

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100346.D
 Acq On : 4 Jul 2019 1:47
 Operator : JU/SJ
 Sample : K3558-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-032-SW173-062519

Manual Integrations
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mohammad
 7/5/2019 8:55:06 AM

Quant Time: Jul 04 02:43:57 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	607	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2048	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1732	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5247	0.40	ng	0.00
27) Chrysene-d12	21.25	240	7582	0.40	ng	0.00
34) Perylene-d12	23.66	264	8661	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	307	0.20	ng	-0.01
5) Phenol-d6	6.83	99	401	0.20	ng	-0.01
8) Nitrobenzene-d5	8.81	82	358	0.18	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	822	0.21	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	263	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1230	0.18	ng	-0.01
25) Fluoranthene-d10	19.09	212	12995	0.17	ng	0.00
29) Terphenyl-d14	19.69	244	3246	0.21	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	4731	0.209	ng	# 97
12) 2-Methylnaphthalene	12.11	142	846	0.213	ng	93
16) Acenaphthylene	14.02	152	7133	0.858	ng	99
17) Acenaphthene	14.37	154	564	0.120	ng	# 90
18) Fluorene	15.35	166	1674	0.240	ng	# 82
23) Phenanthrene	17.09	178	48137	3.785	ng	99
24) Anthracene	17.19	178	5770	0.504	ng	# 94
26) Fluoranthene	19.12	202	99422	4.908	ng	99
28) Pyrene	19.48	202	134691	6.710	ng	97
30) Benzo(a)anthracene	21.22	228	69521	2.789	ng	97
31) Chrysene	21.27	228	87632	3.501	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	46365	1.258	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	45763	1.382	ng	# 98
35) Benzo(b)fluoranthene	22.92	252	98214	4.183	ng	# 96
36) Benzo(k)fluoranthene	22.96	252	23186m	0.885	ng	
37) Benzo(a)pyrene	23.55	252	59533m	2.530	ng	
38) Dibenzo(a,h)anthracene	26.23	278	11667	0.475	ng	# 89
39) Benzo(a,h,i)perylene	27.00	276	52511	2.080	ng	99

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

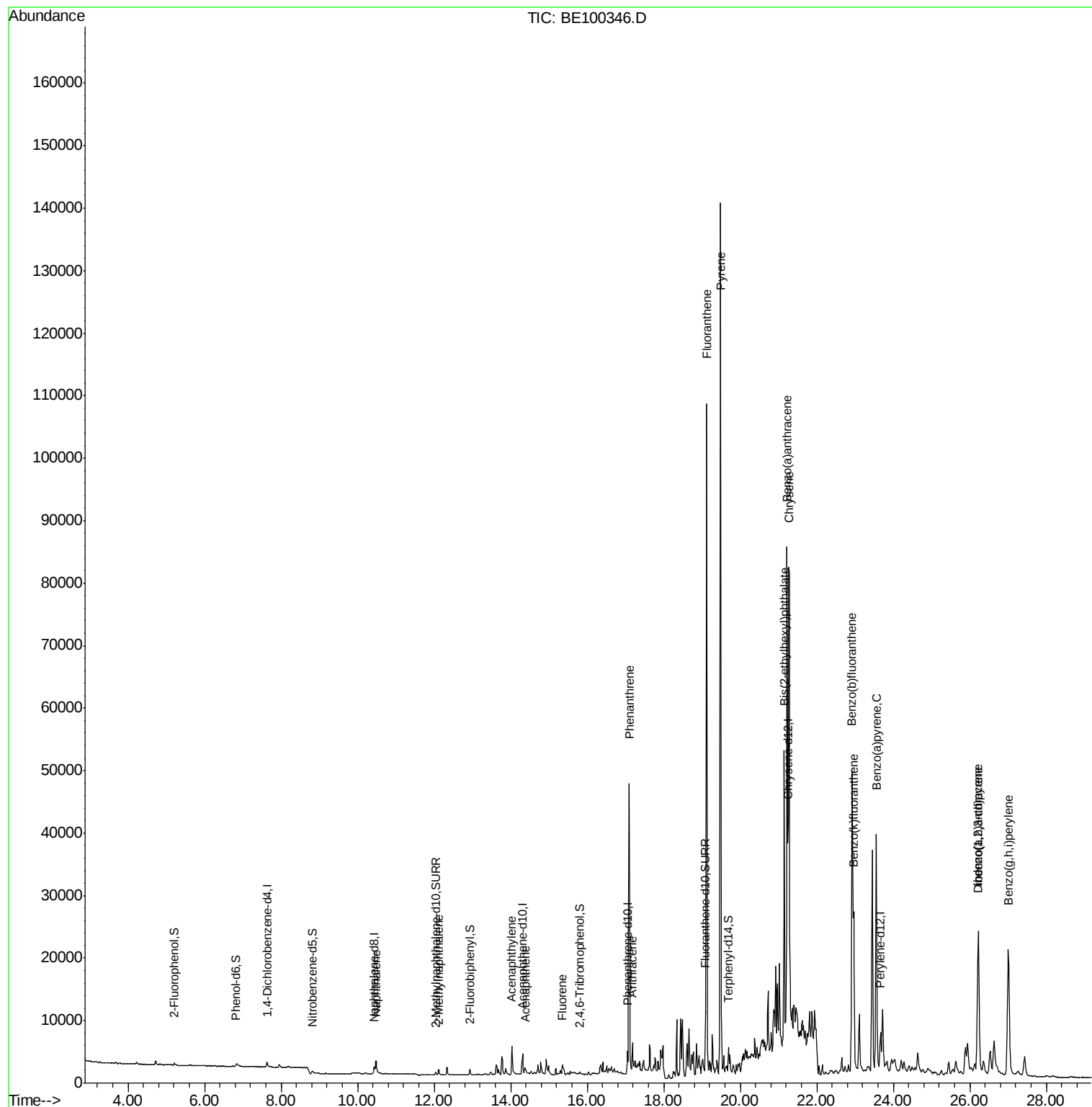
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100346.D
Acq On : 4 Jul 2019 1:47
Operator : JU/SJ
Sample : K3558-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

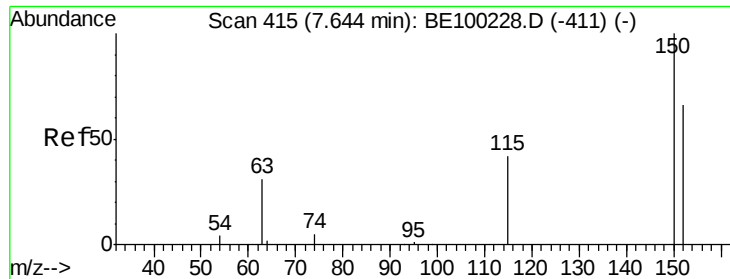
Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

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7/5/2019 8:55:06 AM

Quant Time: Jul 04 02:43:57 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

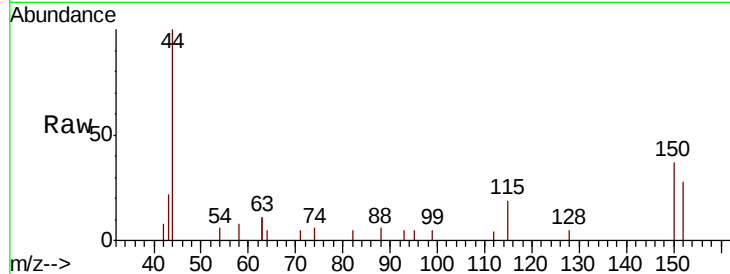
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.5	114.5	171.7
115	69.8	57.1	85.7

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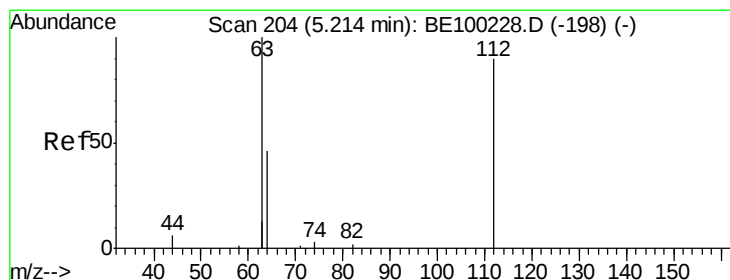
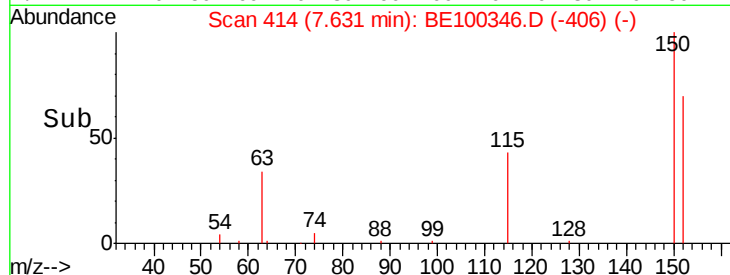
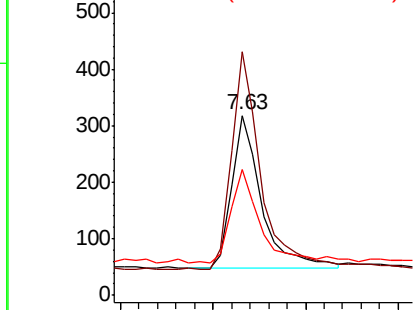


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

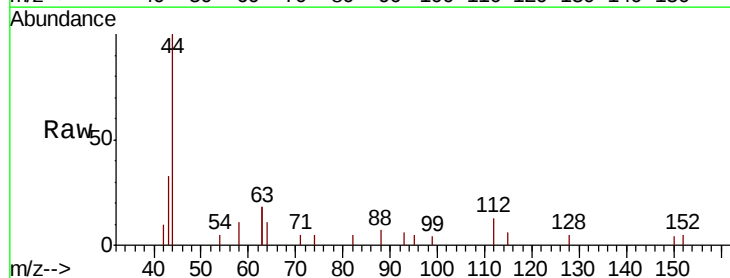
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.198 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	39.4	59.0#
63	204.9	104.5	156.7#

