

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100306.D
 Acq On : 2 Jul 2019 17:27
 Operator : JU/SJ
 Sample : K3445-03DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW117-061719DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:48:49 PM

Quant Time: Jul 03 03:37:35 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	7.64	152	700	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2385	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2051	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6196	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8271	0.40	ng	0.00
34) Perylene-d12	23.67	264	9751	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	31	0.02	ng	0.01
5) Phenol-d6	6.87	99	27	0.01	ng	0.03
8) Nitrobenzene-d5	8.83	82	24	0.01	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	30	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	27	0.02	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	117	0.01	ng	0.00
25) Fluoranthene-d10	19.10	212	283	0.00	ng	0.00
29) Terphenyl-d14	19.70	244	576	0.03	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	1286	0.049	ng	# 84
12) 2-Methylnaphthalene	12.12	142	208	0.045	ng	# 85
16) Acenaphthylene	14.04	152	1420	0.144	ng	98
17) Acenaphthene	14.38	154	211	0.038	ng	# 94
18) Fluorene	15.37	166	425	0.052	ng	# 90
23) Phenanthrene	17.11	178	12250	0.816	ng	100
24) Anthracene	17.19	178	1839	0.136	ng	99
26) Fluoranthene	19.13	202	29978	1.253	ng	99
28) Pyrene	19.49	202	30757	1.405	ng	97
30) Benzo(a)anthracene	21.23	228	20737m	0.763	ng	
31) Chrysene	21.28	228	19087	0.699	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	32938	0.799	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	13111	0.363	ng	96
35) Benzo(b)fluoranthene	22.93	252	24169	0.914	ng	97
36) Benzo(k)fluoranthene	22.97	252	9793m	0.332	ng	
37) Benzo(a)pyrene	23.56	252	16673	0.629	ng	97
38) Dibenzo(a,h)anthracene	26.24	278	3323	0.120	ng	# 69
39) Benzo(a,h,i)perylene	27.02	276	17442	0.614	ng	99

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

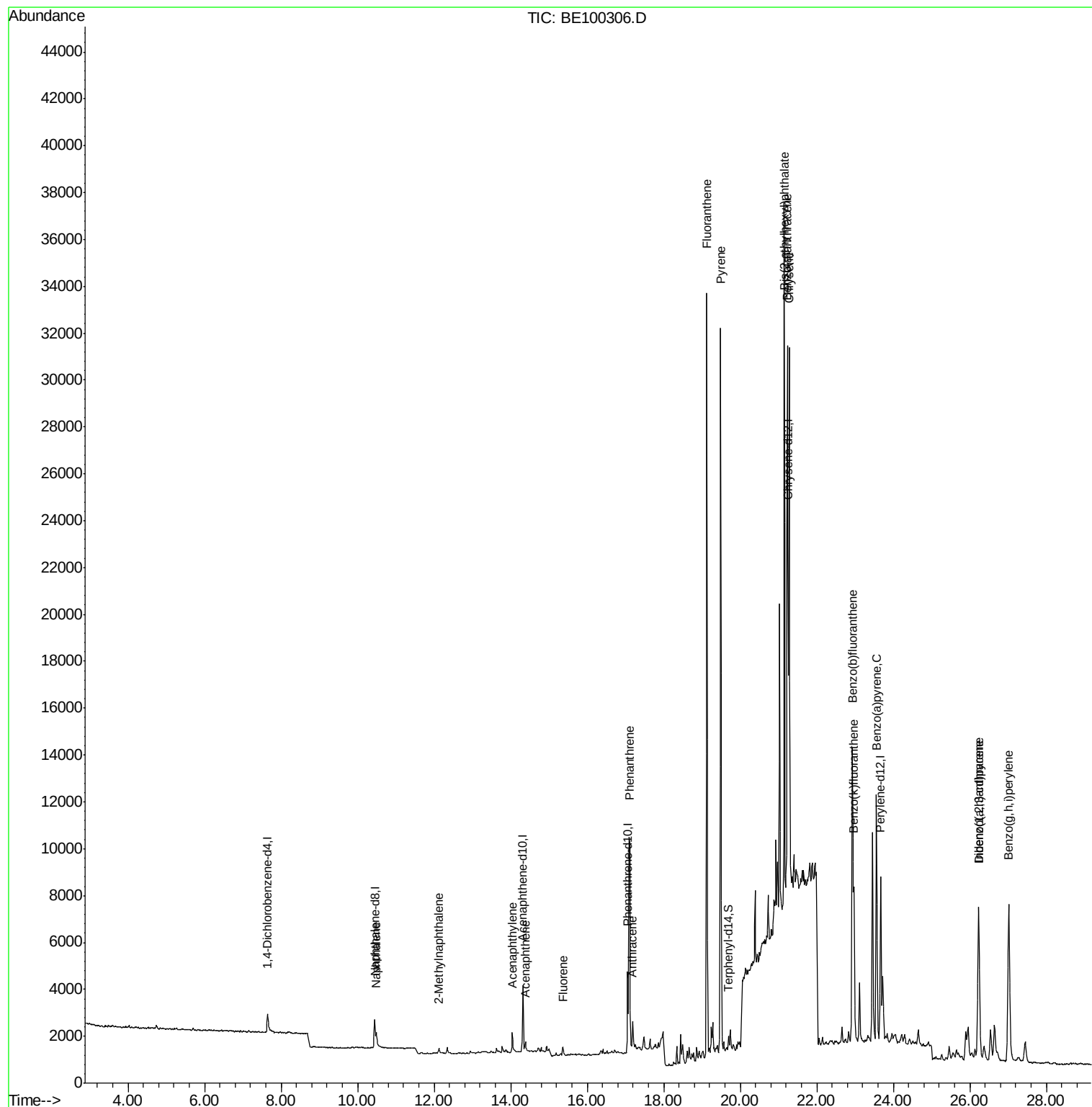
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
Data File : BE100306.D
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Operator : JU/SJ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

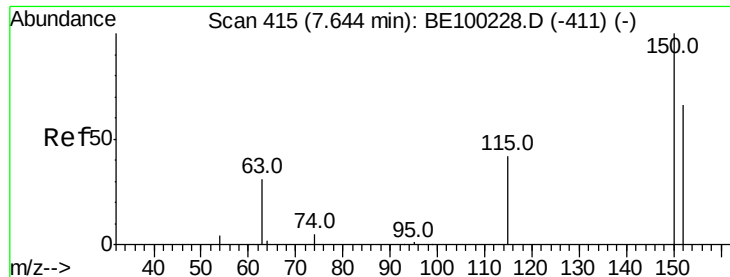
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

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Quant Time: Jul 03 03:37:35 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





#1

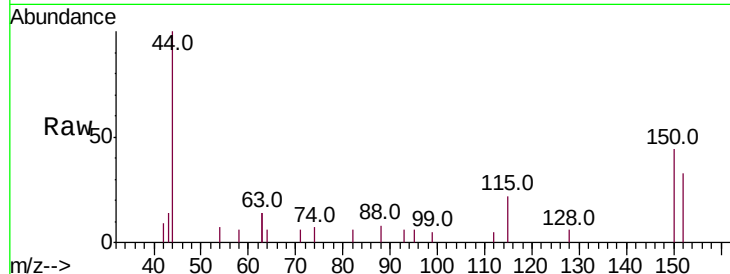
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

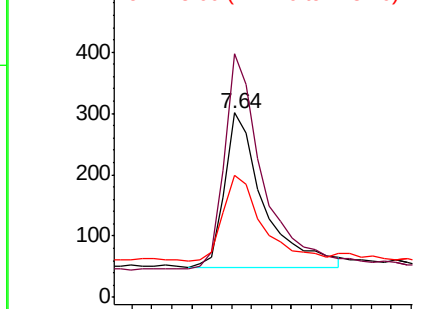
Tot Ion	Ratio	Lower	Upper
152	100		
150	131.9	114.5	171.7
115	66.1	57.1	85.7

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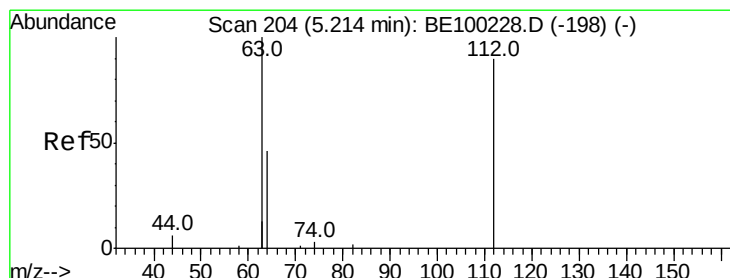
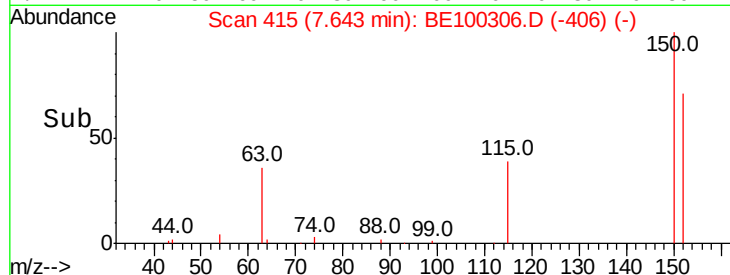
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



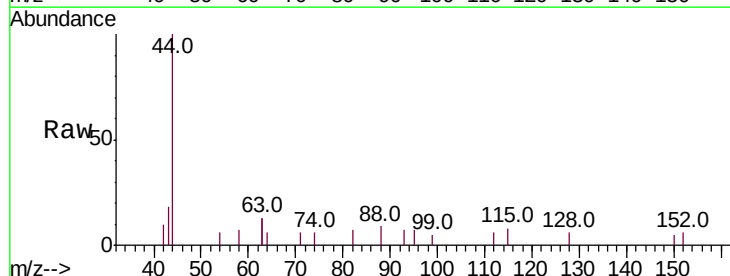
Time-->



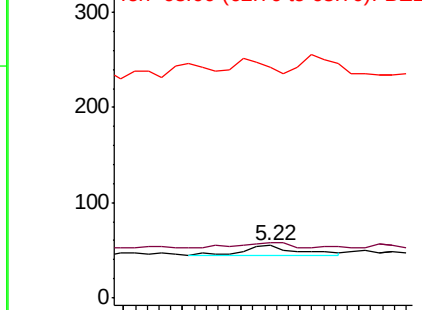
#4

2-Fluorophenol
Concen: 0.017 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

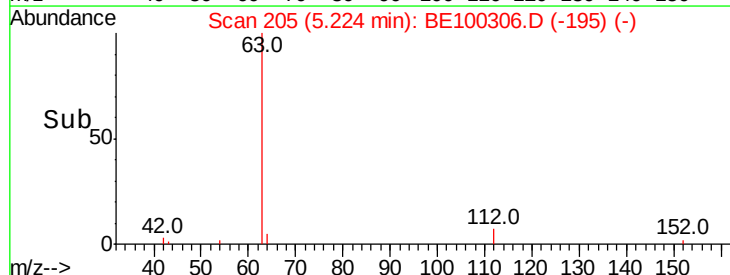
Tgt Ion	Ratio	Lower	Upper
112	100		
64	38.7	39.4	59.0#
63	0.0	104.5	156.7#

