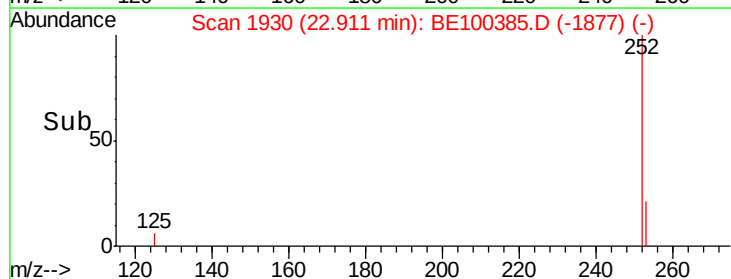
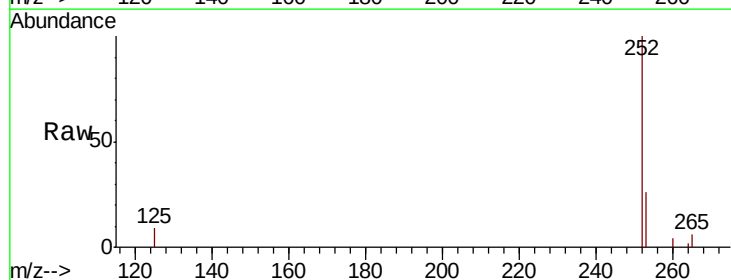
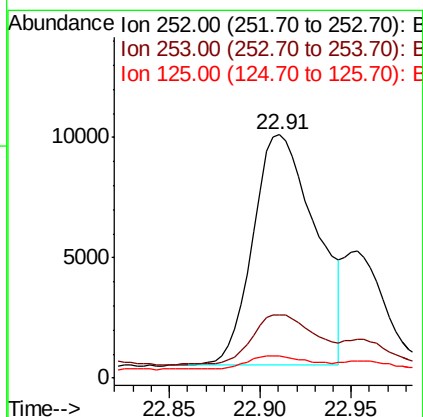
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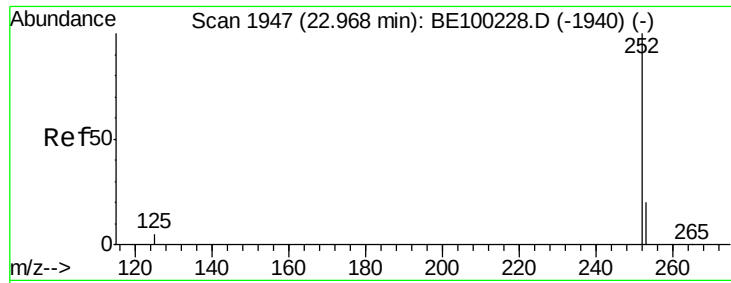
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#35
Benzo(b)fluoranthene
Concen: 0.874 ng
RT: 22.91 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.2	28.8
125	9.3	7.4	11.0





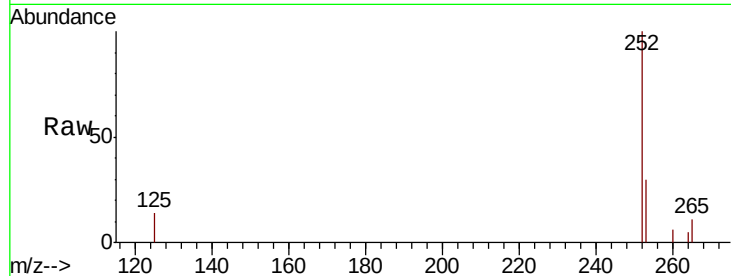
#36
Benzo(k)fluoranthene
Concen: 0.265 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Instrument :
BNA_E
ClientSampleId :
PST-009-B221-062419