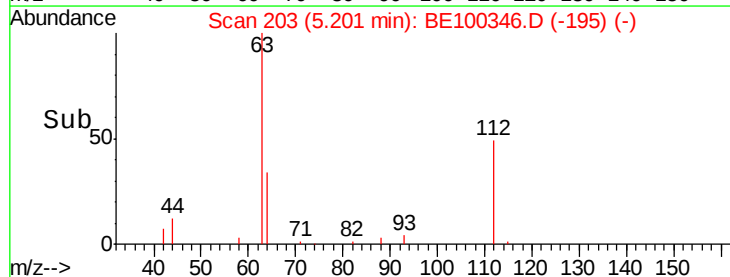
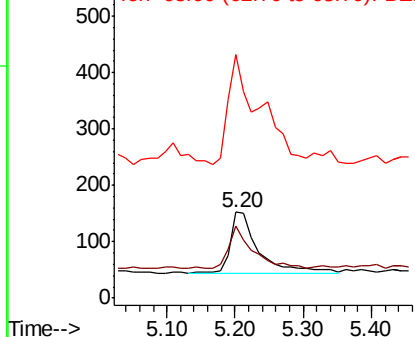


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.197 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Instrument :

BNA_E

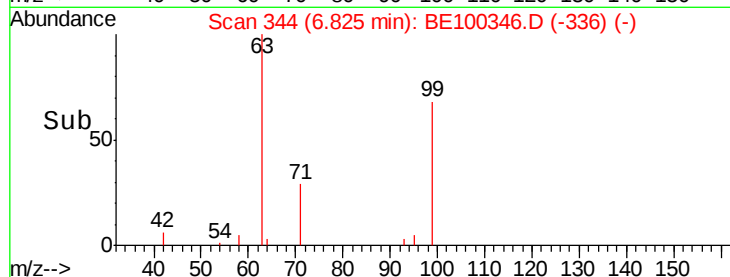
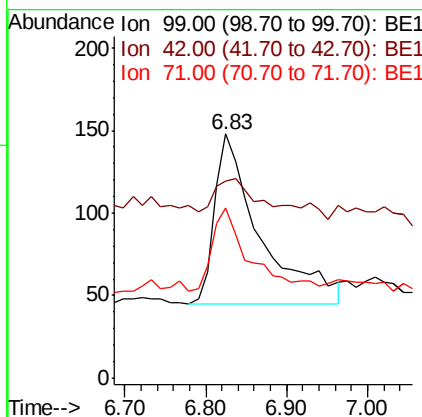
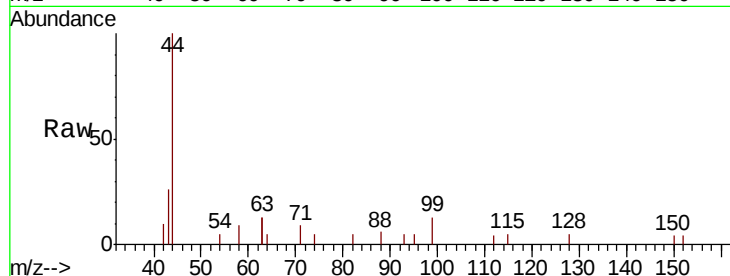
ClientSampleId :

EXT-032-SW173-062519

Tot Ion:	99	Resp:	401
Ion	Ratio	Lower	Upper
99	100		
42	28.7	11.2	16.8#
71	39.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

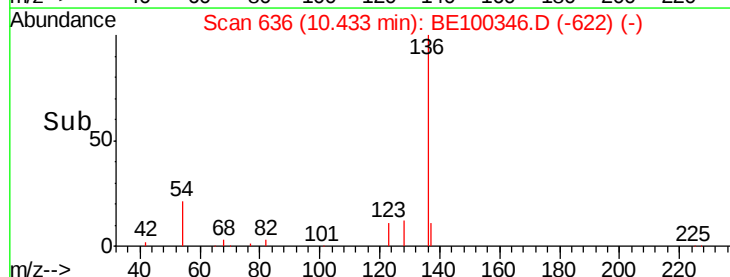
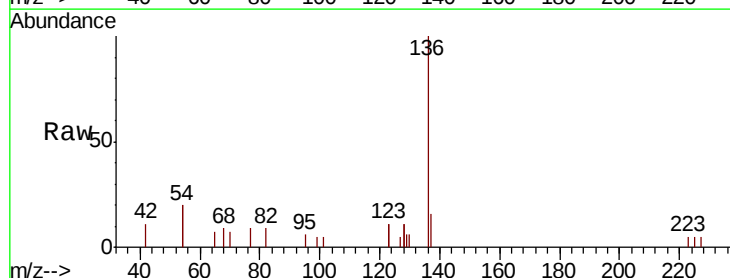
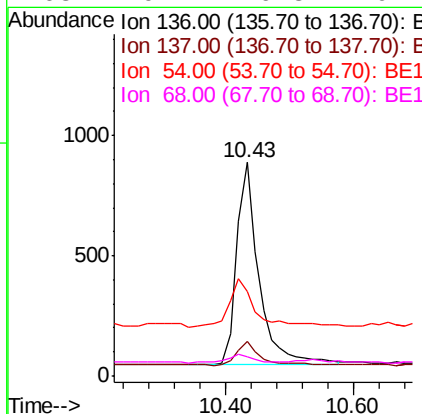
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Tgt Ion:	136	Resp:	2048
Ion	Ratio	Lower	Upper
136	100		
137	15.9	11.8	17.8
54	39.8	27.7	41.5
68	9.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.176 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Instrument :

BNA_E

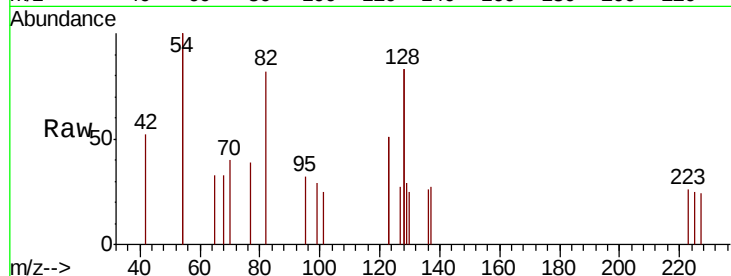
ClientSampleId :

EXT-032-SW173-062519

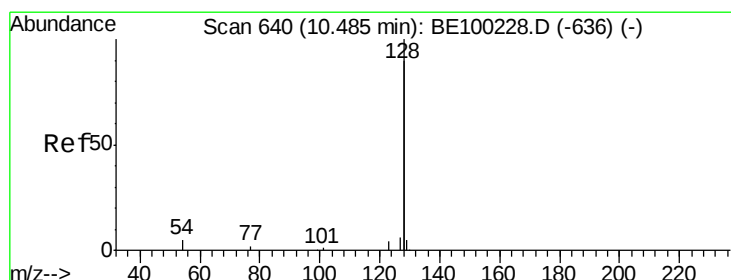
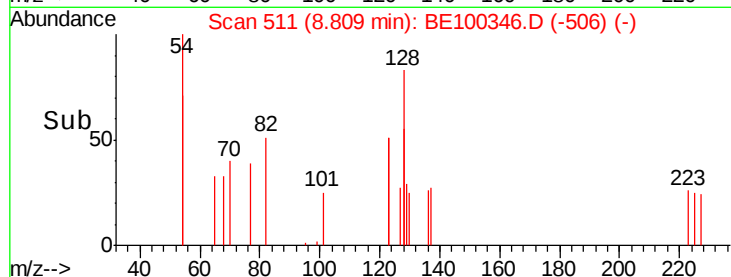
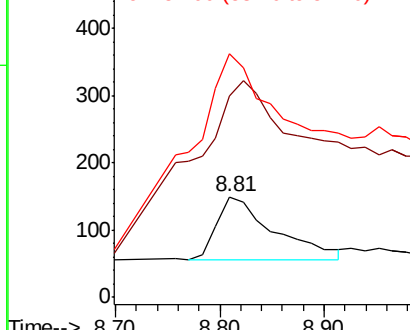
Tot Ion:	82	Resp:	358
Ion	Ratio	Lower	Upper
82	100		
128	201.3	140.9	211.3
54	243.0	146.2	219.2#

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.209 ng

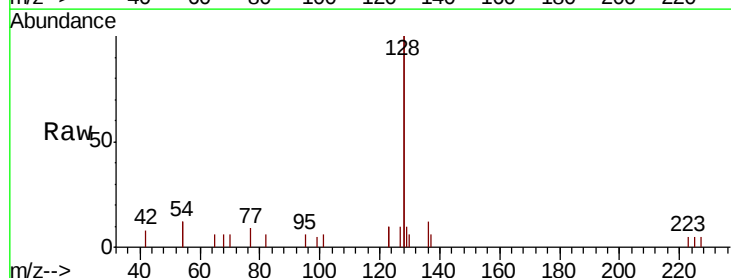
RT: 10.49 min Scan# 640

Delta R.T. 0.00 min

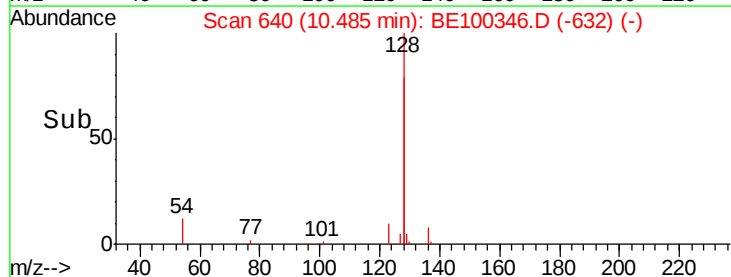
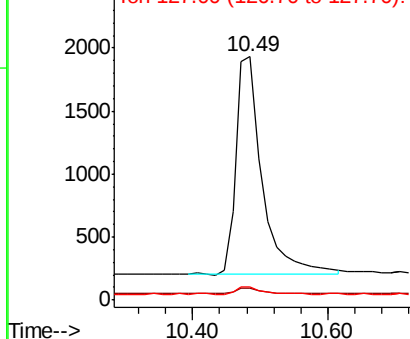
Lab File: BE100346.D

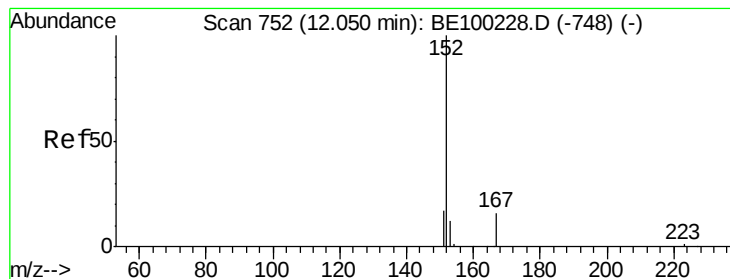
Acq: 4 Jul 2019 1:47

Tgt Ion:	128	Resp:	4731
Ion	Ratio	Lower	Upper
128	100		
129	5.0	3.0	4.6#
127	5.2	3.5	5.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





