

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100398.D
 Acq On : 6 Jul 2019 1:50
 Operator : JU/SJ
 Sample : K3558-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW084-062519

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:14:23 PM

Quant Time: Jul 08 07:11:27 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	7.63	152	597	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2136	0.40	ng	-0.01
13) Acenaphthene-d10	14.30	164	1652	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5086	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6781	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8268	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	23	0.02	ng	0.00
5) Phenol-d6	6.84	99	12	0.01	ng	0.00
8) Nitrobenzene-d5	8.86	82	17	0.01	ng	0.04
11) 2-Methylnaphthalene-d10	12.05	152	89	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	21	0.02	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	126	0.02	ng	-0.01
25) Fluoranthene-d10	19.08	212	1049	0.01	ng	-0.02
29) Terphenyl-d14	19.68	244	269	0.02	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	1390	0.059	ng	# 82
12) 2-Methylnaphthalene	12.12	142	228	0.055	ng	# 85
16) Acenaphthylene	14.02	152	1746	0.220	ng	97
17) Acenaphthene	14.37	154	274	0.061	ng	# 93
18) Fluorene	15.35	166	687	0.103	ng	# 86
23) Phenanthrene	17.08	178	28357	2.300	ng	99
24) Anthracene	17.17	178	2368	0.213	ng	# 87
26) Fluoranthene	19.11	202	46650	2.376	ng	98
28) Pyrene	19.48	202	73646	4.102	ng	97
30) Benzo(a)anthracene	21.22	228	33327m	1.495	ng	
31) Chrysene	21.27	228	45139	2.016	ng	97
33) Indeno(1,2,3-cd)pyrene	26.20	276	18366	0.620	ng	# 95
35) Benzo(b)fluoranthene	22.91	252	35003m	1.561	ng	
36) Benzo(k)fluoranthene	22.94	252	11847m	0.473	ng	
37) Benzo(a)pyrene	23.54	252	28495m	1.268	ng	
38) Dibenzo(a,h)anthracene	26.21	278	4969	0.212	ng	# 81
39) Benzo(a,h,i)perylene	26.99	276	21920	0.909	ng	99

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

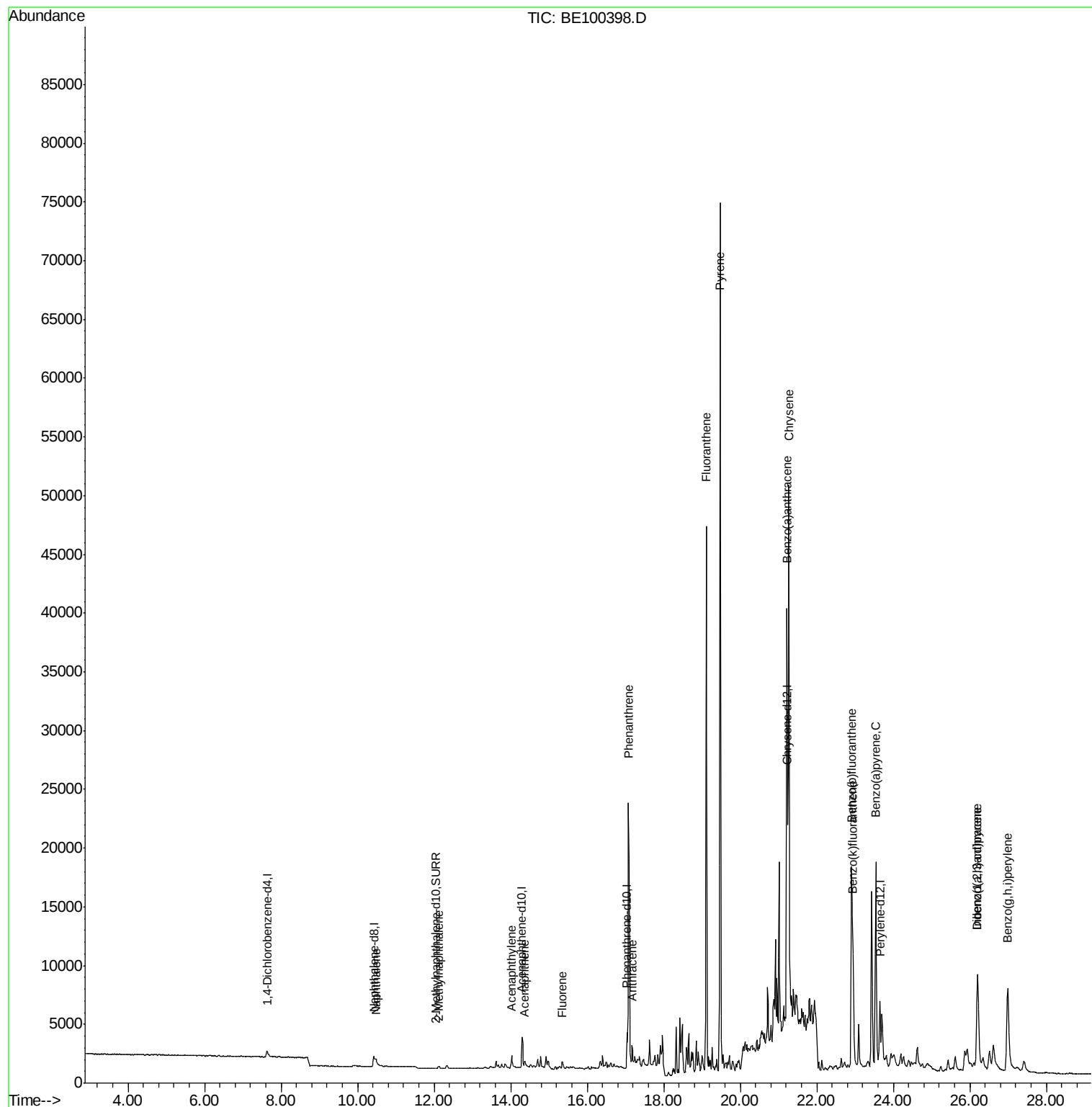
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

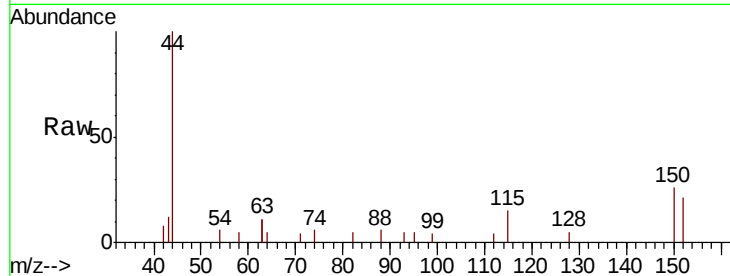
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	126.3	114.5	171.7
115	72.8	57.1	85.7

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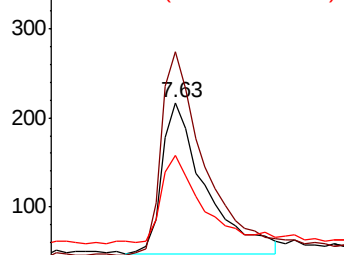


Abundance

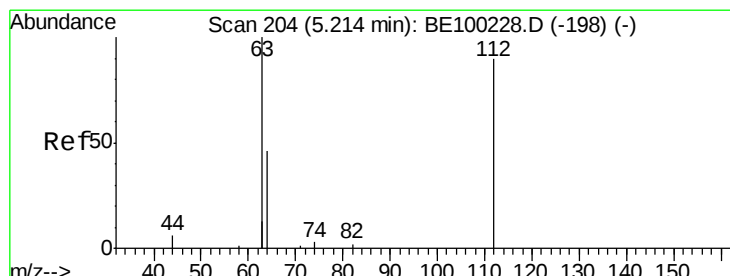
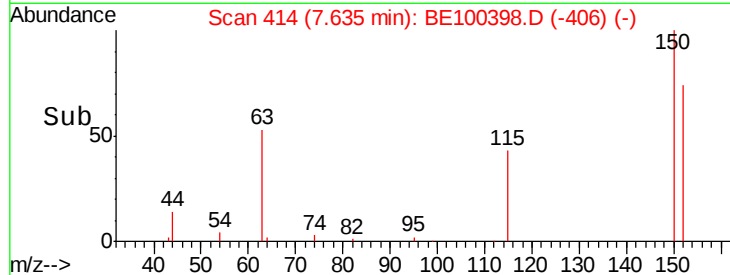
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



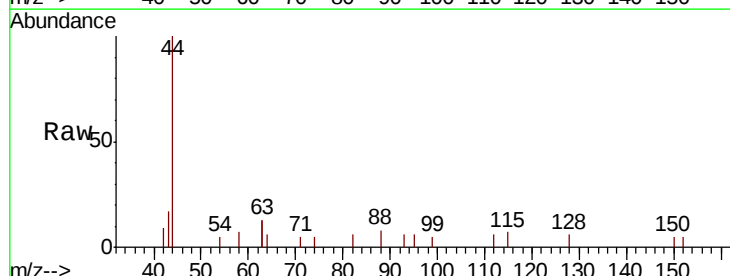
Time-->



#4

2-Fluorophenol
Concen: 0.015 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	104.3	39.4	59.0#
63	265.2	104.5	156.7#

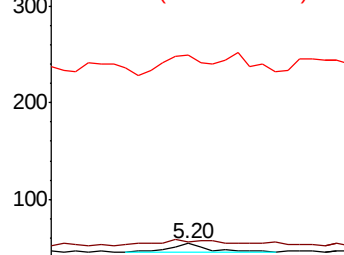


Abundance

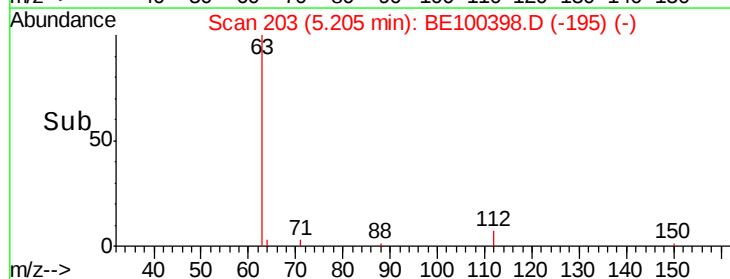
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.006 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Instrument :

