

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100400.D
 Acq On : 6 Jul 2019 3:04
 Operator : JU/SJ
 Sample : K3558-05DL 25X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW085-062519DL

Manual Integrations
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mohammad
 7/8/2019 2:14:31 PM

Quant Time: Jul 06 05:44:28 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	509	0.40	ng	-0.01
7) Naphthalene-d8	10.42	136	1961	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1550	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	4682	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6360	0.40	ng	-0.01
34) Perylene-d12	23.65	264	7585	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	4	0.00	ng	-0.02
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	12.04	152	62	0.02	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	10	0.01	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	35	0.01	ng	-0.01
25) Fluoranthene-d10	19.08	212	445	0.01	ng	-0.02
29) Terphenyl-d14	19.68	244	175	0.01	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.47	128	2685	0.124	ng	# 90
12) 2-Methylnaphthalene	12.11	142	679	0.179	ng	91
16) Acenaphthylene	14.02	152	1919	0.258	ng	# 95
17) Acenaphthene	14.37	154	930	0.221	ng	91
18) Fluorene	15.34	166	2975	0.477	ng	# 88
23) Phenanthrene	17.08	178	69507	6.125	ng	99
24) Anthracene	17.17	178	4901	0.480	ng	# 89
26) Fluoranthene	19.11	202	84944	4.700	ng	98
28) Pyrene	19.48	202	126729	7.526	ng	96
30) Benzo(a)anthracene	21.22	228	55946	2.675	ng	96
31) Chrysene	21.27	228	68320	3.254	ng	98
33) Indeno(1,2,3-cd)pyrene	26.20	276	28177	1.015	ng	# 95
35) Benzo(b)fluoranthene	22.91	252	53434	2.598	ng	# 96
36) Benzo(k)fluoranthene	22.95	252	20533m	0.894	ng	
37) Benzo(a)pyrene	23.54	252	46304m	2.247	ng	
38) Dibenzo(a,h)anthracene	26.21	278	7570	0.352	ng	# 86
39) Benzo(a,h,i)perylene	26.98	276	33873	1.532	ng	99

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

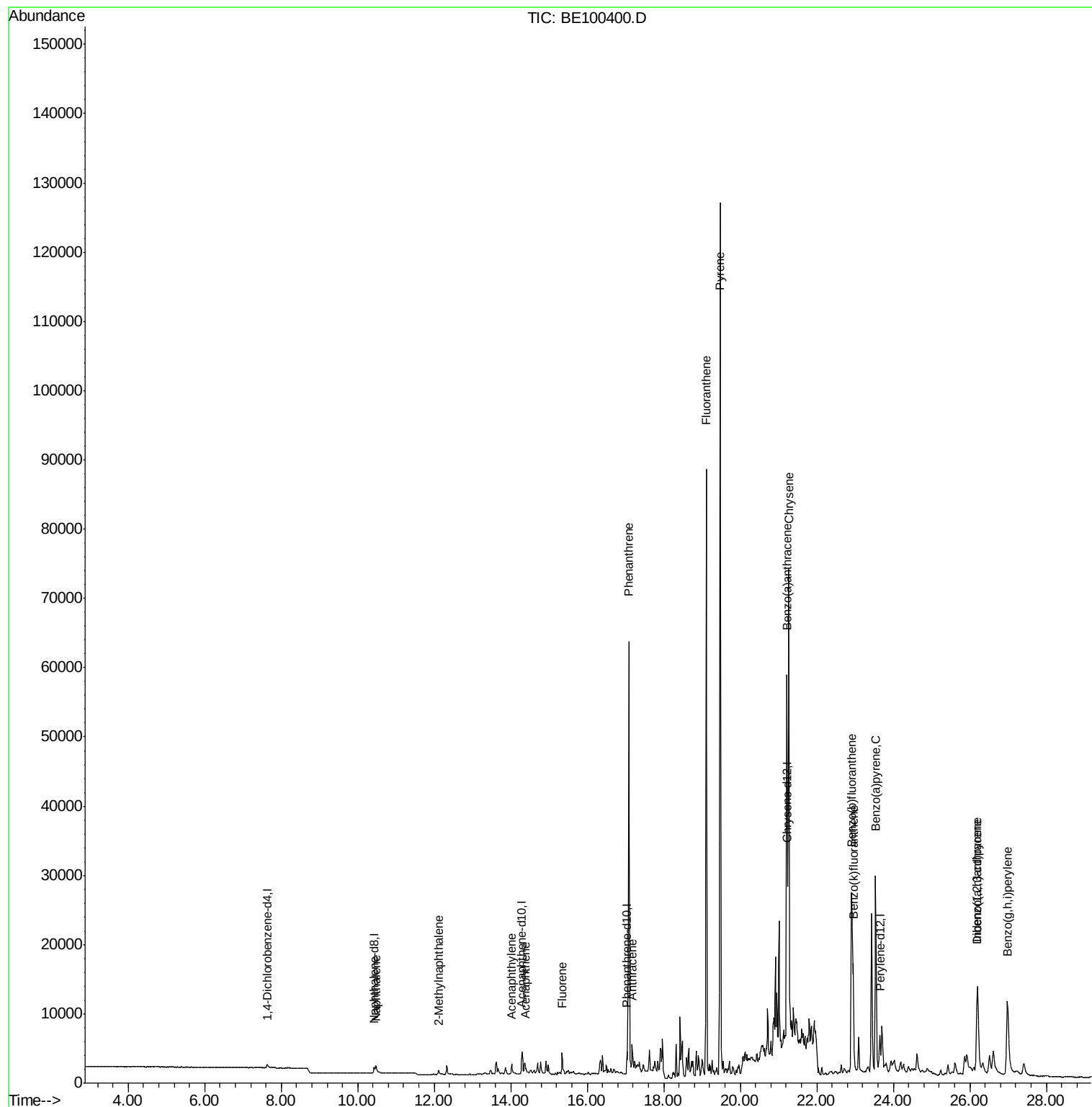
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100400.D
Acq On : 6 Jul 2019 3:04
Operator : JU/SJ
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ALS Vial : 25 Sample Multiplier: 1

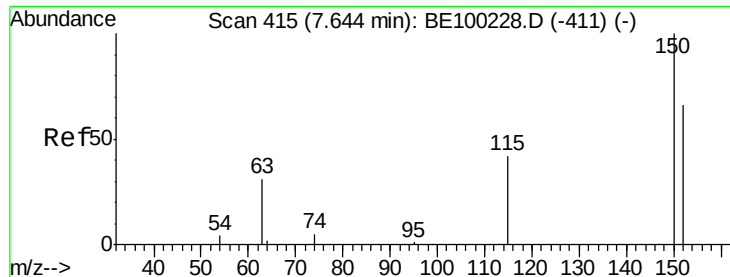
Instrument :
BNA_E
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EXT-015-SW085-062519DL

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Quant Time: Jul 06 05:44:28 2019
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QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.63 min Scan# 414

Delta R.T. -0.01 min

Lab File: BE100400.D

Acq: 6 Jul 2019 3:04

Instrument :

BNA_E

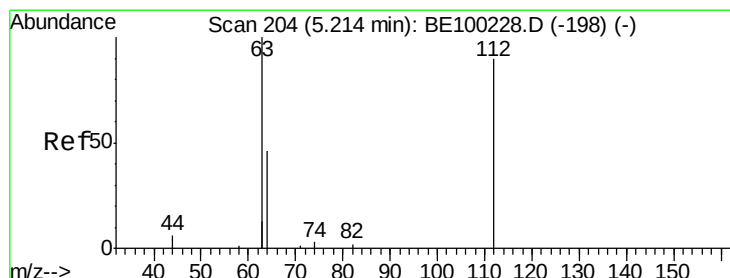
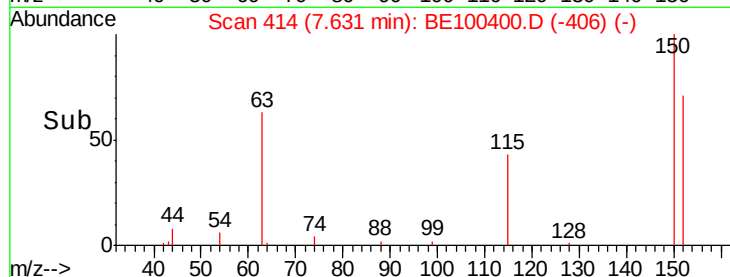
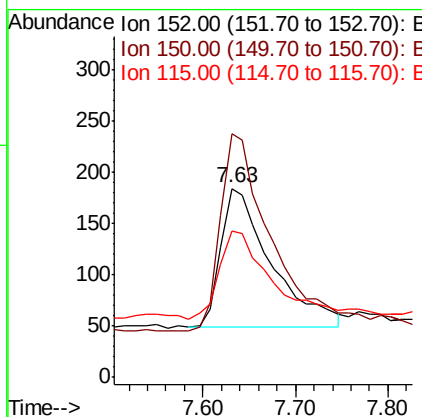
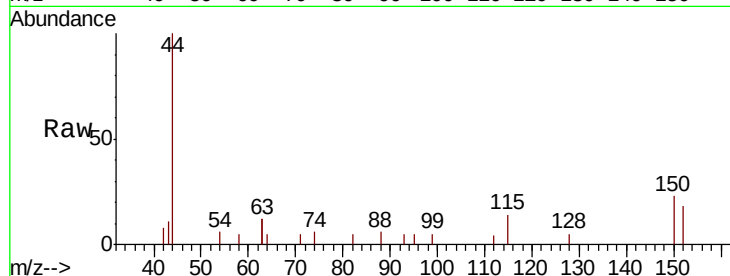
ClientSampleId :

EXT-015-SW085-062519DL

Tot Ion:	152	Resp:	509
Ion	Ratio	Lower	Upper
152	100		
150	128.8	114.5	171.7
115	77.7	57.1	85.7

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#4

2-Fluorophenol

Concen: 0.003 ng

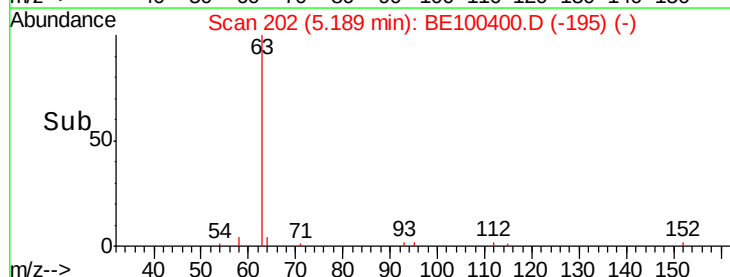
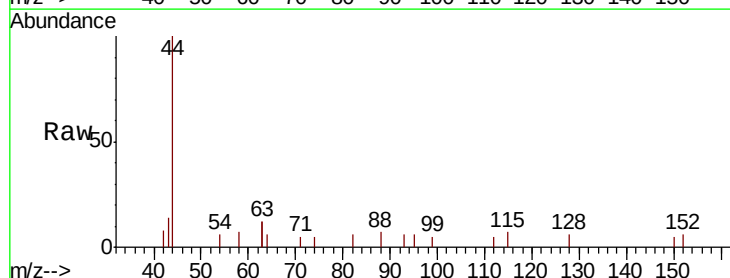
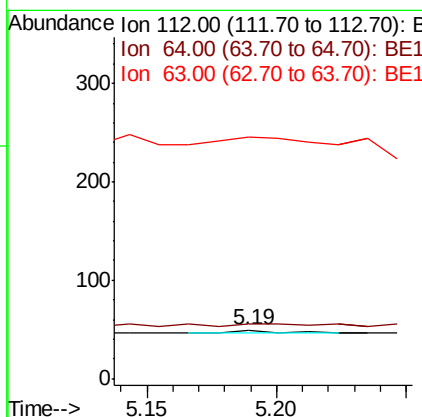
RT: 5.19 min Scan# 202