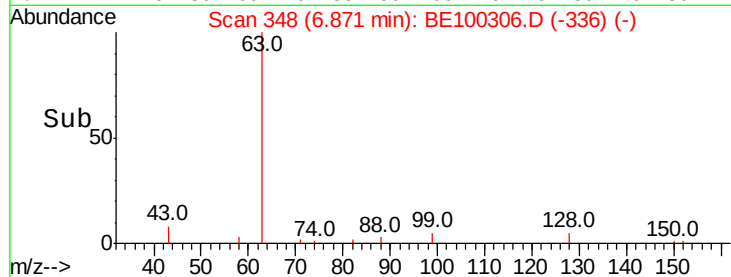
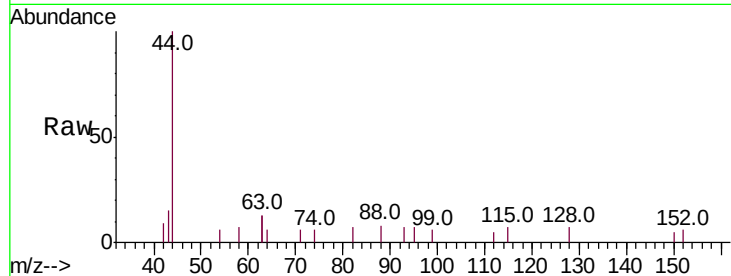
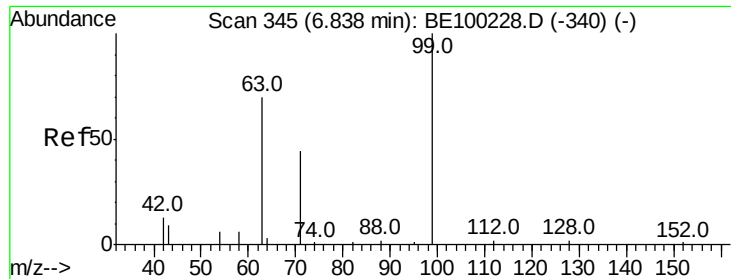


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.011 ng

RT: 6.87 min Scan# 348

Delta R.T. 0.03 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Instrument :

BNA_E

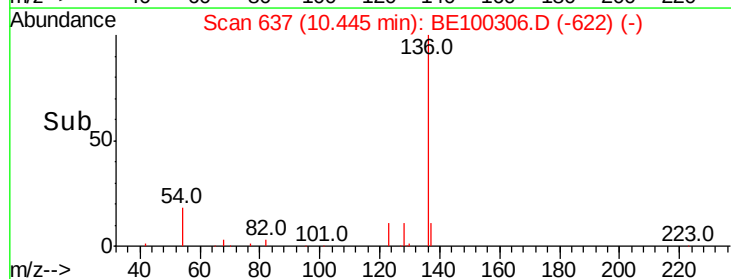
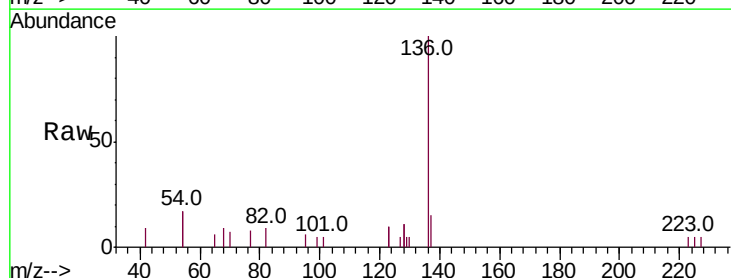
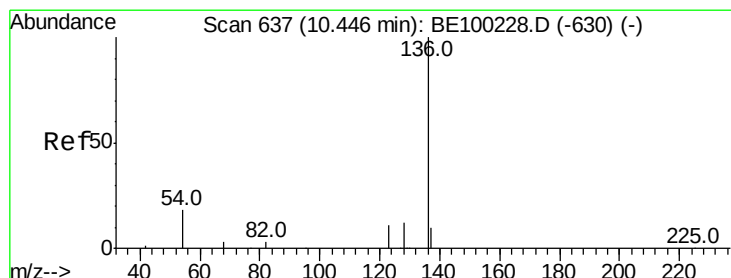
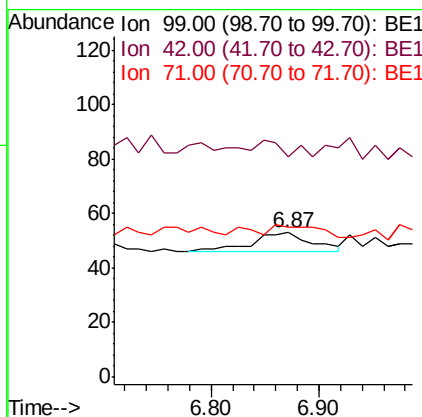
ClientSampleId :

EXT-008-SW117-061719DL

Tot Ion	99	Ratio	100	Lower	Upper
99	100				
42	0.0		11.2	16.8#	
71	51.9		37.2	55.8	

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#7

Naphthalene-d8

Concen: 0.400 ng

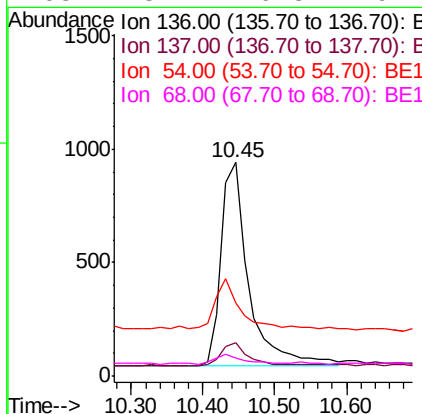
RT: 10.45 min Scan# 637

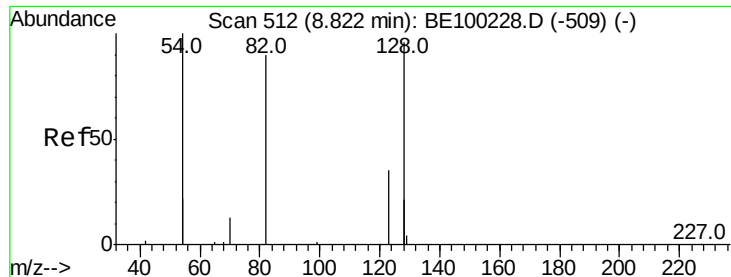
Delta R.T. -0.00 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Tgt Ion	136	Ratio	100	Lower	Upper
136	100				
137	15.4		11.8	17.8	
54	34.0		27.7	41.5	
68	8.7		6.8	10.2	





#8

Nitrobenzene-d5

Concen: 0.010 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Instrument :

BNA_E

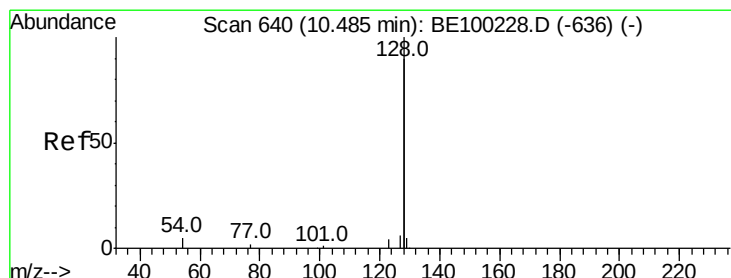
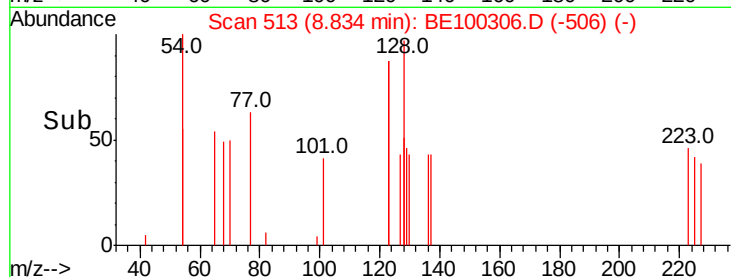
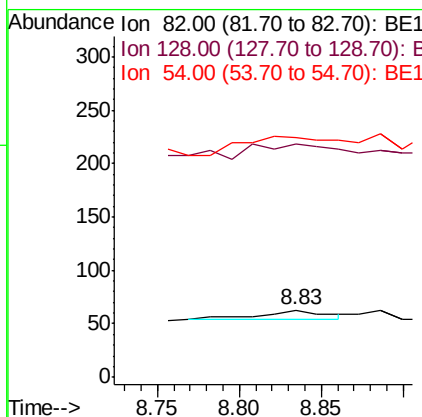
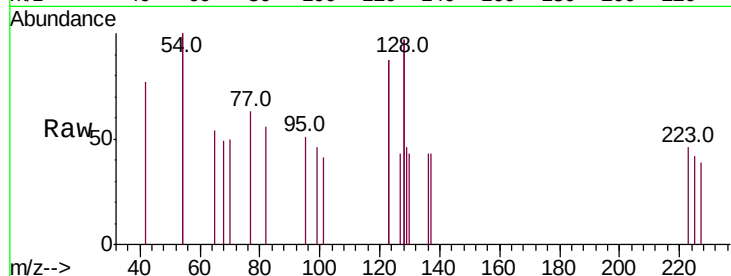
ClientSampleId :

EXT-008-SW117-061719DL

Tot Ion:	82	Resp:	24
Ion	Ratio	Lower	Upper
82	100		
128	346.0	140.9	211.3#
54	355.6	146.2	219.2#

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#9

Naphthalene

Concen: 0.049 ng

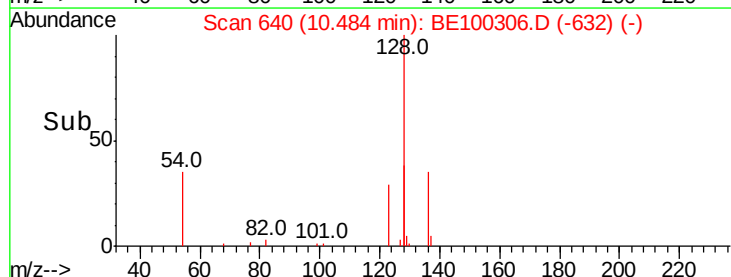
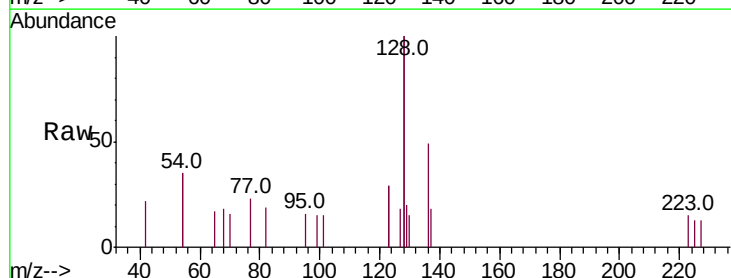
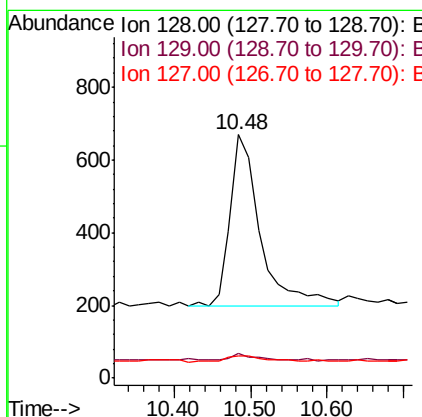
RT: 10.48 min Scan# 640

