

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070819\
 Data File : BE100412.D
 Acq On : 8 Jul 2019 14:59
 Operator : JU/SJ
 Sample : K3561-10DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Manual Integrations
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mohammad
 7/10/2019 9:03:58 AM

Quant Time: Jul 08 16:47:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 08 15:19:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	384	0.40	ng	0.00
7) Naphthalene-d8	10.42	136	1544	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	1440	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	4715	0.40	ng	0.00
27) Chrysene-d12	21.22	240	7285	0.40	ng	-0.01
34) Perylene-d12	23.63	264	8533	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	53	0.05	ng	0.00
5) Phenol-d6	6.87	99	18	0.01	ng	0.02
8) Nitrobenzene-d5	8.85	82	83	0.05	ng	0.04
11) 2-Methylnaphthalene-d10	12.02	152	150	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.79	330	64	0.06	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	261	0.05	ng	-0.01
25) Fluoranthene-d10	19.08	212	2705	0.04	ng	0.00
29) Terphenyl-d14	19.67	244	670	0.04	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.46	128	2111	0.124	ng	# 91
12) 2-Methylnaphthalene	12.09	142	451	0.151	ng	91
16) Acenaphthylene	14.01	152	4312	0.624	ng	98
17) Acenaphthene	14.36	154	443	0.113	ng	98
18) Fluorene	15.34	166	1597	0.276	ng	# 89
23) Phenanthrene	17.08	178	48403	4.236	ng	100
24) Anthracene	17.17	178	4060	0.395	ng	# 91
26) Fluoranthene	19.10	202	90040	4.947	ng	99
28) Pyrene	19.47	202	125137	6.488	ng	96
30) Benzo(a)anthracene	21.21	228	62888	2.625	ng	96
31) Chrysene	21.26	228	80160	3.333	ng	99
32) Bis(2-ethylhexyl)phthalate	21.12	149	21216	0.569	ng	100
33) Indeno(1,2,3-cd)pyrene	26.17	276	39425	1.239	ng	98
35) Benzo(b)fluoranthene	22.89	252	76631	3.312	ng	# 95
36) Benzo(k)fluoranthene	22.93	252	24429m	0.946	ng	
37) Benzo(a)pyrene	23.52	252	61100m	2.635	ng	
38) Dibenzo(a,h)anthracene	26.18	278	10464	0.432	ng	94
39) Benzo(g,h,i)perylene	26.95	276	46663	1.876	ng	# 96

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

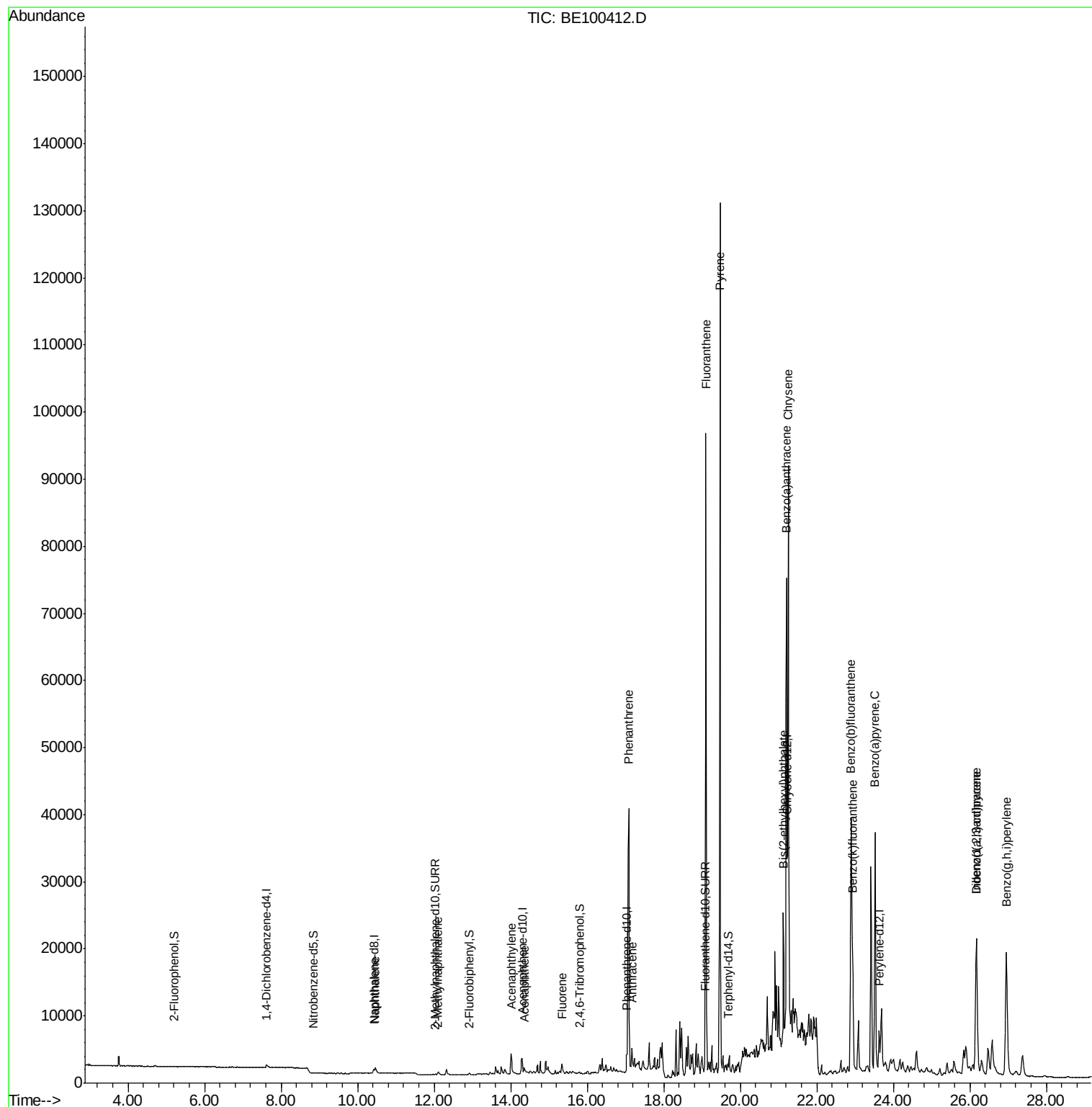
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070819\
Data File : BE100412.D
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Operator : JU/SJ
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Misc :
ALS Vial : 7 Sample Multiplier: 1

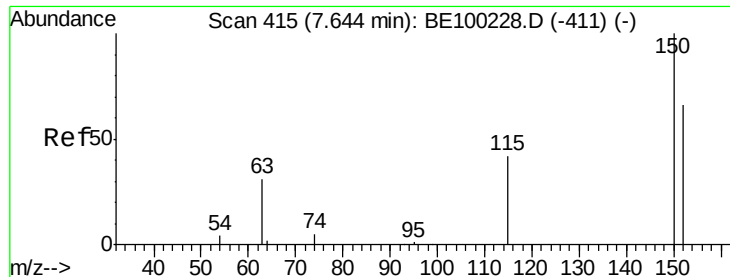
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

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7/10/2019 9:03:58 AM

Quant Time: Jul 08 16:47:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

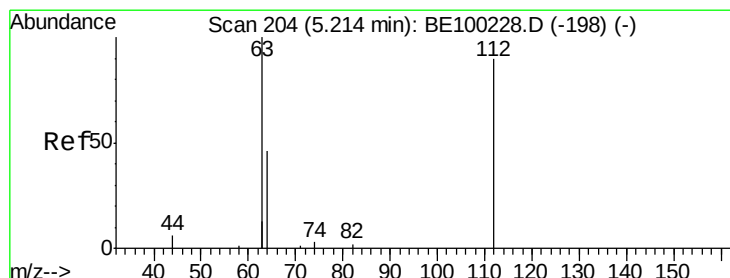
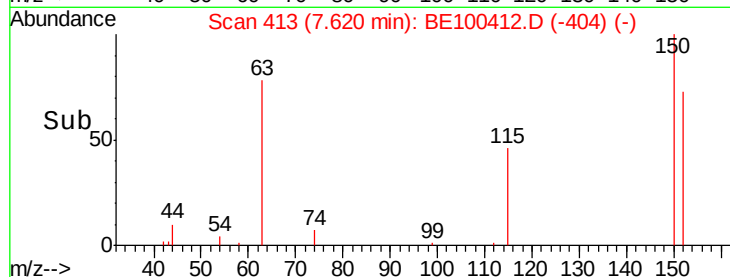
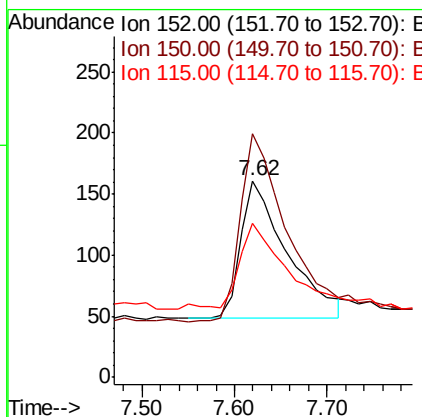
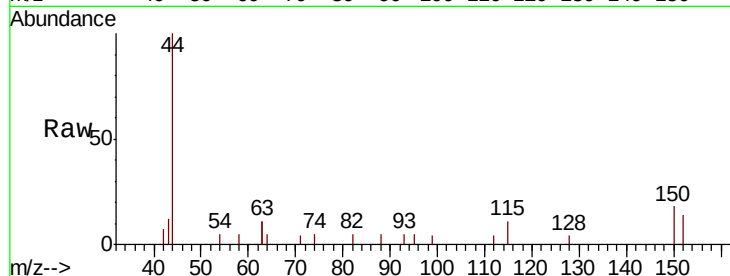
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. 0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	123.6	99.6	149.4
115	78.3	61.4	92.0

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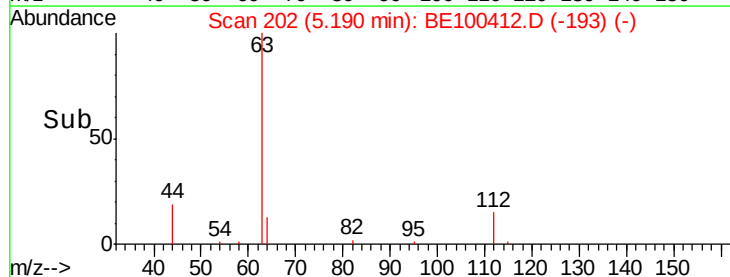
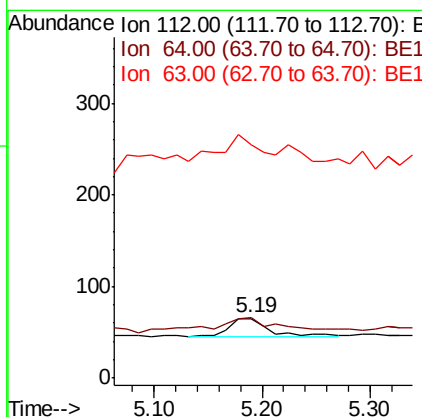
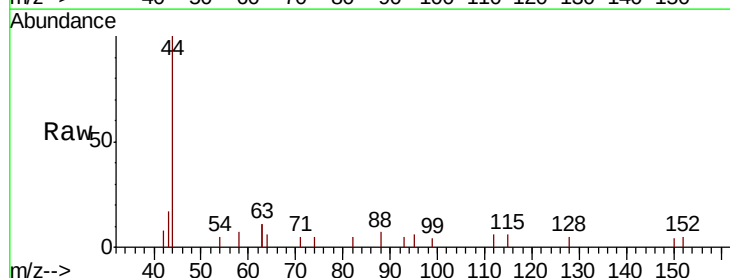
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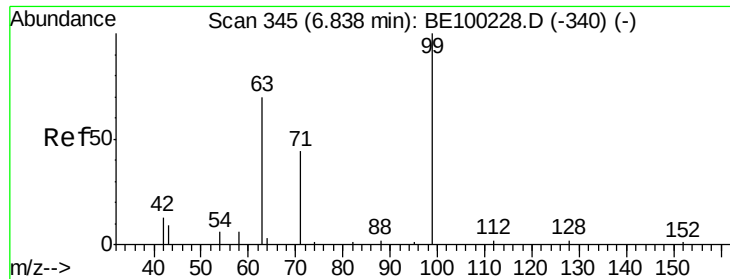


