

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092619\
 Data File : BE100568.D
 Acq On : 26 Sep 2019 14:51
 Operator : JU
 Sample : K4995-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW168-091819-1DL

Manual Integrations
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 9/27/2019 1:46:16 PM

Quant Time: Sep 26 15:49:47 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Sep 26 15:18:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	7883	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	36700	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	19545	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	37643	0.40	ng	0.00
27) Chrysene-d12	21.37	240	39737	0.40	ng	0.00
34) Perylene-d12	23.84	264	45335	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	632	0.03	ng	0.02
5) Phenol-d6	7.03	99	861	0.03	ng	0.00
8) Nitrobenzene-d5	9.00	82	640	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	1279	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	159	0.05	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	1576	0.02	ng	0.00
25) Fluoranthene-d10	19.23	212	9782	0.02	ng	0.00
29) Terphenyl-d14	19.82	244	2544	0.03	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.69	128	73396	0.193	ng	100
12) 2-Methylnaphthalene	12.31	142	13281	0.219	ng	99
16) Acenaphthylene	14.21	152	123831	1.539	ng	99
17) Acenaphthene	14.54	154	8011	0.147	ng	96
18) Fluorene	15.51	166	30289	0.446	ng	# 83
23) Phenanthrene	17.24	178	459442	4.380	ng	100
24) Anthracene	17.33	178	84710	0.960	ng	96
26) Fluoranthene	19.26	202	523392	4.138	ng	97
28) Pyrene	19.62	202	787574	6.888	ng	96
30) Benzo(a)anthracene	21.34	228	327815	3.089	ng	93
31) Chrysene	21.40	228	381679	3.156	ng	96
32) Bis(2-ethylhexyl)phthalate	21.28	149	22684	0.198	ng	99
33) Indeno(1,2,3-cd)pyrene	26.46	276	176904	1.316	ng	98
35) Benzo(b)fluoranthene	23.09	252	322050	2.626	ng	# 97
36) Benzo(k)fluoranthene	23.13	252	104620m	0.737	ng	
37) Benzo(a)pyrene	23.73	252	282457	2.468	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	50873	0.427	ng	# 84
39) Benzo(a,h,i)perylene	27.26	276	209437	1.682	ng	98

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

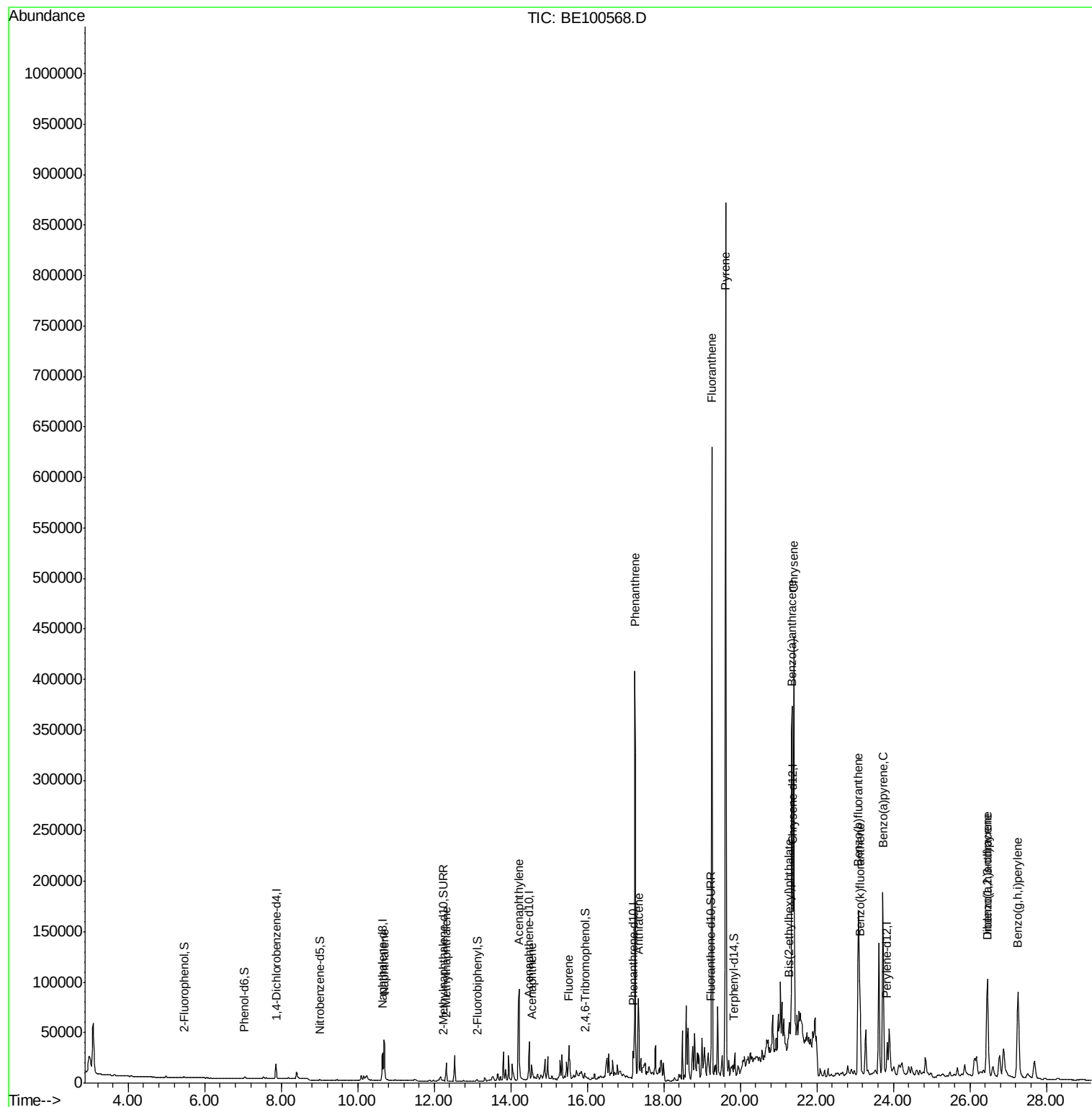
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092619\
Data File : BE100568.D
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Operator : JU
Sample : K4995-03DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

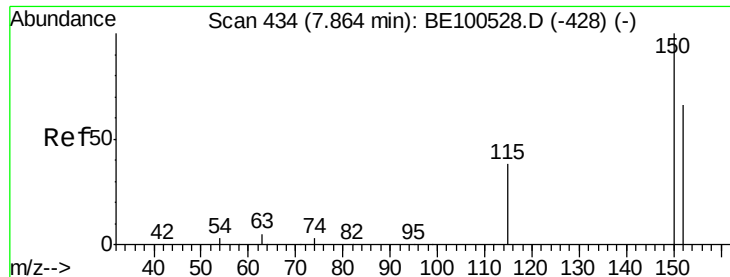
Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

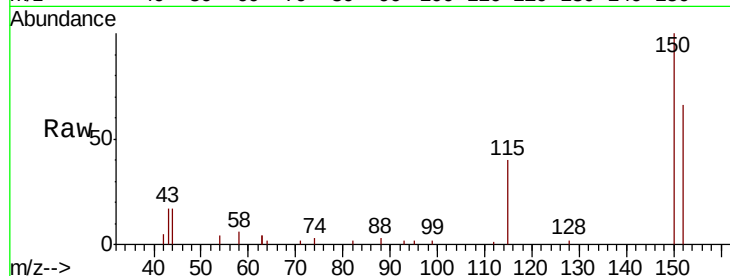
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	121.6	182.4
115	61.2	48.2	72.4

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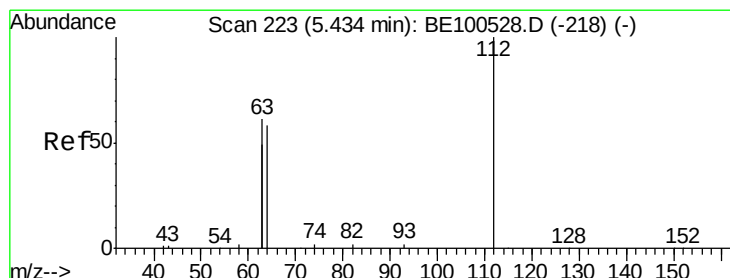
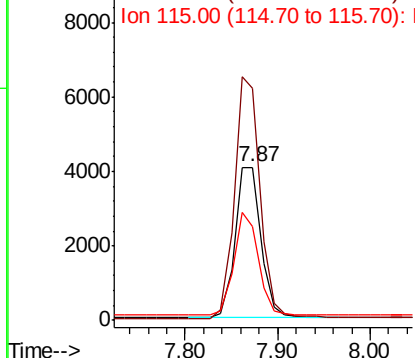
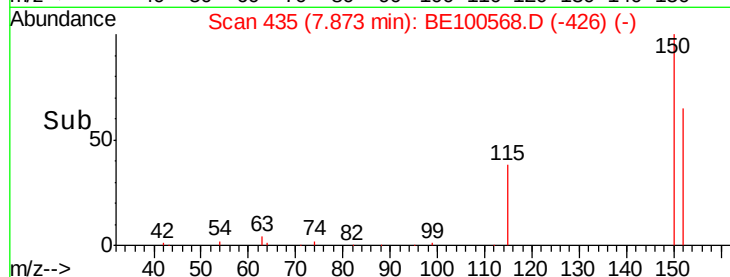


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

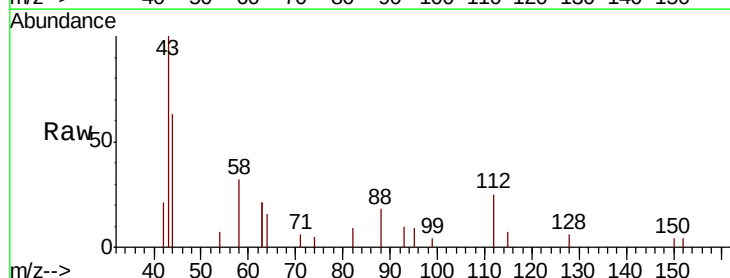
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.034 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.02 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.1	66.1
63	110.6	86.5	129.7

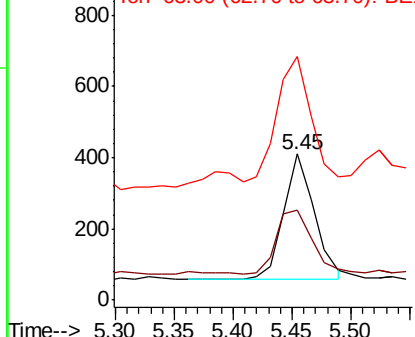
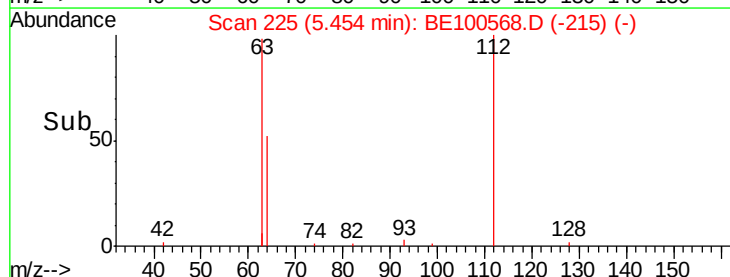