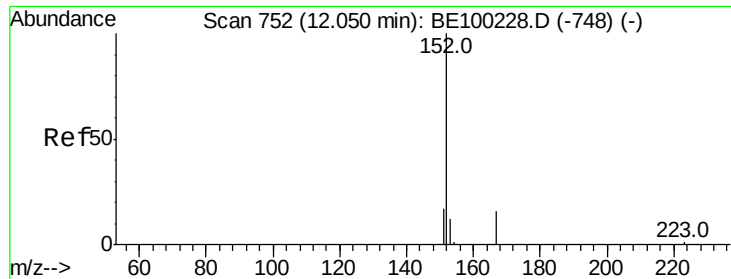
Delta R.T. -0.00 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Tgt Ion:	128	Resp:	1286
Ion	Ratio	Lower	Upper
128	100		
129	10.0	3.0	4.6#
127	9.1	3.5	5.3#





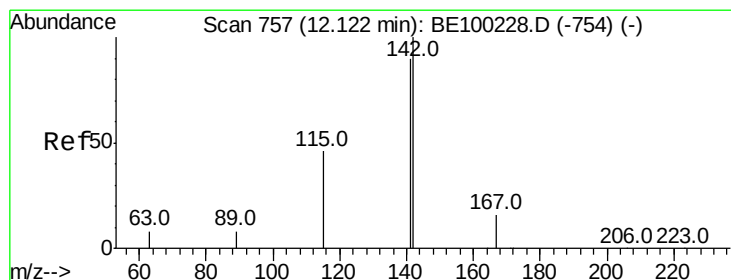
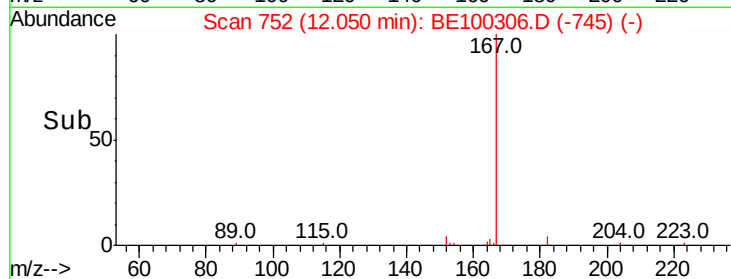
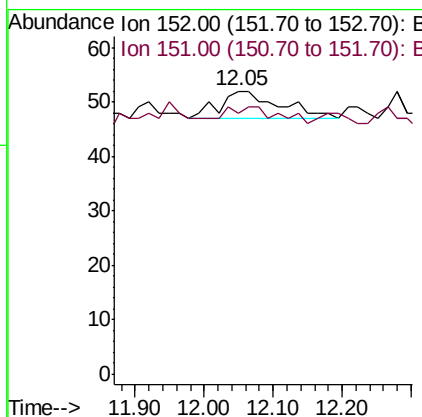
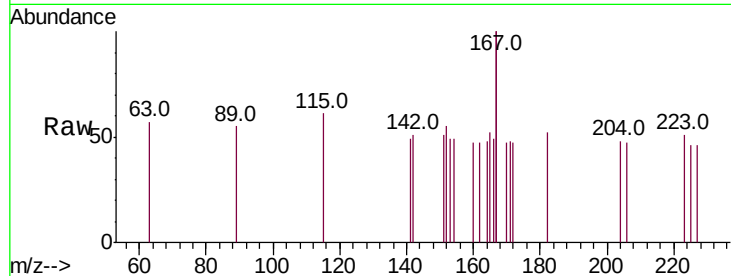
#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion:152 Resp: 30
Ion Ratio Lower Upper
152 100
151 53.3 15.1 22.7#

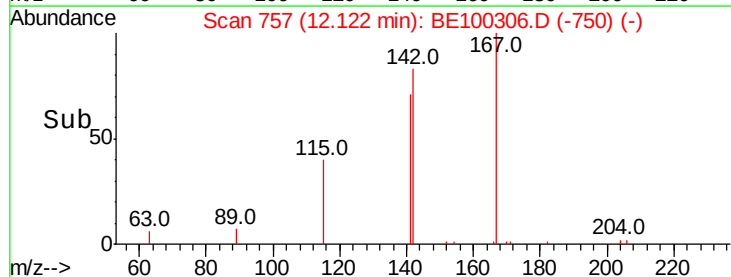
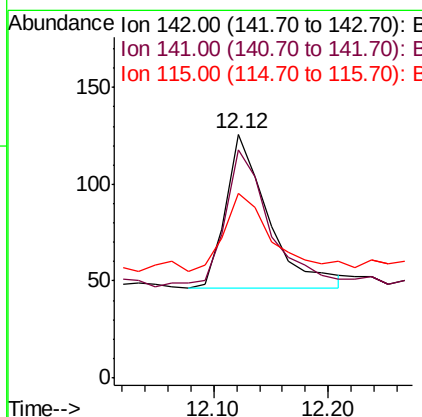
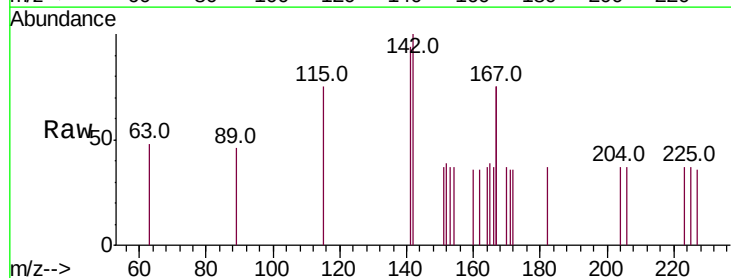
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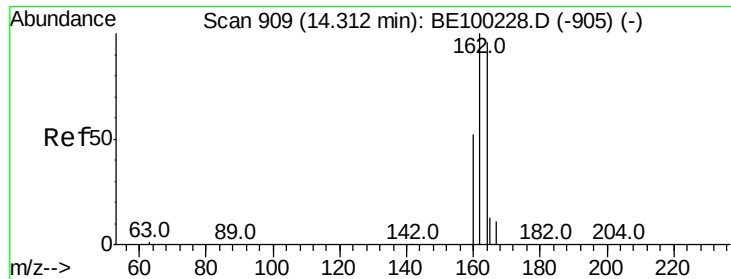
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#12
2-Methylnaphthalene
Concen: 0.045 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion:142 Resp: 208
Ion Ratio Lower Upper
142 100
141 93.7 72.4 108.6
115 75.4 40.4 60.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Instrument :

BNA_E

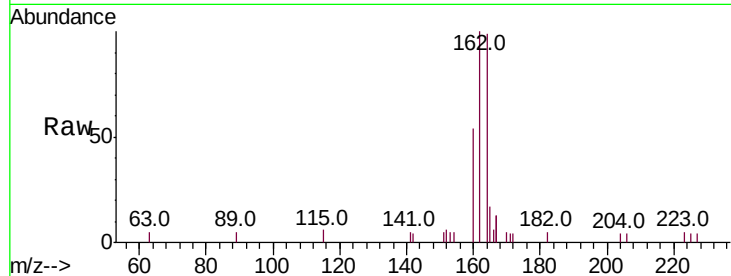
ClientSampleId :

EXT-008-SW117-061719DL

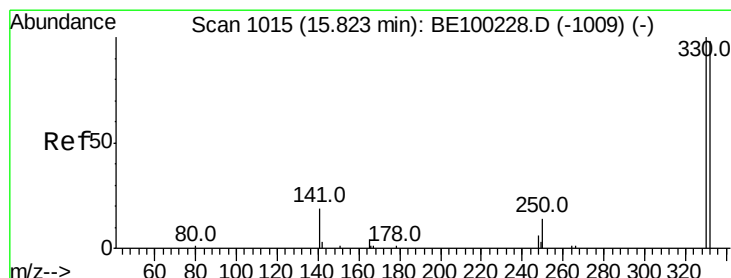
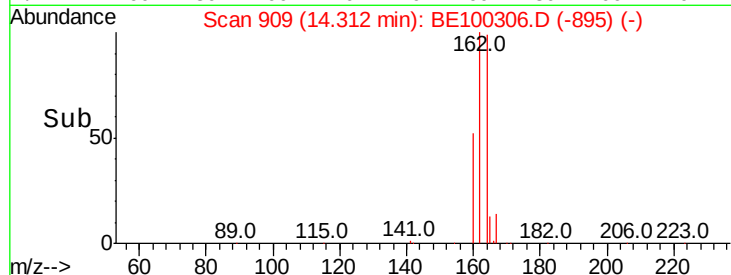
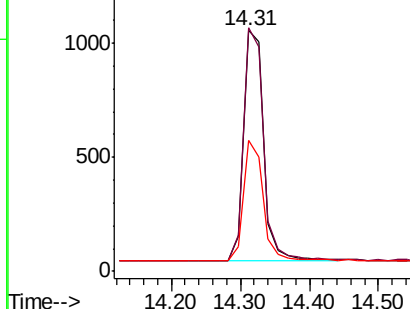
Tot Ion:	164	Resp:	2051
Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.4	125.0
160	54.3	45.0	67.6

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.019 ng

RT: 15.81 min Scan# 1014

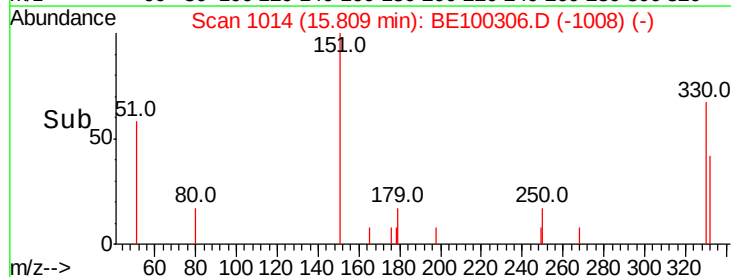
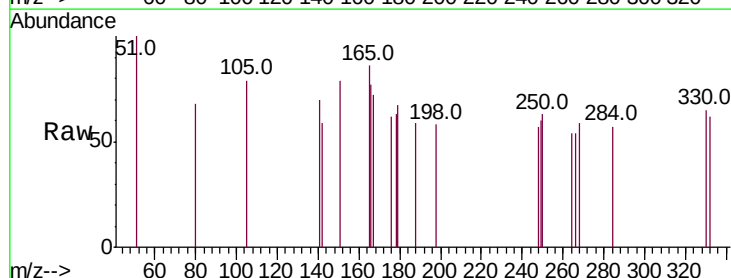
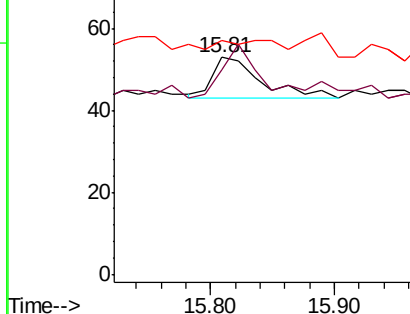
Delta R.T. -0.01 min

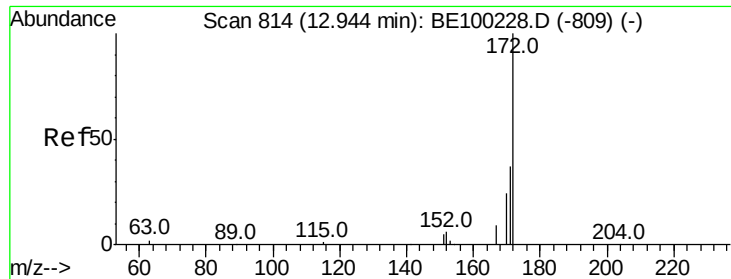
Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Tgt Ion:	330	Resp:	27
Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.0	115.4
141	22.2	22.0	33.0