BNA_E

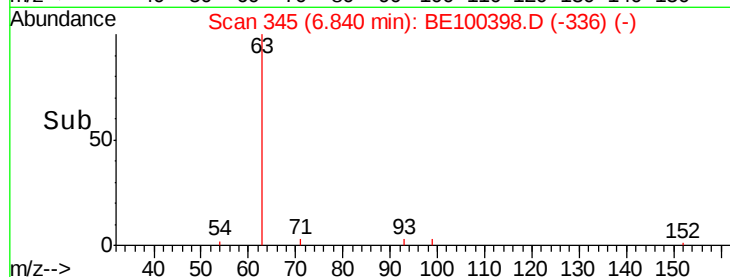
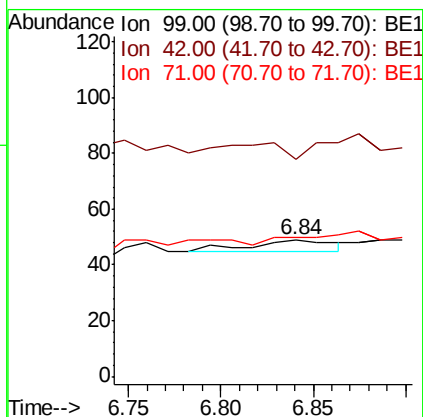
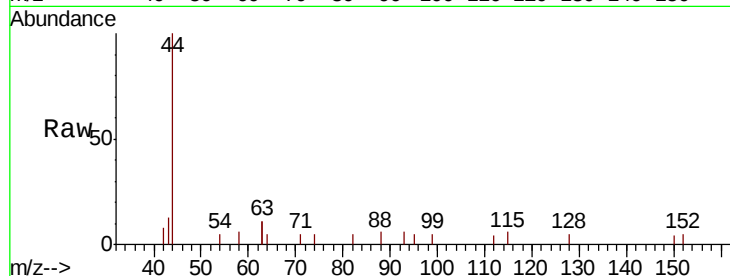
ClientSampleId :

EXT-015-SW084-062519

Tot Ion:	99	Resp:	12
Ion	Ratio	Lower	Upper
99	100		
42	116.7	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

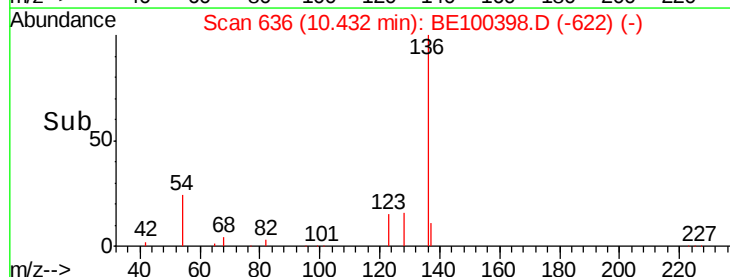
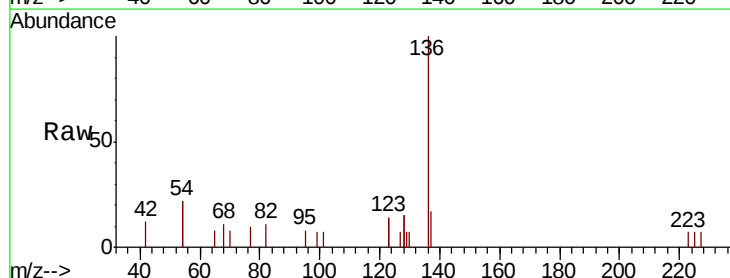
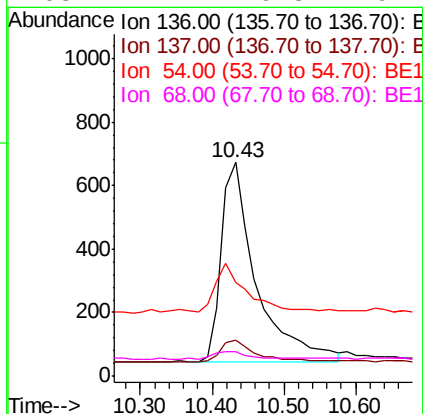
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Tgt Ion:	136	Resp:	2136
Ion	Ratio	Lower	Upper
136	100		
137	17.1	11.8	17.8
54	44.0	27.7	41.5#
68	11.1	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.008 ng

RT: 8.86 min Scan# 515

Delta R.T. 0.04 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Instrument :

BNA_E

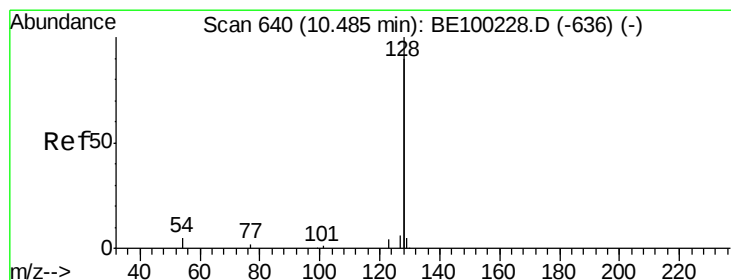
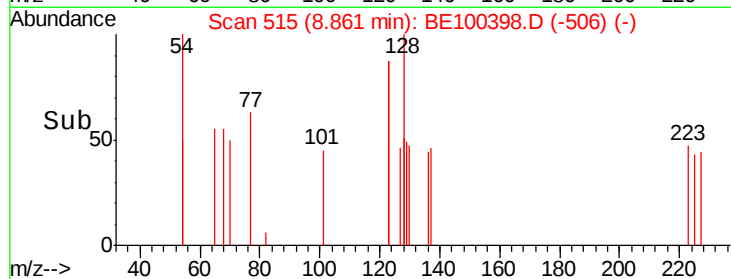
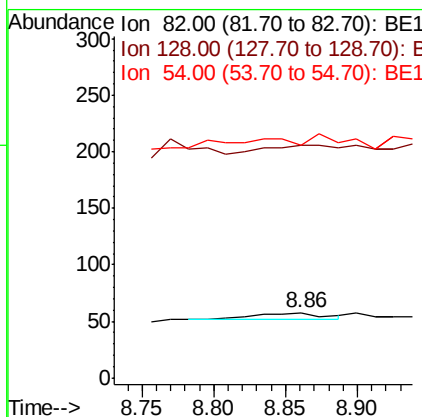
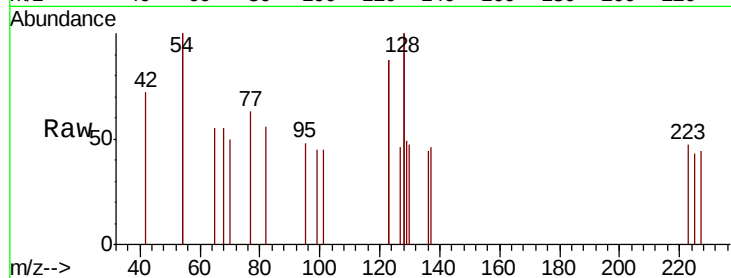
ClientSampleId :

EXT-015-SW084-062519

Tot Ion:	82	Resp:	17
Ion Ratio	Lower	Upper	
82	100		
128	355.2	140.9	211.3#
54	355.2	146.2	219.2#

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#9

Naphthalene

Concen: 0.059 ng

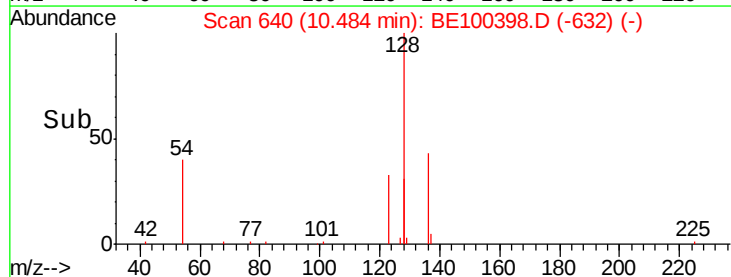
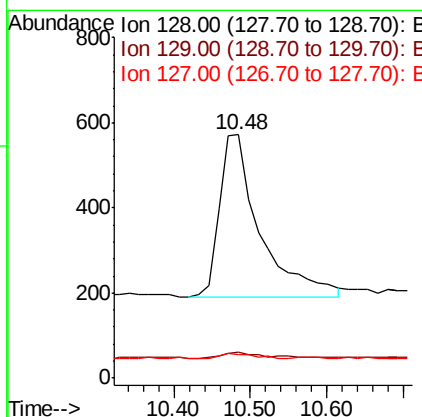
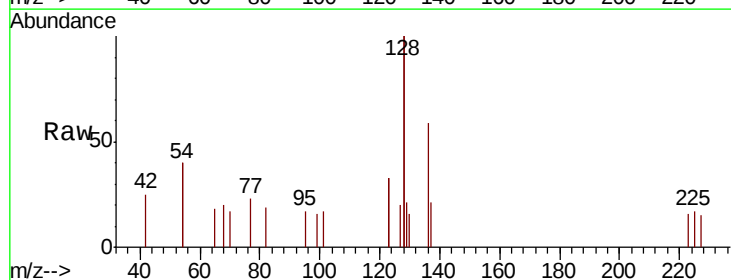
RT: 10.48 min Scan# 640

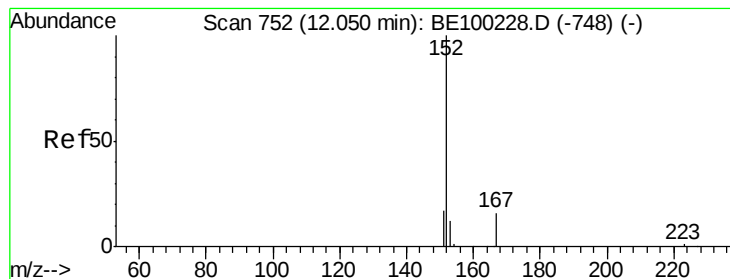
Delta R.T. -0.00 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Tgt Ion:	128	Resp:	1390
Ion Ratio	Lower	Upper	
128	100		
129	10.5	3.0	4.6#
127	9.8	3.5	5.3#