#4

2-Fluorophenol
Concen: 0.054 ng
RT: 5.19 min Scan# 202
Delta R.T. 0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	90.6	44.7	67.1#
63	132.1	89.9	134.9





#5

Phenol-d6

Concen: 0.014 ng

RT: 6.87 min Scan# 348

Delta R.T. 0.02 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

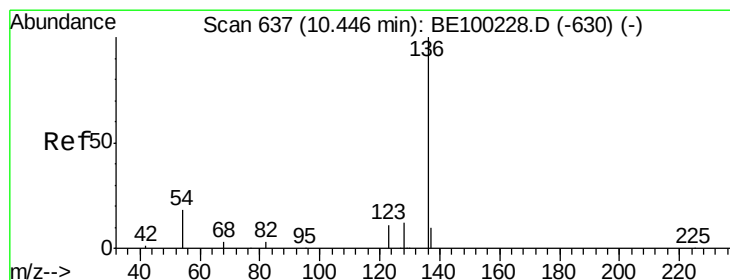
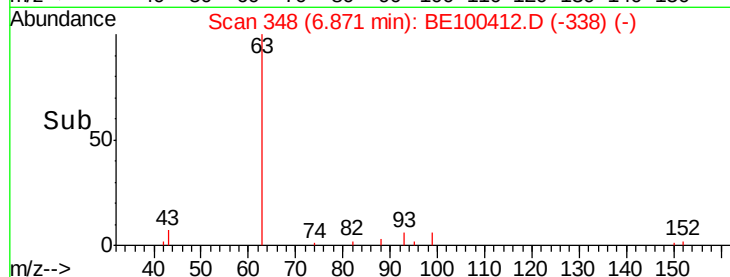
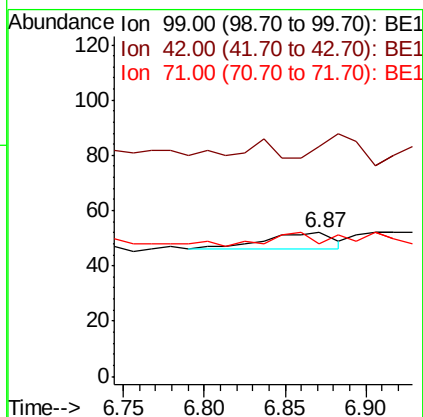
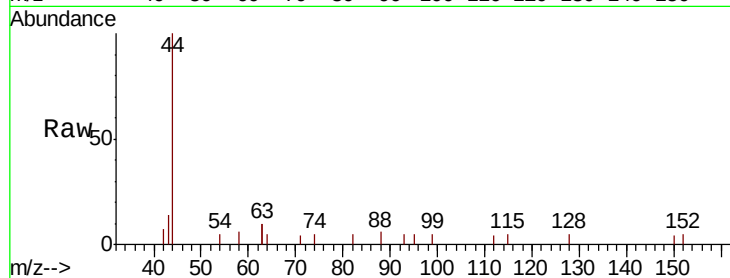
ClientSampleId :

EXT-016-SW097-062519DL

Tgt Ion:	99	Resp:	18
Ion	Ratio	Lower	Upper
99	100		
42	105.6	0.0	0.0#
71	0.0	34.6	51.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

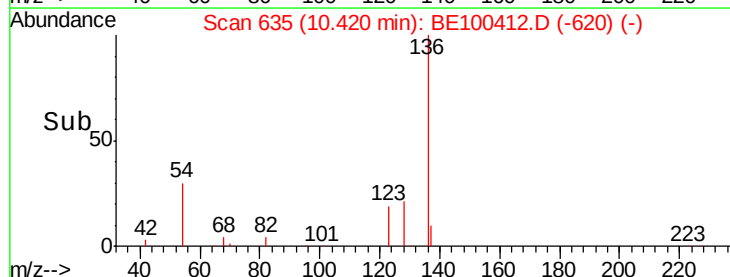
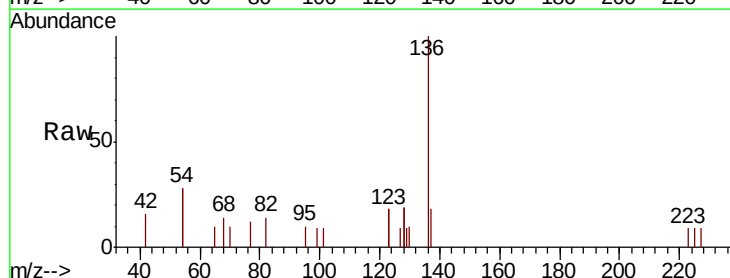
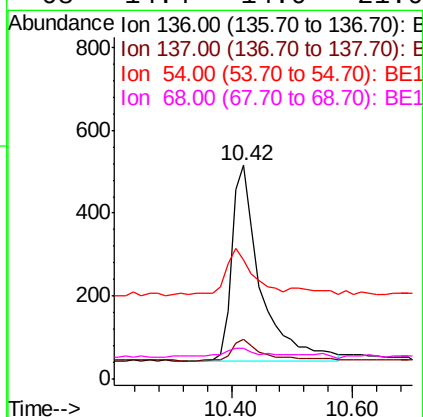
RT: 10.42 min Scan# 635

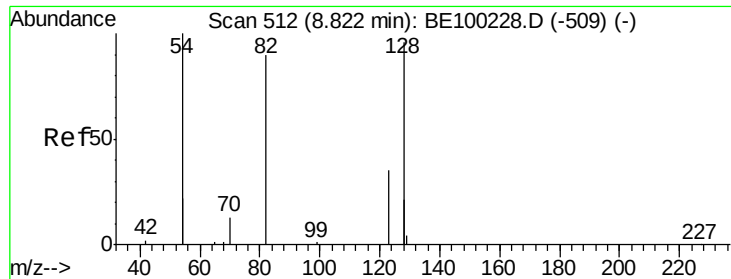
Delta R.T. 0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Tgt Ion:	136	Resp:	1544
Ion	Ratio	Lower	Upper
136	100		
137	18.4	17.4	26.2
54	55.5	59.0	88.4#
68	14.4	14.0	21.0





#8

Nitrobenzene-d5

Concen: 0.054 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.04 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

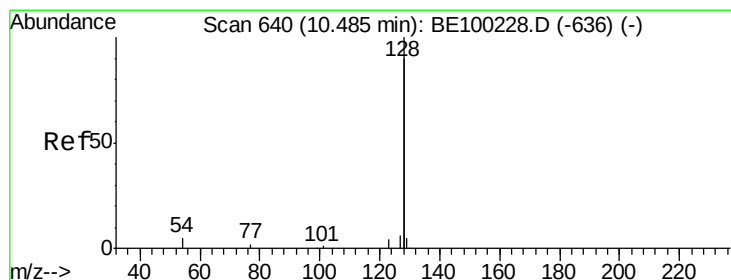
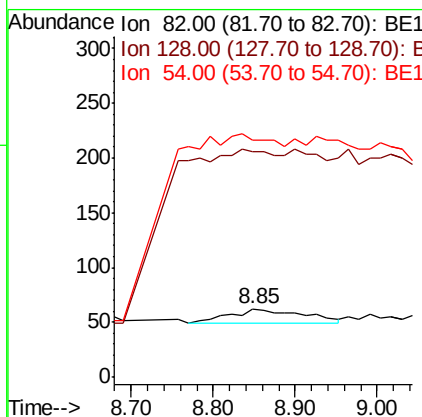
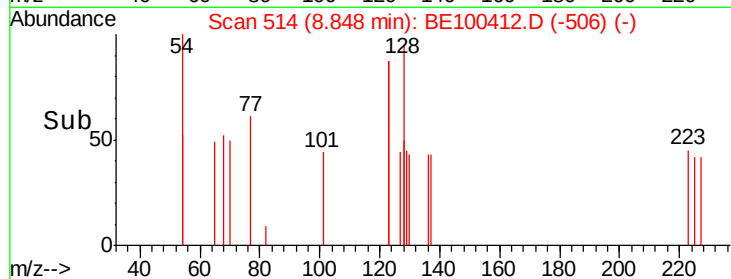
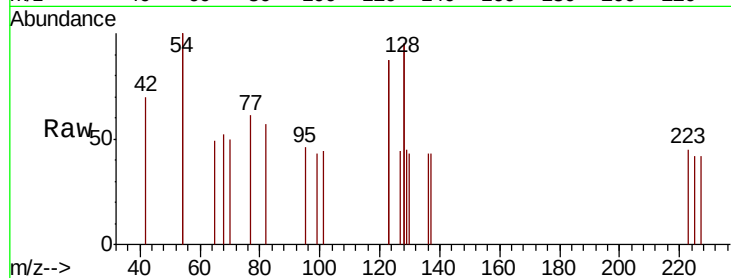
ClientSampleId :

EXT-016-SW097-062519DL

Tgt Ion:	82	Resp:	83
Ion Ratio	Lower	Upper	
82	100		
128	332.3	190.6	285.8#
54	348.4	201.5	302.3#

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#9

Naphthalene

Concen: 0.124 ng

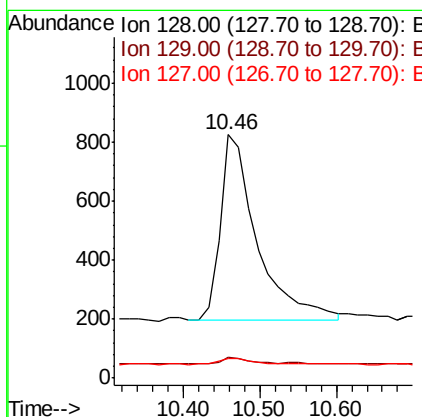
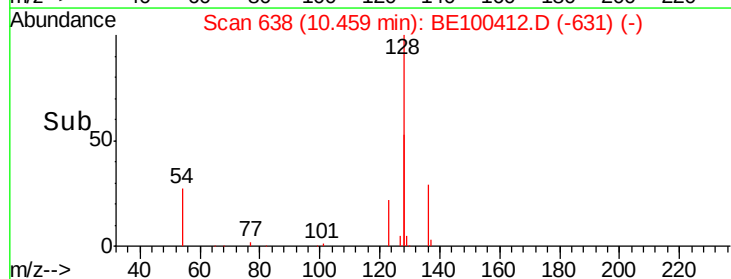
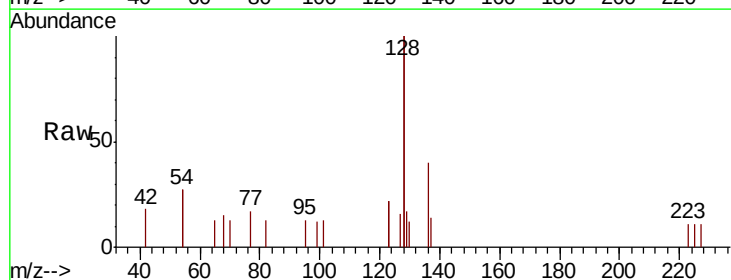
RT: 10.46 min Scan# 638