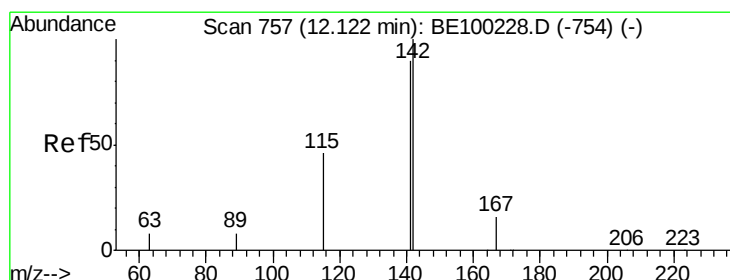
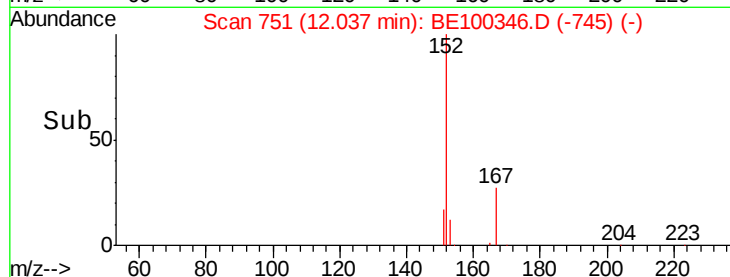
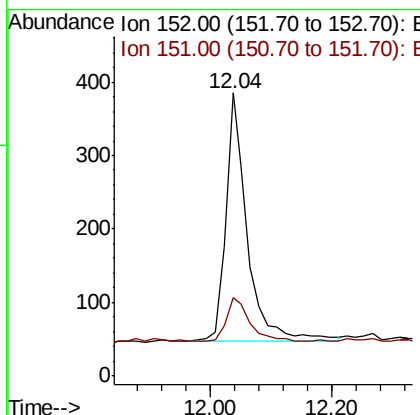
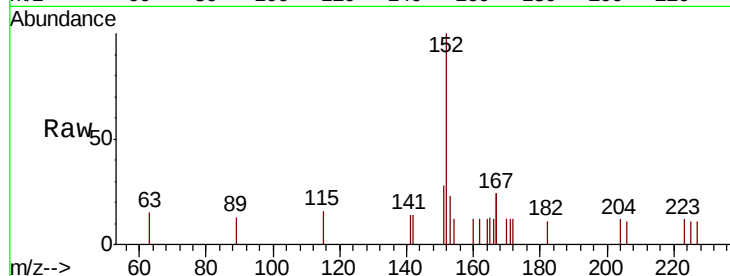
#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion:152 Resp: 822
Ion Ratio Lower Upper
152 100
151 19.5 15.1 22.7

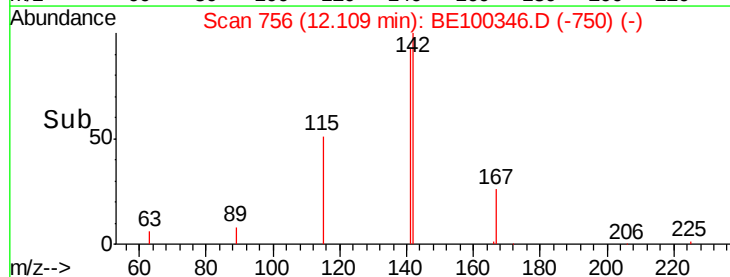
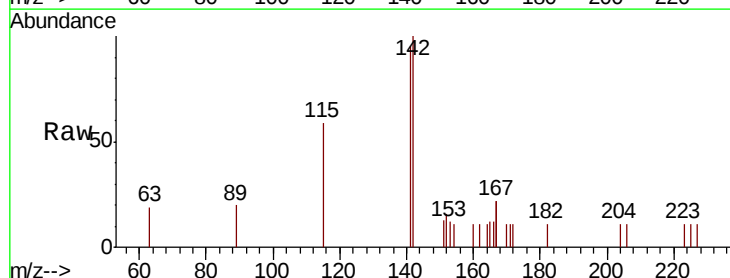
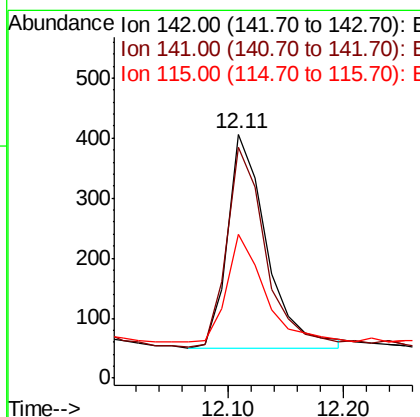
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#12
2-Methylnaphthalene
Concen: 0.213 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion:142 Resp: 846
Ion Ratio Lower Upper
142 100
141 94.6 72.4 108.6
115 58.9 40.4 60.6





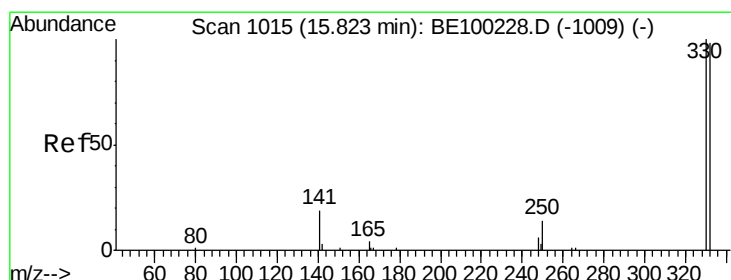
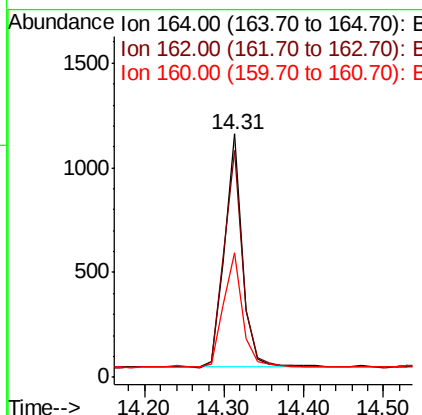
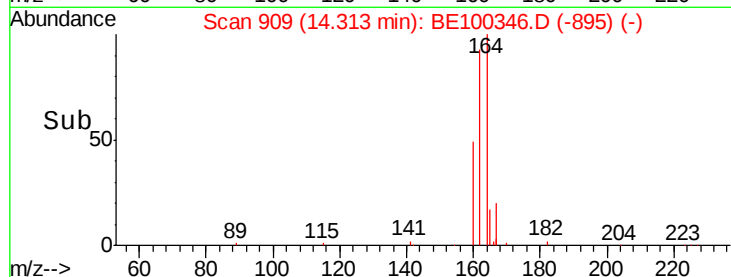
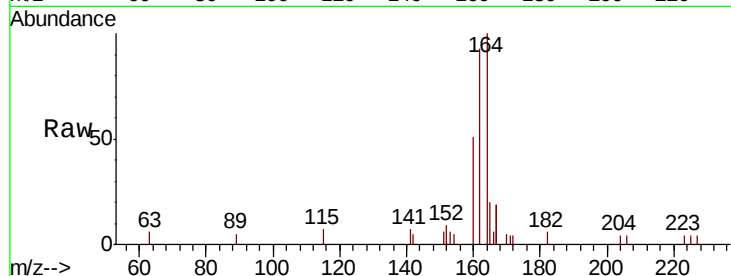
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.0	83.4	125.0
160	51.2	45.0	67.6

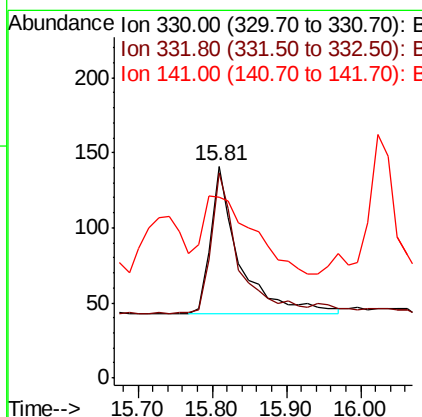
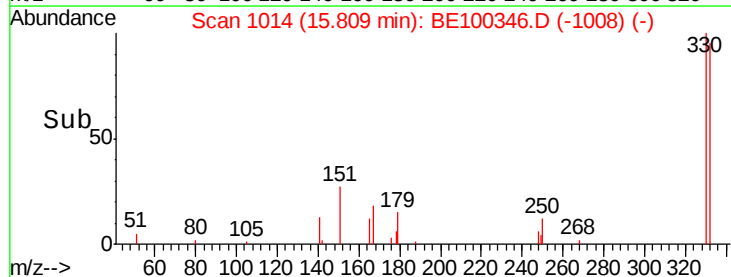
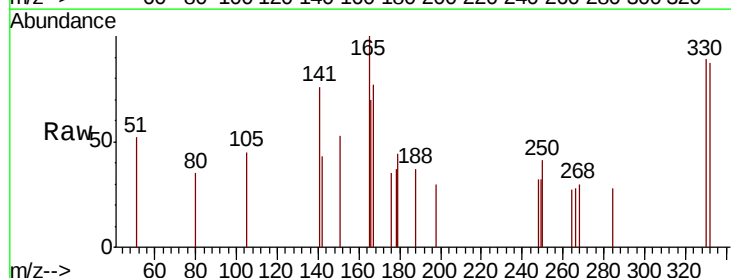
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#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	87.8	77.0	115.4
141	93.9	22.0	33.0#





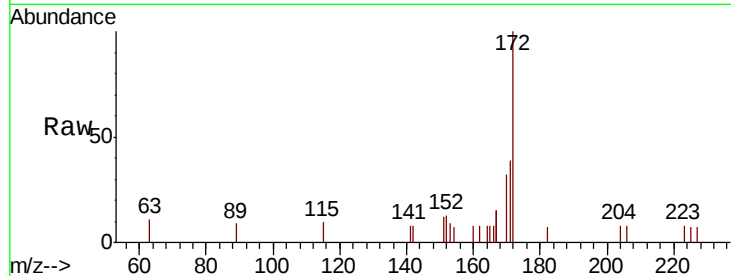
#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.9	47.9
170	32.3	22.2	33.2