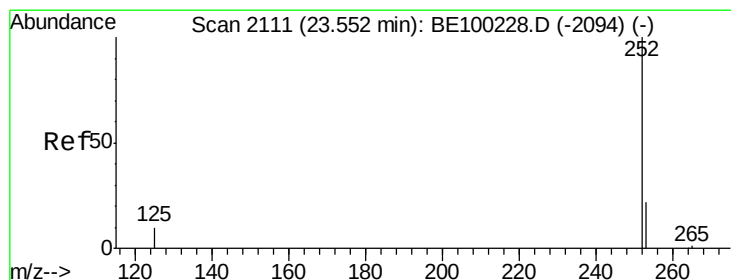
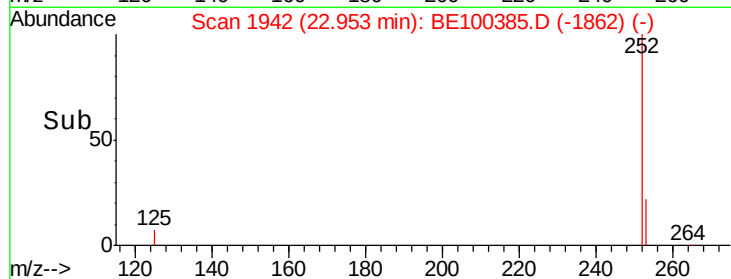
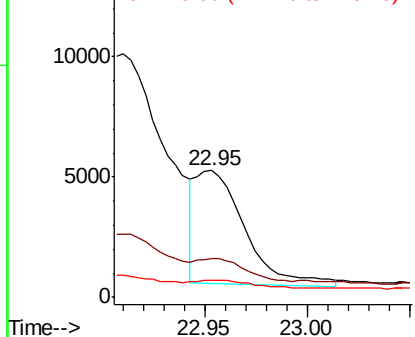
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.9	26.9#
125	13.8	5.0	7.4#

Manual Integrations
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7/8/2019 2:13:58 PM



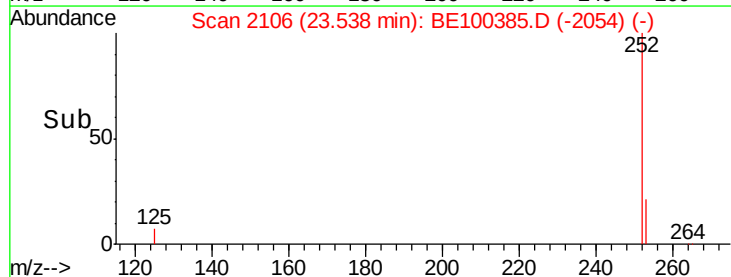
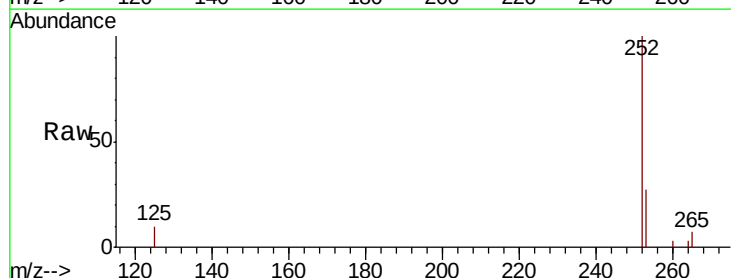
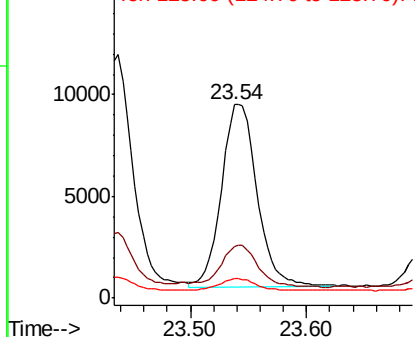
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