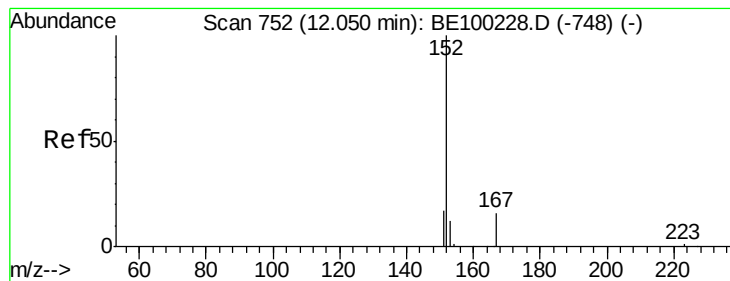
Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Tgt Ion:	128	Resp:	2111
Ion Ratio	Lower	Upper	
128	100		
129	8.5	4.2	6.2#
127	8.2	4.4	6.6#





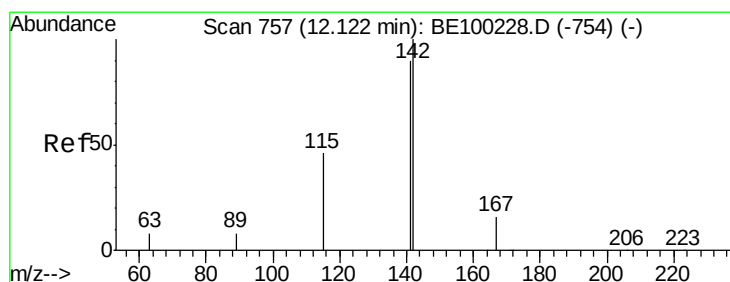
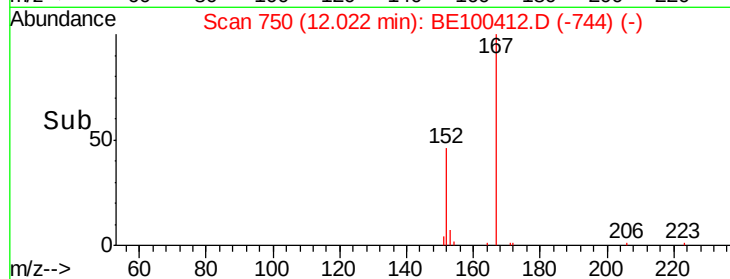
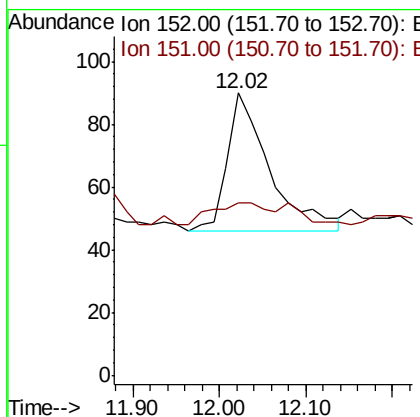
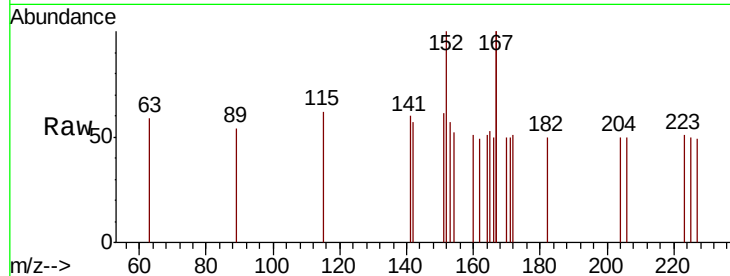
#11
2-Methylnaphthalene-d10
Concen: 0.052 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion:152 Resp: 150
Ion Ratio Lower Upper
152 100
151 29.3 16.8 25.2#

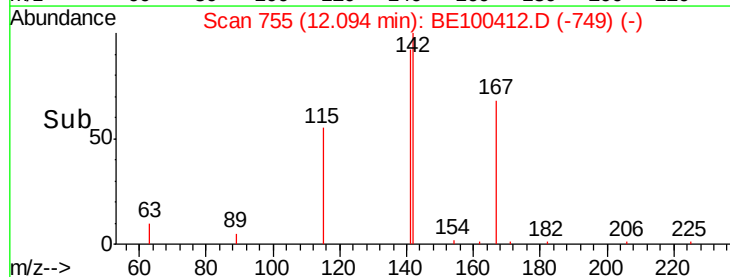
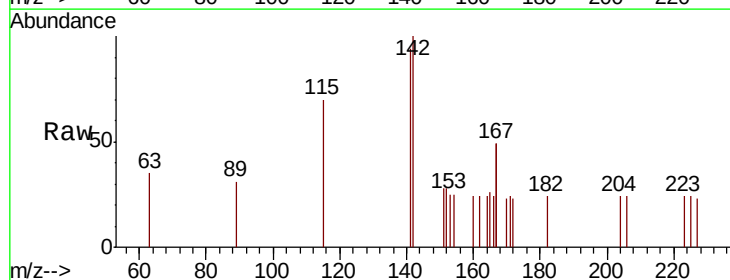
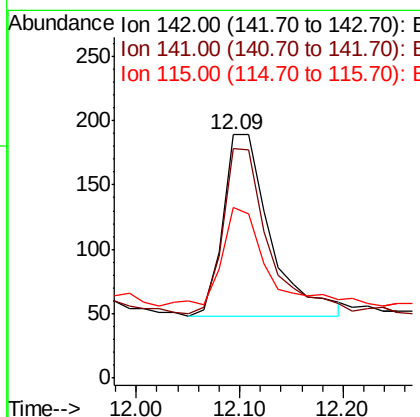
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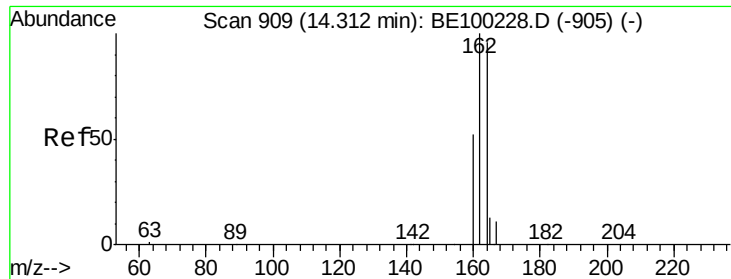
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#12
2-Methylnaphthalene
Concen: 0.151 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion:142 Resp: 451
Ion Ratio Lower Upper
142 100
141 94.2 71.3 106.9
115 70.4 47.4 71.0





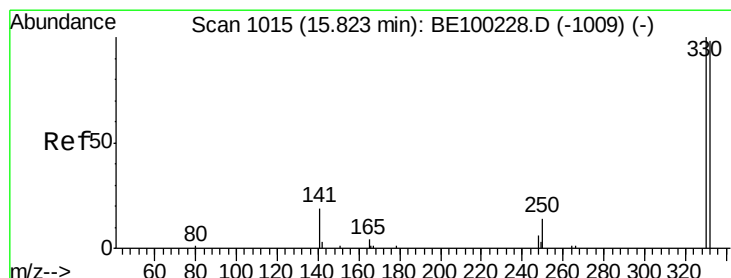
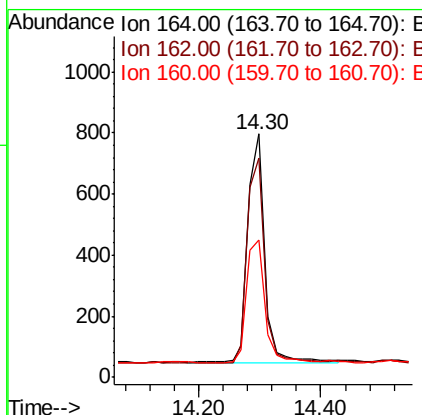
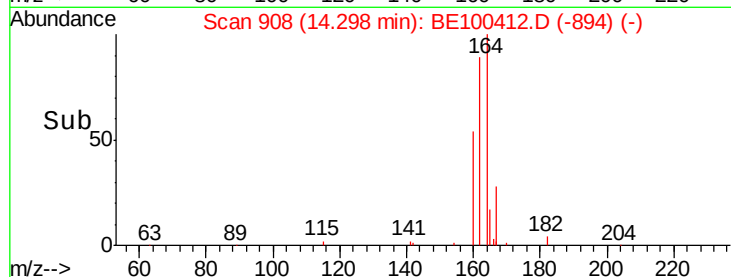
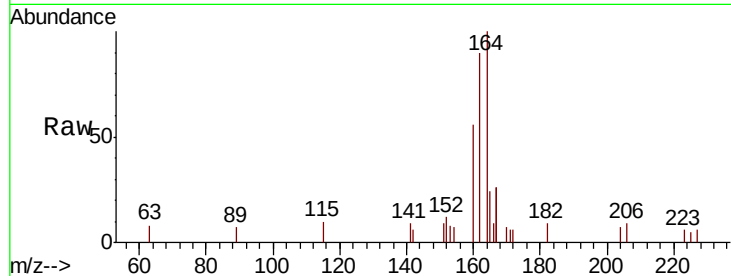
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion:164 Resp: 1440
Ion Ratio Lower Upper
164 100
162 89.8 78.9 118.3
160 56.5 53.7 80.5

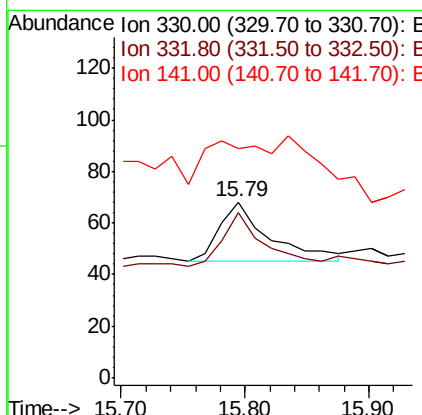
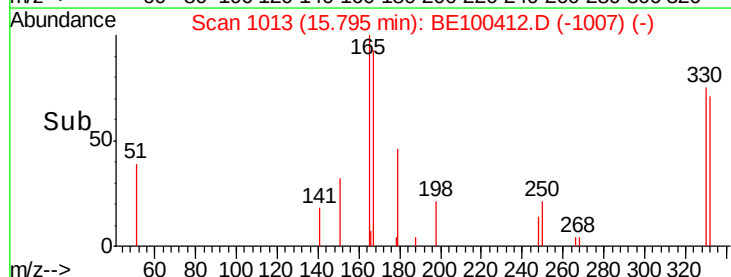
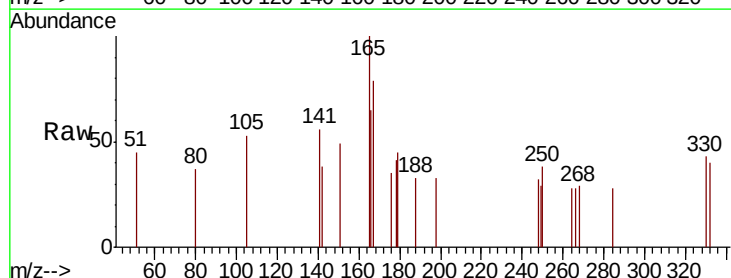
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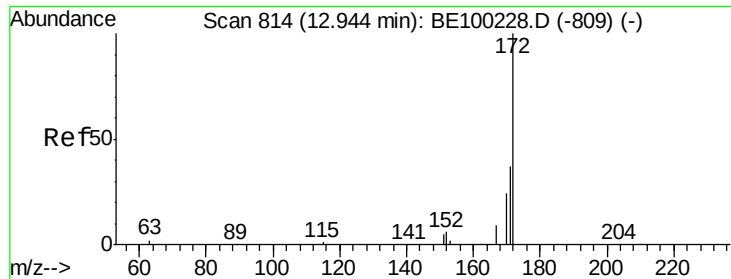
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#14
2,4,6-Tribromophenol
Concen: 0.064 ng
RT: 15.79 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion:330 Resp: 64
Ion Ratio Lower Upper
330 100
332 76.6 75.0 112.4
141 90.6 19.0 28.6#