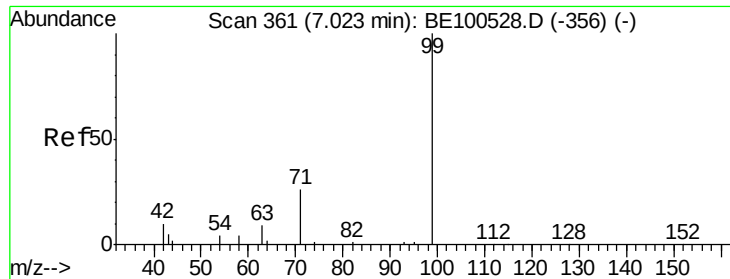
Abundance

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: 0.034 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.01 min

Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Instrument :

BNA_E

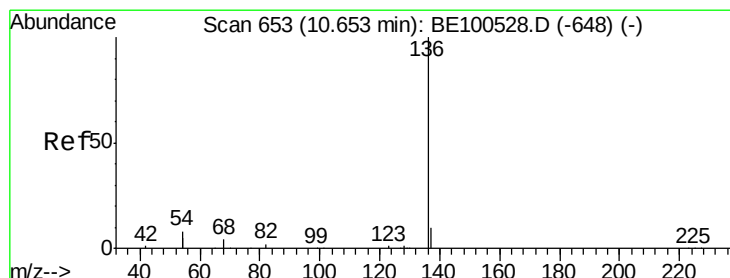
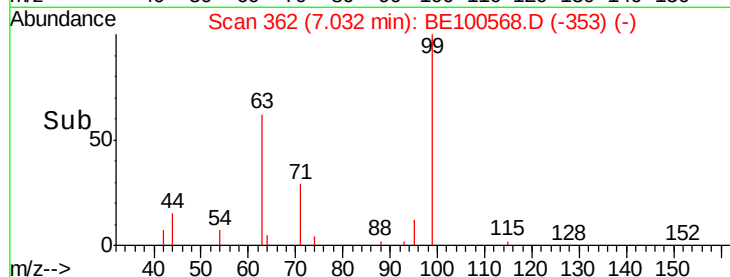
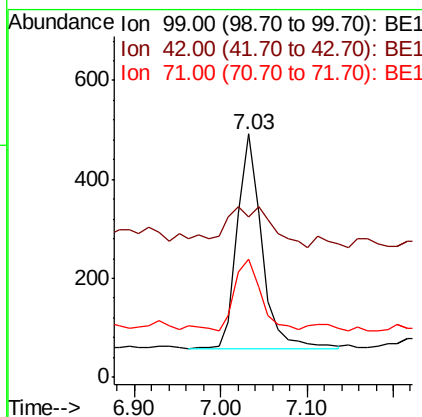
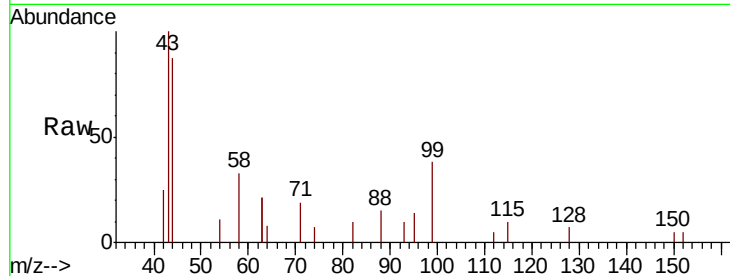
ClientSampleId :

EXT-SW168-091819-1DL

Tot Ion:	99	Resp:	861
Ion	Ratio	Lower	Upper
99	100		
42	33.7	13.0	19.6#
71	35.1	23.4	35.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

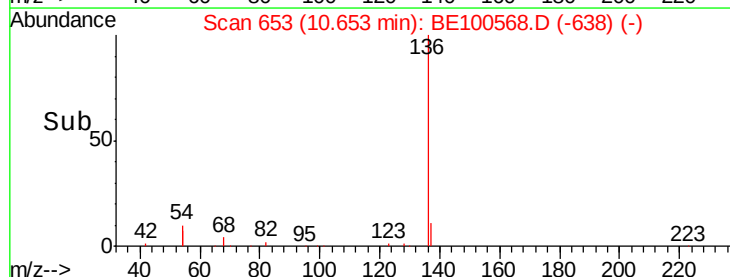
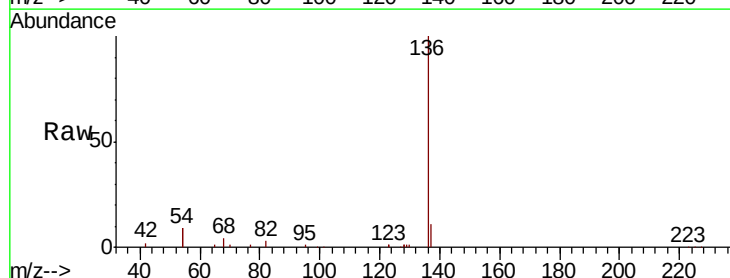
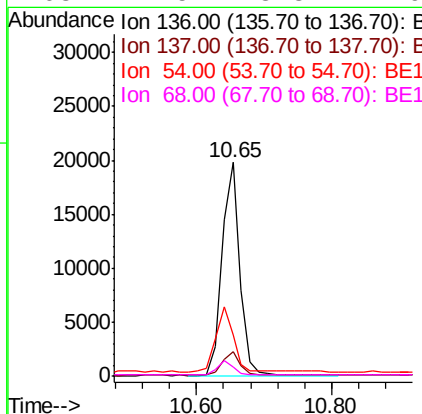
RT: 10.65 min Scan# 653

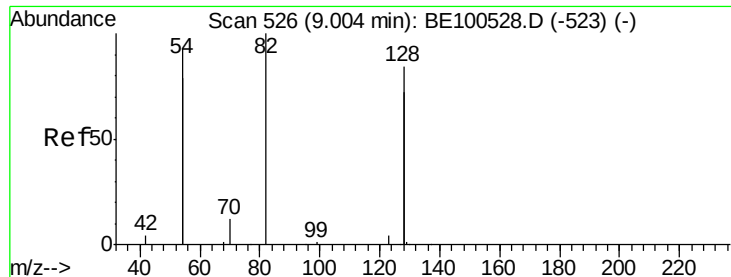
Delta R.T. 0.00 min

Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Tgt Ion:	136	Resp:	36700
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	19.0	12.4	18.6#
68	4.5	3.3	4.9





#8

Nitrobenzene-d5

Concen: 0.030 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Instrument :

BNA_E

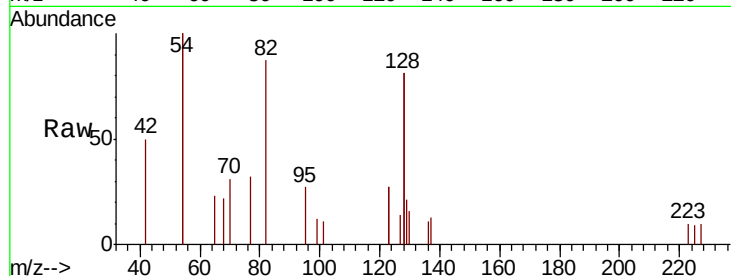
ClientSampleId :

EXT-SW168-091819-1DL

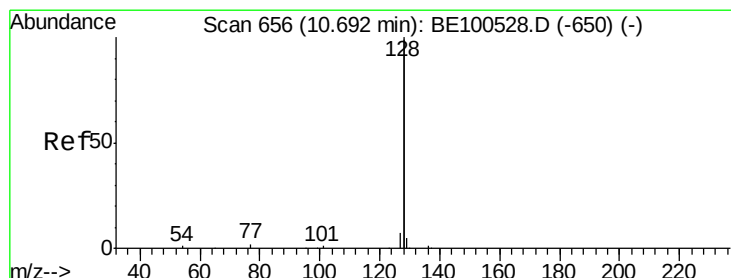
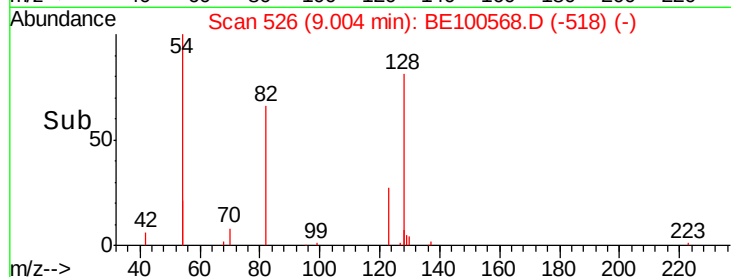
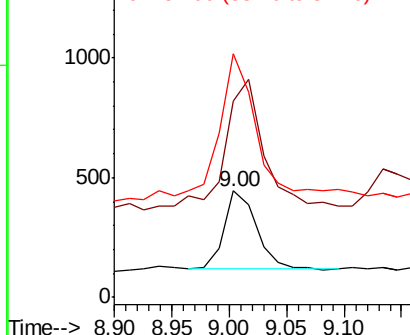
Tot Ion	Ratio	Lower	Upper
82	100		
128	184.7	129.4	194.2
54	228.8	143.3	214.9

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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: 0.193 ng

RT: 10.69 min Scan# 656

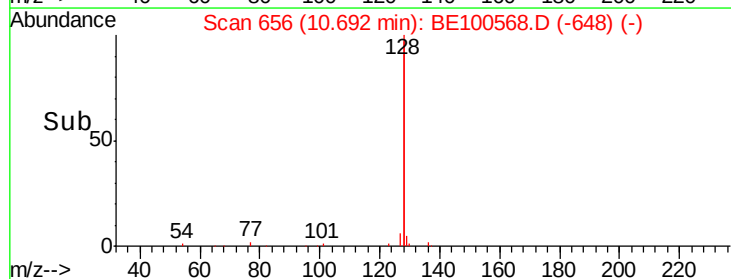
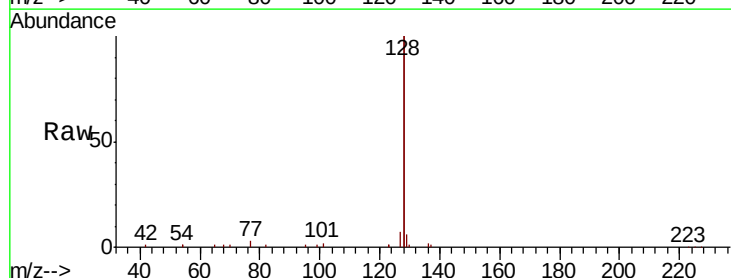
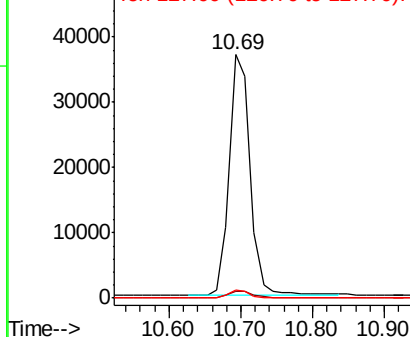
Delta R.T. 0.00 min

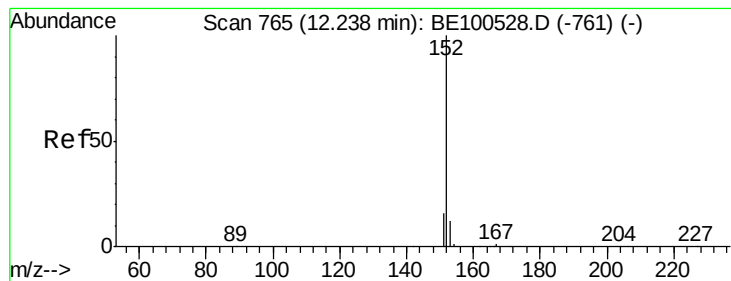
Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.4	2.7	4.1