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





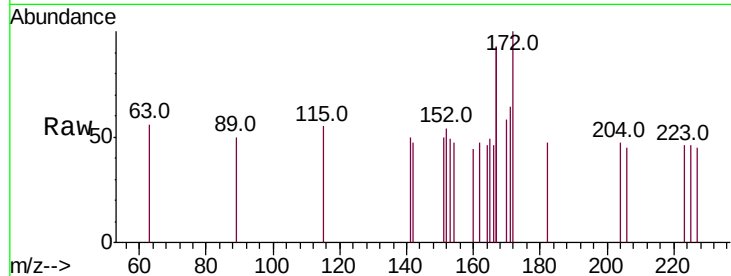
#15
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

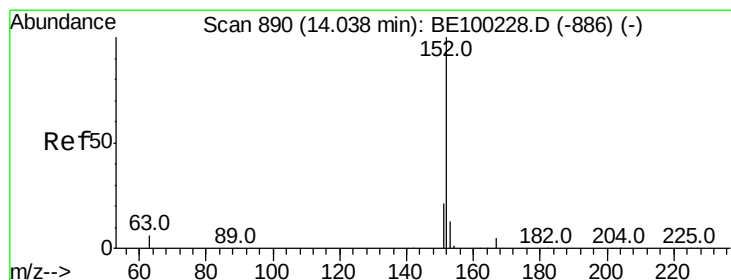
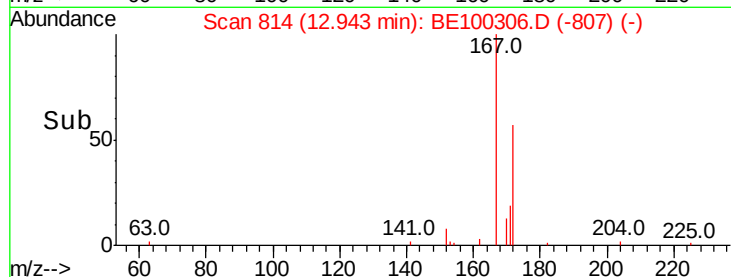
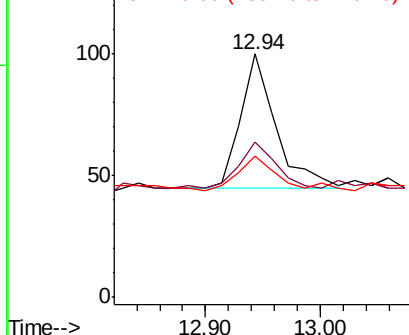
Tot Ion	Ratio	Lower	Upper
172	100		
171	64.0	31.9	47.9#
170	58.0	22.2	33.2#

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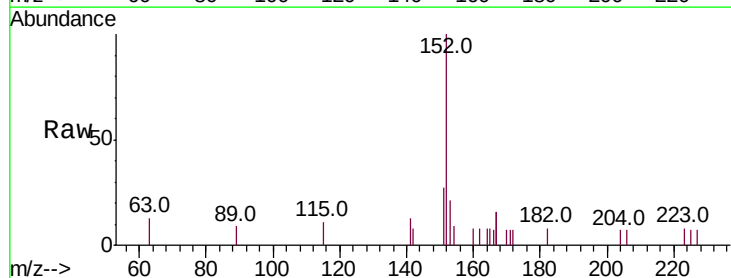


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

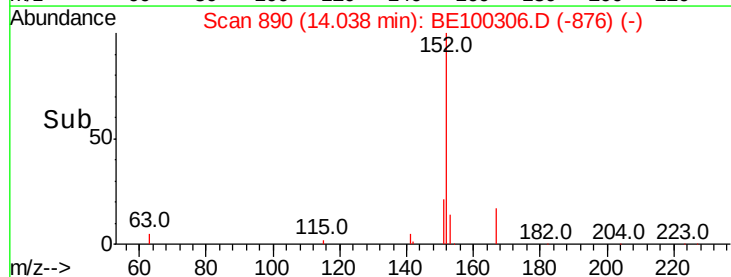
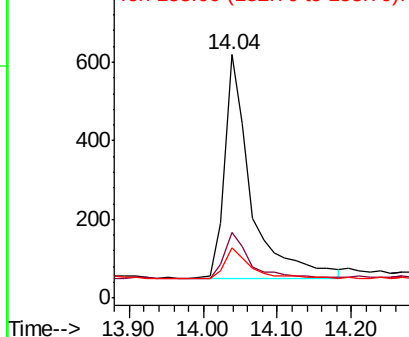


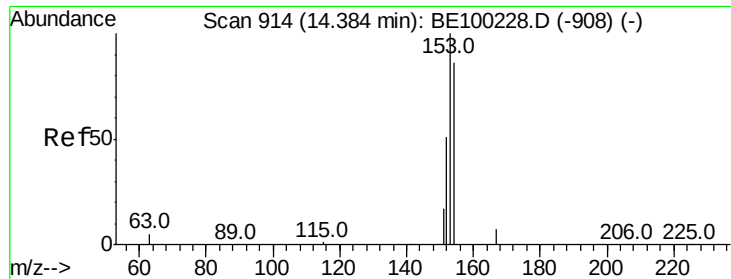
#16
Acenaphthylene
Concen: 0.144 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	13.9	10.5	15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





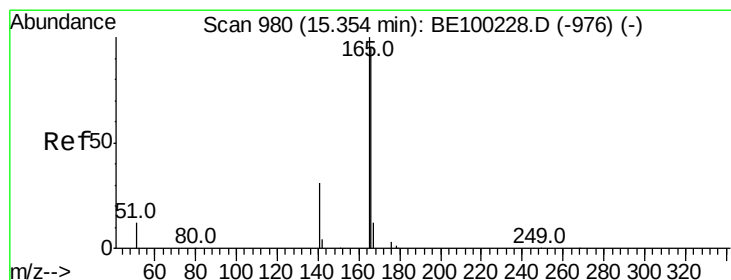
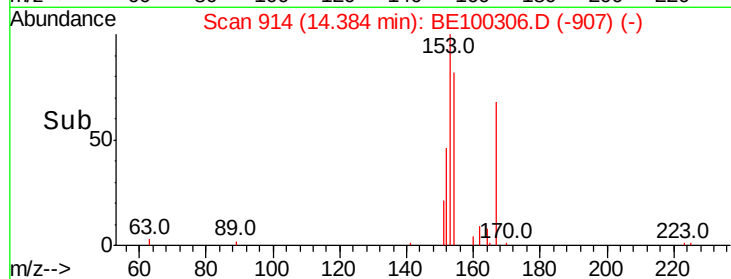
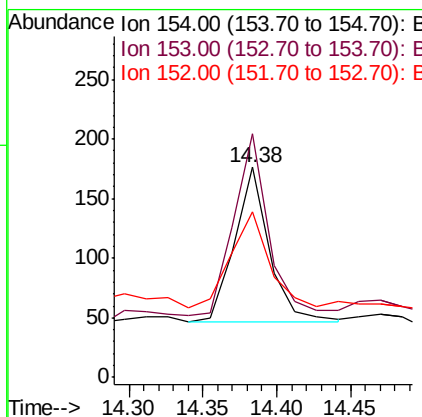
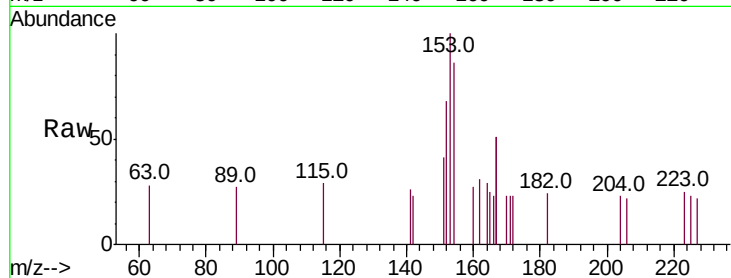
#17
Acenaphthene
Concen: 0.038 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.4	140.2
152	74.9	49.4	74.2#

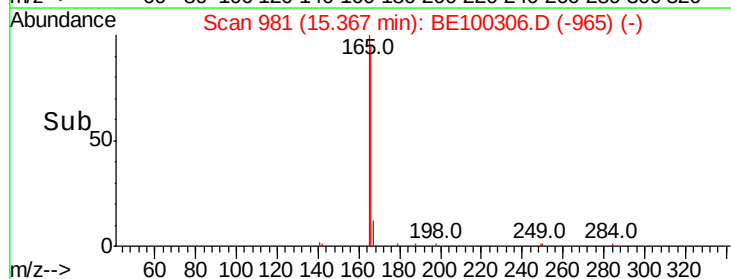
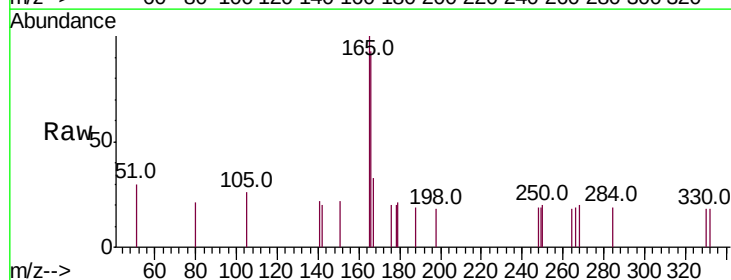
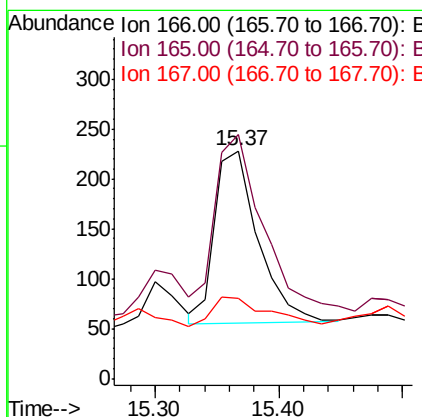
Manual Integrations
APPROVED

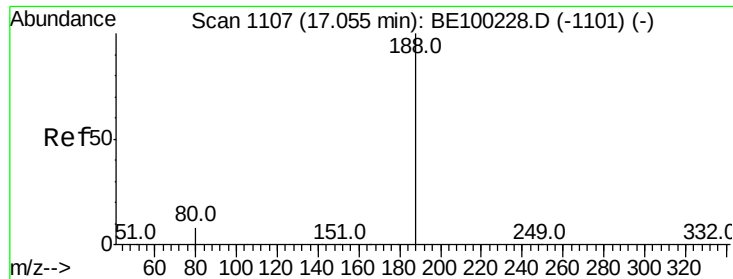
mohammad
7/3/2019 10:48:49 PM



#18
Fluorene
Concen: 0.052 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.1	81.1	121.7
167	21.9	10.7	16.1#