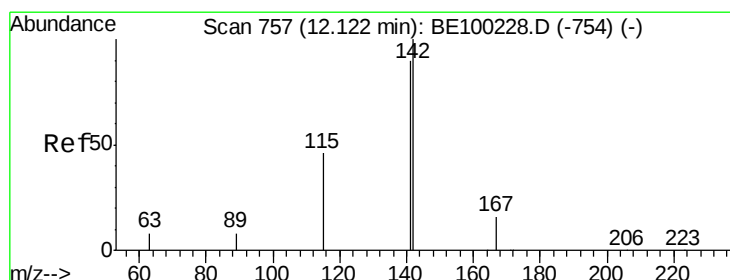
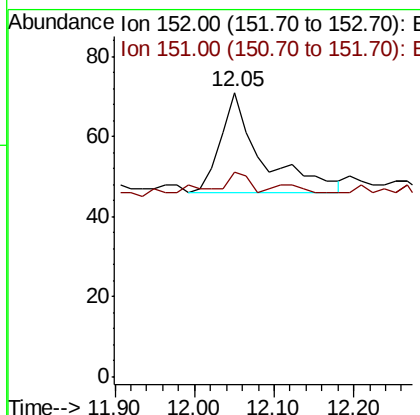
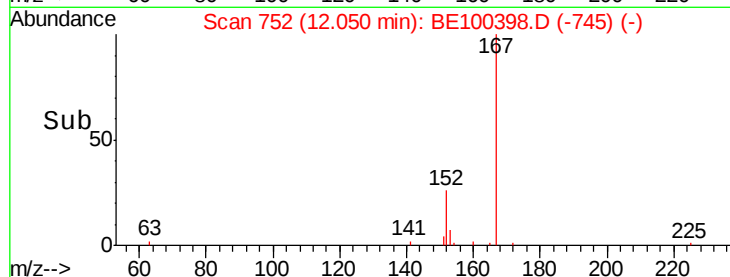
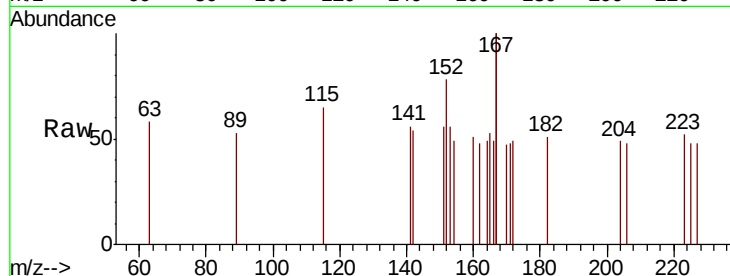
#11
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion:152 Resp: 89
Ion Ratio Lower Upper
152 100
151 11.2 15.1 22.7#

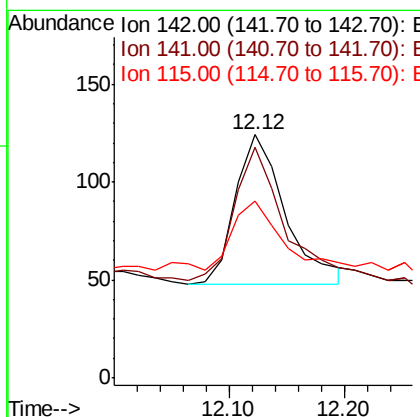
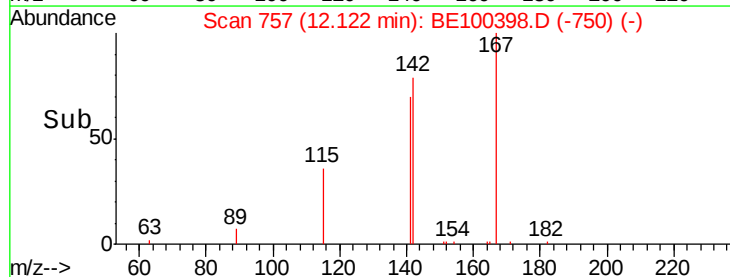
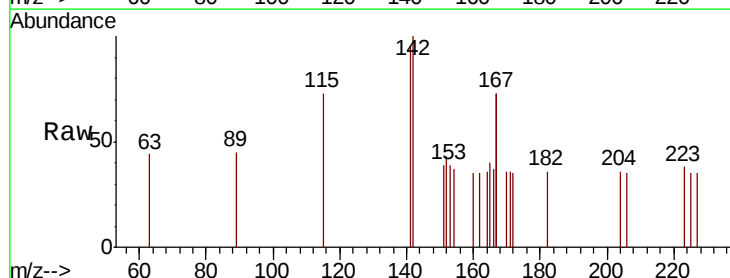
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#12
2-Methylnaphthalene
Concen: 0.055 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
141 95.2 72.4 108.6
115 72.6 40.4 60.6#





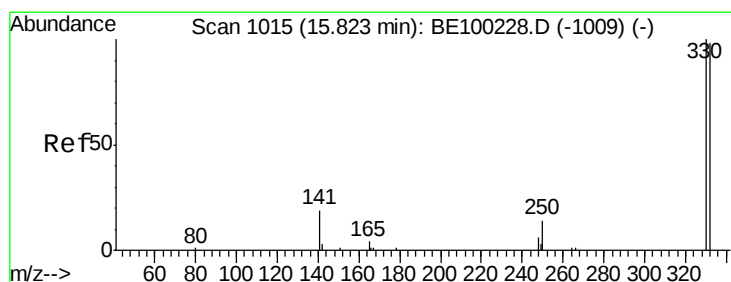
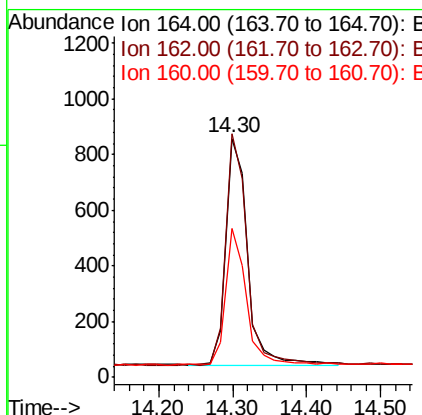
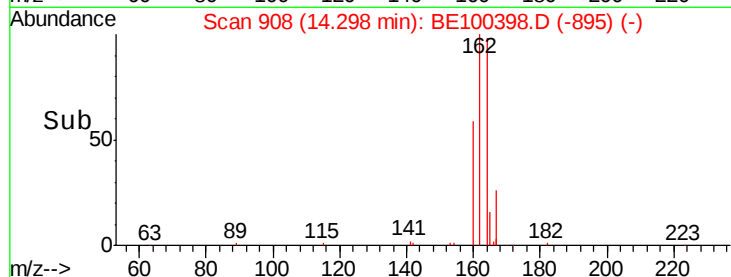
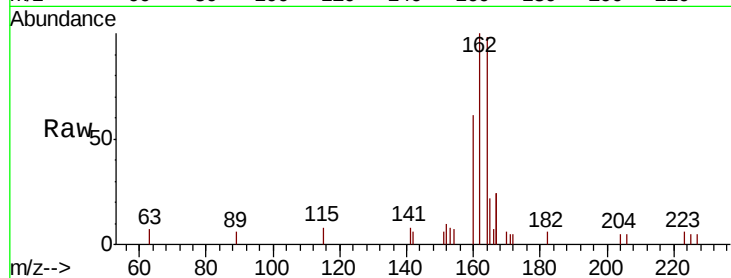
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.4	125.0
160	62.3	45.0	67.6

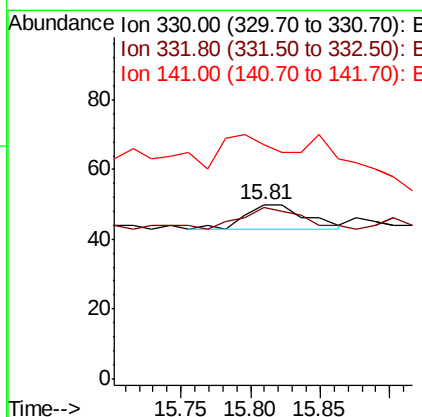
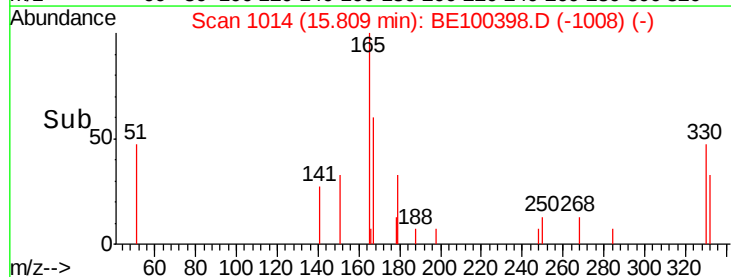
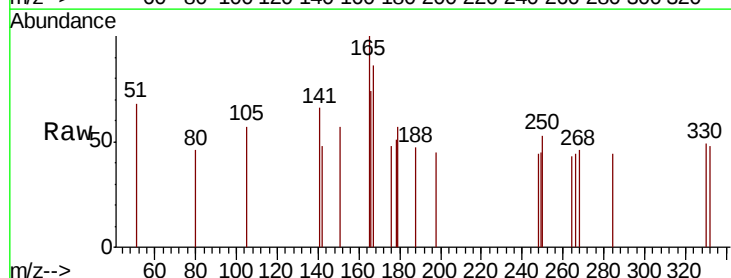
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#14
2,4,6-Tribromophenol
Concen: 0.018 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	85.7	77.0	115.4
141	119.0	22.0	33.0#





