

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100401.D
 Acq On : 6 Jul 2019 3:40
 Operator : JU/SJ
 Sample : K3558-02DL 25X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW086-062519DL

Manual Integrations
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mohammad
 7/8/2019 2:14:33 PM

Quant Time: Jul 06 05:49:45 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	578	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2181	0.40	ng	-0.01
13) Acenaphthene-d10	14.30	164	1731	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5121	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	7101	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8434	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	5	0.00	ng	0.02
5) Phenol-d6	6.84	99	10	0.01	ng	0.00
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	12.05	152	40	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	14	0.01	ng	-0.03
15) 2-Fluorobiphenyl	12.93	172	53	0.01	ng	-0.01
25) Fluoranthene-d10	19.08	212	572	0.01	ng	-0.02
29) Terphenyl-d14	19.68	244	192	0.01	ng	-0.02
Target Compounds						
9) Naphthalene	10.47	128	2008	0.083	ng	# 88
12) 2-Methylnaphthalene	12.12	142	322	0.076	ng	# 88
16) Acenaphthylene	14.02	152	4450	0.536	ng	99
17) Acenaphthene	14.37	154	402	0.085	ng	# 78
18) Fluorene	15.34	166	1473	0.212	ng	# 81
23) Phenanthrene	17.08	178	42326	3.410	ng	99
24) Anthracene	17.17	178	3253	0.291	ng	# 95
26) Fluoranthene	19.12	202	73160	3.701	ng	98
28) Pyrene	19.48	202	118979	6.329	ng	97
30) Benzo(a)anthracene	21.22	228	54706m	2.343	ng	
31) Chrysene	21.27	228	72968	3.112	ng	97
33) Indeno(1,2,3-cd)pyrene	26.19	276	28728	0.926	ng	# 95
35) Benzo(b)fluoranthene	22.91	252	58482	2.558	ng	# 96
36) Benzo(k)fluoranthene	22.95	252	16392m	0.642	ng	
37) Benzo(a)pyrene	23.54	252	45810m	1.999	ng	
38) Dibenzo(a,h)anthracene	26.21	278	7828	0.327	ng	# 82
39) Benzo(a,h,i)perylene	26.99	276	34571	1.406	ng	99

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

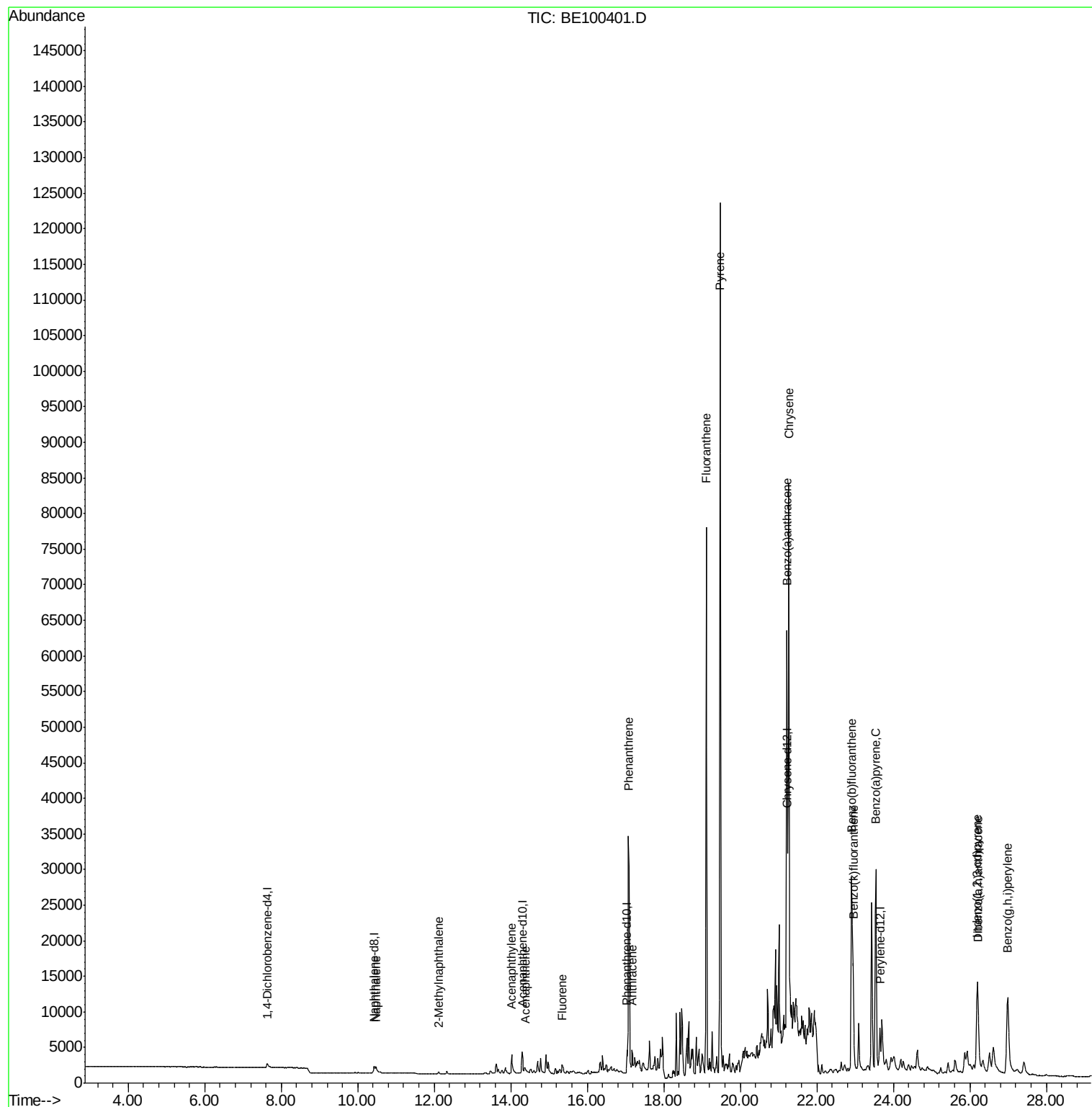
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100401.D
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ALS Vial : 26 Sample Multiplier: 1

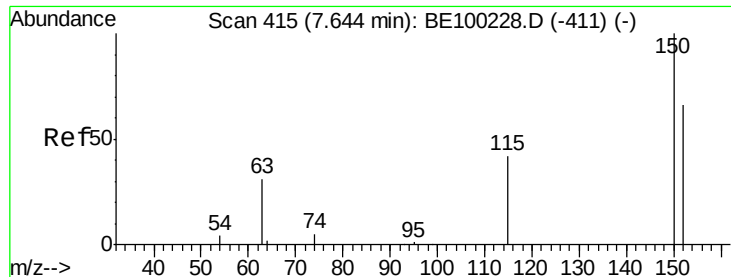
Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

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Quant Time: Jul 06 05:49:45 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
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#1

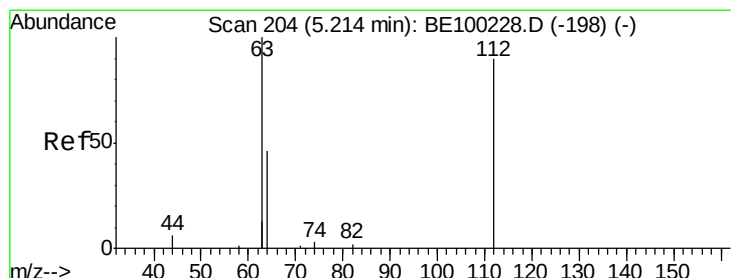
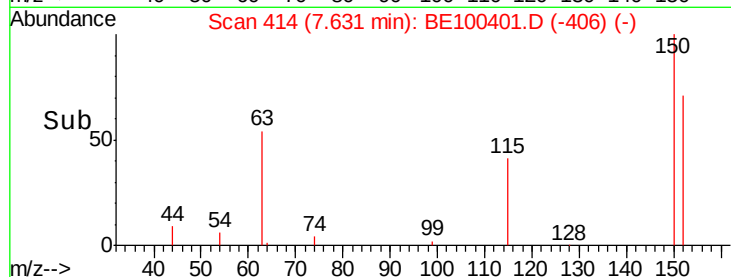
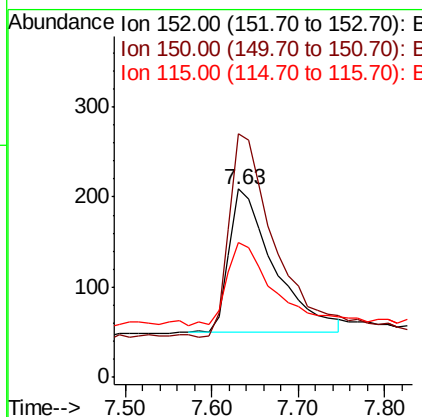
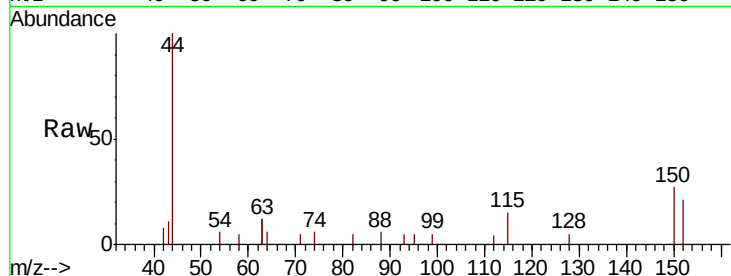
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	129.2	114.5	171.7
115	71.8	57.1	85.7

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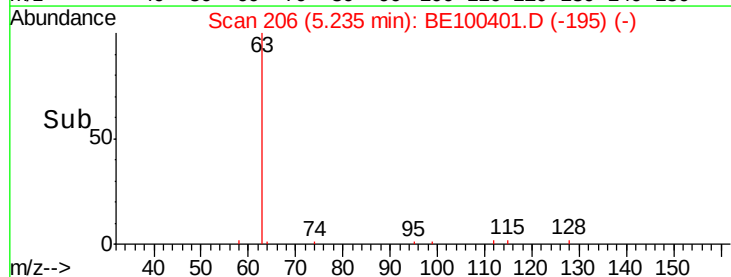
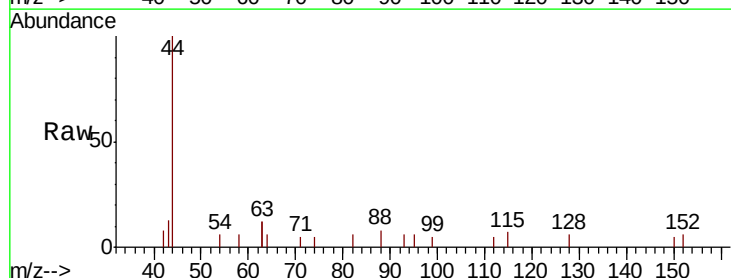
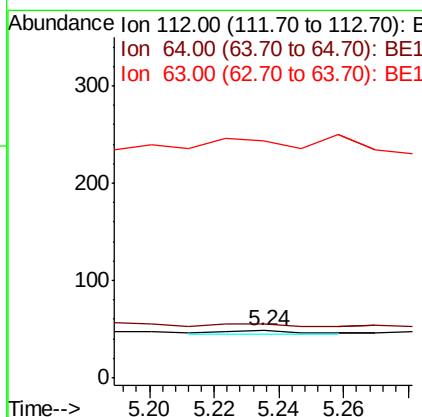
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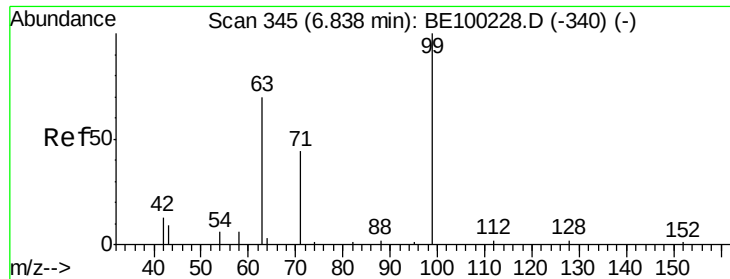