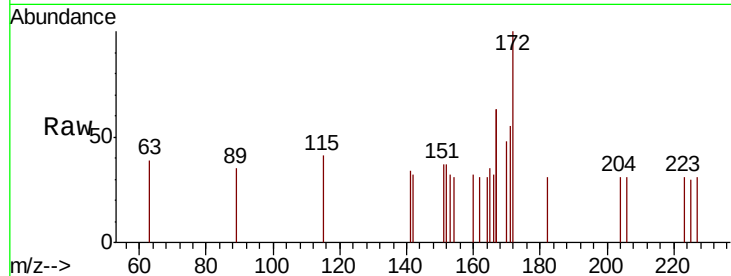
#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.92 min Scan# 812
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

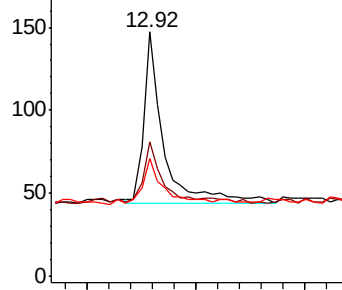
Tgt Ion	Ratio	Lower	Upper
172	100		
171	55.1	33.2	49.8#
170	48.3	25.9	38.9#

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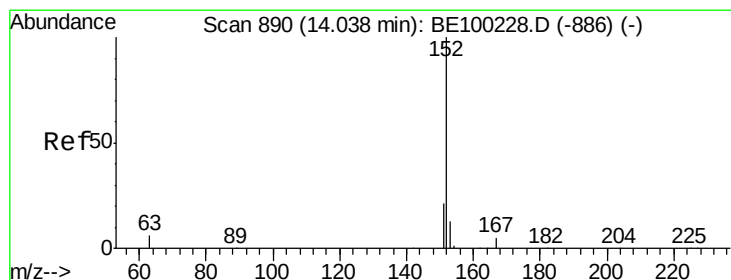
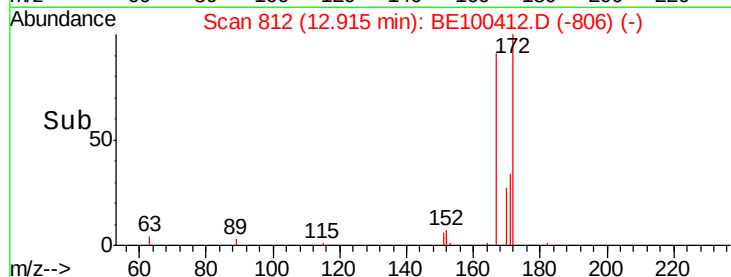
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

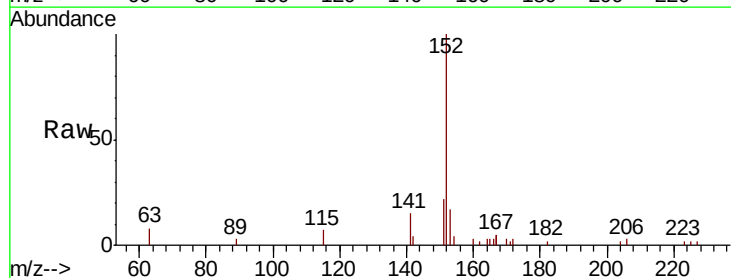


Time-->

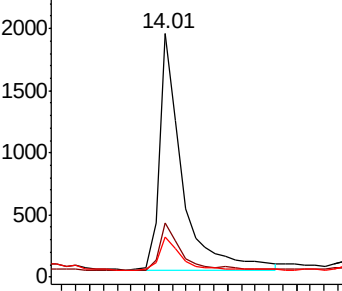


#16
Acenaphthylene
Concen: 0.624 ng
RT: 14.01 min Scan# 888
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

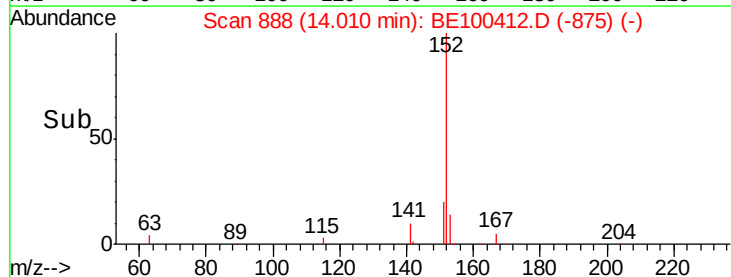
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.0	25.6
153	13.7	11.2	16.8

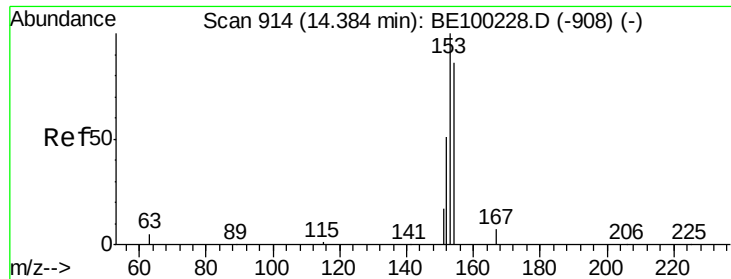


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





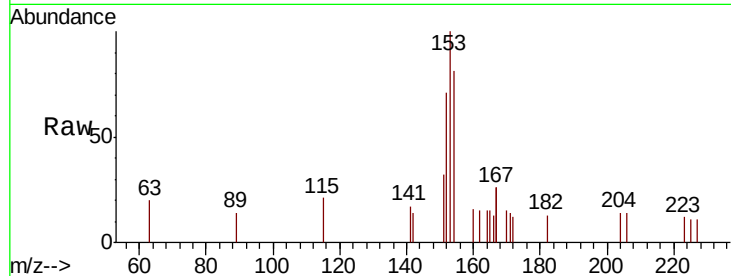
#17
Acenaphthene
Concen: 0.113 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	126.6	99.5	149.3
152	77.2	63.7	95.5

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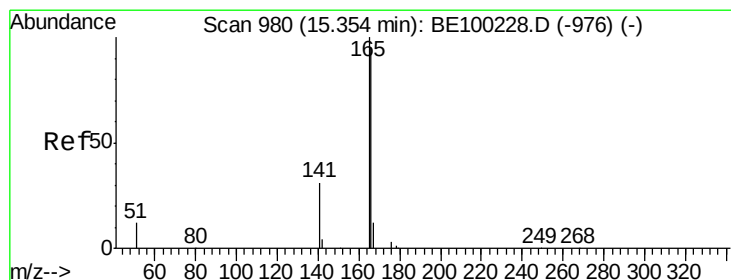
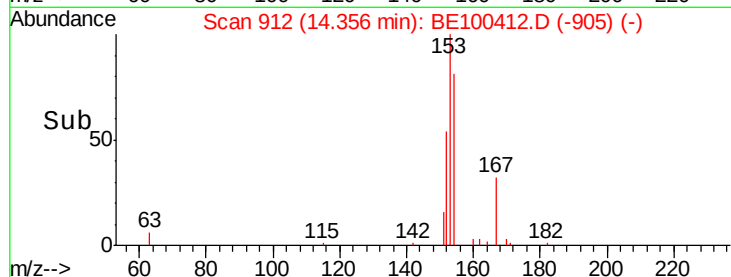
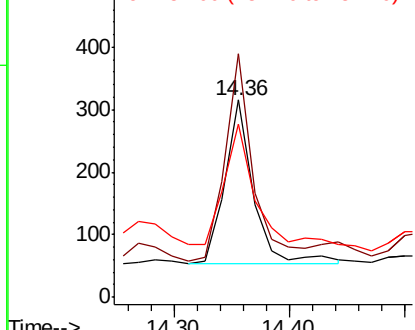


Abundance

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: 0.276 ng
RT: 15.34 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

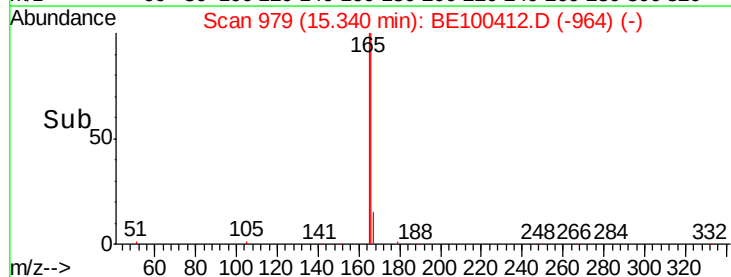
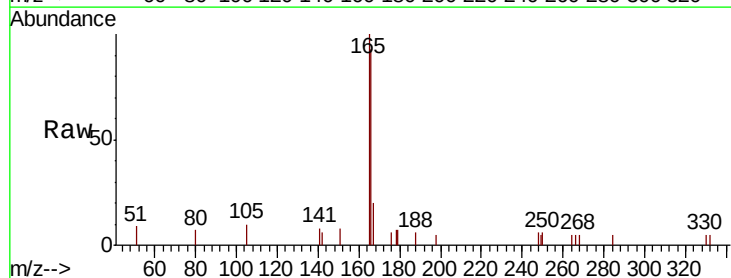
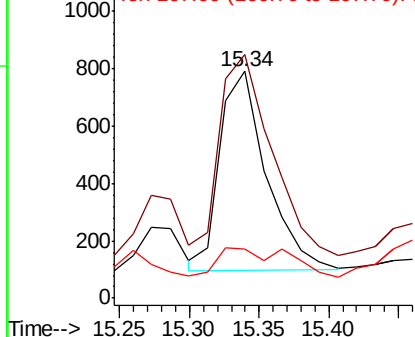
Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.8	82.3	123.5
167	22.1	9.9	14.9