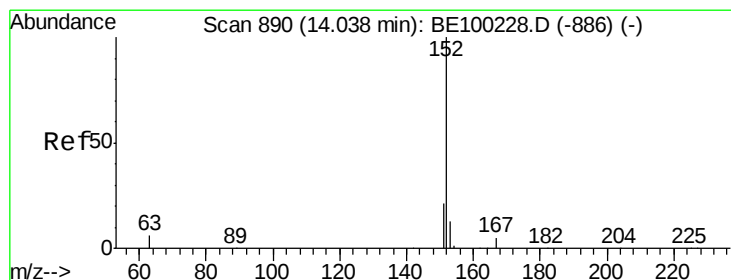
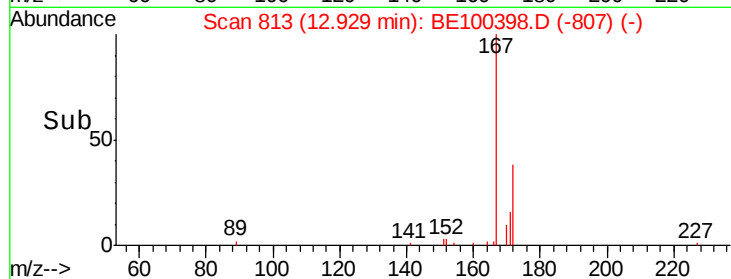
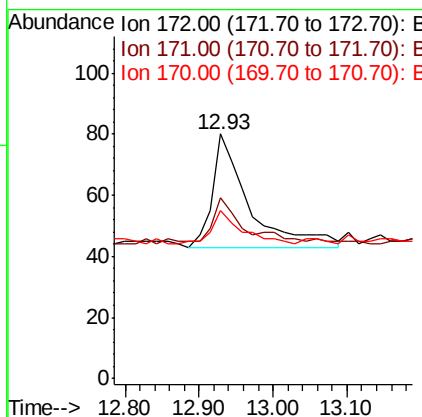
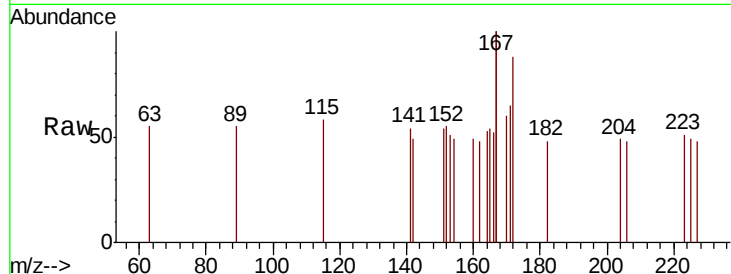
#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	73.8	31.9	47.9#
170	68.8	22.2	33.2#

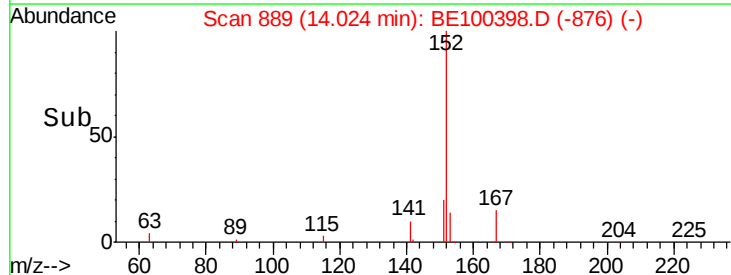
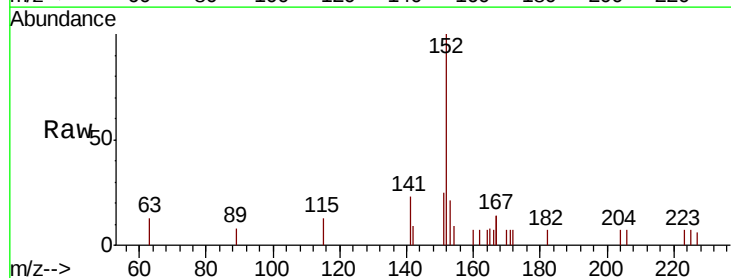
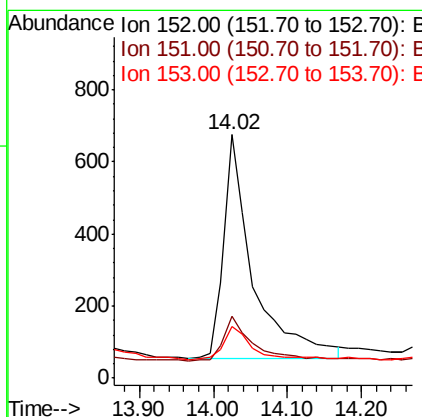
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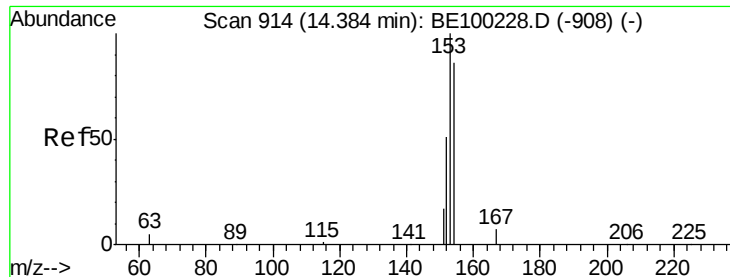
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#16
Acenaphthylene
Concen: 0.220 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.6	25.0
153	13.7	10.5	15.7





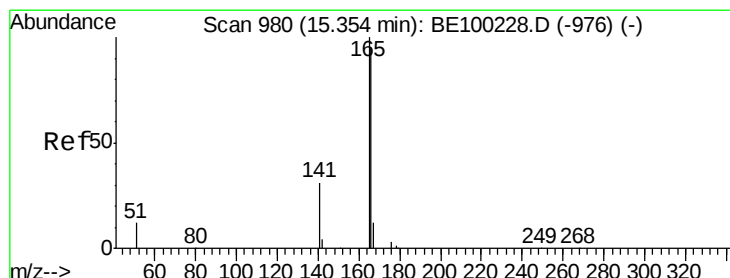
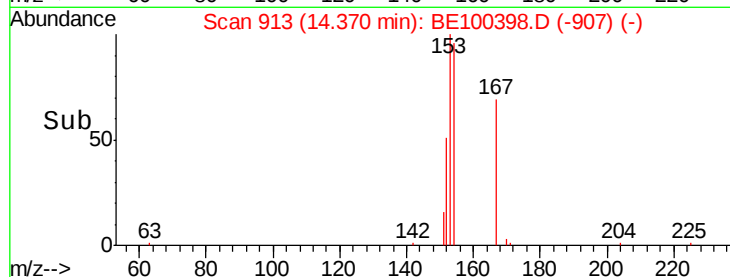
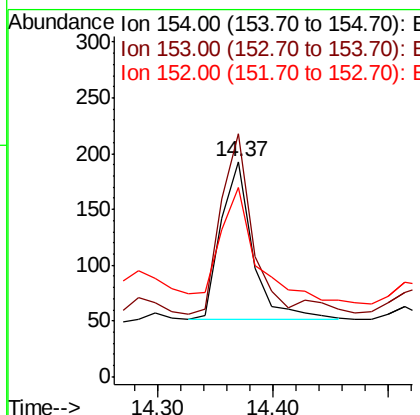
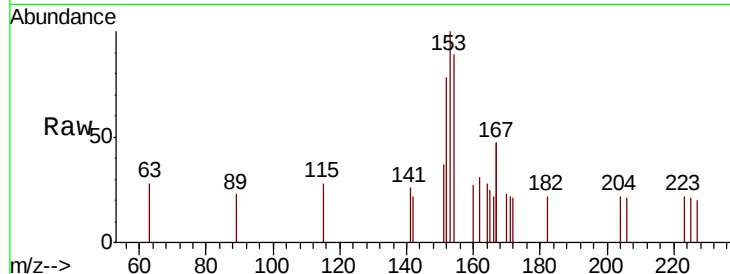
#17
Acenaphthene
Concen: 0.061 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.0	93.4	140.2
152	75.5	49.4	74.2#

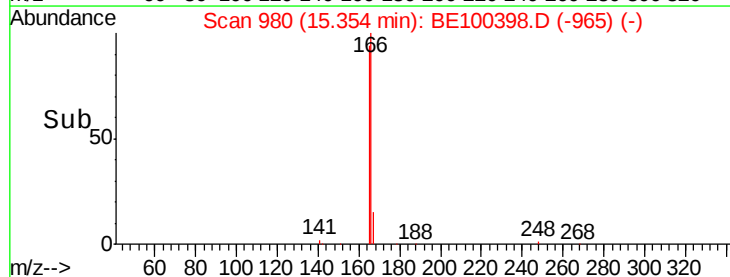
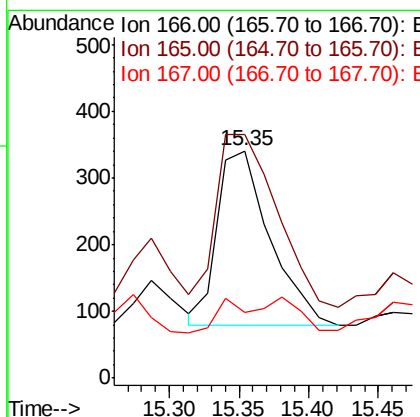
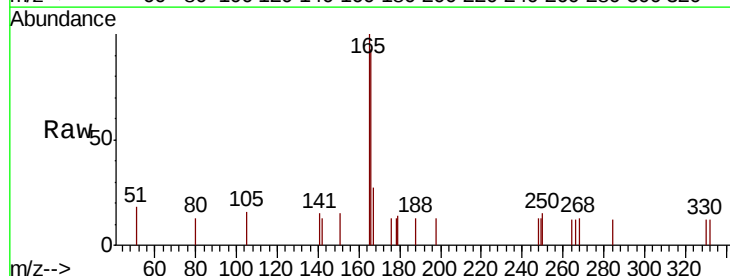
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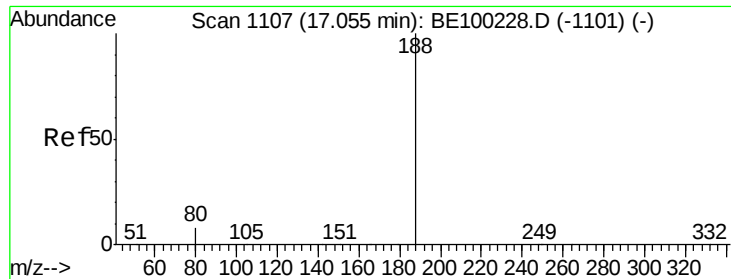
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#18
Fluorene
Concen: 0.103 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.5	81.1	121.7
167	0.0	10.7	16.1#