#4

2-Fluorophenol
Concen: 0.003 ng
RT: 5.24 min Scan# 206
Delta R.T. 0.02 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	160.0	39.4	59.0#
63	0.0	104.5	156.7#





#5

Phenol-d6

Concen: 0.005 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100401.D

Acq: 6 Jul 2019 3:40

Instrument :

BNA_E

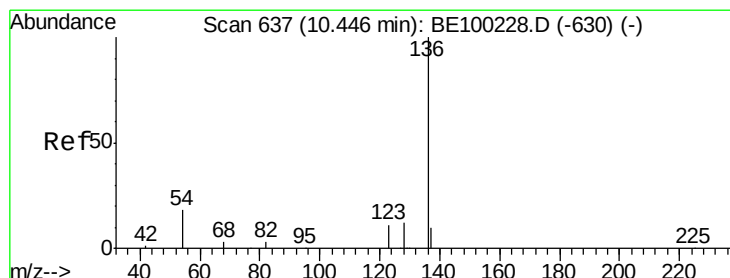
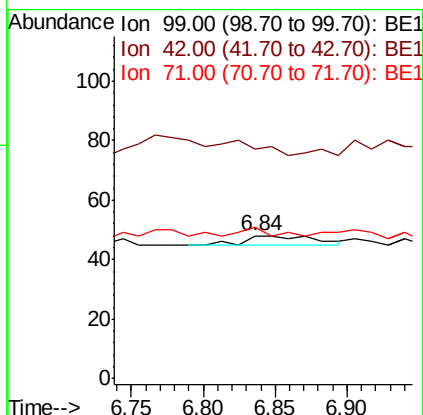
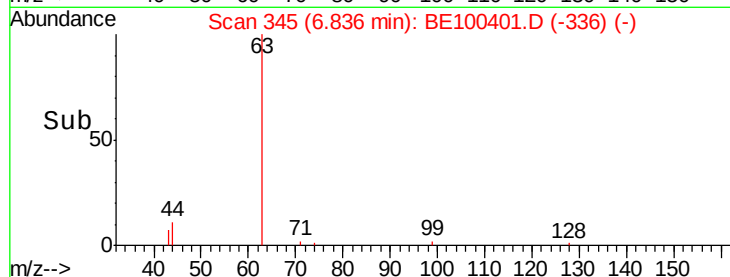
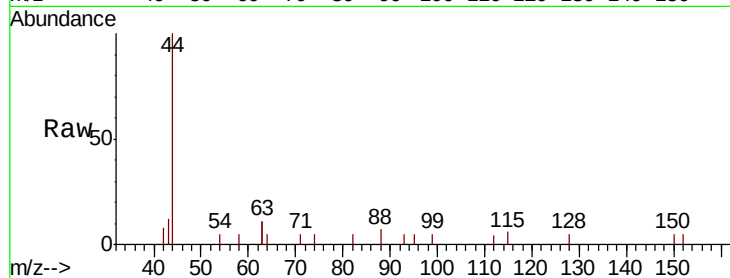
ClientSampleId :

EXT-015-SW086-062519DL

Tot Ion:	99	Resp:	10
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	30.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

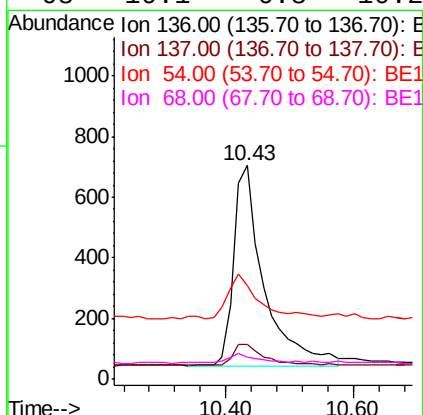
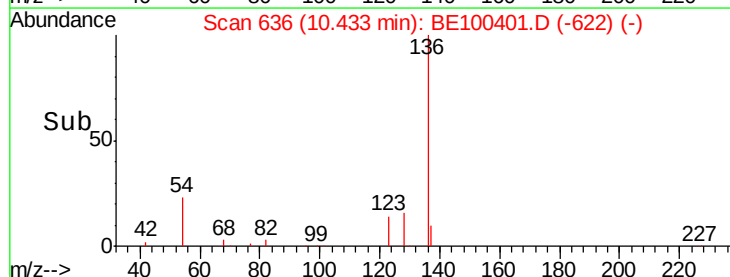
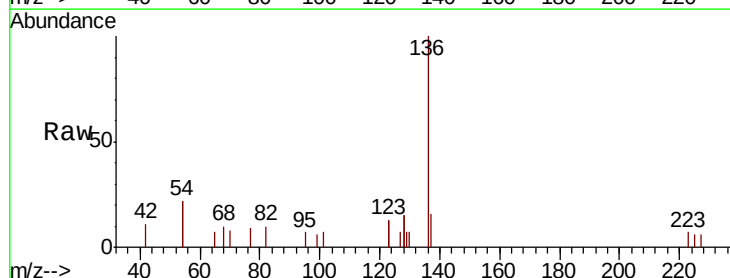
RT: 10.43 min Scan# 636

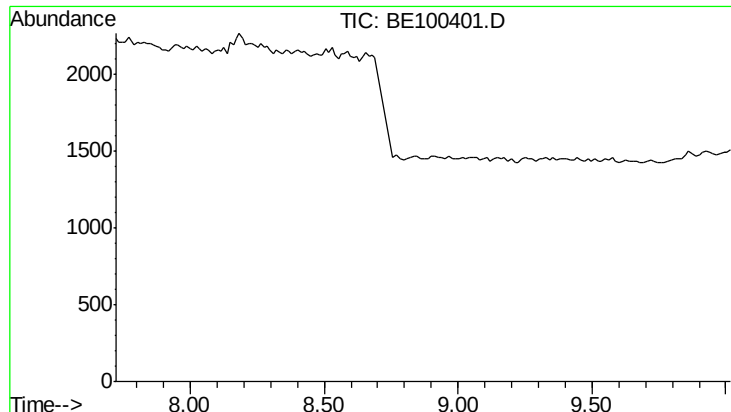
Delta R.T. -0.01 min

Lab File: BE100401.D

Acq: 6 Jul 2019 3:40

Tgt Ion:	136	Resp:	2181
Ion	Ratio	Lower	Upper
136	100		
137	16.0	11.8	17.8
54	43.7	27.7	41.5#
68	10.1	6.8	10.2





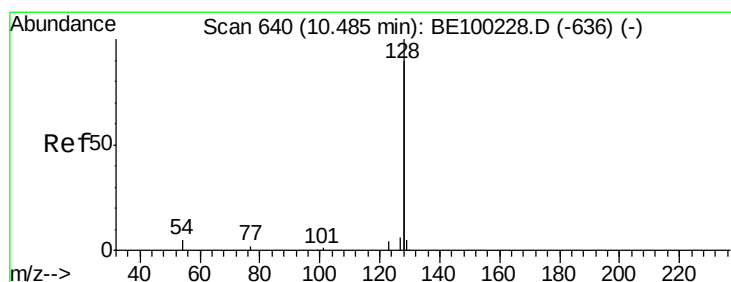
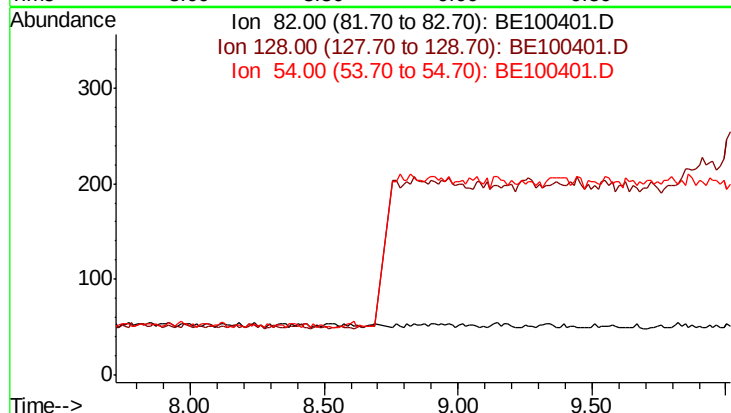
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.82 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW086-062519DL

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

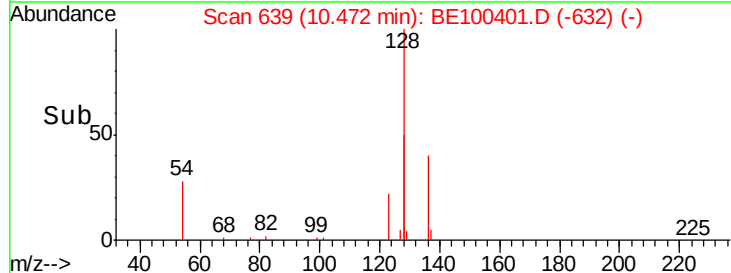
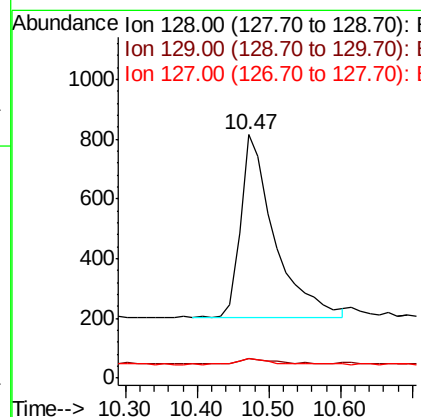
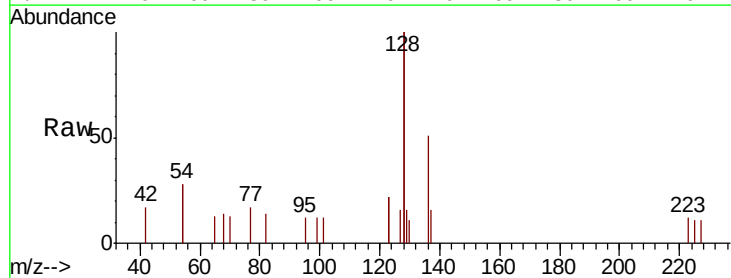
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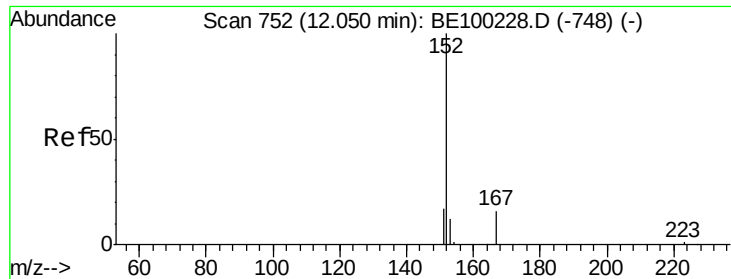
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#9
 Naphthalene
 Concen: 0.083 ng
 RT: 10.47 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Tgt Ion	128	Resp	2008
Ion	Ratio	Lower	Upper
128	100		
129	8.2	3.0	4.6#
127	8.1	3.5	5.3#