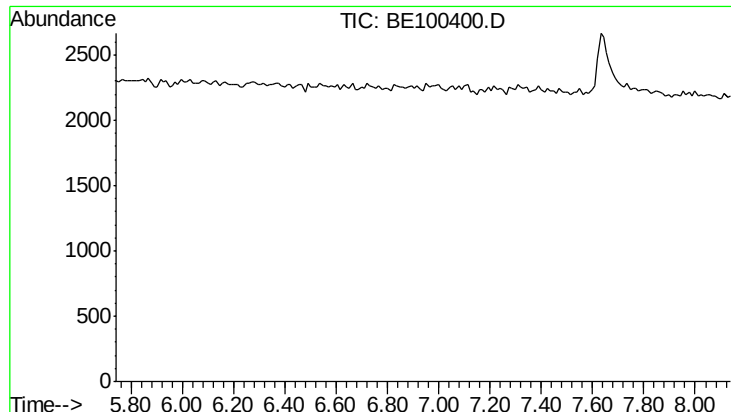
Delta R.T. -0.02 min

Lab File: BE100400.D

Acq: 6 Jul 2019 3:04

Tgt Ion:	112	Resp:	4
Ion	Ratio	Lower	Upper
112	100		
64	150.0	39.4	59.0#
63	1900.0	104.5	156.7#





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.84 min

Lab File: BE100400.D

Acq: 6 Jul 2019 3:04

Tot Ion: 99

Sig Exp Ratio

99 100

42 14.0

71 46.5

Instrument :

BNA_E

ClientSampleId :

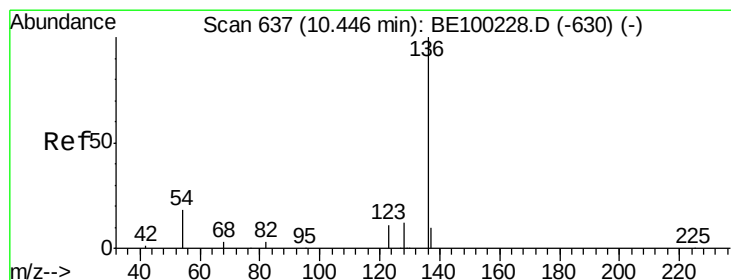
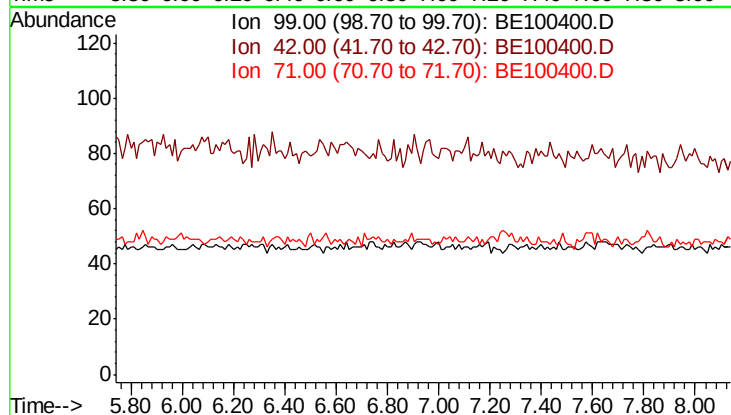
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100400.D

Acq: 6 Jul 2019 3:04

Tgt Ion:136 Resp: 1961

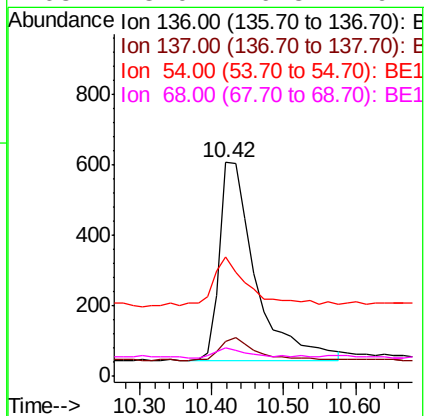
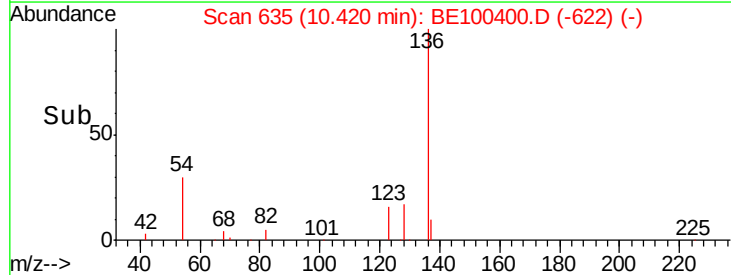
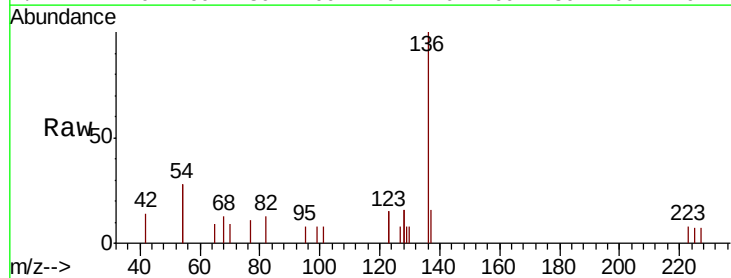
Ion Ratio Lower Upper

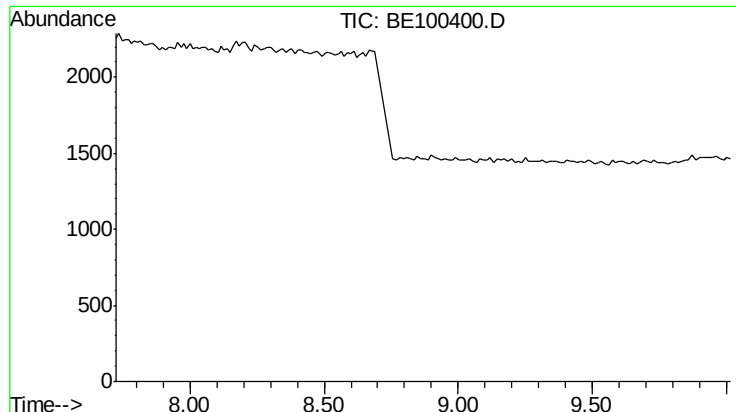
136 100

137 16.5 11.8 17.8

54 56.0 27.7 41.5#

68 13.0 6.8 10.2#





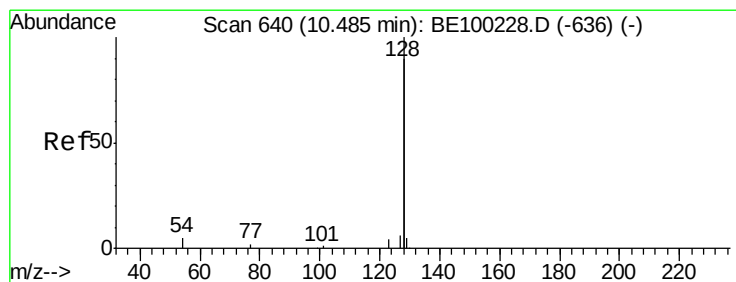
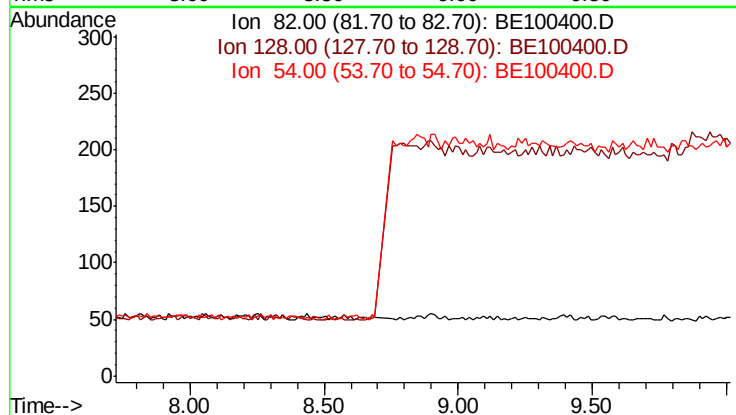
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.82 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW085-062519DL

Tot Ion	82
Sig	Exp Ratio
82	100
128	176.1
54	182.7

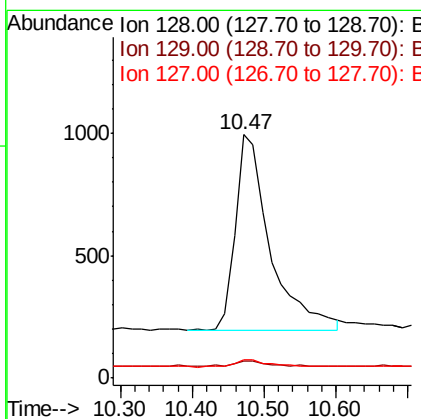
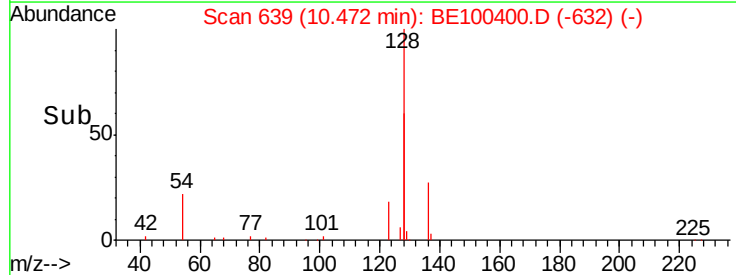
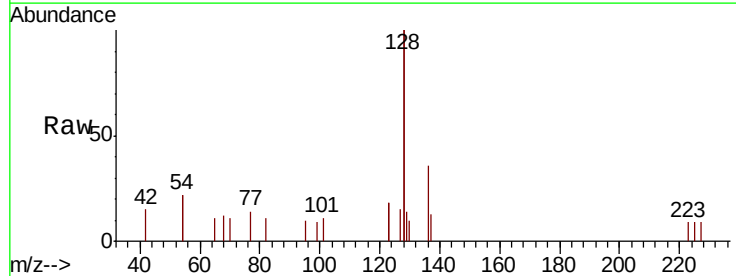
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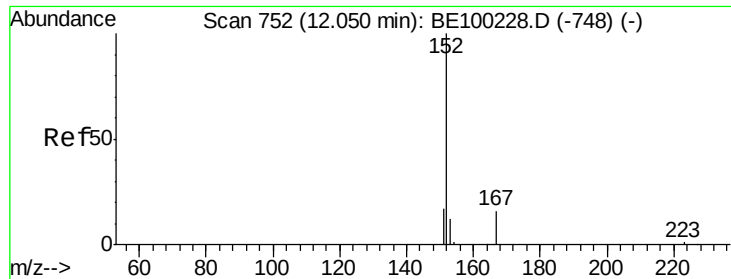
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#9
 Naphthalene
 Concen: 0.124 ng
 RT: 10.47 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Tgt Ion	128	Resp	2685
Ion	Ratio	Lower	Upper
128	100		
129	7.0	3.0	4.6#
127	7.5	3.5	5.3#