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





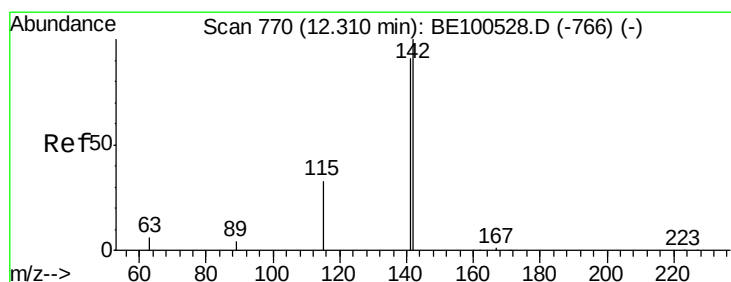
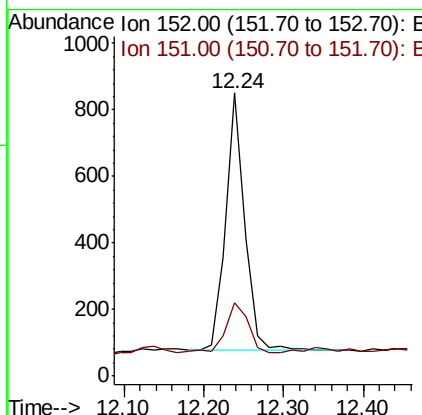
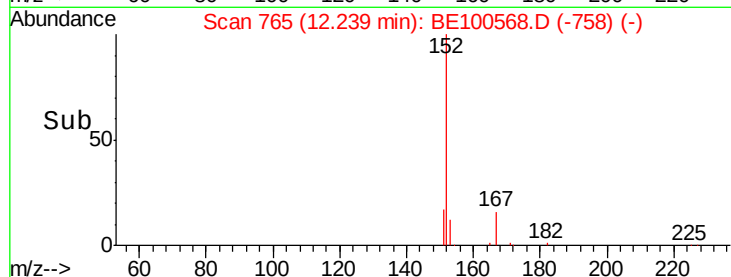
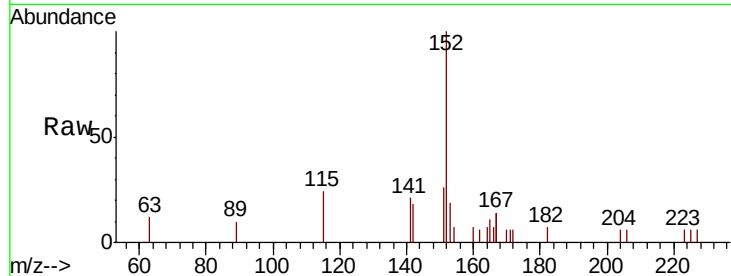
#11
 2-Methylnaphthalene-d10
 Concen: 0.023 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.8	15.3	22.9#

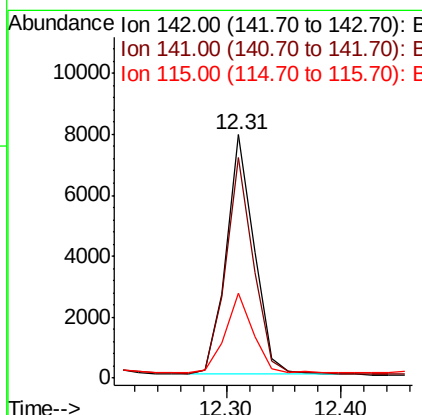
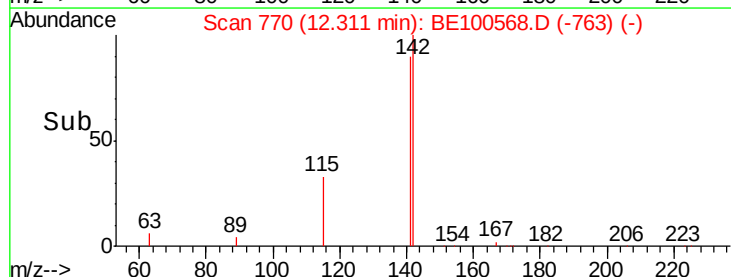
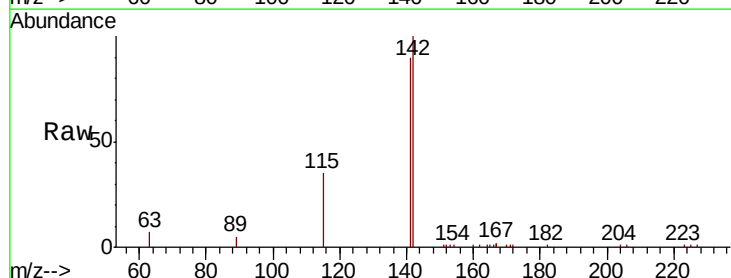
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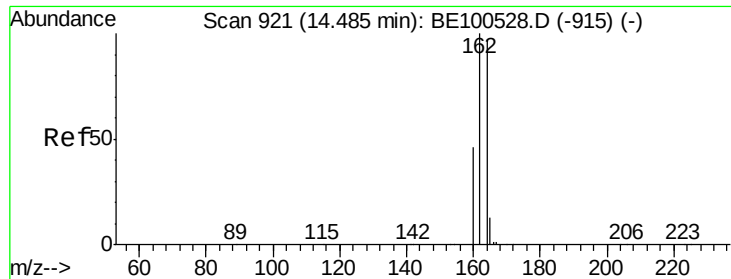
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#12
 2-Methylnaphthalene
 Concen: 0.219 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.5	108.7
115	34.9	27.2	40.8





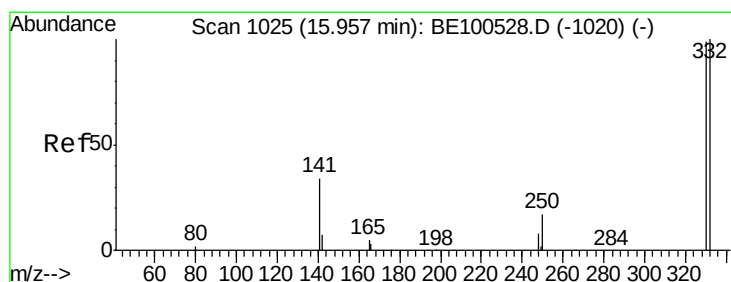
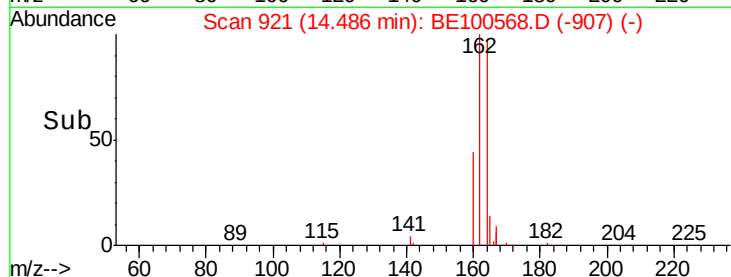
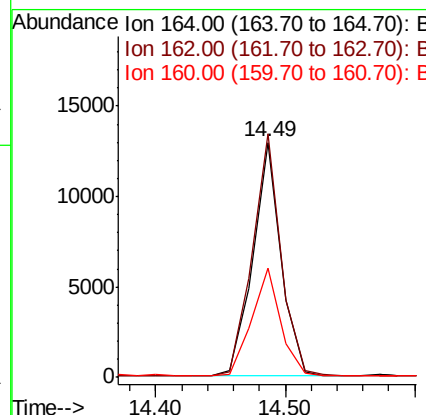
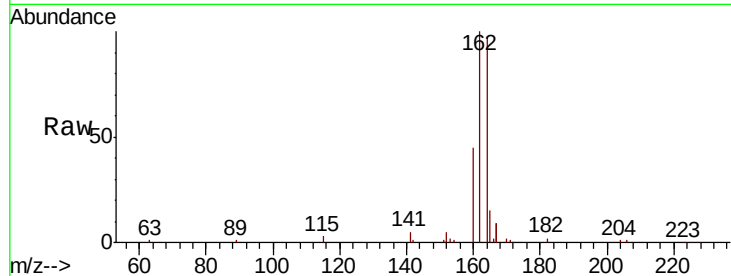
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.1	123.1
160	46.2	37.6	56.4

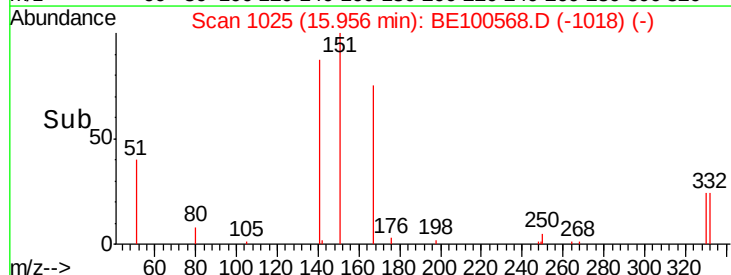
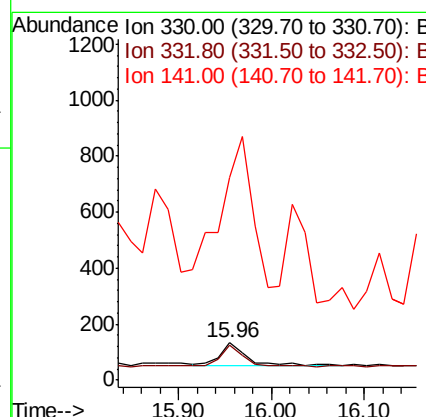
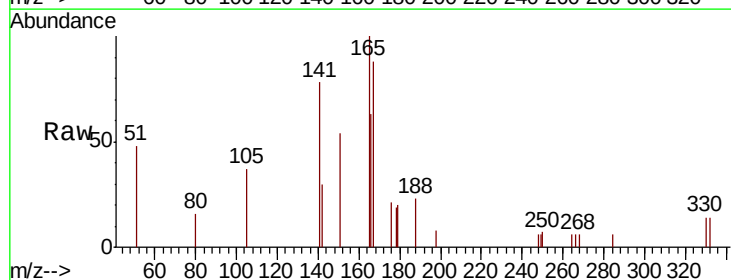
Manual Integrations
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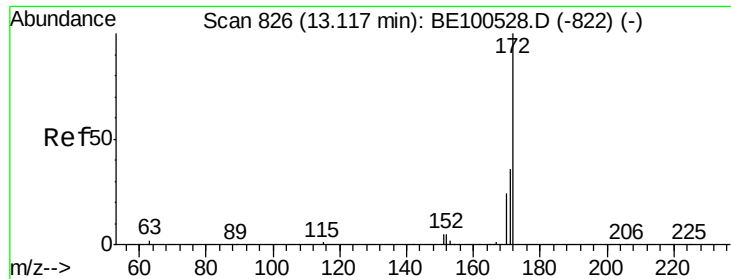
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#14
 2,4,6-Tribromophenol
 Concen: 0.050 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	81.1	75.5	113.3
141	783.0	42.3	63.5#