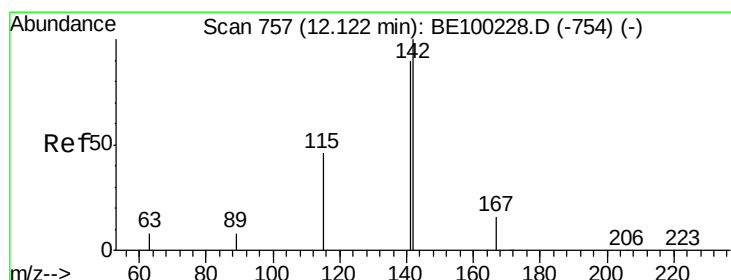
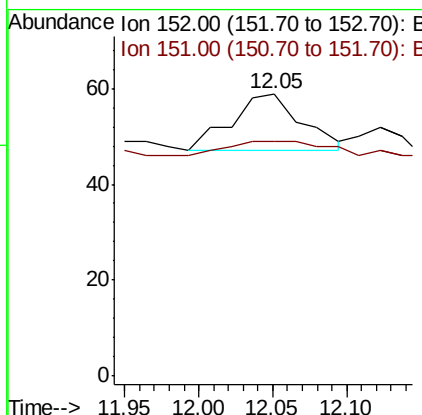
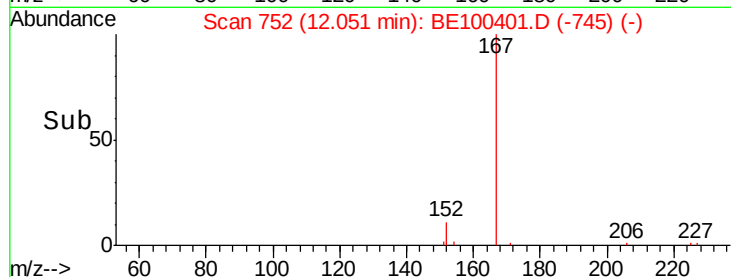
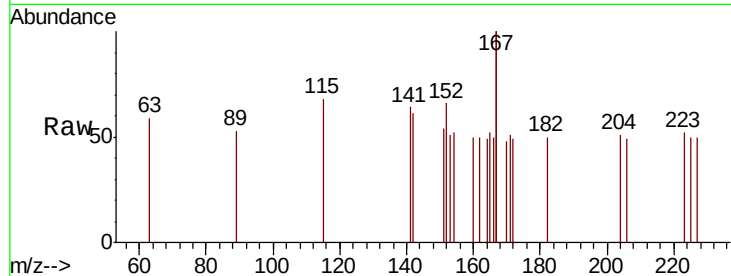
#11
2-Methylnaphthalene-d10
Concen: 0.010 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion:152 Resp: 40
Ion Ratio Lower Upper
152 100
151 35.0 15.1 22.7#

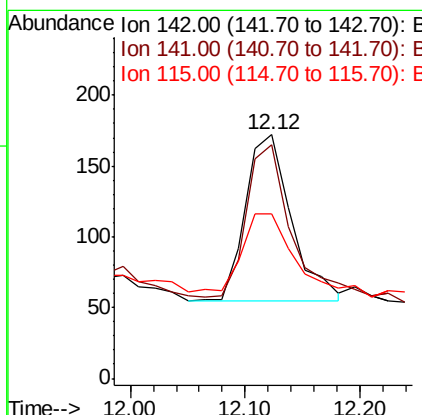
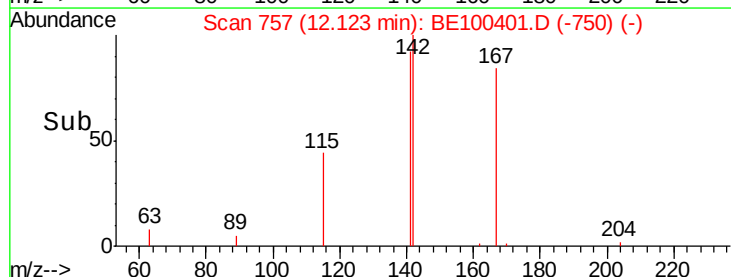
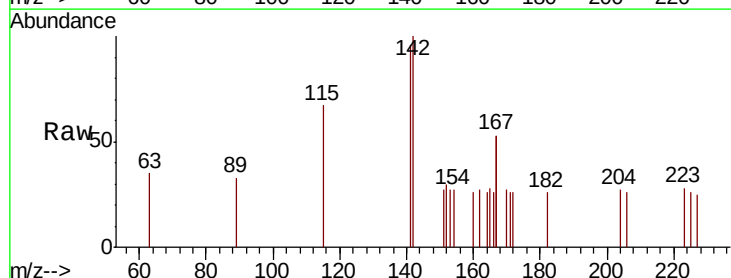
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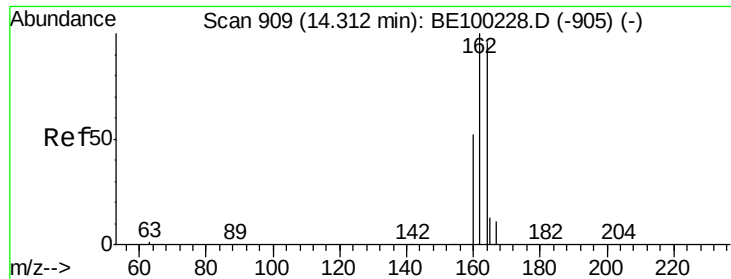
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#12
2-Methylnaphthalene
Concen: 0.076 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion:142 Resp: 322
Ion Ratio Lower Upper
142 100
141 95.9 72.4 108.6
115 67.4 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: BE100401.D

Acq: 6 Jul 2019 3:40

Instrument :

BNA_E

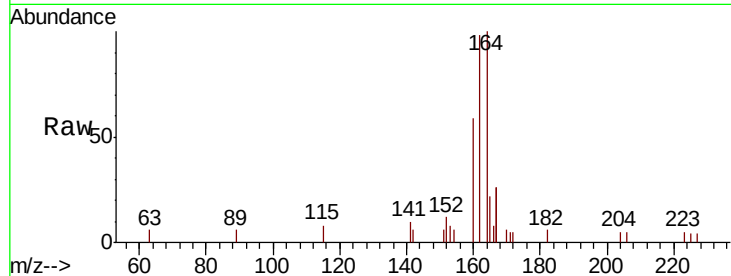
ClientSampleId :

EXT-015-SW086-062519DL

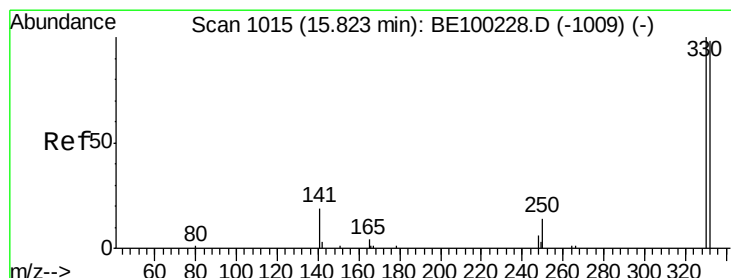
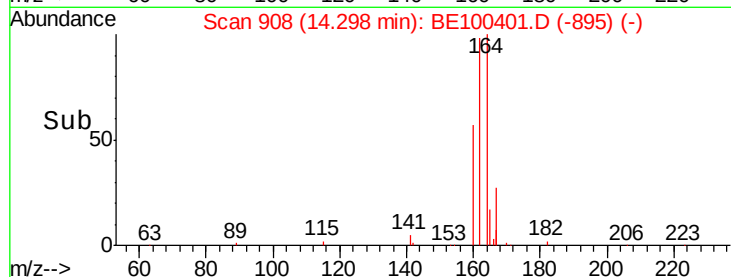
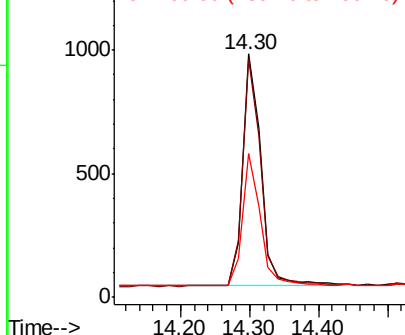
Tot Ion:	164	Resp:	1731
Ion Ratio	Lower	Upper	
164	100		
162	98.1	83.4	125.0
160	58.9	45.0	67.6

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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: 0.012 ng

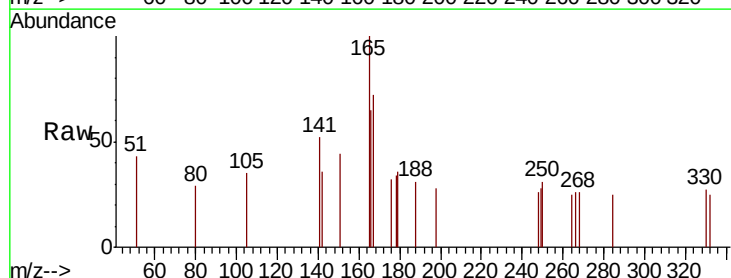
RT: 15.79 min Scan# 1013

Delta R.T. -0.03 min

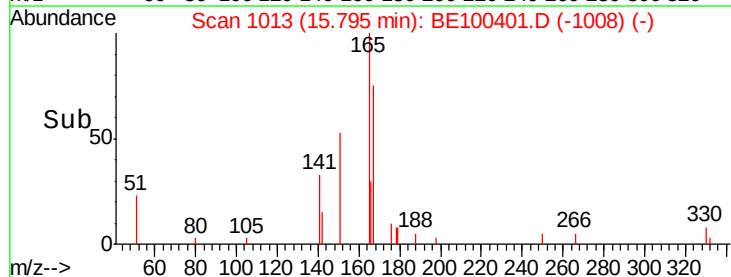
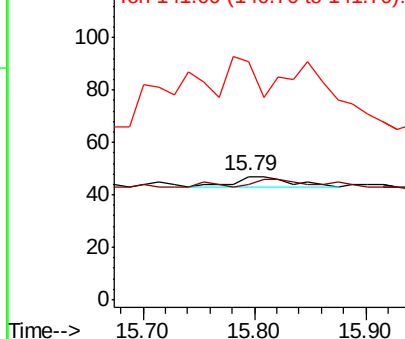
Lab File: BE100401.D