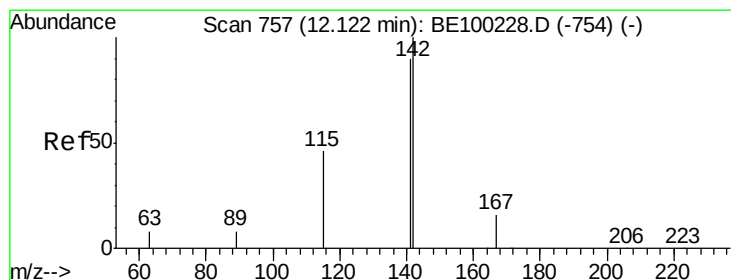
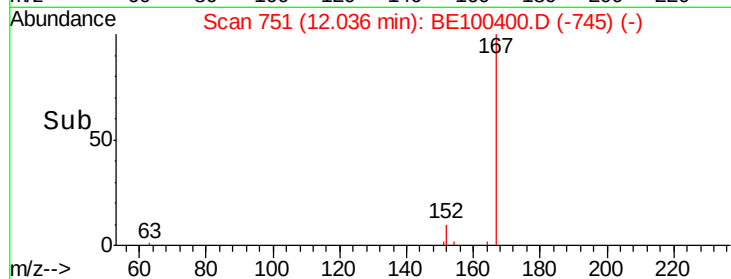
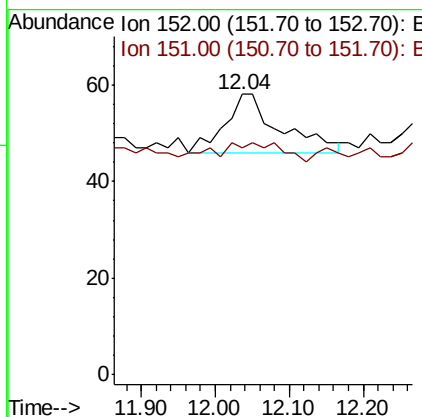
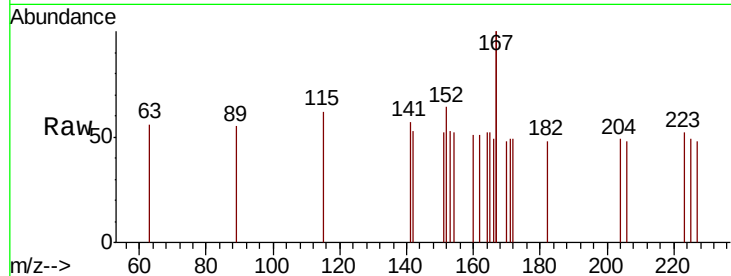
#11
2-Methylnaphthalene-d10
Concen: 0.017 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion:152 Resp: 62
Ion Ratio Lower Upper
152 100
151 41.9 15.1 22.7#

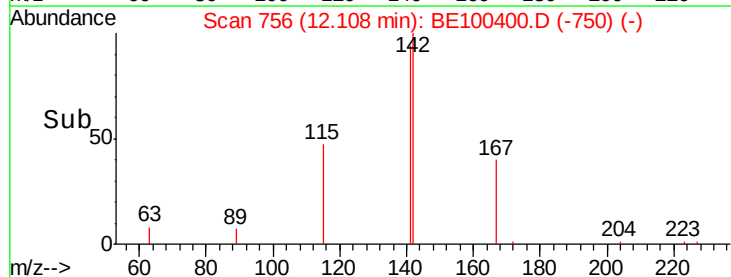
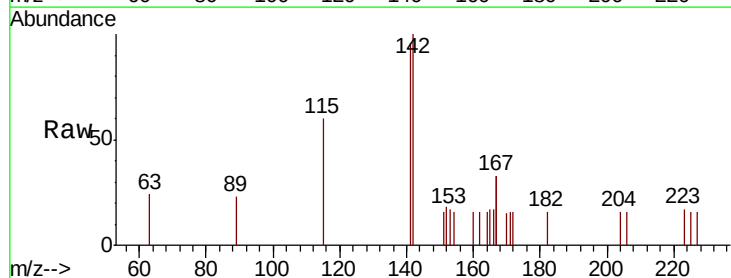
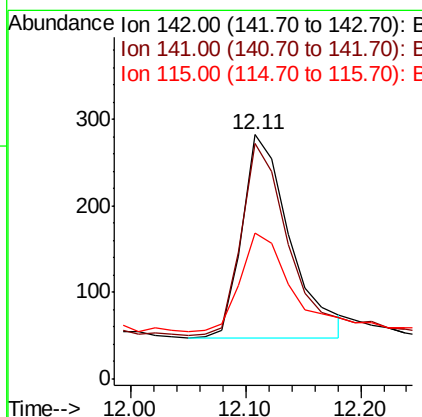
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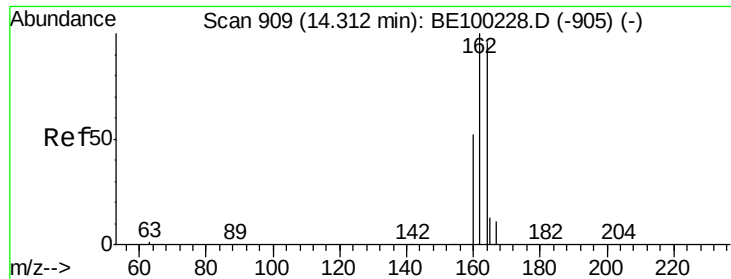
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#12
2-Methylnaphthalene
Concen: 0.179 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion:142 Resp: 679
Ion Ratio Lower Upper
142 100
141 96.5 72.4 108.6
115 59.6 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: BE100400.D

Acq: 6 Jul 2019 3:04

Instrument :

BNA_E

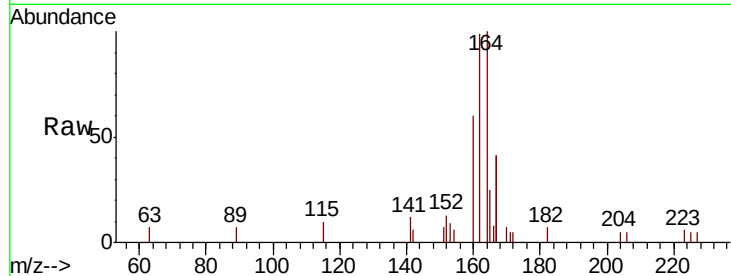
ClientSampleId :

EXT-015-SW085-062519DL

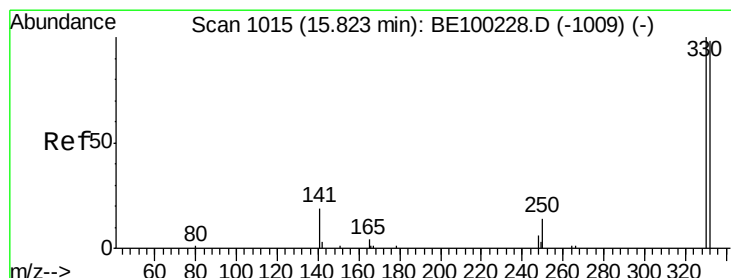
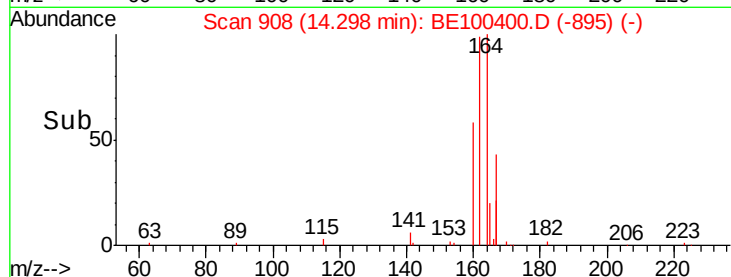
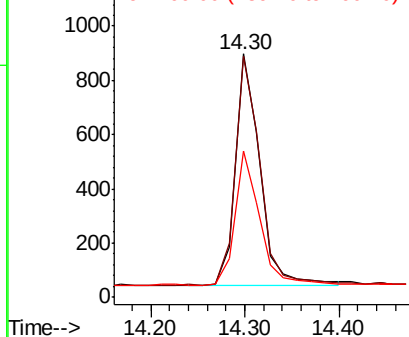
Tot Ion:	164	Resp:	1550
Ion Ratio	Lower	Upper	
164	100		
162	99.2	83.4	125.0
160	59.9	45.0	67.6

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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: 0.009 ng

RT: 15.81 min Scan# 1014

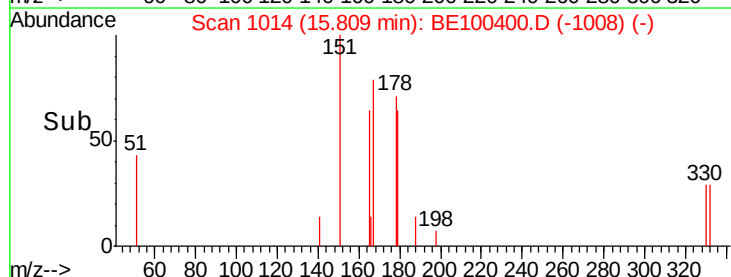
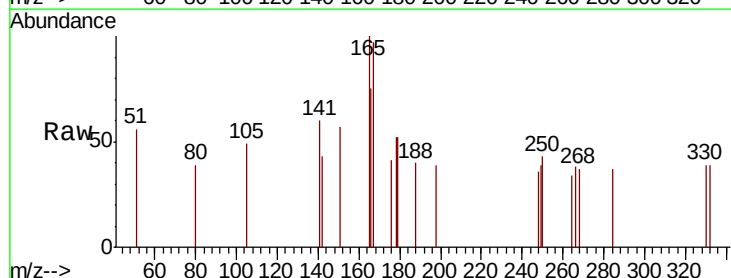
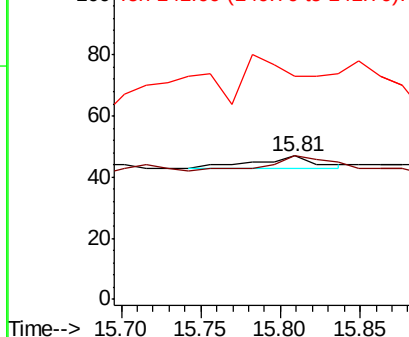
Delta R.T. -0.01 min

