

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100338.D
 Acq On : 3 Jul 2019 20:52
 Operator : JU/SJ
 Sample : K3561-06 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW098-062519

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:13 AM

Quant Time: Jul 04 01:35:06 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	632	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2512	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2057	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5731	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7854	0.40	ng	0.00
34) Perylene-d12	23.67	264	9011	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	74	0.05	ng	-0.01
5) Phenol-d6	6.85	99	58m	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	107	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	235	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	67	0.05	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	360	0.04	ng	-0.01
25) Fluoranthene-d10	19.09	212	3368	0.04	ng	0.00
29) Terphenyl-d14	19.69	244	2103	0.13	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	4932	0.178	ng	# 97
12) 2-Methylnaphthalene	12.11	142	1062	0.218	ng	91
16) Acenaphthylene	14.02	152	7997	0.810	ng	99
17) Acenaphthene	14.37	154	791	0.141	ng	96
18) Fluorene	15.35	166	2648	0.320	ng	# 88
23) Phenanthrene	17.09	178	69300	4.989	ng	100
24) Anthracene	17.19	178	7141	0.571	ng	96
26) Fluoranthene	19.12	202	135270	6.114	ng	99
28) Pyrene	19.48	202	169329	8.143	ng	97
30) Benzo(a)anthracene	21.22	228	91377	3.538	ng	97
31) Chrysene	21.28	228	108052	4.167	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	402743	10.977	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.22	276	59859	1.745	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	111871	4.579	ng	# 96
36) Benzo(k)fluoranthene	22.96	252	37743m	1.384	ng	
37) Benzo(a)pyrene	23.55	252	79723m	3.256	ng	
38) Dibenzo(a,h)anthracene	26.22	278	15212	0.595	ng	# 89
39) Benzo(a,h,i)perylene	27.01	276	67839	2.582	ng	98

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

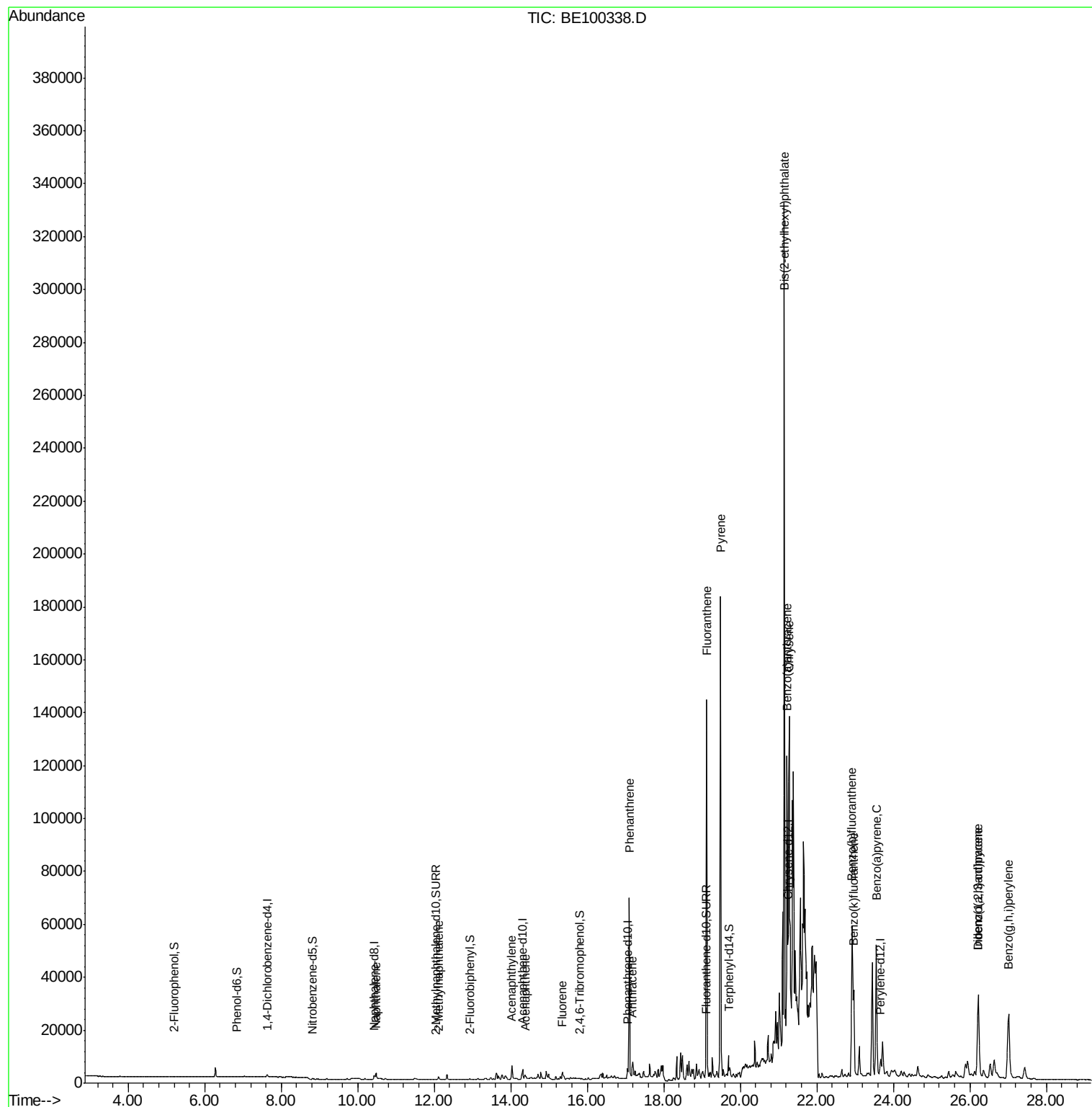
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
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Sample : K3561-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

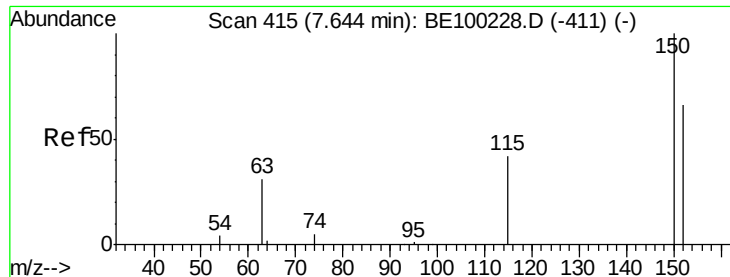
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Manual Integrations
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7/5/2019 8:54:13 AM

Quant Time: Jul 04 01:35:06 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

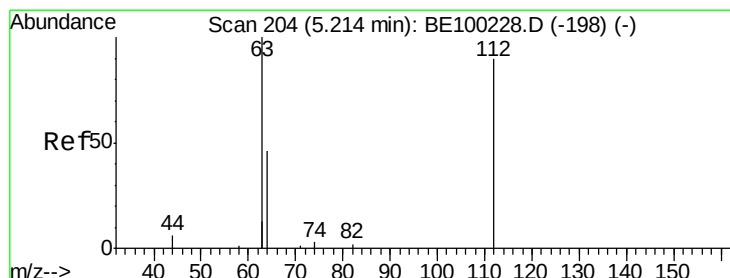
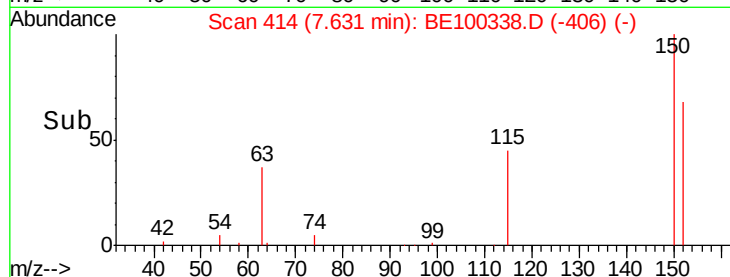
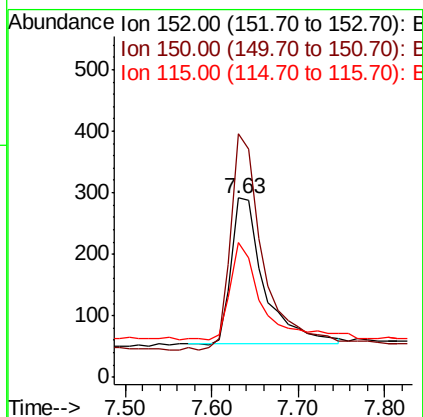
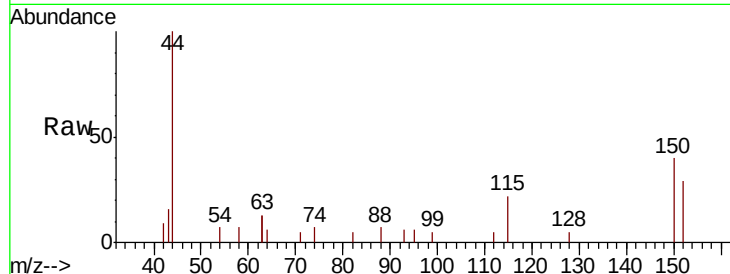
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.1	114.5	171.7
115	75.3	57.1	85.7

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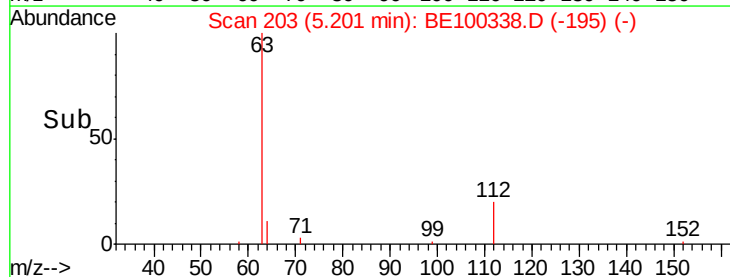
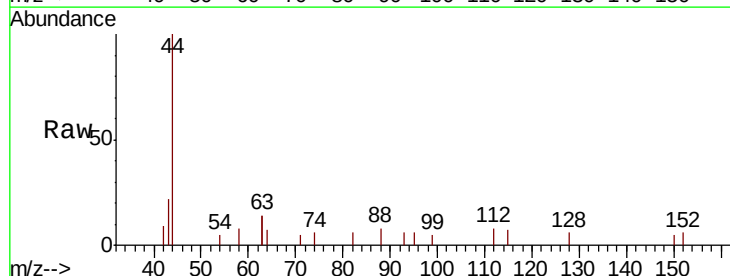
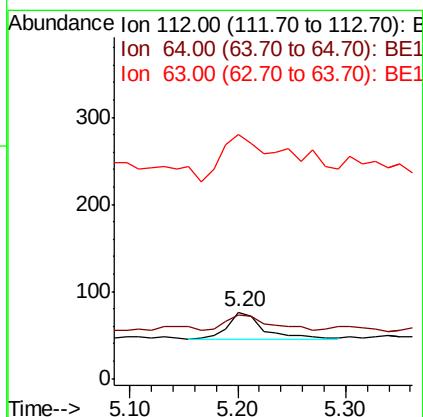
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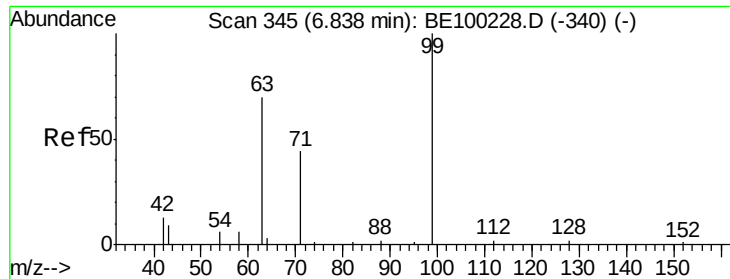