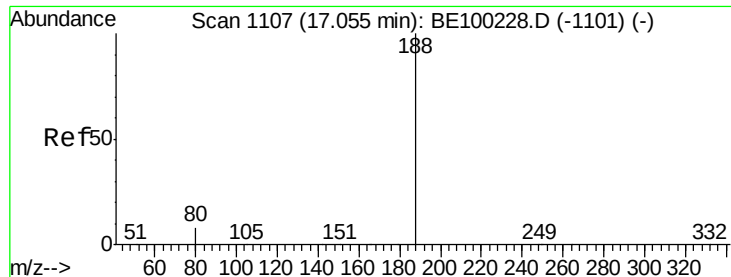
Abundance

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





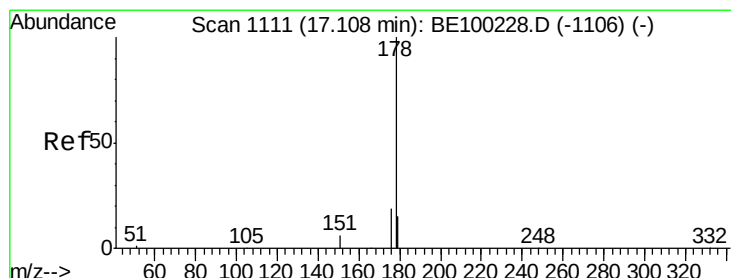
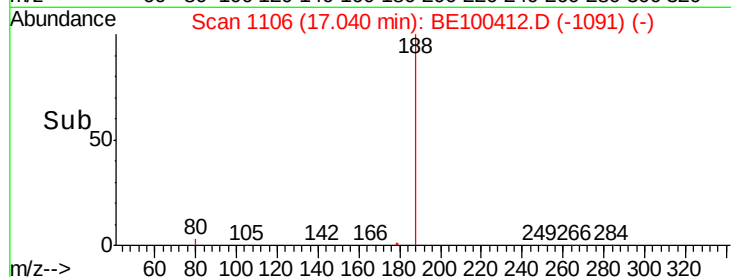
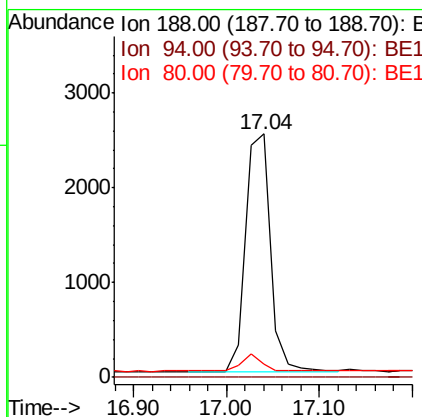
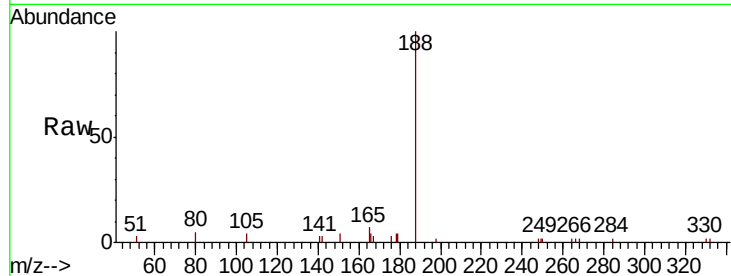
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	5.4	8.8	13.2#

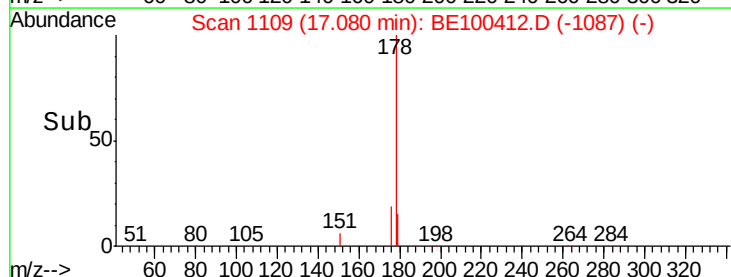
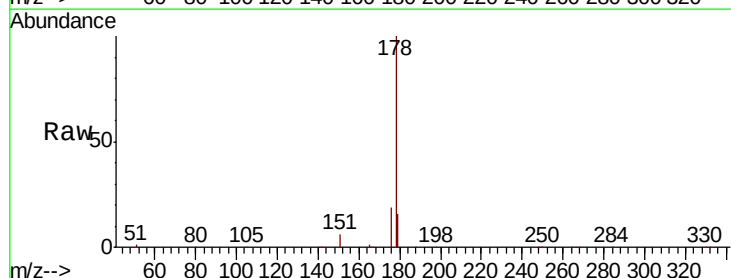
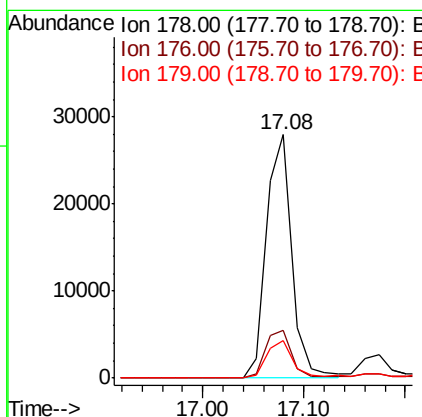
Manual Integrations
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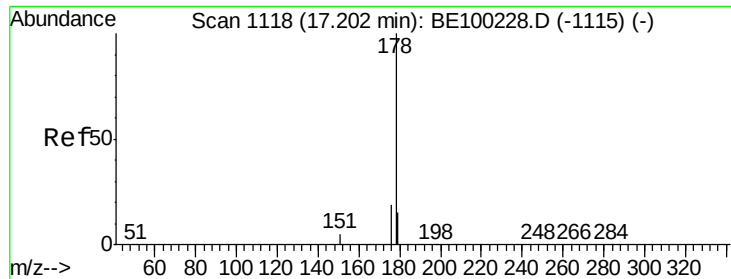
mohammad
7/10/2019 9:03:58 AM



#23
Phenanthrene
Concen: 4.236 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	15.9	23.9
179	15.4	12.6	18.8





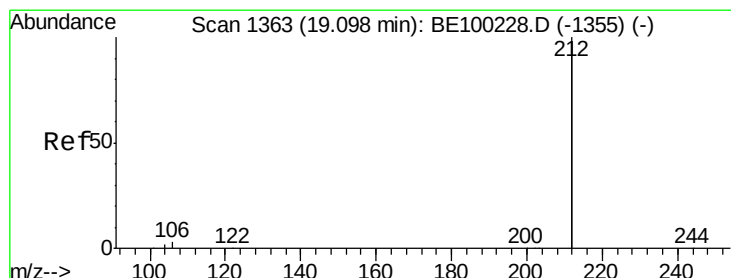
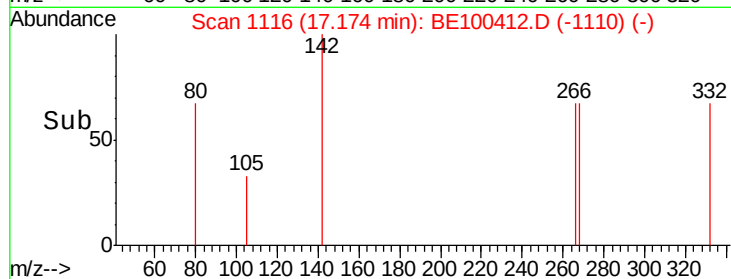
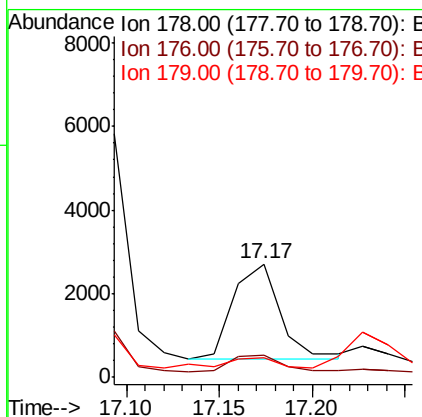
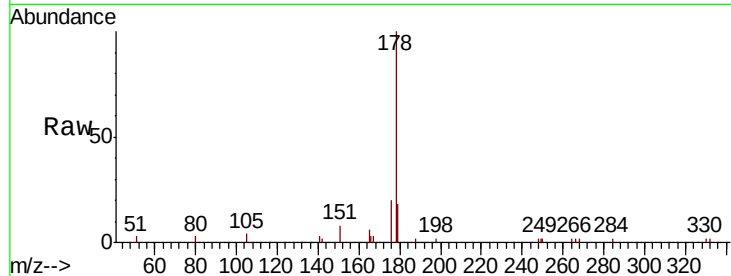
#24
 Anthracene
 Concen: 0.395 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.0	14.5	21.7#
179	11.6	11.6	17.4

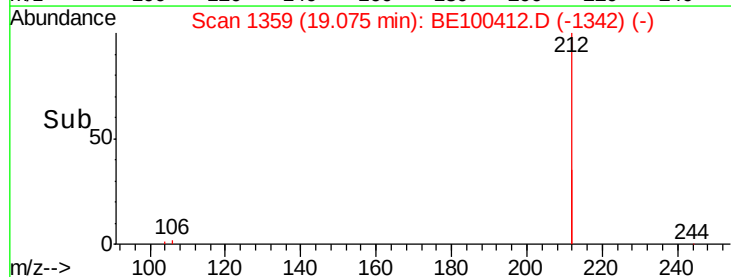
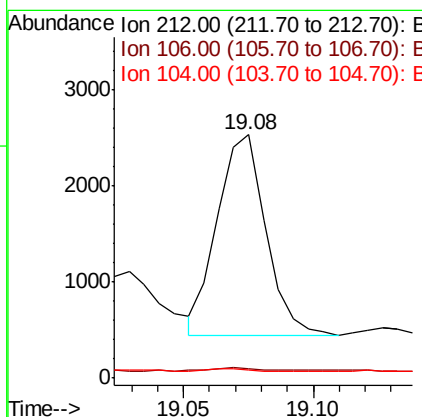
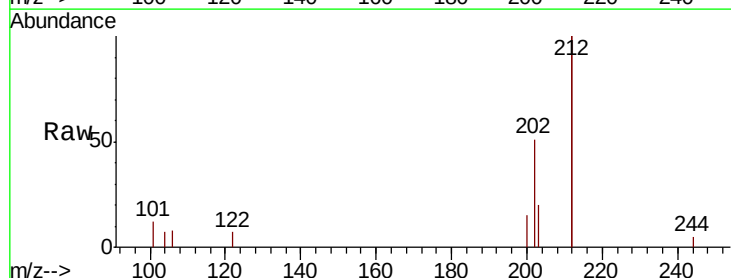
Manual Integrations
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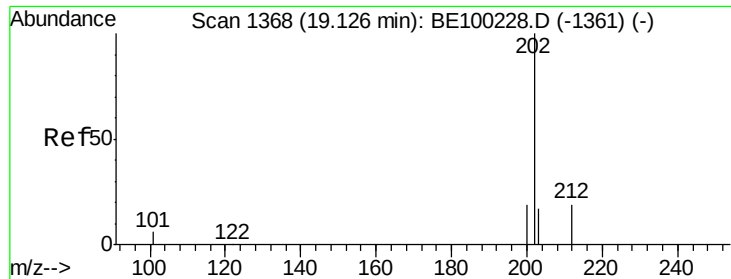
mohammad
 7/10/2019 9:03:58 AM



#25
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 19.08 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.0	1.4#
104	1.1	0.6	1.0#





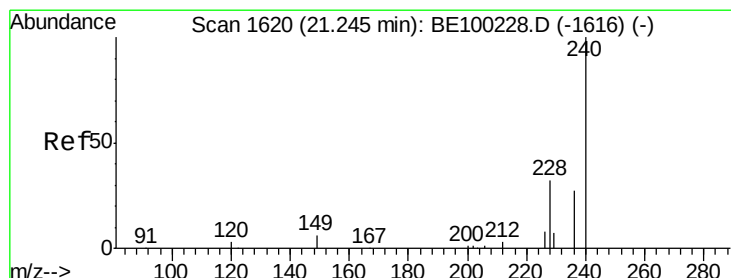
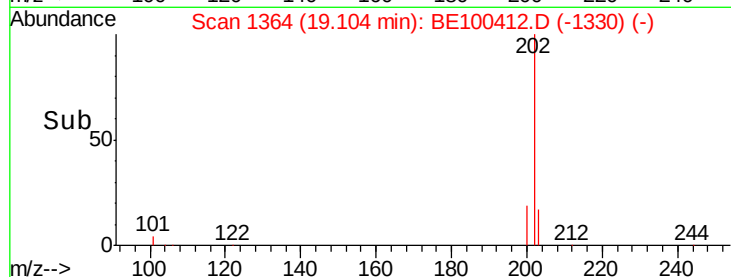
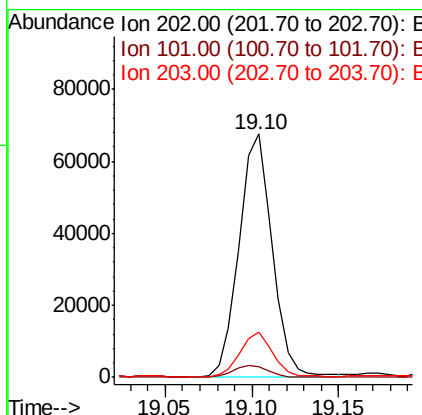
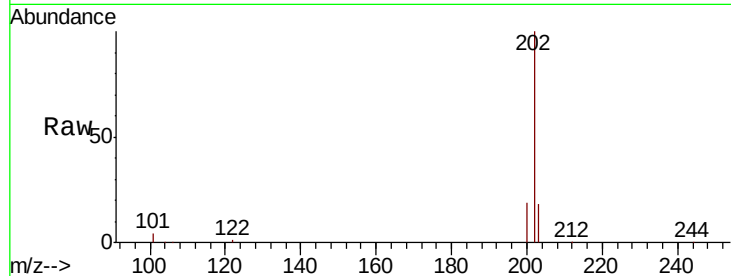
#26
Fluoranthene
Concen: 4.947 ng
RT: 19.10 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	90040		
101	4.9		4.2	6.2
203	17.8		13.7	20.5