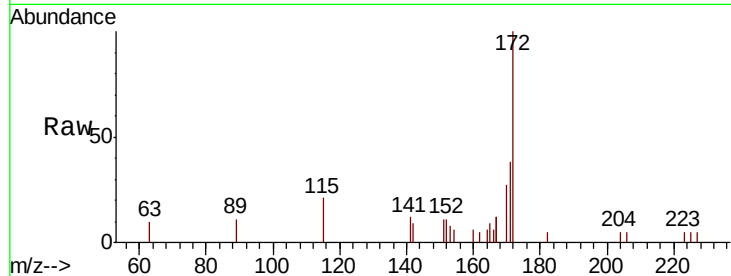
#15
2-Fluorobiphenyl
Concen: 0.023 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.8	43.2
170	26.7	19.4	29.0

Manual Integrations
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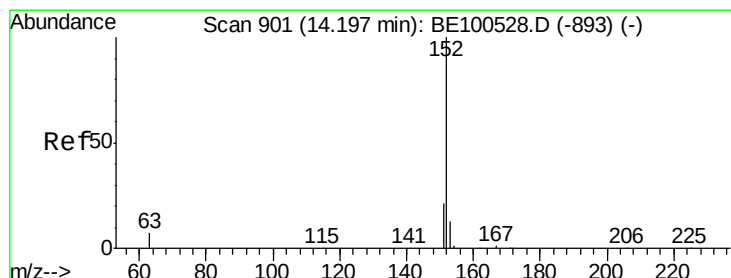
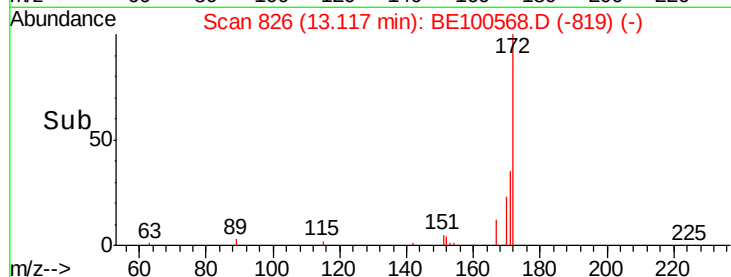
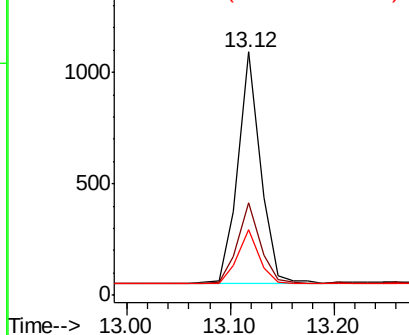


Abundance

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: 1.539 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.02 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

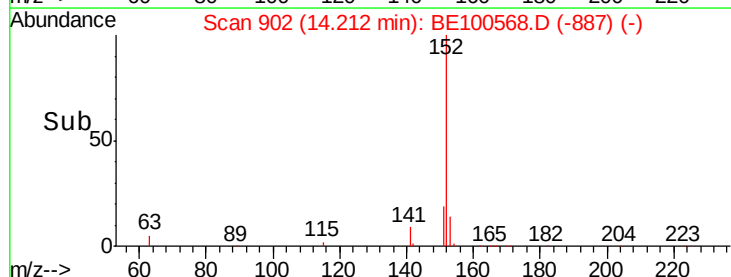
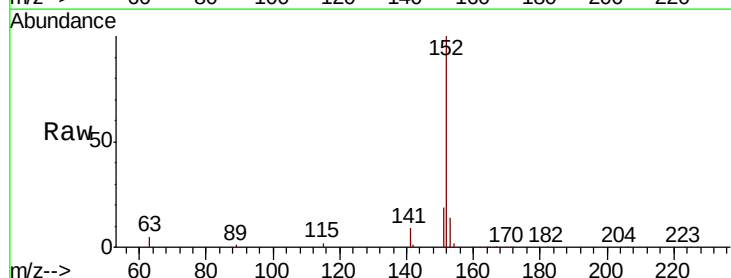
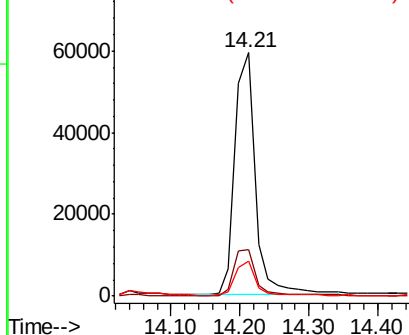
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.8	10.7	16.1

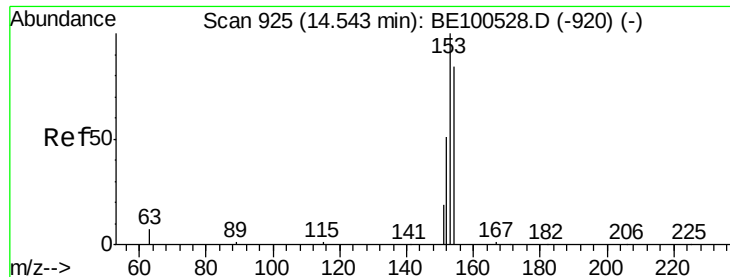
Abundance

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





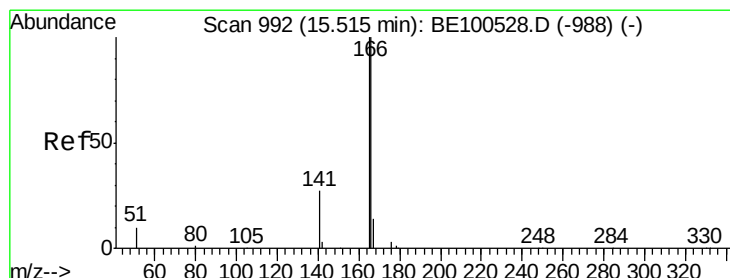
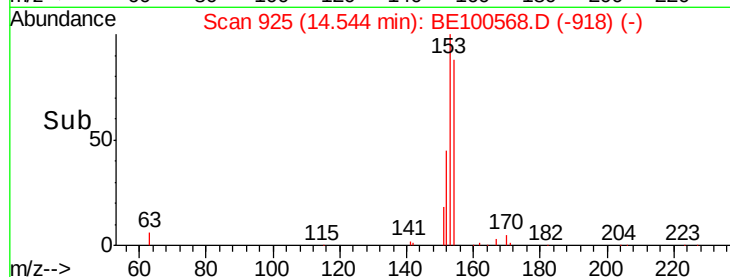
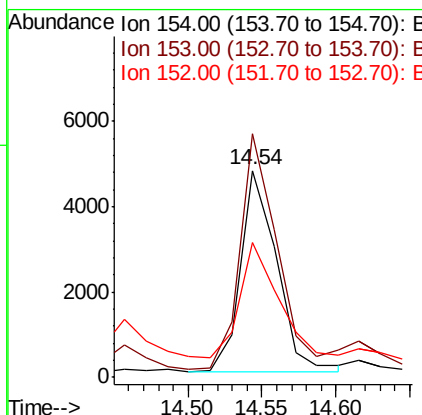
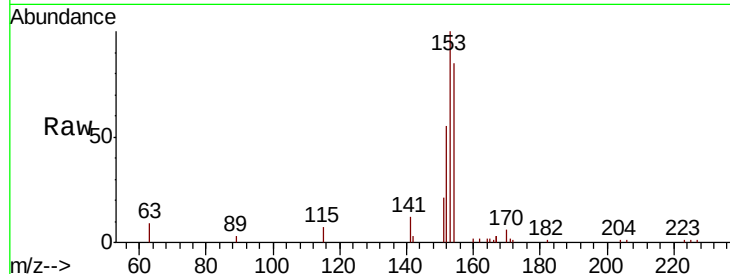
#17
Acenaphthene
Concen: 0.147 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.2	93.7	140.5
152	60.8	47.3	70.9

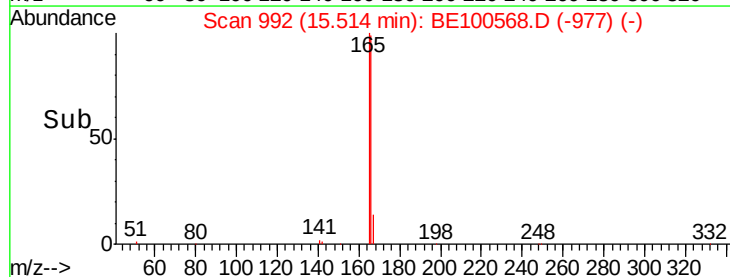
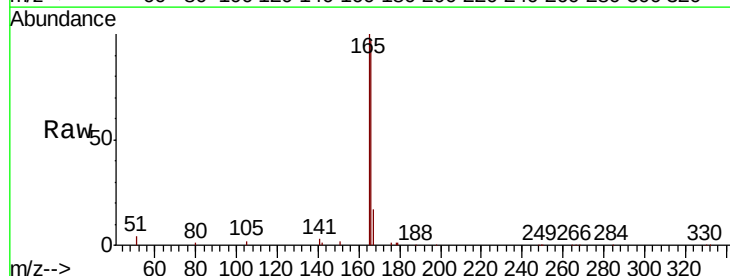
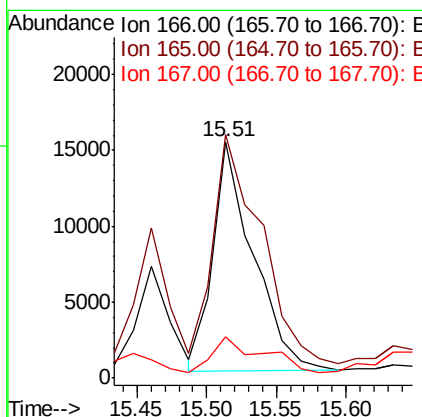
Manual Integrations
APPROVED

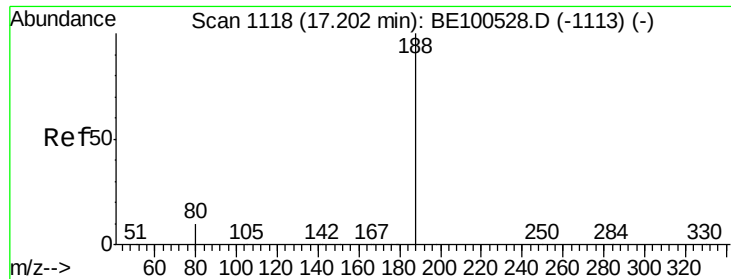
mohammad
9/27/2019 1:46:16 PM



#18
Fluorene
Concen: 0.446 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.2	80.1	120.1
167	18.7	10.9	16.3