#4

2-Fluorophenol
Concen: 0.046 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	39.4	59.0
63	327.0	104.5	156.7





#5

Phenol-d6

Concen: 0.027 ng/ml

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Instrument :

BNA_E

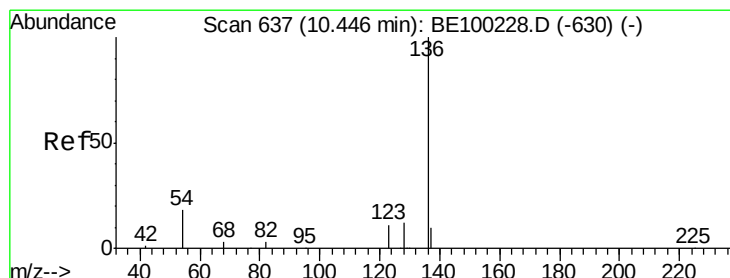
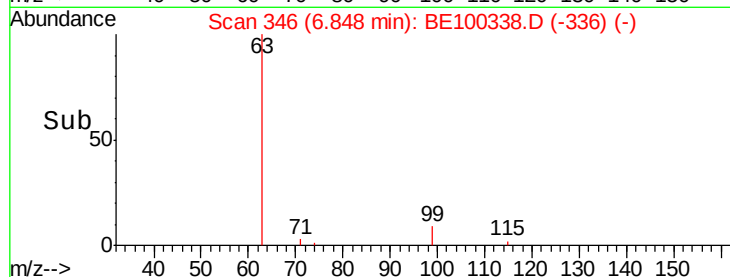
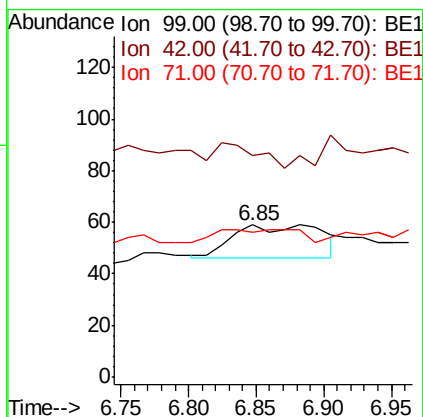
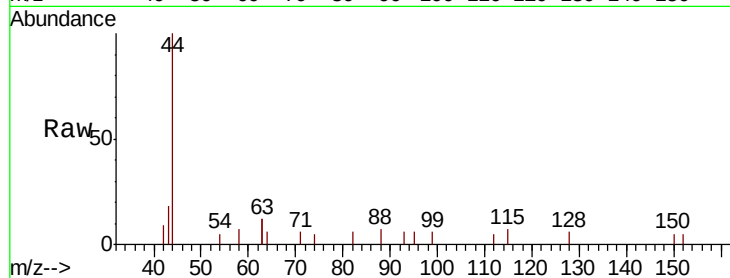
ClientSampleId :

EXT-016-SW098-062519

Tot Ion:	99	Resp:	58
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

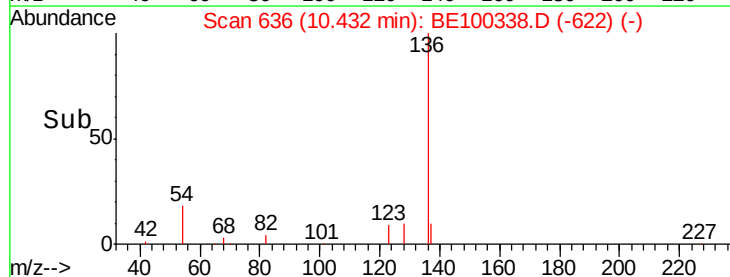
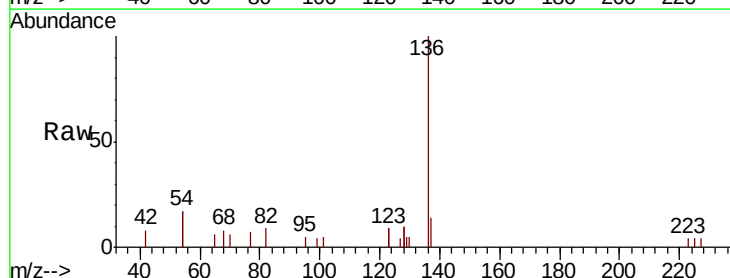
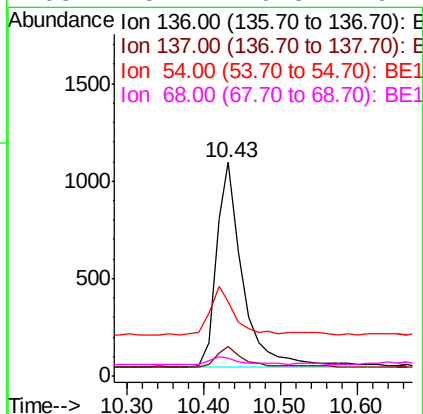
RT: 10.43 min Scan# 636

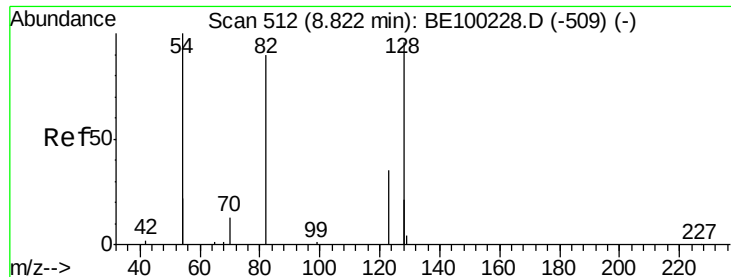
Delta R.T. -0.01 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Tgt Ion:	136	Resp:	2512
Ion	Ratio	Lower	Upper
136	100		
137	14.1	11.8	17.8
54	34.5	27.7	41.5
68	8.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.043 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Instrument :

BNA_E

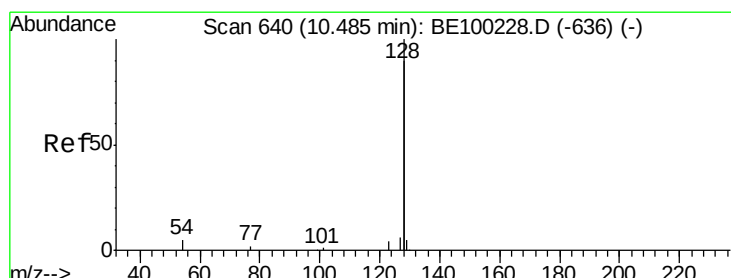
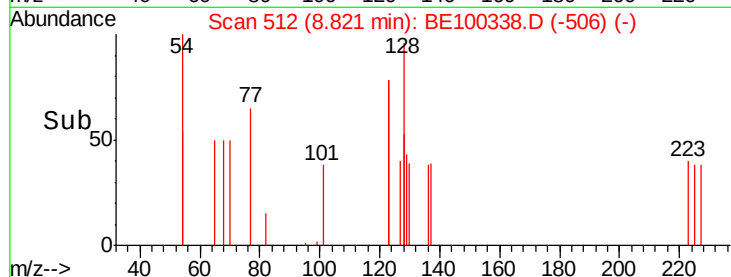
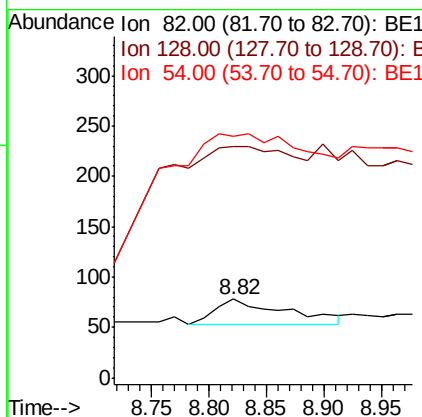
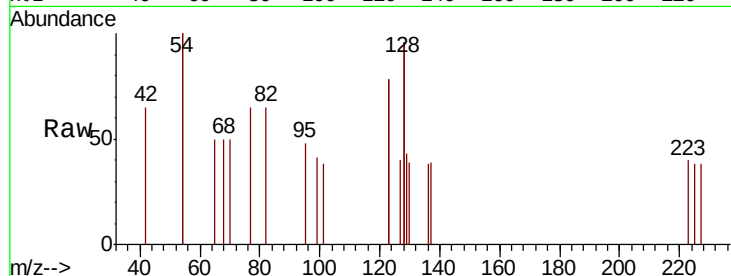
ClientSampleId :

EXT-016-SW098-062519

Tot Ion:	82	Resp:	107
Ion	Ratio	Lower	Upper
82	100		
128	294.9	140.9	211.3#
54	307.7	146.2	219.2#

Manual Integrations
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#9

Naphthalene

Concen: 0.178 ng

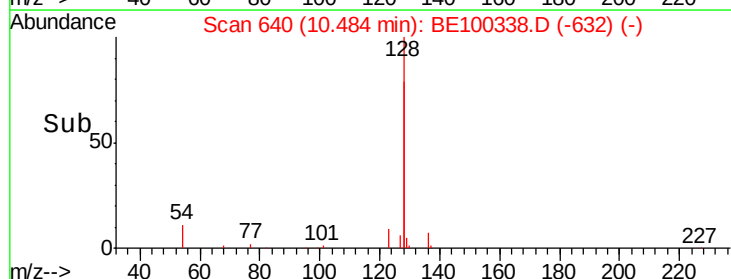
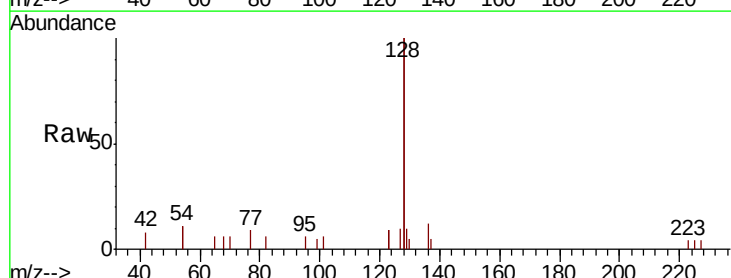
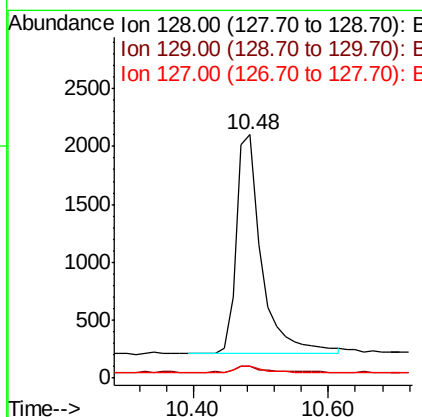
RT: 10.48 min Scan# 640

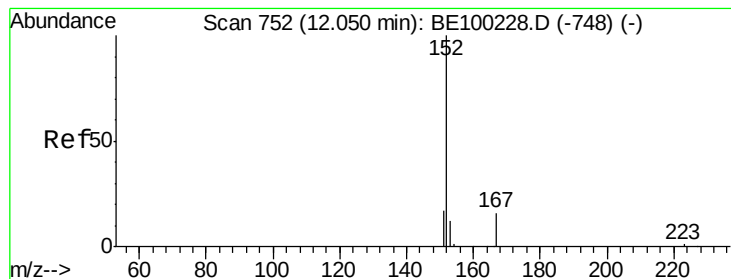
Delta R.T. -0.00 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Tgt Ion:	128	Resp:	4932
Ion	Ratio	Lower	Upper
128	100		
129	5.1	3.0	4.6#
127	5.0	3.5	5.3