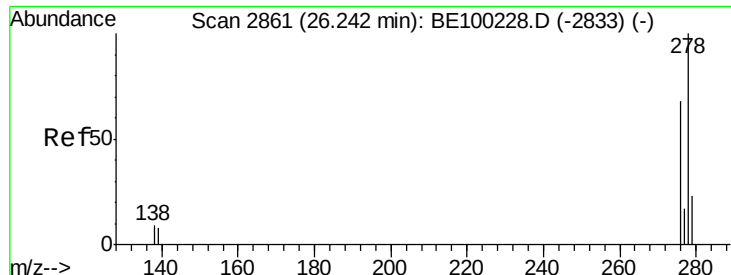


#37
Benzo(a)pyrene
Concen: 0.716 ng
RT: 23.54 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BE100385.D
Acq: 5 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.6	29.4
125	10.2	9.0	13.6

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





#38

Dibenzo(a,h)anthracene

Concen: 0.135 ng

RT: 26.21 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BE100385.D

Acq: 5 Jul 2019 17:22

Instrument :

BNA_E

ClientSampleId :

PST-009-B221-062419

Tot Ion:278 Resp: 3736

Ion Ratio Lower Upper

278 100

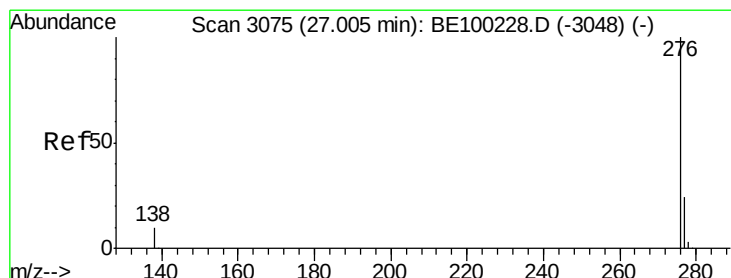
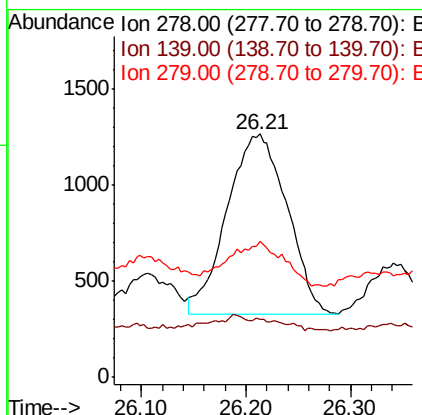
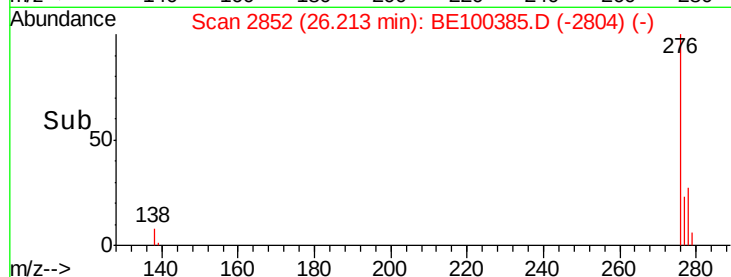
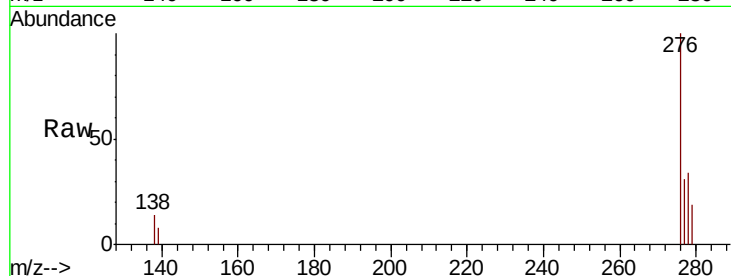
139 23.9 8.2 12.2#

279 55.9 20.3 30.5#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.647 ng

RT: 27.00 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BE100385.D

Acq: 5 Jul 2019 17:22

Tgt Ion:276 Resp: 18387

Ion Ratio Lower Upper

276 100

277 28.3 20.2 30.2

138 13.1 9.0 13.6