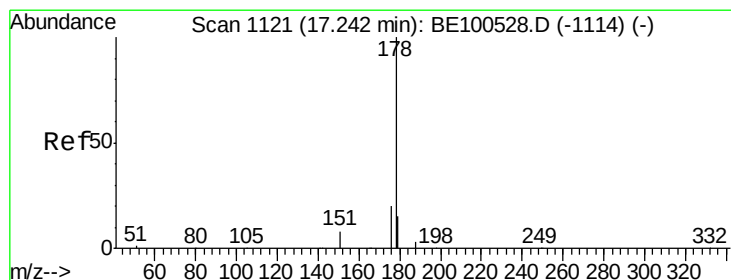
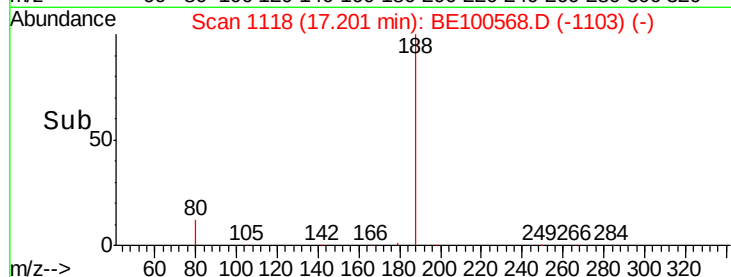
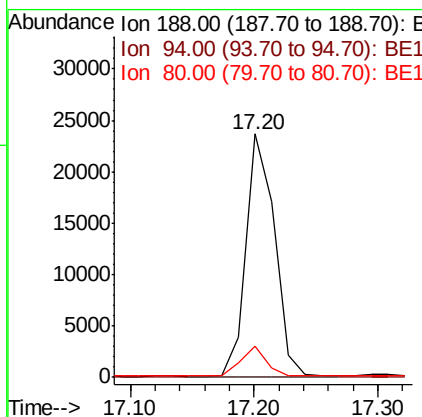
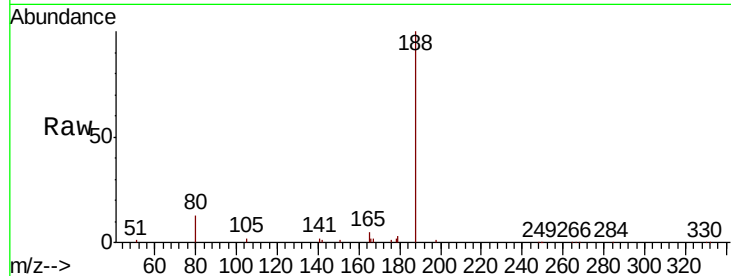
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	37643		
94	0.0	0.0	0.0	0.0
80	12.7	8.0	12.0	

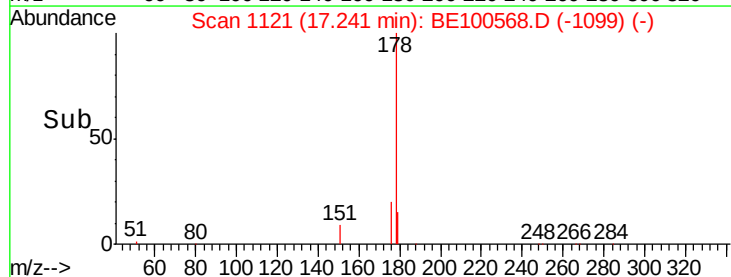
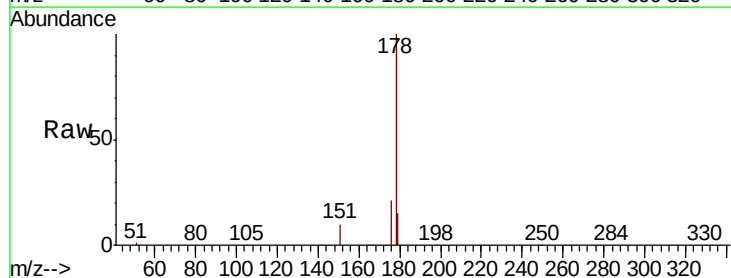
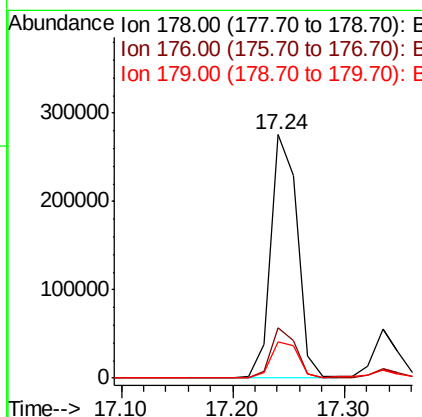
Manual Integrations
APPROVED

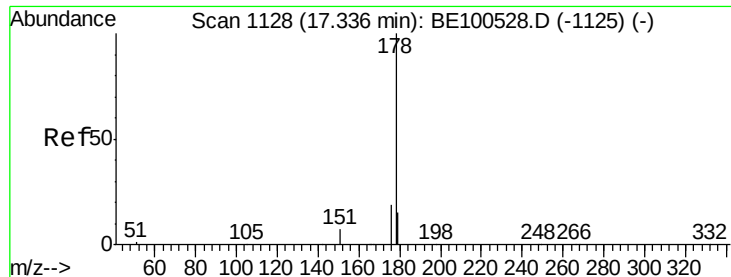
mohammad
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#23
Phenanthrene
Concen: 4.380 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	459442		
176	19.6	15.4	23.2	
179	15.8	12.6	18.8	





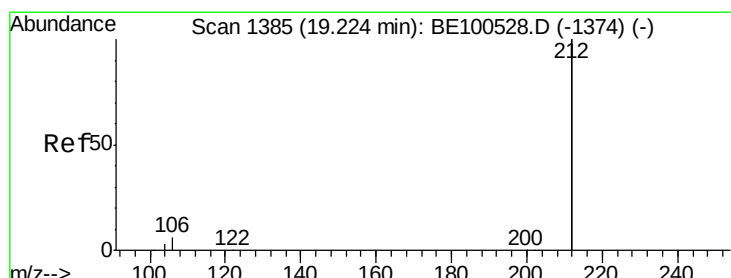
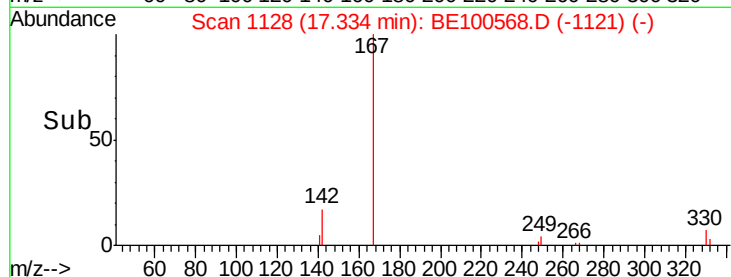
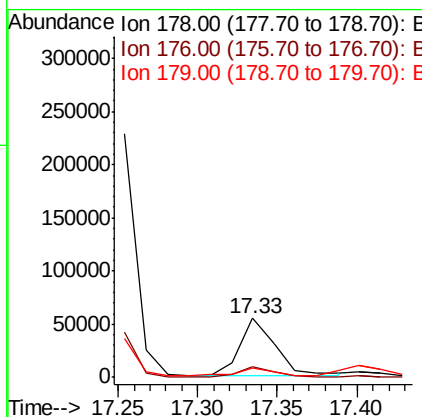
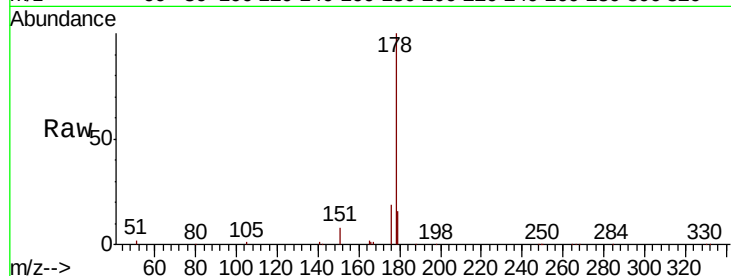
#24
 Anthracene
 Concen: 0.960 ng
 RT: 17.33 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	13.0	12.2	18.4

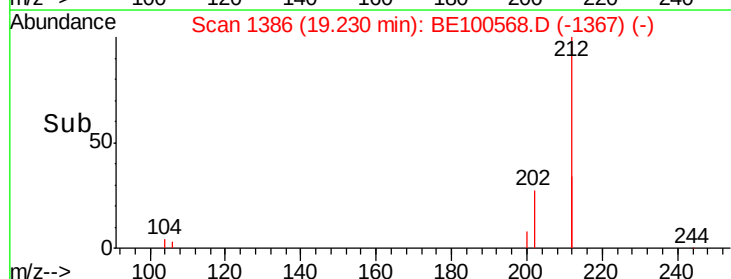
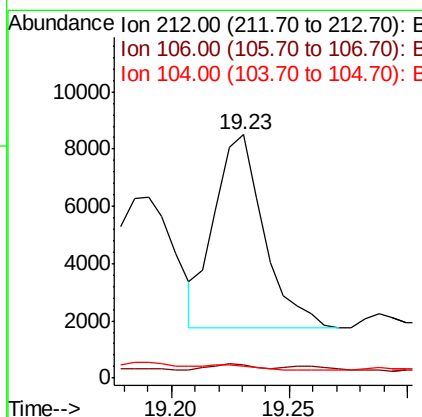
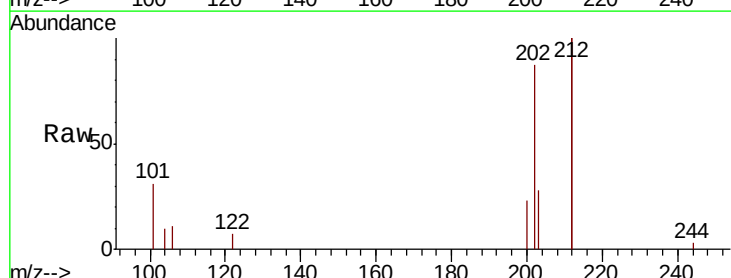
Manual Integrations
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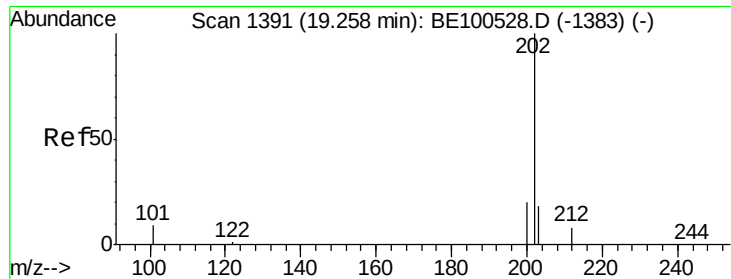
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.022 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE100568.D
 Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.3	3.5
104	3.2	1.3	1.9#





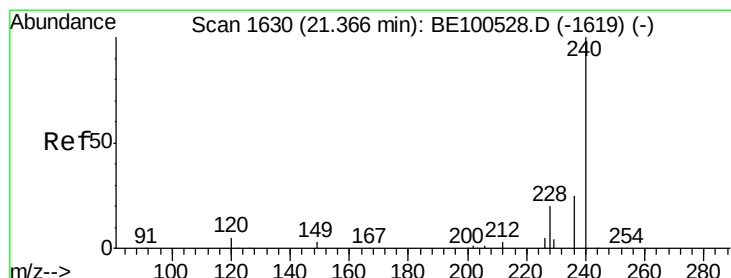
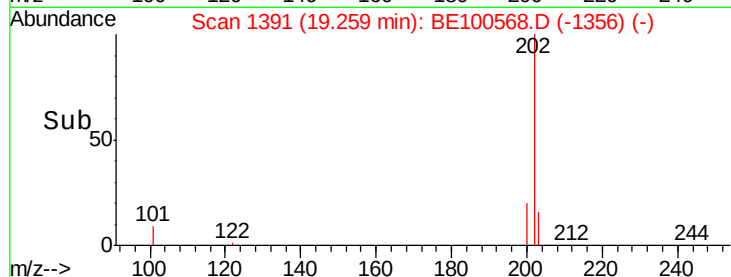
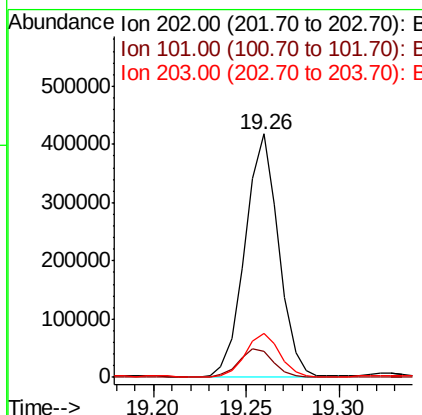
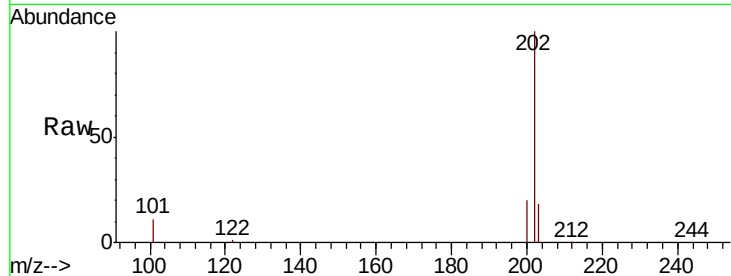
#26
Fluoranthene
Concen: 4.138 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	523392		
101	12.0		8.8	13.2
203	18.3		13.7	20.5