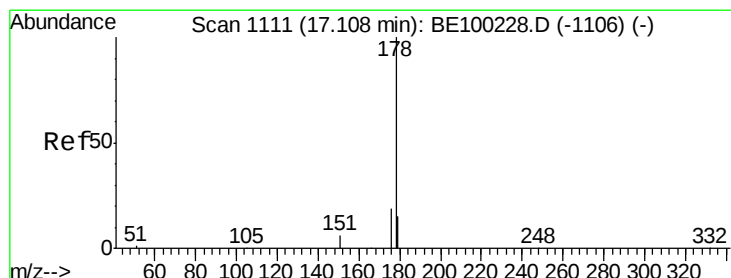
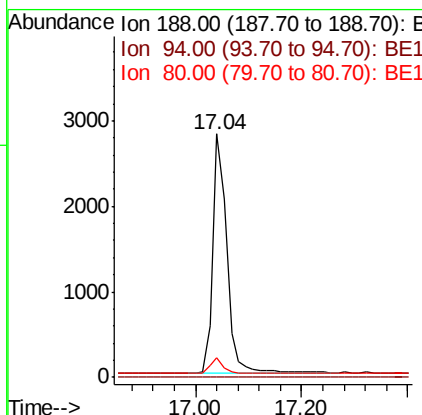
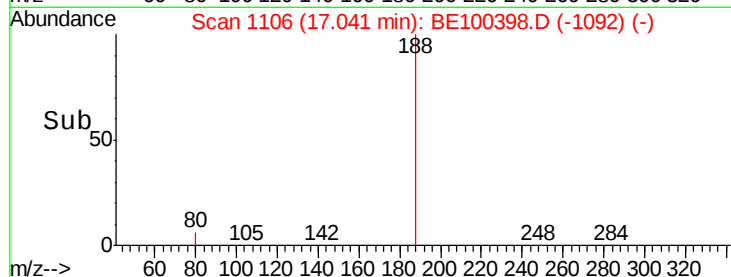
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion:	188	Resp:	5086
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.0	7.6	11.4

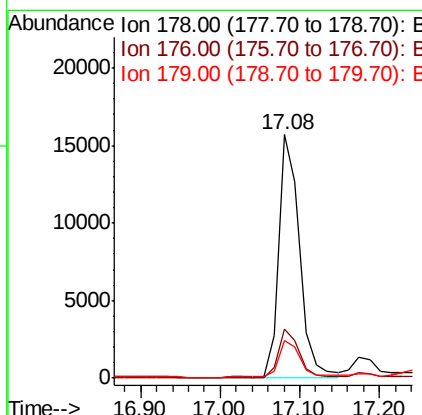
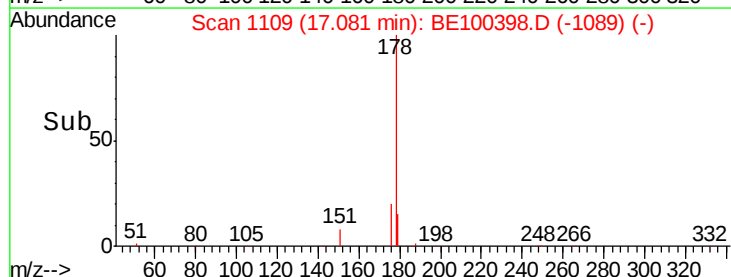
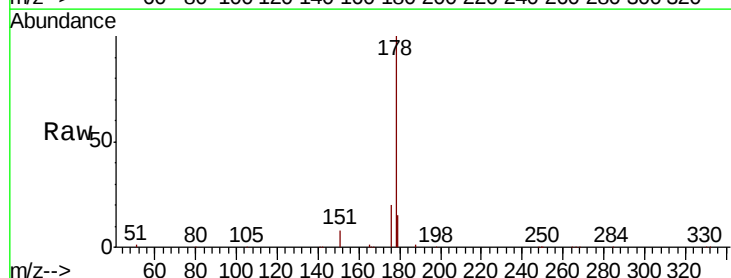
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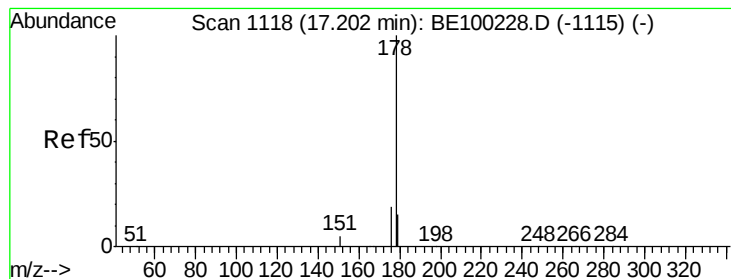
mohammad
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#23
Phenanthrene
Concen: 2.300 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion:	178	Resp:	28357
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	16.2	12.2	18.2





#24

Anthracene

Concen: 0.213 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Instrument :

BNA_E

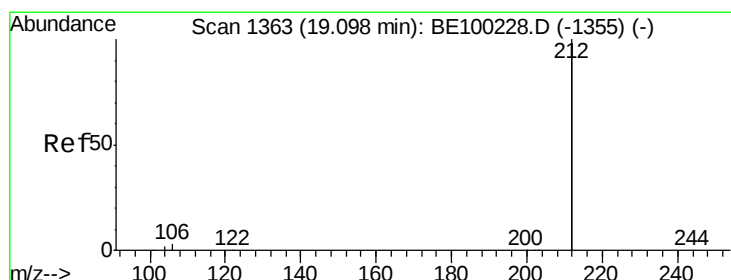
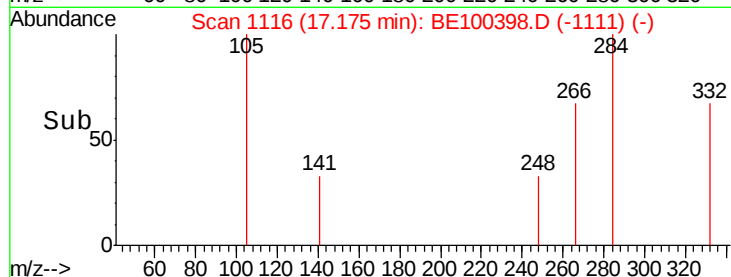
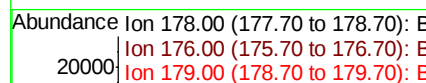
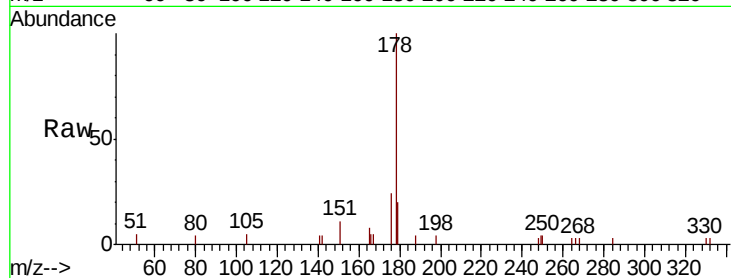
ClientSampleId :

EXT-015-SW084-062519

Tot Ion:	178	Resp:	2368
Ion Ratio	Lower	Upper	
178	100		
176	14.7	15.3	22.9#
179	8.3	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.014 ng

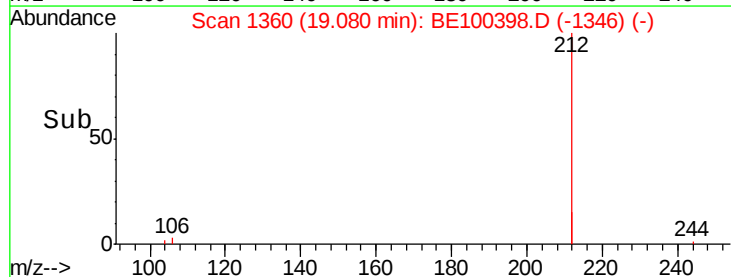
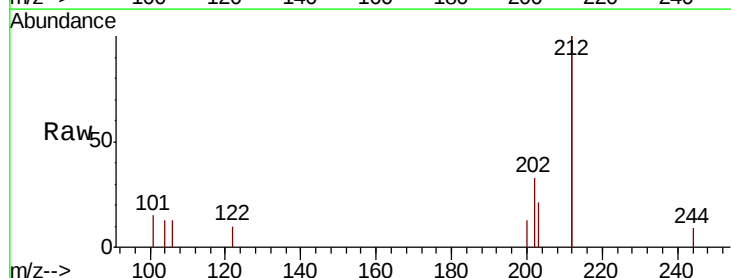
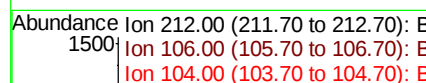
RT: 19.08 min Scan# 1360

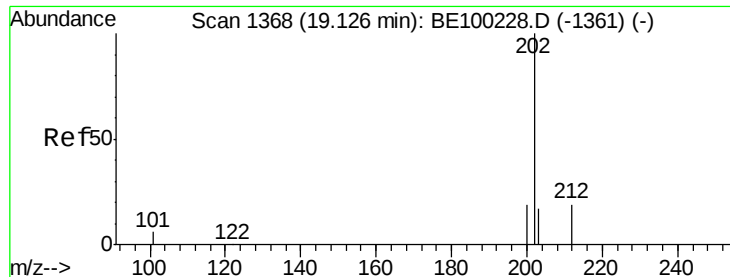
Delta R.T. -0.02 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Tgt Ion:	212	Resp:	1049
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.3	1.9
104	2.5	0.8	1.2#





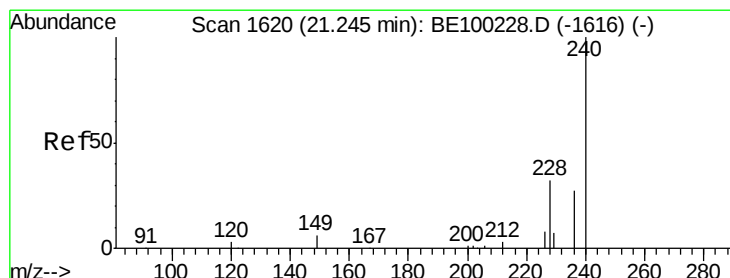
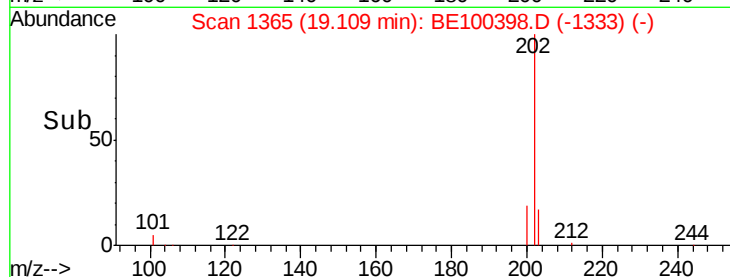
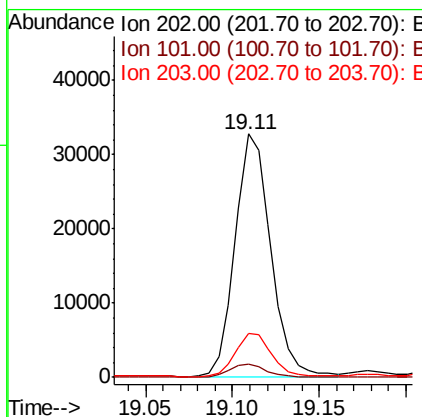
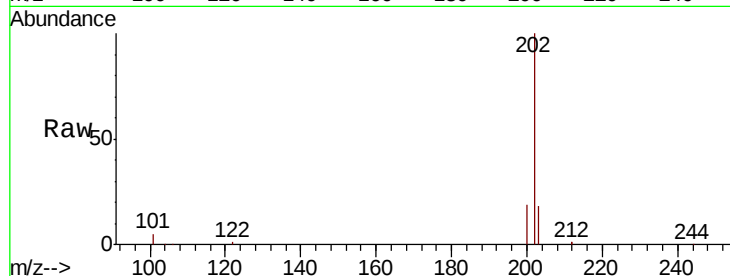
#26
Fluoranthene
 Concen: 2.376 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100398.D
 Acq: 6 Jul 2019 1:50