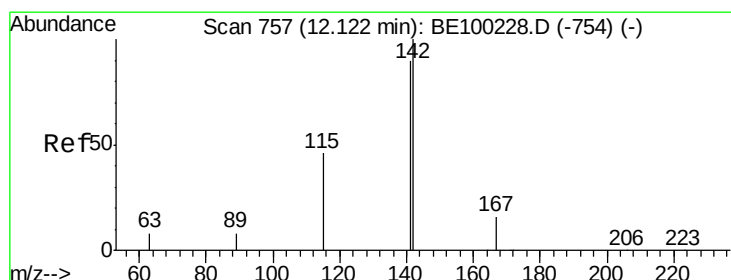
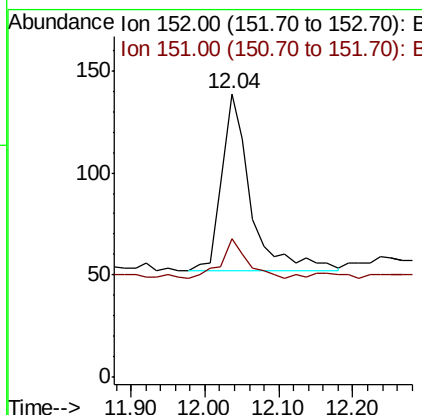
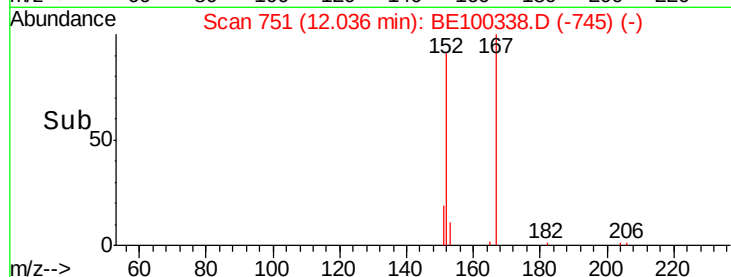
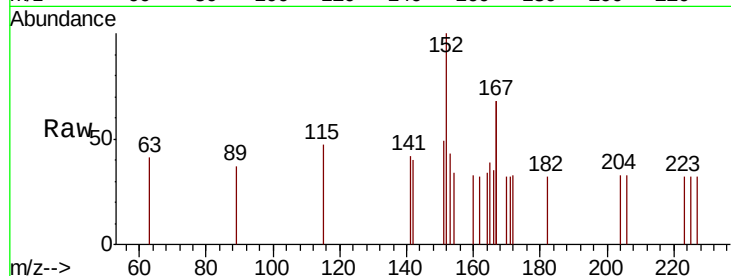
#11
2-Methylnaphthalene-d10
Concen: 0.050 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion:152 Resp: 235
Ion Ratio Lower Upper
152 100
151 20.4 15.1 22.7

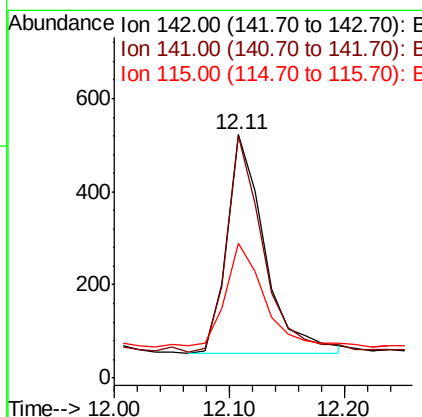
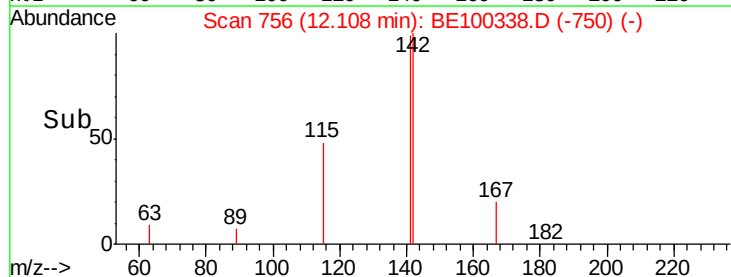
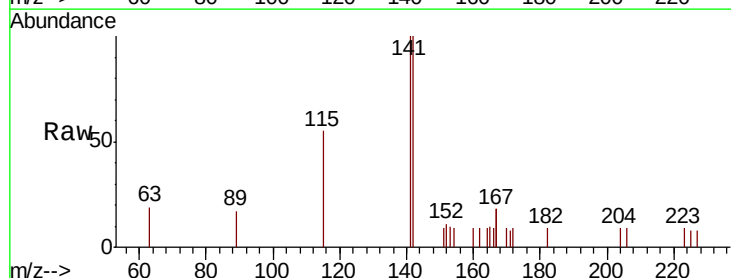
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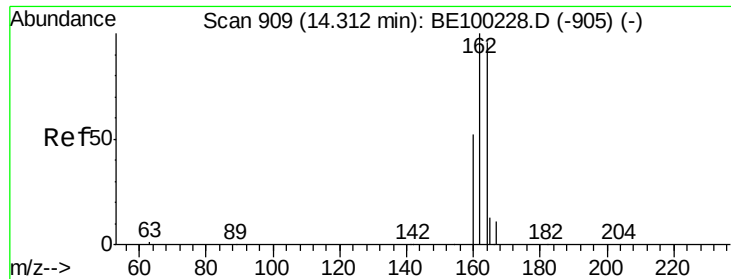
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#12
2-Methylnaphthalene
Concen: 0.218 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion:142 Resp: 1062
Ion Ratio Lower Upper
142 100
141 99.6 72.4 108.6
115 55.4 40.4 60.6





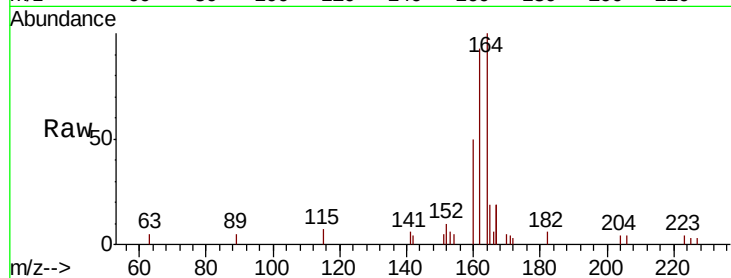
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.5	83.4	125.0
160	49.9	45.0	67.6

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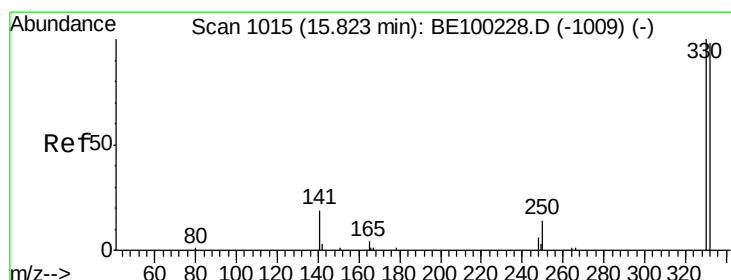
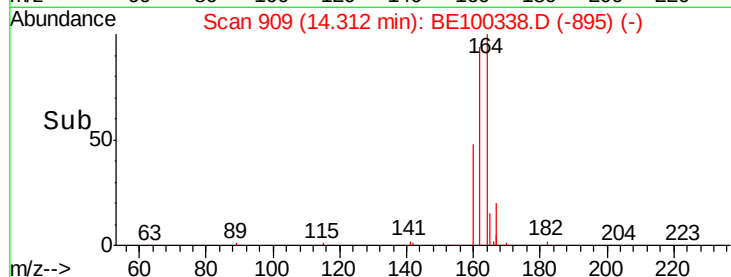
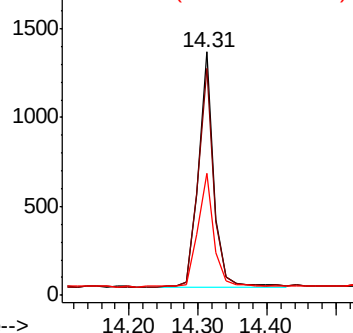


Abundance

Ion 164.00 (163.70 to 164.70): E

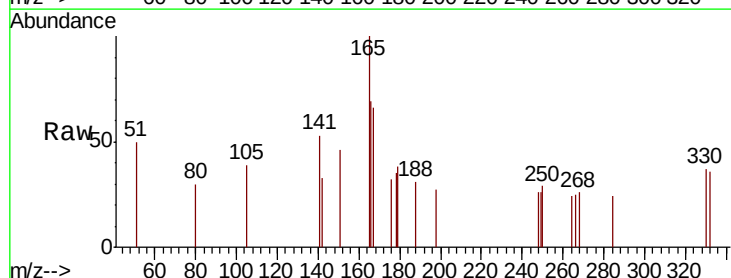
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.047 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.0	77.0	115.4
141	320.9	22.0	33.0#

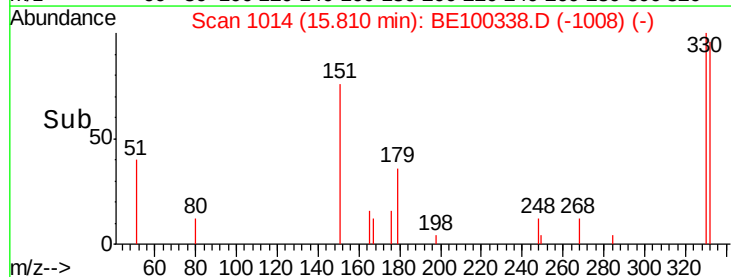
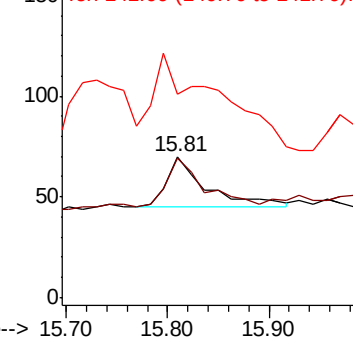