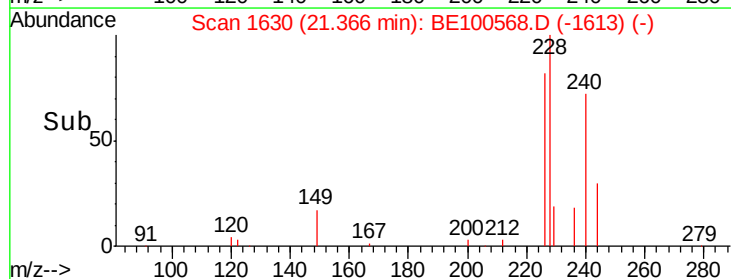
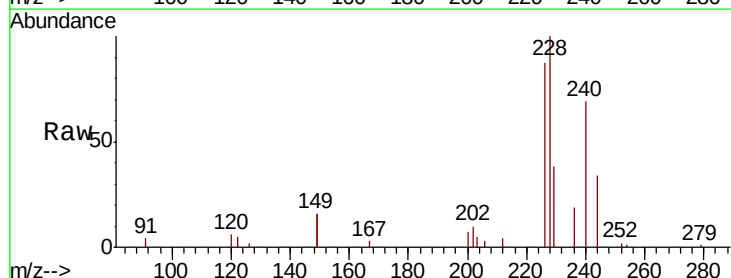
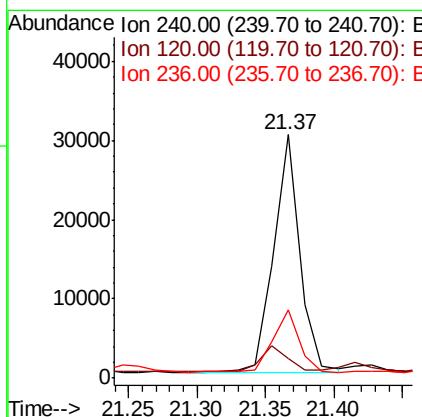
Manual Integrations
APPROVED

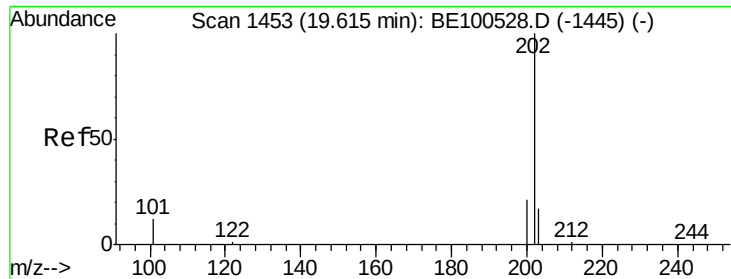
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	39737		
120	8.3		4.5	6.7#
236	27.9		20.6	30.8





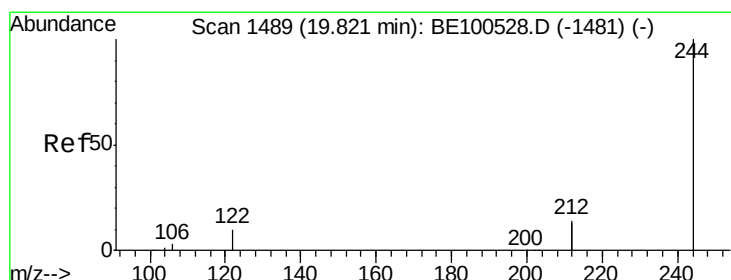
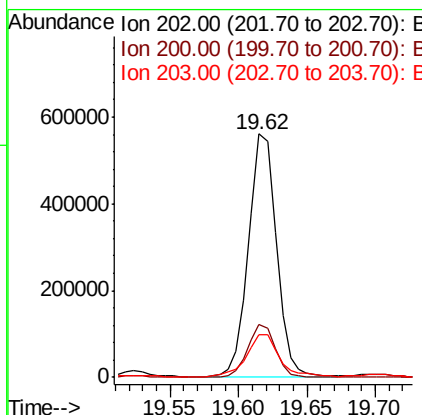
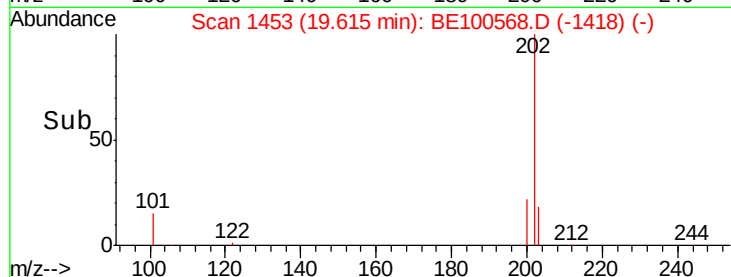
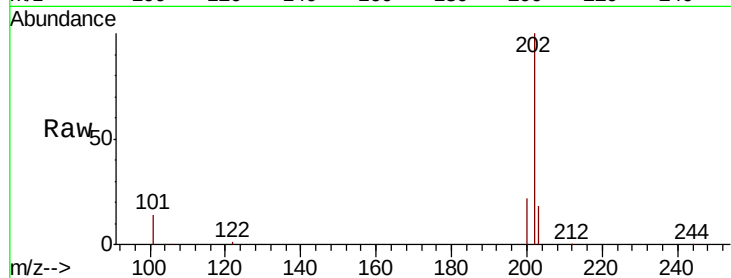
#28
Pvrene
Concen: 6.888 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	787574		
200	21.3		16.6	25.0
203	20.4		14.0	21.0

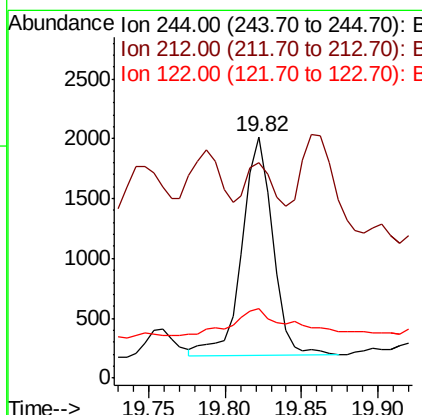
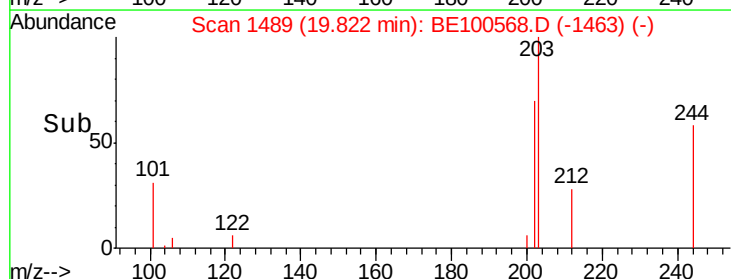
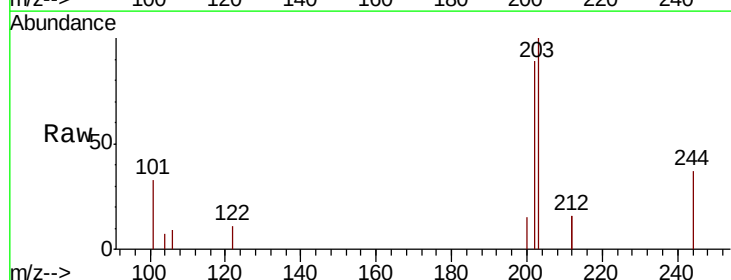
Manual Integrations
APPROVED

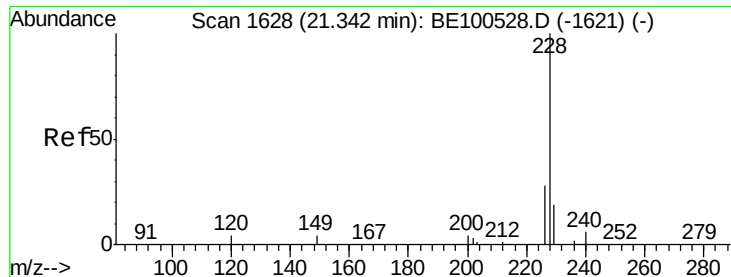
mohammad
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#29
Terphenyl-d14
Concen: 0.027 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	2544		
212	89.2		22.2	33.2#
122	28.7		8.3	12.5#





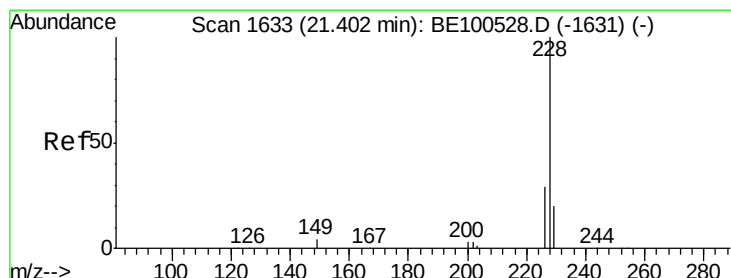
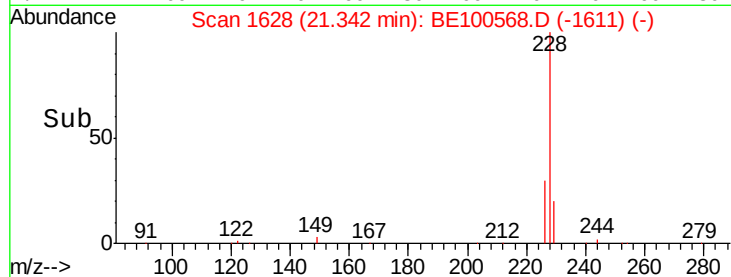
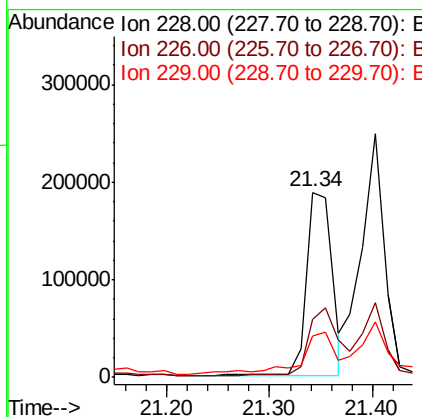
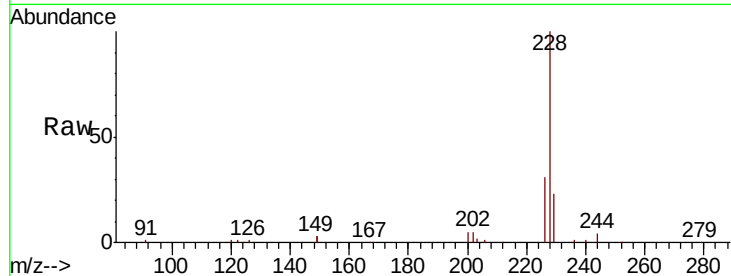
#30
Benzo(a)anthracene
Concen: 3.089 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.5	33.7
229	22.7	15.4	23.2