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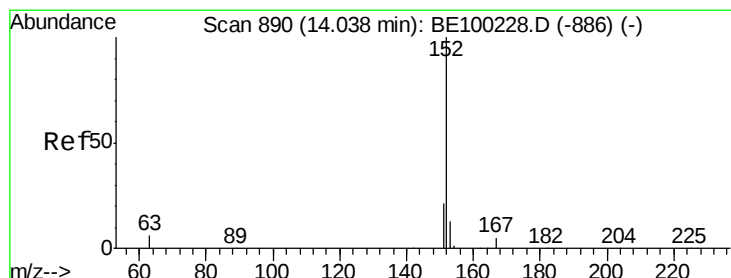
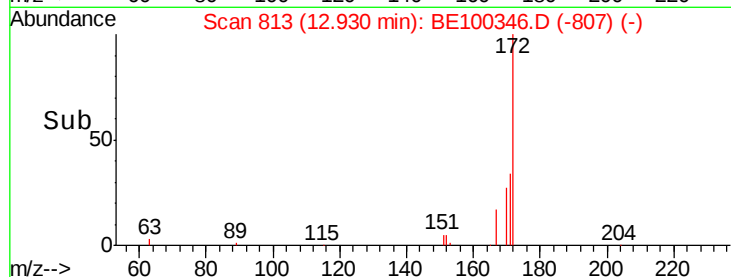
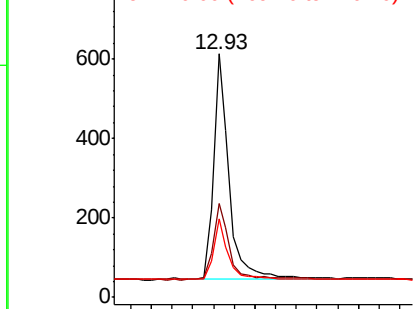


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.858 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

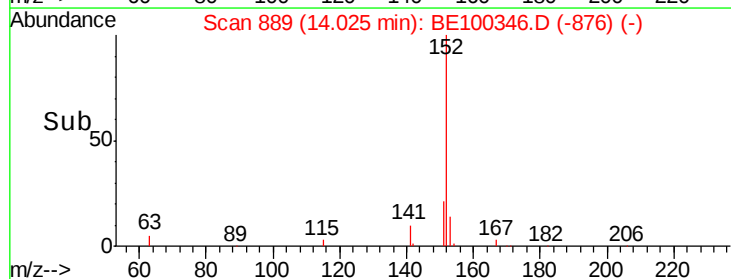
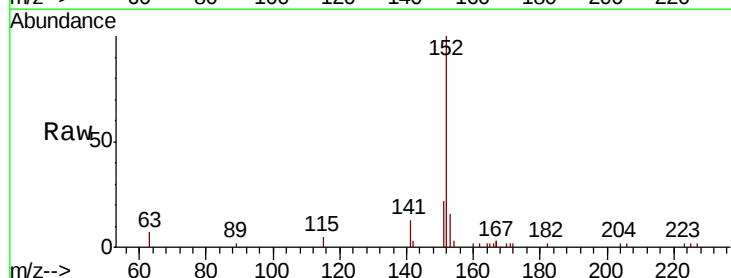
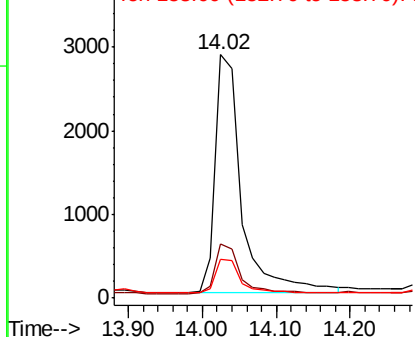
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.4	10.5	15.7

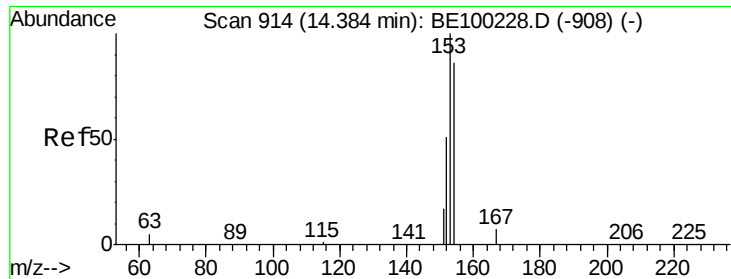
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





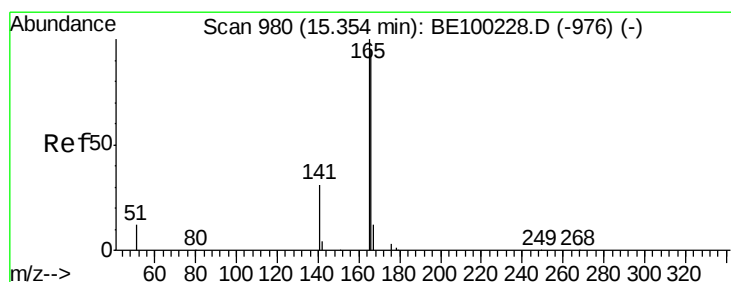
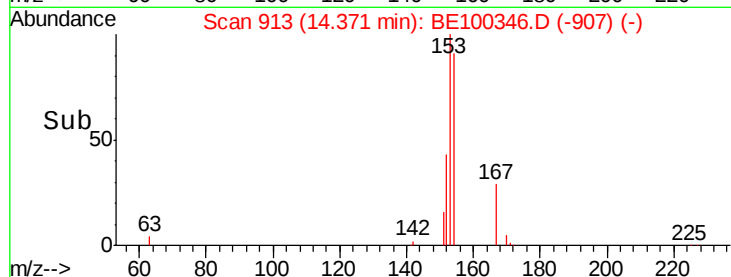
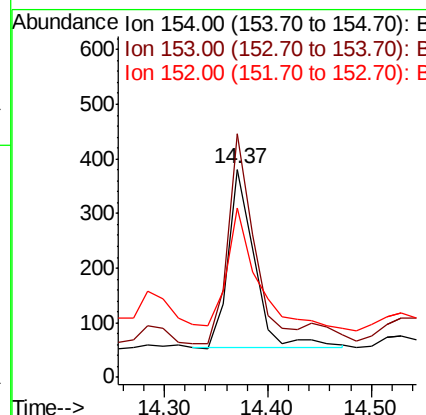
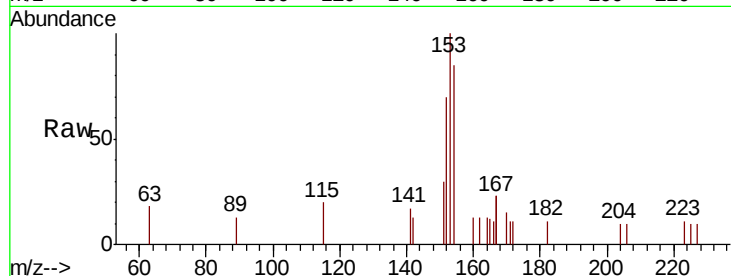
#17
Acenaphthene
Concen: 0.120 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.5	93.4	140.2
152	77.5	49.4	74.2#

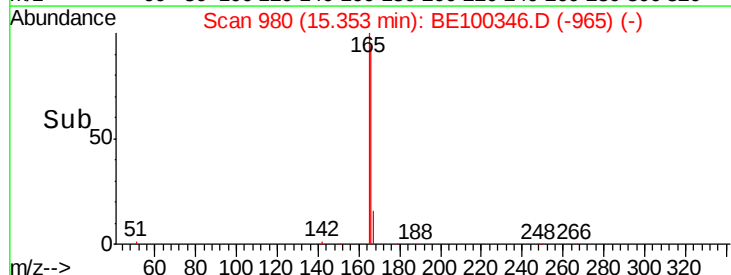
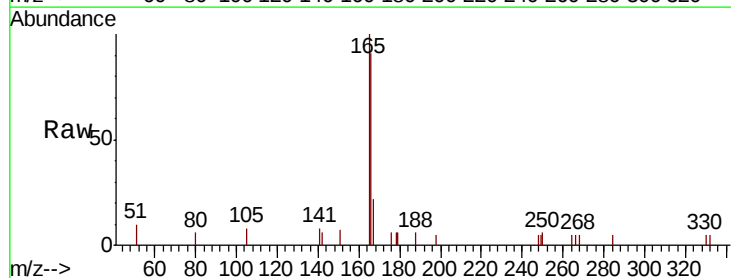
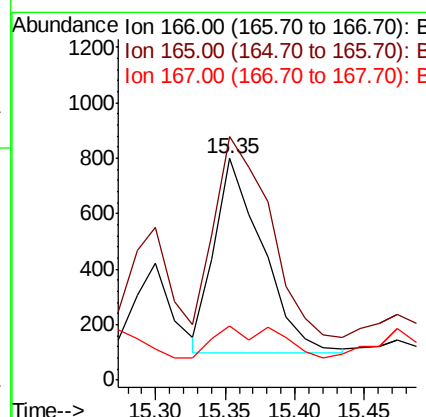
Manual Integrations
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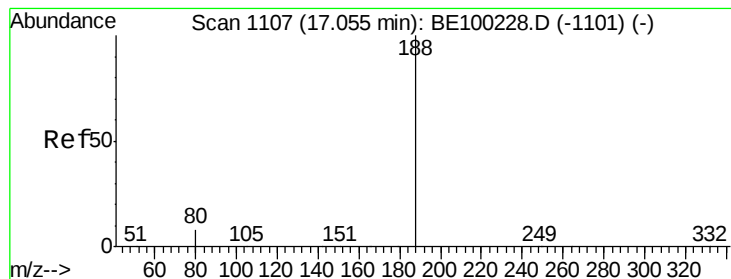
mohammad
7/5/2019 8:55:06 AM



#18
Fluorene
Concen: 0.240 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.6	81.1	121.7
167	22.5	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Instrument :