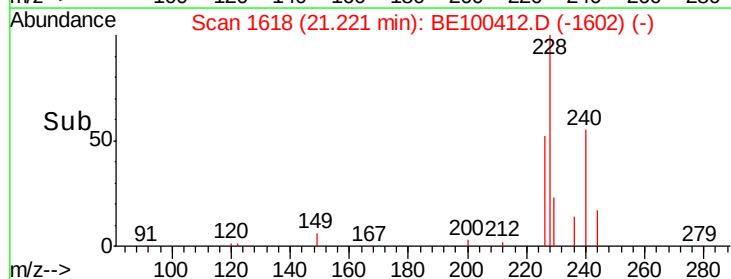
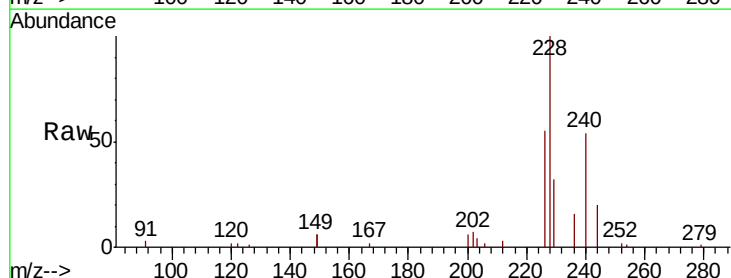
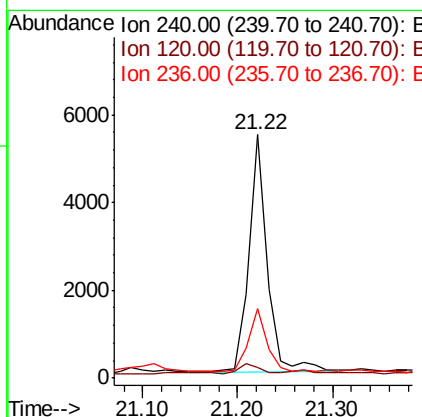
Manual Integrations
APPROVED

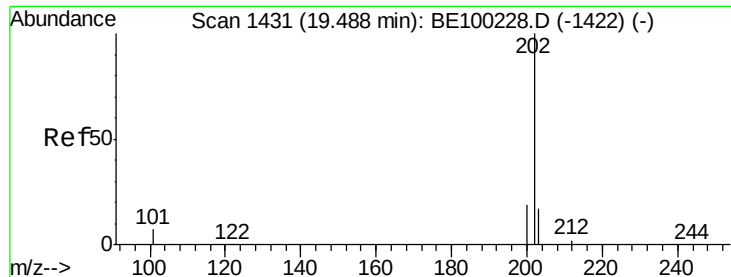
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	7285		
120	4.6		5.4	8.2#
236	28.8		23.2	34.8





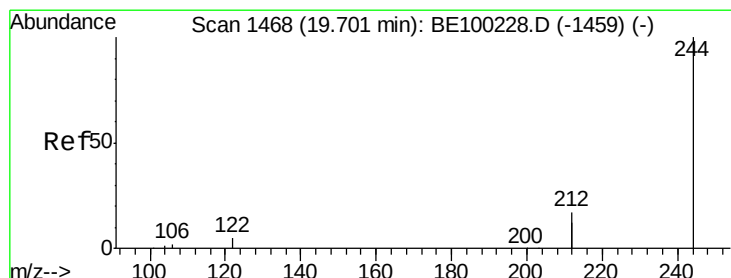
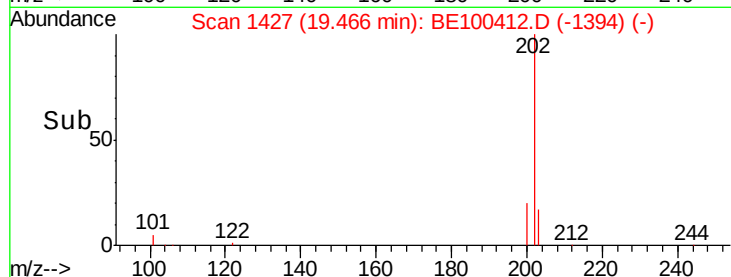
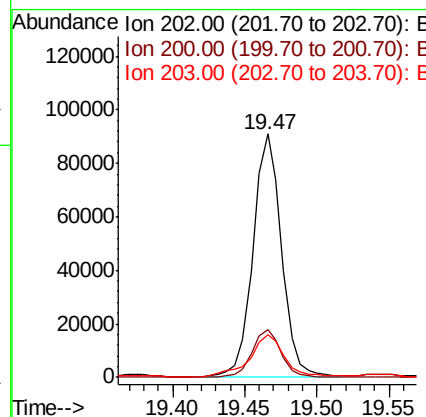
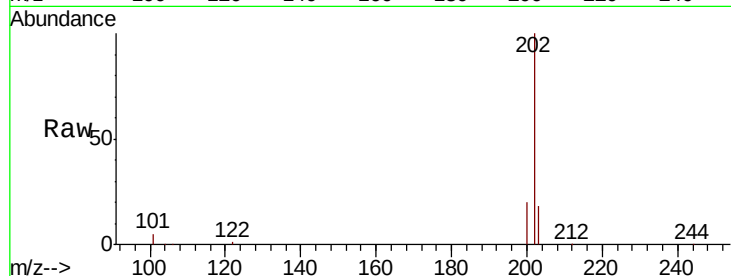
#28
 Pyrene
 Concen: 6.488 ng
 RT: 19.47 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.2	22.8
203	20.5	14.1	21.1

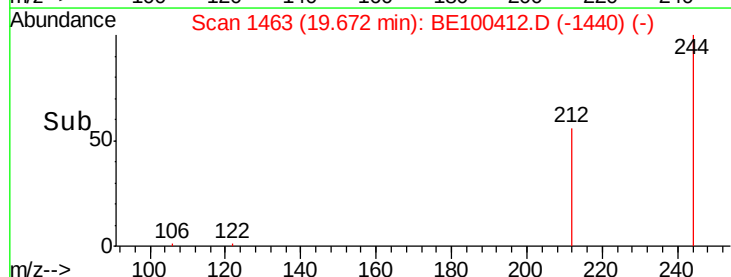
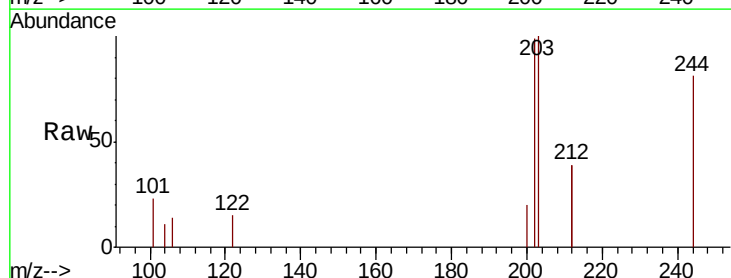
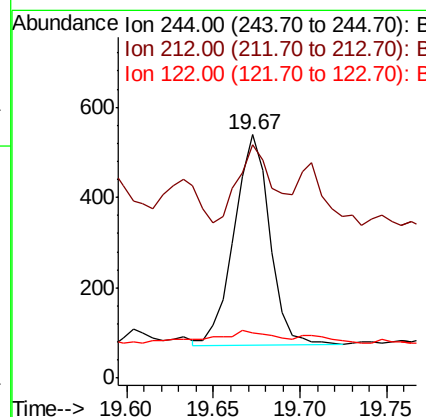
Manual Integrations
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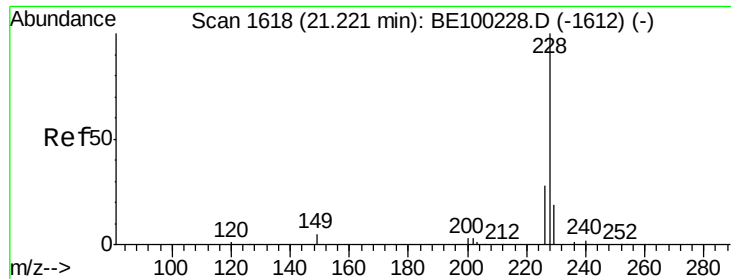
mohammad
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#29
 Terphenyl-d14
 Concen: 0.044 ng
 RT: 19.67 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	95.7	33.0	49.6#
122	18.6	5.8	8.8#





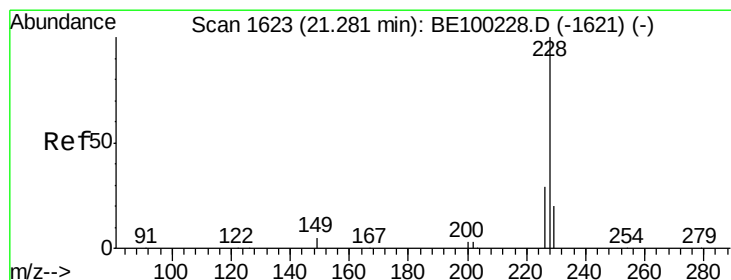
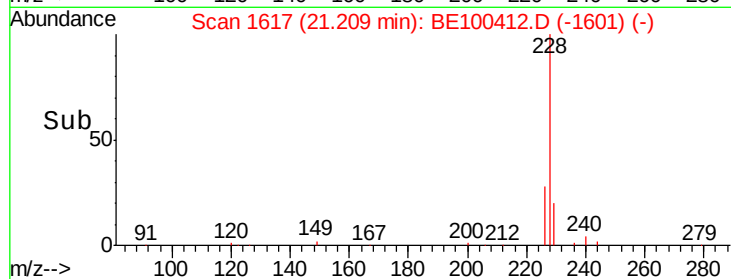
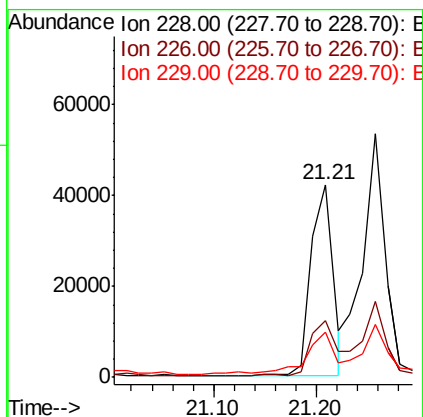
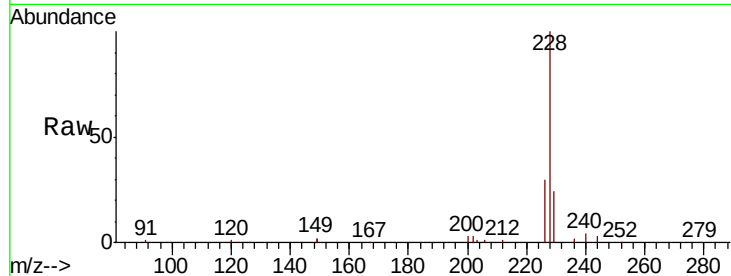
#30
Benzo(a)anthracene
Concen: 2.625 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	23.5	17.4	26.0