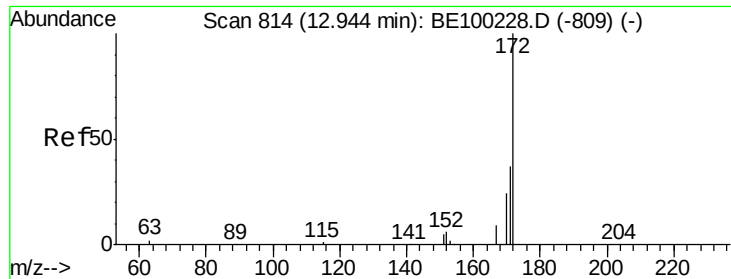
Abundance

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





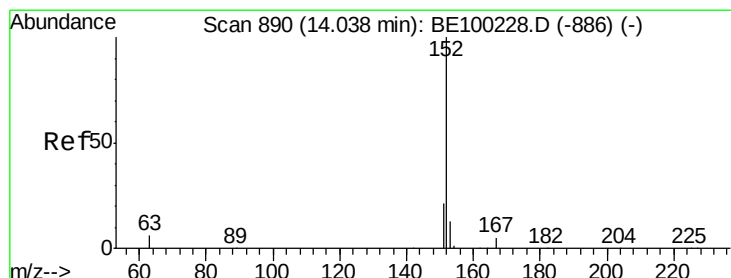
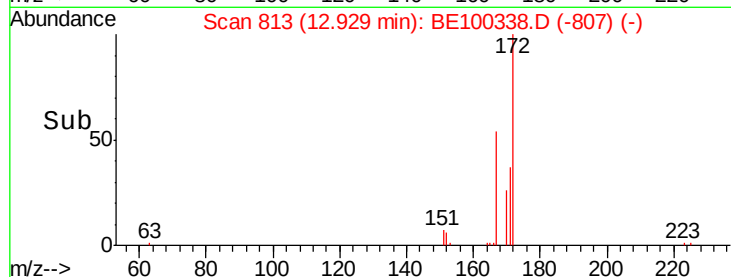
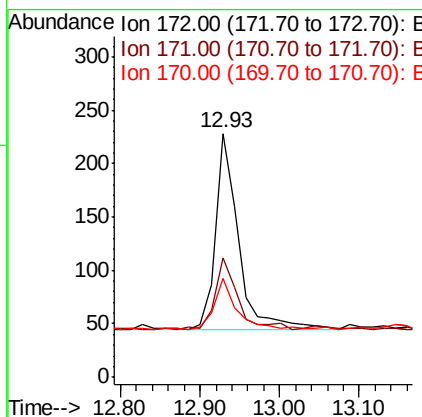
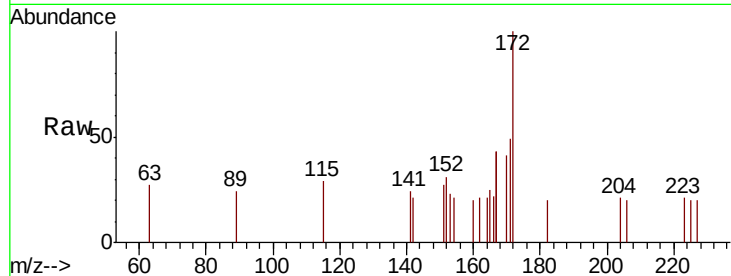
#15
2-Fluorobiphenyl
Concen: 0.045 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	49.1	31.9	47.9#
170	40.8	22.2	33.2#

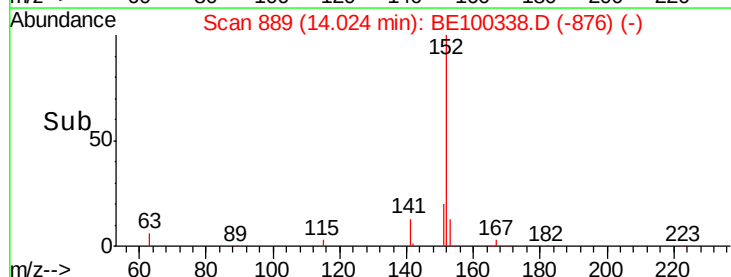
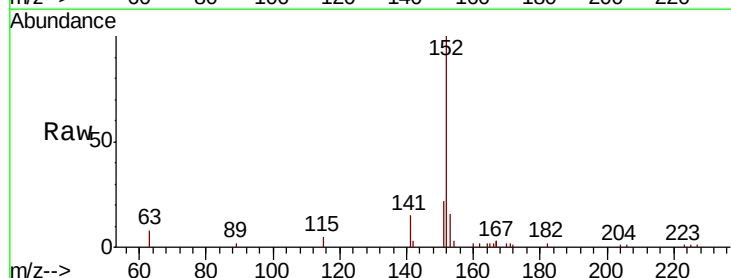
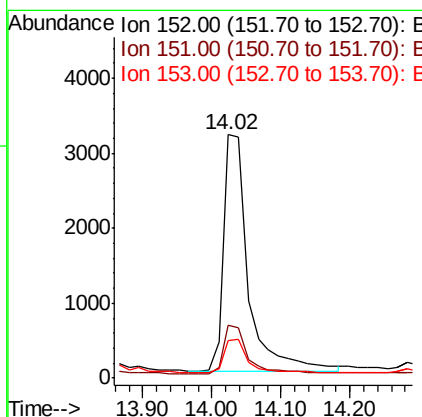
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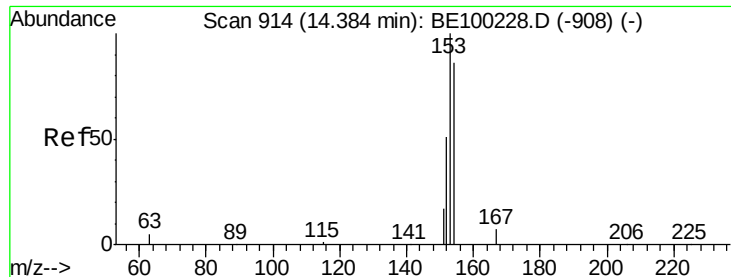
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#16
Acenaphthylene
Concen: 0.810 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0
153	13.3	10.5	15.7





#17

Acenaphthene

Concen: 0.141 ng

RT: 14.37 min Scan# 913

Delta R.T. -0.01 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Instrument :

BNA_E

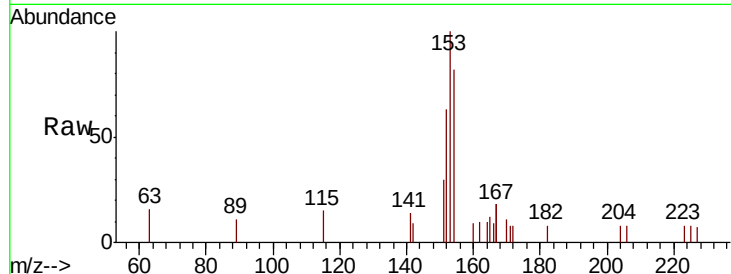
ClientSampleId :

EXT-016-SW098-062519

Tot Ion:	154	Resp:	791
Ion Ratio	Lower	Upper	
154	100		
153	113.3	93.4	140.2
152	66.5	49.4	74.2

Manual Integrations
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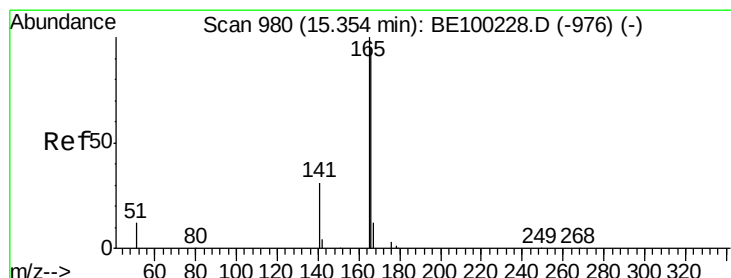
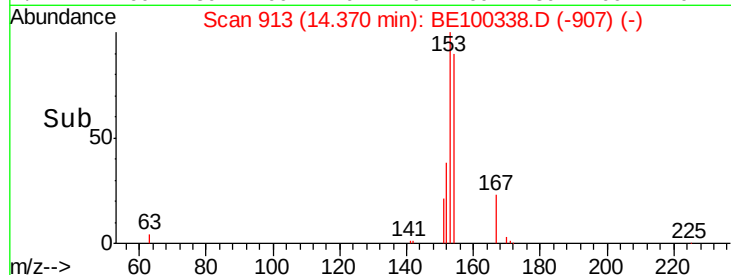
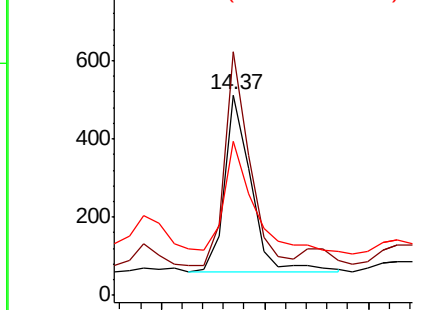


Abundance

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: 0.320 ng

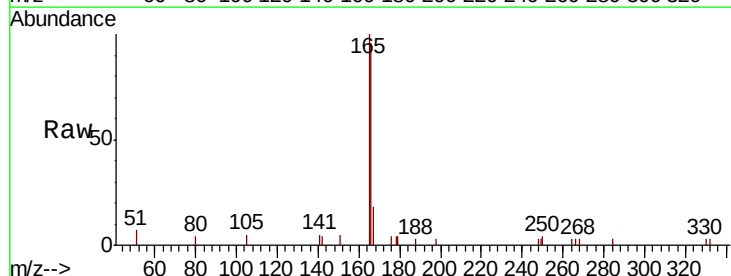
RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Tgt Ion:	166	Resp:	2648
Ion Ratio	Lower	Upper	
166	100		
165	112.3	81.1	121.7
167	21.5	10.7	16.1#

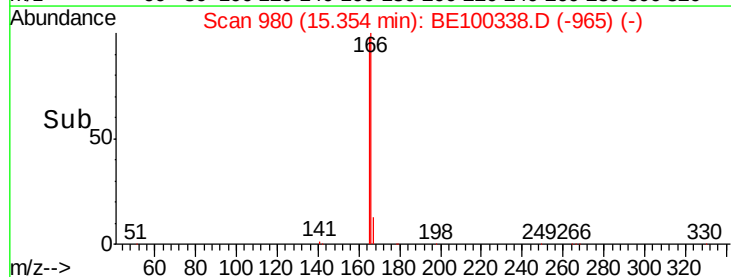
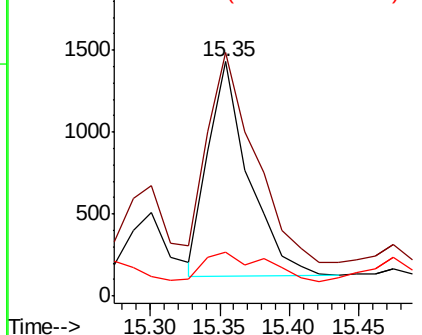


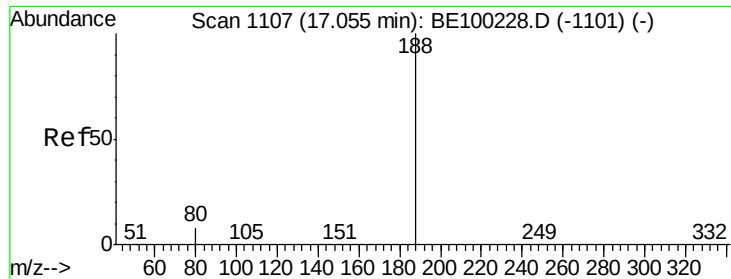
Abundance

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





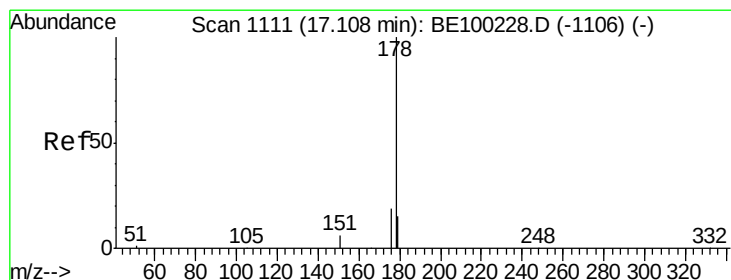
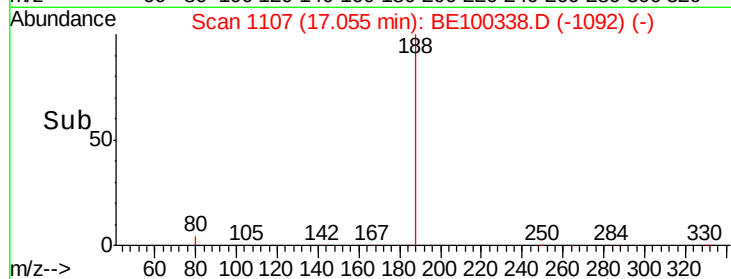
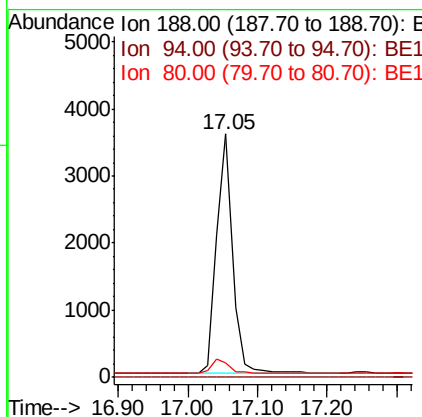
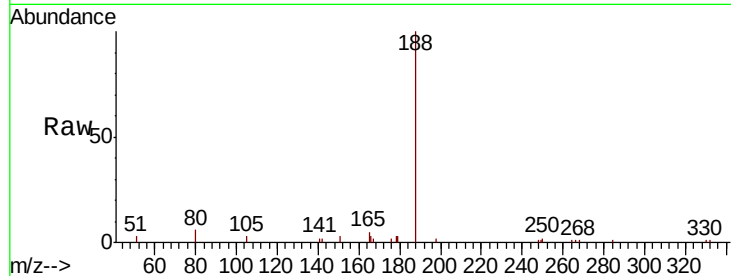
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion:	188	Resp:	5731
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.0	7.6	11.4#