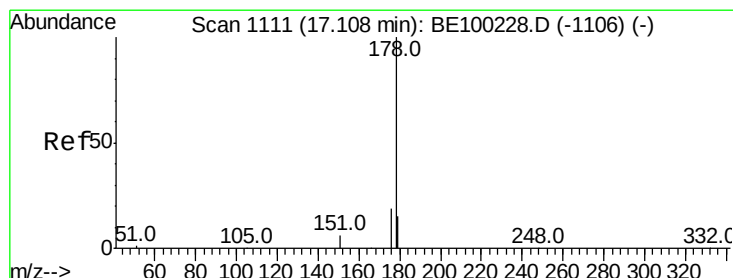
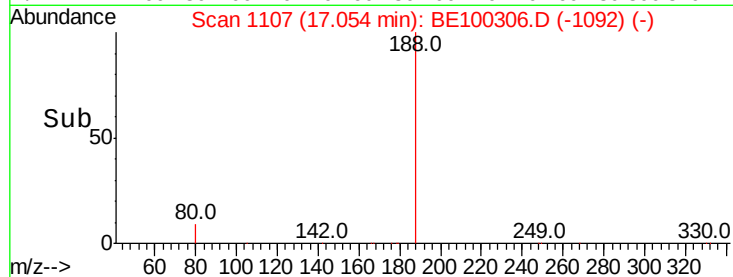
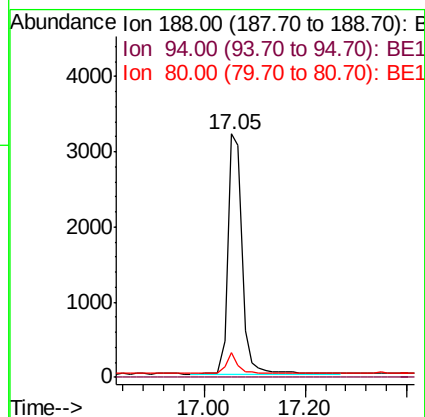
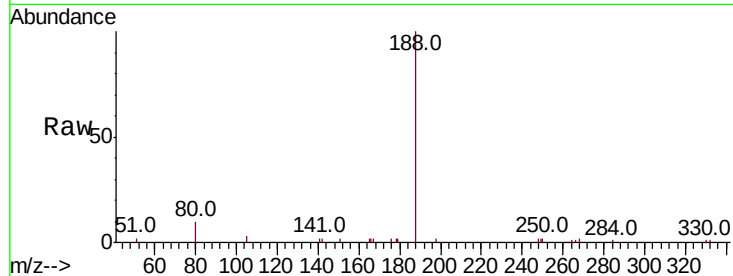
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6196		
94	0.0	0.0	0.0	0.0
80	10.2	7.6	11.4	

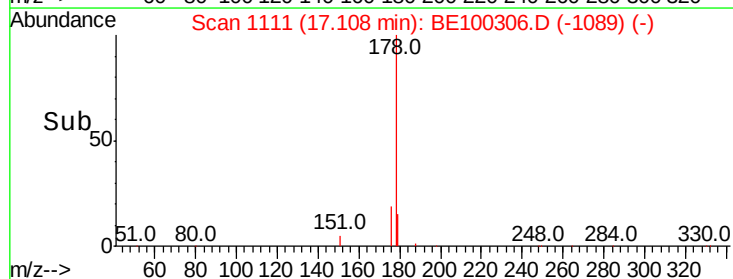
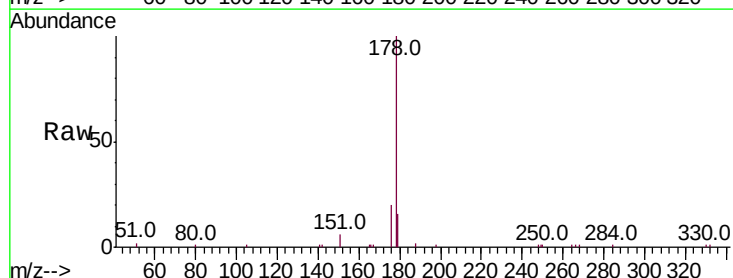
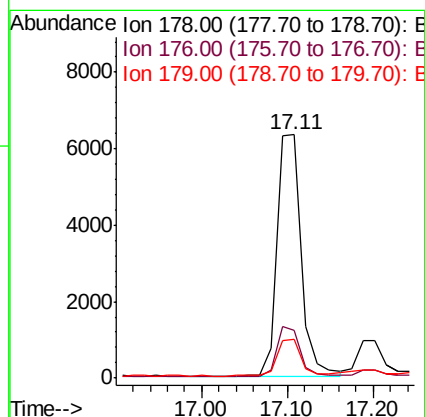
Manual Integrations
APPROVED

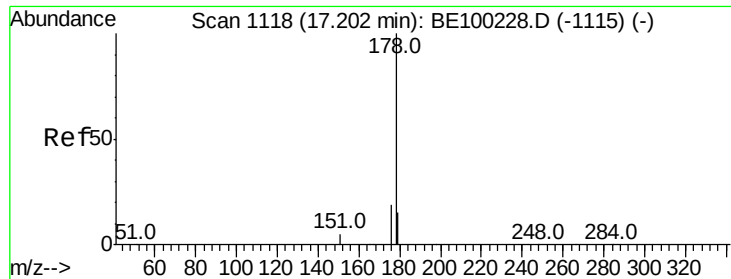
mohammad
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#23
Phenanthrene
Concen: 0.816 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	12250		
176	19.6	15.9	23.9	
179	15.2	12.2	18.2	





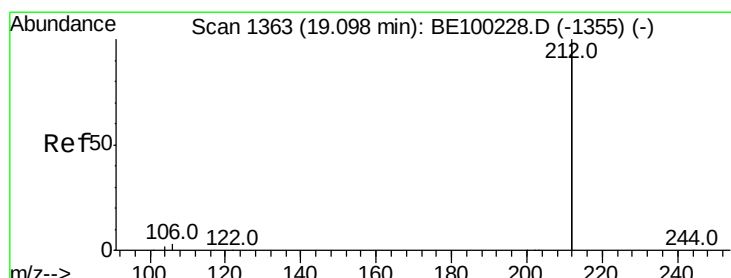
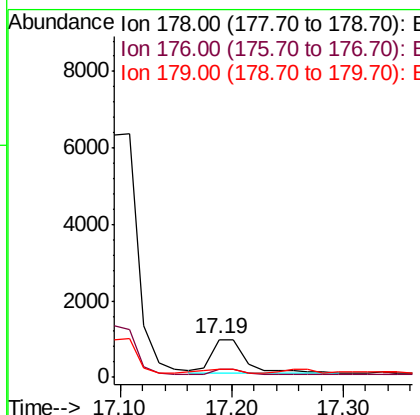
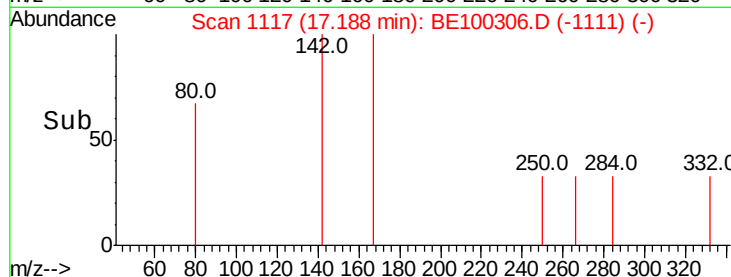
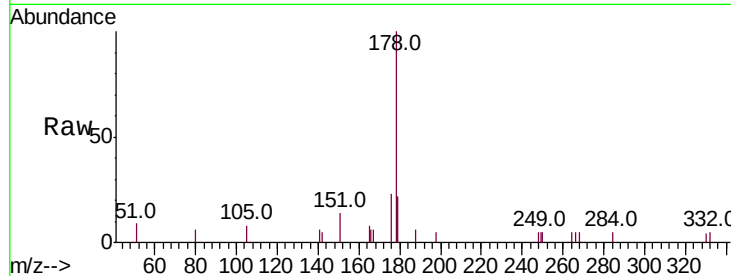
#24
 Anthracene
 Concen: 0.136 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100306.D
 Acq: 2 Jul 2019 17:27

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	16.0	12.2	18.2

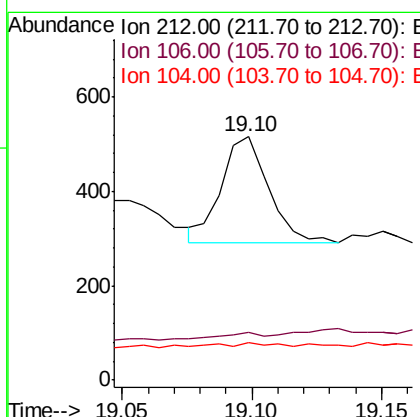
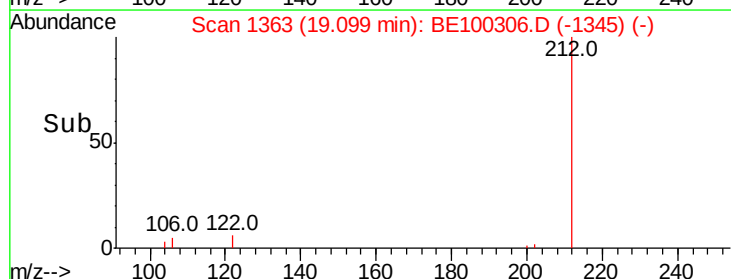
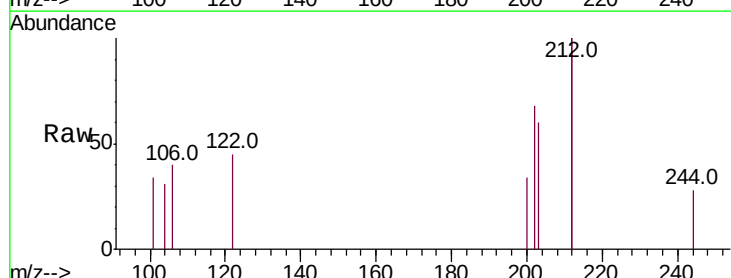
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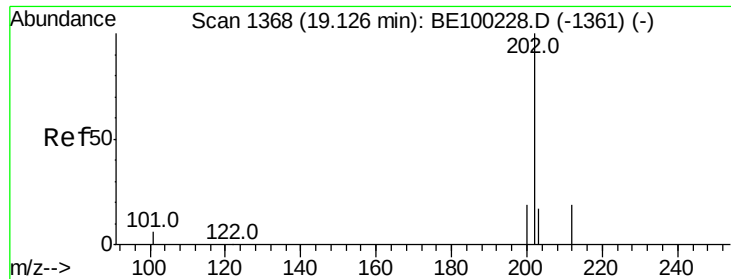
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.003 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100306.D
 Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
212	100		
106	6.7	1.3	1.9#
104	6.4	0.8	1.2#