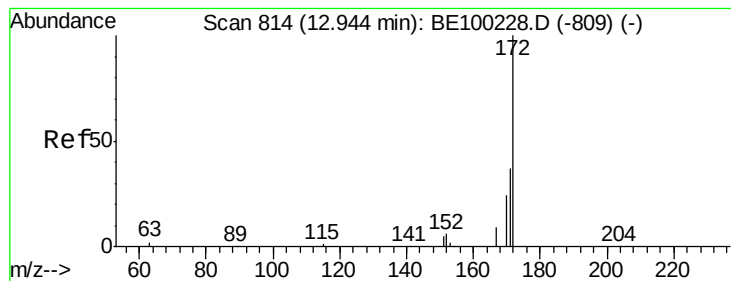
Lab File: BE100400.D

Acq: 6 Jul 2019 3:04

Tgt Ion:	330	Resp:	10
Ion Ratio	Lower	Upper	
330	100		
332	150.0	77.0	115.4#
141	0.0	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





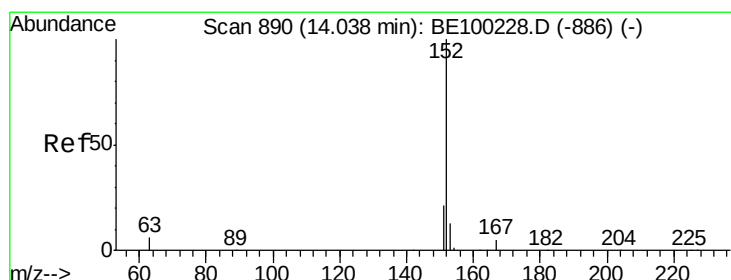
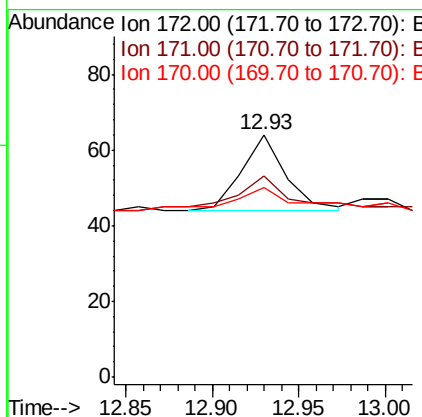
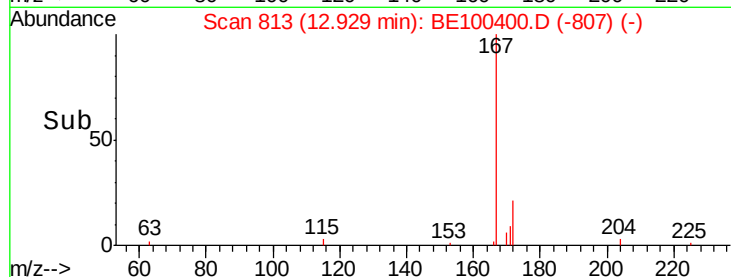
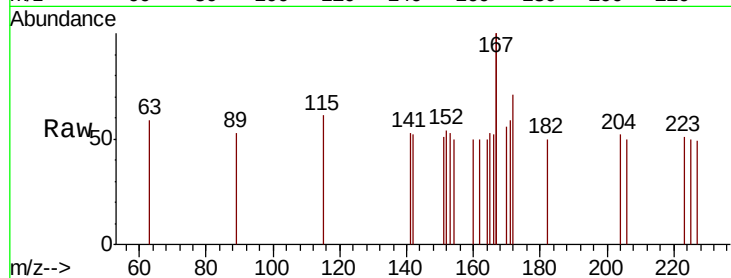
#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	82.8	31.9	47.9#
170	78.1	22.2	33.2#

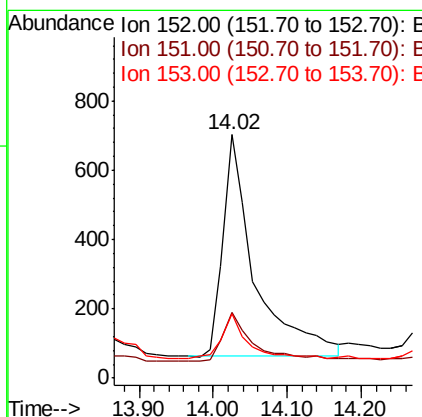
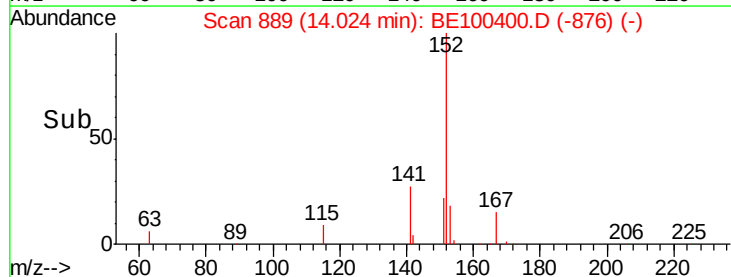
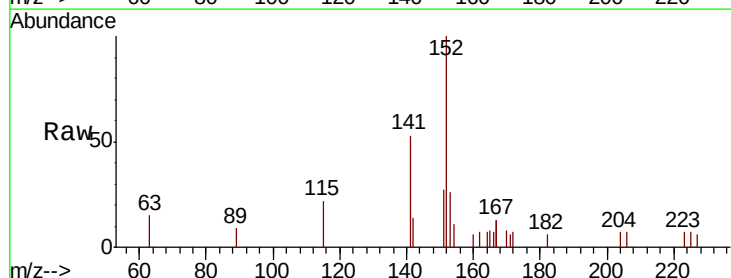
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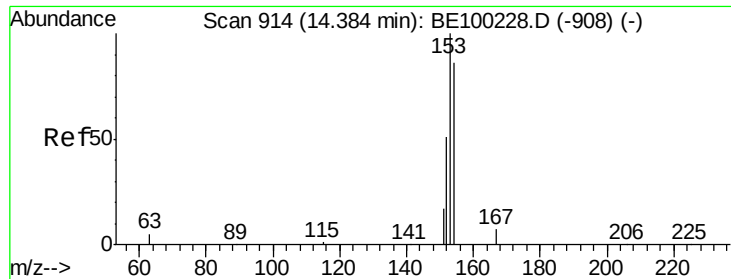
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#16
Acenaphthylene
Concen: 0.258 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.6	25.0
153	16.6	10.5	15.7#





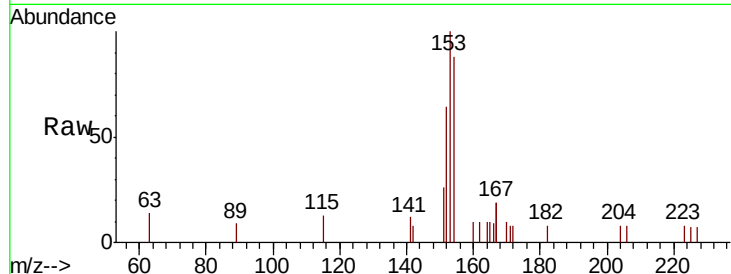
#17
Acenaphthene
Concen: 0.221 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	124.7	93.4	140.2
152	71.7	49.4	74.2

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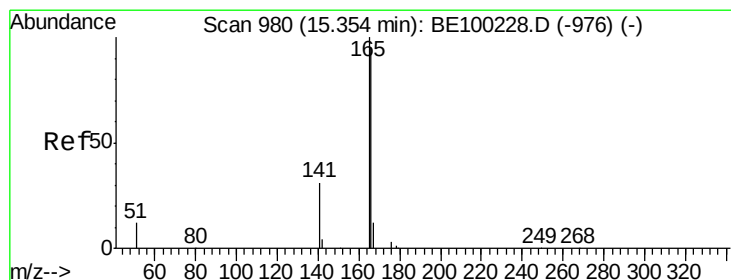
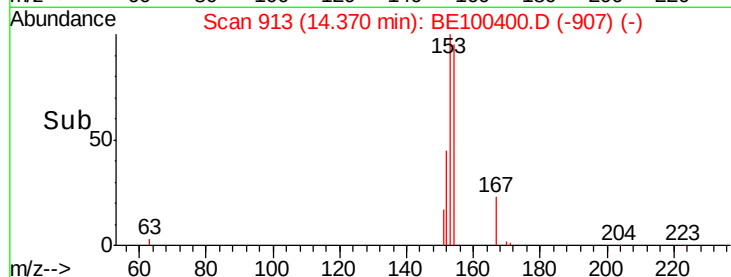
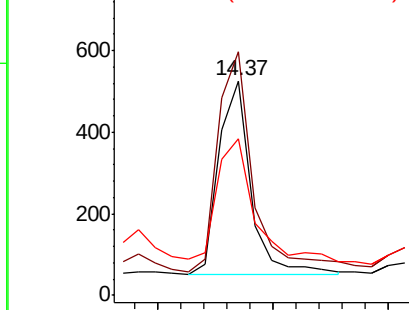


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.477 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

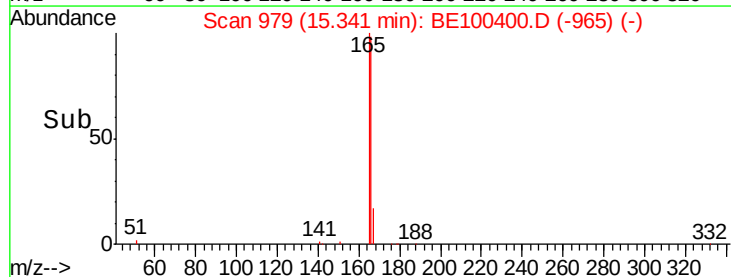
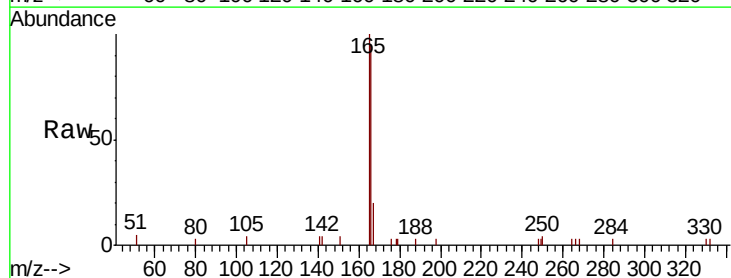
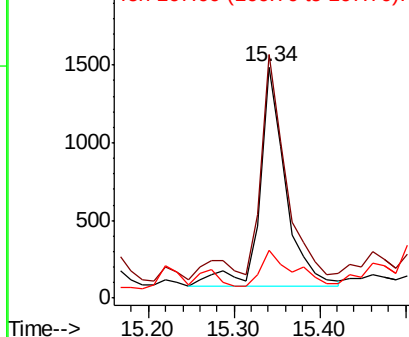
Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.5	81.1	121.7
167	20.3	10.7	16.1#

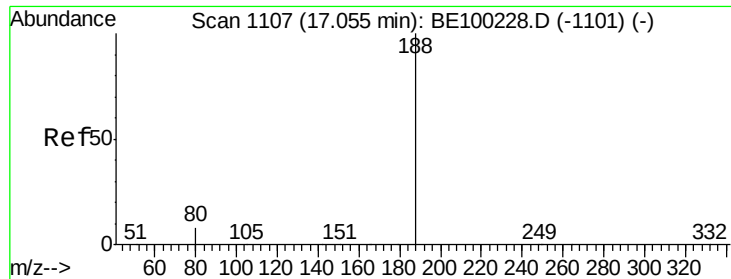
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