BNA_E

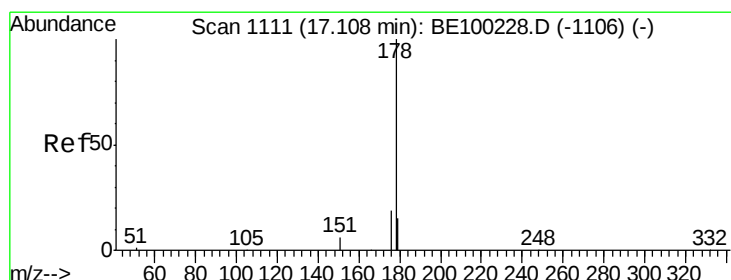
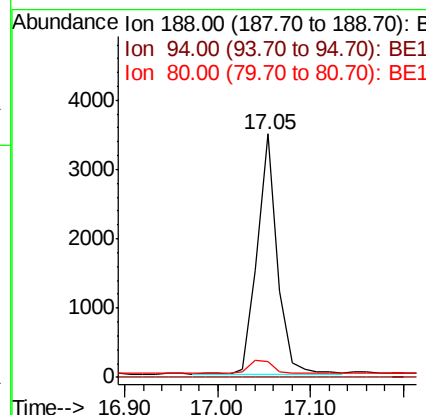
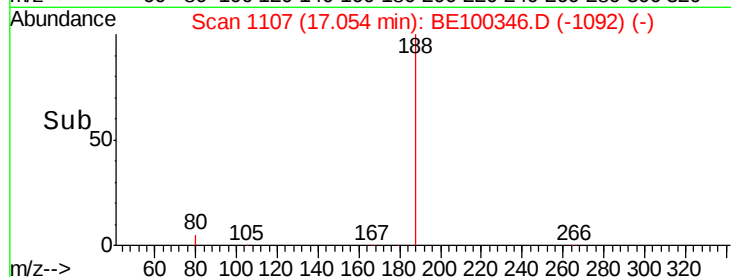
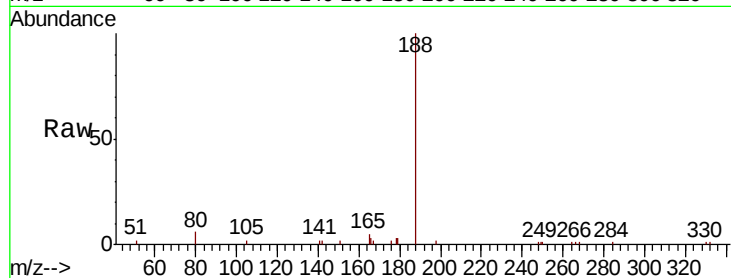
ClientSampleId :

EXT-032-SW173-062519

Tot Ion:	188	Resp:	5247
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.4	7.6	11.4#

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#23

Phenanthrene

Concen: 3.785 ng

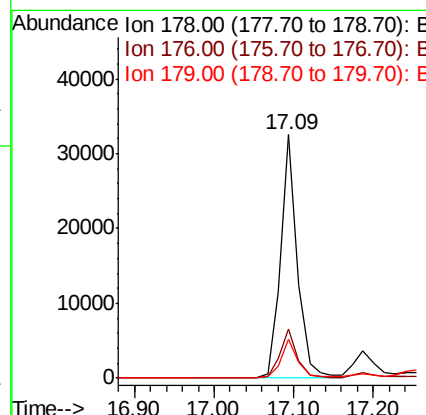
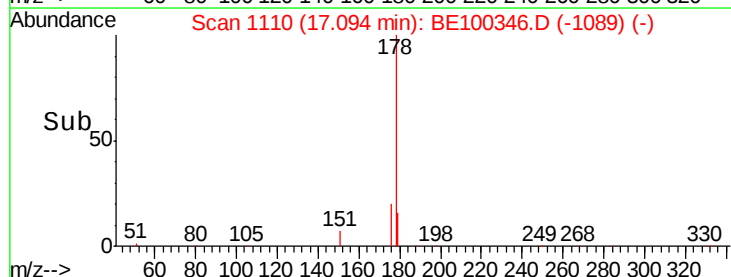
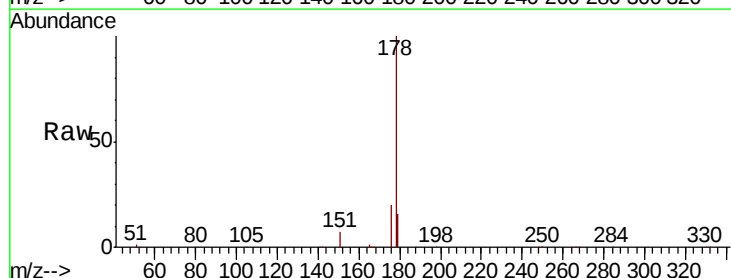
RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Tgt Ion:	178	Resp:	48137
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	15.8	12.2	18.2





#24

Anthracene

Concen: 0.504 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Instrument :

BNA_E

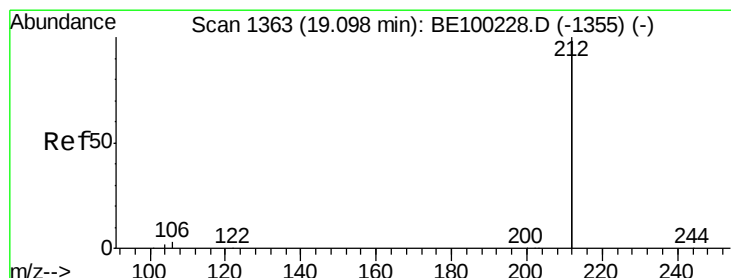
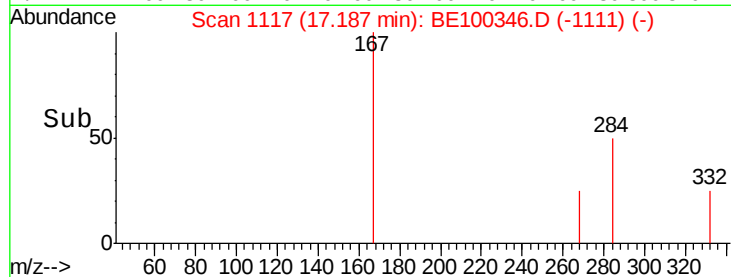
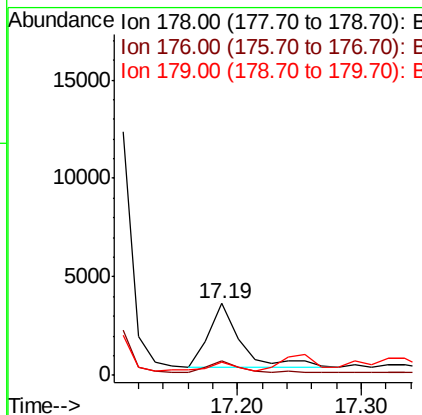
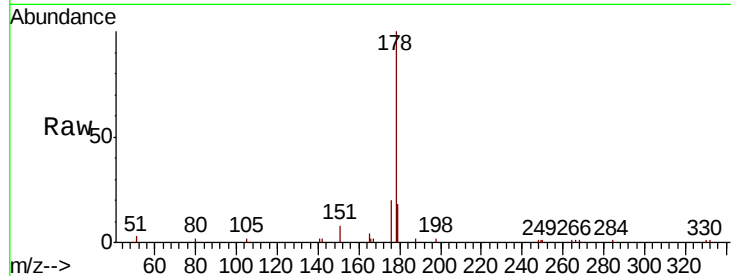
ClientSampleId :

EXT-032-SW173-062519

Tot Ion:	178	Resp:	5770
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	10.1	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.171 ng

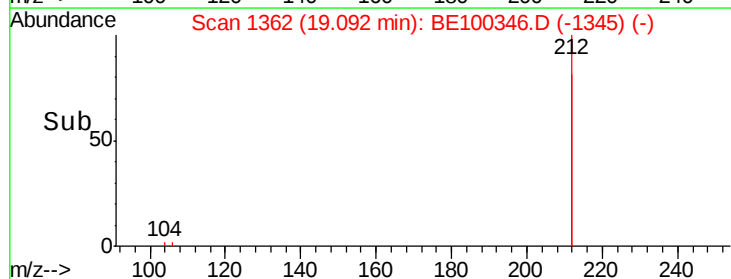
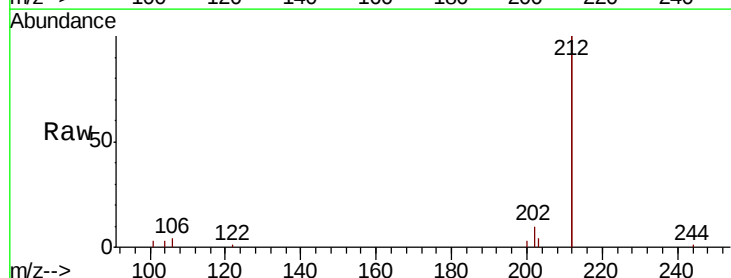
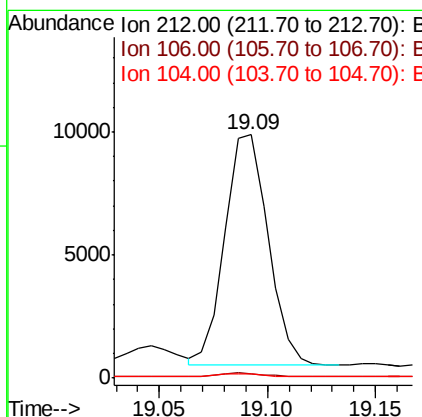
RT: 19.09 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Tgt Ion:	212	Resp:	12995
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	1.1	0.8	1.2





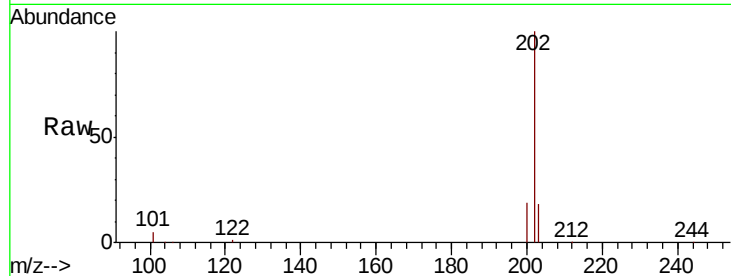
#26
Fluoranthene
Concen: 4.908 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	4.6	7.0
203	17.8	13.7	20.5

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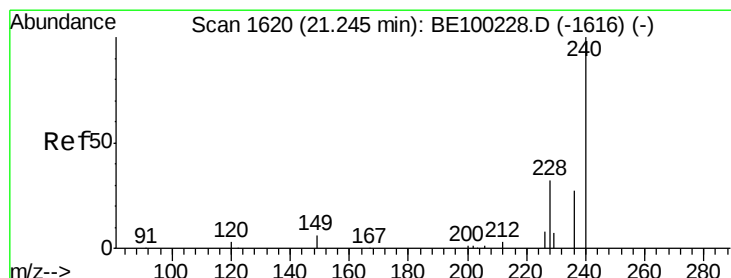
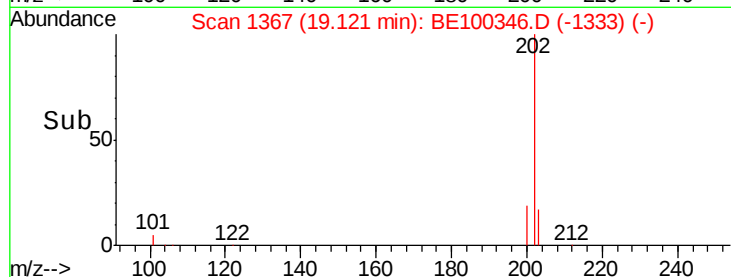
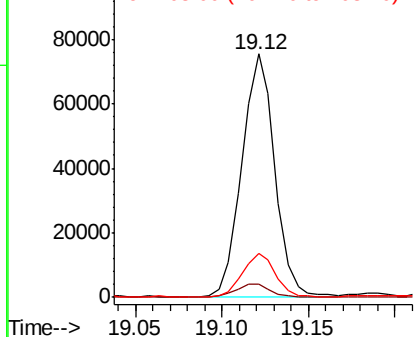