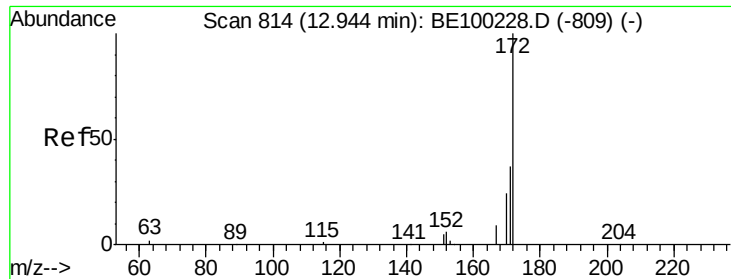
Acq: 6 Jul 2019 3:40

Tgt Ion:	330	Resp:	14
Ion Ratio	Lower	Upper	
330	100		
332	64.3	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





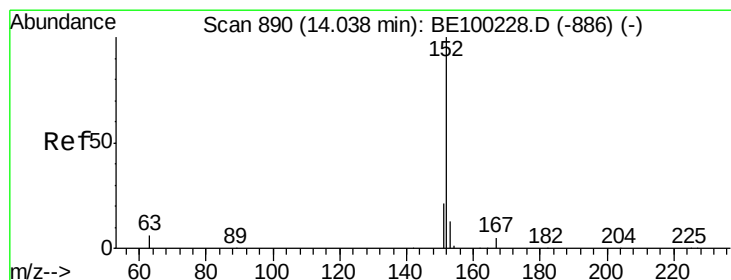
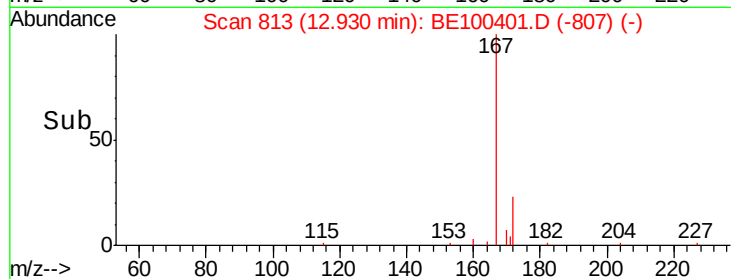
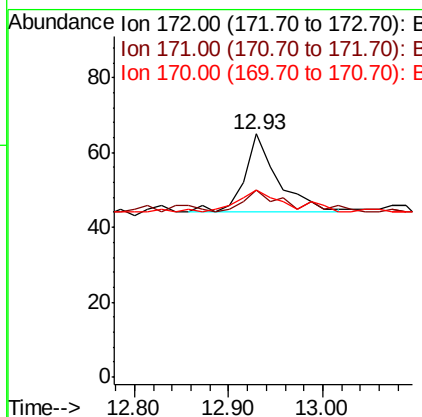
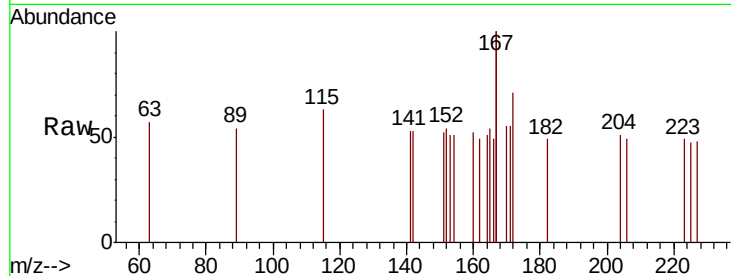
#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	76.9	31.9	47.9#
170	76.9	22.2	33.2#

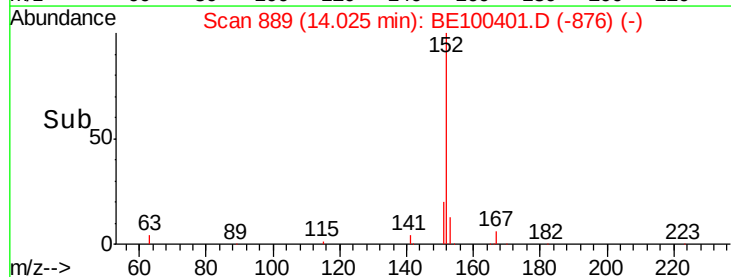
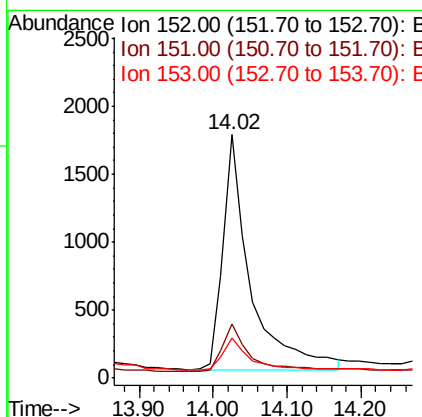
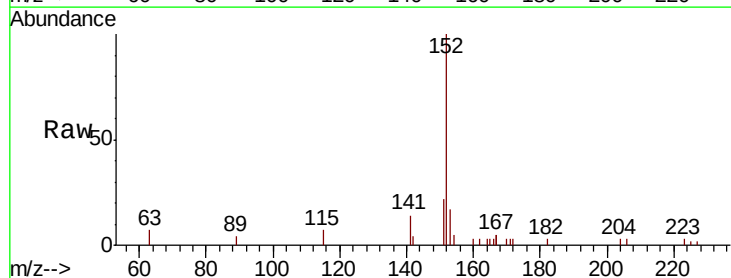
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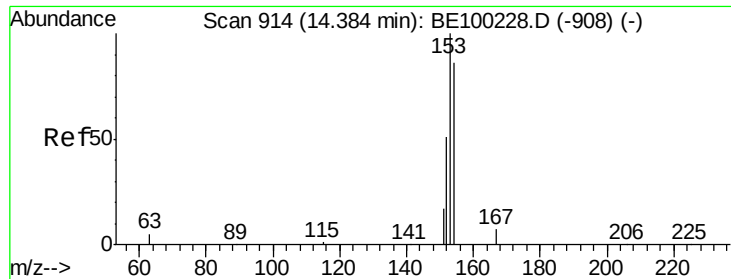
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#16
Acenaphthylene
Concen: 0.536 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	12.9	10.5	15.7





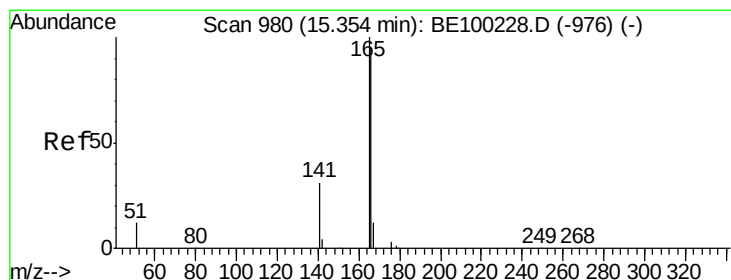
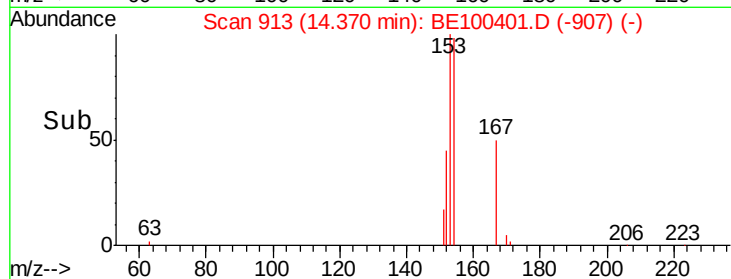
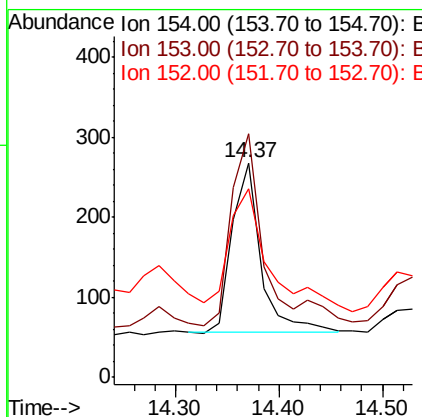
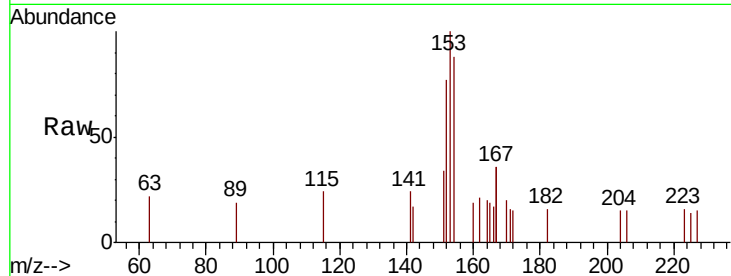
#17
Acenaphthene
Concen: 0.085 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	135.1	93.4	140.2
152	85.3	49.4	74.2

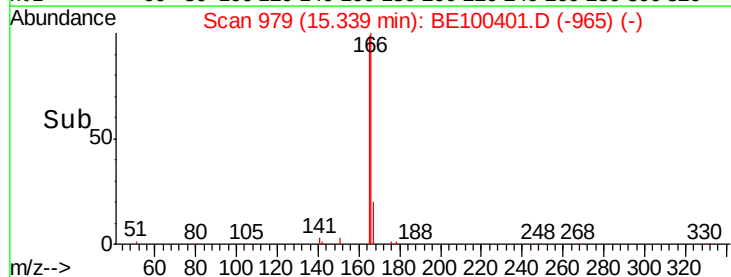
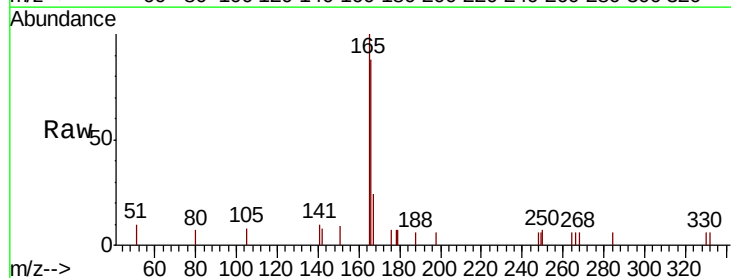
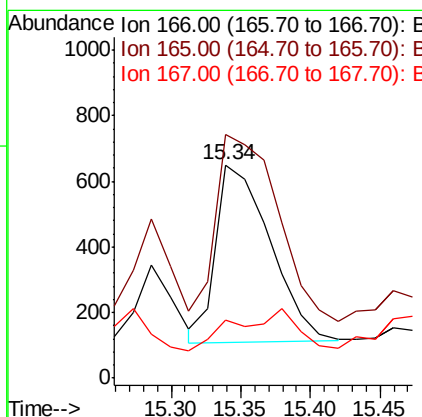
Manual Integrations
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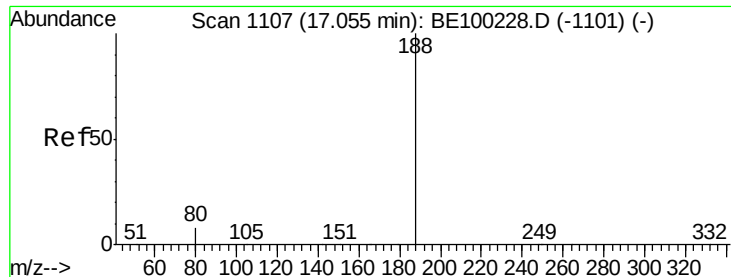
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#18
Fluorene
Concen: 0.212 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.02 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.2	81.1	121.7
167	0.0	10.7	16.1