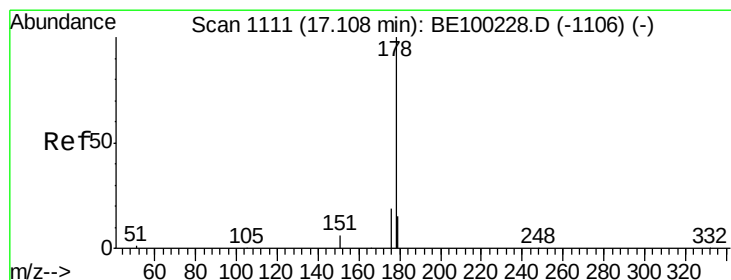
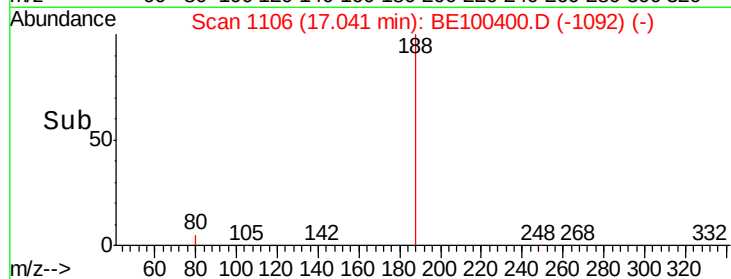
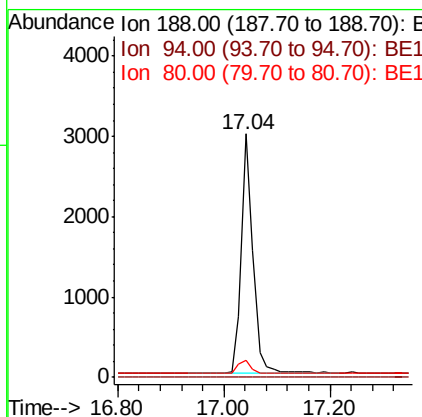
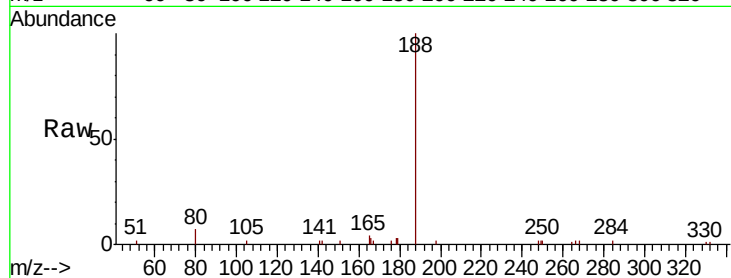
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	4682		
94	0.0	0.0	0.0	
80	7.0	7.6	11.4	

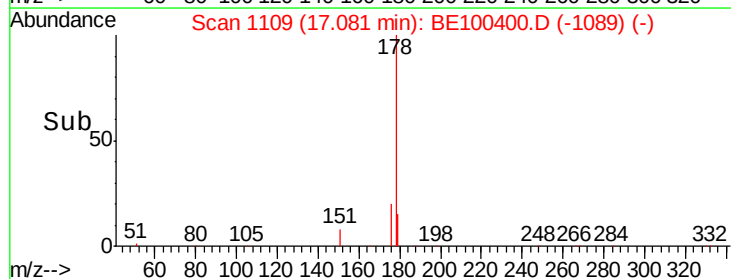
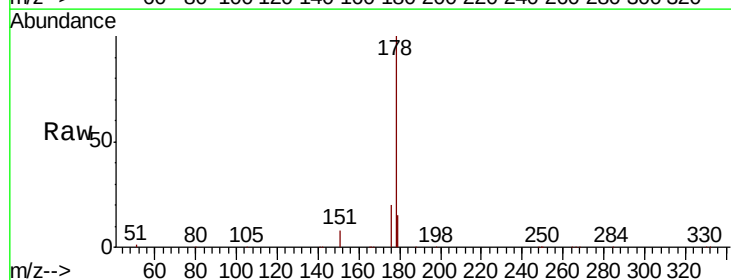
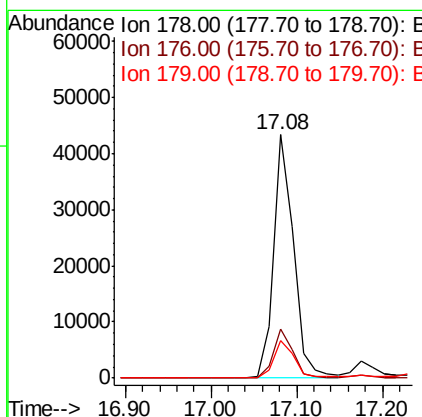
Manual Integrations
APPROVED

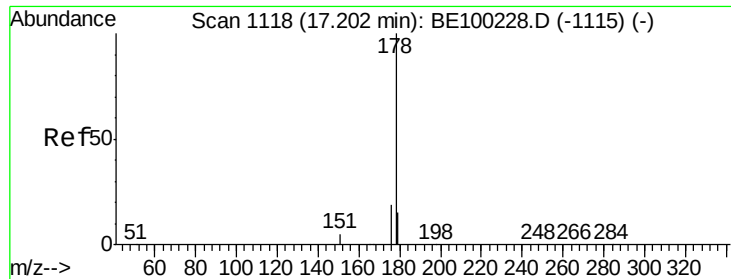
mohammad
7/8/2019 2:14:31 PM



#23
Phenanthrene
Concen: 6.125 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	69507		
176	19.9	15.9	23.9	
179	15.8	12.2	18.2	





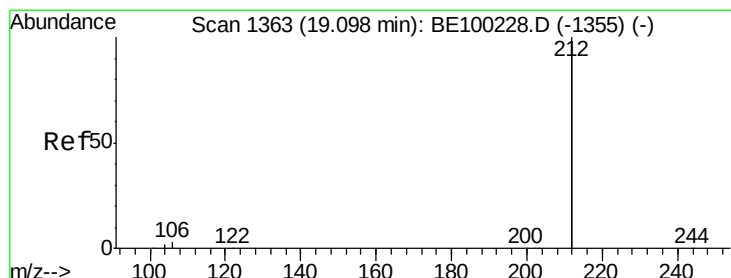
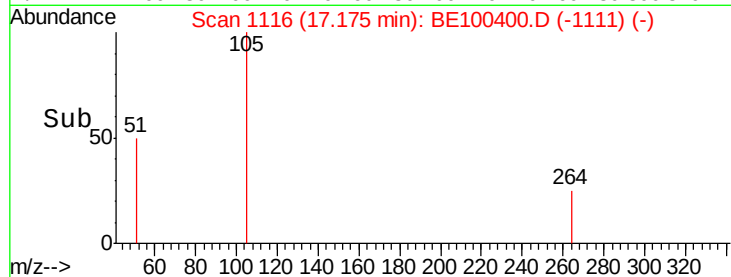
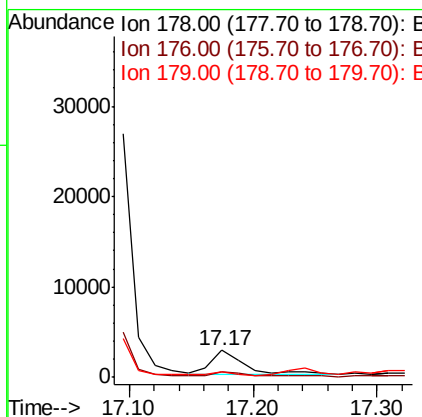
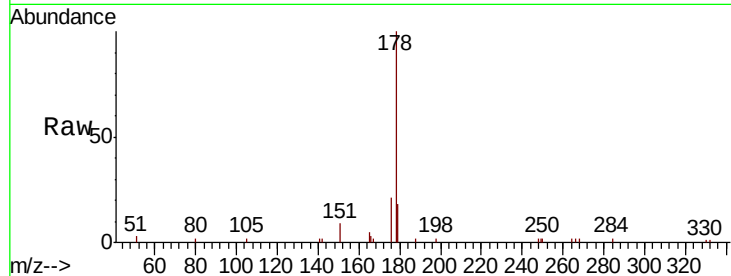
#24
 Anthracene
 Concen: 0.480 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.2	15.3	22.9#
179	9.4	12.2	18.2#

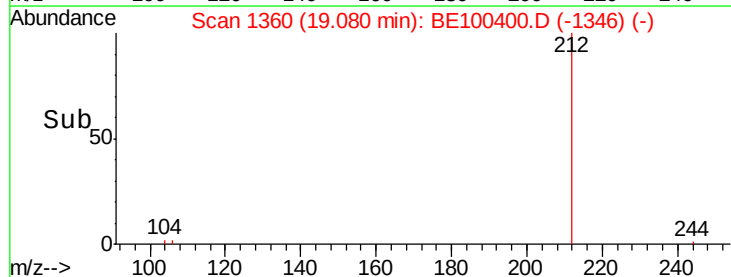
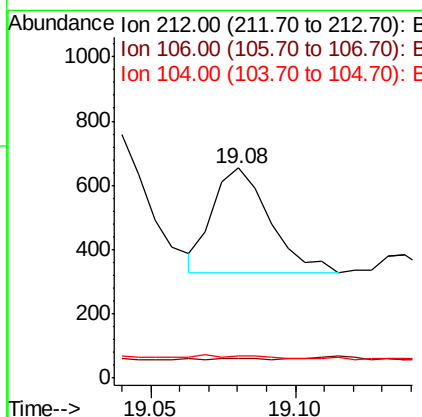
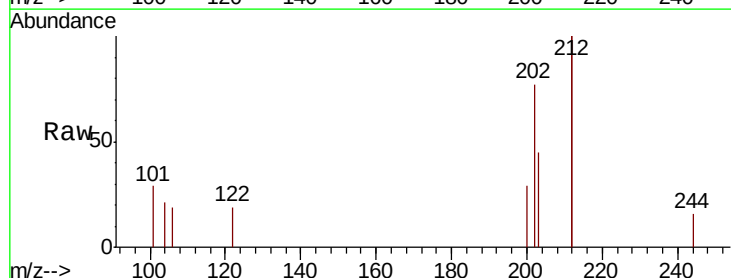
Manual Integrations
 APPROVED

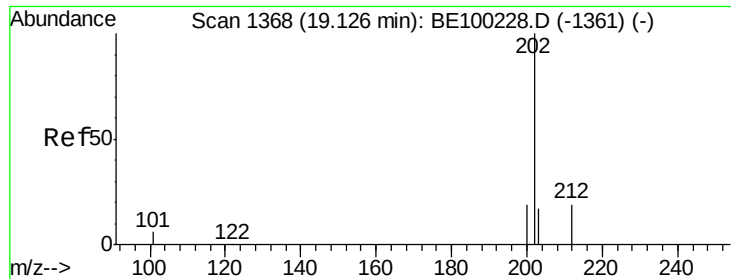
mohammad
 7/8/2019 2:14:31 PM



#25
 Fluoranthene-d10
 Concen: 0.007 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.3	1.9#
104	2.7	0.8	1.2#