Abundance

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: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

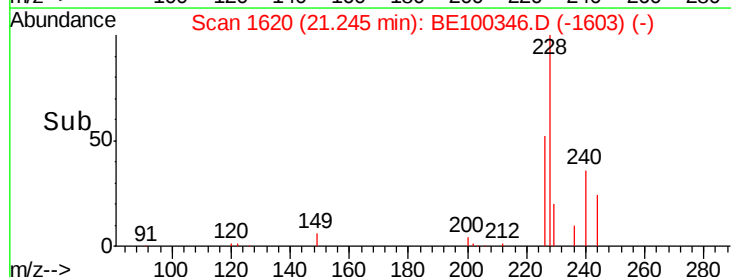
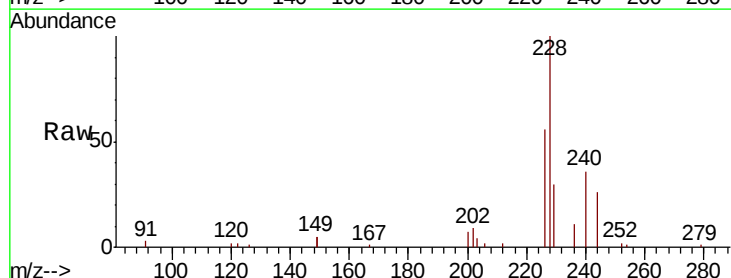
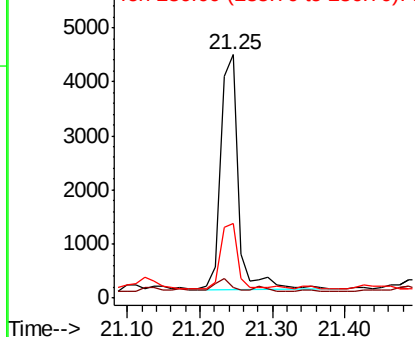
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.3	4.9
236	30.5	22.6	34.0

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





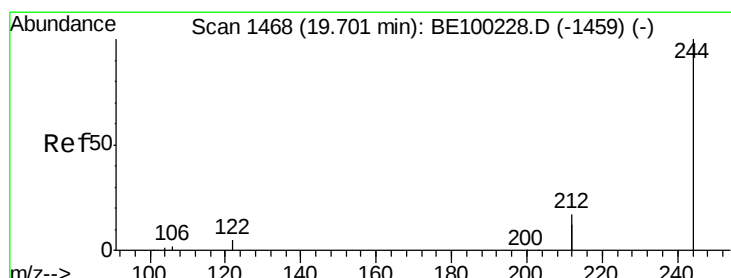
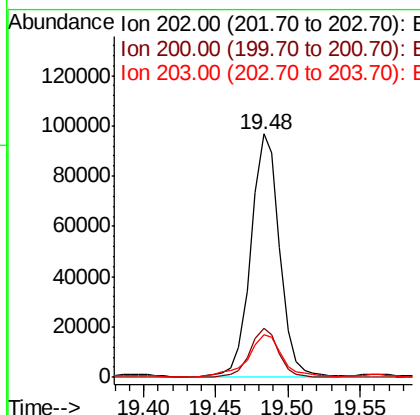
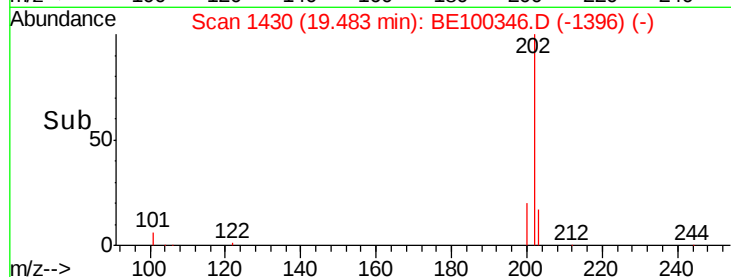
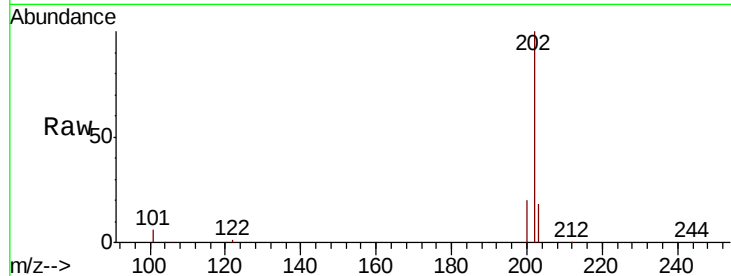
#28
Pvrene
Concen: 6.710 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.6	23.4
203	20.4	14.0	21.0

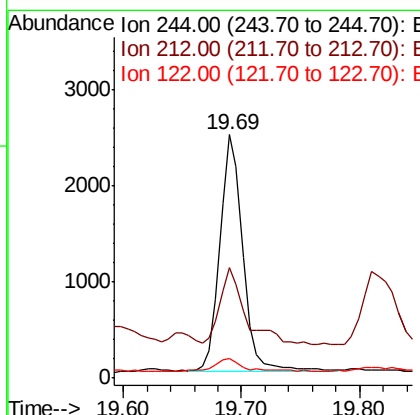
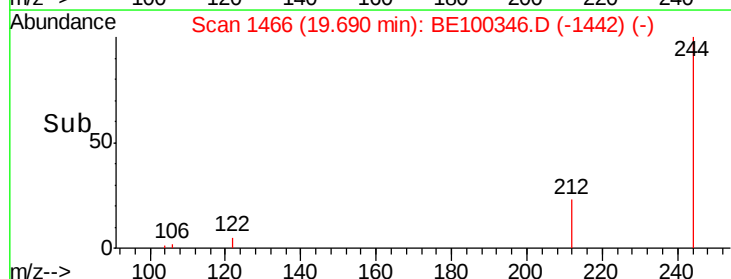
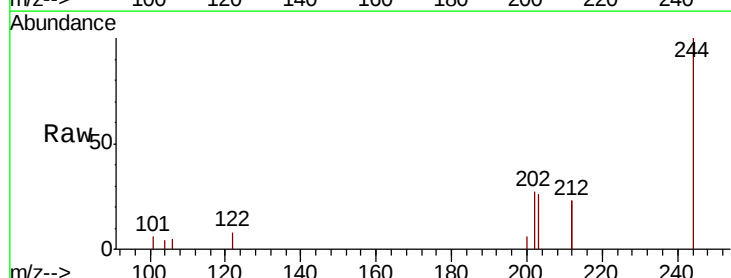
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#29
Terphenyl-d14
Concen: 0.207 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	45.3	27.3	40.9#
122	7.8	4.7	7.1#





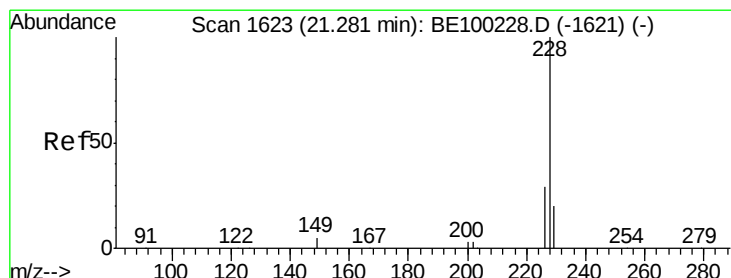
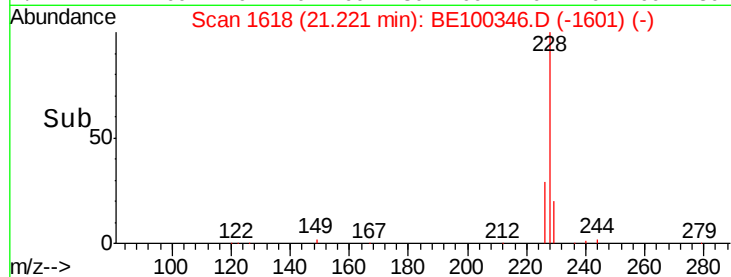
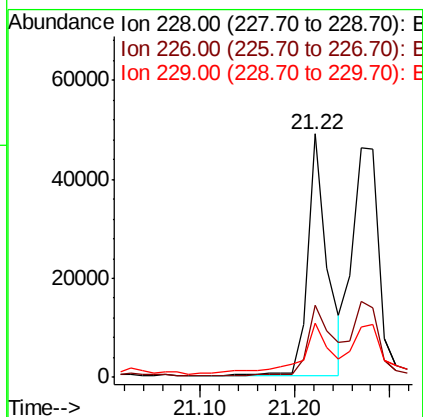
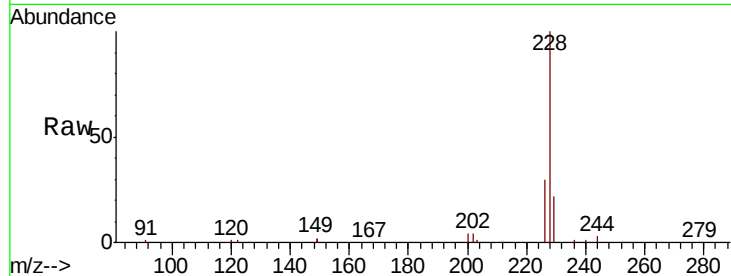
#30
Benzo(a)anthracene
Concen: 2.789 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	22.5	15.7	23.5