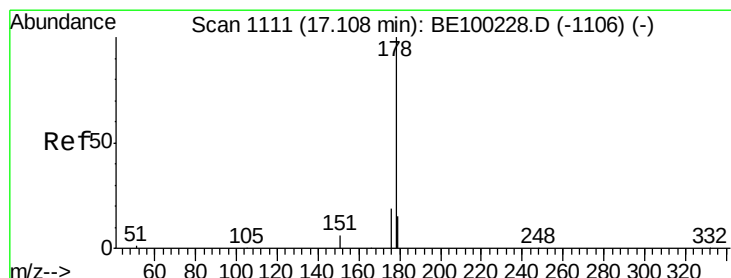
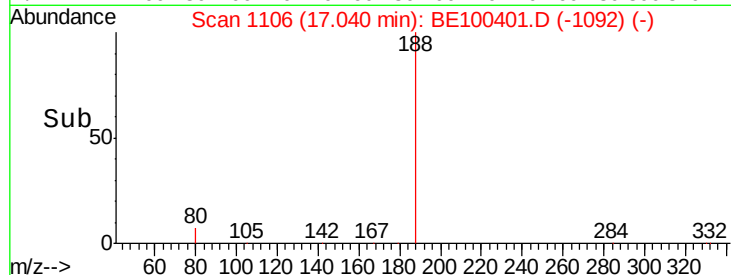
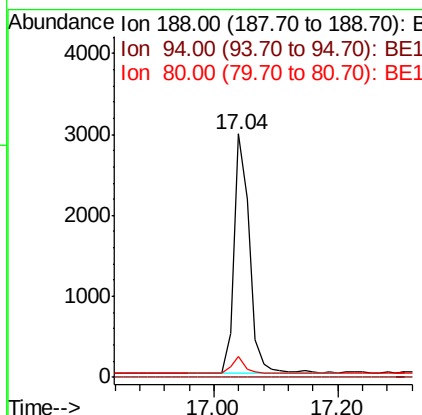
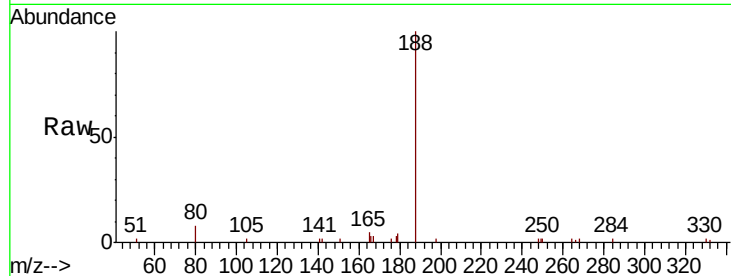
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.02 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion:188	Resp:	5121
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 8.5	7.6	11.4

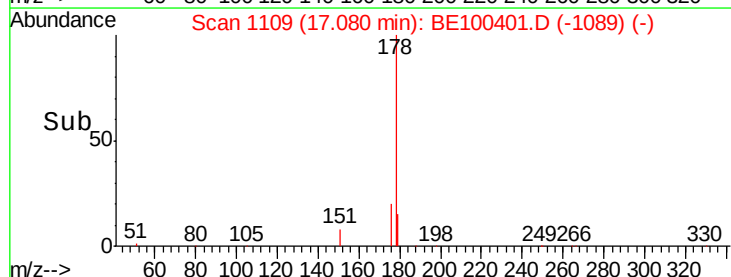
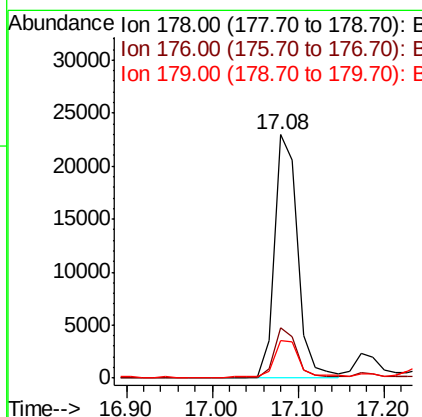
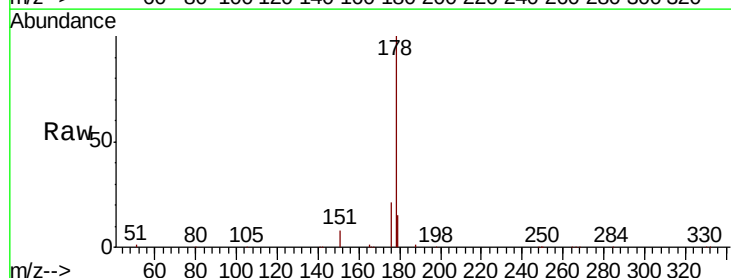
Manual Integrations
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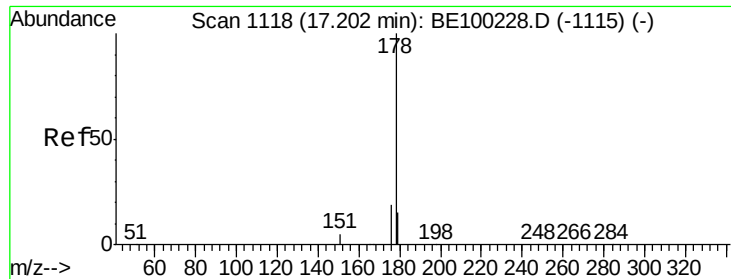
mohammad
7/8/2019 2:14:33 PM



#23
Phenanthrene
Concen: 3.410 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion:178	Resp:	42326
Ion Ratio	Lower	Upper
178 100		
176 19.9	15.9	23.9
179 15.7	12.2	18.2





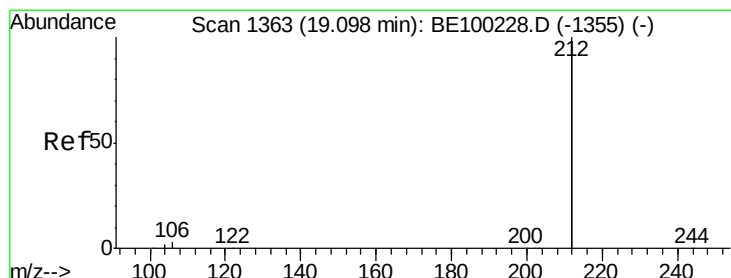
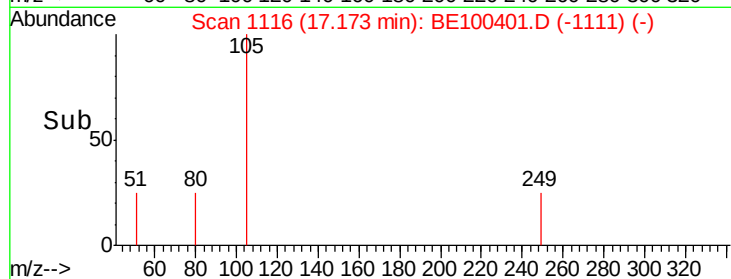
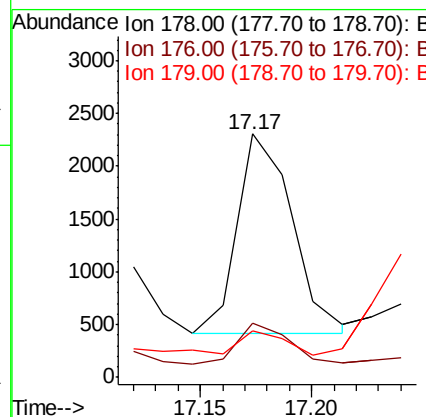
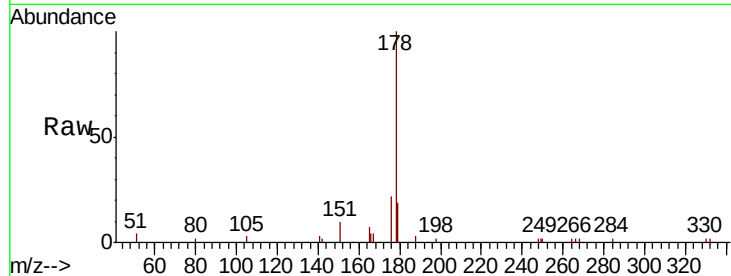
#24
 Anthracene
 Concen: 0.291 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	10.9	12.2	18.2

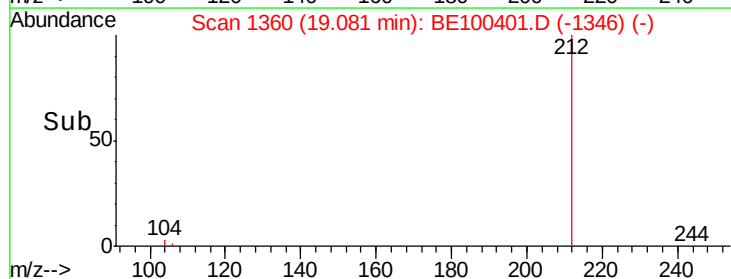
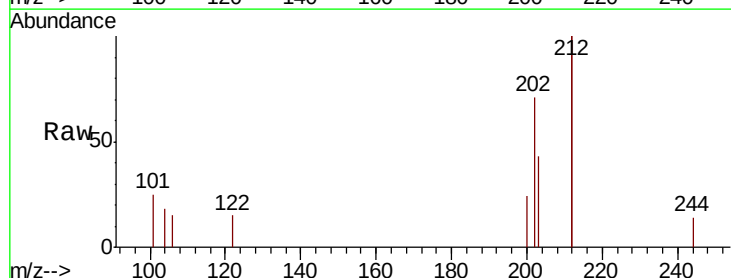
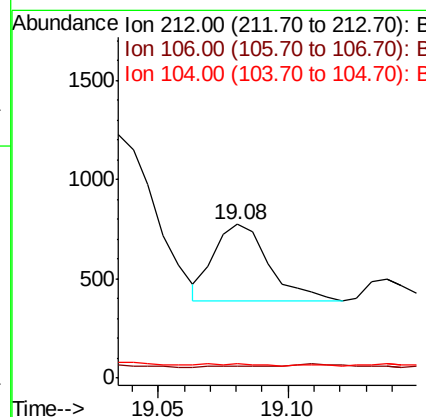
Manual Integrations
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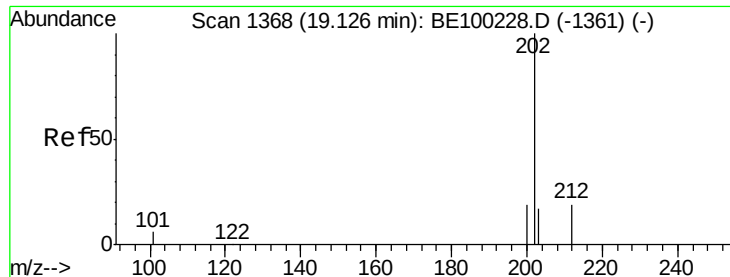
mohammad
 7/8/2019 2:14:33 PM



#25
 Fluoranthene-d10
 Concen: 0.008 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	0.0	1.3	1.9
104	1.9	0.8	1.2