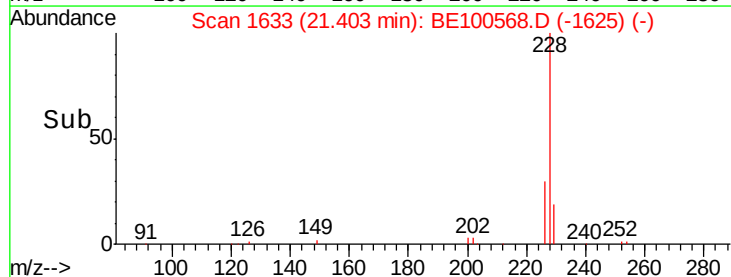
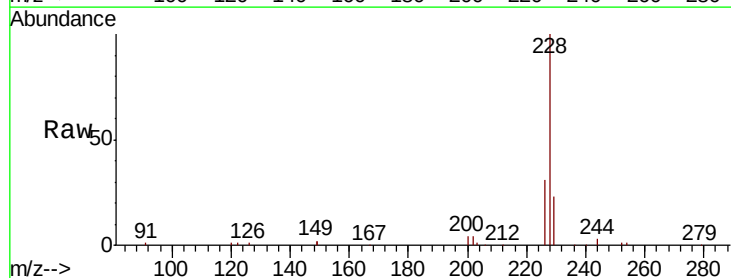
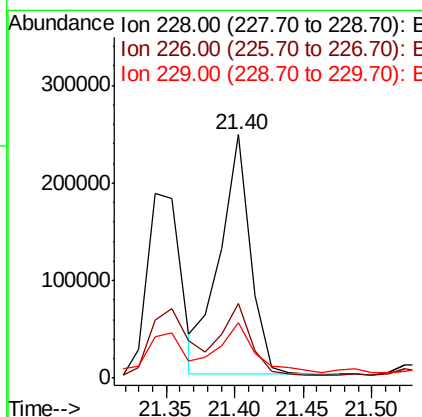
Manual Integrations
APPROVED

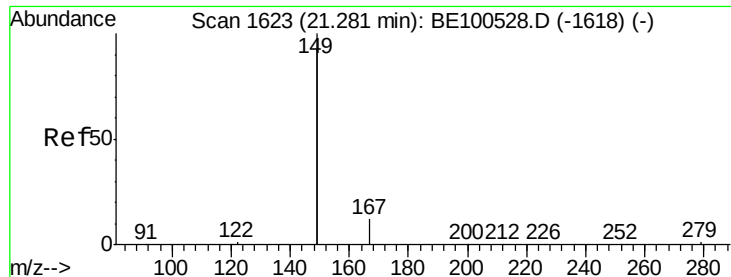
mohammad
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#31
Chrysene
Concen: 3.156 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.3	34.9
229	22.7	16.3	24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.198 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Instrument :

BNA_E

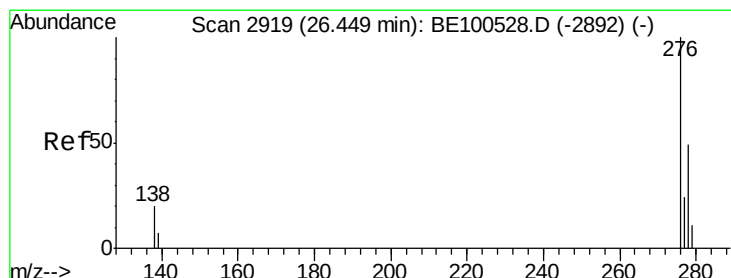
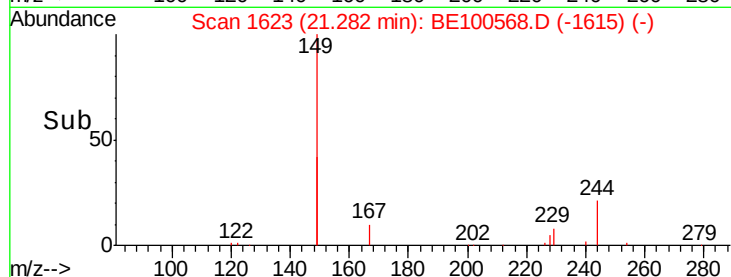
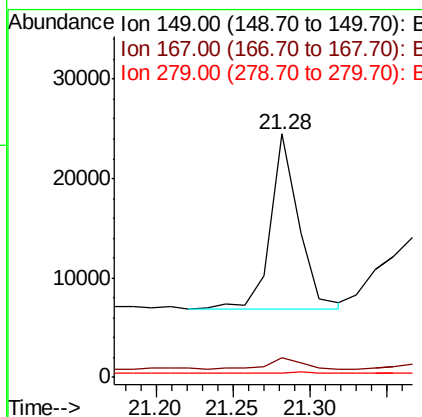
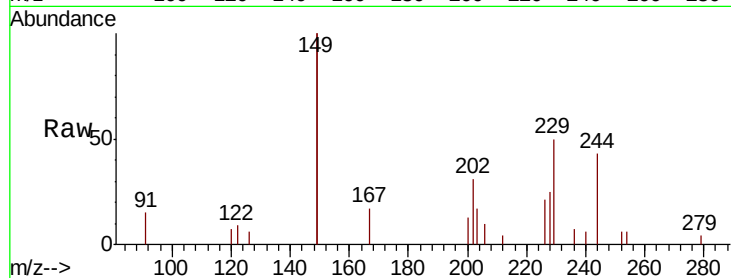
ClientSampleId :

EXT-SW168-091819-1DL

Tot Ion:	149	Resp:	22684
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.2	7.8
279	1.3	1.0	1.4

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.316 ng

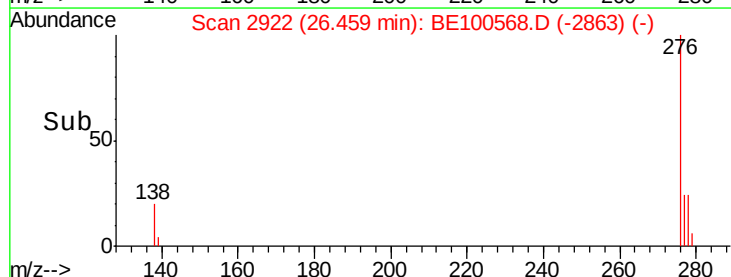
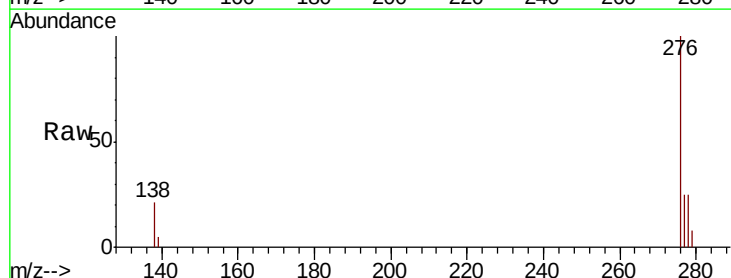
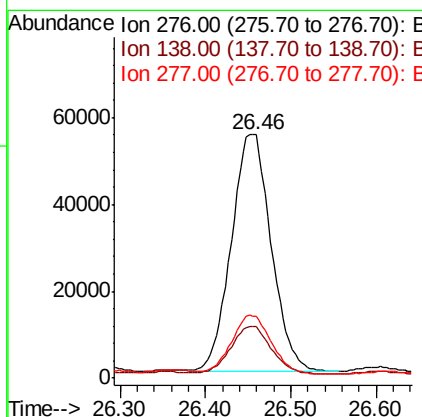
RT: 26.46 min Scan# 2922

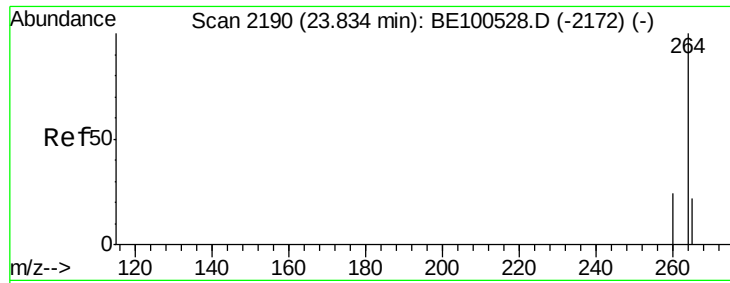
Delta R.T. 0.01 min

Lab File: BE100568.D

Acq: 26 Sep 2019 14:51

Tgt Ion:	276	Resp:	176904
Ion Ratio	Lower	Upper	
276	100		
138	20.6	17.7	26.5
277	25.3	19.9	29.9





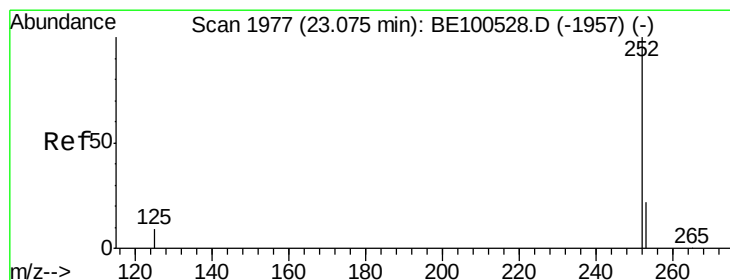
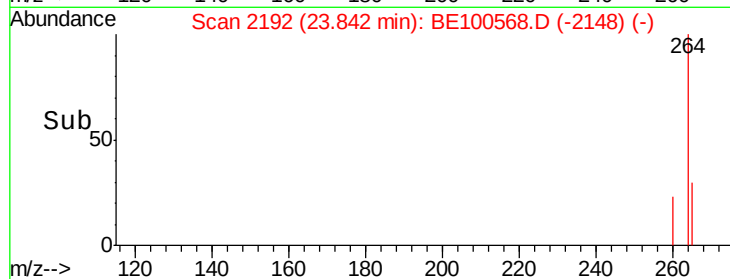
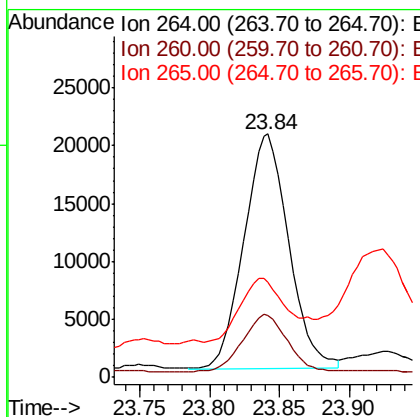
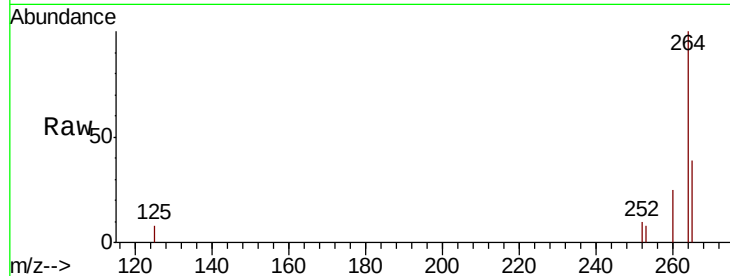
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.6	29.4
265	39.1	21.8	32.8