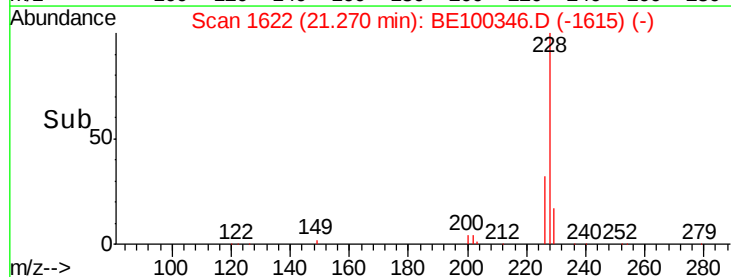
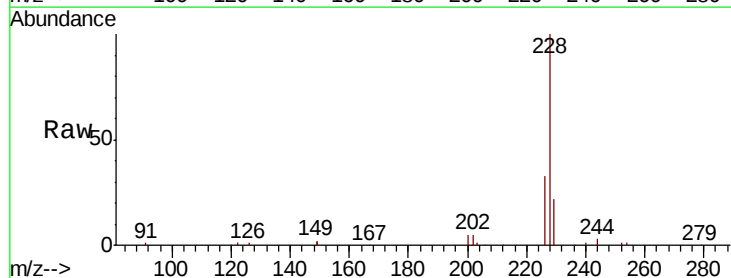
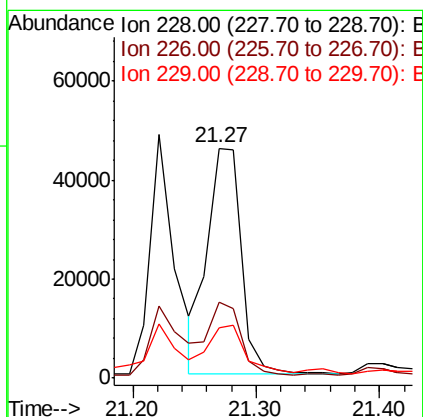
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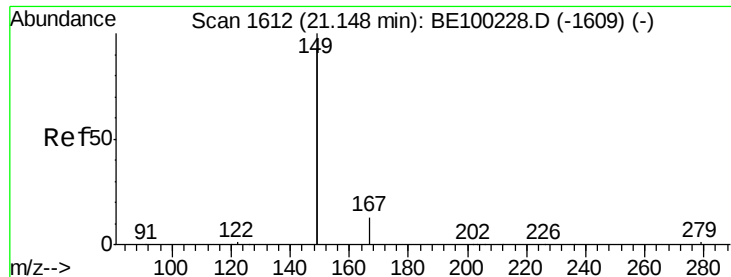
mohammad
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#31
Chrysene
Concen: 3.501 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.9	35.9
229	22.0	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.258 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Instrument :

BNA_E

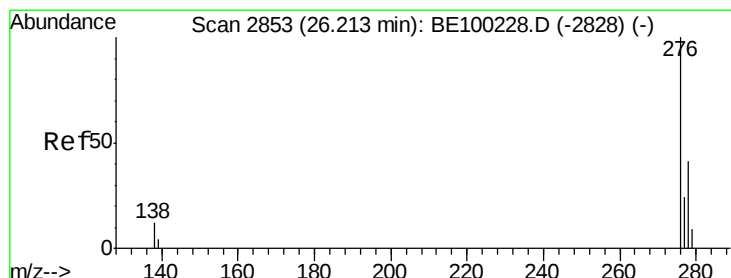
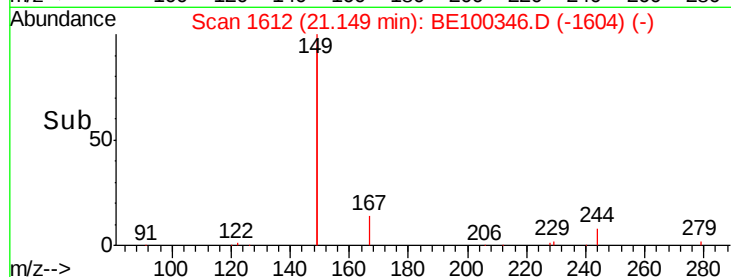
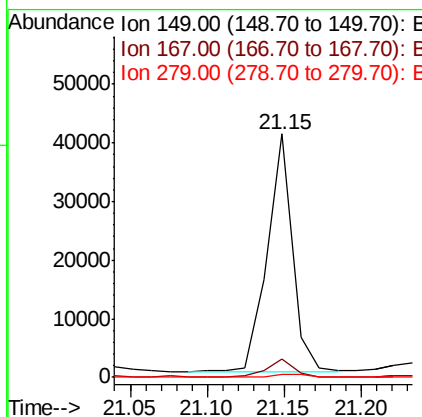
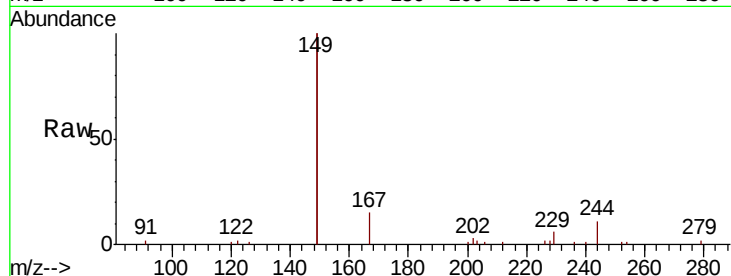
ClientSampleId :

EXT-032-SW173-062519

Tot Ion:	149	Resp:	46365
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.8	8.8
279	1.3	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.382 ng

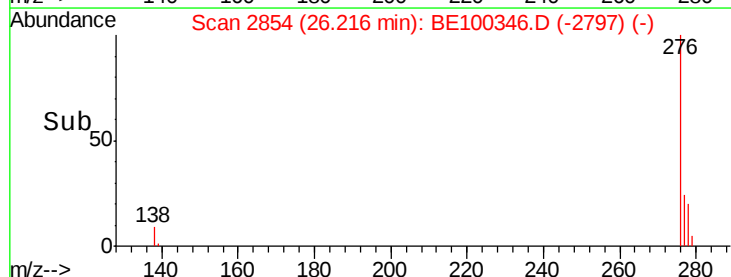
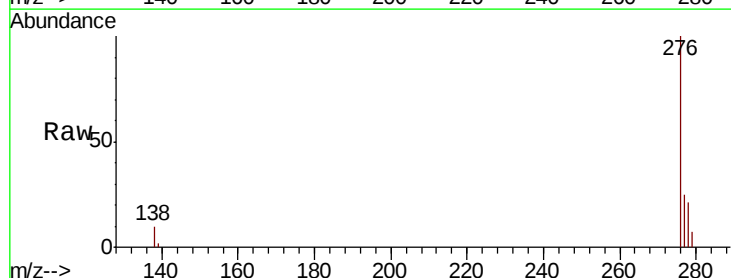
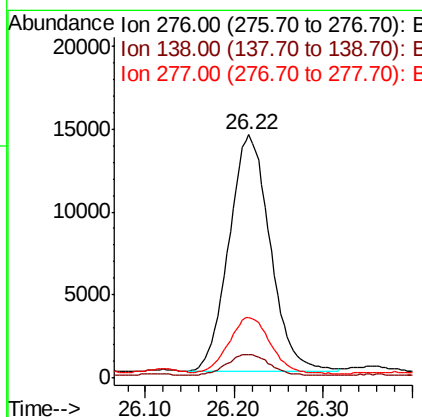
RT: 26.22 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE100346.D

Acq: 4 Jul 2019 1:47

Tgt Ion:	276	Resp:	45763
Ion Ratio	Lower	Upper	
276	100		
138	9.3	9.4	14.0#
277	23.9	19.2	28.8





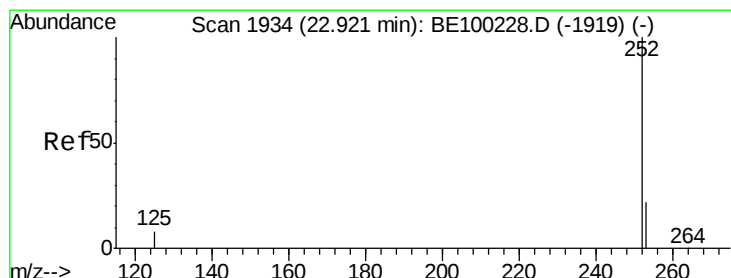
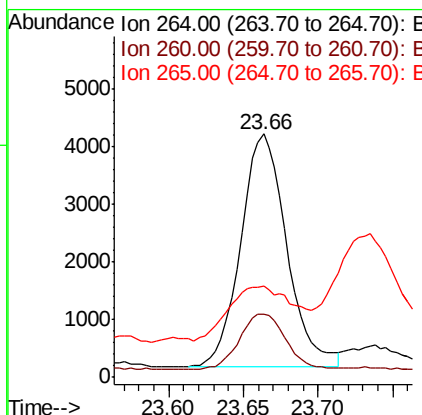
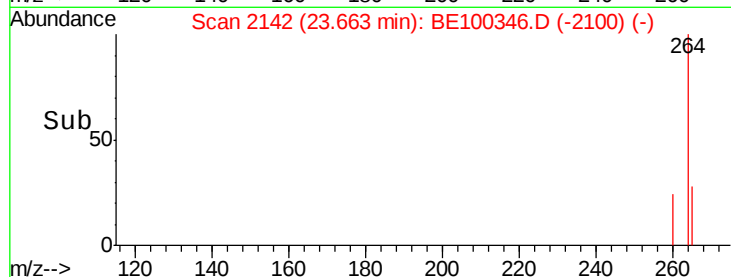
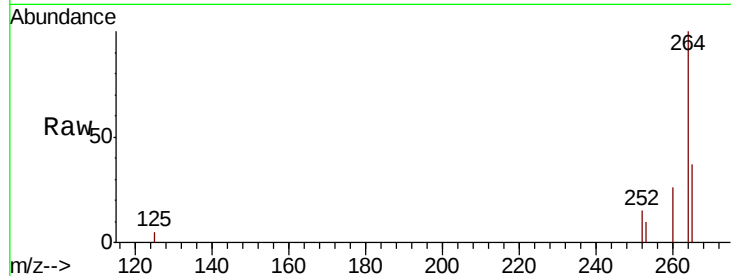
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.8	31.2
265	37.4	21.8	32.6