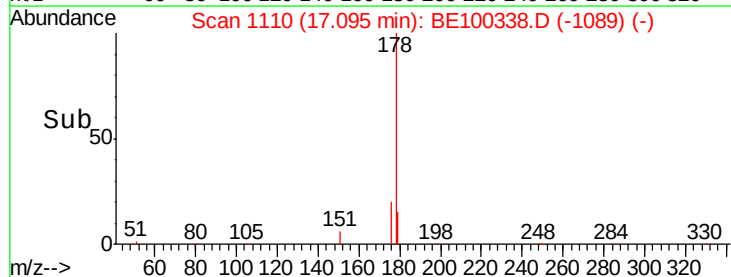
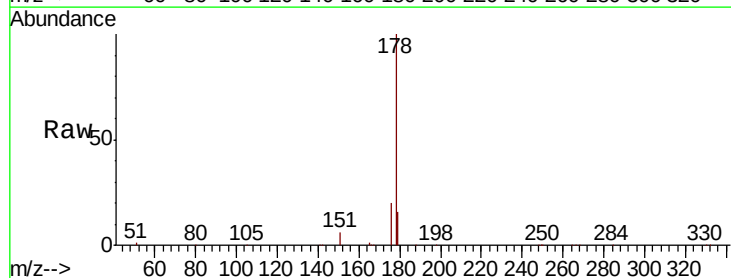
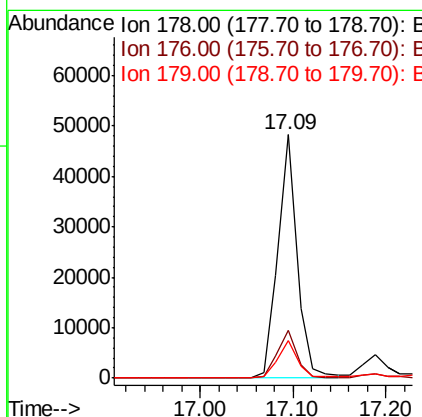
Manual Integrations
APPROVED

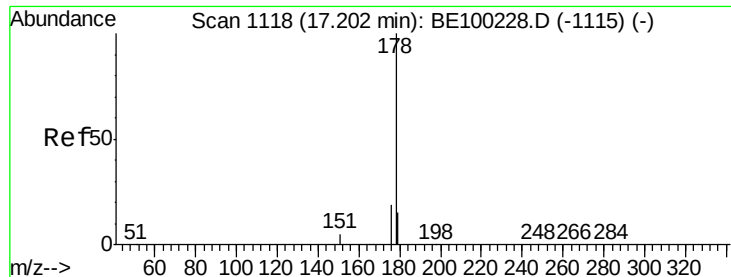
mohammad
7/5/2019 8:54:13 AM



#23
Phenanthrene
Concen: 4.989 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion:	178	Resp:	69300
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.5	12.2	18.2





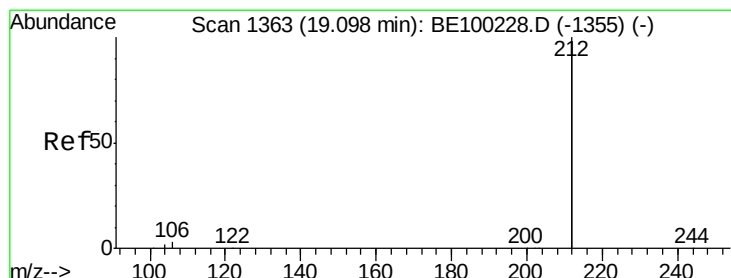
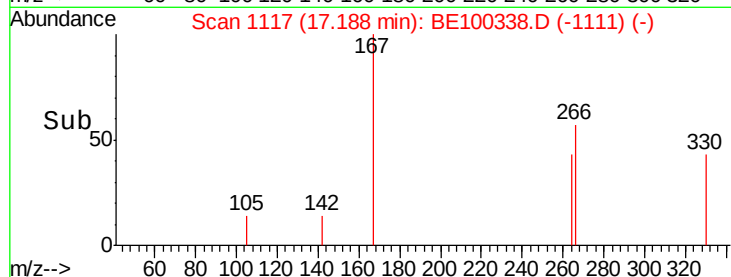
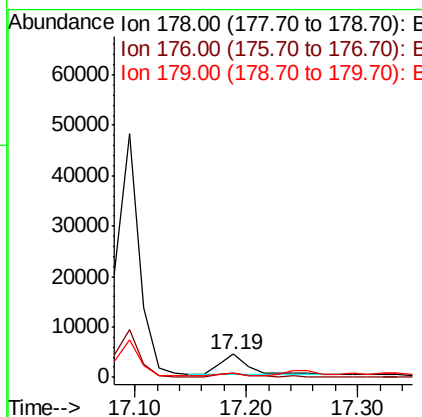
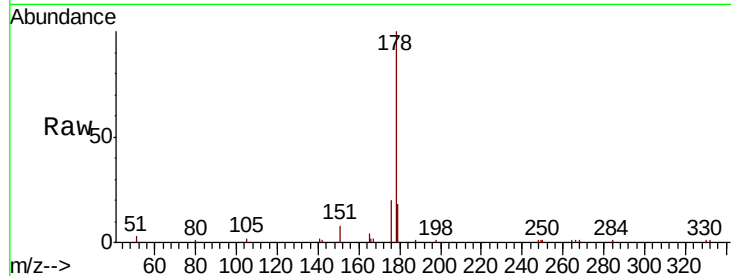
#24
 Anthracene
 Concen: 0.571 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100338.D
 Acq: 3 Jul 2019 20:52

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.3	22.9
179	13.7	12.2	18.2

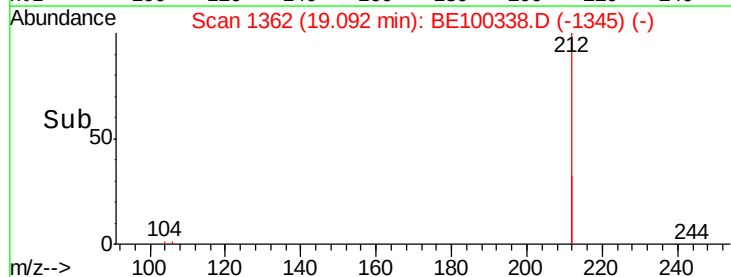
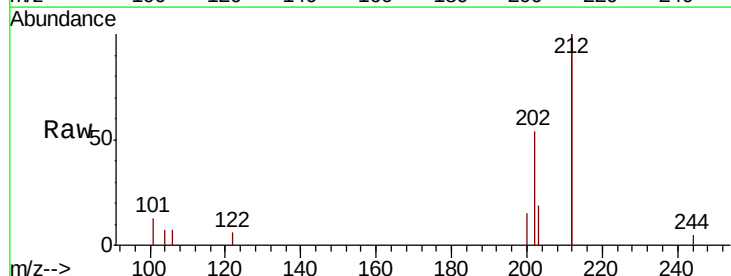
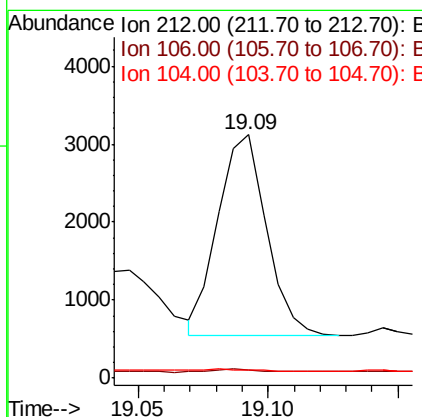
Manual Integrations
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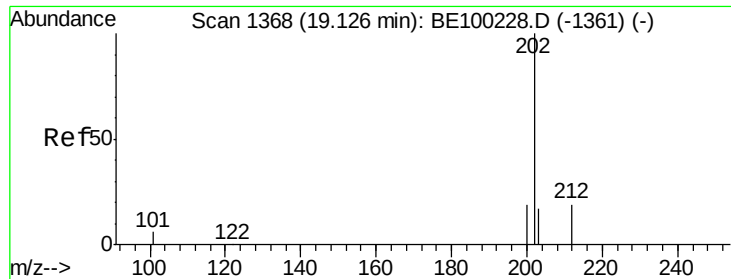
mohammad
 7/5/2019 8:54:13 AM



#25
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100338.D
 Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	1.4	0.8	1.2#





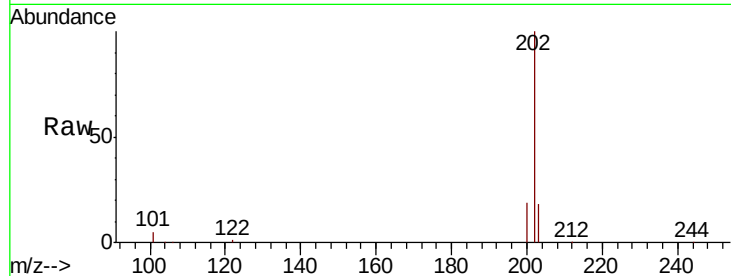
#26
Fluoranthene
Concen: 6.114 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	4.6	7.0
203	17.7	13.7	20.5