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW084-062519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	46650		
101	5.2		4.6	7.0
203	17.9		13.7	20.5

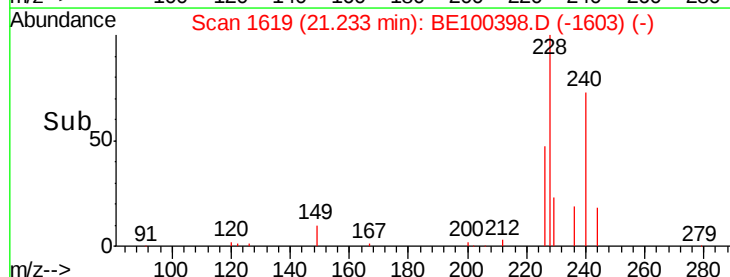
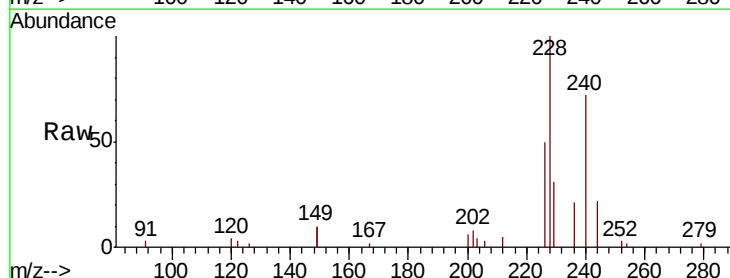
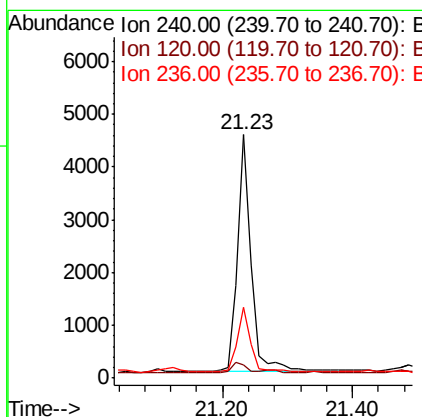
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100398.D
 Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	6781		
120	5.2		3.3	4.9#
236	28.9		22.6	34.0





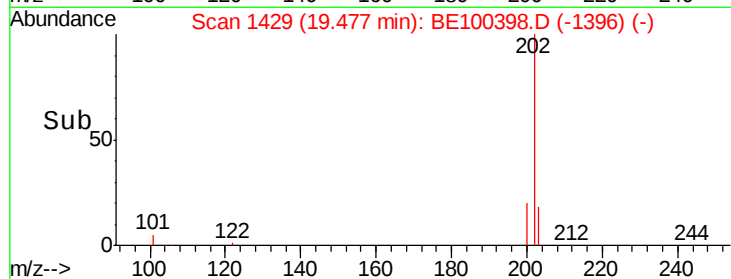
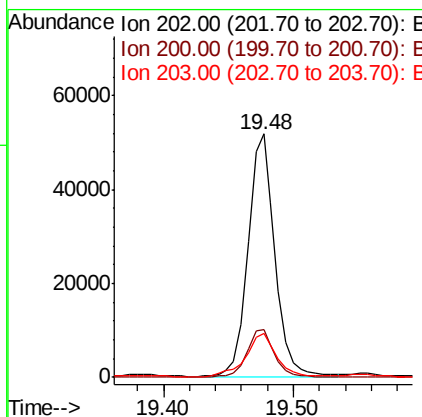
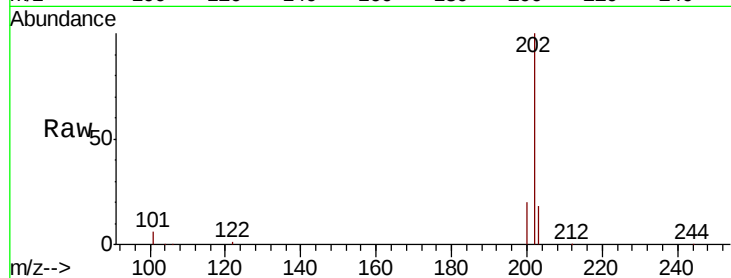
#28
Pvrene
Concen: 4.102 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.3	14.0	21.0

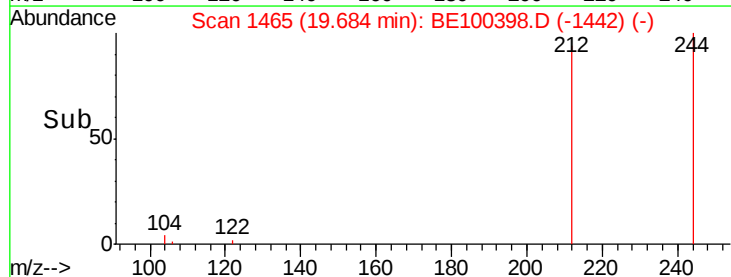
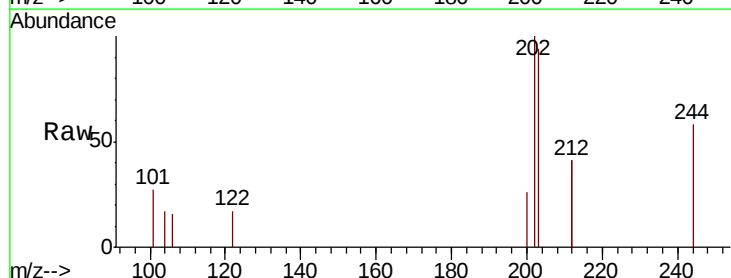
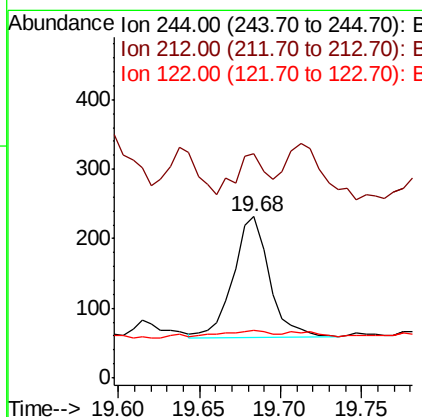
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#29
Terphenyl-d14
Concen: 0.019 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	138.8	27.3	40.9#
122	29.3	4.7	7.1#





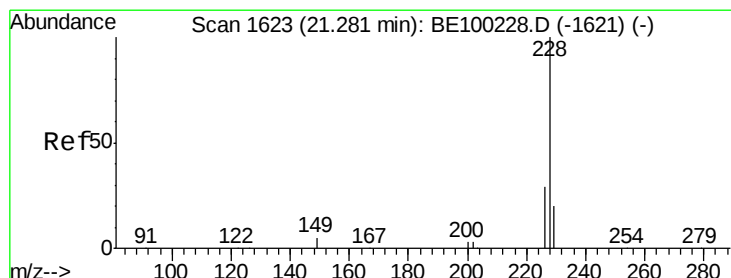
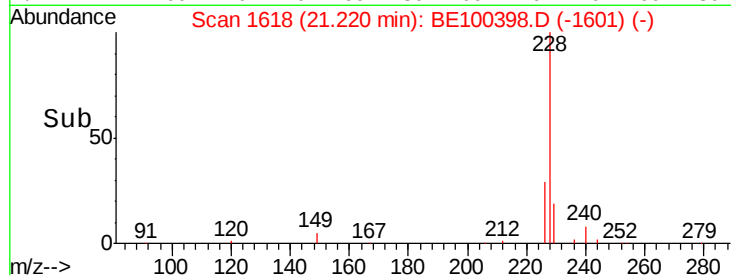
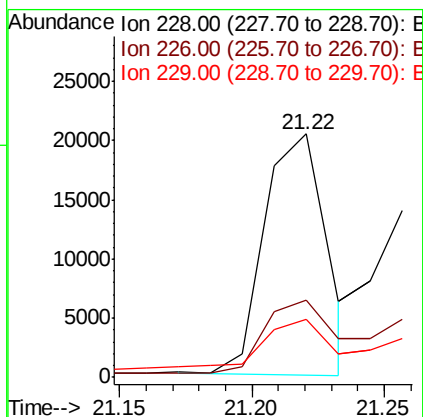
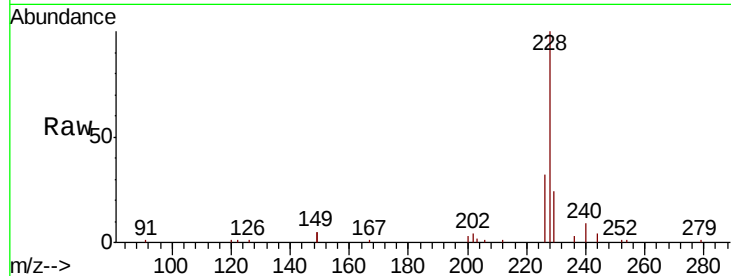
#30
Benzo(a)anthracene
Concen: 1.495 ng m
RT: 21.22 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.2	34.8
229	23.6	15.7	23.5