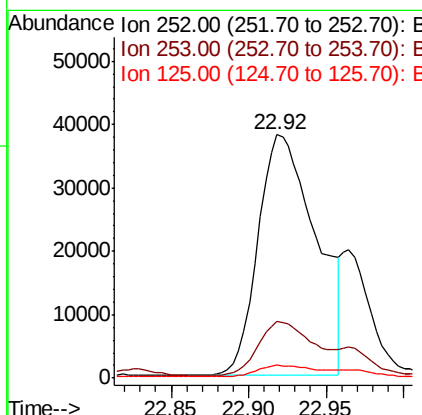
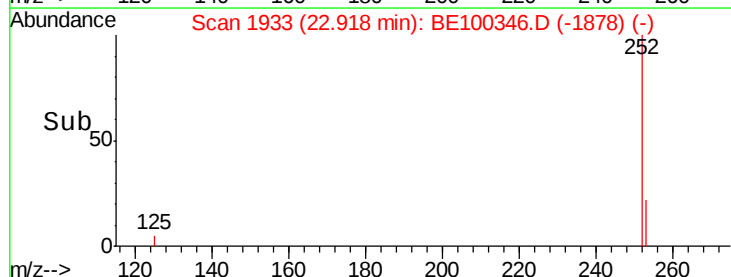
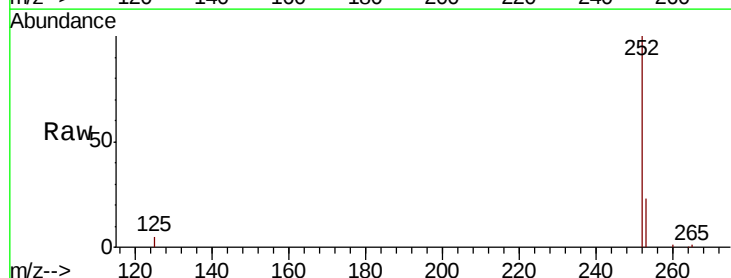
Manual Integrations
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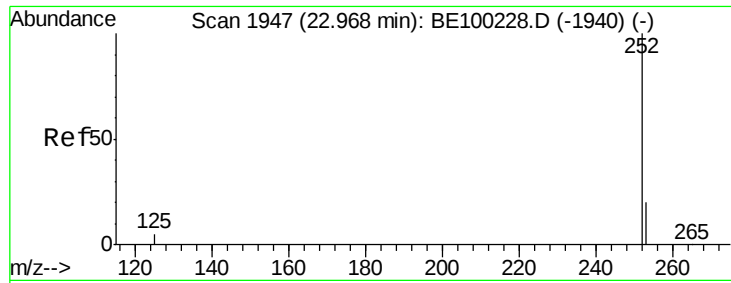
mohammad
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#35
Benzo(b)fluoranthene
Concen: 4.183 ng
RT: 22.92 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

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





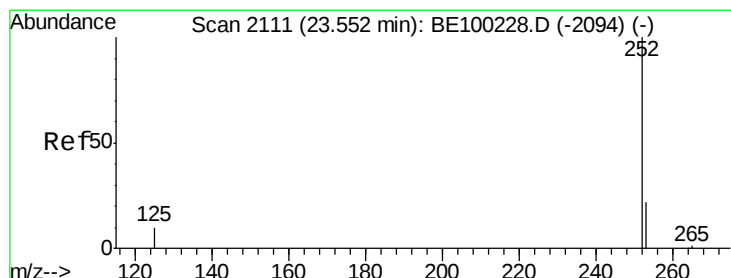
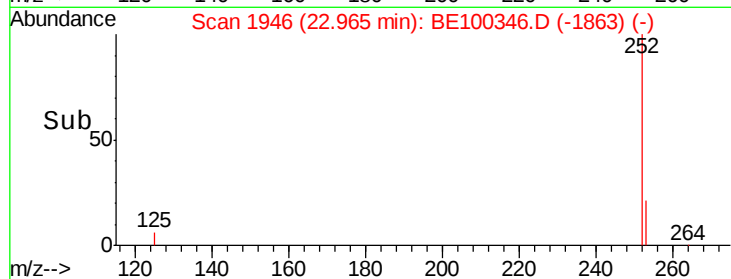
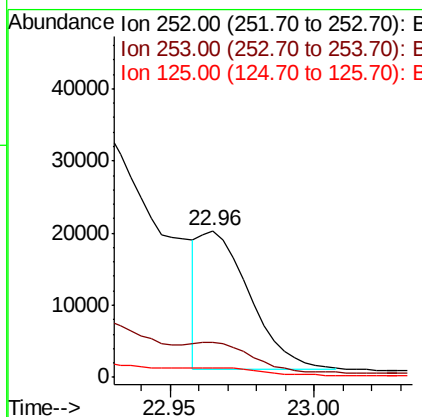
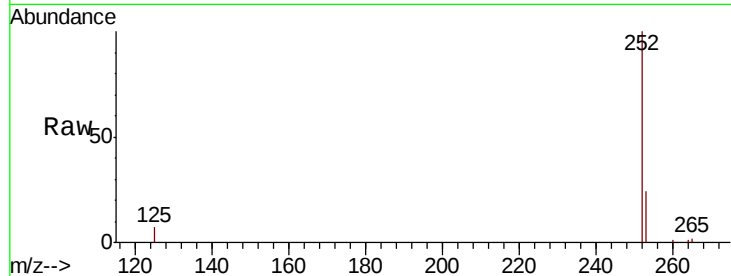
#36
Benzo(k)fluoranthene
Concen: 0.885 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	6.8	5.0	7.4

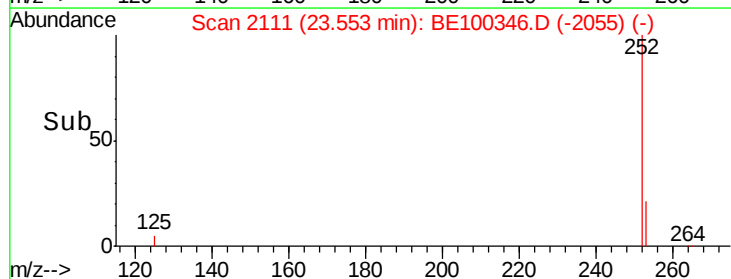
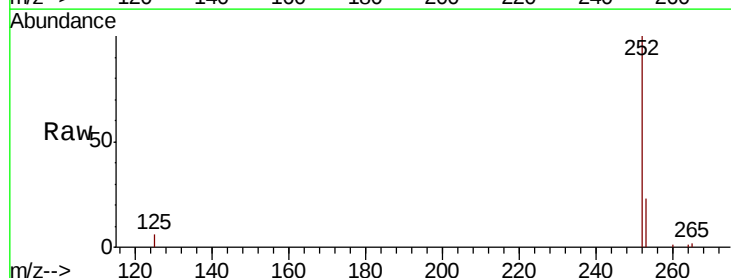
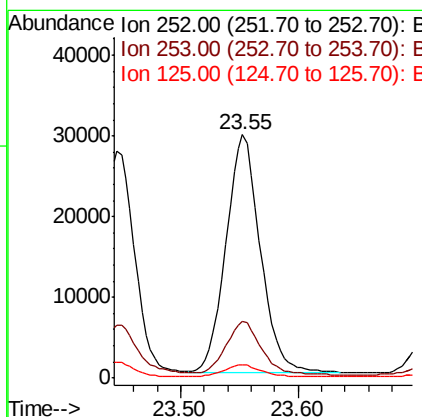
Manual Integrations
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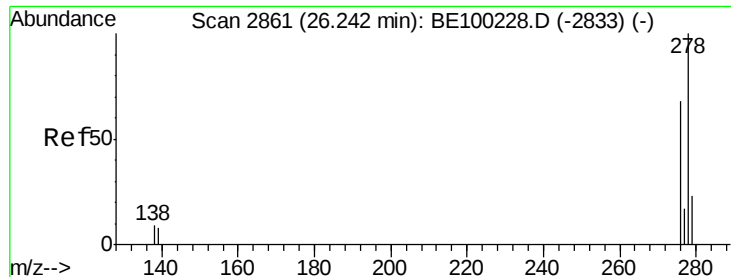
mohammad
7/5/2019 8:55:06 AM



#37
Benzo(a)pyrene
Concen: 2.530 ng m
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.6	29.4
125	5.5	9.0	13.6





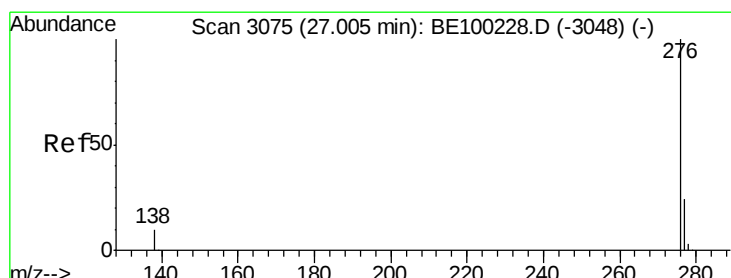
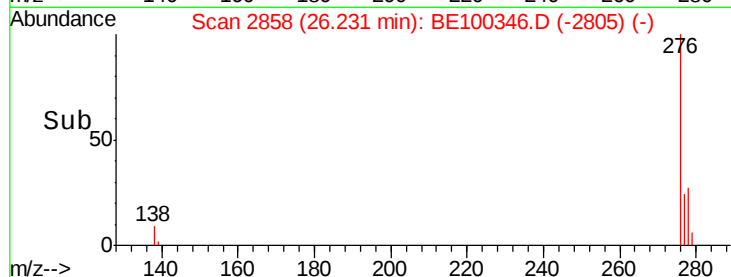
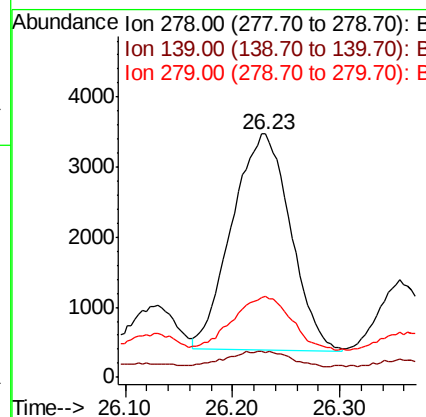
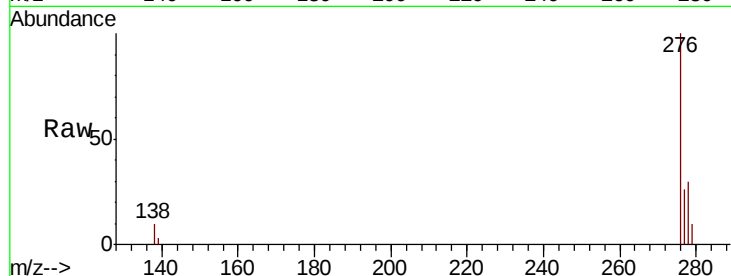
#38
Dibenzo(a,h)anthracene
Concen: 0.475 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW173-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.3	8.2	12.2
279	33.4	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/5/2019 8:55:06 AM



#39
Benzo(g,h,i)perylene
Concen: 2.080 ng
RT: 27.00 min Scan# 3075
Delta R.T. -0.00 min
Lab File: BE100346.D
Acq: 4 Jul 2019 1:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	10.0	9.0	13.6