Manual Integrations
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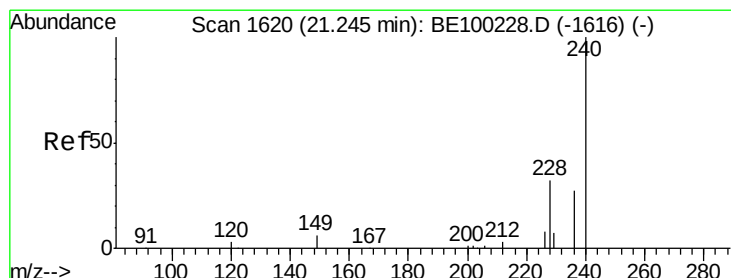
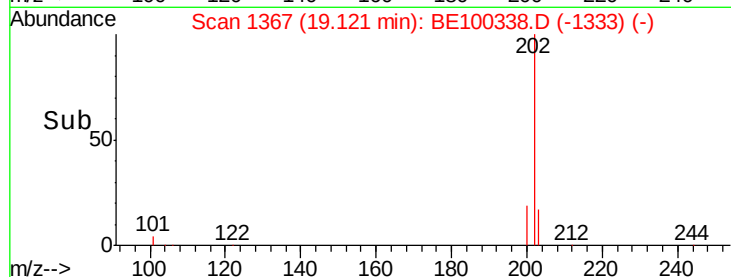
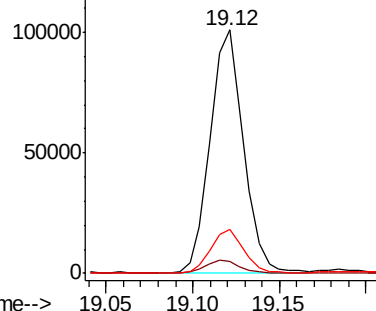


Abundance

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: 21.24 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

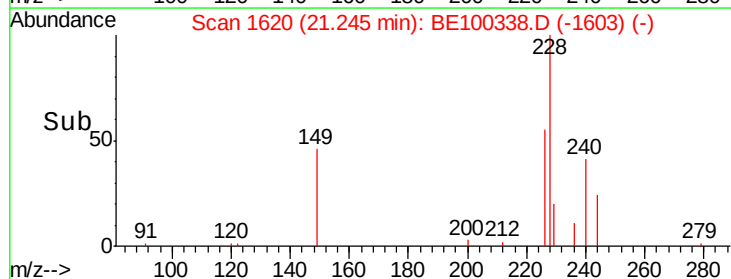
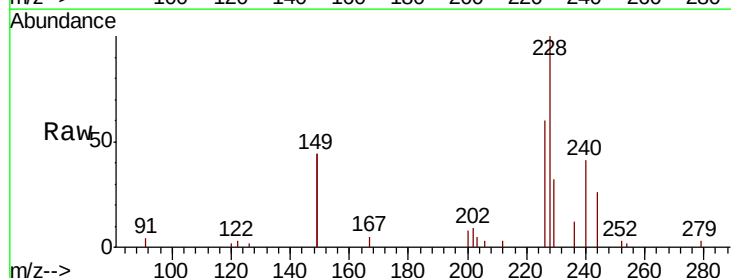
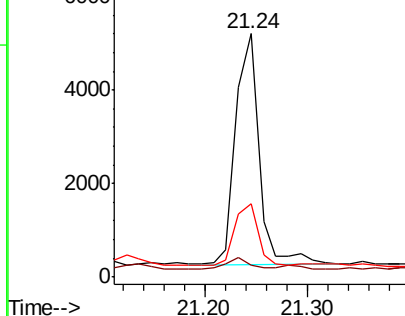
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.9	3.3	4.9
236	30.0	22.6	34.0

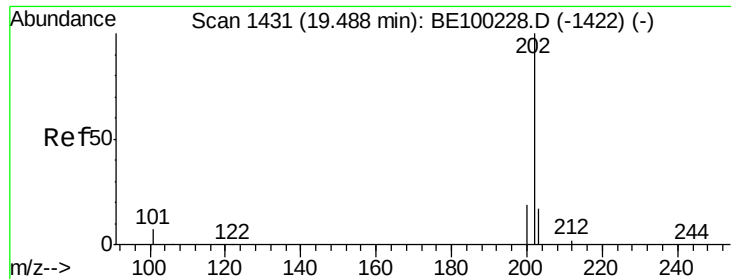
Abundance

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





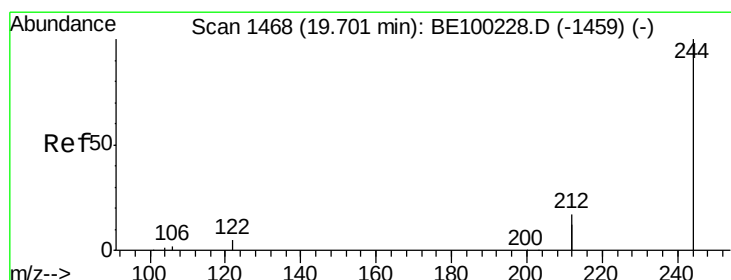
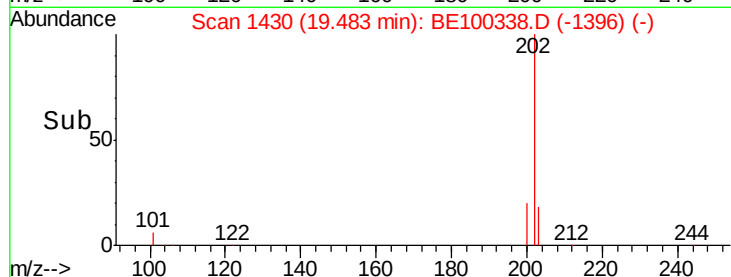
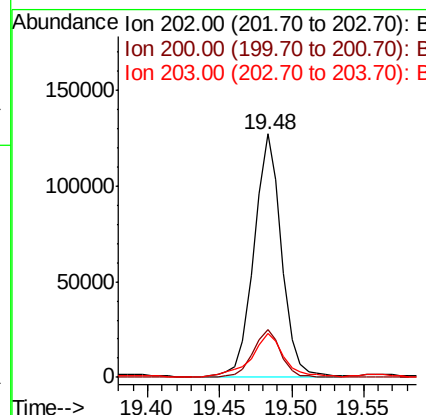
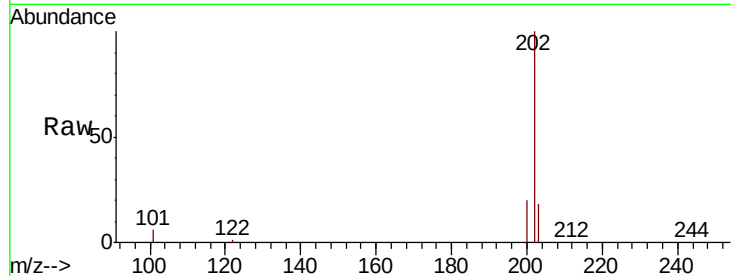
#28
Pvrene
Concen: 8.143 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.7	15.6	23.4
203	20.5	14.0	21.0

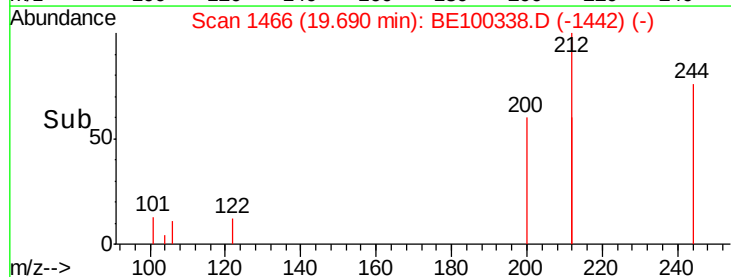
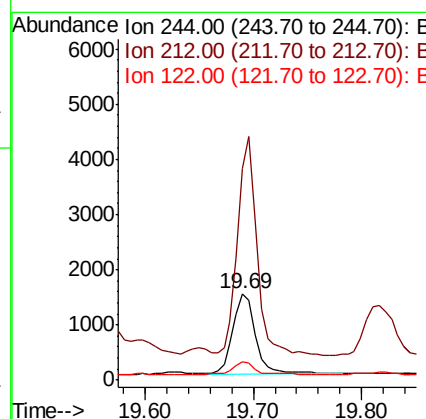
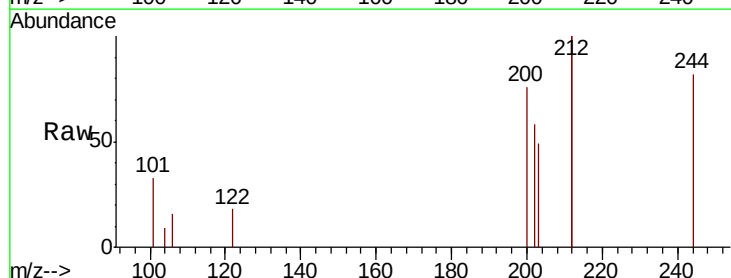
Manual Integrations
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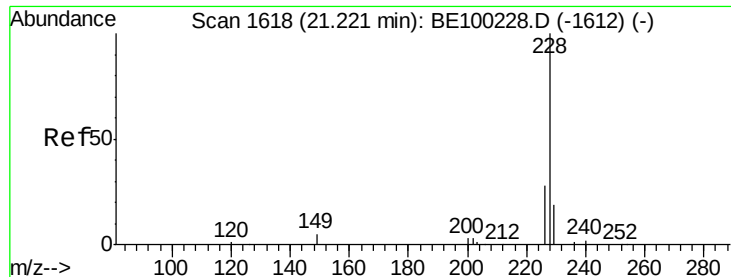
mohammad
7/5/2019 8:54:13 AM



#29
Terphenyl-d14
Concen: 0.129 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	245.4	27.3	40.9#
122	22.0	4.7	7.1#





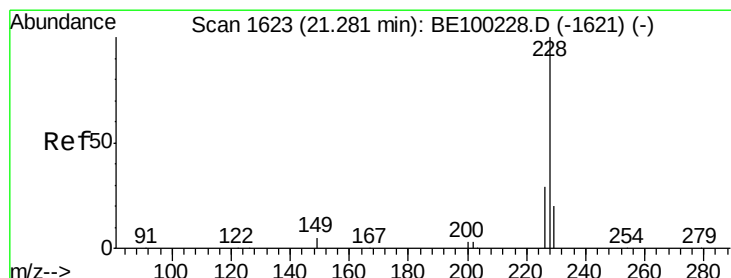
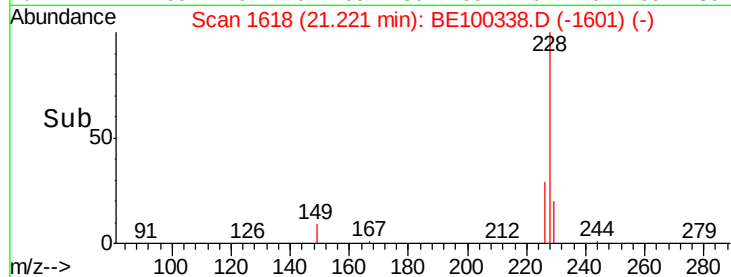
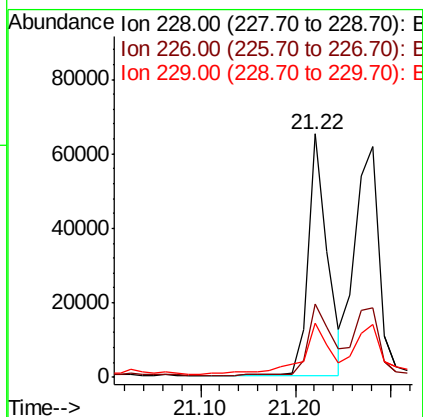
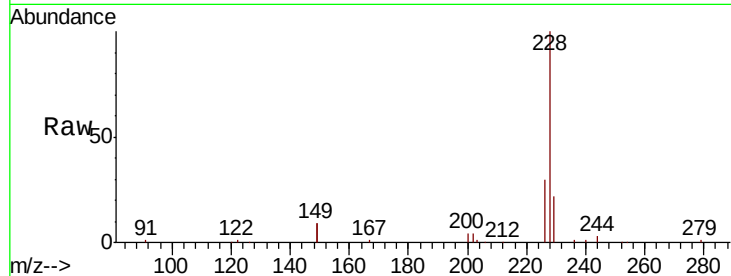
#30
Benzo(a)anthracene
Concen: 3.538 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	22.0	15.7	23.5