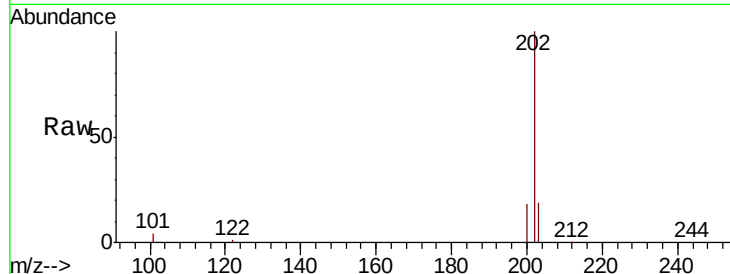
#26
Fluoranthene
Concen: 3.701 ng
RT: 19.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	18.1	13.7	20.5

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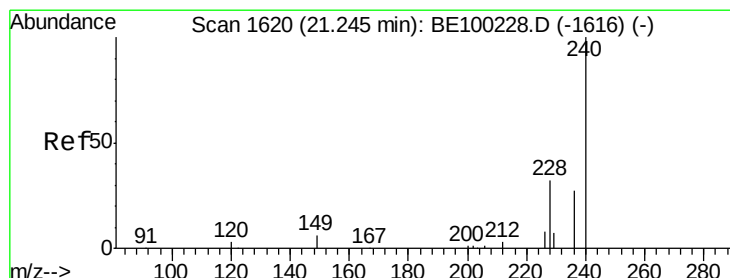
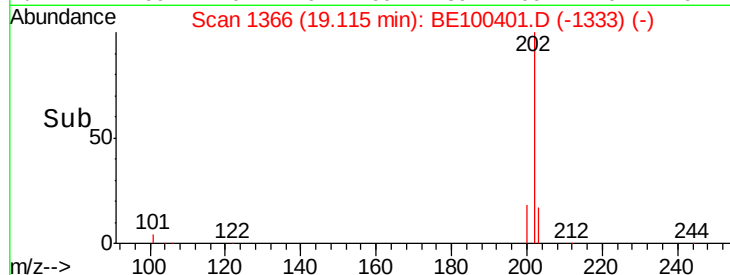
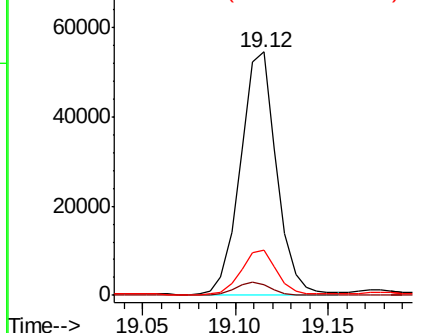


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

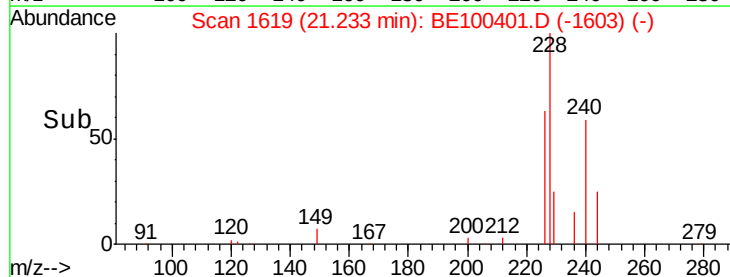
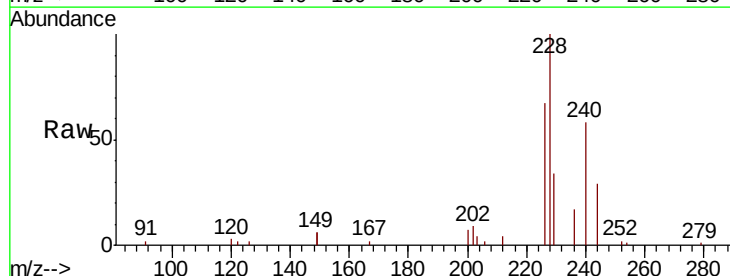
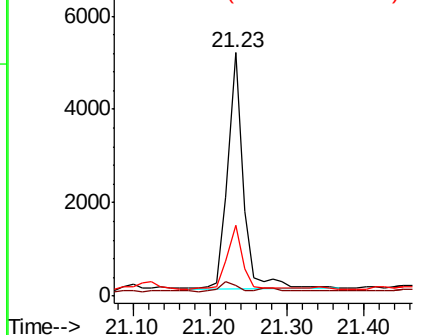
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.4	3.3	4.9
236	29.2	22.6	34.0

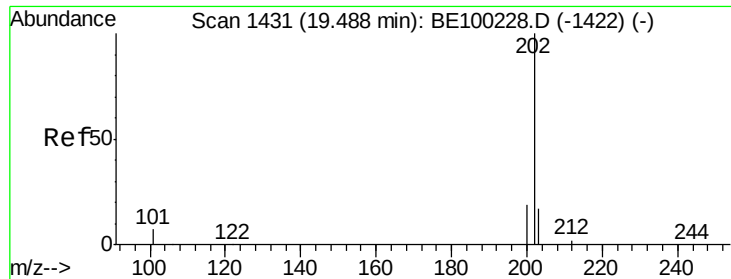
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





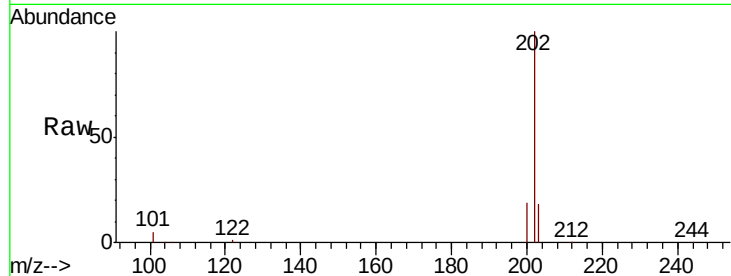
#28
Pvrene
Concen: 6.329 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.2	14.0	21.0

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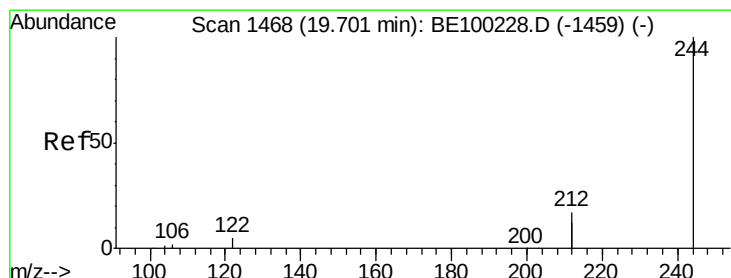
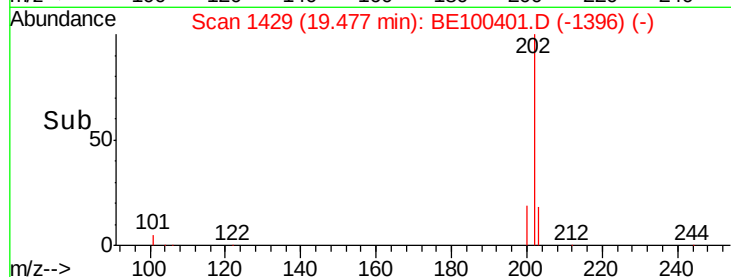
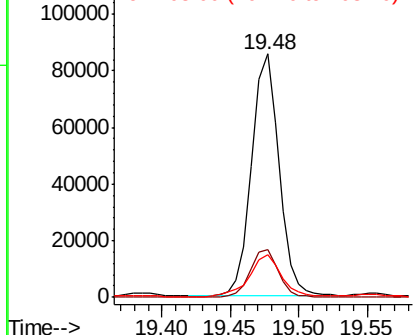


Abundance

Ion 202.00 (201.70 to 202.70): E

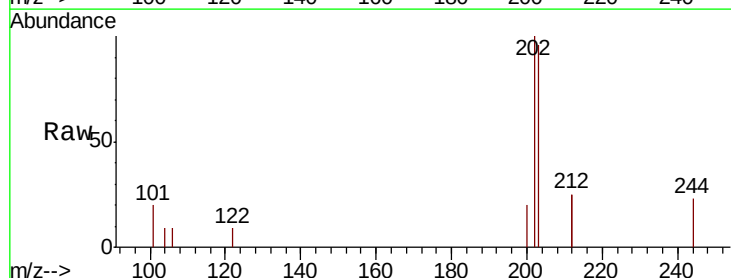
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.013 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	221.1	27.3	40.9#
122	40.4	4.7	7.1#

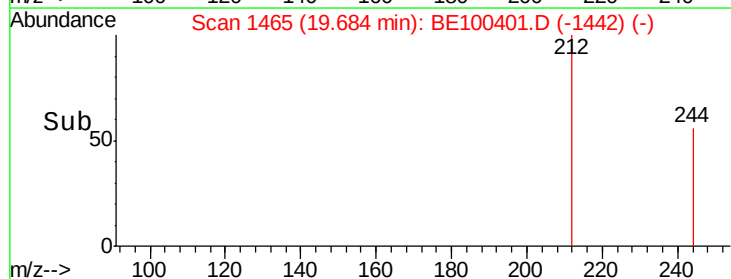
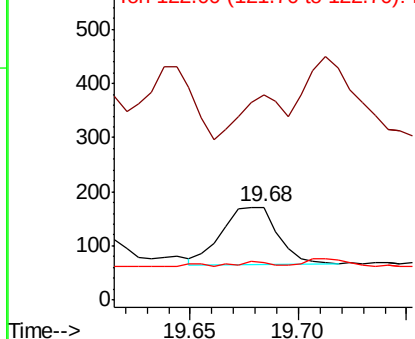


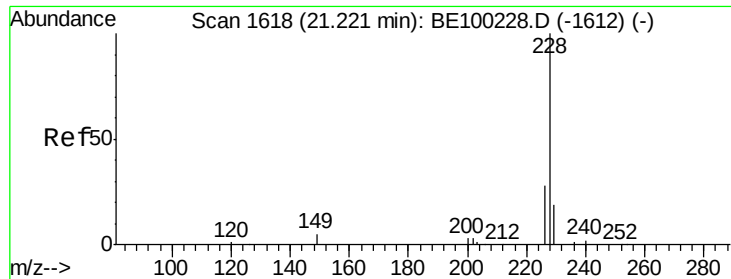
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