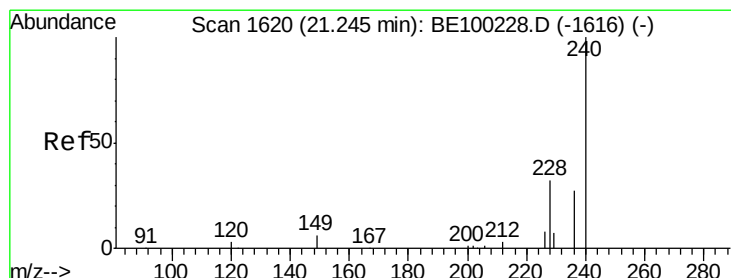
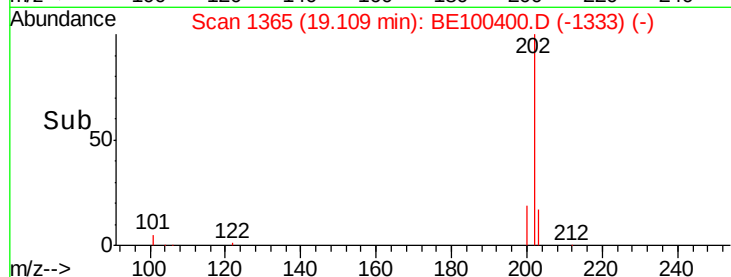
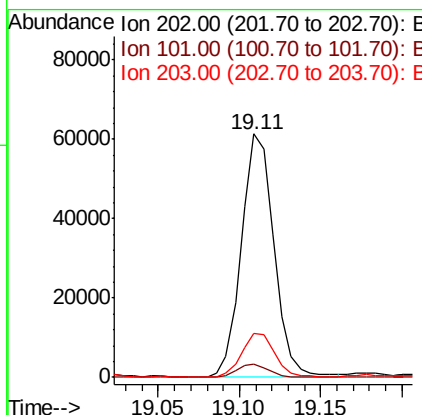
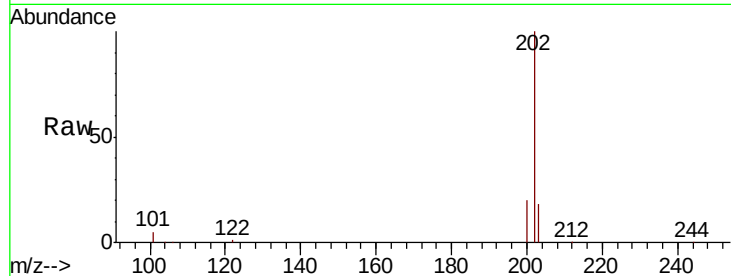
#26
 Fluoranthene
 Concen: 4.700 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.6	7.0
203	17.9	13.7	20.5

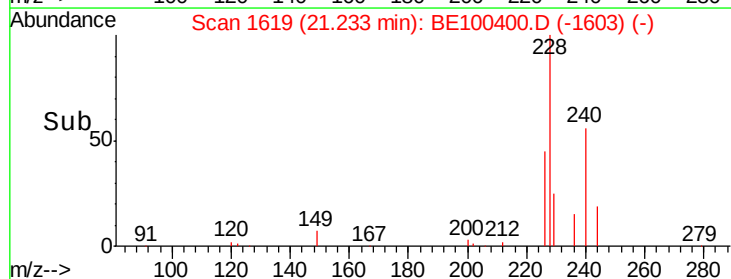
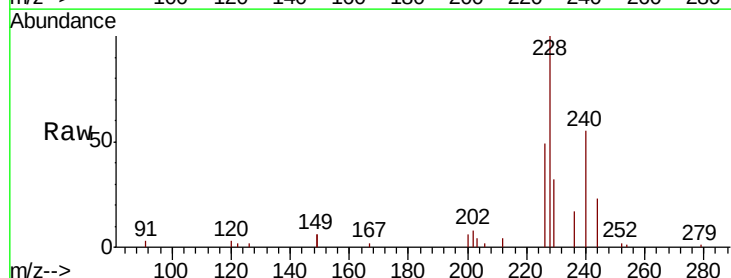
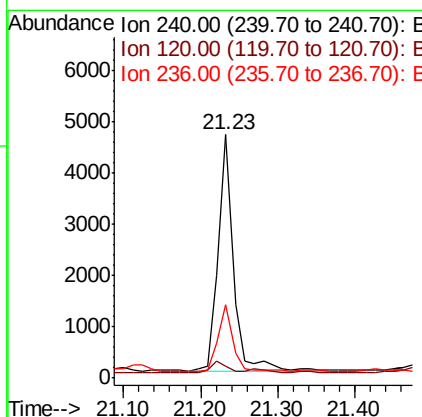
Manual Integrations
 APPROVED

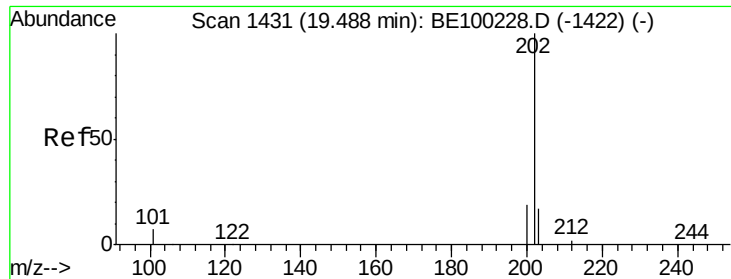
mohammad
 7/8/2019 2:14:31 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.9	3.3	4.9
236	30.2	22.6	34.0





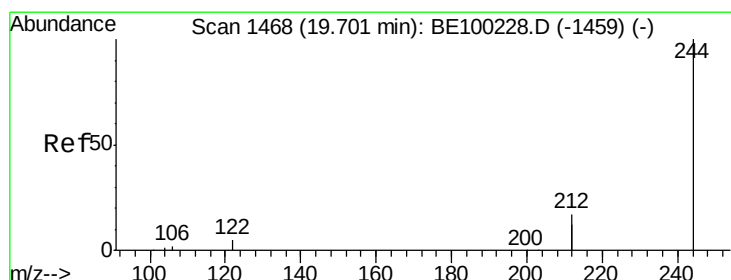
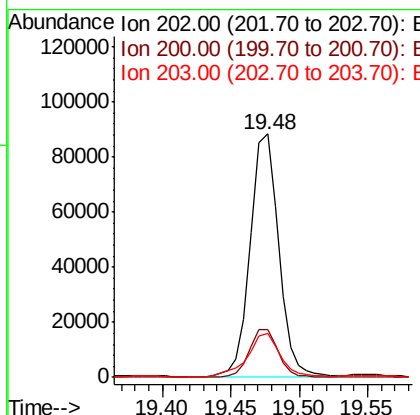
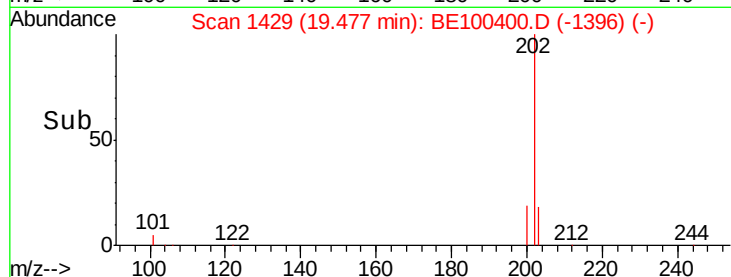
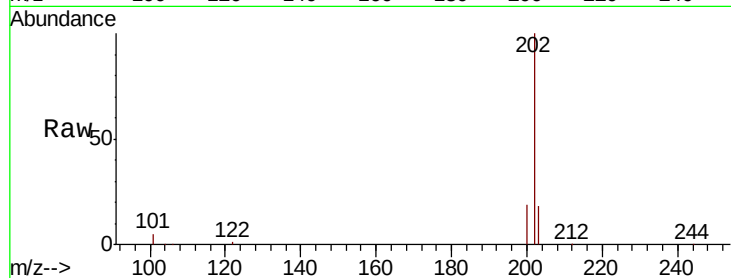
#28
Pvrene
Concen: 7.526 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.6	23.4
203	20.5	14.0	21.0

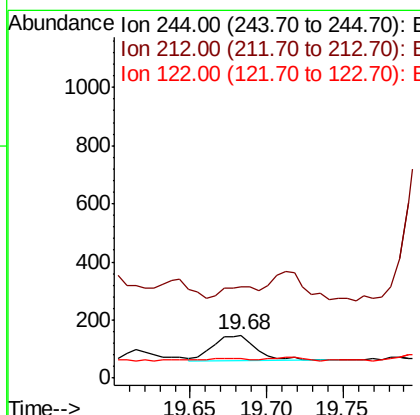
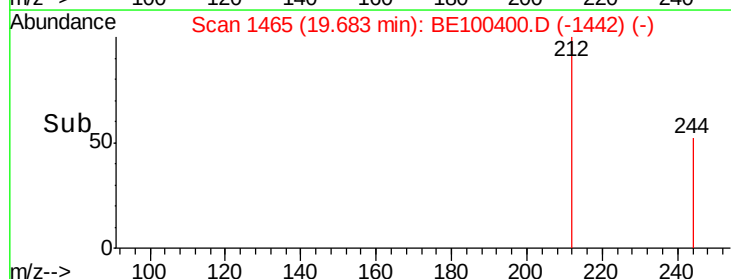
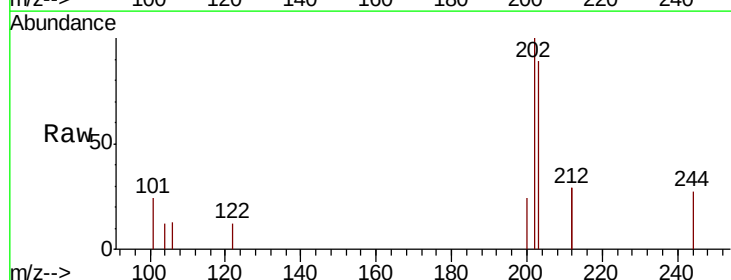
Manual Integrations
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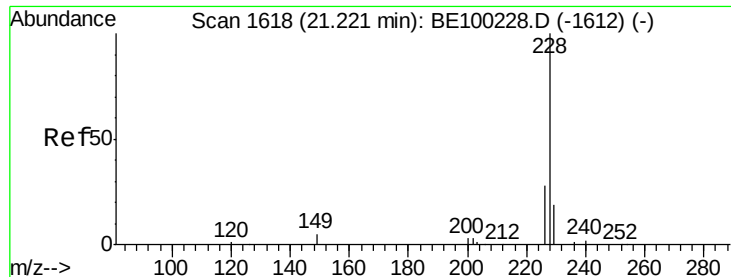
mohammad
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#29
Terphenyl-d14
Concen: 0.013 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	213.6	27.3	40.9#
122	45.6	4.7	7.1#