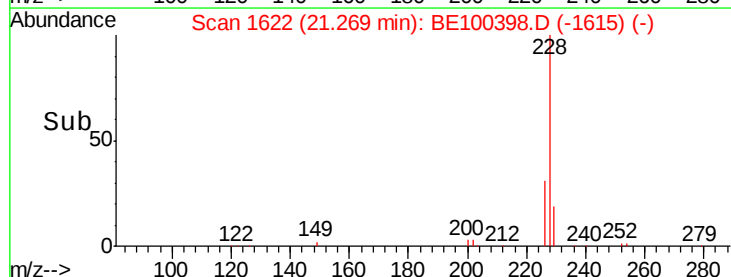
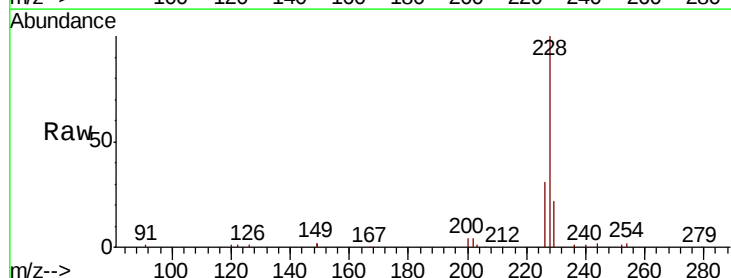
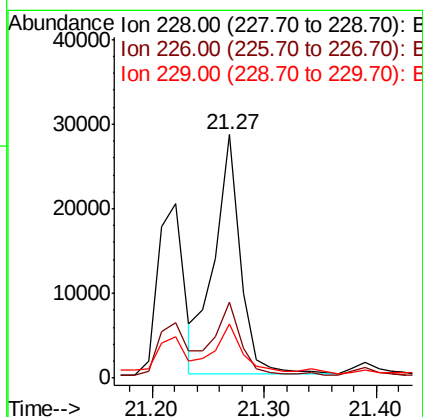
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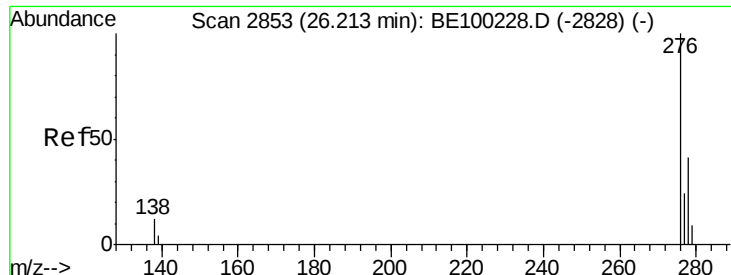
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#31
Chrysene
Concen: 2.016 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	22.0	16.5	24.7





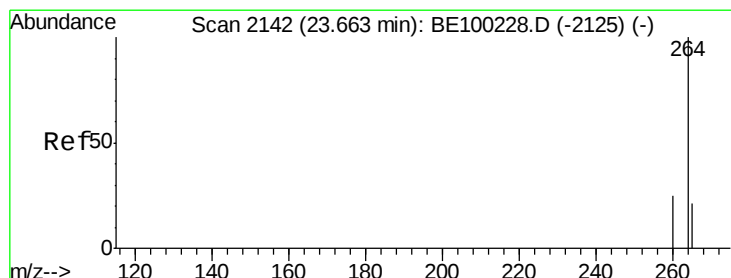
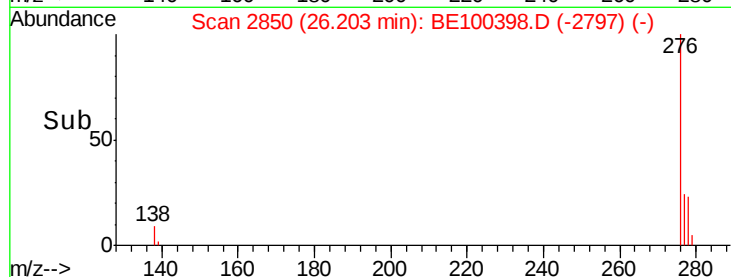
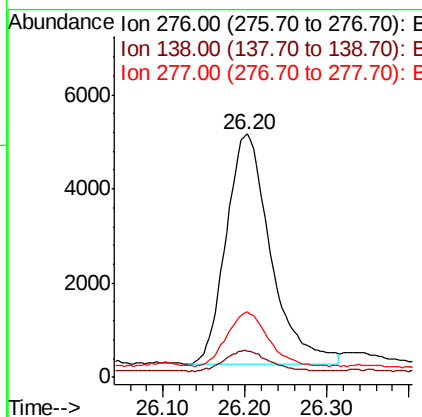
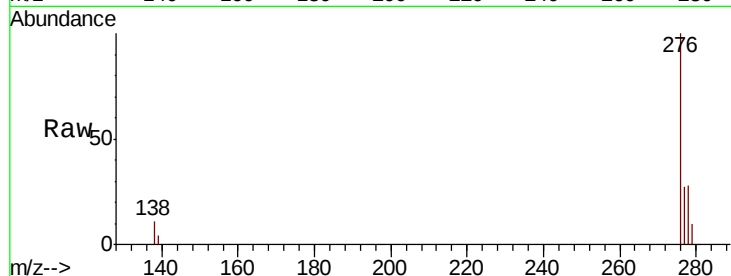
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.620 ng
RT: 26.20 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	21.7	19.2	28.8

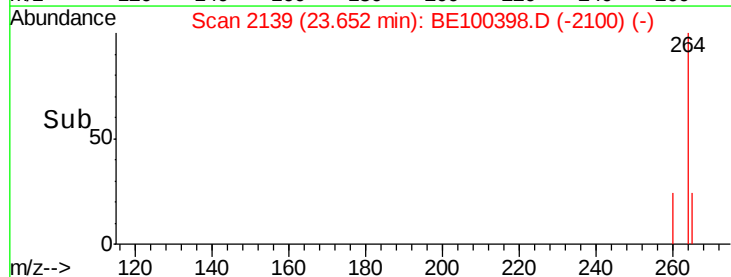
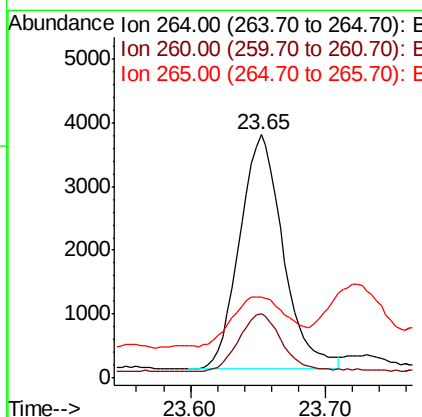
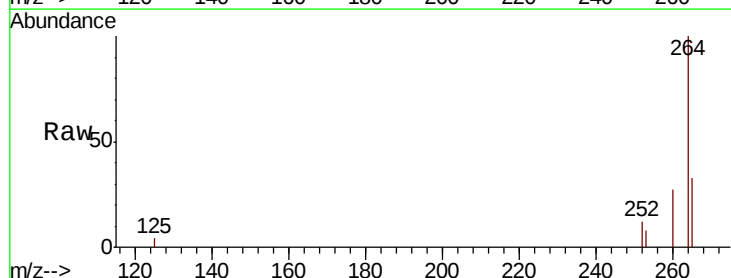
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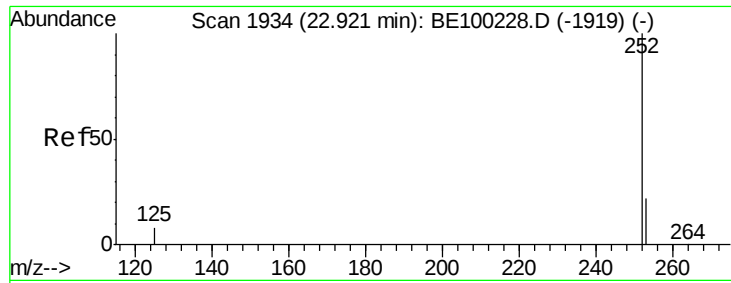
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	26.6	20.8	31.2
265	33.3	21.8	32.6#





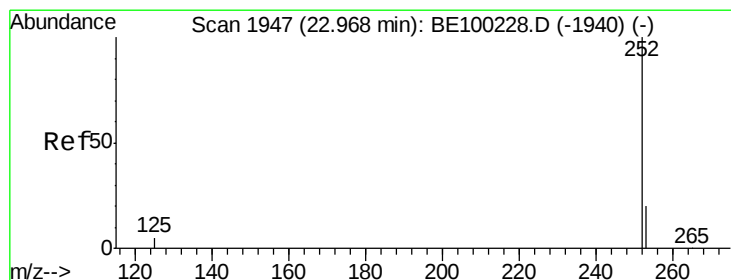
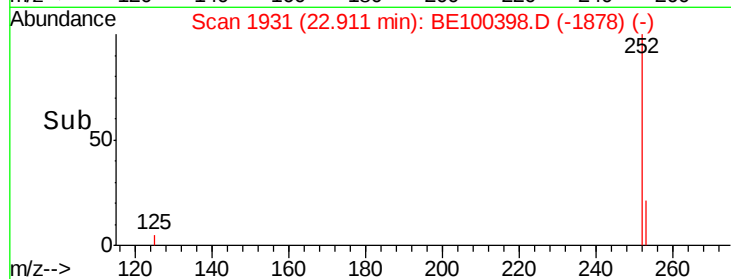
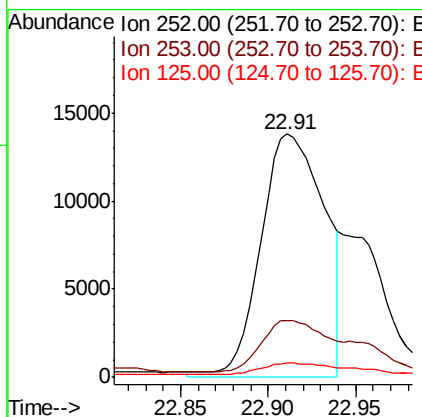
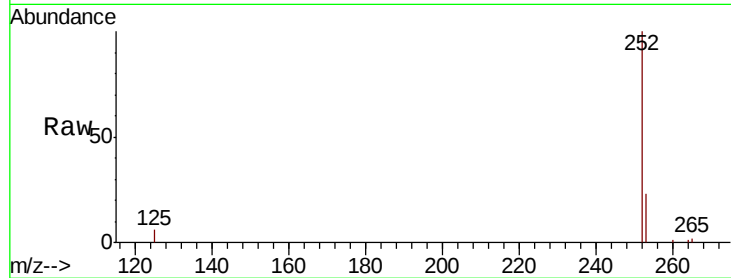
#35
Benzo(b)fluoranthene
Concen: 1.561 ng m
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	5.9	7.4	11.0