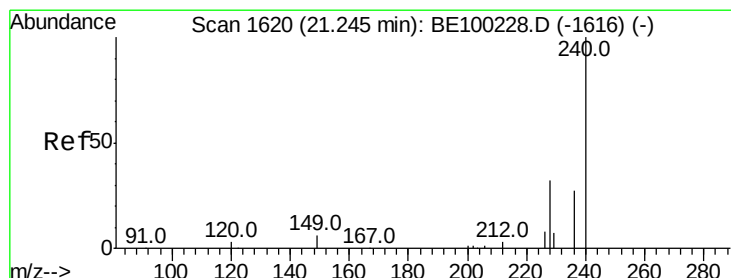
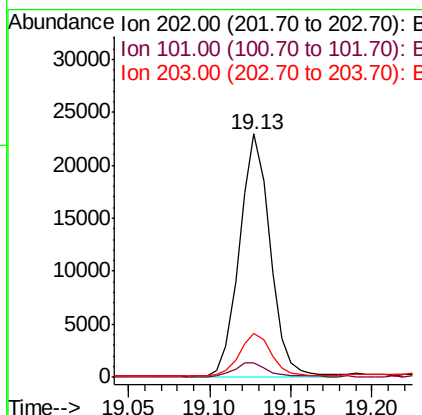
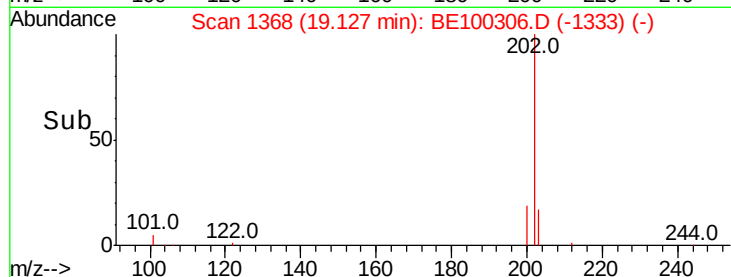
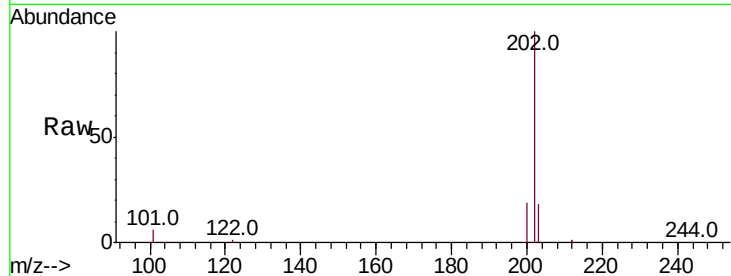
#26
 Fluoranthene
 Concen: 1.253 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100306.D
 Acq: 2 Jul 2019 17:27

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.2	4.6	7.0
203	17.6	13.7	20.5

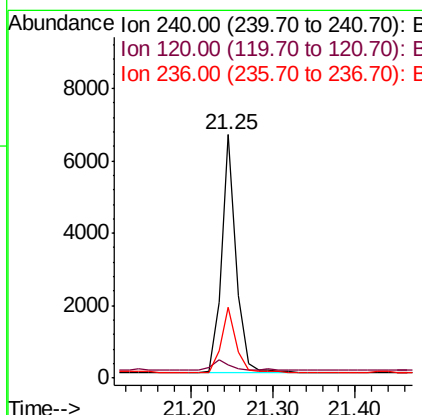
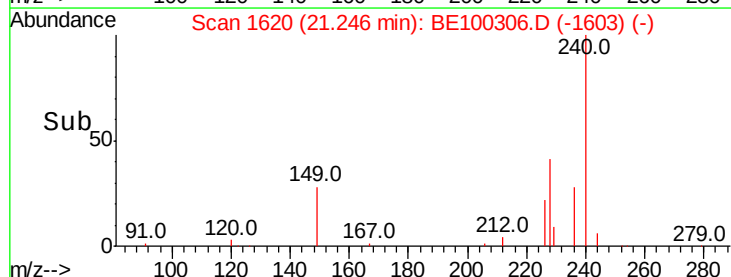
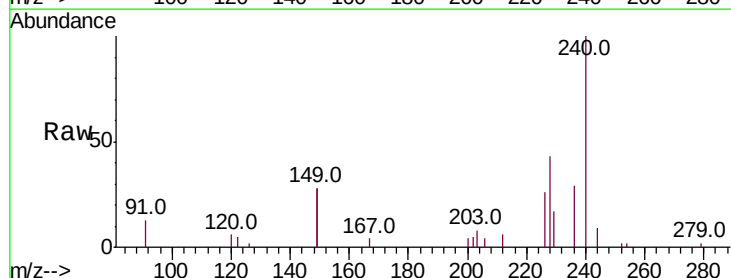
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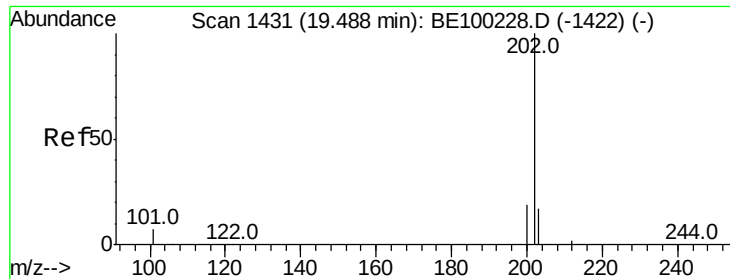
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100306.D
 Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	3.3	4.9#
236	29.3	22.6	34.0





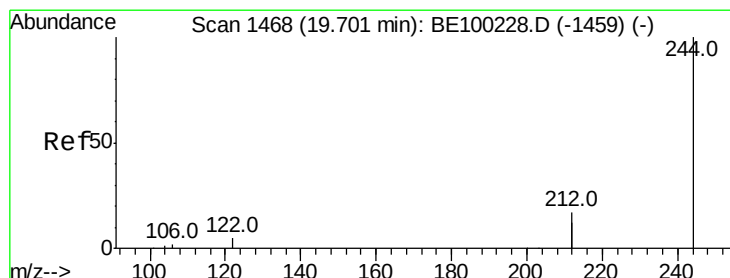
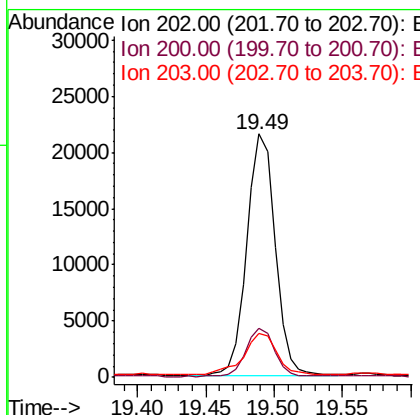
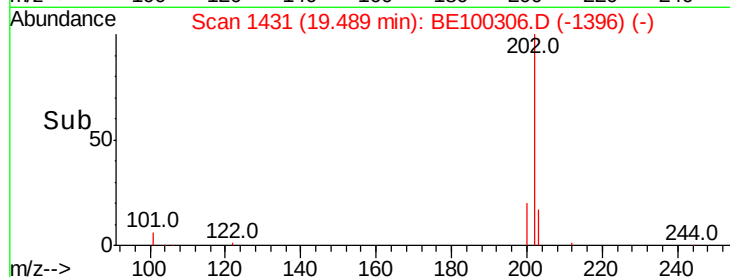
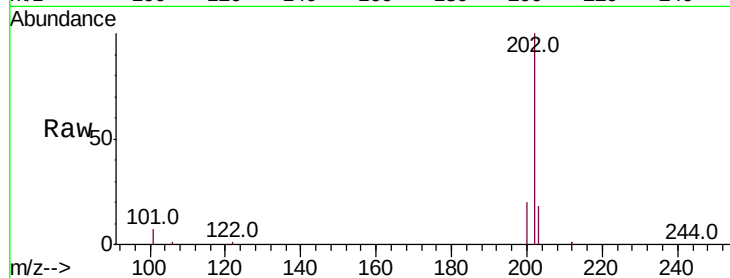
#28
Pvrene
Concen: 1.405 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.3	14.0	21.0

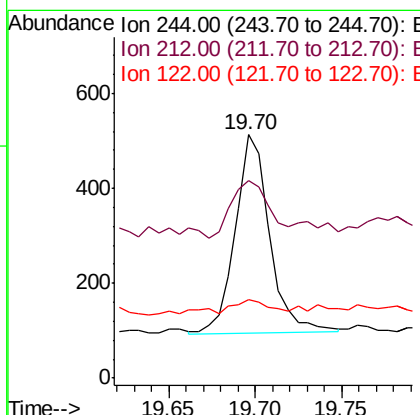
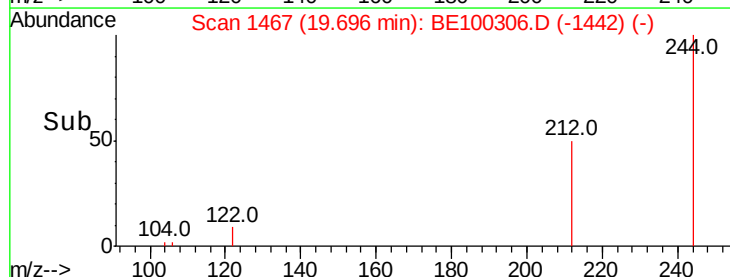
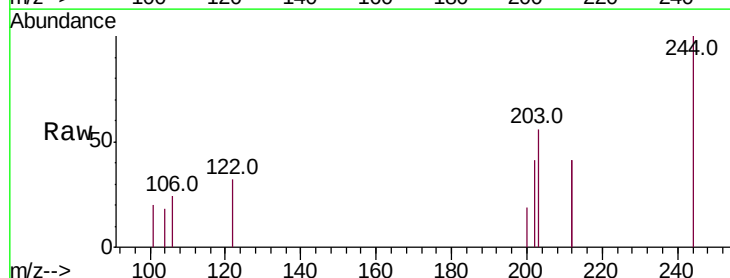
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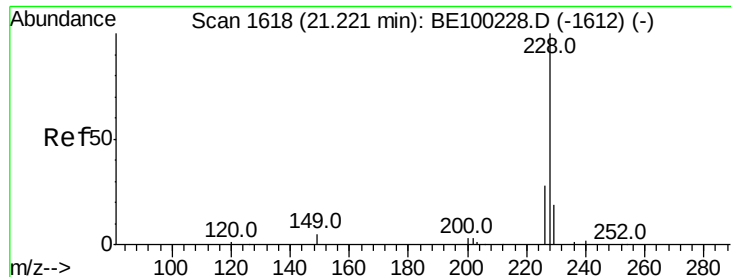
mohammad
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#29
Terphenyl-d14
Concen: 0.034 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	81.1	27.3	40.9#
122	32.4	4.7	7.1#





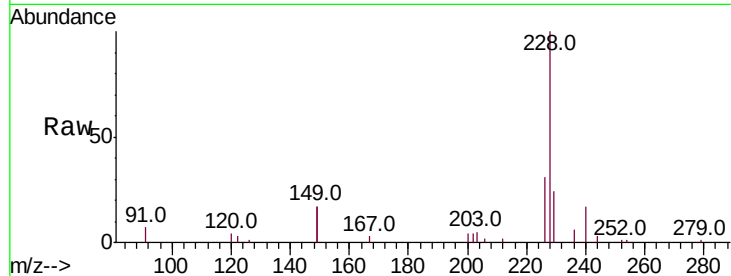
#30
Benzo(a)anthracene
Concen: 0.763 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.2	34.8
229	24.1	15.7	23.5

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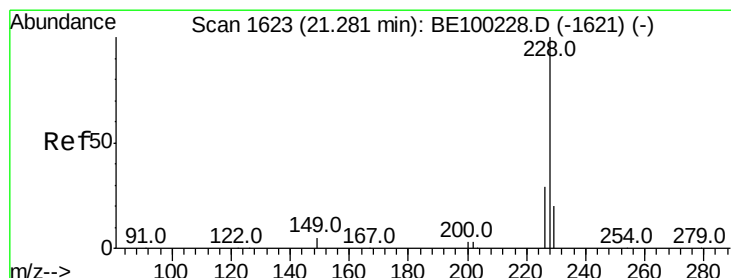
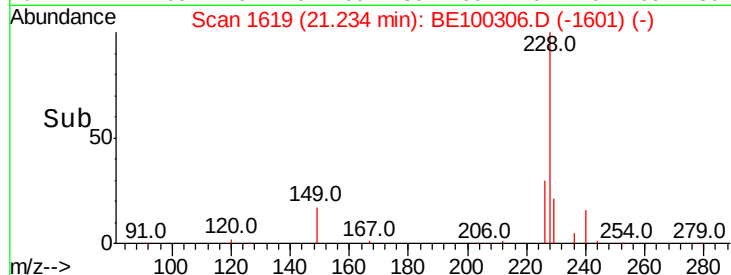
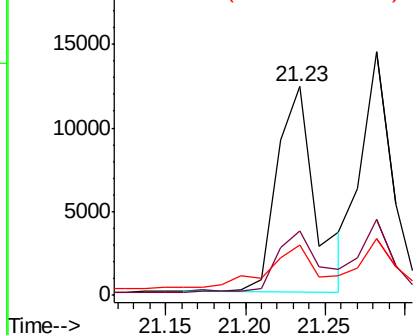