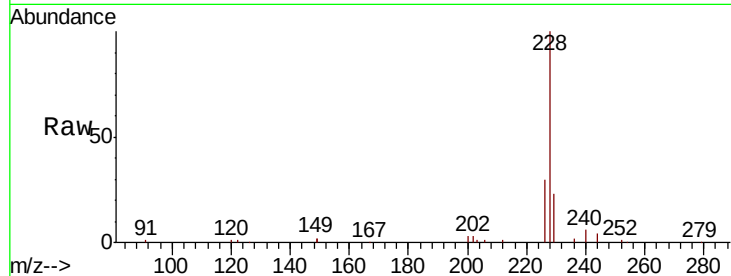
#30
Benzo(a)anthracene
Concen: 2.675 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	23.4	15.7	23.5

Manual Integrations
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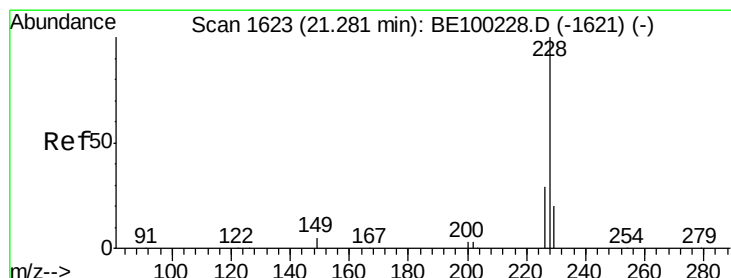
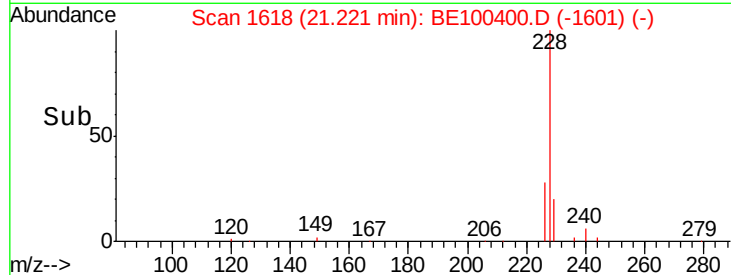
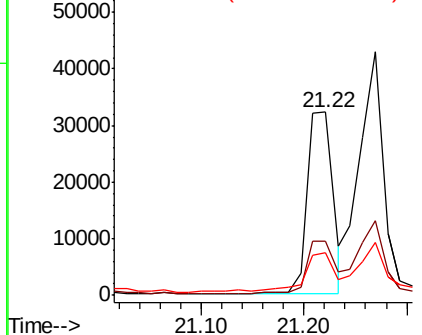


Abundance

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: 3.254 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

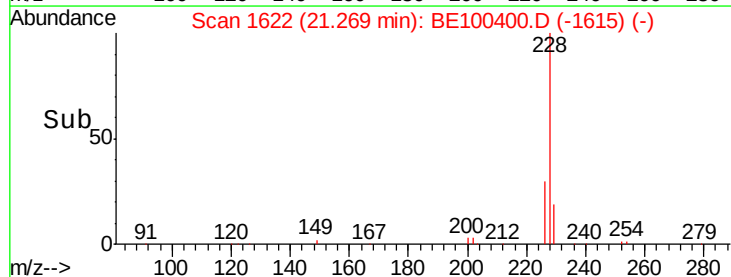
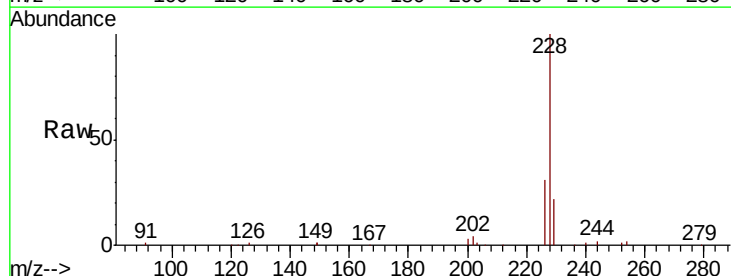
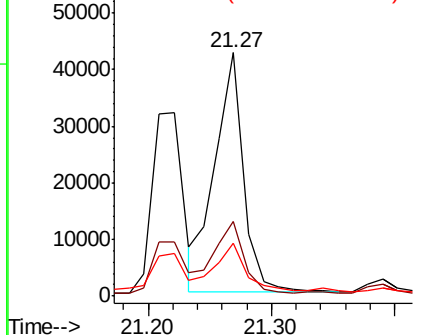
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	21.7	16.5	24.7

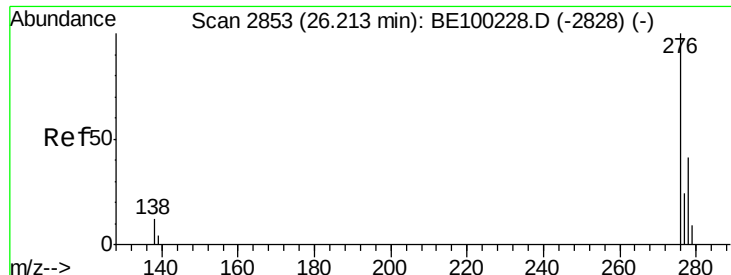
Abundance

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





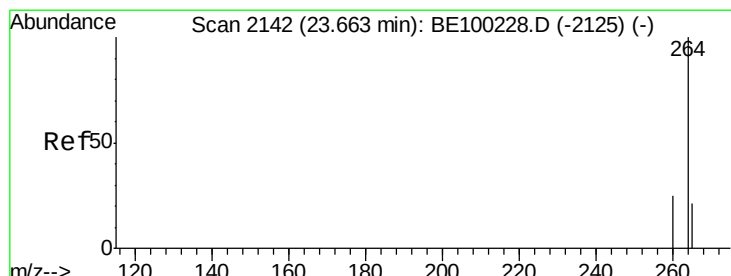
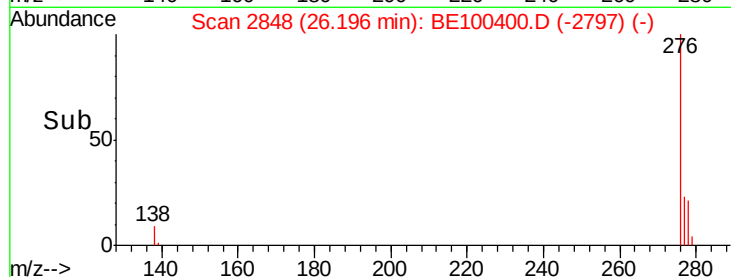
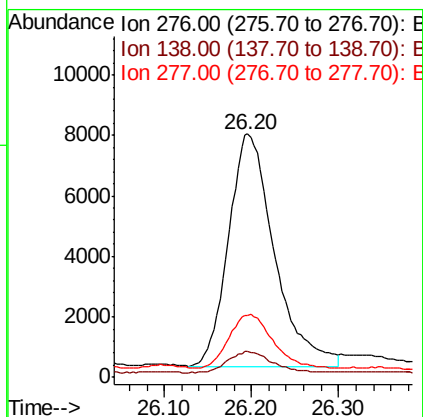
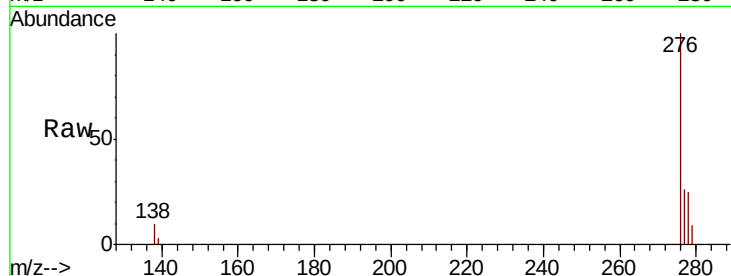
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.015 ng
 RT: 26.20 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.9	9.4	14.0#
277	22.2	19.2	28.8

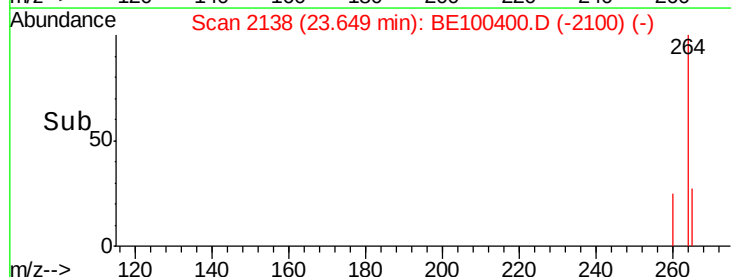
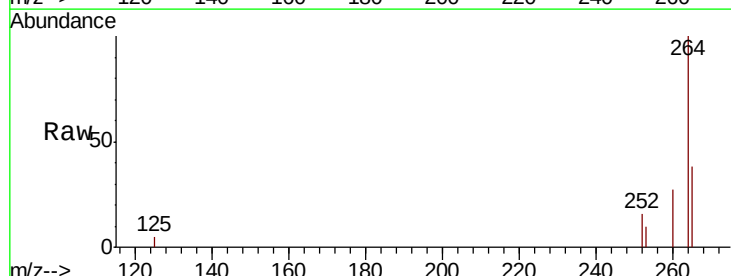
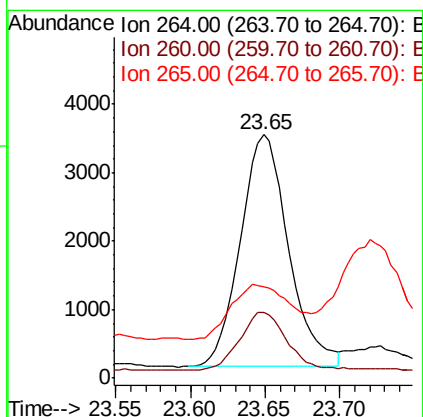
Manual Integrations
 APPROVED

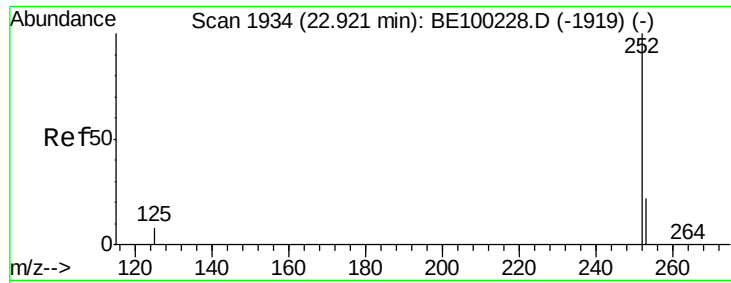
mohammad
 7/8/2019 2:14:31 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BE100400.D
 Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.8	31.2
265	37.7	21.8	32.6#