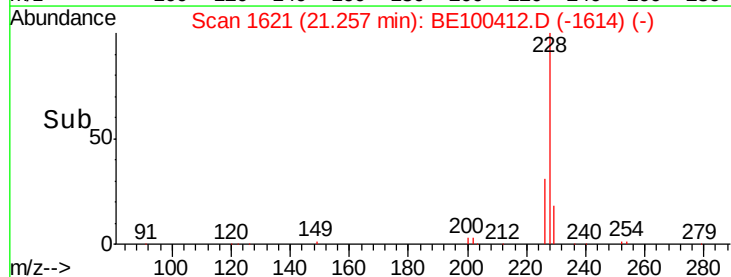
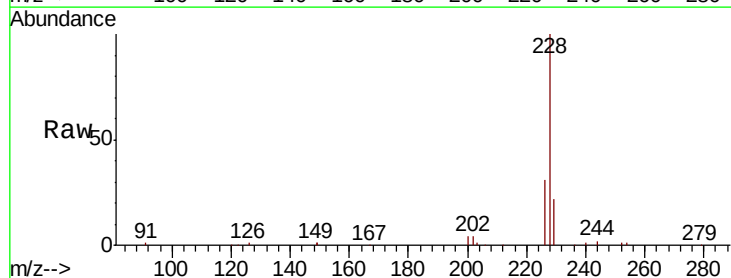
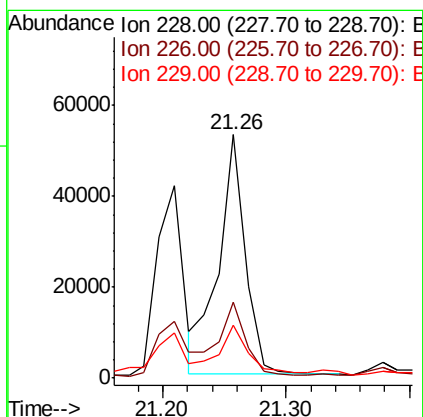
Manual Integrations
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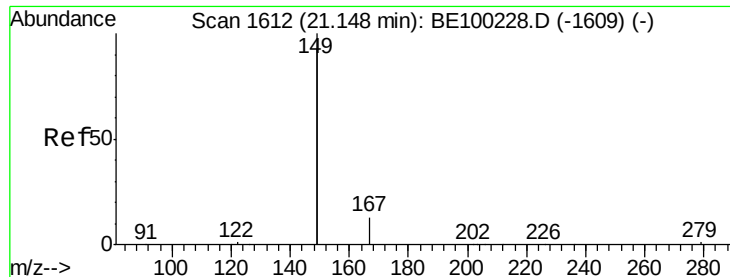
mohammad
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#31
Chrysene
Concen: 3.333 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.8	16.9	25.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.569 ng

RT: 21.12 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

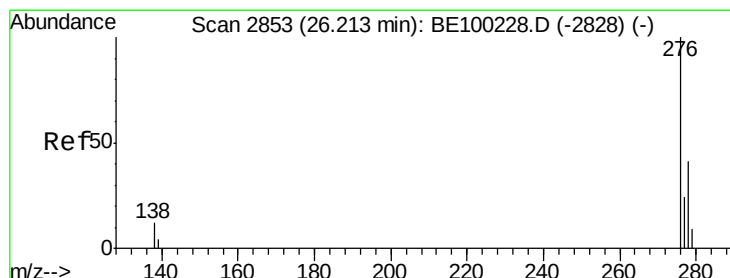
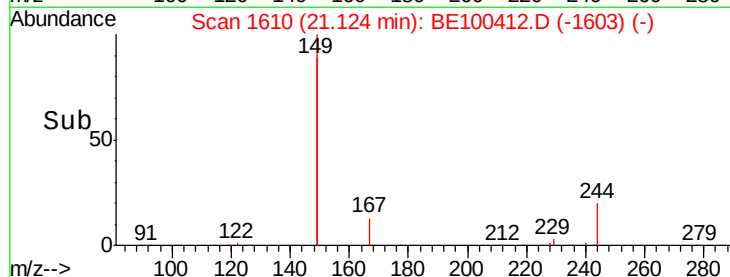
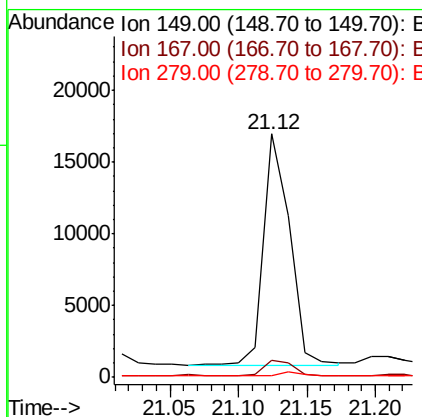
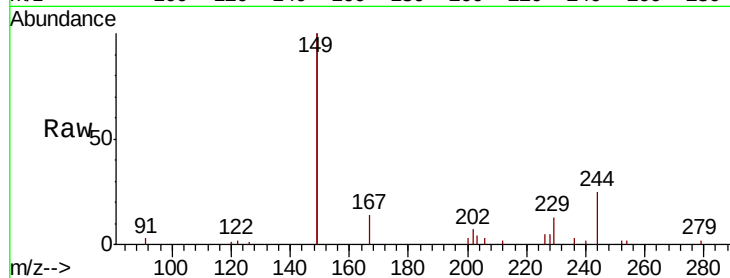
ClientSampleId :

EXT-016-SW097-062519DL

Tgt Ion:	149	Resp:	21216
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.7	8.5
279	1.5	1.4	2.0

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.239 ng

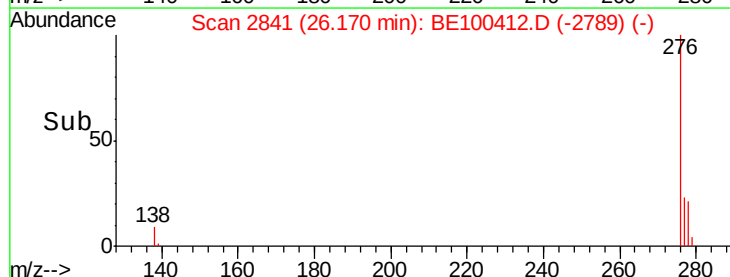
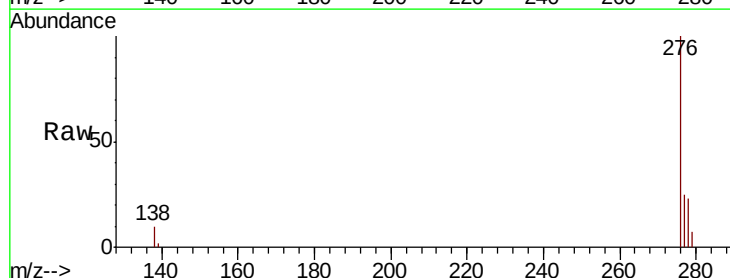
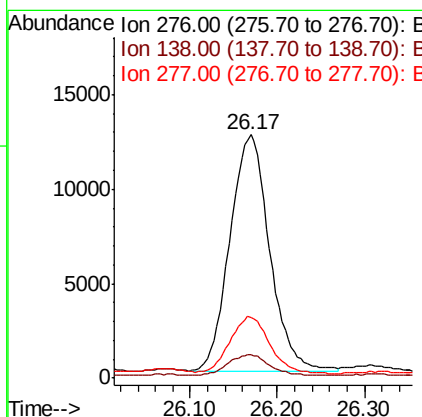
RT: 26.17 min Scan# 2841

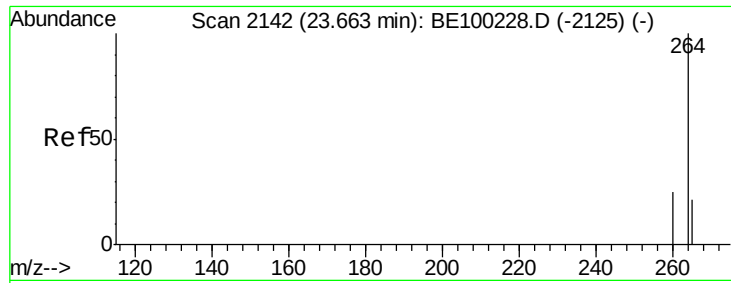
Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Tgt Ion:	276	Resp:	39425
Ion Ratio	Lower	Upper	
276	100		
138	8.8	7.6	11.4
277	24.2	20.0	30.0





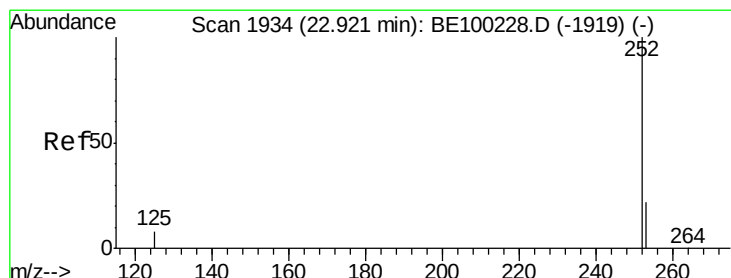
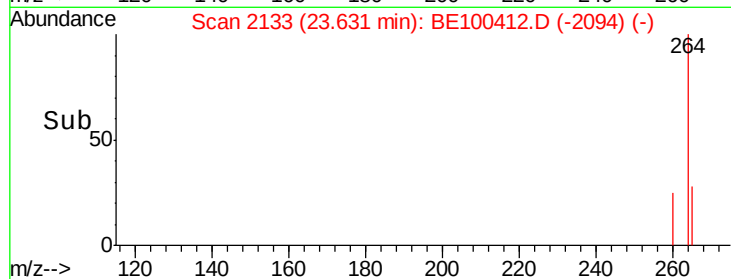
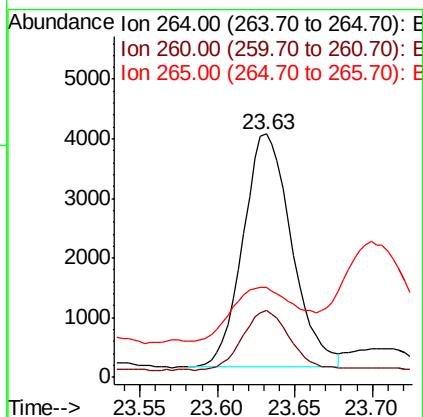
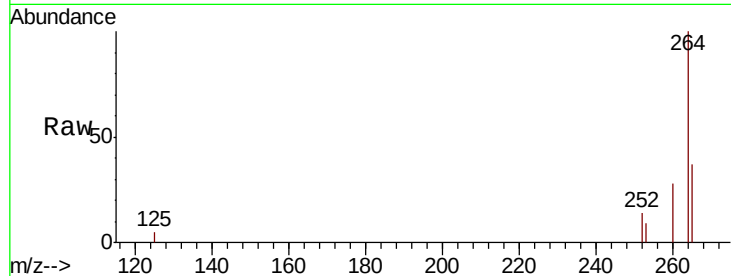
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.63 min Scan# 2133
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.0	33.0
265	36.9	26.0	39.0