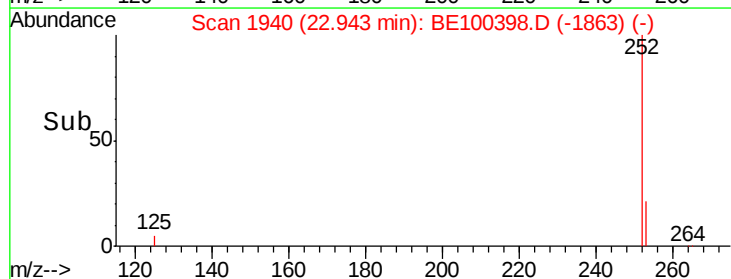
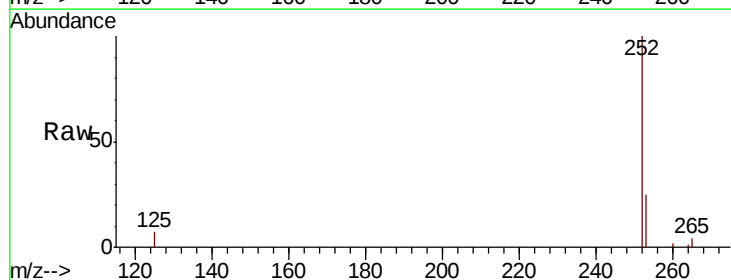
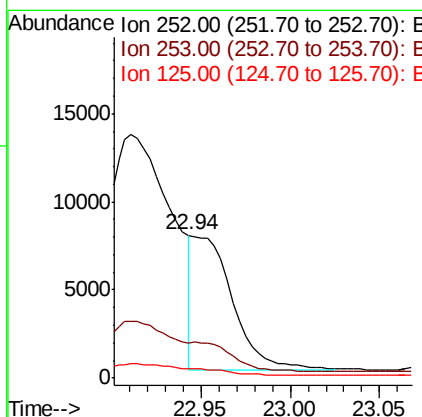
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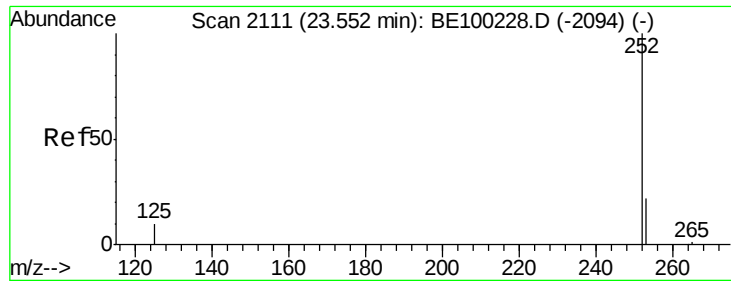
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#36
Benzo(k)fluoranthene
Concen: 0.473 ng m
RT: 22.94 min Scan# 1940
Delta R.T. -0.02 min
Lab File: BE100398.D
Acq: 6 Jul 2019 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	6.6	5.0	7.4





#37

Benzo(a)pyrene

Concen: 1.268 ng/mL

RT: 23.54 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Instrument :

BNA_E

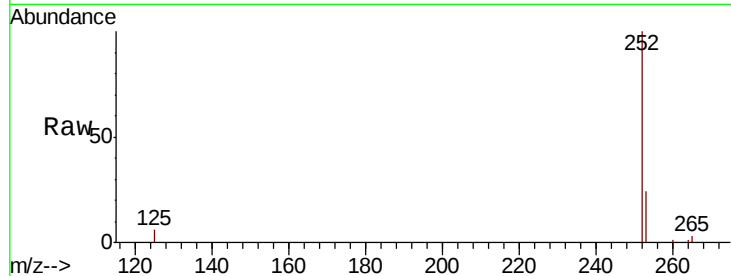
ClientSampleId :

EXT-015-SW084-062519

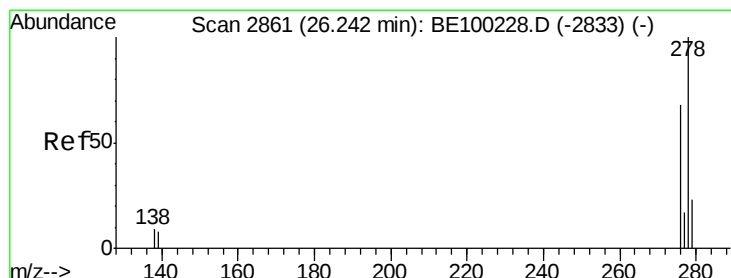
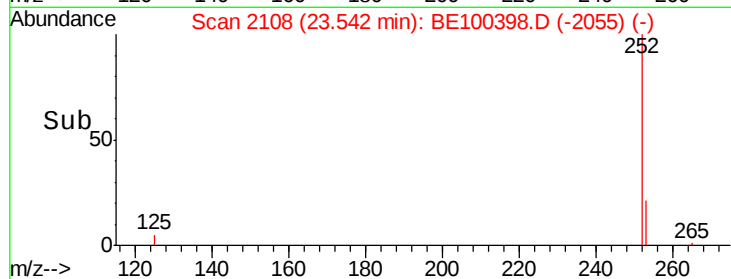
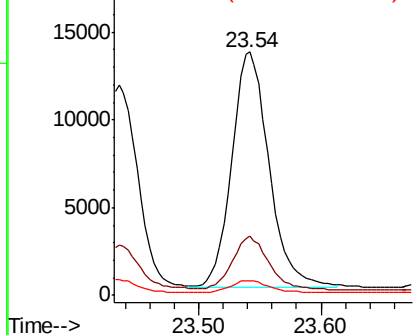
Tot Ion:	252	Resp:	28495
Ion Ratio	Lower	Upper	
252	100		
253	24.2	19.6	29.4
125	6.0	9.0	13.6

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



#38

Dibenzo(a,h)anthracene

Concen: 0.212 ng/mL

RT: 26.21 min Scan# 2852

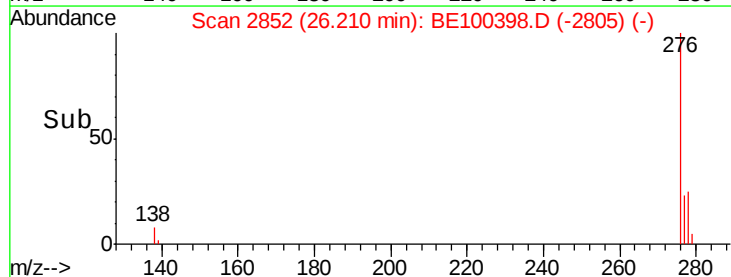
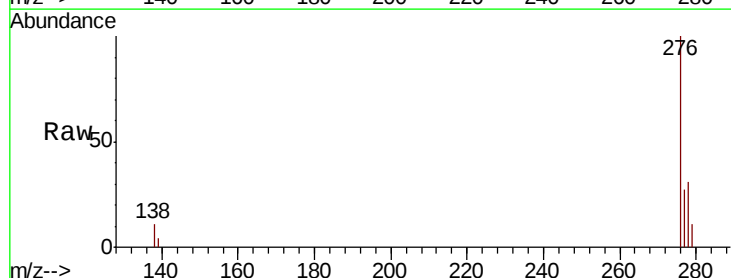
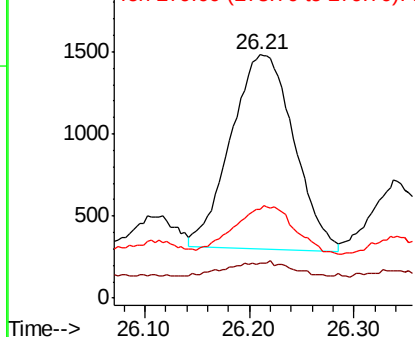
Delta R.T. -0.03 min

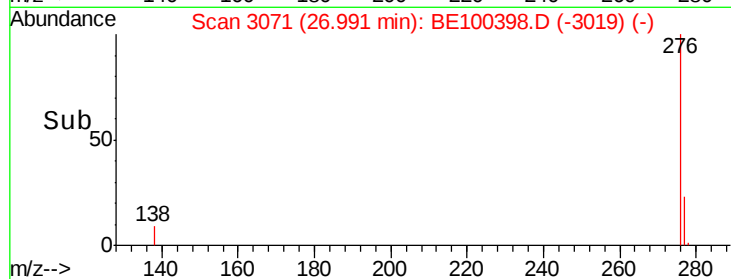
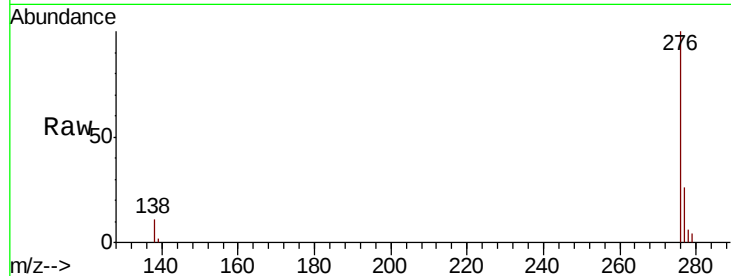
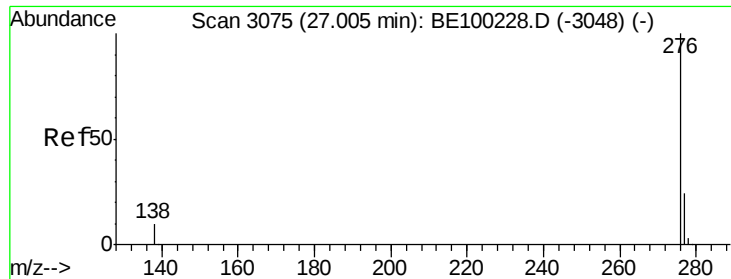
Lab File: BE100398.D

Acq: 6 Jul 2019 1:50

Tgt Ion:	278	Resp:	4969
Ion Ratio	Lower	Upper	
278	100		
139	14.6	8.2	12.2
279	36.4	20.3	30.5

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





#39
 Benzo(a,h,i)perylene
 Concen: 0.909 ng
 RT: 26.99 min Scan# 3071
 Delta R.T. -0.01 min
 Lab File: BE100398.D
 Acq: 6 Jul 2019 1:50

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW084-062519

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.2	30.2
138	11.1	9.0	13.6

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