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.699 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

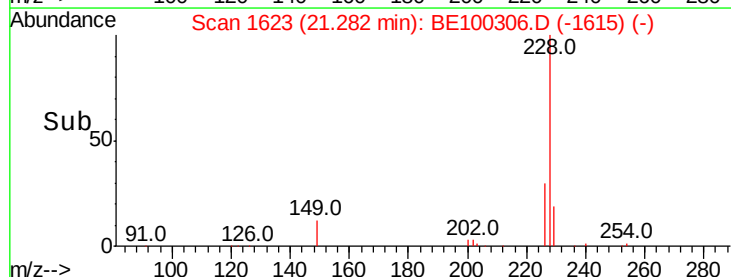
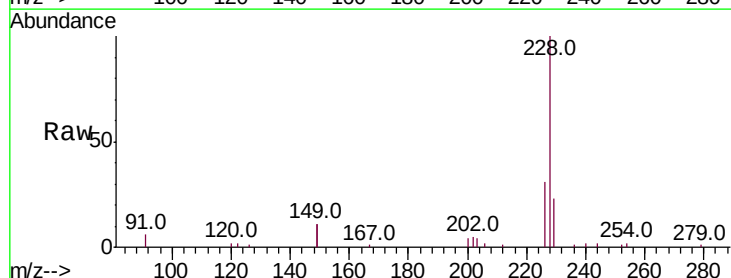
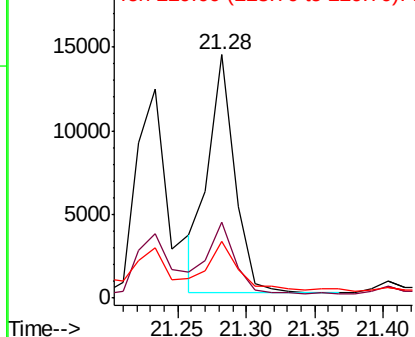
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.4	16.5	24.7

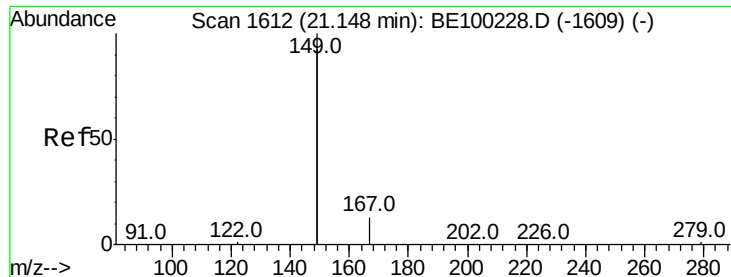
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.799 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Instrument :

BNA_E

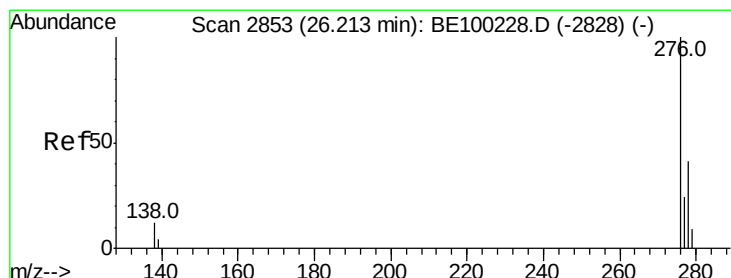
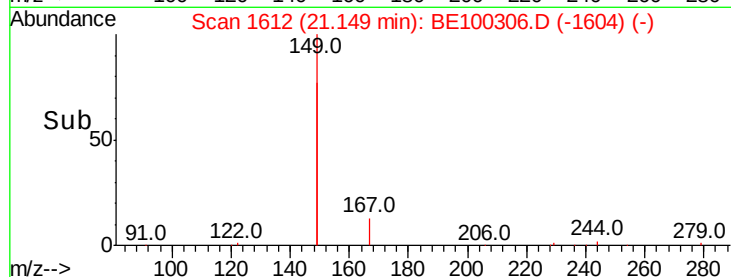
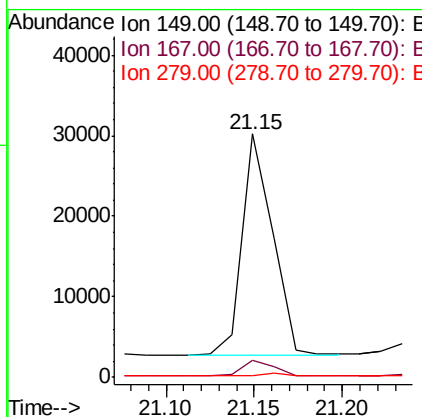
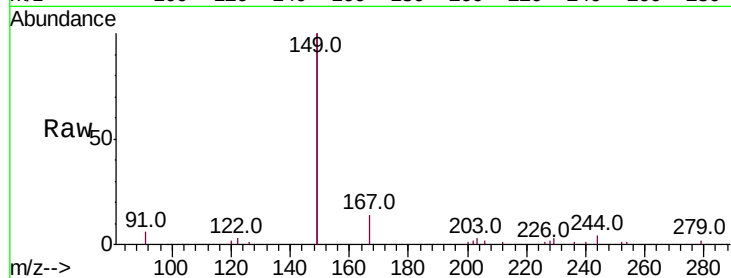
ClientSampleId :

EXT-008-SW117-061719DL

Tot Ion:	149	Resp:	32938
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.5	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.363 ng

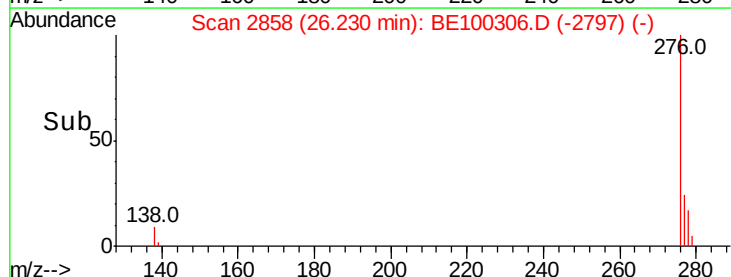
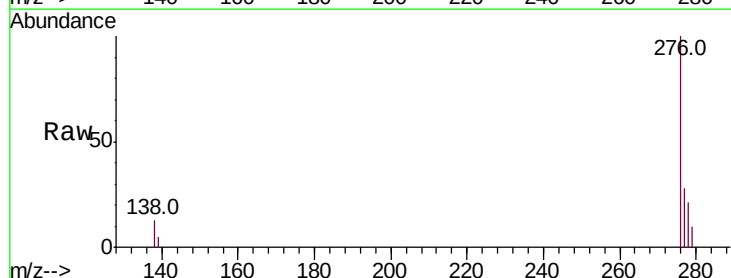
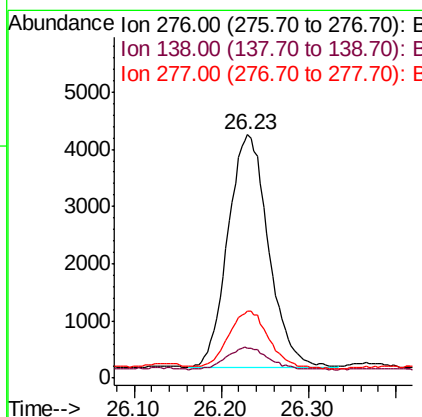
RT: 26.23 min Scan# 2858

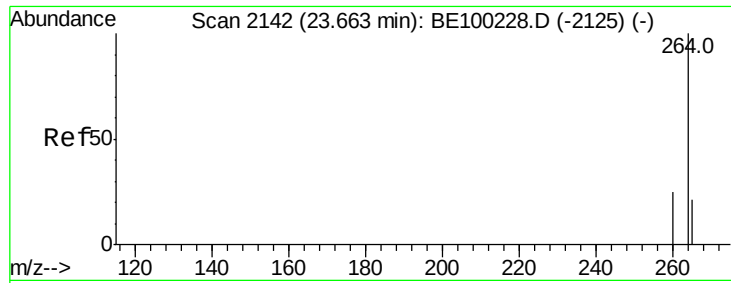
Delta R.T. 0.02 min

Lab File: BE100306.D

Acq: 2 Jul 2019 17:27

Tgt Ion:	276	Resp:	13111
Ion Ratio	Lower	Upper	
276	100		
138	9.6	9.4	14.0
277	25.4	19.2	28.8





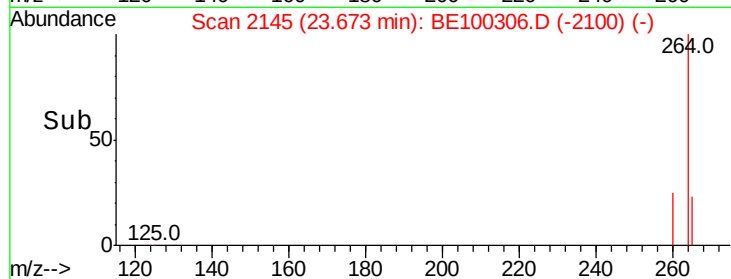
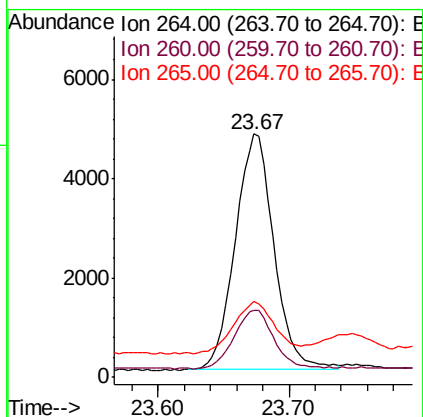
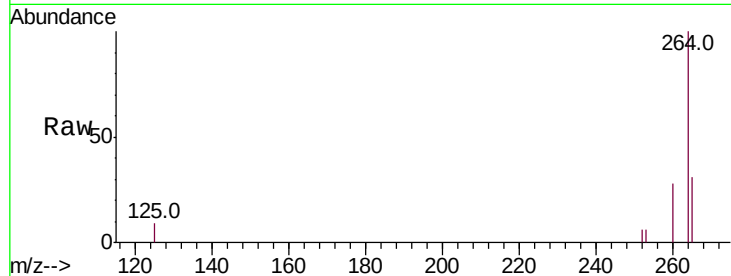
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.8	31.2
265	31.4	21.8	32.6