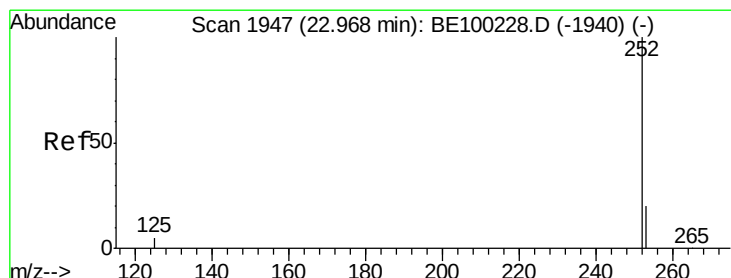
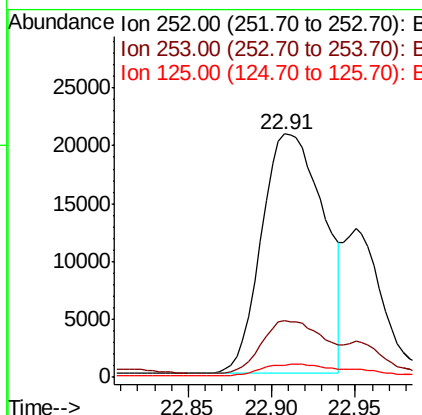
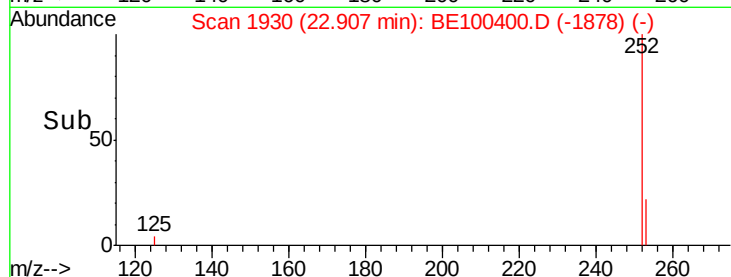
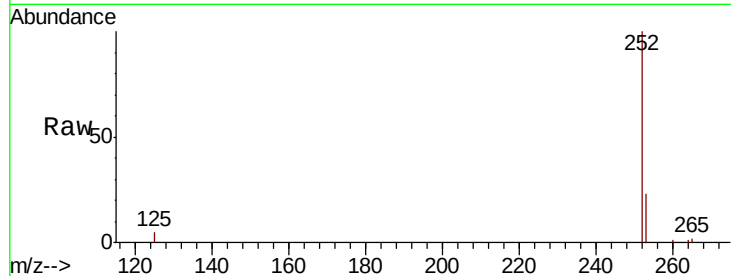
#35
Benzo(b)fluoranthene
Concen: 2.598 ng
RT: 22.91 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	5.1	7.4	11.0

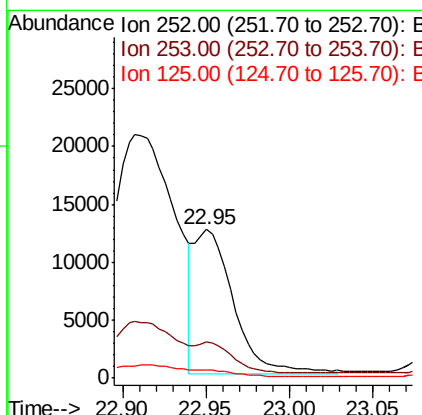
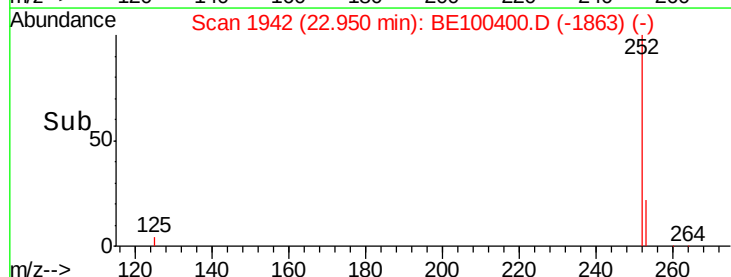
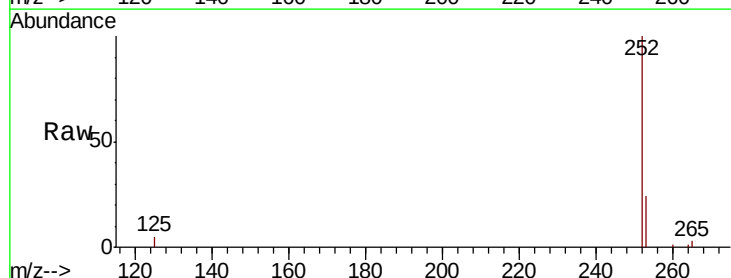
Manual Integrations
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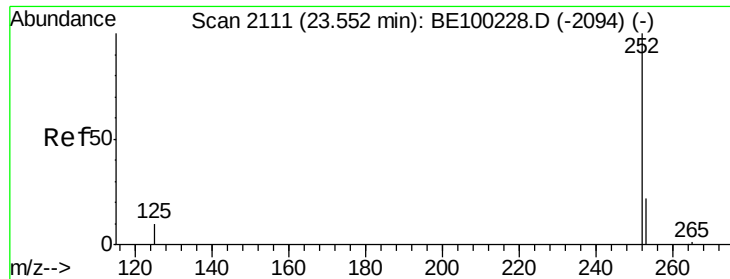
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.894 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	5.5	5.0	7.4





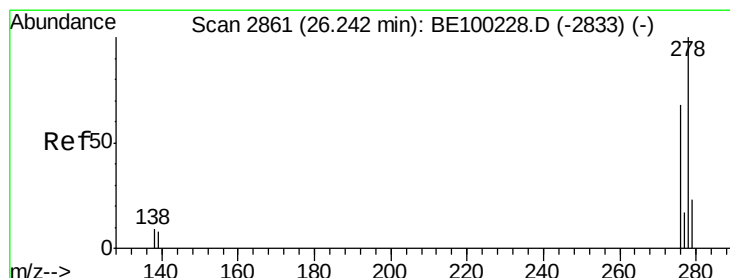
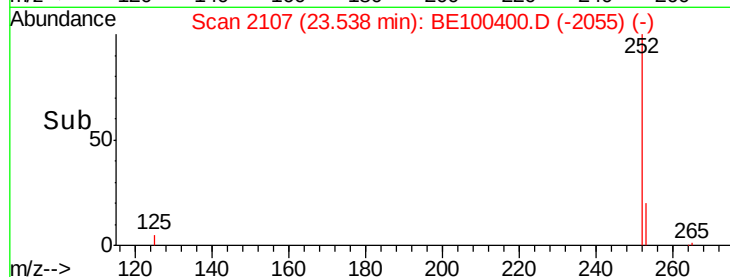
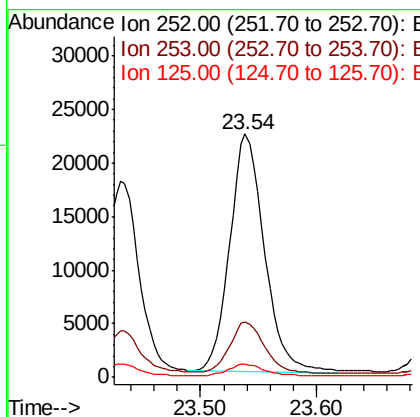
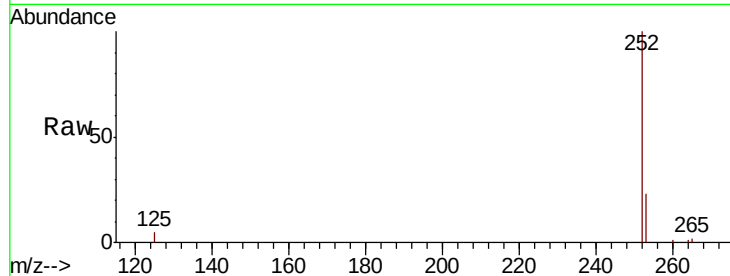
#37
Benzo(a)pyrene
Concen: 2.247 ng
RT: 23.54 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.6	29.4
125	5.3	9.0	13.6

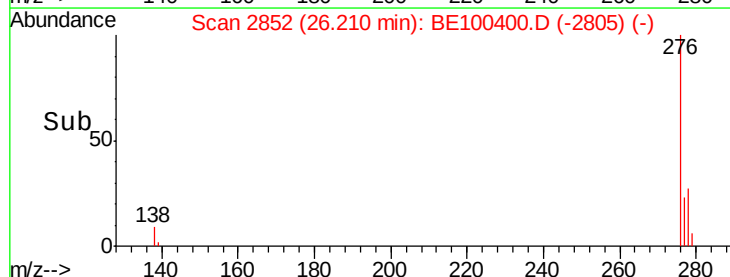
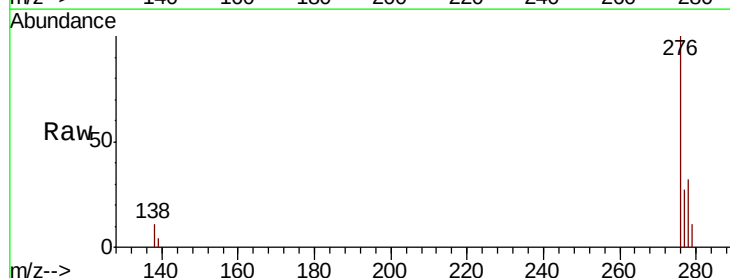
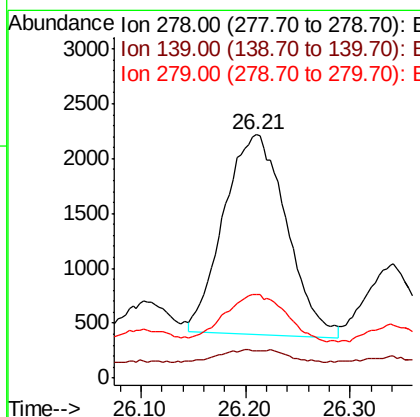
Manual Integrations
APPROVED

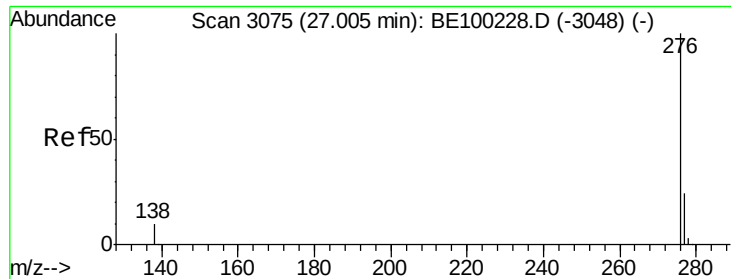
mohammad
7/8/2019 2:14:31 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.352 ng
RT: 26.21 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BE100400.D
Acq: 6 Jul 2019 3:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.2	12.2
279	34.4	20.3	30.5





#39

Benzo(a,h,i)perylene

Concen: 1.532 ng

RT: 26.98 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BE100400.D

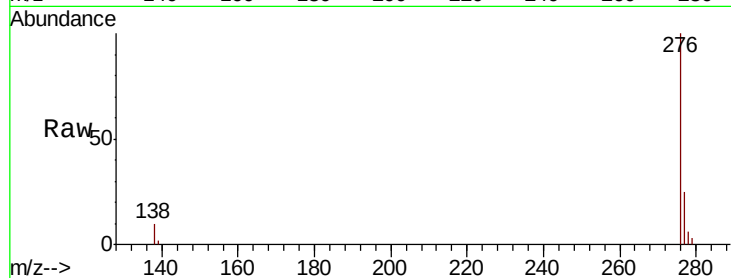
Acq: 6 Jul 2019 3:04

Instrument :

BNA_E

ClientSampleId :

EXT-015-SW085-062519DL



Tot Ion:	276	Resp:	33873
Ion Ratio	Lower	Upper	
276	100		
277	25.3	20.2	30.2
138	10.4	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/8/2019 2:14:31 PM