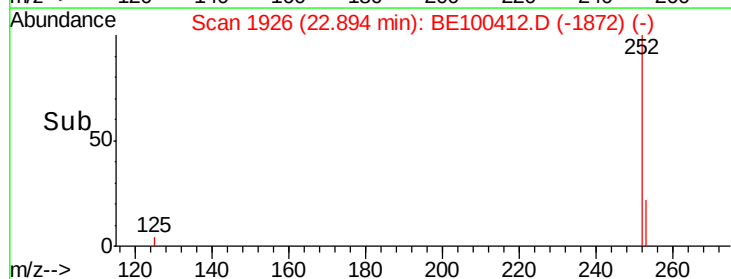
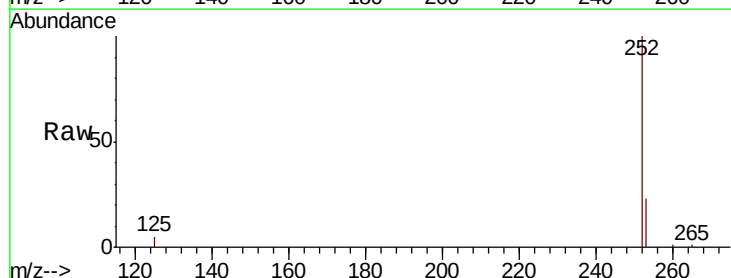
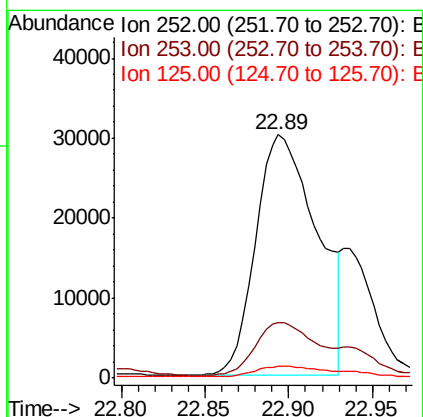
Manual Integrations
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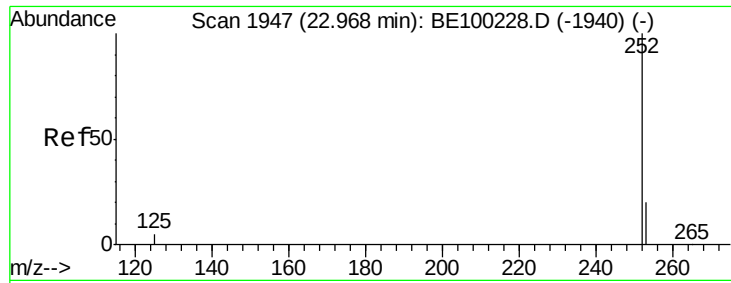
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#35
 Benzo(b)fluoranthene
 Concen: 3.312 ng
 RT: 22.89 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.0	30.0
125	4.8	6.3	9.5





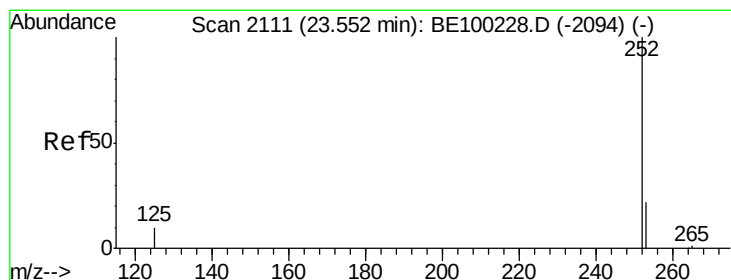
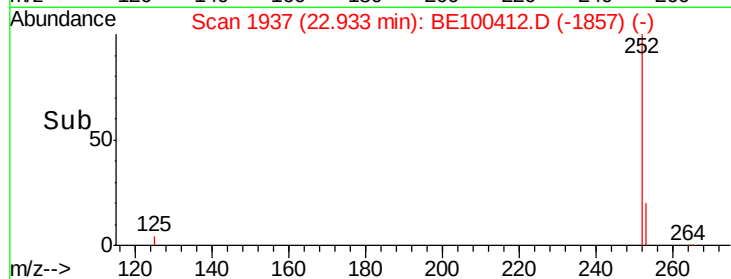
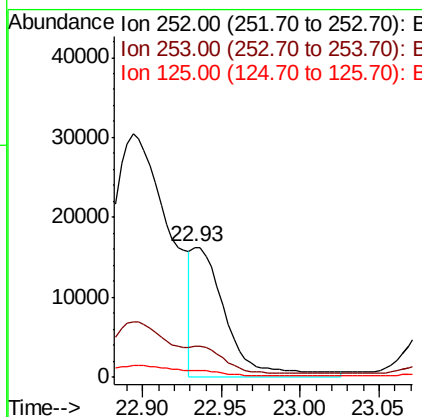
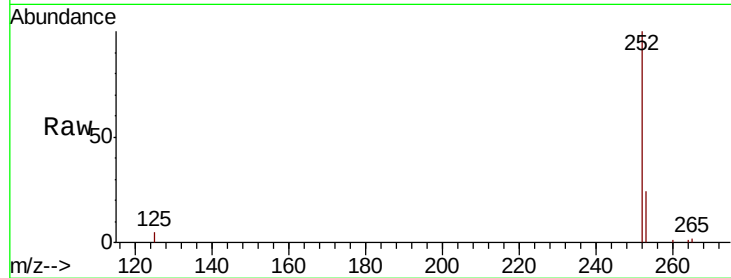
#36
Benzo(k)fluoranthene
Concen: 0.946 ng m
RT: 22.93 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	5.2	5.4	8.0#

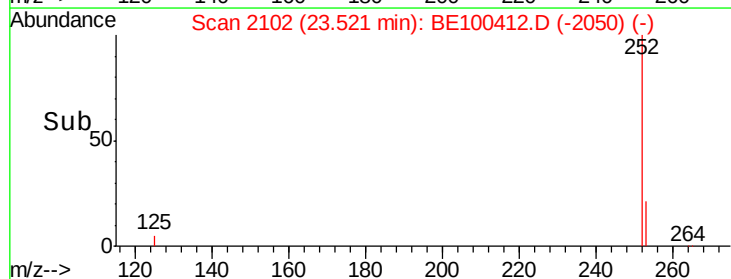
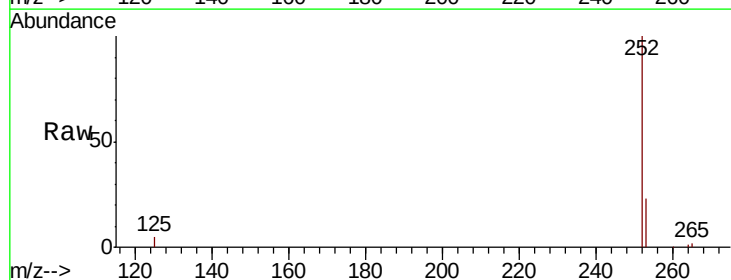
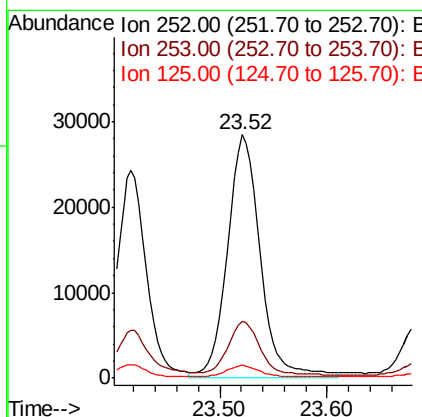
Manual Integrations
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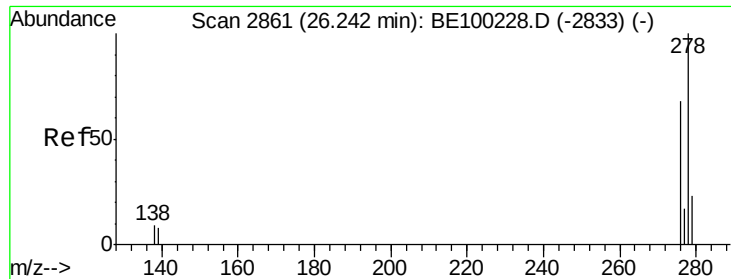
mohammad
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#37
Benzo(a)pyrene
Concen: 2.635 ng m
RT: 23.52 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	21.0	31.6
125	5.2	7.8	11.8#





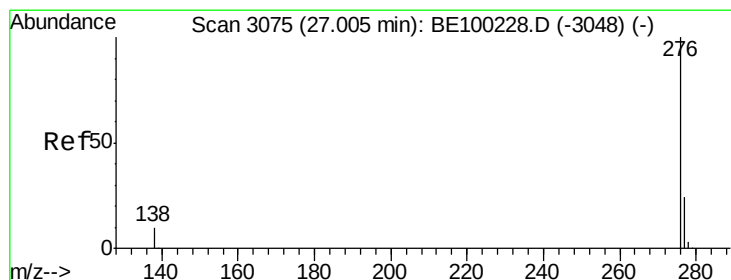
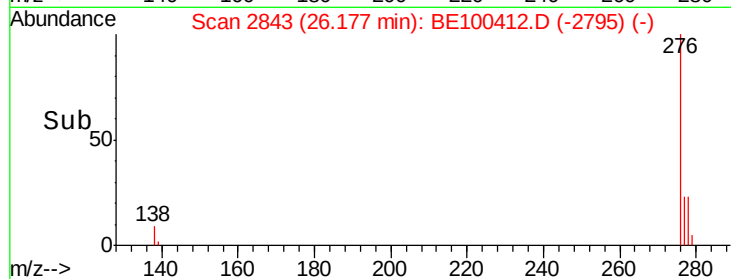
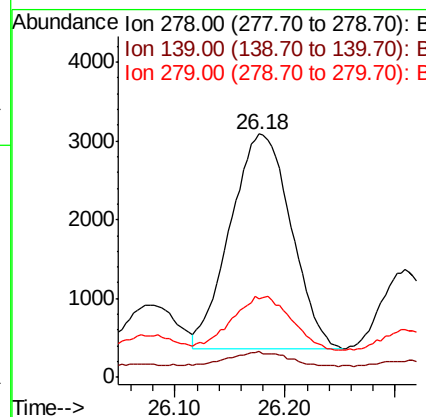
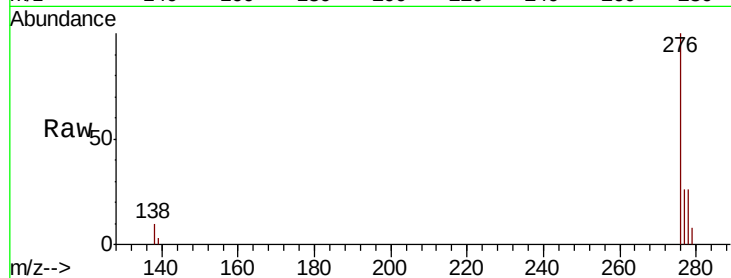
#38
 Dibenzo(a,h)anthracene
 Concen: 0.432 ng
 RT: 26.18 min Scan# 2843
 Delta R.T. -0.03 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.4	9.8	14.8
279	32.1	22.6	34.0

Manual Integrations
 APPROVED

mohammad
 7/10/2019 9:03:58 AM



#39
 Benzo(g,h,i)perylene
 Concen: 1.876 ng
 RT: 26.95 min Scan# 3061
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.7	31.1
138	9.6	10.2	15.2