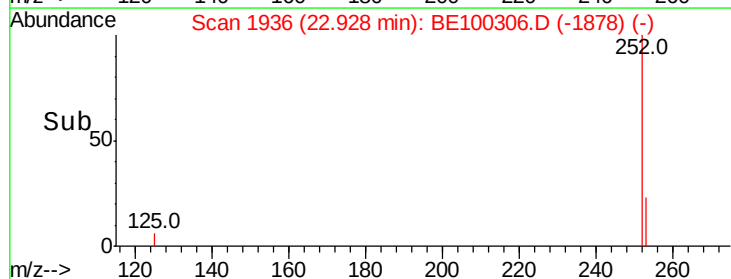
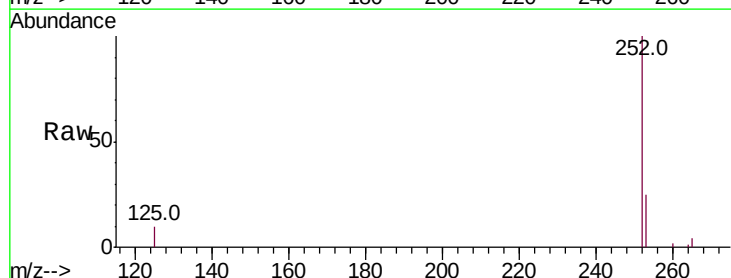
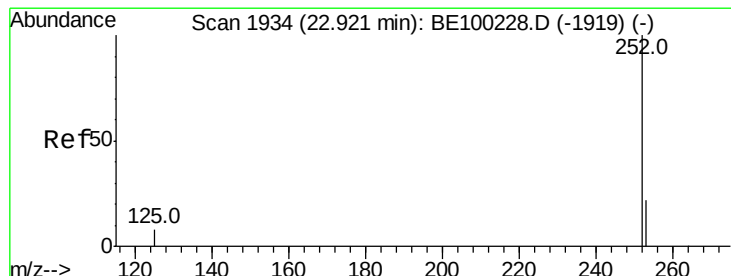
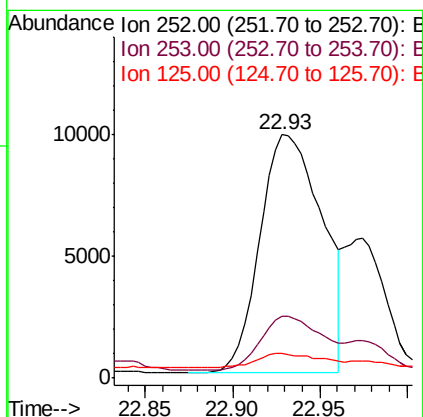
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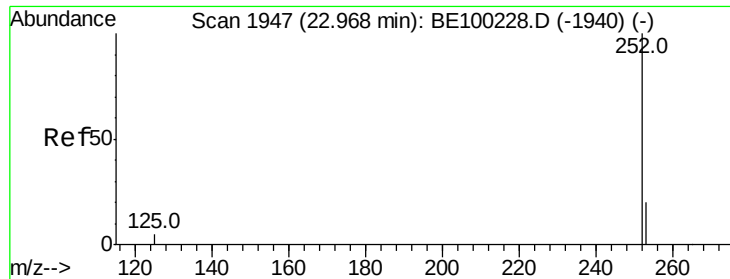
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#35
Benzo(b)fluoranthene
Concen: 0.914 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.2	28.8
125	10.3	7.4	11.0





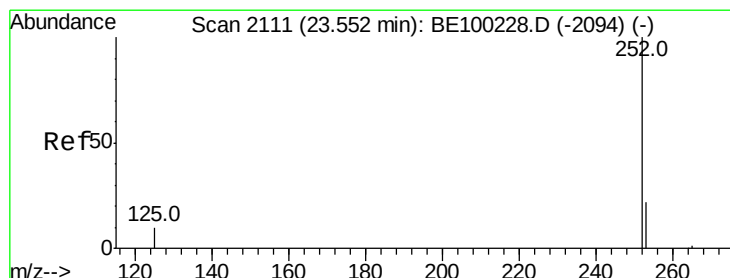
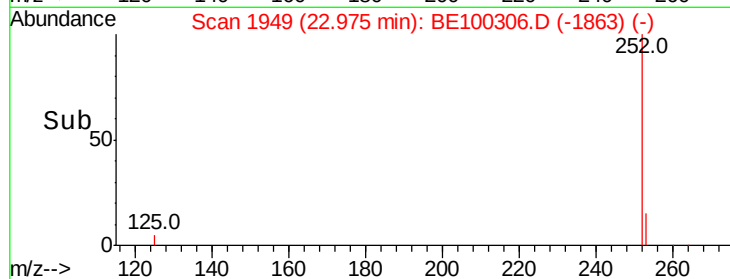
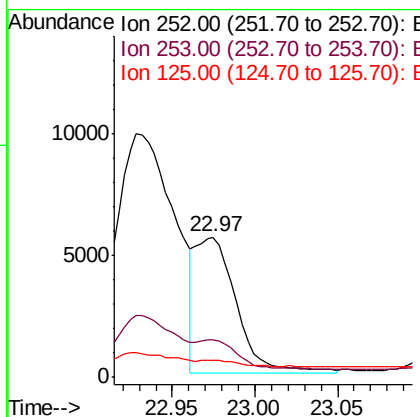
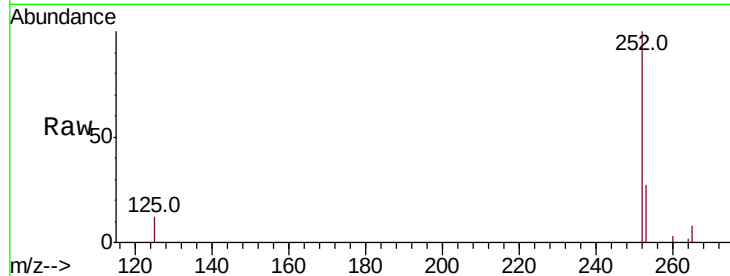
#36
Benzo(k)fluoranthene
Concen: 0.332 ng m
RT: 22.97 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	12.5	5.0	7.4

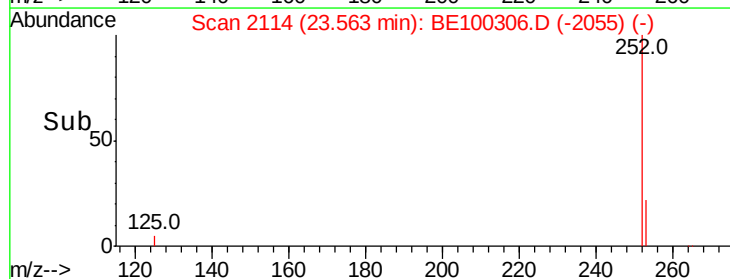
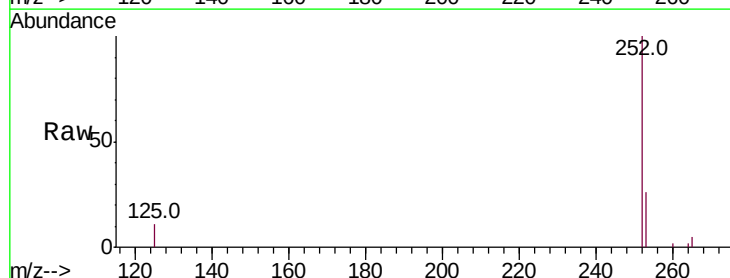
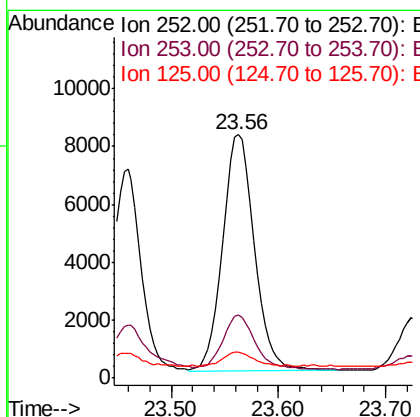
Manual Integrations
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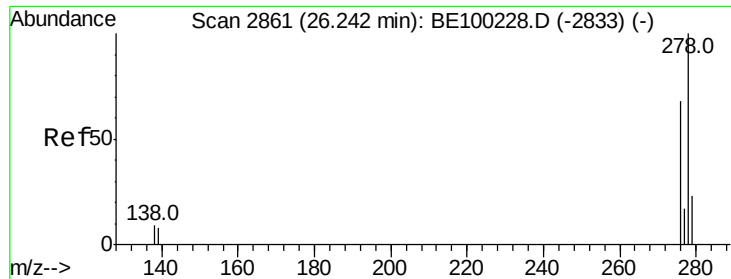
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#37
Benzo(a)pyrene
Concen: 0.629 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.6	29.4
125	10.5	9.0	13.6





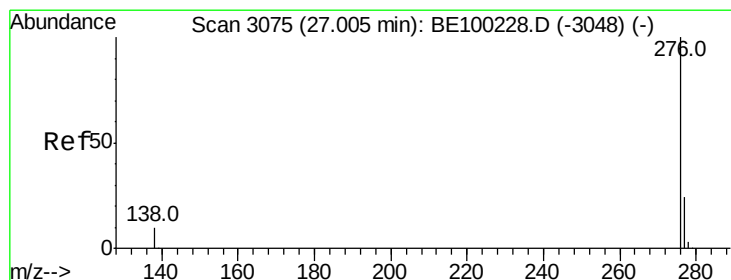
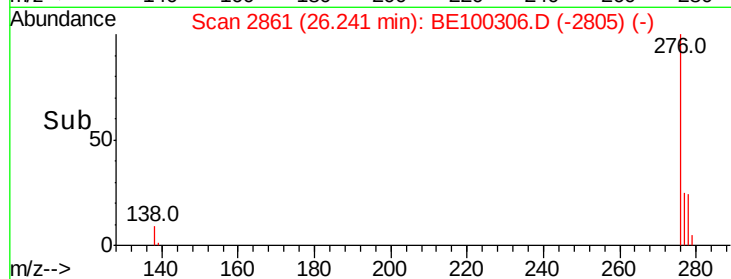
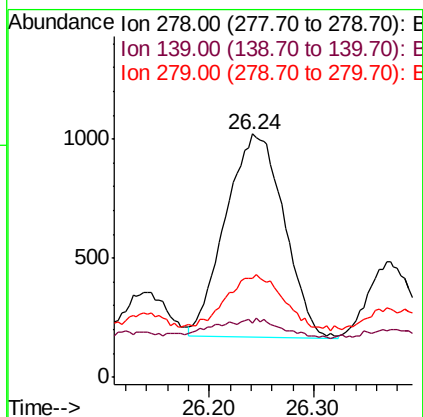
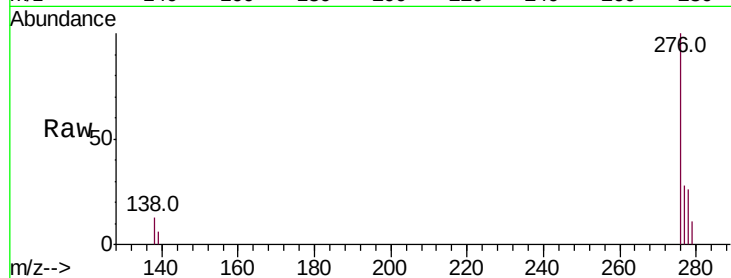
#38
Dibenzo(a,h)anthracene
Concen: 0.120 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW117-061719DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.4	8.2	12.2#
279	40.4	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:48:49 PM



#39
Benzo(g,h,i)perylene
Concen: 0.614 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100306.D
Acq: 2 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.2	30.2
138	11.3	9.0	13.6