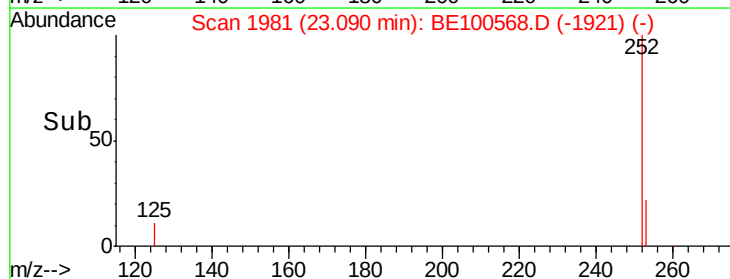
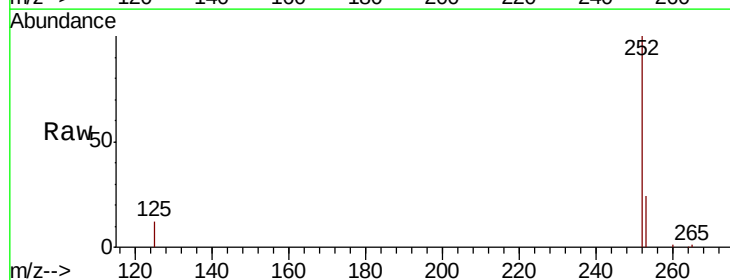
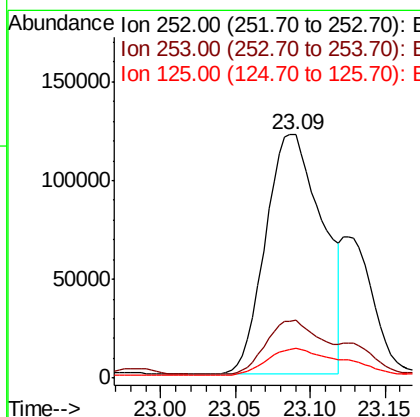
Manual Integrations
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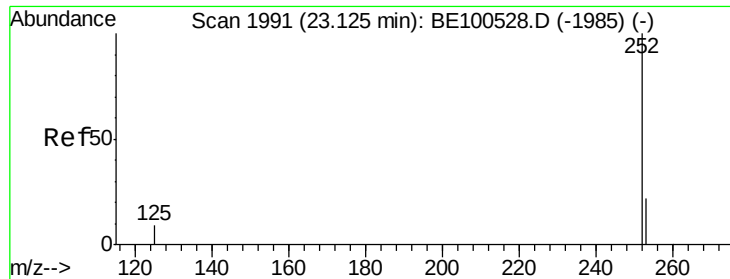
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#35
Benzo(b)fluoranthene
Concen: 2.626 ng
RT: 23.09 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	12.1	8.0	12.0





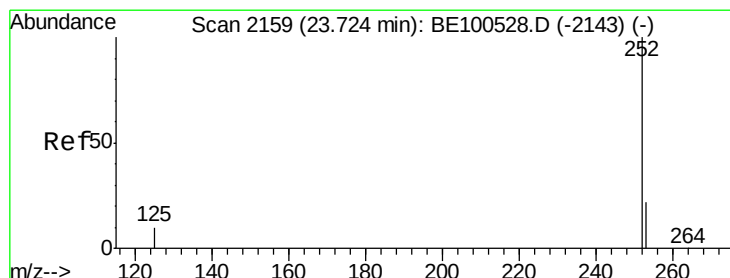
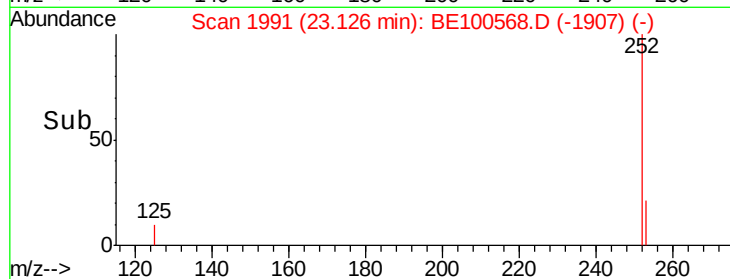
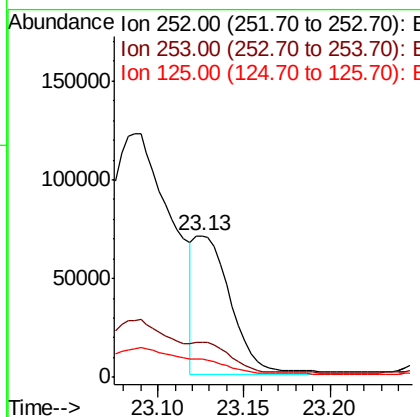
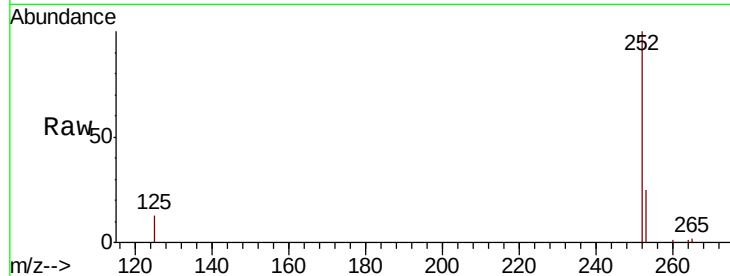
#36
Benzo(k)fluoranthene
Concen: 0.737 ng m
RT: 23.13 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	12.7	8.5	12.7

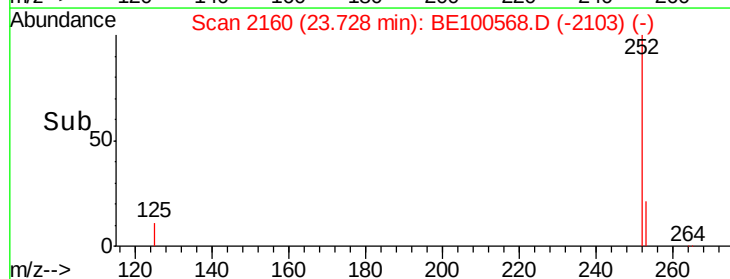
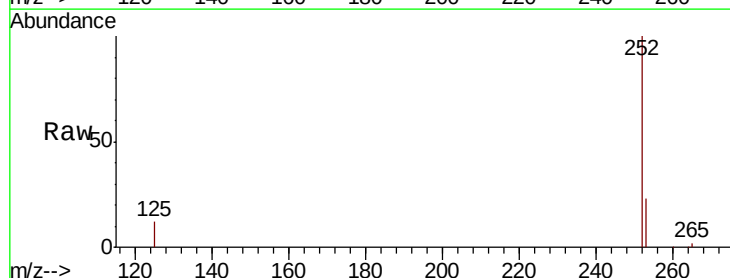
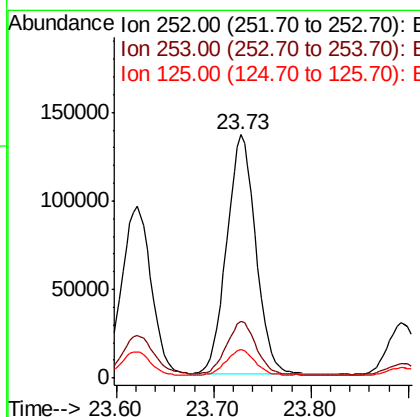
Manual Integrations
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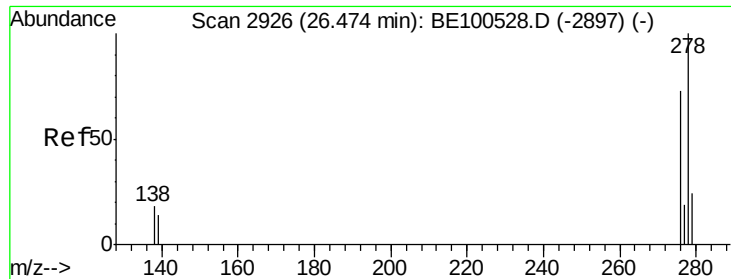
mohammad
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#37
Benzo(a)pyrene
Concen: 2.468 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.7	9.2	13.8





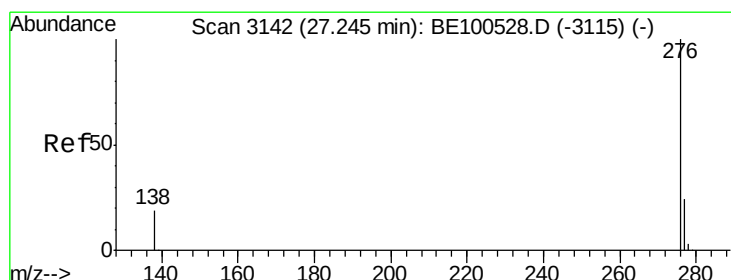
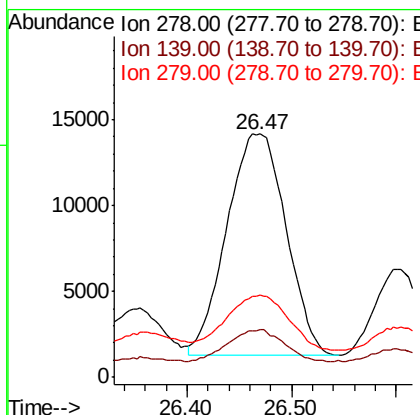
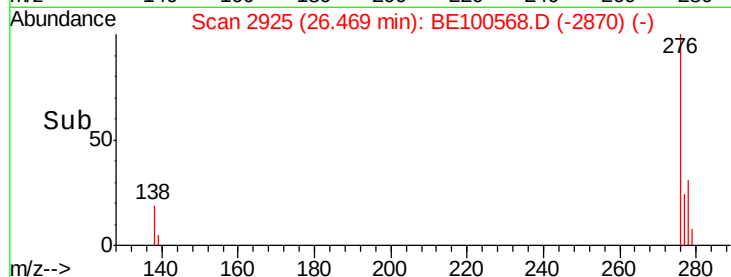
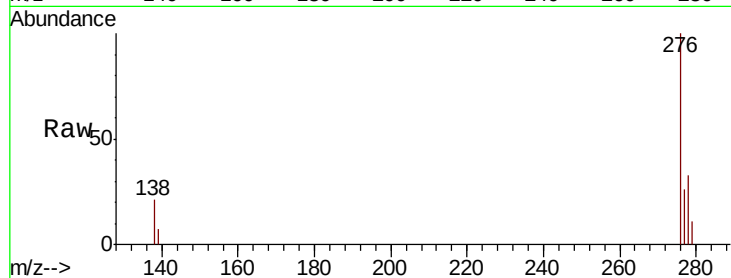
#38
Dibenzo(a,h)anthracene
Concen: 0.427 ng
RT: 26.47 min Scan# 2925
Delta R.T. -0.00 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Instrument :
BNA_E
ClientSampleId :
EXT-SW168-091819-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.6	17.4#
279	33.8	19.7	29.5#

Manual Integrations
APPROVED

mohammad
9/27/2019 1:46:16 PM



#39
Benzo(g,h,i)perylene
Concen: 1.682 ng
RT: 27.26 min Scan# 3146
Delta R.T. 0.01 min
Lab File: BE100568.D
Acq: 26 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	21.3	15.7	23.5