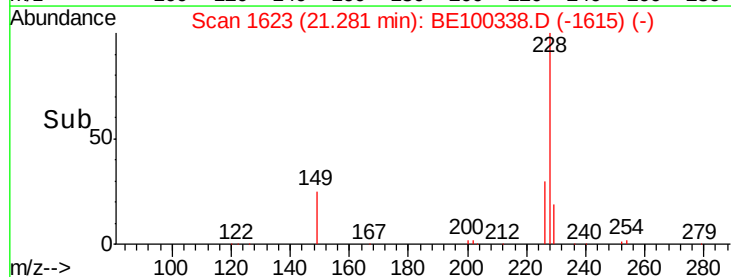
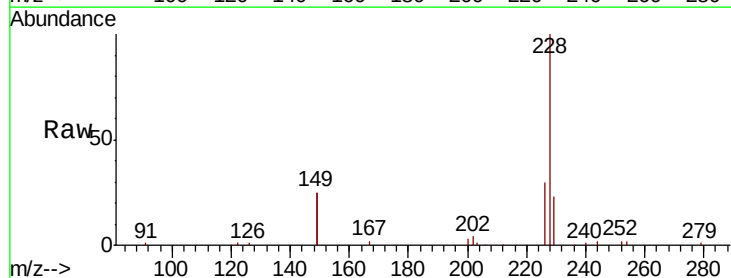
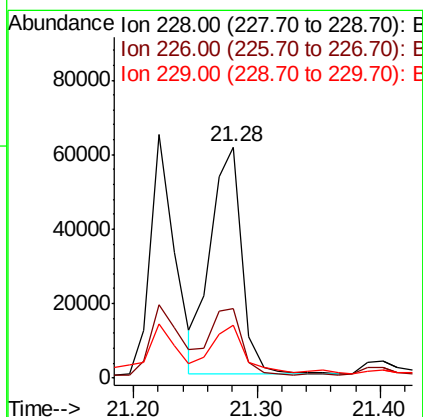
Manual Integrations
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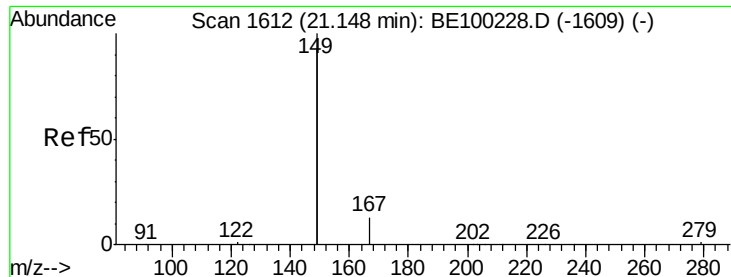
mohammad
7/5/2019 8:54:13 AM



#31
Chrysene
Concen: 4.167 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	23.0	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 10.977 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Instrument :

BNA_E

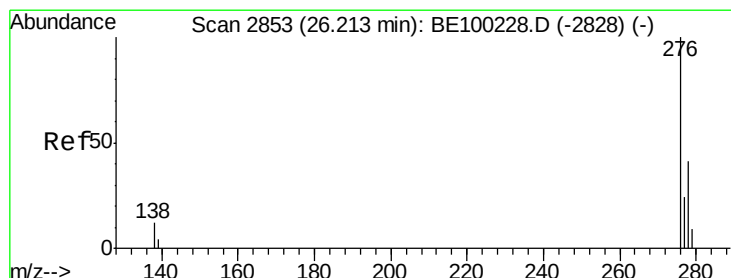
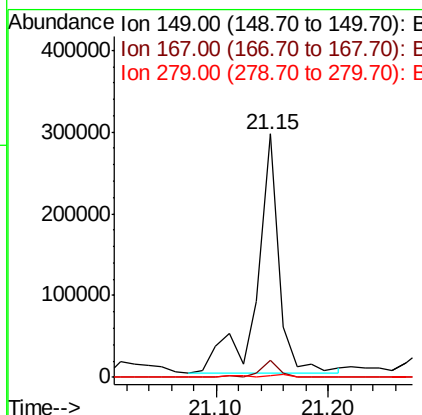
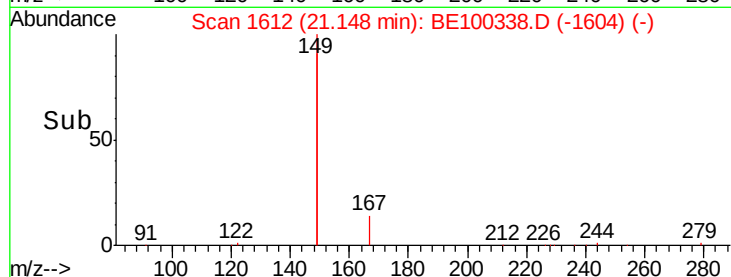
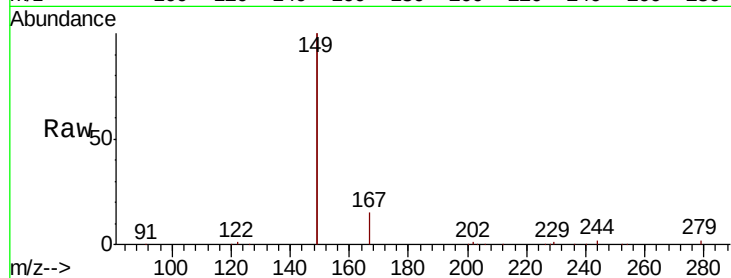
ClientSampleId :

EXT-016-SW098-062519

Tot Ion:	149	Resp:	402743
Ion Ratio	Lower	Upper	
149	100		
167	6.1	5.8	8.8
279	1.9	1.1	1.7#

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.745 ng

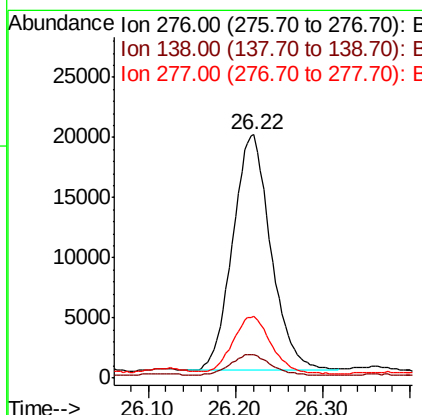
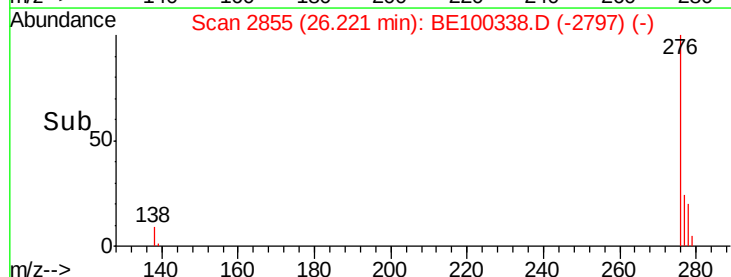
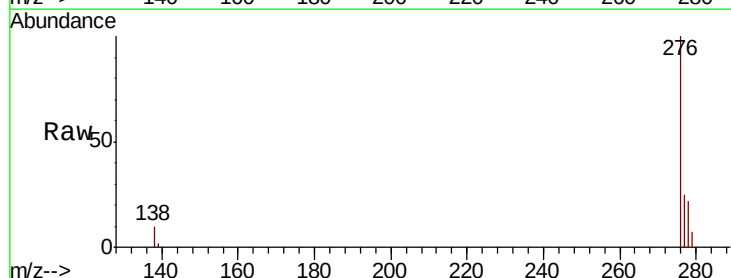
RT: 26.22 min Scan# 2855

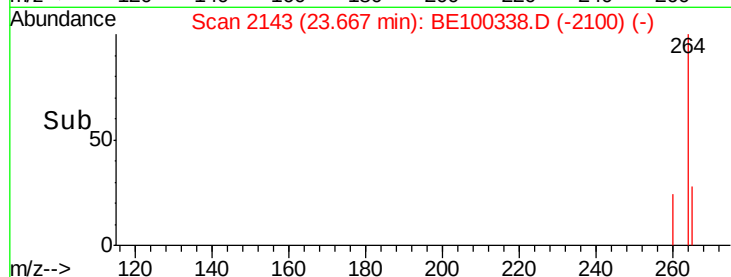
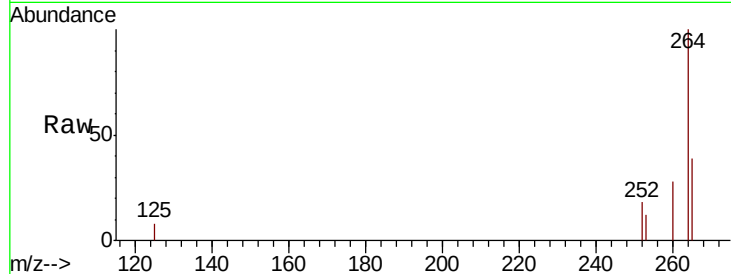
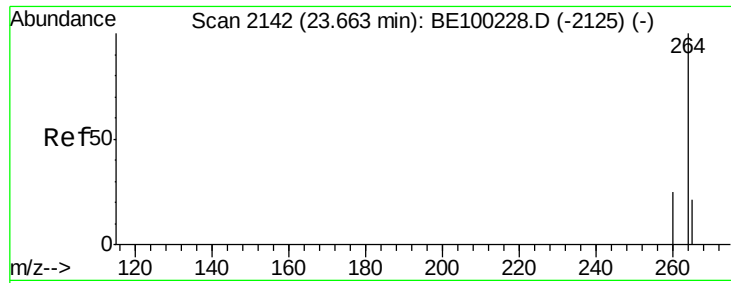
Delta R.T. 0.01 min

Lab File: BE100338.D

Acq: 3 Jul 2019 20:52

Tgt Ion:	276	Resp:	59859
Ion Ratio	Lower	Upper	
276	100		
138	9.1	9.4	14.0#
277	24.4	19.2	28.8