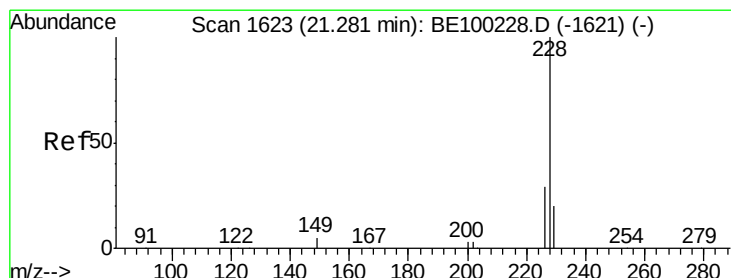
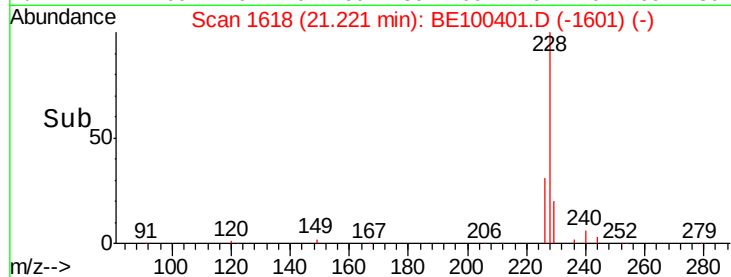
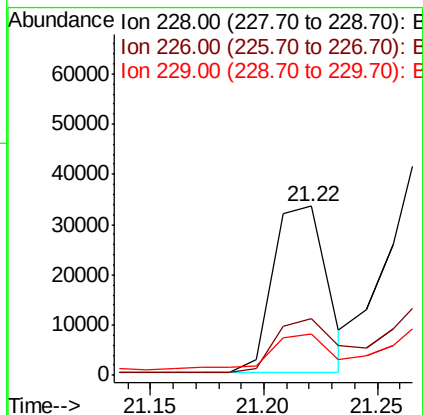
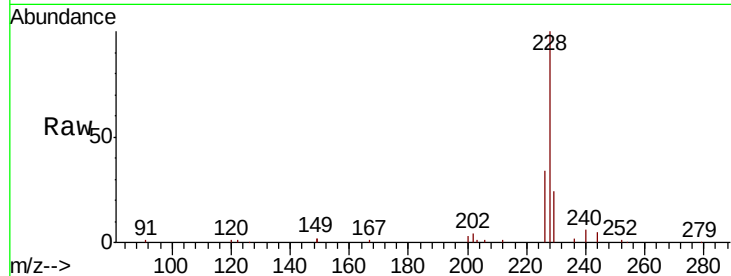
#30
Benzo(a)anthracene
Concen: 2.343 ng m
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.2	34.8
229	24.5	15.7	23.5

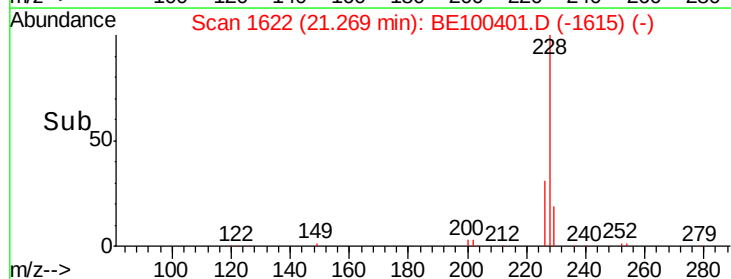
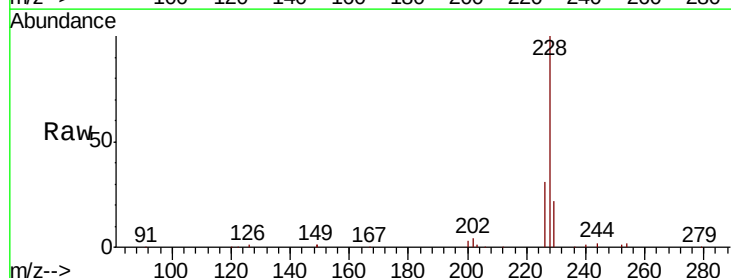
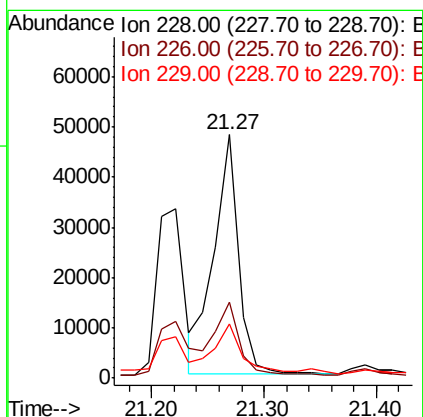
Manual Integrations
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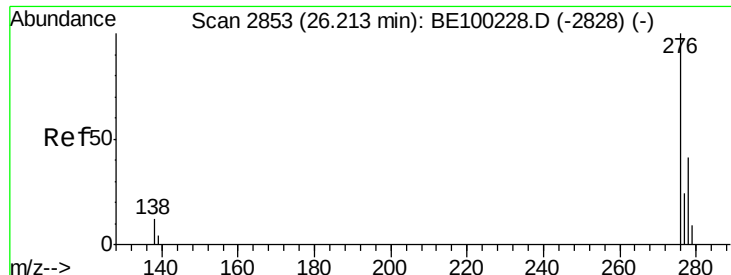
mohammad
7/8/2019 2:14:33 PM



#31
Chrysene
Concen: 3.112 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	22.3	16.5	24.7





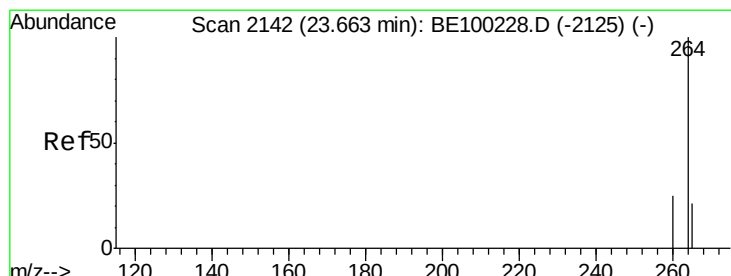
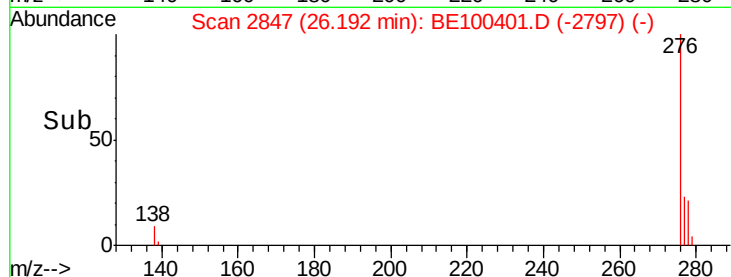
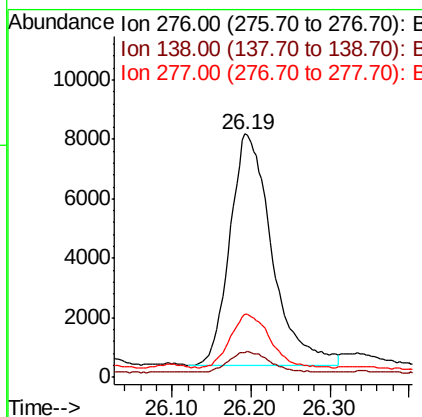
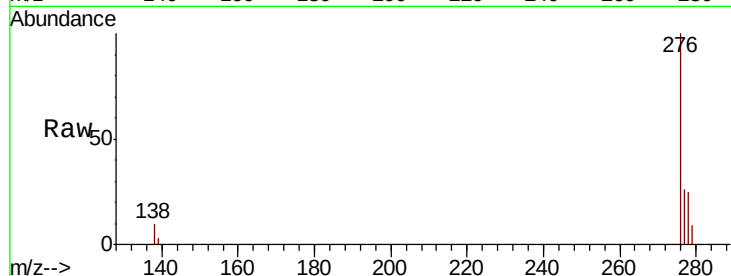
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.926 ng
 RT: 26.19 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.8	9.4	14.0#
277	22.3	19.2	28.8

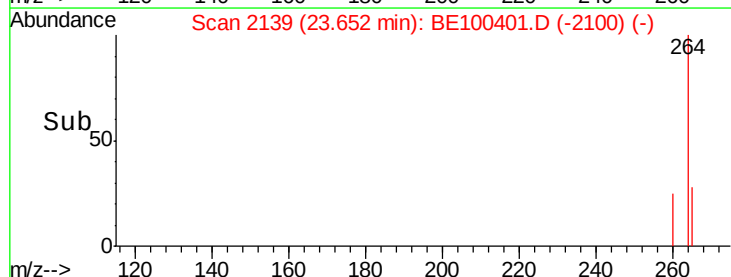
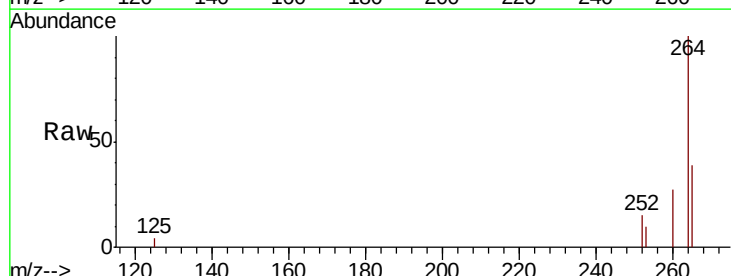
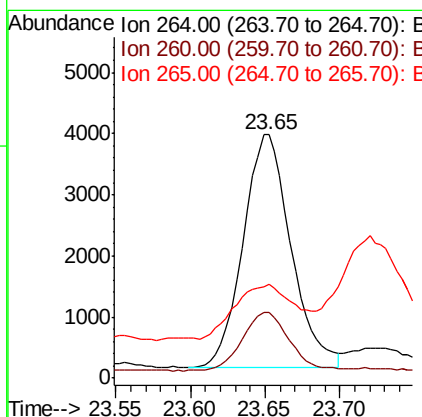
Manual Integrations
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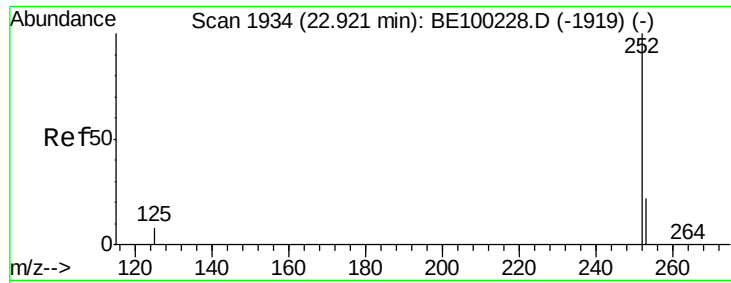
mohammad
 7/8/2019 2:14:33 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BE100401.D
 Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.8	31.2
265	38.6	21.8	32.6#