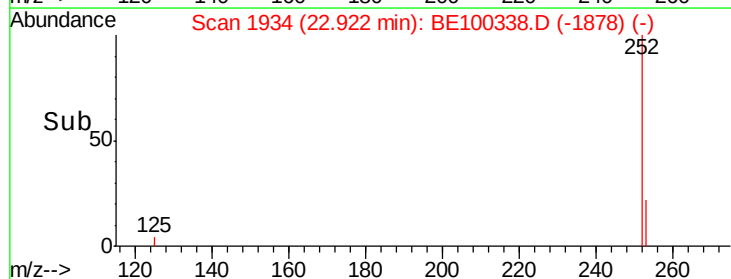
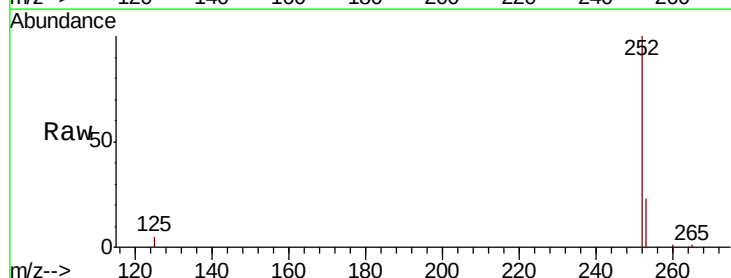
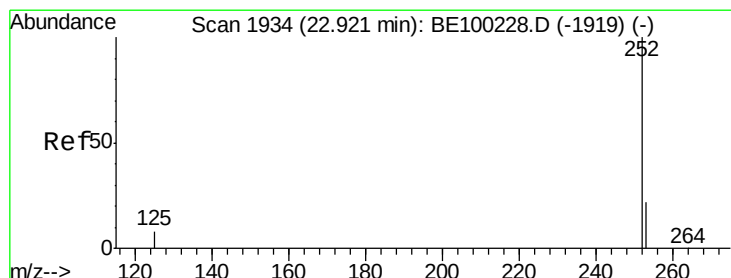
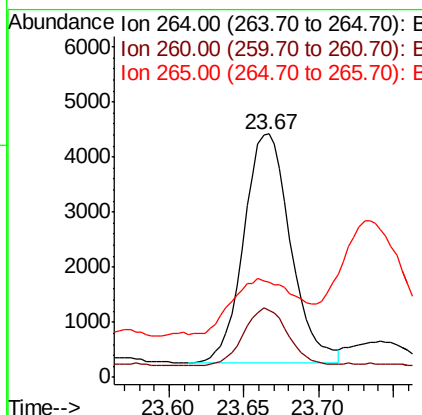
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BE100338.D
 Acq: 3 Jul 2019 20:52

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.8	31.2
265	39.1	21.8	32.6

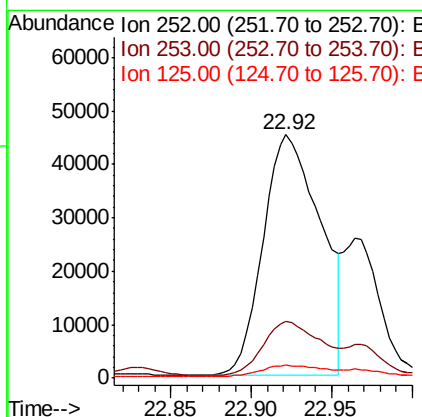
Manual Integrations
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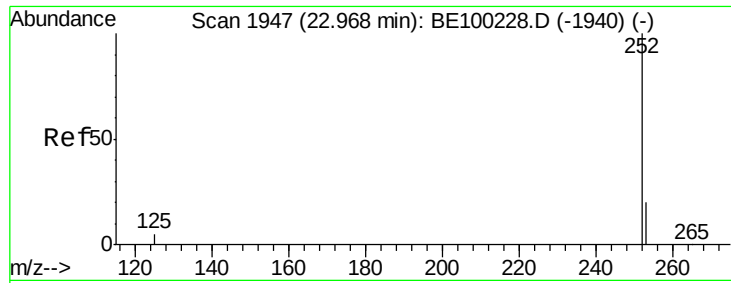
mohammad
 7/5/2019 8:54:13 AM



#35
 Benzo(b)fluoranthene
 Concen: 4.579 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100338.D
 Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	5.2	7.4	11.0





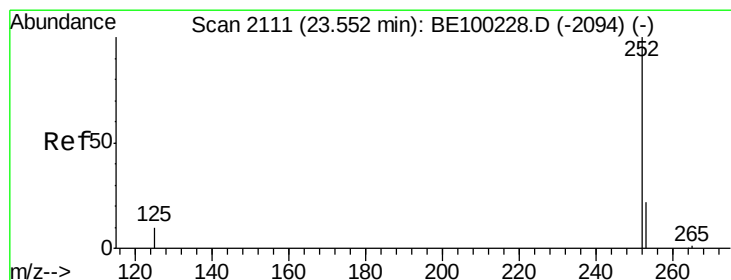
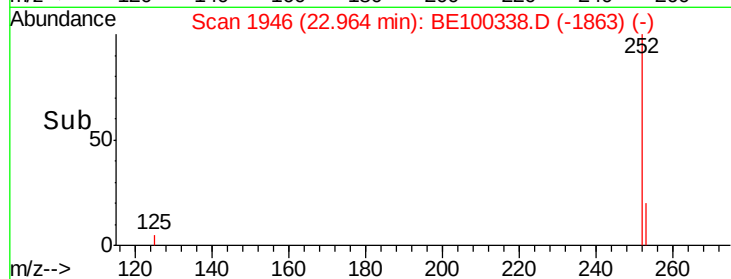
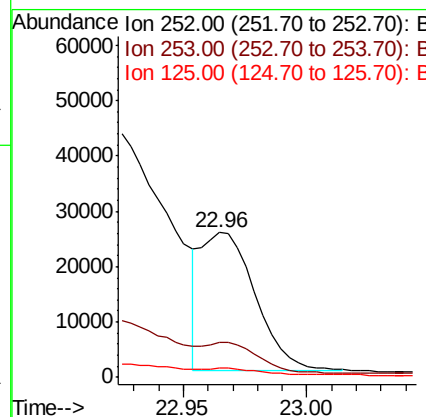
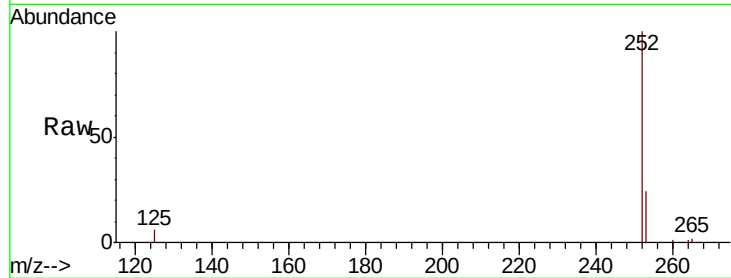
#36
Benzo(k)fluoranthene
Concen: 1.384 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	6.3	5.0	7.4

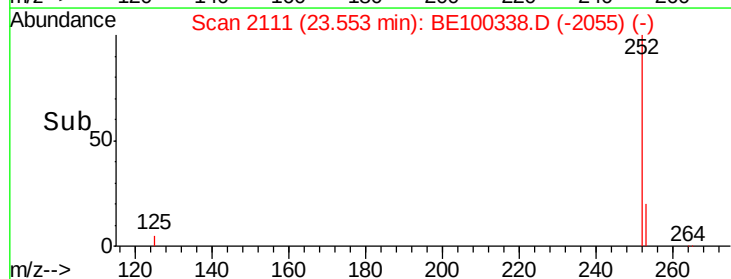
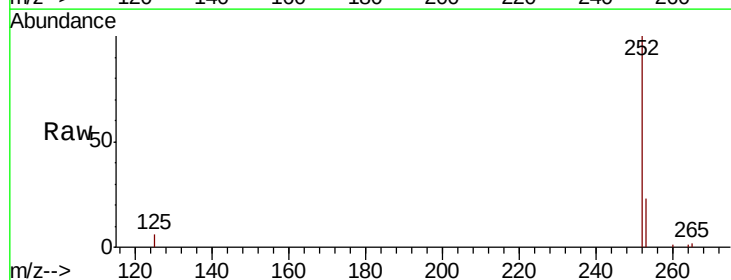
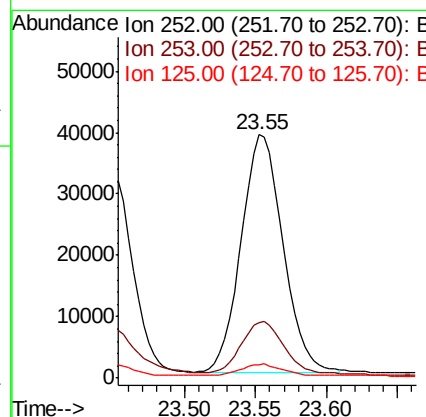
Manual Integrations
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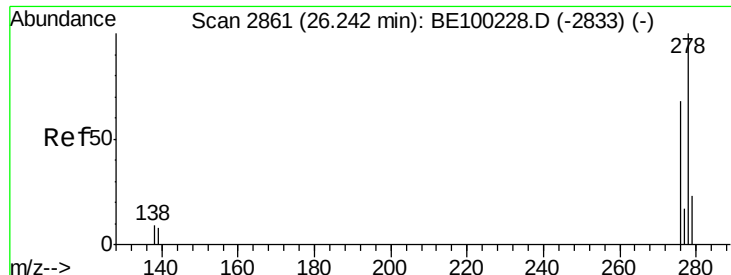
mohammad
7/5/2019 8:54:13 AM



#37
Benzo(a)pyrene
Concen: 3.256 ng m
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.6	29.4
125	5.5	9.0	13.6





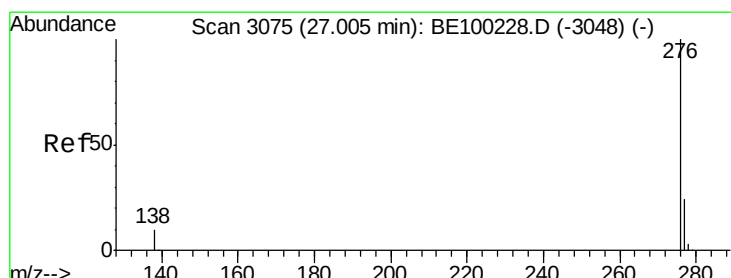
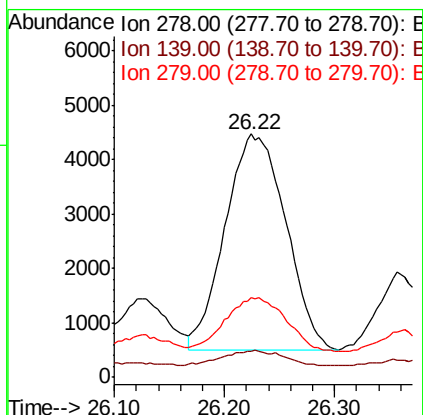
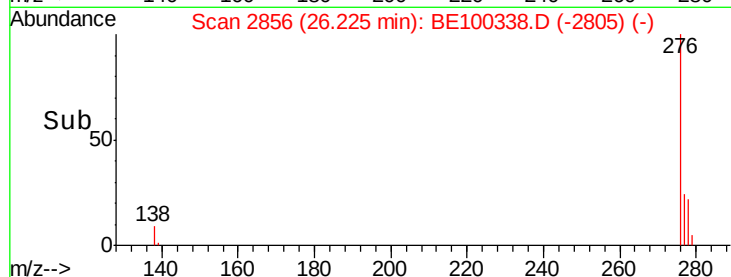
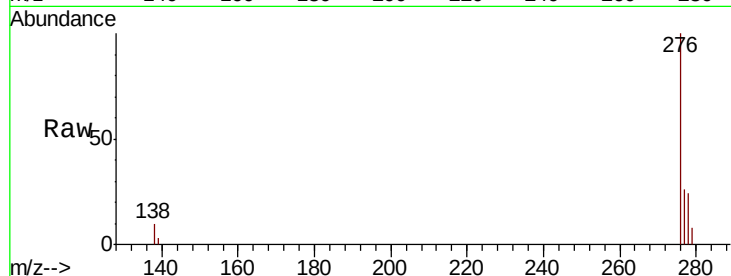
#38
Dibenzo(a,h)anthracene
Concen: 0.595 ng
RT: 26.22 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW098-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.2	12.2
279	33.0	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/5/2019 8:54:13 AM



#39
Benzo(g,h,i)perylene
Concen: 2.582 ng
RT: 27.01 min Scan# 3077
Delta R.T. 0.01 min
Lab File: BE100338.D
Acq: 3 Jul 2019 20:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.2	30.2
138	9.9	9.0	13.6