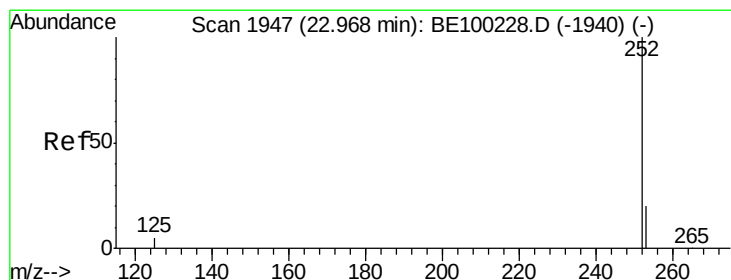
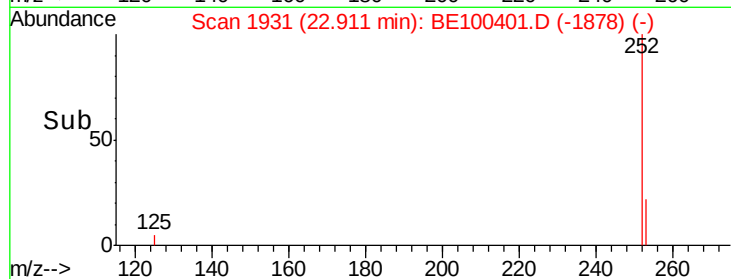
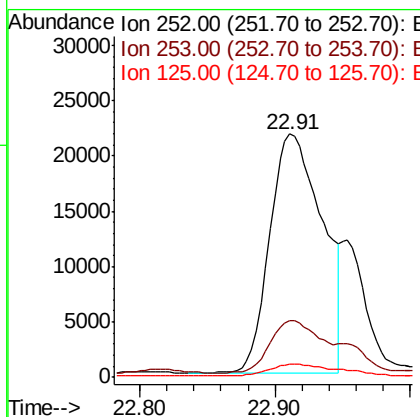
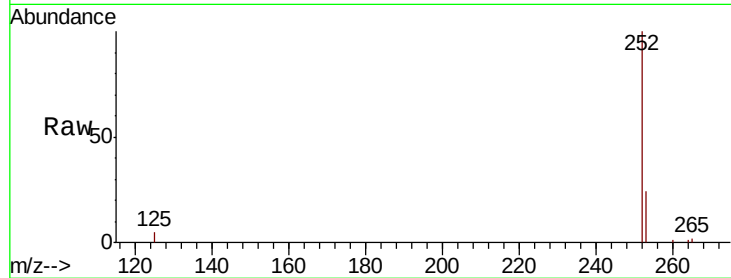
#35
Benzo(b)fluoranthene
Concen: 2.558 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.2	28.8
125	5.3	7.4	11.0

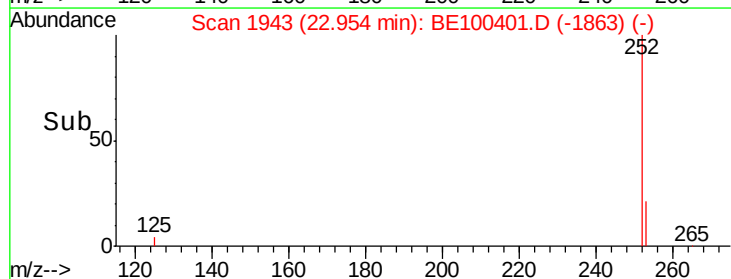
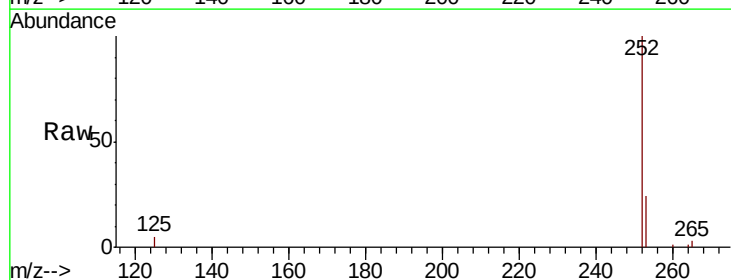
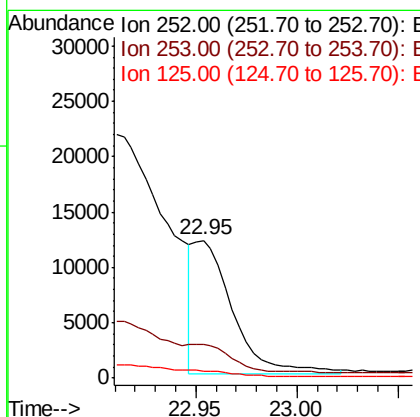
Manual Integrations
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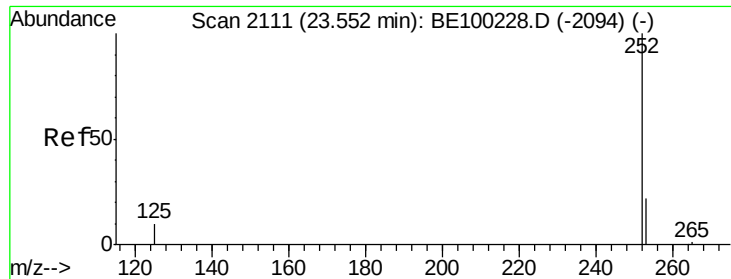
mohammad
7/8/2019 2:14:33 PM



#36
Benzo(k)fluoranthene
Concen: 0.642 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100401.D
Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	5.3	5.0	7.4





#37

Benzo(a)pyrene

Concen: 1.999 ng/mL

RT: 23.54 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BE100401.D

Acq: 6 Jul 2019 3:40

Instrument :

BNA_E

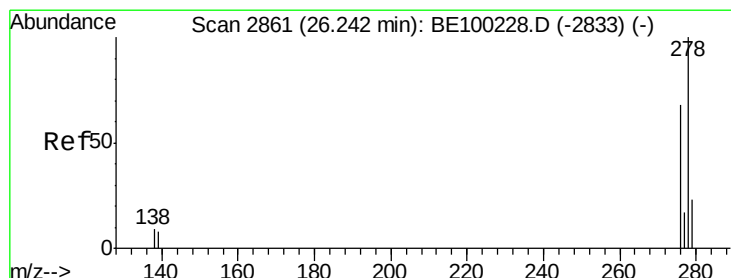
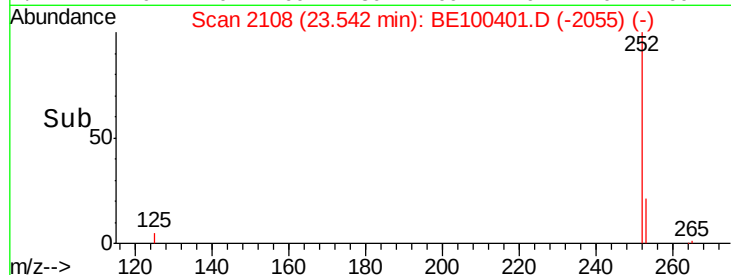
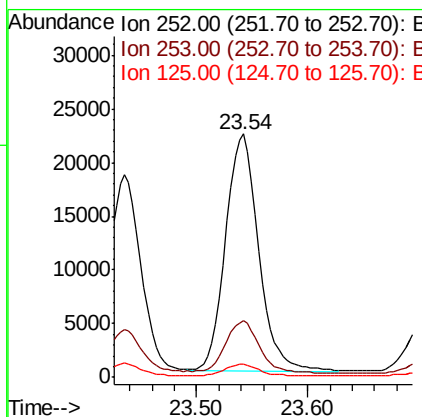
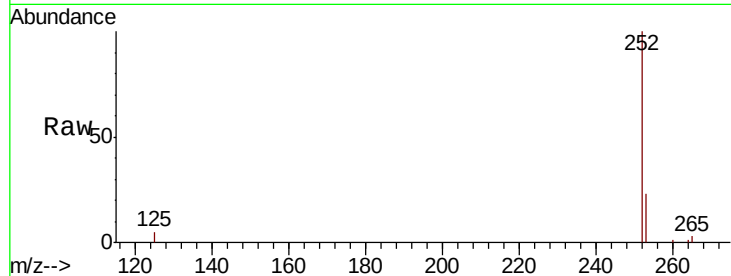
ClientSampleId :

EXT-015-SW086-062519DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.6	29.4
125	5.3	9.0	13.6

Manual Integrations
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mohammad
7/8/2019 2:14:33 PM



#38

Dibenzo(a,h)anthracene

Concen: 0.327 ng/mL

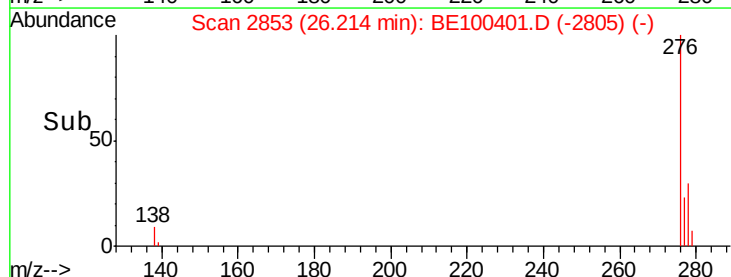
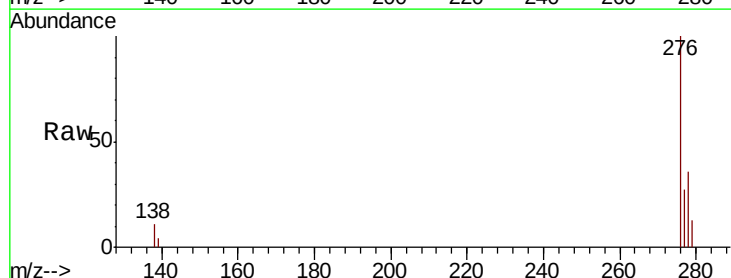
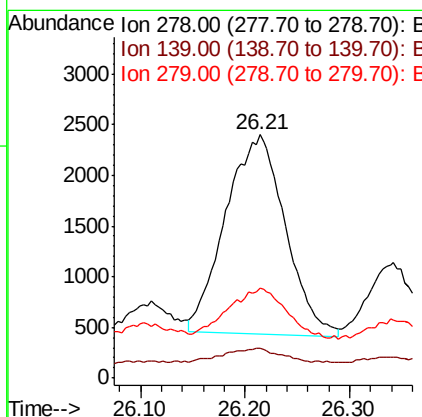
RT: 26.21 min Scan# 2853

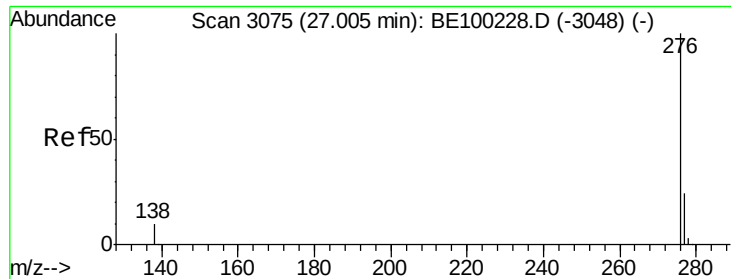
Delta R.T. -0.03 min

Lab File: BE100401.D

Acq: 6 Jul 2019 3:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	8.2	12.2
279	36.8	20.3	30.5





#39

Benzo(a,h,i)perylene

Concen: 1.406 ng

RT: 26.99 min Scan# 3070

Delta R.T. -0.02 min

Lab File: BE100401.D

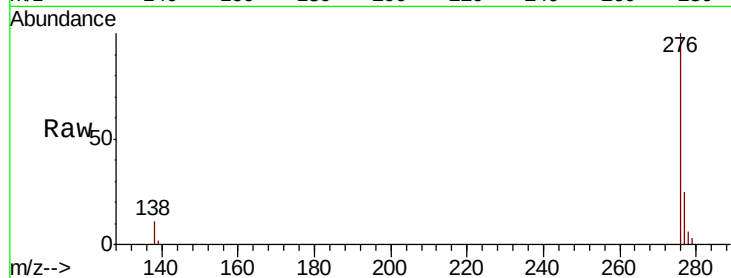
Acq: 6 Jul 2019 3:40

Instrument :

BNA_E

ClientSampleId :

EXT-015-SW086-062519DL



Tot Ion:	276	Resp:	34571
Ion Ratio	Lower	Upper	
276	100		
277	25.4	20.2	30.2
138	10.6	9.0	13.6

Manual Integrations
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mohammad
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